

# River Street Reconstruction Project Transportation Design Report

McMahon Associates  
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# 1. Introduction

The City of Cambridge's River Street Reconstruction project will upgrade the sanitary sewer, stormwater and water subsurface infrastructure while developing a new surface design for River Street, the bus terminal area at River and Magazine Streets near Central Square, Carl Barron Plaza, Blackstone Street, and a portion of Green Street. The primary goal of the new surface design is to improve corridor and intersection safety for all travel modes while providing sufficient capacity for future travel demands and to better integrate transit accommodations and pedestrian and bicycle facilities. This project also aims to create a streetscape design that meets the needs of the various users and in a way that engages the local community, contributes to overall enhancement of the neighborhood, and meets the City's goals and planning initiatives related to infrastructure, transportation and mode share, urban design, climate and environment, open space and health, and resiliency.

This report provides a summary of existing and projected transportation conditions within the project limits identified below. In addition, it identifies issues and opportunities that will help inform corridor and intersection design alternatives, operational analysis of study area intersections, curbside zone evaluation, and transit optimization.

## 1.1 Project Limits

The study area of the project includes River Street between Memorial Drive and Massachusetts Avenue. Segments of each of the intersecting roadways, as well as longer segments of Blackstone Street as it extends to the north and Green Street as it extends to the south, are also included in the project limits. The proposed project also includes Tubman Square and the adjacent roadways of Kinnaird Street and Pleasant Street. Included in the project limits are the existing MBTA busway and Carl Barron Plaza at the Central Square end of the corridor. For the purposes of this analysis, River Street is documented on an east/west alignment, with the majority of adjacent cross streets running north/south. The project area limits are depicted in **Figure 1**.



Figure 1: Project Limits & Study Area



## 1.2 Study Area

In order to more closely evaluate existing conditions along the corridor, key intersections along River Street were identified for more detailed evaluation. The study area intersections include the following:

- River Street at Memorial Drive (signalized)
- River Street at Putnam Avenue (signalized)
- River Street at Howard Street/Kelly Road (signalized)
- River Street at Kinnaird Street (unsignalized)
- River Street at Pleasant Street/Cottage Street (unsignalized)
- River Street at Franklin Street (unsignalized)
- River Street/Western Avenue at Green Street (signalized)
- Magazine Street at Green Street (unsignalized)
- River Street/Prospect Street at Massachusetts Avenue (signalized)

The intersections listed above represent the locations that will be evaluated to understand the Existing and Baseline multimodal conditions serving as the basis for the future analysis of potential alternatives for the River Street Corridor.

## 2. Existing Conditions

An accurate assessment of the potential transportation impacts associated with the proposed River Street Reconstruction project requires a comprehensive understanding of the existing transportation conditions within the project study area. The existing conditions assessment included in this study consists of an inventory of physical roadway characteristics such as roadway geometries and bus stop locations as well as existing operational characteristics including vehicle queuing, delay for pedestrians and bus routes that operate on River Street, as well as bicycle level of comfort.



The following sections provide descriptions of the existing multimodal characteristics of the River Street corridor, including intersection and roadway geometries, an inventory of traffic control devices, the collection of peak period volumes, and a review of recent crash data.

## 2.1 Physical Roadway Characteristics

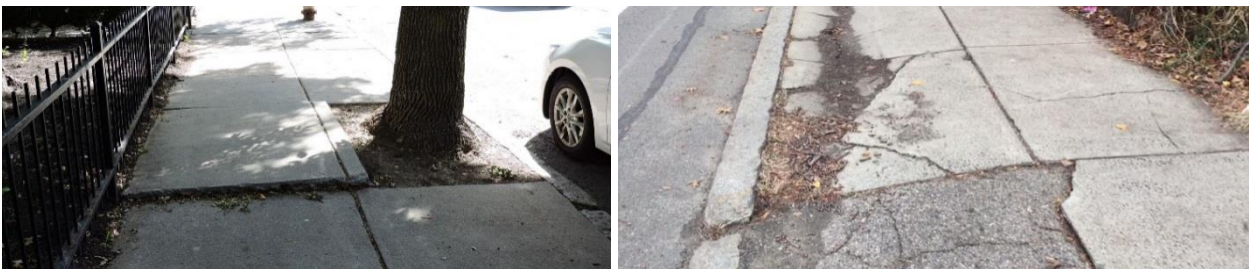
River Street generally travels in a southwest to northeast (designated as west to east for the purposes of this report) from Memorial Drive to Massachusetts Avenue within the City of Cambridge. The roadway is classified as an urban principal arterial under the City of Cambridge jurisdiction and is also a designated hazardous material corridor between I-90 eastbound west of the city and destinations north of the City of Boston. River Street is generally a one-way roadway with two lanes of vehicular travel and a bicycle lane. MBTA bus service operates along the entire corridor with service bus stops located on the south side of the street. Sidewalks along with street trees are provided on both sides of River Street for the majority of the corridor. The posted speed limit along River Street is 25 miles per hour between Memorial Drive and Franklin Street. East of Franklin Street the speed limit is reduced to 20 miles per hour in association of a designated safety zone leading into Central Square. On-street parking is provided along segments of the corridor on the north side of the street and is described in further detail in subsequent sections of this report.

### 2.1.1 Pedestrian Infrastructure

Generally, sidewalks are provided on both sides of River Street and vary in width from approximately seven feet to nine feet in width, inclusive of street tree plantings and other amenities. Street trees exist on both sides of the roadway adjacent to the curb. In the gaps between the street trees, there are other fixed objects, such as street furniture (garbage cans, benches, USPS boxes, etc.), light poles, and roadway signage. The space between the curbside objects is also used for weekly garbage/recycling pick-up. The northern sidewalk is protected from the vehicular travel lanes by a curbside zone that is used for parking for the majority of the corridor.

Crosswalks are provided across each of the intersecting roadways with River Street within the project limits. Signalized crossings across River Street are provided at Memorial Drive, Putnam Avenue, Howard Street/Kelly Road, Green Street and Massachusetts Avenue. Unsignalized marked crossings of River Street are provided at Blackstone Street, Fairmont Street, Rockwell Street, Kinnaird Street Auburn Street and Franklin Street. While ramps are provided at the crossings within the study area, many appear to be non-compliant with the American Disability Act standards and Architectural Access Board regulations. Sidewalks along River Street are also deteriorating with areas of broken up concrete and damage adjacent to existing street trees. Examples of the pedestrian infrastructure are depicted in Error! Reference source not found. below.

**Figure 2: Existing Pedestrian Infrastructure**



### 2.1.2 Bicycle Infrastructure

The southern side of River Street provides a narrow bicycle lane (approximately three to four feet in width) with no physical separation from the vehicular travel way. The bike lane extends from Putnam Avenue to Franklin Street. It is important to note that inlets (with bicycle safe grates) are located within the bicycle lane and that buses stop in this space as well. Ponding and snow storage are prevalent after storm events along the curb line resulting in cyclists having to encroach into the adjacent travel lane. Additionally, there is some post and ring bike parking available along the corridor. Examples of the existing bicycle infrastructure along River Street is depicted in Error! Reference source not found. **Figure 3.**

**Figure 3: Existing Bicycle Infrastructure**



With regards to connectivity, there are a few Bluebikes stations near River Street, the closest three being on Massachusetts Avenue at Inman Street, and again at Essex Street as well as on Magazine Street at Kelly Road. Regionally, there is a separated bike lane westbound on Western Avenue; there are bike lanes in each direction on Massachusetts Avenue; and there is a shared use path along Memorial Drive.

### 2.1.3 Vehicular Infrastructure

River Street provides two lanes of one-way (eastbound) vehicular travel through the entire study area from Memorial Drive to Massachusetts Avenue. At the intersection of River Street and Franklin Street an additional left-turn lane is provided. Signals within the study area are located at the intersections of River Street with Memorial Drive, Putnam Avenue, Howard Street/Kelly Road, Green Street and Massachusetts Avenue. The unsignalized intersecting roadways are under stop control

**Figure 4: Existing Vehicular Infrastructure**





with the free movement provided along River Street. Roadway pavement along the corridor is deteriorating in many locations as depicted in **Figure 4**. This deteriorated pavement condition contributes to increase roadway noise and vibration generated by all vehicles, especially larger freight vehicles.

On-street parking is the current curbside use along the north side of River Street with the exception of west of Blackstone Street, opposite the River Street Fire House and east of Franklin Street. A more detailed inventory of the existing curb use is provided later in Section 2.5 of this report.

#### 2.1.4 Transit Infrastructure – Bus Stops

MBTA Routes 64, 70, and 70A run directly on River Street, generally providing service between Central Square and Waltham (Route 70/70A) and Kendall Square and Brighton (64). Further information on bus routes on River Street and in the vicinity is provided in Section 2.2.4. There are four bus stops directly on River Street (depicted in **Figure 18** in Section 2.4.5). As River Street is one-way eastbound, stop pairs are located on Western Avenue, its one-way westbound counterpart. Each stop was reviewed for its location in relation to intersections, on-street parking and bicycle lanes, safety for passengers boarding/alighting the bus, the amenities provided, and overall pedestrian environment. The City and MBTA places importance on bus stop placement in relation to an intersection because it is critical to the safety of riders and influences the efficiency of bus operations. In the MBTA’s Bus Stop Planning and Design Guidelines, farside stops at an intersection are preferred, as they are generally safer for pedestrians, facilitate faster travel times, encourage bus alightings from the back of the bus and have the least impact on parking. <sup>1</sup> The guidelines also provide standards for ADA accessibility within the bus stop, which includes a 5-foot wide by 8-foot deep level landing area where the front doors of the bus stop open and a 10-foot wide by 4-foot deep clear zone where the back doors of the bus open. The evaluation of each stop is summarized below.

**Table 1** provides a summary of boardings and alightings at each stop.

- **River Street Opp Blackstone Street:**<sup>2</sup> This stop provides a shelter and clear sidewalk space, which is located on the backside of the sidewalk. . It is located midblock in between Memorial Drive and Blackstone Street. Pedestrian connections to nearby destinations such as Whole Foods and Hoyt Park could be improved.
- **River Street @ Fairmont Street:** This stop is located nearside of Fairmont Street. There is no shelter or amenities at the stop. There is an on-street bicycle lane adjacent to the stop. Although there is a sidewalk, the accessible route feels constrained due to the adjacent building face and mailbox. Additionally, the mailbox and light pole may limit accessibility of the landing area and clear zone at the stop.
- **River Street @ Kelly Road:** This stop is located nearside of Kelly Road. An on-street bicycle lane runs adjacent to the stop and no bus stop amenities are provided. There is a sidewalk, but a light pole and trash receptacle narrow the path of travel to the crosswalk. This stop also lacks a current standard front bus stop sign.
- **River Street @ Pleasant Street:** This stop is located nearside of Pleasant Street adjacent to Tubman Square. An on-street bicycle lane runs adjacent to the stop and a bench is provided. The crossing east of the stop across Pleasant Street lacks a curb ramp at the crosswalk. The stop is also in need of a current standard front bus stop sign.

<sup>1</sup> MBTA Bus Stop Planning and Design Guidelines, July 2016

<sup>2</sup> “Opp” designates a stop is located on the opposite side of the street as the referenced cross street.



**Table 1: Route and Ridership for MBTA Bus Stops on River Street and Stop Pairs on Western Avenue**

Stop Number	Stop Name	Routes Serving Stop	Weekday Boardings & Alightings		
			Total Boardings	Total Alightings	Total Ridership
1055	River St Opp Blackstone St*	64, 70, 70A	126	74	200
1056	River St @ Fairmont St	70, 70A	15	11	26
1057	River St @ Kelly Rd	70, 70A	6	16	22
1058	River St @ Pleasant St	70, 70A	3	18	21
1064	Western Ave @ Putnam Ave	64, 70, 70A	91	101	192
1062	Western Ave @ Howard St	64, 70, 70A	30	24	54
1061	Western Ave @ Kinnaird St	64, 70, 70A	29	3	32

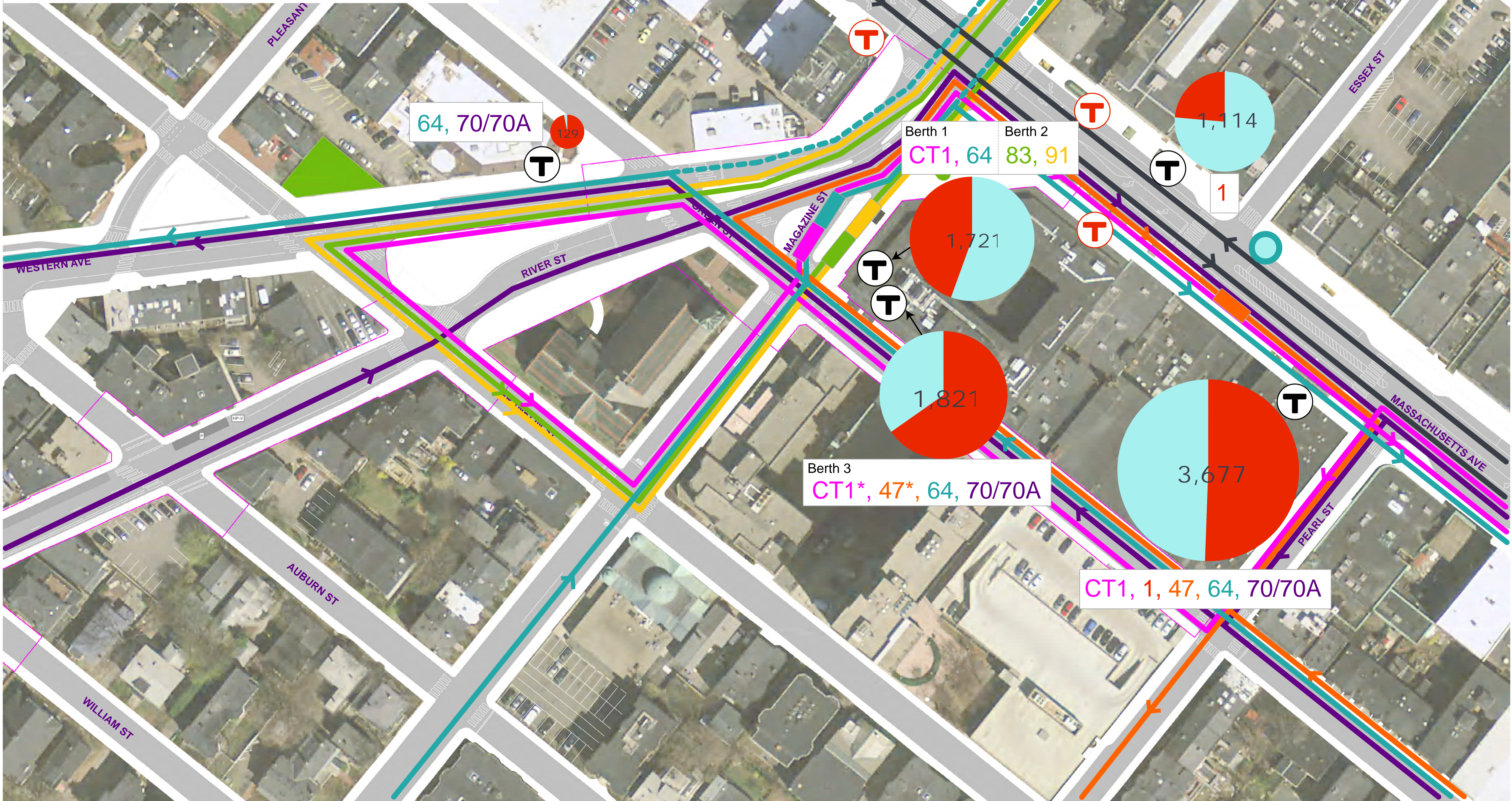
Six additional bus stops are located in Central Square. Their location is important for evaluating the overall bus circulation and layover space in relation to the River Street corridor. As seen in **Figure 5**, Magazine Street @ Green Street provides two bus berths, with layovers for Routes 83, 91, and CT1, and 64 during off-peak times. Green Street @ Magazine Street provides a third berth and services Routes CT1, 47, 64, and 70/70A. Pedestrian waiting space and wayfinding between inbound and outbound routes have been identified as key issues at these stops. There is frequent overcrowding on Magazine Street during bus boarding, along with the sidewalk between the busway and the Holmes building, causing some pedestrians to walk in the busway at peak hours.



Figure 5: Central Square Bus Route Map

**Legend**

- █ CT 1
  - █ 1
  - █ 47
  - █ 64 (peak/off-peak)
  - - - 64 (peak only)
  - █ 70/70A
  - █ 83
  - █ 91
  - █ Existing layover
  - Routes serving stop
- T Bus Stop
  - T Red Line Station Headhouse
  - Blue Bikes Station
  - \* Drop-off Only

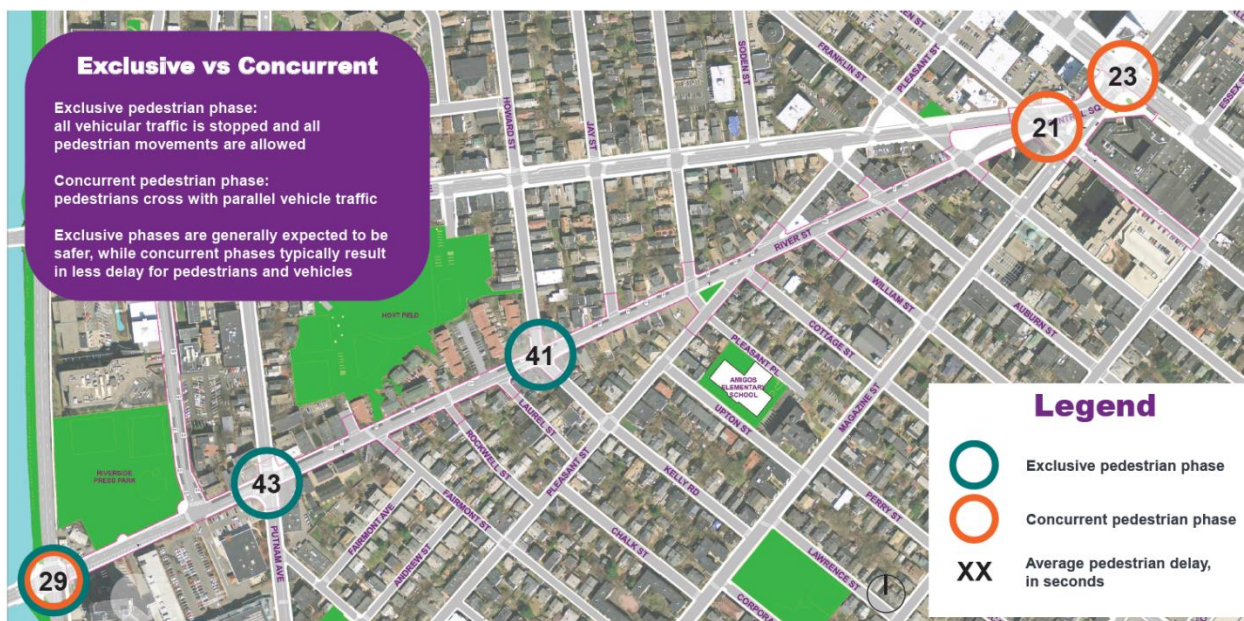


## 2.1 Roadway Operations

### 2.2.1 Pedestrian Operations

Signalized crossings within the project limits are provided at the intersections of River Street with Memorial Drive, Putnam Avenue, Howard Street, Green Street and Massachusetts Avenue. The intersection of Memorial Drive at River Street displays concurrent crossing signals unless the pedestrian signal is push button activated at which point it allows for an exclusive pedestrian phase across all four legs of the intersection. Both the intersections of Putnam Avenue and Howard Street/Kelly Road on River Street have exclusive pedestrian phasing. The intersections of Green Street and Massachusetts Avenue at River Street have concurrent pedestrian phasing with leading pedestrian intervals. **Figure 6** below depicts the locations of the signalized crossings, the type of pedestrian phasing provided and the average pedestrian delay (in seconds) at each location.

**Figure 6: Signalized Pedestrian Crossings**



While exclusive pedestrian phases stop all vehicular traffic and are generally expected to be safer for pedestrians, as described above, they often translate into greater pedestrian delay and can result in pedestrians becoming impatient and crossing against the signal. Since concurrent pedestrian phases permit pedestrians to cross with parallel vehicle traffic, there is generally less delay for both pedestrians and vehicles.

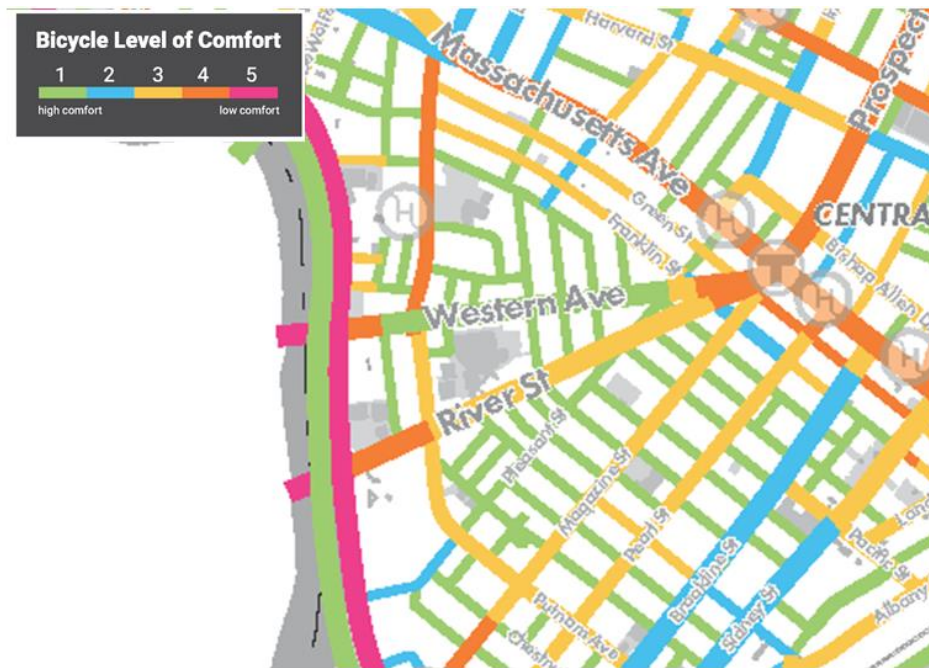
### 2.2.1 Bicycle Operations

The Cambridge Bicycle Level of Comfort analysis is based on the Dutch concept of increased separation from traffic as volume and speed increase and the provision of safe crossings of major roadways. Bicycle Level of Comfort ranges from a scale of 1 being high comfort to 5 being low comfort. As illustrated below in **Figure 7** the 2015 Cambridge Bicycle Plan documents Bicycle Level of Comfort along River Street as level 4 from Memorial drive to Putnam Avenue where it becomes level 3 through Franklin Street at which point it switches back to level 4 through to



Massachusetts Avenue. Improved eastbound bicycle infrastructure along River Street could work to promote connectivity between the neighborhood of Lower Allston, Central Square, the neighborhoods of Riverside and Cambridgeport, and beyond.

**Figure 7: Bicycle Level of Comfort**



Running across River Street, Putnam Avenue is a level 3, Franklin Street is a level 2 at River Street and 3 north of Pleasant Street, and Green Street is a level 4 south of River Street and level 3 north of River Street. The cross street of Memorial Drive is level 1 on the west side, as it provides a two-way shared use path. Massachusetts Avenue is a 4 at the intersection with Western Avenue/River Street. The remaining side streets abutting River Street are level 1 due to existing lower volumes and speeds found along these primary residential side streets.

### 2.2.3 Vehicular Operations

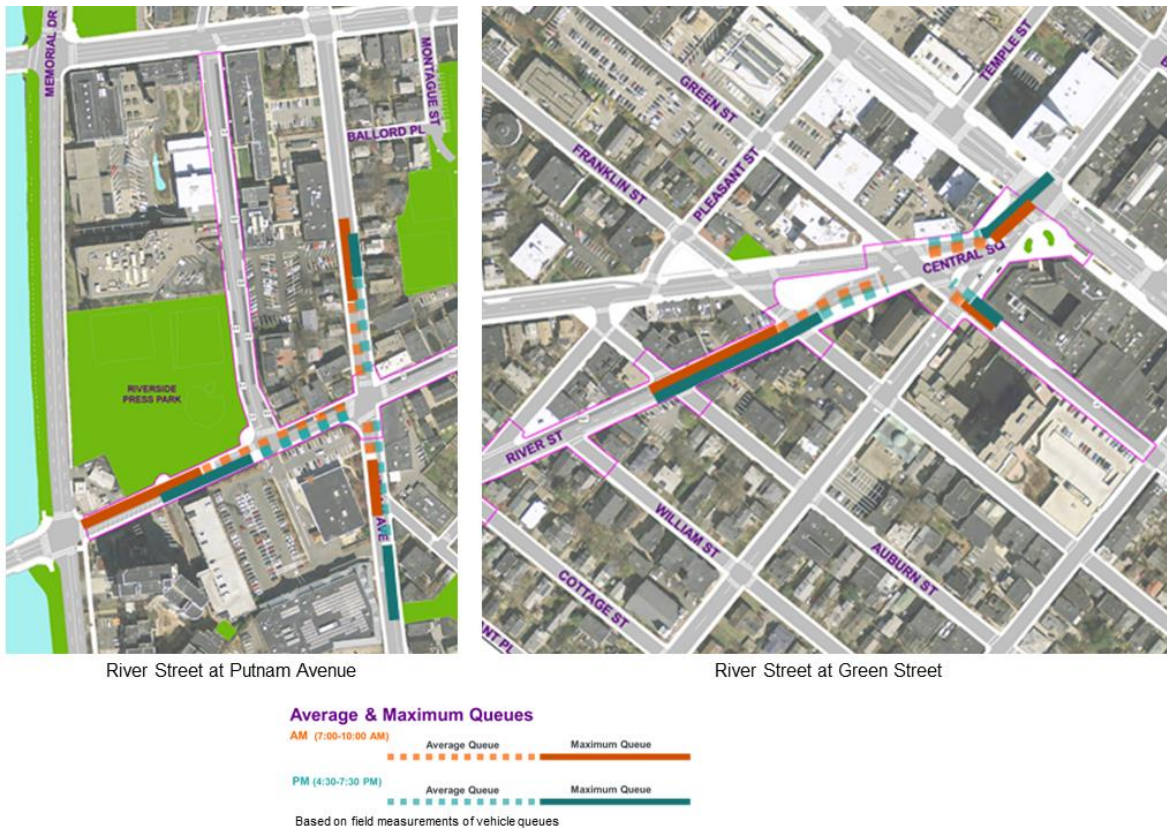
Data regarding existing vehicular operations were collected along River Street including corridor travel times and intersection queues. Operational data were collected during the weekday morning peak period (7:00 AM to 10:00 AM) and weekday afternoon peak period (4:30 PM to 7:30 PM) on Tuesday, December 4, 2018. Vehicle travel time and queuing information collected in the field during this same time period were used to calibrate and refine the existing conditions capacity analysis to be completed as part of this project.

Travel time measurements along the corridor were taken in a passenger vehicle on River Street from Memorial Drive to Massachusetts Avenue. Travel times during the weekday morning peak period varied from approximately three and a half minutes at the beginning of the period to just over six minutes towards the end of the peak period. During the weekday afternoon peak period, the average travel time was approximately five and half minutes, with the longest travel time in excess of eight and half minutes. The longest delays experienced along the corridor were in the proximity of Green Street due to queues extending back from Massachusetts Avenue, pedestrian activity and passenger vehicle pick-up and drop-off.



Queue observations were completed at two key intersections along the corridor including the intersections of River Street with Putnam Avenue and with Green Street. A graphical depiction of the average and maximum queue lengths over each of the observed peak periods is provided in Error! Reference source not found. **Figure 8.**

**Figure 8: Observed Vehicle Queues**



Vehicles traveling on River Street towards Putnam Avenue were shown to queue past Blackstone Street with maximum queues extending to Memorial Drive during the weekday morning peak hour. Vehicle queues on River Street approaching Putnam Avenue were shown to be shorter during the weekday afternoon peak period, with average queues extending just to Blackstone Street. Maximum vehicle queues on River Street extending from Green Street were shown to extend past Auburn Street during both the weekday morning and weekday afternoon peak hours.

### 2.2.4 Transit Operations – Routes and Service

Because of the eastbound one-way configuration, bus stops are only located on the south side of River Street, and reciprocal bus stop pairs for service in the westbound direction are located on Western Avenue. Assuming that River Street will remain a one-way eastbound street, when reviewing and optimizing stop locations on River Street, stop pairs located on Western Avenue will need to be considered. Wayfinding at bus stops could be considered to help orient transit riders and guide them between bus stop pairs on River Street and Western Avenue, particularly where the side street block segments between River Street and Western Avenue are long. Putnam Avenue is about 800 feet, whereas at Pleasant Street/Kinnaird Street is only about 320 feet. Considering bus stop curb extensions or



floating bus islands in connection with a separated bike lane which mirror stops on Western Avenue, would provide better opportunities for amenity integration.

Buses traveling on River Street feed into Central Square, providing connections to the MBTA Redline and other MBTA bus routes. Central Square is an important bus-rail connection in the MBTA network, with 5,145 Redline riders at Central Square transferring from an MBTA bus at this station daily. For the Redline as a whole 44.9% of trips involve a transfer from an MBTA bus at the start or end of a trip.<sup>3</sup> Transfers between bus routes as well as between buses and rail are currently limited by the layout of bus stops and lack of wayfinding signage in the Central Square busway and Carl Barron Plaza. As seen in **Figure 9**, traffic and pedestrian activity, along with three bus layovers in the Central Square area also leads to congestion and confusion, with a lack of clear paths for each mode. Particular wayfinding issues have been noted at the stops at Magazine and Green Streets, where riders feel it is unclear which stops serve inbound and outbound routes. There are also circulation challenges for bus operators in this area due to traffic congestion and the narrowness of the busway. Bus operators have also noted issues with inspector supervision, layover activity, and bathroom access.

**Figure 9: Existing Traffic and Circulation in Central Square**



There are several transit routes in and surrounding River Street, as shown previously in Figure 6. MBTA Routes 64, 70, and 70A run directly on River Street, with Route 64 turning off River Street at Putnam Street.

- Routes 70, 70A run over the River Street Bridge onto River Street up to Central Square in the inbound direction. Route 70 provides service between Central Square, Cambridge and Cedarwood, Market Place Drive, or Central Square, Waltham, while Route 70A provides service between Central Square, Cambridge and North Waltham.

<sup>3</sup> MBTA 2015-17 Systemwide Passenger Survey



As part of the MBTA's Better Bus Project, Route 70A will be modified to only operate between North Waltham and Waltham Center, with new routing and Sunday service.<sup>4</sup>

- Route 64 runs over the River Street Bridge onto River Street, then turns right onto Putnam Avenue to continue to Central Square via Magazine Street in the inbound direction. This route provides service between Oak Square in Brighton and University Park or Kendall/MIT, Cambridge.
- All three routes run on Western Avenue in the outbound direction.

Five additional MBTA bus routes travel through Central Square: Routes 1, 47, 83, 91, and the CT1.

- Route 1 runs north and south on Massachusetts Avenue through Central Square. This route provides service between Harvard Square, Cambridge and Dudley Station, Boston.
- Route 47 loops through Central Square via Brookline Street, Green Street, River Street, Massachusetts Avenue, and Pearl Street. This route provides service between Central Square, Cambridge and Broadway Station, Boston.
- Routes 83 and 91 loop through Central Square via Prospect Street, Western Avenue, Franklin Street, and Magazine Street. Route 83 provides service between Rindge Avenue, Cambridge and Central Square, Cambridge. Route 91 provides service between Sullivan Square Station, Boston and Central Square, Cambridge.

Frequency for each of these routes is shown in **Table 2**.

**Table 2: Bus Route Frequencies per Hour**

Route	AM Peak	AM Off-Peak	PM Off-Peak	PM Peak	Night	Saturday Peak	Sunday Peak
64	3-4	1	1	2	1	1	*0-1
70 & 70A	6	3	3	5	2	*0-2	*2
1	6	4	4	6	4	6	4
47	6	3	2	2-4	1	2	1
83	2	2-3	2	2	1	2	1
91	2	3	2	2	1	2	1
CT1	3	2	1	2	N/A	N/A	N/A

\* >60 min headways

Based on previous transit delay studies conducted for the area using 2017 data, it is evident that bus delay occurs on both ends of the River Street corridor, for buses travelling across the River Street Bridge, and buses operating on Prospect Street approaching Central Square.<sup>5</sup> Bus delay is measured based on Automatic Passenger Count (APC) data that records the time a bus arrives at a stop and the doors open, the time the doors close, and the time when the bus has pulled 100-feet from the stop. The time between the doors closing at one stop to opening at the next is used to determine bus running time between stops. Bus running times at off peak and peak traffic times can then be compared to obtain a measure of additional delay caused by heavy traffic. The time between when doors open and close provides the dwell time at each stop. Dwell times may be reduced in the future as the MBTA improves the

<sup>4</sup> <https://cdn.mbta.com/sites/default/files/projects/betterbus/documents/2019-05-betterbus-near-term-changes-report-accessible.pdf>

<sup>5</sup> Cambridge Service Analysis, IBI Group, July 2018

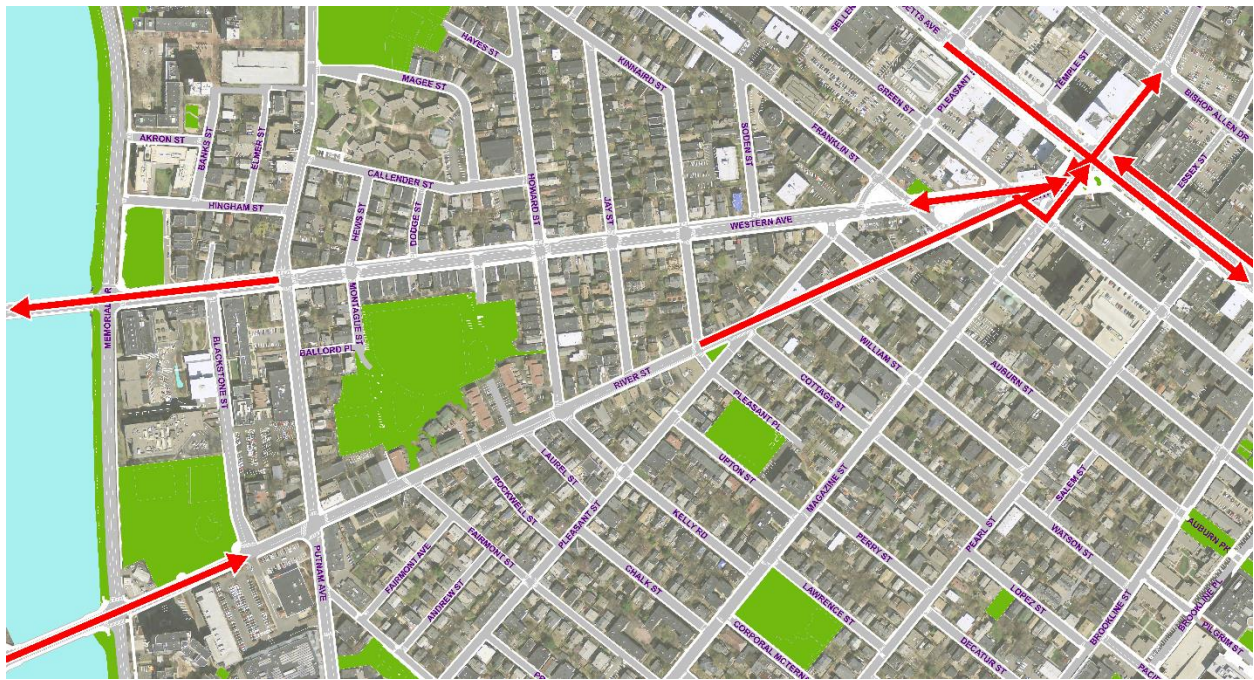




efficiency of its fare collection system. Fluctuations in bus delay cause reliability issues and bus bunching. As seen in **Figure 10**, sections of River Street and most of Central Square host significant traffic that leads to passenger delay.

Additional analysis of APC data will continue through the alternatives analysis process.

**Figure 10: Central Square Transit Delay**



Other area transit services in the study area include MASCO (Medical Academic and Scientific Community Organization) Longwood Medical and Academic (LMA) Shuttles, which provides service between the institutions in the LMA Area of Boston and the Greater Boston Area. The M2 Cambridge-HMS shuttle runs between Harvard Square in Cambridge and the LMA area, along Massachusetts Avenue via Central Square to Beacon Street in Boston. The HUIT784 shuttle operated by Harvard University runs between the Harvard University campus in Cambridge and 784 Memorial Drive, via Memorial Drive. Other private shuttles may utilize routes within the study area without stopping on River Street.

### 2.3 Crash Analysis

Crash analysis has been conducted at the study area intersections and segments along the River Street corridor in order to understand existing safety concerns to address with the reconstruction of the roadway. Crash data for the study area intersections and roadways were obtained from the City of Cambridge, including yearly crash summaries for the years 2016, 2017 and 2018. Crash data from the City's Open Data portal and individual crash reports from the Cambridge Police Department were also reviewed. The two data sets were combined, eliminating any duplicate crash reports, to evaluate the crash history along the River Street corridor. A summary of the crash data at each study area intersection is presented below in **Table 3**. MassDOT crash data are also available along the corridor. However, it was not specifically utilized as part of this review since more recent and more detailed information is available through the City.

Crash rate calculations were completed to determine whether the crash frequencies at the study area intersections were unusually high given the travel characteristics at each location. The vehicular crash rates are expressed in crashes per million entering vehicles at each intersection location. The calculated rates were then compared to the average rate for signalized and unsignalized intersections statewide and within MassDOT District 6. For signalized intersections, the statewide average crash rate is 0.78 crashes per million entering vehicles and the MassDOT District 6 crash rate is 0.71 crashes per million entering vehicles. For unsignalized intersections, the statewide average crash rate is 0.57 crashes per million entering vehicles and the MassDOT District 6 crash rate is 0.52 crashes per million entering vehicles. Crash rates utilize transportation volume data described in further detail in Section 2.4 of this report. A summary of crash types for intersections along the River Street corridor is provided in **Figure 11**. It should be noted that the intersection of River Street and Memorial Drive is identified as a Top 200 Intersection Crash Cluster from 2014 to 2016 by MassDOT and that additional crashes have been reported at the intersection. However, due to the overlapping jurisdiction of this intersection, the additional are not included in the data provided by the Cambridge Police Department.

As summarized in the following table, the intersections of River Street with Howard Street/Kelly Road, Kinnaird Street, Franklin Street, and Massachusetts Avenue are shown to have crash rates higher than the average District 6 or statewide crash rates. The intersections of River Street at Howard Street/Kelly Road and River Street and Kinnaird Street were shown to have a large portion of crashes occurring due to the proximity of parked cars to the intersections, turns from the side streets and turns from River Street from the incorrect lanes. At the intersection of River Street and Franklin Street, the majority of crashes occurred between vehicles traveling southbound on Franklin Street and vehicles travelling eastbound on River Street. Failure to stop at the stop sign and misjudgment of gaps available on River Street due to speed were some of the causes cited. A relatively high number of crashes involving pedestrians were reported at the intersection of River Street with Massachusetts Avenue. Vehicles yielding to pedestrians and emergency vehicles within the intersection was shown to cause a number of rear end collisions.

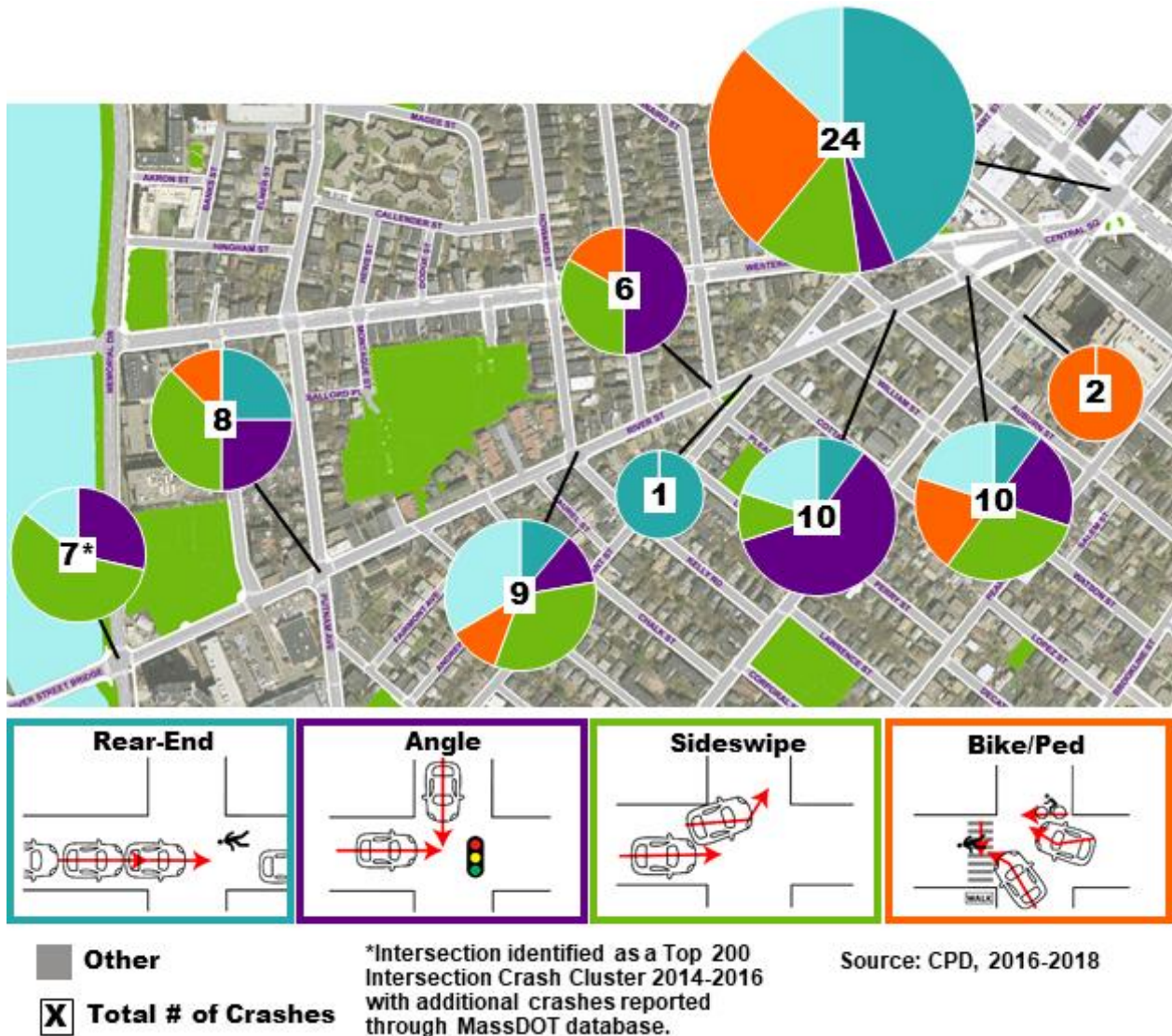


**Table 3: Intersection Crash Summary**

	River Street at Memorial Drive	River Street at Putnam Avenue	River Street at Howard Street & Kelly Road	River Street at Kinnaird Street	River Street at Pleasant Street & Cottage Street	River Street at Franklin Street	River Street at Green Street & Western Avenue	Magazine Street at Green Street	River Street at Massachusetts Avenue & Prospect Street	All Other River Street Intersections
<b>Year</b>										
2016	4	2	5	0	0	3	3	2	11	4
2017	3	3	1	4	1	4	5	0	6	9
2018	0	3	3	2	0	3	2	0	7	6
<b>Type</b>										
Angle	2	2	1	3	0	6	2	0	1	6
Rear-end	0	2	1	0	1	1	1	0	10	3
Sideswipe	4	3	3	2	0	1	3	0	3	5
Head On	0	0	2	0	0	0	0	0	0	1
Pedestrian	0	1	1	0	0	0	1	1	6	1
Bicycle	0	0	0	1	0	0	1	1	0	1
Electric Scooter	0	0	0	0	0	0	0	0	1	0
Single Vehicle	1	0	1	0	0	2	0	0	3	1
Other	0	0	0	0	0	0	0	0	0	0
Type Unknown	0	0	0	0	0	0	2	0	0	1
<b>Severity</b>										
Property Damage	7	2	6	4	0	7	8	2	17	14
Personal Injury	0	4	3	2	1	3	2	0	6	3
Fatality	0	0	0	0	0	0	0	0	0	0
Severity Unknown	0	2	0	0	0	0	0	0	1	2
<b>Weather</b>										
Clear	2	7	6	2	1	6	4	1	19	11
Cloudy	3	0	3	2	0	4	2	0	2	3
Rain	1	1	0	1	0	0	3	1	1	4
Snow	0	0	0	0	0	0	1	0	2	0
Sleet	0	0	0	0	0	0	0	0	0	0
Weather Unknown	1	0	0	1	0	0	0	0	0	1
<b>Time</b>										
7:00 AM to 9:00 AM	0	1	0	0	0	1	1	0	1	4
9:00 AM to 4:00 PM	4	5	7	4	0	4	4	1	7	7
4:00 PM to 6:00 PM	0	0	0	1	0	1	4	0	6	2
6:00 PM to 7:00 AM	3	2	2	1	1	4	1	1	10	6
<b>Total</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>2</b>	<b>24</b>	<b>19</b>
Crash Rate	0.15	0.46	0.78	0.58	0.09	0.74	0.48	0.41	0.99	-
District 6 Average	0.71	0.71	0.71	0.52	0.52	0.52	0.71	0.52	0.71	-
State Average	0.78	0.78	0.78	0.57	0.57	0.57	0.78	0.57	0.78	-

Source: Cambridge Police Department

Figure 11: High Crash Rate Intersection Summary



Bicycle crash rate calculations for the River Street corridor are presented below in **Table 4**. The bicycle crash rate is expressed in million bicycle miles traveled. The calculated crash rate for the River Street corridor is 18.8 which is higher than the 2012 Citywide average which is 13.8. Throughout the study area, bicycle crashes occurred on River Street at Blackstone Street, Kinnaird Street, and Green Street, and on Magazine Street at Green Street. Most of the bicycle crashes involved a conflict between bicycles and vehicles at intersecting roadways (i.e. a bicycle traveling on River Street and a vehicle entering from or exiting a side street).



**Table 4: River Street Bicycle Crash Rates**

<b>Bike Crash Rates</b>	
River Street Bike Crashes	3
Bike ADT	212
Length (mi)	0.69
Bike Crash Rate	18.8
2012 Citywide Average	13.8

A review of pedestrian crashes throughout the study area noted a total of eleven pedestrian crashes along River Street at the following locations:

- Blackstone Street
- Putnam Avenue
- Howard Street & Kelly Road
- Green Street at Western Avenue
- Massachusetts Avenue at Prospect Street
- Magazine Street at Green Street

Many of the pedestrian crashes occurred during low light conditions or involved limited visibility between the vehicle and the pedestrian.

## 2.4 Transportation Volumes

### 2.4.1 Multimodal Volume Data Collection

To assess weekday peak hour transportation conditions, multimodal manual turning movement counts were conducted at the study area intersections during the weekday morning and weekday afternoon peak periods. During the peak period counts, pedestrian, bicycle and vehicle volumes were collected, as well as vehicle classifications. Counts were conducted on Tuesday, December 4, 2018 from 7:00 AM to 10:00 AM and from 4:30 PM to 7:30 PM. The results of the turning movement counts are tabulated by 15-minute periods and are provided in Appendix A.0 of this report.

Automatic traffic recorder (ATR) data were collected on River Street at two locations, one between Memorial Drive and Putnam Avenue and one between Pleasant Street and Franklin Street. The ATR count was conducted for a seven-day period from Wednesday, November 28, 2018 to Tuesday, December 4, 2018. The raw ATR data are included in Appendix B.0 for reference.

### 2.4.2 Seasonal Adjustment

In order to account for seasonal variation in transportation volumes along River Street, a variety of other transportation data were reviewed. Supplemental peak period transportation data were collected at six of the River Street study area intersections and six additional Central Square intersections in order to specifically review potential seasonal changes in vehicle, pedestrian and bicycle peak hour volumes. Counts were conducted on Wednesday,



May 22, 2019 from 7:00 AM to 10:00 AM and from 4:30 PM to 7:30 PM. The results of the River Street turning movement counts are tabulated by 15-minute periods and are provided in Appendix A.0 of this report.

A review of seasonality of vehicles was conducted utilizing continuous count data from MassDOT count stations on I-90 and I-93, Watertown Town Wide Traffic Counting volumes from 2017, 2016 vehicular volume data from the Traffic Impact Study prepared by VHB for the Mass+Main residential development project and the supplemental volume data collected in May. Based on the seasonal trends of the data reviewed, volume counts collected during the months of November and December are shown to be generally representative of an average month. Therefore, the existing peak hour vehicle volumes were not seasonally adjusted.

A separate review of the pedestrian and bicycle volumes was conducted utilizing a variety of sources. For pedestrian volumes, the primary sources of comparison were the supplemental volume data collected in May 2019 and the peak hour pedestrian volumes identified in previously completed traffic impact studies which collected data in May 2016. Based on a review of the available data, no seasonal adjustment was used for the weekday morning pedestrian peak hour volumes while an increase of approximately 14% of the weekday afternoon pedestrian peak hour volumes was used. Pedestrian data from the study area intersections which were counted in May 2019 were utilized as the peak hour pedestrian volumes. Peak hour pedestrian volumes at the other study area intersections were adjusted during the weekday afternoon peak hour upwards by 14%.

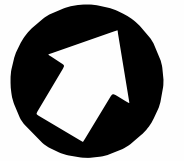
In order to most accurately account for seasonal variation in bicycle volumes, the additional turning movement counts performed in May of 2019 were reviewed. These counts were expected to reflect typical bicycle volumes under ideal conditions. A comparison of December and May bicycle volumes at these intersections was used to develop seasonally-adjusted bicycle volumes at all of the study area intersections. Based on a review of the available data, a seasonal increase of about 24% was identified for the weekday morning pedestrian peak hour volumes and an increase of approximately 71% of the weekday afternoon pedestrian peak hour volumes. Bicycle volume data from the study area intersections which were counted in May 2019 were utilized as the peak hour bicycle volumes. Peak hour bicycle volumes at the other study area intersections were adjusted upwards by 24% during the weekday morning peak hour and upwards by 71% the afternoon peak hour.

### *2.4.3 Multimodal Peak Hour Volumes*

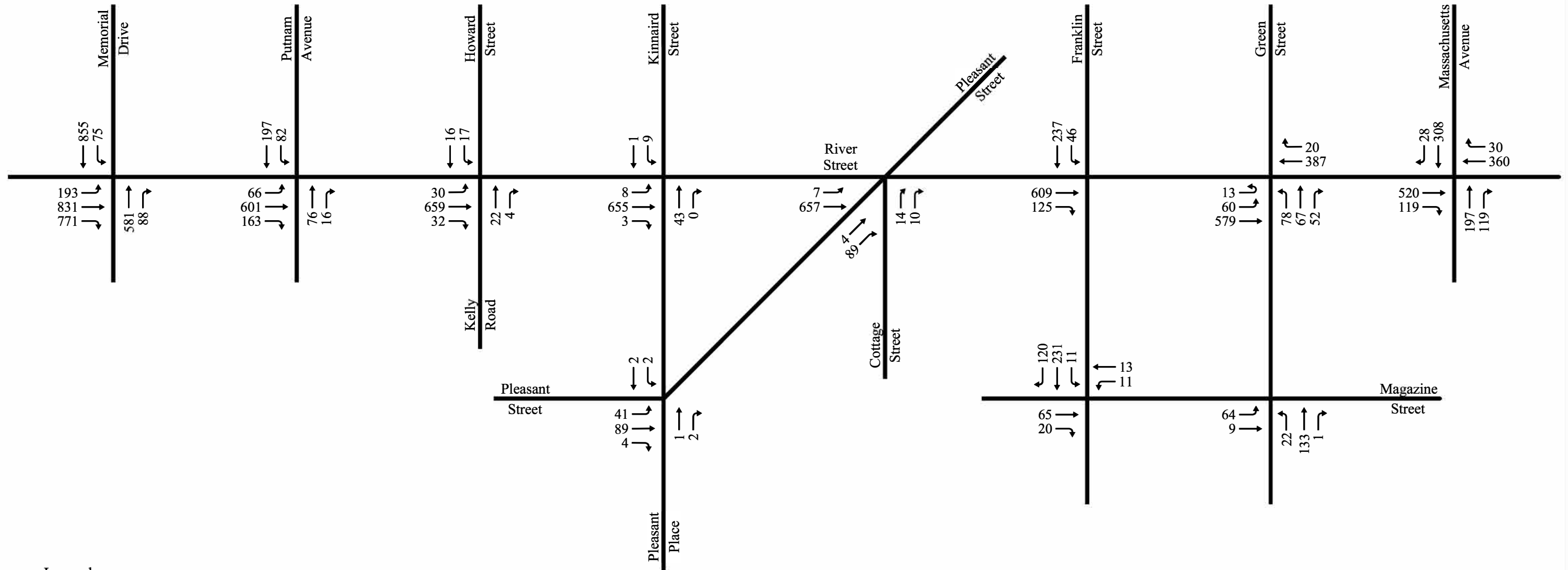
In order to create a single data set for the entire study area network, vehicle volumes and bicycle were balanced between the River Street corridor intersections and the non-River Street intersections. Vehicle volumes were generally balanced where an imbalance between intersections exceeded 5% of the total vehicle volume on the link. Balancing to 5% was intended to minimize alteration of the base data and the creation of an artificial data set, by altering only select vehicle volumes on a limited number of intersections. Exceptions to this balancing to 5% were made for links with potential justifications for large vehicle imbalances, for example parking facilities where vehicles would effectively “exit” the network. A similar methodology was utilized to balance bicycle volumes along a corridor based on the May 2019 bicycle counts and the seasonal adjusted December 2018 counts.

The seasonally-adjusted and balanced peak hour vehicle volumes are depicted in **Figure 12** for the weekday morning peak hour and **Figure 13** for the weekday afternoon peak hour. Resulting Existing peak hour pedestrian and bicycle volumes are depicted in **Figure 14** and **Figure 15** for the weekday morning and weekday afternoon peak hours, respectively. A full set of multimodal hourly volumes can be found in the traffic projection model provided in Appendix C.0.





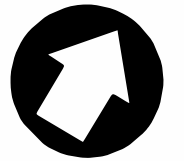
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NOT TO SCALE



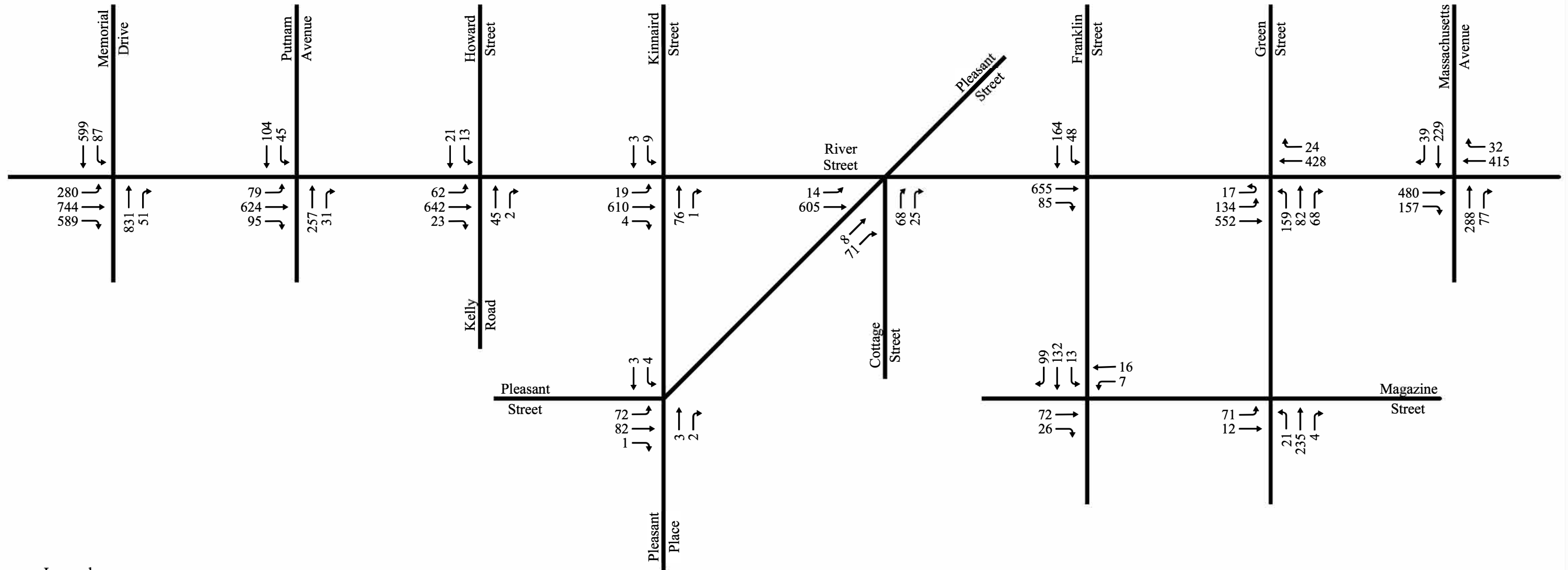
Legend:



Vehicles



SCHEMATIC-  
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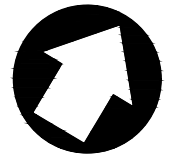


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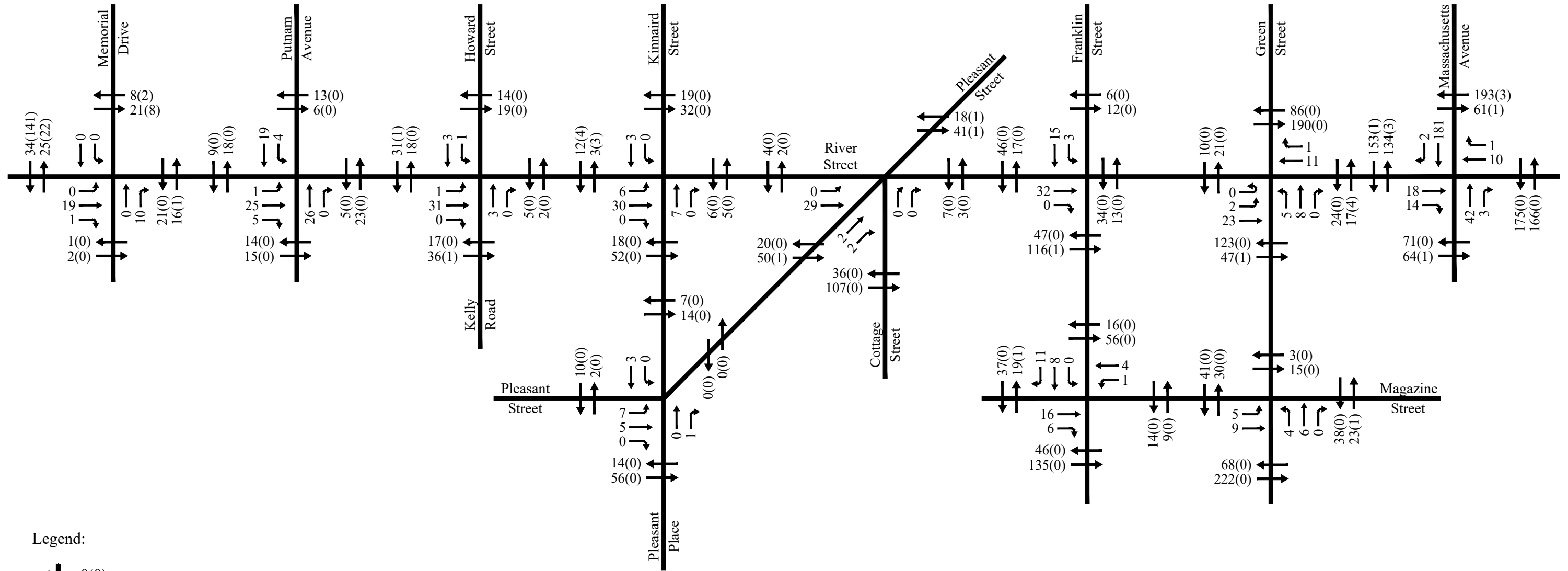


Vehicles



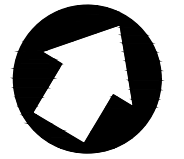


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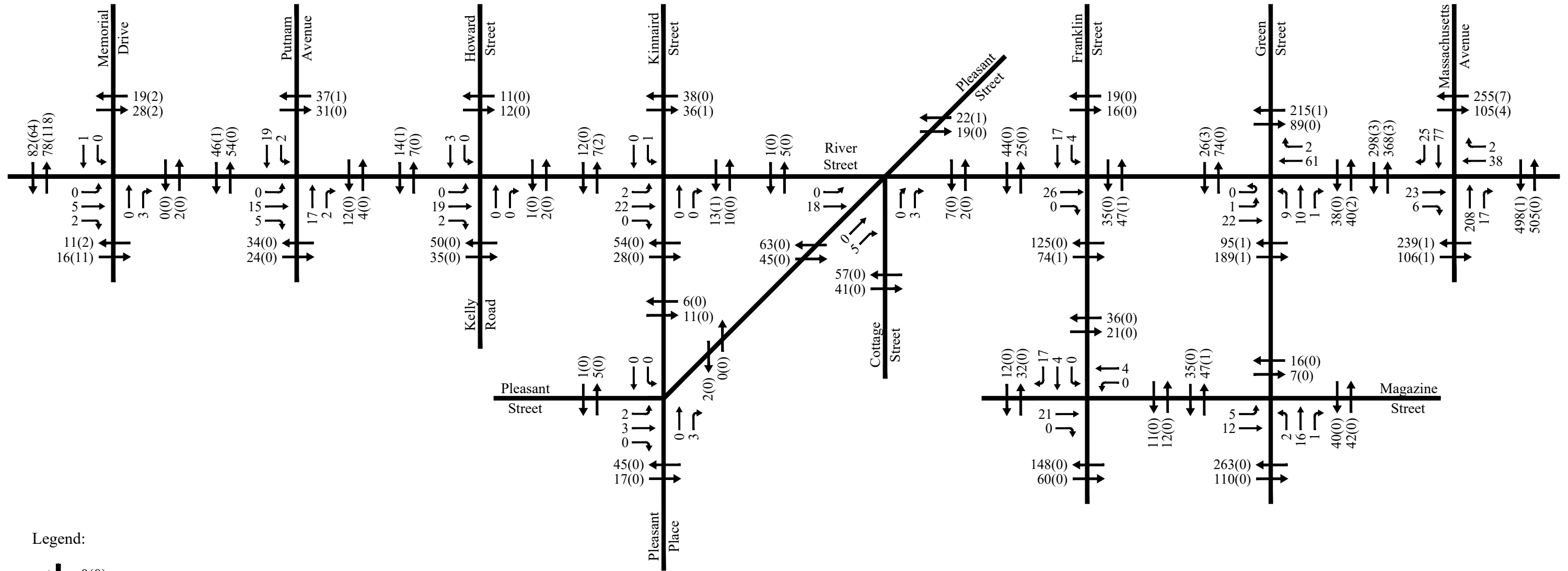


Legend:

- 0(0) Pedestrians(Bicycles in Crosswalk)
- Bicycles on Roadway



SCHEMATIC-  
NOT TO SCALE



Legend:

- 0(0) Pedestrians(Bicycles in Crosswalk)
- Bicycles on Roadway

### 2.4.4 Vehicle Volume Characteristics

The ATR data described above collected vehicle volume, speed and classification data at two points on River Street. **Table 5** and **Table 6** provide a summary of the volume, speed and vehicle type at the two data collection points on the corridor.

**Table 5: Automatic Traffic Recorder Data – Between Memorial Drive and Putnam Avenue**

	<u>Volume<sup>1</sup></u>	<u>Car<sup>2</sup></u>	<u>Buses<sup>3</sup></u>	<u>HV<sup>4</sup></u>	<u>85th Percentile Speed (mph)</u>	<u>Average Speed (mph)</u>	<u>95th Percentile Speed (mph)</u>
Weekday (M-F)	9,460	<u>88.1%</u>	<u>1.8%</u>	<u>7.6%</u>	26	19	30
Weekday (Tu-Th)	9,493	<u>90.0%</u>	<u>1.8%</u>	<u>8.1%</u>	26	19	30
Saturday	9,398	<u>94.8%</u>	<u>1.1%</u>	<u>4.1%</u>	26	19	30
Sunday	8,697	<u>95.6%</u>	<u>0.8%</u>	<u>3.6%</u>	26	19	30

1 - Average Daily Traffic for Weekday/Weekend Averages

2 - Percentage of Cars

3 - Percentage of Buses

4 - Percentage of Heavy Vehicles (excluding Buses)

**Table 6: Automatic Traffic Recorder Data – Between Pleasant Street and Franklin Street**

	<u>Volume<sup>1</sup></u>	<u>Car<sup>2</sup></u>	<u>Buses<sup>3</sup></u>	<u>HV<sup>4</sup></u>	<u>85th Percentile Speed (mph)</u>	<u>Average Speed (mph)</u>	<u>95th Percentile Speed (mph)</u>
Weekday (M-F)	9,479	<u>88.1%</u>	<u>2.3%</u>	<u>9.6%</u>	32	27	36
Weekday (Tu-Th)	9,470	<u>88.3%</u>	<u>2.3%</u>	<u>9.4%</u>	32	27	36
Saturday	8,856	<u>92.9%</u>	<u>1.2%</u>	<u>6.0%</u>	32	26	36
Sunday	7,677	<u>94.7%</u>	<u>0.8%</u>	<u>4.5%</u>	33	27	37

1 - Average Daily Traffic for Weekday/Weekend Averages

2 - Percentage of Cars

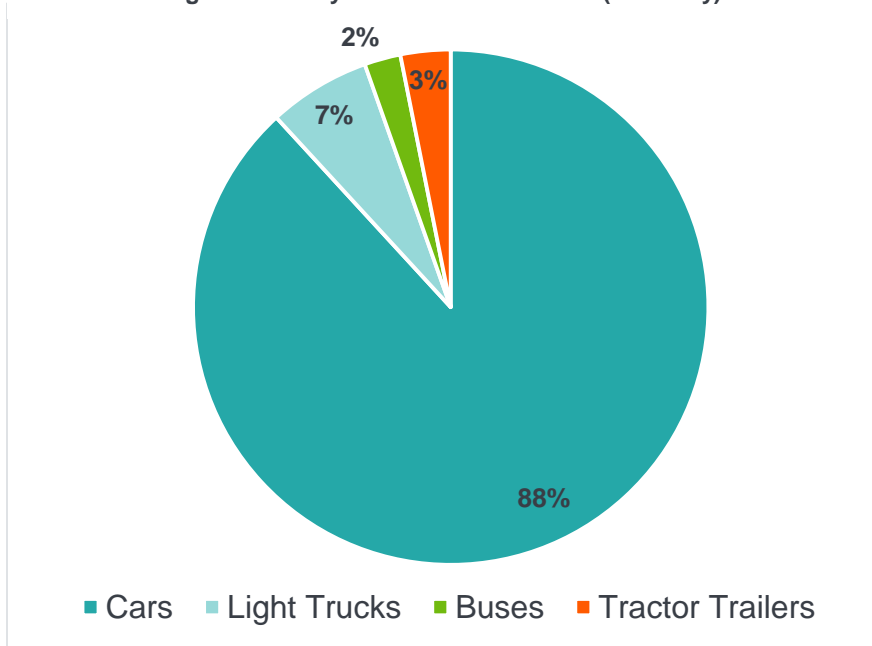
3 - Percentage of Buses

4 - Percentage of Heavy Vehicles (excluding Buses)

Based on a review of the ATR data, the vehicle volume data collected in the proximity of Pleasant Street and Franklin Street were determined to be representative of a typical River Street cross-section. A closer review of the ATR data at this location was completed. **Figure 16** depicts the breakdown of vehicle types over the course of a typical weekday, which shows that approximately 10 percent of daily traffic on River Street can be attributed to heavy vehicles other than buses. River Street is a posted truck route and signed as a Hazardous Material Carrier (HAZMAT) Route between Central Square and the Massachusetts Turnpike Exit 18.

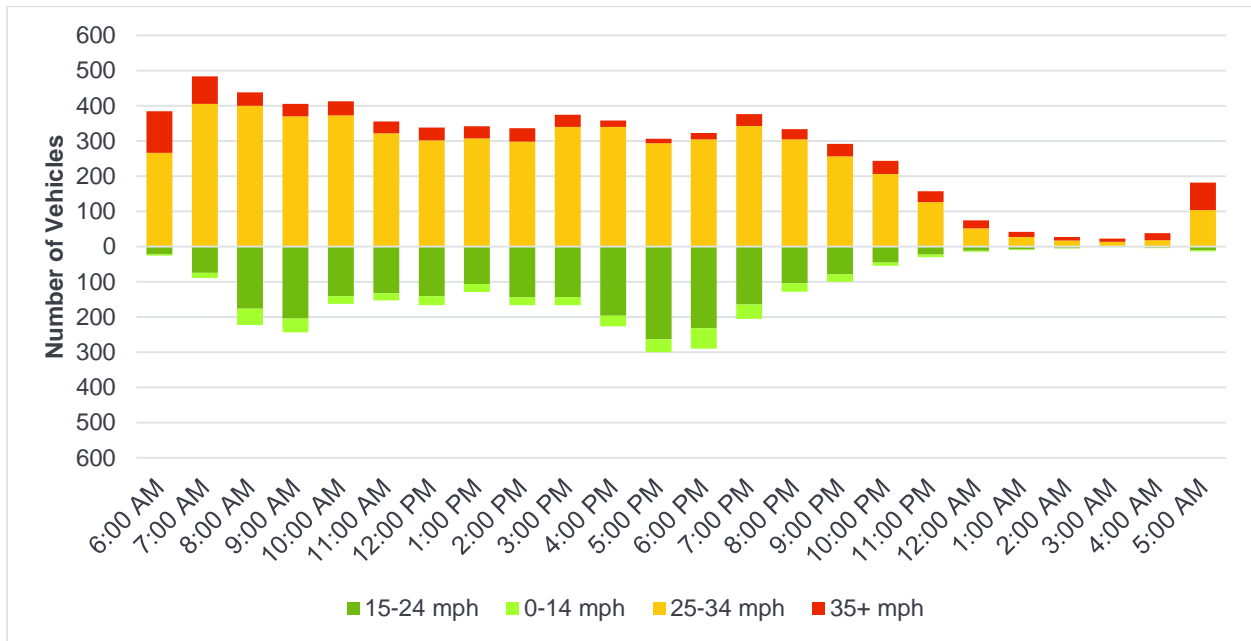


Figure 16: Daily Vehicle Classification (Weekday)



Error! Reference source not found. **Figure 17** depicts the volume of vehicles during each hour on River Street between Pleasant Street and Franklin Street traveling less than 15 mph, from 15 mph to 24 mph, 25 mph to 34 mph and above 35 mph over the course of weekday. The highest percentage of hourly vehicle volume traveling over 35 miles per hour is shown to occur during the 5:00 AM and 6:00 AM hours.

Figure 17: Hourly Vehicle Speeds (Weekday)



### 2.4.5 Transit Ridership Volume & Data

Bus stops directly on River Street have low ridership compared to those in Central Square; however, they serve high ridership routes. Buses on River Street carry almost 3,000 riders per day through Central Square.<sup>6</sup> This makes River Street an important location for providing safe, accessible, and comfortable bus stops. The total average daily ridership based on 2018 APC data for the three routes that run on River Street is provided in **Table 7**.

**Table 7: Total Average Daily Route Ridership for Routes on River Street (Fall 2018)**

Route	Weekday Total Ons (Inbound + Outbound)	Saturday Total Ons (Inbound + Outbound)	Sunday Total Ons (Inbound + Outbound)
64	1,829	550	352
70	4,853	2,817	2,871
70A	1,792	1,092	N/A

Total ridership (boardings and alightings) at stops on River Street is shown in **Figure 18**, (ridership for stops in Central Square is shown in **Figure 5**, located in **Section 2.1.4** of this report.) River Street Opp Blackstone Street has the highest ridership of all stops on River Street. This stop serves all three routes (70, 70A, 64). Bus stop boardings for stops on River Street show a downward decline from River Street Opp Blackstone Street to Central Square. This is most likely due to the proximity of transit options in Central Square and comparative short walking distance to Central Square from the previous stops.

APC data record passenger ons and offs at every stop, which can be used to determine how many people are on the bus a given point on a given trip or a certain point in time. This is referred to as the passenger load. The peak load point is a point within a given route, or segment of a route, where the passenger load is at its highest. During the AM peak traffic hour (8:30-9:30 AM), 10 buses travel on River Street carrying a total passenger load of 402.<sup>7</sup> During the PM peak traffic hour (6:00 – 7:00 PM) 9 buses travel on River Street carrying a total passenger load of 175.<sup>8</sup> According to the 2018 data, the peak transit trip on the corridor is on Route 70 departing Waltham at 8:00 AM, which carries 55 passengers in a single trip (140% over seated capacity). According to the MBTA Service Delivery Policy, this is the upper threshold for passengers to feel comfortable during a peak period trip.<sup>9</sup> No passengers are considered comfortable when passenger loads exceed 140% of seated capacity. This reinforces the need to consider River Street a priority for transit due to the high number of bus riders that use it to access Central Square and beyond, and especially if the number of bus riders is expected to grow in the future.

<sup>6</sup> Total average daily load out at River Street Opp Blackstone Street, Fall 2018. Represents only riders on buses through the River Street corridor, not route-wide which is shown in Table 7.

<sup>7</sup> MBTA APC Passenger Loads, Fall 2018

<sup>8</sup> MBTA APC Passenger Loads, Fall 2018

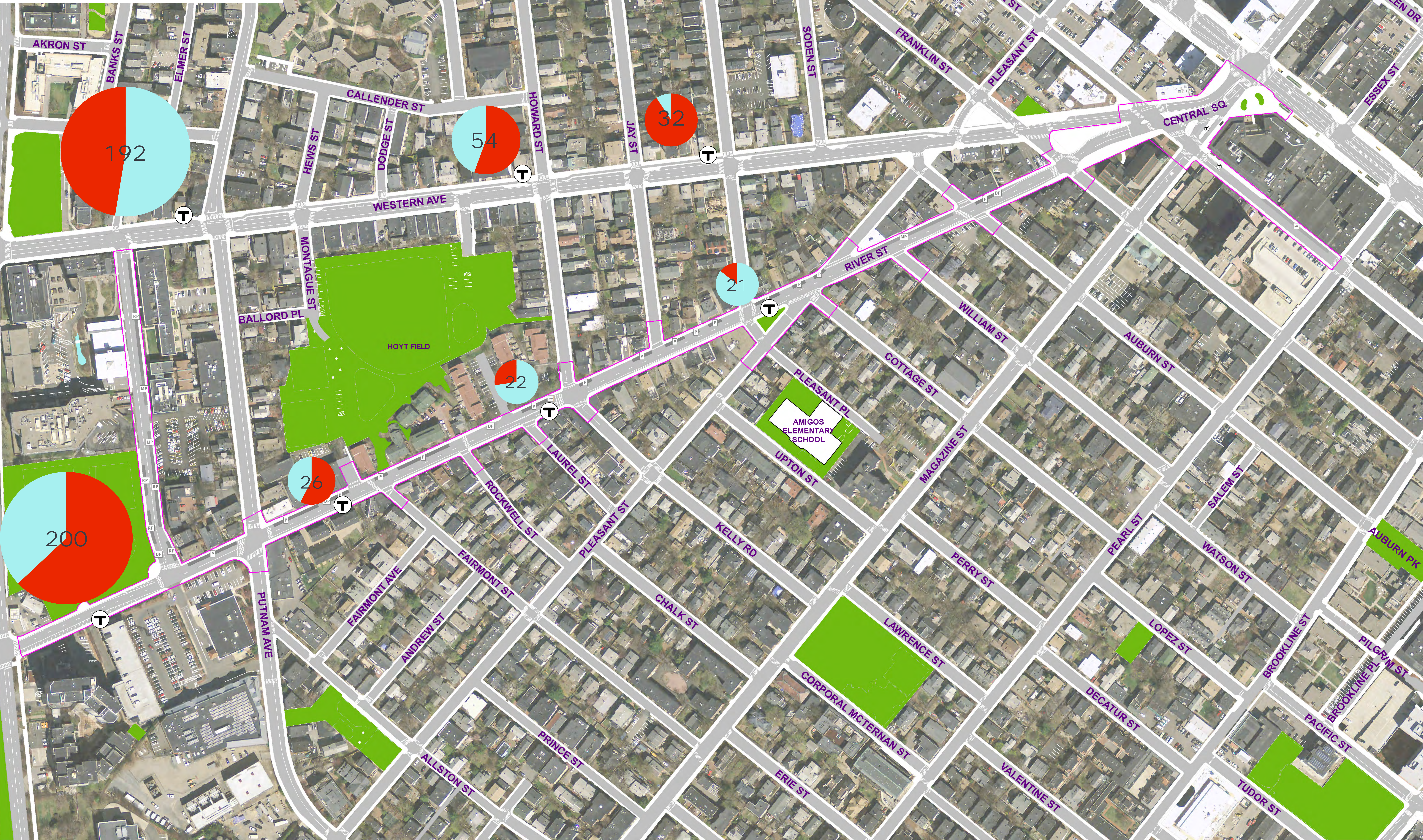
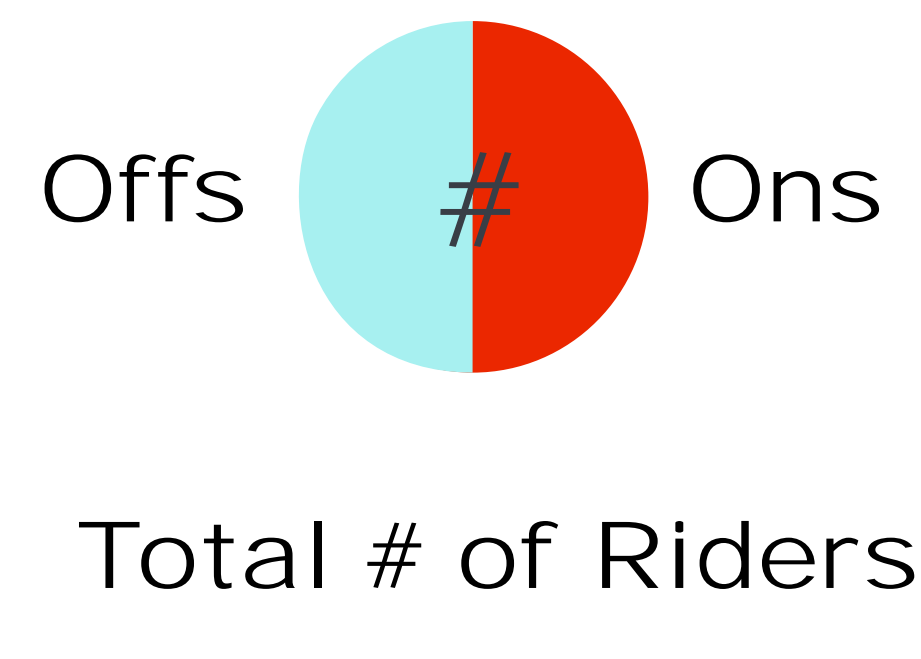
<sup>9</sup> MBTA Service Delivery Policy, January 2017



Figure 18: Bus Ridership on River Street Corridor

Legend

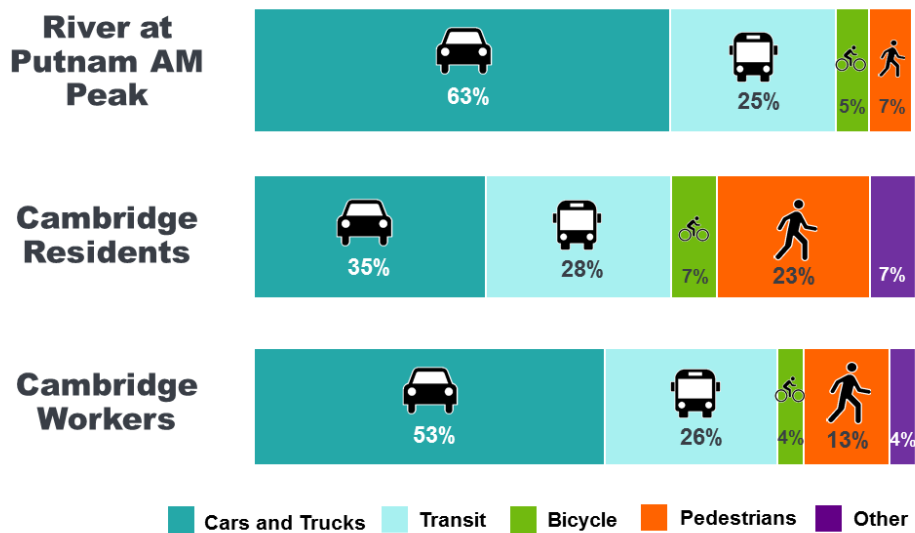
Total Weekday Boardings and Alightings



### 2.4.6 Mode Share and Roadway Users

The pedestrian, bicycle, vehicular and transit volumes on River Street were further reviewed to better understand the users on the corridor. A bus may only count as one vehicle, but as described above, carries far more passengers than a single passenger vehicle. A review of the number of individual users by mode at the intersection of River Street and Putnam Street during the morning peak hour, compared to the City-wide average for residents and workers is depicted in **Figure 19** below.

**Figure 19: River Street Users**



2006 – 2010 American Community Survey – US Census

During the weekday morning peak hour at the intersection of River Street and Putnam Street 7% of River Street users are shown to be walking, 5% biking, 25% taking transit and 63% traveling in a private vehicle. During the weekday afternoon peak hour at the same location 17% of River Street users are shown to be walking, 4% biking, 12% taking transit, and 66% driving. As compared to Cambridge-wide residents and workers, the portions of individuals traveling via bicycle and transit are approximately comparable. A higher percentage of River Street users are shown to drive than other users Cambridge-wide. On River Street, more users travel via a sustainable mode (transit, walk, bike) at Green Street compared than at Memorial Drive. The City has established a mode share goal to reduce drive alone trips by 2020 to 29% for residents and 38% for workers.

### 2.5 Curb Regulations and Parking Space Inventory

Currently, the curbside zone on the north side of River Street is comprised of primarily unregulated parking and short-term metered parking approaching Central Square. Parking is restricted along the south side of River Street within the project limits. To evaluate that current curbside use, parking utilization and parking turnover studies were completed in the study area. The results of the studies show that parking on River Street is well utilized, particularly midday at 12:00 PM and in the evening from 6:00 PM to 8:00 PM. The parking turnover study on River Street revealed that the average length of stay for vehicles parked for the six hour period between 10:00 AM and 4:00 PM



was 4.8 hours and the for the six hour period between 6:00 PM and 12:00 AM was 4.5 hours. Overall five vehicles (7% of available spaces) remained the same between all six count periods.

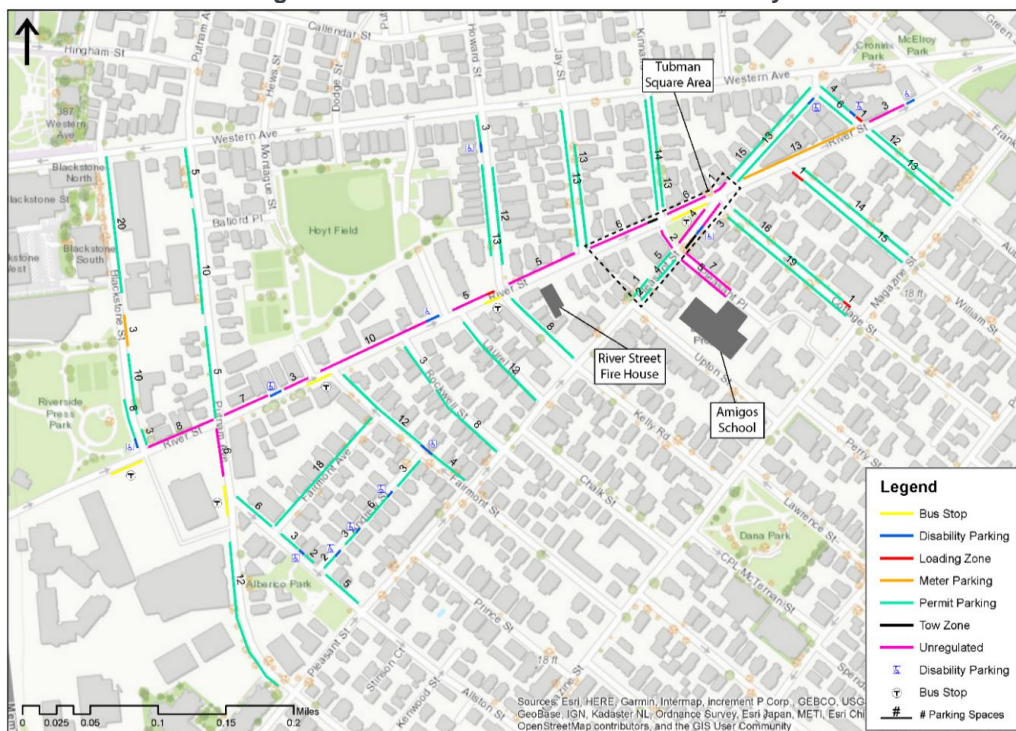
These trends show that parking as the current curbside use on River Street (the majority of which is unregulated) is largely used for longer-term vehicle storage. It is important to note that unregulated parking is fairly uncommon within the City as it is the City’s desire to more actively manage parking demand based on the local land use context and needs of the community. Going forward this may present an opportunity to consider other uses for some parts of the curbside zone to serve more users and meet more goals of the project, including improving access for people and local businesses, as well as activating and greening the street.

### 2.5.1 Parking Utilization Study

The parking utilization study in the River Street Study Area was completed on Thursday November 29, 2018 and Wednesday December 5, 2018 every two hours between 8:00 AM and 10:00 PM, with an additional count at 2:00 AM on Thursday December 6th, 2018. Both days were selected to represent typical weekdays when no major events, street sweeping, or holidays took place.

A summary of curbside uses on River Street is provided in **Figure 20**. A map depicting the limits of the parking utilization study, complete inventory of curbside uses, and complete summary of the parking utilization findings is located in Appendix D.0. The curbside inventory was determined through a desktop analysis using Google Streetview and verified in the field. Where spaces were unmarked an assumed a length of 20-feet per space was used, also accounting for standard clearances for driveways, hydrants, and intersections. The River Street parking study area contains just under 500 parking spaces. A full curbside use inventory is provided in **Table 8** below.

**Figure 20: River Street Curbside Use Inventory**



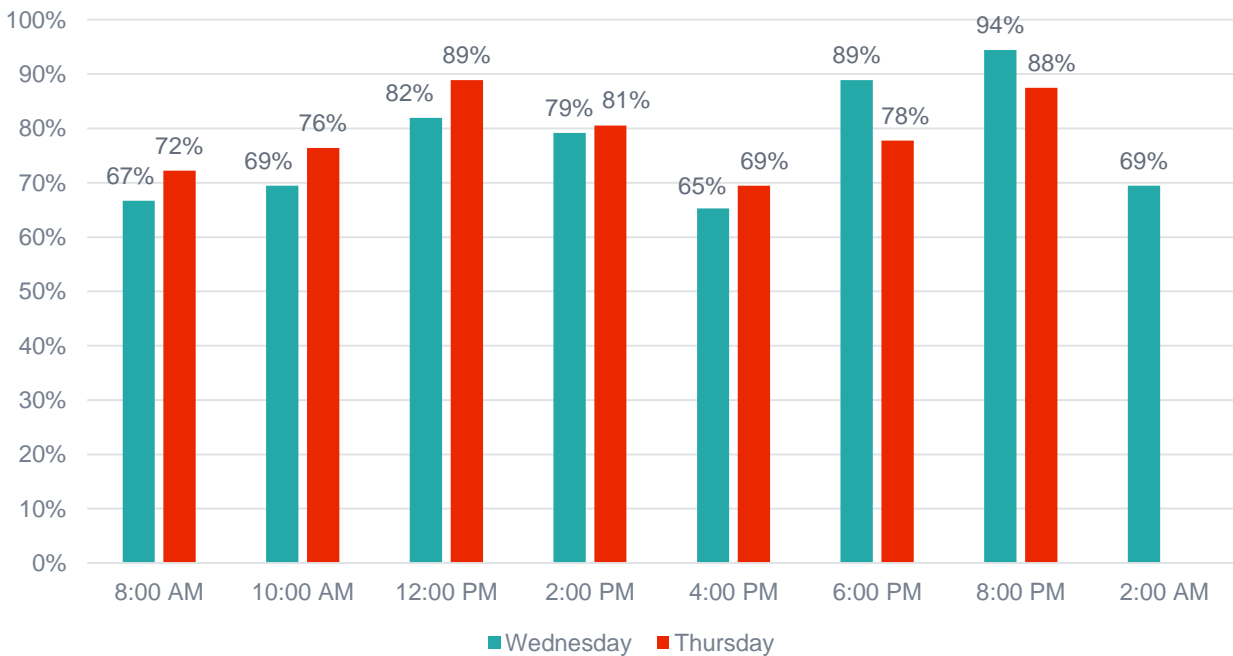


**Table 8: Parking Utilization Study Curbside Use Inventory**

Curbside Use	Number of Spaces (or relevant use)
Meter Parking (2hr, 8AM-6PM)	16
Permit Parking	388
Unregulated Parking	69
Disability Parking	16
Bus Stop	5
Loading Zone	4
Tow Zone	2
Total Parking & Loading	493

Parking utilization directly on River Street peaks at 8:00 PM at 94% of available spaces, with a secondary peak of 89% at 12:00 PM, as seen in **Figure 21**. Parking utilization is over 85% at 12:00 PM, 6:00 PM, and 8:00 PM on observation days. Overnight parking utilization is only 69% utilized, suggesting parking demand on River Street is likely driven by businesses and entertainment in Central Square or potentially access to the Red Line. This is emphasized by the high utilization of the meter parking for customer access on River Street between 6:00 PM and 8:00 PM.

**Figure 21: Parking Utilization on River Street**

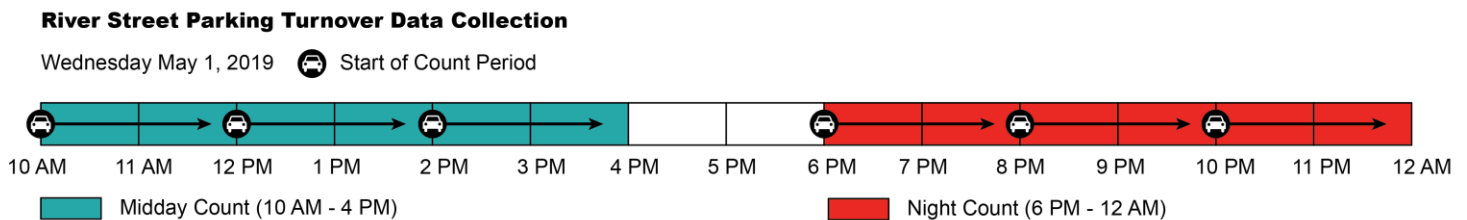


In the River Street Study Area as a whole, parking supply is well utilized throughout the day, and especially in evening and overnight where utilization ranges from 83% to 91%. Utilization in the study area as a whole always exceeded 70% on the observation days. Parking around Tubman Square was found to be highly utilized between 8:00 AM and 2:00 PM. Parking utilization in the neighborhoods north and south of River Street shows a different trend. This parking, which is almost all resident permit parking has the highest utilization after 6:00 PM, which is to be expected by residential demand. Both of the neighborhoods north and south of River Street and River Street itself experience high parking utilization recorded in the evening (6:00 PM- 8:00 PM).

### 2.5.2 Parking Turnover Study

To better understand parking utilization patterns on River Street, a parking turnover analysis was completed on River Street between Blackstone Street and Franklin Street. Turnover data were recorded Wednesday, May 1, 2019 every two hours between 10:00 AM and 4:00 PM, with counts beginning at 10:00 AM, 12:00 PM and 2:00 PM (midday count) and again between 6:00 PM and 12:00 AM, with counts beginning at 6:00 PM, 8:00 PM, and 10:00 PM (night count), resulting in six observations (beginning at 10:00 AM, 12:00 PM, 2:00 PM, and 6:00 PM, 8:00 PM, and 10:00 PM) over a total 14 hour period. The data observation periods are depicted in **Figure 22**. Parking turnover information captures and evaluates the duration of stay of vehicles at specified locations. This is particularly useful given that the majority of the parking spaces on River Street are unregulated with no time limit.

**Figure 22: Parking Turnover Data Collection**



The River Street parking turnover study area contains 70 parking spaces. A full curbside use inventory is provided in **Table 9**. The corridor was divided into 9 segments, labeled A through I for inventory and analysis purposes. The first three digits of the vehicle’s license plate occupying each space was recorded once during each count period. The data were recorded in the field on tablets using the ArcGIS Collector app. The study area map in Appendix E.0 depicts the space location by block ID and curbside regulation.

**Table 9: Parking Turnover Study Curbside Use Inventory**

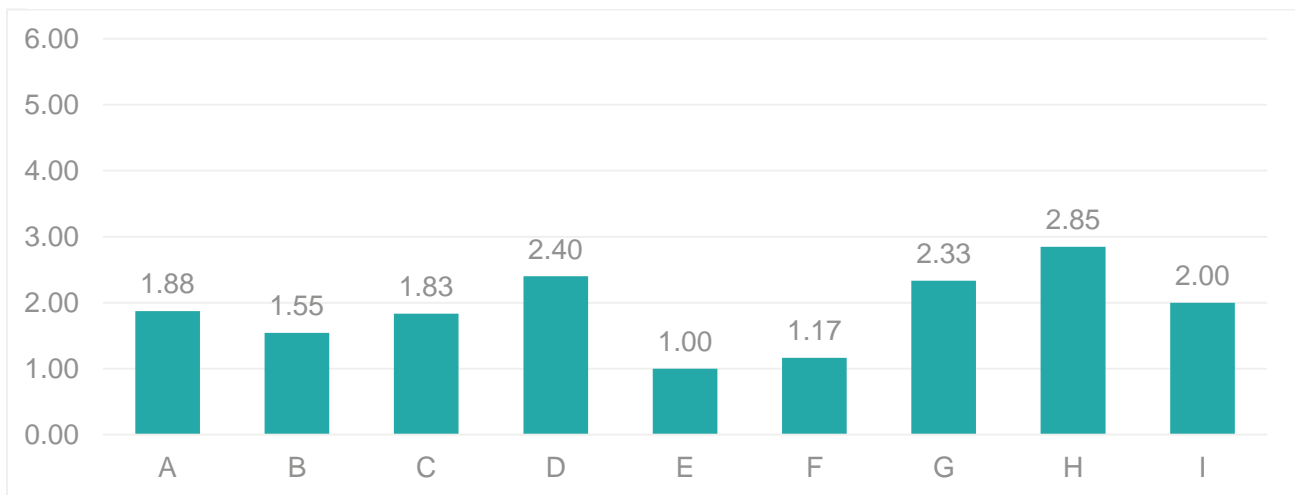
Curbside Use	Number of Spaces (or relevant use)
Meter Parking (2hr, 8AM-6PM)	13
Unregulated Parking	53
Disability Parking	4



Parking turnover is defined as the ratio of the total number of vehicles per spot within the duration of study. Turnover rates range from 1.0, representing no turnover to a maximum of 6.0, as there were six total counts taken throughout the day. **Figure 23** shows the average parking turnover for each block in the study area. The data are illustrated over the course of the day from 10:00 AM – 12:00 AM, illustrating the turnover data recorded at 10:00 AM, 12:00 AM, 2:00 PM, 6:00 PM, 8:00 PM, and 10:00 PM. Major findings include:

- There were a significant number of vehicles (36%) that remained the same between the midday to the night count (from the 2:00 PM to the 6:00 PM count). Overall from the 10:00 AM to the 10:00 PM count 5% of vehicles remained the same.
- The block between Howard Street and Jay Street had no turnover. This segment has limited on-street parking as it is located opposite the River Street Fire House.
- The block between Pleasant and Auburn had the largest amount of turnover. This is all, and the only, metered two-hour parking (from 8:00 AM to 6:00 PM) on River Street.
- Overall the parking turnover on River Street was found to be low, as the highest rate recorded was 2.85 out of 6 potential turnover times.

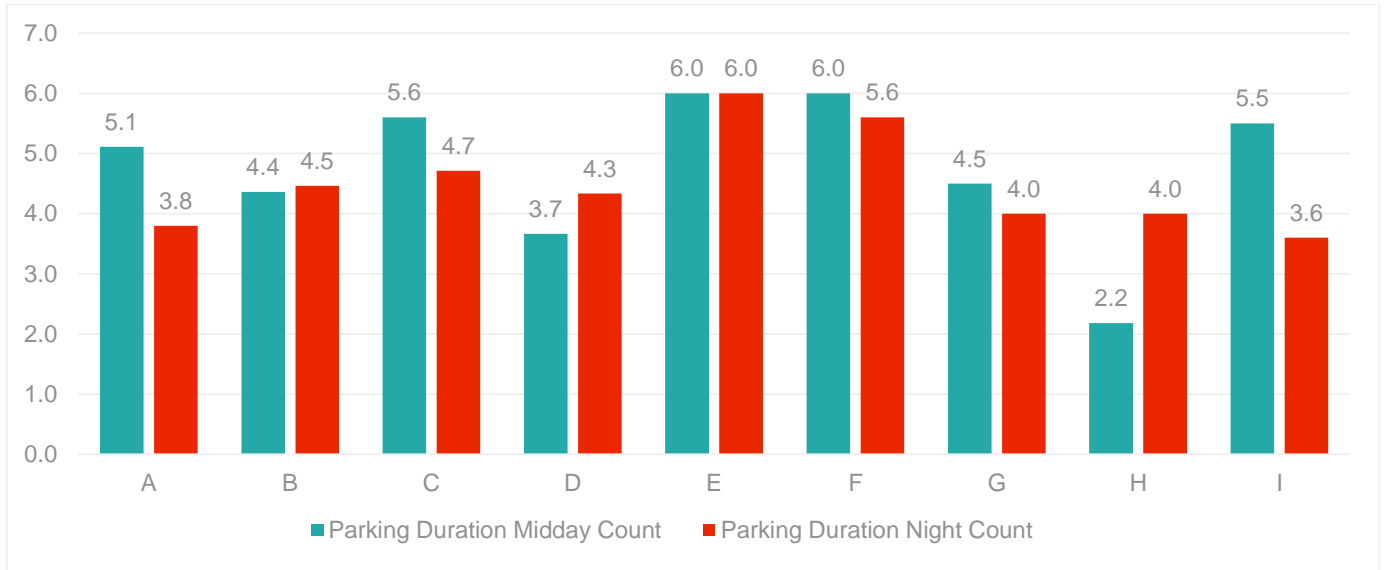
**Figure 23: Parking Turnover (vehicle/day/spot) on River Street**



The average parking duration on River Street is shown in **Figure 24**. The maximum time a vehicle could be observed parking in this study is 6.0 hours for both the midday (10:00 AM to 4:00 PM) and night (6:00 PM to 12:00 AM) count periods (the period from 4:00 PM to 6:00 PM is excluded as counts were not conducted during this time). **Figure 24** illustrates the same trends as **Figure 23**, but as hours rather than a turnover rate. Parking duration can be reduced, and turnover increased, by considering additional parking time limits, pricing, or access restrictions such as residential permits for parking areas on River Street.



Figure 24: Average Parking Duration (Hours) on River Street



## 3. Baseline Conditions

Developing the future year 2030 baseline volumes requires the consideration of expected development and transportation projects that would impact the study area network. The project team has used available information to forecast mode-specific volume changes between the 2018 existing year condition and the 2030 future baseline condition.

### 3.1 Pedestrians

Projections of future baseline pedestrian conditions utilized a network-wide growth rate. This growth rate was estimated assuming that pedestrian activity would generally increase at a rate equal to population growth in Cambridge. Census data for the City of Cambridge were referenced in order to establish the pedestrian growth rate used to develop future baseline pedestrian volumes in the study area.

#### 3.1.1 Census Data

Cambridge population estimates from the U.S. Census and its American Community Survey (ACS) for the years 2017, 2010, and 2000 were analyzed. These population figures showed an estimated population increase of approximately 5.4% between 2010 and 2017, equivalent to approximately 0.8% per year. Between the years of 2000 and 2017, census data show an approximately 9.4% population growth, equivalent to approximately 0.5% per year.

#### 3.1.2 Development of Pedestrian Baseline Volumes

Based on the population growth rates within the City of Cambridge, as well as the City's mode share goals, a network-wide pedestrian growth rate of 1% per year was selected. The resulting 2030 Baseline weekday morning and weekday afternoon peak hour pedestrian volumes can be found in **Figure 25** and **Figure 26**.

### 3.2 Bicycles

Projections of future baseline bicycle conditions utilized a network-wide growth rate. This growth rate was determined by analyzing bike volume data from a number of sources, including the Cambridge Biennial Bike Counts, the Western Avenue Post Construction Evaluation, and the Eco-Totem bicycle counter. The baseline conditions include projections of both general future ridership growth and potential changes in ridership patterns that could be expected due to improved bicycle facilities proposed along River Street. Information on the data sources referenced to establish the future baseline bicycle volumes is described below.

#### 3.2.1 Cambridge Biennial Bike Counts

The City of Cambridge's Biennial Bike Count Program has performed bicycle counts at 17 intersections throughout the City every two years since 2002. Two of these intersections are located in close proximity to the study area of the River Street Reconstruction project, River Street at Putnam Avenue and Massachusetts Avenue at Sidney Street. The analysis of bicycle counts performed at these intersections between 2012 and 2018 showed approximately a 16.1% increase in bicycle volumes over this six-year period during the weekday morning period, equivalent to a 2.5% per year increase. During the weekday afternoon period, the analysis showed approximately a 19.2% increase over the six-year period analyzed, equivalent to a 3.0% per year increase.



### *3.2.2 Western Avenue Post Construction Evaluation*

In order to quantify the potential impact that improved bicycle facilities could have on bicycle volumes, bicycle volumes on Western Avenue before and after the construction of its separated bicycle lane were compared. Bicycle volumes counted at four intersections along Western Avenue in 2016 were compared to the bicycle volumes reported at these same intersections in the 2009 pre-construction design report prepared by Jacobs Engineering Group. This analysis showed an approximately 280% increase in bicycle volumes over this six-year period during the weekday morning period, equivalent to a 21% per year increase. During the weekday afternoon period, the analysis showed an approximately 233% increase over the six-year period analyzed, equivalent to approximately a 19% per year increase. This represents a remarkable growth in bicycle volumes before and after the Western Avenue Reconstruction project. This is primarily attributable to the physical changes that improved the Bicycle Level of Comfort along the corridor, and is not reflective of a typical growth rate in the absence of improved bicycle infrastructure.

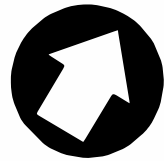
### *3.2.3 Eco-Totem Bicycle Counter*

The Eco-Totem counter is a permanent bicycle counter installed in mid-2015, which measures bicycle volumes traveling on Broadway at a location between Ames Street and Third Street. Bicycle volume data from the Eco-Totem counter for the years 2016 through 2018 showed an approximately 2.8% decrease in bicycle volumes over this period, equivalent to a 1.4% per year decrease. This decrease is believed to be a result of construction in the surrounding area impacting cyclists' routes and level of comfort on Broadway.

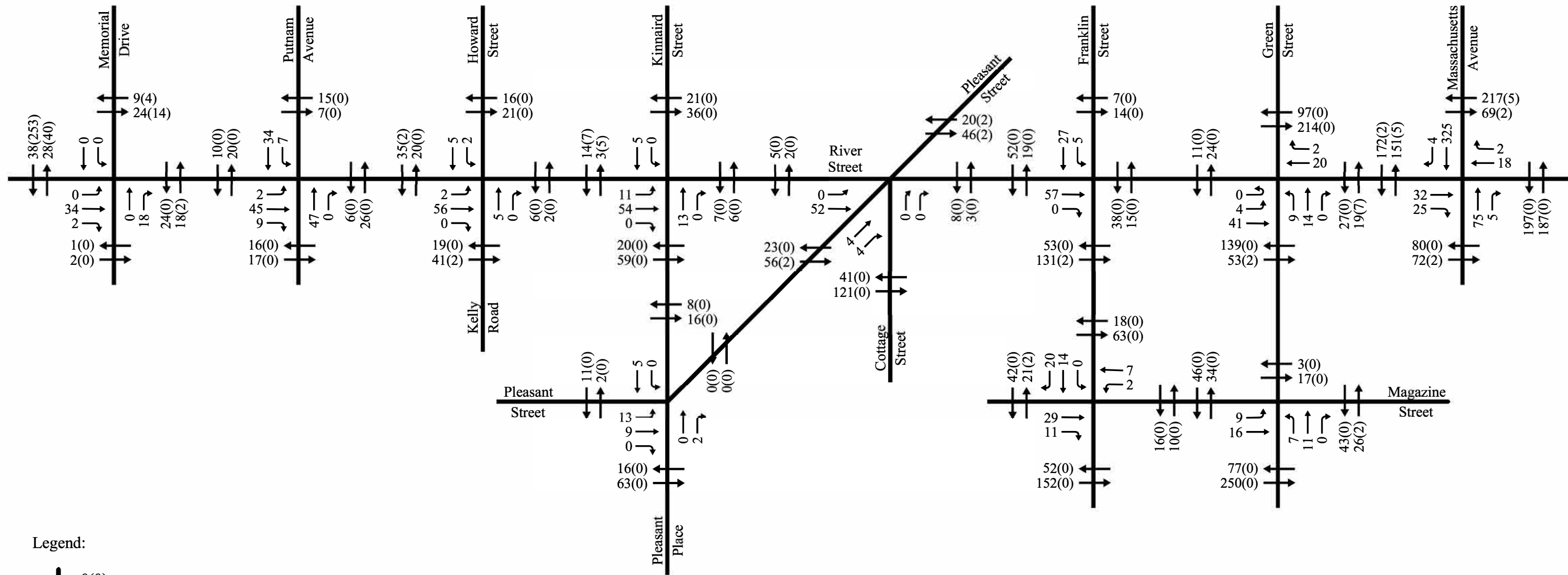
### *3.2.4 Development of Bicycle Baseline Volumes*

The data from the Cambridge Biennial Bicycle Counts suggest that between 2012 and 2018, bicycle ridership in the River Street study area increased by approximately 3% per year. A comparison of bicycle volumes on Western Avenue before and after the construction of the separated bicycle lane showed growth in bicycle volumes equivalent to approximately 20% per year. In order to determine the future baseline conditions, which account for the potential increase in bicycle ridership on River Street resulting from improved bicycle facilities and the City's mode share goals, a growth rate of 5% per year was selected. A lower percentage was used because the baseline does not assume significant improvement to the bicycle infrastructure, so the same increase in bicycle volumes as was seen on Western Avenue is not anticipated. The resulting 2030 Baseline weekday morning and weekday afternoon peak hour bicycle volumes can be found in **Figure 27** and **Figure 28**, respectively.





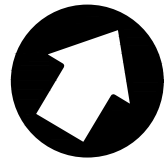
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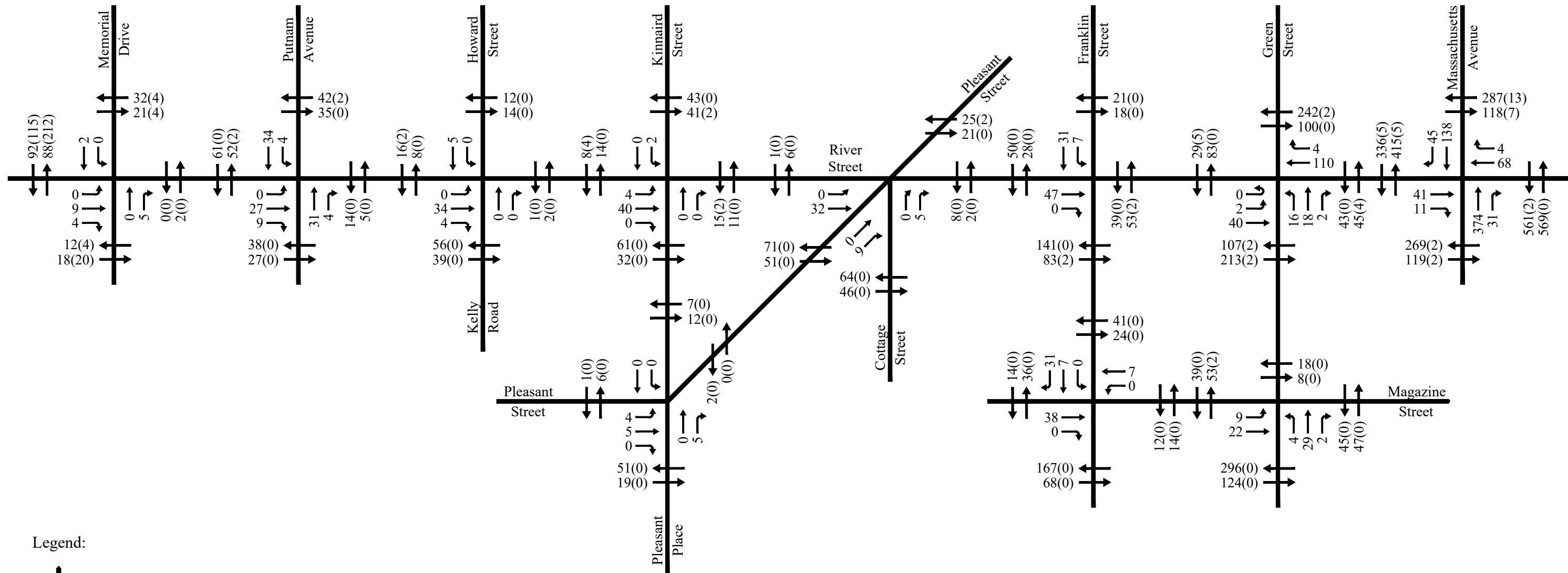
Legend:

- 0(0) Pedestrians(Bicycles in Crosswalk)
- Bicycles on Roadway

Figure 25  
2030 Baseline Weekday Morning  
Peak Hour Pedestrian/Bicycle Volumes  
River Street Infrastructure and Streetscape Design  
Cambridge, Massachusetts



SCHEMATIC-  
NOT TO SCALE



Legend:

- 0(0) Pedestrians(Bicycles in Crosswalk)
- Bicycles on Roadway



### 3.3 Vehicles

Vehicle volume projections were based on an adapted version of the critical sums analysis completed in the Fall of 2018 as part of the Envision Cambridge (EC) project. The process of using the EC project critical sums analysis to project future growth on River Street is explained below.

Vehicle trip projections contained within the Draft Environmental Impact Report (DEIR) of the I-90 Allston Interchange project, dated November 30, 2017, were also reviewed for inclusion in future vehicle trip projections. However, due to changes in the I-90 Allston Interchange project that are not reflected in the DEIR, a lack of clarity on the methodologies used to project future conditions within the DEIR, and concerns that the DEIR methodologies were not intended to project vehicle trips external to the I-90 Interchange study area, the project team decided in concurrence with the City that future vehicle volumes on River Street should not be adjusted based on the I-90 Allston Interchange project.

#### *3.3.1 Envision Cambridge Critical Sums Analysis*

The EC project critical sums analysis used estimates of potential future development within 14 areas of the City, broken down by Land Use (Office/R&D, Retail, Institutional, Residential) to estimate future trips (see Attachment A from the November 2018 Technical Memo for the City-wide Critical Sums Analysis prepared by McMahon Associates). For the development of baseline volumes for the River Street analysis, five of the areas defined in the EC project were used: Cambridgeport/Riverfront, Central Square, Prospect Street, Cambridgeport/MIT, and MIT/Osborn.

#### *3.3.2 Envision Cambridge Critical Sums Analysis Subareas*

The EC project estimates of future development within each area were used to project future person-trips to and from the area, using data contained within the Institute of Transportation Engineers (ITE) publication Trip Generation Manual. The Trip Generation Manual provides traffic generation information for various land uses compiled from studies conducted by ITE members nationwide. Person trip estimates for each area analyzed were developed based on the aforementioned land uses and equivalent Land Use Codes from the Trip Generation Manual. These person trips were then assigned to various modes (driving, transit, biking, walking). Due to the complexity involved in assigning non-vehicle trips to the network, only the projected vehicle trips were assigned to the River Street study area intersections.

The new vehicle trips expected to be generated within each area were assigned to destinations within the City and immediate region surrounding the City based on 2010 U.S. Census data for county to county flows. These trips were then assigned to corridors within the city, based on their origin, destination, and probable paths of travel. The corridor trip assignments that used the River Street study area network match those used in the EC project analysis.

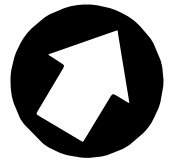
The corridor trip assignments were used in order to assign weekday morning and weekday afternoon peak hour vehicle trips to the River Street study area intersections as appropriate. Trips were distributed to the network assuming that drivers would choose to travel primarily on the major corridors within the study area, namely Massachusetts Avenue and River Street/Western Avenue. As such, vehicle trips were routed from their origin directly to these corridors, and then continuing on the corridor until they exited the study area, reached their destination, or reached one of the other major corridors. The resulting projected new vehicle trips on the study area network and resulting 2030 Baseline vehicle volumes can be found in the figures and TPM provided in Appendix C.



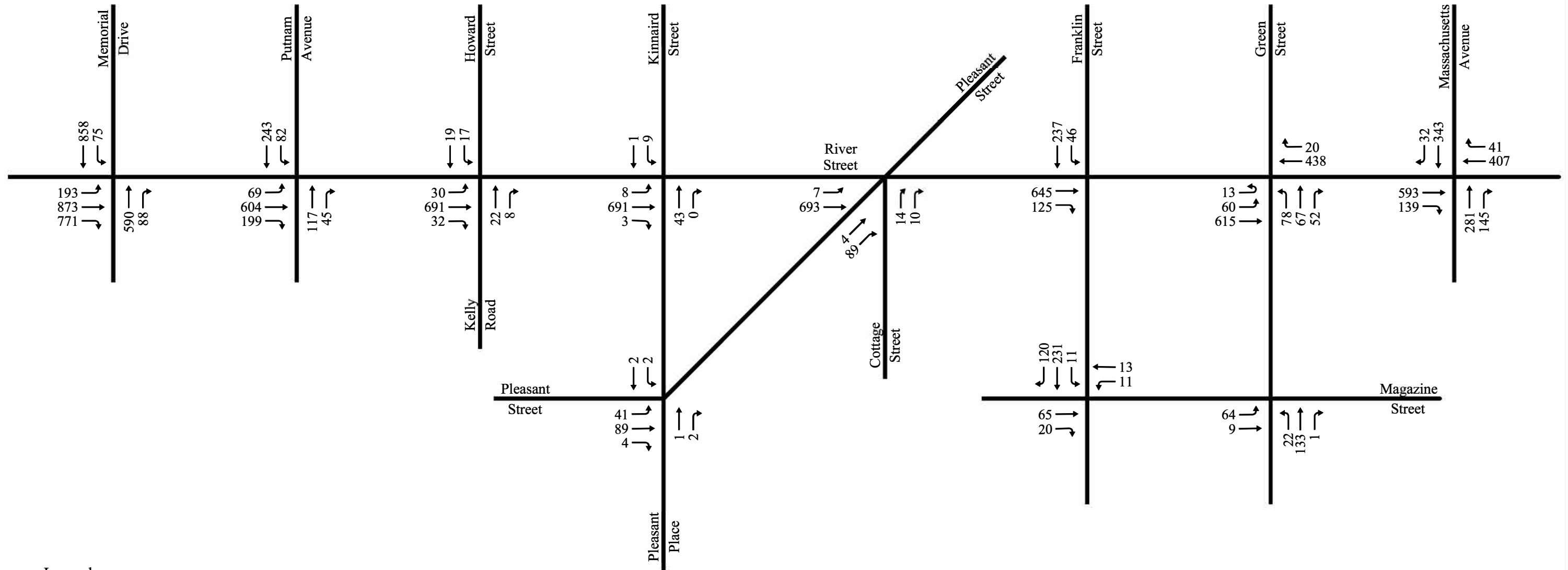
### *3.3.3 Development of Vehicle Baseline Volumes*

The future baseline vehicle volumes were developed by adding vehicles associated with development in the City, as identified as part of the EC project, to the existing traffic volume network. The baseline vehicle volumes were not influenced by the I-90 Allston Interchange project. The resulting 2030 Baseline peak hour vehicular volumes are depicted in **Figure 27** and **Figure 28**.





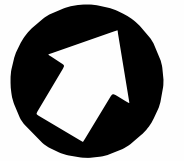
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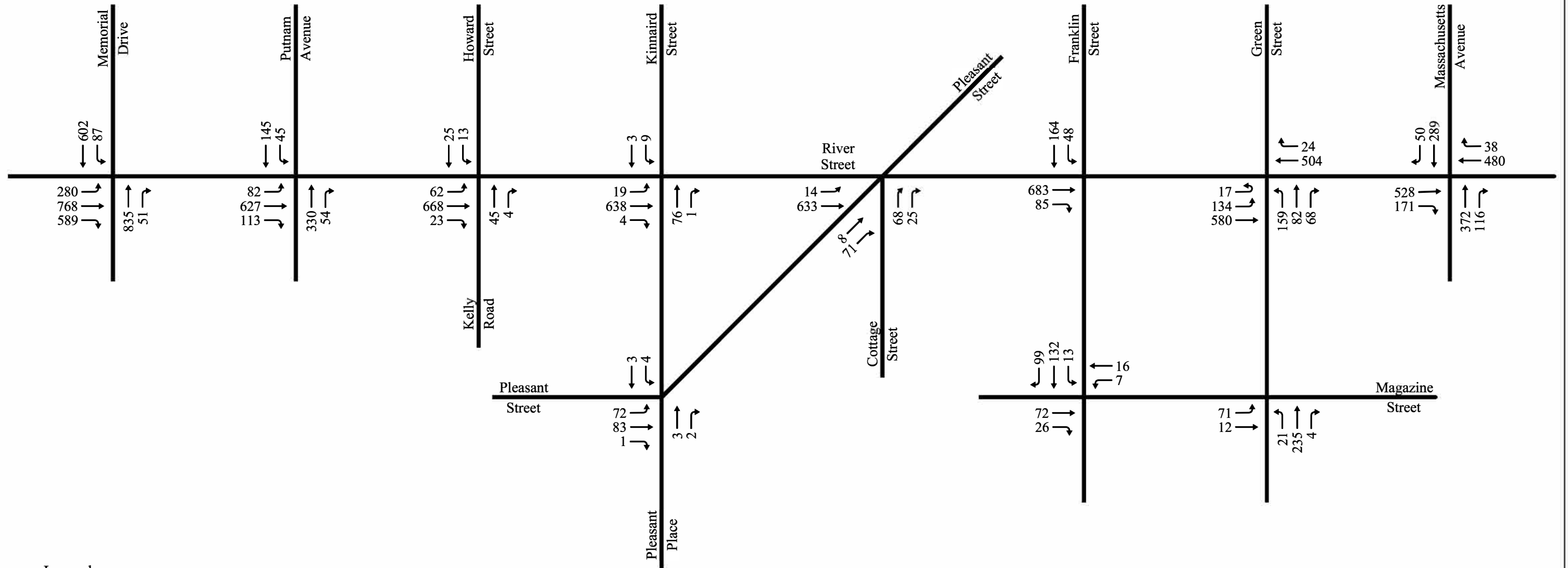
Legend:



Vehicles



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Legend:



Vehicles

### 3.4 Transit

Projections of future baseline transit conditions include projections both of future service and future ridership. Future service projections utilized information and planned changes from the MBTA Better Bus Project, while projections of future ridership were based on historical ridership data and the City of Cambridge's mode share goals. Information on the MBTA Better Bus Project and available MBTA ridership data is described below.

#### 3.4.1 Better Bus Project

The future baseline service condition includes transit improvements and route/schedule changes that are expected to occur as part of the rollout of the MBTA Better Bus Project. In May 2019 the MBTA released *the Near-Term Changes Report*, documenting the route changes that will be implemented as a result of the project in the Fall of 2019 and Winter of 2020. Recommended route and service changes that will be moving forward (to be determined by City, MBTA and consultant team) can be considered for incorporation into the model.

#### 3.4.2 Historical Ridership Data

Data from the MBTA's Automated Passenger Counts (APC) for the bus routes which utilize River Street or the Central Square busway (Routes 1, 47, 64, 70, 70A, 83, and 91) were analyzed for the years 2012 through 2018. This analysis showed an approximately 10.3% decrease in ridership on these bus routes during the six-year period analyzed, equivalent to a 1.8% per year decrease. This decrease is in line with system-wide ridership trends.

#### 3.4.3 Development of Transit Baseline Volumes

Planned service and roadway changes, such as the Better Bus Project and the I-90 Allston Interchange project, may result in further changes to ridership on the bus routes serving River Street and Central Square. Given that these changes are not known at this time, and in order to project to a future condition which aligns with the City's mode share goals, bus ridership was projected to increase a total of 10% over the twelve-year projection period, equivalent to a 0.8% increase per year. This ridership increase is not anticipated to result in service changes beyond those which are implemented from the Better Bus Project.

## 4. Key Findings and Next Steps

The existing conditions along River Street present challenges and opportunities to be considered as the next phase of the design process continues. This project will be designed, operated, and maintained to provide safety and accessibility for all users including pedestrians, bicyclists, motorists, and transit riders of all ages and abilities.

The current condition of the existing transportation infrastructure presents an opportunity to improve safety and efficiency throughout the corridor. Sidewalks and pedestrian ramps can be brought into compliance with requirements of the available accessibility guidelines. The bicycle lane does not currently have any separation from traveling vehicles on River Street and will be improved in accordance with the adopted City Cycling Safety ordinance requiring a separated bikeway. Pavement condition within the roadway is deteriorating in locations and will be improved within this project along with subsurface utilities where practical. There is also opportunity to make improvements to the traffic signal operations to better manage vehicle queues and delays in balance with pedestrian and cyclists needs. Management of vehicle operations along with the integration of transit operational improvements through signal timing and equipment along with physical space allocations for transit vehicles will also help improve transit service along River Street.



To improve the safety and operations for pedestrians, particular focus will be given to unsignalized crossing locations and locations where a large volume of pedestrians interact with a large volume of buses (Carl Barron Plaza).

The intersections on both ends of the corridor, Memorial Drive and Massachusetts Avenue, present a number of challenges as they relate to accommodating all users on River Street. Memorial Drive is utilized by a high volume of vehicles as well as pedestrians and bicycle along the multiuse path. As it relates to vehicles, specific attention should be given to improve the existing transition of vehicles from the higher speed, throughway nature of Memorial Drive and River Street west of the Charles River to the lower speed, neighborhood along River Street. This includes balancing the freight needs of the region with the designation of River Street or a hazardous materials route between I-90 eastbound and destinations north of Boston. At Massachusetts Avenue, the transit operations will be evaluated in detail to improve the efficiency of the bus circulation within the area, while improving bus stop accommodations and balancing the needs and safety of pedestrians, bicycles and other vehicles.

With an emphasis on moving River Street users along the corridor safely and efficiently, the River Street reconstruction project will continue with an alternatives analysis. The methodology and findings of this process will be documented as the River Street Reconstruction project continues.



## Appendix A.0 Turning Movement Counts

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PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	5	106	0	0	111	18	46	0	0	64	32	115	1	1	149	4	43	0	0	47	371
7:15 AM	5	102	0	0	107	19	40	1	0	60	35	97	0	0	132	8	60	1	0	69	368
7:30 AM	2	105	0	0	107	16	56	1	0	73	25	111	0	0	136	7	57	1	0	65	381
7:45 AM	3	102	0	0	105	29	51	0	0	80	35	121	0	0	156	5	58	0	0	63	404
<b>Total</b>	15	415	0	0	430	82	193	2	0	277	127	444	1	1	573	24	218	2	0	244	1524
8:00 AM	6	101	1	0	108	27	59	1	0	87	30	120	0	0	150	4	61	0	0	65	410
8:15 AM	6	100	1	0	107	25	62	0	0	87	33	118	0	0	151	4	55	1	0	60	405
8:30 AM	5	97	0	0	102	28	40	0	0	68	28	117	0	0	145	7	60	0	0	67	382
8:45 AM	7	90	0	0	97	29	62	2	0	93	24	128	0	0	152	4	75	0	0	79	421
<b>Total</b>	24	388	2	0	414	109	223	3	0	335	115	483	0	0	598	19	251	1	0	271	1618
9:00 AM	12	90	0	0	102	33	63	4	0	100	30	136	0	0	166	10	78	1	0	89	457
9:15 AM	6	77	0	0	83	29	32	0	0	61	37	139	0	0	176	7	58	1	0	66	386
9:30 AM	10	87	0	0	97	30	38	1	0	69	35	137	1	0	173	9	66	1	0	76	415
9:45 AM	8	86	0	0	94	25	60	0	0	85	25	115	0	0	140	8	41	2	0	51	370
<b>Total</b>	36	340	0	0	376	117	193	5	0	315	127	527	1	0	655	34	243	5	0	282	1628
<b>Grand Total</b>	75	1143	2	0	1220	308	609	10	0	927	369	1454	2	1	1826	77	712	8	0	797	4770
Approach %	6.1	93.7	0.2	0.0		33.2	65.7	1.1	0.0		20.2	79.6	0.1	0.1		9.7	89.3	1.0	0.0		
Total %	1.6	24.0	0.0	0.0	25.6	6.5	12.8	0.2	0.0	19.4	7.7	30.5	0.0	0.0	38.3	1.6	14.9	0.2	0.0	16.7	
<b>Exiting Leg Total</b>	1770					1083					1231					686					4770
Cars	66	1072	1	0	1139	284	485	8	0	777	267	1363	2	0	1632	72	618	7	0	697	4245
% Cars	88.0	93.8	50.0	0.0	93.4	92.2	79.6	80.0	0.0	83.8	72.4	93.7	100.0	0.0	89.4	93.5	86.8	87.5	0.0	87.5	89.0
<b>Exiting Leg Total</b>	1654					886					1152					553					4245
Heavy Vehicles	9	71	1	0	81	24	124	2	0	150	102	91	0	1	194	5	94	1	0	100	525
% Heavy Vehicles	12.0	6.2	50.0	0.0	6.6	7.8	20.4	20.0	0.0	16.2	27.6	6.3	0.0	100.0	10.6	6.5	13.2	12.5	0.0	12.5	11.0
<b>Exiting Leg Total</b>	116					197					79					133					525

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

8:45 AM	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:45 AM	7	90	0	0	97	29	62	2	0	93	24	128	0	0	152	4	75	0	0	79	421
9:00 AM	12	90	0	0	102	33	63	4	0	100	30	136	0	0	166	10	78	1	0	89	457
9:15 AM	6	77	0	0	83	29	32	0	0	61	37	139	0	0	176	7	58	1	0	66	386
9:30 AM	10	87	0	0	97	30	38	1	0	69	35	137	1	0	173	9	66	1	0	76	415
<b>Total Volume</b>	35	344	0	0	379	121	195	7	0	323	126	540	1	0	667	30	277	3	0	310	1679
% Approach Total	9.2	90.8	0.0	0.0		37.5	60.4	2.2	0.0		18.9	81.0	0.1	0.0		9.7	89.4	1.0	0.0		
PHF	0.729	0.956	0.000	0.000	0.929	0.917	0.774	0.438	0.000	0.808	0.851	0.971	0.250	0.000	0.947	0.750	0.888	0.750	0.000	0.871	0.918
Cars	30	326	0	0	356	115	161	6	0	282	92	511	1	0	604	29	248	3	0	280	1522
Cars %	85.7	94.8	0.0	0.0	93.9	95.0	82.6	85.7	0.0	87.3	73.0	94.6	100.0	0.0	90.6	96.7	89.5	100.0	0.0	90.3	90.6
Heavy Vehicles	5	18	0	0	23	6	34	1	0	41	34	29	0	0	63	1	29	0	0	30	157
Heavy Vehicles %	14.3	5.2	0.0	0.0	6.1	5.0	17.4	14.3	0.0	12.7	27.0	5.4	0.0	0.0	9.4	3.3	10.5	0.0	0.0	9.7	9.4
Cars Enter Leg	30	326	0	0	356	115	161	6	0	282	92	511	1	0	604	29	248	3	0	280	1522
Heavy Enter Leg	5	18	0	0	23	6	34	1	0	41	34	29	0	0	63	1	29	0	0	30	157
<b>Total Entering Leg</b>	35	344	0	0	379	121	195	7	0	323	126	540	1	0	667	30	277	3	0	310	1679
Cars Exiting Leg	629					340					361					192					1522
Heavy Exiting Leg	35					63					20					39					157
<b>Total Exiting Leg</b>	664					403					381					231					1679



PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
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 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	5	101	0	0	106	17	41	0	0	58	24	111	1	0	136	4	38	0	0	42	342
7:15 AM	4	97	0	0	101	15	32	0	0	47	24	88	0	0	112	7	51	1	0	59	319
7:30 AM	2	99	0	0	101	14	41	1	0	56	18	104	0	0	122	7	48	1	0	56	335
7:45 AM	2	91	0	0	93	26	45	0	0	71	25	115	0	0	140	4	49	0	0	53	357
Total	13	388	0	0	401	72	159	1	0	232	91	418	1	0	510	22	186	2	0	210	1353
8:00 AM	5	94	1	0	100	24	45	1	0	70	19	111	0	0	130	2	54	0	0	56	356
8:15 AM	5	91	0	0	96	23	49	0	0	72	27	108	0	0	135	4	44	0	0	48	351
8:30 AM	5	91	0	0	96	27	29	0	0	56	18	106	0	0	124	7	52	0	0	59	335
8:45 AM	5	86	0	0	91	27	52	2	0	81	16	121	0	0	137	4	68	0	0	72	381
Total	20	362	1	0	383	101	175	3	0	279	80	446	0	0	526	17	218	0	0	235	1423
9:00 AM	9	81	0	0	90	33	51	3	0	87	24	131	0	0	155	10	70	1	0	81	413
9:15 AM	6	75	0	0	81	25	26	0	0	51	27	131	0	0	158	6	54	1	0	61	351
9:30 AM	10	84	0	0	94	30	32	1	0	63	25	128	1	0	154	9	56	1	0	66	377
9:45 AM	8	82	0	0	90	23	42	0	0	65	20	109	0	0	129	8	34	2	0	44	328
Total	33	322	0	0	355	111	151	4	0	266	96	499	1	0	596	33	214	5	0	252	1469
Grand Total	66	1072	1	0	1139	284	485	8	0	777	267	1363	2	0	1632	72	618	7	0	697	4245
Approach %	5.8	94.1	0.1	0.0		36.6	62.4	1.0	0.0		16.4	83.5	0.1	0.0		10.3	88.7	1.0	0.0		
Total %	1.6	25.3	0.0	0.0	26.8	6.7	11.4	0.2	0.0	18.3	6.3	32.1	0.0	0.0	38.4	1.7	14.6	0.2	0.0	16.4	
Exiting Leg Total	1654					886					1152					553					4245

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:45 AM	5	86	0	0	91	27	52	2	0	81	16	121	0	0	137	4	68	0	0	72	381
9:00 AM	9	81	0	0	90	33	51	3	0	87	24	131	0	0	155	10	70	1	0	81	413
9:15 AM	6	75	0	0	81	25	26	0	0	51	27	131	0	0	158	6	54	1	0	61	351
9:30 AM	10	84	0	0	94	30	32	1	0	63	25	128	1	0	154	9	56	1	0	66	377
Total Volume	30	326	0	0	356	115	161	6	0	282	92	511	1	0	604	29	248	3	0	280	1522
% Approach Total	8.4	91.6	0.0	0.0		40.8	57.1	2.1	0.0		15.2	84.6	0.2	0.0		10.4	88.6	1.1	0.0		
PHF	0.750	0.948	0.000	0.000	0.947	0.871	0.774	0.500	0.000	0.810	0.852	0.975	0.250	0.000	0.956	0.725	0.886	0.750	0.000	0.864	0.921
Entering Leg	30	326	0	0	356	115	161	6	0	282	92	511	1	0	604	29	248	3	0	280	1522
Exiting Leg	629					340					361					192					1522
Total	985					622					965					472					3044

PDI File #: 186591-9  
 Location: N: Prospect Street S: Central Square  
 Location: E: Massachusetts Ave W: Massachusetts Ave  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class: Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	5	0	0	5	1	5	0	0	6	8	4	0	1	13	0	5	0	0	5	29
7:15 AM	1	5	0	0	6	4	8	1	0	13	11	9	0	0	20	1	9	0	0	10	49
7:30 AM	0	6	0	0	6	2	15	0	0	17	7	7	0	0	14	0	9	0	0	9	46
7:45 AM	1	11	0	0	12	3	6	0	0	9	10	6	0	0	16	1	9	0	0	10	47
<b>Total</b>	<b>2</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>10</b>	<b>34</b>	<b>1</b>	<b>0</b>	<b>45</b>	<b>36</b>	<b>26</b>	<b>0</b>	<b>1</b>	<b>63</b>	<b>2</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>171</b>
8:00 AM	1	7	0	0	8	3	14	0	0	17	11	9	0	0	20	2	7	0	0	9	54
8:15 AM	1	9	1	0	11	2	13	0	0	15	6	10	0	0	16	0	11	1	0	12	54
8:30 AM	0	6	0	0	6	1	11	0	0	12	10	11	0	0	21	0	8	0	0	8	47
8:45 AM	2	4	0	0	6	2	10	0	0	12	8	7	0	0	15	0	7	0	0	7	40
<b>Total</b>	<b>4</b>	<b>26</b>	<b>1</b>	<b>0</b>	<b>31</b>	<b>8</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>56</b>	<b>35</b>	<b>37</b>	<b>0</b>	<b>0</b>	<b>72</b>	<b>2</b>	<b>33</b>	<b>1</b>	<b>0</b>	<b>36</b>	<b>195</b>
9:00 AM	3	9	0	0	12	0	12	1	0	13	6	5	0	0	11	0	8	0	0	8	44
9:15 AM	0	2	0	0	2	4	6	0	0	10	10	8	0	0	18	1	4	0	0	5	35
9:30 AM	0	3	0	0	3	0	6	0	0	6	10	9	0	0	19	0	10	0	0	10	38
9:45 AM	0	4	0	0	4	2	18	0	0	20	5	6	0	0	11	0	7	0	0	7	42
<b>Total</b>	<b>3</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>6</b>	<b>42</b>	<b>1</b>	<b>0</b>	<b>49</b>	<b>31</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>59</b>	<b>1</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>159</b>
Grand Total	9	71	1	0	81	24	124	2	0	150	102	91	0	1	194	5	94	1	0	100	525
Approach %	11.1	87.7	1.2	0.0		16.0	82.7	1.3	0.0		52.6	46.9	0.0	0.5		5.0	94.0	1.0	0.0		
Total %	1.7	13.5	0.2	0.0	15.4	4.6	23.6	0.4	0.0	28.6	19.4	17.3	0.0	0.2	37.0	1.0	17.9	0.2	0.0	19.0	
Exiting Leg Total	116					197					79					133					525
Buses	1	28	0	0	29	5	46	0	0	51	53	42	0	0	95	0	39	1	0	40	215
% Buses	11.1	39.4	0.0	0.0	35.8	20.8	37.1	0.0	0.0	34.0	52.0	46.2	0.0	0.0	49.0	0.0	41.5	100.0	0.0	40.0	41.0
Exiting Leg Total	48					92					28					47					215
Single-Unit Trucks	8	38	1	0	47	18	66	2	0	86	45	44	0	1	90	2	44	0	0	46	269
% Single-Unit	88.9	53.5	100.0	0.0	58.0	75.0	53.2	100.0	0.0	57.3	44.1	48.4	0.0	100.0	46.4	40.0	46.8	0.0	0.0	46.0	51.2
Exiting Leg Total	62					90					43					74					269
Articulated Trucks	0	5	0	0	5	1	12	0	0	13	4	5	0	0	9	3	11	0	0	14	41
% Articulated	0.0	7.0	0.0	0.0	6.2	4.2	9.7	0.0	0.0	8.7	3.9	5.5	0.0	0.0	4.6	60.0	11.7	0.0	0.0	14.0	7.8
Exiting Leg Total	6					15					8					12					41

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:45 AM	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:45 AM	1	11	0	0	12	3	6	0	0	9	10	6	0	0	16	1	9	0	0	10	47
8:00 AM	1	7	0	0	8	3	14	0	0	17	11	9	0	0	20	2	7	0	0	9	54
8:15 AM	1	9	1	0	11	2	13	0	0	15	6	10	0	0	16	0	11	1	0	12	54
8:30 AM	0	6	0	0	6	1	11	0	0	12	10	11	0	0	21	0	8	0	0	8	47
Total Volume	3	33	1	0	37	9	44	0	0	53	37	36	0	0	73	3	35	1	0	39	202
% Approach Total	8.1	89.2	2.7	0.0		17.0	83.0	0.0	0.0		50.7	49.3	0.0	0.0		7.7	89.7	2.6	0.0		
PHF	0.750	0.750	0.250	0.000	0.771	0.750	0.786	0.000	0.000	0.779	0.841	0.818	0.000	0.000	0.869	0.375	0.795	0.250	0.000	0.813	0.935
Buses	1	11	0	0	12	1	14	0	0	15	22	20	0	0	42	0	14	1	0	15	84
Buses %	33.3	33.3	0.0	0.0	32.4	11.1	31.8	0.0	0.0	28.3	59.5	55.6	0.0	0.0	57.5	0.0	40.0	100.0	0.0	38.5	41.6
Single-Unit Trucks	2	18	1	0	21	7	26	0	0	33	14	16	0	0	30	1	15	0	0	16	100
Single-Unit %	66.7	54.5	100.0	0.0	56.8	77.8	59.1	0.0	0.0	62.3	37.8	44.4	0.0	0.0	41.1	33.3	42.9	0.0	0.0	41.0	49.5
Articulated Trucks	0	4	0	0	4	1	4	0	0	5	1	0	0	0	1	2	6	0	0	8	18
Articulated %	0.0	12.1	0.0	0.0	10.8	11.1	9.1	0.0	0.0	9.4	2.7	0.0	0.0	0.0	1.4	66.7	17.1	0.0	0.0	20.5	8.9
Buses	1	11	0	0	12	1	14	0	0	15	22	20	0	0	42	0	14	1	0	15	84
Single-Unit Trucks	2	18	1	0	21	7	26	0	0	33	14	16	0	0	30	1	15	0	0	16	100
Articulated Trucks	0	4	0	0	4	1	4	0	0	5	1	0	0	0	1	2	6	0	0	8	18
Total Entering Leg	3	33	1	0	37	9	44	0	0	53	37	36	0	0	73	3	35	1	0	39	202
Buses	22					36					11					15					84
Single-Unit Trucks	23					30					19					28					100
Articulated Trucks	1					7					6					4					18
Total Exiting Leg	46					73					36					47					202

PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	5	95	0	0	100	15	31	0	0	46	23	93	1	0	117	4	34	0	0	38	301
7:15 AM	3	86	0	0	89	14	29	0	0	43	23	79	0	0	102	5	45	1	0	51	285
7:30 AM	1	91	0	0	92	12	33	1	0	46	17	92	0	0	109	6	46	0	0	52	299
7:45 AM	1	87	0	0	88	24	40	0	0	64	25	104	0	0	129	4	44	0	0	48	329
Total	10	359	0	0	369	65	133	1	0	199	88	368	1	0	457	19	169	1	0	189	1214
8:00 AM	5	90	0	0	95	21	40	1	0	62	19	106	0	0	125	2	48	0	0	50	332
8:15 AM	5	84	0	0	89	19	42	0	0	61	23	100	0	0	123	4	38	0	0	42	315
8:30 AM	5	83	0	0	88	23	27	0	0	50	18	102	0	0	120	7	49	0	0	56	314
8:45 AM	4	82	0	0	86	26	45	2	0	73	15	112	0	0	127	3	62	0	0	65	351
Total	19	339	0	0	358	89	154	3	0	246	75	420	0	0	495	16	197	0	0	213	1312
9:00 AM	6	77	0	0	83	28	45	3	0	76	23	116	0	0	139	9	64	0	0	73	371
9:15 AM	6	69	0	0	75	20	24	0	0	44	26	120	0	0	146	5	43	1	0	49	314
9:30 AM	8	76	0	0	84	27	30	1	0	58	23	108	1	0	132	9	51	1	0	61	335
9:45 AM	7	71	0	0	78	21	41	0	0	62	20	96	0	0	116	8	31	2	0	41	297
Total	27	293	0	0	320	96	140	4	0	240	92	440	1	0	533	31	189	4	0	224	1317
Grand Total	56	991	0	0	1047	250	427	8	0	685	255	1228	2	0	1485	66	555	5	0	626	3843
Approach %	5.3	94.7	0.0	0.0		36.5	62.3	1.2	0.0		17.2	82.7	0.1	0.0		10.5	88.7	0.8	0.0		
Total %	1.5	25.8	0.0	0.0	27.2	6.5	11.1	0.2	0.0	17.8	6.6	32.0	0.1	0.0	38.6	1.7	14.4	0.1	0.0	16.3	
Exiting Leg Total	1483					810					1065					485					3843

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:45 AM	4	82	0	0	86	26	45	2	0	73	15	112	0	0	127	3	62	0	0	65	351
9:00 AM	6	77	0	0	83	28	45	3	0	76	23	116	0	0	139	9	64	0	0	73	371
9:15 AM	6	69	0	0	75	20	24	0	0	44	26	120	0	0	146	5	43	1	0	49	314
9:30 AM	8	76	0	0	84	27	30	1	0	58	23	108	1	0	132	9	51	1	0	61	335
Total Volume	24	304	0	0	328	101	144	6	0	251	87	456	1	0	544	26	220	2	0	248	1371
% Approach Total	7.3	92.7	0.0	0.0		40.2	57.4	2.4	0.0		16.0	83.8	0.2	0.0		10.5	88.7	0.8	0.0		
PHF	0.750	0.927	0.000	0.000	0.953	0.902	0.800	0.500	0.000	0.826	0.837	0.950	0.250	0.000	0.932	0.722	0.859	0.500	0.000	0.849	0.924
Entering Leg	24	304	0	0	328	101	144	6	0	251	87	456	1	0	544	26	220	2	0	248	1371
Exiting Leg	559					307					336					169					1371
Total	887					558					880					417					2742

PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Light Goods Vehicle**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	6	0	0	6	2	10	0	0	12	1	18	0	0	19	0	4	0	0	4	41
7:15 AM	1	11	0	0	12	1	3	0	0	4	1	9	0	0	10	2	5	0	0	7	33
7:30 AM	1	8	0	0	9	2	8	0	0	10	1	12	0	0	13	1	2	1	0	4	36
7:45 AM	1	4	0	0	5	2	5	0	0	7	0	11	0	0	11	0	5	0	0	5	28
<b>Total</b>	<b>3</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>7</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>3</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>3</b>	<b>16</b>	<b>1</b>	<b>0</b>	<b>20</b>	<b>138</b>
8:00 AM	0	4	1	0	5	3	5	0	0	8	0	5	0	0	5	0	6	0	0	6	24
8:15 AM	0	7	0	0	7	4	7	0	0	11	3	8	0	0	11	0	5	0	0	5	34
8:30 AM	0	8	0	0	8	4	2	0	0	6	0	4	0	0	4	0	3	0	0	3	21
8:45 AM	1	3	0	0	4	1	7	0	0	8	1	9	0	0	10	1	6	0	0	7	29
<b>Total</b>	<b>1</b>	<b>22</b>	<b>1</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>4</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>108</b>
9:00 AM	3	4	0	0	7	5	6	0	0	11	1	15	0	0	16	1	6	1	0	8	42
9:15 AM	0	6	0	0	6	5	2	0	0	7	1	11	0	0	12	1	10	0	0	11	36
9:30 AM	2	8	0	0	10	3	2	0	0	5	2	20	0	0	22	0	5	0	0	5	42
9:45 AM	1	11	0	0	12	2	1	0	0	3	0	13	0	0	13	0	3	0	0	3	31
<b>Total</b>	<b>6</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>15</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>4</b>	<b>59</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>2</b>	<b>24</b>	<b>1</b>	<b>0</b>	<b>27</b>	<b>151</b>
Grand Total	10	80	1	0	91	34	58	0	0	92	11	135	0	0	146	6	60	2	0	68	397
Approach %	11.0	87.9	1.1	0.0		37.0	63.0	0.0	0.0		7.5	92.5	0.0	0.0		8.8	88.2	2.9	0.0		
Total %	2.5	20.2	0.3	0.0	22.9	8.6	14.6	0.0	0.0	23.2	2.8	34.0	0.0	0.0	36.8	1.5	15.1	0.5	0.0	17.1	
Exiting Leg Total	171					72					86					68					397

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	3	4	0	0	7	5	6	0	0	11	1	15	0	0	16	1	6	1	0	8	42
9:15 AM	0	6	0	0	6	5	2	0	0	7	1	11	0	0	12	1	10	0	0	11	36
9:30 AM	2	8	0	0	10	3	2	0	0	5	2	20	0	0	22	0	5	0	0	5	42
9:45 AM	1	11	0	0	12	2	1	0	0	3	0	13	0	0	13	0	3	0	0	3	31
<b>Total Volume</b>	<b>6</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>15</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>4</b>	<b>59</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>2</b>	<b>24</b>	<b>1</b>	<b>0</b>	<b>27</b>	<b>151</b>
% Approach Total	17.1	82.9	0.0	0.0		57.7	42.3	0.0	0.0		6.3	93.7	0.0	0.0		7.4	88.9	3.7	0.0		
PHF	0.500	0.659	0.000	0.000	0.729	0.750	0.458	0.000	0.000	0.591	0.500	0.738	0.000	0.000	0.716	0.500	0.600	0.250	0.000	0.614	0.899
Entering Leg	6	29	0	0	35	15	11	0	0	26	4	59	0	0	63	2	24	1	0	27	151
Exiting Leg	75					28					31					17					151
<b>Total</b>	<b>110</b>					<b>54</b>					<b>94</b>					<b>44</b>					<b>302</b>

PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	2	0	0	2	0	3	0	0	3	3	1	0	0	4	0	2	0	0	2	11
7:15 AM	0	3	0	0	3	1	5	0	0	6	4	4	0	0	8	0	3	0	0	3	20
7:30 AM	0	3	0	0	3	1	4	0	0	5	2	3	0	0	5	0	2	0	0	2	15
7:45 AM	0	2	0	0	2	0	1	0	0	1	6	3	0	0	9	0	5	0	0	5	17
<b>Total</b>	0	10	0	0	10	2	13	0	0	15	15	11	0	0	26	0	12	0	0	12	63
8:00 AM	0	4	0	0	4	1	4	0	0	5	6	4	0	0	10	0	2	0	0	2	21
8:15 AM	1	4	0	0	5	0	5	0	0	5	3	4	0	0	7	0	4	1	0	5	22
8:30 AM	0	1	0	0	1	0	4	0	0	4	7	9	0	0	16	0	3	0	0	3	24
8:45 AM	0	0	0	0	0	0	3	0	0	3	3	5	0	0	8	0	4	0	0	4	15
<b>Total</b>	1	9	0	0	10	1	16	0	0	17	19	22	0	0	41	0	13	1	0	14	82
9:00 AM	0	5	0	0	5	0	4	0	0	4	4	3	0	0	7	0	4	0	0	4	20
9:15 AM	0	0	0	0	0	2	1	0	0	3	6	3	0	0	9	0	3	0	0	3	15
9:30 AM	0	3	0	0	3	0	3	0	0	3	5	2	0	0	7	0	3	0	0	3	16
9:45 AM	0	1	0	0	1	0	9	0	0	9	4	1	0	0	5	0	4	0	0	4	19
<b>Total</b>	0	9	0	0	9	2	17	0	0	19	19	9	0	0	28	0	14	0	0	14	70
<b>Grand Total</b>	1	28	0	0	29	5	46	0	0	51	53	42	0	0	95	0	39	1	0	40	215
Approach %	3.4	96.6	0.0	0.0		9.8	90.2	0.0	0.0		55.8	44.2	0.0	0.0		0.0	97.5	2.5	0.0		
Total %	0.5	13.0	0.0	0.0	13.5	2.3	21.4	0.0	0.0	23.7	24.7	19.5	0.0	0.0	44.2	0.0	18.1	0.5	0.0	18.6	
Exiting Leg Total	48					92					28					47					215

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:45 AM	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:45 AM	0	2	0	0	2	0	1	0	0	1	6	3	0	0	9	0	5	0	0	5	17
8:00 AM	0	4	0	0	4	1	4	0	0	5	6	4	0	0	10	0	2	0	0	2	21
8:15 AM	1	4	0	0	5	0	5	0	0	5	3	4	0	0	7	0	4	1	0	5	22
8:30 AM	0	1	0	0	1	0	4	0	0	4	7	9	0	0	16	0	3	0	0	3	24
Total Volume	1	11	0	0	12	1	14	0	0	15	22	20	0	0	42	0	14	1	0	15	84
% Approach Total	8.3	91.7	0.0	0.0		6.7	93.3	0.0	0.0		52.4	47.6	0.0	0.0		0.0	93.3	6.7	0.0		
PHF	0.250	0.688	0.000	0.000	0.600	0.250	0.700	0.000	0.000	0.750	0.786	0.556	0.000	0.000	0.656	0.000	0.700	0.250	0.000	0.750	0.875
Entering Leg	1	11	0	0	12	1	14	0	0	15	22	20	0	0	42	0	14	1	0	15	84
Exiting Leg	22					36					11					15					84
Total	34					51					53					30					168

PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
7:00 AM	0	3	0	0	3	1	2	0	0	3	4	2	0	1	7	0	2	0	0	2	15	
7:15 AM	1	2	0	0	3	3	2	1	0	6	6	5	0	0	11	0	5	0	0	5	25	
7:30 AM	0	3	0	0	3	1	8	0	0	9	5	3	0	0	8	0	5	0	0	5	25	
7:45 AM	1	6	0	0	7	2	5	0	0	7	4	3	0	0	7	0	3	0	0	3	24	
<b>Total</b>	<b>2</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>7</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>25</b>	<b>19</b>	<b>13</b>	<b>0</b>	<b>1</b>	<b>33</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>89</b>	
8:00 AM	1	3	0	0	4	2	9	0	0	11	4	5	0	0	9	1	4	0	0	5	29	
8:15 AM	0	5	1	0	6	2	6	0	0	8	3	6	0	0	9	0	5	0	0	5	28	
8:30 AM	0	4	0	0	4	1	6	0	0	7	3	2	0	0	5	0	3	0	0	3	19	
8:45 AM	2	4	0	0	6	2	7	0	0	9	5	2	0	0	7	0	3	0	0	3	25	
<b>Total</b>	<b>3</b>	<b>16</b>	<b>1</b>	<b>0</b>	<b>20</b>	<b>7</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>1</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>101</b>	
9:00 AM	3	4	0	0	7	0	7	1	0	8	2	2	0	0	4	0	4	0	0	4	23	
9:15 AM	0	2	0	0	2	2	3	0	0	5	3	4	0	0	7	1	0	0	0	1	15	
9:30 AM	0	0	0	0	0	0	3	0	0	3	5	5	0	0	10	0	7	0	0	7	20	
9:45 AM	0	2	0	0	2	2	8	0	0	10	1	5	0	0	6	0	3	0	0	3	21	
<b>Total</b>	<b>3</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>4</b>	<b>21</b>	<b>1</b>	<b>0</b>	<b>26</b>	<b>11</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>1</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>79</b>	
<b>Grand Total</b>	<b>8</b>	<b>38</b>	<b>1</b>	<b>0</b>	<b>47</b>	<b>18</b>	<b>66</b>	<b>2</b>	<b>0</b>	<b>86</b>	<b>45</b>	<b>44</b>	<b>0</b>	<b>1</b>	<b>90</b>	<b>2</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>269</b>	
Approach %	17.0	80.9	2.1	0.0		20.9	76.7	2.3	0.0		50.0	48.9	0.0	1.1		4.3	95.7	0.0	0.0			
Total %	3.0	14.1	0.4	0.0	17.5	6.7	24.5	0.7	0.0	32.0	16.7	16.4	0.0	0.4	33.5	0.7	16.4	0.0	0.0	17.1		
Exiting Leg Total						62					90					43					74	269

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
7:30 AM	0	3	0	0	3	1	8	0	0	9	5	3	0	0	8	0	5	0	0	5	25	
7:45 AM	1	6	0	0	7	2	5	0	0	7	4	3	0	0	7	0	3	0	0	3	24	
8:00 AM	1	3	0	0	4	2	9	0	0	11	4	5	0	0	9	1	4	0	0	5	29	
8:15 AM	0	5	1	0	6	2	6	0	0	8	3	6	0	0	9	0	5	0	0	5	28	
<b>Total Volume</b>	<b>2</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>20</b>	<b>7</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>16</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>1</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>106</b>	
<b>% Approach Total</b>	<b>10.0</b>	<b>85.0</b>	<b>5.0</b>	<b>0.0</b>		<b>20.0</b>	<b>80.0</b>	<b>0.0</b>	<b>0.0</b>		<b>48.5</b>	<b>51.5</b>	<b>0.0</b>	<b>0.0</b>		<b>5.6</b>	<b>94.4</b>	<b>0.0</b>	<b>0.0</b>			
PHF	0.500	0.708	0.250	0.000	0.714	0.875	0.778	0.000	0.000	0.795	0.800	0.708	0.000	0.000	0.917	0.250	0.850	0.000	0.000	0.900	0.914	
Entering Leg	2	17	1	0	20	7	28	0	0	35	16	17	0	0	33	1	17	0	0	18	106	
Exiting Leg						24					34					18					30	106
<b>Total</b>						44					69					51					48	212

PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	1	0	0	1	3
7:15 AM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	1	1	0	0	2	4
7:30 AM	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	0	2	0	0	2	6
7:45 AM	0	3	0	0	3	1	0	0	0	1	0	0	0	0	0	1	1	0	0	2	6
<b>Total</b>	0	3	0	0	3	1	4	0	0	5	2	2	0	0	4	2	5	0	0	7	19
8:00 AM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	1	1	0	0	2	4
8:15 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	4
8:30 AM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	4
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	1	0	0	1	0	4	0	0	4	1	0	0	0	1	1	5	0	0	6	12
9:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
9:15 AM	0	0	0	0	0	0	2	0	0	2	1	1	0	0	2	0	1	0	0	1	5
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
9:45 AM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	0	1	0	0	1	0	4	0	0	4	1	3	0	0	4	0	1	0	0	1	10
<b>Grand Total</b>	0	5	0	0	5	1	12	0	0	13	4	5	0	0	9	3	11	0	0	14	41
Approach %	0.0	100.0	0.0	0.0		7.7	92.3	0.0	0.0		44.4	55.6	0.0	0.0		21.4	78.6	0.0	0.0		
Total %	0.0	12.2	0.0	0.0	12.2	2.4	29.3	0.0	0.0	31.7	9.8	12.2	0.0	0.0	22.0	7.3	26.8	0.0	0.0	34.1	
Exiting Leg Total	6					15					8					12					41

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:15 AM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	1	1	0	0	2	4
7:30 AM	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	0	2	0	0	2	6
7:45 AM	0	3	0	0	3	1	0	0	0	1	0	0	0	0	0	1	1	0	0	2	6
8:00 AM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	1	1	0	0	2	4
<b>Total Volume</b>	0	3	0	0	3	1	5	0	0	6	2	1	0	0	3	3	5	0	0	8	20
% Approach Total	0.0	100.0	0.0	0.0		16.7	83.3	0.0	0.0		66.7	33.3	0.0	0.0		37.5	62.5	0.0	0.0		
PHF	0.000	0.250	0.000	0.000	0.250	0.250	0.417	0.000	0.000	0.500	0.500	0.250	0.000	0.000	0.750	0.750	0.625	0.000	0.000	1.000	0.833
Entering Leg	0	3	0	0	3	1	5	0	0	6	2	1	0	0	3	3	5	0	0	8	20
Exiting Leg	2					7					6					5					20
<b>Total</b>	5					13					9					13					40

PDI File #: 186591-9  
 Location: N: Prospect Street S: Central Square  
 Location: E: Massachusetts Ave W: Massachusetts Ave  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Prospect Street							Massachusetts Ave							Central Square							Massachusetts Ave							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	1	0	0	0	0	1	1	3	0	0	0	0	4	0	1	0	0	0	0	1	0	3	0	0	0	3	9	
7:15 AM	0	1	0	0	0	0	1	1	3	0	0	0	0	4	3	2	0	0	0	0	5	0	9	0	0	0	0	19	
7:30 AM	0	2	0	0	0	0	2	0	1	1	0	0	0	2	1	2	0	0	0	0	3	1	14	0	0	0	0	22	
7:45 AM	0	2	0	0	0	0	2	2	4	0	0	0	0	6	0	4	0	0	0	0	4	0	12	0	0	0	0	24	
Total	0	6	0	0	0	0	6	4	11	1	0	0	0	16	4	9	0	0	0	0	13	1	38	0	0	0	0	74	
8:00 AM	0	3	0	0	0	0	3	1	10	0	0	0	0	11	0	5	0	0	0	0	5	0	22	0	0	0	0	41	
8:15 AM	0	5	0	0	0	0	5	0	10	0	0	0	0	10	0	9	0	0	0	0	9	0	34	0	0	0	0	58	
8:30 AM	0	2	0	0	1	0	3	0	13	0	0	0	0	13	0	1	0	0	0	0	1	0	32	0	0	0	0	49	
8:45 AM	0	3	0	0	0	2	5	1	8	0	0	0	0	9	0	1	0	0	0	0	1	0	26	0	0	0	0	41	
Total	0	13	0	0	1	2	16	2	41	0	0	0	0	43	0	16	0	0	0	0	16	0	114	0	0	0	0	189	
9:00 AM	0	7	0	0	0	0	7	1	4	0	0	1	0	6	0	7	0	0	0	0	7	0	17	0	0	0	0	37	
9:15 AM	0	1	0	0	0	0	1	2	9	0	0	0	0	11	0	5	0	0	0	0	5	0	14	0	0	0	1	32	
9:30 AM	0	0	0	0	0	0	0	1	7	0	0	0	0	8	1	2	0	0	0	0	3	0	8	0	0	0	0	19	
9:45 AM	0	2	0	0	2	0	4	0	6	0	0	0	0	6	0	3	0	0	0	0	3	0	6	0	0	1	0	20	
Total	0	10	0	0	2	0	12	4	26	0	0	1	0	31	1	17	0	0	0	0	18	0	45	0	0	1	1	47	108
Grand Total	0	29	0	0	3	2	34	10	78	1	0	1	0	90	5	42	0	0	0	0	47	1	197	0	0	1	1	200	371
Approach %	0.0	85.3	0.0	0.0	8.8	5.9		11.1	86.7	1.1	0.0	1.1	0.0		10.6	89.4	0.0	0.0	0.0	0.0		0.5	98.5	0.0	0.0	0.5	0.5		
Total %	0.0	7.8	0.0	0.0	0.8	0.5	9.2	2.7	21.0	0.3	0.0	0.3	0.0	24.3	1.3	11.3	0.0	0.0	0.0	0.0	12.7	0.3	53.1	0.0	0.0	0.3	0.3	53.9	
Exiting Leg Total	57							203							31							80							371

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Prospect Street							Massachusetts Ave							Central Square							Massachusetts Ave							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:00 AM	0	3	0	0	0	0	3	1	10	0	0	0	0	11	0	5	0	0	0	0	5	0	22	0	0	0	0	22	41
8:15 AM	0	5	0	0	0	0	5	0	10	0	0	0	0	10	0	9	0	0	0	0	9	0	34	0	0	0	0	34	58
8:30 AM	0	2	0	0	1	0	3	0	13	0	0	0	0	13	0	1	0	0	0	0	1	0	32	0	0	0	0	32	49
8:45 AM	0	3	0	0	0	2	5	1	8	0	0	0	0	9	0	1	0	0	0	0	1	0	26	0	0	0	0	26	41
Total Volume	0	13	0	0	1	2	16	2	41	0	0	0	0	43	0	16	0	0	0	0	16	0	114	0	0	0	0	114	189
% Approach Total	0.0	81.3	0.0	0.0	6.3	12.5		4.7	95.3	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0	0.0	0.0		
PHF	0.000	0.650	0.000	0.000	0.250	0.250	0.800	0.500	0.788	0.000	0.000	0.000	0.000	0.827	0.000	0.444	0.000	0.000	0.000	0.000	0.444	0.000	0.838	0.000	0.000	0.000	0.000	0.838	0.815
Entering Leg	0	13	0	0	1	2	16	2	41	0	0	0	0	43	0	16	0	0	0	0	16	0	114	0	0	0	0	114	189
Exiting Leg	21							114							13							41							189
Total	37							157							29							155							378



PDI File #: 186591-9  
 Location: N: Prospect Street S: Central Square  
 Location: E: Massachusetts Ave W: Massachusetts Ave  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Prospect Street							Massachusetts Ave							Central Square							Massachusetts Ave							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	11	21	32	0	0	0	0	33	26	59	0	0	0	0	11	30	41	0	0	0	0	3	23	26	158
7:15 AM	0	0	0	0	23	21	44	0	0	0	0	26	23	49	0	0	0	0	28	15	43	0	0	0	0	14	27	41	177
7:30 AM	0	0	0	0	27	32	59	0	0	0	0	34	34	68	0	0	0	0	18	31	49	0	0	0	0	18	44	62	238
7:45 AM	0	0	0	0	46	34	80	0	0	0	0	53	14	67	0	0	0	0	31	35	66	0	0	0	0	17	44	61	274
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>107</b>	<b>108</b>	<b>215</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>146</b>	<b>97</b>	<b>243</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>88</b>	<b>111</b>	<b>199</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>138</b>	<b>190</b>	<b>847</b>
8:00 AM	0	0	0	0	45	63	108	0	0	0	0	39	41	80	0	0	0	0	35	43	78	0	0	0	0	26	50	76	342
8:15 AM	0	0	0	0	61	55	116	0	0	0	0	63	32	95	0	0	0	0	37	31	68	0	0	0	0	41	67	108	387
8:30 AM	0	0	0	0	67	49	116	0	0	0	0	42	52	94	0	0	0	0	36	49	85	0	0	0	0	31	46	77	372
8:45 AM	0	0	0	0	61	53	114	0	0	0	0	64	35	99	0	0	0	0	22	41	63	0	0	0	0	31	54	85	361
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>234</b>	<b>220</b>	<b>454</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>208</b>	<b>160</b>	<b>368</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>130</b>	<b>164</b>	<b>294</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>129</b>	<b>217</b>	<b>346</b>	<b>1462</b>
9:00 AM	0	0	0	0	64	57	121	0	0	0	0	39	24	63	0	0	0	0	14	26	40	0	0	0	0	29	43	72	296
9:15 AM	0	0	0	0	47	39	86	0	0	0	0	22	22	44	0	0	0	0	32	37	69	0	0	0	0	23	27	50	249
9:30 AM	0	0	0	0	53	47	100	0	0	0	0	68	17	85	0	0	0	0	31	38	69	0	0	0	0	17	51	68	322
9:45 AM	0	0	0	0	56	53	109	0	0	0	0	37	27	64	0	0	0	0	20	36	56	0	0	0	0	26	33	59	288
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>220</b>	<b>196</b>	<b>416</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>166</b>	<b>90</b>	<b>256</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>97</b>	<b>137</b>	<b>234</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>95</b>	<b>154</b>	<b>249</b>	<b>1155</b>
<b>Grand Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>561</b>	<b>524</b>	<b>1085</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>520</b>	<b>347</b>	<b>867</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>315</b>	<b>412</b>	<b>727</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>276</b>	<b>509</b>	<b>785</b>	<b>3464</b>
Approach %	0	0	0	0	51.7	48.3		0	0	0	0	60	40		0	0	0	0	43.3	56.7		0	0	0	0	35.2	64.8		
Total %	0	0	0	0	16.2	15.1	31.3	0	0	0	0	15	10	25	0	0	0	0	9.09	11.9	21	0	0	0	0	7.97	14.7	22.7	
Exiting Leg Total	1085							867							727							785							3464

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Prospect Street							Massachusetts Ave							Central Square							Massachusetts Ave							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:00 AM	0	0	0	0	45	63	108	0	0	0	0	39	41	80	0	0	0	0	35	43	78	0	0	0	0	26	50	76	342
8:15 AM	0	0	0	0	61	55	116	0	0	0	0	63	32	95	0	0	0	0	37	31	68	0	0	0	0	41	67	108	387
8:30 AM	0	0	0	0	67	49	116	0	0	0	0	42	52	94	0	0	0	0	36	49	85	0	0	0	0	31	46	77	372
8:45 AM	0	0	0	0	61	53	114	0	0	0	0	64	35	99	0	0	0	0	22	41	63	0	0	0	0	31	54	85	361
<b>Total Volume</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>234</b>	<b>220</b>	<b>454</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>208</b>	<b>160</b>	<b>368</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>130</b>	<b>164</b>	<b>294</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>129</b>	<b>217</b>	<b>346</b>	<b>1462</b>
% Approach Total	0.0	0.0	0.0	0.0	51.5	48.5		0.0	0.0	0.0	0.0	56.5	43.5		0.0	0.0	0.0	0.0	44.2	55.8		0.0	0.0	0.0	0.0	37.3	62.7		
PHF	0.000	0.000	0.000	0.000	0.873	0.873	0.978	0.000	0.000	0.000	0.000	0.813	0.769	0.929	0.000	0.000	0.000	0.000	0.878	0.837	0.865	0.000	0.000	0.000	0.000	0.787	0.810	0.801	0.944
Entering Leg	0	0	0	0	234	220	454	0	0	0	0	208	160	368	0	0	0	0	130	164	294	0	0	0	0	129	217	346	1462
Exiting Leg	454							368							294							346							1462
<b>Total</b>	<b>908</b>							<b>736</b>							<b>588</b>							<b>692</b>							<b>2924</b>

PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	5	93	0	0	98	22	85	0	0	107	36	118	0	0	154	7	55	1	0	63	422
4:45 PM	10	95	0	0	105	25	69	0	0	94	41	107	0	0	148	6	61	0	0	67	414
Total	15	188	0	0	203	47	154	0	0	201	77	225	0	0	302	13	116	1	0	130	836
5:00 PM	12	82	0	0	94	23	75	0	0	98	32	111	0	0	143	8	59	1	0	68	403
5:15 PM	5	107	1	0	113	21	80	0	0	101	35	102	1	0	138	8	63	1	0	72	424
5:30 PM	10	96	0	0	106	23	67	0	0	90	37	111	0	0	148	1	61	1	0	63	407
5:45 PM	6	105	0	0	111	12	78	0	0	90	30	97	0	0	127	4	51	0	0	55	383
Total	33	390	1	0	424	79	300	0	0	379	134	421	1	0	556	21	234	3	0	258	1617
6:00 PM	7	110	0	0	117	13	77	2	0	92	35	114	0	0	149	9	58	1	0	68	426
6:15 PM	6	92	0	0	98	24	67	1	0	92	43	120	0	0	163	9	54	3	0	66	419
6:30 PM	9	107	0	0	116	19	64	0	0	83	38	122	0	0	160	8	60	0	0	68	427
6:45 PM	10	106	0	0	116	21	64	0	0	85	41	124	0	0	165	13	57	0	0	70	436
Total	32	415	0	0	447	77	272	3	0	352	157	480	0	0	637	39	229	4	0	272	1708
7:00 PM	16	85	1	0	102	19	55	0	0	74	34	112	1	0	147	5	69	2	0	76	399
7:15 PM	9	85	0	0	94	21	53	0	0	74	40	114	1	0	155	8	63	1	0	72	395
Total	25	170	1	0	196	40	108	0	0	148	74	226	2	0	302	13	132	3	0	148	794
Grand Total	105	1163	2	0	1270	243	834	3	0	1080	442	1352	3	0	1797	86	711	11	0	808	4955
Approach %	8.3	91.6	0.2	0.0		22.5	77.2	0.3	0.0		24.6	75.2	0.2	0.0		10.6	88.0	1.4	0.0		
Total %	2.1	23.5	0.0	0.0	25.6	4.9	16.8	0.1	0.0	21.8	8.9	27.3	0.1	0.0	36.3	1.7	14.3	0.2	0.0	16.3	
Exiting Leg Total	1606					1155					1252					942					4955
Cars	102	1131	1	0	1234	237	780	3	0	1020	388	1314	3	0	1705	86	663	11	0	760	4719
% Cars	97.1	97.2	50.0	0.0	97.2	97.5	93.5	100.0	0.0	94.4	87.8	97.2	100.0	0.0	94.9	100.0	93.2	100.0	0.0	94.1	95.2
Exiting Leg Total	1562					1052					1220					885					4719
Heavy Vehicles	3	32	1	0	36	6	54	0	0	60	54	38	0	0	92	0	48	0	0	48	236
% Heavy Vehicles	2.9	2.8	50.0	0.0	2.8	2.5	6.5	0.0	0.0	5.6	12.2	2.8	0.0	0.0	5.1	0.0	6.8	0.0	0.0	5.9	4.8
Exiting Leg Total	44					103					32					57					236

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	7	110	0	0	117	13	77	2	0	92	35	114	0	0	149	9	58	1	0	68	426
6:15 PM	6	92	0	0	98	24	67	1	0	92	43	120	0	0	163	9	54	3	0	66	419
6:30 PM	9	107	0	0	116	19	64	0	0	83	38	122	0	0	160	8	60	0	0	68	427
6:45 PM	10	106	0	0	116	21	64	0	0	85	41	124	0	0	165	13	57	0	0	70	436
Total Volume	32	415	0	0	447	77	272	3	0	352	157	480	0	0	637	39	229	4	0	272	1708
% Approach Total	7.2	92.8	0.0	0.0		21.9	77.3	0.9	0.0		24.6	75.4	0.0	0.0		14.3	84.2	1.5	0.0		
PHF	0.800	0.943	0.000	0.000	0.955	0.802	0.883	0.375	0.000	0.957	0.913	0.968	0.000	0.000	0.965	0.750	0.954	0.333	0.000	0.971	0.979
Cars	30	401	0	0	431	75	251	3	0	329	138	468	0	0	606	39	210	4	0	253	1619
Cars %	93.8	96.6	0.0	0.0	96.4	97.4	92.3	100.0	0.0	93.5	87.9	97.5	0.0	0.0	95.1	100.0	91.7	100.0	0.0	93.0	94.8
Heavy Vehicles	2	14	0	0	16	2	21	0	0	23	19	12	0	0	31	0	19	0	0	19	89
Heavy Vehicles %	6.3	3.4	0.0	0.0	3.6	2.6	7.7	0.0	0.0	6.5	12.1	2.5	0.0	0.0	4.9	0.0	8.3	0.0	0.0	7.0	5.2
Cars Enter Leg	30	401	0	0	431	75	251	3	0	329	138	468	0	0	606	39	210	4	0	253	1619
Heavy Enter Leg	2	14	0	0	16	2	21	0	0	23	19	12	0	0	31	0	19	0	0	19	89
Total Entering Leg	32	415	0	0	447	77	272	3	0	352	157	480	0	0	637	39	229	4	0	272	1708
Cars Exiting Leg	547					348					443					281					1619
Heavy Exiting Leg	14					38					14					23					89
Total Exiting Leg	561					386					457					304					1708

PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	5	89	0	0	94	22	79	0	0	101	32	118	0	0	150	7	51	1	0	59	404
4:45 PM	10	94	0	0	104	23	66	0	0	89	37	103	0	0	140	6	55	0	0	61	394
Total	15	183	0	0	198	45	145	0	0	190	69	221	0	0	290	13	106	1	0	120	798
5:00 PM	11	79	0	0	90	22	74	0	0	96	25	106	0	0	131	8	53	1	0	62	379
5:15 PM	5	105	0	0	110	21	77	0	0	98	31	98	1	0	130	8	59	1	0	68	406
5:30 PM	10	96	0	0	106	22	61	0	0	83	32	108	0	0	140	1	57	1	0	59	388
5:45 PM	6	102	0	0	108	12	72	0	0	84	26	90	0	0	116	4	51	0	0	55	363
Total	32	382	0	0	414	77	284	0	0	361	114	402	1	0	517	21	220	3	0	244	1536
6:00 PM	5	110	0	0	115	13	68	2	0	83	30	112	0	0	142	9	50	1	0	60	400
6:15 PM	6	89	0	0	95	22	63	1	0	86	39	117	0	0	156	9	49	3	0	61	398
6:30 PM	9	103	0	0	112	19	60	0	0	79	34	120	0	0	154	8	57	0	0	65	410
6:45 PM	10	99	0	0	109	21	60	0	0	81	35	119	0	0	154	13	54	0	0	67	411
Total	30	401	0	0	431	75	251	3	0	329	138	468	0	0	606	39	210	4	0	253	1619
7:00 PM	16	82	1	0	99	19	51	0	0	70	30	112	1	0	143	5	67	2	0	74	386
7:15 PM	9	83	0	0	92	21	49	0	0	70	37	111	1	0	149	8	60	1	0	69	380
Total	25	165	1	0	191	40	100	0	0	140	67	223	2	0	292	13	127	3	0	143	766
Grand Total	102	1131	1	0	1234	237	780	3	0	1020	388	1314	3	0	1705	86	663	11	0	760	4719
Approach %	8.3	91.7	0.1	0.0		23.2	76.5	0.3	0.0		22.8	77.1	0.2	0.0		11.3	87.2	1.4	0.0		
Total %	2.2	24.0	0.0	0.0	26.1	5.0	16.5	0.1	0.0	21.6	8.2	27.8	0.1	0.0	36.1	1.8	14.0	0.2	0.0	16.1	
Exiting Leg Total	1562					1052					1220					885					4719

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	5	110	0	0	115	13	68	2	0	83	30	112	0	0	142	9	50	1	0	60	400
6:15 PM	6	89	0	0	95	22	63	1	0	86	39	117	0	0	156	9	49	3	0	61	398
6:30 PM	9	103	0	0	112	19	60	0	0	79	34	120	0	0	154	8	57	0	0	65	410
6:45 PM	10	99	0	0	109	21	60	0	0	81	35	119	0	0	154	13	54	0	0	67	411
Total Volume	30	401	0	0	431	75	251	3	0	329	138	468	0	0	606	39	210	4	0	253	1619
% Approach Total	7.0	93.0	0.0	0.0		22.8	76.3	0.9	0.0		22.8	77.2	0.0	0.0		15.4	83.0	1.6	0.0		
PHF	0.750	0.911	0.000	0.000	0.937	0.852	0.923	0.375	0.000	0.956	0.885	0.975	0.000	0.000	0.971	0.750	0.921	0.333	0.000	0.944	0.985
Entering Leg	30	401	0	0	431	75	251	3	0	329	138	468	0	0	606	39	210	4	0	253	1619
Exiting Leg	547					348					443					281					1619
Total	978					677					1049					534					3238

PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class: **Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**



46 Morton Street, Framingham, MA 01702  
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 Email: datarequests@pdillc.com

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	4	0	0	4	0	6	0	0	6	4	0	0	0	4	0	4	0	0	4	18
4:45 PM	0	1	0	0	1	2	3	0	0	5	4	4	0	0	8	0	6	0	0	6	20
<b>Total</b>	0	5	0	0	5	2	9	0	0	11	8	4	0	0	12	0	10	0	0	10	38
5:00 PM	1	3	0	0	4	1	1	0	0	2	7	5	0	0	12	0	6	0	0	6	24
5:15 PM	0	2	1	0	3	0	3	0	0	3	4	4	0	0	8	0	4	0	0	4	18
5:30 PM	0	0	0	0	0	1	6	0	0	7	5	3	0	0	8	0	4	0	0	4	19
5:45 PM	0	3	0	0	3	0	6	0	0	6	4	7	0	0	11	0	0	0	0	0	20
<b>Total</b>	1	8	1	0	10	2	16	0	0	18	20	19	0	0	39	0	14	0	0	14	81
6:00 PM	2	0	0	0	2	0	9	0	0	9	5	2	0	0	7	0	8	0	0	8	26
6:15 PM	0	3	0	0	3	2	4	0	0	6	4	3	0	0	7	0	5	0	0	5	21
6:30 PM	0	4	0	0	4	0	4	0	0	4	4	2	0	0	6	0	3	0	0	3	17
6:45 PM	0	7	0	0	7	0	4	0	0	4	6	5	0	0	11	0	3	0	0	3	25
<b>Total</b>	2	14	0	0	16	2	21	0	0	23	19	12	0	0	31	0	19	0	0	19	89
7:00 PM	0	3	0	0	3	0	4	0	0	4	4	0	0	0	4	0	2	0	0	2	13
7:15 PM	0	2	0	0	2	0	4	0	0	4	3	3	0	0	6	0	3	0	0	3	15
<b>Total</b>	0	5	0	0	5	0	8	0	0	8	7	3	0	0	10	0	5	0	0	5	28
<b>Grand Total</b>	3	32	1	0	36	6	54	0	0	60	54	38	0	0	92	0	48	0	0	48	236
Approach %	8.3	88.9	2.8	0.0		10.0	90.0	0.0	0.0		58.7	41.3	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	1.3	13.6	0.4	0.0	15.3	2.5	22.9	0.0	0.0	25.4	22.9	16.1	0.0	0.0	39.0	0.0	20.3	0.0	0.0	20.3	
Exiting Leg Total	44					103					32					57					236
Buses	1	18	0	0	19	2	41	0	0	43	45	31	0	0	76	0	42	0	0	42	180
% Buses	33.3	56.3	0.0	0.0	52.8	33.3	75.9	0.0	0.0	71.7	83.3	81.6	0.0	0.0	82.6	0.0	87.5	0.0	0.0	87.5	76.3
Exiting Leg Total	33					87					18					42					180
Single-Unit Trucks	2	14	1	0	17	4	11	0	0	15	6	7	0	0	13	0	6	0	0	6	51
% Single-Unit	66.7	43.8	100.0	0.0	47.2	66.7	20.4	0.0	0.0	25.0	11.1	18.4	0.0	0.0	14.1	0.0	12.5	0.0	0.0	12.5	21.6
Exiting Leg Total	11					13					14					13					51
Articulated Trucks	0	0	0	0	0	0	2	0	0	2	3	0	0	0	3	0	0	0	0	0	5
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	3.3	5.6	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	2.1
Exiting Leg Total	0					3					0					2					5

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

6:00 PM	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	2	0	0	0	2	0	9	0	0	9	5	2	0	0	7	0	8	0	0	8	26
6:15 PM	0	3	0	0	3	2	4	0	0	6	4	3	0	0	7	0	5	0	0	5	21
6:30 PM	0	4	0	0	4	0	4	0	0	4	4	2	0	0	6	0	3	0	0	3	17
6:45 PM	0	7	0	0	7	0	4	0	0	4	6	5	0	0	11	0	3	0	0	3	25
<b>Total Volume</b>	2	14	0	0	16	2	21	0	0	23	19	12	0	0	31	0	19	0	0	19	89
% Approach Total	12.5	87.5	0.0	0.0		8.7	91.3	0.0	0.0		61.3	38.7	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.250	0.500	0.000	0.000	0.571	0.250	0.583	0.000	0.000	0.639	0.792	0.600	0.000	0.000	0.705	0.000	0.594	0.000	0.000	0.594	0.856
Buses	1	7	0	0	8	0	16	0	0	16	14	11	0	0	25	0	18	0	0	18	67
Buses %	50.0	50.0	0.0	0.0	50.0	0.0	76.2	0.0	0.0	69.6	73.7	91.7	0.0	0.0	80.6	0.0	94.7	0.0	0.0	94.7	75.3
Single-Unit Trucks	1	7	0	0	8	2	4	0	0	6	3	1	0	0	4	0	1	0	0	1	19
Single-Unit %	50.0	50.0	0.0	0.0	50.0	100.0	19.0	0.0	0.0	26.1	15.8	8.3	0.0	0.0	12.9	0.0	5.3	0.0	0.0	5.3	21.3
Articulated Trucks	0	0	0	0	0	0	1	0	0	1	2	0	0	0	2	0	0	0	0	0	3
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	4.3	10.5	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	3.4
Buses	1	7	0	0	8	0	16	0	0	16	14	11	0	0	25	0	18	0	0	18	67
Single-Unit Trucks	1	7	0	0	8	2	4	0	0	6	3	1	0	0	4	0	1	0	0	1	19
Articulated Trucks	0	0	0	0	0	0	1	0	0	1	2	0	0	0	2	0	0	0	0	0	3
<b>Total Entering Leg</b>	2	14	0	0	16	2	21	0	0	23	19	12	0	0	31	0	19	0	0	19	89
Buses	11					32					7					17					67
Single-Unit Trucks	3					4					7					5					19
Articulated Trucks	0					2					0					1					3
<b>Total Exiting Leg</b>	14					38					14					23					89

PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	5	80	0	0	85	22	78	0	0	100	32	115	0	0	147	7	49	1	0	57	389
4:45 PM	10	85	0	0	95	22	63	0	0	85	37	98	0	0	135	5	55	0	0	60	375
Total	15	165	0	0	180	44	141	0	0	185	69	213	0	0	282	12	104	1	0	117	764
5:00 PM	10	73	0	0	83	20	69	0	0	89	25	98	0	0	123	7	48	1	0	56	351
5:15 PM	4	97	0	0	101	21	76	0	0	97	29	97	1	0	127	8	58	1	0	67	392
5:30 PM	10	93	0	0	103	22	59	0	0	81	31	107	0	0	138	1	55	1	0	57	379
5:45 PM	5	96	0	0	101	10	66	0	0	76	26	88	0	0	114	4	50	0	0	54	345
Total	29	359	0	0	388	73	270	0	0	343	111	390	1	0	502	20	211	3	0	234	1467
6:00 PM	5	106	0	0	111	13	66	2	0	81	30	104	0	0	134	9	49	0	0	58	384
6:15 PM	5	85	0	0	90	21	60	1	0	82	39	113	0	0	152	8	48	2	0	58	382
6:30 PM	9	100	0	0	109	19	59	0	0	78	34	117	0	0	151	8	56	0	0	64	402
6:45 PM	10	96	0	0	106	20	60	0	0	80	33	118	0	0	151	12	52	0	0	64	401
Total	29	387	0	0	416	73	245	3	0	321	136	452	0	0	588	37	205	2	0	244	1569
7:00 PM	16	80	1	0	97	19	48	0	0	67	27	111	1	0	139	5	64	2	0	71	374
7:15 PM	9	79	0	0	88	20	46	0	0	66	37	110	1	0	148	7	59	1	0	67	369
Total	25	159	1	0	185	39	94	0	0	133	64	221	2	0	287	12	123	3	0	138	743
Grand Total	98	1070	1	0	1169	229	750	3	0	982	380	1276	3	0	1659	81	643	9	0	733	4543
Approach %	8.4	91.5	0.1	0.0		23.3	76.4	0.3	0.0		22.9	76.9	0.2	0.0		11.1	87.7	1.2	0.0		
Total %	2.2	23.6	0.0	0.0	25.7	5.0	16.5	0.1	0.0	21.6	8.4	28.1	0.1	0.0	36.5	1.8	14.2	0.2	0.0	16.1	
Exiting Leg Total	1514					1024					1154					851					4543

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	5	106	0	0	111	13	66	2	0	81	30	104	0	0	134	9	49	0	0	58	384
6:15 PM	5	85	0	0	90	21	60	1	0	82	39	113	0	0	152	8	48	2	0	58	382
6:30 PM	9	100	0	0	109	19	59	0	0	78	34	117	0	0	151	8	56	0	0	64	402
6:45 PM	10	96	0	0	106	20	60	0	0	80	33	118	0	0	151	12	52	0	0	64	401
Total Volume	29	387	0	0	416	73	245	3	0	321	136	452	0	0	588	37	205	2	0	244	1569
% Approach Total	7.0	93.0	0.0	0.0		22.7	76.3	0.9	0.0		23.1	76.9	0.0	0.0		15.2	84.0	0.8	0.0		
PHF	0.725	0.913	0.000	0.000	0.937	0.869	0.928	0.375	0.000	0.979	0.872	0.958	0.000	0.000	0.967	0.771	0.915	0.250	0.000	0.953	0.976
Entering Leg	29	387	0	0	416	73	245	3	0	321	136	452	0	0	588	37	205	2	0	244	1569
Exiting Leg	527					341					427					274					1569
Total	943					662					1015					518					3138

PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
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**Light Goods Vehicle**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	0	9	0	0	9	0	1	0	0	1	0	3	0	0	3	0	2	0	0	2	15	
4:45 PM	0	9	0	0	9	1	3	0	0	4	0	5	0	0	5	1	0	0	0	1	19	
Total	0	18	0	0	18	1	4	0	0	5	0	8	0	0	8	1	2	0	0	3	34	
5:00 PM	1	6	0	0	7	2	5	0	0	7	0	8	0	0	8	1	5	0	0	6	28	
5:15 PM	1	8	0	0	9	0	0	0	0	0	2	1	0	0	3	0	1	0	0	1	13	
5:30 PM	0	2	0	0	2	0	1	0	0	1	1	1	0	0	2	0	2	0	0	2	7	
5:45 PM	1	4	0	0	5	2	6	0	0	8	0	2	0	0	2	0	0	0	0	0	15	
Total	3	20	0	0	23	4	12	0	0	16	3	12	0	0	15	1	8	0	0	9	63	
6:00 PM	0	4	0	0	4	0	2	0	0	2	0	8	0	0	8	0	0	1	0	1	15	
6:15 PM	1	4	0	0	5	1	3	0	0	4	0	4	0	0	4	1	1	1	0	3	16	
6:30 PM	0	3	0	0	3	0	1	0	0	1	0	3	0	0	3	0	1	0	0	1	8	
6:45 PM	0	3	0	0	3	1	0	0	0	1	2	1	0	0	3	1	2	0	0	3	10	
Total	1	14	0	0	15	2	6	0	0	8	2	16	0	0	18	2	4	2	0	8	49	
7:00 PM	0	2	0	0	2	0	3	0	0	3	2	1	0	0	3	0	3	0	0	3	11	
7:15 PM	0	4	0	0	4	1	2	0	0	3	0	1	0	0	1	1	1	0	0	2	10	
Total	0	6	0	0	6	1	5	0	0	6	2	2	0	0	4	1	4	0	0	5	21	
Grand Total	4	58	0	0	62	8	27	0	0	35	7	38	0	0	45	5	18	2	0	25	167	
Approach %	6.5	93.5	0.0	0.0		22.9	77.1	0.0	0.0		15.6	84.4	0.0	0.0		20.0	72.0	8.0	0.0			
Total %	2.4	34.7	0.0	0.0	37.1	4.8	16.2	0.0	0.0	21.0	4.2	22.8	0.0	0.0	26.9	3.0	10.8	1.2	0.0	15.0		
Exiting Leg Total						48					25					63					31	167

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	0	9	0	0	9	0	1	0	0	1	0	3	0	0	3	0	2	0	0	2	15	
4:45 PM	0	9	0	0	9	1	3	0	0	4	0	5	0	0	5	1	0	0	0	1	19	
5:00 PM	1	6	0	0	7	2	5	0	0	7	0	8	0	0	8	1	5	0	0	6	28	
5:15 PM	1	8	0	0	9	0	0	0	0	0	2	1	0	0	3	0	1	0	0	1	13	
Total Volume	2	32	0	0	34	3	9	0	0	12	2	17	0	0	19	2	8	0	0	10	75	
% Approach Total	5.9	94.1	0.0	0.0		25.0	75.0	0.0	0.0		10.5	89.5	0.0	0.0		20.0	80.0	0.0	0.0			
PHF	0.500	0.889	0.000	0.000	0.944	0.375	0.450	0.000	0.000	0.429	0.250	0.531	0.000	0.000	0.594	0.500	0.400	0.000	0.000	0.417	0.670	
Entering Leg	2	32	0	0	34	3	9	0	0	12	2	17	0	0	19	2	8	0	0	10	75	
Exiting Leg						20					10					34					11	75
Total						54					22					53					21	150

PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
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**Buses**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	1	0	0	1	0	4	0	0	4	3	0	0	0	3	0	2	0	0	2	10
4:45 PM	0	1	0	0	1	1	3	0	0	4	4	1	0	0	5	0	6	0	0	6	16
<b>Total</b>	0	2	0	0	2	1	7	0	0	8	7	1	0	0	8	0	8	0	0	8	26
5:00 PM	0	3	0	0	3	1	0	0	0	1	5	4	0	0	9	0	4	0	0	4	17
5:15 PM	0	1	0	0	1	0	3	0	0	3	3	4	0	0	7	0	3	0	0	3	14
5:30 PM	0	0	0	0	0	0	4	0	0	4	5	2	0	0	7	0	4	0	0	4	15
5:45 PM	0	2	0	0	2	0	4	0	0	4	4	7	0	0	11	0	0	0	0	0	17
<b>Total</b>	0	6	0	0	6	1	11	0	0	12	17	17	0	0	34	0	11	0	0	11	63
6:00 PM	1	0	0	0	1	0	7	0	0	7	2	2	0	0	4	0	8	0	0	8	20
6:15 PM	0	1	0	0	1	0	3	0	0	3	3	2	0	0	5	0	5	0	0	5	14
6:30 PM	0	2	0	0	2	0	3	0	0	3	4	2	0	0	6	0	2	0	0	2	13
6:45 PM	0	4	0	0	4	0	3	0	0	3	5	5	0	0	10	0	3	0	0	3	20
<b>Total</b>	1	7	0	0	8	0	16	0	0	16	14	11	0	0	25	0	18	0	0	18	67
7:00 PM	0	1	0	0	1	0	3	0	0	3	4	0	0	0	4	0	2	0	0	2	10
7:15 PM	0	2	0	0	2	0	4	0	0	4	3	2	0	0	5	0	3	0	0	3	14
<b>Total</b>	0	3	0	0	3	0	7	0	0	7	7	2	0	0	9	0	5	0	0	5	24
<b>Grand Total</b>	1	18	0	0	19	2	41	0	0	43	45	31	0	0	76	0	42	0	0	42	180
Approach %	5.3	94.7	0.0	0.0		4.7	95.3	0.0	0.0		59.2	40.8	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.6	10.0	0.0	0.0	10.6	1.1	22.8	0.0	0.0	23.9	25.0	17.2	0.0	0.0	42.2	0.0	23.3	0.0	0.0	23.3	
Exiting Leg Total	33					87					18					42					180

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	1	0	0	0	1	0	7	0	0	7	2	2	0	0	4	0	8	0	0	8	20
6:15 PM	0	1	0	0	1	0	3	0	0	3	3	2	0	0	5	0	5	0	0	5	14
6:30 PM	0	2	0	0	2	0	3	0	0	3	4	2	0	0	6	0	2	0	0	2	13
6:45 PM	0	4	0	0	4	0	3	0	0	3	5	5	0	0	10	0	3	0	0	3	20
<b>Total Volume</b>	1	7	0	0	8	0	16	0	0	16	14	11	0	0	25	0	18	0	0	18	67
% Approach Total	12.5	87.5	0.0	0.0		0.0	100.0	0.0	0.0		56.0	44.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.250	0.438	0.000	0.000	0.500	0.000	0.571	0.000	0.000	0.571	0.700	0.550	0.000	0.000	0.625	0.000	0.563	0.000	0.000	0.563	0.838
Entering Leg	1	7	0	0	8	0	16	0	0	16	14	11	0	0	25	0	18	0	0	18	67
Exiting Leg	11					32					7					17					67
<b>Total</b>	19					48					32					35					134

PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	3	0	0	3	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	7
4:45 PM	0	0	0	0	0	1	0	0	0	1	0	3	0	0	3	0	0	0	0	0	4
<b>Total</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>11</b>
5:00 PM	1	0	0	0	1	0	0	0	0	0	2	1	0	0	3	0	2	0	0	2	6
5:15 PM	0	1	1	0	2	0	0	0	0	0	1	0	0	0	1	0	1	0	0	1	4
5:30 PM	0	0	0	0	0	1	2	0	0	3	0	1	0	0	1	0	0	0	0	0	4
5:45 PM	0	1	0	0	1	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>17</b>
6:00 PM	1	0	0	0	1	0	2	0	0	2	2	0	0	0	2	0	0	0	0	0	5
6:15 PM	0	2	0	0	2	2	1	0	0	3	1	1	0	0	2	0	0	0	0	0	7
6:30 PM	0	2	0	0	2	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	4
6:45 PM	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>1</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>19</b>
7:00 PM	0	2	0	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	3
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
<b>Total</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Grand Total</b>	<b>2</b>	<b>14</b>	<b>1</b>	<b>0</b>	<b>17</b>	<b>4</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>6</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>51</b>
Approach %	11.8	82.4	5.9	0.0		26.7	73.3	0.0	0.0		46.2	53.8	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	3.9	27.5	2.0	0.0	33.3	7.8	21.6	0.0	0.0	29.4	11.8	13.7	0.0	0.0	25.5	0.0	11.8	0.0	0.0	11.8	
Exiting Leg Total	11					13					14					13					51

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	3	0	0	3	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	7
4:45 PM	0	0	0	0	0	1	0	0	0	1	0	3	0	0	3	0	0	0	0	0	4
5:00 PM	1	0	0	0	1	0	0	0	0	0	2	1	0	0	3	0	2	0	0	2	6
5:15 PM	0	1	1	0	2	0	0	0	0	0	1	0	0	0	1	0	1	0	0	1	4
<b>Total Volume</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>21</b>
% Approach Total	16.7	66.7	16.7	0.0		33.3	66.7	0.0	0.0		42.9	57.1	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.250	0.333	0.250	0.000	0.500	0.250	0.250	0.000	0.000	0.375	0.375	0.333	0.000	0.000	0.583	0.000	0.625	0.000	0.000	0.625	0.750
Entering Leg	1	4	1	0	6	1	2	0	0	3	3	4	0	0	7	0	5	0	0	5	21
Exiting Leg	5					9					4					3					21
<b>Total</b>	<b>11</b>					<b>12</b>					<b>11</b>					<b>8</b>					<b>42</b>



PDI File #: **186591-9**  
 Location: **N: Prospect Street S: Central Square**  
 Location: **E: Massachusetts Ave W: Massachusetts Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
5:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
6:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	0	0	0	0	2
<b>Total</b>	0	0	0	0	0	0	1	0	0	1	2	0	0	0	2	0	0	0	0	0	3
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Grand Total</b>	0	0	0	0	0	0	2	0	0	2	3	0	0	0	3	0	0	0	0	0	5
Approach %	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		100.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	40.0	60.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0					3					0					2					5

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Prospect Street					Massachusetts Ave					Central Square					Massachusetts Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	0	0	0	0	2
<b>Total Volume</b>	0	0	0	0	0	0	1	0	0	1	2	0	0	0	2	0	0	0	0	0	3
% Approach Total	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		100.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.375
Entering Leg	0	0	0	0	0	0	1	0	0	1	2	0	0	0	2	0	0	0	0	0	3
Exiting Leg	0					2					0					1					3
<b>Total</b>	0					3					2					1					6

PDI File #: 186591-9  
 Location: N: Prospect Street S: Central Square  
 Location: E: Massachusetts Ave W: Massachusetts Ave  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Prospect Street							Massachusetts Ave							Central Square							Massachusetts Ave							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	3	0	0	0	1	4	1	15	0	0	0	0	16	1	1	0	0	0	0	2	0	12	0	0	0	12	34	
4:45 PM	0	0	0	0	0	1	1	1	25	1	0	0	0	27	0	2	0	0	0	0	2	0	5	0	0	0	5	35	
<b>Total</b>	0	3	0	0	0	2	5	2	40	1	0	0	0	43	1	3	0	0	0	0	4	0	17	0	0	0	17	69	
5:00 PM	0	5	0	0	0	0	5	4	39	0	0	0	0	43	2	4	0	0	0	0	6	0	10	0	0	0	10	64	
5:15 PM	1	4	0	0	0	1	6	0	42	0	0	0	0	42	1	3	0	0	0	0	4	1	15	0	0	0	16	68	
5:30 PM	0	2	1	0	0	0	3	6	36	0	0	0	0	42	0	2	0	0	1	0	3	0	8	0	0	0	8	56	
5:45 PM	0	3	0	0	1	0	4	5	41	0	0	0	0	46	0	3	0	0	0	0	3	0	14	0	0	0	14	67	
<b>Total</b>	1	14	1	0	1	1	18	15	158	0	0	0	0	173	3	12	0	0	1	0	16	1	47	0	0	0	48	255	
6:00 PM	0	5	0	0	0	0	5	6	23	2	0	0	0	31	0	3	1	0	0	0	4	0	15	0	0	0	15	55	
6:15 PM	0	2	0	0	1	0	3	9	28	0	0	0	0	37	2	3	0	0	0	0	5	0	6	1	0	0	7	52	
6:30 PM	0	6	0	0	0	0	6	4	28	3	0	0	0	35	0	5	0	0	0	0	5	0	9	0	0	0	9	55	
6:45 PM	0	4	1	0	0	0	5	6	28	0	0	0	0	34	0	6	0	0	0	0	6	0	12	0	0	0	12	57	
<b>Total</b>	0	17	1	0	1	0	19	25	107	5	0	0	0	137	2	17	1	0	0	0	20	0	42	1	0	0	43	219	
7:00 PM	1	4	0	0	1	0	6	4	19	1	0	0	0	24	0	4	0	0	0	0	4	0	7	0	0	0	7	41	
7:15 PM	0	5	0	0	0	0	5	4	18	0	0	0	0	22	0	5	0	0	0	0	5	0	10	0	0	0	10	42	
<b>Total</b>	1	9	0	0	1	0	11	8	37	1	0	0	0	46	0	9	0	0	0	0	9	0	17	0	0	0	17	83	
<b>Grand Total</b>	2	43	2	0	3	3	53	50	342	7	0	0	0	399	6	41	1	0	1	0	49	1	123	1	0	0	125	626	
Approach %	3.8	81.1	3.8	0.0	5.7	5.7		12.5	85.7	1.8	0.0	0.0	0.0		12.2	83.7	2.0	0.0	2.0	0.0		0.8	98.4	0.8	0.0	0.0	0.0		
Total %	0.3	6.9	0.3	0.0	0.5	0.5	8.5	8.0	54.6	1.1	0.0	0.0	0.0	63.7	1.0	6.5	0.2	0.0	0.2	0.0	7.8	0.2	19.6	0.2	0.0	0.0	0.0	20.0	
Exiting Leg Total	98							131							52							345							626

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Prospect Street							Massachusetts Ave							Central Square							Massachusetts Ave							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:00 PM	0	5	0	0	0	0	5	4	39	0	0	0	0	43	2	4	0	0	0	0	6	0	10	0	0	0	10	64	
5:15 PM	1	4	0	0	0	1	6	0	42	0	0	0	0	42	1	3	0	0	0	0	4	1	15	0	0	0	16	68	
5:30 PM	0	2	1	0	0	0	3	6	36	0	0	0	0	42	0	2	0	0	1	0	3	0	8	0	0	0	8	56	
5:45 PM	0	3	0	0	1	0	4	5	41	0	0	0	0	46	0	3	0	0	0	0	3	0	14	0	0	0	14	67	
<b>Total Volume</b>	1	14	1	0	1	1	18	15	158	0	0	0	0	173	3	12	0	0	1	0	16	1	47	0	0	0	48	255	
% Approach Total	5.6	77.8	5.6	0.0	5.6	5.6		8.7	91.3	0.0	0.0	0.0	0.0		18.8	75.0	0.0	0.0	6.3	0.0		2.1	97.9	0.0	0.0	0.0	0.0		
PHF	0.250	0.700	0.250	0.000	0.250	0.250	0.750	0.625	0.940	0.000	0.000	0.000	0.940		0.375	0.750	0.000	0.000	0.250	0.000	0.667	0.250	0.783	0.000	0.000	0.000	0.750	0.938	
Entering Leg	1	14	1	0	1	1	18	15	158	0	0	0	0	173	3	12	0	0	1	0	16	1	47	0	0	0	48	255	
Exiting Leg																													255
<b>Total</b>	47							224							32							207							510

PDI File #: 186591-9  
 Location: N: Prospect Street S: Central Square  
 Location: E: Massachusetts Ave W: Massachusetts Ave  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Prospect Street							Massachusetts Ave							Central Square							Massachusetts Ave							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	0	0	0	58	56	114	0	0	0	0	45	22	67	0	0	0	0	36	35	71	0	0	0	0	10	37	47	299
4:45 PM	0	0	0	0	49	74	123	0	0	0	0	25	36	61	0	0	0	0	51	42	93	0	0	0	0	24	45	69	346
Total	0	0	0	0	107	130	237	0	0	0	0	70	58	128	0	0	0	0	87	77	164	0	0	0	0	34	82	116	645
5:00 PM	0	0	0	0	47	67	114	0	0	0	0	50	23	73	0	0	0	0	59	69	128	0	0	0	0	28	55	83	398
5:15 PM	0	0	0	0	58	112	170	0	0	0	0	83	19	102	0	0	0	0	71	57	128	0	0	0	0	21	92	113	513
5:30 PM	0	0	0	0	65	106	171	0	0	0	0	86	39	125	0	0	0	0	70	40	110	0	0	0	0	37	77	114	520
5:45 PM	0	0	0	0	81	122	203	0	0	0	0	85	49	134	0	0	0	0	72	61	133	0	0	0	0	21	92	113	583
Total	0	0	0	0	251	407	658	0	0	0	0	304	130	434	0	0	0	0	272	227	499	0	0	0	0	107	316	423	2014
6:00 PM	0	0	0	0	75	99	174	0	0	0	0	81	43	124	0	0	0	0	72	52	124	0	0	0	0	37	74	111	533
6:15 PM	0	0	0	0	73	98	171	0	0	0	0	106	25	131	0	0	0	0	77	61	138	0	0	0	0	14	65	79	519
6:30 PM	0	0	0	0	72	87	159	0	0	0	0	43	31	74	0	0	0	0	54	43	97	0	0	0	0	30	45	75	405
6:45 PM	0	0	0	0	49	78	127	0	0	0	0	93	27	120	0	0	0	0	39	54	93	0	0	0	0	21	67	88	428
Total	0	0	0	0	269	362	631	0	0	0	0	323	126	449	0	0	0	0	242	210	452	0	0	0	0	102	251	353	1885
7:00 PM	0	0	0	0	46	66	112	0	0	0	0	48	27	75	0	0	0	0	62	54	116	0	0	0	0	20	33	53	356
7:15 PM	0	0	0	0	59	72	131	0	0	0	0	72	21	93	0	0	0	0	53	55	108	0	0	0	0	23	44	67	399
Total	0	0	0	0	105	138	243	0	0	0	0	120	48	168	0	0	0	0	115	109	224	0	0	0	0	43	77	120	755
Grand Total	0	0	0	0	732	1037	1769	0	0	0	0	817	362	1179	0	0	0	0	716	623	1339	0	0	0	0	286	726	1012	5299
Approach %	0	0	0	0	41.4	58.6		0	0	0	0	69.3	30.7		0	0	0	0	53.5	46.5		0	0	0	0	28.3	71.7		
Total %	0	0	0	0	13.8	19.6	33.4	0	0	0	0	15.4	6.83	22.2	0	0	0	0	13.5	11.8	25.3	0	0	0	0	5.4	13.7	19.1	
Exiting Leg Total	1769							1179							1339							1012							5299

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Prospect Street							Massachusetts Ave							Central Square							Massachusetts Ave							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:30 PM	0	0	0	0	65	106	171	0	0	0	0	86	39	125	0	0	0	0	70	40	110	0	0	0	0	37	77	114	520
5:45 PM	0	0	0	0	81	122	203	0	0	0	0	85	49	134	0	0	0	0	72	61	133	0	0	0	0	21	92	113	583
6:00 PM	0	0	0	0	75	99	174	0	0	0	0	81	43	124	0	0	0	0	72	52	124	0	0	0	0	37	74	111	533
6:15 PM	0	0	0	0	73	98	171	0	0	0	0	106	25	131	0	0	0	0	77	61	138	0	0	0	0	14	65	79	519
Total Volume	0	0	0	0	294	425	719	0	0	0	0	358	156	514	0	0	0	0	291	214	505	0	0	0	0	109	308	417	2155
% Approach Total	0.0	0.0	0.0	0.0	40.9	59.1		0.0	0.0	0.0	0.0	69.6	30.4		0.0	0.0	0.0	0.0	57.6	42.4		0.0	0.0	0.0	0.0	26.1	73.9		
PHF	0.000	0.000	0.000	0.000	0.907	0.871	0.885	0.000	0.000	0.000	0.000	0.844	0.796	0.959	0.000	0.000	0.000	0.000	0.945	0.877	0.915	0.000	0.000	0.000	0.000	0.736	0.837	0.914	0.924
Entering Leg	0	0	0	0	294	425	719	0	0	0	0	358	156	514	0	0	0	0	291	214	505	0	0	0	0	109	308	417	2155
Exiting Leg	719							514							505							417							2155
Total	1438							1028							1010							834							4310

PDI File #: 186591-17  
 Location: N: Central Square S: Western Ave/River St  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahan/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Central Square					Green Street					Western Ave/River St					Green Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
7:00 AM	4	104	0	0	108	13	1	16	0	30	0	132	12	5	149	0	0	0	0	0	287	
7:15 AM	6	103	0	0	109	8	6	19	0	33	0	124	10	1	135	0	0	0	0	0	277	
7:30 AM	6	106	0	0	112	14	16	25	0	55	0	123	14	4	141	0	0	0	0	0	308	
7:45 AM	4	103	0	0	107	14	28	19	0	61	0	141	17	1	159	0	0	0	0	0	327	
Total	20	416	0	0	436	49	51	79	0	179	0	520	53	11	584	0	0	0	0	0	1199	
8:00 AM	5	101	0	0	106	8	9	21	0	38	0	133	20	4	157	0	0	0	0	0	301	
8:15 AM	3	100	0	0	103	14	15	22	0	51	0	134	9	5	148	0	0	0	0	0	302	
8:30 AM	1	101	0	0	102	12	15	23	0	50	0	130	12	3	145	0	0	0	0	0	297	
8:45 AM	7	97	0	0	104	13	16	17	0	46	0	137	17	6	160	0	0	0	0	0	310	
Total	16	399	0	0	415	47	55	83	0	185	0	534	58	18	610	0	0	0	0	0	1210	
9:00 AM	9	93	0	0	102	14	16	16	0	46	0	153	15	2	170	0	0	0	0	0	318	
9:15 AM	3	96	0	0	99	13	20	22	0	55	0	159	16	2	177	0	0	0	0	0	331	
9:30 AM	6	97	0	0	103	9	13	21	0	43	0	161	18	2	181	0	0	0	0	0	327	
9:45 AM	8	82	0	0	90	7	17	17	0	41	0	129	17	4	150	0	0	0	0	0	281	
Total	26	368	0	0	394	43	66	76	0	185	0	602	66	10	678	0	0	0	0	0	1257	
Grand Total	62	1183	0	0	1245	139	172	238	0	549	0	1656	177	39	1872	0	0	0	0	0	3666	
Approach %	5.0	95.0	0.0	0.0		25.3	31.3	43.4	0.0		0.0	88.5	9.5	2.1		0.0	0.0	0.0	0.0			
Total %	1.7	32.3	0.0	0.0	34.0	3.8	4.7	6.5	0.0	15.0	0.0	45.2	4.8	1.1	51.1	0.0	0.0	0.0	0.0	0.0		
Exiting Leg Total						1795					0					1460					411	3666
Cars	56	1110	0	0	1166	116	165	201	0	482	0	1510	167	38	1715	0	0	0	0	0	3363	
% Cars	90.3	93.8	0.0	0.0	93.7	83.5	95.9	84.5	0.0	87.8	0.0	91.2	94.4	97.4	91.6	0.0	0.0	0.0	0.0	0.0	91.7	
Exiting Leg Total						1626					0					1349					388	3363
Heavy Vehicles	6	73	0	0	79	23	7	37	0	67	0	146	10	1	157	0	0	0	0	0	303	
% Heavy Vehicles	9.7	6.2	0.0	0.0	6.3	16.5	4.1	15.5	0.0	12.2	0.0	8.8	5.6	2.6	8.4	0.0	0.0	0.0	0.0	0.0	8.3	
Exiting Leg Total						169					0					111					23	303

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

8:45 AM	Central Square					Green Street					Western Ave/River St					Green Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
8:45 AM	7	97	0	0	104	13	16	17	0	46	0	137	17	6	160	0	0	0	0	0	310	
9:00 AM	9	93	0	0	102	14	16	16	0	46	0	153	15	2	170	0	0	0	0	0	318	
9:15 AM	3	96	0	0	99	13	20	22	0	55	0	159	16	2	177	0	0	0	0	0	331	
9:30 AM	6	97	0	0	103	9	13	21	0	43	0	161	18	2	181	0	0	0	0	0	327	
Total Volume	25	383	0	0	408	49	65	76	0	190	0	610	66	12	688	0	0	0	0	0	1286	
% Approach Total	6.1	93.9	0.0	0.0		25.8	34.2	40.0	0.0		0.0	88.7	9.6	1.7		0.0	0.0	0.0	0.0			
PHF	0.694	0.987	0.000	0.000	0.981	0.875	0.813	0.864	0.000	0.864	0.000	0.947	0.917	0.500	0.950	0.000	0.000	0.000	0.000	0.000	0.971	
Cars	23	363	0	0	386	39	63	65	0	167	0	561	64	12	637	0	0	0	0	0	1190	
Cars %	92.0	94.8	0.0	0.0	94.6	79.6	96.9	85.5	0.0	87.9	0.0	92.0	97.0	100.0	92.6	0.0	0.0	0.0	0.0	0.0	92.5	
Heavy Vehicles	2	20	0	0	22	10	2	11	0	23	0	49	2	0	51	0	0	0	0	0	96	
Heavy Vehicles %	8.0	5.2	0.0	0.0	5.4	20.4	3.1	14.5	0.0	12.1	0.0	8.0	3.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	7.5	
Cars Enter Leg	23	363	0	0	386	39	63	65	0	167	0	561	64	12	637	0	0	0	0	0	1190	
Heavy Enter Leg	2	20	0	0	22	10	2	11	0	23	0	49	2	0	51	0	0	0	0	0	96	
Total Entering Leg	25	383	0	0	408	49	65	76	0	190	0	610	66	12	688	0	0	0	0	0	1286	
Cars Exiting Leg						600					0					440					150	1190
Heavy Exiting Leg						59					0					31					6	96
Total Exiting Leg						659					0					471					156	1286

PDI File #: **186591-17**  
 Location: **N: Central Square S: Western Ave/River St**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	4	98	0	0	102	11	1	13	0	25	0	124	12	5	141	0	0	0	0	0	268
7:15 AM	5	95	0	0	100	6	5	18	0	29	0	110	8	1	119	0	0	0	0	0	248
7:30 AM	6	100	0	0	106	11	15	21	0	47	0	112	13	3	128	0	0	0	0	0	281
7:45 AM	3	93	0	0	96	13	27	14	0	54	0	128	16	1	145	0	0	0	0	0	295
Total	18	386	0	0	404	41	48	66	0	155	0	474	49	10	533	0	0	0	0	0	1092
8:00 AM	5	93	0	0	98	6	8	16	0	30	0	121	20	4	145	0	0	0	0	0	273
8:15 AM	2	93	0	0	95	13	15	18	0	46	0	122	6	5	133	0	0	0	0	0	274
8:30 AM	1	95	0	0	96	10	14	19	0	43	0	114	12	3	129	0	0	0	0	0	268
8:45 AM	7	92	0	0	99	12	16	13	0	41	0	125	17	6	148	0	0	0	0	0	288
Total	15	373	0	0	388	41	53	66	0	160	0	482	55	18	555	0	0	0	0	0	1103
9:00 AM	8	85	0	0	93	9	15	14	0	38	0	144	14	2	160	0	0	0	0	0	291
9:15 AM	2	92	0	0	94	10	20	21	0	51	0	144	15	2	161	0	0	0	0	0	306
9:30 AM	6	94	0	0	100	8	12	17	0	37	0	148	18	2	168	0	0	0	0	0	305
9:45 AM	7	80	0	0	87	7	17	17	0	41	0	118	16	4	138	0	0	0	0	0	266
Total	23	351	0	0	374	34	64	69	0	167	0	554	63	10	627	0	0	0	0	0	1168
Grand Total	56	1110	0	0	1166	116	165	201	0	482	0	1510	167	38	1715	0	0	0	0	0	3363
Approach %	4.8	95.2	0.0	0.0		24.1	34.2	41.7	0.0		0.0	88.0	9.7	2.2		0.0	0.0	0.0	0.0		
Total %	1.7	33.0	0.0	0.0	34.7	3.4	4.9	6.0	0.0	14.3	0.0	44.9	5.0	1.1	51.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	1626					0					1349					388					3363

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:45 AM	7	92	0	0	99	12	16	13	0	41	0	125	17	6	148	0	0	0	0	0	288
9:00 AM	8	85	0	0	93	9	15	14	0	38	0	144	14	2	160	0	0	0	0	0	291
9:15 AM	2	92	0	0	94	10	20	21	0	51	0	144	15	2	161	0	0	0	0	0	306
9:30 AM	6	94	0	0	100	8	12	17	0	37	0	148	18	2	168	0	0	0	0	0	305
Total Volume	23	363	0	0	386	39	63	65	0	167	0	561	64	12	637	0	0	0	0	0	1190
% Approach Total	6.0	94.0	0.0	0.0		23.4	37.7	38.9	0.0		0.0	88.1	10.0	1.9		0.0	0.0	0.0	0.0		
PHF	0.719	0.965	0.000	0.000	0.965	0.813	0.788	0.774	0.000	0.819	0.000	0.948	0.889	0.500	0.948	0.000	0.000	0.000	0.000	0.000	0.972
Entering Leg	23	363	0	0	386	39	63	65	0	167	0	561	64	12	637	0	0	0	0	0	1190
Exiting Leg	600					0					440					150					1190
Total	986					167					1077					150					2380

PDI File #: 186591-17  
 Location: N: Central Square S: Western Ave/River St  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahan/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	6	0	0	6	2	0	3	0	5	0	8	0	0	8	0	0	0	0	0	19
7:15 AM	1	8	0	0	9	2	1	1	0	4	0	14	2	0	16	0	0	0	0	0	29
7:30 AM	0	6	0	0	6	3	1	4	0	8	0	11	1	1	13	0	0	0	0	0	27
7:45 AM	1	10	0	0	11	1	1	5	0	7	0	13	1	0	14	0	0	0	0	0	32
<b>Total</b>	<b>2</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>8</b>	<b>3</b>	<b>13</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>46</b>	<b>4</b>	<b>1</b>	<b>51</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>107</b>
8:00 AM	0	8	0	0	8	2	1	5	0	8	0	12	0	0	12	0	0	0	0	0	28
8:15 AM	1	7	0	0	8	1	0	4	0	5	0	12	3	0	15	0	0	0	0	0	28
8:30 AM	0	6	0	0	6	2	1	4	0	7	0	16	0	0	16	0	0	0	0	0	29
8:45 AM	0	5	0	0	5	1	0	4	0	5	0	12	0	0	12	0	0	0	0	0	22
<b>Total</b>	<b>1</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>6</b>	<b>2</b>	<b>17</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>52</b>	<b>3</b>	<b>0</b>	<b>55</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>107</b>
9:00 AM	1	8	0	0	9	5	1	2	0	8	0	9	1	0	10	0	0	0	0	0	27
9:15 AM	1	4	0	0	5	3	0	1	0	4	0	15	1	0	16	0	0	0	0	0	25
9:30 AM	0	3	0	0	3	1	1	4	0	6	0	13	0	0	13	0	0	0	0	0	22
9:45 AM	1	2	0	0	3	0	0	0	0	0	0	11	1	0	12	0	0	0	0	0	15
<b>Total</b>	<b>3</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>9</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>48</b>	<b>3</b>	<b>0</b>	<b>51</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>89</b>
<b>Grand Total</b>	<b>6</b>	<b>73</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>23</b>	<b>7</b>	<b>37</b>	<b>0</b>	<b>67</b>	<b>0</b>	<b>146</b>	<b>10</b>	<b>1</b>	<b>157</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>303</b>
Approach %	7.6	92.4	0.0	0.0		34.3	10.4	55.2	0.0		0.0	93.0	6.4	0.6		0.0	0.0	0.0	0.0		
Total %	2.0	24.1	0.0	0.0	26.1	7.6	2.3	12.2	0.0	22.1	0.0	48.2	3.3	0.3	51.8	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	169					0					111					23					303
Buses	0	29	0	0	29	13	1	24	0	38	0	51	3	0	54	0	0	0	0	0	121
% Buses	0.0	39.7	0.0	0.0	36.7	56.5	14.3	64.9	0.0	56.7	0.0	34.9	30.0	0.0	34.4	0.0	0.0	0.0	0.0	0.0	39.9
Exiting Leg Total	64					0					53					4					121
Single-Unit Trucks	5	40	0	0	45	10	4	12	0	26	0	82	7	1	90	0	0	0	0	0	161
% Single-Unit	83.3	54.8	0.0	0.0	57.0	43.5	57.1	32.4	0.0	38.8	0.0	56.2	70.0	100.0	57.3	0.0	0.0	0.0	0.0	0.0	53.1
Exiting Leg Total	92					0					53					16					161
Articulated Trucks	1	4	0	0	5	0	2	1	0	3	0	13	0	0	13	0	0	0	0	0	21
% Articulated	16.7	5.5	0.0	0.0	6.3	0.0	28.6	2.7	0.0	4.5	0.0	8.9	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	6.9
Exiting Leg Total	13					0					5					3					21

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:45 AM	1	10	0	0	11	1	1	5	0	7	0	13	1	0	14	0	0	0	0	0	32
8:00 AM	0	8	0	0	8	2	1	5	0	8	0	12	0	0	12	0	0	0	0	0	28
8:15 AM	1	7	0	0	8	1	0	4	0	5	0	12	3	0	15	0	0	0	0	0	28
8:30 AM	0	6	0	0	6	2	1	4	0	7	0	16	0	0	16	0	0	0	0	0	29
<b>Total Volume</b>	<b>2</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>6</b>	<b>3</b>	<b>18</b>	<b>0</b>	<b>27</b>	<b>0</b>	<b>53</b>	<b>4</b>	<b>0</b>	<b>57</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>117</b>
<b>% Approach Total</b>	<b>6.1</b>	<b>93.9</b>	<b>0.0</b>	<b>0.0</b>		<b>22.2</b>	<b>11.1</b>	<b>66.7</b>	<b>0.0</b>		<b>0.0</b>	<b>93.0</b>	<b>7.0</b>	<b>0.0</b>		<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
PHF	0.500	0.775	0.000	0.000	0.750	0.750	0.750	0.900	0.000	0.844	0.000	0.828	0.333	0.000	0.891	0.000	0.000	0.000	0.000	0.000	0.914
Buses	0	10	0	0	10	4	0	11	0	15	0	26	3	0	29	0	0	0	0	0	54
Buses %	0.0	32.3	0.0	0.0	30.3	66.7	0.0	61.1	0.0	55.6	0.0	49.1	75.0	0.0	50.9	0.0	0.0	0.0	0.0	0.0	46.2
Single-Unit Trucks	1	17	0	0	18	2	2	6	0	10	0	26	1	0	27	0	0	0	0	0	55
Single-Unit %	50.0	54.8	0.0	0.0	54.5	33.3	66.7	33.3	0.0	37.0	0.0	49.1	25.0	0.0	47.4	0.0	0.0	0.0	0.0	0.0	47.0
Articulated Trucks	1	4	0	0	5	0	1	1	0	2	0	1	0	0	1	0	0	0	0	0	8
Articulated %	50.0	12.9	0.0	0.0	15.2	0.0	33.3	5.6	0.0	7.4	0.0	1.9	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	6.8
Buses	0	10	0	0	10	4	0	11	0	15	0	26	3	0	29	0	0	0	0	0	54
Single-Unit Trucks	1	17	0	0	18	2	2	6	0	10	0	26	1	0	27	0	0	0	0	0	55
Articulated Trucks	1	4	0	0	5	0	1	1	0	2	0	1	0	0	1	0	0	0	0	0	8
<b>Total Entering Leg</b>	<b>2</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>6</b>	<b>3</b>	<b>18</b>	<b>0</b>	<b>27</b>	<b>0</b>	<b>53</b>	<b>4</b>	<b>0</b>	<b>57</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>117</b>
Buses	30					0					21					3					54
Single-Unit Trucks	28					0					23					4					55
Articulated Trucks	1					0					5					2					8
<b>Total Exiting Leg</b>	<b>59</b>					<b>0</b>					<b>49</b>					<b>9</b>					<b>117</b>

PDI File #: **186591-17**  
 Location: **N: Central Square S: Western Ave/River St**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	4	93	0	0	97	11	1	13	0	25	0	112	9	5	126	0	0	0	0	0	248
7:15 AM	5	91	0	0	96	5	4	17	0	26	0	101	7	1	109	0	0	0	0	0	231
7:30 AM	4	94	0	0	98	10	10	21	0	41	0	106	11	2	119	0	0	0	0	0	258
7:45 AM	2	90	0	0	92	11	25	13	0	49	0	119	16	1	136	0	0	0	0	0	277
Total	15	368	0	0	383	37	40	64	0	141	0	438	43	9	490	0	0	0	0	0	1014
8:00 AM	5	90	0	0	95	5	6	16	0	27	0	116	20	4	140	0	0	0	0	0	262
8:15 AM	2	92	0	0	94	11	15	18	0	44	0	112	5	5	122	0	0	0	0	0	260
8:30 AM	1	84	0	0	85	10	12	19	0	41	0	108	12	3	123	0	0	0	0	0	249
8:45 AM	7	89	0	0	96	10	15	11	0	36	0	117	16	6	139	0	0	0	0	0	271
Total	15	355	0	0	370	36	48	64	0	148	0	453	53	18	524	0	0	0	0	0	1042
9:00 AM	7	82	0	0	89	7	13	13	0	33	0	131	12	2	145	0	0	0	0	0	267
9:15 AM	2	85	0	0	87	10	17	17	0	44	0	130	14	1	145	0	0	0	0	0	276
9:30 AM	6	87	0	0	93	5	12	15	0	32	0	128	15	1	144	0	0	0	0	0	269
9:45 AM	6	73	0	0	79	7	16	16	0	39	0	107	15	4	126	0	0	0	0	0	244
Total	21	327	0	0	348	29	58	61	0	148	0	496	56	8	560	0	0	0	0	0	1056
Grand Total	51	1050	0	0	1101	102	146	189	0	437	0	1387	152	35	1574	0	0	0	0	0	3112
Approach %	4.6	95.4	0.0	0.0		23.3	33.4	43.2	0.0		0.0	88.1	9.7	2.2		0.0	0.0	0.0	0.0		
Total %	1.6	33.7	0.0	0.0	35.4	3.3	4.7	6.1	0.0	14.0	0.0	44.6	4.9	1.1	50.6	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	1489					0					1274					349					3112

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:45 AM	7	89	0	0	96	10	15	11	0	36	0	117	16	6	139	0	0	0	0	0	271
9:00 AM	7	82	0	0	89	7	13	13	0	33	0	131	12	2	145	0	0	0	0	0	267
9:15 AM	2	85	0	0	87	10	17	17	0	44	0	130	14	1	145	0	0	0	0	0	276
9:30 AM	6	87	0	0	93	5	12	15	0	32	0	128	15	1	144	0	0	0	0	0	269
Total Volume	22	343	0	0	365	32	57	56	0	145	0	506	57	10	573	0	0	0	0	0	1083
% Approach Total	6.0	94.0	0.0	0.0		22.1	39.3	38.6	0.0		0.0	88.3	9.9	1.7		0.0	0.0	0.0	0.0		
PHF	0.786	0.963	0.000	0.000	0.951	0.800	0.838	0.824	0.000	0.824	0.000	0.966	0.891	0.417	0.988	0.000	0.000	0.000	0.000	0.000	0.981
Entering Leg	22	343	0	0	365	32	57	56	0	145	0	506	57	10	573	0	0	0	0	0	1083
Exiting Leg	538					0					409					136					1083
Total	903					145					982					136					2166

PDI File #: 186591-17  
 Location: N: Central Square S: Western Ave/River St  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahan/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Light Goods Vehicle**

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	5	0	0	5	0	0	0	0	0	0	12	3	0	15	0	0	0	0	0	20
7:15 AM	0	4	0	0	4	1	1	1	0	3	0	9	1	0	10	0	0	0	0	0	17
7:30 AM	2	6	0	0	8	1	5	0	0	6	0	6	2	1	9	0	0	0	0	0	23
7:45 AM	1	3	0	0	4	2	2	1	0	5	0	9	0	0	9	0	0	0	0	0	18
<b>Total</b>	<b>3</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>4</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>36</b>	<b>6</b>	<b>1</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>
8:00 AM	0	3	0	0	3	1	2	0	0	3	0	5	0	0	5	0	0	0	0	0	11
8:15 AM	0	1	0	0	1	2	0	0	0	2	0	10	1	0	11	0	0	0	0	0	14
8:30 AM	0	11	0	0	11	0	1	0	0	1	0	6	0	0	6	0	0	0	0	0	18
8:45 AM	0	3	0	0	3	2	1	1	0	4	0	8	1	0	9	0	0	0	0	0	16
<b>Total</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>29</b>	<b>2</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>59</b>
9:00 AM	1	3	0	0	4	2	2	1	0	5	0	13	1	0	14	0	0	0	0	0	23
9:15 AM	0	7	0	0	7	0	3	4	0	7	0	13	1	1	15	0	0	0	0	0	29
9:30 AM	0	7	0	0	7	3	0	2	0	5	0	20	3	1	24	0	0	0	0	0	36
9:45 AM	1	7	0	0	8	0	1	1	0	2	0	11	1	0	12	0	0	0	0	0	22
<b>Total</b>	<b>2</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>57</b>	<b>6</b>	<b>2</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110</b>
Grand Total	5	60	0	0	65	14	18	11	0	43	0	122	14	3	139	0	0	0	0	0	247
Approach %	7.7	92.3	0.0	0.0		32.6	41.9	25.6	0.0		0.0	87.8	10.1	2.2		0.0	0.0	0.0	0.0		
Total %	2.0	24.3	0.0	0.0	26.3	5.7	7.3	4.5	0.0	17.4	0.0	49.4	5.7	1.2	56.3	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	136					0					74					37					247

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	1	3	0	0	4	2	2	1	0	5	0	13	1	0	14	0	0	0	0	0	23
9:15 AM	0	7	0	0	7	0	3	4	0	7	0	13	1	1	15	0	0	0	0	0	29
9:30 AM	0	7	0	0	7	3	0	2	0	5	0	20	3	1	24	0	0	0	0	0	36
9:45 AM	1	7	0	0	8	0	1	1	0	2	0	11	1	0	12	0	0	0	0	0	22
<b>Total Volume</b>	<b>2</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>57</b>	<b>6</b>	<b>2</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110</b>
% Approach Total	7.7	92.3	0.0	0.0		26.3	31.6	42.1	0.0		0.0	87.7	9.2	3.1		0.0	0.0	0.0	0.0		
PHF	0.500	0.857	0.000	0.000	0.813	0.417	0.500	0.500	0.000	0.679	0.000	0.713	0.500	0.500	0.677	0.000	0.000	0.000	0.000	0.000	0.764
Entering Leg	2	24	0	0	26	5	6	8	0	19	0	57	6	2	65	0	0	0	0	0	110
Exiting Leg						62					0					14					110
<b>Total</b>	<b>88</b>					<b>19</b>					<b>99</b>					<b>14</b>					<b>220</b>



PDI File #: 186591-17  
 Location: N: Central Square S: Western Ave/River St  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahan/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
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**Buses**

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	2	0	0	2	2	0	2	0	4	0	1	0	0	1	0	0	0	0	0	7
7:15 AM	0	3	0	0	3	2	1	1	0	4	0	3	0	0	3	0	0	0	0	0	10
7:30 AM	0	3	0	0	3	2	0	3	0	5	0	2	0	0	2	0	0	0	0	0	10
7:45 AM	0	1	0	0	1	0	0	3	0	3	0	6	1	0	7	0	0	0	0	0	11
Total	0	9	0	0	9	6	1	9	0	16	0	12	1	0	13	0	0	0	0	0	38
8:00 AM	0	4	0	0	4	2	0	3	0	5	0	4	0	0	4	0	0	0	0	0	13
8:15 AM	0	4	0	0	4	0	0	3	0	3	0	4	2	0	6	0	0	0	0	0	13
8:30 AM	0	1	0	0	1	2	0	2	0	4	0	12	0	0	12	0	0	0	0	0	17
8:45 AM	0	1	0	0	1	0	0	3	0	3	0	7	0	0	7	0	0	0	0	0	11
Total	0	10	0	0	10	4	0	11	0	15	0	27	2	0	29	0	0	0	0	0	54
9:00 AM	0	5	0	0	5	1	0	1	0	2	0	4	0	0	4	0	0	0	0	0	11
9:15 AM	0	1	0	0	1	2	0	1	0	3	0	2	0	0	2	0	0	0	0	0	6
9:30 AM	0	3	0	0	3	0	0	2	0	2	0	4	0	0	4	0	0	0	0	0	9
9:45 AM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	3
Total	0	10	0	0	10	3	0	4	0	7	0	12	0	0	12	0	0	0	0	0	29
Grand Total	0	29	0	0	29	13	1	24	0	38	0	51	3	0	54	0	0	0	0	0	121
Approach %	0.0	100.0	0.0	0.0		34.2	2.6	63.2	0.0		0.0	94.4	5.6	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	24.0	0.0	0.0	24.0	10.7	0.8	19.8	0.0	31.4	0.0	42.1	2.5	0.0	44.6	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	64					0					53					4					121

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:45 AM	0	1	0	0	1	0	0	3	0	3	0	6	1	0	7	0	0	0	0	0	11
8:00 AM	0	4	0	0	4	2	0	3	0	5	0	4	0	0	4	0	0	0	0	0	13
8:15 AM	0	4	0	0	4	0	0	3	0	3	0	4	2	0	6	0	0	0	0	0	13
8:30 AM	0	1	0	0	1	2	0	2	0	4	0	12	0	0	12	0	0	0	0	0	17
Total Volume	0	10	0	0	10	4	0	11	0	15	0	26	3	0	29	0	0	0	0	0	54
% Approach Total	0.0	100.0	0.0	0.0		26.7	0.0	73.3	0.0		0.0	89.7	10.3	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.625	0.000	0.000	0.625	0.500	0.000	0.917	0.000	0.750	0.000	0.542	0.375	0.000	0.604	0.000	0.000	0.000	0.000	0.000	0.794
Entering Leg	0	10	0	0	10	4	0	11	0	15	0	26	3	0	29	0	0	0	0	0	54
Exiting Leg	30					0					21					3					54
Total	40					15					50					3					108

PDI File #: **186591-17**  
 Location: **N: Central Square S: Western Ave/River St**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

### Single-Unit Trucks

	Central Square					Green Street					Western Ave/River St					Green Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	4	0	0	4	0	0	1	0	1	0	5	0	0	5	0	0	0	0	0	10					
7:15 AM	1	5	0	0	6	0	0	0	0	0	0	8	2	0	10	0	0	0	0	0	16					
7:30 AM	0	3	0	0	3	1	1	1	0	3	0	7	1	1	9	0	0	0	0	0	15					
7:45 AM	0	7	0	0	7	1	0	2	0	3	0	7	0	0	7	0	0	0	0	0	17					
<b>Total</b>	1	19	0	0	20	2	1	4	0	7	0	27	3	1	31	0	0	0	0	0	58					
8:00 AM	0	3	0	0	3	0	1	1	0	2	0	7	0	0	7	0	0	0	0	0	12					
8:15 AM	1	3	0	0	4	1	0	1	0	2	0	8	1	0	9	0	0	0	0	0	15					
8:30 AM	0	4	0	0	4	0	1	2	0	3	0	4	0	0	4	0	0	0	0	0	11					
8:45 AM	0	4	0	0	4	1	0	1	0	2	0	5	0	0	5	0	0	0	0	0	11					
<b>Total</b>	1	14	0	0	15	2	2	5	0	9	0	24	1	0	25	0	0	0	0	0	49					
9:00 AM	1	3	0	0	4	4	0	1	0	5	0	5	1	0	6	0	0	0	0	0	15					
9:15 AM	1	3	0	0	4	1	0	0	0	1	0	11	1	0	12	0	0	0	0	0	17					
9:30 AM	0	0	0	0	0	1	1	2	0	4	0	7	0	0	7	0	0	0	0	0	11					
9:45 AM	1	1	0	0	2	0	0	0	0	0	0	8	1	0	9	0	0	0	0	0	11					
<b>Total</b>	3	7	0	0	10	6	1	3	0	10	0	31	3	0	34	0	0	0	0	0	54					
<b>Grand Total</b>	5	40	0	0	45	10	4	12	0	26	0	82	7	1	90	0	0	0	0	0	161					
Approach %	11.1	88.9	0.0	0.0		38.5	15.4	46.2	0.0		0.0	91.1	7.8	1.1		0.0	0.0	0.0	0.0							
Total %	3.1	24.8	0.0	0.0	28.0	6.2	2.5	7.5	0.0	16.1	0.0	50.9	4.3	0.6	55.9	0.0	0.0	0.0	0.0	0.0						
Exiting Leg Total						92					0					53					16					161

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:15 AM	1	5	0	0	6	0	0	0	0	0	0	8	2	0	10	0	0	0	0	0	16
7:30 AM	0	3	0	0	3	1	1	1	0	3	0	7	1	1	9	0	0	0	0	0	15
7:45 AM	0	7	0	0	7	1	0	2	0	3	0	7	0	0	7	0	0	0	0	0	17
8:00 AM	0	3	0	0	3	0	1	1	0	2	0	7	0	0	7	0	0	0	0	0	12
<b>Total Volume</b>	1	18	0	0	19	2	2	4	0	8	0	29	3	1	33	0	0	0	0	0	60
<b>% Approach Total</b>	5.3	94.7	0.0	0.0		25.0	25.0	50.0	0.0		0.0	87.9	9.1	3.0		0.0	0.0	0.0	0.0		
PHF	0.250	0.643	0.000	0.000	0.679	0.500	0.500	0.500	0.000	0.667	0.000	0.906	0.375	0.250	0.825	0.000	0.000	0.000	0.000	0.000	0.882
Entering Leg	1	18	0	0	19	2	2	4	0	8	0	29	3	1	33	0	0	0	0	0	60
Exiting Leg						31					0					23					6
<b>Total</b>	50					8					56					6					120

PDI File #: **186591-17**  
 Location: **N: Central Square S: Western Ave/River St**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Articulated Trucks**

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	3
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
7:45 AM	1	2	0	0	3	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	4
<b>Total</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
8:00 AM	0	1	0	0	1	0	0	1	0	1	0	1	0	0	1	0	0	0	0	0	3
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
9:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>
<b>Grand Total</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>
Approach %	20.0	80.0	0.0	0.0		0.0	66.7	33.3	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	4.8	19.0	0.0	0.0	23.8	0.0	9.5	4.8	0.0	14.3	0.0	61.9	0.0	0.0	61.9	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	13					0					5					3					21

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:15 AM	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	3
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
7:45 AM	1	2	0	0	3	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	4
8:00 AM	0	1	0	0	1	0	0	1	0	1	0	1	0	0	1	0	0	0	0	0	3
<b>Total Volume</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>
% Approach Total	25.0	75.0	0.0	0.0		0.0	50.0	50.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.250	0.375	0.000	0.000	0.333	0.000	0.250	0.250	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.750
Entering Leg	1	3	0	0	4	0	1	1	0	2	0	6	0	0	6	0	0	0	0	0	12
Exiting Leg	6					0					4					2					12
<b>Total</b>	<b>10</b>					<b>2</b>					<b>10</b>					<b>2</b>					<b>24</b>

PDI File #: 186591-17  
 Location: N: Central Square S: Western Ave/River St  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Central Square							Green Street							Western Ave/River St							Green Street							Total	
	from North							from East							from South							from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
7:00 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	0	0	0	2	0	0	0	0	0	0	3	
7:15 AM	0	2	0	0	0	0	2	0	1	0	0	0	0	1	0	2	0	0	0	0	0	2	0	0	0	0	0	0	5	
7:30 AM	0	4	0	0	0	0	4	0	1	0	0	0	0	1	0	2	1	0	0	0	0	3	0	0	0	0	1	0	9	
7:45 AM	0	4	0	0	0	0	4	0	1	0	0	0	0	1	0	7	1	0	0	0	0	8	0	0	0	0	1	0	14	
Total	0	10	0	0	0	0	10	0	3	1	0	0	0	4	0	13	2	0	0	0	0	15	0	0	0	0	2	0	2	31
8:00 AM	0	2	1	0	0	0	3	0	0	1	0	1	2	4	0	9	1	0	0	0	0	10	0	0	0	0	0	0	0	17
8:15 AM	0	4	0	0	0	0	4	0	0	0	0	0	1	1	0	18	0	0	0	0	0	18	0	0	0	0	0	0	0	23
8:30 AM	0	1	0	0	0	0	1	0	2	0	0	0	0	2	0	7	0	0	0	0	0	7	0	0	0	0	0	0	0	10
8:45 AM	0	5	0	0	0	0	5	1	3	0	0	0	0	4	0	9	0	0	0	0	0	9	0	0	0	0	0	0	0	18
Total	0	12	1	0	0	0	13	1	5	1	0	1	3	11	0	43	1	0	0	0	0	44	0	0	0	0	0	0	0	68
9:00 AM	0	7	0	0	0	0	7	0	2	0	0	0	0	2	0	12	0	0	0	0	0	12	0	0	0	0	0	0	0	21
9:15 AM	0	3	0	0	0	0	3	0	1	2	0	0	0	3	0	10	1	0	0	0	0	11	0	0	0	0	0	0	0	17
9:30 AM	1	0	0	0	0	0	1	0	1	0	0	0	1	2	0	5	0	0	0	0	0	5	0	0	0	0	0	0	0	8
9:45 AM	0	2	0	0	0	0	2	0	2	0	0	0	0	2	1	2	0	0	0	0	1	4	0	0	0	0	0	0	0	8
Total	1	12	0	0	0	0	13	0	6	2	0	0	1	9	1	29	1	0	0	0	1	32	0	0	0	0	0	0	0	54
Grand Total	1	34	1	0	0	0	36	1	14	4	0	1	4	24	1	85	4	0	0	0	1	91	0	0	0	0	2	0	2	153
Approach %	2.8	94.4	2.8	0.0	0.0	0.0		4.2	58.3	16.7	0.0	4.2	16.7		1.1	93.4	4.4	0.0	0.0	1.1		0.0	0.0	0.0	0.0	100.0	0.0			
Total %	0.7	22.2	0.7	0.0	0.0	0.0	23.5	0.7	9.2	2.6	0.0	0.7	2.6	15.7	0.7	55.6	2.6	0.0	0.0	0.7	59.5	0.0	0.0	0.0	0.0	1.3	0.0	1.3		
Exiting Leg Total	86							7							39							21							153	

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Central Square							Green Street							Western Ave/River St							Green Street							Total	
	from North							from East							from South							from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
8:15 AM	0	4	0	0	0	0	4	0	0	0	0	0	1	1	0	18	0	0	0	0	0	18	0	0	0	0	0	0	0	23
8:30 AM	0	1	0	0	0	0	1	0	2	0	0	0	0	2	0	7	0	0	0	0	0	7	0	0	0	0	0	0	0	10
8:45 AM	0	5	0	0	0	0	5	1	3	0	0	0	0	4	0	9	0	0	0	0	0	9	0	0	0	0	0	0	0	18
9:00 AM	0	7	0	0	0	0	7	0	2	0	0	0	0	2	0	12	0	0	0	0	0	12	0	0	0	0	0	0	0	21
Total Volume	0	17	0	0	0	0	17	1	7	0	0	0	1	9	0	46	0	0	0	0	0	46	0	0	0	0	0	0	0	72
% Approach Total	0.0	100.0	0.0	0.0	0.0	0.0		11.1	77.8	0.0	0.0	0.0	11.1		0.0	100.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0			
PHF	0.000	0.607	0.000	0.000	0.000	0.000	0.607	0.250	0.583	0.000	0.000	0.000	0.250	0.563	0.000	0.639	0.000	0.000	0.000	0.000	0.639	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.783	
Entering Leg	0	17	0	0	0	0	17	1	7	0	0	0	1	9	0	46	0	0	0	0	0	46	0	0	0	0	0	0	0	72
Exiting Leg	47							1							17							7							72	
Total	64							10							63							7							144	

PDI File #: 186591-17  
 Location: N: Central Square S: Western Ave/River St  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Central Square							Green Street							Western Ave/River St							Green Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	8	3	11	0	0	0	0	7	17	24	0	0	0	0	1	2	3	0	0	0	0	18	13	31	69
7:15 AM	0	0	0	0	4	2	6	0	0	0	0	10	35	45	0	0	0	0	2	4	6	0	0	0	0	20	12	32	89
7:30 AM	0	0	0	0	1	0	1	0	0	0	0	12	31	43	0	0	0	0	5	4	9	0	0	0	0	20	13	33	86
7:45 AM	0	0	0	0	3	4	7	0	0	0	0	12	38	50	0	0	0	0	7	3	10	0	0	0	0	39	15	54	121
Total	0	0	0	0	16	9	25	0	0	0	0	41	121	162	0	0	0	0	15	13	28	0	0	0	0	97	53	150	365
8:00 AM	0	0	0	0	8	4	12	0	0	0	0	15	60	75	0	0	0	0	5	4	9	0	0	0	0	59	11	70	166
8:15 AM	0	0	0	0	3	9	12	0	0	0	0	20	37	57	0	0	0	0	11	7	18	0	0	0	0	56	28	84	171
8:30 AM	0	0	0	0	6	6	12	0	0	0	0	9	57	66	0	0	0	0	14	2	16	0	0	0	0	65	28	93	187
8:45 AM	0	0	0	0	12	10	22	0	0	0	0	8	43	51	0	0	0	0	10	7	17	0	0	0	0	67	28	95	185
Total	0	0	0	0	29	29	58	0	0	0	0	52	197	249	0	0	0	0	40	20	60	0	0	0	0	247	95	342	709
9:00 AM	0	0	0	0	4	7	11	0	0	0	0	10	40	50	0	0	0	0	10	2	12	0	0	0	0	29	22	51	124
9:15 AM	0	0	0	0	5	9	14	0	0	0	0	5	37	42	0	0	0	0	3	8	11	0	0	0	0	36	19	55	122
9:30 AM	0	0	0	0	9	10	19	0	0	0	0	28	28	56	0	0	0	0	7	6	13	0	0	0	0	38	21	59	147
9:45 AM	0	0	0	0	4	5	9	0	0	0	0	17	16	33	0	0	0	0	8	5	13	0	0	0	0	21	17	38	93
Total	0	0	0	0	22	31	53	0	0	0	0	60	121	181	0	0	0	0	28	21	49	0	0	0	0	124	79	203	486
Grand Total	0	0	0	0	67	69	136	0	0	0	0	153	439	592	0	0	0	0	83	54	137	0	0	0	0	468	227	695	1560
Approach %	0	0	0	0	49.3	50.7		0	0	0	0	25.8	74.2		0	0	0	0	60.6	39.4		0	0	0	0	67.3	32.7		
Total %	0	0	0	0	4.29	4.42	8.72	0	0	0	0	9.81	28.1	37.9	0	0	0	0	5.32	3.46	8.78	0	0	0	0	30	14.6	44.6	
Exiting Leg Total	136							592							137							695							1560

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Central Square							Green Street							Western Ave/River St							Green Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:00 AM	0	0	0	0	8	4	12	0	0	0	0	15	60	75	0	0	0	0	5	4	9	0	0	0	0	59	11	70	166
8:15 AM	0	0	0	0	3	9	12	0	0	0	0	20	37	57	0	0	0	0	11	7	18	0	0	0	0	56	28	84	171
8:30 AM	0	0	0	0	6	6	12	0	0	0	0	9	57	66	0	0	0	0	14	2	16	0	0	0	0	65	28	93	187
8:45 AM	0	0	0	0	12	10	22	0	0	0	0	8	43	51	0	0	0	0	10	7	17	0	0	0	0	67	28	95	185
Total Volume	0	0	0	0	29	29	58	0	0	0	0	52	197	249	0	0	0	0	40	20	60	0	0	0	0	247	95	342	709
% Approach Total	0.0	0.0	0.0	0.0	50.0	50.0		0.0	0.0	0.0	0.0	20.9	79.1		0.0	0.0	0.0	0.0	66.7	33.3		0.0	0.0	0.0	0.0	72.2	27.8		
PHF	0.000	0.000	0.000	0.000	0.604	0.725	0.659	0.000	0.000	0.000	0.000	0.650	0.821	0.830	0.000	0.000	0.000	0.000	0.714	0.714	0.833	0.000	0.000	0.000	0.000	0.922	0.848	0.900	0.948
Entering Leg	0	0	0	0	29	29	58	0	0	0	0	52	197	249	0	0	0	0	40	20	60	0	0	0	0	247	95	342	709
Exiting Leg	58							249							60							342							709
Total	116							498							120							684							1418

PDI File #: **186591-17**  
 Location: **N: Central Square S: Western Ave/River St**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

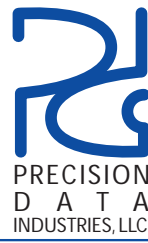
**Cars and Heavy Vehicles (Combined)**

	Central Square					Green Street					Western Ave/River St					Green Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	5	95	0	0	100	21	30	45	0	96	0	135	19	6	160	0	0	0	0	0	356	
4:45 PM	1	101	0	0	102	19	19	41	0	79	0	120	27	8	155	0	0	0	0	0	336	
<b>Total</b>	<b>6</b>	<b>196</b>	<b>0</b>	<b>0</b>	<b>202</b>	<b>40</b>	<b>49</b>	<b>86</b>	<b>0</b>	<b>175</b>	<b>0</b>	<b>255</b>	<b>46</b>	<b>14</b>	<b>315</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>692</b>	
5:00 PM	5	86	0	0	91	17	33	37	0	87	0	118	27	9	154	0	0	0	0	0	332	
5:15 PM	6	109	0	0	115	17	27	36	0	80	0	119	33	10	162	0	0	0	0	0	357	
5:30 PM	4	99	0	0	103	26	31	49	0	106	0	116	34	6	156	0	0	0	0	0	365	
5:45 PM	2	103	0	0	105	18	39	30	0	87	0	111	32	1	144	0	0	0	0	0	336	
<b>Total</b>	<b>17</b>	<b>397</b>	<b>0</b>	<b>0</b>	<b>414</b>	<b>78</b>	<b>130</b>	<b>152</b>	<b>0</b>	<b>360</b>	<b>0</b>	<b>464</b>	<b>126</b>	<b>26</b>	<b>616</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1390</b>	
6:00 PM	4	110	0	0	114	19	22	44	0	85	0	123	40	8	171	0	0	0	0	0	370	
6:15 PM	6	95	0	0	101	19	27	45	0	91	0	142	32	0	174	0	0	0	0	0	366	
6:30 PM	3	113	0	0	116	12	12	42	0	66	0	140	34	6	180	0	0	0	0	0	362	
6:45 PM	11	110	0	0	121	18	21	28	0	67	0	147	28	3	178	0	0	0	0	0	366	
<b>Total</b>	<b>24</b>	<b>428</b>	<b>0</b>	<b>0</b>	<b>452</b>	<b>68</b>	<b>82</b>	<b>159</b>	<b>0</b>	<b>309</b>	<b>0</b>	<b>552</b>	<b>134</b>	<b>17</b>	<b>703</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1464</b>	
7:00 PM	4	90	0	0	94	21	17	46	0	84	0	121	21	10	152	0	0	0	0	0	330	
7:15 PM	9	80	0	0	89	23	16	47	0	86	0	128	23	3	154	0	0	0	0	0	329	
<b>Total</b>	<b>13</b>	<b>170</b>	<b>0</b>	<b>0</b>	<b>183</b>	<b>44</b>	<b>33</b>	<b>93</b>	<b>0</b>	<b>170</b>	<b>0</b>	<b>249</b>	<b>44</b>	<b>13</b>	<b>306</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>659</b>	
<b>Grand Total</b>	<b>60</b>	<b>1191</b>	<b>0</b>	<b>0</b>	<b>1251</b>	<b>230</b>	<b>294</b>	<b>490</b>	<b>0</b>	<b>1014</b>	<b>0</b>	<b>1520</b>	<b>350</b>	<b>70</b>	<b>1940</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4205</b>	
<b>Approach %</b>	<b>4.8</b>	<b>95.2</b>	<b>0.0</b>	<b>0.0</b>		<b>22.7</b>	<b>29.0</b>	<b>48.3</b>	<b>0.0</b>		<b>0.0</b>	<b>78.4</b>	<b>18.0</b>	<b>3.6</b>		<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>			
<b>Total %</b>	<b>1.4</b>	<b>28.3</b>	<b>0.0</b>	<b>0.0</b>	<b>29.8</b>	<b>5.5</b>	<b>7.0</b>	<b>11.7</b>	<b>0.0</b>	<b>24.1</b>	<b>0.0</b>	<b>36.1</b>	<b>8.3</b>	<b>1.7</b>	<b>46.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
Exiting Leg Total					1750					0					1751						704	4205
Cars	59	1153	0	0	1212	223	292	459	0	974	0	1465	342	70	1877	0	0	0	0	0	4063	
% Cars	98.3	96.8	0.0	0.0	96.9	97.0	99.3	93.7	0.0	96.1	0.0	96.4	97.7	100.0	96.8	0.0	0.0	0.0	0.0	0.0	96.6	
Exiting Leg Total					1688					0					1682						693	4063
Heavy Vehicles	1	38	0	0	39	7	2	31	0	40	0	55	8	0	63	0	0	0	0	0	142	
% Heavy Vehicles	1.7	3.2	0.0	0.0	3.1	3.0	0.7	6.3	0.0	3.9	0.0	3.6	2.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	3.4	
Exiting Leg Total					62					0					69						11	142

**Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:**

6:00 PM	Central Square					Green Street					Western Ave/River St					Green Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
6:00 PM	4	110	0	0	114	19	22	44	0	85	0	123	40	8	171	0	0	0	0	0	370	
6:15 PM	6	95	0	0	101	19	27	45	0	91	0	142	32	0	174	0	0	0	0	0	366	
6:30 PM	3	113	0	0	116	12	12	42	0	66	0	140	34	6	180	0	0	0	0	0	362	
6:45 PM	11	110	0	0	121	18	21	28	0	67	0	147	28	3	178	0	0	0	0	0	366	
<b>Total Volume</b>	<b>24</b>	<b>428</b>	<b>0</b>	<b>0</b>	<b>452</b>	<b>68</b>	<b>82</b>	<b>159</b>	<b>0</b>	<b>309</b>	<b>0</b>	<b>552</b>	<b>134</b>	<b>17</b>	<b>703</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1464</b>	
<b>% Approach Total</b>	<b>5.3</b>	<b>94.7</b>	<b>0.0</b>	<b>0.0</b>		<b>22.0</b>	<b>26.5</b>	<b>51.5</b>	<b>0.0</b>		<b>0.0</b>	<b>78.5</b>	<b>19.1</b>	<b>2.4</b>		<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>			
<b>PHF</b>	<b>0.545</b>	<b>0.947</b>	<b>0.000</b>	<b>0.000</b>	<b>0.934</b>	<b>0.895</b>	<b>0.759</b>	<b>0.883</b>	<b>0.000</b>	<b>0.849</b>	<b>0.000</b>	<b>0.939</b>	<b>0.838</b>	<b>0.531</b>	<b>0.976</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.989</b>	
Cars	24	412	0	0	436	68	82	147	0	297	0	536	131	17	684	0	0	0	0	0	1417	
Cars %	100.0	96.3	0.0	0.0	96.5	100.0	100.0	92.5	0.0	96.1	0.0	97.1	97.8	100.0	97.3	0.0	0.0	0.0	0.0	0.0	96.8	
Heavy Vehicles	0	16	0	0	16	0	0	12	0	12	0	16	3	0	19	0	0	0	0	0	47	
Heavy Vehicles %	0.0	3.7	0.0	0.0	3.5	0.0	0.0	7.5	0.0	3.9	0.0	2.9	2.2	0.0	2.7	0.0	0.0	0.0	0.0	0.0	3.2	
Cars Enter Leg	24	412	0	0	436	68	82	147	0	297	0	536	131	17	684	0	0	0	0	0	1417	
Heavy Enter Leg	0	16	0	0	16	0	0	12	0	12	0	16	3	0	19	0	0	0	0	0	47	
<b>Total Entering Leg</b>	<b>24</b>	<b>428</b>	<b>0</b>	<b>0</b>	<b>452</b>	<b>68</b>	<b>82</b>	<b>159</b>	<b>0</b>	<b>309</b>	<b>0</b>	<b>552</b>	<b>134</b>	<b>17</b>	<b>703</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1464</b>	
Cars Exiting Leg					604					0					576						237	1417
Heavy Exiting Leg					16					0					28						3	47
<b>Total Exiting Leg</b>					<b>620</b>					<b>0</b>					<b>604</b>						<b>240</b>	<b>1464</b>

PDI File #: 186591-17  
 Location: N: Central Square S: Western Ave/River St  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahan/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	5	91	0	0	96	20	29	43	0	92	0	131	19	6	156	0	0	0	0	0	344
4:45 PM	1	99	0	0	100	16	19	37	0	72	0	114	25	8	147	0	0	0	0	0	319
Total	6	190	0	0	196	36	48	80	0	164	0	245	44	14	303	0	0	0	0	0	663
5:00 PM	5	83	0	0	88	16	33	35	0	84	0	114	27	9	150	0	0	0	0	0	322
5:15 PM	5	108	0	0	113	16	27	32	0	75	0	115	32	10	157	0	0	0	0	0	345
5:30 PM	4	97	0	0	101	25	31	47	0	103	0	112	33	6	151	0	0	0	0	0	355
5:45 PM	2	97	0	0	99	18	39	29	0	86	0	100	32	1	133	0	0	0	0	0	318
Total	16	385	0	0	401	75	130	143	0	348	0	441	124	26	591	0	0	0	0	0	1340
6:00 PM	4	109	0	0	113	19	22	42	0	83	0	119	39	8	166	0	0	0	0	0	362
6:15 PM	6	91	0	0	97	19	27	40	0	86	0	140	32	0	172	0	0	0	0	0	355
6:30 PM	3	109	0	0	112	12	12	38	0	62	0	136	33	6	175	0	0	0	0	0	349
6:45 PM	11	103	0	0	114	18	21	27	0	66	0	141	27	3	171	0	0	0	0	0	351
Total	24	412	0	0	436	68	82	147	0	297	0	536	131	17	684	0	0	0	0	0	1417
7:00 PM	4	87	0	0	91	21	16	44	0	81	0	118	20	10	148	0	0	0	0	0	320
7:15 PM	9	79	0	0	88	23	16	45	0	84	0	125	23	3	151	0	0	0	0	0	323
Total	13	166	0	0	179	44	32	89	0	165	0	243	43	13	299	0	0	0	0	0	643
Grand Total	59	1153	0	0	1212	223	292	459	0	974	0	1465	342	70	1877	0	0	0	0	0	4063
Approach %	4.9	95.1	0.0	0.0		22.9	30.0	47.1	0.0		0.0	78.1	18.2	3.7		0.0	0.0	0.0	0.0		
Total %	1.5	28.4	0.0	0.0	29.8	5.5	7.2	11.3	0.0	24.0	0.0	36.1	8.4	1.7	46.2	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	1688					0					1682					693					4063

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	4	109	0	0	113	19	22	42	0	83	0	119	39	8	166	0	0	0	0	0	362
6:15 PM	6	91	0	0	97	19	27	40	0	86	0	140	32	0	172	0	0	0	0	0	355
6:30 PM	3	109	0	0	112	12	12	38	0	62	0	136	33	6	175	0	0	0	0	0	349
6:45 PM	11	103	0	0	114	18	21	27	0	66	0	141	27	3	171	0	0	0	0	0	351
Total Volume	24	412	0	0	436	68	82	147	0	297	0	536	131	17	684	0	0	0	0	0	1417
% Approach Total	5.5	94.5	0.0	0.0		22.9	27.6	49.5	0.0		0.0	78.4	19.2	2.5		0.0	0.0	0.0	0.0		
PHF	0.545	0.945	0.000	0.000	0.956	0.895	0.759	0.875	0.000	0.863	0.000	0.950	0.840	0.531	0.977	0.000	0.000	0.000	0.000	0.000	0.979
Entering Leg	24	412	0	0	436	68	82	147	0	297	0	536	131	17	684	0	0	0	0	0	1417
Exiting Leg	604					0					576					237					1417
Total	1040					297					1260					237					2834

PDI File #: **186591-17**  
 Location: **N: Central Square S: Western Ave/River St**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:

PRECISION  
 DATA  
 INDUSTRIES, LLC  
 46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Central Square					Green Street					Western Ave/River St					Green Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	0	4	0	0	4	1	1	2	0	4	0	4	0	0	4	0	0	0	0	0	12	
4:45 PM	0	2	0	0	2	3	0	4	0	7	0	6	2	0	8	0	0	0	0	0	17	
<b>Total</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	
5:00 PM	0	3	0	0	3	1	0	2	0	3	0	4	0	0	4	0	0	0	0	0	10	
5:15 PM	1	1	0	0	2	1	0	4	0	5	0	4	1	0	5	0	0	0	0	0	12	
5:30 PM	0	2	0	0	2	1	0	2	0	3	0	4	1	0	5	0	0	0	0	0	10	
5:45 PM	0	6	0	0	6	0	0	1	0	1	0	11	0	0	11	0	0	0	0	0	18	
<b>Total</b>	<b>1</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>3</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>23</b>	<b>2</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	
6:00 PM	0	1	0	0	1	0	0	2	0	2	0	4	1	0	5	0	0	0	0	0	8	
6:15 PM	0	4	0	0	4	0	0	5	0	5	0	2	0	0	2	0	0	0	0	0	11	
6:30 PM	0	4	0	0	4	0	0	4	0	4	0	4	1	0	5	0	0	0	0	0	13	
6:45 PM	0	7	0	0	7	0	0	1	0	1	0	6	1	0	7	0	0	0	0	0	15	
<b>Total</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>16</b>	<b>3</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47</b>	
7:00 PM	0	3	0	0	3	0	1	2	0	3	0	3	1	0	4	0	0	0	0	0	10	
7:15 PM	0	1	0	0	1	0	0	2	0	2	0	3	0	0	3	0	0	0	0	0	6	
<b>Total</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	
Grand Total	1	38	0	0	39	7	2	31	0	40	0	55	8	0	63	0	0	0	0	0	142	
Approach %	2.6	97.4	0.0	0.0		17.5	5.0	77.5	0.0		0.0	87.3	12.7	0.0		0.0	0.0	0.0	0.0			
Total %	0.7	26.8	0.0	0.0	27.5	4.9	1.4	21.8	0.0	28.2	0.0	38.7	5.6	0.0	44.4	0.0	0.0	0.0	0.0	0.0		
Exiting Leg Total						62					0					69					11	142
Buses	0	22	0	0	22	6	0	24	0	30	0	44	1	0	45	0	0	0	0	0	97	
% Buses	0.0	57.9	0.0	0.0	56.4	85.7	0.0	77.4	0.0	75.0	0.0	80.0	12.5	0.0	71.4	0.0	0.0	0.0	0.0	0.0	68.3	
Exiting Leg Total						50					0					46					1	97
Single-Unit Trucks	1	16	0	0	17	1	2	7	0	10	0	7	7	0	14	0	0	0	0	0	41	
% Single-Unit	100.0	42.1	0.0	0.0	43.6	14.3	100.0	22.6	0.0	25.0	0.0	12.7	87.5	0.0	22.2	0.0	0.0	0.0	0.0	0.0	28.9	
Exiting Leg Total						8					0					23					10	41
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	4	
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	2.8	
Exiting Leg Total						4					0					0					0	4

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

4:30 PM	Central Square					Green Street					Western Ave/River St					Green Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	0	4	0	0	4	1	1	2	0	4	0	4	0	0	4	0	0	0	0	0	12	
4:45 PM	0	2	0	0	2	3	0	4	0	7	0	6	2	0	8	0	0	0	0	0	17	
5:00 PM	0	3	0	0	3	1	0	2	0	3	0	4	0	0	4	0	0	0	0	0	10	
5:15 PM	1	1	0	0	2	1	0	4	0	5	0	4	1	0	5	0	0	0	0	0	12	
Total Volume	1	10	0	0	11	6	1	12	0	19	0	18	3	0	21	0	0	0	0	0	51	
% Approach Total	9.1	90.9	0.0	0.0		31.6	5.3	63.2	0.0		0.0	85.7	14.3	0.0		0.0	0.0	0.0	0.0			
PHF	0.250	0.625	0.000	0.000	0.688	0.500	0.250	0.750	0.000	0.679	0.000	0.750	0.375	0.000	0.656	0.000	0.000	0.000	0.000	0.000	0.750	
Buses	0	6	0	0	6	5	0	8	0	13	0	12	1	0	13	0	0	0	0	0	32	
Buses %	0.0	60.0	0.0	0.0	54.5	83.3	0.0	66.7	0.0	68.4	0.0	66.7	33.3	0.0	61.9	0.0	0.0	0.0	0.0	0.0	62.7	
Single-Unit Trucks	1	4	0	0	5	1	1	4	0	6	0	5	2	0	7	0	0	0	0	0	18	
Single-Unit %	100.0	40.0	0.0	0.0	45.5	16.7	100.0	33.3	0.0	31.6	0.0	27.8	66.7	0.0	33.3	0.0	0.0	0.0	0.0	0.0	35.3	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	2.0	
Buses	0	6	0	0	6	5	0	8	0	13	0	12	1	0	13	0	0	0	0	0	32	
Single-Unit Trucks	1	4	0	0	5	1	1	4	0	6	0	5	2	0	7	0	0	0	0	0	18	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	
Total Entering Leg	1	10	0	0	11	6	1	12	0	19	0	18	3	0	21	0	0	0	0	0	51	
Buses						17					0					14					1	32
Single-Unit Trucks						6					0					8					4	18
Articulated Trucks						1					0					0					0	1
Total Exiting Leg						24					0					22					5	51



PDI File #: **186591-17**  
 Location: **N: Central Square S: Western Ave/River St**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
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**Cars**

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	4	84	0	0	88	20	28	41	0	89	0	128	19	6	153	0	0	0	0	0	330
4:45 PM	0	91	0	0	91	15	19	35	0	69	0	111	24	8	143	0	0	0	0	0	303
Total	4	175	0	0	179	35	47	76	0	158	0	239	43	14	296	0	0	0	0	0	633
5:00 PM	5	76	0	0	81	15	33	34	0	82	0	108	26	9	143	0	0	0	0	0	306
5:15 PM	5	100	0	0	105	16	27	32	0	75	0	111	31	10	152	0	0	0	0	0	332
5:30 PM	4	94	0	0	98	24	29	46	0	99	0	110	33	6	149	0	0	0	0	0	346
5:45 PM	2	94	0	0	96	18	39	29	0	86	0	96	32	1	129	0	0	0	0	0	311
Total	16	364	0	0	380	73	128	141	0	342	0	425	122	26	573	0	0	0	0	0	1295
6:00 PM	4	108	0	0	112	19	20	42	0	81	0	112	38	8	158	0	0	0	0	0	351
6:15 PM	6	87	0	0	93	18	25	40	0	83	0	136	31	0	167	0	0	0	0	0	343
6:30 PM	3	105	0	0	108	12	12	36	0	60	0	132	31	6	169	0	0	0	0	0	337
6:45 PM	10	101	0	0	111	18	20	25	0	63	0	137	27	3	167	0	0	0	0	0	341
Total	23	401	0	0	424	67	77	143	0	287	0	517	127	17	661	0	0	0	0	0	1372
7:00 PM	4	84	0	0	88	20	14	44	0	78	0	117	20	10	147	0	0	0	0	0	313
7:15 PM	9	73	0	0	82	22	15	43	0	80	0	124	23	3	150	0	0	0	0	0	312
Total	13	157	0	0	170	42	29	87	0	158	0	241	43	13	297	0	0	0	0	0	625
Grand Total	56	1097	0	0	1153	217	281	447	0	945	0	1422	335	70	1827	0	0	0	0	0	3925
Approach %	4.9	95.1	0.0	0.0		23.0	29.7	47.3	0.0		0.0	77.8	18.3	3.8		0.0	0.0	0.0	0.0		
Total %	1.4	27.9	0.0	0.0	29.4	5.5	7.2	11.4	0.0	24.1	0.0	36.2	8.5	1.8	46.5	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	1639					0					1614					672					3925

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	4	108	0	0	112	19	20	42	0	81	0	112	38	8	158	0	0	0	0	0	351
6:15 PM	6	87	0	0	93	18	25	40	0	83	0	136	31	0	167	0	0	0	0	0	343
6:30 PM	3	105	0	0	108	12	12	36	0	60	0	132	31	6	169	0	0	0	0	0	337
6:45 PM	10	101	0	0	111	18	20	25	0	63	0	137	27	3	167	0	0	0	0	0	341
Total Volume	23	401	0	0	424	67	77	143	0	287	0	517	127	17	661	0	0	0	0	0	1372
% Approach Total	5.4	94.6	0.0	0.0		23.3	26.8	49.8	0.0		0.0	78.2	19.2	2.6		0.0	0.0	0.0	0.0		
PHF	0.575	0.928	0.000	0.000	0.946	0.882	0.770	0.851	0.000	0.864	0.000	0.943	0.836	0.531	0.978	0.000	0.000	0.000	0.000	0.000	0.977
Entering Leg	23	401	0	0	424	67	77	143	0	287	0	517	127	17	661	0	0	0	0	0	1372
Exiting Leg	584					0					561					227					1372
Total	1008					287					1222					227					2744

PDI File #: **186591-17**  
 Location: **N: Central Square S: Western Ave/River St**  
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 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
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 Class:



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**Light Goods Vehicle**

	Central Square					Green Street					Western Ave/River St					Green Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
4:30 PM	1	7	0	0	8	0	1	2	0	3	0	3	0	0	3	0	0	0	0	0	14					
4:45 PM	1	8	0	0	9	1	0	2	0	3	0	3	1	0	4	0	0	0	0	0	16					
Total	2	15	0	0	17	1	1	4	0	6	0	6	1	0	7	0	0	0	0	0	30					
5:00 PM	0	7	0	0	7	1	0	1	0	2	0	6	1	0	7	0	0	0	0	0	16					
5:15 PM	0	8	0	0	8	0	0	0	0	0	0	4	1	0	5	0	0	0	0	0	13					
5:30 PM	0	2	0	0	2	1	2	1	0	4	0	2	0	0	2	0	0	0	0	0	8					
5:45 PM	0	3	0	0	3	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	5					
Total	0	20	0	0	20	2	2	2	0	6	0	14	2	0	16	0	0	0	0	0	42					
6:00 PM	0	0	0	0	0	0	1	0	0	1	0	7	1	0	8	0	0	0	0	0	9					
6:15 PM	0	4	0	0	4	1	2	0	0	3	0	4	1	0	5	0	0	0	0	0	12					
6:30 PM	0	4	0	0	4	0	0	1	0	1	0	3	2	0	5	0	0	0	0	0	10					
6:45 PM	1	2	0	0	3	0	1	2	0	3	0	3	0	0	3	0	0	0	0	0	9					
Total	1	10	0	0	11	1	4	3	0	8	0	17	4	0	21	0	0	0	0	0	40					
7:00 PM	0	3	0	0	3	0	2	0	0	2	0	1	0	0	1	0	0	0	0	0	6					
7:15 PM	0	6	0	0	6	0	1	2	0	3	0	1	0	0	1	0	0	0	0	0	10					
Total	0	9	0	0	9	0	3	2	0	5	0	2	0	0	2	0	0	0	0	0	16					
Grand Total	3	54	0	0	57	4	10	11	0	25	0	39	7	0	46	0	0	0	0	0	128					
Approach %	5.3	94.7	0.0	0.0		16.0	40.0	44.0	0.0		0.0	84.8	15.2	0.0		0.0	0.0	0.0	0.0							
Total %	2.3	42.2	0.0	0.0	44.5	3.1	7.8	8.6	0.0	19.5	0.0	30.5	5.5	0.0	35.9	0.0	0.0	0.0	0.0	0.0						
Exiting Leg Total						43					0					65					20					128

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Central Square					Green Street					Western Ave/River St					Green Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	1	7	0	0	8	0	1	2	0	3	0	3	0	0	3	0	0	0	0	0	14	
4:45 PM	1	8	0	0	9	1	0	2	0	3	0	3	1	0	4	0	0	0	0	0	16	
5:00 PM	0	7	0	0	7	1	0	1	0	2	0	6	1	0	7	0	0	0	0	0	16	
5:15 PM	0	8	0	0	8	0	0	0	0	0	0	4	1	0	5	0	0	0	0	0	13	
Total Volume	2	30	0	0	32	2	1	5	0	8	0	16	3	0	19	0	0	0	0	0	59	
% Approach Total	6.3	93.8	0.0	0.0		25.0	12.5	62.5	0.0		0.0	84.2	15.8	0.0		0.0	0.0	0.0	0.0			
PHF	0.500	0.938	0.000	0.000	0.889	0.500	0.250	0.625	0.000	0.667	0.000	0.667	0.750	0.000	0.679	0.000	0.000	0.000	0.000	0.000	0.922	
Entering Leg	2	30	0	0	32	2	1	5	0	8	0	16	3	0	19	0	0	0	0	0	59	
Exiting Leg						18					0					35					6	
Total						50					8					54					6	118

PDI File #: **186591-17**  
 Location: **N: Central Square S: Western Ave/River St**  
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**Buses**

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	1	0	0	1	1	0	1	0	2	0	3	0	0	3	0	0	0	0	0	6
4:45 PM	0	1	0	0	1	2	0	3	0	5	0	4	1	0	5	0	0	0	0	0	11
<b>Total</b>	0	2	0	0	2	3	0	4	0	7	0	7	1	0	8	0	0	0	0	0	17
5:00 PM	0	3	0	0	3	1	0	1	0	2	0	2	0	0	2	0	0	0	0	0	7
5:15 PM	0	1	0	0	1	1	0	3	0	4	0	3	0	0	3	0	0	0	0	0	8
5:30 PM	0	2	0	0	2	1	0	2	0	3	0	3	0	0	3	0	0	0	0	0	8
5:45 PM	0	3	0	0	3	0	0	1	0	1	0	10	0	0	10	0	0	0	0	0	14
<b>Total</b>	0	9	0	0	9	3	0	7	0	10	0	18	0	0	18	0	0	0	0	0	37
6:00 PM	0	1	0	0	1	0	0	2	0	2	0	3	0	0	3	0	0	0	0	0	6
6:15 PM	0	2	0	0	2	0	0	3	0	3	0	2	0	0	2	0	0	0	0	0	7
6:30 PM	0	2	0	0	2	0	0	3	0	3	0	4	0	0	4	0	0	0	0	0	9
6:45 PM	0	4	0	0	4	0	0	1	0	1	0	5	0	0	5	0	0	0	0	0	10
<b>Total</b>	0	9	0	0	9	0	0	9	0	9	0	14	0	0	14	0	0	0	0	0	32
7:00 PM	0	1	0	0	1	0	0	2	0	2	0	3	0	0	3	0	0	0	0	0	6
7:15 PM	0	1	0	0	1	0	0	2	0	2	0	2	0	0	2	0	0	0	0	0	5
<b>Total</b>	0	2	0	0	2	0	0	4	0	4	0	5	0	0	5	0	0	0	0	0	11
<b>Grand Total</b>	0	22	0	0	22	6	0	24	0	30	0	44	1	0	45	0	0	0	0	0	97
Approach %	0.0	100.0	0.0	0.0		20.0	0.0	80.0	0.0		0.0	97.8	2.2	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	22.7	0.0	0.0	22.7	6.2	0.0	24.7	0.0	30.9	0.0	45.4	1.0	0.0	46.4	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	50					0					46					1					97

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:00 PM	0	3	0	0	3	1	0	1	0	2	0	2	0	0	2	0	0	0	0	0	7
5:15 PM	0	1	0	0	1	1	0	3	0	4	0	3	0	0	3	0	0	0	0	0	8
5:30 PM	0	2	0	0	2	1	0	2	0	3	0	3	0	0	3	0	0	0	0	0	8
5:45 PM	0	3	0	0	3	0	0	1	0	1	0	10	0	0	10	0	0	0	0	0	14
<b>Total Volume</b>	0	9	0	0	9	3	0	7	0	10	0	18	0	0	18	0	0	0	0	0	37
% Approach Total	0.0	100.0	0.0	0.0		30.0	0.0	70.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.750	0.000	0.000	0.750	0.750	0.000	0.583	0.000	0.625	0.000	0.450	0.000	0.000	0.450	0.000	0.000	0.000	0.000	0.000	0.661
Entering Leg	0	9	0	0	9	3	0	7	0	10	0	18	0	0	18	0	0	0	0	0	37
Exiting Leg	21					0					16					0					37
<b>Total</b>	30					10					34					0					74

PDI File #: **186591-17**  
 Location: **N: Central Square S: Western Ave/River St**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	3	0	0	3	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	5
4:45 PM	0	1	0	0	1	1	0	1	0	2	0	2	1	0	3	0	0	0	0	0	6
<b>Total</b>	0	4	0	0	4	1	1	2	0	4	0	2	1	0	3	0	0	0	0	0	11
5:00 PM	0	0	0	0	0	0	0	1	0	1	0	2	0	0	2	0	0	0	0	0	3
5:15 PM	1	0	0	0	1	0	0	1	0	1	0	1	1	0	2	0	0	0	0	0	4
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
5:45 PM	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	4
<b>Total</b>	1	3	0	0	4	0	0	2	0	2	0	4	2	0	6	0	0	0	0	0	12
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
6:15 PM	0	2	0	0	2	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	4
6:30 PM	0	2	0	0	2	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	4
6:45 PM	0	3	0	0	3	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	4
<b>Total</b>	0	7	0	0	7	0	0	3	0	3	0	0	3	0	3	0	0	0	0	0	13
7:00 PM	0	2	0	0	2	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	4
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
<b>Total</b>	0	2	0	0	2	0	1	0	0	1	0	1	1	0	2	0	0	0	0	0	5
<b>Grand Total</b>	1	16	0	0	17	1	2	7	0	10	0	7	7	0	14	0	0	0	0	0	41
Approach %	5.9	94.1	0.0	0.0		10.0	20.0	70.0	0.0		0.0	50.0	50.0	0.0		0.0	0.0	0.0	0.0		
Total %	2.4	39.0	0.0	0.0	41.5	2.4	4.9	17.1	0.0	24.4	0.0	17.1	17.1	0.0	34.1	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	8					0					23					10					41

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	3	0	0	3	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	5
4:45 PM	0	1	0	0	1	1	0	1	0	2	0	2	1	0	3	0	0	0	0	0	6
5:00 PM	0	0	0	0	0	0	0	1	0	1	0	2	0	0	2	0	0	0	0	0	3
5:15 PM	1	0	0	0	1	0	0	1	0	1	0	1	1	0	2	0	0	0	0	0	4
<b>Total Volume</b>	1	4	0	0	5	1	1	4	0	6	0	5	2	0	7	0	0	0	0	0	18
% Approach Total	20.0	80.0	0.0	0.0		16.7	16.7	66.7	0.0		0.0	71.4	28.6	0.0		0.0	0.0	0.0	0.0		
PHF	0.250	0.333	0.000	0.000	0.417	0.250	0.250	1.000	0.000	0.750	0.000	0.625	0.500	0.000	0.583	0.000	0.000	0.000	0.000	0.000	0.750
Entering Leg	1	4	0	0	5	1	1	4	0	6	0	5	2	0	7	0	0	0	0	0	18
Exiting Leg	6					0					8					4					18
<b>Total</b>	11					6					15					4					36

PDI File #: **186591-17**  
 Location: **N: Central Square S: Western Ave/River St**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	4
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	4					0					0					0					4

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Central Square					Green Street					Western Ave/River St					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
Exiting Leg	2					0					0					0					2
Total	2					0					2					0					4

PDI File #: 186591-17  
 Location: N: Central Square S: Western Ave/River St  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
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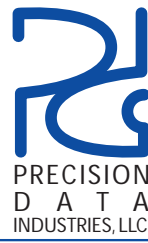
**Bicycles (on Roadway and Crosswalks)**

	Central Square							Green Street							Western Ave/River St							Green Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	1	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	5			
4:45 PM	0	3	0	0	0	0	3	0	2	0	0	0	1	3	0	3	0	0	0	0	0	0	0	0	0	9			
Total	1	5	0	0	0	0	6	0	2	0	0	0	1	3	0	5	0	0	0	0	0	0	0	0	0	14			
5:00 PM	0	11	0	0	0	0	11	0	1	0	0	1	0	2	0	5	0	0	0	0	1	6	0	0	0	19			
5:15 PM	1	7	0	0	0	0	8	0	4	3	0	1	0	8	0	4	0	0	0	0	0	4	0	0	0	20			
5:30 PM	0	2	0	0	0	0	2	0	1	4	0	1	1	7	0	2	0	0	0	0	0	2	0	0	0	12			
5:45 PM	0	7	0	0	0	0	7	0	1	1	0	0	0	2	0	1	0	0	0	0	0	1	0	0	0	10			
Total	1	27	0	0	0	0	28	0	7	8	0	3	1	19	0	12	0	0	0	0	1	13	0	0	0	61			
6:00 PM	0	12	0	0	0	0	12	0	3	2	0	0	1	6	0	4	0	0	0	0	0	4	0	0	0	22			
6:15 PM	0	7	0	0	0	0	7	0	1	2	0	1	0	4	0	2	0	0	0	0	0	2	0	0	0	13			
6:30 PM	1	11	0	0	0	0	12	0	1	3	0	0	0	4	0	4	1	0	0	0	5	0	0	0	1	22			
6:45 PM	0	4	0	0	0	0	4	0	1	5	0	0	0	6	0	2	0	0	0	0	0	2	0	0	0	12			
Total	1	34	0	0	0	0	35	0	6	12	0	1	1	20	0	12	1	0	0	0	13	0	0	0	1	69			
7:00 PM	0	8	0	0	0	0	8	0	0	7	0	0	0	7	0	2	0	0	0	1	0	3	0	0	0	21			
7:15 PM	1	5	0	0	0	0	6	0	0	0	0	0	0	0	0	6	0	0	0	0	0	6	0	0	0	12			
Total	1	13	0	0	0	0	14	0	0	7	0	0	0	7	0	8	0	0	0	1	0	9	0	0	0	33			
Grand Total	4	79	0	0	0	0	83	0	15	27	0	4	3	49	0	37	1	0	1	1	40	0	0	0	3	177			
Approach %	4.8	95.2	0.0	0.0	0.0	0.0		0.0	30.6	55.1	0.0	8.2	6.1		0.0	92.5	2.5	0.0	2.5	2.5		0.0	0.0	0.0	60.0	40.0			
Total %	2.3	44.6	0.0	0.0	0.0	0.0	46.9	0.0	8.5	15.3	0.0	2.3	1.7	27.7	0.0	20.9	0.6	0.0	0.6	0.6	22.6	0.0	0.0	0.0	1.7	1.1	2.8		
Exiting Leg Total	37							7							108							25							177

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

6:00 PM	Central Square							Green Street							Western Ave/River St							Green Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
6:00 PM	0	12	0	0	0	0	12	0	3	2	0	0	1	6	0	4	0	0	0	0	4	0	0	0	0	22			
6:15 PM	0	7	0	0	0	0	7	0	1	2	0	1	0	4	0	2	0	0	0	0	0	2	0	0	0	13			
6:30 PM	1	11	0	0	0	0	12	0	1	3	0	0	0	4	0	4	1	0	0	0	5	0	0	0	1	22			
6:45 PM	0	4	0	0	0	0	4	0	1	5	0	0	0	6	0	2	0	0	0	0	0	2	0	0	0	12			
Total Volume	1	34	0	0	0	0	35	0	6	12	0	1	1	20	0	12	1	0	0	0	13	0	0	0	1	69			
% Approach Total	2.9	97.1	0.0	0.0	0.0	0.0		0.0	30.0	60.0	0.0	5.0	5.0		0.0	92.3	7.7	0.0	0.0	0.0		0.0	0.0	0.0	100.0	0.0			
PHF	0.250	0.708	0.000	0.000	0.000	0.000	0.729	0.000	0.500	0.600	0.000	0.250	0.250	0.833	0.000	0.750	0.250	0.000	0.000	0.000	0.650	0.000	0.000	0.000	0.250	0.000	0.250	0.784	
Entering Leg	1	34	0	0	0	0	35	0	6	12	0	1	1	20	0	12	1	0	0	0	13	0	0	0	1	69			
Exiting Leg	12							2							46							9							69
Total	47							22							59							10							138

PDI File #: 186591-17  
 Location: N: Central Square S: Western Ave/River St  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Central Square							Green Street							Western Ave/River St							Green Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	0	0	0	8	3	11	0	0	0	0	20	16	36	0	0	0	0	5	1	6	0	0	0	0	17	26	43	96
4:45 PM	0	0	0	0	3	1	4	0	0	0	0	25	26	51	0	0	0	0	6	5	11	0	0	0	0	24	33	57	123
Total	0	0	0	0	11	4	15	0	0	0	0	45	42	87	0	0	0	0	11	6	17	0	0	0	0	41	59	100	219
5:00 PM	0	0	0	0	4	7	11	0	0	0	0	25	14	39	0	0	0	0	9	2	11	0	0	0	0	25	33	58	119
5:15 PM	0	0	0	0	11	6	17	0	0	0	0	47	19	66	0	0	0	0	2	5	7	0	0	0	0	16	63	79	169
5:30 PM	0	0	0	0	6	4	10	0	0	0	0	40	33	73	0	0	0	0	9	7	16	0	0	0	0	16	59	75	174
5:45 PM	0	0	0	0	9	13	22	0	0	0	0	51	32	83	0	0	0	0	17	2	19	0	0	0	0	27	56	83	207
Total	0	0	0	0	30	30	60	0	0	0	0	163	98	261	0	0	0	0	37	16	53	0	0	0	0	84	211	295	669
6:00 PM	0	0	0	0	6	14	20	0	0	0	0	55	28	83	0	0	0	0	18	7	25	0	0	0	0	29	64	93	221
6:15 PM	0	0	0	0	2	7	9	0	0	0	0	40	25	65	0	0	0	0	12	9	21	0	0	0	0	17	47	64	159
6:30 PM	0	0	0	0	3	5	8	0	0	0	0	28	21	49	0	0	0	0	8	5	13	0	0	0	0	18	27	45	115
6:45 PM	0	0	0	0	7	5	12	0	0	0	0	33	17	50	0	0	0	0	10	7	17	0	0	0	0	18	39	57	136
Total	0	0	0	0	18	31	49	0	0	0	0	156	91	247	0	0	0	0	48	28	76	0	0	0	0	82	177	259	631
7:00 PM	0	0	0	0	7	14	21	0	0	0	0	53	18	71	0	0	0	0	8	0	8	0	0	0	0	21	37	58	158
7:15 PM	0	0	0	0	3	9	12	0	0	0	0	32	14	46	0	0	0	0	7	3	10	0	0	0	0	10	25	35	103
Total	0	0	0	0	10	23	33	0	0	0	0	85	32	117	0	0	0	0	15	3	18	0	0	0	0	31	62	93	261
Grand Total	0	0	0	0	69	88	157	0	0	0	0	449	263	712	0	0	0	0	111	53	164	0	0	0	0	238	509	747	1780
Approach %	0	0	0	0	43.9	56.1		0	0	0	0	63.1	36.9		0	0	0	0	67.7	32.3		0	0	0	0	31.9	68.1		
Total %	0	0	0	0	3.88	4.94	8.82	0	0	0	0	25.2	14.8	40	0	0	0	0	6.24	2.98	9.21	0	0	0	0	13.4	28.6	42	
Exiting Leg Total	157							712							164							747							1780

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Central Square							Green Street							Western Ave/River St							Green Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:15 PM	0	0	0	0	11	6	17	0	0	0	0	47	19	66	0	0	0	0	2	5	7	0	0	0	0	16	63	79	169
5:30 PM	0	0	0	0	6	4	10	0	0	0	0	40	33	73	0	0	0	0	9	7	16	0	0	0	0	16	59	75	174
5:45 PM	0	0	0	0	9	13	22	0	0	0	0	51	32	83	0	0	0	0	17	2	19	0	0	0	0	27	56	83	207
6:00 PM	0	0	0	0	6	14	20	0	0	0	0	55	28	83	0	0	0	0	18	7	25	0	0	0	0	29	64	93	221
Total Volume	0	0	0	0	32	37	69	0	0	0	0	193	112	305	0	0	0	0	46	21	67	0	0	0	0	88	242	330	771
% Approach Total	0.0	0.0	0.0	0.0	46.4	53.6		0.0	0.0	0.0	0.0	63.3	36.7		0.0	0.0	0.0	0.0	68.7	31.3		0.0	0.0	0.0	0.0	26.7	73.3		
PHF	0.000	0.000	0.000	0.000	0.727	0.661	0.784	0.000	0.000	0.000	0.000	0.877	0.848	0.919	0.000	0.000	0.000	0.000	0.639	0.750	0.670	0.000	0.000	0.000	0.000	0.759	0.945	0.887	0.872
Entering Leg	0	0	0	0	32	37	69	0	0	0	0	193	112	305	0	0	0	0	46	21	67	0	0	0	0	88	242	330	771
Exiting Leg	69							305							67							330							771
Total	138							610							134							660							1542

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	1	21	3	0	25	0	3	9	0	12	0	0	0	0	0	37
7:15 AM	0	0	0	0	0	0	25	3	0	28	0	2	10	0	12	0	0	0	0	0	40
7:30 AM	0	0	0	0	0	0	39	3	0	42	0	1	16	0	17	0	0	0	0	0	59
7:45 AM	0	0	0	0	0	0	32	12	0	44	0	4	26	0	30	0	0	0	0	0	74
<b>Total</b>	0	0	0	0	0	1	117	21	0	139	0	10	61	0	71	0	0	0	0	0	210
8:00 AM	0	0	0	0	0	0	24	10	0	34	0	3	13	0	16	0	0	0	0	0	50
8:15 AM	0	0	0	0	0	0	33	6	0	39	0	6	19	0	25	0	0	0	0	0	64
8:30 AM	0	0	0	0	0	0	38	9	0	47	0	2	9	0	11	0	0	0	0	0	58
8:45 AM	0	0	0	0	0	1	27	9	0	37	0	1	18	0	19	0	0	0	0	0	56
<b>Total</b>	0	0	0	0	0	1	122	34	0	157	0	12	59	0	71	0	0	0	0	0	228
9:00 AM	0	0	0	0	0	0	30	2	0	32	0	3	18	0	21	0	0	0	0	0	53
9:15 AM	0	0	0	0	0	0	38	2	0	40	0	3	19	0	22	0	0	0	0	0	62
9:30 AM	0	0	0	0	0	0	32	4	0	36	0	5	10	0	15	0	0	0	0	0	51
9:45 AM	0	0	0	0	0	1	26	3	0	30	0	0	16	0	16	0	0	0	0	0	46
<b>Total</b>	0	0	0	0	0	1	126	11	0	138	0	11	63	0	74	0	0	0	0	0	212
<b>Grand Total</b>	0	0	0	0	0	3	365	66	0	434	0	33	183	0	216	0	0	0	0	0	650
Approach %	0.0	0.0	0.0	0.0		0.7	84.1	15.2	0.0		0.0	15.3	84.7	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.5	56.2	10.2	0.0	66.8	0.0	5.1	28.2	0.0	33.2	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	36					0					66					548					650
Cars	0	0	0	0	0	1	305	43	0	349	0	2	173	0	175	0	0	0	0	0	524
% Cars	0.0	0.0	0.0	0.0	0.0	33.3	83.6	65.2	0.0	80.4	0.0	6.1	94.5	0.0	81.0	0.0	0.0	0.0	0.0	0.0	80.6
Exiting Leg Total	3					0					43					478					524
Heavy Vehicles	0	0	0	0	0	2	60	23	0	85	0	31	10	0	41	0	0	0	0	0	126
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	66.7	16.4	34.8	0.0	19.6	0.0	93.9	5.5	0.0	19.0	0.0	0.0	0.0	0.0	0.0	19.4
Exiting Leg Total	33					0					23					70					126

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:30 AM	0	0	0	0	0	0	39	3	0	42	0	1	16	0	17	0	0	0	0	0	59
7:45 AM	0	0	0	0	0	0	32	12	0	44	0	4	26	0	30	0	0	0	0	0	74
8:00 AM	0	0	0	0	0	0	24	10	0	34	0	3	13	0	16	0	0	0	0	0	50
8:15 AM	0	0	0	0	0	0	33	6	0	39	0	6	19	0	25	0	0	0	0	0	64
<b>Total Volume</b>	0	0	0	0	0	0	128	31	0	159	0	14	74	0	88	0	0	0	0	0	247
% Approach Total	0.0	0.0	0.0	0.0		0.0	80.5	19.5	0.0		0.0	15.9	84.1	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.821	0.646	0.000	0.903	0.000	0.583	0.712	0.000	0.733	0.000	0.000	0.000	0.000	0.000	0.834
Cars	0	0	0	0	0	0	103	20	0	123	0	2	71	0	73	0	0	0	0	0	196
Cars %	0.0	0.0	0.0	0.0	0.0	0.0	80.5	64.5	0.0	77.4	0.0	14.3	95.9	0.0	83.0	0.0	0.0	0.0	0.0	0.0	79.4
Heavy Vehicles	0	0	0	0	0	0	25	11	0	36	0	12	3	0	15	0	0	0	0	0	51
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	19.5	35.5	0.0	22.6	0.0	85.7	4.1	0.0	17.0	0.0	0.0	0.0	0.0	0.0	20.6
Cars Enter Leg	0	0	0	0	0	0	103	20	0	123	0	2	71	0	73	0	0	0	0	0	196
Heavy Enter Leg	0	0	0	0	0	0	25	11	0	36	0	12	3	0	15	0	0	0	0	0	51
<b>Total Entering Leg</b>	0	0	0	0	0	0	128	31	0	159	0	14	74	0	88	0	0	0	0	0	247
Cars Exiting Leg	2					0					20					174					196
Heavy Exiting Leg	12					0					11					28					51
<b>Total Exiting Leg</b>	14					0					31					202					247



PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	16	2	0	18	0	0	9	0	9	0	0	0	0	0	27
7:15 AM	0	0	0	0	0	0	22	2	0	24	0	0	9	0	9	0	0	0	0	0	33
7:30 AM	0	0	0	0	0	0	33	2	0	35	0	0	14	0	14	0	0	0	0	0	49
7:45 AM	0	0	0	0	0	0	25	9	0	34	0	0	26	0	26	0	0	0	0	0	60
<b>Total</b>	0	0	0	0	0	0	96	15	0	111	0	0	58	0	58	0	0	0	0	0	169
8:00 AM	0	0	0	0	0	0	17	5	0	22	0	0	12	0	12	0	0	0	0	0	34
8:15 AM	0	0	0	0	0	0	28	4	0	32	0	2	19	0	21	0	0	0	0	0	53
8:30 AM	0	0	0	0	0	0	31	5	0	36	0	0	9	0	9	0	0	0	0	0	45
8:45 AM	0	0	0	0	0	1	22	7	0	30	0	0	17	0	17	0	0	0	0	0	47
<b>Total</b>	0	0	0	0	0	1	98	21	0	120	0	2	57	0	59	0	0	0	0	0	179
9:00 AM	0	0	0	0	0	0	25	1	0	26	0	0	15	0	15	0	0	0	0	0	41
9:15 AM	0	0	0	0	0	0	35	1	0	36	0	0	18	0	18	0	0	0	0	0	54
9:30 AM	0	0	0	0	0	0	27	3	0	30	0	0	9	0	9	0	0	0	0	0	39
9:45 AM	0	0	0	0	0	0	24	2	0	26	0	0	16	0	16	0	0	0	0	0	42
<b>Total</b>	0	0	0	0	0	0	111	7	0	118	0	0	58	0	58	0	0	0	0	0	176
Grand Total	0	0	0	0	0	1	305	43	0	349	0	2	173	0	175	0	0	0	0	0	524
Approach %	0.0	0.0	0.0	0.0		0.3	87.4	12.3	0.0		0.0	1.1	98.9	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.2	58.2	8.2	0.0	66.6	0.0	0.4	33.0	0.0	33.4	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total						3						0						43	478	524	

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total				
	from North					from East					from South					from West									
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total					
7:30 AM	0	0	0	0	0	0	33	2	0	35	0	0	14	0	14	0	0	0	0	0	49				
7:45 AM	0	0	0	0	0	0	25	9	0	34	0	0	26	0	26	0	0	0	0	0	60				
8:00 AM	0	0	0	0	0	0	17	5	0	22	0	0	12	0	12	0	0	0	0	0	34				
8:15 AM	0	0	0	0	0	0	28	4	0	32	0	2	19	0	21	0	0	0	0	0	53				
<b>Total Volume</b>	0	0	0	0	0	0	103	20	0	123	0	2	71	0	73	0	0	0	0	0	196				
% Approach Total	0.0	0.0	0.0	0.0		0.0	83.7	16.3	0.0		0.0	2.7	97.3	0.0		0.0	0.0	0.0	0.0						
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.780	0.556	0.000	0.879	0.000	0.250	0.683	0.000	0.702	0.000	0.000	0.000	0.000	0.000	0.817				
Entering Leg	0	0	0	0	0	0	103	20	0	123	0	2	71	0	73	0	0	0	0	0	196				
Exiting Leg						2						0						20	174	196					
<b>Total</b>						2						123						93						174	392

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Magazine Street					Green Street					Magazine Street					Green Street					Total				
	from North					from East					from South					from West									
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total					
7:00 AM	0	0	0	0	0	1	5	1	0	7	0	3	0	0	3	0	0	0	0	0	10				
7:15 AM	0	0	0	0	0	0	3	1	0	4	0	2	1	0	3	0	0	0	0	0	7				
7:30 AM	0	0	0	0	0	0	6	1	0	7	0	1	2	0	3	0	0	0	0	0	10				
7:45 AM	0	0	0	0	0	0	7	3	0	10	0	4	0	0	4	0	0	0	0	0	14				
Total	0	0	0	0	0	1	21	6	0	28	0	10	3	0	13	0	0	0	0	0	41				
8:00 AM	0	0	0	0	0	0	7	5	0	12	0	3	1	0	4	0	0	0	0	0	16				
8:15 AM	0	0	0	0	0	0	5	2	0	7	0	4	0	0	4	0	0	0	0	0	11				
8:30 AM	0	0	0	0	0	0	7	4	0	11	0	2	0	0	2	0	0	0	0	0	13				
8:45 AM	0	0	0	0	0	0	5	2	0	7	0	1	1	0	2	0	0	0	0	0	9				
Total	0	0	0	0	0	0	24	13	0	37	0	10	2	0	12	0	0	0	0	0	49				
9:00 AM	0	0	0	0	0	0	5	1	0	6	0	3	3	0	6	0	0	0	0	0	12				
9:15 AM	0	0	0	0	0	0	3	1	0	4	0	3	1	0	4	0	0	0	0	0	8				
9:30 AM	0	0	0	0	0	0	5	1	0	6	0	5	1	0	6	0	0	0	0	0	12				
9:45 AM	0	0	0	0	0	1	2	1	0	4	0	0	0	0	0	0	0	0	0	0	4				
Total	0	0	0	0	0	1	15	4	0	20	0	11	5	0	16	0	0	0	0	0	36				
Grand Total	0	0	0	0	0	2	60	23	0	85	0	31	10	0	41	0	0	0	0	0	126				
Approach %	0.0	0.0	0.0	0.0		2.4	70.6	27.1	0.0		0.0	75.6	24.4	0.0		0.0	0.0	0.0	0.0						
Total %	0.0	0.0	0.0	0.0	0.0	1.6	47.6	18.3	0.0	67.5	0.0	24.6	7.9	0.0	32.5	0.0	0.0	0.0	0.0	0.0					
Exiting Leg Total						33						0						23						70	126
Buses	0	0	0	0	0	1	38	21	0	60	0	30	3	0	33	0	0	0	0	0	93				
% Buses	0.0	0.0	0.0	0.0	0.0	50.0	63.3	91.3	0.0	70.6	0.0	96.8	30.0	0.0	80.5	0.0	0.0	0.0	0.0	0.0	73.8				
Exiting Leg Total						31						0						21						41	93
Single-Unit Trucks	0	0	0	0	0	1	19	2	0	22	0	1	7	0	8	0	0	0	0	0	30				
% Single-Unit	0.0	0.0	0.0	0.0	0.0	50.0	31.7	8.7	0.0	25.9	0.0	3.2	70.0	0.0	19.5	0.0	0.0	0.0	0.0	0.0	23.8				
Exiting Leg Total						2						0						2						26	30
Articulated Trucks	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3				
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4				
Exiting Leg Total						0						0						0						3	3

**Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:**

	Magazine Street					Green Street					Magazine Street					Green Street					Total				
	from North					from East					from South					from West									
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total					
7:45 AM	0	0	0	0	0	0	7	3	0	10	0	4	0	0	4	0	0	0	0	0	14				
8:00 AM	0	0	0	0	0	0	7	5	0	12	0	3	1	0	4	0	0	0	0	0	16				
8:15 AM	0	0	0	0	0	0	5	2	0	7	0	4	0	0	4	0	0	0	0	0	11				
8:30 AM	0	0	0	0	0	0	7	4	0	11	0	2	0	0	2	0	0	0	0	0	13				
Total Volume	0	0	0	0	0	0	26	14	0	40	0	13	1	0	14	0	0	0	0	0	54				
% Approach Total	0.0	0.0	0.0	0.0		0.0	65.0	35.0	0.0		0.0	92.9	7.1	0.0		0.0	0.0	0.0	0.0						
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.929	0.700	0.000	0.833	0.000	0.813	0.250	0.000	0.875	0.000	0.000	0.000	0.000	0.000	0.844				
Buses	0	0	0	0	0	0	15	13	0	28	0	13	0	0	13	0	0	0	0	0	41				
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	57.7	92.9	0.0	70.0	0.0	100.0	0.0	0.0	92.9	0.0	0.0	0.0	0.0	0.0	75.9				
Single-Unit Trucks	0	0	0	0	0	0	9	1	0	10	0	0	1	0	1	0	0	0	0	0	11				
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	34.6	7.1	0.0	25.0	0.0	0.0	100.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	20.4				
Articulated Trucks	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2				
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7				
Buses	0	0	0	0	0	0	15	13	0	28	0	13	0	0	13	0	0	0	0	0	41				
Single-Unit Trucks	0	0	0	0	0	0	9	1	0	10	0	0	1	0	1	0	0	0	0	0	11				
Articulated Trucks	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2				
Total Entering Leg	0	0	0	0	0	0	26	14	0	40	0	13	1	0	14	0	0	0	0	0	54				
Buses						13						0						13						15	41
Single-Unit Trucks						0						0						1						10	11
Articulated Trucks						0						0						0						2	2
Total Exiting Leg						13						0						14						27	54

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	15	2	0	17	0	0	9	0	9	0	0	0	0	0	26
7:15 AM	0	0	0	0	0	0	18	2	0	20	0	0	9	0	9	0	0	0	0	0	29
7:30 AM	0	0	0	0	0	0	30	2	0	32	0	0	13	0	13	0	0	0	0	0	45
7:45 AM	0	0	0	0	0	0	23	7	0	30	0	0	24	0	24	0	0	0	0	0	54
<b>Total</b>	0	0	0	0	0	0	86	13	0	99	0	0	55	0	55	0	0	0	0	0	154
8:00 AM	0	0	0	0	0	0	16	5	0	21	0	0	10	0	10	0	0	0	0	0	31
8:15 AM	0	0	0	0	0	0	25	3	0	28	0	1	19	0	20	0	0	0	0	0	48
8:30 AM	0	0	0	0	0	0	30	4	0	34	0	0	9	0	9	0	0	0	0	0	43
8:45 AM	0	0	0	0	0	1	22	7	0	30	0	0	14	0	14	0	0	0	0	0	44
<b>Total</b>	0	0	0	0	0	1	93	19	0	113	0	1	52	0	53	0	0	0	0	0	166
9:00 AM	0	0	0	0	0	0	22	1	0	23	0	0	12	0	12	0	0	0	0	0	35
9:15 AM	0	0	0	0	0	0	29	1	0	30	0	0	18	0	18	0	0	0	0	0	48
9:30 AM	0	0	0	0	0	0	24	3	0	27	0	0	8	0	8	0	0	0	0	0	35
9:45 AM	0	0	0	0	0	0	22	2	0	24	0	0	16	0	16	0	0	0	0	0	40
<b>Total</b>	0	0	0	0	0	0	97	7	0	104	0	0	54	0	54	0	0	0	0	0	158
Grand Total	0	0	0	0	0	1	276	39	0	316	0	1	161	0	162	0	0	0	0	0	478
Approach %	0.0	0.0	0.0	0.0		0.3	87.3	12.3	0.0		0.0	0.6	99.4	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.2	57.7	8.2	0.0	66.1	0.0	0.2	33.7	0.0	33.9	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total						2						0						39	437	478	

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total				
	from North					from East					from South					from West									
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total					
7:30 AM	0	0	0	0	0	0	30	2	0	32	0	0	13	0	13	0	0	0	0	0	45				
7:45 AM	0	0	0	0	0	0	23	7	0	30	0	0	24	0	24	0	0	0	0	0	54				
8:00 AM	0	0	0	0	0	0	16	5	0	21	0	0	10	0	10	0	0	0	0	0	31				
8:15 AM	0	0	0	0	0	0	25	3	0	28	0	1	19	0	20	0	0	0	0	0	48				
<b>Total Volume</b>	0	0	0	0	0	0	94	17	0	111	0	1	66	0	67	0	0	0	0	0	178				
% Approach Total	0.0	0.0	0.0	0.0		0.0	84.7	15.3	0.0		0.0	1.5	98.5	0.0		0.0	0.0	0.0	0.0						
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.783	0.607	0.000	0.867	0.000	0.250	0.688	0.000	0.698	0.000	0.000	0.000	0.000	0.000	0.824				
Entering Leg	0	0	0	0	0	0	94	17	0	111	0	1	66	0	67	0	0	0	0	0	178				
Exiting Leg						1						0						17	160	178					
<b>Total</b>						1						111						84						160	356

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Light Goods Vehicle**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	4
7:30 AM	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	0	0	0	0	4
7:45 AM	0	0	0	0	0	0	2	2	0	4	0	0	2	0	2	0	0	0	0	0	6
<b>Total</b>	0	0	0	0	0	0	10	2	0	12	0	0	3	0	3	0	0	0	0	0	15
8:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	2	0	2	0	0	0	0	0	3
8:15 AM	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	4
8:30 AM	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	2
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	3
<b>Total</b>	0	0	0	0	0	0	5	2	0	7	0	0	5	0	5	0	0	0	0	0	12
9:00 AM	0	0	0	0	0	0	3	0	0	3	0	0	3	0	3	0	0	0	0	0	6
9:15 AM	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0	0	0	0	6
9:30 AM	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	0	0	0	0	4
9:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	0	0	0	0	0	0	14	0	0	14	0	0	4	0	4	0	0	0	0	0	18
Grand Total	0	0	0	0	0	0	29	4	0	33	0	0	12	0	12	0	0	0	0	0	45
Approach %	0.0	0.0	0.0	0.0		0.0	87.9	12.1	0.0		0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	64.4	8.9	0.0	73.3	0.0	0.0	26.7	0.0	26.7	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0					0					4					41					45

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	3
9:00 AM	0	0	0	0	0	0	3	0	0	3	0	0	3	0	3	0	0	0	0	0	6
9:15 AM	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0	0	0	0	6
9:30 AM	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	0	0	0	0	4
<b>Total Volume</b>	0	0	0	0	0	0	12	0	0	12	0	0	7	0	7	0	0	0	0	0	19
% Approach Total	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.583	0.000	0.583	0.000	0.000	0.000	0.000	0.000	0.792
Entering Leg	0	0	0	0	0	0	12	0	0	12	0	0	7	0	7	0	0	0	0	0	19
Exiting Leg	0					0					0					19					19
<b>Total</b>	0					12					7					19					38

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	4	1	0	5	0	2	0	0	2	0	0	0	0	0	7
7:15 AM	0	0	0	0	0	0	3	1	0	4	0	2	1	0	3	0	0	0	0	0	7
7:30 AM	0	0	0	0	0	0	4	1	0	5	0	1	1	0	2	0	0	0	0	0	7
7:45 AM	0	0	0	0	0	0	3	3	0	6	0	4	0	0	4	0	0	0	0	0	10
<b>Total</b>	0	0	0	0	0	0	14	6	0	20	0	9	2	0	11	0	0	0	0	0	31
8:00 AM	0	0	0	0	0	0	5	5	0	10	0	3	0	0	3	0	0	0	0	0	13
8:15 AM	0	0	0	0	0	0	3	1	0	4	0	4	0	0	4	0	0	0	0	0	8
8:30 AM	0	0	0	0	0	0	4	4	0	8	0	2	0	0	2	0	0	0	0	0	10
8:45 AM	0	0	0	0	0	0	3	1	0	4	0	1	0	0	1	0	0	0	0	0	5
<b>Total</b>	0	0	0	0	0	0	15	11	0	26	0	10	0	0	10	0	0	0	0	0	36
9:00 AM	0	0	0	0	0	0	2	1	0	3	0	3	0	0	3	0	0	0	0	0	6
9:15 AM	0	0	0	0	0	0	2	1	0	3	0	3	1	0	4	0	0	0	0	0	7
9:30 AM	0	0	0	0	0	0	3	1	0	4	0	5	0	0	5	0	0	0	0	0	9
9:45 AM	0	0	0	0	0	1	2	1	0	4	0	0	0	0	0	0	0	0	0	0	4
<b>Total</b>	0	0	0	0	0	1	9	4	0	14	0	11	1	0	12	0	0	0	0	0	26
<b>Grand Total</b>	0	0	0	0	0	1	38	21	0	60	0	30	3	0	33	0	0	0	0	0	93
Approach %	0.0	0.0	0.0	0.0		1.7	63.3	35.0	0.0		0.0	90.9	9.1	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	1.1	40.9	22.6	0.0	64.5	0.0	32.3	3.2	0.0	35.5	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	31					0					21					41					93

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:45 AM	0	0	0	0	0	0	3	3	0	6	0	4	0	0	4	0	0	0	0	0	10
8:00 AM	0	0	0	0	0	0	5	5	0	10	0	3	0	0	3	0	0	0	0	0	13
8:15 AM	0	0	0	0	0	0	3	1	0	4	0	4	0	0	4	0	0	0	0	0	8
8:30 AM	0	0	0	0	0	0	4	4	0	8	0	2	0	0	2	0	0	0	0	0	10
Total Volume	0	0	0	0	0	0	15	13	0	28	0	13	0	0	13	0	0	0	0	0	41
% Approach Total	0.0	0.0	0.0	0.0		0.0	53.6	46.4	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.650	0.000	0.700	0.000	0.813	0.000	0.000	0.813	0.000	0.000	0.000	0.000	0.000	0.788
Entering Leg	0	0	0	0	0	0	15	13	0	28	0	13	0	0	13	0	0	0	0	0	41
Exiting Leg	13					0					13					15					41
Total	13					28					26					15					82

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	1	1	0	0	2	0	1	0	0	1	0	0	0	0	0	3
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	3
7:45 AM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	0	0	0	0	0	1	6	0	0	7	0	1	1	0	2	0	0	0	0	0	9
8:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	2
8:15 AM	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	0	0	0	3
8:30 AM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3
8:45 AM	0	0	0	0	0	0	2	1	0	3	0	0	1	0	1	0	0	0	0	0	4
<b>Total</b>	0	0	0	0	0	0	8	2	0	10	0	0	2	0	2	0	0	0	0	0	12
9:00 AM	0	0	0	0	0	0	2	0	0	2	0	0	3	0	3	0	0	0	0	0	5
9:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
9:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	3
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	5	0	0	5	0	0	4	0	4	0	0	0	0	0	9
<b>Grand Total</b>	0	0	0	0	0	1	19	2	0	22	0	1	7	0	8	0	0	0	0	0	30
Approach %	0.0	0.0	0.0	0.0		4.5	86.4	9.1	0.0		0.0	12.5	87.5	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	3.3	63.3	6.7	0.0	73.3	0.0	3.3	23.3	0.0	26.7	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total						2						0						2	26	30	

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:15 AM	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	0	0	0	3
8:30 AM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3
8:45 AM	0	0	0	0	0	0	2	1	0	3	0	0	1	0	1	0	0	0	0	0	4
9:00 AM	0	0	0	0	0	0	2	0	0	2	0	0	3	0	3	0	0	0	0	0	5
Total Volume	0	0	0	0	0	0	9	2	0	11	0	0	4	0	4	0	0	0	0	0	15
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	81.8	18.2	0.0		0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.500	0.000	0.917	0.000	0.000	0.333	0.000	0.333	0.000	0.000	0.000	0.000	0.000	0.750
Entering Leg	0	0	0	0	0	0	9	2	0	11	0	0	4	0	4	0	0	0	0	0	15
Exiting Leg						0						0						2	13	15	
Total						0						11						6	13	30	

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
8:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
9:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Grand Total	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Approach %	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0					0					0					3					3

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:15 AM	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
8:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
Entering Leg	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Exiting Leg	0					0					0					2					2
Total	0					2					0					2					4

PDI File #: 186591-18  
 Location: N: Magazine Street S: Magazine Street  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Magazine Street								Green Street								Magazine Street								Green Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
7:00 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
7:15 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	3	0	0	0	0	0	3	0	0	0	0	0	4			
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	2				
7:45 AM	0	1	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	3				
Total	0	1	0	0	0	0	1	0	3	0	0	0	0	0	3	0	4	2	0	0	0	0	6	0	0	0	0	0	10				
8:00 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	2				
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	3	0	0	0	0	0	0	3				
8:30 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	2	0	0	0	4	0	0	0	0	0	0	5				
8:45 AM	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	2	1	0	0	0	3	0	0	0	0	0	0	5				
Total	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4	0	6	3	0	1	0	10	1	0	0	0	0	0	15				
9:00 AM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	2	1	0	0	0	3	0	0	0	0	0	0	5				
9:15 AM	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	3				
9:30 AM	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3	0	0	0	0	0	0	4				
9:45 AM	0	1	0	0	1	0	2	0	1	0	0	0	0	0	1	0	2	3	0	0	0	5	0	0	1	0	0	0	9				
Total	0	1	0	0	2	1	4	0	1	2	0	0	0	0	3	0	8	5	0	0	0	13	0	0	1	0	0	0	21				
Grand Total	0	2	0	0	2	1	5	0	8	2	0	0	0	10	0	18	10	0	1	0	29	1	0	1	0	0	0	2	46				
Approach %	0.0	40.0	0.0	0.0	40.0	20.0		0.0	80.0	20.0	0.0	0.0	0.0		0.0	62.1	34.5	0.0	3.4	0.0		50.0	0.0	50.0	0.0	0.0	0.0						
Total %	0.0	4.3	0.0	0.0	4.3	2.2	10.9	0.0	17.4	4.3	0.0	0.0	0.0	21.7	0.0	39.1	21.7	0.0	2.2	0.0	63.0	2.2	0.0	2.2	0.0	0.0	0.0	4.3					
Exiting Leg Total	22								0								6								18								46

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street								Green Street								Magazine Street								Green Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
9:00 AM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	2	1	0	0	0	3	0	0	0	0	0	0	5				
9:15 AM	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	3				
9:30 AM	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3	0	0	0	0	0	0	4				
9:45 AM	0	1	0	0	1	0	2	0	1	0	0	0	0	0	1	0	2	3	0	0	0	5	0	0	1	0	0	0	9				
Total Volume	0	1	0	0	2	1	4	0	1	2	0	0	0	3	0	8	5	0	0	0	13	0	0	1	0	0	0	1	21				
% Approach Total	0.0	25.0	0.0	0.0	50.0	25.0		0.0	33.3	66.7	0.0	0.0	0.0		0.0	61.5	38.5	0.0	0.0	0.0		0.0	0.0	100.0	0.0	0.0	0.0						
PHF	0.000	0.250	0.000	0.000	0.500	0.250	0.500	0.000	0.250	0.250	0.000	0.000	0.000	0.375	0.000	1.000	0.417	0.000	0.000	0.000	0.650	0.000	0.000	0.250	0.000	0.000	0.250	0.583					
Entering Leg	0	1	0	0	2	1	4	0	1	2	0	0	0	3	0	8	5	0	0	0	13	0	0	1	0	0	0	1	21				
Exiting Leg	12								3								3								6								21
Total	16								3								16								7								42



PDI File #: 186591-18  
 Location: N: Magazine Street S: Magazine Street  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Magazine Street							Green Street							Magazine Street							Green Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	8	1	9	0	0	0	0	16	22	38	0	0	0	0	3	1	4	0	0	0	0	1	0	1	52
7:15 AM	0	0	0	0	1	4	5	0	0	0	0	9	34	43	0	0	0	0	1	9	10	0	0	0	0	0	0	0	58
7:30 AM	0	0	0	0	0	1	1	0	0	0	0	17	47	64	0	0	0	0	4	10	14	0	0	0	0	1	0	1	80
7:45 AM	0	0	0	0	0	3	3	0	0	0	0	12	40	52	0	0	0	0	2	9	11	0	0	0	0	0	0	0	66
Total	0	0	0	0	9	9	18	0	0	0	0	54	143	197	0	0	0	0	10	29	39	0	0	0	0	2	0	2	256
8:00 AM	0	0	0	0	8	4	12	0	0	0	0	17	69	86	0	0	0	0	4	11	15	0	0	0	0	0	1	1	114
8:15 AM	0	0	0	0	4	6	10	0	0	0	0	35	64	99	0	0	0	0	9	7	16	0	0	0	0	2	4	6	131
8:30 AM	0	0	0	0	11	4	15	0	0	0	0	19	73	92	0	0	0	0	13	14	27	0	0	0	0	7	1	8	142
8:45 AM	0	0	0	0	7	8	15	0	0	0	0	16	61	77	0	0	0	0	7	13	20	0	0	0	0	3	1	4	116
Total	0	0	0	0	30	22	52	0	0	0	0	87	267	354	0	0	0	0	33	45	78	0	0	0	0	12	7	19	503
9:00 AM	0	0	0	0	9	4	13	0	0	0	0	15	51	66	0	0	0	0	7	3	10	0	0	0	0	1	1	2	91
9:15 AM	0	0	0	0	11	7	18	0	0	0	0	18	37	55	0	0	0	0	3	11	14	0	0	0	0	4	0	4	91
9:30 AM	0	0	0	0	6	5	11	0	0	0	0	28	37	65	0	0	0	0	3	6	9	0	0	0	0	0	1	1	86
9:45 AM	0	0	0	0	2	8	10	0	0	0	0	27	40	67	0	0	0	0	6	6	12	0	0	0	0	1	2	3	92
Total	0	0	0	0	28	24	52	0	0	0	0	88	165	253	0	0	0	0	19	26	45	0	0	0	0	6	4	10	360
Grand Total	0	0	0	0	67	55	122	0	0	0	0	229	575	804	0	0	0	0	62	100	162	0	0	0	0	20	11	31	1119
Approach %	0	0	0	0	54.9	45.1		0	0	0	0	28.5	71.5		0	0	0	0	38.3	61.7		0	0	0	0	64.5	35.5		
Total %	0	0	0	0	5.99	4.92	10.9	0	0	0	0	20.5	51.4	71.8	0	0	0	0	5.54	8.94	14.5	0	0	0	0	1.79	0.98	2.77	
Exiting Leg Total	122							804							162							31							1119

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street							Green Street							Magazine Street							Green Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:00 AM	0	0	0	0	8	4	12	0	0	0	0	17	69	86	0	0	0	0	4	11	15	0	0	0	0	0	1	1	114
8:15 AM	0	0	0	0	4	6	10	0	0	0	0	35	64	99	0	0	0	0	9	7	16	0	0	0	0	2	4	6	131
8:30 AM	0	0	0	0	11	4	15	0	0	0	0	19	73	92	0	0	0	0	13	14	27	0	0	0	0	7	1	8	142
8:45 AM	0	0	0	0	7	8	15	0	0	0	0	16	61	77	0	0	0	0	7	13	20	0	0	0	0	3	1	4	116
Total Volume	0	0	0	0	30	22	52	0	0	0	0	87	267	354	0	0	0	0	33	45	78	0	0	0	0	12	7	19	503
% Approach Total	0.0	0.0	0.0	0.0	57.7	42.3		0.0	0.0	0.0	0.0	24.6	75.4		0.0	0.0	0.0	0.0	42.3	57.7		0.0	0.0	0.0	0.0	63.2	36.8		
PHF	0.000	0.000	0.000	0.000	0.682	0.688	0.867	0.000	0.000	0.000	0.000	0.621	0.914	0.894	0.000	0.000	0.000	0.000	0.635	0.804	0.722	0.000	0.000	0.000	0.000	0.429	0.438	0.594	0.886
Entering Leg	0	0	0	0	30	22	52	0	0	0	0	87	267	354	0	0	0	0	33	45	78	0	0	0	0	12	7	19	503
Exiting Leg	52							354							78							19							503
Total	104							708							156							38							1006

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	2	68	7	0	77	0	1	27	0	28	0	0	0	0	0	105
4:45 PM	0	0	0	0	0	1	57	4	0	62	0	0	19	1	20	0	0	0	0	0	82
Total	0	0	0	0	0	3	125	11	0	139	0	1	46	1	48	0	0	0	0	0	187
5:00 PM	0	0	0	0	0	1	67	5	0	73	0	5	24	0	29	0	0	0	0	0	102
5:15 PM	0	0	0	0	0	1	60	6	0	67	0	0	18	0	18	0	0	0	0	0	85
5:30 PM	0	0	0	0	0	2	80	7	0	89	0	0	26	0	26	0	0	0	0	0	115
5:45 PM	0	0	0	0	0	1	61	5	0	67	0	1	27	0	28	0	0	0	0	0	95
Total	0	0	0	0	0	5	268	23	0	296	0	6	95	0	101	0	0	0	0	0	397
6:00 PM	0	0	0	0	0	3	63	4	0	70	0	3	19	0	22	0	0	0	0	0	92
6:15 PM	0	0	0	0	0	0	70	3	0	73	0	2	21	0	23	0	0	0	0	0	96
6:30 PM	0	0	0	0	0	0	53	7	0	60	0	3	12	0	15	0	0	0	0	0	75
6:45 PM	0	0	0	0	0	1	49	7	0	57	0	4	19	0	23	0	0	0	0	0	80
Total	0	0	0	0	0	4	235	21	0	260	0	12	71	0	83	0	0	0	0	0	343
7:00 PM	0	0	0	0	0	1	64	0	0	65	0	0	19	0	19	0	0	0	0	0	84
7:15 PM	0	0	0	0	0	2	71	6	0	79	0	1	16	0	17	0	0	0	0	0	96
Total	0	0	0	0	0	3	135	6	0	144	0	1	35	0	36	0	0	0	0	0	180
Grand Total	0	0	0	0	0	15	763	61	0	839	0	20	247	1	268	0	0	0	0	0	1107
Approach %	0.0	0.0	0.0	0.0	0.0	1.8	90.9	7.3	0.0		0.0	7.5	92.2	0.4		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	1.4	68.9	5.5	0.0	75.8	0.0	1.8	22.3	0.1	24.2	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	35					0					62					1010					1107
Cars	0	0	0	0	0	3	727	50	0	780	0	2	243	1	246	0	0	0	0	0	1026
% Cars	0.0	0.0	0.0	0.0	0.0	20.0	95.3	82.0	0.0	93.0	0.0	10.0	98.4	100.0	91.8	0.0	0.0	0.0	0.0	0.0	92.7
Exiting Leg Total	5					0					51					970					1026
Heavy Vehicles	0	0	0	0	0	12	36	11	0	59	0	18	4	0	22	0	0	0	0	0	81
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	80.0	4.7	18.0	0.0	7.0	0.0	90.0	1.6	0.0	8.2	0.0	0.0	0.0	0.0	0.0	7.3
Exiting Leg Total	30					0					11					40					81

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	0	0	0	2	80	7	0	89	0	0	26	0	26	0	0	0	0	0	115
5:45 PM	0	0	0	0	0	1	61	5	0	67	0	1	27	0	28	0	0	0	0	0	95
6:00 PM	0	0	0	0	0	3	63	4	0	70	0	3	19	0	22	0	0	0	0	0	92
6:15 PM	0	0	0	0	0	0	70	3	0	73	0	2	21	0	23	0	0	0	0	0	96
Total Volume	0	0	0	0	0	6	274	19	0	299	0	6	93	0	99	0	0	0	0	0	398
% Approach Total	0.0	0.0	0.0	0.0	0.0	2.0	91.6	6.4	0.0		0.0	6.1	93.9	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.500	0.856	0.679	0.000	0.840	0.000	0.500	0.861	0.000	0.884	0.000	0.000	0.000	0.000	0.000	0.865
Cars	0	0	0	0	0	1	263	15	0	279	0	2	93	0	95	0	0	0	0	0	374
Cars %	0.0	0.0	0.0	0.0	0.0	16.7	96.0	78.9	0.0	93.3	0.0	33.3	100.0	0.0	96.0	0.0	0.0	0.0	0.0	0.0	94.0
Heavy Vehicles	0	0	0	0	0	5	11	4	0	20	0	4	0	0	4	0	0	0	0	0	24
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	83.3	4.0	21.1	0.0	6.7	0.0	66.7	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	6.0
Cars Enter Leg	0	0	0	0	0	1	263	15	0	279	0	2	93	0	95	0	0	0	0	0	374
Heavy Enter Leg	0	0	0	0	0	5	11	4	0	20	0	4	0	0	4	0	0	0	0	0	24
Total Entering Leg	0	0	0	0	0	6	274	19	0	299	0	6	93	0	99	0	0	0	0	0	398
Cars Exiting Leg	3					0					15					356					374
Heavy Exiting Leg	9					0					4					11					24
Total Exiting Leg	12					0					19					367					398

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	1	65	6	0	72	0	0	26	0	26	0	0	0	0	0	98
4:45 PM	0	0	0	0	0	0	51	3	0	54	0	0	19	1	20	0	0	0	0	0	74
Total	0	0	0	0	0	1	116	9	0	126	0	0	45	1	46	0	0	0	0	0	172
5:00 PM	0	0	0	0	0	1	64	4	0	69	0	0	23	0	23	0	0	0	0	0	92
5:15 PM	0	0	0	0	0	0	56	5	0	61	0	0	17	0	17	0	0	0	0	0	78
5:30 PM	0	0	0	0	0	0	77	6	0	83	0	0	26	0	26	0	0	0	0	0	109
5:45 PM	0	0	0	0	0	0	60	4	0	64	0	0	27	0	27	0	0	0	0	0	91
Total	0	0	0	0	0	1	257	19	0	277	0	0	93	0	93	0	0	0	0	0	370
6:00 PM	0	0	0	0	0	1	61	3	0	65	0	2	19	0	21	0	0	0	0	0	86
6:15 PM	0	0	0	0	0	0	65	2	0	67	0	0	21	0	21	0	0	0	0	0	88
6:30 PM	0	0	0	0	0	0	49	6	0	55	0	0	12	0	12	0	0	0	0	0	67
6:45 PM	0	0	0	0	0	0	48	6	0	54	0	0	19	0	19	0	0	0	0	0	73
Total	0	0	0	0	0	1	223	17	0	241	0	2	71	0	73	0	0	0	0	0	314
7:00 PM	0	0	0	0	0	0	62	0	0	62	0	0	18	0	18	0	0	0	0	0	80
7:15 PM	0	0	0	0	0	0	69	5	0	74	0	0	16	0	16	0	0	0	0	0	90
Total	0	0	0	0	0	0	131	5	0	136	0	0	34	0	34	0	0	0	0	0	170
Grand Total	0	0	0	0	0	3	727	50	0	780	0	2	243	1	246	0	0	0	0	0	1026
Approach %	0.0	0.0	0.0	0.0		0.4	93.2	6.4	0.0		0.0	0.8	98.8	0.4		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.3	70.9	4.9	0.0	76.0	0.0	0.2	23.7	0.1	24.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total						5						0						51	970	1026	

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	0	0	0	0	77	6	0	83	0	0	26	0	26	0	0	0	0	0	109
5:45 PM	0	0	0	0	0	0	60	4	0	64	0	0	27	0	27	0	0	0	0	0	91
6:00 PM	0	0	0	0	0	1	61	3	0	65	0	2	19	0	21	0	0	0	0	0	86
6:15 PM	0	0	0	0	0	0	65	2	0	67	0	0	21	0	21	0	0	0	0	0	88
Total Volume	0	0	0	0	0	1	263	15	0	279	0	2	93	0	95	0	0	0	0	0	374
% Approach Total	0.0	0.0	0.0	0.0		0.4	94.3	5.4	0.0		0.0	2.1	97.9	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.250	0.854	0.625	0.000	0.840	0.000	0.250	0.861	0.000	0.880	0.000	0.000	0.000	0.000	0.000	0.858
Entering Leg	0	0	0	0	0	1	263	15	0	279	0	2	93	0	95	0	0	0	0	0	374
Exiting Leg						3						0						15	356	374	
Total						3						0						110	356	748	

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	1	3	1	0	5	0	1	1	0	2	0	0	0	0	0	7
4:45 PM	0	0	0	0	0	1	6	1	0	8	0	0	0	0	0	0	0	0	0	0	8
Total	0	0	0	0	0	2	9	2	0	13	0	1	1	0	2	0	0	0	0	0	15
5:00 PM	0	0	0	0	0	0	3	1	0	4	0	5	1	0	6	0	0	0	0	0	10
5:15 PM	0	0	0	0	0	1	4	1	0	6	0	0	1	0	1	0	0	0	0	0	7
5:30 PM	0	0	0	0	0	2	3	1	0	6	0	0	0	0	0	0	0	0	0	0	6
5:45 PM	0	0	0	0	0	1	1	1	0	3	0	1	0	0	1	0	0	0	0	0	4
Total	0	0	0	0	0	4	11	4	0	19	0	6	2	0	8	0	0	0	0	0	27
6:00 PM	0	0	0	0	0	2	2	1	0	5	0	1	0	0	1	0	0	0	0	0	6
6:15 PM	0	0	0	0	0	0	5	1	0	6	0	2	0	0	2	0	0	0	0	0	8
6:30 PM	0	0	0	0	0	0	4	1	0	5	0	3	0	0	3	0	0	0	0	0	8
6:45 PM	0	0	0	0	0	1	1	1	0	3	0	4	0	0	4	0	0	0	0	0	7
Total	0	0	0	0	0	3	12	4	0	19	0	10	0	0	10	0	0	0	0	0	29
7:00 PM	0	0	0	0	0	1	2	0	0	3	0	0	1	0	1	0	0	0	0	0	4
7:15 PM	0	0	0	0	0	2	2	1	0	5	0	1	0	0	1	0	0	0	0	0	6
Total	0	0	0	0	0	3	4	1	0	8	0	1	1	0	2	0	0	0	0	0	10
Grand Total	0	0	0	0	0	12	36	11	0	59	0	18	4	0	22	0	0	0	0	0	81
Approach %	0.0	0.0	0.0	0.0	0.0	20.3	61.0	18.6	0.0	72.8	0.0	81.8	18.2	0.0	81.8	0.0	0.0	0.0	0.0	0.0	84.0
Total %	0.0	0.0	0.0	0.0	0.0	14.8	44.4	13.6	0.0	72.8	0.0	22.2	4.9	0.0	27.2	0.0	0.0	0.0	0.0	0.0	84.0
Exiting Leg Total					30					0				11						40	81
Buses	0	0	0	0	0	12	27	11	0	50	0	18	0	0	18	0	0	0	0	0	68
% Buses	0.0	0.0	0.0	0.0	0.0	100.0	75.0	100.0	0.0	84.7	0.0	100.0	0.0	0.0	81.8	0.0	0.0	0.0	0.0	0.0	84.0
Exiting Leg Total					30					0				11						27	68
Single-Unit Trucks	0	0	0	0	0	0	9	0	0	9	0	0	4	0	4	0	0	0	0	0	13
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	15.3	0.0	0.0	100.0	0.0	18.2	0.0	0.0	0.0	0.0	0.0	16.0
Exiting Leg Total					0					0				0						13	13
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exiting Leg Total					0					0				0						0	0

**Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:**

4:30 PM	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	1	3	1	0	5	0	1	1	0	2	0	0	0	0	0	7
4:45 PM	0	0	0	0	0	1	6	1	0	8	0	0	0	0	0	0	0	0	0	0	8
5:00 PM	0	0	0	0	0	0	3	1	0	4	0	5	1	0	6	0	0	0	0	0	10
5:15 PM	0	0	0	0	0	1	4	1	0	6	0	0	1	0	1	0	0	0	0	0	7
Total Volume	0	0	0	0	0	3	16	4	0	23	0	6	3	0	9	0	0	0	0	0	32
% Approach Total	0.0	0.0	0.0	0.0	0.0	13.0	69.6	17.4	0.0	72.8	0.0	66.7	33.3	0.0	81.8	0.0	0.0	0.0	0.0	0.0	84.0
PHF	0.000	0.000	0.000	0.000	0.000	0.750	0.667	1.000	0.000	0.719	0.000	0.300	0.750	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.800
Buses	0	0	0	0	0	3	11	4	0	18	0	6	0	0	6	0	0	0	0	0	24
Buses %	0.0	0.0	0.0	0.0	0.0	100.0	68.8	100.0	0.0	78.3	0.0	100.0	0.0	0.0	66.7	0.0	0.0	0.0	0.0	0.0	75.0
Single-Unit Trucks	0	0	0	0	0	0	5	0	0	5	0	0	3	0	3	0	0	0	0	0	8
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	31.3	0.0	0.0	21.7	0.0	0.0	100.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	25.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buses	0	0	0	0	0	3	11	4	0	18	0	6	0	0	6	0	0	0	0	0	24
Single-Unit Trucks	0	0	0	0	0	0	5	0	0	5	0	0	3	0	3	0	0	0	0	0	8
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	0	0	0	0	0	3	16	4	0	23	0	6	3	0	9	0	0	0	0	0	32
Buses					9					0				4						11	24
Single-Unit Trucks					0					0				0						8	8
Articulated Trucks					0					0				0						0	0
Total Exiting Leg					9					0				4						19	32

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	1	62	6	0	69	0	0	25	0	25	0	0	0	0	0	94
4:45 PM	0	0	0	0	0	0	49	3	0	52	0	0	18	1	19	0	0	0	0	0	71
Total	0	0	0	0	0	1	111	9	0	121	0	0	43	1	44	0	0	0	0	0	165
5:00 PM	0	0	0	0	0	1	63	4	0	68	0	0	22	0	22	0	0	0	0	0	90
5:15 PM	0	0	0	0	0	0	55	5	0	60	0	0	16	0	16	0	0	0	0	0	76
5:30 PM	0	0	0	0	0	0	73	6	0	79	0	0	25	0	25	0	0	0	0	0	104
5:45 PM	0	0	0	0	0	0	59	4	0	63	0	0	27	0	27	0	0	0	0	0	90
Total	0	0	0	0	0	1	250	19	0	270	0	0	90	0	90	0	0	0	0	0	360
6:00 PM	0	0	0	0	0	1	61	3	0	65	0	1	19	0	20	0	0	0	0	0	85
6:15 PM	0	0	0	0	0	0	62	2	0	64	0	0	20	0	20	0	0	0	0	0	84
6:30 PM	0	0	0	0	0	0	47	6	0	53	0	0	12	0	12	0	0	0	0	0	65
6:45 PM	0	0	0	0	0	0	45	6	0	51	0	0	18	0	18	0	0	0	0	0	69
Total	0	0	0	0	0	1	215	17	0	233	0	1	69	0	70	0	0	0	0	0	303
7:00 PM	0	0	0	0	0	0	61	0	0	61	0	0	18	0	18	0	0	0	0	0	79
7:15 PM	0	0	0	0	0	0	66	5	0	71	0	0	15	0	15	0	0	0	0	0	86
Total	0	0	0	0	0	0	127	5	0	132	0	0	33	0	33	0	0	0	0	0	165
Grand Total	0	0	0	0	0	3	703	50	0	756	0	1	235	1	237	0	0	0	0	0	993
Approach %	0.0	0.0	0.0	0.0		0.4	93.0	6.6	0.0		0.0	0.4	99.2	0.4		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.3	70.8	5.0	0.0	76.1	0.0	0.1	23.7	0.1	23.9	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total						4						0						51	938	993	

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	0	0	0	0	73	6	0	79	0	0	25	0	25	0	0	0	0	0	104
5:45 PM	0	0	0	0	0	0	59	4	0	63	0	0	27	0	27	0	0	0	0	0	90
6:00 PM	0	0	0	0	0	1	61	3	0	65	0	1	19	0	20	0	0	0	0	0	85
6:15 PM	0	0	0	0	0	0	62	2	0	64	0	0	20	0	20	0	0	0	0	0	84
Total Volume	0	0	0	0	0	1	255	15	0	271	0	1	91	0	92	0	0	0	0	0	363
% Approach Total	0.0	0.0	0.0	0.0		0.4	94.1	5.5	0.0		0.0	1.1	98.9	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.250	0.873	0.625	0.000	0.858	0.000	0.250	0.843	0.000	0.852	0.000	0.000	0.000	0.000	0.000	0.873
Entering Leg	0	0	0	0	0	1	255	15	0	271	0	1	91	0	92	0	0	0	0	0	363
Exiting Leg						2						0						15	346	363	
Total						2						0						107	346	726	

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
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 Class:



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**Light Goods Vehicle**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	0	0	0	0	4
4:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	3
Total	0	0	0	0	0	0	5	0	0	5	0	0	2	0	2	0	0	0	0	0	7
5:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	2
5:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	2
5:30 PM	0	0	0	0	0	0	4	0	0	4	0	0	1	0	1	0	0	0	0	0	5
5:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	7	0	0	7	0	0	3	0	3	0	0	0	0	0	10
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
6:15 PM	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	0	0	0	0	4
6:30 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
6:45 PM	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	0	0	0	0	4
Total	0	0	0	0	0	0	8	0	0	8	0	1	2	0	3	0	0	0	0	0	11
7:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:15 PM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Total	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	4
Grand Total	0	0	0	0	0	0	24	0	0	24	0	1	7	0	8	0	0	0	0	0	32
Approach %	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	12.5	87.5	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	75.0	0.0	0.0	75.0	0.0	3.1	21.9	0.0	25.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total						1						0						31	32		

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	3
5:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	2
5:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	2
5:30 PM	0	0	0	0	0	0	4	0	0	4	0	0	1	0	1	0	0	0	0	0	5
Total Volume	0	0	0	0	0	0	8	0	0	8	0	0	4	0	4	0	0	0	0	0	12
% Approach Total	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.000	0.000	1.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.600
Entering Leg						0						0						0	12		
Exiting Leg						0						0						12	12		
Total						0						8						4	12	24	

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	1	1	1	0	3	0	1	0	0	1	0	0	0	0	0	4
4:45 PM	0	0	0	0	0	1	5	1	0	7	0	0	0	0	0	0	0	0	0	0	7
Total	0	0	0	0	0	2	6	2	0	10	0	1	0	0	1	0	0	0	0	0	11
5:00 PM	0	0	0	0	0	0	1	1	0	2	0	5	0	0	5	0	0	0	0	0	7
5:15 PM	0	0	0	0	0	1	4	1	0	6	0	0	0	0	0	0	0	0	0	0	6
5:30 PM	0	0	0	0	0	2	3	1	0	6	0	0	0	0	0	0	0	0	0	0	6
5:45 PM	0	0	0	0	0	1	1	1	0	3	0	1	0	0	1	0	0	0	0	0	4
Total	0	0	0	0	0	4	9	4	0	17	0	6	0	0	6	0	0	0	0	0	23
6:00 PM	0	0	0	0	0	2	2	1	0	5	0	1	0	0	1	0	0	0	0	0	6
6:15 PM	0	0	0	0	0	0	3	1	0	4	0	2	0	0	2	0	0	0	0	0	6
6:30 PM	0	0	0	0	0	0	3	1	0	4	0	3	0	0	3	0	0	0	0	0	7
6:45 PM	0	0	0	0	0	1	1	1	0	3	0	4	0	0	4	0	0	0	0	0	7
Total	0	0	0	0	0	3	9	4	0	16	0	10	0	0	10	0	0	0	0	0	26
7:00 PM	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0	3
7:15 PM	0	0	0	0	0	2	1	1	0	4	0	1	0	0	1	0	0	0	0	0	5
Total	0	0	0	0	0	3	3	1	0	7	0	1	0	0	1	0	0	0	0	0	8
Grand Total	0	0	0	0	0	12	27	11	0	50	0	18	0	0	18	0	0	0	0	0	68
Approach %	0.0	0.0	0.0	0.0		24.0	54.0	22.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	17.6	39.7	16.2	0.0	73.5	0.0	26.5	0.0	0.0	26.5	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	30					0					11					27					68

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:45 PM	0	0	0	0	0	1	5	1	0	7	0	0	0	0	0	0	0	0	0	0	7
5:00 PM	0	0	0	0	0	0	1	1	0	2	0	5	0	0	5	0	0	0	0	0	7
5:15 PM	0	0	0	0	0	1	4	1	0	6	0	0	0	0	0	0	0	0	0	0	6
5:30 PM	0	0	0	0	0	2	3	1	0	6	0	0	0	0	0	0	0	0	0	0	6
Total Volume	0	0	0	0	0	4	13	4	0	21	0	5	0	0	5	0	0	0	0	0	26
% Approach Total	0.0	0.0	0.0	0.0		19.0	61.9	19.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.500	0.650	1.000	0.000	0.750	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.929
Entering Leg	0	0	0	0	0	4	13	4	0	21	0	5	0	0	5	0	0	0	0	0	26
Exiting Leg						9					0					13					26
Total	9					21					9					13					52

PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	3
4:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	0	0	0	0	4
5:00 PM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	2	0	0	2	0	0	2	0	2	0	0	0	0	0	4
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
6:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
7:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	2
Grand Total	0	0	0	0	0	0	9	0	0	9	0	0	4	0	4	0	0	0	0	0	13
Approach %	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	69.2	0.0	0.0	69.2	0.0	0.0	30.8	0.0	30.8	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0					0					0					13					13

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	3
4:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
5:00 PM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	5	0	0	5	0	0	3	0	3	0	0	0	0	0	8
% Approach Total	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.625	0.000	0.000	0.750	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.667
Entering Leg	0	0	0	0	0	0	5	0	0	5	0	0	3	0	3	0	0	0	0	0	8
Exiting Leg	0					0					0					8					8
Total	0					5					3					8					16



PDI File #: **186591-18**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Green Street W: Green Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0					0					0					0					0

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Green Street					Magazine Street					Green Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0					0					0					0					0
Total	0					0					0					0					0

PDI File #: 186591-18  
 Location: N: Magazine Street S: Magazine Street  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Magazine Street								Green Street								Magazine Street								Green Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	3			
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	0	3			
Total	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	4	0	0	0	0	0	4	0	0	0	0	0	0	6			
5:00 PM	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	2	1	0	0	0	0	3	0	0	0	0	0	0	5				
5:15 PM	1	0	0	0	0	0	1	0	5	1	0	0	0	6	0	2	0	0	0	0	2	0	0	0	0	0	1	1	10				
5:30 PM	0	1	0	0	0	0	1	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5				
5:45 PM	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	2	1	0	0	0	3	0	0	1	0	0	0	1	7				
Total	1	1	0	0	0	1	3	0	13	1	0	0	0	14	0	6	2	0	0	0	8	0	0	1	0	0	1	2	27				
6:00 PM	0	1	0	0	0	0	1	0	3	0	0	0	0	3	0	2	2	0	0	0	4	0	0	0	0	0	0	0	8				
6:15 PM	0	1	0	0	0	0	1	0	5	1	0	0	0	6	0	1	0	0	1	0	2	0	0	0	0	0	0	0	9				
6:30 PM	0	0	0	0	0	0	0	1	4	1	0	0	0	6	0	1	1	0	0	0	2	0	0	0	0	0	0	0	8				
6:45 PM	0	0	0	0	0	0	0	0	4	0	0	0	0	4	0	3	0	0	0	0	3	1	0	0	0	0	0	1	8				
Total	0	2	0	0	0	0	2	1	16	2	0	0	0	19	0	7	3	0	1	0	11	1	0	0	0	0	0	1	33				
7:00 PM	1	1	0	0	0	0	2	0	3	0	0	0	0	3	0	0	1	0	0	0	1	0	0	0	0	0	0	0	6				
7:15 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	1	1	0	0	0	2	0	0	0	0	0	0	0	4				
Total	1	1	0	0	0	0	2	0	3	1	0	1	0	5	0	1	2	0	0	0	3	0	0	0	0	0	0	0	10				
Grand Total	2	4	0	0	0	1	7	1	33	5	0	1	0	40	0	18	7	0	1	0	26	1	0	1	0	0	1	3	76				
Approach %	28.6	57.1	0.0	0.0	0.0	14.3		2.5	82.5	12.5	0.0	2.5	0.0		0.0	69.2	26.9	0.0	3.8	0.0		33.3	0.0	33.3	0.0	0.0	33.3						
Total %	2.6	5.3	0.0	0.0	0.0	1.3	9.2	1.3	43.4	6.6	0.0	1.3	0.0	52.6	0.0	23.7	9.2	0.0	1.3	0.0	34.2	1.3	0.0	1.3	0.0	0.0	1.3	3.9					
Exiting Leg Total	21								1								11								43								76

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street								Green Street								Magazine Street								Green Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
6:00 PM	0	1	0	0	0	0	1	0	3	0	0	0	0	3	0	2	2	0	0	0	4	0	0	0	0	0	0	0	8				
6:15 PM	0	1	0	0	0	0	1	0	5	1	0	0	0	6	0	1	0	0	1	0	2	0	0	0	0	0	0	0	9				
6:30 PM	0	0	0	0	0	0	0	1	4	1	0	0	0	6	0	1	1	0	0	0	2	0	0	0	0	0	0	0	8				
6:45 PM	0	0	0	0	0	0	0	0	4	0	0	0	0	4	0	3	0	0	0	0	3	1	0	0	0	0	0	1	8				
Total Volume	0	2	0	0	0	0	2	1	16	2	0	0	0	19	0	7	3	0	1	0	11	1	0	0	0	0	0	1	33				
% Approach Total	0.0	100.0	0.0	0.0	0.0	0.0		5.3	84.2	10.5	0.0	0.0	0.0		0.0	63.6	27.3	0.0	9.1	0.0		100.0	0.0	0.0	0.0	0.0	0.0						
PHF	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.250	0.800	0.500	0.000	0.000	0.000	0.792	0.000	0.583	0.375	0.000	0.250	0.000	0.688	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.917				
Entering Leg	0	2	0	0	0	0	2	1	16	2	0	0	0	19	0	7	3	0	1	0	11	1	0	0	0	0	0	1	33				
Exiting Leg	8								0								6								19								33
Total	10								19								17								20								66

PDI File #: 186591-18  
 Location: N: Magazine Street S: Magazine Street  
 Location: E: Green Street W: Green Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Magazine Street								Green Street								Magazine Street								Green Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	0	0	0	9	4	13		0	0	0	0	30	23	53		0	0	0	0	5	5	10		0	0	0	0	1	4	5		81
4:45 PM	0	0	0	0	14	11	25		0	0	0	0	27	30	57		0	0	0	0	6	10	16		0	0	0	0	3	2	5		103
Total	0	0	0	0	23	15	38		0	0	0	0	57	53	110		0	0	0	0	11	15	26		0	0	0	0	4	6	10		184
5:00 PM	0	0	0	0	6	12	18		0	0	0	0	39	31	70		0	0	0	0	17	5	22		0	0	0	0	1	2	3		113
5:15 PM	0	0	0	0	8	12	20		0	0	0	0	60	14	74		0	0	0	0	3	4	7		0	0	0	0	2	5	7		108
5:30 PM	0	0	0	0	9	18	27		0	0	0	0	55	21	76		0	0	0	0	9	8	17		0	0	0	0	3	4	7		127
5:45 PM	0	0	0	0	9	22	31		0	0	0	0	47	29	76		0	0	0	0	3	3	6		0	0	0	0	1	12	13		126
Total	0	0	0	0	32	64	96		0	0	0	0	201	95	296		0	0	0	0	32	20	52		0	0	0	0	7	23	30		474
6:00 PM	0	0	0	0	13	14	27		0	0	0	0	55	19	74		0	0	0	0	15	7	22		0	0	0	0	3	9	12		135
6:15 PM	0	0	0	0	7	5	12		0	0	0	0	51	23	74		0	0	0	0	10	7	17		0	0	0	0	1	1	2		105
6:30 PM	0	0	0	0	6	8	14		0	0	0	0	52	27	79		0	0	0	0	9	8	17		0	0	0	0	0	1	1		111
6:45 PM	0	0	0	0	6	7	13		0	0	0	0	54	20	74		0	0	0	0	4	6	10		0	0	0	0	2	2	4		101
Total	0	0	0	0	32	34	66		0	0	0	0	212	89	301		0	0	0	0	38	28	66		0	0	0	0	6	13	19		452
7:00 PM	0	0	0	0	4	4	8		0	0	0	0	39	23	62		0	0	0	0	4	2	6		0	0	0	0	1	2	3		79
7:15 PM	0	0	0	0	4	7	11		0	0	0	0	61	22	83		0	0	0	0	10	4	14		0	0	0	0	2	2	4		112
Total	0	0	0	0	8	11	19		0	0	0	0	100	45	145		0	0	0	0	14	6	20		0	0	0	0	3	4	7		191
Grand Total	0	0	0	0	95	124	219		0	0	0	0	570	282	852		0	0	0	0	95	69	164		0	0	0	0	20	46	66		1301
Approach %	0	0	0	0	43.4	56.6		0	0	0	0	66.9	33.1		0	0	0	0	57.9	42.1		0	0	0	0	30.3	69.7						
Total %	0	0	0	0	7.3	9.53	16.8		0	0	0	0	43.8	21.7	65.5		0	0	0	0	7.3	5.3	12.6		0	0	0	0	1.54	3.54	5.07		
Exiting Leg Total	219								852								164								66	1301							

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street								Green Street								Magazine Street								Green Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:15 PM	0	0	0	0	8	12	20		0	0	0	0	60	14	74		0	0	0	0	3	4	7		0	0	0	0	2	5	7		108
5:30 PM	0	0	0	0	9	18	27		0	0	0	0	55	21	76		0	0	0	0	9	8	17		0	0	0	0	3	4	7		127
5:45 PM	0	0	0	0	9	22	31		0	0	0	0	47	29	76		0	0	0	0	3	3	6		0	0	0	0	1	12	13		126
6:00 PM	0	0	0	0	13	14	27		0	0	0	0	55	19	74		0	0	0	0	15	7	22		0	0	0	0	3	9	12		135
Total Volume	0	0	0	0	39	66	105		0	0	0	0	217	83	300		0	0	0	0	30	22	52		0	0	0	0	9	30	39		496
% Approach Total	0.0	0.0	0.0	0.0	37.1	62.9		0.0	0.0	0.0	0.0	72.3	27.7		0.0	0.0	0.0	0.0	57.7	42.3		0.0	0.0	0.0	0.0	23.1	76.9						
PHF	0.000	0.000	0.000	0.000	0.750	0.750	0.847		0.000	0.000	0.000	0.000	0.904	0.716	0.987		0.000	0.000	0.000	0.000	0.500	0.688	0.591		0.000	0.000	0.000	0.000	0.750	0.625	0.750		0.919
Entering Leg	0	0	0	0	39	66	105		0	0	0	0	217	83	300		0	0	0	0	30	22	52		0	0	0	0	9	30	39		496
Exiting Leg	105								300								52								39	496							
Total	210								600								104								78	992							

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	19	150	0	0	169	0	23	3	0	26	195
7:15 AM	0	0	0	0	0	0	0	0	0	0	24	129	0	0	153	0	27	5	0	32	185
7:30 AM	0	0	0	0	0	0	0	0	0	0	23	139	0	0	162	0	33	6	0	39	201
7:45 AM	0	0	0	0	0	0	0	0	0	0	35	155	0	0	190	0	42	6	0	48	238
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	101	573	0	0	674	0	125	20	0	145	819
8:00 AM	0	0	0	0	0	0	0	0	0	0	33	146	0	0	179	0	42	7	0	49	228
8:15 AM	0	0	0	0	0	0	0	0	0	0	38	127	0	0	165	0	62	16	0	78	243
8:30 AM	0	0	0	0	0	0	0	0	0	0	33	143	0	0	176	0	58	11	0	69	245
8:45 AM	0	0	0	0	0	0	0	0	0	0	41	146	0	0	187	0	70	12	0	82	269
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	145	562	0	0	707	0	232	46	0	278	985
9:00 AM	0	0	0	0	0	0	0	0	0	0	28	157	0	0	185	0	62	11	0	73	258
9:15 AM	0	0	0	0	0	0	0	0	0	0	23	163	0	0	186	0	47	12	0	59	245
9:30 AM	0	0	0	0	0	0	0	0	0	0	26	172	0	0	198	0	45	6	0	51	249
9:45 AM	0	0	0	0	0	0	0	0	0	0	33	145	0	0	178	0	40	7	0	47	225
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	110	637	0	0	747	0	194	36	0	230	977
Grand Total	0	0	0	0	0	0	0	0	0	0	356	1772	0	0	2128	0	551	102	0	653	2781
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		16.7	83.3	0.0	0.0		0.0	84.4	15.6	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	63.7	0.0	0.0	76.5	0.0	19.8	3.7	0.0	23.5	
Exiting Leg Total	1874					907					0					0					2781
Cars	0	0	0	0	0	0	0	0	0	0	348	1628	0	0	1976	0	510	90	0	600	2576
% Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.8	91.9	0.0	0.0	92.9	0.0	92.6	88.2	0.0	91.9	92.6
Exiting Leg Total	1718					858					0					0					2576
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	8	144	0	0	152	0	41	12	0	53	205
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.1	0.0	0.0	7.1	0.0	7.4	11.8	0.0	8.1	7.4
Exiting Leg Total	156					49					0					0					205

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:45 AM	0	0	0	0	0	0	0	0	0	0	41	146	0	0	187	0	70	12	0	82	269
9:00 AM	0	0	0	0	0	0	0	0	0	0	28	157	0	0	185	0	62	11	0	73	258
9:15 AM	0	0	0	0	0	0	0	0	0	0	23	163	0	0	186	0	47	12	0	59	245
9:30 AM	0	0	0	0	0	0	0	0	0	0	26	172	0	0	198	0	45	6	0	51	249
<b>Total Volume</b>	0	0	0	0	0	0	0	0	0	0	118	638	0	0	756	0	224	41	0	265	1021
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		15.6	84.4	0.0	0.0		0.0	84.5	15.5	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.720	0.927	0.000	0.000	0.955	0.000	0.800	0.854	0.000	0.808	0.949
Cars	0	0	0	0	0	0	0	0	0	0	116	593	0	0	709	0	208	39	0	247	956
Cars %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.3	92.9	0.0	0.0	93.8	0.0	92.9	95.1	0.0	93.2	93.6
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	2	45	0	0	47	0	16	2	0	18	65
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	7.1	0.0	0.0	6.2	0.0	7.1	4.9	0.0	6.8	6.4
Cars Enter Leg	0	0	0	0	0	0	0	0	0	0	116	593	0	0	709	0	208	39	0	247	956
Heavy Enter Leg	0	0	0	0	0	0	0	0	0	0	2	45	0	0	47	0	16	2	0	18	65
<b>Total Entering Leg</b>	0	0	0	0	0	0	0	0	0	0	118	638	0	0	756	0	224	41	0	265	1021
Cars Exiting Leg	632					324					0					0					956
Heavy Exiting Leg	47					18					0					0					65
<b>Total Exiting Leg</b>	679					342					0					0					1021

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	18	142	0	0	160	0	19	2	0	21	181
7:15 AM	0	0	0	0	0	0	0	0	0	0	24	112	0	0	136	0	25	4	0	29	165
7:30 AM	0	0	0	0	0	0	0	0	0	0	22	125	0	0	147	0	31	5	0	36	183
7:45 AM	0	0	0	0	0	0	0	0	0	0	35	143	0	0	178	0	36	5	0	41	219
Total	0	0	0	0	0	0	0	0	0	0	99	522	0	0	621	0	111	16	0	127	748
8:00 AM	0	0	0	0	0	0	0	0	0	0	31	135	0	0	166	0	40	5	0	45	211
8:15 AM	0	0	0	0	0	0	0	0	0	0	38	117	0	0	155	0	56	13	0	69	224
8:30 AM	0	0	0	0	0	0	0	0	0	0	31	127	0	0	158	0	57	11	0	68	226
8:45 AM	0	0	0	0	0	0	0	0	0	0	40	136	0	0	176	0	64	12	0	76	252
Total	0	0	0	0	0	0	0	0	0	0	140	515	0	0	655	0	217	41	0	258	913
9:00 AM	0	0	0	0	0	0	0	0	0	0	28	148	0	0	176	0	58	10	0	68	244
9:15 AM	0	0	0	0	0	0	0	0	0	0	23	151	0	0	174	0	44	11	0	55	229
9:30 AM	0	0	0	0	0	0	0	0	0	0	25	158	0	0	183	0	42	6	0	48	231
9:45 AM	0	0	0	0	0	0	0	0	0	0	33	134	0	0	167	0	38	6	0	44	211
Total	0	0	0	0	0	0	0	0	0	0	109	591	0	0	700	0	182	33	0	215	915
Grand Total	0	0	0	0	0	0	0	0	0	0	348	1628	0	0	1976	0	510	90	0	600	2576
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		17.6	82.4	0.0	0.0		0.0	85.0	15.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	63.2	0.0	0.0	76.7	0.0	19.8	3.5	0.0	23.3	
Exiting Leg Total	1718					858					0					0					2576

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:45 AM	0	0	0	0	0	0	0	0	0	0	40	136	0	0	176	0	64	12	0	76	252
9:00 AM	0	0	0	0	0	0	0	0	0	0	28	148	0	0	176	0	58	10	0	68	244
9:15 AM	0	0	0	0	0	0	0	0	0	0	23	151	0	0	174	0	44	11	0	55	229
9:30 AM	0	0	0	0	0	0	0	0	0	0	25	158	0	0	183	0	42	6	0	48	231
Total Volume	0	0	0	0	0	0	0	0	0	0	116	593	0	0	709	0	208	39	0	247	956
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		16.4	83.6	0.0	0.0		0.0	84.2	15.8	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.725	0.938	0.000	0.000	0.969	0.000	0.813	0.813	0.000	0.813	0.948
Entering Leg	0	0	0	0	0	0	0	0	0	0	116	593	0	0	709	0	208	39	0	247	956
Exiting Leg	632					324					0					0					956
Total	632					324					709					247					1912

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	1	8	0	0	9	0	4	1	0	5	14
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	17	0	0	17	0	2	1	0	3	20
7:30 AM	0	0	0	0	0	0	0	0	0	0	1	14	0	0	15	0	2	1	0	3	18
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	0	6	1	0	7	19
Total	0	0	0	0	0	0	0	0	0	0	2	51	0	0	53	0	14	4	0	18	71
8:00 AM	0	0	0	0	0	0	0	0	0	0	2	11	0	0	13	0	2	2	0	4	17
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	0	6	3	0	9	19
8:30 AM	0	0	0	0	0	0	0	0	0	0	2	16	0	0	18	0	1	0	0	1	19
8:45 AM	0	0	0	0	0	0	0	0	0	0	1	10	0	0	11	0	6	0	0	6	17
Total	0	0	0	0	0	0	0	0	0	0	5	47	0	0	52	0	15	5	0	20	72
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	0	4	1	0	5	14
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	0	3	1	0	4	16
9:30 AM	0	0	0	0	0	0	0	0	0	0	1	14	0	0	15	0	3	0	0	3	18
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	0	2	1	0	3	14
Total	0	0	0	0	0	0	0	0	0	0	1	46	0	0	47	0	12	3	0	15	62
Grand Total	0	0	0	0	0	0	0	0	0	0	8	144	0	0	152	0	41	12	0	53	205
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		5.3	94.7	0.0	0.0		0.0	77.4	22.6	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	70.2	0.0	0.0	74.1	0.0	20.0	5.9	0.0	25.9	
Exiting Leg Total	156					49					0					0					205
Buses	0	0	0	0	0	0	0	0	0	0	2	52	0	0	54	0	25	2	0	27	81
% Buses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	36.1	0.0	0.0	35.5	0.0	61.0	16.7	0.0	50.9	39.5
Exiting Leg Total	54					27					0					0					81
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	6	80	0	0	86	0	13	8	0	21	107
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0	55.6	0.0	0.0	56.6	0.0	31.7	66.7	0.0	39.6	52.2
Exiting Leg Total	88					19					0					0					107
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	0	3	2	0	5	17
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	7.9	0.0	7.3	16.7	0.0	9.4	8.3
Exiting Leg Total	14					3					0					0					17

**Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	17	0	0	17	0	2	1	0	3	20
7:30 AM	0	0	0	0	0	0	0	0	0	0	1	14	0	0	15	0	2	1	0	3	18
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	0	6	1	0	7	19
8:00 AM	0	0	0	0	0	0	0	0	0	0	2	11	0	0	13	0	2	2	0	4	17
Total Volume	0	0	0	0	0	0	0	0	0	0	3	54	0	0	57	0	12	5	0	17	74
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		5.3	94.7	0.0	0.0		0.0	70.6	29.4	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.794	0.000	0.000	0.838	0.000	0.500	0.625	0.000	0.607	0.925
Buses	0	0	0	0	0	0	0	0	0	0	1	16	0	0	17	0	6	1	0	7	24
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	29.6	0.0	0.0	29.8	0.0	50.0	20.0	0.0	41.2	32.4
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	2	32	0	0	34	0	3	3	0	6	40
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	59.3	0.0	0.0	59.6	0.0	25.0	60.0	0.0	35.3	54.1
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	0	3	1	0	4	10
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	10.5	0.0	25.0	20.0	0.0	23.5	13.5
Buses	0	0	0	0	0	0	0	0	0	0	1	16	0	0	17	0	6	1	0	7	24
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	2	32	0	0	34	0	3	3	0	6	40
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	0	3	1	0	4	10
Total Entering Leg	0	0	0	0	0	0	0	0	0	0	3	54	0	0	57	0	12	5	0	17	74
Buses	17					7					0					0					24
Single-Unit Trucks	35					5					0					0					40
Articulated Trucks	7					3					0					0					10
Total Exiting Leg	59					15					0					0					74

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	18	124	0	0	142	0	19	2	0	21	163
7:15 AM	0	0	0	0	0	0	0	0	0	0	20	99	0	0	119	0	21	3	0	24	143
7:30 AM	0	0	0	0	0	0	0	0	0	0	22	114	0	0	136	0	26	4	0	30	166
7:45 AM	0	0	0	0	0	0	0	0	0	0	34	131	0	0	165	0	34	5	0	39	204
Total	0	0	0	0	0	0	0	0	0	0	94	468	0	0	562	0	100	14	0	114	676
8:00 AM	0	0	0	0	0	0	0	0	0	0	29	130	0	0	159	0	39	5	0	44	203
8:15 AM	0	0	0	0	0	0	0	0	0	0	37	104	0	0	141	0	54	12	0	66	207
8:30 AM	0	0	0	0	0	0	0	0	0	0	30	121	0	0	151	0	51	11	0	62	213
8:45 AM	0	0	0	0	0	0	0	0	0	0	39	128	0	0	167	0	57	12	0	69	236
Total	0	0	0	0	0	0	0	0	0	0	135	483	0	0	618	0	201	40	0	241	859
9:00 AM	0	0	0	0	0	0	0	0	0	0	27	134	0	0	161	0	55	10	0	65	226
9:15 AM	0	0	0	0	0	0	0	0	0	0	22	134	0	0	156	0	40	11	0	51	207
9:30 AM	0	0	0	0	0	0	0	0	0	0	24	139	0	0	163	0	39	5	0	44	207
9:45 AM	0	0	0	0	0	0	0	0	0	0	31	123	0	0	154	0	34	5	0	39	193
Total	0	0	0	0	0	0	0	0	0	0	104	530	0	0	634	0	168	31	0	199	833
Grand Total	0	0	0	0	0	0	0	0	0	0	333	1481	0	0	1814	0	469	85	0	554	2368
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		18.4	81.6	0.0	0.0		0.0	84.7	15.3	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	62.5	0.0	0.0	76.6	0.0	19.8	3.6	0.0	23.4	
Exiting Leg Total	1566					802					0					0					2368

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:15 AM	0	0	0	0	0	0	0	0	0	0	37	104	0	0	141	0	54	12	0	66	207
8:30 AM	0	0	0	0	0	0	0	0	0	0	30	121	0	0	151	0	51	11	0	62	213
8:45 AM	0	0	0	0	0	0	0	0	0	0	39	128	0	0	167	0	57	12	0	69	236
9:00 AM	0	0	0	0	0	0	0	0	0	0	27	134	0	0	161	0	55	10	0	65	226
Total Volume	0	0	0	0	0	0	0	0	0	0	133	487	0	0	620	0	217	45	0	262	882
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		21.5	78.5	0.0	0.0		0.0	82.8	17.2	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.853	0.909	0.000	0.000	0.928	0.000	0.952	0.938	0.000	0.949	0.934
Entering Leg	0	0	0	0	0	0	0	0	0	0	133	487	0	0	620	0	217	45	0	262	882
Exiting Leg	532					350					0					0					882
Total	532					350					620					262					1764

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Light Goods Vehicle**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	18	0	0	18	0	0	0	0	0	18
7:15 AM	0	0	0	0	0	0	0	0	0	0	4	13	0	0	17	0	4	1	0	5	22
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	0	5	1	0	6	17
7:45 AM	0	0	0	0	0	0	0	0	0	0	1	12	0	0	13	0	2	0	0	2	15
Total	0	0	0	0	0	0	0	0	0	0	5	54	0	0	59	0	11	2	0	13	72
8:00 AM	0	0	0	0	0	0	0	0	0	0	2	5	0	0	7	0	1	0	0	1	8
8:15 AM	0	0	0	0	0	0	0	0	0	0	1	13	0	0	14	0	1	1	0	2	16
8:30 AM	0	0	0	0	0	0	0	0	0	0	1	6	0	0	7	0	6	0	0	6	13
8:45 AM	0	0	0	0	0	0	0	0	0	0	1	8	0	0	9	0	5	0	0	5	14
Total	0	0	0	0	0	0	0	0	0	0	5	32	0	0	37	0	13	1	0	14	51
9:00 AM	0	0	0	0	0	0	0	0	0	0	1	14	0	0	15	0	3	0	0	3	18
9:15 AM	0	0	0	0	0	0	0	0	0	0	1	17	0	0	18	0	4	0	0	4	22
9:30 AM	0	0	0	0	0	0	0	0	0	0	1	19	0	0	20	0	3	1	0	4	24
9:45 AM	0	0	0	0	0	0	0	0	0	0	2	11	0	0	13	0	4	1	0	5	18
Total	0	0	0	0	0	0	0	0	0	0	5	61	0	0	66	0	14	2	0	16	82
Grand Total	0	0	0	0	0	0	0	0	0	0	15	147	0	0	162	0	38	5	0	43	205
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		9.3	90.7	0.0	0.0		0.0	88.4	11.6	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	71.7	0.0	0.0	79.0	0.0	18.5	2.4	0.0	21.0	
Exiting Leg Total	152					53					0					0					205

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	0	0	0	0	0	0	0	0	0	1	14	0	0	15	0	3	0	0	3	18
9:15 AM	0	0	0	0	0	0	0	0	0	0	1	17	0	0	18	0	4	0	0	4	22
9:30 AM	0	0	0	0	0	0	0	0	0	0	1	19	0	0	20	0	3	1	0	4	24
9:45 AM	0	0	0	0	0	0	0	0	0	0	2	11	0	0	13	0	4	1	0	5	18
Total Volume	0	0	0	0	0	0	0	0	0	0	5	61	0	0	66	0	14	2	0	16	82
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		7.6	92.4	0.0	0.0		0.0	87.5	12.5	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.803	0.000	0.000	0.825	0.000	0.875	0.500	0.000	0.800	0.854
Entering Leg	0	0	0	0	0	0	0	0	0	0	5	61	0	0	66	0	14	2	0	16	82
Exiting Leg	63					19					0					0					82
Total	63					19					66					16					164



PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
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**Buses**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	2	3
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	4
7:30 AM	0	0	0	0	0	0	0	0	0	0	1	4	0	0	5	0	0	0	0	0	5
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	3	1	0	4	9
Total	0	0	0	0	0	0	0	0	0	0	1	13	0	0	14	0	6	1	0	7	21
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	2	0	0	2	6
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	5	1	0	6	11
8:30 AM	0	0	0	0	0	0	0	0	0	0	1	13	0	0	14	0	1	0	0	1	15
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	0	2	0	0	2	8
Total	0	0	0	0	0	0	0	0	0	0	1	28	0	0	29	0	10	1	0	11	40
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	3	0	0	3	6
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	2	0	0	2	4
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	3	0	0	3	7
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	1	3
Total	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	0	9	0	0	9	20
Grand Total	0	0	0	0	0	0	0	0	0	0	2	52	0	0	54	0	25	2	0	27	81
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		3.7	96.3	0.0	0.0		0.0	92.6	7.4	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	64.2	0.0	0.0	66.7	0.0	30.9	2.5	0.0	33.3	
Exiting Leg Total	54					27					0					0					81

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	3	1	0	4	9
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	2	0	0	2	6
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	5	1	0	6	11
8:30 AM	0	0	0	0	0	0	0	0	0	0	1	13	0	0	14	0	1	0	0	1	15
Total Volume	0	0	0	0	0	0	0	0	0	0	1	27	0	0	28	0	11	2	0	13	41
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		3.6	96.4	0.0	0.0		0.0	84.6	15.4	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.519	0.000	0.000	0.500	0.000	0.550	0.500	0.000	0.542	0.683
Entering Leg	0	0	0	0	0	0	0	0	0	0	1	27	0	0	28	0	11	2	0	13	41
Exiting Leg	29					12					0					0					41
Total	29					12					28					13					82

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	1	6	0	0	7	0	2	0	0	2	9
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	0	0	1	0	1	13
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	0	1	1	0	2	8
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	2	0	0	2	9
Total	0	0	0	0	0	0	0	0	0	0	1	31	0	0	32	0	5	2	0	7	39
8:00 AM	0	0	0	0	0	0	0	0	0	0	2	7	0	0	9	0	0	1	0	1	10
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	1	2	0	3	8
8:30 AM	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	4
8:45 AM	0	0	0	0	0	0	0	0	0	0	1	4	0	0	5	0	4	0	0	4	9
Total	0	0	0	0	0	0	0	0	0	0	4	19	0	0	23	0	5	3	0	8	31
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	0	1	1	0	2	8
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	1	1	0	2	10
9:30 AM	0	0	0	0	0	0	0	0	0	0	1	8	0	0	9	0	0	0	0	0	9
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	1	1	0	2	10
Total	0	0	0	0	0	0	0	0	0	0	1	30	0	0	31	0	3	3	0	6	37
Grand Total	0	0	0	0	0	0	0	0	0	0	6	80	0	0	86	0	13	8	0	21	107
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		7.0	93.0	0.0	0.0		0.0	61.9	38.1	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	74.8	0.0	0.0	80.4	0.0	12.1	7.5	0.0	19.6	
Exiting Leg Total	88					19					0					0					107

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:15 AM	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	0	0	1	0	1	13
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	0	1	1	0	2	8
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	2	0	0	2	9
8:00 AM	0	0	0	0	0	0	0	0	0	0	2	7	0	0	9	0	0	1	0	1	10
Total Volume	0	0	0	0	0	0	0	0	0	0	2	32	0	0	34	0	3	3	0	6	40
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		5.9	94.1	0.0	0.0		0.0	50.0	50.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.667	0.000	0.000	0.708	0.000	0.375	0.750	0.000	0.750	0.769
Entering Leg	0	0	0	0	0	0	0	0	0	0	2	32	0	0	34	0	3	3	0	6	40
Exiting Leg	35					5					0					0					40
Total	35					5					34					6					80

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	1	3
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	1	0	0	1	5
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	3	1	0	4	11
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	5
<b>Grand Total</b>	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	0	3	2	0	5	17
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	60.0	40.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.6	0.0	0.0	70.6	0.0	17.6	11.8	0.0	29.4	
Exiting Leg Total	14					3					0					0					17

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	1	3
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	1	0	0	1	5
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Total Volume</b>	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	3	1	0	4	11
<b>% Approach Total</b>	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	75.0	25.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.438	0.000	0.000	0.438	0.000	0.750	0.250	0.000	1.000	0.550
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	3	1	0	4	11
Exiting Leg	8					3					7					0					11
<b>Total</b>	8					3					7					4					22

PDI File #: 186591-24  
 Location: N: River Street S: River Street  
 Location: E: Franklin Street W: Franklin Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	River Street								Franklin Street								River Street								Franklin Street								Total	
	from North								from East								from South								from West									
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total			
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	2	0	0	0	0	0	2	4
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	3	1	0	0	0	0	4	5	
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	2	1	0	0	0	0	3	5	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	6	0	6	1	0	0	0	0	7	13	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	11	0	13	3	0	0	0	0	16	27		
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	0	0	0	0	14	0	2	1	0	0	0	0	3	17		
8:15 AM	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	4	14	0	0	0	0	18	0	4	2	0	0	0	0	6	25		
8:30 AM	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6	0	8	1	0	0	0	0	9	17		
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	5	0	8	1	0	0	0	0	9	14		
Total	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	8	35	0	0	0	0	43	0	22	5	0	0	0	0	27	73			
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	0	0	0	0	9	0	3	5	0	0	0	0	8	17			
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	1	0	9	0	6	4	0	0	0	0	10	19			
9:30 AM	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	0	6	0	0	0	0	0	6	13			
9:45 AM	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	6	2	0	0	0	0	8	10			
Total	0	0	0	0	3	1	4	0	0	0	0	0	0	0	0	1	21	0	0	1	0	23	0	21	11	0	0	0	0	32	59			
Grand Total	0	0	0	0	5	2	7	0	0	0	0	0	0	0	0	9	67	0	0	1	0	77	0	56	19	0	0	0	0	75	159			
Approach %	0.0	0.0	0.0	0.0	71.4	28.6		0.0	0.0	0.0	0.0	0.0	0.0		11.7	87.0	0.0	0.0	1.3	0.0		0.0	74.7	25.3	0.0	0.0	0.0							
Total %	0.0	0.0	0.0	0.0	3.1	1.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5.7	42.1	0.0	0.0	0.6	0.0	48.4	0.0	35.2	11.9	0.0	0.0	0.0	47.2					
Exiting Leg Total	93							65							1							0							159					

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	River Street								Franklin Street								River Street								Franklin Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	0	0	0	0	14	0	2	1	0	0	0	0	3	17		
8:15 AM	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	4	14	0	0	0	0	18	0	4	2	0	0	0	0	6	25		
8:30 AM	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6	0	8	1	0	0	0	0	9	17		
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	5	0	8	1	0	0	0	0	9	14		
Total Volume	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	8	35	0	0	0	0	43	0	22	5	0	0	0	0	27	73		
% Approach Total	0.0	0.0	0.0	0.0	66.7	33.3		0.0	0.0	0.0	0.0	0.0	0.0		18.6	81.4	0.0	0.0	0.0	0.0		0.0	81.5	18.5	0.0	0.0	0.0						
PHF	0.000	0.000	0.000	0.000	0.250	0.250	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.500	0.625	0.000	0.000	0.000	0.000	0.597	0.000	0.688	0.625	0.000	0.000	0.000	0.750	0.730			
Entering Leg	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	8	35	0	0	0	0	43	0	22	5	0	0	0	27	73			
Exiting Leg	43							30							43							0							73				
Total	46							30							43							27							146				

PDI File #: 186591-24  
 Location: N: River Street S: River Street  
 Location: E: Franklin Street W: Franklin Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
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 Email: datarequests@pdillc.com

**Pedestrians**

	River Street							Franklin Street							River Street							Franklin Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	4	2	6	0	0	0	0	8	15	23	0	0	0	0	2	8	10	0	0	0	0	2	1	3	42
7:15 AM	0	0	0	0	4	2	6	0	0	0	0	9	32	41	0	0	0	0	1	4	5	0	0	0	0	2	1	3	55
7:30 AM	0	0	0	0	9	3	12	0	0	0	0	10	23	33	0	0	0	0	5	3	8	0	0	0	0	4	2	6	59
7:45 AM	0	0	0	0	7	4	11	0	0	0	0	13	39	52	0	0	0	0	5	9	14	0	0	0	0	0	1	1	78
Total	0	0	0	0	24	11	35	0	0	0	0	40	109	149	0	0	0	0	13	24	37	0	0	0	0	8	5	13	234
8:00 AM	0	0	0	0	13	2	15	0	0	0	0	10	46	56	0	0	0	0	2	12	14	0	0	0	0	4	0	4	89
8:15 AM	0	0	0	0	11	5	16	0	0	0	0	18	27	45	0	0	0	0	2	4	6	0	0	0	0	1	0	1	68
8:30 AM	0	0	0	0	9	1	10	0	0	0	0	7	47	54	0	0	0	0	0	12	12	0	0	0	0	5	1	6	82
8:45 AM	0	0	0	0	9	7	16	0	0	0	0	5	39	44	0	0	0	0	0	14	14	0	0	0	0	0	0	0	74
Total	0	0	0	0	42	15	57	0	0	0	0	40	159	199	0	0	0	0	4	42	46	0	0	0	0	10	1	11	313
9:00 AM	0	0	0	0	3	2	5	0	0	0	0	4	32	36	0	0	0	0	3	6	9	0	0	0	0	4	1	5	55
9:15 AM	0	0	0	0	11	0	11	0	0	0	0	14	24	38	0	0	0	0	5	9	14	0	0	0	0	2	0	2	65
9:30 AM	0	0	0	0	6	2	8	0	0	0	0	19	17	36	0	0	0	0	1	3	4	0	0	0	0	1	2	3	51
9:45 AM	0	0	0	0	5	3	8	0	0	0	0	13	16	29	0	0	0	0	3	4	7	0	0	0	0	4	1	5	49
Total	0	0	0	0	25	7	32	0	0	0	0	50	89	139	0	0	0	0	12	22	34	0	0	0	0	11	4	15	220
Grand Total	0	0	0	0	91	33	124	0	0	0	0	130	357	487	0	0	0	0	29	88	117	0	0	0	0	29	10	39	767
Approach %	0	0	0	0	73.4	26.6		0	0	0	0	26.7	73.3		0	0	0	0	24.8	75.2		0	0	0	0	74.4	25.6		
Total %	0	0	0	0	11.9	4.3	16.2	0	0	0	0	16.9	46.5	63.5	0	0	0	0	3.78	11.5	15.3	0	0	0	0	3.78	1.3	5.08	
Exiting Leg Total	124							487							117							39							767

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	River Street							Franklin Street							River Street							Franklin Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:45 AM	0	0	0	0	7	4	11	0	0	0	0	13	39	52	0	0	0	0	5	9	14	0	0	0	0	0	1	1	78
8:00 AM	0	0	0	0	13	2	15	0	0	0	0	10	46	56	0	0	0	0	2	12	14	0	0	0	0	4	0	4	89
8:15 AM	0	0	0	0	11	5	16	0	0	0	0	18	27	45	0	0	0	0	2	4	6	0	0	0	0	1	0	1	68
8:30 AM	0	0	0	0	9	1	10	0	0	0	0	7	47	54	0	0	0	0	0	12	12	0	0	0	0	5	1	6	82
Total Volume	0	0	0	0	40	12	52	0	0	0	0	48	159	207	0	0	0	0	9	37	46	0	0	0	0	10	2	12	317
% Approach Total	0.0	0.0	0.0	0.0	76.9	23.1		0.0	0.0	0.0	0.0	23.2	76.8		0.0	0.0	0.0	0.0	19.6	80.4		0.0	0.0	0.0	0.0	83.3	16.7		
PHF	0.000	0.000	0.000	0.000	0.769	0.600	0.813	0.000	0.000	0.000	0.000	0.667	0.846	0.924	0.000	0.000	0.000	0.000	0.450	0.771	0.821	0.000	0.000	0.000	0.000	0.500	0.500	0.500	0.890
Entering Leg	0	0	0	0	40	12	52	0	0	0	0	48	159	207	0	0	0	0	9	37	46	0	0	0	0	10	2	12	317
Exiting Leg	52							207							46							12							317
Total	104							414							92							24							634

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	18	157	0	0	175	0	29	10	0	39	214
4:45 PM	0	0	0	0	0	0	0	0	0	0	17	147	0	0	164	0	23	3	0	26	190
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>304</b>	<b>0</b>	<b>0</b>	<b>339</b>	<b>0</b>	<b>52</b>	<b>13</b>	<b>0</b>	<b>65</b>	<b>404</b>
5:00 PM	0	0	0	0	0	0	0	0	0	0	18	146	0	0	164	0	29	7	0	36	200
5:15 PM	0	0	0	0	0	0	0	0	0	0	24	153	0	0	177	0	31	13	0	44	221
5:30 PM	0	0	0	0	0	0	0	0	0	0	16	149	0	0	165	0	27	4	0	31	196
5:45 PM	0	0	0	0	0	0	0	0	0	0	18	142	0	0	160	0	27	4	0	31	191
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76</b>	<b>590</b>	<b>0</b>	<b>0</b>	<b>666</b>	<b>0</b>	<b>114</b>	<b>28</b>	<b>0</b>	<b>142</b>	<b>808</b>
6:00 PM	0	0	0	0	0	0	0	0	0	0	15	167	0	0	182	0	47	9	0	56	238
6:15 PM	0	0	0	0	0	0	0	0	0	0	24	165	0	0	189	0	32	16	0	48	237
6:30 PM	0	0	0	0	0	0	0	0	0	0	19	154	0	0	173	0	42	12	0	54	227
6:45 PM	0	0	0	0	0	0	0	0	0	0	27	169	0	0	196	1	43	11	0	55	251
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>85</b>	<b>655</b>	<b>0</b>	<b>0</b>	<b>740</b>	<b>1</b>	<b>164</b>	<b>48</b>	<b>0</b>	<b>213</b>	<b>953</b>
7:00 PM	0	0	0	0	0	0	0	0	0	0	14	143	0	0	157	0	24	10	0	34	191
7:15 PM	0	0	0	0	0	1	0	0	0	1	15	142	0	0	157	2	26	9	0	37	195
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>29</b>	<b>285</b>	<b>0</b>	<b>0</b>	<b>314</b>	<b>2</b>	<b>50</b>	<b>19</b>	<b>0</b>	<b>71</b>	<b>386</b>
Grand Total	0	0	0	0	0	1	0	0	0	1	225	1834	0	0	2059	3	380	108	0	491	2551
Approach %	0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0		10.9	89.1	0.0	0.0		0.6	77.4	22.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	71.9	0.0	0.0	80.7	0.1	14.9	4.2	0.0	19.2	
Exiting Leg Total	1943					605					3					0					2551
Cars	0	0	0	0	0	1	0	0	0	1	225	1772	0	0	1997	3	366	105	0	474	2472
% Cars	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	100.0	96.6	0.0	0.0	97.0	100.0	96.3	97.2	0.0	96.5	96.9
Exiting Leg Total	1878					591					3					0					2472
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	62	0	0	62	0	14	3	0	17	79
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	3.0	0.0	3.7	2.8	0.0	3.5	3.1
Exiting Leg Total	65					14					0					0					79

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

6:00 PM	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	0	0	0	0	0	0	0	0	0	0	15	167	0	0	182	0	47	9	0	56	238
6:15 PM	0	0	0	0	0	0	0	0	0	0	24	165	0	0	189	0	32	16	0	48	237
6:30 PM	0	0	0	0	0	0	0	0	0	0	19	154	0	0	173	0	42	12	0	54	227
6:45 PM	0	0	0	0	0	0	0	0	0	0	27	169	0	0	196	1	43	11	0	55	251
Total Volume	0	0	0	0	0	0	0	0	0	0	85	655	0	0	740	1	164	48	0	213	953
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		11.5	88.5	0.0	0.0		0.5	77.0	22.5	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.787	0.969	0.000	0.000	0.944	0.250	0.872	0.750	0.000	0.951	0.949
Cars	0	0	0	0	0	0	0	0	0	0	85	635	0	0	720	1	158	47	0	206	926
Cars %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	96.9	0.0	0.0	97.3	100.0	96.3	97.9	0.0	96.7	97.2
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	20	0	0	20	0	6	1	0	7	27
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	2.7	0.0	3.7	2.1	0.0	3.3	2.8
Cars Enter Leg	0	0	0	0	0	0	0	0	0	0	85	635	0	0	720	1	158	47	0	206	926
Heavy Enter Leg	0	0	0	0	0	0	0	0	0	0	0	20	0	0	20	0	6	1	0	7	27
Total Entering Leg	0	0	0	0	0	0	0	0	0	0	85	655	0	0	740	1	164	48	0	213	953
Cars Exiting Leg	682					243					1					0					926
Heavy Exiting Leg	21					6					0					0					27
Total Exiting Leg	703					249					1					0					953

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	18	154	0	0	172	0	28	10	0	38	210
4:45 PM	0	0	0	0	0	0	0	0	0	0	17	138	0	0	155	0	23	3	0	26	181
Total	0	0	0	0	0	0	0	0	0	0	35	292	0	0	327	0	51	13	0	64	391
5:00 PM	0	0	0	0	0	0	0	0	0	0	18	143	0	0	161	0	25	7	0	32	193
5:15 PM	0	0	0	0	0	0	0	0	0	0	24	148	0	0	172	0	31	13	0	44	216
5:30 PM	0	0	0	0	0	0	0	0	0	0	16	145	0	0	161	0	27	3	0	30	191
5:45 PM	0	0	0	0	0	0	0	0	0	0	18	130	0	0	148	0	25	4	0	29	177
Total	0	0	0	0	0	0	0	0	0	0	76	566	0	0	642	0	108	27	0	135	777
6:00 PM	0	0	0	0	0	0	0	0	0	0	15	162	0	0	177	0	47	8	0	55	232
6:15 PM	0	0	0	0	0	0	0	0	0	0	24	162	0	0	186	0	32	16	0	48	234
6:30 PM	0	0	0	0	0	0	0	0	0	0	19	149	0	0	168	0	39	12	0	51	219
6:45 PM	0	0	0	0	0	0	0	0	0	0	27	162	0	0	189	1	40	11	0	52	241
Total	0	0	0	0	0	0	0	0	0	0	85	635	0	0	720	1	158	47	0	206	926
7:00 PM	0	0	0	0	0	0	0	0	0	0	14	140	0	0	154	0	24	9	0	33	187
7:15 PM	0	0	0	0	0	1	0	0	0	1	15	139	0	0	154	2	25	9	0	36	191
Total	0	0	0	0	0	1	0	0	0	1	29	279	0	0	308	2	49	18	0	69	378
Grand Total	0	0	0	0	0	1	0	0	0	1	225	1772	0	0	1997	3	366	105	0	474	2472
Approach %	0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0		11.3	88.7	0.0	0.0		0.6	77.2	22.2	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	71.7	0.0	0.0	80.8	0.1	14.8	4.2	0.0	19.2	
Exiting Leg Total	1878					591					3					0					2472

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	0	0	0	0	0	0	0	0	0	0	15	162	0	0	177	0	47	8	0	55	232
6:15 PM	0	0	0	0	0	0	0	0	0	0	24	162	0	0	186	0	32	16	0	48	234
6:30 PM	0	0	0	0	0	0	0	0	0	0	19	149	0	0	168	0	39	12	0	51	219
6:45 PM	0	0	0	0	0	0	0	0	0	0	27	162	0	0	189	1	40	11	0	52	241
Total Volume	0	0	0	0	0	0	0	0	0	0	85	635	0	0	720	1	158	47	0	206	926
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		11.8	88.2	0.0	0.0		0.5	76.7	22.8	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.787	0.980	0.000	0.000	0.952	0.250	0.840	0.734	0.000	0.936	0.961
Entering Leg	0	0	0	0	0	0	0	0	0	0	85	635	0	0	720	1	158	47	0	206	926
Exiting Leg	682					243					1					0					926
Total	682					243					721					206					1852

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class: **Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	4
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	9
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>13</b>
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	4	0	0	4	7
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	5
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	1	0	1	5
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	0	2	0	0	2	14
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>31</b>
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	0	1	0	1	6
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	3
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	3	0	0	3	8
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	3	0	0	3	10
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>27</b>
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	4
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	4
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>8</b>
Grand Total	0	0	0	0	0	0	0	0	0	0	0	62	0	0	62	0	14	3	0	17	79
Approach %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	82.4	17.6	0.0	100.0	
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.5	0.0	0.0	78.5	0.0	17.7	3.8	0.0	21.5	
Exiting Leg Total						65						14						0	79		
Buses	0	0	0	0	0	0	0	0	0	0	0	41	0	0	41	0	12	3	0	15	56
% Buses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.1	0.0	0.0	66.1	0.0	85.7	100.0	0.0	88.2	70.9
Exiting Leg Total						44						12						0	56		
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	17	0	0	17	0	2	0	0	2	19
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	0.0	0.0	27.4	0.0	14.3	0.0	0.0	11.8	24.1
Exiting Leg Total						17						2						0	19		
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	4
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	5.1
Exiting Leg Total						4						0						0	4		

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

5:00 PM	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	4	0	0	4	7
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	5
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	1	0	1	5
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	0	2	0	0	2	14
<b>Total Volume</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>31</b>
<b>% Approach Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>100.0</b>	<b>0.0</b>	<b>0.0</b>	<b>100.0</b>	<b>0.0</b>	<b>85.7</b>	<b>14.3</b>	<b>0.0</b>	<b>100.0</b>	
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.000	0.375	0.250	0.000	0.438	0.554
Buses	0	0	0	0	0	0	0	0	0	0	0	16	0	0	16	0	5	1	0	6	22
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	0.0	0.0	66.7	0.0	83.3	100.0	0.0	85.7	71.0
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	1	0	0	1	9
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	33.3	0.0	16.7	0.0	0.0	14.3	29.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buses	0	0	0	0	0	0	0	0	0	0	0	16	0	0	16	0	5	1	0	6	22
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	1	0	0	1	9
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Entering Leg</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>31</b>
Buses						17						5						0	22		
Single-Unit Trucks						8						1						0	9		
Articulated Trucks						0						0						0	0		
<b>Total Exiting Leg</b>						<b>25</b>						<b>6</b>						<b>0</b>	<b>31</b>		



PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	16	151	0	0	167	0	28	10	0	38	205
4:45 PM	0	0	0	0	0	0	0	0	0	0	16	132	0	0	148	0	21	3	0	24	172
Total	0	0	0	0	0	0	0	0	0	0	32	283	0	0	315	0	49	13	0	62	377
5:00 PM	0	0	0	0	0	0	0	0	0	0	18	136	0	0	154	0	25	6	0	31	185
5:15 PM	0	0	0	0	0	0	0	0	0	0	23	142	0	0	165	0	29	13	0	42	207
5:30 PM	0	0	0	0	0	0	0	0	0	0	15	142	0	0	157	0	26	3	0	29	186
5:45 PM	0	0	0	0	0	0	0	0	0	0	17	126	0	0	143	0	25	4	0	29	172
Total	0	0	0	0	0	0	0	0	0	0	73	546	0	0	619	0	105	26	0	131	750
6:00 PM	0	0	0	0	0	0	0	0	0	0	14	155	0	0	169	0	44	8	0	52	221
6:15 PM	0	0	0	0	0	0	0	0	0	0	22	155	0	0	177	0	30	15	0	45	222
6:30 PM	0	0	0	0	0	0	0	0	0	0	19	145	0	0	164	0	38	12	0	50	214
6:45 PM	0	0	0	0	0	0	0	0	0	0	27	157	0	0	184	1	36	11	0	48	232
Total	0	0	0	0	0	0	0	0	0	0	82	612	0	0	694	1	148	46	0	195	889
7:00 PM	0	0	0	0	0	0	0	0	0	0	13	136	0	0	149	0	23	9	0	32	181
7:15 PM	0	0	0	0	0	1	0	0	0	1	15	137	0	0	152	2	23	9	0	34	187
Total	0	0	0	0	0	1	0	0	0	1	28	273	0	0	301	2	46	18	0	66	368
Grand Total	0	0	0	0	0	1	0	0	0	1	215	1714	0	0	1929	3	348	103	0	454	2384
Approach %	0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0		11.1	88.9	0.0	0.0		0.7	76.7	22.7	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	71.9	0.0	0.0	80.9	0.1	14.6	4.3	0.0	19.0	
Exiting Leg Total	1818					563					3					0					2384

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	0	0	0	0	0	0	0	0	0	0	14	155	0	0	169	0	44	8	0	52	221
6:15 PM	0	0	0	0	0	0	0	0	0	0	22	155	0	0	177	0	30	15	0	45	222
6:30 PM	0	0	0	0	0	0	0	0	0	0	19	145	0	0	164	0	38	12	0	50	214
6:45 PM	0	0	0	0	0	0	0	0	0	0	27	157	0	0	184	1	36	11	0	48	232
Total Volume	0	0	0	0	0	0	0	0	0	0	82	612	0	0	694	1	148	46	0	195	889
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		11.8	88.2	0.0	0.0		0.5	75.9	23.6	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.759	0.975	0.000	0.000	0.943	0.250	0.841	0.767	0.000	0.938	0.958
Entering Leg	0	0	0	0	0	0	0	0	0	0	82	612	0	0	694	1	148	46	0	195	889
Exiting Leg	658					230					1					0					889
Total	658					230					695					195					1778

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Light Goods Vehicle**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	2	3	0	0	5	0	0	0	0	0	5
4:45 PM	0	0	0	0	0	0	0	0	0	0	1	6	0	0	7	0	2	0	0	0	2
Total	0	0	0	0	0	0	0	0	0	0	3	9	0	0	12	0	2	0	0	2	14
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	0	0	1	0	1	7
5:15 PM	0	0	0	0	0	0	0	0	0	0	1	6	0	0	7	0	2	0	0	2	9
5:30 PM	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	0	1	0	0	1	5
5:45 PM	0	0	0	0	0	0	0	0	0	0	1	4	0	0	5	0	0	0	0	0	5
Total	0	0	0	0	0	0	0	0	0	0	3	19	0	0	22	0	3	1	0	4	26
6:00 PM	0	0	0	0	0	0	0	0	0	0	1	7	0	0	8	0	3	0	0	3	11
6:15 PM	0	0	0	0	0	0	0	0	0	0	2	7	0	0	9	0	2	1	0	3	12
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	1	0	0	1	5
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	4	0	0	4	7
Total	0	0	0	0	0	0	0	0	0	0	3	21	0	0	24	0	10	1	0	11	35
7:00 PM	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	0	1	0	0	1	5
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	2	0	0	2	4
Total	0	0	0	0	0	0	0	0	0	0	1	5	0	0	6	0	3	0	0	3	9
Grand Total	0	0	0	0	0	0	0	0	0	0	10	54	0	0	64	0	18	2	0	20	84
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		15.6	84.4	0.0	0.0		0.0	90.0	10.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	64.3	0.0	0.0	76.2	0.0	21.4	2.4	0.0	23.8	
Exiting Leg Total						56					28					0					84

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	River Street					Franklin Street					River Street					Franklin Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
6:00 PM	0	0	0	0	0	0	0	0	0	0	1	7	0	0	8	0	3	0	0	3	11					
6:15 PM	0	0	0	0	0	0	0	0	0	0	2	7	0	0	9	0	2	1	0	3	12					
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	1	0	0	1	5					
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	4	0	0	4	7					
Total Volume	0	0	0	0	0	0	0	0	0	0	3	21	0	0	24	0	10	1	0	11	35					
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		12.5	87.5	0.0	0.0		0.0	90.9	9.1	0.0							
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.750	0.000	0.000	0.667	0.000	0.625	0.250	0.000	0.688	0.729					
Entering Leg	0	0	0	0	0	0	0	0	0	0	3	21	0	0	24	0	10	1	0	11	35					
Exiting Leg						22					13					0					35					
Total						22					13					24					11					70

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	4
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	5
Total	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	1	0	0	1	9
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	3	0	0	3	4
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	3
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	3
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	0	2	0	0	2	12
Total	0	0	0	0	0	0	0	0	0	0	0	16	0	0	16	0	5	1	0	6	22
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	3
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	3	0	0	3	8
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	2	0	0	2	7
Total	0	0	0	0	0	0	0	0	0	0	0	13	0	0	13	0	5	1	0	6	19
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	3
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	1	3
Total	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	1	1	0	2	6
Grand Total	0	0	0	0	0	0	0	0	0	0	0	41	0	0	41	0	12	3	0	15	56
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	80.0	20.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.2	0.0	0.0	73.2	0.0	21.4	5.4	0.0	26.8	
Exiting Leg Total	44					12					0					0					56

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	0	2	0	0	2	12
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	3
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	3	0	0	3	8
Total Volume	0	0	0	0	0	0	0	0	0	0	0	18	0	0	18	0	5	1	0	6	24
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	83.3	16.7	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.000	0.000	0.450	0.000	0.417	0.250	0.000	0.500	0.500
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	18	0	0	18	0	5	1	0	6	24
Exiting Leg	19					5					0					0					24
Total	19					5					18					6					48

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	1	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
Total	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	1	0	0	1	9
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
Total	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	1	0	0	1	6
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
Grand Total	0	0	0	0	0	0	0	0	0	0	0	17	0	0	17	0	2	0	0	2	19
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89.5	0.0	0.0	89.5	0.0	10.5	0.0	0.0	10.5	
Exiting Leg Total	17					2					0					0					19

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	1	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
Total Volume	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	1	0	0	1	9
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.250	0.000	0.000	0.250	0.750
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	1	0	0	1	9
Exiting Leg	8					1					0					0					9
Total	8					1					8					1					18

PDI File #: **186591-24**  
 Location: **N: River Street S: River Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	4
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	4					0					0					0					4

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	River Street					Franklin Street					River Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
Exiting Leg	2					0					0					0					2
Total	2					0					2					0					4

PDI File #: 186591-24  
 Location: N: River Street S: River Street  
 Location: E: Franklin Street W: Franklin Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	River Street							Franklin Street							River Street							Franklin Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2		
4:45 PM	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4		
Total	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6		
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2		
5:15 PM	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4		
5:30 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	4	0	0	0	0	0	0	0	0	0	4		
5:45 PM	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	5	0	0	0	0	0	0	0	0	0	0	5		
Total	0	0	0	0	1	1	2	0	2	0	0	0	0	2	1	15	0	0	0	0	0	0	0	0	0	0	16		
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4		
6:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	3		
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	5		
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	0	0	0	1	0	0	0	0	0	0	4		
Total	0	0	0	0	0	0	0	0	0	0	1	1	2	2	13	0	0	1	1	1	1	1	1	1	1	1	17		
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2		
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5		
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7		
Grand Total	0	0	0	0	2	2	4	0	2	0	0	1	1	4	3	41	0	0	1	1	1	1	1	1	1	1	16		
Approach %	0.0	0.0	0.0	0.0	50.0	50.0		0.0	50.0	0.0	0.0	25.0	25.0		6.5	89.1	0.0	0.0	2.2	2.2		0.0	78.6	21.4	0.0	0.0			
Total %	0.0	0.0	0.0	0.0	2.4	2.4	4.9	0.0	2.4	0.0	0.0	1.2	1.2	4.9	3.7	50.0	0.0	0.0	1.2	1.2	56.1	0.0	26.8	7.3	0.0	0.0			
Exiting Leg Total	51							27							2							2							82

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	River Street							Franklin Street							River Street							Franklin Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:45 PM	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	5	0	0	0	0	0	0	0	0	0	0	4		
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4		
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	3	0	0	0	0	0	0	0	0	0	0	3		
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4		
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	5		
Total Volume	0	0	0	0	0	1	1	0	1	0	0	1	0	2	1	16	0	0	1	0	0	18	0	15	3	0	0		
% Approach Total	0.0	0.0	0.0	0.0	0.0	100.0		0.0	50.0	0.0	0.0	50.0	0.0		5.6	88.9	0.0	0.0	5.6	0.0		0.0	83.3	16.7	0.0	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.250	0.000	0.000	0.250	0.000	0.500	0.250	0.800	0.000	0.000	0.250	0.000	0.900	0.000	0.536	0.750	0.000	0.000			
Entering Leg	0	0	0	0	0	1	1	0	1	0	0	1	0	2	1	16	0	0	1	0	0	18	0	15	3	0	0		
Exiting Leg	20							17							1							1							39
Total	21							19							19							19							78

PDI File #: 186591-24  
 Location: N: River Street S: River Street  
 Location: E: Franklin Street W: Franklin Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	River Street								Franklin Street								River Street								Franklin Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	0	0	0	3	5	8		0	0	0	0	12	18	30		0	0	0	0	2	6	8		0	0	0	0	2	3	5		51
4:45 PM	0	0	0	0	6	2	8		0	0	0	0	25	18	43		0	0	0	0	7	6	13		0	0	0	0	2	1	3		67
Total	0	0	0	0	9	7	16		0	0	0	0	37	36	73		0	0	0	0	9	12	21		0	0	0	0	4	4	8		118
5:00 PM	0	0	0	0	1	2	3		0	0	0	0	24	13	37		0	0	0	0	4	4	8		0	0	0	0	2	2	4		52
5:15 PM	0	0	0	0	6	4	10		0	0	0	0	39	17	56		0	0	0	0	2	5	7		0	0	0	0	1	2	3		76
5:30 PM	0	0	0	0	9	6	15		0	0	0	0	43	26	69		0	0	0	0	5	6	11		0	0	0	0	3	2	5		100
5:45 PM	0	0	0	0	3	1	4		0	0	0	0	27	28	55		0	0	0	0	17	10	27		0	0	0	0	0	2	2		88
Total	0	0	0	0	19	13	32		0	0	0	0	133	84	217		0	0	0	0	28	25	53		0	0	0	0	6	8	14		316
6:00 PM	0	0	0	0	5	5	10		0	0	0	0	44	25	69		0	0	0	0	7	8	15		0	0	0	0	1	3	4		98
6:15 PM	0	0	0	0	4	2	6		0	0	0	0	38	23	61		0	0	0	0	4	6	10		0	0	0	0	1	2	3		80
6:30 PM	0	0	0	0	4	7	11		0	0	0	0	19	18	37		0	0	0	0	6	7	13		0	0	0	0	3	2	5		66
6:45 PM	0	0	0	0	3	7	10		0	0	0	0	18	12	30		0	0	0	0	5	2	7		0	0	0	0	2	5	7		54
Total	0	0	0	0	16	21	37		0	0	0	0	119	78	197		0	0	0	0	22	23	45		0	0	0	0	7	12	19		298
7:00 PM	0	0	0	0	7	5	12		0	0	0	0	38	13	51		0	0	0	0	8	3	11		0	0	0	0	7	3	10		84
7:15 PM	0	0	0	0	3	7	10		0	0	0	0	27	17	44		0	0	0	0	8	5	13		0	0	0	0	0	6	6		73
Total	0	0	0	0	10	12	22		0	0	0	0	65	30	95		0	0	0	0	16	8	24		0	0	0	0	7	9	16		157
Grand Total	0	0	0	0	54	53	107		0	0	0	0	354	228	582		0	0	0	0	75	68	143		0	0	0	0	24	33	57		889
Approach %	0	0	0	0	50.5	49.5		0	0	0	0	60.8	39.2		0	0	0	0	52.4	47.6		0	0	0	0	42.1	57.9						
Total %	0	0	0	0	6.07	5.96	12		0	0	0	0	39.8	25.6	65.5		0	0	0	0	8.44	7.65	16.1		0	0	0	0	2.7	3.71	6.41		
Exiting Leg Total	107								582								143								57	889							

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	River Street								Franklin Street								River Street								Franklin Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:30 PM	0	0	0	0	9	6	15		0	0	0	0	43	26	69		0	0	0	0	5	6	11		0	0	0	0	3	2	5		100
5:45 PM	0	0	0	0	3	1	4		0	0	0	0	27	28	55		0	0	0	0	17	10	27		0	0	0	0	0	2	2		88
6:00 PM	0	0	0	0	5	5	10		0	0	0	0	44	25	69		0	0	0	0	7	8	15		0	0	0	0	1	3	4		98
6:15 PM	0	0	0	0	4	2	6		0	0	0	0	38	23	61		0	0	0	0	4	6	10		0	0	0	0	1	2	3		80
Total Volume	0	0	0	0	21	14	35		0	0	0	0	152	102	254		0	0	0	0	33	30	63		0	0	0	0	5	9	14		366
% Approach Total	0.0	0.0	0.0	0.0	60.0	40.0		0.0	0.0	0.0	0.0	59.8	40.2		0.0	0.0	0.0	0.0	52.4	47.6		0.0	0.0	0.0	0.0	35.7	64.3						
PHF	0.000	0.000	0.000	0.000	0.583	0.583	0.583		0.000	0.000	0.000	0.000	0.864	0.911	0.920		0.000	0.000	0.000	0.000	0.485	0.750	0.583		0.000	0.000	0.000	0.000	0.417	0.750	0.700		0.915
Entering Leg	0	0	0	0	21	14	35		0	0	0	0	152	102	254		0	0	0	0	33	30	63		0	0	0	0	5	9	14		366
Exiting Leg	35								254								63								14	366							
Total	70								508								126								28	732							

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	3	0	1	4	0	0	0	0	0	2	11	0	0	13	13	27	2	0	42	59
7:15 AM	0	3	0	0	3	0	0	0	0	0	4	9	0	0	13	21	25	4	0	50	66
7:30 AM	0	4	1	0	5	0	0	0	0	0	1	16	0	0	17	21	36	1	0	58	80
7:45 AM	0	9	3	0	12	0	0	0	0	0	2	27	0	0	29	24	50	3	0	77	118
<b>Total</b>	0	19	4	1	24	0	0	0	0	0	9	63	0	0	72	79	138	10	0	227	323
8:00 AM	0	8	2	0	10	0	0	0	0	0	8	16	0	0	24	25	47	3	0	75	109
8:15 AM	0	6	3	0	9	0	0	0	0	0	10	19	0	0	29	36	54	5	0	95	133
8:30 AM	0	6	4	0	10	0	0	0	0	0	4	12	0	0	16	40	52	3	0	95	121
8:45 AM	0	5	4	0	9	0	0	0	0	0	9	15	0	0	24	37	68	2	0	107	140
<b>Total</b>	0	25	13	0	38	0	0	0	0	0	31	62	0	0	93	138	221	13	0	372	503
9:00 AM	0	1	1	0	2	0	0	0	0	0	4	21	0	0	25	26	62	4	0	92	119
9:15 AM	0	1	2	0	3	0	0	0	0	0	3	17	0	0	20	17	49	2	0	68	91
9:30 AM	0	4	1	1	6	0	0	0	0	0	11	13	0	0	24	20	47	6	0	73	103
9:45 AM	0	3	0	0	3	0	0	0	0	0	3	12	0	0	15	20	48	3	0	71	89
<b>Total</b>	0	9	4	1	14	0	0	0	0	0	21	63	0	0	84	83	206	15	0	304	402
Grand Total	0	53	21	2	76	0	0	0	0	0	61	188	0	0	249	300	565	38	0	903	1228
Approach %	0.0	69.7	27.6	2.6		0.0	0.0	0.0	0.0		24.5	75.5	0.0	0.0		33.2	62.6	4.2	0.0		
Total %	0.0	4.3	1.7	0.2	6.2	0.0	0.0	0.0	0.0	0.0	5.0	15.3	0.0	0.0	20.3	24.4	46.0	3.1	0.0	73.5	
Exiting Leg Total	228					647					353					0					1228
Cars	0	33	18	1	52	0	0	0	0	0	60	168	0	0	228	286	553	16	0	855	1135
% Cars	0.0	62.3	85.7	50.0	68.4	0.0	0.0	0.0	0.0	0.0	98.4	89.4	0.0	0.0	91.6	95.3	97.9	42.1	0.0	94.7	92.4
Exiting Leg Total	185					631					319					0					1135
Heavy Vehicles	0	20	3	1	24	0	0	0	0	0	1	20	0	0	21	14	12	22	0	48	93
% Heavy Vehicles	0.0	37.7	14.3	50.0	31.6	0.0	0.0	0.0	0.0	0.0	1.6	10.6	0.0	0.0	8.4	4.7	2.1	57.9	0.0	5.3	7.6
Exiting Leg Total	43					16					34					0					93

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

8:15 AM	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:15 AM	0	6	3	0	9	0	0	0	0	0	10	19	0	0	29	36	54	5	0	95	133
8:30 AM	0	6	4	0	10	0	0	0	0	0	4	12	0	0	16	40	52	3	0	95	121
8:45 AM	0	5	4	0	9	0	0	0	0	0	9	15	0	0	24	37	68	2	0	107	140
9:00 AM	0	1	1	0	2	0	0	0	0	0	4	21	0	0	25	26	62	4	0	92	119
Total Volume	0	18	12	0	30	0	0	0	0	0	27	67	0	0	94	139	236	14	0	389	513
% Approach Total	0.0	60.0	40.0	0.0		0.0	0.0	0.0	0.0	0.0	28.7	71.3	0.0	0.0		35.7	60.7	3.6	0.0		
PHF	0.000	0.750	0.750	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.675	0.798	0.000	0.000	0.810	0.869	0.868	0.700	0.000	0.909	0.916
Cars	0	11	11	0	22	0	0	0	0	0	27	60	0	0	87	131	232	6	0	369	478
Cars %	0.0	61.1	91.7	0.0	73.3	0.0	0.0	0.0	0.0	0.0	100.0	89.6	0.0	0.0	92.6	94.2	98.3	42.9	0.0	94.9	93.2
Heavy Vehicles	0	7	1	0	8	0	0	0	0	0	0	7	0	0	7	8	4	8	0	20	35
Heavy Vehicles %	0.0	38.9	8.3	0.0	26.7	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	7.4	5.8	1.7	57.1	0.0	5.1	6.8
Cars Enter Leg	0	11	11	0	22	0	0	0	0	0	27	60	0	0	87	131	232	6	0	369	478
Heavy Enter Leg	0	7	1	0	8	0	0	0	0	0	0	7	0	0	7	8	4	8	0	20	35
Total Entering Leg	0	18	12	0	30	0	0	0	0	0	27	67	0	0	94	139	236	14	0	389	513
Cars Exiting Leg	66					270					142					0					478
Heavy Exiting Leg	15					5					15					0					35
Total Exiting Leg	81					275					157					0					513



PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	2	0	0	2	0	0	0	0	0	2	9	0	0	11	10	27	0	0	37	50
7:15 AM	0	2	0	0	2	0	0	0	0	0	4	7	0	0	11	21	25	3	0	49	62
7:30 AM	0	3	1	0	4	0	0	0	0	0	1	14	0	0	15	20	34	0	0	54	73
7:45 AM	0	6	2	0	8	0	0	0	0	0	2	26	0	0	28	23	49	0	0	72	108
Total	0	13	3	0	16	0	0	0	0	0	9	56	0	0	65	74	135	3	0	212	293
8:00 AM	0	3	2	0	5	0	0	0	0	0	8	14	0	0	22	24	45	1	0	70	97
8:15 AM	0	5	2	0	7	0	0	0	0	0	10	18	0	0	28	34	53	2	0	89	124
8:30 AM	0	3	4	0	7	0	0	0	0	0	4	10	0	0	14	39	50	3	0	92	113
8:45 AM	0	3	4	0	7	0	0	0	0	0	9	14	0	0	23	33	67	1	0	101	131
Total	0	14	12	0	26	0	0	0	0	0	31	56	0	0	87	130	215	7	0	352	465
9:00 AM	0	0	1	0	1	0	0	0	0	0	4	18	0	0	22	25	62	0	0	87	110
9:15 AM	0	1	1	0	2	0	0	0	0	0	3	16	0	0	19	17	48	0	0	65	86
9:30 AM	0	3	1	1	5	0	0	0	0	0	11	10	0	0	21	20	46	3	0	69	95
9:45 AM	0	2	0	0	2	0	0	0	0	0	2	12	0	0	14	20	47	3	0	70	86
Total	0	6	3	1	10	0	0	0	0	0	20	56	0	0	76	82	203	6	0	291	377
Grand Total	0	33	18	1	52	0	0	0	0	0	60	168	0	0	228	286	553	16	0	855	1135
Approach %	0.0	63.5	34.6	1.9		0.0	0.0	0.0	0.0		26.3	73.7	0.0	0.0		33.5	64.7	1.9	0.0		
Total %	0.0	2.9	1.6	0.1	4.6	0.0	0.0	0.0	0.0	0.0	5.3	14.8	0.0	0.0	20.1	25.2	48.7	1.4	0.0	75.3	
Exiting Leg Total	185					631					319					0					1135

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:15 AM	0	5	2	0	7	0	0	0	0	0	10	18	0	0	28	34	53	2	0	89	124
8:30 AM	0	3	4	0	7	0	0	0	0	0	4	10	0	0	14	39	50	3	0	92	113
8:45 AM	0	3	4	0	7	0	0	0	0	0	9	14	0	0	23	33	67	1	0	101	131
9:00 AM	0	0	1	0	1	0	0	0	0	0	4	18	0	0	22	25	62	0	0	87	110
Total Volume	0	11	11	0	22	0	0	0	0	0	27	60	0	0	87	131	232	6	0	369	478
% Approach Total	0.0	50.0	50.0	0.0		0.0	0.0	0.0	0.0		31.0	69.0	0.0	0.0		35.5	62.9	1.6	0.0		
PHF	0.000	0.550	0.688	0.000	0.786	0.000	0.000	0.000	0.000	0.000	0.675	0.833	0.000	0.000	0.777	0.840	0.866	0.500	0.000	0.913	0.912
Entering Leg	0	11	11	0	22	0	0	0	0	0	27	60	0	0	87	131	232	6	0	369	478
Exiting Leg	66					270					142					0					478
Total	88					270					229					369					956

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	1	0	1	2	0	0	0	0	0	0	2	0	0	2	3	0	2	0	5	9
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	4
7:30 AM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	1	2	1	0	4	7
7:45 AM	0	3	1	0	4	0	0	0	0	0	0	1	0	0	1	1	1	3	0	5	10
Total	0	6	1	1	8	0	0	0	0	0	0	7	0	0	7	5	3	7	0	15	30
8:00 AM	0	5	0	0	5	0	0	0	0	0	0	2	0	0	2	1	2	2	0	5	12
8:15 AM	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	2	1	3	0	6	9
8:30 AM	0	3	0	0	3	0	0	0	0	0	0	2	0	0	2	1	2	0	0	3	8
8:45 AM	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	4	1	1	0	6	9
Total	0	11	1	0	12	0	0	0	0	0	0	6	0	0	6	8	6	6	0	20	38
9:00 AM	0	1	0	0	1	0	0	0	0	0	0	3	0	0	3	1	0	4	0	5	9
9:15 AM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	1	2	0	3	5
9:30 AM	0	1	0	0	1	0	0	0	0	0	0	3	0	0	3	0	1	3	0	4	8
9:45 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	1	0	0	1	3
Total	0	3	1	0	4	0	0	0	0	0	1	7	0	0	8	1	3	9	0	13	25
Grand Total	0	20	3	1	24	0	0	0	0	0	1	20	0	0	21	14	12	22	0	48	93
Approach %	0.0	83.3	12.5	4.2		0.0	0.0	0.0	0.0		4.8	95.2	0.0	0.0		29.2	25.0	45.8	0.0		
Total %	0.0	21.5	3.2	1.1	25.8	0.0	0.0	0.0	0.0	0.0	1.1	21.5	0.0	0.0	22.6	15.1	12.9	23.7	0.0	51.6	
Exiting Leg Total	43					16					34					0					93
Buses	0	19	2	0	21	0	0	0	0	0	0	14	0	0	14	6	2	19	0	27	62
% Buses	0.0	95.0	66.7	0.0	87.5	0.0	0.0	0.0	0.0	0.0	0.0	70.0	0.0	0.0	66.7	42.9	16.7	86.4	0.0	56.3	66.7
Exiting Leg Total	33					4					25					0					62
Single-Unit Trucks	0	1	1	1	3	0	0	0	0	0	1	6	0	0	7	7	8	3	0	18	28
% Single-Unit	0.0	5.0	33.3	100.0	12.5	0.0	0.0	0.0	0.0	0.0	100.0	30.0	0.0	0.0	33.3	50.0	66.7	13.6	0.0	37.5	30.1
Exiting Leg Total	10					10					8					0					28
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	3
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	16.7	0.0	0.0	6.3	3.2
Exiting Leg Total	0					2					1					0					3

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:45 AM	0	3	1	0	4	0	0	0	0	0	0	1	0	0	1	1	1	3	0	5	10
8:00 AM	0	5	0	0	5	0	0	0	0	0	0	2	0	0	2	1	2	2	0	5	12
8:15 AM	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	2	1	3	0	6	9
8:30 AM	0	3	0	0	3	0	0	0	0	0	0	2	0	0	2	1	2	0	0	3	8
Total Volume	0	12	2	0	14	0	0	0	0	0	0	6	0	0	6	5	6	8	0	19	39
% Approach Total	0.0	85.7	14.3	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		26.3	31.6	42.1	0.0		
PHF	0.000	0.600	0.500	0.000	0.700	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.750	0.625	0.750	0.667	0.000	0.792	0.813
Buses	0	12	1	0	13	0	0	0	0	0	0	5	0	0	5	4	1	7	0	12	30
Buses %	0.0	100.0	50.0	0.0	92.9	0.0	0.0	0.0	0.0	0.0	0.0	83.3	0.0	0.0	83.3	80.0	16.7	87.5	0.0	63.2	76.9
Single-Unit Trucks	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	1	4	1	0	6	8
Single-Unit %	0.0	0.0	50.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	16.7	20.0	66.7	12.5	0.0	31.6	20.5
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	5.3	2.6
Buses	0	12	1	0	13	0	0	0	0	0	0	5	0	0	5	4	1	7	0	12	30
Single-Unit Trucks	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	1	4	1	0	6	8
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Entering Leg	0	12	2	0	14	0	0	0	0	0	0	6	0	0	6	5	6	8	0	19	39
Buses	12					2					16					0					30
Single-Unit Trucks	2					5					1					0					8
Articulated Trucks	0					1					0					0					1
Total Exiting Leg	14					8					17					0					39

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	2	0	0	2	0	0	0	0	0	2	9	0	0	11	10	27	0	0	37	50
7:15 AM	0	2	0	0	2	0	0	0	0	0	4	7	0	0	11	19	20	3	0	42	55
7:30 AM	0	3	1	0	4	0	0	0	0	0	1	11	0	0	12	17	32	0	0	49	65
7:45 AM	0	6	1	0	7	0	0	0	0	0	1	24	0	0	25	22	47	0	0	69	101
<b>Total</b>	0	13	2	0	15	0	0	0	0	0	8	51	0	0	59	68	126	3	0	197	271
8:00 AM	0	3	2	0	5	0	0	0	0	0	7	13	0	0	20	23	42	0	0	65	90
8:15 AM	0	5	1	0	6	0	0	0	0	0	7	17	0	0	24	33	52	2	0	87	117
8:30 AM	0	3	3	0	6	0	0	0	0	0	3	10	0	0	13	36	47	3	0	86	105
8:45 AM	0	3	4	0	7	0	0	0	0	0	9	12	0	0	21	29	62	0	0	91	119
<b>Total</b>	0	14	10	0	24	0	0	0	0	0	26	52	0	0	78	121	203	5	0	329	431
9:00 AM	0	0	1	0	1	0	0	0	0	0	4	15	0	0	19	24	60	0	0	84	104
9:15 AM	0	1	1	0	2	0	0	0	0	0	3	16	0	0	19	15	45	0	0	60	81
9:30 AM	0	3	0	1	4	0	0	0	0	0	10	9	0	0	19	19	45	2	0	66	89
9:45 AM	0	2	0	0	2	0	0	0	0	0	2	12	0	0	14	17	44	3	0	64	80
<b>Total</b>	0	6	2	1	9	0	0	0	0	0	19	52	0	0	71	75	194	5	0	274	354
Grand Total	0	33	14	1	48	0	0	0	0	0	53	155	0	0	208	264	523	13	0	800	1056
Approach %	0.0	68.8	29.2	2.1		0.0	0.0	0.0	0.0		25.5	74.5	0.0	0.0		33.0	65.4	1.6	0.0		
Total %	0.0	3.1	1.3	0.1	4.5	0.0	0.0	0.0	0.0	0.0	5.0	14.7	0.0	0.0	19.7	25.0	49.5	1.2	0.0	75.8	
Exiting Leg Total	169					590					297					0					1056

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:15 AM	0	5	1	0	6	0	0	0	0	0	7	17	0	0	24	33	52	2	0	87	117
8:30 AM	0	3	3	0	6	0	0	0	0	0	3	10	0	0	13	36	47	3	0	86	105
8:45 AM	0	3	4	0	7	0	0	0	0	0	9	12	0	0	21	29	62	0	0	91	119
9:00 AM	0	0	1	0	1	0	0	0	0	0	4	15	0	0	19	24	60	0	0	84	104
Total Volume	0	11	9	0	20	0	0	0	0	0	23	54	0	0	77	122	221	5	0	348	445
% Approach Total	0.0	55.0	45.0	0.0		0.0	0.0	0.0	0.0		29.9	70.1	0.0	0.0		35.1	63.5	1.4	0.0		
PHF	0.000	0.550	0.563	0.000	0.714	0.000	0.000	0.000	0.000	0.000	0.639	0.794	0.000	0.000	0.802	0.847	0.891	0.417	0.000	0.956	0.935
Entering Leg	0	11	9	0	20	0	0	0	0	0	23	54	0	0	77	122	221	5	0	348	445
Exiting Leg	59					253					133					0					445
Total	79					253					210					348					890

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Light Goods Vehicle**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0	0	7	7
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3	2	0	0	5	8
7:45 AM	0	0	1	0	1	0	0	0	0	0	1	2	0	0	3	1	2	0	0	3	7
Total	0	0	1	0	1	0	0	0	0	0	1	5	0	0	6	6	9	0	0	15	22
8:00 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	1	3	1	0	5	7
8:15 AM	0	0	1	0	1	0	0	0	0	0	3	0	0	0	3	1	1	0	0	2	6
8:30 AM	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	3	3	0	0	6	8
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3	4	1	0	8	10
Total	0	0	2	0	2	0	0	0	0	0	5	3	0	0	8	8	11	2	0	21	31
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	1	2	0	0	3	6
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	5	5
9:30 AM	0	0	1	0	1	0	0	0	0	0	1	1	0	0	2	1	1	1	0	3	6
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	6	6
Total	0	0	1	0	1	0	0	0	0	0	1	4	0	0	5	7	9	1	0	17	23
Grand Total	0	0	4	0	4	0	0	0	0	0	7	12	0	0	19	21	29	3	0	53	76
Approach %	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		36.8	63.2	0.0	0.0		39.6	54.7	5.7	0.0		
Total %	0.0	0.0	5.3	0.0	5.3	0.0	0.0	0.0	0.0	0.0	9.2	15.8	0.0	0.0	25.0	27.6	38.2	3.9	0.0	69.7	
Exiting Leg Total	15					40					21					0					76

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:00 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	1	3	1	0	5	7
8:15 AM	0	0	1	0	1	0	0	0	0	0	3	0	0	0	3	1	1	0	0	2	6
8:30 AM	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	3	3	0	0	6	8
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3	4	1	0	8	10
Total Volume	0	0	2	0	2	0	0	0	0	0	5	3	0	0	8	8	11	2	0	21	31
% Approach Total	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		62.5	37.5	0.0	0.0		38.1	52.4	9.5	0.0		
PHF	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.417	0.375	0.000	0.000	0.667	0.667	0.688	0.500	0.000	0.656	0.775
Entering Leg	0	0	2	0	2	0	0	0	0	0	5	3	0	0	8	8	11	2	0	21	31
Exiting Leg	5					18					8					0					31
Total	7					18					16					21					62

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
7:00 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	1	0	1	0	2	4	
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	4	
7:30 AM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	4	
7:45 AM	0	3	1	0	4	0	0	0	0	0	0	1	0	0	1	0	0	2	0	2	7	
<b>Total</b>	0	6	1	0	7	0	0	0	0	0	0	6	0	0	6	1	0	5	0	6	19	
8:00 AM	0	5	0	0	5	0	0	0	0	0	0	1	0	0	1	1	0	2	0	3	9	
8:15 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2	0	3	0	5	7	
8:30 AM	0	3	0	0	3	0	0	0	0	0	0	2	0	0	2	1	1	0	0	2	7	
8:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	3	
<b>Total</b>	0	10	0	0	10	0	0	0	0	0	0	4	0	0	4	5	1	6	0	12	26	
9:00 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	3	0	3	5	
9:15 AM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	2	0	2	4	
9:30 AM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	3	0	3	6	
9:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	
<b>Total</b>	0	3	1	0	4	0	0	0	0	0	0	4	0	0	4	0	1	8	0	9	17	
<b>Grand Total</b>	0	19	2	0	21	0	0	0	0	0	0	14	0	0	14	6	2	19	0	27	62	
Approach %	0.0	90.5	9.5	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		22.2	7.4	70.4	0.0			
Total %	0.0	30.6	3.2	0.0	33.9	0.0	0.0	0.0	0.0	0.0	0.0	22.6	0.0	0.0	22.6	9.7	3.2	30.6	0.0	43.5		
Exiting Leg Total						33					4					25					0	62

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
7:45 AM	0	3	1	0	4	0	0	0	0	0	0	1	0	0	1	0	0	2	0	2	7	
8:00 AM	0	5	0	0	5	0	0	0	0	0	0	1	0	0	1	1	0	2	0	3	9	
8:15 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2	0	3	0	5	7	
8:30 AM	0	3	0	0	3	0	0	0	0	0	0	2	0	0	2	1	1	0	0	2	7	
<b>Total Volume</b>	0	12	1	0	13	0	0	0	0	0	0	5	0	0	5	4	1	7	0	12	30	
<b>% Approach Total</b>	0.0	92.3	7.7	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		33.3	8.3	58.3	0.0			
PHF	0.000	0.600	0.250	0.000	0.650	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.625	0.500	0.250	0.583	0.000	0.600	0.833	
Entering Leg	0	12	1	0	13	0	0	0	0	0	0	5	0	0	5	4	1	7	0	12	30	
Exiting Leg						12					2					16					0	30
<b>Total</b>						25					2					21					12	60

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	2	0	1	0	3	5
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	2
Total	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	3	1	2	0	6	8
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	2	3
8:15 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
8:45 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	3	1	0	0	4	6
Total	0	1	1	0	2	0	0	0	0	0	0	2	0	0	2	3	5	0	0	8	12
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	0	1	0	2	4
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
9:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	1	2	1	0	4	8
Grand Total	0	1	1	1	3	0	0	0	0	0	1	6	0	0	7	7	8	3	0	18	28
Approach %	0.0	33.3	33.3	33.3		0.0	0.0	0.0	0.0		14.3	85.7	0.0	0.0		38.9	44.4	16.7	0.0		
Total %	0.0	3.6	3.6	3.6	10.7	0.0	0.0	0.0	0.0	0.0	3.6	21.4	0.0	0.0	25.0	25.0	28.6	10.7	0.0	64.3	
Exiting Leg Total	10					10					8					0					28

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

8:15 AM	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:15 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
8:45 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	3	1	0	0	4	6
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	0	1	0	2	4
Total Volume	0	1	1	0	2	0	0	0	0	0	0	3	0	0	3	4	3	1	0	8	13
% Approach Total	0.0	50.0	50.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		50.0	37.5	12.5	0.0		
PHF	0.000	0.250	0.250	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.000	0.000	0.375	0.333	0.750	0.250	0.000	0.500	0.542
Entering Leg	0	1	1	0	2	0	0	0	0	0	0	3	0	0	3	4	3	1	0	8	13
Exiting Leg	4					4					5					0					13
Total	6					4					8					8					26

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	3
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	3
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		33.3	66.7	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	66.7	0.0	0.0	100.0	
Exiting Leg Total	0					2					1					0					3

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	3
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		33.3	66.7	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.500	0.000	0.000	0.375	0.375
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	3
Exiting Leg	0					2					1					0					3
Total	0					2					1					3					6

PDI File #: 186591-25  
 Location: N: Magazine Street S: Magazine Street  
 Location: E: Franklin Street W: Franklin Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Magazine Street							Franklin Street							Magazine Street							Franklin Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3		
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	6	
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	4	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	6	7	
Total	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	13	20	
8:00 AM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	4	5	
8:15 AM	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	7	0	0	0	10	13	
8:30 AM	0	2	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	7	5	3	0	0	0	0	8	18	
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	4	0	0	0	0	9	12	
Total	0	3	1	0	1	0	5	0	0	0	0	0	0	0	0	0	0	0	0	12	2	10	0	0	0	0	12	48	
9:00 AM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	5	1	4	0	0	0	0	4	12	
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	4	2	0	0	0	6	11	
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	2	1	0	0	0	5	10	
9:45 AM	0	1	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	5	0	5	0	0	0	0	7	14	
Total	0	4	0	0	0	0	4	0	0	1	0	0	0	1	5	13	1	0	1	0	20	15	7	0	0	0	22	47	
Grand Total	0	8	1	0	1	0	10	0	0	1	0	0	0	1	7	29	1	0	1	0	38	35	31	0	0	0	0	66	115
Approach %	0.0	80.0	10.0	0.0	10.0	0.0		0.0	0.0	100.0	0.0	0.0	0.0		18.4	76.3	2.6	0.0	2.6	0.0		53.0	47.0	0.0	0.0	0.0	0.0		
Total %	0.0	7.0	0.9	0.0	0.9	0.0	8.7	0.0	0.0	0.9	0.0	0.0	0.0	0.9	6.1	25.2	0.9	0.0	0.9	0.0	33.0	30.4	27.0	0.0	0.0	0.0	0.0	57.4	
Exiting Leg Total	30							39							45							1							115

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street							Franklin Street							Magazine Street							Franklin Street							Total							
	from North							from East							from South							from West														
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total								
8:15 AM	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	3	7	0	0	0	0	0	10	13
8:30 AM	0	2	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	7	5	3	0	0	0	0	0	8	5	3	0	0	0	0	8	18
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	4	0	0	0	0	0	9	5	4	0	0	0	0	9	12
9:00 AM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	5	1	4	0	0	0	0	0	4	2	2	0	0	0	0	4	12
Total Volume	0	5	1	0	1	0	7	0	0	0	0	0	0	0	3	14	0	0	0	0	17	15	16	0	0	0	0	31	15	16	0	0	0	0	31	55
% Approach Total	0.0	71.4	14.3	0.0	14.3	0.0		0.0	0.0	0.0	0.0	0.0	0.0		17.6	82.4	0.0	0.0	0.0	0.0		48.4	51.6	0.0	0.0	0.0	0.0									
PHF	0.000	0.417	0.250	0.000	0.250	0.000	0.583	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.700	0.000	0.000	0.000	0.000	0.607	0.750	0.571	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.775	0.764				
Entering Leg	0	5	1	0	1	0	7	0	0	0	0	0	0	0	3	14	0	0	0	0	17	15	16	0	0	0	31	0	0	0	0	0	0	31	55	
Exiting Leg	15							20							37							0							55							
Total	22							20							37							31							110							



PDI File #: 186591-25  
 Location: N: Magazine Street S: Magazine Street  
 Location: E: Franklin Street W: Franklin Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Magazine Street							Franklin Street							Magazine Street							Franklin Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	2	1	3	0	0	0	0	11	12	23	0	0	0	0	4	2	6	0	0	0	0	2	1	3	35
7:15 AM	0	0	0	0	4	0	4	0	0	0	0	8	22	30	0	0	0	0	1	1	2	0	0	0	0	6	2	8	44
7:30 AM	0	0	0	0	2	1	3	0	0	0	0	9	28	37	0	0	0	0	4	6	10	0	0	0	0	13	1	14	64
7:45 AM	0	0	0	0	4	0	4	0	0	0	0	12	28	40	0	0	0	0	6	9	15	0	0	0	0	11	1	12	71
Total	0	0	0	0	12	2	14	0	0	0	0	40	90	130	0	0	0	0	15	18	33	0	0	0	0	32	5	37	214
8:00 AM	0	0	0	0	1	4	5	0	0	0	0	10	43	53	0	0	0	0	2	6	8	0	0	0	0	13	2	15	81
8:15 AM	0	0	0	0	3	2	5	0	0	0	0	16	41	57	0	0	0	0	3	6	9	0	0	0	0	9	1	10	81
8:30 AM	0	0	0	0	1	4	5	0	0	0	0	10	52	62	0	0	0	0	1	12	13	0	0	0	0	15	9	24	104
8:45 AM	0	0	0	0	3	3	6	0	0	0	0	15	35	50	0	0	0	0	8	9	17	0	0	0	0	12	4	16	89
Total	0	0	0	0	8	13	21	0	0	0	0	51	171	222	0	0	0	0	14	33	47	0	0	0	0	49	16	65	355
9:00 AM	0	0	0	0	6	0	6	0	0	0	0	12	27	39	0	0	0	0	6	9	15	0	0	0	0	16	0	16	76
9:15 AM	0	0	0	0	4	2	6	0	0	0	0	9	21	30	0	0	0	0	4	7	11	0	0	0	0	13	3	16	63
9:30 AM	0	0	0	0	6	4	10	0	0	0	0	11	20	31	0	0	0	0	0	4	4	0	0	0	0	5	3	8	53
9:45 AM	0	0	0	0	4	3	7	0	0	0	0	10	23	33	0	0	0	0	0	3	3	0	0	0	0	2	4	6	49
Total	0	0	0	0	20	9	29	0	0	0	0	42	91	133	0	0	0	0	10	23	33	0	0	0	0	36	10	46	241
Grand Total	0	0	0	0	40	24	64	0	0	0	0	133	352	485	0	0	0	0	39	74	113	0	0	0	0	117	31	148	810
Approach %	0	0	0	0	62.5	37.5		0	0	0	0	27.4	72.6		0	0	0	0	34.5	65.5		0	0	0	0	79.1	20.9		
Total %	0	0	0	0	4.94	2.96	7.9	0	0	0	0	16.4	43.5	59.9	0	0	0	0	4.81	9.14	14	0	0	0	0	14.4	3.83	18.3	
Exiting Leg Total	64							485							113							148							810

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Magazine Street							Franklin Street							Magazine Street							Franklin Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:00 AM	0	0	0	0	1	4	5	0	0	0	0	10	43	53	0	0	0	0	2	6	8	0	0	0	0	13	2	15	81
8:15 AM	0	0	0	0	3	2	5	0	0	0	0	16	41	57	0	0	0	0	3	6	9	0	0	0	0	9	1	10	81
8:30 AM	0	0	0	0	1	4	5	0	0	0	0	10	52	62	0	0	0	0	1	12	13	0	0	0	0	15	9	24	104
8:45 AM	0	0	0	0	3	3	6	0	0	0	0	15	35	50	0	0	0	0	8	9	17	0	0	0	0	12	4	16	89
Total Volume	0	0	0	0	8	13	21	0	0	0	0	51	171	222	0	0	0	0	14	33	47	0	0	0	0	49	16	65	355
% Approach Total	0.0	0.0	0.0	0.0	38.1	61.9		0.0	0.0	0.0	0.0	23.0	77.0		0.0	0.0	0.0	0.0	29.8	70.2		0.0	0.0	0.0	0.0	75.4	24.6		
PHF	0.000	0.000	0.000	0.000	0.667	0.813	0.875	0.000	0.000	0.000	0.000	0.797	0.822	0.895	0.000	0.000	0.000	0.000	0.438	0.688	0.691	0.000	0.000	0.000	0.000	0.817	0.444	0.677	0.853
Entering Leg	0	0	0	0	8	13	21	0	0	0	0	51	171	222	0	0	0	0	14	33	47	0	0	0	0	49	16	65	355
Exiting Leg	21							222							47							65							355
Total	42							444							94							130							710

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	4	3	0	7	0	0	0	0	0	4	23	0	0	27	18	26	5	0	49	83
4:45 PM	0	5	0	1	6	0	0	0	0	0	4	18	0	0	22	13	21	4	0	38	66
<b>Total</b>	0	9	3	1	13	0	0	0	0	0	8	41	0	0	49	31	47	9	0	87	149
5:00 PM	0	3	2	0	5	0	0	0	0	0	6	24	0	0	30	16	26	3	0	45	80
5:15 PM	0	4	1	1	6	0	0	0	0	0	7	20	0	0	27	23	32	1	0	56	89
5:30 PM	0	5	3	0	8	0	0	0	0	0	8	26	0	0	34	18	26	1	0	45	87
5:45 PM	0	7	0	0	7	0	0	0	0	0	15	24	0	0	39	15	29	3	0	47	93
<b>Total</b>	0	19	6	1	26	0	0	0	0	0	36	94	0	0	130	72	113	8	0	193	349
6:00 PM	0	4	0	0	4	0	0	0	0	0	7	19	0	1	27	26	32	1	0	59	90
6:15 PM	0	4	1	0	5	0	0	0	0	0	6	22	0	0	28	20	34	4	0	58	91
6:30 PM	0	3	3	0	6	0	0	0	0	0	9	15	0	0	24	21	34	4	0	59	89
6:45 PM	0	5	3	0	8	0	0	0	0	0	4	16	0	0	20	32	32	4	0	68	96
<b>Total</b>	0	16	7	0	23	0	0	0	0	0	26	72	0	1	99	99	132	13	0	244	366
7:00 PM	0	2	0	0	2	0	0	0	0	0	8	16	0	0	24	12	24	4	0	40	66
7:15 PM	0	5	1	0	6	0	0	0	0	0	5	15	0	0	20	15	23	5	0	43	69
<b>Total</b>	0	7	1	0	8	0	0	0	0	0	13	31	0	0	44	27	47	9	0	83	135
<b>Grand Total</b>	0	51	17	2	70	0	0	0	0	0	83	238	0	1	322	229	339	39	0	607	999
Approach %	0.0	72.9	24.3	2.9		0.0	0.0	0.0	0.0		25.8	73.9	0.0	0.3		37.7	55.8	6.4	0.0		
Total %	0.0	5.1	1.7	0.2	7.0	0.0	0.0	0.0	0.0	0.0	8.3	23.8	0.0	0.1	32.2	22.9	33.9	3.9	0.0	60.8	
Exiting Leg Total	279					439					281					0					999
Cars	0	40	17	2	59	0	0	0	0	0	81	228	0	1	310	228	337	27	0	592	961
% Cars	0.0	78.4	100.0	100.0	84.3	0.0	0.0	0.0	0.0	0.0	97.6	95.8	0.0	100.0	96.3	99.6	99.4	69.2	0.0	97.5	96.2
Exiting Leg Total	257					435					269					0					961
Heavy Vehicles	0	11	0	0	11	0	0	0	0	0	2	10	0	0	12	1	2	12	0	15	38
% Heavy Vehicles	0.0	21.6	0.0	0.0	15.7	0.0	0.0	0.0	0.0	0.0	2.4	4.2	0.0	0.0	3.7	0.4	0.6	30.8	0.0	2.5	3.8
Exiting Leg Total	22					4					12					0					38

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	0	4	0	0	4	0	0	0	0	0	7	19	0	1	27	26	32	1	0	59	90
6:15 PM	0	4	1	0	5	0	0	0	0	0	6	22	0	0	28	20	34	4	0	58	91
6:30 PM	0	3	3	0	6	0	0	0	0	0	9	15	0	0	24	21	34	4	0	59	89
6:45 PM	0	5	3	0	8	0	0	0	0	0	4	16	0	0	20	32	32	4	0	68	96
Total Volume	0	16	7	0	23	0	0	0	0	0	26	72	0	1	99	99	132	13	0	244	366
% Approach Total	0.0	69.6	30.4	0.0		0.0	0.0	0.0	0.0		26.3	72.7	0.0	1.0		40.6	54.1	5.3	0.0		
PHF	0.000	0.800	0.583	0.000	0.719	0.000	0.000	0.000	0.000	0.000	0.722	0.818	0.000	0.250	0.884	0.773	0.971	0.813	0.000	0.897	0.953
Cars	0	12	7	0	19	0	0	0	0	0	24	69	0	1	94	98	132	8	0	238	351
Cars %	0.0	75.0	100.0	0.0	82.6	0.0	0.0	0.0	0.0	0.0	92.3	95.8	0.0	100.0	94.9	99.0	100.0	61.5	0.0	97.5	95.9
Heavy Vehicles	0	4	0	0	4	0	0	0	0	0	2	3	0	0	5	1	0	5	0	6	15
Heavy Vehicles %	0.0	25.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	7.7	4.2	0.0	0.0	5.1	1.0	0.0	38.5	0.0	2.5	4.1
Cars Enter Leg	0	12	7	0	19	0	0	0	0	0	24	69	0	1	94	98	132	8	0	238	351
Heavy Enter Leg	0	4	0	0	4	0	0	0	0	0	2	3	0	0	5	1	0	5	0	6	15
Total Entering Leg	0	16	7	0	23	0	0	0	0	0	26	72	0	1	99	99	132	13	0	244	366
Cars Exiting Leg	77					163					111					0					351
Heavy Exiting Leg	8					2					5					0					15
Total Exiting Leg	85					165					116					0					366

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	0	3	3	0	6	0	0	0	0	0	4	21	0	0	25	18	26	4	0	48	79	
4:45 PM	0	4	0	1	5	0	0	0	0	0	4	18	0	0	22	13	21	4	0	38	65	
Total	0	7	3	1	11	0	0	0	0	0	8	39	0	0	47	31	47	8	0	86	144	
5:00 PM	0	2	2	0	4	0	0	0	0	0	6	22	0	0	28	16	25	0	0	41	73	
5:15 PM	0	3	1	1	5	0	0	0	0	0	7	19	0	0	26	23	31	1	0	55	86	
5:30 PM	0	4	3	0	7	0	0	0	0	0	8	25	0	0	33	18	26	1	0	45	85	
5:45 PM	0	6	0	0	6	0	0	0	0	0	15	24	0	0	39	15	29	1	0	45	90	
Total	0	15	6	1	22	0	0	0	0	0	36	90	0	0	126	72	111	3	0	186	334	
6:00 PM	0	3	0	0	3	0	0	0	0	0	5	18	0	1	24	26	32	1	0	59	86	
6:15 PM	0	3	1	0	4	0	0	0	0	0	6	22	0	0	28	20	34	4	0	58	90	
6:30 PM	0	3	3	0	6	0	0	0	0	0	9	14	0	0	23	21	34	1	0	56	85	
6:45 PM	0	3	3	0	6	0	0	0	0	0	4	15	0	0	19	31	32	2	0	65	90	
Total	0	12	7	0	19	0	0	0	0	0	24	69	0	1	94	98	132	8	0	238	351	
7:00 PM	0	2	0	0	2	0	0	0	0	0	8	15	0	0	23	12	24	4	0	40	65	
7:15 PM	0	4	1	0	5	0	0	0	0	0	5	15	0	0	20	15	23	4	0	42	67	
Total	0	6	1	0	7	0	0	0	0	0	13	30	0	0	43	27	47	8	0	82	132	
Grand Total	0	40	17	2	59	0	0	0	0	0	81	228	0	1	310	228	337	27	0	592	961	
Approach %	0.0	67.8	28.8	3.4		0.0	0.0	0.0	0.0		26.1	73.5	0.0	0.3		38.5	56.9	4.6	0.0			
Total %	0.0	4.2	1.8	0.2	6.1	0.0	0.0	0.0	0.0	0.0	8.4	23.7	0.0	0.1	32.3	23.7	35.1	2.8	0.0	61.6		
Exiting Leg Total						257					435					269					0	961

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
5:30 PM	0	4	3	0	7	0	0	0	0	0	8	25	0	0	33	18	26	1	0	45	85	
5:45 PM	0	6	0	0	6	0	0	0	0	0	15	24	0	0	39	15	29	1	0	45	90	
6:00 PM	0	3	0	0	3	0	0	0	0	0	5	18	0	1	24	26	32	1	0	59	86	
6:15 PM	0	3	1	0	4	0	0	0	0	0	6	22	0	0	28	20	34	4	0	58	90	
Total Volume	0	16	4	0	20	0	0	0	0	0	34	89	0	1	124	79	121	7	0	207	351	
% Approach Total	0.0	80.0	20.0	0.0		0.0	0.0	0.0	0.0		27.4	71.8	0.0	0.8		38.2	58.5	3.4	0.0			
PHF	0.000	0.667	0.333	0.000	0.714	0.000	0.000	0.000	0.000	0.000	0.567	0.890	0.000	0.250	0.795	0.760	0.890	0.438	0.000	0.877	0.975	
Entering Leg	0	16	4	0	20	0	0	0	0	0	34	89	0	1	124	79	121	7	0	207	351	
Exiting Leg						96					159					96					0	351
Total						116					159					220					207	702

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	4
4:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>5</b>
5:00 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	1	3	0	4	7
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	3
5:30 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
5:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	3
<b>Total</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>7</b>	<b>15</b>
6:00 PM	0	1	0	0	1	0	0	0	0	0	2	1	0	0	3	0	0	0	0	0	4
6:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	3	0	3	4
6:45 PM	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	1	0	2	0	3	6
<b>Total</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>6</b>	<b>15</b>
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
7:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>3</b>
Grand Total	0	11	0	0	11	0	0	0	0	0	2	10	0	0	12	1	2	12	0	15	38
Approach %	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	83.3	0.0	0.0	0.0	6.7	13.3	80.0	0.0	0.0	
Total %	0.0	28.9	0.0	0.0	28.9	0.0	0.0	0.0	0.0	0.0	5.3	26.3	0.0	0.0	31.6	2.6	5.3	31.6	0.0	39.5	
Exiting Leg Total	22					4					12					0					38
Buses	0	11	0	0	11	0	0	0	0	0	1	6	0	0	7	0	1	12	0	13	31
% Buses	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	50.0	60.0	0.0	0.0	58.3	0.0	50.0	100.0	0.0	86.7	81.6
Exiting Leg Total	18					2					11					0					31
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	1	4	0	0	5	1	1	0	0	2	7
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	40.0	0.0	0.0	41.7	100.0	50.0	0.0	0.0	13.3	18.4
Exiting Leg Total	4					2					1					0					7
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exiting Leg Total	0					0					0					0					0

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	4
4:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5:00 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	1	3	0	4	7
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	3
Total Volume	0	4	0	0	4	0	0	0	0	0	0	5	0	0	5	0	2	4	0	6	15
% Approach Total	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	33.3	66.7	0.0	0.0	
PHF	0.000	1.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.625	0.000	0.500	0.333	0.000	0.375	0.536
Buses	0	4	0	0	4	0	0	0	0	0	0	2	0	0	2	0	1	4	0	5	11
Buses %	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	40.0	0.0	50.0	100.0	0.0	83.3	73.3
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	4
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	60.0	0.0	50.0	0.0	0.0	16.7	26.7
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buses	0	4	0	0	4	0	0	0	0	0	0	2	0	0	2	0	1	4	0	5	11
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	4
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	0	4	0	0	4	0	0	0	0	0	0	5	0	0	5	0	2	4	0	6	15
Buses	6					1					4					0					11
Single-Unit Trucks	3					1					0					0					4
Articulated Trucks	0					0					0					0					0
Total Exiting Leg	9					2					4					0					15

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	3	3	0	6	0	0	0	0	0	3	21	0	0	24	18	26	3	0	47	77
4:45 PM	0	4	0	1	5	0	0	0	0	0	3	18	0	0	21	12	20	4	0	36	62
Total	0	7	3	1	11	0	0	0	0	0	6	39	0	0	45	30	46	7	0	83	139
5:00 PM	0	2	2	0	4	0	0	0	0	0	5	21	0	0	26	16	24	0	0	40	70
5:15 PM	0	3	1	1	5	0	0	0	0	0	7	18	0	0	25	21	30	1	0	52	82
5:30 PM	0	4	3	0	7	0	0	0	0	0	8	24	0	0	32	17	25	1	0	43	82
5:45 PM	0	6	0	0	6	0	0	0	0	0	15	24	0	0	39	14	28	1	0	43	88
Total	0	15	6	1	22	0	0	0	0	0	35	87	0	0	122	68	107	3	0	178	322
6:00 PM	0	3	0	0	3	0	0	0	0	0	4	17	0	1	22	25	30	1	0	56	81
6:15 PM	0	3	1	0	4	0	0	0	0	0	5	21	0	0	26	19	32	4	0	55	85
6:30 PM	0	3	3	0	6	0	0	0	0	0	9	14	0	0	23	21	33	1	0	55	84
6:45 PM	0	3	3	0	6	0	0	0	0	0	4	15	0	0	19	30	31	1	0	62	87
Total	0	12	7	0	19	0	0	0	0	0	22	67	0	1	90	95	126	7	0	228	337
7:00 PM	0	2	0	0	2	0	0	0	0	0	8	14	0	0	22	12	22	4	0	38	62
7:15 PM	0	4	1	0	5	0	0	0	0	0	5	14	0	0	19	13	23	4	0	40	64
Total	0	6	1	0	7	0	0	0	0	0	13	28	0	0	41	25	45	8	0	78	126
Grand Total	0	40	17	2	59	0	0	0	0	0	76	221	0	1	298	218	324	25	0	567	924
Approach %	0.0	67.8	28.8	3.4		0.0	0.0	0.0	0.0		25.5	74.2	0.0	0.3		38.4	57.1	4.4	0.0		
Total %	0.0	4.3	1.8	0.2	6.4	0.0	0.0	0.0	0.0	0.0	8.2	23.9	0.0	0.1	32.3	23.6	35.1	2.7	0.0	61.4	
Exiting Leg Total	248					417					259					0					924

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:45 PM	0	6	0	0	6	0	0	0	0	0	15	24	0	0	39	14	28	1	0	43	88
6:00 PM	0	3	0	0	3	0	0	0	0	0	4	17	0	1	22	25	30	1	0	56	81
6:15 PM	0	3	1	0	4	0	0	0	0	0	5	21	0	0	26	19	32	4	0	55	85
6:30 PM	0	3	3	0	6	0	0	0	0	0	9	14	0	0	23	21	33	1	0	55	84
Total Volume	0	15	4	0	19	0	0	0	0	0	33	76	0	1	110	79	123	7	0	209	338
% Approach Total	0.0	78.9	21.1	0.0		0.0	0.0	0.0	0.0		30.0	69.1	0.0	0.9		37.8	58.9	3.3	0.0		
PHF	0.000	0.625	0.333	0.000	0.792	0.000	0.000	0.000	0.000	0.000	0.550	0.792	0.000	0.250	0.705	0.790	0.932	0.438	0.000	0.933	0.960
Entering Leg	0	15	4	0	19	0	0	0	0	0	33	76	0	1	110	79	123	7	0	209	338
Exiting Leg	83					160					95					0					338
Total	102					160					205					209					676

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Light Goods Vehicle**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	2	3
Total	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	1	1	1	0	3	5
5:00 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	1	0	0	1	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	1	0	0	3	4
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	2	3
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
Total	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	4	4	0	0	8	12
6:00 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	1	2	0	0	3	5
6:15 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	1	2	0	0	3	5
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	3	3
Total	0	0	0	0	0	0	0	0	0	0	2	2	0	0	4	3	6	1	0	10	14
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	2	3
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	2
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	2	0	0	4	5
Grand Total	0	0	0	0	0	0	0	0	0	0	5	6	0	0	11	10	13	2	0	25	36
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		45.5	54.5	0.0	0.0		40.0	52.0	8.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	16.7	0.0	0.0	30.6	27.8	36.1	5.6	0.0	69.4	
Exiting Leg Total	8					18					10					0					36

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	2	3
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
6:00 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	1	2	0	0	3	5
6:15 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	1	2	0	0	3	5
Total Volume	0	0	0	0	0	0	0	0	0	0	2	3	0	0	5	4	6	0	0	10	15
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		40.0	60.0	0.0	0.0		40.0	60.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.750	0.000	0.000	0.625	1.000	0.750	0.000	0.000	0.833	0.750
Entering Leg	0	0	0	0	0	0	0	0	0	0	2	3	0	0	5	4	6	0	0	10	15
Exiting Leg	3					8					4					0					15
Total	3					8					9					10					30

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
4:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3
5:00 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	3	0	3	6
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
5:30 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
5:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	3
<b>Total</b>	0	4	0	0	4	0	0	0	0	0	0	3	0	0	3	0	1	5	0	6	13
6:00 PM	0	1	0	0	1	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	3
6:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	3	0	3	4
6:45 PM	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0	2	0	2	5
<b>Total</b>	0	4	0	0	4	0	0	0	0	0	1	3	0	0	4	0	0	5	0	5	13
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
<b>Total</b>	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
<b>Grand Total</b>	0	11	0	0	11	0	0	0	0	0	1	6	0	0	7	0	1	12	0	13	31
Approach %	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		14.3	85.7	0.0	0.0		0.0	7.7	92.3	0.0		
Total %	0.0	35.5	0.0	0.0	35.5	0.0	0.0	0.0	0.0	0.0	3.2	19.4	0.0	0.0	22.6	0.0	3.2	38.7	0.0	41.9	
Exiting Leg Total	18					2					11					0					31

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:00 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	3	0	3	6
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
5:30 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
5:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	3
<b>Total Volume</b>	0	4	0	0	4	0	0	0	0	0	0	3	0	0	3	0	1	5	0	6	13
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	16.7	83.3	0.0		
PHF	0.000	1.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.000	0.000	0.375	0.000	0.250	0.417	0.000	0.500	0.542
Entering Leg	0	4	0	0	4	0	0	0	0	0	0	3	0	0	3	0	1	5	0	6	13
Exiting Leg																8					13
<b>Total</b>	12					1					7					6					26

PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
6:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	2
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
Grand Total	0	0	0	0	0	0	0	0	0	0	1	4	0	0	5	1	1	0	0	2	7
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		20.0	80.0	0.0	0.0		50.0	50.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	57.1	0.0	0.0	71.4	14.3	14.3	0.0	0.0	28.6	
Exiting Leg Total	4					2					1					0					7

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	4
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.000	0.000	0.375	0.000	0.250	0.000	0.000	0.250	0.500
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	4
Exiting Leg	3					1					0					4					
Total	3					1					3					1					8



PDI File #: **186591-25**  
 Location: **N: Magazine Street S: Magazine Street**  
 Location: **E: Franklin Street W: Franklin Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
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**Articulated Trucks**

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0					0					0					0					0

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street					Franklin Street					Magazine Street					Franklin Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0					0					0					0					0
Total	0					0					0					0					0

PDI File #: 186591-25  
 Location: N: Magazine Street S: Magazine Street  
 Location: E: Franklin Street W: Franklin Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Magazine Street							Franklin Street							Magazine Street							Franklin Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	2	4	
Total	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	2	7		
5:00 PM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	2	7	
5:15 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	4	
5:30 PM	0	1	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	5	
5:45 PM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	4	1	0	0	0	6	1	3	0	0	0	4	11	
Total	1	4	0	0	0	0	5	0	1	0	0	0	0	1	1	9	1	0	0	0	11	4	6	0	0	0	10	27	
6:00 PM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0	0	3	2	0	0	0	0	2	7	
6:15 PM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	4	0	0	0	0	4	2	0	0	0	0	2	8	
6:30 PM	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	2	6	1	0	0	0	7	11	
6:45 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0	0	3	1	2	0	0	0	3	7	
Total	1	6	0	0	0	0	7	0	0	0	0	0	0	0	0	12	0	0	0	0	12	11	3	0	0	0	14	33	
7:00 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	3	
7:15 PM	0	2	0	0	0	0	2	0	0	0	0	1	0	1	0	2	0	0	1	0	3	1	0	0	0	0	1	7	
Total	0	3	0	0	0	0	3	0	0	0	0	1	0	1	0	4	0	0	1	0	5	1	0	0	0	0	1	10	
Grand Total	2	16	0	0	0	0	18	0	1	0	0	1	0	2	1	27	1	0	1	0	30	16	9	1	0	1	0	27	77
Approach %	11.1	88.9	0.0	0.0	0.0	0.0		0.0	50.0	0.0	0.0	50.0	0.0		3.3	90.0	3.3	0.0	3.3	0.0		59.3	33.3	3.7	0.0	3.7	0.0		
Total %	2.6	20.8	0.0	0.0	0.0	0.0	23.4	0.0	1.3	0.0	0.0	1.3	0.0	2.6	1.3	35.1	1.3	0.0	1.3	0.0	39.0	20.8	11.7	1.3	0.0	1.3	0.0	35.1	
Exiting Leg Total	28							11							33							5							77

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street							Franklin Street							Magazine Street							Franklin Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:45 PM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	4	1	0	0	0	6	1	3	0	0	0	0	4	11
5:45 PM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0	0	3	2	0	0	0	0	0	2	7
6:00 PM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	4	0	0	0	0	4	2	0	0	0	0	0	2	8
6:30 PM	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	2	6	1	0	0	0	0	7	11
Total Volume	2	5	0	0	0	0	7	0	0	0	0	0	0	0	1	13	1	0	0	0	15	11	4	0	0	0	0	15	37
% Approach Total	28.6	71.4	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0		6.7	86.7	6.7	0.0	0.0	0.0		73.3	26.7	0.0	0.0	0.0	0.0		
PHF	0.500	0.625	0.000	0.000	0.000	0.000	0.875	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.813	0.250	0.000	0.000	0.000	0.625	0.458	0.333	0.000	0.000	0.000	0.000	0.536	0.841
Entering Leg	2	5	0	0	0	0	7	0	0	0	0	0	0	0	1	13	1	0	0	0	15	11	4	0	0	0	0	15	37
Exiting Leg	13							5							16							3							37
Total	20							5							31							18							74

PDI File #: 186591-25  
 Location: N: Magazine Street S: Magazine Street  
 Location: E: Franklin Street W: Franklin Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Magazine Street							Franklin Street							Magazine Street							Franklin Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	0	0	0	0	2	2	0	0	0	0	20	16	36	0	0	0	0	4	9	13	0	0	0	0	4	0	4	55
4:45 PM	0	0	0	0	3	9	12	0	0	0	0	16	27	43	0	0	0	0	2	6	8	0	0	0	0	5	7	12	75
Total	0	0	0	0	3	11	14	0	0	0	0	36	43	79	0	0	0	0	6	15	21	0	0	0	0	9	7	16	130
5:00 PM	0	0	0	0	3	1	4	0	0	0	0	22	21	43	0	0	0	0	9	3	12	0	0	0	0	3	2	5	64
5:15 PM	0	0	0	0	1	0	1	0	0	0	0	43	10	53	0	0	0	0	12	6	18	0	0	0	0	1	2	3	75
5:30 PM	0	0	0	0	3	5	8	0	0	0	0	42	12	54	0	0	0	0	10	0	10	0	0	0	0	7	11	18	90
5:45 PM	0	0	0	0	7	2	9	0	0	0	0	32	22	54	0	0	0	0	7	3	10	0	0	0	0	5	7	12	85
Total	0	0	0	0	14	8	22	0	0	0	0	139	65	204	0	0	0	0	38	12	50	0	0	0	0	16	22	38	314
6:00 PM	0	0	0	0	5	2	7	0	0	0	0	33	13	46	0	0	0	0	7	2	9	0	0	0	0	4	12	16	78
6:15 PM	0	0	0	0	1	4	5	0	0	0	0	26	14	40	0	0	0	0	6	5	11	0	0	0	0	7	1	8	64
6:30 PM	0	0	0	0	2	3	5	0	0	0	0	28	11	39	0	0	0	0	5	1	6	0	0	0	0	3	13	16	66
6:45 PM	0	0	0	0	1	1	2	0	0	0	0	32	10	42	0	0	0	0	8	2	10	0	0	0	0	3	3	6	60
Total	0	0	0	0	9	10	19	0	0	0	0	119	48	167	0	0	0	0	26	10	36	0	0	0	0	17	29	46	268
7:00 PM	0	0	0	0	2	6	8	0	0	0	0	29	6	35	0	0	0	0	6	1	7	0	0	0	0	2	3	5	55
7:15 PM	0	0	0	0	4	0	4	0	0	0	0	48	15	63	0	0	0	0	4	4	8	0	0	0	0	8	4	12	87
Total	0	0	0	0	6	6	12	0	0	0	0	77	21	98	0	0	0	0	10	5	15	0	0	0	0	10	7	17	142
Grand Total	0	0	0	0	32	35	67	0	0	0	0	371	177	548	0	0	0	0	80	42	122	0	0	0	0	52	65	117	854
Approach %	0	0	0	0	47.8	52.2		0	0	0	0	67.7	32.3		0	0	0	0	65.6	34.4		0	0	0	0	44.4	55.6		
Total %	0	0	0	0	3.75	4.1	7.85	0	0	0	0	43.4	20.7	64.2	0	0	0	0	9.37	4.92	14.3	0	0	0	0	6.09	7.61	13.7	
Exiting Leg Total	67							548							122							117							854

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Magazine Street							Franklin Street							Magazine Street							Franklin Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:15 PM	0	0	0	0	1	0	1	0	0	0	0	43	10	53	0	0	0	0	12	6	18	0	0	0	0	1	2	3	75
5:30 PM	0	0	0	0	3	5	8	0	0	0	0	42	12	54	0	0	0	0	10	0	10	0	0	0	0	7	11	18	90
5:45 PM	0	0	0	0	7	2	9	0	0	0	0	32	22	54	0	0	0	0	7	3	10	0	0	0	0	5	7	12	85
6:00 PM	0	0	0	0	5	2	7	0	0	0	0	33	13	46	0	0	0	0	7	2	9	0	0	0	0	4	12	16	78
Total Volume	0	0	0	0	16	9	25	0	0	0	0	150	57	207	0	0	0	0	36	11	47	0	0	0	0	17	32	49	328
% Approach Total	0.0	0.0	0.0	0.0	64.0	36.0		0.0	0.0	0.0	0.0	72.5	27.5		0.0	0.0	0.0	0.0	76.6	23.4		0.0	0.0	0.0	0.0	34.7	65.3		
PHF	0.000	0.000	0.000	0.000	0.571	0.450	0.694	0.000	0.000	0.000	0.000	0.872	0.648	0.958	0.000	0.000	0.000	0.000	0.750	0.458	0.653	0.000	0.000	0.000	0.000	0.607	0.667	0.681	0.911
Entering Leg	0	0	0	0	16	9	25	0	0	0	0	150	57	207	0	0	0	0	36	11	47	0	0	0	0	17	32	49	328
Exiting Leg	25							207							47							49							328
Total	50							414							94							98							656

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Cars and Heavy Vehicles (Combined)**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	3	5	0	0	0	8	0	3	0	0	0	3	0	0	156	3	0	159	170
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	7	0	3	1	0	0	4	0	0	141	6	0	147	158
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	2	10	0	0	0	12	0	7	1	0	0	8	0	0	145	7	0	152	172
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	6	10	0	0	0	16	0	10	0	0	0	10	0	0	175	2	0	177	203
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	16	27	0	0	0	43	0	23	2	0	0	25	0	0	617	18	0	635	703
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	4	5	0	0	0	9	0	21	2	0	0	23	0	0	147	2	0	149	181
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	4	8	0	0	0	12	0	25	2	0	0	27	0	0	145	1	0	146	185
8:30 AM	0	0	0	1	0	1	0	0	0	0	0	0	6	4	0	0	0	10	0	26	1	0	0	27	0	0	159	1	0	160	198
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	3	6	0	0	0	9	0	31	1	0	0	32	0	0	150	4	0	154	195
<b>Total</b>	0	0	0	1	0	1	0	0	0	0	0	0	17	23	0	0	0	40	0	103	6	0	0	109	0	0	601	8	0	609	759
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	4	0	19	0	0	0	19	0	0	168	1	0	169	192
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	13	2	0	0	15	0	1	180	1	0	182	198
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	4	0	11	2	0	0	13	0	0	168	2	0	170	187
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0	7	0	8	2	0	0	10	0	0	167	4	0	171	188
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	10	6	0	0	0	16	0	51	6	0	0	57	0	1	683	8	0	692	765
<b>Grand Total</b>	0	0	0	1	0	1	0	0	0	0	0	0	43	56	0	0	0	99	0	177	14	0	0	191	0	1	1901	34	0	1936	2227
Approach %	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.4	56.6	0.0	0.0	0.0	0.0	0.0	0.0	92.7	7.3	0.0	0.0	0.0	0.0	0.1	98.2	1.8	0.0	0.0	0.0
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.5	0.0	0.0	0.0	0.0	4.4	0.0	7.9	0.6	0.0	0.0	0.0	0.0	0.0	85.4	1.5	0.0	86.9	0.0
Exiting Leg Total	104						2122						1						0						0						2227
Cars	0	0	0	1	0	1	0	0	0	0	0	0	42	55	0	0	0	97	0	159	14	0	0	173	0	1	1766	33	0	1800	2071
% Cars	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	97.7	98.2	0.0	0.0	0.0	98.0	0.0	89.8	100.0	0.0	0.0	90.6	0.0	100.0	92.9	97.1	0.0	93.0	93.0
Exiting Leg Total	102						1968						1						0						0						2071
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	18	0	0	0	18	0	0	135	1	0	136	156
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.8	0.0	0.0	0.0	2.0	0.0	10.2	0.0	0.0	0.0	9.4	0.0	0.0	7.1	2.9	0.0	7.0	7.0
Exiting Leg Total	2						154						0						0						0						156

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
8:30 AM	0	0	0	1	0	1	0	0	0	0	0	0	6	4	0	0	0	10	0	26	1	0	0	27	0	0	159	1	0	160	198
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	3	6	0	0	0	9	0	31	1	0	0	32	0	0	150	4	0	154	195
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	4	0	19	0	0	0	19	0	0	168	1	0	169	192
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	13	2	0	0	15	0	1	180	1	0	182	198
Total Volume	0	0	0	1	0	1	0	0	0	0	0	0	10	14	0	0	0	24	0	89	4	0	0	93	0	1	657	7	0	665	783
% Approach Total	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.7	58.3	0.0	0.0	0.0	0.0	0.0	0.0	95.7	4.3	0.0	0.0	0.0	0.0	0.2	98.8	1.1	0.0	0.0	0.0
PHF	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.417	0.583	0.000	0.000	0.000	0.600	0.000	0.718	0.500	0.000	0.000	0.727	0.000	0.250	0.913	0.438	0.000	0.913	0.989	
Cars	0	0	0	1	0	1	0	0	0	0	0	0	10	13	0	0	0	23	0	80	4	0	0	84	0	1	613	7	0	621	729
Cars %	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	92.9	0.0	0.0	0.0	95.8	0.0	89.9	100.0	0.0	0.0	90.3	0.0	100.0	93.3	100.0	0.0	93.4	93.1
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	9	0	0	0	9	0	0	44	0	0	44	54
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	4.2	0.0	10.1	0.0	0.0	0.0	9.7	0.0	0.0	6.7	0.0	0.0	6.6	6.9
Cars Enter Leg	0	0	0	1	0	1	0	0	0	0	0	0	10	13	0	0	0	23	0	80	4	0	0	84	0	1	613	7	0	621	729
Heavy Enter Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	9	0	0	0	9	0	0	44	0	0	44	54
Total Entering Leg	0	0	0	1	0	1	0	0	0	0	0	0	10	14	0	0	0	24	0	89	4	0	0	93	0	1	657	7	0	665	783
Cars Exiting Leg	24						704						1						0						0						729
Heavy Exiting Leg	1						53						0						0						0						54
Total Exiting Leg	25						757						1						0						0						783

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	3	5	0	0	0	8	0	2	0	0	0	2	0	0	148	3	0	151	161
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	6	0	2	1	0	0	3	0	0	127	6	0	133	142
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	2	10	0	0	0	12	0	6	1	0	0	7	0	0	132	6	0	138	157
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	6	10	0	0	0	16	0	10	0	0	0	10	0	0	163	2	0	165	191
Total	0	0	0	0	0	0	0	0	0	0	0	0	15	27	0	0	0	42	0	20	2	0	0	22	0	0	570	17	0	587	651
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	4	5	0	0	0	9	0	18	2	0	0	20	0	0	137	2	0	139	168
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	4	8	0	0	0	12	0	23	2	0	0	25	0	0	134	1	0	135	172
8:30 AM	0	0	0	1	0	1	0	0	0	0	0	0	6	4	0	0	0	10	0	21	1	0	0	22	0	0	146	1	0	147	180
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	3	5	0	0	0	8	0	28	1	0	0	29	0	0	141	4	0	145	182
Total	0	0	0	1	0	1	0	0	0	0	0	0	17	22	0	0	0	39	0	90	6	0	0	96	0	0	558	8	0	566	702
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	4	0	18	0	0	0	18	0	0	159	1	0	160	182
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	13	2	0	0	15	0	1	167	1	0	169	185
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	4	0	10	2	0	0	12	0	0	155	2	0	157	173
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0	7	0	8	2	0	0	10	0	0	157	4	0	161	178
Total	0	0	0	0	0	0	0	0	0	0	0	0	10	6	0	0	0	16	0	49	6	0	0	55	0	1	638	8	0	647	718
Grand Total	0	0	0	1	0	1	0	0	0	0	0	0	42	55	0	0	0	97	0	159	14	0	0	173	0	1	1766	33	0	1800	2071
Approach %	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	0.0		43.3	56.7	0.0	0.0	0.0		0.0	91.9	8.1	0.0	0.0		0.0	0.1	98.1	1.8	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.7	0.0	0.0	0.0	4.7	0.0	7.7	0.7	0.0	0.0	8.4	0.0	0.0	85.3	1.6	0.0	86.9	
Exiting Leg Total	102						1968						1						0						0						2071

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
8:30 AM	0	0	0	1	0	1	0	0	0	0	0	0	6	4	0	0	0	10	0	21	1	0	0	22	0	0	146	1	0	147	180
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	3	5	0	0	0	8	0	28	1	0	0	29	0	0	141	4	0	145	182
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	4	0	18	0	0	0	18	0	0	159	1	0	160	182
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	13	2	0	0	15	0	1	167	1	0	169	185
Total Volume	0	0	0	1	0	1	0	0	0	0	0	0	10	13	0	0	0	23	0	80	4	0	0	84	0	1	613	7	0	621	729
% Approach Total	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	0.0		43.5	56.5	0.0	0.0	0.0		0.0	95.2	4.8	0.0	0.0		0.0	0.2	98.7	1.1	0.0		
PHF	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.417	0.650	0.000	0.000	0.000	0.575	0.000	0.714	0.500	0.000	0.000	0.724	0.000	0.250	0.918	0.438	0.000	0.919	0.985
Entering Leg	0	0	0	1	0	1	0	0	0	0	0	0	10	13	0	0	0	23	0	80	4	0	0	84	0	1	613	7	0	621	729
Exiting Leg	24						704						1						0						0						729
Total	25						704						24						84						621						1458

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



### Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	8	0	0	8	9
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	14	0	0	14	16
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	13	1	0	14	15
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12	
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	3	0	0	0	0	3	0	0	47	1	0	48	52
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	0	10	0	0	10	13
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	11	0	0	11	13
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	0	0	13	0	0	13	18
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	3	0	0	0	0	3	0	0	9	0	0	9	13
Total	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	13	0	0	0	0	13	0	0	43	0	0	43	57
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	9	0	0	9	10
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	13	13	
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	13	0	0	13	14
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	10	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	45	0	0	45	47
Grand Total	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	18	0	0	0	0	18	0	0	135	1	0	136	156
Approach %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	99.3	0.7	0.0			
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	1.3	0.0	11.5	0.0	0.0	0.0	11.5	0.0	0.0	86.5	0.6	0.0	87.2		
Exiting Leg Total	2						154						0						0						0						156
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	13	0	0	43	0	0	43	56
% Buses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.2	0.0	0.0	0.0	0.0	72.2	0.0	0.0	31.9	0.0	0.0	31.6	35.9
Exiting Leg Total	0						56						0						0						0						56
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	4	0	0	0	0	4	0	0	83	1	0	84	89
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	50.0	0.0	22.2	0.0	0.0	0.0	0.0	22.2	0.0	0.0	61.5	100.0	0.0	61.8	57.1
Exiting Leg Total	1						88						0						0						0						89
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1	0	0	9	0	0	9	11
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	50.0	0.0	5.6	0.0	0.0	0.0	0.0	5.6	0.0	0.0	6.7	0.0	0.0	6.6	7.1
Exiting Leg Total	1						10						0						0						0						11

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	0	10	0	0	10	13
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	11	0	0	11	13
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	0	0	13	0	0	13	18
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	3	0	0	0	0	3	0	0	9	0	0	9	13
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	13	0	0	0	0	13	0	0	43	0	0	43	57
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.650	0.000	0.000	0.000	0.650	0.000	0.000	0.827	0.000	0.000	0.827	0.792	
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	9	0	0	21	0	0	21	30
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.2	0.0	0.0	0.0	0.0	69.2	0.0	0.0	48.8	0.0	0.0	48.8	52.6
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	0	0	22	0	0	22	26
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.8	0.0	0.0	0.0	0.0	30.8	0.0	0.0	51.2	0.0	0.0	51.2	45.6
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	9	0	0	21	0	0	21	30
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	0	0	22	0	0	22	26

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total						
	from North						from East						from Southeast						from South						from West												
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total							
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	13	0	0	0	13	0	0	43	0	0	0	43	0				
Buses						0						30						0						0							0	30					
Single-Unit Trucks						0						26						0						0							0	26					
Articulated Trucks						1						0						0						0							0	1					
Total Exiting Leg						1						56						0						0							0	57					

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



Cars

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total	
	from North						from East						from Southeast						from South						from West							
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total		
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	6	0	2	0	0	0	2	0	0	131	2	0	133	141	
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	6	0	1	1	0	0	2	0	0	109	3	0	112	120	
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	2	10	0	0	0	12	0	6	1	0	0	7	0	0	121	4	0	125	144	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	6	10	0	0	0	16	0	10	0	0	0	10	0	0	148	1	0	149	175	
Total	0	0	0	0	0	0	0	0	0	0	0	0	14	26	0	0	0	40	0	19	2	0	0	21	0	0	509	10	0	519	580	
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	8	0	17	2	0	0	19	0	0	132	1	0	133	160	
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	4	8	0	0	0	12	0	23	2	0	0	25	0	0	121	1	0	122	159	
8:30 AM	0	0	0	1	0	1	0	0	0	0	0	0	6	4	0	0	0	10	0	21	1	0	0	22	0	0	138	1	0	139	172	
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0	0	0	7	0	27	1	0	0	28	0	0	133	3	0	136	171	
Total	0	0	0	1	0	1	0	0	0	0	0	0	16	21	0	0	0	37	0	88	6	0	0	94	0	0	524	6	0	530	662	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	4	0	18	0	0	0	18	0	0	146	1	0	147	169	
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	12	2	0	0	14	0	0	147	1	0	148	163	
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	10	2	0	0	12	0	0	136	2	0	138	152	
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0	7	0	7	2	0	0	9	0	0	144	2	0	146	162	
Total	0	0	0	0	0	0	0	0	0	0	0	0	8	6	0	0	0	14	0	47	6	0	0	53	0	0	573	6	0	579	646	
Grand Total	0	0	0	1	0	1	0	0	0	0	0	0	38	53	0	0	0	91	0	154	14	0	0	168	0	0	1606	22	0	1628	1888	
Approach %	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	0.0		41.8	58.2	0.0	0.0	0.0		0.0	91.7	8.3	0.0	0.0		0.0	0.0	98.6	1.4	0.0			
Total %	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0		2.0	2.8	0.0	0.0	0.0	4.8		0.0	8.2	0.7	0.0	0.0	8.9	0.0	0.0	85.1	1.2	0.0	86.2	
Exiting Leg Total	89						1799						0						0						0						1888	

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
8:30 AM	0	0	0	1	0	1	0	0	0	0	0	0	6	4	0	0	0	10	0	21	1	0	0	22	0	0	138	1	0	139	172
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0	0	0	7	0	27	1	0	0	28	0	0	133	3	0	136	171
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	4	0	18	0	0	0	18	0	0	146	1	0	147	169
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	12	2	0	0	14	0	0	147	1	0	148	163
Total Volume	0	0	0	1	0	1	0	0	0	0	0	0	9	13	0	0	0	22	0	78	4	0	0	82	0	0	564	6	0	570	675
% Approach Total	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	0.0		40.9	59.1	0.0	0.0	0.0		0.0	95.1	4.9	0.0	0.0		0.0	0.0	98.9	1.1	0.0		
PHF	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000		0.375	0.650	0.000	0.000	0.550		0.000	0.722	0.500	0.000	0.000	0.732	0.000	0.000	0.959	0.500	0.000	0.963	0.981
Entering Leg	0	0	0	1	0	1	0	0	0	0	0	0	9	13	0	0	0	22	0	78	4	0	0	82	0	0	564	6	0	570	675
Exiting Leg	23						652						0						0						0						675
Total	24						652						22						82						570						1350



PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Light Goods Vehicle**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total	
	from North						from East						from Southeast						from South						from West							
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total		
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	17	1	0	18	20	
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	18	3	0	21	22
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	2	0	13	13	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	1	0	16	16	
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	1	0	0	0	1	0	0	61	7	0	68	71	
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	5	1	0	6	8	
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	13	13	
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8	
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	1	0	0	8	1	0	9	11	
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	2	0	0	0	2	0	0	34	2	0	36	40	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12	
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	20	0	0	21	22	
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	19	0	0	19	21	
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	13	2	0	15	16	
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	2	0	0	0	2	0	1	64	2	0	67	71	
<b>Grand Total</b>	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	6	0	5	0	0	0	5	0	1	159	11	0	171	182		
Approach %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	33.3	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.6	93.0	6.4	0.0				
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.1	0.0	0.0	0.0	3.3	0.0	2.7	0.0	0.0	0.0	2.7	0.0	0.5	87.4	6.0	0.0	94.0			
Exiting Leg Total	13						168						1						0						0						182	

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total	
	from North						from East						from Southeast						from South						from West							
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total		
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	17	1	0	18	20	
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	18	3	0	21	22
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	2	0	13	13	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	1	0	16	16	
<b>Total Volume</b>	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	1	0	0	0	1	0	0	61	7	0	68	71	
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89.7	10.3	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.847	0.583	0.000	0.810	0.807		
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	1	0	0	0	1	0	0	61	7	0	68	71		
Exiting Leg	8						63						0						0						0						71	
<b>Total</b>	8						63						2						1						68						142	

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Buses**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	4	0	0	4	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5		
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	12	0	0	12	
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	3	0	0	3	
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	6	0	0	6	
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	0	0	7	0	0	7	
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	5	0	0	5	
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	9	0	0	21	0	0	21	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	0	2	
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2		
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	3	0	0	3	
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3		
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	10	0	0	10	
<b>Grand Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	13	0	0	43	0	0	43	
<b>Approach %</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0		
<b>Total %</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	0.0	0.0	0.0	0.0	23.2	0.0	0.0	76.8	0.0	0.0	76.8	
<b>Exiting Leg Total</b>	0						56						0						0						0						56

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	3	0	0	3	
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	6	0	0	6	
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	0	0	7	0	0	7	
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	5	0	0	5	
<b>Total Volume</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	9	0	0	21	0	0	21	
<b>% Approach Total</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0		
<b>PHF</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.000	0.000	0.000	0.000	0.450	0.000	0.000	0.750	0.000	0.000	0.750	
<b>Entering Leg</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	9	0	0	21	0	0	21	
<b>Exiting Leg</b>	0						30						0						0						0						30
<b>Total</b>	0						30						0						9						21						60

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



Single-Unit Trucks

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	10	0	0	10	11
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	8	8	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7	
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	31	1	0	32	33	
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	7	0	0	7	9
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5	
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6	
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	4	0	0	4	6
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	0	0	22	0	0	22	26	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7	
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9		
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8		
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6		
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	30	30		
Grand Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	4	0	0	0	4	0	0	83	1	0	84	89	
Approach %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	98.8	1.2	0.0				
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	0.0	4.5	0.0	0.0	0.0	4.5	0.0	0.0	93.3	1.1	0.0	94.4		
Exiting Leg Total	1						88						0						0						0						89

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	10	0	0	10	11	
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	8	8	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7		
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	7	0	0	7	9
Total Volume	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2	0	0	0	2	0	0	31	1	0	32	35	
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	96.9	3.1	0.0				
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.775	0.250	0.000	0.800	0.795	
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2	0	0	0	2	0	0	31	1	0	32	35	
Exiting Leg	1						34						0						0						0						35
Total	1						34						1						2						32						70

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



PRECISION  
 DATA  
 INDUSTRIES, LLC  
 46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	1	2	
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	4	0	0	4	5
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5	
<b>Grand Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	9	0	0	9	11	
<b>Approach %</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
<b>Total %</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	9.1	0.0	9.1	0.0	0.0	0.0	9.1	0.0	0.0	81.8	0.0	0.0	81.8	0.0	
<b>Exiting Leg Total</b>	1						10						0						0						0						11

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	1	2	
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Total Volume</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	4	0	0	4	5	
<b>% Approach Total</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
<b>PHF</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.500	0.000	0.000	0.500	0.625		
<b>Entering Leg</b>	0						0						0						1						4						5
<b>Exiting Leg</b>	0						5						0						0						0						5
<b>Total</b>	0						5						0						1						4						10



PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahan/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



### Pedestrians

	Pleasant Street									River Street									Cottage Street									Pleasant Street									River Street									Total				
	from North									from East									from Southeast									from South									from West													
	Right	Thru	Bear Left	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	Hard Left	U-Turn	CW-SB	CW-NB	Total		Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	CW-SWB	CW-NEB	Total		Hard Right	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Bear Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total						
7:00 AM	0	0	0	0	0	6	3	9	0	0	0	0	0	1	1	2	0	0	0	0	0	0	5	9	14	0	0	0	0	0	3	9	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
7:15 AM	0	0	0	0	0	8	3	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	15	19	0	0	0	0	0	2	9	11	0	0	0	0	0	1	1	2	43								
7:30 AM	0	0	0	0	0	4	4	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	20	28	0	0	0	0	0	6	14	20	0	0	0	0	0	1	0	1	57								
7:45 AM	0	0	0	0	0	10	4	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	24	32	0	0	0	0	0	4	17	21	0	0	0	0	0	2	0	2	69								
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>14</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>68</b>	<b>93</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>49</b>	<b>64</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>5</b>	<b>206</b>								
8:00 AM	0	0	0	0	0	9	4	13	0	0	0	0	0	2	0	2	0	0	0	0	0	0	13	26	39	0	0	0	0	0	4	14	18	0	0	0	0	0	0	0	1	73								
8:15 AM	0	0	0	0	0	5	1	6	0	0	0	0	0	2	0	2	0	0	0	0	0	0	18	22	40	0	0	0	0	0	11	14	25	0	0	0	0	0	0	0	0	73								
8:30 AM	0	0	0	0	0	19	4	23	0	0	0	0	0	1	0	1	0	0	0	0	0	0	8	35	43	0	0	0	0	0	6	14	20	0	0	0	0	0	1	1	2	89								
8:45 AM	0	0	0	0	0	10	4	14	0	0	0	0	0	3	1	4	0	0	0	0	0	0	13	34	47	0	0	0	0	0	5	17	22	0	0	0	0	0	1	1	2	89								
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>13</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>117</b>	<b>169</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>59</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>324</b>								
9:00 AM	0	0	0	0	0	6	6	12	0	0	0	0	0	2	0	2	0	0	0	0	0	0	5	23	28	0	0	0	0	0	4	13	17	0	0	0	0	0	0	0	2	61								
9:15 AM	0	0	0	0	0	6	4	10	0	0	0	0	0	1	2	3	0	0	0	0	0	0	10	15	25	0	0	0	0	0	5	6	11	0	0	0	0	0	0	0	0	49								
9:30 AM	0	0	0	0	0	5	7	12	0	0	0	0	0	1	0	1	0	0	0	0	0	0	14	12	26	0	0	0	0	0	7	10	17	0	0	0	0	0	0	1	1	57								
9:45 AM	0	0	0	0	0	3	2	5	0	0	0	0	0	3	0	3	0	0	0	0	0	0	9	8	17	0	0	0	0	0	2	8	10	0	0	0	0	0	1	0	1	36								
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>19</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>2</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>58</b>	<b>96</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>37</b>	<b>55</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>203</b>								
Grand Total	0	0	0	0	0	91	46	137	0	0	0	0	0	16	4	20	0	0	0	0	0	0	115	243	358	0	0	0	0	0	59	145	204	0	0	0	0	0	7	7	14	733								
Approach %	0	0	0	0	0	66.4	33.6		0	0	0	0	0	80	20		0	0	0	0	0	0	32.1	67.9		0	0	0	0	0	28.9	71.1		0	0	0	0	0	50	50										
Total %	0	0	0	0	0	12.4	6.28	18.7	0	0	0	0	0	2.18	0.55	2.73	0	0	0	0	0	0	15.7	33.2	48.8	0	0	0	0	0	8.05	19.8	27.8	0	0	0	0	0	0.95	0.95	1.91									
Exiting Leg Total	137								20								358								204								14								733									

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

8:00 AM	Pleasant Street									River Street									Cottage Street									Pleasant Street									River Street									Total
	from North									from East									from Southeast									from South									from West									
	Right	Thru	Bear Left	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	Hard Left	U-Turn	CW-SB	CW-NB	Total		Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	CW-SWB	CW-NEB	Total		Hard Right	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Bear Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
8:00 AM	0	0	0	0	0	9	4	13	0	0	0	0	0	2	0	2	0	0	0	0	0	0	13	26	39	0	0	0	0	0	4	14	18	0	0	0	0	0	0	0	1	73				
8:15 AM	0	0	0	0	0	5	1	6	0	0	0	0	0	2	0	2	0	0	0	0	0	0	18	22	40	0	0	0	0	0	11	14	25	0	0	0	0	0	0	0	0	73				
8:30 AM	0	0	0	0	0	19	4	23	0	0	0	0	0	1	0	1	0	0	0	0	0	0	8	35	43	0	0	0	0	0	6	14	20	0	0	0	0	0	1	1	2	89				
8:45 AM	0	0	0	0	0	10	4	14	0	0	0	0	0	3	1	4	0	0	0	0	0	0	13	34	47	0	0	0	0	0	5	17	22	0	0	0	0	0	1	1	2	89				
Total Volume	0	0	0	0	0	43	13	56	0	0	0	0	0	8	1	9	0	0	0	0	0	0	52	117	169	0	0	0	0	0	26	59	85	0	0	0	0	0	2	3	5	324				
% Approach Total	0.0	0.0	0.0	0.0	0.0	76.8	23.2		0.0	0.0	0.0	0.0	0.0	88.9	11.1		0.0	0.0	0.0	0.0	0.0	0.0	30.8	69.2		0.0	0.0	0.0	0.0	0.0	30.6	69.4		0.0	0.0	0.0	0.0	0.0	40.0	60.0						
PHF	0.000	0.000	0.000	0.000	0.000	0.566	0.813	0.609	0.000	0.000	0.000	0.000	0.000	0.667	0.250	0.563	0.000	0.000	0.000	0.000	0.000	0.000	0.722	0.836	0.899	0.000	0.000	0.000	0.000	0.000	0.591	0.868	0.850	0.000	0.000	0.000	0.000	0.000	0.500	0.750	0.625	0.910				
Entering Leg	0	0	0	0	0	43	13	56	0	0	0	0	0	8	1	9	0	0	0	0	0	0	52	117	169	0	0	0	0	0	26	59	85	0	0	0	0	0	2	3	5	324				
Exiting Leg	56								9								169								85								5								324					
Total	112								18								338								170								10								648					

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Cars and Heavy Vehicles (Combined)**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	1	0	1	0	0	0	0	0	0	5	17	0	0	0	22	0	26	1	0	0	27	0	0	147	1	0	148	198
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	6	24	0	0	0	30	0	12	1	0	0	13	0	0	135	2	0	137	180
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>41</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>0</b>	<b>38</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>282</b>	<b>3</b>	<b>0</b>	<b>285</b>	<b>378</b>
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	2	31	0	0	0	33	0	17	2	0	0	19	0	0	126	4	0	130	182
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	10	31	0	0	0	41	0	12	4	0	0	16	0	0	146	3	0	149	206
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	8	52	0	0	0	60	0	16	0	0	0	16	0	0	138	6	0	144	220
5:45 PM	0	0	0	1	0	1	0	0	0	0	0	0	5	35	0	0	0	40	0	15	3	0	0	18	0	0	130	6	0	136	195
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>149</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>174</b>	<b>0</b>	<b>60</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>69</b>	<b>0</b>	<b>0</b>	<b>540</b>	<b>19</b>	<b>0</b>	<b>559</b>	<b>803</b>
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	8	19	0	0	0	27	0	11	1	0	0	12	0	0	151	4	0	155	194
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	3	27	0	0	0	30	0	22	3	1	0	26	0	0	162	3	0	165	221
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	9	15	0	0	0	24	0	15	3	0	0	18	0	0	141	4	0	145	187
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	5	7	0	0	0	12	0	23	1	0	0	24	0	0	151	3	0	154	190
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>68</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>93</b>	<b>0</b>	<b>71</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>605</b>	<b>14</b>	<b>0</b>	<b>619</b>	<b>792</b>
7:00 PM	0	0	0	0	0	0	0	0	0	2	2	0	3	8	0	0	0	11	0	14	0	0	0	14	0	0	147	5	0	152	179
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	13	0	0	0	13	0	0	134	1	0	135	150
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>281</b>	<b>6</b>	<b>0</b>	<b>287</b>	<b>329</b>
<b>Grand Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>65</b>	<b>267</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>332</b>	<b>0</b>	<b>196</b>	<b>19</b>	<b>1</b>	<b>0</b>	<b>216</b>	<b>0</b>	<b>0</b>	<b>1708</b>	<b>42</b>	<b>0</b>	<b>1750</b>	<b>2302</b>	
Approach %	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	100.0		19.6	80.4	0.0	0.0	0.0		0.0	90.7	8.8	0.5	0.0		0.0	0.0	97.6	2.4	0.0			
Total %	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	2.8	11.6	0.0	0.0	0.0	14.4	0.0	8.5	0.8	0.0	0.0	9.4	0.0	0.0	74.2	1.8	0.0	76.0		
Exiting Leg Total	328						1973						0						0						1						2302
Cars	0	0	0	2	0	2	0	0	0	0	2	2	64	267	0	0	0	331	0	182	19	1	0	202	0	0	1660	41	0	1701	2238
% Cars	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	100.0	100.0	98.5	100.0	0.0	0.0	0.0	99.7	0.0	92.9	100.0	100.0	0.0	93.5	0.0	0.0	97.2	97.6	0.0	97.2		
Exiting Leg Total	327						1910						0						0						1						2238
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	14	0	0	0	14	0	0	48	1	0	49	64	
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.3	0.0	7.1	0.0	0.0	0.0	6.5	0.0	0.0	2.8	2.4	0.0	2.8	2.8	
Exiting Leg Total	1						63						0						0						0						64

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	8	52	0	0	0	60	0	16	0	0	0	16	0	0	138	6	0	144	220	
5:45 PM	0	0	0	1	0	1	0	0	0	0	0	5	35	0	0	0	40	0	15	3	0	0	18	0	0	130	6	0	136	195	
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	8	19	0	0	0	27	0	11	1	0	0	12	0	0	151	4	0	155	194	
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	3	27	0	0	0	30	0	22	3	1	0	26	0	0	162	3	0	165	221	
<b>Total Volume</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>133</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>157</b>	<b>0</b>	<b>64</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>72</b>	<b>0</b>	<b>0</b>	<b>581</b>	<b>19</b>	<b>0</b>	<b>600</b>	<b>830</b>	
% Approach Total	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	0.0	15.3	84.7	0.0	0.0	0.0		0.0	88.9	9.7	1.4	0.0		0.0	0.0	96.8	3.2	0.0			
PHF	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.750	0.639	0.000	0.000	0.000	0.654	0.000	0.727	0.583	0.250	0.000	0.692	0.000	0.000	0.897	0.792	0.000	0.909	0.939	
Cars	0	0	0	1	0	1	0	0	0	0	0	24	133	0	0	0	157	0	58	7	1	0	66	0	0	563	19	0	582	806	
Cars %	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0	0.0	0.0	0.0	100.0	0.0	90.6	100.0	100.0	0.0	91.7	0.0	0.0	96.9	100.0	0.0	97.0	97.1	
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6	0	0	18	0	0	18	24	
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	8.3	0.0	0.0	3.1	0.0	0.0	3.0	2.9	
Cars Enter Leg	0	0	0	1	0	1	0	0	0	0	0	24	133	0	0	0	157	0	58	7	1	0	66	0	0	563	19	0	582	806	
Heavy Enter Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6	0	0	18	0	0	18	24	
Total Entering Leg	0	0	0	1	0	1	0	0	0	0	0	24	133	0	0	0	157	0	64	7	1	0	72	0	0	581	19	0	600	830	
Cars Exiting Leg	159						646						0						0						1						806
Heavy Exiting Leg	0						24						0						0						0						24
Total Exiting Leg	159						670						0						0						1						830

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	1	0	1	0	0	0	0	0	0	5	17	0	0	0	22	0	25	1	0	0	26	0	0	145	1	0	146	195
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	6	24	0	0	0	30	0	11	1	0	0	12	0	0	127	2	0	129	171
Total	0	0	0	1	0	1	0	0	0	0	0	0	11	41	0	0	0	52	0	36	2	0	0	38	0	0	272	3	0	275	366
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	2	31	0	0	0	33	0	15	2	0	0	17	0	0	125	4	0	129	179
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	10	31	0	0	0	41	0	11	4	0	0	15	0	0	142	3	0	145	201
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	8	52	0	0	0	60	0	14	0	0	0	14	0	0	135	6	0	141	215
5:45 PM	0	0	0	1	0	1	0	0	0	0	0	0	5	35	0	0	0	40	0	13	3	0	0	16	0	0	120	6	0	126	183
Total	0	0	0	1	0	1	0	0	0	0	0	0	25	149	0	0	0	174	0	53	9	0	0	62	0	0	522	19	0	541	778
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	8	19	0	0	0	27	0	10	1	0	0	11	0	0	148	4	0	152	190
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	3	27	0	0	0	30	0	21	3	1	0	25	0	0	160	3	0	163	218
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	8	15	0	0	0	23	0	14	3	0	0	17	0	0	136	3	0	139	179
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	5	7	0	0	0	12	0	22	1	0	0	23	0	0	146	3	0	149	184
Total	0	0	0	0	0	0	0	0	0	0	0	0	24	68	0	0	0	92	0	67	8	1	0	76	0	0	590	13	0	603	771
7:00 PM	0	0	0	0	0	0	0	0	0	0	2	2	3	8	0	0	0	11	0	13	0	0	0	13	0	0	144	5	0	149	175
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	13	0	0	0	13	0	0	132	1	0	133	148
Total	0	0	0	0	0	0	0	0	0	0	2	2	4	9	0	0	0	13	0	26	0	0	0	26	0	0	276	6	0	282	323
Grand Total	0	0	0	2	0	2	0	0	0	0	2	2	64	267	0	0	0	331	0	182	19	1	0	202	0	0	1660	41	0	1701	2238
Approach %	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	100.0		19.3	80.7	0.0	0.0	0.0		0.0	90.1	9.4	0.5	0.0		0.0	0.0	97.6	2.4	0.0		
Total %	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.9	11.9	0.0	0.0	0.0	14.8	0.0	8.1	0.8	0.0	0.0	9.0	0.0	0.0	74.2	1.8	0.0	76.0	
Exiting Leg Total	327						1910						0						0						1		2238				

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	8	52	0	0	0	60	0	14	0	0	0	14	0	0	135	6	0	141	215
5:45 PM	0	0	0	1	0	1	0	0	0	0	0	0	5	35	0	0	0	40	0	13	3	0	0	16	0	0	120	6	0	126	183
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	8	19	0	0	0	27	0	10	1	0	0	11	0	0	148	4	0	152	190
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	3	27	0	0	0	30	0	21	3	1	0	25	0	0	160	3	0	163	218
Total Volume	0	0	0	1	0	1	0	0	0	0	0	0	24	133	0	0	0	157	0	58	7	1	0	66	0	0	563	19	0	582	806
% Approach Total	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	0.0		15.3	84.7	0.0	0.0	0.0		0.0	87.9	10.6	1.5	0.0		0.0	0.0	96.7	3.3	0.0		
PHF	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.639	0.000	0.000	0.000	0.654	0.000	0.690	0.583	0.250	0.000	0.660	0.000	0.000	0.880	0.792	0.000	0.893	0.924
Entering Leg	0	0	0	1	0	1	0	0	0	0	0	0	24	133	0	0	0	157	0	58	7	1	0	66	0	0	563	19	0	582	806
Exiting Leg	159						646						0						0						1		806				
Total	160						646						157						66						583		1612				



PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	0	2	3
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	8	0	0	8	9
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	10	0	0	10	12
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	1	0	0	1	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	4	0	0	4	5
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	3	0	0	3	5
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	10	0	0	10	12
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7	0	0	18	0	0	18	25
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	3	0	0	3	4
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	0	2	3
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	5	1	0	6	8
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	5	0	0	5	6
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	4	0	0	0	4	0	0	15	1	0	16	21
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	3	0	0	3	4
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	2
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	5	0	0	5	6
Grand Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	14	0	0	0	14	0	0	48	1	0	49	64
Approach %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	98.0	2.0	0.0			
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	1.6	0.0	21.9	0.0	0.0	0.0	21.9	0.0	0.0	75.0	1.6	0.0	76.6	
Exiting Leg Total	1						63						0						0						0						64
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	8	0	0	34	0	0	34	42
% Buses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.1	0.0	0.0	0.0	57.1	0.0	0.0	70.8	0.0	0.0	69.4	65.6	
Exiting Leg Total	0						42						0						0						0						42
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	6	0	0	0	6	0	0	12	1	0	13	20
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0	0.0	42.9	0.0	0.0	0.0	42.9	0.0	0.0	25.0	100.0	0.0	26.5	31.3	
Exiting Leg Total	1						19						0						0						0						20
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	4.1	3.1	
Exiting Leg Total	0						2						0						0						0						2

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	10	0	0	10	12
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	3	0	0	3	4
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	0	2	3
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	5	1	0	6	8
Total Volume	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	5	0	0	0	5	0	0	20	1	0	21	27
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	95.2	4.8	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.250	0.000	0.625	0.000	0.000	0.000	0.625	0.000	0.000	0.500	0.250	0.000	0.525	0.563	
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	0	15	0	0	15	18
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	60.0	0.0	0.0	75.0	0.0	0.0	71.4	66.7	
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	0	0	0	2	0	0	3	1	0	4	7
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0	0.0	40.0	0.0	0.0	0.0	40.0	0.0	0.0	15.0	100.0	0.0	19.0	25.9	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	9.5	7.4	

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM



**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	15	0	0	15	18
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2	0	0	0	2	0	0	3	1	0	4	7
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
<b>Total Entering Leg</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>27</b>
Buses						0						18						0						0	18						
Single-Unit Trucks						1						6						0						0	7						
Articulated Trucks						0						2						0						0	2						
<b>Total Exiting Leg</b>						<b>1</b>						<b>26</b>						<b>0</b>						<b>0</b>	<b>27</b>						

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Cars**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	1	0	1	0	0	0	0	0	0	5	17	0	0	0	22	0	24	1	0	0	25	0	0	140	1	0	141	189
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	6	24	0	0	0	30	0	11	1	0	0	12	0	0	120	2	0	122	164
Total	0	0	0	1	0	1	0	0	0	0	0	0	11	41	0	0	0	52	0	35	2	0	0	37	0	0	260	3	0	263	353
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	2	31	0	0	0	33	0	15	2	0	0	17	0	0	117	4	0	121	171
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	9	31	0	0	0	40	0	11	4	0	0	15	0	0	138	3	0	141	196
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	8	51	0	0	0	59	0	12	0	0	0	12	0	0	134	5	0	139	210
5:45 PM	0	0	0	1	0	1	0	0	0	0	0	0	4	34	0	0	0	38	0	13	3	0	0	16	0	0	114	6	0	120	175
Total	0	0	0	1	0	1	0	0	0	0	0	0	23	147	0	0	0	170	0	51	9	0	0	60	0	0	503	18	0	521	752
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	8	18	0	0	0	26	0	9	1	0	0	10	0	0	140	4	0	144	180
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	3	26	0	0	0	29	0	20	3	1	0	24	0	0	155	3	0	158	211
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	8	15	0	0	0	23	0	14	2	0	0	16	0	0	133	3	0	136	175
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	4	7	0	0	0	11	0	21	1	0	0	22	0	0	143	3	0	146	179
Total	0	0	0	0	0	0	0	0	0	0	0	0	23	66	0	0	0	89	0	64	7	1	0	72	0	0	571	13	0	584	745
7:00 PM	0	0	0	0	0	0	0	0	0	0	2	2	3	8	0	0	0	11	0	13	0	0	0	13	0	0	139	5	0	144	170
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	13	0	0	0	13	0	0	130	1	0	131	146
Total	0	0	0	0	0	0	0	0	0	0	2	2	4	9	0	0	0	13	0	26	0	0	0	26	0	0	269	6	0	275	316
Grand Total	0	0	0	2	0	2	0	0	0	0	2	2	61	263	0	0	0	324	0	176	18	1	0	195	0	0	1603	40	0	1643	2166
Approach %	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	100.0		18.8	81.2	0.0	0.0	0.0		0.0	90.3	9.2	0.5	0.0		0.0	0.0	97.6	2.4	0.0		
Total %	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	2.8	12.1	0.0	0.0	0.0	15.0	0.0	8.1	0.8	0.0	0.0	9.0	0.0	0.0	74.0	1.8	0.0	75.9	
Exiting Leg Total	321						1844						0						0						1	2166					

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	8	51	0	0	0	59	0	12	0	0	0	12	0	0	134	5	0	139	210
5:45 PM	0	0	0	1	0	1	0	0	0	0	0	0	4	34	0	0	0	38	0	13	3	0	0	16	0	0	114	6	0	120	175
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	8	18	0	0	0	26	0	9	1	0	0	10	0	0	140	4	0	144	180
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	3	26	0	0	0	29	0	20	3	1	0	24	0	0	155	3	0	158	211
Total Volume	0	0	0	1	0	1	0	0	0	0	0	0	23	129	0	0	0	152	0	54	7	1	0	62	0	0	543	18	0	561	776
% Approach Total	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	0.0		15.1	84.9	0.0	0.0	0.0		0.0	87.1	11.3	1.6	0.0		0.0	0.0	96.8	3.2	0.0		
PHF	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.719	0.632	0.000	0.000	0.000	0.644	0.000	0.675	0.583	0.250	0.000	0.646	0.000	0.000	0.876	0.750	0.000	0.888	0.919
Entering Leg	0	0	0	1	0	1	0	0	0	0	0	0	23	129	0	0	0	152	0	54	7	1	0	62	0	0	543	18	0	561	776
Exiting Leg	154						621						0						0						1	776					
Total	155						621						152						62						1	776					

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Light Goods Vehicle**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total	
	from North						from East						from Southeast						from South						from West							
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total		
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	5	0	0	5	6	
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	12	0	0	12	13	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	4	0	0	4	5	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	1	0	0	1	3	
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	6	0	0	6	8	
Total	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	4	0	1	0	0	0	1	0	0	19	0	0	19	24	
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	8	0	0	8	10	
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	5	0	0	5	7	
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	3	0	0	3	4	
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	1	0	0	1	0	0	1	3	
Total	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3	0	3	1	0	0	4	0	0	17	0	0	17	24	
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4	
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6	
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0	0	0	7	0	5	1	0	0	6	0	0	54	0	0	54	67	
Approach %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.9	57.1	0.0	0.0	0.0	0.0	83.3	16.7	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	6.0	0.0	0.0	0.0	10.4	0.0	7.5	1.5	0.0	0.0	9.0	0.0	0.0	80.6	0.0	0.0	80.6	0.0		
Exiting Leg Total	5						62						0						0						0	67						

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	6	0	0	6	8
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	8	0	0	8	10
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	5	0	0	5	7
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	3	0	0	3	4
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	4	0	2	1	0	0	3	0	0	22	0	0	22	29
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.250	0.750	0.0	0.0	0.0	0.000	0.500	0.250	0.000	0.000	0.750	0.000	0.000	0.688	0.000	0.000	0.688	0.725		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.750	0.000	0.000	0.000	0.000	0.500	0.250	0.000	0.000	0.750	0.000	0.000	0.688	0.000	0.000	0.688	0.725		
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	4	0	2	1	0	0	3	0	0	22	0	0	22	29
Exiting Leg	4						25						0						0						0	29					
Total	4						25						4						3						0	22					

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Buses**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0	2	3
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	5	0	0	5	6
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	7	0	0	7	9
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	2
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	9	0	0	9	10
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	13	0	0	13	16
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0	2	3
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	3	0	0	3	4
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	4	0	0	4	5
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	10	0	0	10	13
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	8	0	0	34	0	0	34	42
Approach %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0			
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	19.0	0.0	0.0	81.0	0.0	0.0	81.0		
Exiting Leg Total	0						42						0						0						0	42					

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total
	from North						from East						from Southeast						from South						from West						
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	2
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	9	0	0	9	10
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0	2	3
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	15	0	0	15	18
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0				
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.000	0.750	0.000	0.000	0.417	0.000	0.000	0.417	0.450	
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	15	0	0	15	18
Exiting Leg	0						18						0						0						0	18					
Total	0						18						0						3						0	36					



PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total						
	from North						from East						from Southeast						from South						from West												
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total							
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Approach %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0				
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0			
Exiting Leg Total	0						2						0						0						0						2						

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Pleasant Street						River Street						Cottage Street						Pleasant Street						River Street						Total						
	from North						from East						from Southeast						from South						from West												
	Right	Thru	Bear Left	Left	U-Turn	Total	Right	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Thru	Left	U-Turn	Total	Right	Bear Right	Thru	Left	U-Turn	Total							
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0				
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.500		
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Exiting Leg	0						2						0						0						0						2						
Total	0						2						0						0						0						2						4

PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Bicycles (on Roadway and Crosswalks)**

	Pleasant Street								River Street								Cottage Street								Pleasant Street								River Street								Total								
	from North								from East								from Southeast								from South								from West																
	Right	Thru	Bear Left	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	Hard Left	U-Turn	CW-SB	CW-NB	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	CW-SWB	CW-NEB	Total	Hard Right	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Bear Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total									
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	3	0	0	0	0	3	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	3	0	0	0	0	3	4								
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	4	0	0	0	0	4	6								
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	2								
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	3								
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	4								
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	5	0	0	0	0	5	6								
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	0	0	1	0	0	0	0	1	0	0	12	0	0	0	0	12	15								
6:00 PM	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	2	0	0	0	0	2	5								
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	4								
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	2	0	0	0	0	2	4								
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	1	2								
Total	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	3	0	0	0	0	0	3	0	0	9	0	0	0	0	9	15								
7:00 PM	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	3								
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	4	0	0	0	0	4	5								
Total	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	6	0	0	0	0	6	8								
Grand Total	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	4	0	6	1	0	0	0	0	7	0	0	31	0	0	0	0	31	44								
Approach %	0.0	0.0	0.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		75.0	25.0	0.0	0.0	0.0	0.0	0.0		0.0	85.7	14.3	0.0	0.0	0.0	0.0		0.0	0.0	100.0	0.0	0.0	0.0	0.0										
Total %	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	2.3	0.0	0.0	0.0	0.0	0.0	9.1	0.0	13.6	2.3	0.0	0.0	0.0	0.0	15.9	0.0	0.0	70.5	0.0	0.0	0.0	0.0	70.5									
Exiting Leg Total	4								40								0								0								44																

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Pleasant Street								River Street								Cottage Street								Pleasant Street								River Street								Total
	from North								from East								from Southeast								from South								from West								
	Right	Thru	Bear Left	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	Hard Left	U-Turn	CW-SB	CW-NB	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	CW-SWB	CW-NEB	Total	Hard Right	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Bear Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	4
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	5	0	0	0	0	5	6
6:00 PM	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	2	0	0	0	0	2	5
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	4
Total Volume	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	3	0	1	1	0	0	0	0	2	0	0	13	0	0	0	0	13	19
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		66.7	33.3	0.0	0.0	0.0	0.0	0.0		0.0	50.0	50.0	0.0	0.0	0.0	0.0		0.0	0.0	100.0	0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.250	0.000	0.000	0.000	0.000	0.375	0.000	0.250	0.250	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.650	0.000	0.000	0.000	0.000	0.650	0.792	
Entering Leg	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	3	0	1	1	0	0	0	0	2	0	0	13	0	0	0	0	13	19
Exiting Leg																									0								0								
Total	4								16								3								2								13								



PDI File #: 186591-29  
 Location: N: Pleasant Street S: Pleasant Street  
 Location: E: River Street W: River Street SE: Cottage Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



Pedestrians

	Pleasant Street								River Street								Cottage Street								Pleasant Street								River Street								Total			
	from North								from East								from Southeast								from South								from West											
	Right	Thru	Bear Left	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	Hard Left	U-Turn	CW-SB	CW-NB	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	CW-SWB	CW-NEB	Total	Hard Right	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Bear Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total				
4:30 PM	0	0	0	0	0	3	5	8	0	0	0	0	0	4	3	7	0	0	0	0	0	9	14	23	0	0	0	0	0	10	11	21	0	0	0	0	0	0	0	0	0	0	0	59
4:45 PM	0	0	0	0	0	8	5	13	0	0	0	0	0	2	0	2	0	0	0	0	0	12	5	17	0	0	0	0	0	8	10	18	0	0	0	0	0	1	0	1	0	1	51	
<b>Total</b>	0	0	0	0	0	11	10	21	0	0	0	0	0	6	3	9	0	0	0	0	0	21	19	40	0	0	0	0	0	18	21	39	0	0	0	0	0	1	0	1	0	1	110	
5:00 PM	0	0	0	0	0	3	5	8	0	0	0	0	0	1	0	1	0	0	0	0	0	13	7	20	0	0	0	0	0	17	6	23	0	0	0	0	0	1	0	1	0	1	53	
5:15 PM	0	0	0	0	0	6	10	16	0	0	0	0	0	0	0	0	0	0	0	0	7	7	14	0	0	0	0	0	16	17	33	0	0	0	0	0	0	0	1	1	0	1	64	
5:30 PM	0	0	0	0	0	5	9	14	0	0	0	0	0	2	0	2	0	0	0	0	0	13	5	18	0	0	0	0	0	21	11	32	0	0	0	0	0	0	0	0	0	0	66	
5:45 PM	0	0	0	0	0	8	7	15	0	0	0	0	0	3	3	6	0	0	0	0	0	14	15	29	0	0	0	0	0	18	15	33	0	0	0	0	0	1	0	1	0	1	84	
<b>Total</b>	0	0	0	0	0	22	31	53	0	0	0	0	0	6	3	9	0	0	0	0	0	47	34	81	0	0	0	0	0	72	49	121	0	0	0	0	0	2	1	3	0	3	267	
6:00 PM	0	0	0	0	0	6	6	12	0	0	0	0	0	4	0	4	0	0	0	0	0	19	11	30	0	0	0	0	0	14	12	26	0	0	0	0	0	0	0	0	0	0	72	
6:15 PM	0	0	0	0	0	4	5	9	0	0	0	0	0	0	2	2	0	0	0	0	0	10	10	20	0	0	0	0	0	13	6	19	0	0	0	0	0	0	0	0	0	0	50	
6:30 PM	0	0	0	0	0	3	2	5	0	0	0	0	0	2	0	2	0	0	0	0	0	12	11	23	0	0	0	0	0	15	9	24	0	0	0	0	0	2	0	2	0	2	56	
6:45 PM	0	0	0	0	0	2	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	6	0	0	0	0	0	9	9	18	0	0	0	0	0	2	1	3	0	3	34	
<b>Total</b>	0	0	0	0	0	15	18	33	0	0	0	0	0	6	2	8	0	0	0	0	0	46	33	79	0	0	0	0	0	51	36	87	0	0	0	0	0	4	1	5	0	5	212	
7:00 PM	0	0	0	0	0	4	7	11	0	0	0	0	0	1	3	4	0	0	0	0	0	8	4	12	0	0	0	0	0	13	9	22	0	0	0	0	0	1	0	1	0	1	50	
7:15 PM	0	0	0	0	0	1	5	6	0	0	0	0	0	1	0	1	0	0	0	0	0	10	2	12	0	0	0	0	0	8	4	12	0	0	0	0	0	0	0	0	0	0	31	
<b>Total</b>	0	0	0	0	0	5	12	17	0	0	0	0	0	2	3	5	0	0	0	0	0	18	6	24	0	0	0	0	0	21	13	34	0	0	0	0	0	1	0	1	0	1	81	
<b>Grand Total</b>	0	0	0	0	0	53	71	124	0	0	0	0	0	20	11	31	0	0	0	0	0	132	92	224	0	0	0	0	0	162	119	281	0	0	0	0	0	8	2	10	0	10	670	
<b>Approach %</b>	0	0	0	0	0	42.7	57.3		0	0	0	0	0	64.5	35.5		0	0	0	0	0	58.9	41.1		0	0	0	0	57.7	42.3		0	0	0	0	0	80	20						
<b>Total %</b>	0	0	0	0	0	7.91	10.6	18.5	0	0	0	0	0	2.99	1.64	4.63	0	0	0	0	0	19.7	13.7	33.4	0	0	0	0	24.2	17.8	41.9	0	0	0	0	0	1.19	0.3	1.49					
<b>Exiting Leg Total</b>	124								31								224								281								10								670			

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

5:15 PM	Pleasant Street								River Street								Cottage Street								Pleasant Street								River Street								Total				
	from North								from East								from Southeast								from South								from West												
	Right	Thru	Bear Left	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	Hard Left	U-Turn	CW-SB	CW-NB	Total	Hard Right	Bear Right	Bear Left	Hard Left	U-Turn	CW-SWB	CW-NEB	Total	Hard Right	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Bear Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total					
5:15 PM	0	0	0	0	0	6	10	16	0	0	0	0	0	0	0	0	0	0	0	0	7	7	14	0	0	0	0	0	16	17	33	0	0	0	0	0	0	0	1	1	0	1	64		
5:30 PM	0	0	0	0	0	5	9	14	0	0	0	0	0	2	0	2	0	0	0	0	0	13	5	18	0	0	0	0	0	21	11	32	0	0	0	0	0	0	0	0	0	0	66		
5:45 PM	0	0	0	0	0	8	7	15	0	0	0	0	0	3	3	6	0	0	0	0	0	14	15	29	0	0	0	0	0	18	15	33	0	0	0	0	0	1	0	1	0	1	84		
6:00 PM	0	0	0	0	0	6	6	12	0	0	0	0	0	4	0	4	0	0	0	0	0	19	11	30	0	0	0	0	0	14	12	26	0	0	0	0	0	0	0	0	0	0	72		
<b>Total Volume</b>	0	0	0	0	0	25	32	57	0	0	0	0	0	9	3	12	0	0	0	0	0	53	38	91	0	0	0	0	0	69	55	124	0	0	0	0	0	1	1	1	2	0	2	286	
<b>% Approach Total</b>	0.0	0.0	0.0	0.0	0.0	43.9	56.1		0.0	0.0	0.0	0.0	0.0	75.0	25.0		0.0	0.0	0.0	0.0	0.0	58.2	41.8		0.0	0.0	0.0	0.0	0.0	55.6	44.4		0.0	0.0	0.0	0.0	0.0	50.0	50.0						
<b>PHF</b>	0.000	0.000	0.000	0.000	0.000	0.781	0.800	0.891	0.000	0.000	0.000	0.000	0.000	0.563	0.250	0.500	0.000	0.000	0.000	0.000	0.000	0.697	0.633	0.758	0.000	0.000	0.000	0.000	0.000	0.821	0.809	0.939	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.500					0.851
<b>Entering Leg</b>	0	0	0	0	0	25	32	57	0	0	0	0	0	9	3	12	0	0	0	0	0	53	38	91	0	0	0	0	0	69	55	124	0	0	0	0	0	1	1	1	2	0	2	286	
<b>Exiting Leg</b>	57								12								91								124								2								286				
<b>Total</b>	114								24								182								248								4								572				

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	157	2	0	159	166
7:15 AM	0	1	1	0	2	0	0	0	0	0	0	5	0	0	5	1	150	4	0	155	162
7:30 AM	0	1	2	0	3	0	0	0	0	0	0	6	0	0	6	0	152	0	0	152	161
7:45 AM	0	1	3	0	4	0	0	0	0	0	0	11	0	0	12	2	177	3	0	182	198
<b>Total</b>	0	3	6	0	9	0	0	0	0	0	0	29	0	0	30	3	636	9	0	648	687
8:00 AM	0	1	3	0	4	0	0	0	0	0	0	11	0	0	11	4	145	0	0	149	164
8:15 AM	0	2	0	0	2	0	0	0	0	0	0	10	0	0	11	2	147	1	0	150	163
8:30 AM	0	0	5	0	5	0	0	0	0	0	0	12	0	0	12	1	151	2	0	154	171
8:45 AM	0	1	3	0	4	0	0	0	0	0	0	15	0	0	15	2	153	1	0	156	175
<b>Total</b>	0	4	11	0	15	0	0	0	0	0	0	48	0	0	49	9	596	4	0	609	673
9:00 AM	0	0	1	0	1	0	0	0	0	0	0	11	0	0	11	0	170	3	0	173	185
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	181	2	0	183	188
9:30 AM	0	0	1	0	1	0	0	0	0	0	0	3	0	0	3	0	170	7	0	177	181
9:45 AM	0	1	4	0	5	0	0	0	0	0	0	5	0	0	5	1	171	3	0	175	185
<b>Total</b>	0	1	6	0	7	0	0	0	0	0	0	24	0	0	24	1	692	15	0	708	739
Grand Total	0	8	23	0	31	0	0	0	0	0	0	101	0	0	103	13	1924	28	0	1965	2099
Approach %	0.0	25.8	74.2	0.0		0.0	0.0	0.0	0.0		1.9	98.1	0.0	0.0		0.7	97.9	1.4	0.0		
Total %	0.0	0.4	1.1	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.1	4.8	0.0	0.0	4.9	0.6	91.7	1.3	0.0	93.6	
Exiting Leg Total	129					1949					21					0					2099
Cars	0	8	21	0	29	0	0	0	0	0	2	99	0	0	101	12	1791	24	0	1827	1957
% Cars	0.0	100.0	91.3	0.0	93.5	0.0	0.0	0.0	0.0	0.0	100.0	98.0	0.0	0.0	98.1	92.3	93.1	85.7	0.0	93.0	93.2
Exiting Leg Total	123					1814					20					0					1957
Heavy Vehicles	0	0	2	0	2	0	0	0	0	0	0	2	0	0	2	1	133	4	0	138	142
% Heavy Vehicles	0.0	0.0	8.7	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.9	7.7	6.9	14.3	0.0	7.0	6.8
Exiting Leg Total	6					135					1					0					142

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

9:00 AM	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	0	1	0	1	0	0	0	0	0	0	11	0	0	11	0	170	3	0	173	185
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	181	2	0	183	188
9:30 AM	0	0	1	0	1	0	0	0	0	0	0	3	0	0	3	0	170	7	0	177	181
9:45 AM	0	1	4	0	5	0	0	0	0	0	0	5	0	0	5	1	171	3	0	175	185
<b>Total Volume</b>	0	1	6	0	7	0	0	0	0	0	0	24	0	0	24	1	692	15	0	708	739
% Approach Total	0.0	14.3	85.7	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.1	97.7	2.1	0.0		
PHF	0.000	0.250	0.375	0.000	0.350	0.000	0.000	0.000	0.000	0.000	0.000	0.545	0.000	0.000	0.545	0.250	0.956	0.536	0.000	0.967	0.983
Cars	0	1	5	0	6	0	0	0	0	0	0	24	0	0	24	1	647	14	0	662	692
Cars %	0.0	100.0	83.3	0.0	85.7	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	100.0	93.5	93.3	0.0	93.5	93.6
Heavy Vehicles	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	0	45	1	0	46	47
Heavy Vehicles %	0.0	0.0	16.7	0.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	6.7	0.0	6.5	6.4
Cars Enter Leg	0	1	5	0	6	0	0	0	0	0	0	24	0	0	24	1	647	14	0	662	692
Heavy Entering Leg	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	0	45	1	0	46	47
<b>Total Entering Leg</b>	0	1	6	0	7	0	0	0	0	0	0	24	0	0	24	1	692	15	0	708	739
Cars Exiting Leg	38					652					2					0					692
Heavy Exiting Leg	1					46					0					0					47
<b>Total Exiting Leg</b>	39					698					2					0					739

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	149	2	0	151	158
7:15 AM	0	1	1	0	2	0	0	0	0	0	0	4	0	0	4	0	136	3	0	139	145
7:30 AM	0	1	2	0	3	0	0	0	0	0	0	5	0	0	5	0	139	0	0	139	147
7:45 AM	0	1	3	0	4	0	0	0	0	0	1	11	0	0	12	2	164	2	0	168	184
<b>Total</b>	0	3	6	0	9	0	0	0	0	0	1	27	0	0	28	2	588	7	0	597	634
8:00 AM	0	1	3	0	4	0	0	0	0	0	0	11	0	0	11	4	137	0	0	141	156
8:15 AM	0	2	0	0	2	0	0	0	0	0	1	10	0	0	11	2	136	0	0	138	151
8:30 AM	0	0	4	0	4	0	0	0	0	0	0	12	0	0	12	1	139	2	0	142	158
8:45 AM	0	1	3	0	4	0	0	0	0	0	0	15	0	0	15	2	144	1	0	147	166
<b>Total</b>	0	4	10	0	14	0	0	0	0	0	1	48	0	0	49	9	556	3	0	568	631
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	0	161	2	0	163	174
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	167	2	0	169	174
9:30 AM	0	0	1	0	1	0	0	0	0	0	0	3	0	0	3	0	158	7	0	165	169
9:45 AM	0	1	4	0	5	0	0	0	0	0	0	5	0	0	5	1	161	3	0	165	175
<b>Total</b>	0	1	5	0	6	0	0	0	0	0	0	24	0	0	24	1	647	14	0	662	692
Grand Total	0	8	21	0	29	0	0	0	0	0	2	99	0	0	101	12	1791	24	0	1827	1957
Approach %	0.0	27.6	72.4	0.0		0.0	0.0	0.0	0.0		2.0	98.0	0.0	0.0		0.7	98.0	1.3	0.0		
Total %	0.0	0.4	1.1	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.1	5.1	0.0	0.0	5.2	0.6	91.5	1.2	0.0	93.4	
Exiting Leg Total	123					1814					20					0					1957

**Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	0	161	2	0	163	174
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	167	2	0	169	174
9:30 AM	0	0	1	0	1	0	0	0	0	0	0	3	0	0	3	0	158	7	0	165	169
9:45 AM	0	1	4	0	5	0	0	0	0	0	0	5	0	0	5	1	161	3	0	165	175
<b>Total Volume</b>	0	1	5	0	6	0	0	0	0	0	0	24	0	0	24	1	647	14	0	662	692
% Approach Total	0.0	16.7	83.3	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.2	97.7	2.1	0.0		
PHF	0.000	0.250	0.313	0.000	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.545	0.000	0.000	0.545	0.250	0.969	0.500	0.000	0.979	0.989
Entering Leg	0	1	5	0	6	0	0	0	0	0	0	24	0	0	24	1	647	14	0	662	692
Exiting Leg	38					652					2					0					692
<b>Total</b>	44					652					26					662					1384

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	14	1	0	16	17
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	13	0	0	13	14
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1	0	14	14
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	48	2	0	51	53
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1	0	12	12
8:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	13
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
<b>Total</b>	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	40	1	0	41	42
9:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	9	1	0	10	11
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	10
<b>Total</b>	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	45	1	0	46	47
Grand Total	0	0	2	0	2	0	0	0	0	0	0	2	0	0	2	1	133	4	0	138	142
Approach %	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.7	96.4	2.9	0.0		
Total %	0.0	0.0	1.4	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	1.4	0.7	93.7	2.8	0.0	97.2	
Exiting Leg Total	6					135					1					0					142
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	3	0	45	45
% Buses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.6	75.0	0.0	32.6	31.7
Exiting Leg Total	3					42					0					0					45
Single-Unit Trucks	0	0	2	0	2	0	0	0	0	0	0	2	0	0	2	1	82	1	0	84	88
% Single-Unit	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	100.0	61.7	25.0	0.0	60.9	62.0
Exiting Leg Total	3					84					1					0					88
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	6.5	6.3
Exiting Leg Total	0					9					0					0					9

**Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	14	1	0	16	17
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	13	0	0	13	14
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1	0	14	14
<b>Total Volume</b>	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	48	2	0	51	53
<b>% Approach Total</b>	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		2.0	94.1	3.9	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.250	0.857	0.500	0.000	0.797	0.779
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	2	0	14	14
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	100.0	0.0	27.5	26.4
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	33	0	0	34	36
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	100.0	68.8	0.0	0.0	66.7	67.9
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	5.9	5.7
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	2	0	14	14
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	33	0	0	34	36
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
<b>Total Entering Leg</b>	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	48	2	0	51	53
Buses	2					12					0					0					14
Single-Unit Trucks	2					33					1					0					36
Articulated Trucks	0					3					0					0					3
<b>Total Exiting Leg</b>	4					48					1					0					53

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	132	0	0	132	139
7:15 AM	0	0	1	0	1	0	0	0	0	0	0	4	0	0	4	0	116	2	0	118	123
7:30 AM	0	1	2	0	3	0	0	0	0	0	0	5	0	0	5	0	127	0	0	127	135
7:45 AM	0	1	3	0	4	0	0	0	0	0	1	10	0	0	11	2	149	2	0	153	168
<b>Total</b>	0	2	6	0	8	0	0	0	0	0	1	26	0	0	27	2	524	4	0	530	565
8:00 AM	0	1	3	0	4	0	0	0	0	0	0	11	0	0	11	4	131	0	0	135	150
8:15 AM	0	2	0	0	2	0	0	0	0	0	1	10	0	0	11	2	123	0	0	125	138
8:30 AM	0	0	4	0	4	0	0	0	0	0	0	12	0	0	12	1	132	2	0	135	151
8:45 AM	0	1	3	0	4	0	0	0	0	0	0	14	0	0	14	2	135	1	0	138	156
<b>Total</b>	0	4	10	0	14	0	0	0	0	0	1	47	0	0	48	9	521	3	0	533	595
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	0	148	2	0	150	161
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	145	2	0	147	152
9:30 AM	0	0	1	0	1	0	0	0	0	0	0	3	0	0	3	0	142	4	0	146	150
9:45 AM	0	1	3	0	4	0	0	0	0	0	0	5	0	0	5	1	144	3	0	148	157
<b>Total</b>	0	1	4	0	5	0	0	0	0	0	0	24	0	0	24	1	579	11	0	591	620
Grand Total	0	7	20	0	27	0	0	0	0	0	2	97	0	0	99	12	1624	18	0	1654	1780
Approach %	0.0	25.9	74.1	0.0		0.0	0.0	0.0	0.0		2.0	98.0	0.0	0.0		0.7	98.2	1.1	0.0		
Total %	0.0	0.4	1.1	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.1	5.4	0.0	0.0	5.6	0.7	91.2	1.0	0.0	92.9	
Exiting Leg Total	115					1646					19					0					1780

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:30 AM	0	0	4	0	4	0	0	0	0	0	0	12	0	0	12	1	132	2	0	135	151
8:45 AM	0	1	3	0	4	0	0	0	0	0	0	14	0	0	14	2	135	1	0	138	156
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	0	148	2	0	150	161
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	145	2	0	147	152
<b>Total Volume</b>	0	1	7	0	8	0	0	0	0	0	0	42	0	0	42	3	560	7	0	570	620
% Approach Total	0.0	12.5	87.5	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.5	98.2	1.2	0.0		
PHF	0.000	0.250	0.438	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.750	0.375	0.946	0.875	0.000	0.950	0.963
Entering Leg	0	1	7	0	8	0	0	0	0	0	0	42	0	0	42	3	560	7	0	570	620
Exiting Leg	49					567					4					0					620
<b>Total</b>	57					567					46					570					1240

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Light Goods Vehicle**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	2	0	19	19
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	20	1	0	21	22
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	15	0	0	15	16
<b>Total</b>	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	64	3	0	67	69
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	13	13
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	9	0	0	9	10
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	35	0	0	35	36
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	21	21
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	3	0	19	19
9:45 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	17	0	0	17	18
<b>Total</b>	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	66	3	0	69	70
Grand Total	0	1	1	0	2	0	0	0	0	0	0	2	0	0	2	0	165	6	0	171	175
Approach %	0.0	50.0	50.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	96.5	3.5	0.0		
Total %	0.0	0.6	0.6	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.1	0.0	94.3	3.4	0.0	97.7	
Exiting Leg Total	8					166					1					0					175

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	21	21
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	3	0	19	19
9:45 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	17	0	0	17	18
<b>Total Volume</b>	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	66	3	0	69	70
% Approach Total	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	95.7	4.3	0.0		
PHF	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.786	0.250	0.000	0.821	0.833
Entering Leg	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	66	3	0	69	70
Exiting Leg																0					70
<b>Total</b>	4					67					0					69					140

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	4
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	4
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	6	0	0	0	0	0	6
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	2	0	14	0	0	0	0	0	14
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	3
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	6	0	0	0	0	0	6
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	7
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	5
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	1	0	21	0	0	0	0	0	21
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	3
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	3
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	10
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	3	0	45	0	0	0	0	0	45
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	93.3	6.7	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	93.3	6.7	0.0	100.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total						3					42					0					45					

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:45 AM	Kinnaird Street					River Street					Kinnaird Street					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	6	0	0	0	0	0	6
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	3
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	6	0	0	0	0	0	6
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	7
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	2	0	22	0	0	0	0	0	22
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.9	9.1	0.0		0.0	0.0	0.0	0.0	0.0	
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.714	0.500	0.000	0.786	0.000	0.000	0.000	0.000	0.000	0.786
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	2	0	22	0	0	0	0	0	22
Exiting Leg																20					22					
Total						2					20					0					44					

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7					
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	10	0	0	11	12					
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	8	0	0	8	9					
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8					
Total	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	33	0	0	34	36					
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5					
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6					
8:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	6					
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3					
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	19	0	0	19	20					
9:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	7	1	0	8	9					
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	10					
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7					
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6					
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	30	1	0	31	32					
Grand Total	0	0	2	0	2	0	0	0	0	0	0	2	0	0	2	1	82	1	0	84	88					
Approach %	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		1.2	97.6	1.2	0.0							
Total %	0.0	0.0	2.3	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	2.3	1.1	93.2	1.1	0.0	95.5						
Exiting Leg Total						3					84					1					0					88

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:00 AM	Kinnaird Street					River Street					Kinnaird Street					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7					
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	10	0	0	11	12					
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	8	0	0	8	9					
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8					
Total Volume	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	33	0	0	34	36					
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		2.9	97.1	0.0	0.0							
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.250	0.825	0.000	0.000	0.773	0.750					
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	33	0	0	34	36					
Exiting Leg						2					33					1					0	36				
Total						2					33					3					34					72



PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					9					0					0					9

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.625	0.625
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Exiting Leg	0					5					0					0					5
Total	0					5					0					5					10

PDI File #: 186591-30  
 Location: N: Kinnaird Street S: Kinnaird Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Kinnaird Street								River Street								Kinnaird Street								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	2
7:15 AM	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	1	3	
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7	7	
Total	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	10	0	0	0	0	10	13	
8:00 AM	0	0	3	0	0	0	3	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	1	0	8	0	0	0	0	0	8	13	
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	14	14	
8:30 AM	0	3	2	0	0	0	5	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	0	3	0	0	0	0	3	11		
8:45 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	6		
Total	0	3	5	0	0	0	8	0	1	0	0	1	0	2	0	4	0	0	0	0	0	0	4	0	30	0	0	0	0	30	44		
9:00 AM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	1	4	0	7	0	0	0	0	0	7	12			
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6	6			
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	2			
9:45 AM	0	0	1	0	0	0	1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	1	4	4		
Total	0	0	2	0	0	0	2	1	0	0	0	0	0	1	0	4	0	0	0	0	1	5	0	16	0	0	0	0	16	24			
Grand Total	0	3	7	0	0	1	11	1	1	0	0	1	0	3	0	10	0	0	0	1	11	0	56	0	0	0	0	56	81				
Approach %	0.0	27.3	63.6	0.0	0.0	9.1		33.3	33.3	0.0	0.0	33.3	0.0		0.0	90.9	0.0	0.0	0.0	9.1		0.0	100.0	0.0	0.0	0.0	0.0						
Total %	0.0	3.7	8.6	0.0	0.0	1.2	13.6	1.2	1.2	0.0	0.0	1.2	0.0	3.7	0.0	12.3	0.0	0.0	0.0	1.2	13.6	0.0	69.1	0.0	0.0	0.0	0.0	69.1					
Exiting Leg Total	12								64								4								1								81

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street								River Street								Kinnaird Street								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7	7			
8:00 AM	0	0	3	0	0	0	3	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	0	8	0	0	0	0	8	13			
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	14	14			
8:30 AM	0	3	2	0	0	0	5	0	0	0	0	0	0	0	3	0	0	0	0	0	3	0	3	0	0	0	0	3	11				
Total Volume	0	3	5	0	0	0	8	0	0	0	0	1	0	1	0	4	0	0	0	0	4	0	32	0	0	0	0	32	45				
% Approach Total	0.0	37.5	62.5	0.0	0.0	0.0		0.0	0.0	0.0	0.0	100.0	0.0		0.0	100.0	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0	0.0	0.0						
PHF	0.000	0.250	0.417	0.000	0.000	0.000	0.400	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.333	0.000	0.000	0.000	0.000	0.333	0.000	0.571	0.000	0.000	0.000	0.000	0.571	0.804				
Entering Leg	0	3	5	0	0	0	8	0	0	0	0	1	0	1	0	4	0	0	0	0	4	0	32	0	0	0	0	32	45				
Exiting Leg	4								38								3								0								45
Total	12								39								7								32								90

PDI File #: 186591-30  
 Location: N: Kinnaird Street S: Kinnaird Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Kinnaird Street							River Street							Kinnaird Street							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	8	3	11	0	0	0	0	1	0	1	0	0	0	0	2	5	7	0	0	0	0	0	0	0	19
7:15 AM	0	0	0	0	7	2	9	0	0	0	0	0	1	1	0	0	0	0	2	6	8	0	0	0	0	1	0	1	19
7:30 AM	0	0	0	0	3	2	5	0	0	0	0	0	0	0	0	0	0	0	2	12	14	0	0	0	0	0	2	2	21
7:45 AM	0	0	0	0	8	4	12	0	0	0	0	4	0	4	0	0	0	0	4	13	17	0	0	0	0	4	1	5	38
Total	0	0	0	0	26	11	37	0	0	0	0	5	1	6	0	0	0	0	10	36	46	0	0	0	0	5	3	8	97
8:00 AM	0	0	0	0	10	5	15	0	0	0	0	2	2	4	0	0	0	0	3	9	12	0	0	0	0	1	3	4	35
8:15 AM	0	0	0	0	3	0	3	0	0	0	0	3	0	3	0	0	0	0	8	12	20	0	0	0	0	2	1	3	29
8:30 AM	0	0	0	0	11	8	19	0	0	0	0	4	2	6	0	0	0	0	4	9	13	0	0	0	0	3	17	20	58
8:45 AM	0	0	0	0	11	3	14	0	0	0	0	2	4	6	0	0	0	0	3	14	17	0	0	0	0	5	11	16	53
Total	0	0	0	0	35	16	51	0	0	0	0	11	8	19	0	0	0	0	18	44	62	0	0	0	0	11	32	43	175
9:00 AM	0	0	0	0	5	4	9	0	0	0	0	1	1	2	0	0	0	0	4	11	15	0	0	0	0	1	1	2	28
9:15 AM	0	0	0	0	3	2	5	0	0	0	0	1	2	3	0	0	0	0	4	3	7	0	0	0	0	1	2	3	18
9:30 AM	0	0	0	0	6	7	13	0	0	0	0	1	2	3	0	0	0	0	7	9	16	0	0	0	0	0	0	0	32
9:45 AM	0	0	0	0	3	3	6	0	0	0	0	1	1	2	0	0	0	0	2	5	7	0	0	0	0	0	1	1	16
Total	0	0	0	0	17	16	33	0	0	0	0	4	6	10	0	0	0	0	17	28	45	0	0	0	0	2	4	6	94
Grand Total	0	0	0	0	78	43	121	0	0	0	0	20	15	35	0	0	0	0	45	108	153	0	0	0	0	18	39	57	366
Approach %	0	0	0	0	64.5	35.5		0	0	0	0	57.1	42.9		0	0	0	0	29.4	70.6		0	0	0	0	31.6	68.4		
Total %	0	0	0	0	21.3	11.7	33.1	0	0	0	0	5.46	4.1	9.56	0	0	0	0	12.3	29.5	41.8	0	0	0	0	4.92	10.7	15.6	
Exiting Leg Total	121							35							153							57							366

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street							River Street							Kinnaird Street							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:00 AM	0	0	0	0	10	5	15	0	0	0	0	2	2	4	0	0	0	0	3	9	12	0	0	0	0	1	3	4	35
8:15 AM	0	0	0	0	3	0	3	0	0	0	0	3	0	3	0	0	0	0	8	12	20	0	0	0	0	2	1	3	29
8:30 AM	0	0	0	0	11	8	19	0	0	0	0	4	2	6	0	0	0	0	4	9	13	0	0	0	0	3	17	20	58
8:45 AM	0	0	0	0	11	3	14	0	0	0	0	2	4	6	0	0	0	0	3	14	17	0	0	0	0	5	11	16	53
Total Volume	0	0	0	0	35	16	51	0	0	0	0	11	8	19	0	0	0	0	18	44	62	0	0	0	0	11	32	43	175
% Approach Total	0.0	0.0	0.0	0.0	68.6	31.4		0.0	0.0	0.0	0.0	57.9	42.1		0.0	0.0	0.0	0.0	29.0	71.0		0.0	0.0	0.0	0.0	25.6	74.4		
PHF	0.000	0.000	0.000	0.000	0.795	0.500	0.671	0.000	0.000	0.000	0.000	0.688	0.500	0.792	0.000	0.000	0.000	0.000	0.563	0.786	0.775	0.000	0.000	0.000	0.000	0.550	0.471	0.538	0.754
Entering Leg	0	0	0	0	35	16	51	0	0	0	0	11	8	19	0	0	0	0	18	44	62	0	0	0	0	11	32	43	175
Exiting Leg	51							19							62							43							175
Total	102							38							124							86							350

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	2	1	0	3	0	0	0	0	0	0	14	0	0	14	0	147	4	0	151	168
4:45 PM	0	1	2	0	3	0	0	0	0	0	0	15	0	0	15	0	140	6	0	146	164
Total	0	3	3	0	6	0	0	0	0	0	0	29	0	0	29	0	287	10	0	297	332
5:00 PM	0	0	2	0	2	0	0	0	0	0	0	19	0	0	19	2	130	1	0	133	154
5:15 PM	0	0	3	0	3	0	0	0	0	0	1	33	0	0	34	0	144	8	0	152	189
5:30 PM	0	0	2	0	2	0	0	0	0	0	0	29	0	0	29	0	140	7	0	147	178
5:45 PM	0	1	1	0	2	0	0	0	0	0	2	44	0	0	46	1	133	6	0	140	188
Total	0	1	8	0	9	0	0	0	0	0	3	125	0	0	128	3	547	22	0	572	709
6:00 PM	0	0	3	0	3	0	0	0	0	0	1	18	0	0	19	2	151	4	0	157	179
6:15 PM	0	1	5	0	6	1	0	0	0	1	0	21	0	0	21	1	161	5	0	167	195
6:30 PM	0	1	1	0	2	0	0	0	0	0	0	18	0	0	18	0	146	6	0	152	172
6:45 PM	0	1	0	0	1	0	0	0	0	0	0	19	0	0	19	1	152	4	0	157	177
Total	0	3	9	0	12	1	0	0	0	1	1	76	0	0	77	4	610	19	0	633	723
7:00 PM	0	0	6	0	6	0	0	0	0	0	0	8	0	0	8	1	147	1	0	149	163
7:15 PM	0	1	1	0	2	0	0	0	0	0	0	6	0	0	6	0	134	4	0	138	146
Total	0	1	7	0	8	0	0	0	0	0	0	14	0	0	14	1	281	5	0	287	309
Grand Total	0	8	27	0	35	1	0	0	0	1	4	244	0	0	248	8	1725	56	0	1789	2073
Approach %	0.0	22.9	77.1	0.0		100.0	0.0	0.0	0.0		1.6	98.4	0.0	0.0		0.4	96.4	3.1	0.0		
Total %	0.0	0.4	1.3	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.2	11.8	0.0	0.0	12.0	0.4	83.2	2.7	0.0	86.3	
Exiting Leg Total	301					1756					16					0					2073
Cars	0	8	27	0	35	1	0	0	0	1	4	244	0	0	248	8	1676	53	0	1737	2021
% Cars	0.0	100.0	100.0	0.0	100.0	100.0	0.0	0.0	0.0	100.0	100.0	100.0	0.0	0.0	100.0	100.0	97.2	94.6	0.0	97.1	97.5
Exiting Leg Total	298					1707					16					0					2021
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	3	0	52	52
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	5.4	0.0	2.9	2.5
Exiting Leg Total	3					49					0					0					52

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	2	0	2	0	0	0	0	0	0	29	0	0	29	0	140	7	0	147	178
5:45 PM	0	1	1	0	2	0	0	0	0	0	2	44	0	0	46	1	133	6	0	140	188
6:00 PM	0	0	3	0	3	0	0	0	0	0	1	18	0	0	19	2	151	4	0	157	179
6:15 PM	0	1	5	0	6	1	0	0	0	1	0	21	0	0	21	1	161	5	0	167	195
Total Volume	0	2	11	0	13	1	0	0	0	1	3	112	0	0	115	4	585	22	0	611	740
% Approach Total	0.0	15.4	84.6	0.0		100.0	0.0	0.0	0.0		2.6	97.4	0.0	0.0		0.7	95.7	3.6	0.0		
PHF	0.000	0.500	0.550	0.000	0.542	0.250	0.000	0.000	0.000	0.250	0.375	0.636	0.000	0.000	0.625	0.500	0.908	0.786	0.000	0.915	0.949
Cars	0	2	11	0	13	1	0	0	0	1	3	112	0	0	115	4	567	21	0	592	721
Cars %	0.0	100.0	100.0	0.0	100.0	100.0	0.0	0.0	0.0	100.0	100.0	100.0	0.0	0.0	100.0	100.0	96.9	95.5	0.0	96.9	97.4
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	1	0	19	19
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	4.5	0.0	3.1	2.6
Cars Enter Leg	0	2	11	0	13	1	0	0	0	1	3	112	0	0	115	4	567	21	0	592	721
Heavy Enter Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	1	0	19	19
Total Entering Leg	0	2	11	0	13	1	0	0	0	1	3	112	0	0	115	4	585	22	0	611	740
Cars Exiting Leg	134					581					6					0					721
Heavy Exiting Leg	1					18					0					0					19
Total Exiting Leg	135					599					6					0					740

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	2	1	0	3	0	0	0	0	0	0	14	0	0	14	0	145	3	0	148	165
4:45 PM	0	1	2	0	3	0	0	0	0	0	0	15	0	0	15	0	131	6	0	137	155
Total	0	3	3	0	6	0	0	0	0	0	0	29	0	0	29	0	276	9	0	285	320
5:00 PM	0	0	2	0	2	0	0	0	0	0	0	19	0	0	19	2	129	1	0	132	153
5:15 PM	0	0	3	0	3	0	0	0	0	0	1	33	0	0	34	0	140	7	0	147	184
5:30 PM	0	0	2	0	2	0	0	0	0	0	0	29	0	0	29	0	137	7	0	144	175
5:45 PM	0	1	1	0	2	0	0	0	0	0	2	44	0	0	46	1	123	6	0	130	178
Total	0	1	8	0	9	0	0	0	0	0	3	125	0	0	128	3	529	21	0	553	690
6:00 PM	0	0	3	0	3	0	0	0	0	0	1	18	0	0	19	2	148	4	0	154	176
6:15 PM	0	1	5	0	6	1	0	0	0	1	0	21	0	0	21	1	159	4	0	164	192
6:30 PM	0	1	1	0	2	0	0	0	0	0	0	18	0	0	18	0	141	6	0	147	167
6:45 PM	0	1	0	0	1	0	0	0	0	0	0	19	0	0	19	1	147	4	0	152	172
Total	0	3	9	0	12	1	0	0	0	1	1	76	0	0	77	4	595	18	0	617	707
7:00 PM	0	0	6	0	6	0	0	0	0	0	0	8	0	0	8	1	144	1	0	146	160
7:15 PM	0	1	1	0	2	0	0	0	0	0	0	6	0	0	6	0	132	4	0	136	144
Total	0	1	7	0	8	0	0	0	0	0	0	14	0	0	14	1	276	5	0	282	304
Grand Total	0	8	27	0	35	1	0	0	0	1	4	244	0	0	248	8	1676	53	0	1737	2021
Approach %	0.0	22.9	77.1	0.0		100.0	0.0	0.0	0.0		1.6	98.4	0.0	0.0		0.5	96.5	3.1	0.0		
Total %	0.0	0.4	1.3	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.2	12.1	0.0	0.0	12.3	0.4	82.9	2.6	0.0	85.9	
Exiting Leg Total	298					1707					16					0					2021

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	2	0	2	0	0	0	0	0	0	29	0	0	29	0	137	7	0	144	175
5:45 PM	0	1	1	0	2	0	0	0	0	0	2	44	0	0	46	1	123	6	0	130	178
6:00 PM	0	0	3	0	3	0	0	0	0	0	1	18	0	0	19	2	148	4	0	154	176
6:15 PM	0	1	5	0	6	1	0	0	0	1	0	21	0	0	21	1	159	4	0	164	192
Total Volume	0	2	11	0	13	1	0	0	0	1	3	112	0	0	115	4	567	21	0	592	721
% Approach Total	0.0	15.4	84.6	0.0		100.0	0.0	0.0	0.0		2.6	97.4	0.0	0.0		0.7	95.8	3.5	0.0		
PHF	0.000	0.500	0.550	0.000	0.542	0.250	0.000	0.000	0.000	0.250	0.375	0.636	0.000	0.000	0.625	0.500	0.892	0.750	0.000	0.902	0.939
Entering Leg	0	2	11	0	13	1	0	0	0	1	3	112	0	0	115	4	567	21	0	592	721
Exiting Leg	134					581					6					0					721
Total	147					582					121					592					1442

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class: **Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	3
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1	0	12	12
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	5	5
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	10
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	1	0	19	19
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	3
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	1	0	16	16
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
<b>Grand Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	3	0	52	52
Approach %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.2	5.8	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.2	5.8	0.0	100.0	
Exiting Leg Total	3					49					0					0					52
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	30	30
% Buses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.2	0.0	0.0	57.7	57.7
Exiting Leg Total	0					30					0					0					30
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	3	0	20	20
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.7	100.0	0.0	38.5	38.5
Exiting Leg Total	3					17					0					0					20
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	3.8	3.8
Exiting Leg Total	0					2					0					0					2

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

5:15 PM	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	5	5
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	10
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
<b>Total Volume</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	1	0	21	21
<b>% Approach Total</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.2	4.8	0.0		
<b>PHF</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.250	0.000	0.525	0.525
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0	0.0	0.0	66.7	66.7
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	6	6
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	100.0	0.0	28.6	28.6
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.8	4.8
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	6	6
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Total Entering Leg</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	1	0	21	21
Buses	0					14					0					0					14
Single-Unit Trucks	1					5					0					0					6
Articulated Trucks	0					1					0					0					1
<b>Total Exiting Leg</b>	1					20					0					0					21

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	1	1	0	2	0	0	0	0	0	0	12	0	0	12	0	141	3	0	144	158
4:45 PM	0	1	2	0	3	0	0	0	0	0	0	15	0	0	15	0	124	6	0	130	148
Total	0	2	3	0	5	0	0	0	0	0	0	27	0	0	27	0	265	9	0	274	306
5:00 PM	0	0	2	0	2	0	0	0	0	0	0	17	0	0	17	2	120	1	0	123	142
5:15 PM	0	0	3	0	3	0	0	0	0	0	1	33	0	0	34	0	133	7	0	140	177
5:30 PM	0	0	2	0	2	0	0	0	0	0	0	28	0	0	28	0	135	7	0	142	172
5:45 PM	0	1	1	0	2	0	0	0	0	0	1	42	0	0	43	1	117	6	0	124	169
Total	0	1	8	0	9	0	0	0	0	0	2	120	0	0	122	3	505	21	0	529	660
6:00 PM	0	0	3	0	3	0	0	0	0	0	1	18	0	0	19	2	142	4	0	148	170
6:15 PM	0	1	5	0	6	1	0	0	0	1	0	19	0	0	19	1	153	4	0	158	184
6:30 PM	0	1	1	0	2	0	0	0	0	0	0	17	0	0	17	0	137	6	0	143	162
6:45 PM	0	1	0	0	1	0	0	0	0	0	0	17	0	0	17	1	145	4	0	150	168
Total	0	3	9	0	12	1	0	0	0	1	1	71	0	0	72	4	577	18	0	599	684
7:00 PM	0	0	5	0	5	0	0	0	0	0	0	8	0	0	8	1	140	1	0	142	155
7:15 PM	0	1	1	0	2	0	0	0	0	0	0	5	0	0	5	0	130	4	0	134	141
Total	0	1	6	0	7	0	0	0	0	0	0	13	0	0	13	1	270	5	0	276	296
Grand Total	0	7	26	0	33	1	0	0	0	1	3	231	0	0	234	8	1617	53	0	1678	1946
Approach %	0.0	21.2	78.8	0.0		100.0	0.0	0.0	0.0		1.3	98.7	0.0	0.0		0.5	96.4	3.2	0.0		
Total %	0.0	0.4	1.3	0.0	1.7	0.1	0.0	0.0	0.0	0.1	0.2	11.9	0.0	0.0	12.0	0.4	83.1	2.7	0.0	86.2	
Exiting Leg Total	285					1646					15					0					1946

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	2	0	2	0	0	0	0	0	0	28	0	0	28	0	135	7	0	142	172
5:45 PM	0	1	1	0	2	0	0	0	0	0	1	42	0	0	43	1	117	6	0	124	169
6:00 PM	0	0	3	0	3	0	0	0	0	0	1	18	0	0	19	2	142	4	0	148	170
6:15 PM	0	1	5	0	6	1	0	0	0	1	0	19	0	0	19	1	153	4	0	158	184
Total Volume	0	2	11	0	13	1	0	0	0	1	2	107	0	0	109	4	547	21	0	572	695
% Approach Total	0.0	15.4	84.6	0.0		100.0	0.0	0.0	0.0		1.8	98.2	0.0	0.0		0.7	95.6	3.7	0.0		
PHF	0.000	0.500	0.550	0.000	0.542	0.250	0.000	0.000	0.000	0.250	0.500	0.637	0.000	0.000	0.634	0.500	0.894	0.750	0.000	0.905	0.944
Entering Leg	0	2	11	0	13	1	0	0	0	1	2	107	0	0	109	4	547	21	0	572	695
Exiting Leg	129					560					6					0					695
Total	142					561					115					572					1390

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Light Goods Vehicle**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	4	0	0	4	7	
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7	
Total	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	11	0	0	11	14	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	8	0	0	8	10	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	2	3	
5:45 PM	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	0	6	0	0	6	9	
Total	0	0	0	0	0	0	0	0	0	0	1	5	0	0	6	0	22	0	0	22	28	
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6	
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	6	0	0	6	7	
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	4	0	0	4	5	
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	0	1	3	
Total	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	17	0	0	17	21	
7:00 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4	
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	2	3	
Total	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	5	0	0	5	7	
Grand Total	0	1	1	0	2	0	0	0	0	0	1	12	0	0	13	0	55	0	0	55	70	
Approach %	0.0	50.0	50.0	0.0		0.0	0.0	0.0	0.0		7.7	92.3	0.0	0.0		0.0	100.0	0.0	0.0			
Total %	0.0	1.4	1.4	0.0	2.9	0.0	0.0	0.0	0.0	0.0	1.4	17.1	0.0	0.0	18.6	0.0	78.6	0.0	0.0	78.6		
Exiting Leg Total						12					57					1					0	70

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	4	0	0	4	7	
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	8	0	0	8	10	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6	
Total Volume	0	1	0	0	1	0	0	0	0	0	0	4	0	0	4	0	25	0	0	25	30	
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0			
PHF	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.000	0.781	0.000	0.000	0.781	0.750	
Entering Leg	0	1	0	0	1	0	0	0	0	0	0	4	0	0	4	0	25	0	0	25	30	
Exiting Leg																1					0	30
Total						5					25					5					25	60



PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	13	13
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	30	30
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					30					0					0					30

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.389	0.000	0.000	0.389	0.389
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
Exiting Leg	0					14					0					0					14
Total	0					14					0					14					28

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	6	6
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	6	6
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	3
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	7	7
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	3	0	20	20
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	85.0	15.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.0	15.0	0.0	100.0	
Exiting Leg Total	3					17					0					0					20

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1	0	10	10
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	90.0	10.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.250	0.000	0.500	0.500
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1	0	10	10
Exiting Leg	1					9					0					0					10
Total	1					9					0					10					20

PDI File #: **186591-30**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					2					0					0					2

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.500
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Exiting Leg	0					2					0					0					2
Total	0					2					0					2					4

PDI File #: 186591-30  
 Location: N: Kinnaid Street S: Kinnaid Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Kinnaid Street							River Street							Kinnaid Street							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3			
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4			
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3				
5:15 PM	0	0	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2				
5:30 PM	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3				
5:45 PM	0	0	2	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3				
Total	0	1	4	0	1	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20				
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3				
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4				
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2				
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2				
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11				
7:00 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2				
7:15 PM	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4				
Total	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6				
Grand Total	0	1	4	0	2	1	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44				
Approach %	0.0	12.5	50.0	0.0	25.0	12.5		0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
Total %	0.0	2.3	9.1	0.0	4.5	2.3	18.2	0.0	2.3	0.0	0.0	0.0	0.0	0.0	2.3	0.0	6.8	0.0	0.0	0.0	0.0	6.8	0.0	0.0	72.7				
Exiting Leg Total	7							34							1							2							44

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaid Street							River Street							Kinnaid Street							River Street							Total	
	from North							from East							from South							from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3					
5:15 PM	0	0	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2					
5:30 PM	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3					
5:45 PM	0	0	2	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3					
Total Volume	0	1	4	0	1	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20					
% Approach Total	0.0	14.3	57.1	0.0	14.3	14.3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
PHF	0.000	0.250	0.500	0.000	0.250	0.250	0.583	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.750	0.250	0.000	0.250	0.000	0.917	0.833
Entering Leg	0	1	4	0	1	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20					
Exiting Leg	5							13							1							1							20	
Total	12							13							3							12							40	

PDI File #: 186591-30  
 Location: N: Kinnaid Street S: Kinnaid Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Kinnaid Street								River Street								Kinnaid Street								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	0	0	0	3	6	9		0	0	0	0	2	3	5		0	0	0	0	6	8	14		0	0	0	0	3	0	3		31
4:45 PM	0	0	0	0	9	6	15		0	0	0	0	2	0	2		0	0	0	0	5	7	12		0	0	0	0	0	2	2		31
Total	0	0	0	0	12	12	24		0	0	0	0	4	3	7		0	0	0	0	11	15	26		0	0	0	0	3	2	5		62
5:00 PM	0	0	0	0	2	5	7		0	0	0	0	2	1	3		0	0	0	0	17	5	22		0	0	0	0	0	1	1		33
5:15 PM	0	0	0	0	5	10	15		0	0	0	0	4	1	5		0	0	0	0	12	13	25		0	0	0	0	0	0	0		45
5:30 PM	0	0	0	0	7	11	18		0	0	0	0	1	3	4		0	0	0	0	14	8	22		0	0	0	0	5	1	6		50
5:45 PM	0	0	0	0	12	8	20		0	0	0	0	4	3	7		0	0	0	0	14	9	23		0	0	0	0	0	1	1		51
Total	0	0	0	0	26	34	60		0	0	0	0	11	8	19		0	0	0	0	57	35	92		0	0	0	0	5	3	8		179
6:00 PM	0	0	0	0	8	4	12		0	0	0	0	0	2	2		0	0	0	0	13	7	20		0	0	0	0	0	1	1		35
6:15 PM	0	0	0	0	3	7	10		0	0	0	0	0	0	0		0	0	0	0	8	6	14		0	0	0	0	2	2	4		28
6:30 PM	0	0	0	0	4	3	7		0	0	0	0	0	2	2		0	0	0	0	16	6	22		0	0	0	0	2	1	3		34
6:45 PM	0	0	0	0	1	2	3		0	0	0	0	0	0	0		0	0	0	0	10	6	16		0	0	0	0	2	2	4		23
Total	0	0	0	0	16	16	32		0	0	0	0	0	4	4		0	0	0	0	47	25	72		0	0	0	0	6	6	12		120
7:00 PM	0	0	0	0	6	6	12		0	0	0	0	0	2	2		0	0	0	0	8	8	16		0	0	0	0	0	0	0		30
7:15 PM	0	0	0	0	1	4	5		0	0	0	0	1	2	3		0	0	0	0	11	2	13		0	0	0	0	2	1	3		24
Total	0	0	0	0	7	10	17		0	0	0	0	1	4	5		0	0	0	0	19	10	29		0	0	0	0	2	1	3		54
Grand Total	0	0	0	0	61	72	133		0	0	0	0	16	19	35		0	0	0	0	134	85	219		0	0	0	0	16	12	28		415
Approach %	0	0	0	0	45.9	54.1		0	0	0	0	45.7	54.3		0	0	0	0	61.2	38.8		0	0	0	0	57.1	42.9						
Total %	0	0	0	0	14.7	17.3	32		0	0	0	0	3.86	4.58	8.43		0	0	0	0	32.3	20.5	52.8		0	0	0	0	3.86	2.89	6.75		
Exiting Leg Total	133								35								219								28	415							

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaid Street								River Street								Kinnaid Street								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:15 PM	0	0	0	0	5	10	15		0	0	0	0	4	1	5		0	0	0	0	12	13	25		0	0	0	0	0	0	0		45
5:30 PM	0	0	0	0	7	11	18		0	0	0	0	1	3	4		0	0	0	0	14	8	22		0	0	0	0	5	1	6		50
5:45 PM	0	0	0	0	12	8	20		0	0	0	0	4	3	7		0	0	0	0	14	9	23		0	0	0	0	0	1	1		51
6:00 PM	0	0	0	0	8	4	12		0	0	0	0	0	2	2		0	0	0	0	13	7	20		0	0	0	0	0	1	1		35
Total Volume	0	0	0	0	32	33	65		0	0	0	0	9	9	18		0	0	0	0	53	37	90		0	0	0	0	5	3	8		181
% Approach Total	0.0	0.0	0.0	0.0	49.2	50.8		0.0	0.0	0.0	0.0	50.0	50.0		0.0	0.0	0.0	0.0	58.9	41.1		0.0	0.0	0.0	0.0	62.5	37.5						
PHF	0.000	0.000	0.000	0.000	0.667	0.750	0.813		0.000	0.000	0.000	0.000	0.563	0.750	0.643		0.000	0.000	0.000	0.000	0.946	0.712	0.900		0.000	0.000	0.000	0.000	0.250	0.750	0.333		0.887
Entering Leg	0	0	0	0	32	33	65		0	0	0	0	9	9	18		0	0	0	0	53	37	90		0	0	0	0	5	3	8		181
Exiting Leg	65								18								90								8	181							
Total	130								36								180								16	362							

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	0	12	12
7:15 AM	0	2	0	0	2	0	0	0	0	0	1	1	0	0	2	1	3	5	0	9	13
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	8	5	0	13	14
7:45 AM	0	1	2	0	3	0	0	0	0	0	1	0	0	0	1	3	10	12	0	25	29
<b>Total</b>	0	3	2	0	5	0	0	0	0	0	2	2	0	0	4	5	25	29	0	59	68
8:00 AM	0	2	3	0	5	0	0	0	0	0	0	0	0	0	0	2	19	11	0	32	37
8:15 AM	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	28	11	0	39	43
8:30 AM	0	1	0	0	1	0	0	0	0	0	2	0	0	0	2	4	24	12	0	40	43
8:45 AM	0	1	2	0	3	0	0	0	0	0	0	1	0	0	1	0	31	13	0	44	48
<b>Total</b>	0	7	6	0	13	0	0	0	0	0	2	1	0	0	3	6	102	47	0	155	171
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	11	0	30	30
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	5	0	20	20
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	3	0	16	16
9:45 AM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	11	5	0	16	18
<b>Total</b>	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	58	24	0	82	84
<b>Grand Total</b>	0	11	9	0	20	0	0	0	0	0	4	3	0	0	7	11	185	100	0	296	323
Approach %	0.0	55.0	45.0	0.0		0.0	0.0	0.0	0.0		57.1	42.9	0.0	0.0		3.7	62.5	33.8	0.0		
Total %	0.0	3.4	2.8	0.0	6.2	0.0	0.0	0.0	0.0	0.0	1.2	0.9	0.0	0.0	2.2	3.4	57.3	31.0	0.0	91.6	
<b>Exiting Leg Total</b>	103					198					22					0					323
Cars	0	10	9	0	19	0	0	0	0	0	4	2	0	0	6	11	168	99	0	278	303
% Cars	0.0	90.9	100.0	0.0	95.0	0.0	0.0	0.0	0.0	0.0	100.0	66.7	0.0	0.0	85.7	100.0	90.8	99.0	0.0	93.9	93.8
<b>Exiting Leg Total</b>	101					181					21					0					303
Heavy Vehicles	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	17	1	0	18	20
% Heavy Vehicles	0.0	9.1	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	14.3	0.0	9.2	1.0	0.0	6.1	6.2
<b>Exiting Leg Total</b>	2					17					1					0					20

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

8:00 AM	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:00 AM	0	2	3	0	5	0	0	0	0	0	0	0	0	0	0	2	19	11	0	32	37
8:15 AM	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	28	11	0	39	43
8:30 AM	0	1	0	0	1	0	0	0	0	0	2	0	0	0	2	4	24	12	0	40	43
8:45 AM	0	1	2	0	3	0	0	0	0	0	0	1	0	0	1	0	31	13	0	44	48
<b>Total Volume</b>	0	7	6	0	13	0	0	0	0	0	2	1	0	0	3	6	102	47	0	155	171
% Approach Total	0.0	53.8	46.2	0.0		0.0	0.0	0.0	0.0		66.7	33.3	0.0	0.0		3.9	65.8	30.3	0.0		
PHF	0.000	0.583	0.500	0.000	0.650	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.375	0.375	0.823	0.904	0.000	0.881	0.891
Cars	0	7	6	0	13	0	0	0	0	0	2	1	0	0	3	6	90	47	0	143	159
Cars %	0.0	100.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0	0.0	0.0	100.0	100.0	88.2	100.0	0.0	92.3	93.0
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	0.0	0.0	7.7	7.0
Cars Enter Leg	0	7	6	0	13	0	0	0	0	0	2	1	0	0	3	6	90	47	0	143	159
Heavy Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
<b>Total Entering Leg</b>	0	7	6	0	13	0	0	0	0	0	2	1	0	0	3	6	102	47	0	155	171
Cars Exiting Leg	48					98					13					0					159
Heavy Exiting Leg	0					12					0					0					12
<b>Total Exiting Leg</b>	48					110					13					0					171

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	0	11	11
7:15 AM	0	1	0	0	1	0	0	0	0	0	1	1	0	0	2	1	2	4	0	7	10
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	5	0	12	12
7:45 AM	0	1	2	0	3	0	0	0	0	0	1	0	0	0	1	3	10	12	0	25	29
<b>Total</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>5</b>	<b>22</b>	<b>28</b>	<b>0</b>	<b>55</b>	<b>62</b>
8:00 AM	0	2	3	0	5	0	0	0	0	0	0	0	0	0	0	2	16	11	0	29	34
8:15 AM	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	26	11	0	37	41
8:30 AM	0	1	0	0	1	0	0	0	0	0	2	0	0	0	2	4	20	12	0	36	39
8:45 AM	0	1	2	0	3	0	0	0	0	0	0	1	0	0	1	0	28	13	0	41	45
<b>Total</b>	<b>0</b>	<b>7</b>	<b>6</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>6</b>	<b>90</b>	<b>47</b>	<b>0</b>	<b>143</b>	<b>159</b>
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	11	0	29	29
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	5	0	20	20
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	3	0	15	15
9:45 AM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	11	5	0	16	18
<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>56</b>	<b>24</b>	<b>0</b>	<b>80</b>	<b>82</b>
Grand Total	0	10	9	0	19	0	0	0	0	0	4	2	0	0	6	11	168	99	0	278	303
Approach %	0.0	52.6	47.4	0.0		0.0	0.0	0.0	0.0		66.7	33.3	0.0	0.0		4.0	60.4	35.6	0.0		
Total %	0.0	3.3	3.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	2.0	3.6	55.4	32.7	0.0	91.7	
Exiting Leg Total	101					181					21					0					303

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:00 AM	0	2	3	0	5	0	0	0	0	0	0	0	0	0	0	2	16	11	0	29	34
8:15 AM	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	26	11	0	37	41
8:30 AM	0	1	0	0	1	0	0	0	0	0	2	0	0	0	2	4	20	12	0	36	39
8:45 AM	0	1	2	0	3	0	0	0	0	0	0	1	0	0	1	0	28	13	0	41	45
<b>Total Volume</b>	<b>0</b>	<b>7</b>	<b>6</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>6</b>	<b>90</b>	<b>47</b>	<b>0</b>	<b>143</b>	<b>159</b>
% Approach Total	0.0	53.8	46.2	0.0		0.0	0.0	0.0	0.0		66.7	33.3	0.0	0.0		4.2	62.9	32.9	0.0		
PHF	0.000	0.583	0.500	0.000	0.650	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.375	0.375	0.804	0.904	0.000	0.872	0.883
Entering Leg	0	7	6	0	13	0	0	0	0	0	2	1	0	0	3	6	90	47	0	143	159
Exiting Leg	48					98					13					0					159
<b>Total</b>	<b>61</b>					<b>98</b>					<b>16</b>					<b>143</b>					<b>318</b>

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	3
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	3	1	0	4	6
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Grand Total	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	17	1	0	18	20
Approach %	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	94.4	5.6	0.0		
Total %	0.0	5.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	85.0	5.0	0.0	90.0	
Exiting Leg Total	2					17					1					0					20
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
% Buses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.6	0.0	0.0	66.7	60.0
Exiting Leg Total	0					12					0					0					12
Single-Unit Trucks	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	4	1	0	5	7
% Single-Unit	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	23.5	100.0	0.0	27.8	35.0
Exiting Leg Total	2					4					1					0					7
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	5.6	5.0
Exiting Leg Total	0					1					0					0					1

**Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.750	0.750
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	0.0	0.0	66.7	66.7
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	33.3	33.3
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
Buses	0					8					0					0					8
Single-Unit Trucks	0					4					0					0					4
Articulated Trucks	0					0					0					0					0
Total Exiting Leg	0					12					0					0					12



PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	0	11	11
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2	4	0	7	8
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	5	0	12	12
7:45 AM	0	1	2	0	3	0	0	0	0	0	1	0	0	0	1	3	10	11	0	24	28
<b>Total</b>	0	1	2	0	3	0	0	0	0	0	1	1	0	0	2	5	22	27	0	54	59
8:00 AM	0	2	3	0	5	0	0	0	0	0	0	0	0	0	0	2	15	10	0	27	32
8:15 AM	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	26	11	0	37	41
8:30 AM	0	1	0	0	1	0	0	0	0	0	2	0	0	0	2	4	20	12	0	36	39
8:45 AM	0	1	2	0	3	0	0	0	0	0	0	1	0	0	1	0	27	12	0	39	43
<b>Total</b>	0	7	6	0	13	0	0	0	0	0	2	1	0	0	3	6	88	45	0	139	155
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	11	0	29	29
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	5	0	19	19
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	3	0	15	15
9:45 AM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	10	5	0	15	17
<b>Total</b>	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	54	24	0	78	80
Grand Total	0	9	9	0	18	0	0	0	0	0	3	2	0	0	5	11	164	96	0	271	294
Approach %	0.0	50.0	50.0	0.0		0.0	0.0	0.0	0.0		60.0	40.0	0.0	0.0		4.1	60.5	35.4	0.0		
Total %	0.0	3.1	3.1	0.0	6.1	0.0	0.0	0.0	0.0	0.0	1.0	0.7	0.0	0.0	1.7	3.7	55.8	32.7	0.0	92.2	
Exiting Leg Total	98					176					20					0					294

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:00 AM	0	2	3	0	5	0	0	0	0	0	0	0	0	0	0	2	15	10	0	27	32
8:15 AM	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	26	11	0	37	41
8:30 AM	0	1	0	0	1	0	0	0	0	0	2	0	0	0	2	4	20	12	0	36	39
8:45 AM	0	1	2	0	3	0	0	0	0	0	0	1	0	0	1	0	27	12	0	39	43
<b>Total Volume</b>	0	7	6	0	13	0	0	0	0	0	2	1	0	0	3	6	88	45	0	139	155
% Approach Total	0.0	53.8	46.2	0.0		0.0	0.0	0.0	0.0		66.7	33.3	0.0	0.0		4.3	63.3	32.4	0.0		
PHF	0.000	0.583	0.500	0.000	0.650	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.375	0.375	0.815	0.938	0.000	0.891	0.901
Entering Leg	0	7	6	0	13	0	0	0	0	0	2	1	0	0	3	6	88	45	0	139	155
Exiting Leg	46					96					13					0					155
<b>Total</b>	59					96					16					139					310

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
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 Class:



46 Morton Street, Framingham, MA 01702  
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**Light Goods Vehicle**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
<b>Total</b>	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1	3
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	4
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Grand Total	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	4	3	0	7	9
Approach %	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0		0.0	57.1	42.9	0.0		
Total %	0.0	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	11.1	0.0	44.4	33.3	0.0	77.8	
Exiting Leg Total	3					5					1					0					9

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:15 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
<b>Total Volume</b>	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	1	2	0	3	5
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0		0.0	33.3	66.7	0.0		
PHF	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.250	0.500	0.000	0.375	0.625
Entering Leg	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	1	2	0	3	5
Exiting Leg	2					2					1					0					5
<b>Total</b>	3					2					2					3					10

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
<b>Grand Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					12					0					0					12

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Total Volume</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.500
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
Exiting Leg	0					8					0					8					8
<b>Total</b>	0					8					0					8					16

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2					
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1					
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
<b>Total</b>	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	3					
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4					
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
<b>Grand Total</b>	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	4	1	0	5	7					
Approach %	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	80.0	20.0	0.0							
Total %	0.0	14.3	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	14.3	0.0	57.1	14.3	0.0	71.4						
Exiting Leg Total						2					4					1					0					7

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
<b>Total Volume</b>	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	2	1	0	3	5
<b>% Approach Total</b>	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	66.7	33.3	0.0		
PHF	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.000	0.250	0.250	0.000	0.375	0.625
Entering Leg	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	2	1	0	3	5
Exiting Leg																2					5
<b>Total</b>	3					2					2					3					10

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					1					0					0					1

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.250
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Exiting Leg	0					1					0					0					1
Total	0					1					0					1					2

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Kinnaird Street							Pleasant Street							Pleasant Place							Pleasant Street							Total		
	from North							from East							from South							from West									
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total			
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
7:30 AM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	5
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
8:30 AM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	6	
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	4	0	0	12	
9:00 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	4	0	0	0	5
Grand Total	0	4	0	0	0	0	4	0	0	1	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	9	10	0	0	0	19
Approach %	0.0	100.0	0.0	0.0	0.0	0.0		0.0	0.0	100.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	47.4	52.6	0.0	0.0	0.0		
Total %	0.0	14.8	0.0	0.0	0.0	0.0	14.8	0.0	0.0	3.7	0.0	0.0	0.0	3.7	11.1	0.0	0.0	0.0	0.0	0.0	0.0			0.0	33.3	37.0	0.0	0.0	0.0	70.4	
Exiting Leg Total	10							12							5							0							27		

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street							Pleasant Street							Pleasant Place							Pleasant Street							Total		
	from North							from East							from South							from West									
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total			
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	5
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
8:30 AM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	6	
Total Volume	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	4	0	0	12	
% Approach Total	0.0	100.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	66.7	33.3	0.0	0.0	0.0		
PHF	0.000	0.250	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			0.000	0.500	0.333	0.000	0.000	0.000	0.417	
Entering Leg	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	4	0	0	12	
Exiting Leg	4							8							3							0							15		
Total	7							8							3							12							30		

PDI File #: 186591-31  
 Location: N: Kinnaird Street S: Pleasant Place  
 Location: E: Pleasant Street W: Pleasant Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Kinnaird Street							Pleasant Street							Pleasant Place							Pleasant Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	1	3	4	0	0	0	0	0	0	0	6
7:15 AM	0	0	0	0	3	1	4	0	0	0	0	0	0	0	0	0	0	0	2	6	8	0	0	0	0	0	1	1	13
7:30 AM	0	0	0	0	4	4	8	0	0	0	0	1	0	1	0	0	0	0	2	6	8	0	0	0	0	0	1	1	18
7:45 AM	0	0	0	0	3	3	6	0	0	0	0	2	0	2	0	0	0	0	5	10	15	0	0	0	0	0	2	2	25
Total	0	0	0	0	11	9	20	0	0	0	0	3	0	3	0	0	0	0	10	25	35	0	0	0	0	0	4	4	62
8:00 AM	0	0	0	0	4	0	4	0	0	0	0	2	0	2	0	0	0	0	5	10	15	0	0	0	0	1	2	3	24
8:15 AM	0	0	0	0	3	7	10	0	0	0	0	0	0	0	0	0	0	0	6	11	17	0	0	0	0	0	1	1	28
8:30 AM	0	0	0	0	5	2	7	0	0	0	0	0	0	0	0	0	0	0	2	21	23	0	0	0	0	0	6	6	36
8:45 AM	0	0	0	0	4	3	7	0	0	0	0	0	0	0	0	0	0	0	6	16	22	0	0	0	0	2	4	6	35
Total	0	0	0	0	16	12	28	0	0	0	0	2	0	2	0	0	0	0	19	58	77	0	0	0	0	3	13	16	123
9:00 AM	0	0	0	0	3	1	4	0	0	0	0	0	0	0	0	0	0	0	2	12	14	0	0	0	0	0	0	0	18
9:15 AM	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	0	0	4	7	11	0	0	0	0	0	0	0	14
9:30 AM	0	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	5	3	8	0	0	0	0	0	0	0	11
9:45 AM	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	6	3	9	0	0	0	0	0	0	0	13
Total	0	0	0	0	10	4	14	0	0	0	0	0	0	0	0	0	0	0	17	25	42	0	0	0	0	0	0	0	56
Grand Total	0	0	0	0	37	25	62	0	0	0	0	5	0	5	0	0	0	0	46	108	154	0	0	0	0	3	17	20	241
Approach %	0	0	0	0	59.7	40.3		0	0	0	0	100	0		0	0	0	0	29.9	70.1		0	0	0	0	15	85		
Total %	0	0	0	0	15.4	10.4	25.7	0	0	0	0	2.07	0	2.07	0	0	0	0	19.1	44.8	63.9	0	0	0	0	1.24	7.05	8.3	
Exiting Leg Total	62							5							154							20							241

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street							Pleasant Street							Pleasant Place							Pleasant Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:00 AM	0	0	0	0	4	0	4	0	0	0	0	2	0	2	0	0	0	0	5	10	15	0	0	0	0	1	2	3	24
8:15 AM	0	0	0	0	3	7	10	0	0	0	0	0	0	0	0	0	0	0	6	11	17	0	0	0	0	0	1	1	28
8:30 AM	0	0	0	0	5	2	7	0	0	0	0	0	0	0	0	0	0	0	2	21	23	0	0	0	0	0	6	6	36
8:45 AM	0	0	0	0	4	3	7	0	0	0	0	0	0	0	0	0	0	0	6	16	22	0	0	0	0	2	4	6	35
Total Volume	0	0	0	0	16	12	28	0	0	0	0	2	0	2	0	0	0	0	19	58	77	0	0	0	0	3	13	16	123
% Approach Total	0.0	0.0	0.0	0.0	57.1	42.9		0.0	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	24.7	75.3		0.0	0.0	0.0	0.0	18.8	81.3		
PHF	0.000	0.000	0.000	0.000	0.800	0.429	0.700	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.792	0.690	0.837	0.000	0.000	0.000	0.000	0.375	0.542	0.667	0.854
Entering Leg	0	0	0	0	16	12	28	0	0	0	0	2	0	2	0	0	0	0	19	58	77	0	0	0	0	3	13	16	123
Exiting Leg	28							2							77							16							123
Total	56							4							154							32							246

PDI File #: **186591-31**  
 Location: **N: Kinnaid Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Kinnaid Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	1	1	0	2	0	0	0	0	0	3	1	0	0	4	0	21	13	0	34	40
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	14	13	0	27	29
<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>35</b>	<b>26</b>	<b>0</b>	<b>61</b>	<b>69</b>
5:00 PM	0	1	2	0	3	0	0	0	0	0	3	0	0	0	3	0	14	18	0	32	38
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16	34	0	51	51
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	17	29	0	47	47
5:45 PM	0	1	1	0	2	0	0	0	0	0	1	1	0	0	2	0	23	46	0	69	73
<b>Total</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>70</b>	<b>127</b>	<b>0</b>	<b>199</b>	<b>209</b>
6:00 PM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	0	19	16	0	35	38
6:15 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	1	27	21	0	49	51
6:30 PM	0	1	0	0	1	0	0	0	0	0	1	1	0	0	2	0	16	16	0	32	35
6:45 PM	0	0	3	0	3	0	0	0	0	0	1	0	0	0	1	0	20	19	0	39	43
<b>Total</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>82</b>	<b>72</b>	<b>0</b>	<b>155</b>	<b>167</b>
7:00 PM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	13	7	0	20	22
7:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	13	6	0	19	20
<b>Total</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>26</b>	<b>13</b>	<b>0</b>	<b>39</b>	<b>42</b>
Grand Total	0	6	10	0	16	0	0	0	0	0	9	8	0	0	17	3	213	238	0	454	487
Approach %	0.0	37.5	62.5	0.0		0.0	0.0	0.0	0.0	0.0	52.9	47.1	0.0	0.0		0.7	46.9	52.4	0.0		
Total %	0.0	1.2	2.1	0.0	3.3	0.0	0.0	0.0	0.0	0.0	1.8	1.6	0.0	0.0	3.5	0.6	43.7	48.9	0.0	93.2	
Exiting Leg Total	246					232					9					0					487
Cars	0	6	10	0	16	0	0	0	0	0	9	8	0	0	17	3	199	238	0	440	473
% Cars	0.0	100.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0	0.0	0.0	100.0	100.0	93.4	100.0	0.0	96.9	97.1
Exiting Leg Total	246					218					9					0					473
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	3.1	2.9
Exiting Leg Total	0					14					0					0					14

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaid Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:00 PM	0	1	2	0	3	0	0	0	0	0	3	0	0	0	3	0	14	18	0	32	38
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16	34	0	51	51
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	17	29	0	47	47
5:45 PM	0	1	1	0	2	0	0	0	0	0	1	1	0	0	2	0	23	46	0	69	73
Total Volume	0	2	3	0	5	0	0	0	0	0	4	1	0	0	5	2	70	127	0	199	209
% Approach Total	0.0	40.0	60.0	0.0		0.0	0.0	0.0	0.0	0.0	80.0	20.0	0.0	0.0		1.0	35.2	63.8	0.0		
PHF	0.000	0.500	0.375	0.000	0.417	0.000	0.000	0.000	0.000	0.000	0.333	0.250	0.000	0.000	0.417	0.500	0.761	0.690	0.000	0.721	0.716
Cars	0	2	3	0	5	0	0	0	0	0	4	1	0	0	5	2	63	127	0	192	202
Cars %	0.0	100.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0	0.0	0.0	100.0	100.0	90.0	100.0	0.0	96.5	96.7
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	3.5	3.3
Cars Enter Leg	0	2	3	0	5	0	0	0	0	0	4	1	0	0	5	2	63	127	0	192	202
Heavy Enter Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
Total Entering Leg	0	2	3	0	5	0	0	0	0	0	4	1	0	0	5	2	70	127	0	199	209
Cars Exiting Leg	128					70					4					0					202
Heavy Exiting Leg	0					7					0					0					7
Total Exiting Leg	128					77					4					0					209



PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	1	1	0	2	0	0	0	0	0	3	1	0	0	4	0	20	13	0	33	39
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	13	13	0	26	28
Total	0	1	1	0	2	0	0	0	0	0	3	3	0	0	6	0	33	26	0	59	67
5:00 PM	0	1	2	0	3	0	0	0	0	0	3	0	0	0	3	0	12	18	0	30	36
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	15	34	0	50	50
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	15	29	0	45	45
5:45 PM	0	1	1	0	2	0	0	0	0	0	1	1	0	0	2	0	21	46	0	67	71
Total	0	2	3	0	5	0	0	0	0	0	4	1	0	0	5	2	63	127	0	192	202
6:00 PM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	0	18	16	0	34	37
6:15 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	1	26	21	0	48	50
6:30 PM	0	1	0	0	1	0	0	0	0	0	1	1	0	0	2	0	15	16	0	31	34
6:45 PM	0	0	3	0	3	0	0	0	0	0	1	0	0	0	1	0	19	19	0	38	42
Total	0	3	4	0	7	0	0	0	0	0	2	3	0	0	5	1	78	72	0	151	163
7:00 PM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	12	7	0	19	21
7:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	13	6	0	19	20
Total	0	0	2	0	2	0	0	0	0	0	0	1	0	0	1	0	25	13	0	38	41
Grand Total	0	6	10	0	16	0	0	0	0	0	9	8	0	0	17	3	199	238	0	440	473
Approach %	0.0	37.5	62.5	0.0		0.0	0.0	0.0	0.0		52.9	47.1	0.0	0.0		0.7	45.2	54.1	0.0		
Total %	0.0	1.3	2.1	0.0	3.4	0.0	0.0	0.0	0.0	0.0	1.9	1.7	0.0	0.0	3.6	0.6	42.1	50.3	0.0	93.0	
Exiting Leg Total	246					218					9					0					473

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	15	34	0	50	50
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	15	29	0	45	45
5:45 PM	0	1	1	0	2	0	0	0	0	0	1	1	0	0	2	0	21	46	0	67	71
6:00 PM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	0	18	16	0	34	37
Total Volume	0	1	2	0	3	0	0	0	0	0	1	3	0	0	4	2	69	125	0	196	203
% Approach Total	0.0	33.3	66.7	0.0		0.0	0.0	0.0	0.0		25.0	75.0	0.0	0.0		1.0	35.2	63.8	0.0		
PHF	0.000	0.250	0.500	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.250	0.375	0.000	0.000	0.500	0.500	0.821	0.679	0.000	0.731	0.715
Entering Leg	0	1	2	0	3	0	0	0	0	0	1	3	0	0	4	2	69	125	0	196	203
Exiting Leg	128					72					3					0					203
Total	131					72					7					196					406

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class: **Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					14					0					0					14
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
% Buses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.1	0.0	0.0	57.1	57.1
Exiting Leg Total	0					8					0					0					8
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.9	0.0	0.0	42.9	42.9
Exiting Leg Total	0					6					0					0					6
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exiting Leg Total	0					0					0					0					0

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

5:00 PM	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.875	0.000	0.000	0.875	0.875
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.9	0.0	0.0	42.9	42.9
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.1	0.0	0.0	57.1	57.1
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
Buses	0					3					0					0					3
Single-Unit Trucks	0					4					0					0					4
Articulated Trucks	0					0					0					0					0
Total Exiting Leg	0					7					0					0					7

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
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**Cars**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	1	0	0	1	0	0	0	0	0	3	1	0	0	4	0	19	11	0	30	35
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	13	13	0	26	28
Total	0	1	0	0	1	0	0	0	0	0	3	3	0	0	6	0	32	24	0	56	63
5:00 PM	0	1	2	0	3	0	0	0	0	0	3	0	0	0	3	0	12	16	0	28	34
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	15	34	0	50	50
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	14	27	0	42	42
5:45 PM	0	1	1	0	2	0	0	0	0	0	1	1	0	0	2	0	21	43	0	64	68
Total	0	2	3	0	5	0	0	0	0	0	4	1	0	0	5	2	62	120	0	184	194
6:00 PM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	0	17	16	0	33	36
6:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	25	20	0	46	47
6:30 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	15	15	0	30	32
6:45 PM	0	0	3	0	3	0	0	0	0	0	1	0	0	0	1	0	18	17	0	35	39
Total	0	2	4	0	6	0	0	0	0	0	1	3	0	0	4	1	75	68	0	144	154
7:00 PM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	12	7	0	19	21
7:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	13	5	0	18	19
Total	0	0	2	0	2	0	0	0	0	0	0	1	0	0	1	0	25	12	0	37	40
Grand Total	0	5	9	0	14	0	0	0	0	0	8	8	0	0	16	3	194	224	0	421	451
Approach %	0.0	35.7	64.3	0.0		0.0	0.0	0.0	0.0		50.0	50.0	0.0	0.0		0.7	46.1	53.2	0.0		
Total %	0.0	1.1	2.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	1.8	1.8	0.0	0.0	3.5	0.7	43.0	49.7	0.0	93.3	
Exiting Leg Total	232					211					8					0					451

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	15	34	0	50	50
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	14	27	0	42	42
5:45 PM	0	1	1	0	2	0	0	0	0	0	1	1	0	0	2	0	21	43	0	64	68
6:00 PM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	0	17	16	0	33	36
Total Volume	0	1	2	0	3	0	0	0	0	0	1	3	0	0	4	2	67	120	0	189	196
% Approach Total	0.0	33.3	66.7	0.0		0.0	0.0	0.0	0.0		25.0	75.0	0.0	0.0		1.1	35.4	63.5	0.0		
PHF	0.000	0.250	0.500	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.250	0.375	0.000	0.000	0.500	0.500	0.798	0.698	0.000	0.738	0.721
Entering Leg	0	1	2	0	3	0	0	0	0	0	1	3	0	0	4	2	67	120	0	189	196
Exiting Leg	123					70					3					0					196
Total	126					70					7					189					392

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
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**Light Goods Vehicle**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	4
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	4
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	3
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	0	8	8
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	3
6:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1	2
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	3
Total	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	3	4	0	7	9
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Grand Total	0	1	1	0	2	0	0	0	0	0	1	0	0	0	1	0	5	14	0	19	22
Approach %	0.0	50.0	50.0	0.0		0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0		0.0	26.3	73.7	0.0		
Total %	0.0	4.5	4.5	0.0	9.1	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	4.5	0.0	22.7	63.6	0.0	86.4	
Exiting Leg Total	14					7					1					0					22

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

5:30 PM	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	3
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	3
Total Volume	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	6	0	9	10
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	33.3	66.7	0.0		
PHF	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.500	0.000	0.750	0.833
Entering Leg	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	6	0	9	10
Exiting Leg	6					3					1					0					10
Total	7					3					1					9					20

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
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**Buses**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					8					0					0					8

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.750	0.750
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Exiting Leg	0					3					0					0					3
Total	0					3					0					3					6

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					6					0					0					6

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	1.000	1.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Exiting Leg	0					4					0					0					4
Total	0					4					0					4					8

PDI File #: **186591-31**  
 Location: **N: Kinnaird Street S: Pleasant Place**  
 Location: **E: Pleasant Street W: Pleasant Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0					0					0					0					0

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street					Pleasant Street					Pleasant Place					Pleasant Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0					0					0					0					0
Total	0					0					0					0					0

PDI File #: 186591-31  
 Location: N: Kinnaird Street S: Pleasant Place  
 Location: E: Pleasant Street W: Pleasant Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Kinnaird Street							Pleasant Street							Pleasant Place							Pleasant Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	
5:30 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
Total	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	7	
6:00 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
Total	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	6	
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	
Grand Total	0	1	0	0	0	0	1	0	1	0	0	0	0	1	5	0	0	0	0	0	0	5	0	8	4	0	0	12	19
Approach %	0.0	100.0	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0	0.0	0.0		0.0	66.7	33.3	0.0	0.0	0.0		
Total %	0.0	5.3	0.0	0.0	0.0	0.0	5.3	0.0	5.3	0.0	0.0	0.0	0.0	5.3	26.3	0.0	0.0	0.0	0.0	0.0	26.3	0.0	42.1	21.1	0.0	0.0	0.0	63.2	
Exiting Leg Total	4							13							1							1							19

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street							Pleasant Street							Pleasant Place							Pleasant Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	
5:30 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
6:00 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	2	
Total Volume	0	1	0	0	0	0	1	0	1	0	0	0	0	1	1	0	0	0	0	0	1	0	4	2	0	0	6	9	
% Approach Total	0.0	100.0	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0	0.0	0.0		0.0	66.7	33.3	0.0	0.0	0.0		
PHF	0.000	0.250	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.500	0.500	0.000	0.000	0.000	0.500	0.750	
Entering Leg	0	1	0	0	0	0	1	0	1	0	0	0	0	1	1	0	0	0	0	0	1	0	4	2	0	0	6	9	
Exiting Leg	2							5							1							1							9
Total	3							6							2							7							18



PDI File #: 186591-31  
 Location: N: Kinnaird Street S: Pleasant Place  
 Location: E: Pleasant Street W: Pleasant Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Kinnaird Street							Pleasant Street							Pleasant Place							Pleasant Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	0	0	0	2	3	5	0	0	0	0	0	0	0	0	0	0	0	5	5	10	0	0	0	0	2	0	2	17
4:45 PM	0	0	0	0	1	1	2	0	0	0	0	1	0	1	0	0	0	0	10	2	12	0	0	0	0	0	1	1	16
Total	0	0	0	0	3	4	7	0	0	0	0	1	0	1	0	0	0	0	15	7	22	0	0	0	0	2	1	3	33
5:00 PM	0	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	5	4	9	0	0	0	0	0	0	0	12
5:15 PM	0	0	0	0	1	7	8	0	0	0	0	0	0	0	0	0	0	0	5	2	7	0	0	0	0	0	1	1	16
5:30 PM	0	0	0	0	3	2	5	0	0	0	0	0	0	0	0	0	0	0	8	1	9	0	0	0	0	2	0	2	16
5:45 PM	0	0	0	0	2	3	5	0	0	0	0	1	0	1	0	0	0	0	10	9	19	0	0	0	0	0	0	0	25
Total	0	0	0	0	7	14	21	0	0	0	0	1	0	1	0	0	0	0	28	16	44	0	0	0	0	2	1	3	69
6:00 PM	0	0	0	0	2	2	4	0	0	0	0	0	0	0	0	0	0	0	15	3	18	0	0	0	0	1	0	1	23
6:15 PM	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	7	5	12	0	0	0	0	0	0	0	14
6:30 PM	0	0	0	0	4	1	5	0	0	0	0	0	0	0	0	0	0	0	10	5	15	0	0	0	0	0	0	0	20
6:45 PM	0	0	0	0	2	1	3	0	0	0	0	2	0	2	0	0	0	0	4	1	5	0	0	0	0	3	1	4	14
Total	0	0	0	0	9	5	14	0	0	0	0	2	0	2	0	0	0	0	36	14	50	0	0	0	0	4	1	5	71
7:00 PM	0	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	5	4	9	0	0	0	0	0	0	0	12
7:15 PM	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	8	2	10	0	0	0	0	0	0	0	12
Total	0	0	0	0	2	3	5	0	0	0	0	0	0	0	0	0	0	0	13	6	19	0	0	0	0	0	0	0	24
Grand Total	0	0	0	0	21	26	47	0	0	0	0	4	0	4	0	0	0	0	92	43	135	0	0	0	0	8	3	11	197
Approach %	0	0	0	0	44.7	55.3		0	0	0	0	100	0		0	0	0	0	68.1	31.9		0	0	0	0	72.7	27.3		
Total %	0	0	0	0	10.7	13.2	23.9	0	0	0	0	2.03	0	2.03	0	0	0	0	46.7	21.8	68.5	0	0	0	0	4.06	1.52	5.58	
Exiting Leg Total	47							4							135							11							197

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Kinnaird Street							Pleasant Street							Pleasant Place							Pleasant Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:45 PM	0	0	0	0	2	3	5	0	0	0	0	1	0	1	0	0	0	0	10	9	19	0	0	0	0	0	0	0	25
5:45 PM	0	0	0	0	2	2	4	0	0	0	0	0	0	0	0	0	0	0	15	3	18	0	0	0	0	1	0	1	23
6:00 PM	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	7	5	12	0	0	0	0	0	0	0	14
6:15 PM	0	0	0	0	4	1	5	0	0	0	0	0	0	0	0	0	0	0	10	5	15	0	0	0	0	0	0	0	20
6:30 PM	0	0	0	0	4	1	5	0	0	0	0	0	0	0	0	0	0	0	10	5	15	0	0	0	0	0	0	0	20
Total Volume	0	0	0	0	9	7	16	0	0	0	0	1	0	1	0	0	0	0	42	22	64	0	0	0	0	1	0	1	82
% Approach Total	0.0	0.0	0.0	0.0	56.3	43.8		0.0	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	65.6	34.4		0.0	0.0	0.0	0.0	100.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.563	0.583	0.800	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.700	0.611	0.842	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.820
Entering Leg	0	0	0	0	9	7	16	0	0	0	0	1	0	1	0	0	0	0	42	22	64	0	0	0	0	1	0	1	82
Exiting Leg	16							1							64							1							82
Total	32							2							128							2							164

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	4	0	0	4	0	0	0	0	0	0	4	0	0	4	4	162	9	0	175	183
7:15 AM	0	4	1	0	5	0	0	0	0	0	1	4	0	0	5	1	152	11	0	164	174
7:30 AM	0	4	2	0	6	0	0	0	0	0	0	10	0	0	10	5	154	14	0	173	189
7:45 AM	0	4	6	0	10	0	0	0	0	0	0	12	0	0	12	4	175	15	0	194	216
Total	0	16	9	0	25	0	0	0	0	0	1	30	0	0	31	14	643	49	0	706	762
8:00 AM	0	7	9	0	16	0	0	0	0	0	0	10	0	0	10	6	141	15	0	162	188
8:15 AM	0	5	14	0	19	0	0	0	0	0	0	7	0	0	7	9	136	10	0	155	181
8:30 AM	0	5	3	0	8	0	0	0	0	0	0	5	0	0	5	10	156	6	0	172	185
8:45 AM	0	3	9	0	12	0	0	0	0	0	1	7	0	0	8	5	149	7	0	161	181
Total	0	20	35	0	55	0	0	0	0	0	1	29	0	0	30	30	582	38	0	650	735
9:00 AM	0	5	4	0	9	0	0	0	0	0	2	5	0	0	7	10	170	8	0	188	204
9:15 AM	0	3	1	0	4	0	0	0	0	0	1	5	0	0	6	7	184	9	0	200	210
9:30 AM	0	2	4	0	6	0	0	0	0	0	0	2	0	0	2	5	177	8	0	190	198
9:45 AM	0	3	3	0	6	0	0	0	0	0	0	4	0	0	4	4	172	8	0	184	194
Total	0	13	12	0	25	0	0	0	0	0	3	16	0	0	19	26	703	33	0	762	806
Grand Total	0	49	56	0	105	0	0	0	0	0	5	75	0	0	80	70	1928	120	0	2118	2303
Approach %	0.0	46.7	53.3	0.0		0.0	0.0	0.0	0.0		6.3	93.8	0.0	0.0		3.3	91.0	5.7	0.0		
Total %	0.0	2.1	2.4	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.2	3.3	0.0	0.0	3.5	3.0	83.7	5.2	0.0	92.0	
Exiting Leg Total	195					1989					119					0					2303
Cars	0	48	51	0	99	0	0	0	0	0	5	75	0	0	80	67	1795	115	0	1977	2156
% Cars	0.0	98.0	91.1	0.0	94.3	0.0	0.0	0.0	0.0	0.0	100.0	100.0	0.0	0.0	100.0	95.7	93.1	95.8	0.0	93.3	93.6
Exiting Leg Total	190					1851					115					0					2156
Heavy Vehicles	0	1	5	0	6	0	0	0	0	0	0	0	0	0	0	3	133	5	0	141	147
% Heavy Vehicles	0.0	2.0	8.9	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	6.9	4.2	0.0	6.7	6.4
Exiting Leg Total	5					138					4					0					147

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

9:00 AM	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	5	4	0	9	0	0	0	0	0	2	5	0	0	7	10	170	8	0	188	204
9:15 AM	0	3	1	0	4	0	0	0	0	0	1	5	0	0	6	7	184	9	0	200	210
9:30 AM	0	2	4	0	6	0	0	0	0	0	0	2	0	0	2	5	177	8	0	190	198
9:45 AM	0	3	3	0	6	0	0	0	0	0	0	4	0	0	4	4	172	8	0	184	194
Total Volume	0	13	12	0	25	0	0	0	0	0	3	16	0	0	19	26	703	33	0	762	806
% Approach Total	0.0	52.0	48.0	0.0		0.0	0.0	0.0	0.0		15.8	84.2	0.0	0.0		3.4	92.3	4.3	0.0		
PHF	0.000	0.650	0.750	0.000	0.694	0.000	0.000	0.000	0.000	0.000	0.375	0.800	0.000	0.000	0.679	0.650	0.955	0.917	0.000	0.953	0.960
Cars	0	12	11	0	23	0	0	0	0	0	3	16	0	0	19	25	659	31	0	715	757
Cars %	0.0	92.3	91.7	0.0	92.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0	0.0	0.0	100.0	96.2	93.7	93.9	0.0	93.8	93.9
Heavy Vehicles	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	1	44	2	0	47	49
Heavy Vehicles %	0.0	7.7	8.3	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	6.3	6.1	0.0	6.2	6.1
Cars Enter Leg	0	12	11	0	23	0	0	0	0	0	3	16	0	0	19	25	659	31	0	715	757
Heavy Enter Leg	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	1	44	2	0	47	49
Total Entering Leg	0	13	12	0	25	0	0	0	0	0	3	16	0	0	19	26	703	33	0	762	806
Cars Exiting Leg	47					673					37					0					757
Heavy Exiting Leg	2					45					2					0					49
Total Exiting Leg	49					718					39					0					806

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	4	0	0	4	0	0	0	0	0	0	4	0	0	4	4	153	9	0	166	174
7:15 AM	0	4	1	0	5	0	0	0	0	0	1	4	0	0	5	1	137	11	0	149	159
7:30 AM	0	4	1	0	5	0	0	0	0	0	0	10	0	0	10	5	141	14	0	160	175
7:45 AM	0	4	6	0	10	0	0	0	0	0	0	12	0	0	12	4	161	13	0	178	200
Total	0	16	8	0	24	0	0	0	0	0	1	30	0	0	31	14	592	47	0	653	708
8:00 AM	0	7	9	0	16	0	0	0	0	0	0	10	0	0	10	5	132	15	0	152	178
8:15 AM	0	5	13	0	18	0	0	0	0	0	0	7	0	0	7	8	126	9	0	143	168
8:30 AM	0	5	1	0	6	0	0	0	0	0	0	5	0	0	5	10	146	6	0	162	173
8:45 AM	0	3	9	0	12	0	0	0	0	0	1	7	0	0	8	5	140	7	0	152	172
Total	0	20	32	0	52	0	0	0	0	0	1	29	0	0	30	28	544	37	0	609	691
9:00 AM	0	4	3	0	7	0	0	0	0	0	2	5	0	0	7	9	161	8	0	178	192
9:15 AM	0	3	1	0	4	0	0	0	0	0	1	5	0	0	6	7	171	7	0	185	195
9:30 AM	0	2	4	0	6	0	0	0	0	0	0	2	0	0	2	5	165	8	0	178	186
9:45 AM	0	3	3	0	6	0	0	0	0	0	0	4	0	0	4	4	162	8	0	174	184
Total	0	12	11	0	23	0	0	0	0	0	3	16	0	0	19	25	659	31	0	715	757
Grand Total	0	48	51	0	99	0	0	0	0	0	5	75	0	0	80	67	1795	115	0	1977	2156
Approach %	0.0	48.5	51.5	0.0		0.0	0.0	0.0	0.0		6.3	93.8	0.0	0.0		3.4	90.8	5.8	0.0		
Total %	0.0	2.2	2.4	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.2	3.5	0.0	0.0	3.7	3.1	83.3	5.3	0.0	91.7	
Exiting Leg Total	190					1851					115					0					2156

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	4	3	0	7	0	0	0	0	0	2	5	0	0	7	9	161	8	0	178	192
9:15 AM	0	3	1	0	4	0	0	0	0	0	1	5	0	0	6	7	171	7	0	185	195
9:30 AM	0	2	4	0	6	0	0	0	0	0	0	2	0	0	2	5	165	8	0	178	186
9:45 AM	0	3	3	0	6	0	0	0	0	0	0	4	0	0	4	4	162	8	0	174	184
Total Volume	0	12	11	0	23	0	0	0	0	0	3	16	0	0	19	25	659	31	0	715	757
% Approach Total	0.0	52.2	47.8	0.0		0.0	0.0	0.0	0.0		15.8	84.2	0.0	0.0		3.5	92.2	4.3	0.0		
PHF	0.000	0.750	0.688	0.000	0.821	0.000	0.000	0.000	0.000	0.000	0.375	0.800	0.000	0.000	0.679	0.694	0.963	0.969	0.000	0.966	0.971
Entering Leg	0	12	11	0	23	0	0	0	0	0	3	16	0	0	19	25	659	31	0	715	757
Exiting Leg																					0
Total	70					673					56					715					1514

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	15	15
7:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	13	0	0	13	14
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	2	0	16	16
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	51	2	0	53	54
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	0	0	10	10
8:15 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	10	1	0	12	13
8:30 AM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	12
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
Total	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	2	38	1	0	41	44
9:00 AM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	1	9	0	0	10	12
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	2	0	15	15
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	10
Total	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	1	44	2	0	47	49
Grand Total	0	1	5	0	6	0	0	0	0	0	0	0	0	0	0	3	133	5	0	141	147
Approach %	0.0	16.7	83.3	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		2.1	94.3	3.5	0.0		
Total %	0.0	0.7	3.4	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	90.5	3.4	0.0	95.9	
Exiting Leg Total	5					138					4					0					147
Buses	0	1	3	0	4	0	0	0	0	0	0	0	0	0	0	2	42	3	0	47	51
% Buses	0.0	100.0	60.0	0.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	31.6	60.0	0.0	33.3	34.7
Exiting Leg Total	3					45					3					0					51
Single-Unit Trucks	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	1	82	2	0	85	87
% Single-Unit	0.0	0.0	40.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	61.7	40.0	0.0	60.3	59.2
Exiting Leg Total	2					84					1					0					87
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	6.4	6.1
Exiting Leg Total	0					9					0					0					9

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	15	15
7:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	13	0	0	13	14
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	2	0	16	16
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	0	0	10	10
Total Volume	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	51	2	0	54	55
% Approach Total	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		1.9	94.4	3.7	0.0		
PHF	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.850	0.250	0.000	0.844	0.859
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16	2	0	19	19
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	31.4	100.0	0.0	35.2	34.5
Single-Unit Trucks	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	32	0	0	32	33
Single-Unit %	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.7	0.0	0.0	59.3	60.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	5.6	5.5
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16	2	0	19	19
Single-Unit Trucks	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	32	0	0	32	33
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Total Entering Leg	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	51	2	0	54	55
Buses	2					16					1					0					19
Single-Unit Trucks	0					33					0					0					33
Articulated Trucks	0					3					0					0					3
Total Exiting Leg	2					52					1					0					55

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	4	0	0	4	0	0	0	0	0	0	4	0	0	4	4	134	9	0	147	155
7:15 AM	0	3	1	0	4	0	0	0	0	0	1	3	0	0	4	1	115	10	0	126	134
7:30 AM	0	4	1	0	5	0	0	0	0	0	0	10	0	0	10	5	129	13	0	147	162
7:45 AM	0	4	6	0	10	0	0	0	0	0	0	12	0	0	12	4	145	13	0	162	184
<b>Total</b>	0	15	8	0	23	0	0	0	0	0	1	29	0	0	30	14	523	45	0	582	635
8:00 AM	0	6	9	0	15	0	0	0	0	0	0	10	0	0	10	3	125	15	0	143	168
8:15 AM	0	5	13	0	18	0	0	0	0	0	0	7	0	0	7	8	111	7	0	126	151
8:30 AM	0	4	1	0	5	0	0	0	0	0	0	5	0	0	5	10	139	4	0	153	163
8:45 AM	0	3	9	0	12	0	0	0	0	0	1	6	0	0	7	5	130	6	0	141	160
<b>Total</b>	0	18	32	0	50	0	0	0	0	0	1	28	0	0	29	26	505	32	0	563	642
9:00 AM	0	4	3	0	7	0	0	0	0	0	2	5	0	0	7	8	147	8	0	163	177
9:15 AM	0	3	1	0	4	0	0	0	0	0	1	5	0	0	6	5	149	7	0	161	171
9:30 AM	0	0	4	0	4	0	0	0	0	0	0	2	0	0	2	4	145	6	0	155	161
9:45 AM	0	2	3	0	5	0	0	0	0	0	0	4	0	0	4	3	144	7	0	154	163
<b>Total</b>	0	9	11	0	20	0	0	0	0	0	3	16	0	0	19	20	585	28	0	633	672
Grand Total	0	42	51	0	93	0	0	0	0	0	5	73	0	0	78	60	1613	105	0	1778	1949
Approach %	0.0	45.2	54.8	0.0		0.0	0.0	0.0	0.0		6.4	93.6	0.0	0.0		3.4	90.7	5.9	0.0		
Total %	0.0	2.2	2.6	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.3	3.7	0.0	0.0	4.0	3.1	82.8	5.4	0.0	91.2	
Exiting Leg Total	178					1669					102					0					1949

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	4	3	0	7	0	0	0	0	0	2	5	0	0	7	8	147	8	0	163	177
9:15 AM	0	3	1	0	4	0	0	0	0	0	1	5	0	0	6	5	149	7	0	161	171
9:30 AM	0	0	4	0	4	0	0	0	0	0	0	2	0	0	2	4	145	6	0	155	161
9:45 AM	0	2	3	0	5	0	0	0	0	0	0	4	0	0	4	3	144	7	0	154	163
<b>Total Volume</b>	0	9	11	0	20	0	0	0	0	0	3	16	0	0	19	20	585	28	0	633	672
% Approach Total	0.0	45.0	55.0	0.0		0.0	0.0	0.0	0.0		15.8	84.2	0.0	0.0		3.2	92.4	4.4	0.0		
PHF	0.000	0.563	0.688	0.000	0.714	0.000	0.000	0.000	0.000	0.000	0.375	0.800	0.000	0.000	0.679	0.625	0.982	0.875	0.000	0.971	0.949
Entering Leg	0	9	11	0	20	0	0	0	0	0	3	16	0	0	19	20	585	28	0	633	672
Exiting Leg	44					599					29					0					672
<b>Total</b>	64					599					48					633					1344

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
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**Light Goods Vehicle**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	19	19
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	22	1	0	23	25
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1	0	13	13
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	16	16
<b>Total</b>	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	69	2	0	71	73
8:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	7	0	0	9	10
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	2	0	17	17
8:30 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7	2	0	9	10
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	10	1	0	11	12
<b>Total</b>	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	2	39	5	0	46	49
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13	0	0	14	14
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	22	0	0	24	24
9:30 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	1	20	2	0	23	25
9:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	18	1	0	20	21
<b>Total</b>	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	5	73	3	0	81	84
Grand Total	0	6	0	0	6	0	0	0	0	0	0	2	0	0	2	7	181	10	0	198	206
Approach %	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		3.5	91.4	5.1	0.0		
Total %	0.0	2.9	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	3.4	87.9	4.9	0.0	96.1	
Exiting Leg Total	12					181					13					0					206

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13	0	0	14	14
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	22	0	0	24	24
9:30 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	1	20	2	0	23	25
9:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	18	1	0	20	21
<b>Total Volume</b>	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	5	73	3	0	81	84
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		6.2	90.1	3.7	0.0		
PHF	0.000	0.375	0.000	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.830	0.375	0.000	0.844	0.840
Entering Leg	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	5	73	3	0	81	84
Exiting Leg	3					73					8					0					84
<b>Total</b>	6					73					8					81					168

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Howard Street					River Street					Kelly Road					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1					
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3					
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4					
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0	8	8					
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	2	0	16	16					
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	4					
8:15 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	5	1	0	7	8					
8:30 AM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	7					
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5					
<b>Total</b>	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	2	18	1	0	21	24					
9:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3					
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3					
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3					
<b>Total</b>	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	11					
<b>Grand Total</b>	0	1	3	0	4	0	0	0	0	0	0	0	0	0	0	2	42	3	0	47	51					
Approach %	0.0	25.0	75.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		4.3	89.4	6.4	0.0							
Total %	0.0	2.0	5.9	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	82.4	5.9	0.0	92.2						
Exiting Leg Total						3					45					3					0					51

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0	8	8					
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	4					
8:15 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	5	1	0	7	8					
8:30 AM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	7					
<b>Total Volume</b>	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	2	19	3	0	24	27					
<b>% Approach Total</b>	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		8.3	79.2	12.5	0.0							
PHF	0.000	0.000	0.375	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.792	0.375	0.000	0.750	0.844					
Entering Leg	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	2	19	3	0	24	27					
Exiting Leg						3					22					2					0					27
<b>Total</b>						6					22					2					24					54

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Howard Street					River Street					Kelly Road					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7					
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	11					
7:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	8					
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8					
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	33	0	0	33	34					
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6					
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5					
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5					
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4					
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	20	20					
9:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	7	0	0	8	9					
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	0	11	11					
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7					
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6					
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	29	2	0	32	33					
Grand Total	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	1	82	2	0	85	87					
Approach %	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		1.2	96.5	2.4	0.0							
Total %	0.0	0.0	2.3	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	94.3	2.3	0.0	97.7						
Exiting Leg Total						2					84					1					0					87

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	11
7:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	8
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
Total Volume	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	33	0	0	33	34
% Approach Total	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.750	0.773
Entering Leg	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	33	0	0	33	34
Exiting Leg						0					34					0					34
Total	1					34					0					33					68



PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



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 Email: datarequests@pdillc.com

**Articulated Trucks**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					9					0					0					9

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.625	0.625
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Exiting Leg	0					5					0					0					5
Total	0					5					0					5					10

PDI File #: 186591-32  
 Location: N: Howard Street S: Kelly Road  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Howard Street							River Street							Kelly Road							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3		
7:15 AM	0	1	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3		
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
7:45 AM	0	1	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	17		
Total	0	3	3	0	0	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	25		
8:00 AM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	13		
8:15 AM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	14		
8:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	3	0	4	1	0	0	0	0	1	6	10			
8:45 AM	0	3	1	0	0	0	4	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	7			
Total	0	5	2	0	0	0	7	2	0	0	0	0	0	2	0	6	0	0	0	0	1	7	0	26	1	28	44		
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	0	0	0	9	10			
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5			
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1			
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	2			
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	16	18			
Grand Total	0	8	5	0	0	1	14	2	0	0	0	0	0	2	0	17	0	0	0	1	18	2	48	2	0	0	1	53	87
Approach %	0.0	57.1	35.7	0.0	0.0	7.1		100.0	0.0	0.0	0.0	0.0	0.0		0.0	94.4	0.0	0.0	0.0	5.6		3.8	90.6	3.8	0.0	0.0	1.9		
Total %	0.0	9.2	5.7	0.0	0.0	1.1	16.1	2.3	0.0	0.0	0.0	0.0	0.0	2.3	0.0	19.5	0.0	0.0	0.0	1.1	20.7	2.3	55.2	2.3	0.0	0.0	1.1	60.9	
Exiting Leg Total	22							53							11							1							87

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Howard Street							River Street							Kelly Road							River Street							Total					
	from North							from East							from South							from West												
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total						
7:45 AM	0	1	2	0	0	0	3	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7	2	4	1	0	0	0	7	17	
8:00 AM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	8	0	8	0	0	0	0	8	13
8:15 AM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	12	0	0	0	0	0	0	12	0	12	0	0	0	0	12	14	
8:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	0	0	0	0	1	3	0	4	1	0	0	1	6	10				
Total Volume	0	3	3	0	0	0	6	1	0	0	0	0	0	1	0	13	0	0	0	0	1	14	2	28	2	0	0	1	33	54				
% Approach Total	0.0	50.0	50.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0	0.0	0.0		0.0	92.9	0.0	0.0	0.0	7.1		6.1	84.8	6.1	0.0	0.0	3.0							
PHF	0.000	0.375	0.375	0.000	0.000	0.000	0.500	0.250	0.000	0.000	0.000	0.000	0.250	0.000	0.464	0.000	0.000	0.000	0.250	0.500	0.250	0.583	0.500	0.000	0.000	0.250	0.688	0.794						
Entering Leg	0	3	3	0	0	0	6	1	0	0	0	0	0	1	0	13	0	0	0	0	1	14	2	28	2	0	0	1	33	54				
Exiting Leg	16							31							6							1							54					
Total	22							32							20							34							108					

PDI File #: 186591-32  
 Location: N: Howard Street S: Kelly Road  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Howard Street							River Street							Kelly Road							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	4	1	5	0	0	0	0	0	0	0	0	0	0	0	2	6	8	0	0	0	0	3	0	3	16
7:15 AM	0	0	0	0	4	4	8	0	0	0	0	0	1	1	0	0	0	0	2	3	5	0	0	0	0	3	2	5	19
7:30 AM	0	0	0	0	4	1	5	0	0	0	0	1	0	1	0	0	0	0	2	9	11	0	0	0	0	7	2	9	26
7:45 AM	0	0	0	0	4	4	8	0	0	0	0	0	0	0	0	0	0	0	2	12	14	0	0	0	0	2	3	5	27
Total	0	0	0	0	16	10	26	0	0	0	0	1	1	2	0	0	0	0	8	30	38	0	0	0	0	15	7	22	88
8:00 AM	0	0	0	0	8	2	10	0	0	0	0	0	0	0	0	0	0	2	8	10	0	0	0	0	5	5	10	30	
8:15 AM	0	0	0	0	3	2	5	0	0	0	0	1	1	2	0	0	0	0	5	10	15	0	0	0	0	1	3	4	26
8:30 AM	0	0	0	0	7	7	14	0	0	0	0	1	1	2	0	0	0	0	8	13	21	0	0	0	0	8	12	20	57
8:45 AM	0	0	0	0	7	2	9	0	0	0	0	4	0	4	0	0	0	0	2	11	13	0	0	0	0	2	13	15	41
Total	0	0	0	0	25	13	38	0	0	0	0	6	2	8	0	0	0	0	17	42	59	0	0	0	0	16	33	49	154
9:00 AM	0	0	0	0	3	0	3	0	0	0	0	0	1	1	0	0	0	0	4	9	13	0	0	0	0	5	3	8	25
9:15 AM	0	0	0	0	2	5	7	0	0	0	0	0	0	0	0	0	0	0	3	3	6	0	0	0	0	3	3	6	19
9:30 AM	0	0	0	0	2	4	6	0	0	0	0	0	0	0	0	0	0	0	6	8	14	0	0	0	0	4	1	5	25
9:45 AM	0	0	0	0	1	5	6	0	0	0	0	0	1	1	0	0	0	0	3	5	8	0	0	0	0	4	1	5	20
Total	0	0	0	0	8	14	22	0	0	0	0	0	2	2	0	0	0	0	16	25	41	0	0	0	0	16	8	24	89
Grand Total	0	0	0	0	49	37	86	0	0	0	0	7	5	12	0	0	0	0	41	97	138	0	0	0	0	47	48	95	331
Approach %	0	0	0	0	57	43		0	0	0	0	58.3	41.7		0	0	0	0	29.7	70.3		0	0	0	0	49.5	50.5		
Total %	0	0	0	0	14.8	11.2	26	0	0	0	0	2.11	1.51	3.63	0	0	0	0	12.4	29.3	41.7	0	0	0	0	14.2	14.5	28.7	
Exiting Leg Total	86							12							138							95							331

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Howard Street							River Street							Kelly Road							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:00 AM	0	0	0	0	8	2	10	0	0	0	0	0	0	0	0	0	0	0	2	8	10	0	0	0	0	5	5	10	30
8:15 AM	0	0	0	0	3	2	5	0	0	0	0	1	1	2	0	0	0	0	5	10	15	0	0	0	0	1	3	4	26
8:30 AM	0	0	0	0	7	7	14	0	0	0	0	1	1	2	0	0	0	0	8	13	21	0	0	0	0	8	12	20	57
8:45 AM	0	0	0	0	7	2	9	0	0	0	0	4	0	4	0	0	0	0	2	11	13	0	0	0	0	2	13	15	41
Total Volume	0	0	0	0	25	13	38	0	0	0	0	6	2	8	0	0	0	0	17	42	59	0	0	0	0	16	33	49	154
% Approach Total	0.0	0.0	0.0	0.0	65.8	34.2		0.0	0.0	0.0	0.0	75.0	25.0		0.0	0.0	0.0	0.0	28.8	71.2		0.0	0.0	0.0	0.0	32.7	67.3		
PHF	0.000	0.000	0.000	0.000	0.781	0.464	0.679	0.000	0.000	0.000	0.000	0.375	0.500	0.500	0.000	0.000	0.000	0.000	0.531	0.808	0.702	0.000	0.000	0.000	0.000	0.500	0.635	0.613	0.675
Entering Leg	0	0	0	0	25	13	38	0	0	0	0	6	2	8	0	0	0	0	17	42	59	0	0	0	0	16	33	49	154
Exiting Leg	38							8							59							49							154
Total	76							16							118							98							308

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	4	8	0	12	0	0	0	0	0	0	4	0	0	4	2	147	14	0	163	179
4:45 PM	0	2	6	0	8	0	0	0	0	0	1	14	0	0	15	2	142	19	0	163	186
<b>Total</b>	0	6	14	0	20	0	0	0	0	0	1	18	0	0	19	4	289	33	0	326	365
5:00 PM	0	3	7	0	10	0	0	0	0	0	2	10	0	0	12	3	125	16	0	144	166
5:15 PM	0	6	4	0	10	0	0	0	0	0	0	9	0	0	9	5	153	10	0	168	187
5:30 PM	0	4	4	0	8	0	0	0	0	0	3	11	0	0	14	3	148	22	0	173	195
5:45 PM	0	3	4	0	7	0	0	0	0	0	2	35	0	0	37	4	145	31	0	180	224
<b>Total</b>	0	16	19	0	35	0	0	0	0	0	7	65	0	0	72	15	571	79	0	665	772
6:00 PM	0	5	2	0	7	0	0	0	0	0	0	15	0	0	15	2	160	22	0	184	206
6:15 PM	0	7	4	0	11	0	0	0	0	0	2	13	0	0	15	6	169	14	0	189	215
6:30 PM	0	5	6	0	11	0	0	0	0	0	0	8	0	0	8	6	152	12	0	170	189
6:45 PM	0	4	1	0	5	0	0	0	0	0	0	9	0	0	9	9	161	14	0	184	198
<b>Total</b>	0	21	13	0	34	0	0	0	0	0	2	45	0	0	47	23	642	62	0	727	808
7:00 PM	0	1	5	0	6	0	0	0	0	0	0	7	0	0	7	5	148	12	0	165	178
7:15 PM	0	0	4	0	4	0	0	0	0	0	0	7	0	0	7	5	137	11	0	153	164
<b>Total</b>	0	1	9	0	10	0	0	0	0	0	0	14	0	0	14	10	285	23	0	318	342
Grand Total	0	44	55	0	99	0	0	0	0	0	10	142	0	0	152	52	1787	197	0	2036	2287
Approach %	0.0	44.4	55.6	0.0		0.0	0.0	0.0	0.0		6.6	93.4	0.0	0.0		2.6	87.8	9.7	0.0		
Total %	0.0	1.9	2.4	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.4	6.2	0.0	0.0	6.6	2.3	78.1	8.6	0.0	89.0	
Exiting Leg Total	339					1852					96					0					2287
Cars	0	44	50	0	94	0	0	0	0	0	9	141	0	0	150	52	1739	196	0	1987	2231
% Cars	0.0	100.0	90.9	0.0	94.9	0.0	0.0	0.0	0.0	0.0	90.0	99.3	0.0	0.0	98.7	100.0	97.3	99.5	0.0	97.6	97.6
Exiting Leg Total	337					1798					96					0					2231
Heavy Vehicles	0	0	5	0	5	0	0	0	0	0	1	1	0	0	2	0	48	1	0	49	56
% Heavy Vehicles	0.0	0.0	9.1	0.0	5.1	0.0	0.0	0.0	0.0	0.0	10.0	0.7	0.0	0.0	1.3	0.0	2.7	0.5	0.0	2.4	2.4
Exiting Leg Total	2					54					0					0					56

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	4	4	0	8	0	0	0	0	0	3	11	0	0	14	3	148	22	0	173	195
5:45 PM	0	3	4	0	7	0	0	0	0	0	2	35	0	0	37	4	145	31	0	180	224
6:00 PM	0	5	2	0	7	0	0	0	0	0	0	15	0	0	15	2	160	22	0	184	206
6:15 PM	0	7	4	0	11	0	0	0	0	0	2	13	0	0	15	6	169	14	0	189	215
Total Volume	0	19	14	0	33	0	0	0	0	0	7	74	0	0	81	15	622	89	0	726	840
% Approach Total	0.0	57.6	42.4	0.0		0.0	0.0	0.0	0.0		8.6	91.4	0.0	0.0		2.1	85.7	12.3	0.0		
PHF	0.000	0.679	0.875	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.583	0.529	0.000	0.000	0.547	0.625	0.920	0.718	0.000	0.960	0.938
Cars	0	19	13	0	32	0	0	0	0	0	6	74	0	0	80	15	606	88	0	709	821
Cars %	0.0	100.0	92.9	0.0	97.0	0.0	0.0	0.0	0.0	0.0	85.7	100.0	0.0	0.0	98.8	100.0	97.4	98.9	0.0	97.7	97.7
Heavy Vehicles	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	16	1	0	17	19
Heavy Vehicles %	0.0	0.0	7.1	0.0	3.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	0.0	1.2	0.0	2.6	1.1	0.0	2.3	2.3
Cars Enter Leg	0	19	13	0	32	0	0	0	0	0	6	74	0	0	80	15	606	88	0	709	821
Heavy Enter Leg	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	16	1	0	17	19
Total Entering Leg	0	19	14	0	33	0	0	0	0	0	7	74	0	0	81	15	622	89	0	726	840
Cars Exiting Leg	162					625					34					0					821
Heavy Exiting Leg	1					18					0					0					19
Total Exiting Leg	163					643					34					0					840

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	4	8	0	12	0	0	0	0	0	0	4	0	0	4	2	144	14	0	160	176
4:45 PM	0	2	6	0	8	0	0	0	0	0	1	13	0	0	14	2	134	19	0	155	177
Total	0	6	14	0	20	0	0	0	0	0	1	17	0	0	18	4	278	33	0	315	353
5:00 PM	0	3	7	0	10	0	0	0	0	0	2	10	0	0	12	3	124	16	0	143	165
5:15 PM	0	6	2	0	8	0	0	0	0	0	0	9	0	0	9	5	148	10	0	163	180
5:30 PM	0	4	3	0	7	0	0	0	0	0	2	11	0	0	13	3	146	21	0	170	190
5:45 PM	0	3	4	0	7	0	0	0	0	0	2	35	0	0	37	4	134	31	0	169	213
Total	0	16	16	0	32	0	0	0	0	0	6	65	0	0	71	15	552	78	0	645	748
6:00 PM	0	5	2	0	7	0	0	0	0	0	0	15	0	0	15	2	158	22	0	182	204
6:15 PM	0	7	4	0	11	0	0	0	0	0	2	13	0	0	15	6	168	14	0	188	214
6:30 PM	0	5	5	0	10	0	0	0	0	0	0	8	0	0	8	6	146	12	0	164	182
6:45 PM	0	4	1	0	5	0	0	0	0	0	0	9	0	0	9	9	156	14	0	179	193
Total	0	21	12	0	33	0	0	0	0	0	2	45	0	0	47	23	628	62	0	713	793
7:00 PM	0	1	5	0	6	0	0	0	0	0	0	7	0	0	7	5	145	12	0	162	175
7:15 PM	0	0	3	0	3	0	0	0	0	0	0	7	0	0	7	5	136	11	0	152	162
Total	0	1	8	0	9	0	0	0	0	0	0	14	0	0	14	10	281	23	0	314	337
Grand Total	0	44	50	0	94	0	0	0	0	0	9	141	0	0	150	52	1739	196	0	1987	2231
Approach %	0.0	46.8	53.2	0.0		0.0	0.0	0.0	0.0		6.0	94.0	0.0	0.0		2.6	87.5	9.9	0.0		
Total %	0.0	2.0	2.2	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.4	6.3	0.0	0.0	6.7	2.3	77.9	8.8	0.0	89.1	
Exiting Leg Total	337					1798					96					0					2231

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	4	3	0	7	0	0	0	0	0	2	11	0	0	13	3	146	21	0	170	190
5:45 PM	0	3	4	0	7	0	0	0	0	0	2	35	0	0	37	4	134	31	0	169	213
6:00 PM	0	5	2	0	7	0	0	0	0	0	0	15	0	0	15	2	158	22	0	182	204
6:15 PM	0	7	4	0	11	0	0	0	0	0	2	13	0	0	15	6	168	14	0	188	214
Total Volume	0	19	13	0	32	0	0	0	0	0	6	74	0	0	80	15	606	88	0	709	821
% Approach Total	0.0	59.4	40.6	0.0		0.0	0.0	0.0	0.0		7.5	92.5	0.0	0.0		2.1	85.5	12.4	0.0		
PHF	0.000	0.679	0.813	0.000	0.727	0.000	0.000	0.000	0.000	0.000	0.750	0.529	0.000	0.000	0.541	0.625	0.902	0.710	0.000	0.943	0.959
Entering Leg	0	19	13	0	32	0	0	0	0	0	6	74	0	0	80	15	606	88	0	709	821
Exiting Leg	162					625					34					0					821
Total	194					625					114					709					1642

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	8	0	0	8	9
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	11	0	0	11	12
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	7
5:30 PM	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	2	1	0	3	5
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	11	
<b>Total</b>	0	0	3	0	3	0	0	0	0	0	1	0	0	0	1	0	19	1	0	20	24
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
6:30 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	6	0	0	6	7	
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5	
<b>Total</b>	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	14	0	0	14	15	
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3	
7:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	
<b>Total</b>	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	4	0	0	4	5	
Grand Total	0	0	5	0	5	0	0	0	0	0	1	1	0	0	2	0	48	1	0	49	56
Approach %	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		50.0	50.0	0.0	0.0		0.0	98.0	2.0	0.0		
Total %	0.0	0.0	8.9	0.0	8.9	0.0	0.0	0.0	0.0	0.0	1.8	1.8	0.0	0.0	3.6	0.0	85.7	1.8	0.0	87.5	
Exiting Leg Total						2					54					0					56
Buses	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	32	0	0	32	33	
% Buses	0.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	0.0	0.0	65.3	58.9	
Exiting Leg Total	0					33					0					0					33
Single-Unit Trucks	0	0	4	0	4	0	0	0	0	0	1	1	0	0	2	0	14	1	0	15	21
% Single-Unit	0.0	0.0	80.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0	0.0	0.0	100.0	0.0	29.2	100.0	0.0	30.6	37.5
Exiting Leg Total	2					19					0					0					21
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	4.1	3.6
Exiting Leg Total	0					2					0					0					2

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

5:15 PM	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:15 PM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	7
5:30 PM	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	2	1	0	3	5
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	11	
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	
Total Volume	0	0	3	0	3	0	0	0	0	0	1	0	0	0	1	0	20	1	0	21	25
% Approach Total	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0		0.0	95.2	4.8	0.0		
PHF	0.000	0.000	0.375	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.455	0.250	0.000	0.477	0.568
Buses	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	14	0	0	14	15	
Buses %	0.0	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0	0.0	0.0	66.7	60.0	
Single-Unit Trucks	0	0	2	0	2	0	0	0	0	0	1	0	0	0	1	0	5	1	0	6	9
Single-Unit %	0.0	0.0	66.7	0.0	66.7	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	25.0	100.0	0.0	28.6	36.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.8	4.0	
Buses	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	14	0	0	14	15	
Single-Unit Trucks	0	0	2	0	2	0	0	0	0	0	1	0	0	0	1	0	5	1	0	6	9
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
Total Entering Leg	0	0	3	0	3	0	0	0	0	0	1	0	0	0	1	0	20	1	0	21	25
Buses	0					15					0					0					15
Single-Unit Trucks	1					8					0					0					9
Articulated Trucks	0					1					0					0					1
Total Exiting Leg	1					24					0					0					25

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	4	7	0	11	0	0	0	0	0	0	4	0	0	4	2	139	12	0	153	168
4:45 PM	0	2	6	0	8	0	0	0	0	0	1	13	0	0	14	2	129	19	0	150	172
<b>Total</b>	0	6	13	0	19	0	0	0	0	0	1	17	0	0	18	4	268	31	0	303	340
5:00 PM	0	3	7	0	10	0	0	0	0	0	2	10	0	0	12	3	118	16	0	137	159
5:15 PM	0	5	2	0	7	0	0	0	0	0	0	9	0	0	9	5	143	8	0	156	172
5:30 PM	0	4	3	0	7	0	0	0	0	0	2	11	0	0	13	3	144	20	0	167	187
5:45 PM	0	3	4	0	7	0	0	0	0	0	2	35	0	0	37	3	128	31	0	162	206
<b>Total</b>	0	15	16	0	31	0	0	0	0	0	6	65	0	0	71	14	533	75	0	622	724
6:00 PM	0	5	2	0	7	0	0	0	0	0	0	13	0	0	13	1	151	20	0	172	192
6:15 PM	0	7	4	0	11	0	0	0	0	0	2	13	0	0	15	6	162	13	0	181	207
6:30 PM	0	4	5	0	9	0	0	0	0	0	0	8	0	0	8	5	143	12	0	160	177
6:45 PM	0	4	0	0	4	0	0	0	0	0	0	9	0	0	9	9	153	14	0	176	189
<b>Total</b>	0	20	11	0	31	0	0	0	0	0	2	43	0	0	45	21	609	59	0	689	765
7:00 PM	0	1	5	0	6	0	0	0	0	0	0	7	0	0	7	5	141	11	0	157	170
7:15 PM	0	0	3	0	3	0	0	0	0	0	0	7	0	0	7	5	134	11	0	150	160
<b>Total</b>	0	1	8	0	9	0	0	0	0	0	0	14	0	0	14	10	275	22	0	307	330
<b>Grand Total</b>	0	42	48	0	90	0	0	0	0	0	9	139	0	0	148	49	1685	187	0	1921	2159
Approach %	0.0	46.7	53.3	0.0		0.0	0.0	0.0	0.0		6.1	93.9	0.0	0.0		2.6	87.7	9.7	0.0		
Total %	0.0	1.9	2.2	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.4	6.4	0.0	0.0	6.9	2.3	78.0	8.7	0.0	89.0	
Exiting Leg Total	326					1742					91					0					2159

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	4	3	0	7	0	0	0	0	0	2	11	0	0	13	3	144	20	0	167	187
5:45 PM	0	3	4	0	7	0	0	0	0	0	2	35	0	0	37	3	128	31	0	162	206
6:00 PM	0	5	2	0	7	0	0	0	0	0	0	13	0	0	13	1	151	20	0	172	192
6:15 PM	0	7	4	0	11	0	0	0	0	0	2	13	0	0	15	6	162	13	0	181	207
<b>Total Volume</b>	0	19	13	0	32	0	0	0	0	0	6	72	0	0	78	13	585	84	0	682	792
<b>% Approach Total</b>	0.0	59.4	40.6	0.0		0.0	0.0	0.0	0.0		7.7	92.3	0.0	0.0		1.9	85.8	12.3	0.0		
PHF	0.000	0.679	0.813	0.000	0.727	0.000	0.000	0.000	0.000	0.000	0.750	0.514	0.000	0.000	0.527	0.542	0.903	0.677	0.000	0.942	0.957
Entering Leg	0	19	13	0	32	0	0	0	0	0	6	72	0	0	78	13	585	84	0	682	792
Exiting Leg	156					604					32					0					792
<b>Total</b>	188					604					110					682					1584

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



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**Light Goods Vehicle**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	5	2	0	7	8
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	10	2	0	12	13
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	2	0	7	8
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	3
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	7	7
Total	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19	3	0	23	24
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	7	2	0	10	12
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	7	7
6:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	5
6:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
Total	0	1	1	0	2	0	0	0	0	0	0	2	0	0	2	2	18	3	0	23	27
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	4
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	6	6
Grand Total	0	2	2	0	4	0	0	0	0	0	0	2	0	0	2	3	52	9	0	64	70
Approach %	0.0	50.0	50.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		4.7	81.3	14.1	0.0		
Total %	0.0	2.9	2.9	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	2.9	4.3	74.3	12.9	0.0	91.4	
Exiting Leg Total	11					54					5					0					70

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	7	7
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	7	2	0	10	12
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	7	7
6:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	5
Total Volume	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	3	22	3	0	28	31
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		10.7	78.6	10.7	0.0		
PHF	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.750	0.786	0.375	0.000	0.700	0.646
Entering Leg	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	3	22	3	0	28	31
Exiting Leg	5					22					4					0					31
Total	6					22					6					28					62



PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	13	0	0	13	14
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Grand Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	32	0	0	32	33
Approach %	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	3.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.0	0.0	0.0	97.0	
Exiting Leg Total	0					33					0					0					33

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	15
% Approach Total	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.389	0.000	0.000	0.389	0.417
Entering Leg	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	15
Exiting Leg	0					15					0					0					15
Total	1					15					0					14					30

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	4	0	0	4	5
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	5	0	0	5	6
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
5:30 PM	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	1	1	0	2	4
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Total	0	0	2	0	2	0	0	0	0	0	1	0	0	0	1	0	6	1	0	7	10
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Grand Total	0	0	4	0	4	0	0	0	0	0	1	1	0	0	2	0	14	1	0	15	21
Approach %	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		50.0	50.0	0.0	0.0		0.0	93.3	6.7	0.0		
Total %	0.0	0.0	19.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	0.0	0.0	9.5	0.0	66.7	4.8	0.0	71.4	
Exiting Leg Total	2					19					0					0					21

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	4	0	0	4	5
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
5:30 PM	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	1	1	0	2	4
Total Volume	0	0	2	0	2	0	0	0	0	0	1	1	0	0	2	0	8	1	0	9	13
% Approach Total	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		50.0	50.0	0.0	0.0		0.0	88.9	11.1	0.0		
PHF	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.500	0.000	0.500	0.250	0.000	0.563	0.650
Entering Leg	0	0	2	0	2	0	0	0	0	0	1	1	0	0	2	0	8	1	0	9	13
Exiting Leg																11					0
Total	4					11					2					9					26

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					2					0					0					2

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Howard Street					River Street					Kelly Road					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.500
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Exiting Leg	0					2					0					0					2
Total	0					2					0					2					4

PDI File #: 186591-32  
 Location: N: Howard Street S: Kelly Road  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Howard Street							River Street							Kelly Road							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
4:45 PM	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3		
Total	0	1	1	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4		
5:00 PM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6		
5:15 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4		
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3		
5:45 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4		
Total	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	17		
6:00 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5		
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3		
6:30 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5		
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2		
Total	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13	15		
7:00 PM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6		
7:15 PM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4		
Total	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10		
Grand Total	0	7	3	0	1	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	31	46		
Approach %	0.0	63.6	27.3	0.0	9.1	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	6.5	90.3	0.0	0.0	0.0	3.2			
Total %	0.0	15.2	6.5	0.0	2.2	0.0	23.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0	0.0	0.0	4.3	60.9	0.0	0.0	0.0	2.2	67.4		
Exiting Leg Total	5							31							9							1							46

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Howard Street							River Street							Kelly Road							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:00 PM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6		
5:15 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4		
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3		
5:45 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4		
Total Volume	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	12	17		
% Approach Total	0.0	100.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0			
PHF	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.750	0.000	0.000	0.000	0.750	0.708	
Entering Leg	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	12	17		
Exiting Leg	1							12							4							0							17
Total	5							12							5							12							34

PDI File #: **186591-32**  
 Location: **N: Howard Street S: Kelly Road**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



**Pedestrians**

	Howard Street								River Street								Kelly Road								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	0	0	0	5	12	17	0	0	0	0	0	1	1	0	0	0	0	4	5	9	0	0	0	0	1	3	4	31				
4:45 PM	0	0	0	0	5	2	7	0	0	0	0	2	0	2	0	0	0	0	5	5	10	0	0	0	0	2	2	4	23				
Total	0	0	0	0	10	14	24	0	0	0	0	2	1	3	0	0	0	0	9	10	19	0	0	0	0	3	5	8	54				
5:00 PM	0	0	0	0	8	2	10	0	0	0	0	0	1	1	0	0	0	0	16	5	21	0	0	0	0	7	3	10	42				
5:15 PM	0	0	0	0	7	5	12	0	0	0	0	1	0	1	0	0	0	0	12	13	25	0	0	0	0	2	2	4	42				
5:30 PM	0	0	0	0	3	5	8	0	0	0	0	0	1	1	0	0	0	0	16	9	25	0	0	0	0	2	6	8	42				
5:45 PM	0	0	0	0	6	4	10	0	0	0	0	0	0	0	0	0	0	0	12	8	20	0	0	0	0	7	6	13	43				
Total	0	0	0	0	24	16	40	0	0	0	0	1	2	3	0	0	0	0	56	35	91	0	0	0	0	18	17	35	169				
6:00 PM	0	0	0	0	3	0	3	0	0	0	0	0	1	1	0	0	0	0	13	9	22	0	0	0	0	0	4	4	30				
6:15 PM	0	0	0	0	1	3	4	0	0	0	0	1	0	1	0	0	0	0	5	6	11	0	0	0	0	0	2	2	18				
6:30 PM	0	0	0	0	3	3	6	0	0	0	0	0	0	0	0	0	0	0	14	6	20	0	0	0	0	3	3	6	32				
6:45 PM	0	0	0	0	3	3	6	0	0	0	0	0	1	1	0	0	0	0	8	7	15	0	0	0	0	3	2	5	27				
Total	0	0	0	0	10	9	19	0	0	0	0	1	2	3	0	0	0	0	40	28	68	0	0	0	0	6	11	17	107				
7:00 PM	0	0	0	0	2	4	6	0	0	0	0	1	2	3	0	0	0	0	7	6	13	0	0	0	0	2	4	6	28				
7:15 PM	0	0	0	0	1	3	4	0	0	0	0	0	1	1	0	0	0	0	5	2	7	0	0	0	0	1	1	2	14				
Total	0	0	0	0	3	7	10	0	0	0	0	1	3	4	0	0	0	0	12	8	20	0	0	0	0	3	5	8	42				
Grand Total	0	0	0	0	47	46	93	0	0	0	0	5	8	13	0	0	0	0	117	81	198	0	0	0	0	30	38	68	372				
Approach %	0	0	0	0	50.5	49.5		0	0	0	0	38.5	61.5		0	0	0	0	59.1	40.9		0	0	0	0	44.1	55.9						
Total %	0	0	0	0	12.6	12.4	25	0	0	0	0	1.34	2.15	3.49	0	0	0	0	31.5	21.8	53.2	0	0	0	0	8.06	10.2	18.3					
Exiting Leg Total	93							13							198							68							372				

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Howard Street								River Street								Kelly Road								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:00 PM	0	0	0	0	8	2	10	0	0	0	0	0	1	1	0	0	0	0	16	5	21	0	0	0	0	7	3	10	42				
5:15 PM	0	0	0	0	7	5	12	0	0	0	0	1	0	1	0	0	0	0	12	13	25	0	0	0	0	2	2	4	42				
5:30 PM	0	0	0	0	3	5	8	0	0	0	0	0	1	1	0	0	0	0	16	9	25	0	0	0	0	2	6	8	42				
5:45 PM	0	0	0	0	6	4	10	0	0	0	0	0	0	0	0	0	0	0	12	8	20	0	0	0	0	7	6	13	43				
Total Volume	0	0	0	0	24	16	40	0	0	0	0	1	2	3	0	0	0	0	56	35	91	0	0	0	0	18	17	35	169				
% Approach Total	0.0	0.0	0.0	0.0	60.0	40.0		0.0	0.0	0.0	0.0	33.3	66.7		0.0	0.0	0.0	0.0	61.5	38.5		0.0	0.0	0.0	0.0	51.4	48.6						
PHF	0.000	0.000	0.000	0.000	0.750	0.800	0.833	0.000	0.000	0.000	0.000	0.250	0.500	0.750	0.000	0.000	0.000	0.000	0.875	0.673	0.910	0.000	0.000	0.000	0.000	0.643	0.708	0.673	0.983				
Entering Leg	0	0	0	0	24	16	40	0	0	0	0	1	2	3	0	0	0	0	56	35	91	0	0	0	0	18	17	35	169				
Exiting Leg	40							3							91							35							169				
Total	80							6							182							70							338				

PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	18	11	0	29	0	0	0	0	0	2	21	0	0	23	25	158	18	0	201	253
7:15 AM	0	21	12	0	33	0	0	0	0	0	2	25	0	0	27	28	142	14	0	184	244
7:30 AM	0	45	19	0	64	0	0	0	0	0	4	28	0	0	32	33	146	13	0	192	288
7:45 AM	0	48	13	0	61	0	0	0	0	0	6	28	0	0	34	38	165	18	0	221	316
<b>Total</b>	0	132	55	0	187	0	0	0	0	0	14	102	0	0	116	124	611	63	0	798	1101
8:00 AM	0	58	18	0	76	0	0	0	0	0	4	26	0	0	30	35	130	23	0	188	294
8:15 AM	0	48	17	0	65	0	0	0	0	0	3	32	0	0	35	46	134	8	0	188	288
8:30 AM	0	47	26	0	73	0	0	0	0	0	4	23	0	0	27	39	139	16	0	194	294
8:45 AM	0	62	25	0	87	0	0	0	0	0	4	17	0	0	21	49	125	18	0	192	300
<b>Total</b>	0	215	86	0	301	0	0	0	0	0	15	98	0	0	113	169	528	65	0	762	1176
9:00 AM	0	46	15	0	61	0	0	0	0	0	4	16	0	1	21	42	158	11	0	211	293
9:15 AM	0	42	16	0	58	0	0	0	0	0	4	20	0	0	24	33	179	21	0	233	315
9:30 AM	0	39	13	0	52	0	0	0	0	0	2	28	0	0	30	35	160	21	0	216	298
9:45 AM	0	38	21	0	59	0	0	0	0	0	5	18	0	0	23	31	160	18	0	209	291
<b>Total</b>	0	165	65	0	230	0	0	0	0	0	15	82	0	1	98	141	657	71	0	869	1197
<b>Grand Total</b>	0	512	206	0	718	0	0	0	0	0	44	282	0	1	327	434	1796	199	0	2429	3474
Approach %	0.0	71.3	28.7	0.0		0.0	0.0	0.0	0.0	0.0	13.5	86.2	0.0	0.3		17.9	73.9	8.2	0.0		
Total %	0.0	14.7	5.9	0.0	20.7	0.0	0.0	0.0	0.0	0.0	1.3	8.1	0.0	0.0	9.4	12.5	51.7	5.7	0.0	69.9	
<b>Exiting Leg Total</b>	481					2046					947					0					3474
Cars	0	483	193	0	676	0	0	0	0	0	25	265	0	1	291	401	1685	183	0	2269	3236
% Cars	0.0	94.3	93.7	0.0	94.2	0.0	0.0	0.0	0.0	0.0	56.8	94.0	0.0	100.0	89.0	92.4	93.8	92.0	0.0	93.4	93.1
Exiting Leg Total	448					1903					885					0					3236
Heavy Vehicles	0	29	13	0	42	0	0	0	0	0	19	17	0	0	36	33	111	16	0	160	238
% Heavy Vehicles	0.0	5.7	6.3	0.0	5.8	0.0	0.0	0.0	0.0	0.0	43.2	6.0	0.0	0.0	11.0	7.6	6.2	8.0	0.0	6.6	6.9
Exiting Leg Total	33					143					62					0					238

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

8:45 AM	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:45 AM	0	62	25	0	87	0	0	0	0	0	4	17	0	0	21	49	125	18	0	192	300
9:00 AM	0	46	15	0	61	0	0	0	0	0	4	16	0	1	21	42	158	11	0	211	293
9:15 AM	0	42	16	0	58	0	0	0	0	0	4	20	0	0	24	33	179	21	0	233	315
9:30 AM	0	39	13	0	52	0	0	0	0	0	2	28	0	0	30	35	160	21	0	216	298
<b>Total Volume</b>	0	189	69	0	258	0	0	0	0	0	14	81	0	1	96	159	622	71	0	852	1206
% Approach Total	0.0	73.3	26.7	0.0		0.0	0.0	0.0	0.0	0.0	14.6	84.4	0.0	1.0		18.7	73.0	8.3	0.0		
PHF	0.000	0.762	0.690	0.000	0.741	0.000	0.000	0.000	0.000	0.000	0.875	0.723	0.000	0.250	0.800	0.811	0.869	0.845	0.000	0.914	0.957
Cars	0	183	67	0	250	0	0	0	0	0	9	78	0	1	88	147	587	64	0	798	1136
Cars %	0.0	96.8	97.1	0.0	96.9	0.0	0.0	0.0	0.0	0.0	64.3	96.3	0.0	100.0	91.7	92.5	94.4	90.1	0.0	93.7	94.2
Heavy Vehicles	0	6	2	0	8	0	0	0	0	0	5	3	0	0	8	12	35	7	0	54	70
Heavy Vehicles %	0.0	3.2	2.9	0.0	3.1	0.0	0.0	0.0	0.0	0.0	35.7	3.7	0.0	0.0	8.3	7.5	5.6	9.9	0.0	6.3	5.8
Cars Enter Leg	0	183	67	0	250	0	0	0	0	0	9	78	0	1	88	147	587	64	0	798	1136
Heavy Enter Leg	0	6	2	0	8	0	0	0	0	0	5	3	0	0	8	12	35	7	0	54	70
<b>Total Entering Leg</b>	0	189	69	0	258	0	0	0	0	0	14	81	0	1	96	159	622	71	0	852	1206
Cars Exiting Leg	142					663					331					0					1136
Heavy Exiting Leg	10					42					18					0					70
<b>Total Exiting Leg</b>	152					705					349					0					1206

PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	17	11	0	28	0	0	0	0	0	0	18	0	0	18	25	151	18	0	194	240
7:15 AM	0	19	11	0	30	0	0	0	0	0	0	25	0	0	25	26	126	12	0	164	219
7:30 AM	0	39	17	0	56	0	0	0	0	0	2	25	0	0	27	29	138	13	0	180	263
7:45 AM	0	42	12	0	54	0	0	0	0	0	4	28	0	0	32	34	153	17	0	204	290
<b>Total</b>	0	117	51	0	168	0	0	0	0	0	6	96	0	0	102	114	568	60	0	742	1012
8:00 AM	0	54	17	0	71	0	0	0	0	0	1	22	0	0	23	31	123	21	0	175	269
8:15 AM	0	46	14	0	60	0	0	0	0	0	1	29	0	0	30	45	128	7	0	180	270
8:30 AM	0	45	24	0	69	0	0	0	0	0	3	22	0	0	25	34	130	15	0	179	273
8:45 AM	0	61	24	0	85	0	0	0	0	0	3	15	0	0	18	47	119	17	0	183	286
<b>Total</b>	0	206	79	0	285	0	0	0	0	0	8	88	0	0	96	157	500	60	0	717	1098
9:00 AM	0	45	15	0	60	0	0	0	0	0	1	16	0	1	18	38	151	11	0	200	278
9:15 AM	0	41	15	0	56	0	0	0	0	0	3	20	0	0	23	31	169	19	0	219	298
9:30 AM	0	36	13	0	49	0	0	0	0	0	2	27	0	0	29	31	148	17	0	196	274
9:45 AM	0	38	20	0	58	0	0	0	0	0	5	18	0	0	23	30	149	16	0	195	276
<b>Total</b>	0	160	63	0	223	0	0	0	0	0	11	81	0	1	93	130	617	63	0	810	1126
Grand Total	0	483	193	0	676	0	0	0	0	0	25	265	0	1	291	401	1685	183	0	2269	3236
Approach %	0.0	71.4	28.6	0.0		0.0	0.0	0.0	0.0		8.6	91.1	0.0	0.3		17.7	74.3	8.1	0.0		
Total %	0.0	14.9	6.0	0.0	20.9	0.0	0.0	0.0	0.0	0.0	0.8	8.2	0.0	0.0	9.0	12.4	52.1	5.7	0.0	70.1	
Exiting Leg Total	448					1903					885					0					3236

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:45 AM	0	61	24	0	85	0	0	0	0	0	3	15	0	0	18	47	119	17	0	183	286
9:00 AM	0	45	15	0	60	0	0	0	0	0	1	16	0	1	18	38	151	11	0	200	278
9:15 AM	0	41	15	0	56	0	0	0	0	0	3	20	0	0	23	31	169	19	0	219	298
9:30 AM	0	36	13	0	49	0	0	0	0	0	2	27	0	0	29	31	148	17	0	196	274
<b>Total Volume</b>	0	183	67	0	250	0	0	0	0	0	9	78	0	1	88	147	587	64	0	798	1136
% Approach Total	0.0	73.2	26.8	0.0		0.0	0.0	0.0	0.0		10.2	88.6	0.0	1.1		18.4	73.6	8.0	0.0		
PHF	0.000	0.750	0.698	0.000	0.735	0.000	0.000	0.000	0.000	0.000	0.750	0.722	0.000	0.250	0.759	0.782	0.868	0.842	0.000	0.911	0.953
Entering Leg	0	183	67	0	250	0	0	0	0	0	9	78	0	1	88	147	587	64	0	798	1136
Exiting Leg	142					663					331					0					1136
<b>Total</b>	392					663					419					798					2272

PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	1	0	0	1	0	0	0	0	0	2	3	0	0	5	0	7	0	0	7	13
7:15 AM	0	2	1	0	3	0	0	0	0	0	2	0	0	0	2	2	16	2	0	20	25
7:30 AM	0	6	2	0	8	0	0	0	0	0	2	3	0	0	5	4	8	0	0	12	25
7:45 AM	0	6	1	0	7	0	0	0	0	0	2	0	0	0	2	4	12	1	0	17	26
<b>Total</b>	0	15	4	0	19	0	0	0	0	0	8	6	0	0	14	10	43	3	0	56	89
8:00 AM	0	4	1	0	5	0	0	0	0	0	3	4	0	0	7	4	7	2	0	13	25
8:15 AM	0	2	3	0	5	0	0	0	0	0	2	3	0	0	5	1	6	1	0	8	18
8:30 AM	0	2	2	0	4	0	0	0	0	0	1	1	0	0	2	5	9	1	0	15	21
8:45 AM	0	1	1	0	2	0	0	0	0	0	1	2	0	0	3	2	6	1	0	9	14
<b>Total</b>	0	9	7	0	16	0	0	0	0	0	7	10	0	0	17	12	28	5	0	45	78
9:00 AM	0	1	0	0	1	0	0	0	0	0	3	0	0	0	3	4	7	0	0	11	15
9:15 AM	0	1	1	0	2	0	0	0	0	0	1	0	0	0	1	2	10	2	0	14	17
9:30 AM	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	4	12	4	0	20	24
9:45 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	11	2	0	14	15
<b>Total</b>	0	5	2	0	7	0	0	0	0	0	4	1	0	0	5	11	40	8	0	59	71
Grand Total	0	29	13	0	42	0	0	0	0	0	19	17	0	0	36	33	111	16	0	160	238
Approach %	0.0	69.0	31.0	0.0		0.0	0.0	0.0	0.0		52.8	47.2	0.0	0.0		20.6	69.4	10.0	0.0		
Total %	0.0	12.2	5.5	0.0	17.6	0.0	0.0	0.0	0.0	0.0	8.0	7.1	0.0	0.0	15.1	13.9	46.6	6.7	0.0	67.2	
Exiting Leg Total	33					143					62					0					238
Buses	0	12	8	0	20	0	0	0	0	0	4	10	0	0	14	14	32	5	0	51	85
% Buses	0.0	41.4	61.5	0.0	47.6	0.0	0.0	0.0	0.0	0.0	21.1	58.8	0.0	0.0	38.9	42.4	28.8	31.3	0.0	31.9	35.7
Exiting Leg Total	15					44					26					0					85
Single-Unit Trucks	0	16	5	0	21	0	0	0	0	0	14	7	0	0	21	18	70	11	0	99	141
% Single-Unit	0.0	55.2	38.5	0.0	50.0	0.0	0.0	0.0	0.0	0.0	73.7	41.2	0.0	0.0	58.3	54.5	63.1	68.8	0.0	61.9	59.2
Exiting Leg Total	18					89					34					0					141
Articulated Trucks	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	1	9	0	0	10	12
% Articulated	0.0	3.4	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	2.8	3.0	8.1	0.0	0.0	6.3	5.0
Exiting Leg Total	0					10					2					0					12

**Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:15 AM	0	2	1	0	3	0	0	0	0	0	2	0	0	0	2	2	16	2	0	20	25
7:30 AM	0	6	2	0	8	0	0	0	0	0	2	3	0	0	5	4	8	0	0	12	25
7:45 AM	0	6	1	0	7	0	0	0	0	0	2	0	0	0	2	4	12	1	0	17	26
8:00 AM	0	4	1	0	5	0	0	0	0	0	3	4	0	0	7	4	7	2	0	13	25
Total Volume	0	18	5	0	23	0	0	0	0	0	9	7	0	0	16	14	43	5	0	62	101
% Approach Total	0.0	78.3	21.7	0.0		0.0	0.0	0.0	0.0		56.3	43.8	0.0	0.0		22.6	69.4	8.1	0.0		
PHF	0.000	0.750	0.625	0.000	0.719	0.000	0.000	0.000	0.000	0.000	0.750	0.438	0.000	0.000	0.571	0.875	0.672	0.625	0.000	0.775	0.971
Buses	0	7	5	0	12	0	0	0	0	0	3	5	0	0	8	6	11	2	0	19	39
Buses %	0.0	38.9	100.0	0.0	52.2	0.0	0.0	0.0	0.0	0.0	33.3	71.4	0.0	0.0	50.0	42.9	25.6	40.0	0.0	30.6	38.6
Single-Unit Trucks	0	10	0	0	10	0	0	0	0	0	5	2	0	0	7	7	30	3	0	40	57
Single-Unit %	0.0	55.6	0.0	0.0	43.5	0.0	0.0	0.0	0.0	0.0	55.6	28.6	0.0	0.0	43.8	50.0	69.8	60.0	0.0	64.5	56.4
Articulated Trucks	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	1	2	0	0	3	5
Articulated %	0.0	5.6	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	6.3	7.1	4.7	0.0	0.0	4.8	5.0
Buses	0	7	5	0	12	0	0	0	0	0	3	5	0	0	8	6	11	2	0	19	39
Single-Unit Trucks	0	10	0	0	10	0	0	0	0	0	5	2	0	0	7	7	30	3	0	40	57
Articulated Trucks	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	1	2	0	0	3	5
Total Entering Leg	0	18	5	0	23	0	0	0	0	0	9	7	0	0	16	14	43	5	0	62	101
Buses	7					19					13					0					39
Single-Unit Trucks	5					35					17					0					57
Articulated Trucks	0					3					2					0					5
Total Exiting Leg	12					57					32					0					101



PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	16	10	0	26	0	0	0	0	0	0	17	0	0	17	23	130	16	0	169	212
7:15 AM	0	18	8	0	26	0	0	0	0	0	0	24	0	0	24	21	111	11	0	143	193
7:30 AM	0	34	15	0	49	0	0	0	0	0	2	25	0	0	27	27	129	11	0	167	243
7:45 AM	0	40	11	0	51	0	0	0	0	0	4	25	0	0	29	33	138	15	0	186	266
<b>Total</b>	0	108	44	0	152	0	0	0	0	0	6	91	0	0	97	104	508	53	0	665	914
8:00 AM	0	51	14	0	65	0	0	0	0	0	1	20	0	0	21	28	117	19	0	164	250
8:15 AM	0	40	14	0	54	0	0	0	0	0	1	25	0	0	26	40	116	7	0	163	243
8:30 AM	0	43	23	0	66	0	0	0	0	0	3	20	0	0	23	31	122	13	0	166	255
8:45 AM	0	56	21	0	77	0	0	0	0	0	3	12	0	0	15	43	111	15	0	169	261
<b>Total</b>	0	190	72	0	262	0	0	0	0	0	8	77	0	0	85	142	466	54	0	662	1009
9:00 AM	0	39	13	0	52	0	0	0	0	0	1	14	0	1	16	34	138	10	0	182	250
9:15 AM	0	35	14	0	49	0	0	0	0	0	3	20	0	0	23	29	145	19	0	193	265
9:30 AM	0	32	12	0	44	0	0	0	0	0	2	26	0	0	28	27	136	16	0	179	251
9:45 AM	0	34	18	0	52	0	0	0	0	0	5	16	0	0	21	28	134	15	0	177	250
<b>Total</b>	0	140	57	0	197	0	0	0	0	0	11	76	0	1	88	118	553	60	0	731	1016
Grand Total	0	438	173	0	611	0	0	0	0	0	25	244	0	1	270	364	1527	167	0	2058	2939
Approach %	0.0	71.7	28.3	0.0		0.0	0.0	0.0	0.0		9.3	90.4	0.0	0.4		17.7	74.2	8.1	0.0		
Total %	0.0	14.9	5.9	0.0	20.8	0.0	0.0	0.0	0.0	0.0	0.9	8.3	0.0	0.0	9.2	12.4	52.0	5.7	0.0	70.0	
Exiting Leg Total	411					1725					803					0					2939

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:30 AM	0	43	23	0	66	0	0	0	0	0	3	20	0	0	23	31	122	13	0	166	255
8:45 AM	0	56	21	0	77	0	0	0	0	0	3	12	0	0	15	43	111	15	0	169	261
9:00 AM	0	39	13	0	52	0	0	0	0	0	1	14	0	1	16	34	138	10	0	182	250
9:15 AM	0	35	14	0	49	0	0	0	0	0	3	20	0	0	23	29	145	19	0	193	265
<b>Total Volume</b>	0	173	71	0	244	0	0	0	0	0	10	66	0	1	77	137	516	57	0	710	1031
% Approach Total	0.0	70.9	29.1	0.0		0.0	0.0	0.0	0.0		13.0	85.7	0.0	1.3		19.3	72.7	8.0	0.0		
PHF	0.000	0.772	0.772	0.000	0.792	0.000	0.000	0.000	0.000	0.000	0.833	0.825	0.000	0.250	0.837	0.797	0.890	0.750	0.000	0.920	0.973
Entering Leg	0	173	71	0	244	0	0	0	0	0	10	66	0	1	77	137	516	57	0	710	1031
Exiting Leg	123					597					311					0					1031
<b>Total</b>	367					597					388					710					2062

PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



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**Light Goods Vehicle**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	2	21	2	0	25	28
7:15 AM	0	1	3	0	4	0	0	0	0	0	0	1	0	0	1	5	15	1	0	21	26
7:30 AM	0	5	2	0	7	0	0	0	0	0	0	0	0	0	0	2	9	2	0	13	20
7:45 AM	0	2	1	0	3	0	0	0	0	0	0	3	0	0	3	1	15	2	0	18	24
<b>Total</b>	0	9	7	0	16	0	0	0	0	0	0	5	0	0	5	10	60	7	0	77	98
8:00 AM	0	3	3	0	6	0	0	0	0	0	0	2	0	0	2	3	5	2	0	10	18
8:15 AM	0	6	0	0	6	0	0	0	0	0	0	4	0	0	4	4	12	0	0	16	26
8:30 AM	0	2	1	0	3	0	0	0	0	0	0	2	0	0	2	3	8	2	0	13	18
8:45 AM	0	4	3	0	7	0	0	0	0	0	0	3	0	0	3	3	8	2	0	13	23
<b>Total</b>	0	15	7	0	22	0	0	0	0	0	0	11	0	0	11	13	33	6	0	52	85
9:00 AM	0	6	2	0	8	0	0	0	0	0	0	2	0	0	2	4	12	1	0	17	27
9:15 AM	0	6	1	0	7	0	0	0	0	0	0	0	0	0	0	2	24	0	0	26	33
9:30 AM	0	4	1	0	5	0	0	0	0	0	0	1	0	0	1	4	12	1	0	17	23
9:45 AM	0	3	2	0	5	0	0	0	0	0	0	2	0	0	2	2	15	1	0	18	25
<b>Total</b>	0	19	6	0	25	0	0	0	0	0	0	5	0	0	5	12	63	3	0	78	108
Grand Total	0	43	20	0	63	0	0	0	0	0	0	21	0	0	21	35	156	16	0	207	291
Approach %	0.0	68.3	31.7	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		16.9	75.4	7.7	0.0		
Total %	0.0	14.8	6.9	0.0	21.6	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	7.2	12.0	53.6	5.5	0.0	71.1	
Exiting Leg Total	37					176					78					0					291

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	6	2	0	8	0	0	0	0	0	0	2	0	0	2	4	12	1	0	17	27
9:15 AM	0	6	1	0	7	0	0	0	0	0	0	0	0	0	0	2	24	0	0	26	33
9:30 AM	0	4	1	0	5	0	0	0	0	0	0	1	0	0	1	4	12	1	0	17	23
9:45 AM	0	3	2	0	5	0	0	0	0	0	0	2	0	0	2	2	15	1	0	18	25
<b>Total Volume</b>	0	19	6	0	25	0	0	0	0	0	0	5	0	0	5	12	63	3	0	78	108
% Approach Total	0.0	76.0	24.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		15.4	80.8	3.8	0.0		
PHF	0.000	0.792	0.750	0.000	0.781	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.625	0.750	0.656	0.750	0.000	0.750	0.818
Entering Leg	0	19	6	0	25	0	0	0	0	0	0	5	0	0	5	12	63	3	0	78	108
Exiting Leg	8					69					31					0					108
<b>Total</b>	33					69					36					78					216

PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	1	0	0	1	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0	4
7:15 AM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	1	3	1	0	5						7
7:30 AM	0	3	2	0	5	0	0	0	0	0	0	3	0	0	3	2	2	0	0	4						12
7:45 AM	0	2	1	0	3	0	0	0	0	0	1	0	0	0	1	1	4	1	0	6						10
<b>Total</b>	0	7	4	0	11	0	0	0	0	0	2	5	0	0	7	4	9	2	0	15						33
8:00 AM	0	1	1	0	2	0	0	0	0	0	2	2	0	0	4	2	2	0	0	4						10
8:15 AM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	1	3	1	0	5						8
8:30 AM	0	2	1	0	3	0	0	0	0	0	0	1	0	0	1	2	4	0	0	6						10
8:45 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	4	1	0	5						6
<b>Total</b>	0	3	4	0	7	0	0	0	0	0	2	5	0	0	7	5	13	2	0	20						34
9:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	3	0	0	5						6
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2						2
9:30 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	3	0	0	5						6
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4						4
<b>Total</b>	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	5	10	1	0	16						18
<b>Grand Total</b>	0	12	8	0	20	0	0	0	0	0	4	10	0	0	14	14	32	5	0	51						85
Approach %	0.0	60.0	40.0	0.0		0.0	0.0	0.0	0.0		28.6	71.4	0.0	0.0		27.5	62.7	9.8	0.0							
Total %	0.0	14.1	9.4	0.0	23.5	0.0	0.0	0.0	0.0	0.0	4.7	11.8	0.0	0.0	16.5	16.5	37.6	5.9	0.0	60.0						
Exiting Leg Total	15					44					26					0					85					

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:30 AM	0	3	2	0	5	0	0	0	0	0	0	3	0	0	3	2	2	0	0	4						12
7:45 AM	0	2	1	0	3	0	0	0	0	0	1	0	0	0	1	1	4	1	0	6						10
8:00 AM	0	1	1	0	2	0	0	0	0	0	2	2	0	0	4	2	2	0	0	4						10
8:15 AM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	1	3	1	0	5						8
<b>Total Volume</b>	0	6	5	0	11	0	0	0	0	0	3	7	0	0	10	6	11	2	0	19						40
<b>% Approach Total</b>	0.0	54.5	45.5	0.0		0.0	0.0	0.0	0.0		30.0	70.0	0.0	0.0		31.6	57.9	10.5	0.0							
PHF	0.000	0.500	0.625	0.000	0.550	0.000	0.000	0.000	0.000	0.000	0.375	0.583	0.000	0.000	0.625	0.750	0.688	0.500	0.000	0.792						0.833
Entering Leg	0	6	5	0	11	0	0	0	0	0	3	7	0	0	10	6	11	2	0	19						40
Exiting Leg	9					19					12					0					40					
<b>Total</b>	20					19					22					19					80					

PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
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 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	6	0	0	6	8
7:15 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	1	13	1	0	15	17
7:30 AM	0	3	0	0	3	0	0	0	0	0	2	0	0	0	2	2	4	0	0	6	11
7:45 AM	0	3	0	0	3	0	0	0	0	0	1	0	0	0	1	3	8	0	0	11	15
<b>Total</b>	0	7	0	0	7	0	0	0	0	0	5	1	0	0	6	6	31	1	0	38	51
8:00 AM	0	3	0	0	3	0	0	0	0	0	1	2	0	0	3	1	5	2	0	8	14
8:15 AM	0	2	2	0	4	0	0	0	0	0	2	1	0	0	3	0	3	0	0	3	10
8:30 AM	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	3	5	1	0	9	11
8:45 AM	0	1	0	0	1	0	0	0	0	0	1	2	0	0	3	2	2	0	0	4	8
<b>Total</b>	0	6	3	0	9	0	0	0	0	0	5	5	0	0	10	6	15	3	0	24	43
9:00 AM	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	2	4	0	0	6	9
9:15 AM	0	1	1	0	2	0	0	0	0	0	1	0	0	0	1	1	7	2	0	10	13
9:30 AM	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	2	7	4	0	13	16
9:45 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	6	1	0	8	9
<b>Total</b>	0	3	2	0	5	0	0	0	0	0	4	1	0	0	5	6	24	7	0	37	47
<b>Grand Total</b>	0	16	5	0	21	0	0	0	0	0	14	7	0	0	21	18	70	11	0	99	141
Approach %	0.0	76.2	23.8	0.0		0.0	0.0	0.0	0.0		66.7	33.3	0.0	0.0		18.2	70.7	11.1	0.0		
Total %	0.0	11.3	3.5	0.0	14.9	0.0	0.0	0.0	0.0	0.0	9.9	5.0	0.0	0.0	14.9	12.8	49.6	7.8	0.0	70.2	
Exiting Leg Total	18					89					34					0					141

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:15 AM	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:15 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	1	13	1	0	15	17
7:30 AM	0	3	0	0	3	0	0	0	0	0	2	0	0	0	2	2	4	0	0	6	11
7:45 AM	0	3	0	0	3	0	0	0	0	0	1	0	0	0	1	3	8	0	0	11	15
8:00 AM	0	3	0	0	3	0	0	0	0	0	1	2	0	0	3	1	5	2	0	8	14
Total Volume	0	10	0	0	10	0	0	0	0	0	5	2	0	0	7	7	30	3	0	40	57
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		71.4	28.6	0.0	0.0		17.5	75.0	7.5	0.0		
PHF	0.000	0.833	0.000	0.000	0.833	0.000	0.000	0.000	0.000	0.000	0.625	0.250	0.000	0.000	0.583	0.583	0.577	0.375	0.000	0.667	0.838
Entering Leg	0	10	0	0	10	0	0	0	0	0	5	2	0	0	7	7	30	3	0	40	57
Exiting Leg	5					35					17					0					57
<b>Total</b>	15					35					24					40					114

PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
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**Articulated Trucks**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1					
7:15 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1					
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
7:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1					
Total	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	3	0	0	3	5					
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1					
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1					
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6					
Grand Total	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	1	9	0	0	10	12					
Approach %	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0		10.0	90.0	0.0	0.0							
Total %	0.0	8.3	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	8.3	8.3	75.0	0.0	0.0	83.3						
Exiting Leg Total						0					10					2					0					12

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

9:00 AM	Putnam Avenue					River Street					Putnam Avenue					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6					
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0							
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.750	0.750					
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6					
Exiting Leg						0					6					0					6					
Total						0					6					0					6					12

PDI File #: 186591-33  
 Location: N: Putnam Avenue S: Putnam Avenue  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



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**Bicycles (on Roadway and Crosswalks)**

	Putnam Avenue							River Street							Putnam Avenue							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	4		
7:15 AM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	7		
7:30 AM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	8		
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11		
Total	0	6	0	0	0	0	6	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	8	30			
8:00 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	13		
8:15 AM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	18		
8:30 AM	0	5	1	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	14		
8:45 AM	1	7	1	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	20		
Total	1	15	2	0	0	0	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	65		
9:00 AM	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	17		
9:15 AM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8		
9:30 AM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8		
9:45 AM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9		
Total	0	9	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	42		
Grand Total	1	30	2	0	0	0	33	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	39	137		
Approach %	3.0	90.9	6.1	0.0	0.0	0.0		100.0	0.0	0.0	0.0	0.0	0.0		0.0	96.9	0.0	0.0	1.6	1.6		15.4	79.5	2.6	0.0	2.6	0.0		
Total %	0.7	21.9	1.5	0.0	0.0	0.0	24.1	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	45.3	0.0	0.0	0.7	0.7	46.7	4.4	22.6	0.7	0.0	0.7	0.0	28.5	
Exiting Leg Total	64							33							38							2							137

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Putnam Avenue							River Street							Putnam Avenue							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:15 AM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	18	
8:30 AM	0	5	1	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	14	
8:45 AM	1	7	1	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	20	
9:00 AM	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	17	
Total Volume	1	19	2	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	69	
% Approach Total	4.5	86.4	9.1	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0	0.0	0.0		17.4	82.6	0.0	0.0	0.0	0.0		
PHF	0.250	0.679	0.500	0.000	0.000	0.000	0.611	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.667	0.000	0.000	0.000	0.000	0.667	0.500	0.475	0.000	0.000	0.000	0.000	0.575	0.863
Entering Leg	1	19	2	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	69	
Exiting Leg	24							21							23							1							69
Total	46							21							47							24							138

PDI File #: 186591-33  
 Location: N: Putnam Avenue S: Putnam Avenue  
 Location: E: River Street W: River Street  
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 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
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 Class:



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**Pedestrians**

	Putnam Avenue							River Street							Putnam Avenue							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	4	3	7	0	0	0	0	4	1	5	0	0	0	0	3	10	13	0	0	0	0	2	3	5	30
7:15 AM	0	0	0	0	3	3	6	0	0	0	0	1	1	2	0	0	0	0	7	6	13	0	0	0	0	3	3	6	27
7:30 AM	0	0	0	0	4	0	4	0	0	0	0	2	2	4	0	0	0	0	2	9	11	0	0	0	0	13	2	15	34
7:45 AM	0	0	0	0	3	3	6	0	0	0	0	0	9	9	0	0	0	0	4	5	9	0	0	0	0	4	5	9	33
Total	0	0	0	0	14	9	23	0	0	0	0	7	13	20	0	0	0	0	16	30	46	0	0	0	0	22	13	35	124
8:00 AM	0	0	0	0	3	8	11	0	0	0	0	3	6	9	0	0	0	0	3	10	13	0	0	0	0	4	6	10	43
8:15 AM	0	0	0	0	2	5	7	0	0	0	0	1	4	5	0	0	0	0	2	7	9	0	0	0	0	1	4	5	26
8:30 AM	0	0	0	0	3	5	8	0	0	0	0	1	17	18	0	0	0	0	3	7	10	0	0	0	0	3	2	5	41
8:45 AM	0	0	0	0	0	4	4	0	0	0	0	3	4	7	0	0	0	0	3	1	4	0	0	0	0	4	4	8	23
Total	0	0	0	0	8	22	30	0	0	0	0	8	31	39	0	0	0	0	11	25	36	0	0	0	0	12	16	28	133
9:00 AM	0	0	0	0	3	0	3	0	0	0	0	1	1	2	0	0	0	0	6	3	9	0	0	0	0	7	2	9	23
9:15 AM	0	0	0	0	0	4	4	0	0	0	0	0	1	1	0	0	0	0	2	4	6	0	0	0	0	4	1	5	16
9:30 AM	0	0	0	0	1	1	2	0	0	0	0	0	2	2	0	0	0	0	1	4	5	0	0	0	0	8	1	9	18
9:45 AM	0	0	0	0	0	5	5	0	0	0	0	0	2	2	0	0	0	0	6	4	10	0	0	0	0	3	2	5	22
Total	0	0	0	0	4	10	14	0	0	0	0	1	6	7	0	0	0	0	15	15	30	0	0	0	0	22	6	28	79
Grand Total	0	0	0	0	26	41	67	0	0	0	0	16	50	66	0	0	0	0	42	70	112	0	0	0	0	56	35	91	336
Approach %	0	0	0	0	38.8	61.2		0	0	0	0	24.2	75.8		0	0	0	0	37.5	62.5		0	0	0	0	61.5	38.5		
Total %	0	0	0	0	7.74	12.2	19.9	0	0	0	0	4.76	14.9	19.6	0	0	0	0	12.5	20.8	33.3	0	0	0	0	16.7	10.4	27.1	
Exiting Leg Total	67							66							112							91							336

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Putnam Avenue							River Street							Putnam Avenue							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:45 AM	0	0	0	0	3	3	6	0	0	0	0	0	9	9	0	0	0	0	4	5	9	0	0	0	0	4	5	9	33
8:00 AM	0	0	0	0	3	8	11	0	0	0	0	3	6	9	0	0	0	0	3	10	13	0	0	0	0	4	6	10	43
8:15 AM	0	0	0	0	2	5	7	0	0	0	0	1	4	5	0	0	0	0	2	7	9	0	0	0	0	1	4	5	26
8:30 AM	0	0	0	0	3	5	8	0	0	0	0	1	17	18	0	0	0	0	3	7	10	0	0	0	0	3	2	5	41
Total Volume	0	0	0	0	11	21	32	0	0	0	0	5	36	41	0	0	0	0	12	29	41	0	0	0	0	12	17	29	143
% Approach Total	0.0	0.0	0.0	0.0	34.4	65.6		0.0	0.0	0.0	0.0	12.2	87.8		0.0	0.0	0.0	0.0	29.3	70.7		0.0	0.0	0.0	0.0	41.4	58.6		
PHF	0.000	0.000	0.000	0.000	0.917	0.656	0.727	0.000	0.000	0.000	0.000	0.417	0.529	0.569	0.000	0.000	0.000	0.000	0.750	0.725	0.788	0.000	0.000	0.000	0.000	0.750	0.708	0.725	0.831
Entering Leg	0	0	0	0	11	21	32	0	0	0	0	5	36	41	0	0	0	0	12	29	41	0	0	0	0	12	17	29	143
Exiting Leg	32							41							41							29							143
Total	64							82							82							58							286

PDI File #: 186591-33  
 Location: N: Putnam Avenue S: Putnam Avenue  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahan/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	26	7	0	33	0	0	0	0	0	8	75	0	0	83	21	146	8	0	175	291
4:45 PM	0	27	11	0	38	0	0	0	0	0	5	88	0	0	93	25	134	16	0	175	306
<b>Total</b>	0	53	18	0	71	0	0	0	0	0	13	163	0	0	176	46	280	24	0	350	597
5:00 PM	0	21	4	0	25	0	0	0	0	0	8	55	0	0	63	23	127	20	0	170	258
5:15 PM	0	19	9	0	28	0	0	0	0	0	5	60	0	0	65	24	136	17	0	177	270
5:30 PM	0	39	14	0	53	0	0	0	0	0	7	69	0	0	76	23	141	17	0	181	310
5:45 PM	0	36	11	0	47	0	0	0	0	0	12	54	0	0	66	29	144	14	0	187	300
<b>Total</b>	0	115	38	0	153	0	0	0	0	0	32	238	0	0	270	99	548	68	0	715	1138
6:00 PM	0	31	11	1	43	0	0	0	0	0	9	58	0	0	67	27	148	9	0	184	294
6:15 PM	0	24	11	0	35	0	0	0	0	0	8	74	0	0	82	24	171	20	0	215	332
6:30 PM	0	22	11	0	33	0	0	0	0	0	6	82	0	0	88	14	146	24	0	184	305
6:45 PM	0	27	12	0	39	0	0	0	0	0	8	43	0	0	51	30	159	26	0	215	305
<b>Total</b>	0	104	45	1	150	0	0	0	0	0	31	257	0	0	288	95	624	79	0	798	1236
7:00 PM	0	29	10	0	39	0	0	0	0	0	5	27	0	0	32	21	153	23	0	197	268
7:15 PM	0	21	13	0	34	0	0	0	0	0	8	23	0	0	31	23	129	24	0	176	241
<b>Total</b>	0	50	23	0	73	0	0	0	0	0	13	50	0	0	63	44	282	47	0	373	509
Grand Total	0	322	124	1	447	0	0	0	0	0	89	708	0	0	797	284	1734	218	0	2236	3480
Approach %	0.0	72.0	27.7	0.2		0.0	0.0	0.0	0.0	0.0	11.2	88.8	0.0	0.0		12.7	77.5	9.7	0.0		
Total %	0.0	9.3	3.6	0.0	12.8	0.0	0.0	0.0	0.0	0.0	2.6	20.3	0.0	0.0	22.9	8.2	49.8	6.3	0.0	64.3	
Exiting Leg Total	927					1947					606					0					3480
Cars	0	317	121	1	439	0	0	0	0	0	89	695	0	0	784	278	1688	218	0	2184	3407
% Cars	0.0	98.4	97.6	100.0	98.2	0.0	0.0	0.0	0.0	0.0	100.0	98.2	0.0	0.0	98.4	97.9	97.3	100.0	0.0	97.7	97.9
Exiting Leg Total	914					1898					595					0					3407
Heavy Vehicles	0	5	3	0	8	0	0	0	0	0	0	13	0	0	13	6	46	0	0	52	73
% Heavy Vehicles	0.0	1.6	2.4	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.6	2.1	2.7	0.0	0.0	2.3	2.1
Exiting Leg Total	13					49					11					0					73

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	39	14	0	53	0	0	0	0	0	7	69	0	0	76	23	141	17	0	181	310
5:45 PM	0	36	11	0	47	0	0	0	0	0	12	54	0	0	66	29	144	14	0	187	300
6:00 PM	0	31	11	1	43	0	0	0	0	0	9	58	0	0	67	27	148	9	0	184	294
6:15 PM	0	24	11	0	35	0	0	0	0	0	8	74	0	0	82	24	171	20	0	215	332
Total Volume	0	130	47	1	178	0	0	0	0	0	36	255	0	0	291	103	604	60	0	767	1236
% Approach Total	0.0	73.0	26.4	0.6		0.0	0.0	0.0	0.0	0.0	12.4	87.6	0.0	0.0		13.4	78.7	7.8	0.0		
PHF	0.000	0.833	0.839	0.250	0.840	0.000	0.000	0.000	0.000	0.000	0.750	0.861	0.000	0.000	0.887	0.888	0.883	0.750	0.000	0.892	0.931
Cars	0	128	46	1	175	0	0	0	0	0	36	250	0	0	286	101	587	60	0	748	1209
Cars %	0.0	98.5	97.9	100.0	98.3	0.0	0.0	0.0	0.0	0.0	100.0	98.0	0.0	0.0	98.3	98.1	97.2	100.0	0.0	97.5	97.8
Heavy Vehicles	0	2	1	0	3	0	0	0	0	0	0	5	0	0	5	2	17	0	0	19	27
Heavy Vehicles %	0.0	1.5	2.1	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.7	1.9	2.8	0.0	0.0	2.5	2.2
Cars Enter Leg	0	128	46	1	175	0	0	0	0	0	36	250	0	0	286	101	587	60	0	748	1209
Heavy Enter Leg	0	2	1	0	3	0	0	0	0	0	0	5	0	0	5	2	17	0	0	19	27
Total Entering Leg	0	130	47	1	178	0	0	0	0	0	36	255	0	0	291	103	604	60	0	767	1236
Cars Exiting Leg	311					669					229					0					1209
Heavy Exiting Leg	5					18					4					0					27
Total Exiting Leg	316					687					233					0					1236



PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
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**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	25	7	0	32	0	0	0	0	0	8	73	0	0	81	21	143	8	0	172	285
4:45 PM	0	27	10	0	37	0	0	0	0	0	5	85	0	0	90	23	128	16	0	167	294
<b>Total</b>	0	52	17	0	69	0	0	0	0	0	13	158	0	0	171	44	271	24	0	339	579
5:00 PM	0	20	4	0	24	0	0	0	0	0	8	54	0	0	62	23	126	20	0	169	255
5:15 PM	0	18	9	0	27	0	0	0	0	0	5	59	0	0	64	24	131	17	0	172	263
5:30 PM	0	37	14	0	51	0	0	0	0	0	7	67	0	0	74	22	138	17	0	177	302
5:45 PM	0	36	10	0	46	0	0	0	0	0	12	52	0	0	64	28	134	14	0	176	286
<b>Total</b>	0	111	37	0	148	0	0	0	0	0	32	232	0	0	264	97	529	68	0	694	1106
6:00 PM	0	31	11	1	43	0	0	0	0	0	9	57	0	0	66	27	145	9	0	181	290
6:15 PM	0	24	11	0	35	0	0	0	0	0	8	74	0	0	82	24	170	20	0	214	331
6:30 PM	0	22	10	0	32	0	0	0	0	0	6	81	0	0	87	13	141	24	0	178	297
6:45 PM	0	27	12	0	39	0	0	0	0	0	8	43	0	0	51	29	155	26	0	210	300
<b>Total</b>	0	104	44	1	149	0	0	0	0	0	31	255	0	0	286	93	611	79	0	783	1218
7:00 PM	0	29	10	0	39	0	0	0	0	0	5	27	0	0	32	21	150	23	0	194	265
7:15 PM	0	21	13	0	34	0	0	0	0	0	8	23	0	0	31	23	127	24	0	174	239
<b>Total</b>	0	50	23	0	73	0	0	0	0	0	13	50	0	0	63	44	277	47	0	368	504
<b>Grand Total</b>	0	317	121	1	439	0	0	0	0	0	89	695	0	0	784	278	1688	218	0	2184	3407
Approach %	0.0	72.2	27.6	0.2		0.0	0.0	0.0	0.0		11.4	88.6	0.0	0.0		12.7	77.3	10.0	0.0		
Total %	0.0	9.3	3.6	0.0	12.9	0.0	0.0	0.0	0.0	0.0	2.6	20.4	0.0	0.0	23.0	8.2	49.5	6.4	0.0	64.1	
Exiting Leg Total	914					1898					595					0					3407

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	0	31	11	1	43	0	0	0	0	0	9	57	0	0	66	27	145	9	0	181	290
6:15 PM	0	24	11	0	35	0	0	0	0	0	8	74	0	0	82	24	170	20	0	214	331
6:30 PM	0	22	10	0	32	0	0	0	0	0	6	81	0	0	87	13	141	24	0	178	297
6:45 PM	0	27	12	0	39	0	0	0	0	0	8	43	0	0	51	29	155	26	0	210	300
<b>Total Volume</b>	0	104	44	1	149	0	0	0	0	0	31	255	0	0	286	93	611	79	0	783	1218
<b>% Approach Total</b>	0.0	69.8	29.5	0.7		0.0	0.0	0.0	0.0		10.8	89.2	0.0	0.0		11.9	78.0	10.1	0.0		
PHF	0.000	0.839	0.917	0.250	0.866	0.000	0.000	0.000	0.000	0.000	0.861	0.787	0.000	0.000	0.822	0.802	0.899	0.760	0.000	0.915	0.920
Entering Leg	0	104	44	1	149	0	0	0	0	0	31	255	0	0	286	93	611	79	0	783	1218
Exiting Leg																0					1218
<b>Total</b>	484					686					483					783					2436

PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



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**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	3	0	0	3	6
4:45 PM	0	0	1	0	1	0	0	0	0	0	0	3	0	0	3	2	6	0	0	8	12
<b>Total</b>	0	1	1	0	2	0	0	0	0	0	0	5	0	0	5	2	9	0	0	11	18
5:00 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	3
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	5	0	0	5	7
5:30 PM	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	1	3	0	0	4	8
5:45 PM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	1	10	0	0	11	14
<b>Total</b>	0	4	1	0	5	0	0	0	0	0	0	6	0	0	6	2	19	0	0	21	32
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	3	0	0	3	4
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:30 PM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	1	5	0	0	6	8
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	5	5
<b>Total</b>	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	2	13	0	0	15	18
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Grand Total	0	5	3	0	8	0	0	0	0	0	0	13	0	0	13	6	46	0	0	52	73
Approach %	0.0	62.5	37.5	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		11.5	88.5	0.0	0.0		
Total %	0.0	6.8	4.1	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	0.0	0.0	17.8	8.2	63.0	0.0	0.0	71.2	
Exiting Leg Total	13					49					11					0					73
Buses	0	4	1	0	5	0	0	0	0	0	0	9	0	0	9	6	32	0	0	38	52
% Buses	0.0	80.0	33.3	0.0	62.5	0.0	0.0	0.0	0.0	0.0	0.0	69.2	0.0	0.0	69.2	100.0	69.6	0.0	0.0	73.1	71.2
Exiting Leg Total	9					33					10					0					52
Single-Unit Trucks	0	1	2	0	3	0	0	0	0	0	0	4	0	0	4	0	12	0	0	12	19
% Single-Unit	0.0	20.0	66.7	0.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0	30.8	0.0	0.0	30.8	0.0	26.1	0.0	0.0	23.1	26.0
Exiting Leg Total	4					14					1					0					19
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	3.8	2.7
Exiting Leg Total	0					2					0					0					2

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

5:15 PM	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	5	0	0	5	7
5:30 PM	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	1	3	0	0	4	8
5:45 PM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	1	10	0	0	11	14
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	3	0	0	3	4
Total Volume	0	3	1	0	4	0	0	0	0	0	0	6	0	0	6	2	21	0	0	23	33
% Approach Total	0.0	75.0	25.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		8.7	91.3	0.0	0.0		
PHF	0.000	0.375	0.250	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.750	0.500	0.525	0.000	0.000	0.523	0.589
Buses	0	2	0	0	2	0	0	0	0	0	0	5	0	0	5	2	15	0	0	17	24
Buses %	0.0	66.7	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	83.3	0.0	0.0	83.3	100.0	71.4	0.0	0.0	73.9	72.7
Single-Unit Trucks	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	0	5	0	0	5	8
Single-Unit %	0.0	33.3	100.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	16.7	0.0	23.8	0.0	0.0	21.7	24.2
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	4.3	3.0
Buses	0	2	0	0	2	0	0	0	0	0	0	5	0	0	5	2	15	0	0	17	24
Single-Unit Trucks	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	0	5	0	0	5	8
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Entering Leg	0	3	1	0	4	0	0	0	0	0	0	6	0	0	6	2	21	0	0	23	33
Buses	5					15					4					0					24
Single-Unit Trucks	1					6					1					0					8
Articulated Trucks	0					1					0					0					1
Total Exiting Leg	6					22					5					0					33

PDI File #: **186591-33**  
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 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



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**Cars**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	25	7	0	32	0	0	0	0	0	8	68	0	0	76	20	137	8	0	165	273
4:45 PM	0	27	10	0	37	0	0	0	0	0	5	83	0	0	88	23	121	16	0	160	285
<b>Total</b>	0	52	17	0	69	0	0	0	0	0	13	151	0	0	164	43	258	24	0	325	558
5:00 PM	0	19	4	0	23	0	0	0	0	0	8	47	0	0	55	22	119	20	0	161	239
5:15 PM	0	18	9	0	27	0	0	0	0	0	5	54	0	0	59	23	126	17	0	166	252
5:30 PM	0	37	14	0	51	0	0	0	0	0	7	65	0	0	72	22	135	17	0	174	297
5:45 PM	0	36	9	0	45	0	0	0	0	0	12	49	0	0	61	28	130	14	0	172	278
<b>Total</b>	0	110	36	0	146	0	0	0	0	0	32	215	0	0	247	95	510	68	0	673	1066
6:00 PM	0	30	10	1	41	0	0	0	0	0	9	53	0	0	62	26	140	9	0	175	278
6:15 PM	0	23	10	0	33	0	0	0	0	0	8	71	0	0	79	24	166	19	0	209	321
6:30 PM	0	21	10	0	31	0	0	0	0	0	6	81	0	0	87	13	139	23	0	175	293
6:45 PM	0	27	12	0	39	0	0	0	0	0	7	40	0	0	47	27	155	25	0	207	293
<b>Total</b>	0	101	42	1	144	0	0	0	0	0	30	245	0	0	275	90	600	76	0	766	1185
7:00 PM	0	29	10	0	39	0	0	0	0	0	4	26	0	0	30	21	147	22	0	190	259
7:15 PM	0	20	12	0	32	0	0	0	0	0	8	23	0	0	31	23	126	24	0	173	236
<b>Total</b>	0	49	22	0	71	0	0	0	0	0	12	49	0	0	61	44	273	46	0	363	495
<b>Grand Total</b>	0	312	117	1	430	0	0	0	0	0	87	660	0	0	747	272	1641	214	0	2127	3304
Approach %	0.0	72.6	27.2	0.2		0.0	0.0	0.0	0.0		11.6	88.4	0.0	0.0		12.8	77.2	10.1	0.0		
Total %	0.0	9.4	3.5	0.0	13.0	0.0	0.0	0.0	0.0	0.0	2.6	20.0	0.0	0.0	22.6	8.2	49.7	6.5	0.0	64.4	
Exiting Leg Total	875					1845					584					0					3304

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	0	30	10	1	41	0	0	0	0	0	9	53	0	0	62	26	140	9	0	175	278
6:15 PM	0	23	10	0	33	0	0	0	0	0	8	71	0	0	79	24	166	19	0	209	321
6:30 PM	0	21	10	0	31	0	0	0	0	0	6	81	0	0	87	13	139	23	0	175	293
6:45 PM	0	27	12	0	39	0	0	0	0	0	7	40	0	0	47	27	155	25	0	207	293
<b>Total Volume</b>	0	101	42	1	144	0	0	0	0	0	30	245	0	0	275	90	600	76	0	766	1185
<b>% Approach Total</b>	0.0	70.1	29.2	0.7		0.0	0.0	0.0	0.0		10.9	89.1	0.0	0.0		11.7	78.3	9.9	0.0		
PHF	0.000	0.842	0.875	0.250	0.878	0.000	0.000	0.000	0.000	0.000	0.833	0.756	0.000	0.000	0.790	0.833	0.904	0.760	0.000	0.916	0.923
Entering Leg	0	101	42	1	144	0	0	0	0	0	30	245	0	0	275	90	600	76	0	766	1185
Exiting Leg	322					672					191					0					1185
<b>Total</b>	466					672					466					766					2370

PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class: **Light Goods Vehicle**



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Light Goods Vehicle**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	1	6	0	0	7	11
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	7	0	0	7	9
Total	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	1	13	0	0	14	20
5:00 PM	0	1	0	0	1	0	0	0	0	0	0	7	0	0	7	1	7	0	0	8	16
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	1	5	0	0	6	11
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	3	0	0	3	5
5:45 PM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	0	4	0	0	4	7
Total	0	1	1	0	2	0	0	0	0	0	0	16	0	0	16	2	19	0	0	21	39
6:00 PM	0	1	1	0	2	0	0	0	0	0	0	4	0	0	4	1	5	0	0	6	12
6:15 PM	0	1	1	0	2	0	0	0	0	0	0	3	0	0	3	0	4	1	0	5	10
6:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	3
6:45 PM	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	2	0	1	0	3	7
Total	0	3	2	0	5	0	0	0	0	0	1	10	0	0	11	3	10	3	0	16	32
7:00 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	3	1	0	4	6
7:15 PM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	3
Total	0	1	1	0	2	0	0	0	0	0	1	1	0	0	2	0	4	1	0	5	9
Grand Total	0	5	4	0	9	0	0	0	0	0	2	33	0	0	35	6	46	4	0	56	100
Approach %	0.0	55.6	44.4	0.0		0.0	0.0	0.0	0.0		5.7	94.3	0.0	0.0		10.7	82.1	7.1	0.0		
Total %	0.0	5.0	4.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	2.0	33.0	0.0	0.0	35.0	6.0	46.0	4.0	0.0	56.0	
Exiting Leg Total	37					52					11					0					100

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	1	6	0	0	7	11
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	7	0	0	7	9
5:00 PM	0	1	0	0	1	0	0	0	0	0	0	7	0	0	7	1	7	0	0	8	16
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	1	5	0	0	6	11
Total Volume	0	1	0	0	1	0	0	0	0	0	0	18	0	0	18	3	25	0	0	28	47
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		10.7	89.3	0.0	0.0		
PHF	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.643	0.000	0.000	0.643	0.750	0.893	0.000	0.000	0.875	0.734
Entering Leg	0	1	0	0	1	0	0	0	0	0	0	18	0	0	18	3	25	0	0	28	47
Exiting Leg	18					25					4					0					47
Total	19					25					22					28					94

PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	2	0	0	2	4
4:45 PM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	2	4	0	0	6	9
<b>Total</b>	0	1	1	0	2	0	0	0	0	0	0	3	0	0	3	2	6	0	0	8	13
5:00 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	3	0	0	3	4
5:30 PM	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	1	2	0	0	3	6
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	8	0	0	9	11
<b>Total</b>	0	3	0	0	3	0	0	0	0	0	0	5	0	0	5	2	13	0	0	15	23
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	2	3
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	4
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	4
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	9	0	0	11	12
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
<b>Grand Total</b>	0	4	1	0	5	0	0	0	0	0	0	9	0	0	9	6	32	0	0	38	52
Approach %	0.0	80.0	20.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		15.8	84.2	0.0	0.0		
Total %	0.0	7.7	1.9	0.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	17.3	0.0	0.0	17.3	11.5	61.5	0.0	0.0	73.1	
Exiting Leg Total	9					33					10					0					52

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	3	0	0	3	4
5:30 PM	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	1	2	0	0	3	6
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	8	0	0	9	11
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	2	3
<b>Total Volume</b>	0	2	0	0	2	0	0	0	0	0	0	5	0	0	5	2	15	0	0	17	24
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		11.8	88.2	0.0	0.0		
PHF	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.625	0.500	0.469	0.000	0.000	0.472	0.545
Entering Leg	0	2	0	0	2	0	0	0	0	0	0	5	0	0	5	2	15	0	0	17	24
Exiting Leg																4					0
<b>Total</b>	7					15					9					17					48

PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	2	3
Total	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	3	0	0	3	5
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
5:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
Total	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	0	5	0	0	5	8
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	3
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	3	0	0	3	5
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Grand Total	0	1	2	0	3	0	0	0	0	0	0	4	0	0	4	0	12	0	0	12	19
Approach %	0.0	33.3	66.7	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	5.3	10.5	0.0	15.8	0.0	0.0	0.0	0.0	0.0	0.0	21.1	0.0	0.0	21.1	0.0	63.2	0.0	0.0	63.2	
Exiting Leg Total	4					14					1					0					19

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	2	3
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
Total Volume	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	6	0	0	6	9
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.000	0.750	0.000	0.000	0.750	0.750
Entering Leg	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	6	0	0	6	9
Exiting Leg																1					0
Total	3					6					3					6					18

PDI File #: **186591-33**  
 Location: **N: Putnam Avenue S: Putnam Avenue**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					2					0					0					2

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Putnam Avenue					River Street					Putnam Avenue					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.500
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Exiting Leg	0					2					0					0					2
Total	0					2					0					2					4

PDI File #: 186591-33  
 Location: N: Putnam Avenue S: Putnam Avenue  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Putnam Avenue							River Street							Putnam Avenue							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2			
4:45 PM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	6			
Total	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	8			
5:00 PM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	4	9			
5:15 PM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	1	2	9			
5:30 PM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	1	5	2	13			
5:45 PM	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	1	12	43			
Total	0	12	0	0	0	0	12	0	0	0	0	0	0	0	0	1	17	0	0	0	1	1	19	2	8	43			
6:00 PM	0	3	0	0	0	0	3	0	0	1	0	0	0	0	1	0	3	0	0	1	0	4	2	3	0	14			
6:15 PM	0	5	1	0	0	0	6	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	3	0	12			
6:30 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	4			
6:45 PM	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	1	3	0	0	0	0	4	0	2	0	8			
Total	0	11	1	0	0	0	12	0	0	1	0	0	0	1	1	10	0	0	1	0	12	3	9	0	0	38			
7:00 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4	0	0	0	5			
7:15 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	2	0	5			
Total	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	6	0	0	0	0	0	6	0	2	0	10			
Grand Total	0	29	1	0	0	0	30	0	0	1	0	0	0	1	2	36	0	0	1	1	40	5	20	0	0	99			
Approach %	0.0	96.7	3.3	0.0	0.0	0.0		0.0	0.0	100.0	0.0	0.0	0.0		5.0	90.0	0.0	0.0	2.5	2.5		17.9	71.4	0.0	0.0				
Total %	0.0	29.3	1.0	0.0	0.0	0.0	30.3	0.0	0.0	1.0	0.0	0.0	0.0	1.0	2.0	36.4	0.0	0.0	1.0	1.0	40.4	5.1	20.2	0.0	0.0	28.3			
Exiting Leg Total	36							23							37							3							99

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Putnam Avenue							River Street							Putnam Avenue							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:30 PM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	1	3	0	0	0	1	5	2	2	0	0	1	0	5	13
5:45 PM	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	7	0	0	0	0	7	0	1	0	0	0	0	1	12
6:00 PM	0	3	0	0	0	0	3	0	0	1	0	0	0	1	0	3	0	0	1	0	4	2	3	0	0	0	1	6	14
6:15 PM	0	5	1	0	0	0	6	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	3	0	0	0	0	3	12
Total Volume	0	15	1	0	0	0	16	0	0	1	0	0	0	1	1	16	0	0	1	1	19	4	9	0	0	1	1	15	51
% Approach Total	0.0	93.8	6.3	0.0	0.0	0.0		0.0	0.0	100.0	0.0	0.0	0.0		5.3	84.2	0.0	0.0	5.3	5.3		26.7	60.0	0.0	0.0	6.7	6.7		
PHF	0.000	0.750	0.250	0.000	0.000	0.000	0.667	0.000	0.000	0.250	0.000	0.000	0.250	0.250	0.571	0.000	0.000	0.250	0.250	0.679	0.500	0.750	0.000	0.000	0.250	0.250	0.625	0.911	
Entering Leg	0	15	1	0	0	0	16	0	0	1	0	0	0	1	1	16	0	0	1	1	19	4	9	0	0	1	1	15	51
Exiting Leg	16							11							22							2							51
Total	32							12							41							17							102



PDI File #: 186591-33  
 Location: N: Putnam Avenue S: Putnam Avenue  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Putnam Avenue							River Street							Putnam Avenue							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	0	0	0	7	4	11	0	0	0	0	0	2	2	0	0	0	0	4	3	7	0	0	0	0	2	6	8	28
4:45 PM	0	0	0	0	7	4	11	0	0	0	0	3	0	3	0	0	0	0	4	2	6	0	0	0	0	1	7	8	28
Total	0	0	0	0	14	8	22	0	0	0	0	3	2	5	0	0	0	0	8	5	13	0	0	0	0	3	13	16	56
5:00 PM	0	0	0	0	9	3	12	0	0	0	0	3	5	8	0	0	0	0	9	3	12	0	0	0	0	4	3	7	39
5:15 PM	0	0	0	0	9	3	12	0	0	0	0	4	4	8	0	0	0	0	10	4	14	0	0	0	0	5	4	9	43
5:30 PM	0	0	0	0	4	5	9	0	0	0	0	5	3	8	0	0	0	0	14	5	19	0	0	0	0	0	7	7	43
5:45 PM	0	0	0	0	6	2	8	0	0	0	0	4	0	4	0	0	0	0	12	11	23	0	0	0	0	7	0	7	42
Total	0	0	0	0	28	13	41	0	0	0	0	16	12	28	0	0	0	0	45	23	68	0	0	0	0	16	14	30	167
6:00 PM	0	0	0	0	3	3	6	0	0	0	0	2	5	7	0	0	0	0	8	4	12	0	0	0	0	1	6	7	32
6:15 PM	0	0	0	0	4	9	13	0	0	0	0	1	4	5	0	0	0	0	4	9	13	0	0	0	0	4	9	13	44
6:30 PM	0	0	0	0	3	4	7	0	0	0	0	1	1	2	0	0	0	0	6	3	9	0	0	0	0	6	3	9	27
6:45 PM	0	0	0	0	7	5	12	0	0	0	0	5	2	7	0	0	0	0	8	6	14	0	0	0	0	6	7	13	46
Total	0	0	0	0	17	21	38	0	0	0	0	9	12	21	0	0	0	0	26	22	48	0	0	0	0	17	25	42	149
7:00 PM	0	0	0	0	2	6	8	0	0	0	0	2	6	8	0	0	0	0	6	6	12	0	0	0	0	2	2	4	32
7:15 PM	0	0	0	0	3	2	5	0	0	0	0	4	3	7	0	0	0	0	6	5	11	0	0	0	0	2	6	8	31
Total	0	0	0	0	5	8	13	0	0	0	0	6	9	15	0	0	0	0	12	11	23	0	0	0	0	4	8	12	63
Grand Total	0	0	0	0	64	50	114	0	0	0	0	34	35	69	0	0	0	0	91	61	152	0	0	0	0	40	60	100	435
Approach %	0	0	0	0	56.1	43.9		0	0	0	0	49.3	50.7		0	0	0	0	59.9	40.1		0	0	0	0	40	60		
Total %	0	0	0	0	14.7	11.5	26.2	0	0	0	0	7.82	8.05	15.9	0	0	0	0	20.9	14	34.9	0	0	0	0	9.2	13.8	23	
Exiting Leg Total	114							69							152							100							435

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Putnam Avenue							River Street							Putnam Avenue							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:00 PM	0	0	0	0	9	3	12	0	0	0	0	3	5	8	0	0	0	0	9	3	12	0	0	0	0	4	3	7	39
5:15 PM	0	0	0	0	9	3	12	0	0	0	0	4	4	8	0	0	0	0	10	4	14	0	0	0	0	5	4	9	43
5:30 PM	0	0	0	0	4	5	9	0	0	0	0	5	3	8	0	0	0	0	14	5	19	0	0	0	0	0	7	7	43
5:45 PM	0	0	0	0	6	2	8	0	0	0	0	4	0	4	0	0	0	0	12	11	23	0	0	0	0	7	0	7	42
Total Volume	0	0	0	0	28	13	41	0	0	0	0	16	12	28	0	0	0	0	45	23	68	0	0	0	0	16	14	30	167
% Approach Total	0.0	0.0	0.0	0.0	68.3	31.7		0.0	0.0	0.0	0.0	57.1	42.9		0.0	0.0	0.0	0.0	66.2	33.8		0.0	0.0	0.0	0.0	53.3	46.7		
PHF	0.000	0.000	0.000	0.000	0.778	0.650	0.854	0.000	0.000	0.000	0.000	0.800	0.600	0.875	0.000	0.000	0.000	0.000	0.804	0.523	0.739	0.000	0.000	0.000	0.000	0.571	0.500	0.833	0.971
Entering Leg	0	0	0	0	28	13	41	0	0	0	0	16	12	28	0	0	0	0	45	23	68	0	0	0	0	16	14	30	167
Exiting Leg	41							28							68							30							167
Total	82							56							136							60							334

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	197	10	0	207	0	0	0	0	0	13	129	0	0	142	166	181	44	0	391	740
7:15 AM	0	202	6	0	208	0	0	0	0	0	11	125	0	0	136	154	177	53	0	384	728
7:30 AM	0	206	17	0	223	0	0	0	0	0	20	155	0	0	175	202	209	55	0	466	864
7:45 AM	0	224	17	0	241	0	0	0	0	0	19	198	0	0	217	190	196	31	0	417	875
<b>Total</b>	0	829	50	0	879	0	0	0	0	0	63	607	0	0	670	712	763	183	0	1658	3207
8:00 AM	0	197	13	0	210	0	0	0	0	0	30	159	0	0	189	203	191	34	0	428	827
8:15 AM	0	255	17	0	272	0	0	0	0	0	18	207	0	0	225	172	179	31	0	382	879
8:30 AM	0	224	13	0	237	0	0	0	0	0	24	150	0	0	174	224	196	36	0	456	867
8:45 AM	0	228	21	0	249	0	0	0	0	0	27	145	0	0	172	212	199	42	0	453	874
<b>Total</b>	0	904	64	0	968	0	0	0	0	0	99	661	0	0	760	811	765	143	0	1719	3447
9:00 AM	0	200	21	0	221	0	0	0	0	0	15	155	0	0	170	163	178	51	0	392	783
9:15 AM	0	203	20	0	223	0	0	0	0	0	22	131	0	0	153	172	258	64	0	494	870
9:30 AM	0	224	13	0	237	0	0	0	0	0	27	145	0	0	172	175	190	76	0	441	850
9:45 AM	0	210	20	0	230	0	0	0	0	0	30	135	0	0	165	219	213	77	0	509	904
<b>Total</b>	0	837	74	0	911	0	0	0	0	0	94	566	0	0	660	729	839	268	0	1836	3407
Grand Total	0	2570	188	0	2758	0	0	0	0	0	256	1834	0	0	2090	2252	2367	594	0	5213	10061
Approach %	0.0	93.2	6.8	0.0		0.0	0.0	0.0	0.0		12.2	87.8	0.0	0.0		43.2	45.4	11.4	0.0		
Total %	0.0	25.5	1.9	0.0	27.4	0.0	0.0	0.0	0.0	0.0	2.5	18.2	0.0	0.0	20.8	22.4	23.5	5.9	0.0	51.8	
Exiting Leg Total	2428					2811					4822					0					10061
Cars	0	2555	184	0	2739	0	0	0	0	0	246	1823	0	0	2069	2241	2211	582	0	5034	9842
% Cars	0.0	99.4	97.9	0.0	99.3	0.0	0.0	0.0	0.0	0.0	96.1	99.4	0.0	0.0	99.0	99.5	93.4	98.0	0.0	96.6	97.8
Exiting Leg Total	2405					2641					4796					0					9842
Heavy Vehicles	0	15	4	0	19	0	0	0	0	0	10	11	0	0	21	11	156	12	0	179	219
% Heavy Vehicles	0.0	0.6	2.1	0.0	0.7	0.0	0.0	0.0	0.0	0.0	3.9	0.6	0.0	0.0	1.0	0.5	6.6	2.0	0.0	3.4	2.2
Exiting Leg Total	23					170					26					0					219

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:45 AM	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:45 AM	0	224	17	0	241	0	0	0	0	0	19	198	0	0	217	190	196	31	0	417	875
8:00 AM	0	197	13	0	210	0	0	0	0	0	30	159	0	0	189	203	191	34	0	428	827
8:15 AM	0	255	17	0	272	0	0	0	0	0	18	207	0	0	225	172	179	31	0	382	879
8:30 AM	0	224	13	0	237	0	0	0	0	0	24	150	0	0	174	224	196	36	0	456	867
Total Volume	0	900	60	0	960	0	0	0	0	0	91	714	0	0	805	789	762	132	0	1683	3448
% Approach Total	0.0	93.8	6.3	0.0		0.0	0.0	0.0	0.0		11.3	88.7	0.0	0.0		46.9	45.3	7.8	0.0		
PHF	0.000	0.882	0.882	0.000	0.882	0.000	0.000	0.000	0.000	0.000	0.758	0.862	0.000	0.000	0.894	0.881	0.972	0.917	0.000	0.923	0.981
Cars	0	897	57	0	954	0	0	0	0	0	88	708	0	0	796	787	714	132	0	1633	3383
Cars %	0.0	99.7	95.0	0.0	99.4	0.0	0.0	0.0	0.0	0.0	96.7	99.2	0.0	0.0	98.9	99.7	93.7	100.0	0.0	97.0	98.1
Heavy Vehicles	0	3	3	0	6	0	0	0	0	0	3	6	0	0	9	2	48	0	0	50	65
Heavy Vehicles %	0.0	0.3	5.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	3.3	0.8	0.0	0.0	1.1	0.3	6.3	0.0	0.0	3.0	1.9
Cars Enter Leg	0	897	57	0	954	0	0	0	0	0	88	708	0	0	796	787	714	132	0	1633	3383
Heavy Enter Leg	0	3	3	0	6	0	0	0	0	0	3	6	0	0	9	2	48	0	0	50	65
Total Entering Leg	0	900	60	0	960	0	0	0	0	0	91	714	0	0	805	789	762	132	0	1683	3448
Cars Exiting Leg	840					859					1684					0					3383
Heavy Exiting Leg	6					54					5					0					65
Total Exiting Leg	846					913					1689					0					3448

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	197	10	0	207	0	0	0	0	0	13	128	0	0	141	165	172	42	0	379	727
7:15 AM	0	202	6	0	208	0	0	0	0	0	10	125	0	0	135	153	158	50	0	361	704
7:30 AM	0	203	17	0	220	0	0	0	0	0	19	155	0	0	174	202	195	55	0	452	846
7:45 AM	0	223	17	0	240	0	0	0	0	0	17	198	0	0	215	190	177	31	0	398	853
<b>Total</b>	0	825	50	0	875	0	0	0	0	0	59	606	0	0	665	710	702	178	0	1590	3130
8:00 AM	0	196	13	0	209	0	0	0	0	0	30	159	0	0	189	202	180	34	0	416	814
8:15 AM	0	254	15	0	269	0	0	0	0	0	17	203	0	0	220	171	174	31	0	376	865
8:30 AM	0	224	12	0	236	0	0	0	0	0	24	148	0	0	172	224	183	36	0	443	851
8:45 AM	0	227	21	0	248	0	0	0	0	0	26	145	0	0	171	208	191	40	0	439	858
<b>Total</b>	0	901	61	0	962	0	0	0	0	0	97	655	0	0	752	805	728	141	0	1674	3388
9:00 AM	0	197	20	0	217	0	0	0	0	0	15	154	0	0	169	163	168	49	0	380	766
9:15 AM	0	201	20	0	221	0	0	0	0	0	21	130	0	0	151	169	241	63	0	473	845
9:30 AM	0	224	13	0	237	0	0	0	0	0	25	144	0	0	169	175	174	75	0	424	830
9:45 AM	0	207	20	0	227	0	0	0	0	0	29	134	0	0	163	219	198	76	0	493	883
<b>Total</b>	0	829	73	0	902	0	0	0	0	0	90	562	0	0	652	726	781	263	0	1770	3324
Grand Total	0	2555	184	0	2739	0	0	0	0	0	246	1823	0	0	2069	2241	2211	582	0	5034	9842
Approach %	0.0	93.3	6.7	0.0		0.0	0.0	0.0	0.0		11.9	88.1	0.0	0.0		44.5	43.9	11.6	0.0		
Total %	0.0	26.0	1.9	0.0	27.8	0.0	0.0	0.0	0.0	0.0	2.5	18.5	0.0	0.0	21.0	22.8	22.5	5.9	0.0	51.1	
Exiting Leg Total	2405					2641					4796					0					9842

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:00 AM	0	196	13	0	209	0	0	0	0	0	30	159	0	0	189	202	180	34	0	416	814
8:15 AM	0	254	15	0	269	0	0	0	0	0	17	203	0	0	220	171	174	31	0	376	865
8:30 AM	0	224	12	0	236	0	0	0	0	0	24	148	0	0	172	224	183	36	0	443	851
8:45 AM	0	227	21	0	248	0	0	0	0	0	26	145	0	0	171	208	191	40	0	439	858
<b>Total Volume</b>	0	901	61	0	962	0	0	0	0	0	97	655	0	0	752	805	728	141	0	1674	3388
% Approach Total	0.0	93.7	6.3	0.0		0.0	0.0	0.0	0.0		12.9	87.1	0.0	0.0		48.1	43.5	8.4	0.0		
PHF	0.000	0.887	0.726	0.000	0.894	0.000	0.000	0.000	0.000	0.000	0.808	0.807	0.000	0.000	0.855	0.898	0.953	0.881	0.000	0.945	0.979
Entering Leg	0	901	61	0	962	0	0	0	0	0	97	655	0	0	752	805	728	141	0	1674	3388
Exiting Leg	796					886					1706					0					3388
<b>Total</b>	1758					886					2458					1674					6776

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



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**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	9	2	0	12	13
7:15 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	19	3	0	23	24
7:30 AM	0	3	0	0	3	0	0	0	0	0	1	0	0	0	1	0	14	0	0	14	18
7:45 AM	0	1	0	0	1	0	0	0	0	0	2	0	0	0	2	0	19	0	0	19	22
Total	0	4	0	0	4	0	0	0	0	0	4	1	0	0	5	2	61	5	0	68	77
8:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	11	0	0	12	13
8:15 AM	0	1	2	0	3	0	0	0	0	0	1	4	0	0	5	1	5	0	0	6	14
8:30 AM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	0	13	0	0	13	16
8:45 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	4	8	2	0	14	16
Total	0	3	3	0	6	0	0	0	0	0	2	6	0	0	8	6	37	2	0	45	59
9:00 AM	0	3	1	0	4	0	0	0	0	0	0	1	0	0	1	0	10	2	0	12	17
9:15 AM	0	2	0	0	2	0	0	0	0	0	1	1	0	0	2	3	17	1	0	21	25
9:30 AM	0	0	0	0	0	0	0	0	0	0	2	1	0	0	3	0	16	1	0	17	20
9:45 AM	0	3	0	0	3	0	0	0	0	0	1	1	0	0	2	0	15	1	0	16	21
Total	0	8	1	0	9	0	0	0	0	0	4	4	0	0	8	3	58	5	0	66	83
Grand Total	0	15	4	0	19	0	0	0	0	0	10	11	0	0	21	11	156	12	0	179	219
Approach %	0.0	78.9	21.1	0.0		0.0	0.0	0.0	0.0		47.6	52.4	0.0	0.0		6.1	87.2	6.7	0.0		
Total %	0.0	6.8	1.8	0.0	8.7	0.0	0.0	0.0	0.0	0.0	4.6	5.0	0.0	0.0	9.6	5.0	71.2	5.5	0.0	81.7	
Exiting Leg Total	23					170					26					0					219
Buses	0	9	2	0	11	0	0	0	0	0	7	4	0	0	11	3	44	3	0	50	72
% Buses	0.0	60.0	50.0	0.0	57.9	0.0	0.0	0.0	0.0	0.0	70.0	36.4	0.0	0.0	52.4	27.3	28.2	25.0	0.0	27.9	32.9
Exiting Leg Total	7					53					12					0					72
Single-Unit Trucks	0	6	2	0	8	0	0	0	0	0	3	7	0	0	10	7	100	8	0	115	133
% Single-Unit	0.0	40.0	50.0	0.0	42.1	0.0	0.0	0.0	0.0	0.0	30.0	63.6	0.0	0.0	47.6	63.6	64.1	66.7	0.0	64.2	60.7
Exiting Leg Total	15					105					13					0					133
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	1	0	14	14
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	7.7	8.3	0.0	7.8	6.4
Exiting Leg Total	1					12					1					0					14

**Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	3	1	0	4	0	0	0	0	0	0	1	0	0	1	0	10	2	0	12	17
9:15 AM	0	2	0	0	2	0	0	0	0	0	1	1	0	0	2	3	17	1	0	21	25
9:30 AM	0	0	0	0	0	0	0	0	0	0	2	1	0	0	3	0	16	1	0	17	20
9:45 AM	0	3	0	0	3	0	0	0	0	0	1	1	0	0	2	0	15	1	0	16	21
Total Volume	0	8	1	0	9	0	0	0	0	0	4	4	0	0	8	3	58	5	0	66	83
% Approach Total	0.0	88.9	11.1	0.0		0.0	0.0	0.0	0.0		50.0	50.0	0.0	0.0		4.5	87.9	7.6	0.0		
PHF	0.000	0.667	0.250	0.000	0.563	0.000	0.000	0.000	0.000	0.000	0.500	1.000	0.000	0.000	0.667	0.250	0.853	0.625	0.000	0.786	0.830
Buses	0	5	0	0	5	0	0	0	0	0	3	1	0	0	4	2	13	0	0	15	24
Buses %	0.0	62.5	0.0	0.0	55.6	0.0	0.0	0.0	0.0	0.0	75.0	25.0	0.0	0.0	50.0	66.7	22.4	0.0	0.0	22.7	28.9
Single-Unit Trucks	0	3	1	0	4	0	0	0	0	0	1	3	0	0	4	1	39	5	0	45	53
Single-Unit %	0.0	37.5	100.0	0.0	44.4	0.0	0.0	0.0	0.0	0.0	25.0	75.0	0.0	0.0	50.0	33.3	67.2	100.0	0.0	68.2	63.9
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	0.0	0.0	9.1	7.2
Buses	0	5	0	0	5	0	0	0	0	0	3	1	0	0	4	2	13	0	0	15	24
Single-Unit Trucks	0	3	1	0	4	0	0	0	0	0	1	3	0	0	4	1	39	5	0	45	53
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
Total Entering Leg	0	8	1	0	9	0	0	0	0	0	4	4	0	0	8	3	58	5	0	66	83
Buses	1					16					7					0					24
Single-Unit Trucks	8					41					4					0					53
Articulated Trucks	0					6					0					0					6
Total Exiting Leg	9					63					11					0					83

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	182	8	0	190	0	0	0	0	0	13	114	0	0	127	154	146	36	0	336	653
7:15 AM	0	192	6	0	198	0	0	0	0	0	10	114	0	0	124	146	137	48	0	331	653
7:30 AM	0	197	17	0	214	0	0	0	0	0	17	150	0	0	167	190	174	51	0	415	796
7:45 AM	0	217	15	0	232	0	0	0	0	0	17	187	0	0	204	178	159	28	0	365	801
<b>Total</b>	0	788	46	0	834	0	0	0	0	0	57	565	0	0	622	668	616	163	0	1447	2903
8:00 AM	0	188	12	0	200	0	0	0	0	0	28	148	0	0	176	191	168	26	0	385	761
8:15 AM	0	246	15	0	261	0	0	0	0	0	17	196	0	0	213	162	164	29	0	355	829
8:30 AM	0	220	11	0	231	0	0	0	0	0	21	143	0	0	164	212	170	32	0	414	809
8:45 AM	0	216	19	0	235	0	0	0	0	0	24	128	0	0	152	195	178	34	0	407	794
<b>Total</b>	0	870	57	0	927	0	0	0	0	0	90	615	0	0	705	760	680	121	0	1561	3193
9:00 AM	0	194	20	0	214	0	0	0	0	0	13	147	0	0	160	155	153	41	0	349	723
9:15 AM	0	189	19	0	208	0	0	0	0	0	20	120	0	0	140	160	212	62	0	434	782
9:30 AM	0	216	13	0	229	0	0	0	0	0	25	131	0	0	156	167	158	68	0	393	778
9:45 AM	0	201	19	0	220	0	0	0	0	0	29	123	0	0	152	201	177	70	0	448	820
<b>Total</b>	0	800	71	0	871	0	0	0	0	0	87	521	0	0	608	683	700	241	0	1624	3103
Grand Total	0	2458	174	0	2632	0	0	0	0	0	234	1701	0	0	1935	2111	1996	525	0	4632	9199
Approach %	0.0	93.4	6.6	0.0		0.0	0.0	0.0	0.0		12.1	87.9	0.0	0.0		45.6	43.1	11.3	0.0		
Total %	0.0	26.7	1.9	0.0	28.6	0.0	0.0	0.0	0.0	0.0	2.5	18.5	0.0	0.0	21.0	22.9	21.7	5.7	0.0	50.4	
Exiting Leg Total	2226					2404					4569					0					9199

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:45 AM	0	217	15	0	232	0	0	0	0	0	17	187	0	0	204	178	159	28	0	365	801
8:00 AM	0	188	12	0	200	0	0	0	0	0	28	148	0	0	176	191	168	26	0	385	761
8:15 AM	0	246	15	0	261	0	0	0	0	0	17	196	0	0	213	162	164	29	0	355	829
8:30 AM	0	220	11	0	231	0	0	0	0	0	21	143	0	0	164	212	170	32	0	414	809
Total Volume	0	871	53	0	924	0	0	0	0	0	83	674	0	0	757	743	661	115	0	1519	3200
% Approach Total	0.0	94.3	5.7	0.0		0.0	0.0	0.0	0.0		11.0	89.0	0.0	0.0		48.9	43.5	7.6	0.0		
PHF	0.000	0.885	0.883	0.000	0.885	0.000	0.000	0.000	0.000	0.000	0.741	0.860	0.000	0.000	0.888	0.876	0.972	0.898	0.000	0.917	0.965
Entering Leg	0	871	53	0	924	0	0	0	0	0	83	674	0	0	757	743	661	115	0	1519	3200
Exiting Leg	789					797					1614					0					3200
Total	1713					797					2371					1519					6400

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
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 Class:



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**Light Goods Vehicle**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	15	2	0	17	0	0	0	0	0	0	14	0	0	14	11	26	6	0	43	74
7:15 AM	0	10	0	0	10	0	0	0	0	0	0	11	0	0	11	7	21	2	0	30	51
7:30 AM	0	6	0	0	6	0	0	0	0	0	2	5	0	0	7	11	21	4	0	36	49
7:45 AM	0	6	1	0	7	0	0	0	0	0	0	11	0	0	11	12	18	3	0	33	51
<b>Total</b>	0	37	3	0	40	0	0	0	0	0	2	41	0	0	43	41	86	15	0	142	225
8:00 AM	0	7	1	0	8	0	0	0	0	0	2	10	0	0	12	11	12	8	0	31	51
8:15 AM	0	7	0	0	7	0	0	0	0	0	0	6	0	0	6	9	10	2	0	21	34
8:30 AM	0	4	1	0	5	0	0	0	0	0	3	5	0	0	8	12	13	4	0	29	42
8:45 AM	0	11	2	0	13	0	0	0	0	0	2	16	0	0	18	12	12	6	0	30	61
<b>Total</b>	0	29	4	0	33	0	0	0	0	0	7	37	0	0	44	44	47	20	0	111	188
9:00 AM	0	3	0	0	3	0	0	0	0	0	2	7	0	0	9	8	14	8	0	30	42
9:15 AM	0	12	1	0	13	0	0	0	0	0	1	10	0	0	11	9	29	1	0	39	63
9:30 AM	0	8	0	0	8	0	0	0	0	0	0	12	0	0	12	8	16	7	0	31	51
9:45 AM	0	6	1	0	7	0	0	0	0	0	0	11	0	0	11	18	21	6	0	45	63
<b>Total</b>	0	29	2	0	31	0	0	0	0	0	3	40	0	0	43	43	80	22	0	145	219
Grand Total	0	95	9	0	104	0	0	0	0	0	12	118	0	0	130	128	213	57	0	398	632
Approach %	0.0	91.3	8.7	0.0		0.0	0.0	0.0	0.0		9.2	90.8	0.0	0.0		32.2	53.5	14.3	0.0		
Total %	0.0	15.0	1.4	0.0	16.5	0.0	0.0	0.0	0.0	0.0	1.9	18.7	0.0	0.0	20.6	20.3	33.7	9.0	0.0	63.0	
Exiting Leg Total	175					234					223					0					632

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	15	2	0	17	0	0	0	0	0	0	14	0	0	14	11	26	6	0	43	74
7:15 AM	0	10	0	0	10	0	0	0	0	0	0	11	0	0	11	7	21	2	0	30	51
7:30 AM	0	6	0	0	6	0	0	0	0	0	2	5	0	0	7	11	21	4	0	36	49
7:45 AM	0	6	1	0	7	0	0	0	0	0	0	11	0	0	11	12	18	3	0	33	51
<b>Total Volume</b>	0	37	3	0	40	0	0	0	0	0	2	41	0	0	43	41	86	15	0	142	225
% Approach Total	0.0	92.5	7.5	0.0		0.0	0.0	0.0	0.0		4.7	95.3	0.0	0.0		28.9	60.6	10.6	0.0		
PHF	0.000	0.617	0.375	0.000	0.588	0.000	0.000	0.000	0.000	0.000	0.250	0.732	0.000	0.000	0.768	0.854	0.827	0.625	0.000	0.826	0.760
Entering Leg	0	37	3	0	40	0	0	0	0	0	2	41	0	0	43	41	86	15	0	142	225
Exiting Leg	56					91					78					0					225
<b>Total</b>	96					91					121					142					450

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Memorial Drive					River Street					Memorial Drive					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1					
7:15 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	4	2	0	6	7					
7:30 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	7					
7:45 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	6	0	0	6	8					
<b>Total</b>	0	3	0	0	3	0	0	0	0	0	2	0	0	0	2	0	15	3	0	18	23					
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3					
8:15 AM	0	0	1	0	1	0	0	0	0	0	1	2	0	0	3	0	3	0	0	3	7					
8:30 AM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	6	0	0	6	8					
8:45 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	1	4	0	0	5	7					
<b>Total</b>	0	1	2	0	3	0	0	0	0	0	2	3	0	0	5	1	16	0	0	17	25					
9:00 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	6					
9:15 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	2	3	0	0	5	7					
9:30 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	3	0	0	3	5					
9:45 AM	0	2	0	0	2	0	0	0	0	0	1	0	0	0	1	0	3	0	0	3	6					
<b>Total</b>	0	5	0	0	5	0	0	0	0	0	3	1	0	0	4	2	13	0	0	15	24					
<b>Grand Total</b>	0	9	2	0	11	0	0	0	0	0	7	4	0	0	11	3	44	3	0	50	72					
Approach %	0.0	81.8	18.2	0.0		0.0	0.0	0.0	0.0		63.6	36.4	0.0	0.0		6.0	88.0	6.0	0.0							
Total %	0.0	12.5	2.8	0.0	15.3	0.0	0.0	0.0	0.0	0.0	9.7	5.6	0.0	0.0	15.3	4.2	61.1	4.2	0.0	69.4						
Exiting Leg Total						7					53					12					0					72

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:15 AM	0	0	1	0	1	0	0	0	0	0	1	2	0	0	3	0	3	0	0	3	7
8:30 AM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	6	0	0	6	8
8:45 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	1	4	0	0	5	7
9:00 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	6
<b>Total Volume</b>	0	3	2	0	5	0	0	0	0	0	2	3	0	0	5	1	17	0	0	18	28
<b>% Approach Total</b>	0.0	60.0	40.0	0.0		0.0	0.0	0.0	0.0		40.0	60.0	0.0	0.0		5.6	94.4	0.0	0.0		
PHF	0.000	0.375	0.500	0.000	0.625	0.000	0.000	0.000	0.000	0.000	0.500	0.375	0.000	0.000	0.417	0.250	0.708	0.000	0.000	0.750	0.875
Entering Leg	0	3	2	0	5	0	0	0	0	0	2	3	0	0	5	1	17	0	0	18	28
Exiting Leg						3					21					4					28
<b>Total</b>	8					21					9					18					56

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	8	0	0	9	10
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1	0	14	14
7:30 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	7	0	0	7	9
7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	13	0	0	13	14
<b>Total</b>	0	1	0	0	1	0	0	0	0	0	2	1	0	0	3	1	41	1	0	43	47
8:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	7	0	0	8	9
8:15 AM	0	1	1	0	2	0	0	0	0	0	0	2	0	0	2	1	2	0	0	3	7
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	7	0	0	7	8
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	2	0	9	9
<b>Total</b>	0	2	1	0	3	0	0	0	0	0	0	3	0	0	3	5	20	2	0	27	33
9:00 AM	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	0	6	2	0	8	11
9:15 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	1	12	1	0	14	16
9:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	11	1	0	12	13
9:45 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	10	1	0	11	13
<b>Total</b>	0	3	1	0	4	0	0	0	0	0	1	3	0	0	4	1	39	5	0	45	53
<b>Grand Total</b>	0	6	2	0	8	0	0	0	0	0	3	7	0	0	10	7	100	8	0	115	133
Approach %	0.0	75.0	25.0	0.0		0.0	0.0	0.0	0.0		30.0	70.0	0.0	0.0		6.1	87.0	7.0	0.0		
Total %	0.0	4.5	1.5	0.0	6.0	0.0	0.0	0.0	0.0	0.0	2.3	5.3	0.0	0.0	7.5	5.3	75.2	6.0	0.0	86.5	
Exiting Leg Total	15					105					13					0					133

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	0	6	2	0	8	11
9:15 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	1	12	1	0	14	16
9:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	11	1	0	12	13
9:45 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	10	1	0	11	13
<b>Total Volume</b>	0	3	1	0	4	0	0	0	0	0	1	3	0	0	4	1	39	5	0	45	53
<b>% Approach Total</b>	0.0	75.0	25.0	0.0		0.0	0.0	0.0	0.0		25.0	75.0	0.0	0.0		2.2	86.7	11.1	0.0		
PHF	0.000	0.750	0.250	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.250	0.750	0.000	0.000	1.000	0.250	0.813	0.625	0.000	0.804	0.828
Entering Leg	0	3	1	0	4	0	0	0	0	0	1	3	0	0	4	1	39	5	0	45	53
Exiting Leg																4					53
<b>Total</b>	12					41					8					45					106



PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Memorial Drive					River Street					Memorial Drive					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2					
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	3					
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	0	7	7					
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1					
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1					
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6					
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	1	0	14	14					
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		7.1	85.7	7.1	0.0							
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	85.7	7.1	0.0	100.0						
Exiting Leg Total						1					12					1					0					14

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:00 AM	Memorial Drive					River Street					Memorial Drive					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2					
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	3					
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	0	7	7					
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	71.4	14.3	0.0							
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.625	0.250	0.000	0.583	0.583					
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	0	7	7					
Exiting Leg						1					5					1					0					7
Total						1					5					1					7					14

PDI File #: 186591-34  
 Location: N: Memorial Drive S: Memorial Drive  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Memorial Drive							River Street							Memorial Drive							River Street							Total				
	from North							from East							from South							from West											
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total					
7:00 AM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	12	13
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	8	16
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	14	
7:45 AM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	12	17	
Total	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	17	37	59	
8:00 AM	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3	5	26	34	
8:15 AM	0	0	3	0	1	0	4	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	6	23	36	
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	5	21	28
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	8	27	35	
Total	0	0	4	0	2	0	6	0	0	0	0	0	2	2	0	0	0	0	1	1	2	1	11	0	0	0	0	1	11	24	97	133	
9:00 AM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	5	0	0	0	0	0	0	5	6	14	25	
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	6	17	25
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	9	20
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	0	0	0	0	0	0	0	0	10	10	20	23
Total	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	3	4	0	7	0	0	0	0	0	33	50	90	95	
Grand Total	0	0	7	0	2	0	9	0	0	0	0	0	2	2	0	0	0	0	2	4	6	1	23	0	0	0	0	74	184	282	299		
Approach %	0.0	0.0	77.8	0.0	22.2	0.0		0.0	0.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	33.3	66.7		0.4	8.2	0.0	0.0	26.2	65.2						
Total %	0.0	0.0	2.3	0.0	0.7	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.3	7.7	0.0	0.0	24.7	61.5	94.3					
Exiting Leg Total							2						32							7										258		299	

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Memorial Drive							River Street							Memorial Drive							River Street							Total		
	from North							from East							from South							from West									
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total			
8:00 AM	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	3	0	0	0	5	26	34	37	
8:15 AM	0	0	3	0	1	0	4	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	7	0	0	0	6	23	36	41	
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	5	21	28	29		
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	8	27	35	36		
Total Volume	0	0	4	0	2	0	6	0	0	0	0	0	2	2	0	0	0	0	1	1	2	1	11	0	0	0	24	97	133	143	
% Approach Total	0.0	0.0	66.7	0.0	33.3	0.0		0.0	0.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	50.0	50.0		0.8	8.3	0.0	0.0	18.0	72.9				
PHF	0.000	0.000	0.333	0.000	0.500	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.250	0.250	0.500	0.250	0.393	0.000	0.000	0.750	0.898	0.924	0.872		
Entering Leg	0	0	4	0	2	0	6	0	0	0	0	0	2	2	0	0	0	0	1	1	2	1	11	0	0	24	97	133	143		
Exiting Leg							2						17								3								121		143
Total							8						19							5									254		286

PDI File #: 186591-34  
 Location: N: Memorial Drive S: Memorial Drive  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Memorial Drive							River Street							Memorial Drive							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	3	0	3	0	0	0	0	1	2	3	0	0	0	0	1	0	1	0	0	0	0	15	13	28	35
7:15 AM	0	0	0	0	1	0	1	0	0	0	0	2	2	4	0	0	0	0	3	2	5	0	0	0	0	24	4	28	38
7:30 AM	0	0	0	0	5	1	6	0	0	0	0	3	2	5	0	0	0	0	2	0	2	0	0	0	0	8	8	16	29
7:45 AM	0	0	0	0	3	1	4	0	0	0	0	3	6	9	0	0	0	0	2	1	3	0	0	0	0	5	10	15	31
Total	0	0	0	0	12	2	14	0	0	0	0	9	12	21	0	0	0	0	8	3	11	0	0	0	0	52	35	87	133
8:00 AM	0	0	0	0	1	2	3	0	0	0	0	4	4	8	0	0	0	0	1	1	2	0	0	0	0	6	16	22	35
8:15 AM	0	0	0	0	2	0	2	0	0	0	0	5	7	12	0	0	0	0	1	3	4	0	0	0	0	4	12	16	34
8:30 AM	0	0	0	0	2	0	2	0	0	0	0	4	6	10	0	0	0	0	2	0	2	0	0	0	0	9	10	19	33
8:45 AM	0	0	0	0	5	0	5	0	0	0	0	9	6	15	0	0	0	0	1	1	2	0	0	0	0	4	4	8	30
Total	0	0	0	0	10	2	12	0	0	0	0	22	23	45	0	0	0	0	5	5	10	0	0	0	0	23	42	65	132
9:00 AM	0	0	0	0	6	1	7	0	0	0	0	7	4	11	0	0	0	0	3	4	7	0	0	0	0	3	5	8	33
9:15 AM	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	1	1	0	0	0	0	2	2	4	7
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	6	2	8	11
9:45 AM	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	1	2	3	0	0	0	0	4	6	10	16
Total	0	0	0	0	10	1	11	0	0	0	0	8	4	12	0	0	0	0	4	10	14	0	0	0	0	15	15	30	67
Grand Total	0	0	0	0	32	5	37	0	0	0	0	39	39	78	0	0	0	0	17	18	35	0	0	0	0	90	92	182	332
Approach %	0	0	0	0	86.5	13.5		0	0	0	0	50	50		0	0	0	0	48.6	51.4		0	0	0	0	49.5	50.5		
Total %	0	0	0	0	9.64	1.51	11.1	0	0	0	0	11.7	11.7	23.5	0	0	0	0	5.12	5.42	10.5	0	0	0	0	27.1	27.7	54.8	
Exiting Leg Total	37							78							35							182							332

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Memorial Drive							River Street							Memorial Drive							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	3	0	3	0	0	0	0	1	2	3	0	0	0	0	1	0	1	0	0	0	0	15	13	28	35
7:15 AM	0	0	0	0	1	0	1	0	0	0	0	2	2	4	0	0	0	0	3	2	5	0	0	0	0	24	4	28	38
7:30 AM	0	0	0	0	5	1	6	0	0	0	0	3	2	5	0	0	0	0	2	0	2	0	0	0	0	8	8	16	29
7:45 AM	0	0	0	0	3	1	4	0	0	0	0	3	6	9	0	0	0	0	2	1	3	0	0	0	0	5	10	15	31
Total Volume	0	0	0	0	12	2	14	0	0	0	0	9	12	21	0	0	0	0	8	3	11	0	0	0	0	52	35	87	133
% Approach Total	0.0	0.0	0.0	0.0	85.7	14.3		0.0	0.0	0.0	0.0	42.9	57.1		0.0	0.0	0.0	0.0	72.7	27.3		0.0	0.0	0.0	0.0	59.8	40.2		
PHF	0.000	0.000	0.000	0.000	0.600	0.500	0.583	0.000	0.000	0.000	0.000	0.750	0.500	0.583	0.000	0.000	0.000	0.000	0.667	0.375	0.550	0.000	0.000	0.000	0.000	0.542	0.673	0.777	0.875
Entering Leg	0	0	0	0	12	2	14	0	0	0	0	9	12	21	0	0	0	0	8	3	11	0	0	0	0	52	35	87	133
Exiting Leg	14							21							11							87							133
Total	28							42							22							174							266

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	118	13	0	131	0	0	0	0	0	20	195	0	0	215	102	162	104	0	368	714
4:45 PM	0	110	15	0	125	0	0	0	0	0	9	238	0	0	247	88	168	96	0	352	724
<b>Total</b>	<b>0</b>	<b>228</b>	<b>28</b>	<b>0</b>	<b>256</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>433</b>	<b>0</b>	<b>0</b>	<b>462</b>	<b>190</b>	<b>330</b>	<b>200</b>	<b>0</b>	<b>720</b>	<b>1438</b>
5:00 PM	0	138	18	0	156	0	0	0	0	0	9	210	0	0	219	134	171	95	0	400	775
5:15 PM	0	144	23	0	167	0	0	0	0	0	8	216	0	0	224	116	146	64	0	326	717
5:30 PM	0	116	22	0	138	0	0	0	0	0	7	192	0	0	199	127	177	75	0	379	716
5:45 PM	0	145	22	0	167	0	0	0	0	0	16	193	0	0	209	122	153	55	0	330	706
<b>Total</b>	<b>0</b>	<b>543</b>	<b>85</b>	<b>0</b>	<b>628</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>811</b>	<b>0</b>	<b>0</b>	<b>851</b>	<b>499</b>	<b>647</b>	<b>289</b>	<b>0</b>	<b>1435</b>	<b>2914</b>
6:00 PM	0	158	18	0	176	0	0	0	0	0	13	198	0	0	211	136	158	74	0	368	755
6:15 PM	0	158	23	0	181	0	0	0	0	0	11	199	0	0	210	142	198	77	0	417	808
6:30 PM	0	119	21	0	140	0	0	0	0	0	7	229	0	0	236	138	168	44	0	350	726
6:45 PM	0	164	25	0	189	0	0	0	0	0	20	205	0	0	225	173	220	85	0	478	892
<b>Total</b>	<b>0</b>	<b>599</b>	<b>87</b>	<b>0</b>	<b>686</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>831</b>	<b>0</b>	<b>0</b>	<b>882</b>	<b>589</b>	<b>744</b>	<b>280</b>	<b>0</b>	<b>1613</b>	<b>3181</b>
7:00 PM	0	132	28	0	160	0	0	0	0	0	26	219	0	0	245	129	165	69	0	363	768
7:15 PM	0	102	11	0	113	0	0	0	0	0	20	214	0	0	234	92	162	87	0	341	688
<b>Total</b>	<b>0</b>	<b>234</b>	<b>39</b>	<b>0</b>	<b>273</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>433</b>	<b>0</b>	<b>0</b>	<b>479</b>	<b>221</b>	<b>327</b>	<b>156</b>	<b>0</b>	<b>704</b>	<b>1456</b>
Grand Total	0	1604	239	0	1843	0	0	0	0	0	166	2508	0	0	2674	1499	2048	925	0	4472	8989
Approach %	0.0	87.0	13.0	0.0		0.0	0.0	0.0	0.0	0.0	6.2	93.8	0.0	0.0		33.5	45.8	20.7	0.0		
Total %	0.0	17.8	2.7	0.0	20.5	0.0	0.0	0.0	0.0	0.0	1.8	27.9	0.0	0.0	29.7	16.7	22.8	10.3	0.0	49.7	
Exiting Leg Total	3433					2453					3103					0					8989
Cars	0	1595	236	0	1831	0	0	0	0	0	165	2503	0	0	2668	1494	2002	918	0	4414	8913
% Cars	0.0	99.4	98.7	0.0	99.3	0.0	0.0	0.0	0.0	0.0	99.4	99.8	0.0	0.0	99.8	99.7	97.8	99.2	0.0	98.7	99.2
Exiting Leg Total	3421					2403					3089					0					8913
Heavy Vehicles	0	9	3	0	12	0	0	0	0	0	1	5	0	0	6	5	46	7	0	58	76
% Heavy Vehicles	0.0	0.6	1.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.0	0.0	0.2	0.3	2.2	0.8	0.0	1.3	0.8
Exiting Leg Total	12					50					14					0					76

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:15 PM	0	158	23	0	181	0	0	0	0	0	11	199	0	0	210	142	198	77	0	417	808
6:30 PM	0	119	21	0	140	0	0	0	0	0	7	229	0	0	236	138	168	44	0	350	726
6:45 PM	0	164	25	0	189	0	0	0	0	0	20	205	0	0	225	173	220	85	0	478	892
7:00 PM	0	132	28	0	160	0	0	0	0	0	26	219	0	0	245	129	165	69	0	363	768
Total Volume	0	573	97	0	670	0	0	0	0	0	64	852	0	0	916	582	751	275	0	1608	3194
% Approach Total	0.0	85.5	14.5	0.0		0.0	0.0	0.0	0.0	0.0	7.0	93.0	0.0	0.0		36.2	46.7	17.1	0.0		
PHF	0.000	0.873	0.866	0.000	0.886	0.000	0.000	0.000	0.000	0.000	0.615	0.930	0.000	0.000	0.935	0.841	0.853	0.809	0.000	0.841	0.895
Cars	0	571	96	0	667	0	0	0	0	0	64	851	0	0	915	580	735	274	0	1589	3171
Cars %	0.0	99.7	99.0	0.0	99.6	0.0	0.0	0.0	0.0	0.0	100.0	99.9	0.0	0.0	99.9	99.7	97.9	99.6	0.0	98.8	99.3
Heavy Vehicles	0	2	1	0	3	0	0	0	0	0	0	1	0	0	1	2	16	1	0	19	23
Heavy Vehicles %	0.0	0.3	1.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.3	2.1	0.4	0.0	1.2	0.7
Cars Enter Leg	0	571	96	0	667	0	0	0	0	0	64	851	0	0	915	580	735	274	0	1589	3171
Heavy Enter Leg	0	2	1	0	3	0	0	0	0	0	0	1	0	0	1	2	16	1	0	19	23
Total Entering Leg	0	573	97	0	670	0	0	0	0	0	64	852	0	0	916	582	751	275	0	1608	3194
Cars Exiting Leg	1125					895					1151					0					3171
Heavy Exiting Leg	2					17					4					0					23
Total Exiting Leg	1127					912					1155					0					3194

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars-Combined (Motorcycles, Cars, Light Goods)**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	116	13	0	129	0	0	0	0	0	20	195	0	0	215	101	159	103	0	363	707
4:45 PM	0	109	15	0	124	0	0	0	0	0	9	238	0	0	247	87	161	94	0	342	713
Total	0	225	28	0	253	0	0	0	0	0	29	433	0	0	462	188	320	197	0	705	1420
5:00 PM	0	138	18	0	156	0	0	0	0	0	8	209	0	0	217	134	170	94	0	398	771
5:15 PM	0	143	23	0	166	0	0	0	0	0	8	214	0	0	222	116	142	63	0	321	709
5:30 PM	0	116	21	0	137	0	0	0	0	0	7	192	0	0	199	127	174	75	0	376	712
5:45 PM	0	142	21	0	163	0	0	0	0	0	16	193	0	0	209	121	143	55	0	319	691
Total	0	539	83	0	622	0	0	0	0	0	39	808	0	0	847	498	629	287	0	1414	2883
6:00 PM	0	158	18	0	176	0	0	0	0	0	13	197	0	0	210	136	157	74	0	367	753
6:15 PM	0	157	22	0	179	0	0	0	0	0	11	199	0	0	210	142	195	77	0	414	803
6:30 PM	0	119	21	0	140	0	0	0	0	0	7	229	0	0	236	138	163	44	0	345	721
6:45 PM	0	164	25	0	189	0	0	0	0	0	20	205	0	0	225	171	215	85	0	471	885
Total	0	598	86	0	684	0	0	0	0	0	51	830	0	0	881	587	730	280	0	1597	3162
7:00 PM	0	131	28	0	159	0	0	0	0	0	26	218	0	0	244	129	162	68	0	359	762
7:15 PM	0	102	11	0	113	0	0	0	0	0	20	214	0	0	234	92	161	86	0	339	686
Total	0	233	39	0	272	0	0	0	0	0	46	432	0	0	478	221	323	154	0	698	1448
Grand Total	0	1595	236	0	1831	0	0	0	0	0	165	2503	0	0	2668	1494	2002	918	0	4414	8913
Approach %	0.0	87.1	12.9	0.0		0.0	0.0	0.0	0.0		6.2	93.8	0.0	0.0		33.8	45.4	20.8	0.0		
Total %	0.0	17.9	2.6	0.0	20.5	0.0	0.0	0.0	0.0	0.0	1.9	28.1	0.0	0.0	29.9	16.8	22.5	10.3	0.0	49.5	
Exiting Leg Total	3421					2403					3089					0					8913

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:15 PM	0	157	22	0	179	0	0	0	0	0	11	199	0	0	210	142	195	77	0	414	803
6:30 PM	0	119	21	0	140	0	0	0	0	0	7	229	0	0	236	138	163	44	0	345	721
6:45 PM	0	164	25	0	189	0	0	0	0	0	20	205	0	0	225	171	215	85	0	471	885
7:00 PM	0	131	28	0	159	0	0	0	0	0	26	218	0	0	244	129	162	68	0	359	762
Total Volume	0	571	96	0	667	0	0	0	0	0	64	851	0	0	915	580	735	274	0	1589	3171
% Approach Total	0.0	85.6	14.4	0.0		0.0	0.0	0.0	0.0		7.0	93.0	0.0	0.0		36.5	46.3	17.2	0.0		
PHF	0.000	0.870	0.857	0.000	0.882	0.000	0.000	0.000	0.000	0.000	0.615	0.929	0.000	0.000	0.938	0.848	0.855	0.806	0.000	0.843	0.896
Entering Leg	0	571	96	0	667	0	0	0	0	0	64	851	0	0	915	580	735	274	0	1589	3171
Exiting Leg	1125					895					1151					0					3171
Total	1792					895					2066					1589					6342

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Memorial Drive					River Street					Memorial Drive					River Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	1	3	1	0	5	7	
4:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	7	2	0	10	11	
<b>Total</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>10</b>	<b>3</b>	<b>0</b>	<b>15</b>	<b>18</b>	
5:00 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	1	1	0	2	4	
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	4	1	0	5	8	
5:30 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4	
5:45 PM	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	1	10	0	0	11	15	
<b>Total</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>18</b>	<b>2</b>	<b>0</b>	<b>21</b>	<b>31</b>	
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2	
6:15 PM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	5	
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5	
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0	0	7	7	
<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>19</b>	
7:00 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	3	1	0	4	6	
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2	
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>8</b>	
Grand Total	0	9	3	0	12	0	0	0	0	0	1	5	0	0	6	5	46	7	0	58	76	
Approach %	0.0	75.0	25.0	0.0		0.0	0.0	0.0	0.0		16.7	83.3	0.0	0.0		8.6	79.3	12.1	0.0			
Total %	0.0	11.8	3.9	0.0	15.8	0.0	0.0	0.0	0.0	0.0	1.3	6.6	0.0	0.0	7.9	6.6	60.5	9.2	0.0	76.3		
Exiting Leg Total						12					50					14					0	76
Buses	0	5	1	0	6	0	0	0	0	0	0	4	0	0	4	1	35	3	0	39	49	
% Buses	0.0	55.6	33.3	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	80.0	0.0	0.0	66.7	20.0	76.1	42.9	0.0	67.2	64.5	
Exiting Leg Total						7					36					6					0	49
Single-Unit Trucks	0	4	2	0	6	0	0	0	0	0	1	1	0	0	2	3	9	4	0	16	24	
% Single-Unit	0.0	44.4	66.7	0.0	50.0	0.0	0.0	0.0	0.0	0.0	100.0	20.0	0.0	0.0	33.3	60.0	19.6	57.1	0.0	27.6	31.6	
Exiting Leg Total						5					12					7					0	24
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	3	
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	4.3	0.0	0.0	5.2	3.9	
Exiting Leg Total						0					2					1					0	3

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

5:00 PM	Memorial Drive					River Street					Memorial Drive					River Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
5:00 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	1	1	0	2	4	
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	4	1	0	5	8	
5:30 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4	
5:45 PM	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	1	10	0	0	11	15	
Total Volume	0	4	2	0	6	0	0	0	0	0	1	3	0	0	4	1	18	2	0	21	31	
% Approach Total	0.0	66.7	33.3	0.0		0.0	0.0	0.0	0.0		25.0	75.0	0.0	0.0		4.8	85.7	9.5	0.0			
PHF	0.000	0.333	0.500	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.250	0.375	0.000	0.000	0.500	0.250	0.450	0.500	0.000	0.477	0.517	
Buses	0	3	1	0	4	0	0	0	0	0	0	3	0	0	3	1	13	0	0	14	21	
Buses %	0.0	75.0	50.0	0.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	75.0	100.0	72.2	0.0	0.0	66.7	67.7	
Single-Unit Trucks	0	1	1	0	2	0	0	0	0	0	1	0	0	0	1	0	4	2	0	6	9	
Single-Unit %	0.0	25.0	50.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	25.0	0.0	22.2	100.0	0.0	28.6	29.0	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	4.8	3.2	
Buses	0	3	1	0	4	0	0	0	0	0	0	3	0	0	3	1	13	0	0	14	21	
Single-Unit Trucks	0	1	1	0	2	0	0	0	0	0	1	0	0	0	1	0	4	2	0	6	9	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
Total Entering Leg	0	4	2	0	6	0	0	0	0	0	1	3	0	0	4	1	18	2	0	21	31	
Buses						3					14					4					0	21
Single-Unit Trucks						2					6					1					0	9
Articulated Trucks						0					1					0					0	1
Total Exiting Leg						5					21					5					0	31

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	110	12	0	122	0	0	0	0	0	16	187	0	0	203	95	151	97	0	343	668
4:45 PM	0	106	14	0	120	0	0	0	0	0	9	225	0	0	234	85	153	92	0	330	684
Total	0	216	26	0	242	0	0	0	0	0	25	412	0	0	437	180	304	189	0	673	1352
5:00 PM	0	135	18	0	153	0	0	0	0	0	7	201	0	0	208	125	163	92	0	380	741
5:15 PM	0	139	23	0	162	0	0	0	0	0	7	209	0	0	216	114	137	61	0	312	690
5:30 PM	0	113	21	0	134	0	0	0	0	0	6	188	0	0	194	123	172	75	0	370	698
5:45 PM	0	137	21	0	158	0	0	0	0	0	16	186	0	0	202	113	135	54	0	302	662
Total	0	524	83	0	607	0	0	0	0	0	36	784	0	0	820	475	607	282	0	1364	2791
6:00 PM	0	154	18	0	172	0	0	0	0	0	13	191	0	0	204	130	150	73	0	353	729
6:15 PM	0	156	21	0	177	0	0	0	0	0	11	194	0	0	205	137	187	75	0	399	781
6:30 PM	0	116	21	0	137	0	0	0	0	0	7	225	0	0	232	130	159	43	0	332	701
6:45 PM	0	161	25	0	186	0	0	0	0	0	19	198	0	0	217	167	211	85	0	463	866
Total	0	587	85	0	672	0	0	0	0	0	50	808	0	0	858	564	707	276	0	1547	3077
7:00 PM	0	129	27	0	156	0	0	0	0	0	26	216	0	0	242	127	160	68	0	355	753
7:15 PM	0	98	11	0	109	0	0	0	0	0	20	213	0	0	233	91	159	84	0	334	676
Total	0	227	38	0	265	0	0	0	0	0	46	429	0	0	475	218	319	152	0	689	1429
Grand Total	0	1554	232	0	1786	0	0	0	0	0	157	2433	0	0	2590	1437	1937	899	0	4273	8649
Approach %	0.0	87.0	13.0	0.0		0.0	0.0	0.0	0.0		6.1	93.9	0.0	0.0		33.6	45.3	21.0	0.0		
Total %	0.0	18.0	2.7	0.0	20.6	0.0	0.0	0.0	0.0	0.0	1.8	28.1	0.0	0.0	29.9	16.6	22.4	10.4	0.0	49.4	
Exiting Leg Total	3332					2326					2991					0					8649

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:15 PM	0	156	21	0	177	0	0	0	0	0	11	194	0	0	205	137	187	75	0	399	781
6:30 PM	0	116	21	0	137	0	0	0	0	0	7	225	0	0	232	130	159	43	0	332	701
6:45 PM	0	161	25	0	186	0	0	0	0	0	19	198	0	0	217	167	211	85	0	463	866
7:00 PM	0	129	27	0	156	0	0	0	0	0	26	216	0	0	242	127	160	68	0	355	753
Total Volume	0	562	94	0	656	0	0	0	0	0	63	833	0	0	896	561	717	271	0	1549	3101
% Approach Total	0.0	85.7	14.3	0.0		0.0	0.0	0.0	0.0		7.0	93.0	0.0	0.0		36.2	46.3	17.5	0.0		
PHF	0.000	0.873	0.870	0.000	0.882	0.000	0.000	0.000	0.000	0.000	0.606	0.926	0.000	0.000	0.926	0.840	0.850	0.797	0.000	0.836	0.895
Entering Leg	0	562	94	0	656	0	0	0	0	0	63	833	0	0	896	561	717	271	0	1549	3101
Exiting Leg	1104					874					1123					0					3101
Total	1760					874					2019					1549					6202

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Light Goods Vehicle**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	6	1	0	7	0	0	0	0	0	4	8	0	0	12	6	8	6	0	20	39
4:45 PM	0	3	1	0	4	0	0	0	0	0	0	13	0	0	13	2	8	2	0	12	29
Total	0	9	2	0	11	0	0	0	0	0	4	21	0	0	25	8	16	8	0	32	68
5:00 PM	0	3	0	0	3	0	0	0	0	0	1	7	0	0	8	9	7	2	0	18	29
5:15 PM	0	4	0	0	4	0	0	0	0	0	1	5	0	0	6	2	5	2	0	9	19
5:30 PM	0	3	0	0	3	0	0	0	0	0	1	4	0	0	5	4	2	0	0	6	14
5:45 PM	0	5	0	0	5	0	0	0	0	0	0	7	0	0	7	8	8	1	0	17	29
Total	0	15	0	0	15	0	0	0	0	0	3	23	0	0	26	23	22	5	0	50	91
6:00 PM	0	4	0	0	4	0	0	0	0	0	0	6	0	0	6	6	7	0	0	13	23
6:15 PM	0	1	1	0	2	0	0	0	0	0	0	5	0	0	5	5	8	2	0	15	22
6:30 PM	0	3	0	0	3	0	0	0	0	0	0	4	0	0	4	8	4	1	0	13	20
6:45 PM	0	3	0	0	3	0	0	0	0	0	1	7	0	0	8	4	4	0	0	8	19
Total	0	11	1	0	12	0	0	0	0	0	1	22	0	0	23	23	23	3	0	49	84
7:00 PM	0	2	1	0	3	0	0	0	0	0	0	2	0	0	2	2	2	0	0	4	9
7:15 PM	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	1	2	2	0	5	10
Total	0	6	1	0	7	0	0	0	0	0	0	3	0	0	3	3	4	2	0	9	19
Grand Total	0	41	4	0	45	0	0	0	0	0	8	69	0	0	77	57	65	18	0	140	262
Approach %	0.0	91.1	8.9	0.0		0.0	0.0	0.0	0.0		10.4	89.6	0.0	0.0		40.7	46.4	12.9	0.0		
Total %	0.0	15.6	1.5	0.0	17.2	0.0	0.0	0.0	0.0	0.0	3.1	26.3	0.0	0.0	29.4	21.8	24.8	6.9	0.0	53.4	
Exiting Leg Total	87					77					98					0					262

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	6	1	0	7	0	0	0	0	0	4	8	0	0	12	6	8	6	0	20	39
4:45 PM	0	3	1	0	4	0	0	0	0	0	0	13	0	0	13	2	8	2	0	12	29
5:00 PM	0	3	0	0	3	0	0	0	0	0	1	7	0	0	8	9	7	2	0	18	29
5:15 PM	0	4	0	0	4	0	0	0	0	0	1	5	0	0	6	2	5	2	0	9	19
Total Volume	0	16	2	0	18	0	0	0	0	0	6	33	0	0	39	19	28	12	0	59	116
% Approach Total	0.0	88.9	11.1	0.0		0.0	0.0	0.0	0.0		15.4	84.6	0.0	0.0		32.2	47.5	20.3	0.0		
PHF	0.000	0.667	0.500	0.000	0.643	0.000	0.000	0.000	0.000	0.000	0.375	0.635	0.000	0.000	0.750	0.528	0.875	0.500	0.000	0.738	0.744
Entering Leg	0	16	2	0	18	0	0	0	0	0	6	33	0	0	39	19	28	12	0	59	116
Exiting Leg	45					36					35					0					116
Total	63					36					74					59					232



PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
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**Buses**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
4:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	2	0	8	9
Total	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	8	2	0	10	11
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	3	0	0	3	6
5:30 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
5:45 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	1	8	0	0	9	11
Total	0	3	1	0	4	0	0	0	0	0	0	3	0	0	3	1	13	0	0	14	21
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
6:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Total	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	11	0	0	11	13
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	4
Grand Total	0	5	1	0	6	0	0	0	0	0	0	4	0	0	4	1	35	3	0	39	49
Approach %	0.0	83.3	16.7	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		2.6	89.7	7.7	0.0		
Total %	0.0	10.2	2.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	8.2	2.0	71.4	6.1	0.0	79.6	
Exiting Leg Total	7					36					6					0					49

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:15 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	3	0	0	3	6
5:30 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
5:45 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	1	8	0	0	9	11
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
Total Volume	0	3	1	0	4	0	0	0	0	0	0	3	0	0	3	1	14	0	0	15	22
% Approach Total	0.0	75.0	25.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		6.7	93.3	0.0	0.0		
PHF	0.000	0.375	0.250	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.000	0.000	0.375	0.250	0.438	0.000	0.000	0.417	0.500
Entering Leg	0	3	1	0	4	0	0	0	0	0	0	3	0	0	3	1	14	0	0	15	22
Exiting Leg																3					15
Total	7					15					7					15					44

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	1	0	3	5
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
<b>Total</b>	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2	2	1	0	5	7
5:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0	2	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:45 PM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	3
<b>Total</b>	0	1	1	0	2	0	0	0	0	0	1	0	0	0	1	0	4	2	0	6	9
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
<b>Total</b>	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	4
7:00 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	1	1	0	2	4
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	1	1	0	2	4
<b>Grand Total</b>	0	4	2	0	6	0	0	0	0	0	1	1	0	0	2	3	9	4	0	16	24
Approach %	0.0	66.7	33.3	0.0		0.0	0.0	0.0	0.0		50.0	50.0	0.0	0.0		18.8	56.3	25.0	0.0		
Total %	0.0	16.7	8.3	0.0	25.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2	0.0	0.0	8.3	12.5	37.5	16.7	0.0	66.7	
Exiting Leg Total	5					12					7					0					24

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	1	0	3	5
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
5:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0	2	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
<b>Total Volume</b>	0	2	0	0	2	0	0	0	0	0	1	0	0	0	1	2	4	3	0	9	12
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0		22.2	44.4	33.3	0.0		
PHF	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.500	1.000	0.750	0.000	0.750	0.600
Entering Leg	0	2	0	0	2	0	0	0	0	0	1	0	0	0	1	2	4	3	0	9	12
Exiting Leg	3					5					4					0					12
<b>Total</b>	5					5					5					9					24

PDI File #: **186591-34**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon/ E. Fredette**  
 Site Code: **Y16043.45**  
 Count Date: **Tuesday, December 04, 2018**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	3
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		33.3	66.7	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	66.7	0.0	0.0	100.0	
Exiting Leg Total	0					2					1					0					3

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.500
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Exiting Leg	0					2					0					0					2
Total	0					2					0					2					4

PDI File #: 186591-34  
 Location: N: Memorial Drive S: Memorial Drive  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Bicycles (on Roadway and Crosswalks)**

	Memorial Drive								River Street								Memorial Drive								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	6	9	9	
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	0	1	0	0	0	11	1	12	14		
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	1	0	1	0	0	13	7	21	23		
5:00 PM	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	15	8	25	27	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	2	0	0	13	11	26	28	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	0	0	4	0	0	18	7	29	32	
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	1	0	1	0	1	0	2	0	0	15	4	21	24		
Total	0	0	2	0	0	0	2	0	0	0	0	2	3	5	0	2	0	0	1	0	3	0	10	0	0	61	30	101	111				
6:00 PM	0	0	0	0	0	0	0	0	0	0	1	2	3	0	0	0	0	1	0	1	0	1	0	1	0	1	0	0	8	5	14	18	
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4	0	0	8	9	21	23	
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	10	5	17	17		
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	7	7		
Total	0	0	0	0	0	0	0	0	0	0	0	1	4	5	0	0	0	0	1	0	1	0	1	0	7	0	0	32	20	59	65		
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	7	2	12	12		
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	3	7	7		
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	10	5	19	19			
Grand Total	0	0	2	0	0	0	2	0	0	0	0	4	7	11	0	3	0	0	2	0	5	0	21	1	0	116	62	200	218				
Approach %	0.0	0.0	100.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	36.4	63.6		0.0	60.0	0.0	0.0	40.0	0.0		0.0	10.5	0.5	0.0	58.0	31.0						
Total %	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	1.8	3.2	5.0	0.0	1.4	0.0	0.0	0.9	0.0	2.3	0.0	9.6	0.5	0.0	53.2	28.4	91.7					
Exiting Leg Total	4							34							2							178							218				

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive								River Street								Memorial Drive								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:00 PM	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	15	8	25	27		
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	2	0	0	13	11	26	28		
5:30 PM	0	0	0	0	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	0	0	4	0	0	18	7	29	32		
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	1	0	1	0	1	0	2	0	0	15	4	21	24			
Total Volume	0	0	2	0	0	0	2	0	0	0	2	3	5	0	2	0	0	1	0	3	0	10	0	0	61	30	101	111					
% Approach Total	0.0	0.0	100.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	40.0	60.0		0.0	66.7	0.0	0.0	33.3	0.0		0.0	9.9	0.0	0.0	60.4	29.7						
PHF	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.375	0.417	0.000	0.250	0.000	0.000	0.250	0.000	0.375	0.000	0.625	0.000	0.000	0.847	0.682	0.871	0.867					
Entering Leg	0	0	2	0	0	0	2	0	0	0	2	3	5	0	2	0	0	1	0	3	0	10	0	0	61	30	101	111					
Exiting Leg	2							17							1							91							111				
Total	4							22							4							192							222				

PDI File #: 186591-34  
 Location: N: Memorial Drive S: Memorial Drive  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette  
 Site Code: Y16043.45  
 Count Date: Tuesday, December 04, 2018  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Memorial Drive								River Street								Memorial Drive								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	0	0	0	4	1	5		0	0	0	0	3	6	9		0	0	0	0	1	2	3		0	0	0	0	3	6	9		26
4:45 PM	0	0	0	0	1	1	2		0	0	0	0	5	2	7		0	0	0	0	4	4	8		0	0	0	0	6	4	10		27
Total	0	0	0	0	5	2	7		0	0	0	0	8	8	16		0	0	0	0	5	6	11		0	0	0	0	9	10	19		53
5:00 PM	0	0	0	0	0	1	1		0	0	0	0	2	4	6		0	0	0	0	5	1	6		0	0	0	0	0	2	2		15
5:15 PM	0	0	0	0	1	1	2		0	0	0	0	2	7	9		0	0	0	0	3	1	4		0	0	0	0	16	9	25		40
5:30 PM	0	0	0	0	0	1	1		0	0	0	0	5	5	10		0	0	0	0	2	2	4		0	0	0	0	4	4	8		23
5:45 PM	0	0	0	0	1	0	1		0	0	0	0	6	5	11		0	0	0	0	6	5	11		0	0	0	0	10	10	20		43
Total	0	0	0	0	2	3	5		0	0	0	0	15	21	36		0	0	0	0	16	9	25		0	0	0	0	30	25	55		121
6:00 PM	0	0	0	0	0	0	0		0	0	0	0	1	5	6		0	0	0	0	5	1	6		0	0	0	0	4	1	5		17
6:15 PM	0	0	0	0	1	0	1		0	0	0	0	1	5	6		0	0	0	0	5	2	7		0	0	0	0	0	5	5		19
6:30 PM	0	0	0	0	0	1	1		0	0	0	0	2	5	7		0	0	0	0	7	2	9		0	0	0	0	3	5	8		25
6:45 PM	0	0	0	0	1	0	1		0	0	0	0	2	1	3		0	0	0	0	0	0	0		0	0	0	0	0	2	2		6
Total	0	0	0	0	2	1	3		0	0	0	0	6	16	22		0	0	0	0	17	5	22		0	0	0	0	7	13	20		67
7:00 PM	0	0	0	0	1	1	2		0	0	0	0	2	1	3		0	0	0	0	2	1	3		0	0	0	0	3	7	10		18
7:15 PM	0	0	0	0	0	0	0		0	0	0	0	2	1	3		0	0	0	0	0	2	2		0	0	0	0	1	4	5		10
Total	0	0	0	0	1	1	2		0	0	0	0	4	2	6		0	0	0	0	2	3	5		0	0	0	0	4	11	15		28
Grand Total	0	0	0	0	10	7	17		0	0	0	0	33	47	80		0	0	0	0	40	23	63		0	0	0	0	50	59	109		269
Approach %	0	0	0	0	58.8	41.2		0	0	0	0	41.3	58.8		0	0	0	0	63.5	36.5		0	0	0	0	45.9	54.1						
Total %	0	0	0	0	3.72	2.6	6.32		0	0	0	0	12.3	17.5	29.7		0	0	0	0	14.9	8.55	23.4		0	0	0	0	18.6	21.9	40.5		
Exiting Leg Total	17								80								63								109	269							

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive								River Street								Memorial Drive								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:15 PM	0	0	0	0	1	1	2		0	0	0	0	2	7	9		0	0	0	0	3	1	4		0	0	0	0	16	9	25		40
5:30 PM	0	0	0	0	0	1	1		0	0	0	0	5	5	10		0	0	0	0	2	2	4		0	0	0	0	4	4	8		23
5:45 PM	0	0	0	0	1	0	1		0	0	0	0	6	5	11		0	0	0	0	6	5	11		0	0	0	0	10	10	20		43
6:00 PM	0	0	0	0	0	0	0		0	0	0	0	1	5	6		0	0	0	0	5	1	6		0	0	0	0	4	1	5		17
Total Volume	0	0	0	0	2	2	4		0	0	0	0	14	22	36		0	0	0	0	16	9	25		0	0	0	0	34	24	58		123
% Approach Total	0.0	0.0	0.0	0.0	50.0	50.0		0.0	0.0	0.0	0.0	38.9	61.1		0.0	0.0	0.0	0.0	64.0	36.0		0.0	0.0	0.0	0.0	58.6	41.4						
PHF	0.000	0.000	0.000	0.000	0.500	0.500	0.500		0.000	0.000	0.000	0.000	0.583	0.786	0.818		0.000	0.000	0.000	0.000	0.667	0.450	0.568		0.000	0.000	0.000	0.000	0.531	0.600	0.580		0.715
Entering Leg	0	0	0	0	2	2	4		0	0	0	0	14	22	36		0	0	0	0	16	9	25		0	0	0	0	34	24	58		123
Exiting Leg	4								36								25								58	123							
Total	8								72								50								116	246							

PDI File #: **196890 A**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars and Heavy Vehicles (Combined)**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	206	13	0	219	0	0	0	0	0	12	120	0	0	132	148	168	41	0	357	708
7:15 AM	0	220	13	0	233	0	0	0	0	0	21	163	0	0	184	177	128	34	0	339	756
7:30 AM	0	223	19	0	242	0	0	0	0	0	12	163	0	0	175	206	187	40	0	433	850
7:45 AM	0	253	23	0	276	0	0	0	0	0	23	183	0	0	206	165	178	32	0	375	857
Total	0	902	68	0	970	0	0	0	0	0	68	629	0	0	697	696	661	147	0	1504	3171
8:00 AM	0	244	10	0	254	0	0	0	0	0	19	121	0	0	140	199	205	35	0	439	833
8:15 AM	0	245	19	0	264	0	0	0	0	0	26	160	0	0	186	180	193	19	0	392	842
8:30 AM	0	217	13	0	230	0	0	0	0	0	14	146	0	0	160	195	202	48	0	445	835
8:45 AM	0	262	10	0	272	1	0	0	0	1	19	132	0	0	151	186	184	43	0	413	837
Total	0	968	52	0	1020	1	0	0	0	1	78	559	0	0	637	760	784	145	0	1689	3347
9:00 AM	0	252	27	0	279	0	0	0	0	0	23	127	0	0	150	167	171	38	0	376	805
9:15 AM	0	202	11	0	213	0	0	0	0	0	26	134	0	0	160	200	187	39	0	426	799
9:30 AM	0	217	17	0	234	0	0	0	0	0	25	134	0	0	159	177	152	44	0	373	766
9:45 AM	0	172	22	0	194	0	0	0	0	0	26	123	0	0	149	176	184	53	0	413	756
Total	0	843	77	0	920	0	0	0	0	0	100	518	0	0	618	720	694	174	0	1588	3126
Grand Total	0	2713	197	0	2910	1	0	0	0	1	246	1706	0	0	1952	2176	2139	466	0	4781	9644
Approach %	0.0	93.2	6.8	0.0		100.0	0.0	0.0	0.0		12.6	87.4	0.0	0.0		45.5	44.7	9.7	0.0		
Total %	0.0	28.1	2.0	0.0	30.2	0.0	0.0	0.0	0.0	0.0	2.6	17.7	0.0	0.0	20.2	22.6	22.2	4.8	0.0	49.6	
Exiting Leg Total	2173					2582					4889					0					9644
Cars	0	2696	192	0	2888	1	0	0	0	1	235	1691	0	0	1926	2163	1989	453	0	4605	9420
% Cars	0.0	99.4	97.5	0.0	99.2	100.0	0.0	0.0	0.0	100.0	95.5	99.1	0.0	0.0	98.7	99.4	93.0	97.2	0.0	96.3	97.7
Exiting Leg Total	2145					2416					4859					0					9420
Heavy Vehicles	0	17	5	0	22	0	0	0	0	0	11	15	0	0	26	13	150	13	0	176	224
% Heavy Vehicles	0.0	0.6	2.5	0.0	0.8	0.0	0.0	0.0	0.0	0.0	4.5	0.9	0.0	0.0	1.3	0.6	7.0	2.8	0.0	3.7	2.3
Exiting Leg Total	28					166					30					0					224

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:30 AM	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:30 AM	0	223	19	0	242	0	0	0	0	0	12	163	0	0	175	206	187	40	0	433	850
7:45 AM	0	253	23	0	276	0	0	0	0	0	23	183	0	0	206	165	178	32	0	375	857
8:00 AM	0	244	10	0	254	0	0	0	0	0	19	121	0	0	140	199	205	35	0	439	833
8:15 AM	0	245	19	0	264	0	0	0	0	0	26	160	0	0	186	180	193	19	0	392	842
Total Volume	0	965	71	0	1036	0	0	0	0	0	80	627	0	0	707	750	763	126	0	1639	3382
% Approach Total	0.0	93.1	6.9	0.0		0.0	0.0	0.0	0.0		11.3	88.7	0.0	0.0		45.8	46.6	7.7	0.0		
PHF	0.000	0.954	0.772	0.000	0.938	0.000	0.000	0.000	0.000	0.000	0.769	0.857	0.000	0.000	0.858	0.910	0.930	0.788	0.000	0.933	0.987
Cars	0	958	69	0	1027	0	0	0	0	0	78	622	0	0	700	748	719	122	0	1589	3316
Cars %	0.0	99.3	97.2	0.0	99.1	0.0	0.0	0.0	0.0	0.0	97.5	99.2	0.0	0.0	99.0	99.7	94.2	96.8	0.0	96.9	98.0
Heavy Vehicles	0	7	2	0	9	0	0	0	0	0	2	5	0	0	7	2	44	4	0	50	66
Heavy Vehicles %	0.0	0.7	2.8	0.0	0.9	0.0	0.0	0.0	0.0	0.0	2.5	0.8	0.0	0.0	1.0	0.3	5.8	3.2	0.0	3.1	2.0
Cars Enter Leg	0	958	69	0	1027	0	0	0	0	0	78	622	0	0	700	748	719	122	0	1589	3316
Heavy Entering Leg	0	7	2	0	9	0	0	0	0	0	2	5	0	0	7	2	44	4	0	50	66
Total Entering Leg	0	965	71	0	1036	0	0	0	0	0	80	627	0	0	707	750	763	126	0	1639	3382
Cars Exiting Leg	744					866					1706					0					3316
Heavy Exiting Leg	9					48					9					0					66
Total Exiting Leg	753					914					1715					0					3382

PDI File #: **196890 A**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Cars**

	Memorial Drive					River Street					Memorial Drive					River Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
7:00 AM	0	205	13	0	218	0	0	0	0	0	12	119	0	0	131	147	160	41	0	348	697	
7:15 AM	0	217	12	0	229	0	0	0	0	0	19	162	0	0	181	175	118	32	0	325	735	
7:30 AM	0	220	17	0	237	0	0	0	0	0	12	161	0	0	173	206	178	39	0	423	833	
7:45 AM	0	251	23	0	274	0	0	0	0	0	22	182	0	0	204	164	167	30	0	361	839	
Total	0	893	65	0	958	0	0	0	0	0	65	624	0	0	689	692	623	142	0	1457	3104	
8:00 AM	0	242	10	0	252	0	0	0	0	0	19	121	0	0	140	199	193	35	0	427	819	
8:15 AM	0	245	19	0	264	0	0	0	0	0	25	158	0	0	183	179	181	18	0	378	825	
8:30 AM	0	215	12	0	227	0	0	0	0	0	14	144	0	0	158	195	194	46	0	435	820	
8:45 AM	0	261	10	0	271	1	0	0	0	1	18	131	0	0	149	185	172	43	0	400	821	
Total	0	963	51	0	1014	1	0	0	0	1	76	554	0	0	630	758	740	142	0	1640	3285	
9:00 AM	0	250	26	0	276	0	0	0	0	0	22	126	0	0	148	166	153	38	0	357	781	
9:15 AM	0	202	11	0	213	0	0	0	0	0	24	134	0	0	158	198	168	38	0	404	775	
9:30 AM	0	217	17	0	234	0	0	0	0	0	23	132	0	0	155	175	136	41	0	352	741	
9:45 AM	0	171	22	0	193	0	0	0	0	0	25	121	0	0	146	174	169	52	0	395	734	
Total	0	840	76	0	916	0	0	0	0	0	94	513	0	0	607	713	626	169	0	1508	3031	
Grand Total	0	2696	192	0	2888	1	0	0	0	1	235	1691	0	0	1926	2163	1989	453	0	4605	9420	
Approach %	0.0	93.4	6.6	0.0		100.0	0.0	0.0	0.0		12.2	87.8	0.0	0.0		47.0	43.2	9.8	0.0			
Total %	0.0	28.6	2.0	0.0	30.7	0.0	0.0	0.0	0.0	0.0	2.5	18.0	0.0	0.0	20.4	23.0	21.1	4.8	0.0	48.9		
Exiting Leg Total					2145					2416				4859							0	9420

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:30 AM	0	220	17	0	237	0	0	0	0	0	12	161	0	0	173	206	178	39	0	423	833
7:45 AM	0	251	23	0	274	0	0	0	0	0	22	182	0	0	204	164	167	30	0	361	839
8:00 AM	0	242	10	0	252	0	0	0	0	0	19	121	0	0	140	199	193	35	0	427	819
8:15 AM	0	245	19	0	264	0	0	0	0	0	25	158	0	0	183	179	181	18	0	378	825
Total Volume	0	958	69	0	1027	0	0	0	0	0	78	622	0	0	700	748	719	122	0	1589	3316
% Approach Total	0.0	93.3	6.7	0.0		0.0	0.0	0.0	0.0		11.1	88.9	0.0	0.0		47.1	45.2	7.7	0.0		
PHF	0.000	0.954	0.750	0.000	0.937	0.000	0.000	0.000	0.000	0.000	0.780	0.854	0.000	0.000	0.858	0.908	0.931	0.782	0.000	0.930	0.988
Entering Leg	0	958	69	0	1027	0	0	0	0	0	78	622	0	0	700	748	719	122	0	1589	3316
Exiting Leg					744					866				1706						0	3316
Total					1771					866				2406						1589	6632

PDI File #: **196890 A**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	1	8	0	0	9	11
7:15 AM	0	3	1	0	4	0	0	0	0	0	2	1	0	0	3	2	10	2	0	14	21
7:30 AM	0	3	2	0	5	0	0	0	0	0	0	2	0	0	2	0	9	1	0	10	17
7:45 AM	0	2	0	0	2	0	0	0	0	0	1	1	0	0	2	1	11	2	0	14	18
<b>Total</b>	0	9	3	0	12	0	0	0	0	0	3	5	0	0	8	4	38	5	0	47	67
8:00 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	14
8:15 AM	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	1	12	1	0	14	17
8:30 AM	0	2	1	0	3	0	0	0	0	0	0	2	0	0	2	0	8	2	0	10	15
8:45 AM	0	1	0	0	1	0	0	0	0	0	1	1	0	0	2	1	12	0	0	13	16
<b>Total</b>	0	5	1	0	6	0	0	0	0	0	2	5	0	0	7	2	44	3	0	49	62
9:00 AM	0	2	1	0	3	0	0	0	0	0	1	1	0	0	2	1	18	0	0	19	24
9:15 AM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	2	19	1	0	22	24
9:30 AM	0	0	0	0	0	0	0	0	0	0	2	2	0	0	4	2	16	3	0	21	25
9:45 AM	0	1	0	0	1	0	0	0	0	0	1	2	0	0	3	2	15	1	0	18	22
<b>Total</b>	0	3	1	0	4	0	0	0	0	0	6	5	0	0	11	7	68	5	0	80	95
Grand Total	0	17	5	0	22	0	0	0	0	0	11	15	0	0	26	13	150	13	0	176	224
Approach %	0.0	77.3	22.7	0.0		0.0	0.0	0.0	0.0		42.3	57.7	0.0	0.0		7.4	85.2	7.4	0.0		
Total %	0.0	7.6	2.2	0.0	9.8	0.0	0.0	0.0	0.0	0.0	4.9	6.7	0.0	0.0	11.6	5.8	67.0	5.8	0.0	78.6	
Exiting Leg Total	28					166					30					0					224
Buses	0	8	1	0	9	0	0	0	0	0	8	2	0	0	10	0	43	8	0	51	70
% Buses	0.0	47.1	20.0	0.0	40.9	0.0	0.0	0.0	0.0	0.0	72.7	13.3	0.0	0.0	38.5	0.0	28.7	61.5	0.0	29.0	31.3
Exiting Leg Total	10					52					8					0					70
Single-Unit Trucks	0	7	3	0	10	0	0	0	0	0	3	12	0	0	15	12	92	5	0	109	134
% Single-Unit	0.0	41.2	60.0	0.0	45.5	0.0	0.0	0.0	0.0	0.0	27.3	80.0	0.0	0.0	57.7	92.3	61.3	38.5	0.0	61.9	59.8
Exiting Leg Total	17					98					19					0					134
Articulated Trucks	0	2	1	0	3	0	0	0	0	0	0	1	0	0	1	1	15	0	0	16	20
% Articulated	0.0	11.8	20.0	0.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	3.8	7.7	10.0	0.0	0.0	9.1	8.9
Exiting Leg Total	1					16					3					0					20

**Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	2	1	0	3	0	0	0	0	0	1	1	0	0	2	1	18	0	0	19	24
9:15 AM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	2	19	1	0	22	24
9:30 AM	0	0	0	0	0	0	0	0	0	0	2	2	0	0	4	2	16	3	0	21	25
9:45 AM	0	1	0	0	1	0	0	0	0	0	1	2	0	0	3	2	15	1	0	18	22
<b>Total Volume</b>	0	3	1	0	4	0	0	0	0	0	6	5	0	0	11	7	68	5	0	80	95
% Approach Total	0.0	75.0	25.0	0.0		0.0	0.0	0.0	0.0		54.5	45.5	0.0	0.0		8.8	85.0	6.3	0.0		
PHF	0.000	0.375	0.250	0.000	0.333	0.000	0.000	0.000	0.000	0.000	0.750	0.625	0.000	0.000	0.688	0.875	0.895	0.417	0.000	0.909	0.950
Buses	0	2	0	0	2	0	0	0	0	0	4	1	0	0	5	0	14	2	0	16	23
Buses %	0.0	66.7	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	66.7	20.0	0.0	0.0	45.5	0.0	20.6	40.0	0.0	20.0	24.2
Single-Unit Trucks	0	1	1	0	2	0	0	0	0	0	2	4	0	0	6	6	48	3	0	57	65
Single-Unit %	0.0	33.3	100.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	33.3	80.0	0.0	0.0	54.5	85.7	70.6	60.0	0.0	71.3	68.4
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	7	7
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	8.8	0.0	0.0	8.8	7.4
Buses	0	2	0	0	2	0	0	0	0	0	4	1	0	0	5	0	14	2	0	16	23
Single-Unit Trucks	0	1	1	0	2	0	0	0	0	0	2	4	0	0	6	6	48	3	0	57	65
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	7	7
<b>Total Entering Leg</b>	0	3	1	0	4	0	0	0	0	0	6	5	0	0	11	7	68	5	0	80	95
Buses	3					18					2					0					23
Single-Unit Trucks	7					51					7					0					65
Articulated Trucks	0					6					1					0					7
<b>Total Exiting Leg</b>	10					75					10					0					95



PDI File #: **196890 A**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Buses**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4
7:15 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	4	2	0	6	8
7:30 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	5
7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	3	2	0	5	6
Total	0	4	0	0	4	0	0	0	0	0	2	0	0	0	2	0	12	5	0	17	23
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
8:15 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	4	0	0	4	6
8:30 AM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	5	1	0	6	8
8:45 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	5	0	0	5	7
Total	0	2	1	0	3	0	0	0	0	0	2	1	0	0	3	0	17	1	0	18	24
9:00 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	3	0	0	3	5
9:15 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	4	0	0	4	5
9:30 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	4	2	0	6	8
9:45 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	3	0	0	3	5
Total	0	2	0	0	2	0	0	0	0	0	4	1	0	0	5	0	14	2	0	16	23
Grand Total	0	8	1	0	9	0	0	0	0	0	8	2	0	0	10	0	43	8	0	51	70
Approach %	0.0	88.9	11.1	0.0		0.0	0.0	0.0	0.0		80.0	20.0	0.0	0.0		0.0	84.3	15.7	0.0		
Total %	0.0	11.4	1.4	0.0	12.9	0.0	0.0	0.0	0.0	0.0	11.4	2.9	0.0	0.0	14.3	0.0	61.4	11.4	0.0	72.9	
Exiting Leg Total	10					52					8					0					70

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

8:15 AM	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:15 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	4	0	0	4	6
8:30 AM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	5	1	0	6	8
8:45 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	5	0	0	5	7
9:00 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	3	0	0	3	5
Total Volume	0	3	1	0	4	0	0	0	0	0	3	1	0	0	4	0	17	1	0	18	26
% Approach Total	0.0	75.0	25.0	0.0		0.0	0.0	0.0	0.0		75.0	25.0	0.0	0.0		0.0	94.4	5.6	0.0		
PHF	0.000	0.750	0.250	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.750	0.250	0.000	0.000	0.500	0.000	0.850	0.250	0.000	0.750	0.813
Entering Leg	0	3	1	0	4	0	0	0	0	0	3	1	0	0	4	0	17	1	0	18	26
Exiting Leg	2					21					3					0					26
Total	6					21					7					18					52

PDI File #: **196890 A**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Single-Unit Trucks**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	4	0	0	5	6
7:15 AM	0	2	0	0	2	0	0	0	0	0	1	1	0	0	2	2	6	0	0	8	12
7:30 AM	0	1	2	0	3	0	0	0	0	0	0	1	0	0	1	0	3	0	0	3	7
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	7	0	0	8	9
<b>Total</b>	0	3	2	0	5	0	0	0	0	0	1	4	0	0	5	4	20	0	0	24	34
8:00 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	9
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	8	1	0	10	11
8:30 AM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	2	1	0	3	6
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	7	0	0	8	9
<b>Total</b>	0	3	0	0	3	0	0	0	0	0	0	4	0	0	4	2	24	2	0	28	35
9:00 AM	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	1	12	0	0	13	16
9:15 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	15	1	0	17	18
9:30 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2	10	1	0	13	15
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	11	1	0	14	16
<b>Total</b>	0	1	1	0	2	0	0	0	0	0	2	4	0	0	6	6	48	3	0	57	65
<b>Grand Total</b>	0	7	3	0	10	0	0	0	0	0	3	12	0	0	15	12	92	5	0	109	134
Approach %	0.0	70.0	30.0	0.0		0.0	0.0	0.0	0.0		20.0	80.0	0.0	0.0		11.0	84.4	4.6	0.0		
Total %	0.0	5.2	2.2	0.0	7.5	0.0	0.0	0.0	0.0	0.0	2.2	9.0	0.0	0.0	11.2	9.0	68.7	3.7	0.0	81.3	
Exiting Leg Total	17					98					19					0					134

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

9:00 AM	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	1	12	0	0	13	16
9:15 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	15	1	0	17	18
9:30 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2	10	1	0	13	15
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	11	1	0	14	16
<b>Total Volume</b>	0	1	1	0	2	0	0	0	0	0	2	4	0	0	6	6	48	3	0	57	65
<b>% Approach Total</b>	0.0	50.0	50.0	0.0		0.0	0.0	0.0	0.0		33.3	66.7	0.0	0.0		10.5	84.2	5.3	0.0		
PHF	0.000	0.250	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.750	0.750	0.800	0.750	0.000	0.838	0.903
Entering Leg	0	1	1	0	2	0	0	0	0	0	2	4	0	0	6	6	48	3	0	57	65
Exiting Leg	7					51					7					0					65
<b>Total</b>	9					51					13					57					130

PDI File #: **196890 A**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Articulated Trucks**

	Memorial Drive					River Street					Memorial Drive					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1					
7:15 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1					
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	4	0	0	4	5					
7:45 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	3					
<b>Total</b>	0	2	1	0	3	0	0	0	0	0	0	1	0	0	1	0	6	0	0	6	10					
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1					
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3					
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3					
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1					
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1					
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	7	7					
<b>Grand Total</b>	0	2	1	0	3	0	0	0	0	0	0	1	0	0	1	1	15	0	0	16	20					
Approach %	0.0	66.7	33.3	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		6.3	93.8	0.0	0.0							
Total %	0.0	10.0	5.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	5.0	75.0	0.0	0.0	80.0						
Exiting Leg Total						1					16					3					0					20

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:15 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1					
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	4	0	0	4	5					
7:45 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	3					
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2					
<b>Total Volume</b>	0	2	1	0	3	0	0	0	0	0	0	1	0	0	1	0	7	0	0	7	11					
% Approach Total	0.0	66.7	33.3	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0							
PHF	0.000	0.250	0.250	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.000	0.438	0.000	0.000	0.438	0.550					
Entering Leg	0	2	1	0	3	0	0	0	0	0	0	1	0	0	1	0	7	0	0	7	11					
Exiting Leg						1					8					2					11					
<b>Total</b>						4					8					3					7					22

PDI File #: 196890 A  
 Location: N: Memorial Drive S: Memorial Drive  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Bicycles (on Roadway and Crosswalks)**

	Memorial Drive								River Street								Memorial Drive								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
7:00 AM	0	0	0	0	1	1	2		0	0	0	0	0	0	0		0	0	0	0	0	0	0		0	0	0	0	6	22	28		30
7:15 AM	0	0	0	0	1	0	1		0	0	0	0	0	0	0		0	0	1	0	0	0	0		0	2	0	0	3	30	35		37
7:30 AM	0	0	0	0	5	0	5		0	0	0	0	0	0	0		2	0	0	0	0	0	0		0	2	0	0	8	35	45		52
7:45 AM	0	0	0	0	1	1	2		0	0	0	0	0	0	0		4	0	0	0	0	0	0		0	9	0	0	3	37	49		55
Total	0	0	0	0	8	2	10		0	0	0	0	0	0	0		6	0	1	0	0	0	0		0	13	0	0	20	124	157		174
8:00 AM	0	0	0	0	1	0	1		0	0	0	0	1	0	1		1	0	0	0	0	0	0		0	1	0	0	3	20	24		27
8:15 AM	0	0	0	0	1	1	2		0	0	0	0	0	0	0		3	0	0	0	0	0	0		1	7	0	0	8	49	65		70
8:30 AM	0	0	1	0	3	0	4		0	0	0	0	0	0	0		1	0	0	0	0	0	0		1	6	1	0	6	47	61		66
8:45 AM	0	0	0	0	0	1	1		0	0	0	0	0	0	0		1	0	0	0	0	0	0		0	4	0	0	10	32	46		48
Total	0	0	1	0	5	2	8		0	0	0	0	1	0	1		6	0	0	0	0	0	0		2	18	1	0	27	148	196		211
9:00 AM	0	0	0	0	1	0	1		0	0	0	0	0	0	0		3	0	0	0	0	4	7		0	0	0	0	8	21	29		37
9:15 AM	0	0	0	0	1	0	1		0	0	0	0	0	0	0		0	0	0	0	0	0	0		0	4	0	0	6	29	39		40
9:30 AM	0	0	0	0	0	0	0		0	0	0	0	0	0	0		0	0	0	0	0	0	0		0	5	0	0	9	25	39		39
9:45 AM	0	0	0	0	2	0	2		0	0	0	0	0	0	0		1	0	0	0	0	0	0		0	1	0	0	4	14	19		22
Total	0	0	0	0	4	0	4		0	0	0	0	0	0	0		4	0	0	0	0	4	8		0	10	0	0	27	89	126		138
Grand Total	0	0	1	0	17	4	22		0	0	0	0	1	0	1		16	0	1	0	0	4	21		2	41	1	0	74	361	479		523
Approach %	0.0	0.0	4.5	0.0	77.3	18.2		0.0	0.0	0.0	0.0	100.0	0.0		76.2	0.0	4.8	0.0	0.0	19.0		0.4	8.6	0.2	0.0	15.4	75.4						
Total %	0.0	0.0	0.2	0.0	3.3	0.8	4.2		0.0	0.0	0.0	0.0	0.2	0.0	0.2		3.1	0.0	0.2	0.0	0.0	0.8	4.0		0.4	7.8	0.2	0.0	14.1	69.0	91.6		
Exiting Leg Total	22								59								6								436							523	

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Memorial Drive								River Street								Memorial Drive								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
8:15 AM	0	0	0	0	1	1	2		0	0	0	0	0	0	0		3	0	0	0	0	0	0		1	7	0	0	8	49	65		70
8:30 AM	0	0	1	0	3	0	4		0	0	0	0	0	0	0		1	0	0	0	0	0	0		1	6	1	0	6	47	61		66
8:45 AM	0	0	0	0	0	1	1		0	0	0	0	0	0	0		1	0	0	0	0	0	0		0	4	0	0	10	32	46		48
9:00 AM	0	0	0	0	1	0	1		0	0	0	0	0	0	0		3	0	0	0	0	4	7		0	0	0	0	8	21	29		37
Total Volume	0	0	1	0	5	2	8		0	0	0	0	0	0	0		8	0	0	0	0	4	12		2	17	1	0	32	149	201		221
% Approach Total	0.0	0.0	12.5	0.0	62.5	25.0		0.0	0.0	0.0	0.0	0.0	0.0		66.7	0.0	0.0	0.0	0.0	33.3		1.0	8.5	0.5	0.0	15.9	74.1						
PHF	0.000	0.000	0.250	0.000	0.417	0.500	0.500		0.000	0.000	0.000	0.000	0.000	0.000		0.667	0.000	0.000	0.000	0.000	0.250	0.429		0.500	0.607	0.250	0.000	0.800	0.760	0.773		0.789	
Entering Leg	0	0	1	0	5	2	8		0	0	0	0	0	0	0		8	0	0	0	0	4	12		2	17	1	0	32	149	201		221
Exiting Leg	8								26								6								181							221	
Total	16								26								18								382							442	

PDI File #: 196890 A  
 Location: N: Memorial Drive S: Memorial Drive  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Pedestrians**

	Memorial Drive							River Street							Memorial Drive							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	3	2	5	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	13	12	25	33
7:15 AM	0	0	0	0	6	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	8	15	22	
7:30 AM	0	0	0	0	5	2	7	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	4	6	10	18	
7:45 AM	0	0	0	0	3	4	7	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	7	9	16	24	
Total	0	0	0	0	17	9	26	0	0	0	0	0	1	1	0	0	0	0	1	3	4	0	0	0	0	31	35	66	97
8:00 AM	0	0	0	0	5	1	6	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	6	9	15	23
8:15 AM	0	0	0	0	8	1	9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	8	10	18	28
8:30 AM	0	0	0	0	5	6	11	0	0	0	0	1	2	0	0	0	0	0	2	2	2	0	0	0	0	6	3	9	24
8:45 AM	0	0	0	0	8	0	8	0	0	0	0	1	0	1	0	0	0	0	2	2	4	0	0	0	0	5	5	10	23
Total	0	0	0	0	26	8	34	0	0	0	0	2	2	4	0	0	0	0	2	6	8	0	0	0	0	25	27	52	98
9:00 AM	0	0	0	0	3	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	12	17	
9:15 AM	0	0	0	0	2	2	4	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	5	11	16	21	
9:30 AM	0	0	0	0	2	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	10	15	
9:45 AM	0	0	0	0	5	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	7	16	22	
Total	0	0	0	0	12	8	20	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	22	32	54	75	
Grand Total	0	0	0	0	55	25	80	0	0	0	0	2	4	6	0	0	0	0	3	9	12	0	0	0	0	78	94	172	270
Approach %	0	0	0	0	68.8	31.3		0	0	0	0	33.3	66.7		0	0	0	0	25	75		0	0	0	0	45.3	54.7		
Total %	0	0	0	0	20.4	9.26	29.6	0	0	0	0	0.74	1.48	2.22	0	0	0	0	1.11	3.33	4.44	0	0	0	0	28.9	34.8	63.7	
Exiting Leg Total	80							6							12							172							270

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Memorial Drive							River Street							Memorial Drive							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:45 AM	0	0	0	0	3	4	7	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	7	9	16	24	
8:00 AM	0	0	0	0	5	1	6	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	6	9	15	23
8:15 AM	0	0	0	0	8	1	9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	8	10	18	28
8:30 AM	0	0	0	0	5	6	11	0	0	0	0	1	1	2	0	0	0	0	0	2	2	0	0	0	0	6	3	9	24
Total Volume	0	0	0	0	21	12	33	0	0	0	0	1	3	4	0	0	0	0	0	4	4	0	0	0	0	27	31	58	99
% Approach Total	0.0	0.0	0.0	0.0	63.6	36.4		0.0	0.0	0.0	0.0	25.0	75.0		0.0	0.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	46.6	53.4		
PHF	0.000	0.000	0.000	0.000	0.656	0.500	0.750	0.000	0.000	0.000	0.000	0.250	0.750	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.844	0.775	0.806	0.884
Entering Leg	0	0	0	0	21	12	33	0	0	0	0	1	3	4	0	0	0	0	0	4	4	0	0	0	0	27	31	58	99
Exiting Leg	33							4							4							58							99
Total	66							8							8							116							198

PDI File #: **196890 AA**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars and Heavy Vehicles (Combined)**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	120	13	0	133	0	0	0	0	0	14	216	0	0	230	115	174	97	0	386	749
4:45 PM	0	133	18	0	151	0	0	0	0	0	8	231	0	0	239	123	110	108	0	341	731
<b>Total</b>	<b>0</b>	<b>253</b>	<b>31</b>	<b>0</b>	<b>284</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>447</b>	<b>0</b>	<b>0</b>	<b>469</b>	<b>238</b>	<b>284</b>	<b>205</b>	<b>0</b>	<b>727</b>	<b>1480</b>
5:00 PM	0	132	20	0	152	0	0	0	0	0	7	212	0	0	219	194	131	72	0	397	768
5:15 PM	0	207	20	0	227	0	0	0	0	0	7	248	0	0	255	131	111	56	0	298	780
5:30 PM	0	176	11	0	187	0	0	0	0	0	12	178	0	0	190	151	190	65	0	406	783
5:45 PM	0	136	12	0	148	0	0	0	0	0	11	217	0	0	228	121	161	63	0	345	721
<b>Total</b>	<b>0</b>	<b>651</b>	<b>63</b>	<b>0</b>	<b>714</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>	<b>855</b>	<b>0</b>	<b>0</b>	<b>892</b>	<b>597</b>	<b>593</b>	<b>256</b>	<b>0</b>	<b>1446</b>	<b>3052</b>
6:00 PM	0	112	15	0	127	0	0	0	0	0	7	236	0	0	243	107	187	50	0	344	714
6:15 PM	0	150	11	0	161	0	0	0	0	0	11	176	0	0	187	134	163	72	0	369	717
6:30 PM	0	177	7	0	184	0	0	0	0	0	17	204	0	0	221	111	152	80	0	343	748
6:45 PM	0	126	13	0	139	0	0	0	0	0	14	179	0	0	193	147	172	82	0	401	733
<b>Total</b>	<b>0</b>	<b>565</b>	<b>46</b>	<b>0</b>	<b>611</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49</b>	<b>795</b>	<b>0</b>	<b>0</b>	<b>844</b>	<b>499</b>	<b>674</b>	<b>284</b>	<b>0</b>	<b>1457</b>	<b>2912</b>
7:00 PM	0	128	25	0	153	0	0	0	0	0	18	209	0	0	227	99	145	68	0	312	692
7:15 PM	0	108	20	0	128	0	0	0	0	0	11	191	0	0	202	99	191	77	0	367	697
<b>Total</b>	<b>0</b>	<b>236</b>	<b>45</b>	<b>0</b>	<b>281</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>400</b>	<b>0</b>	<b>0</b>	<b>429</b>	<b>198</b>	<b>336</b>	<b>145</b>	<b>0</b>	<b>679</b>	<b>1389</b>
Grand Total	0	1705	185	0	1890	0	0	0	0	0	137	2497	0	0	2634	1532	1887	890	0	4309	8833
Approach %	0.0	90.2	9.8	0.0		0.0	0.0	0.0	0.0	0.0	5.2	94.8	0.0	0.0		35.6	43.8	20.7	0.0		
Total %	0.0	19.3	2.1	0.0	21.4	0.0	0.0	0.0	0.0	0.0	1.6	28.3	0.0	0.0	29.8	17.3	21.4	10.1	0.0	48.8	
Exiting Leg Total	3387					2209					3237					0					8833
Cars	0	1700	183	0	1883	0	0	0	0	0	136	2486	0	0	2622	1521	1817	885	0	4223	8728
% Cars	0.0	99.7	98.9	0.0	99.6	0.0	0.0	0.0	0.0	0.0	99.3	99.6	0.0	0.0	99.5	99.3	96.3	99.4	0.0	98.0	98.8
Exiting Leg Total	3371					2136					3221					0					8728
Heavy Vehicles	0	5	2	0	7	0	0	0	0	0	1	11	0	0	12	11	70	5	0	86	105
% Heavy Vehicles	0.0	0.3	1.1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0	0.5	0.7	3.7	0.6	0.0	2.0	1.2
Exiting Leg Total	16					73					16					0					105

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:45 PM	0	133	18	0	151	0	0	0	0	0	8	231	0	0	239	123	110	108	0	341	731
5:00 PM	0	132	20	0	152	0	0	0	0	0	7	212	0	0	219	194	131	72	0	397	768
5:15 PM	0	207	20	0	227	0	0	0	0	0	7	248	0	0	255	131	111	56	0	298	780
5:30 PM	0	176	11	0	187	0	0	0	0	0	12	178	0	0	190	151	190	65	0	406	783
Total Volume	0	648	69	0	717	0	0	0	0	0	34	869	0	0	903	599	542	301	0	1442	3062
% Approach Total	0.0	90.4	9.6	0.0		0.0	0.0	0.0	0.0	0.0	3.8	96.2	0.0	0.0		41.5	37.6	20.9	0.0		
PHF	0.000	0.783	0.863	0.000	0.790	0.000	0.000	0.000	0.000	0.000	0.708	0.876	0.000	0.000	0.885	0.772	0.713	0.697	0.000	0.888	0.978
Cars	0	645	67	0	712	0	0	0	0	0	33	862	0	0	895	593	527	300	0	1420	3027
Cars %	0.0	99.5	97.1	0.0	99.3	0.0	0.0	0.0	0.0	0.0	97.1	99.2	0.0	0.0	99.1	99.0	97.2	99.7	0.0	98.5	98.9
Heavy Vehicles	0	3	2	0	5	0	0	0	0	0	1	7	0	0	8	6	15	1	0	22	35
Heavy Vehicles %	0.0	0.5	2.9	0.0	0.7	0.0	0.0	0.0	0.0	0.0	2.9	0.8	0.0	0.0	0.9	1.0	2.8	0.3	0.0	1.5	1.1
Cars Enter Leg	0	645	67	0	712	0	0	0	0	0	33	862	0	0	895	593	527	300	0	1420	3027
Heavy Enter Leg	0	3	2	0	5	0	0	0	0	0	1	7	0	0	8	6	15	1	0	22	35
Total Entering Leg	0	648	69	0	717	0	0	0	0	0	34	869	0	0	903	599	542	301	0	1442	3062
Cars Exiting Leg	1162					627					1238					0					3027
Heavy Exiting Leg	8					18					9					0					35
Total Exiting Leg	1170					645					1247					0					3062

PDI File #: **196890 AA**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



**Cars**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	120	13	0	133	0	0	0	0	0	14	216	0	0	230	114	163	95	0	372	735
4:45 PM	0	132	17	0	149	0	0	0	0	0	8	230	0	0	238	122	108	107	0	337	724
<b>Total</b>	<b>0</b>	<b>252</b>	<b>30</b>	<b>0</b>	<b>282</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>446</b>	<b>0</b>	<b>0</b>	<b>468</b>	<b>236</b>	<b>271</b>	<b>202</b>	<b>0</b>	<b>709</b>	<b>1459</b>
5:00 PM	0	132	20	0	152	0	0	0	0	0	7	210	0	0	217	190	128	72	0	390	759
5:15 PM	0	207	19	0	226	0	0	0	0	0	6	245	0	0	251	130	108	56	0	294	771
5:30 PM	0	174	11	0	185	0	0	0	0	0	12	177	0	0	189	151	183	65	0	399	773
5:45 PM	0	136	12	0	148	0	0	0	0	0	11	217	0	0	228	121	155	63	0	339	715
<b>Total</b>	<b>0</b>	<b>649</b>	<b>62</b>	<b>0</b>	<b>711</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>849</b>	<b>0</b>	<b>0</b>	<b>885</b>	<b>592</b>	<b>574</b>	<b>256</b>	<b>0</b>	<b>1422</b>	<b>3018</b>
6:00 PM	0	112	15	0	127	0	0	0	0	0	7	235	0	0	242	106	180	50	0	336	705
6:15 PM	0	148	11	0	159	0	0	0	0	0	11	176	0	0	187	134	158	72	0	364	710
6:30 PM	0	177	7	0	184	0	0	0	0	0	17	202	0	0	219	110	149	79	0	338	741
6:45 PM	0	126	13	0	139	0	0	0	0	0	14	179	0	0	193	147	160	82	0	389	721
<b>Total</b>	<b>0</b>	<b>563</b>	<b>46</b>	<b>0</b>	<b>609</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49</b>	<b>792</b>	<b>0</b>	<b>0</b>	<b>841</b>	<b>497</b>	<b>647</b>	<b>283</b>	<b>0</b>	<b>1427</b>	<b>2877</b>
7:00 PM	0	128	25	0	153	0	0	0	0	0	18	208	0	0	226	97	141	68	0	306	685
7:15 PM	0	108	20	0	128	0	0	0	0	0	11	191	0	0	202	99	184	76	0	359	689
<b>Total</b>	<b>0</b>	<b>236</b>	<b>45</b>	<b>0</b>	<b>281</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>399</b>	<b>0</b>	<b>0</b>	<b>428</b>	<b>196</b>	<b>325</b>	<b>144</b>	<b>0</b>	<b>665</b>	<b>1374</b>
<b>Grand Total</b>	<b>0</b>	<b>1700</b>	<b>183</b>	<b>0</b>	<b>1883</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>136</b>	<b>2486</b>	<b>0</b>	<b>0</b>	<b>2622</b>	<b>1521</b>	<b>1817</b>	<b>885</b>	<b>0</b>	<b>4223</b>	<b>8728</b>
Approach %	0.0	90.3	9.7	0.0		0.0	0.0	0.0	0.0		5.2	94.8	0.0	0.0		36.0	43.0	21.0	0.0		
Total %	0.0	19.5	2.1	0.0	21.6	0.0	0.0	0.0	0.0	0.0	1.6	28.5	0.0	0.0	30.0	17.4	20.8	10.1	0.0	48.4	
Exiting Leg Total	3371					2136					3221					0					8728

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:45 PM	0	132	17	0	149	0	0	0	0	0	8	230	0	0	238	122	108	107	0	337	724
5:00 PM	0	132	20	0	152	0	0	0	0	0	7	210	0	0	217	190	128	72	0	390	759
5:15 PM	0	207	19	0	226	0	0	0	0	0	6	245	0	0	251	130	108	56	0	294	771
5:30 PM	0	174	11	0	185	0	0	0	0	0	12	177	0	0	189	151	183	65	0	399	773
<b>Total Volume</b>	<b>0</b>	<b>645</b>	<b>67</b>	<b>0</b>	<b>712</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>862</b>	<b>0</b>	<b>0</b>	<b>895</b>	<b>593</b>	<b>527</b>	<b>300</b>	<b>0</b>	<b>1420</b>	<b>3027</b>
<b>% Approach Total</b>	<b>0.0</b>	<b>90.6</b>	<b>9.4</b>	<b>0.0</b>		<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		<b>3.7</b>	<b>96.3</b>	<b>0.0</b>	<b>0.0</b>		<b>41.8</b>	<b>37.1</b>	<b>21.1</b>	<b>0.0</b>		
PHF	0.000	0.779	0.838	0.000	0.788	0.000	0.000	0.000	0.000	0.000	0.688	0.880	0.000	0.000	0.891	0.780	0.720	0.701	0.000	0.890	0.979
Entering Leg	0	645	67	0	712	0	0	0	0	0	33	862	0	0	895	593	527	300	0	1420	3027
Exiting Leg	1162					627					1238					0					3027
<b>Total</b>	<b>1874</b>					<b>627</b>					<b>2133</b>					<b>1420</b>					<b>6054</b>

PDI File #: **196890 AA**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class: **Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	2	0	14	14
4:45 PM	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	1	2	1	0	4	7
<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>13</b>	<b>3</b>	<b>0</b>	<b>18</b>	<b>21</b>
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	4	3	0	0	7	9
5:15 PM	0	0	1	0	1	0	0	0	0	0	1	3	0	0	4	1	3	0	0	4	9
5:30 PM	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	7	0	0	7	10
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
<b>Total</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>5</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>34</b>
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	7	0	0	8	9
6:15 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	7
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	3	1	0	5	7
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
<b>Total</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>27</b>	<b>1</b>	<b>0</b>	<b>30</b>	<b>35</b>
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	4	0	0	6	7
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	8	8
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>11</b>	<b>1</b>	<b>0</b>	<b>14</b>	<b>15</b>
<b>Grand Total</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>11</b>	<b>70</b>	<b>5</b>	<b>0</b>	<b>86</b>	<b>105</b>
Approach %	0.0	71.4	28.6	0.0		0.0	0.0	0.0	0.0		8.3	91.7	0.0	0.0		12.8	81.4	5.8	0.0		
Total %	0.0	4.8	1.9	0.0	6.7	0.0	0.0	0.0	0.0	0.0	1.0	10.5	0.0	0.0	11.4	10.5	66.7	4.8	0.0	81.9	
Exiting Leg Total	16					73					16					0					105
Buses	0	2	1	0	3	0	0	0	0	0	0	6	0	0	6	2	49	3	0	54	63
% Buses	0.0	40.0	50.0	0.0	42.9	0.0	0.0	0.0	0.0	0.0	0.0	54.5	0.0	0.0	50.0	18.2	70.0	60.0	0.0	62.8	60.0
Exiting Leg Total	9					50					4					0					63
Single-Unit Trucks	0	3	1	0	4	0	0	0	0	0	1	2	0	0	3	5	19	2	0	26	33
% Single-Unit	0.0	60.0	50.0	0.0	57.1	0.0	0.0	0.0	0.0	0.0	100.0	18.2	0.0	0.0	25.0	45.5	27.1	40.0	0.0	30.2	31.4
Exiting Leg Total	4					21					8					0					33
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4	2	0	0	6	9
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.3	0.0	0.0	25.0	36.4	2.9	0.0	0.0	7.0	8.6
Exiting Leg Total	3					2					4					0					9

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	2	0	14	14
4:45 PM	0	1	1	0	2	0	0	0	0	0	0	1	0	0	1	1	2	1	0	4	7
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	4	3	0	0	7	9
5:15 PM	0	0	1	0	1	0	0	0	0	0	1	3	0	0	4	1	3	0	0	4	9
Total Volume	0	1	2	0	3	0	0	0	0	0	1	6	0	0	7	7	19	3	0	29	39
% Approach Total	0.0	33.3	66.7	0.0		0.0	0.0	0.0	0.0		14.3	85.7	0.0	0.0		24.1	65.5	10.3	0.0		
PHF	0.000	0.250	0.500	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.250	0.500	0.000	0.000	0.438	0.438	0.432	0.375	0.000	0.518	0.696
Buses	0	1	1	0	2	0	0	0	0	0	0	3	0	0	3	2	12	2	0	16	21
Buses %	0.0	100.0	50.0	0.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	42.9	28.6	63.2	66.7	0.0	55.2	53.8
Single-Unit Trucks	0	0	1	0	1	0	0	0	0	0	1	2	0	0	3	4	7	1	0	12	16
Single-Unit %	0.0	0.0	50.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	100.0	33.3	0.0	0.0	42.9	57.1	36.8	33.3	0.0	41.4	41.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	2
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	14.3	14.3	0.0	0.0	0.0	3.4	5.1
Buses	0	1	1	0	2	0	0	0	0	0	0	3	0	0	3	2	12	2	0	16	21
Single-Unit Trucks	0	0	1	0	1	0	0	0	0	0	1	2	0	0	3	4	7	1	0	12	16
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	2
Total Entering Leg	0	1	2	0	3	0	0	0	0	0	1	6	0	0	7	7	19	3	0	29	39
Buses	5					13					3					0					21
Single-Unit Trucks	3					9					4					0					16
Articulated Trucks	1					0					1					0					2
Total Exiting Leg	9					22					8					0					39



PDI File #: **196890 AA**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Buses**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0	8	8
4:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
Total	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	6	2	0	9	10
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	3	0	0	3	4
5:15 PM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	1	3	0	0	4	7
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Total	0	0	1	0	1	0	0	0	0	0	0	3	0	0	3	1	16	0	0	17	21
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	5	0	0	5	6
6:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	2	3
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
Total	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	17	1	0	18	21
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	4	0	0	4	5
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	10	0	0	10	11
Grand Total	0	2	1	0	3	0	0	0	0	0	0	6	0	0	6	2	49	3	0	54	63
Approach %	0.0	66.7	33.3	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		3.7	90.7	5.6	0.0		
Total %	0.0	3.2	1.6	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	9.5	3.2	77.8	4.8	0.0	85.7	
Exiting Leg Total	9					50					4					0					63

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:15 PM	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	1	3	0	0	4	7
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	5	0	0	5	6
Total Volume	0	0	1	0	1	0	0	0	0	0	0	3	0	0	3	1	18	0	0	19	23
% Approach Total	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		5.3	94.7	0.0	0.0		
PHF	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.000	0.000	0.375	0.250	0.900	0.000	0.000	0.950	0.821
Entering Leg	0	0	1	0	1	0	0	0	0	0	0	3	0	0	3	1	18	0	0	19	23
Exiting Leg																					0
Total	4					19					4					19					46

PDI File #: **196890 AA**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Single-Unit Trucks**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	6	6
4:45 PM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	2	1	0	3	5
Total	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	1	7	1	0	9	11
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	2
5:30 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	4
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	2	0	0	2	0	0	0	0	0	1	1	0	0	2	3	3	0	0	6	10
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Total	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	9
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	3	3
Grand Total	0	3	1	0	4	0	0	0	0	0	1	2	0	0	3	5	19	2	0	26	33
Approach %	0.0	75.0	25.0	0.0		0.0	0.0	0.0	0.0		33.3	66.7	0.0	0.0		19.2	73.1	7.7	0.0		
Total %	0.0	9.1	3.0	0.0	12.1	0.0	0.0	0.0	0.0	0.0	3.0	6.1	0.0	0.0	9.1	15.2	57.6	6.1	0.0	78.8	
Exiting Leg Total	4					21					8					0					33

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	6	6
4:45 PM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	2	1	0	3	5
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	2
Total Volume	0	0	1	0	1	0	0	0	0	0	1	2	0	0	3	4	7	1	0	12	16
% Approach Total	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		33.3	66.7	0.0	0.0		33.3	58.3	8.3	0.0		
PHF	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.500	0.000	0.000	0.375	0.333	0.350	0.250	0.000	0.500	0.667
Entering Leg	0	0	1	0	1	0	0	0	0	0	1	2	0	0	3	4	7	1	0	12	16
Exiting Leg	3					9					4					0					16
Total	4					9					7					12					32

PDI File #: **196890 AA**  
 Location: **N: Memorial Drive S: Memorial Drive**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Articulated Trucks**

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	2
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	0	0	0	1	3
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	2
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	2	0	0	4	5
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Grand Total	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4	2	0	0	6	9
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		66.7	33.3	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	33.3	44.4	22.2	0.0	0.0	66.7	
Exiting Leg Total	3					2					4					0					9

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive					River Street					Memorial Drive					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	2
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	2	0	0	4	5
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		50.0	50.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.500	0.500	0.000	0.000	0.500	0.625
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	2	0	0	4	5
Exiting Leg	1					2					2					0					5
Total	1					2					3					4					10

PDI File #: 196890 AA  
 Location: N: Memorial Drive S: Memorial Drive  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Bicycles (on Roadway and Crosswalks)**

	Memorial Drive								River Street								Memorial Drive								River Street								Total	
	from North								from East								from South								from West									
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total			
4:30 PM	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	22	16	40	42	
4:45 PM	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	18	12	31	33
Total	0	0	0	0	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	40	28	71	75	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	0	0	0	0	0	0	0	16	13	29	33	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	1	0	0	0	27	19	47	50		
5:30 PM	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	1	0	2	0	0	3	6	0	2	0	0	35	16	53	61			
5:45 PM	0	0	0	0	1	2	3	0	0	0	0	0	0	0	0	2	0	2	0	0	0	3	7	2	2	0	0	40	16	60	70			
Total	0	1	0	0	2	2	5	0	0	0	0	0	0	0	0	3	0	4	0	2	11	20	2	5	0	0	118	64	189	214				
6:00 PM	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	1	0	0	0	33	12	46	53				
6:15 PM	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	1	0	0	3	5	0	2	0	0	15	17	34	40				
6:30 PM	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	14	10	24	26				
6:45 PM	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	15	9	25	28			
Total	0	0	0	0	2	4	6	0	0	0	0	0	0	0	0	1	1	1	0	1	8	12	1	3	0	0	77	48	129	147				
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0	16	14	30	34				
7:15 PM	0	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	0	2	0	0	22	7	31	39				
Total	0	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	1	8	9	0	2	0	0	38	21	61	73				
Grand Total	0	1	0	0	8	9	18	0	0	0	0	0	0	0	0	4	1	5	0	4	27	41	3	13	0	0	273	161	450	509				
Approach %	0.0	5.6	0.0	0.0	44.4	50.0		0.0	0.0	0.0	0.0	0.0	0.0		9.8	2.4	12.2	0.0	9.8	65.9		0.7	2.9	0.0	0.0	60.7	35.8							
Total %	0.0	0.2	0.0	0.0	1.6	1.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.2	1.0	0.0	0.8	5.3	8.1	0.6	2.6	0.0	0.0	53.6	31.6	88.4					
Exiting Leg Total							18								17						35								439		509			

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive								River Street								Memorial Drive								River Street								Total	
	from North								from East								from South								from West									
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total			
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	1	0	0	0	27	19	47	50			
5:30 PM	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	1	0	2	0	0	3	6	0	2	0	0	35	16	53	61				
5:45 PM	0	0	0	0	1	2	3	0	0	0	0	0	0	0	0	2	0	2	0	0	3	7	2	2	0	0	40	16	60	70				
6:00 PM	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	1	0	0	0	33	12	46	53				
Total Volume	0	1	0	0	2	4	7	0	0	0	0	0	0	0	0	3	0	4	0	1	13	21	3	5	0	0	135	63	206	234				
% Approach Total	0.0	14.3	0.0	0.0	28.6	57.1		0.0	0.0	0.0	0.0	0.0	0.0		14.3	0.0	19.0	0.0	4.8	61.9		1.5	2.4	0.0	0.0	65.5	30.6							
PHF	0.000	0.250	0.000	0.000	0.500	0.500	0.583	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.000	0.500	0.000	0.250	0.813	0.750	0.375	0.625	0.000	0.000	0.844	0.829	0.858	0.836					
Entering Leg	0	1	0	0	2	4	7	0	0	0	0	0	0	0	3	0	4	0	1	13	21	3	5	0	0	135	63	206	234					
Exiting Leg							6								8						18								202		234			
Total							13								8						39								408		468			

PDI File #: 196890 AA  
 Location: N: Memorial Drive S: Memorial Drive  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Pedestrians**

	Memorial Drive								River Street								Memorial Drive								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	0	0	0	5	3	8	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	6	0	0	0	0	11	12	23	37		
4:45 PM	0	0	0	0	3	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	0	0	0	0	14	10	24	38		
Total	0	0	0	0	8	5	13	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	15	0	0	0	0	25	22	47	75		
5:00 PM	0	0	0	0	4	6	10	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	5	0	0	0	0	14	18	32	47		
5:15 PM	0	0	0	0	2	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	0	0	0	0	16	30	46	60		
5:30 PM	0	0	0	0	10	5	15	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	0	0	0	0	30	11	41	63		
5:45 PM	0	0	0	0	3	12	15	0	0	0	0	0	2	2	0	0	0	0	0	0	4	4	8	0	0	0	0	18	23	41	66		
Total	0	0	0	0	19	28	47	0	0	0	0	0	2	2	0	0	0	0	0	0	11	16	27	0	0	0	0	78	82	160	236		
6:00 PM	0	0	0	0	2	6	8	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	9	0	0	0	0	9	9	18	35		
6:15 PM	0	0	0	0	4	6	10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	0	0	0	0	8	16	24	38		
6:30 PM	0	0	0	0	9	5	14	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	7	0	0	0	0	18	16	34	55		
6:45 PM	0	0	0	0	4	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	14	21	35	43		
Total	0	0	0	0	19	19	38	0	0	0	0	0	0	0	0	0	0	0	0	0	10	12	22	0	0	0	0	49	62	111	171		
7:00 PM	0	0	0	0	8	7	15	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	0	0	0	0	18	24	42	61		
7:15 PM	0	0	0	0	2	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1	10	0	0	0	0	10	13	23	39		
Total	0	0	0	0	10	11	21	0	0	0	0	0	0	0	0	0	0	0	0	0	9	5	14	0	0	0	0	28	37	65	100		
Grand Total	0	0	0	0	56	63	119	0	0	0	0	0	2	2	0	0	0	0	0	0	34	44	78	0	0	0	0	180	203	383	582		
Approach %	0	0	0	0	47.1	52.9		0	0	0	0	0	100		0	0	0	0	0	0	43.6	56.4		0	0	0	0	47	53				
Total %	0	0	0	0	9.62	10.8	20.4	0	0	0	0	0	0.34	0.34	0	0	0	0	0	0	5.84	7.56	13.4	0	0	0	0	30.9	34.9	65.8			
Exiting Leg Total	119							2							78							383							582				

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Memorial Drive								River Street								Memorial Drive								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:00 PM	0	0	0	0	4	6	10	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	5	0	0	0	0	14	18	32	47		
5:15 PM	0	0	0	0	2	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	0	0	0	0	16	30	46	60		
5:30 PM	0	0	0	0	10	5	15	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	0	0	0	0	30	11	41	63		
5:45 PM	0	0	0	0	3	12	15	0	0	0	0	0	2	2	0	0	0	0	0	0	4	4	8	0	0	0	0	18	23	41	66		
Total Volume	0	0	0	0	19	28	47	0	0	0	0	0	2	2	0	0	0	0	0	0	11	16	27	0	0	0	0	78	82	160	236		
% Approach Total	0.0	0.0	0.0	0.0	40.4	59.6		0.0	0.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	0.0	40.7	59.3		0.0	0.0	0.0	0.0	48.8	51.3					
PHF	0.000	0.000	0.000	0.000	0.475	0.583	0.783	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.688	0.800	0.844	0.000	0.000	0.000	0.000	0.650	0.683	0.870	0.894			
Entering Leg	0	0	0	0	19	28	47	0	0	0	0	0	2	2	0	0	0	0	0	11	16	27	0	0	0	0	78	82	160	236			
Exiting Leg																													160	236			
Total	94							4							54							320							472				

PDI File #: **196890 C**  
 Location: **N: Franklin Street S: Franklin Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars and Heavy Vehicles (Combined)**

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	23	4	0	27	0	0	0	0	0	0	0	0	0	0	28	112	0	0	140	167
7:15 AM	0	26	3	0	29	0	0	0	0	0	0	0	0	0	0	23	118	0	0	141	170
7:30 AM	0	35	6	0	41	0	0	0	0	0	0	0	0	0	0	24	134	0	0	158	199
7:45 AM	0	44	11	0	55	0	0	0	0	0	0	0	0	0	0	23	147	0	0	170	225
<b>Total</b>	0	128	24	0	152	0	0	0	0	0	0	0	0	0	0	98	511	0	0	609	761
8:00 AM	0	51	10	0	61	0	0	0	0	0	0	0	0	0	0	26	130	0	0	156	217
8:15 AM	0	49	11	0	60	0	0	0	0	0	0	0	0	0	0	25	146	0	0	171	231
8:30 AM	0	47	15	0	62	0	0	0	0	0	0	0	0	0	0	11	110	0	0	121	183
8:45 AM	0	40	20	0	60	0	0	0	0	0	0	0	0	0	0	21	137	0	0	158	218
<b>Total</b>	0	187	56	0	243	0	0	0	0	0	0	0	0	0	0	83	523	0	0	606	849
9:00 AM	0	54	10	0	64	0	0	0	0	0	0	0	0	0	0	19	131	0	0	150	214
9:15 AM	0	36	6	0	42	0	0	0	0	0	0	0	0	0	0	22	123	0	0	145	187
9:30 AM	0	33	13	0	46	0	0	0	0	0	0	0	0	0	0	25	131	0	0	156	202
9:45 AM	0	40	6	0	46	0	0	0	0	0	0	0	0	0	0	17	128	0	0	145	191
<b>Total</b>	0	163	35	0	198	0	0	0	0	0	0	0	0	0	0	83	513	0	0	596	794
Grand Total	0	478	115	0	593	0	0	0	0	0	0	0	0	0	0	264	1547	0	0	1811	2404
Approach %	0.0	80.6	19.4	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		14.6	85.4	0.0	0.0		
Total %	0.0	19.9	4.8	0.0	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	64.4	0.0	0.0	75.3	
Exiting Leg Total	0					1662					742					0					2404
Cars	0	439	110	0	549	0	0	0	0	0	0	0	0	0	0	259	1414	0	0	1673	2222
% Cars	0.0	91.8	95.7	0.0	92.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.1	91.4	0.0	0.0	92.4	92.4
Exiting Leg Total	0					1524					698					0					2222
Heavy Vehicles	0	39	5	0	44	0	0	0	0	0	0	0	0	0	0	5	133	0	0	138	182
% Heavy Vehicles	0.0	8.2	4.3	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	8.6	0.0	0.0	7.6	7.6
Exiting Leg Total	0					138					44					0					182

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:30 AM	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:30 AM	0	35	6	0	41	0	0	0	0	0	0	0	0	0	0	24	134	0	0	158	199
7:45 AM	0	44	11	0	55	0	0	0	0	0	0	0	0	0	0	23	147	0	0	170	225
8:00 AM	0	51	10	0	61	0	0	0	0	0	0	0	0	0	0	26	130	0	0	156	217
8:15 AM	0	49	11	0	60	0	0	0	0	0	0	0	0	0	0	25	146	0	0	171	231
<b>Total Volume</b>	0	179	38	0	217	0	0	0	0	0	0	0	0	0	0	98	557	0	0	655	872
% Approach Total	0.0	82.5	17.5	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		15.0	85.0	0.0	0.0		
PHF	0.000	0.877	0.864	0.000	0.889	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.942	0.947	0.000	0.000	0.958	0.944
Cars	0	167	38	0	205	0	0	0	0	0	0	0	0	0	0	96	517	0	0	613	818
Cars %	0.0	93.3	100.0	0.0	94.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.0	92.8	0.0	0.0	93.6	93.8
Heavy Vehicles	0	12	0	0	12	0	0	0	0	0	0	0	0	0	0	2	40	0	0	42	54
Heavy Vehicles %	0.0	6.7	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.2	0.0	0.0	6.4	6.2
Cars Enter Leg	0	167	38	0	205	0	0	0	0	0	0	0	0	0	0	96	517	0	0	613	818
Heavy Enter Leg	0	12	0	0	12	0	0	0	0	0	0	0	0	0	0	2	40	0	0	42	54
<b>Total Entering Leg</b>	0	179	38	0	217	0	0	0	0	0	0	0	0	0	0	98	557	0	0	655	872
Cars Exiting Leg	0					555					263					0					818
Heavy Exiting Leg	0					40					14					0					54
<b>Total Exiting Leg</b>	0					595					277					0					872

PDI File #: **196890 C**  
 Location: **N: Franklin Street S: Franklin Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Cars**

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	18	3	0	21	0	0	0	0	0	0	0	0	0	0	28	105	0	0	133	154
7:15 AM	0	23	3	0	26	0	0	0	0	0	0	0	0	0	0	21	110	0	0	131	157
7:30 AM	0	34	6	0	40	0	0	0	0	0	0	0	0	0	0	23	123	0	0	146	186
7:45 AM	0	42	11	0	53	0	0	0	0	0	0	0	0	0	0	23	137	0	0	160	213
<b>Total</b>	0	117	23	0	140	0	0	0	0	0	0	0	0	0	0	95	475	0	0	570	710
8:00 AM	0	46	10	0	56	0	0	0	0	0	0	0	0	0	0	26	121	0	0	147	203
8:15 AM	0	45	11	0	56	0	0	0	0	0	0	0	0	0	0	24	136	0	0	160	216
8:30 AM	0	42	12	0	54	0	0	0	0	0	0	0	0	0	0	11	99	0	0	110	164
8:45 AM	0	38	20	0	58	0	0	0	0	0	0	0	0	0	0	21	122	0	0	143	201
<b>Total</b>	0	171	53	0	224	0	0	0	0	0	0	0	0	0	0	82	478	0	0	560	784
9:00 AM	0	52	10	0	62	0	0	0	0	0	0	0	0	0	0	19	117	0	0	136	198
9:15 AM	0	32	6	0	38	0	0	0	0	0	0	0	0	0	0	22	109	0	0	131	169
9:30 AM	0	30	12	0	42	0	0	0	0	0	0	0	0	0	0	24	116	0	0	140	182
9:45 AM	0	37	6	0	43	0	0	0	0	0	0	0	0	0	0	17	119	0	0	136	179
<b>Total</b>	0	151	34	0	185	0	0	0	0	0	0	0	0	0	0	82	461	0	0	543	728
Grand Total	0	439	110	0	549	0	0	0	0	0	0	0	0	0	0	259	1414	0	0	1673	2222
Approach %	0.0	80.0	20.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		15.5	84.5	0.0	0.0		
Total %	0.0	19.8	5.0	0.0	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	63.6	0.0	0.0	75.3	
Exiting Leg Total	0					1524					698					0					2222

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:30 AM	0	34	6	0	40	0	0	0	0	0	0	0	0	0	0	23	123	0	0	146	186
7:45 AM	0	42	11	0	53	0	0	0	0	0	0	0	0	0	0	23	137	0	0	160	213
8:00 AM	0	46	10	0	56	0	0	0	0	0	0	0	0	0	0	26	121	0	0	147	203
8:15 AM	0	45	11	0	56	0	0	0	0	0	0	0	0	0	0	24	136	0	0	160	216
<b>Total Volume</b>	0	167	38	0	205	0	0	0	0	0	0	0	0	0	0	96	517	0	0	613	818
% Approach Total	0.0	81.5	18.5	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		15.7	84.3	0.0	0.0		
PHF	0.000	0.908	0.864	0.000	0.915	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.923	0.943	0.000	0.000	0.958	0.947
Entering Leg	0	167	38	0	205	0	0	0	0	0	0	0	0	0	0	96	517	0	0	613	818
Exiting Leg	0					555					263					0					818
<b>Total</b>	205					555					263					613					1636

PDI File #: 196890 C  
 Location: N: Franklin Street S: Franklin Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	5	1	0	6	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	13
7:15 AM	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	2	8	0	0	10	13
7:30 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	11	0	0	12	13
7:45 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	12
Total	0	11	1	0	12	0	0	0	0	0	0	0	0	0	0	3	36	0	0	39	51
8:00 AM	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	14
8:15 AM	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	1	10	0	0	11	15
8:30 AM	0	5	3	0	8	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	19
8:45 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	15	0	0	15	17
Total	0	16	3	0	19	0	0	0	0	0	0	0	0	0	0	1	45	0	0	46	65
9:00 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	16
9:15 AM	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	18
9:30 AM	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	1	15	0	0	16	20
9:45 AM	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	12
Total	0	12	1	0	13	0	0	0	0	0	0	0	0	0	0	1	52	0	0	53	66
Grand Total	0	39	5	0	44	0	0	0	0	0	0	0	0	0	0	5	133	0	0	138	182
Approach %	0.0	88.6	11.4	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		3.6	96.4	0.0	0.0		
Total %	0.0	21.4	2.7	0.0	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	73.1	0.0	0.0	75.8	
Exiting Leg Total	0					138					44					0					182
Buses	0	26	1	0	27	0	0	0	0	0	0	0	0	0	0	2	50	0	0	52	79
% Buses	0.0	66.7	20.0	0.0	61.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	37.6	0.0	0.0	37.7	43.4
Exiting Leg Total	0					51					28					0					79
Single-Unit Trucks	0	12	1	0	13	0	0	0	0	0	0	0	0	0	0	3	69	0	0	72	85
% Single-Unit	0.0	30.8	20.0	0.0	29.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	51.9	0.0	0.0	52.2	46.7
Exiting Leg Total	0					70					15					0					85
Articulated Trucks	0	1	3	0	4	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	18
% Articulated	0.0	2.6	60.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	10.1	9.9
Exiting Leg Total	0					17					1					0					18

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:45 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	15	0	0	15	17
9:00 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	16
9:15 AM	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	18
9:30 AM	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	1	15	0	0	16	20
Total Volume	0	11	1	0	12	0	0	0	0	0	0	0	0	0	0	1	58	0	0	59	71
% Approach Total	0.0	91.7	8.3	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		1.7	98.3	0.0	0.0		
PHF	0.000	0.688	0.250	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.967	0.000	0.000	0.922	0.888
Buses	0	7	0	0	7	0	0	0	0	0	0	0	0	0	0	1	18	0	0	19	26
Buses %	0.0	63.6	0.0	0.0	58.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	31.0	0.0	0.0	32.2	36.6
Single-Unit Trucks	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	35	0	0	35	39
Single-Unit %	0.0	36.4	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.3	0.0	0.0	59.3	54.9
Articulated Trucks	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	6
Articulated %	0.0	0.0	100.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	8.5	8.5
Buses	0	7	0	0	7	0	0	0	0	0	0	0	0	0	0	1	18	0	0	19	26
Single-Unit Trucks	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	35	0	0	35	39
Articulated Trucks	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	6
Total Entering Leg	0	11	1	0	12	0	0	0	0	0	0	0	0	0	0	1	58	0	0	59	71
Buses	0					18					8					0					26
Single-Unit Trucks	0					35					4					0					39
Articulated Trucks	0					6					0					0					6
Total Exiting Leg	0					59					12					0					71



PDI File #: **196890 C**  
 Location: **N: Franklin Street S: Franklin Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Buses**

	Franklin Street					River Street					Franklin Street					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	6
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	4
7:30 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	7
7:45 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	6
<b>Total</b>	0	7	0	0	7	0	0	0	0	0	0	0	0	0	0	0	16	0	0	16	0	0	0	0	0	23
8:00 AM	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	6
8:15 AM	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	7
8:30 AM	0	5	1	0	6	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	14
8:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	8
<b>Total</b>	0	12	1	0	13	0	0	0	0	0	0	0	0	0	0	1	21	0	0	22	0	0	0	0	0	35
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	5
9:15 AM	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	6
9:30 AM	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	7
9:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	3
<b>Total</b>	0	7	0	0	7	0	0	0	0	0	0	0	0	0	0	1	13	0	0	14	0	0	0	0	0	21
<b>Grand Total</b>	0	26	1	0	27	0	0	0	0	0	0	0	0	0	0	2	50	0	0	52	0	0	0	0	0	79
Approach %	0.0	96.3	3.7	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		3.8	96.2	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	32.9	1.3	0.0	34.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	63.3	0.0	0.0	65.8	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0					51					28					0					79					

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Franklin Street					River Street					Franklin Street					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
8:00 AM	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	6
8:15 AM	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	7
8:30 AM	0	5	1	0	6	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	14
8:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	8
<b>Total Volume</b>	0	12	1	0	13	0	0	0	0	0	0	0	0	0	0	1	21	0	0	22	0	0	0	0	0	35
<b>% Approach Total</b>	0.0	92.3	7.7	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		4.5	95.5	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.600	0.250	0.000	0.542	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.656	0.000	0.000	0.688	0.000	0.000	0.000	0.000	0.625	
Entering Leg	0	12	1	0	13	0	0	0	0	0	0	0	0	0	0	1	21	0	0	22	0	0	0	0	0	35
Exiting Leg	0					22					13					0					35					
<b>Total</b>	13					22					13					22					70					

PDI File #: **196890 C**  
 Location: **N: Franklin Street S: Franklin Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Single-Unit Trucks**

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	5
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	5	0	0	7	8
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	4
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
<b>Total</b>	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3	15	0	0	18	21
8:00 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	7
8:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	8
8:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
8:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	6
<b>Total</b>	0	4	1	0	5	0	0	0	0	0	0	0	0	0	0	0	19	0	0	19	24
9:00 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	10
9:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	12
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	11
9:45 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	7
<b>Total</b>	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	35	0	0	35	40
<b>Grand Total</b>	0	12	1	0	13	0	0	0	0	0	0	0	0	0	0	3	69	0	0	72	85
Approach %	0.0	92.3	7.7	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		4.2	95.8	0.0	0.0		
Total %	0.0	14.1	1.2	0.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	81.2	0.0	0.0	84.7	
Exiting Leg Total	0					70					15					0					85

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	10
9:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	12
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	11
9:45 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	7
<b>Total Volume</b>	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	35	0	0	35	40
<b>% Approach Total</b>	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.625	0.000	0.000	0.625	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.795	0.000	0.000	0.795	0.833
Entering Leg	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	35	0	0	35	40
Exiting Leg	0					35					5					0					40
<b>Total</b>	5					35					5					35					80

PDI File #: **196890 C**  
 Location: **N: Franklin Street S: Franklin Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Articulated Trucks**

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
<b>Total</b>	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	7
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
<b>Total</b>	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	6
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
<b>Total</b>	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	5
<b>Grand Total</b>	0	1	3	0	4	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	18
Approach %	0.0	25.0	75.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	5.6	16.7	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.8	0.0	0.0	77.8	
Exiting Leg Total	0					17					1					0					18

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
<b>Total Volume</b>	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	7
<b>% Approach Total</b>	0.0	50.0	50.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.250	0.250	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.625	0.875
Entering Leg	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	7
Exiting Leg	0					6					1					0					7
<b>Total</b>	2					6					1					5					14

PDI File #: 196890 C  
 Location: N: Franklin Street S: Franklin Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Bicycles (on Roadway and Crosswalks)**

	Franklin Street							River Street							Franklin Street							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	5	2	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7			
7:15 AM	0	7	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3			
7:30 AM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1			
7:45 AM	0	6	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	13			
Total	0	21	2	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	17			
8:00 AM	0	3	2	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6			
8:15 AM	0	3	1	0	0	0	4	0	0	0	0	0	0	0	0	0	1	1	1	0	12	0	0	0	12				
8:30 AM	0	14	4	0	0	0	18	0	0	0	0	0	2	2	0	0	0	1	3	4	1	9	0	0	10				
8:45 AM	0	8	2	0	0	0	10	0	0	0	0	0	3	3	0	0	0	0	0	0	2	10	0	0	12				
Total	0	28	9	0	0	0	37	0	0	0	0	0	5	5	0	0	0	1	4	5	3	37	0	0	40				
9:00 AM	0	4	1	0	0	0	5	0	0	0	0	0	0	0	0	0	1	1	0	4	0	0	0	0	4				
9:15 AM	0	7	2	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	5				
9:30 AM	0	5	2	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	7				
9:45 AM	0	1	3	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5				
Total	0	17	8	0	0	0	25	0	0	0	0	0	0	0	0	0	0	1	1	2	19	0	0	0	21				
Grand Total	0	66	19	0	0	0	85	0	0	0	0	0	5	5	0	0	0	1	5	6	5	73	0	0	0	78			
Approach %	0.0	77.6	22.4	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	16.7	83.3	6.4	93.6	0.0	0.0	0.0	0.0			
Total %	0.0	37.9	10.9	0.0	0.0	0.0	48.9	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0	0.0	0.0	0.0	0.6	2.9	3.4	2.9	42.0	0.0	0.0	0.0	44.8		
Exiting Leg Total	0							97							77							0							174

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Franklin Street							River Street							Franklin Street							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:00 AM	0	3	2	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6			
8:15 AM	0	3	1	0	0	0	4	0	0	0	0	0	0	0	0	0	1	1	0	12	0	0	0	0	12				
8:30 AM	0	14	4	0	0	0	18	0	0	0	0	0	2	2	0	0	0	0	1	3	4	1	9	0	0	10			
8:45 AM	0	8	2	0	0	0	10	0	0	0	0	0	3	3	0	0	0	0	0	0	0	2	10	0	0	12			
Total Volume	0	28	9	0	0	0	37	0	0	0	0	0	5	5	0	0	0	0	1	4	5	3	37	0	0	40			
% Approach Total	0.0	75.7	24.3	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	20.0	80.0	7.5	92.5	0.0	0.0	0.0	0.0			
PHF	0.000	0.500	0.563	0.000	0.000	0.000	0.514	0.000	0.000	0.000	0.000	0.000	0.417	0.417	0.000	0.000	0.000	0.000	0.250	0.333	0.313	0.375	0.771	0.000	0.000	0.000	0.833		
Entering Leg	0	28	9	0	0	0	37	0	0	0	0	0	5	5	0	0	0	0	1	4	5	3	37	0	0	40			
Exiting Leg	0							51							36							0							87
Total	37							56							41							40							174

PDI File #: 196890 C  
 Location: N: Franklin Street S: Franklin Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Pedestrians**

	Franklin Street								River Street								Franklin Street								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
7:00 AM	0	0	0	0	1	1	2		0	0	0	0	3	0	3		0	0	0	0	5	19	24		0	0	0	0	5	4	9		38
7:15 AM	0	0	0	0	2	5	7		0	0	0	0	2	8	10		0	0	0	0	10	31	41		0	0	0	0	4	4	8		66
7:30 AM	0	0	0	0	7	1	8		0	0	0	0	5	3	8		0	0	0	0	10	20	30		0	0	0	0	6	11	17		63
7:45 AM	0	0	0	0	2	1	3		0	0	0	0	4	2	6		0	0	0	0	10	34	44		0	0	0	0	4	12	16		69
Total	0	0	0	0	12	8	20		0	0	0	0	14	13	27		0	0	0	0	35	104	139		0	0	0	0	19	31	50		236
8:00 AM	0	0	0	0	0	2	2		0	0	0	0	12	6	18		0	0	0	0	8	33	41		0	0	0	0	5	15	20		81
8:15 AM	0	0	0	0	3	2	5		0	0	0	0	13	2	15		0	0	0	0	19	29	48		0	0	0	0	2	8	10		78
8:30 AM	0	0	0	0	4	0	4		0	0	0	0	9	3	12		0	0	0	0	16	38	54		0	0	0	0	2	20	22		92
8:45 AM	0	0	0	0	3	0	3		0	0	0	0	8	5	13		0	0	0	0	12	37	49		0	0	0	0	0	14	14		79
Total	0	0	0	0	10	4	14		0	0	0	0	42	16	58		0	0	0	0	55	137	192		0	0	0	0	9	57	66		330
9:00 AM	0	0	0	0	8	2	10		0	0	0	0	14	3	17		0	0	0	0	12	37	49		0	0	0	0	7	15	22		98
9:15 AM	0	0	0	0	1	1	2		0	0	0	0	5	2	7		0	0	0	0	14	33	47		0	0	0	0	4	12	16		72
9:30 AM	0	0	0	0	2	0	2		0	0	0	0	4	1	5		0	0	0	0	6	23	29		0	0	0	0	3	7	10		46
9:45 AM	0	0	0	0	4	0	4		0	0	0	0	7	2	9		0	0	0	0	5	27	32		0	0	0	0	1	12	13		58
Total	0	0	0	0	15	3	18		0	0	0	0	30	8	38		0	0	0	0	37	120	157		0	0	0	0	15	46	61		274
Grand Total	0	0	0	0	37	15	52		0	0	0	0	86	37	123		0	0	0	0	127	361	488		0	0	0	0	43	134	177		840
Approach %	0	0	0	0	71.2	28.8		0	0	0	0	69.9	30.1		0	0	0	0	26	74		0	0	0	0	24.3	75.7						
Total %	0	0	0	0	4.4	1.79	6.19		0	0	0	0	10.2	4.4	14.6		0	0	0	0	15.1	43	58.1		0	0	0	0	5.12	16	21.1		
Exiting Leg Total	52								123								488								177	840							

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Franklin Street								River Street								Franklin Street								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
8:15 AM	0	0	0	0	3	2	5		0	0	0	0	13	2	15		0	0	0	0	19	29	48		0	0	0	0	2	8	10		78
8:30 AM	0	0	0	0	4	0	4		0	0	0	0	9	3	12		0	0	0	0	16	38	54		0	0	0	0	2	20	22		92
8:45 AM	0	0	0	0	3	0	3		0	0	0	0	8	5	13		0	0	0	0	12	37	49		0	0	0	0	0	14	14		79
9:00 AM	0	0	0	0	8	2	10		0	0	0	0	14	3	17		0	0	0	0	12	37	49		0	0	0	0	7	15	22		98
Total Volume	0	0	0	0	18	4	22		0	0	0	0	44	13	57		0	0	0	0	59	141	200		0	0	0	0	11	57	68		347
% Approach Total	0.0	0.0	0.0	0.0	81.8	18.2		0.0	0.0	0.0	0.0	77.2	22.8		0.0	0.0	0.0	0.0	29.5	70.5		0.0	0.0	0.0	0.0	16.2	83.8						
PHF	0.000	0.000	0.000	0.000	0.563	0.500	0.550		0.000	0.000	0.000	0.000	0.786	0.650	0.838		0.000	0.000	0.000	0.000	0.776	0.928	0.926		0.000	0.000	0.000	0.000	0.393	0.713	0.773		0.885
Entering Leg	0	0	0	0	18	4	22		0	0	0	0	44	13	57		0	0	0	0	59	141	200		0	0	0	0	11	57	68		347
Exiting Leg	22								57								200								68	347							
Total	44								114								400								136	694							

PDI File #: 196890 CC  
 Location: N: Franklin Street S: Franklin Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahan Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars and Heavy Vehicles (Combined)**

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	28	8	0	36	0	0	0	0	0	0	0	0	0	0	23	159	0	0	182	218
4:45 PM	0	32	12	0	44	0	0	0	0	0	0	1	0	0	1	19	149	0	0	168	213
Total	0	60	20	0	80	0	0	0	0	0	0	1	0	0	1	42	308	0	0	350	431
5:00 PM	0	23	12	0	35	0	0	0	0	0	0	0	0	0	0	17	143	0	0	160	195
5:15 PM	0	28	8	0	36	0	0	0	0	0	0	0	0	0	0	18	140	0	0	158	194
5:30 PM	0	26	9	0	35	0	0	0	0	0	0	0	0	0	0	20	154	0	0	174	209
5:45 PM	0	35	5	0	40	0	0	0	0	0	0	0	0	0	0	28	165	0	0	193	233
Total	0	112	34	0	146	0	0	0	0	0	0	0	0	0	0	83	602	0	0	685	831
6:00 PM	0	30	13	0	43	0	0	0	0	0	0	0	0	0	0	22	141	0	0	163	206
6:15 PM	0	26	10	0	36	0	0	0	0	0	0	0	0	0	0	22	144	0	0	166	202
6:30 PM	0	37	10	0	47	0	0	0	0	0	0	0	0	0	0	18	115	0	0	133	180
6:45 PM	0	34	16	0	50	0	0	0	0	0	0	0	0	0	0	19	134	0	0	153	203
Total	0	127	49	0	176	0	0	0	0	0	0	0	0	0	0	81	534	0	0	615	791
7:00 PM	0	26	10	0	36	0	0	0	0	0	0	0	0	0	0	20	124	0	0	144	180
7:15 PM	0	30	14	0	44	0	0	0	0	0	0	0	0	0	0	25	135	0	0	160	204
Total	0	56	24	0	80	0	0	0	0	0	0	0	0	0	0	45	259	0	0	304	384
Grand Total	0	355	127	0	482	0	0	0	0	0	0	1	0	0	1	251	1703	0	0	1954	2437
Approach %	0.0	73.7	26.3	0.0		0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	12.8	87.2	0.0	0.0		
Total %	0.0	14.6	5.2	0.0	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	69.9	0.0	0.0	80.2	
Exiting Leg Total	1					1830					606					0					2437
Cars	0	336	127	0	463	0	0	0	0	0	0	0	0	0	0	251	1639	0	0	1890	2353
% Cars	0.0	94.6	100.0	0.0	96.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	96.2	0.0	0.0	96.7	96.6
Exiting Leg Total	0					1766					587					0					2353
Heavy Vehicles	0	19	0	0	19	0	0	0	0	0	0	1	0	0	1	0	64	0	0	64	84
% Heavy Vehicles	0.0	5.4	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	3.8	0.0	0.0	3.3	3.4
Exiting Leg Total	1					64					19					0					84

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	26	9	0	35	0	0	0	0	0	0	0	0	0	0	20	154	0	0	174	209
5:45 PM	0	35	5	0	40	0	0	0	0	0	0	0	0	0	0	28	165	0	0	193	233
6:00 PM	0	30	13	0	43	0	0	0	0	0	0	0	0	0	0	22	141	0	0	163	206
6:15 PM	0	26	10	0	36	0	0	0	0	0	0	0	0	0	0	22	144	0	0	166	202
Total Volume	0	117	37	0	154	0	0	0	0	0	0	0	0	0	0	92	604	0	0	696	850
% Approach Total	0.0	76.0	24.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	86.8	0.0	0.0		
PHF	0.000	0.836	0.712	0.000	0.895	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.821	0.915	0.000	0.000	0.902	0.912
Cars	0	113	37	0	150	0	0	0	0	0	0	0	0	0	0	92	577	0	0	669	819
Cars %	0.0	96.6	100.0	0.0	97.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	95.5	0.0	0.0	96.1	96.4
Heavy Vehicles	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	27	0	0	27	31
Heavy Vehicles %	0.0	3.4	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	3.9	3.6
Cars Enter Leg	0	113	37	0	150	0	0	0	0	0	0	0	0	0	0	92	577	0	0	669	819
Heavy Enter Leg	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	27	0	0	27	31
Total Entering Leg	0	117	37	0	154	0	0	0	0	0	0	0	0	0	0	92	604	0	0	696	850
Cars Exiting Leg	0					614					205					0					819
Heavy Exiting Leg	0					27					4					0					31
Total Exiting Leg	0					641					209					0					850

PDI File #: **196890 CC**  
 Location: **N: Franklin Street S: Franklin Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



**Cars**

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	26	8	0	34	0	0	0	0	0	0	0	0	0	0	23	152	0	0	175	209
4:45 PM	0	28	12	0	40	0	0	0	0	0	0	0	0	0	0	19	145	0	0	164	204
<b>Total</b>	<b>0</b>	<b>54</b>	<b>20</b>	<b>0</b>	<b>74</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>297</b>	<b>0</b>	<b>0</b>	<b>339</b>	<b>413</b>
5:00 PM	0	22	12	0	34	0	0	0	0	0	0	0	0	0	0	17	138	0	0	155	189
5:15 PM	0	26	8	0	34	0	0	0	0	0	0	0	0	0	0	18	140	0	0	158	192
5:30 PM	0	25	9	0	34	0	0	0	0	0	0	0	0	0	0	20	143	0	0	163	197
5:45 PM	0	33	5	0	38	0	0	0	0	0	0	0	0	0	0	28	158	0	0	186	224
<b>Total</b>	<b>0</b>	<b>106</b>	<b>34</b>	<b>0</b>	<b>140</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>83</b>	<b>579</b>	<b>0</b>	<b>0</b>	<b>662</b>	<b>802</b>
6:00 PM	0	29	13	0	42	0	0	0	0	0	0	0	0	0	0	22	137	0	0	159	201
6:15 PM	0	26	10	0	36	0	0	0	0	0	0	0	0	0	0	22	139	0	0	161	197
6:30 PM	0	36	10	0	46	0	0	0	0	0	0	0	0	0	0	18	111	0	0	129	175
6:45 PM	0	32	16	0	48	0	0	0	0	0	0	0	0	0	0	19	126	0	0	145	193
<b>Total</b>	<b>0</b>	<b>123</b>	<b>49</b>	<b>0</b>	<b>172</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>81</b>	<b>513</b>	<b>0</b>	<b>0</b>	<b>594</b>	<b>766</b>
7:00 PM	0	25	10	0	35	0	0	0	0	0	0	0	0	0	0	20	119	0	0	139	174
7:15 PM	0	28	14	0	42	0	0	0	0	0	0	0	0	0	0	25	131	0	0	156	198
<b>Total</b>	<b>0</b>	<b>53</b>	<b>24</b>	<b>0</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>250</b>	<b>0</b>	<b>0</b>	<b>295</b>	<b>372</b>
<b>Grand Total</b>	<b>0</b>	<b>336</b>	<b>127</b>	<b>0</b>	<b>463</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>251</b>	<b>1639</b>	<b>0</b>	<b>0</b>	<b>1890</b>	<b>2353</b>
Approach %	0.0	72.6	27.4	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		13.3	86.7	0.0	0.0		
Total %	0.0	14.3	5.4	0.0	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	69.7	0.0	0.0	80.3	
Exiting Leg Total	0					1766					587					0					2353

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	25	9	0	34	0	0	0	0	0	0	0	0	0	0	20	143	0	0	163	197
5:45 PM	0	33	5	0	38	0	0	0	0	0	0	0	0	0	0	28	158	0	0	186	224
6:00 PM	0	29	13	0	42	0	0	0	0	0	0	0	0	0	0	22	137	0	0	159	201
6:15 PM	0	26	10	0	36	0	0	0	0	0	0	0	0	0	0	22	139	0	0	161	197
<b>Total Volume</b>	<b>0</b>	<b>113</b>	<b>37</b>	<b>0</b>	<b>150</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>92</b>	<b>577</b>	<b>0</b>	<b>0</b>	<b>669</b>	<b>819</b>
<b>% Approach Total</b>	<b>0.0</b>	<b>75.3</b>	<b>24.7</b>	<b>0.0</b>		<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		<b>13.8</b>	<b>86.2</b>	<b>0.0</b>	<b>0.0</b>		
PHF	0.000	0.856	0.712	0.000	0.893	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.821	0.913	0.000	0.000	0.899	0.914
Entering Leg	0	113	37	0	150	0	0	0	0	0	0	0	0	0	0	92	577	0	0	669	819
Exiting Leg	0					614					205					0					819
<b>Total</b>	<b>150</b>					<b>614</b>					<b>205</b>					<b>669</b>					<b>1638</b>

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 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	9
4:45 PM	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	0	4	0	0	4	9
<b>Total</b>	0	6	0	0	6	0	0	0	0	0	0	1	0	0	1	0	11	0	0	11	18
5:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	6
5:15 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
5:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	12
5:45 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	9
<b>Total</b>	0	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	23	0	0	23	29
6:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	5
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
6:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	5
6:45 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	10
<b>Total</b>	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	21	0	0	21	25
7:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	6
7:15 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	6
<b>Total</b>	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	12
Grand Total	0	19	0	0	19	0	0	0	0	0	0	1	0	0	1	0	64	0	0	64	84
Approach %	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	22.6	0.0	0.0	22.6	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	0.0	76.2	0.0	0.0	76.2	
Exiting Leg Total	1					64					19					0					84
Buses	0	15	0	0	15	0	0	0	0	0	0	0	0	0	0	0	46	0	0	46	61
% Buses	0.0	78.9	0.0	0.0	78.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	0.0	0.0	71.9	72.6
Exiting Leg Total	0					46					15					0					61
Single-Unit Trucks	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	0	17	0	0	17	22
% Single-Unit	0.0	21.1	0.0	0.0	21.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	26.6	0.0	0.0	26.6	26.2
Exiting Leg Total	1					17					4					0					22
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	1.2
Exiting Leg Total	0					1					0					0					1

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

5:30 PM	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	12
5:45 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	9
6:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	5
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Total Volume	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	27	0	0	27	31
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.614	0.000	0.000	0.614	0.646
Buses	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	21	0	0	21	24
Buses %	0.0	75.0	0.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.8	0.0	0.0	77.8	77.4
Single-Unit Trucks	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	7
Single-Unit %	0.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	0.0	0.0	22.2	22.6
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buses	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	21	0	0	21	24
Single-Unit Trucks	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	7
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	27	0	0	27	31
Buses	0					21					3					0					24
Single-Unit Trucks	0					6					1					0					7
Articulated Trucks	0					0					0					0					0
Total Exiting Leg	0					27					4					0					31



PDI File #: **196890 CC**  
 Location: **N: Franklin Street S: Franklin Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Buses**

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
4:45 PM	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	7
Total	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	11
5:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	5
5:15 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
5:45 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	8
Total	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	18	0	0	18	23
6:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
6:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
6:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	6
Total	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	17
7:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	5
7:15 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	5
Total	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	10
Grand Total	0	15	0	0	15	0	0	0	0	0	0	0	0	0	0	0	46	0	0	46	61
Approach %	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	24.6	0.0	0.0	24.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.4	0.0	0.0	75.4	
Exiting Leg Total	0					46					15					0					61

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
5:45 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	8
6:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Total Volume	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	21	0	0	21	24
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.375	0.000	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.656	0.000	0.000	0.656	0.750
Entering Leg	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	21	0	0	21	24
Exiting Leg	0					21					3					0					24
Total	3					21					3					21					48

PDI File #: **196890 CC**  
 Location: **N: Franklin Street S: Franklin Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



**Single-Unit Trucks**

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	5
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
<b>Total</b>	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	4	0	0	4	7
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Total</b>	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	6
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
6:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
<b>Total</b>	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	7
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
<b>Grand Total</b>	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	0	17	0	0	17	22
Approach %	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	18.2	0.0	0.0	18.2	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	4.5	0.0	77.3	0.0	0.0	77.3	
Exiting Leg Total	1					17					4					0					22

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Franklin Street					River Street					Franklin Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	5
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Volume</b>	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	5	0	0	5	8
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.000	0.417	0.000	0.000	0.417	0.400
Entering Leg	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	5	0	0	5	8
Exiting Leg	1					5					2					0					8
<b>Total</b>	3					5					3					5					16

PDI File #: **196890 CC**  
 Location: **N: Franklin Street S: Franklin Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Articulated Trucks**

	Franklin Street					River Street					Franklin Street					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0							
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0						
Exiting Leg Total	0					1					0					0					1					

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Franklin Street					River Street					Franklin Street					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0							
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250					0.250	
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1
Exiting Leg	0					1					0					0					1					
Total	0					1					0					1					2					

PDI File #: 196890 CC  
 Location: N: Franklin Street S: Franklin Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Bicycles (on Roadway and Crosswalks)**

	Franklin Street								River Street								Franklin Street								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3			
4:45 PM	0	6	0	0	0	0	6	0	0	0	0	1	0	1	0	1	0	1	0	0	1	0	2	0	2	0	0	0	0	2			
Total	0	9	0	0	0	0	9	0	0	0	0	1	0	1	0	1	0	1	0	0	1	0	2	0	2	0	0	0	0	2			
5:00 PM	0	3	1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6				
5:15 PM	0	4	1	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	8				
5:30 PM	0	6	2	0	0	0	8	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	7	0	0	0	7				
5:45 PM	1	4	0	0	0	0	5	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5				
Total	1	17	4	0	0	0	22	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	26	0	0	0	0	26				
6:00 PM	0	2	1	0	0	0	3	0	0	0	0	3	1	4	0	0	0	0	1	0	1	0	1	0	3	0	0	0	2	5			
6:15 PM	0	7	1	0	0	0	8	0	0	0	0	1	0	1	0	0	0	0	0	0	1	1	0	3	0	0	0	0	3				
6:30 PM	0	13	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	3	3	2	2	0	0	0	0	0	4				
6:45 PM	0	8	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	3	0	0	0	2	5			
Total	0	30	2	0	0	0	32	0	0	0	0	4	1	5	0	0	1	0	1	4	6	2	11	0	0	0	0	4	17				
7:00 PM	0	4	0	0	0	0	4	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3			
7:15 PM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	0	0	0	0	0	5				
Total	0	5	0	0	0	0	5	0	0	0	0	1	0	1	0	0	0	0	0	1	1	1	7	0	0	0	0	0	8				
Grand Total	1	61	6	0	0	0	68	0	0	0	0	6	2	8	0	1	1	0	2	6	10	3	46	0	0	0	4	53	139				
Approach %	1.5	89.7	8.8	0.0	0.0	0.0		0.0	0.0	0.0	0.0	75.0	25.0		0.0	10.0	10.0	0.0	20.0	60.0		5.7	86.8	0.0	0.0	0.0	7.5						
Total %	0.7	43.9	4.3	0.0	0.0	0.0	48.9	0.0	0.0	0.0	0.0	4.3	1.4	5.8	0.0	0.7	0.7	0.0	1.4	4.3	7.2	2.2	33.1	0.0	0.0	0.0	2.9	38.1					
Exiting Leg Total							1							60							72							6	139				

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Franklin Street								River Street								Franklin Street								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
6:00 PM	0	2	1	0	0	0	3	0	0	0	0	3	1	4	0	0	0	0	1	0	1	0	3	0	0	0	0	2	5				
6:15 PM	0	7	1	0	0	0	8	0	0	0	0	1	0	1	0	0	0	0	0	1	1	0	3	0	0	0	0	0	3				
6:30 PM	0	13	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	3	3	2	2	0	0	0	0	0	4				
6:45 PM	0	8	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	3	0	0	0	2	5			
Total Volume	0	30	2	0	0	0	32	0	0	0	0	4	1	5	0	0	1	0	1	4	6	2	11	0	0	0	4	17					
% Approach Total	0.0	93.8	6.3	0.0	0.0	0.0		0.0	0.0	0.0	0.0	80.0	20.0		0.0	0.0	16.7	0.0	16.7	66.7		11.8	64.7	0.0	0.0	0.0	23.5						
PHF	0.000	0.577	0.500	0.000	0.000	0.000	0.615	0.000	0.000	0.000	0.000	0.333	0.250	0.313	0.000	0.000	0.250	0.000	0.250	0.333	0.500	0.250	0.917	0.000	0.000	0.000	0.500	0.850					
Entering Leg	0	30	2	0	0	0	32	0	0	0	0	4	1	5	0	0	1	0	1	4	6	2	11	0	0	0	4	17					
Exiting Leg							0							18							37							5					
Total							32							23							43							22					

PDI File #: 196890 CC  
 Location: N: Franklin Street S: Franklin Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Pedestrians**

	Franklin Street							River Street							Franklin Street							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	0	0	0	2	4	6	0	0	0	0	6	6	12	0	0	0	0	24	22	46	0	0	0	0	8	14	22	86
4:45 PM	0	0	0	0	12	1	13	0	0	0	0	15	4	19	0	0	0	0	23	33	56	0	0	0	0	7	6	13	101
Total	0	0	0	0	14	5	19	0	0	0	0	21	10	31	0	0	0	0	47	55	102	0	0	0	0	15	20	35	187
5:00 PM	0	0	0	0	4	7	11	0	0	0	0	6	12	18	0	0	0	0	28	24	52	0	0	0	0	5	8	13	94
5:15 PM	0	0	0	0	8	8	16	0	0	0	0	11	11	22	0	0	0	0	37	13	50	0	0	0	0	1	11	12	100
5:30 PM	0	0	0	0	0	2	2	0	0	0	0	9	16	25	0	0	0	0	37	22	59	0	0	0	0	10	16	26	112
5:45 PM	0	0	0	0	4	2	6	0	0	0	0	9	8	17	0	0	0	0	23	15	38	0	0	0	0	9	9	18	79
Total	0	0	0	0	16	19	35	0	0	0	0	35	47	82	0	0	0	0	125	74	199	0	0	0	0	25	44	69	385
6:00 PM	0	0	0	0	6	4	10	0	0	0	0	10	11	21	0	0	0	0	25	16	41	0	0	0	0	3	6	9	81
6:15 PM	0	0	0	0	1	3	4	0	0	0	0	3	3	6	0	0	0	0	32	23	55	0	0	0	0	5	6	11	76
6:30 PM	0	0	0	0	1	4	5	0	0	0	0	1	10	11	0	0	0	0	25	29	54	0	0	0	0	5	23	28	98
6:45 PM	0	0	0	0	3	3	6	0	0	0	0	16	5	21	0	0	0	0	32	11	43	0	0	0	0	5	7	12	82
Total	0	0	0	0	11	14	25	0	0	0	0	30	29	59	0	0	0	0	114	79	193	0	0	0	0	18	42	60	337
7:00 PM	0	0	0	0	8	4	12	0	0	0	0	7	8	15	0	0	0	0	44	25	69	0	0	0	0	11	15	26	122
7:15 PM	0	0	0	0	1	5	6	0	0	0	0	0	8	8	0	0	0	0	18	17	35	0	0	0	0	8	13	21	70
Total	0	0	0	0	9	9	18	0	0	0	0	7	16	23	0	0	0	0	62	42	104	0	0	0	0	19	28	47	192
Grand Total	0	0	0	0	50	47	97	0	0	0	0	93	102	195	0	0	0	0	348	250	598	0	0	0	0	77	134	211	1101
Approach %	0	0	0	0	51.5	48.5		0	0	0	0	47.7	52.3		0	0	0	0	58.2	41.8		0	0	0	0	36.5	63.5		
Total %	0	0	0	0	4.54	4.27	8.81	0	0	0	0	8.45	9.26	17.7	0	0	0	0	31.6	22.7	54.3	0	0	0	0	6.99	12.2	19.2	
Exiting Leg Total	97							195							598							211							1101

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Franklin Street							River Street							Franklin Street							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:45 PM	0	0	0	0	12	1	13	0	0	0	0	15	4	19	0	0	0	0	23	33	56	0	0	0	0	7	6	13	101
5:00 PM	0	0	0	0	4	7	11	0	0	0	0	6	12	18	0	0	0	0	28	24	52	0	0	0	0	5	8	13	94
5:15 PM	0	0	0	0	8	8	16	0	0	0	0	11	11	22	0	0	0	0	37	13	50	0	0	0	0	1	11	12	100
5:30 PM	0	0	0	0	0	2	2	0	0	0	0	9	16	25	0	0	0	0	37	22	59	0	0	0	0	10	16	26	112
Total Volume	0	0	0	0	24	18	42	0	0	0	0	41	43	84	0	0	0	0	125	92	217	0	0	0	0	23	41	64	407
% Approach Total	0.0	0.0	0.0	0.0	57.1	42.9		0.0	0.0	0.0	0.0	48.8	51.2		0.0	0.0	0.0	0.0	57.6	42.4		0.0	0.0	0.0	0.0	35.9	64.1		
PHF	0.000	0.000	0.000	0.000	0.500	0.563	0.656	0.000	0.000	0.000	0.000	0.683	0.672	0.840	0.000	0.000	0.000	0.000	0.845	0.697	0.919	0.000	0.000	0.000	0.000	0.575	0.641	0.615	0.908
Entering Leg	0	0	0	0	24	18	42	0	0	0	0	41	43	84	0	0	0	0	125	92	217	0	0	0	0	23	41	64	407
Exiting Leg	42							84							217							64							407
Total	84							168							434							128							814

PDI File #: **196890 D**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Prospect Street W: Magazine Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars and Heavy Vehicles (Combined)**

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	6	35	1	0	42	7	80	0	0	87	18	31	0	0	49	28	86	0	0	114	292
7:15 AM	5	62	0	0	67	9	93	0	0	102	22	45	0	0	67	27	91	0	0	118	354
7:30 AM	7	65	2	0	74	4	90	0	0	94	28	40	0	0	68	26	106	0	0	132	368
7:45 AM	6	68	0	0	74	0	107	0	0	107	17	47	1	0	65	34	112	1	0	147	393
<b>Total</b>	24	230	3	0	257	20	370	0	0	390	85	163	1	0	249	115	395	1	0	511	1407
8:00 AM	8	63	0	0	71	5	100	0	0	105	22	39	1	0	62	40	111	0	0	151	389
8:15 AM	8	66	1	0	75	6	98	0	0	104	21	50	0	0	71	28	111	0	0	139	389
8:30 AM	5	63	0	0	68	10	85	0	0	95	22	54	2	0	78	31	118	0	0	149	390
8:45 AM	8	55	0	0	63	8	95	0	0	103	21	41	0	0	62	31	130	0	0	161	389
<b>Total</b>	29	247	1	0	277	29	378	0	0	407	86	184	3	0	273	130	470	0	0	600	1557
9:00 AM	7	64	1	0	72	8	93	0	0	101	23	42	0	0	65	35	103	1	0	139	377
9:15 AM	4	61	0	0	65	6	84	0	0	90	26	38	0	0	64	39	104	0	0	143	362
9:30 AM	4	55	1	0	60	10	80	0	0	90	19	50	0	1	70	35	97	0	0	132	352
9:45 AM	6	58	2	0	66	12	80	0	0	92	24	44	0	0	68	38	101	1	1	141	367
<b>Total</b>	21	238	4	0	263	36	337	0	0	373	92	174	0	1	267	147	405	2	1	555	1458
<b>Grand Total</b>	74	715	8	0	797	85	1085	0	0	1170	263	521	4	1	789	392	1270	3	1	1666	4422
Approach %	9.3	89.7	1.0	0.0		7.3	92.7	0.0	0.0		33.3	66.0	0.5	0.1		23.5	76.2	0.2	0.1		
Total %	1.7	16.2	0.2	0.0	18.0	1.9	24.5	0.0	0.0	26.5	5.9	11.8	0.1	0.0	17.8	8.9	28.7	0.1	0.0	37.7	
<b>Exiting Leg Total</b>	609					1541					1108					1164					4422
Cars	68	600	8	0	676	78	1029	0	0	1107	251	405	1	0	657	279	1202	3	1	1485	3925
% Cars	91.9	83.9	100.0	0.0	84.8	91.8	94.8	0.0	0.0	94.6	95.4	77.7	25.0	0.0	83.3	71.2	94.6	100.0	100.0	89.1	88.8
<b>Exiting Leg Total</b>	486					1461					879					1099					3925
Heavy Vehicles	6	115	0	0	121	7	56	0	0	63	12	116	3	1	132	113	68	0	0	181	497
% Heavy Vehicles	8.1	16.1	0.0	0.0	15.2	8.2	5.2	0.0	0.0	5.4	4.6	22.3	75.0	100.0	16.7	28.8	5.4	0.0	0.0	10.9	11.2
<b>Exiting Leg Total</b>	123					80					229					65					497

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:45 AM	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:45 AM	6	68	0	0	74	0	107	0	0	107	17	47	1	0	65	34	112	1	0	147	393
8:00 AM	8	63	0	0	71	5	100	0	0	105	22	39	1	0	62	40	111	0	0	151	389
8:15 AM	8	66	1	0	75	6	98	0	0	104	21	50	0	0	71	28	111	0	0	139	389
8:30 AM	5	63	0	0	68	10	85	0	0	95	22	54	2	0	78	31	118	0	0	149	390
<b>Total Volume</b>	27	260	1	0	288	21	390	0	0	411	82	190	4	0	276	133	452	1	0	586	1561
% Approach Total	9.4	90.3	0.3	0.0		5.1	94.9	0.0	0.0		29.7	68.8	1.4	0.0		22.7	77.1	0.2	0.0		
PHF	0.844	0.956	0.250	0.000	0.960	0.525	0.911	0.000	0.000	0.960	0.932	0.880	0.500	0.000	0.885	0.831	0.958	0.250	0.000	0.970	0.993
Cars	25	217	1	0	243	19	370	0	0	389	79	145	1	0	225	98	429	1	0	528	1385
Cars %	92.6	83.5	100.0	0.0	84.4	90.5	94.9	0.0	0.0	94.6	96.3	76.3	25.0	0.0	81.5	73.7	94.9	100.0	0.0	90.1	88.7
Heavy Vehicles	2	43	0	0	45	2	20	0	0	22	3	45	3	0	51	35	23	0	0	58	176
Heavy Vehicles %	7.4	16.5	0.0	0.0	15.6	9.5	5.1	0.0	0.0	5.4	3.7	23.7	75.0	0.0	18.5	26.3	5.1	0.0	0.0	9.9	11.3
Cars Enter Leg	25	217	1	0	243	19	370	0	0	389	79	145	1	0	225	98	429	1	0	528	1385
Heavy Enter Leg	2	43	0	0	45	2	20	0	0	22	3	45	3	0	51	35	23	0	0	58	176
<b>Total Entering Leg</b>	27	260	1	0	288	21	390	0	0	411	82	190	4	0	276	133	452	1	0	586	1561
Cars Exiting Leg	165					509					315					396					1385
Heavy Exiting Leg	47					26					78					25					176
<b>Total Exiting Leg</b>	212					535					393					421					1561

PDI File #: **196890 D**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Prospect Street W: Magazine Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars**

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	5	28	1	0	34	6	77	0	0	83	18	22	0	0	40	20	83	0	0	103	260
7:15 AM	4	56	0	0	60	7	86	0	0	93	20	31	0	0	51	19	86	0	0	105	309
7:30 AM	7	53	2	0	62	4	88	0	0	92	25	32	0	0	57	19	102	0	0	121	332
7:45 AM	6	55	0	0	61	0	106	0	0	106	17	35	1	0	53	22	109	1	0	132	352
<b>Total</b>	<b>22</b>	<b>192</b>	<b>3</b>	<b>0</b>	<b>217</b>	<b>17</b>	<b>357</b>	<b>0</b>	<b>0</b>	<b>374</b>	<b>80</b>	<b>120</b>	<b>1</b>	<b>0</b>	<b>201</b>	<b>80</b>	<b>380</b>	<b>1</b>	<b>0</b>	<b>461</b>	<b>1253</b>
8:00 AM	7	58	0	0	65	5	95	0	0	100	21	28	0	0	49	34	108	0	0	142	356
8:15 AM	8	51	1	0	60	5	91	0	0	96	20	40	0	0	60	18	106	0	0	124	340
8:30 AM	4	53	0	0	57	9	78	0	0	87	21	42	0	0	63	24	106	0	0	130	337
8:45 AM	7	47	0	0	54	8	94	0	0	102	21	33	0	0	54	24	124	0	0	148	358
<b>Total</b>	<b>26</b>	<b>209</b>	<b>1</b>	<b>0</b>	<b>236</b>	<b>27</b>	<b>358</b>	<b>0</b>	<b>0</b>	<b>385</b>	<b>83</b>	<b>143</b>	<b>0</b>	<b>0</b>	<b>226</b>	<b>100</b>	<b>444</b>	<b>0</b>	<b>0</b>	<b>544</b>	<b>1391</b>
9:00 AM	6	55	1	0	62	8	86	0	0	94	22	35	0	0	57	24	95	1	0	120	333
9:15 AM	4	50	0	0	54	6	79	0	0	85	26	31	0	0	57	28	98	0	0	126	322
9:30 AM	4	44	1	0	49	10	73	0	0	83	17	41	0	0	58	21	89	0	0	110	300
9:45 AM	6	50	2	0	58	10	76	0	0	86	23	35	0	0	58	26	96	1	1	124	326
<b>Total</b>	<b>20</b>	<b>199</b>	<b>4</b>	<b>0</b>	<b>223</b>	<b>34</b>	<b>314</b>	<b>0</b>	<b>0</b>	<b>348</b>	<b>88</b>	<b>142</b>	<b>0</b>	<b>0</b>	<b>230</b>	<b>99</b>	<b>378</b>	<b>2</b>	<b>1</b>	<b>480</b>	<b>1281</b>
<b>Grand Total</b>	<b>68</b>	<b>600</b>	<b>8</b>	<b>0</b>	<b>676</b>	<b>78</b>	<b>1029</b>	<b>0</b>	<b>0</b>	<b>1107</b>	<b>251</b>	<b>405</b>	<b>1</b>	<b>0</b>	<b>657</b>	<b>279</b>	<b>1202</b>	<b>3</b>	<b>1</b>	<b>1485</b>	<b>3925</b>
Approach %	10.1	88.8	1.2	0.0		7.0	93.0	0.0	0.0		38.2	61.6	0.2	0.0		18.8	80.9	0.2	0.1		
Total %	1.7	15.3	0.2	0.0	17.2	2.0	26.2	0.0	0.0	28.2	6.4	10.3	0.0	0.0	16.7	7.1	30.6	0.1	0.0	37.8	
Exiting Leg Total					486					1461					879					1099	3925

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:00 AM	7	58	0	0	65	5	95	0	0	100	21	28	0	0	49	34	108	0	0	142	356
8:15 AM	8	51	1	0	60	5	91	0	0	96	20	40	0	0	60	18	106	0	0	124	340
8:30 AM	4	53	0	0	57	9	78	0	0	87	21	42	0	0	63	24	106	0	0	130	337
8:45 AM	7	47	0	0	54	8	94	0	0	102	21	33	0	0	54	24	124	0	0	148	358
<b>Total Volume</b>	<b>26</b>	<b>209</b>	<b>1</b>	<b>0</b>	<b>236</b>	<b>27</b>	<b>358</b>	<b>0</b>	<b>0</b>	<b>385</b>	<b>83</b>	<b>143</b>	<b>0</b>	<b>0</b>	<b>226</b>	<b>100</b>	<b>444</b>	<b>0</b>	<b>0</b>	<b>544</b>	<b>1391</b>
% Approach Total	11.0	88.6	0.4	0.0		7.0	93.0	0.0	0.0		36.7	63.3	0.0	0.0		18.4	81.6	0.0	0.0		
PHF	0.813	0.901	0.250	0.000	0.908	0.750	0.942	0.000	0.000	0.944	0.988	0.851	0.000	0.000	0.897	0.735	0.895	0.000	0.000	0.919	0.971
Entering Leg	26	209	1	0	236	27	358	0	0	385	83	143	0	0	226	100	444	0	0	544	1391
Exiting Leg					170					528					309					384	1391
<b>Total</b>					<b>406</b>					<b>913</b>					<b>535</b>					<b>928</b>	<b>2782</b>

PDI File #: **196890 D**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Prospect Street W: Magazine Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class: **Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	1	7	0	0	8	1	3	0	0	4	0	9	0	0	9	8	3	0	0	11	32
7:15 AM	1	6	0	0	7	2	7	0	0	9	2	14	0	0	16	8	5	0	0	13	45
7:30 AM	0	12	0	0	12	0	2	0	0	2	3	8	0	0	11	7	4	0	0	11	36
7:45 AM	0	13	0	0	13	0	1	0	0	1	0	12	0	0	12	12	3	0	0	15	41
<b>Total</b>	<b>2</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>3</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>5</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>35</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>154</b>
8:00 AM	1	5	0	0	6	0	5	0	0	5	1	11	1	0	13	6	3	0	0	9	33
8:15 AM	0	15	0	0	15	1	7	0	0	8	1	10	0	0	11	10	5	0	0	15	49
8:30 AM	1	10	0	0	11	1	7	0	0	8	1	12	2	0	15	7	12	0	0	19	53
8:45 AM	1	8	0	0	9	0	1	0	0	1	0	8	0	0	8	7	6	0	0	13	31
<b>Total</b>	<b>3</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>41</b>	<b>2</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>3</b>	<b>41</b>	<b>3</b>	<b>0</b>	<b>47</b>	<b>30</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>56</b>	<b>166</b>
9:00 AM	1	9	0	0	10	0	7	0	0	7	1	7	0	0	8	11	8	0	0	19	44
9:15 AM	0	11	0	0	11	0	5	0	0	5	0	7	0	0	7	11	6	0	0	17	40
9:30 AM	0	11	0	0	11	0	7	0	0	7	2	9	0	1	12	14	8	0	0	22	52
9:45 AM	0	8	0	0	8	2	4	0	0	6	1	9	0	0	10	12	5	0	0	17	41
<b>Total</b>	<b>1</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>2</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>4</b>	<b>32</b>	<b>0</b>	<b>1</b>	<b>37</b>	<b>48</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>177</b>
<b>Grand Total</b>	<b>6</b>	<b>115</b>	<b>0</b>	<b>0</b>	<b>121</b>	<b>7</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>12</b>	<b>116</b>	<b>3</b>	<b>1</b>	<b>132</b>	<b>113</b>	<b>68</b>	<b>0</b>	<b>0</b>	<b>181</b>	<b>497</b>
Approach %	5.0	95.0	0.0	0.0		11.1	88.9	0.0	0.0		9.1	87.9	2.3	0.8		62.4	37.6	0.0	0.0		
Total %	1.2	23.1	0.0	0.0	24.3	1.4	11.3	0.0	0.0	12.7	2.4	23.3	0.6	0.2	26.6	22.7	13.7	0.0	0.0	36.4	
Exiting Leg Total	123					80					229					65					497
Buses	1	51	0	0	52	2	27	0	0	29	3	44	0	0	47	53	36	0	0	89	217
% Buses	16.7	44.3	0.0	0.0	43.0	28.6	48.2	0.0	0.0	46.0	25.0	37.9	0.0	0.0	35.6	46.9	52.9	0.0	0.0	49.2	43.7
Exiting Leg Total	46					39					104					28					217
Single-Unit Trucks	5	58	0	0	63	4	26	0	0	30	8	65	3	1	77	48	28	0	0	76	246
% Single-Unit	83.3	50.4	0.0	0.0	52.1	57.1	46.4	0.0	0.0	47.6	66.7	56.0	100.0	100.0	58.3	42.5	41.2	0.0	0.0	42.0	49.5
Exiting Leg Total	69					36					107					34					246
Articulated Trucks	0	6	0	0	6	1	3	0	0	4	1	7	0	0	8	12	4	0	0	16	34
% Articulated	0.0	5.2	0.0	0.0	5.0	14.3	5.4	0.0	0.0	6.3	8.3	6.0	0.0	0.0	6.1	10.6	5.9	0.0	0.0	8.8	6.8
Exiting Leg Total	8					5					18					3					34

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:15 AM	0	15	0	0	15	1	7	0	0	8	1	10	0	0	11	10	5	0	0	15	49
8:30 AM	1	10	0	0	11	1	7	0	0	8	1	12	2	0	15	7	12	0	0	19	53
8:45 AM	1	8	0	0	9	0	1	0	0	1	0	8	0	0	8	7	6	0	0	13	31
9:00 AM	1	9	0	0	10	0	7	0	0	7	1	7	0	0	8	11	8	0	0	19	44
<b>Total Volume</b>	<b>3</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>2</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>3</b>	<b>37</b>	<b>2</b>	<b>0</b>	<b>42</b>	<b>35</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>66</b>	<b>177</b>
% Approach Total	6.7	93.3	0.0	0.0		8.3	91.7	0.0	0.0		7.1	88.1	4.8	0.0		53.0	47.0	0.0	0.0		
PHF	0.750	0.700	0.000	0.000	0.750	0.500	0.786	0.000	0.000	0.750	0.750	0.771	0.250	0.000	0.700	0.795	0.646	0.000	0.000	0.868	0.835
Buses	1	22	0	0	23	2	9	0	0	11	0	13	0	0	13	20	18	0	0	38	85
Buses %	33.3	52.4	0.0	0.0	51.1	100.0	40.9	0.0	0.0	45.8	0.0	35.1	0.0	0.0	31.0	57.1	58.1	0.0	0.0	57.6	48.0
Single-Unit Trucks	2	20	0	0	22	0	13	0	0	13	2	21	2	0	25	13	12	0	0	25	85
Single-Unit %	66.7	47.6	0.0	0.0	48.9	0.0	59.1	0.0	0.0	54.2	66.7	56.8	100.0	0.0	59.5	37.1	38.7	0.0	0.0	37.9	48.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	2	1	0	0	3	7
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	8.1	0.0	0.0	9.5	5.7	3.2	0.0	0.0	4.5	4.0
Buses	1	22	0	0	23	2	9	0	0	11	0	13	0	0	13	20	18	0	0	38	85
Single-Unit Trucks	2	20	0	0	22	0	13	0	0	13	2	21	2	0	25	13	12	0	0	25	85
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	2	1	0	0	3	7
<b>Total Entering Leg</b>	<b>3</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>2</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>3</b>	<b>37</b>	<b>2</b>	<b>0</b>	<b>42</b>	<b>35</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>66</b>	<b>177</b>
Buses	15					18					42					10					85
Single-Unit Trucks	21					14					33					17					85
Articulated Trucks	3					2					2					0					7
<b>Total Exiting Leg</b>	<b>39</b>					<b>34</b>					<b>77</b>					<b>27</b>					<b>177</b>



PDI File #: **196890 D**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Prospect Street W: Magazine Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Buses**

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	3	0	0	3	0	2	0	0	2	0	4	0	0	4	5	1	0	0	6	15
7:15 AM	0	4	0	0	4	0	4	0	0	4	2	3	0	0	5	5	4	0	0	9	22
7:30 AM	0	3	0	0	3	0	2	0	0	2	0	6	0	0	6	3	4	0	0	7	18
7:45 AM	0	7	0	0	7	0	1	0	0	1	0	3	0	0	3	4	3	0	0	7	18
<b>Total</b>	0	17	0	0	17	0	9	0	0	9	2	16	0	0	18	17	12	0	0	29	73
8:00 AM	0	2	0	0	2	0	4	0	0	4	1	3	0	0	4	3	0	0	0	3	13
8:15 AM	0	8	0	0	8	1	3	0	0	4	0	5	0	0	5	5	4	0	0	9	26
8:30 AM	0	3	0	0	3	1	4	0	0	5	0	4	0	0	4	2	8	0	0	10	22
8:45 AM	1	6	0	0	7	0	1	0	0	1	0	3	0	0	3	5	5	0	0	10	21
<b>Total</b>	1	19	0	0	20	2	12	0	0	14	1	15	0	0	16	15	17	0	0	32	82
9:00 AM	0	5	0	0	5	0	1	0	0	1	0	1	0	0	1	8	1	0	0	9	16
9:15 AM	0	2	0	0	2	0	1	0	0	1	0	4	0	0	4	4	3	0	0	7	14
9:30 AM	0	4	0	0	4	0	3	0	0	3	0	5	0	0	5	5	2	0	0	7	19
9:45 AM	0	4	0	0	4	0	1	0	0	1	0	3	0	0	3	4	1	0	0	5	13
<b>Total</b>	0	15	0	0	15	0	6	0	0	6	0	13	0	0	13	21	7	0	0	28	62
<b>Grand Total</b>	1	51	0	0	52	2	27	0	0	29	3	44	0	0	47	53	36	0	0	89	217
Approach %	1.9	98.1	0.0	0.0		6.9	93.1	0.0	0.0		6.4	93.6	0.0	0.0		59.6	40.4	0.0	0.0		
Total %	0.5	23.5	0.0	0.0	24.0	0.9	12.4	0.0	0.0	13.4	1.4	20.3	0.0	0.0	21.7	24.4	16.6	0.0	0.0	41.0	
Exiting Leg Total	46					39					104					28					217

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:15 AM	0	8	0	0	8	1	3	0	0	4	0	5	0	0	5	5	4	0	0	9	26
8:30 AM	0	3	0	0	3	1	4	0	0	5	0	4	0	0	4	2	8	0	0	10	22
8:45 AM	1	6	0	0	7	0	1	0	0	1	0	3	0	0	3	5	5	0	0	10	21
9:00 AM	0	5	0	0	5	0	1	0	0	1	0	1	0	0	1	8	1	0	0	9	16
<b>Total Volume</b>	1	22	0	0	23	2	9	0	0	11	0	13	0	0	13	20	18	0	0	38	85
<b>% Approach Total</b>	4.3	95.7	0.0	0.0		18.2	81.8	0.0	0.0		0.0	100.0	0.0	0.0		52.6	47.4	0.0	0.0		
PHF	0.250	0.688	0.000	0.000	0.719	0.500	0.563	0.000	0.000	0.550	0.000	0.650	0.000	0.000	0.650	0.625	0.563	0.000	0.000	0.950	0.817
Entering Leg	1	22	0	0	23	2	9	0	0	11	0	13	0	0	13	20	18	0	0	38	85
Exiting Leg	15					18					42					10					85
<b>Total</b>	38					29					55					48					170

PDI File #: **196890 D**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Prospect Street W: Magazine Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Single-Unit Trucks**

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	1	4	0	0	5	1	1	0	0	2	0	5	0	0	5	2	1	0	0	3	15
7:15 AM	1	2	0	0	3	2	3	0	0	5	0	9	0	0	9	3	1	0	0	4	21
7:30 AM	0	6	0	0	6	0	0	0	0	0	3	1	0	0	4	3	0	0	0	3	13
7:45 AM	0	5	0	0	5	0	0	0	0	0	0	8	0	0	8	5	0	0	0	5	18
<b>Total</b>	<b>2</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>3</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>13</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>67</b>
8:00 AM	1	3	0	0	4	0	1	0	0	1	0	8	1	0	9	3	3	0	0	6	20
8:15 AM	0	7	0	0	7	0	4	0	0	4	1	5	0	0	6	5	1	0	0	6	23
8:30 AM	1	7	0	0	8	0	3	0	0	3	1	8	2	0	11	3	4	0	0	7	29
8:45 AM	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	2	1	0	0	3	8
<b>Total</b>	<b>2</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>24</b>	<b>3</b>	<b>0</b>	<b>29</b>	<b>13</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>80</b>
9:00 AM	1	4	0	0	5	0	6	0	0	6	0	5	0	0	5	3	6	0	0	9	25
9:15 AM	0	7	0	0	7	0	3	0	0	3	0	3	0	0	3	6	3	0	0	9	22
9:30 AM	0	7	0	0	7	0	3	0	0	3	2	4	0	1	7	7	5	0	0	12	29
9:45 AM	0	4	0	0	4	1	2	0	0	3	1	6	0	0	7	6	3	0	0	9	23
<b>Total</b>	<b>1</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>1</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>3</b>	<b>18</b>	<b>0</b>	<b>1</b>	<b>22</b>	<b>22</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>99</b>
<b>Grand Total</b>	<b>5</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>4</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>8</b>	<b>65</b>	<b>3</b>	<b>1</b>	<b>77</b>	<b>48</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>76</b>	<b>246</b>
Approach %	7.9	92.1	0.0	0.0		13.3	86.7	0.0	0.0		10.4	84.4	3.9	1.3		63.2	36.8	0.0	0.0		
Total %	2.0	23.6	0.0	0.0	25.6	1.6	10.6	0.0	0.0	12.2	3.3	26.4	1.2	0.4	31.3	19.5	11.4	0.0	0.0	30.9	
Exiting Leg Total	69					36					107					34					246

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	1	4	0	0	5	0	6	0	0	6	0	5	0	0	5	3	6	0	0	9	25
9:15 AM	0	7	0	0	7	0	3	0	0	3	0	3	0	0	3	6	3	0	0	9	22
9:30 AM	0	7	0	0	7	0	3	0	0	3	2	4	0	1	7	7	5	0	0	12	29
9:45 AM	0	4	0	0	4	1	2	0	0	3	1	6	0	0	7	6	3	0	0	9	23
<b>Total Volume</b>	<b>1</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>1</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>3</b>	<b>18</b>	<b>0</b>	<b>1</b>	<b>22</b>	<b>22</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>99</b>
<b>% Approach Total</b>	<b>4.3</b>	<b>95.7</b>	<b>0.0</b>	<b>0.0</b>		<b>6.7</b>	<b>93.3</b>	<b>0.0</b>	<b>0.0</b>		<b>13.6</b>	<b>81.8</b>	<b>0.0</b>	<b>4.5</b>		<b>56.4</b>	<b>43.6</b>	<b>0.0</b>	<b>0.0</b>		
PHF	0.250	0.786	0.000	0.000	0.821	0.250	0.583	0.000	0.000	0.625	0.375	0.750	0.000	0.250	0.786	0.786	0.708	0.000	0.000	0.813	0.853
Entering Leg	1	22	0	0	23	1	14	0	0	15	3	18	0	1	22	22	17	0	0	39	99
Exiting Leg	19					20					45					15					99
<b>Total</b>	<b>42</b>					<b>35</b>					<b>67</b>					<b>54</b>					<b>198</b>

PDI File #: **196890 D**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Prospect Street W: Magazine Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Articulated Trucks**

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
7:30 AM	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	5
7:45 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	3	0	0	0	3	5
Total	0	4	0	0	4	0	0	0	0	0	0	4	0	0	4	5	1	0	0	6	14
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	2
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
Total	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	0	0	0	2	4
9:00 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	1	0	0	1	3
9:15 AM	0	2	0	0	2	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	4
9:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	1	0	0	3	4
9:45 AM	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	2	1	0	0	3	5
Total	0	2	0	0	2	1	3	0	0	4	1	1	0	0	2	5	3	0	0	8	16
Grand Total	0	6	0	0	6	1	3	0	0	4	1	7	0	0	8	12	4	0	0	16	34
Approach %	0.0	100.0	0.0	0.0		25.0	75.0	0.0	0.0		12.5	87.5	0.0	0.0		75.0	25.0	0.0	0.0		
Total %	0.0	17.6	0.0	0.0	17.6	2.9	8.8	0.0	0.0	11.8	2.9	20.6	0.0	0.0	23.5	35.3	11.8	0.0	0.0	47.1	
Exiting Leg Total	8					5					18					3					34

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	1	0	0	1	3
9:15 AM	0	2	0	0	2	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	4
9:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	1	0	0	3	4
9:45 AM	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	2	1	0	0	3	5
Total Volume	0	2	0	0	2	1	3	0	0	4	1	1	0	0	2	5	3	0	0	8	16
% Approach Total	0.0	100.0	0.0	0.0		25.0	75.0	0.0	0.0		50.0	50.0	0.0	0.0		62.5	37.5	0.0	0.0		
PHF	0.000	0.250	0.000	0.000	0.250	0.250	0.750	0.000	0.000	0.500	0.250	0.250	0.000	0.000	0.250	0.625	0.750	0.000	0.000	0.667	0.800
Entering Leg	0	2	0	0	2	1	3	0	0	4	1	1	0	0	2	5	3	0	0	8	16
Exiting Leg	2					4					7					3					16
Total	4					8					9					11					32

PDI File #: 196890 D  
 Location: N: Mass Ave S: Mass Ave  
 Location: E: Prospect Street W: Magazine Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Bicycles (on Roadway and Crosswalks)**

	Mass Ave							Prospect Street							Mass Ave							Magazine Street							Total	
	from North							from East							from South							from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
7:00 AM	0	15	0	0	0	0	15	0	4	0	0	0	0	4	0	8	0	0	0	0	2	10	4	0	0	0	0	4	33	
7:15 AM	0	10	0	0	0	0	10	0	6	0	0	0	0	6	1	8	0	0	0	0	0	9	2	3	0	0	0	0	5	30
7:30 AM	0	18	0	0	0	0	18	0	3	0	0	0	0	3	0	5	0	0	0	0	0	5	2	1	0	0	1	1	5	31
7:45 AM	0	24	0	0	0	1	25	1	3	0	0	0	0	4	1	6	0	0	0	0	0	7	2	8	0	0	2	0	12	48
Total	0	67	0	0	0	1	68	1	16	0	0	0	0	17	2	27	0	0	0	0	2	31	10	12	0	0	3	1	26	142
8:00 AM	0	27	0	0	0	2	29	0	3	0	0	0	0	3	2	6	0	0	0	0	1	9	8	4	0	0	0	0	12	53
8:15 AM	0	37	0	0	1	0	38	0	1	0	0	0	0	1	0	14	0	0	0	0	0	14	2	5	0	0	0	0	7	60
8:30 AM	2	50	0	0	0	0	52	3	3	0	0	0	0	6	1	12	0	0	0	0	1	14	4	8	0	0	2	0	14	86
8:45 AM	2	58	0	0	1	0	61	1	4	0	0	0	0	5	0	13	0	0	0	0	0	13	8	10	0	0	0	1	19	98
Total	4	172	0	0	2	2	180	4	11	0	0	0	0	15	3	45	0	0	0	0	2	50	22	27	0	0	2	1	52	297
9:00 AM	0	34	0	0	0	1	35	0	4	0	0	0	0	4	3	14	1	0	0	0	0	18	2	2	0	0	0	0	4	61
9:15 AM	0	19	1	0	0	0	20	1	5	0	0	1	0	7	1	14	1	0	0	0	0	16	4	4	0	0	0	0	8	51
9:30 AM	1	32	0	0	0	1	34	2	9	0	0	0	0	11	2	6	0	0	0	0	0	8	8	3	0	0	0	0	11	64
9:45 AM	1	22	1	0	0	2	26	1	0	0	0	0	0	1	1	8	0	0	0	0	1	10	4	4	0	0	1	0	9	46
Total	2	107	2	0	0	4	115	4	18	0	0	1	0	23	7	42	2	0	0	0	1	52	18	13	0	0	1	0	32	222
Grand Total	6	346	2	0	2	7	363	9	45	0	0	1	0	55	12	114	2	0	0	0	5	133	50	52	0	0	6	2	110	661
Approach %	1.7	95.3	0.6	0.0	0.6	1.9		16.4	81.8	0.0	0.0	1.8	0.0		9.0	85.7	1.5	0.0	0.0	3.8		45.5	47.3	0.0	0.0	5.5	1.8			
Total %	0.9	52.3	0.3	0.0	0.3	1.1	54.9	1.4	6.8	0.0	0.0	0.2	0.0	8.3	1.8	17.2	0.3	0.0	0.0	0.8	20.1	7.6	7.9	0.0	0.0	0.9	0.3	16.6		
Exiting Leg Total							132							67							401						61	661		

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Mass Ave							Prospect Street							Mass Ave							Magazine Street							Total	
	from North							from East							from South							from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
8:15 AM	0	37	0	0	1	0	38	0	1	0	0	0	0	1	0	14	0	0	0	0	0	14	2	5	0	0	0	0	7	60
8:30 AM	2	50	0	0	0	0	52	3	3	0	0	0	0	6	1	12	0	0	0	0	1	14	4	8	0	0	2	0	14	86
8:45 AM	2	58	0	0	1	0	61	1	4	0	0	0	0	5	0	13	0	0	0	0	0	13	8	10	0	0	0	1	19	98
9:00 AM	0	34	0	0	0	1	35	0	4	0	0	0	0	4	3	14	1	0	0	0	0	18	2	2	0	0	0	0	4	61
Total Volume	4	179	0	0	2	1	186	4	12	0	0	0	0	16	4	53	1	0	0	0	1	59	16	25	0	0	2	1	44	305
% Approach Total	2.2	96.2	0.0	0.0	1.1	0.5		25.0	75.0	0.0	0.0	0.0	0.0		6.8	89.8	1.7	0.0	0.0	1.7		36.4	56.8	0.0	0.0	4.5	2.3			
PHF	0.500	0.772	0.000	0.000	0.500	0.250	0.762	0.333	0.750	0.000	0.000	0.000	0.000	0.667	0.333	0.946	0.250	0.000	0.000	0.250	0.819	0.500	0.625	0.000	0.000	0.250	0.250	0.579	0.778	
Entering Leg	4	179	0	0	2	1	186	4	12	0	0	0	0	16	4	53	1	0	0	0	1	59	16	25	0	0	2	1	44	305
Exiting Leg							60							29							196						20	305		
Total							246							45							255						64	610		

PDI File #: 196890 D  
 Location: N: Mass Ave S: Mass Ave  
 Location: E: Prospect Street W: Magazine Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Pedestrians**

	Mass Ave								Prospect Street								Mass Ave								Magazine Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
7:00 AM	0	0	0	0	7	21	28		0	0	0	0	18	20	38		0	0	0	0	23	5	28		0	0	0	0	10	13	23		117
7:15 AM	0	0	0	0	8	22	30		0	0	0	0	35	21	56		0	0	0	0	25	7	32		0	0	0	0	10	21	31		149
7:30 AM	0	0	0	0	14	41	55		0	0	0	0	32	36	68		0	0	0	0	17	16	33		0	0	0	0	30	39	69		225
7:45 AM	0	0	0	0	13	25	38		0	0	0	0	37	34	71		0	0	0	0	23	17	40		0	0	0	0	21	26	47		196
Total	0	0	0	0	42	109	151		0	0	0	0	122	111	233		0	0	0	0	88	45	133		0	0	0	0	71	99	170		687
8:00 AM	0	0	0	0	16	51	67		0	0	0	0	47	34	81		0	0	0	0	17	16	33		0	0	0	0	38	44	82		263
8:15 AM	0	0	0	0	18	76	94		0	0	0	0	59	62	121		0	0	0	0	14	15	29		0	0	0	0	45	44	89		333
8:30 AM	0	0	0	0	25	72	97		0	0	0	0	69	63	132		0	0	0	0	19	12	31		0	0	0	0	41	36	77		337
8:45 AM	0	0	0	0	33	65	98		0	0	0	0	66	66	132		0	0	0	0	17	12	29		0	0	0	0	32	48	80		339
Total	0	0	0	0	92	264	356		0	0	0	0	241	225	466		0	0	0	0	67	55	122		0	0	0	0	156	172	328		1272
9:00 AM	0	0	0	0	27	42	69		0	0	0	0	60	51	111		0	0	0	0	32	18	50		0	0	0	0	35	42	77		307
9:15 AM	0	0	0	0	21	53	74		0	0	0	0	63	62	125		0	0	0	0	26	25	51		0	0	0	0	31	49	80		330
9:30 AM	0	0	0	0	13	46	59		0	0	0	0	52	61	113		0	0	0	0	26	22	48		0	0	0	0	19	34	53		273
9:45 AM	0	0	0	0	18	27	45		0	0	0	0	54	49	103		0	0	0	0	24	21	45		0	0	0	0	29	56	85		278
Total	0	0	0	0	79	168	247		0	0	0	0	229	223	452		0	0	0	0	108	86	194		0	0	0	0	114	181	295		1188
Grand Total	0	0	0	0	213	541	754		0	0	0	0	592	559	1151		0	0	0	0	263	186	449		0	0	0	0	341	452	793		3147
Approach %	0	0	0	0	28.2	71.8		0	0	0	0	51.4	48.6		0	0	0	0	58.6	41.4		0	0	0	0	43	57						
Total %	0	0	0	0	6.77	17.2	24		0	0	0	0	18.8	17.8	36.6		0	0	0	0	8.36	5.91	14.3		0	0	0	0	10.8	14.4	25.2		
Exiting Leg Total	754								1151								449								793	3147							

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Mass Ave								Prospect Street								Mass Ave								Magazine Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
8:15 AM	0	0	0	0	18	76	94		0	0	0	0	59	62	121		0	0	0	0	14	15	29		0	0	0	0	45	44	89		333
8:30 AM	0	0	0	0	25	72	97		0	0	0	0	69	63	132		0	0	0	0	19	12	31		0	0	0	0	41	36	77		337
8:45 AM	0	0	0	0	33	65	98		0	0	0	0	66	66	132		0	0	0	0	17	12	29		0	0	0	0	32	48	80		339
9:00 AM	0	0	0	0	27	42	69		0	0	0	0	60	51	111		0	0	0	0	32	18	50		0	0	0	0	35	42	77		307
Total Volume	0	0	0	0	103	255	358		0	0	0	0	254	242	496		0	0	0	0	82	57	139		0	0	0	0	153	170	323		1316
% Approach Total	0.0	0.0	0.0	0.0	28.8	71.2		0.0	0.0	0.0	0.0	51.2	48.8		0.0	0.0	0.0	0.0	59.0	41.0		0.0	0.0	0.0	0.0	47.4	52.6						
PHF	0.000	0.000	0.000	0.000	0.780	0.839	0.913		0.000	0.000	0.000	0.000	0.920	0.917	0.939		0.000	0.000	0.000	0.000	0.641	0.792	0.695		0.000	0.000	0.000	0.000	0.850	0.885	0.907		0.971
Entering Leg	0	0	0	0	103	255	358		0	0	0	0	254	242	496		0	0	0	0	82	57	139		0	0	0	0	153	170	323		1316
Exiting Leg	358								496								139								323	1316							
Total	716								992								278								646	2632							

PDI File #: **196890 DD**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Prospect Street W: Magazine Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



**Cars and Heavy Vehicles (Combined)**

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	5	46	0	0	51	5	100	0	0	105	16	73	0	0	89	32	116	0	0	148	393
4:45 PM	9	48	0	0	57	2	98	0	0	100	14	69	2	0	85	35	115	0	0	150	392
<b>Total</b>	<b>14</b>	<b>94</b>	<b>0</b>	<b>0</b>	<b>108</b>	<b>7</b>	<b>198</b>	<b>0</b>	<b>0</b>	<b>205</b>	<b>30</b>	<b>142</b>	<b>2</b>	<b>0</b>	<b>174</b>	<b>67</b>	<b>231</b>	<b>0</b>	<b>0</b>	<b>298</b>	<b>785</b>
5:00 PM	6	52	2	0	60	5	100	0	0	105	24	62	0	0	86	33	105	0	0	138	389
5:15 PM	3	54	1	0	58	1	101	0	0	102	12	73	3	0	88	20	116	0	0	136	384
5:30 PM	2	47	0	0	49	2	98	0	0	100	17	67	1	0	85	21	104	0	0	125	359
5:45 PM	4	56	1	0	61	4	98	0	0	102	16	74	0	0	90	27	122	0	0	149	402
<b>Total</b>	<b>15</b>	<b>209</b>	<b>4</b>	<b>0</b>	<b>228</b>	<b>12</b>	<b>397</b>	<b>0</b>	<b>0</b>	<b>409</b>	<b>69</b>	<b>276</b>	<b>4</b>	<b>0</b>	<b>349</b>	<b>101</b>	<b>447</b>	<b>0</b>	<b>0</b>	<b>548</b>	<b>1534</b>
6:00 PM	8	48	0	0	56	7	97	0	0	104	14	48	1	1	64	21	106	1	0	128	352
6:15 PM	6	49	0	0	55	5	100	0	0	105	17	61	0	0	78	26	111	0	0	137	375
6:30 PM	7	71	0	0	78	9	95	1	0	105	13	68	2	0	83	31	114	0	0	145	411
6:45 PM	13	55	0	0	68	4	101	0	0	105	21	57	1	0	79	33	108	0	0	141	393
<b>Total</b>	<b>34</b>	<b>223</b>	<b>0</b>	<b>0</b>	<b>257</b>	<b>25</b>	<b>393</b>	<b>1</b>	<b>0</b>	<b>419</b>	<b>65</b>	<b>234</b>	<b>4</b>	<b>1</b>	<b>304</b>	<b>111</b>	<b>439</b>	<b>1</b>	<b>0</b>	<b>551</b>	<b>1531</b>
7:00 PM	9	56	3	0	68	5	95	0	0	100	15	55	1	0	71	27	98	2	0	127	366
7:15 PM	7	50	1	0	58	8	96	0	0	104	13	60	0	0	73	33	104	0	0	137	372
<b>Total</b>	<b>16</b>	<b>106</b>	<b>4</b>	<b>0</b>	<b>126</b>	<b>13</b>	<b>191</b>	<b>0</b>	<b>0</b>	<b>204</b>	<b>28</b>	<b>115</b>	<b>1</b>	<b>0</b>	<b>144</b>	<b>60</b>	<b>202</b>	<b>2</b>	<b>0</b>	<b>264</b>	<b>738</b>
<b>Grand Total</b>	<b>79</b>	<b>632</b>	<b>8</b>	<b>0</b>	<b>719</b>	<b>57</b>	<b>1179</b>	<b>1</b>	<b>0</b>	<b>1237</b>	<b>192</b>	<b>767</b>	<b>11</b>	<b>1</b>	<b>971</b>	<b>339</b>	<b>1319</b>	<b>3</b>	<b>0</b>	<b>1661</b>	<b>4588</b>
Approach %	11.0	87.9	1.1	0.0		4.6	95.3	0.1	0.0		19.8	79.0	1.1	0.1		20.4	79.4	0.2	0.0		
Total %	1.7	13.8	0.2	0.0	15.7	1.2	25.7	0.0	0.0	27.0	4.2	16.7	0.2	0.0	21.2	7.4	28.7	0.1	0.0	36.2	
Exiting Leg Total	827					1519					973					1269					4588
Cars	79	567	8	0	654	55	1146	1	0	1202	188	705	10	1	904	277	1277	3	0	1557	4317
% Cars	100.0	89.7	100.0	0.0	91.0	96.5	97.2	100.0	0.0	97.2	97.9	91.9	90.9	100.0	93.1	81.7	96.8	100.0	0.0	93.7	94.1
Exiting Leg Total	763					1473					846					1235					4317
Heavy Vehicles	0	65	0	0	65	2	33	0	0	35	4	62	1	0	67	62	42	0	0	104	271
% Heavy Vehicles	0.0	10.3	0.0	0.0	9.0	3.5	2.8	0.0	0.0	2.8	2.1	8.1	9.1	0.0	6.9	18.3	3.2	0.0	0.0	6.3	5.9
Exiting Leg Total	64					46					127					34					271

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

4:30 PM	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	5	46	0	0	51	5	100	0	0	105	16	73	0	0	89	32	116	0	0	148	393
4:45 PM	9	48	0	0	57	2	98	0	0	100	14	69	2	0	85	35	115	0	0	150	392
5:00 PM	6	52	2	0	60	5	100	0	0	105	24	62	0	0	86	33	105	0	0	138	389
5:15 PM	3	54	1	0	58	1	101	0	0	102	12	73	3	0	88	20	116	0	0	136	384
<b>Total Volume</b>	<b>23</b>	<b>200</b>	<b>3</b>	<b>0</b>	<b>226</b>	<b>13</b>	<b>399</b>	<b>0</b>	<b>0</b>	<b>412</b>	<b>66</b>	<b>277</b>	<b>5</b>	<b>0</b>	<b>348</b>	<b>120</b>	<b>452</b>	<b>0</b>	<b>0</b>	<b>572</b>	<b>1558</b>
% Approach Total	10.2	88.5	1.3	0.0		3.2	96.8	0.0	0.0		19.0	79.6	1.4	0.0		21.0	79.0	0.0	0.0		
PHF	0.639	0.926	0.375	0.000	0.942	0.650	0.988	0.000	0.000	0.981	0.688	0.949	0.417	0.000	0.978	0.857	0.974	0.000	0.000	0.953	0.991
Cars	23	175	3	0	201	12	384	0	0	396	65	250	4	0	319	102	438	0	0	540	1456
Cars %	100.0	87.5	100.0	0.0	88.9	92.3	96.2	0.0	0.0	96.1	98.5	90.3	80.0	0.0	91.7	85.0	96.9	0.0	0.0	94.4	93.5
Heavy Vehicles	0	25	0	0	25	1	15	0	0	16	1	27	1	0	29	18	14	0	0	32	102
Heavy Vehicles %	0.0	12.5	0.0	0.0	11.1	7.7	3.8	0.0	0.0	3.9	1.5	9.7	20.0	0.0	8.3	15.0	3.1	0.0	0.0	5.6	6.5
Cars Enter Leg	23	175	3	0	201	12	384	0	0	396	65	250	4	0	319	102	438	0	0	540	1456
Heavy Enter Leg	0	25	0	0	25	1	15	0	0	16	1	27	1	0	29	18	14	0	0	32	102
Total Entering Leg	23	200	3	0	226	13	399	0	0	412	66	277	5	0	348	120	452	0	0	572	1558
Cars Exiting Leg	262					506					277					411					1456
Heavy Exiting Leg	28					15					43					16					102
Total Exiting Leg	290					521					320					427					1558

PDI File #: **196890 DD**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Prospect Street W: Magazine Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



**Cars**

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	5	44	0	0	49	5	97	0	0	102	16	64	0	0	80	27	110	0	0	137	368
4:45 PM	9	38	0	0	47	2	93	0	0	95	14	61	2	0	77	30	112	0	0	142	361
<b>Total</b>	<b>14</b>	<b>82</b>	<b>0</b>	<b>0</b>	<b>96</b>	<b>7</b>	<b>190</b>	<b>0</b>	<b>0</b>	<b>197</b>	<b>30</b>	<b>125</b>	<b>2</b>	<b>0</b>	<b>157</b>	<b>57</b>	<b>222</b>	<b>0</b>	<b>0</b>	<b>279</b>	<b>729</b>
5:00 PM	6	44	2	0	52	4	97	0	0	101	23	58	0	0	81	29	102	0	0	131	365
5:15 PM	3	49	1	0	53	1	97	0	0	98	12	67	2	0	81	16	114	0	0	130	362
5:30 PM	2	40	0	0	42	2	97	0	0	99	17	61	1	0	79	17	99	0	0	116	336
5:45 PM	4	51	1	0	56	3	95	0	0	98	16	70	0	0	86	23	118	0	0	141	381
<b>Total</b>	<b>15</b>	<b>184</b>	<b>4</b>	<b>0</b>	<b>203</b>	<b>10</b>	<b>386</b>	<b>0</b>	<b>0</b>	<b>396</b>	<b>68</b>	<b>256</b>	<b>3</b>	<b>0</b>	<b>327</b>	<b>85</b>	<b>433</b>	<b>0</b>	<b>0</b>	<b>518</b>	<b>1444</b>
6:00 PM	8	43	0	0	51	7	96	0	0	103	13	45	1	1	60	12	103	1	0	116	330
6:15 PM	6	46	0	0	52	5	97	0	0	102	16	59	0	0	75	22	108	0	0	130	359
6:30 PM	7	67	0	0	74	9	93	1	0	103	13	63	2	0	78	26	110	0	0	136	391
6:45 PM	13	50	0	0	63	4	98	0	0	102	21	53	1	0	75	25	106	0	0	131	371
<b>Total</b>	<b>34</b>	<b>206</b>	<b>0</b>	<b>0</b>	<b>240</b>	<b>25</b>	<b>384</b>	<b>1</b>	<b>0</b>	<b>410</b>	<b>63</b>	<b>220</b>	<b>4</b>	<b>1</b>	<b>288</b>	<b>85</b>	<b>427</b>	<b>1</b>	<b>0</b>	<b>513</b>	<b>1451</b>
7:00 PM	9	51	3	0	63	5	92	0	0	97	15	47	1	0	63	22	95	2	0	119	342
7:15 PM	7	44	1	0	52	8	94	0	0	102	12	57	0	0	69	28	100	0	0	128	351
<b>Total</b>	<b>16</b>	<b>95</b>	<b>4</b>	<b>0</b>	<b>115</b>	<b>13</b>	<b>186</b>	<b>0</b>	<b>0</b>	<b>199</b>	<b>27</b>	<b>104</b>	<b>1</b>	<b>0</b>	<b>132</b>	<b>50</b>	<b>195</b>	<b>2</b>	<b>0</b>	<b>247</b>	<b>693</b>
<b>Grand Total</b>	<b>79</b>	<b>567</b>	<b>8</b>	<b>0</b>	<b>654</b>	<b>55</b>	<b>1146</b>	<b>1</b>	<b>0</b>	<b>1202</b>	<b>188</b>	<b>705</b>	<b>10</b>	<b>1</b>	<b>904</b>	<b>277</b>	<b>1277</b>	<b>3</b>	<b>0</b>	<b>1557</b>	<b>4317</b>
Approach %	12.1	86.7	1.2	0.0		4.6	95.3	0.1	0.0		20.8	78.0	1.1	0.1		17.8	82.0	0.2	0.0		
Total %	1.8	13.1	0.2	0.0	15.1	1.3	26.5	0.0	0.0	27.8	4.4	16.3	0.2	0.0	20.9	6.4	29.6	0.1	0.0	36.1	
Exiting Leg Total	763					1473					846					1235					4317

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:15 PM	6	46	0	0	52	5	97	0	0	102	16	59	0	0	75	22	108	0	0	130	359
6:30 PM	7	67	0	0	74	9	93	1	0	103	13	63	2	0	78	26	110	0	0	136	391
6:45 PM	13	50	0	0	63	4	98	0	0	102	21	53	1	0	75	25	106	0	0	131	371
7:00 PM	9	51	3	0	63	5	92	0	0	97	15	47	1	0	63	22	95	2	0	119	342
<b>Total Volume</b>	<b>35</b>	<b>214</b>	<b>3</b>	<b>0</b>	<b>252</b>	<b>23</b>	<b>380</b>	<b>1</b>	<b>0</b>	<b>404</b>	<b>65</b>	<b>222</b>	<b>4</b>	<b>0</b>	<b>291</b>	<b>95</b>	<b>419</b>	<b>2</b>	<b>0</b>	<b>516</b>	<b>1463</b>
<b>% Approach Total</b>	<b>13.9</b>	<b>84.9</b>	<b>1.2</b>	<b>0.0</b>		<b>5.7</b>	<b>94.1</b>	<b>0.2</b>	<b>0.0</b>		<b>22.3</b>	<b>76.3</b>	<b>1.4</b>	<b>0.0</b>		<b>18.4</b>	<b>81.2</b>	<b>0.4</b>	<b>0.0</b>		
PHF	0.673	0.799	0.250	0.000	0.851	0.639	0.969	0.250	0.000	0.981	0.774	0.881	0.500	0.000	0.933	0.913	0.952	0.250	0.000	0.949	0.935
Entering Leg	35	214	3	0	252	23	380	1	0	404	65	222	4	0	291	95	419	2	0	516	1463
Exiting Leg	247					487					310					419					1463
<b>Total</b>	<b>499</b>					<b>891</b>					<b>601</b>					<b>935</b>					<b>2926</b>

PDI File #: **196890 DD**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Prospect Street W: Magazine Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class: **Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**



	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	2	0	0	2	0	3	0	0	3	0	9	0	0	9	5	6	0	0	11	25
4:45 PM	0	10	0	0	10	0	5	0	0	5	0	8	0	0	8	5	3	0	0	8	31
<b>Total</b>	0	12	0	0	12	0	8	0	0	8	0	17	0	0	17	10	9	0	0	19	56
5:00 PM	0	8	0	0	8	1	3	0	0	4	1	4	0	0	5	4	3	0	0	7	24
5:15 PM	0	5	0	0	5	0	4	0	0	4	0	6	1	0	7	4	2	0	0	6	22
5:30 PM	0	7	0	0	7	0	1	0	0	1	0	6	0	0	6	4	5	0	0	9	23
5:45 PM	0	5	0	0	5	1	3	0	0	4	0	4	0	0	4	4	4	0	0	8	21
<b>Total</b>	0	25	0	0	25	2	11	0	0	13	1	20	1	0	22	16	14	0	0	30	90
6:00 PM	0	5	0	0	5	0	1	0	0	1	1	3	0	0	4	9	3	0	0	12	22
6:15 PM	0	3	0	0	3	0	3	0	0	3	1	2	0	0	3	4	3	0	0	7	16
6:30 PM	0	4	0	0	4	0	2	0	0	2	0	5	0	0	5	5	4	0	0	9	20
6:45 PM	0	5	0	0	5	0	3	0	0	3	0	4	0	0	4	8	2	0	0	10	22
<b>Total</b>	0	17	0	0	17	0	9	0	0	9	2	14	0	0	16	26	12	0	0	38	80
7:00 PM	0	5	0	0	5	0	3	0	0	3	0	8	0	0	8	5	3	0	0	8	24
7:15 PM	0	6	0	0	6	0	2	0	0	2	1	3	0	0	4	5	4	0	0	9	21
<b>Total</b>	0	11	0	0	11	0	5	0	0	5	1	11	0	0	12	10	7	0	0	17	45
<b>Grand Total</b>	0	65	0	0	65	2	33	0	0	35	4	62	1	0	67	62	42	0	0	104	271
<b>Approach %</b>	0.0	100.0	0.0	0.0		5.7	94.3	0.0	0.0		6.0	92.5	1.5	0.0		59.6	40.4	0.0	0.0		
<b>Total %</b>	0.0	24.0	0.0	0.0	24.0	0.7	12.2	0.0	0.0	12.9	1.5	22.9	0.4	0.0	24.7	22.9	15.5	0.0	0.0	38.4	
<b>Exiting Leg Total</b>	64					46					127					34					271
Buses	0	49	0	0	49	0	24	0	0	24	0	49	0	0	49	55	31	0	0	86	208
% Buses	0.0	75.4	0.0	0.0	75.4	0.0	72.7	0.0	0.0	68.6	0.0	79.0	0.0	0.0	73.1	88.7	73.8	0.0	0.0	82.7	76.8
<b>Exiting Leg Total</b>	49					31					104					24					208
Single-Unit Trucks	0	15	0	0	15	2	9	0	0	11	4	10	0	0	14	5	11	0	0	16	56
% Single-Unit	0.0	23.1	0.0	0.0	23.1	100.0	27.3	0.0	0.0	31.4	100.0	16.1	0.0	0.0	20.9	8.1	26.2	0.0	0.0	15.4	20.7
<b>Exiting Leg Total</b>	12					15					20					9					56
Articulated Trucks	0	1	0	0	1	0	0	0	0	0	0	3	1	0	4	2	0	0	0	2	7
% Articulated	0.0	1.5	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	4.8	100.0	0.0	6.0	3.2	0.0	0.0	0.0	1.9	2.6
<b>Exiting Leg Total</b>	3					0					3					1					7

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	2	0	0	2	0	3	0	0	3	0	9	0	0	9	5	6	0	0	11	25
4:45 PM	0	10	0	0	10	0	5	0	0	5	0	8	0	0	8	5	3	0	0	8	31
5:00 PM	0	8	0	0	8	1	3	0	0	4	1	4	0	0	5	4	3	0	0	7	24
5:15 PM	0	5	0	0	5	0	4	0	0	4	0	6	1	0	7	4	2	0	0	6	22
<b>Total Volume</b>	0	25	0	0	25	1	15	0	0	16	1	27	1	0	29	18	14	0	0	32	102
<b>% Approach Total</b>	0.0	100.0	0.0	0.0		6.3	93.8	0.0	0.0		3.4	93.1	3.4	0.0		56.3	43.8	0.0	0.0		
<b>PHF</b>	0.000	0.625	0.000	0.000	0.625	0.250	0.750	0.000	0.000	0.800	0.250	0.750	0.250	0.000	0.806	0.900	0.583	0.000	0.000	0.727	0.823
Buses	0	15	0	0	15	0	9	0	0	9	0	18	0	0	18	16	11	0	0	27	69
Buses %	0.0	60.0	0.0	0.0	60.0	0.0	60.0	0.0	0.0	56.3	0.0	66.7	0.0	0.0	62.1	88.9	78.6	0.0	0.0	84.4	67.6
Single-Unit Trucks	0	10	0	0	10	1	6	0	0	7	1	6	0	0	7	2	3	0	0	5	29
Single-Unit %	0.0	40.0	0.0	0.0	40.0	100.0	40.0	0.0	0.0	43.8	100.0	22.2	0.0	0.0	24.1	11.1	21.4	0.0	0.0	15.6	28.4
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	4
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	100.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	3.9
Buses	0	15	0	0	15	0	9	0	0	9	0	18	0	0	18	16	11	0	0	27	69
Single-Unit Trucks	0	10	0	0	10	1	6	0	0	7	1	6	0	0	7	2	3	0	0	5	29
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	4
<b>Total Entering Leg</b>	0	25	0	0	25	1	15	0	0	16	1	27	1	0	29	18	14	0	0	32	102
Buses	18					11					31					9					69
Single-Unit Trucks	7					4					12					6					29
Articulated Trucks	3					0					0					1					4
<b>Total Exiting Leg</b>	28					15					43					16					102



PDI File #: **196890 DD**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Prospect Street W: Magazine Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Buses**

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	4	3	0	0	7	12
4:45 PM	0	7	0	0	7	0	5	0	0	5	0	6	0	0	6	5	3	0	0	8	26
<b>Total</b>	0	7	0	0	7	0	5	0	0	5	0	11	0	0	11	9	6	0	0	15	38
5:00 PM	0	5	0	0	5	0	2	0	0	2	0	4	0	0	4	3	3	0	0	6	17
5:15 PM	0	3	0	0	3	0	2	0	0	2	0	3	0	0	3	4	2	0	0	6	14
5:30 PM	0	6	0	0	6	0	1	0	0	1	0	5	0	0	5	4	3	0	0	7	19
5:45 PM	0	3	0	0	3	0	3	0	0	3	0	3	0	0	3	4	3	0	0	7	16
<b>Total</b>	0	17	0	0	17	0	8	0	0	8	0	15	0	0	15	15	11	0	0	26	66
6:00 PM	0	4	0	0	4	0	1	0	0	1	0	3	0	0	3	8	3	0	0	11	19
6:15 PM	0	3	0	0	3	0	2	0	0	2	0	2	0	0	2	3	3	0	0	6	13
6:30 PM	0	4	0	0	4	0	1	0	0	1	0	4	0	0	4	5	2	0	0	7	16
6:45 PM	0	4	0	0	4	0	3	0	0	3	0	4	0	0	4	6	2	0	0	8	19
<b>Total</b>	0	15	0	0	15	0	7	0	0	7	0	13	0	0	13	22	10	0	0	32	67
7:00 PM	0	5	0	0	5	0	2	0	0	2	0	8	0	0	8	4	2	0	0	6	21
7:15 PM	0	5	0	0	5	0	2	0	0	2	0	2	0	0	2	5	2	0	0	7	16
<b>Total</b>	0	10	0	0	10	0	4	0	0	4	0	10	0	0	10	9	4	0	0	13	37
<b>Grand Total</b>	0	49	0	0	49	0	24	0	0	24	0	49	0	0	49	55	31	0	0	86	208
Approach %	0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0		64.0	36.0	0.0	0.0		
Total %	0.0	23.6	0.0	0.0	23.6	0.0	11.5	0.0	0.0	11.5	0.0	23.6	0.0	0.0	23.6	26.4	14.9	0.0	0.0	41.3	
Exiting Leg Total	49					31					104					24					208

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:45 PM	0	7	0	0	7	0	5	0	0	5	0	6	0	0	6	5	3	0	0	8	26
5:00 PM	0	5	0	0	5	0	2	0	0	2	0	4	0	0	4	3	3	0	0	6	17
5:15 PM	0	3	0	0	3	0	2	0	0	2	0	3	0	0	3	4	2	0	0	6	14
5:30 PM	0	6	0	0	6	0	1	0	0	1	0	5	0	0	5	4	3	0	0	7	19
Total Volume	0	21	0	0	21	0	10	0	0	10	0	18	0	0	18	16	11	0	0	27	76
% Approach Total	0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	100.0	0.0	0.0		59.3	40.7	0.0	0.0		
PHF	0.000	0.750	0.000	0.000	0.750	0.000	0.500	0.000	0.000	0.500	0.000	0.750	0.000	0.000	0.750	0.800	0.917	0.000	0.000	0.844	0.731
Entering Leg	0	21	0	0	21	0	10	0	0	10	0	18	0	0	18	16	11	0	0	27	76
Exiting Leg	18					11					37					10					76
<b>Total</b>	39					21					55					37					152

PDI File #: **196890 DD**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Prospect Street W: Magazine Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



**Single-Unit Trucks**

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	2	0	0	2	0	3	0	0	3	0	2	0	0	2	1	3	0	0	4	11
4:45 PM	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	4
<b>Total</b>	0	5	0	0	5	0	3	0	0	3	0	3	0	0	3	1	3	0	0	4	15
5:00 PM	0	3	0	0	3	1	1	0	0	2	1	0	0	0	1	1	0	0	0	1	7
5:15 PM	0	2	0	0	2	0	2	0	0	2	0	3	0	0	3	0	0	0	0	0	7
5:30 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	2	0	0	2	4
5:45 PM	0	2	0	0	2	1	0	0	0	1	0	1	0	0	1	0	1	0	0	1	5
<b>Total</b>	0	8	0	0	8	2	3	0	0	5	1	5	0	0	6	1	3	0	0	4	23
6:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	2
6:15 PM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	0	0	0	0	2
6:30 PM	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	2	0	0	2	4
6:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	3
<b>Total</b>	0	1	0	0	1	0	2	0	0	2	2	1	0	0	3	3	2	0	0	5	11
7:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
7:15 PM	0	1	0	0	1	0	0	0	0	0	1	1	0	0	2	0	2	0	0	2	5
<b>Total</b>	0	1	0	0	1	0	1	0	0	1	1	1	0	0	2	0	3	0	0	3	7
<b>Grand Total</b>	0	15	0	0	15	2	9	0	0	11	4	10	0	0	14	5	11	0	0	16	56
Approach %	0.0	100.0	0.0	0.0		18.2	81.8	0.0	0.0		28.6	71.4	0.0	0.0		31.3	68.8	0.0	0.0		
Total %	0.0	26.8	0.0	0.0	26.8	3.6	16.1	0.0	0.0	19.6	7.1	17.9	0.0	0.0	25.0	8.9	19.6	0.0	0.0	28.6	
Exiting Leg Total	12					15					20					9					56

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	2	0	0	2	0	3	0	0	3	0	2	0	0	2	1	3	0	0	4	11
4:45 PM	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	4
5:00 PM	0	3	0	0	3	1	1	0	0	2	1	0	0	0	1	1	0	0	0	1	7
5:15 PM	0	2	0	0	2	0	2	0	0	2	0	3	0	0	3	0	0	0	0	0	7
<b>Total Volume</b>	0	10	0	0	10	1	6	0	0	7	1	6	0	0	7	2	3	0	0	5	29
% Approach Total	0.0	100.0	0.0	0.0		14.3	85.7	0.0	0.0		14.3	85.7	0.0	0.0		40.0	60.0	0.0	0.0		
PHF	0.000	0.833	0.000	0.000	0.833	0.250	0.500	0.000	0.000	0.583	0.250	0.500	0.000	0.000	0.583	0.500	0.250	0.000	0.000	0.313	0.659
Entering Leg	0	10	0	0	10	1	6	0	0	7	1	6	0	0	7	2	3	0	0	5	29
Exiting Leg	7					4					12					6					29
<b>Total</b>	17					11					19					11					58

PDI File #: **196890 DD**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Prospect Street W: Magazine Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Articulated Trucks**

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	3
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
6:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Grand Total	0	1	0	0	1	0	0	0	0	0	0	3	1	0	4	2	0	0	0	2	7
Approach %	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	75.0	25.0	0.0		100.0	0.0	0.0	0.0		
Total %	0.0	14.3	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	42.9	14.3	0.0	57.1	28.6	0.0	0.0	0.0	28.6	
Exiting Leg Total	3					0					3					1					7

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave					Prospect Street					Mass Ave					Magazine Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	4
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	75.0	25.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.250	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	4
Exiting Leg	3					0					0					1					4
Total	3					0					4					1					8

PDI File #: 196890 DD  
 Location: N: Mass Ave S: Mass Ave  
 Location: E: Prospect Street W: Magazine Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Bicycles (on Roadway and Crosswalks)**

	Mass Ave								Prospect Street								Mass Ave								Magazine Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	11	0	0	0	0	11	0	0	0	0	0	0	0	0	2	18	0	0	0	0	0	20	0	3	0	0	0	0	3	34		
4:45 PM	0	14	0	0	1	1	16	1	5	0	0	1	0	7	0	34	0	0	0	0	0	0	34	2	0	0	0	0	0	2	59		
Total	0	25	0	0	1	1	27	1	5	0	0	1	0	7	2	52	0	0	0	0	0	54	2	3	0	0	0	0	5	93			
5:00 PM	0	17	0	0	2	0	19	0	7	0	0	1	0	8	9	43	0	0	0	0	0	52	1	6	0	0	0	0	7	86			
5:15 PM	0	22	0	0	1	1	24	0	11	0	0	0	0	11	5	52	1	0	0	0	0	58	2	4	0	0	1	1	8	101			
5:30 PM	0	18	1	0	1	5	25	2	8	1	0	0	0	11	1	62	1	0	0	0	1	65	3	7	0	0	1	0	11	112			
5:45 PM	0	20	0	0	0	1	21	0	12	0	0	0	0	12	2	51	0	0	1	0	1	54	0	6	0	0	1	2	9	96			
Total	0	77	1	0	4	7	89	2	38	1	0	1	0	42	17	208	2	0	1	1	229	6	23	0	0	3	3	35	395				
6:00 PM	2	22	1	0	0	0	25	2	3	0	0	0	0	5	1	34	0	0	0	0	2	37	1	0	0	0	2	1	4	71			
6:15 PM	1	19	0	0	0	2	22	1	6	1	0	1	0	9	6	58	2	0	1	2	69	2	4	0	0	1	1	8	108				
6:30 PM	0	18	0	0	0	1	19	1	3	0	0	0	0	4	0	34	1	0	0	0	0	35	3	3	0	0	0	1	7	65			
6:45 PM	0	14	0	0	0	1	15	0	5	0	0	0	1	6	7	37	0	0	0	0	0	44	2	4	1	0	1	0	8	73			
Total	3	73	1	0	0	4	81	4	17	1	0	1	1	24	14	163	3	0	1	4	185	8	11	1	0	4	3	27	317				
7:00 PM	0	25	1	0	2	1	29	1	5	1	0	1	0	8	4	26	2	0	1	0	0	33	0	4	0	0	0	1	5	75			
7:15 PM	0	19	0	0	0	0	19	1	2	0	0	1	0	4	3	25	1	0	0	0	0	29	3	6	0	0	1	1	11	63			
Total	0	44	1	0	2	1	48	2	7	1	0	2	0	12	7	51	3	0	1	0	0	62	3	10	0	0	1	2	16	138			
Grand Total	3	219	3	0	7	13	245	9	67	3	0	5	1	85	40	474	8	0	3	5	530	19	47	1	0	8	8	83	943				
Approach %	1.2	89.4	1.2	0.0	2.9	5.3		10.6	78.8	3.5	0.0	5.9	1.2		7.5	89.4	1.5	0.0	0.6	0.9		22.9	56.6	1.2	0.0	9.6	9.6						
Total %	0.3	23.2	0.3	0.0	0.7	1.4	26.0	1.0	7.1	0.3	0.0	0.5	0.1	9.0	4.2	50.3	0.8	0.0	0.3	0.5	56.2	2.0	5.0	0.1	0.0	0.8	0.8	8.8					
Exiting Leg Total	504							96							249							94							943				

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave								Prospect Street								Mass Ave								Magazine Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:00 PM	0	17	0	0	2	0	19	0	7	0	0	1	0	8	9	43	0	0	0	0	0	52	1	6	0	0	0	0	7	86			
5:15 PM	0	22	0	0	1	1	24	0	11	0	0	0	0	11	5	52	1	0	0	0	0	58	2	4	0	0	1	1	8	101			
5:30 PM	0	18	1	0	1	5	25	2	8	1	0	0	0	11	1	62	1	0	0	0	1	65	3	7	0	0	1	0	11	112			
5:45 PM	0	20	0	0	0	1	21	0	12	0	0	0	0	12	2	51	0	0	1	0	0	54	0	6	0	0	1	2	9	96			
Total Volume	0	77	1	0	4	7	89	2	38	1	0	1	0	42	17	208	2	0	1	1	229	6	23	0	0	3	3	35	395				
% Approach Total	0.0	86.5	1.1	0.0	4.5	7.9		4.8	90.5	2.4	0.0	2.4	0.0		7.4	90.8	0.9	0.0	0.4	0.4		17.1	65.7	0.0	0.0	8.6	8.6						
PHF	0.000	0.875	0.250	0.000	0.500	0.350	0.890	0.250	0.792	0.250	0.000	0.250	0.000	0.875	0.472	0.839	0.500	0.000	0.250	0.250	0.881	0.500	0.821	0.000	0.000	0.750	0.375	0.795	0.882				
Entering Leg	0	77	1	0	4	7	89	2	38	1	0	1	0	42	17	208	2	0	1	1	229	6	23	0	0	3	3	35	395				
Exiting Leg	221							42							86							46							395				
Total	310							84							315							81							790				

PDI File #: 196890 DD  
 Location: N: Mass Ave S: Mass Ave  
 Location: E: Prospect Street W: Magazine Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Pedestrians**

	Mass Ave							Prospect Street							Mass Ave							Magazine Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	0	0	0	31	72	103	0	0	0	0	98	102	200	0	0	0	0	50	23	73	0	0	0	0	79	64	143	519
4:45 PM	0	0	0	0	20	53	73	0	0	0	0	65	103	168	0	0	0	0	37	36	73	0	0	0	0	63	59	122	436
Total	0	0	0	0	51	125	176	0	0	0	0	163	205	368	0	0	0	0	87	59	146	0	0	0	0	142	123	265	955
5:00 PM	0	0	0	0	19	59	78	0	0	0	0	105	92	197	0	0	0	0	53	18	71	0	0	0	0	68	71	139	485
5:15 PM	0	0	0	0	27	78	105	0	0	0	0	98	146	244	0	0	0	0	57	30	87	0	0	0	0	74	82	156	592
5:30 PM	0	0	0	0	22	68	90	0	0	0	0	156	128	284	0	0	0	0	73	17	90	0	0	0	0	114	63	177	641
5:45 PM	0	0	0	0	37	50	87	0	0	0	0	139	139	278	0	0	0	0	56	41	97	0	0	0	0	112	82	194	656
Total	0	0	0	0	105	255	360	0	0	0	0	498	505	1003	0	0	0	0	239	106	345	0	0	0	0	368	298	666	2374
6:00 PM	0	0	0	0	16	76	92	0	0	0	0	140	150	290	0	0	0	0	61	23	84	0	0	0	0	79	88	167	633
6:15 PM	0	0	0	0	29	52	81	0	0	0	0	101	123	224	0	0	0	0	43	21	64	0	0	0	0	106	94	200	569
6:30 PM	0	0	0	0	34	54	88	0	0	0	0	81	163	244	0	0	0	0	37	29	66	0	0	0	0	112	77	189	587
6:45 PM	0	0	0	0	19	52	71	0	0	0	0	66	141	207	0	0	0	0	39	25	64	0	0	0	0	79	70	149	491
Total	0	0	0	0	98	234	332	0	0	0	0	388	577	965	0	0	0	0	180	98	278	0	0	0	0	376	329	705	2280
7:00 PM	0	0	0	0	22	43	65	0	0	0	0	84	131	215	0	0	0	0	34	20	54	0	0	0	0	86	75	161	495
7:15 PM	0	0	0	0	12	46	58	0	0	0	0	86	129	215	0	0	0	0	38	30	68	0	0	0	0	72	70	142	483
Total	0	0	0	0	34	89	123	0	0	0	0	170	260	430	0	0	0	0	72	50	122	0	0	0	0	158	145	303	978
Grand Total	0	0	0	0	288	703	991	0	0	0	0	1219	1547	2766	0	0	0	0	578	313	891	0	0	0	0	1044	895	1939	6587
Approach %	0	0	0	0	29.1	70.9		0	0	0	0	44.1	55.9		0	0	0	0	64.9	35.1		0	0	0	0	53.8	46.2		
Total %	0	0	0	0	4.37	10.7	15	0	0	0	0	18.5	23.5	42	0	0	0	0	8.77	4.75	13.5	0	0	0	0	15.8	13.6	29.4	
Exiting Leg Total	991							2766							891							1939							6587

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave							Prospect Street							Mass Ave							Magazine Street							Total	
	from North							from East							from South							from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:15 PM	0	0	0	0	27	78	105	0	0	0	0	98	146	244	0	0	0	0	57	30	87	0	0	0	0	74	82	156	592	
5:30 PM	0	0	0	0	22	68	90	0	0	0	0	156	128	284	0	0	0	0	73	17	90	0	0	0	0	114	63	177	641	
5:45 PM	0	0	0	0	37	50	87	0	0	0	0	139	139	278	0	0	0	0	56	41	97	0	0	0	0	112	82	194	656	
6:00 PM	0	0	0	0	16	76	92	0	0	0	0	140	150	290	0	0	0	0	61	23	84	0	0	0	0	79	88	167	633	
Total Volume	0	0	0	0	102	272	374	0	0	0	0	533	563	1096	0	0	0	0	247	111	358	0	0	0	0	379	315	694	2522	
% Approach Total	0.0	0.0	0.0	0.0	27.3	72.7		0.0	0.0	0.0	0.0	48.6	51.4		0.0	0.0	0.0	0.0	69.0	31.0		0.0	0.0	0.0	0.0	54.6	45.4			
PHF	0.000	0.000	0.000	0.000	0.689	0.872	0.890	0.000	0.000	0.000	0.000	0.854	0.938	0.945	0.000	0.000	0.000	0.000	0.846	0.677	0.923	0.000	0.000	0.000	0.000	0.831	0.895	0.894	0.961	
Entering Leg	0	0	0	0	102	272	374	0	0	0	0	533	563	1096	0	0	0	0	247	111	358	0	0	0	0	379	315	694	2522	
Exiting Leg																													694	2522
Total	748							2192							716							1388							5044	

PDI File #: **196890 E**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Sidney Street W: Sidney Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars and Heavy Vehicles (Combined)**

	Mass Ave					Sidney Street					Mass Ave					Sidney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	8	31	24	0	63	6	40	6	0	52	1	35	9	0	45	9	0	0	0	9	169
7:15 AM	18	37	17	0	72	10	44	5	0	59	5	38	10	0	53	6	0	0	0	6	190
7:30 AM	22	40	20	0	82	4	47	8	0	59	2	38	13	0	53	19	0	0	0	19	213
7:45 AM	14	53	31	0	98	16	37	11	0	64	2	28	10	0	40	17	0	0	0	17	219
<b>Total</b>	<b>62</b>	<b>161</b>	<b>92</b>	<b>0</b>	<b>315</b>	<b>36</b>	<b>168</b>	<b>30</b>	<b>0</b>	<b>234</b>	<b>10</b>	<b>139</b>	<b>42</b>	<b>0</b>	<b>191</b>	<b>51</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>791</b>
8:00 AM	18	51	34	0	103	16	53	9	0	78	4	33	21	1	59	16	0	0	0	16	256
8:15 AM	17	49	32	0	98	11	40	10	0	61	4	35	24	0	63	15	0	0	0	15	237
8:30 AM	26	42	32	0	100	17	40	15	0	72	3	25	23	0	51	25	0	0	0	25	248
8:45 AM	21	35	33	0	89	16	53	12	0	81	11	36	18	0	65	22	0	0	0	22	257
<b>Total</b>	<b>82</b>	<b>177</b>	<b>131</b>	<b>0</b>	<b>390</b>	<b>60</b>	<b>186</b>	<b>46</b>	<b>0</b>	<b>292</b>	<b>22</b>	<b>129</b>	<b>86</b>	<b>1</b>	<b>238</b>	<b>78</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>	<b>998</b>
9:00 AM	19	53	36	0	108	17	44	6	0	67	4	30	18	0	52	31	0	0	0	31	258
9:15 AM	24	52	27	0	103	12	33	3	0	48	6	24	22	0	52	13	0	0	0	13	216
9:30 AM	13	50	37	0	100	16	34	7	0	57	3	41	21	1	66	16	1	0	0	17	240
9:45 AM	16	43	26	0	85	17	18	5	0	40	4	27	12	0	43	9	0	0	0	9	177
<b>Total</b>	<b>72</b>	<b>198</b>	<b>126</b>	<b>0</b>	<b>396</b>	<b>62</b>	<b>129</b>	<b>21</b>	<b>0</b>	<b>212</b>	<b>17</b>	<b>122</b>	<b>73</b>	<b>1</b>	<b>213</b>	<b>69</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>70</b>	<b>891</b>
Grand Total	216	536	349	0	1101	158	483	97	0	738	49	390	201	2	642	198	1	0	0	199	2680
Approach %	19.6	48.7	31.7	0.0		21.4	65.4	13.1	0.0		7.6	60.7	31.3	0.3		99.5	0.5	0.0	0.0		
Total %	8.1	20.0	13.0	0.0	41.1	5.9	18.0	3.6	0.0	27.5	1.8	14.6	7.5	0.1	24.0	7.4	0.0	0.0	0.0	7.4	
Exiting Leg Total	548					399					833					900					2680
Cars	203	403	290	0	896	127	450	85	0	662	42	306	184	2	534	186	1	0	0	187	2279
% Cars	94.0	75.2	83.1	0.0	81.4	80.4	93.2	87.6	0.0	89.7	85.7	78.5	91.5	100.0	83.2	93.9	100.0	0.0	0.0	94.0	85.0
Exiting Leg Total	433					333					676					837					2279
Heavy Vehicles	13	133	59	0	205	31	33	12	0	76	7	84	17	0	108	12	0	0	0	12	401
% Heavy Vehicles	6.0	24.8	16.9	0.0	18.6	19.6	6.8	12.4	0.0	10.3	14.3	21.5	8.5	0.0	16.8	6.1	0.0	0.0	0.0	6.0	15.0
Exiting Leg Total	115					66					157					63					401

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

8:15 AM	Mass Ave					Sidney Street					Mass Ave					Sidney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:15 AM	17	49	32	0	98	11	40	10	0	61	4	35	24	0	63	15	0	0	0	15	237
8:30 AM	26	42	32	0	100	17	40	15	0	72	3	25	23	0	51	25	0	0	0	25	248
8:45 AM	21	35	33	0	89	16	53	12	0	81	11	36	18	0	65	22	0	0	0	22	257
9:00 AM	19	53	36	0	108	17	44	6	0	67	4	30	18	0	52	31	0	0	0	31	258
Total Volume	83	179	133	0	395	61	177	43	0	281	22	126	83	0	231	93	0	0	0	93	1000
% Approach Total	21.0	45.3	33.7	0.0		21.7	63.0	15.3	0.0		9.5	54.5	35.9	0.0		100.0	0.0	0.0	0.0		
PHF	0.798	0.844	0.924	0.000	0.914	0.897	0.835	0.717	0.000	0.867	0.500	0.875	0.865	0.000	0.888	0.750	0.000	0.000	0.000	0.750	0.969
Cars	82	129	118	0	329	54	164	40	0	258	19	97	80	0	196	89	0	0	0	89	872
Cars %	98.8	72.1	88.7	0.0	83.3	88.5	92.7	93.0	0.0	91.8	86.4	77.0	96.4	0.0	84.8	95.7	0.0	0.0	0.0	95.7	87.2
Heavy Vehicles	1	50	15	0	66	7	13	3	0	23	3	29	3	0	35	4	0	0	0	4	128
Heavy Vehicles %	1.2	27.9	11.3	0.0	16.7	11.5	7.3	7.0	0.0	8.2	13.6	23.0	3.6	0.0	15.2	4.3	0.0	0.0	0.0	4.3	12.8
Cars Enter Leg	82	129	118	0	329	54	164	40	0	258	19	97	80	0	196	89	0	0	0	89	872
Heavy Enter Leg	1	50	15	0	66	7	13	3	0	23	3	29	3	0	35	4	0	0	0	4	128
Total Entering Leg	83	179	133	0	395	61	177	43	0	281	22	126	83	0	231	93	0	0	0	93	1000
Cars Exiting Leg	151					137					258					326					872
Heavy Exiting Leg	36					18					57					17					128
Total Exiting Leg	187					155					315					343					1000

PDI File #: **196890 E**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Sidney Street W: Sidney Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Cars**

	Mass Ave					Sidney Street					Mass Ave					Sidney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	8	26	24	0	58	4	37	6	0	47	0	30	7	0	37	8	0	0	0	8	150
7:15 AM	18	30	10	0	58	5	40	5	0	50	4	27	10	0	41	5	0	0	0	5	154
7:30 AM	18	30	15	0	63	3	44	6	0	53	2	35	9	0	46	18	0	0	0	18	180
7:45 AM	14	37	26	0	77	14	35	10	0	59	2	21	10	0	33	17	0	0	0	17	186
<b>Total</b>	<b>58</b>	<b>123</b>	<b>75</b>	<b>0</b>	<b>256</b>	<b>26</b>	<b>156</b>	<b>27</b>	<b>0</b>	<b>209</b>	<b>8</b>	<b>113</b>	<b>36</b>	<b>0</b>	<b>157</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>670</b>
8:00 AM	18	40	28	0	86	11	51	8	0	70	4	25	21	1	51	16	0	0	0	16	223
8:15 AM	17	34	29	0	80	10	39	9	0	58	3	27	23	0	53	14	0	0	0	14	205
8:30 AM	25	33	27	0	85	14	34	15	0	63	2	15	23	0	40	25	0	0	0	25	213
8:45 AM	21	25	28	0	74	15	50	11	0	76	10	29	17	0	56	21	0	0	0	21	227
<b>Total</b>	<b>81</b>	<b>132</b>	<b>112</b>	<b>0</b>	<b>325</b>	<b>50</b>	<b>174</b>	<b>43</b>	<b>0</b>	<b>267</b>	<b>19</b>	<b>96</b>	<b>84</b>	<b>1</b>	<b>200</b>	<b>76</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76</b>	<b>868</b>
9:00 AM	19	37	34	0	90	15	41	5	0	61	4	26	17	0	47	29	0	0	0	29	227
9:15 AM	19	43	23	0	85	11	28	2	0	41	5	20	20	0	45	13	0	0	0	13	184
9:30 AM	10	35	26	0	71	12	34	6	0	52	2	31	15	1	49	13	1	0	0	14	186
9:45 AM	16	33	20	0	69	13	17	2	0	32	4	20	12	0	36	7	0	0	0	7	144
<b>Total</b>	<b>64</b>	<b>148</b>	<b>103</b>	<b>0</b>	<b>315</b>	<b>51</b>	<b>120</b>	<b>15</b>	<b>0</b>	<b>186</b>	<b>15</b>	<b>97</b>	<b>64</b>	<b>1</b>	<b>177</b>	<b>62</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>741</b>
Grand Total	203	403	290	0	896	127	450	85	0	662	42	306	184	2	534	186	1	0	0	187	2279
Approach %	22.7	45.0	32.4	0.0		19.2	68.0	12.8	0.0		7.9	57.3	34.5	0.4		99.5	0.5	0.0	0.0		
Total %	8.9	17.7	12.7	0.0	39.3	5.6	19.7	3.7	0.0	29.0	1.8	13.4	8.1	0.1	23.4	8.2	0.0	0.0	0.0	8.2	
Exiting Leg Total	433					333					676					837					2279

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Mass Ave					Sidney Street					Mass Ave					Sidney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
8:15 AM	17	34	29	0	80	10	39	9	0	58	3	27	23	0	53	14	0	0	0	14	205
8:30 AM	25	33	27	0	85	14	34	15	0	63	2	15	23	0	40	25	0	0	0	25	213
8:45 AM	21	25	28	0	74	15	50	11	0	76	10	29	17	0	56	21	0	0	0	21	227
9:00 AM	19	37	34	0	90	15	41	5	0	61	4	26	17	0	47	29	0	0	0	29	227
Total Volume	82	129	118	0	329	54	164	40	0	258	19	97	80	0	196	89	0	0	0	89	872
% Approach Total	24.9	39.2	35.9	0.0		20.9	63.6	15.5	0.0		9.7	49.5	40.8	0.0		100.0	0.0	0.0	0.0		
PHF	0.820	0.872	0.868	0.000	0.914	0.900	0.820	0.667	0.000	0.849	0.475	0.836	0.870	0.000	0.875	0.767	0.000	0.000	0.000	0.767	0.960
Entering Leg	82	129	118	0	329	54	164	40	0	258	19	97	80	0	196	89	0	0	0	89	872
Exiting Leg	151					137					258					326					872
Total	480					395					454					415					1744

PDI File #: **196890 E**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Sidney Street W: Sidney Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
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**Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**

	Mass Ave					Sidney Street					Mass Ave					Sidney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	5	0	0	5	2	3	0	0	5	1	5	2	0	8	1	0	0	0	1	19
7:15 AM	0	7	7	0	14	5	4	0	0	9	1	11	0	0	12	1	0	0	0	1	36
7:30 AM	4	10	5	0	19	1	3	2	0	6	0	3	4	0	7	1	0	0	0	1	33
7:45 AM	0	16	5	0	21	2	2	1	0	5	0	7	0	0	7	0	0	0	0	0	33
<b>Total</b>	<b>4</b>	<b>38</b>	<b>17</b>	<b>0</b>	<b>59</b>	<b>10</b>	<b>12</b>	<b>3</b>	<b>0</b>	<b>25</b>	<b>2</b>	<b>26</b>	<b>6</b>	<b>0</b>	<b>34</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>121</b>
8:00 AM	0	11	6	0	17	5	2	1	0	8	0	8	0	0	8	0	0	0	0	0	33
8:15 AM	0	15	3	0	18	1	1	1	0	3	1	8	1	0	10	1	0	0	0	1	32
8:30 AM	1	9	5	0	15	3	6	0	0	9	1	10	0	0	11	0	0	0	0	0	35
8:45 AM	0	10	5	0	15	1	3	1	0	5	1	7	1	0	9	1	0	0	0	1	30
<b>Total</b>	<b>1</b>	<b>45</b>	<b>19</b>	<b>0</b>	<b>65</b>	<b>10</b>	<b>12</b>	<b>3</b>	<b>0</b>	<b>25</b>	<b>3</b>	<b>33</b>	<b>2</b>	<b>0</b>	<b>38</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>130</b>
9:00 AM	0	16	2	0	18	2	3	1	0	6	0	4	1	0	5	2	0	0	0	2	31
9:15 AM	5	9	4	0	18	1	5	1	0	7	1	4	2	0	7	0	0	0	0	0	32
9:30 AM	3	15	11	0	29	4	0	1	0	5	1	10	6	0	17	3	0	0	0	3	54
9:45 AM	0	10	6	0	16	4	1	3	0	8	0	7	0	0	7	2	0	0	0	2	33
<b>Total</b>	<b>8</b>	<b>50</b>	<b>23</b>	<b>0</b>	<b>81</b>	<b>11</b>	<b>9</b>	<b>6</b>	<b>0</b>	<b>26</b>	<b>2</b>	<b>25</b>	<b>9</b>	<b>0</b>	<b>36</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>150</b>
Grand Total	13	133	59	0	205	31	33	12	0	76	7	84	17	0	108	12	0	0	0	12	401
Approach %	6.3	64.9	28.8	0.0		40.8	43.4	15.8	0.0		6.5	77.8	15.7	0.0		100.0	0.0	0.0	0.0		
Total %	3.2	33.2	14.7	0.0	51.1	7.7	8.2	3.0	0.0	19.0	1.7	20.9	4.2	0.0	26.9	3.0	0.0	0.0	0.0	3.0	
Exiting Leg Total	115					66					157					63					401
Buses	1	72	5	0	78	3	6	3	0	12	0	46	1	0	47	5	0	0	0	5	142
% Buses	7.7	54.1	8.5	0.0	38.0	9.7	18.2	25.0	0.0	15.8	0.0	54.8	5.9	0.0	43.5	41.7	0.0	0.0	0.0	41.7	35.4
Exiting Leg Total	49					5					80					8					142
Single-Unit Trucks	7	56	44	0	107	25	25	5	0	55	5	31	14	0	50	7	0	0	0	7	219
% Single-Unit	53.8	42.1	74.6	0.0	52.2	80.6	75.8	41.7	0.0	72.4	71.4	36.9	82.4	0.0	46.3	58.3	0.0	0.0	0.0	58.3	54.6
Exiting Leg Total	56					49					68					46					219
Articulated Trucks	5	5	10	0	20	3	2	4	0	9	2	7	2	0	11	0	0	0	0	0	40
% Articulated	38.5	3.8	16.9	0.0	9.8	9.7	6.1	33.3	0.0	11.8	28.6	8.3	11.8	0.0	10.2	0.0	0.0	0.0	0.0	0.0	10.0
Exiting Leg Total	10					12					9					9					40

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

9:00 AM	Mass Ave					Sidney Street					Mass Ave					Sidney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	16	2	0	18	2	3	1	0	6	0	4	1	0	5	2	0	0	0	2	31
9:15 AM	5	9	4	0	18	1	5	1	0	7	1	4	2	0	7	0	0	0	0	0	32
9:30 AM	3	15	11	0	29	4	0	1	0	5	1	10	6	0	17	3	0	0	0	3	54
9:45 AM	0	10	6	0	16	4	1	3	0	8	0	7	0	0	7	2	0	0	0	2	33
Total Volume	8	50	23	0	81	11	9	6	0	26	2	25	9	0	36	7	0	0	0	7	150
% Approach Total	9.9	61.7	28.4	0.0		42.3	34.6	23.1	0.0		5.6	69.4	25.0	0.0		100.0	0.0	0.0	0.0		
PHF	0.400	0.781	0.523	0.000	0.698	0.688	0.450	0.500	0.000	0.813	0.500	0.625	0.375	0.000	0.529	0.583	0.000	0.000	0.000	0.583	0.694
Buses	0	25	1	0	26	1	3	3	0	7	0	16	0	0	16	4	0	0	0	4	53
Buses %	0.0	50.0	4.3	0.0	32.1	9.1	33.3	50.0	0.0	26.9	0.0	64.0	0.0	0.0	44.4	57.1	0.0	0.0	0.0	57.1	35.3
Single-Unit Trucks	6	23	19	0	48	9	6	0	0	15	1	9	8	0	18	3	0	0	0	3	84
Single-Unit %	75.0	46.0	82.6	0.0	59.3	81.8	66.7	0.0	0.0	57.7	50.0	36.0	88.9	0.0	50.0	42.9	0.0	0.0	0.0	42.9	56.0
Articulated Trucks	2	2	3	0	7	1	0	3	0	4	1	0	1	0	2	0	0	0	0	0	13
Articulated %	25.0	4.0	13.0	0.0	8.6	9.1	0.0	50.0	0.0	15.4	50.0	0.0	11.1	0.0	5.6	0.0	0.0	0.0	0.0	0.0	8.7
Buses	0	25	1	0	26	1	3	3	0	7	0	16	0	0	16	4	0	0	0	4	53
Single-Unit Trucks	6	23	19	0	48	9	6	0	0	15	1	9	8	0	18	3	0	0	0	3	84
Articulated Trucks	2	2	3	0	7	1	0	3	0	4	1	0	1	0	2	0	0	0	0	0	13
Total Entering Leg	8	50	23	0	81	11	9	6	0	26	2	25	9	0	36	7	0	0	0	7	150
Buses	17					1					32					3					53
Single-Unit Trucks	18					20					26					20					84
Articulated Trucks	1					4					5					3					13
Total Exiting Leg	36					25					63					26					150



PDI File #: **196890 E**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Sidney Street W: Sidney Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Buses**

	Mass Ave					Sidney Street					Mass Ave					Sidney Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
7:00 AM	0	5	0	0	5	0	0	0	0	0	0	4	1	0	5	0	0	0	0	0	10	
7:15 AM	0	4	1	0	5	0	1	0	0	1	0	7	0	0	7	0	0	0	0	0	13	
7:30 AM	0	5	1	0	6	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	8	
7:45 AM	0	7	1	0	8	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	12	
<b>Total</b>	0	21	3	0	24	1	1	0	0	2	0	16	1	0	17	0	0	0	0	0	43	
8:00 AM	0	4	1	0	5	1	0	0	0	1	0	4	0	0	4	0	0	0	0	0	10	
8:15 AM	0	9	0	0	9	0	0	0	0	0	0	2	0	0	2	1	0	0	0	1	12	
8:30 AM	1	6	0	0	7	0	2	0	0	2	0	5	0	0	5	0	0	0	0	0	14	
8:45 AM	0	7	0	0	7	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	10	
<b>Total</b>	1	26	1	0	28	1	2	0	0	3	0	14	0	0	14	1	0	0	0	1	46	
9:00 AM	0	9	0	0	9	0	0	1	0	1	0	2	0	0	2	1	0	0	0	1	13	
9:15 AM	0	3	1	0	4	0	3	0	0	3	0	3	0	0	3	0	0	0	0	0	10	
9:30 AM	0	7	0	0	7	1	0	0	0	1	0	7	0	0	7	2	0	0	0	2	17	
9:45 AM	0	6	0	0	6	0	0	2	0	2	0	4	0	0	4	1	0	0	0	1	13	
<b>Total</b>	0	25	1	0	26	1	3	3	0	7	0	16	0	0	16	4	0	0	0	4	53	
<b>Grand Total</b>	1	72	5	0	78	3	6	3	0	12	0	46	1	0	47	5	0	0	0	5	142	
Approach %	1.3	92.3	6.4	0.0		25.0	50.0	25.0	0.0		0.0	97.9	2.1	0.0		100.0	0.0	0.0	0.0			
Total %	0.7	50.7	3.5	0.0	54.9	2.1	4.2	2.1	0.0	8.5	0.0	32.4	0.7	0.0	33.1	3.5	0.0	0.0	0.0	3.5		
Exiting Leg Total						49					5					80					8	142

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Mass Ave					Sidney Street					Mass Ave					Sidney Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
9:00 AM	0	9	0	0	9	0	0	1	0	1	0	2	0	0	2	1	0	0	0	1	13	
9:15 AM	0	3	1	0	4	0	3	0	0	3	0	3	0	0	3	0	0	0	0	0	10	
9:30 AM	0	7	0	0	7	1	0	0	0	1	0	7	0	0	7	2	0	0	0	2	17	
9:45 AM	0	6	0	0	6	0	0	2	0	2	0	4	0	0	4	1	0	0	0	1	13	
<b>Total Volume</b>	0	25	1	0	26	1	3	3	0	7	0	16	0	0	16	4	0	0	0	4	53	
<b>% Approach Total</b>	0.0	96.2	3.8	0.0		14.3	42.9	42.9	0.0		0.0	100.0	0.0	0.0		100.0	0.0	0.0	0.0			
PHF	0.000	0.694	0.250	0.000	0.722	0.250	0.250	0.375	0.000	0.583	0.000	0.571	0.000	0.000	0.571	0.500	0.000	0.000	0.000	0.500	0.779	
Entering Leg	0	25	1	0	26	1	3	3	0	7	0	16	0	0	16	4	0	0	0	4	53	
Exiting Leg						17					1					32					3	53
<b>Total</b>						43					8					48					7	106

PDI File #: **196890 E**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Sidney Street W: Sidney Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Single-Unit Trucks**

	Mass Ave					Sidney Street					Mass Ave					Sidney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	2	3	0	0	5	0	1	1	0	2	1	0	0	0	1	8
7:15 AM	0	3	6	0	9	4	3	0	0	7	1	1	0	0	2	1	0	0	0	1	19
7:30 AM	1	5	3	0	9	0	3	2	0	5	0	1	4	0	5	1	0	0	0	1	20
7:45 AM	0	7	3	0	10	2	2	0	0	4	0	2	0	0	2	0	0	0	0	0	16
<b>Total</b>	<b>1</b>	<b>15</b>	<b>12</b>	<b>0</b>	<b>28</b>	<b>8</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>21</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>11</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>63</b>
8:00 AM	0	7	2	0	9	4	1	1	0	6	0	4	0	0	4	0	0	0	0	0	19
8:15 AM	0	5	3	0	8	0	1	1	0	2	1	5	1	0	7	0	0	0	0	0	17
8:30 AM	0	3	3	0	6	3	3	0	0	6	1	5	0	0	6	0	0	0	0	0	18
8:45 AM	0	3	5	0	8	1	3	1	0	5	1	3	0	0	4	1	0	0	0	1	18
<b>Total</b>	<b>0</b>	<b>18</b>	<b>13</b>	<b>0</b>	<b>31</b>	<b>8</b>	<b>8</b>	<b>3</b>	<b>0</b>	<b>19</b>	<b>3</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>72</b>
9:00 AM	0	6	2	0	8	1	3	0	0	4	0	2	1	0	3	1	0	0	0	1	16
9:15 AM	3	5	2	0	10	1	2	0	0	3	0	1	2	0	3	0	0	0	0	0	16
9:30 AM	3	8	9	0	20	3	0	0	0	3	1	3	5	0	9	1	0	0	0	1	33
9:45 AM	0	4	6	0	10	4	1	0	0	5	0	3	0	0	3	1	0	0	0	1	19
<b>Total</b>	<b>6</b>	<b>23</b>	<b>19</b>	<b>0</b>	<b>48</b>	<b>9</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>1</b>	<b>9</b>	<b>8</b>	<b>0</b>	<b>18</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>84</b>
<b>Grand Total</b>	<b>7</b>	<b>56</b>	<b>44</b>	<b>0</b>	<b>107</b>	<b>25</b>	<b>25</b>	<b>5</b>	<b>0</b>	<b>55</b>	<b>5</b>	<b>31</b>	<b>14</b>	<b>0</b>	<b>50</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>219</b>
Approach %	6.5	52.3	41.1	0.0		45.5	45.5	9.1	0.0		10.0	62.0	28.0	0.0		100.0	0.0	0.0	0.0		
Total %	3.2	25.6	20.1	0.0	48.9	11.4	11.4	2.3	0.0	25.1	2.3	14.2	6.4	0.0	22.8	3.2	0.0	0.0	0.0	3.2	
Exiting Leg Total	56					49					68					46					219

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

9:00 AM	Mass Ave					Sidney Street					Mass Ave					Sidney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	6	2	0	8	1	3	0	0	4	0	2	1	0	3	1	0	0	0	1	16
9:15 AM	3	5	2	0	10	1	2	0	0	3	0	1	2	0	3	0	0	0	0	0	16
9:30 AM	3	8	9	0	20	3	0	0	0	3	1	3	5	0	9	1	0	0	0	1	33
9:45 AM	0	4	6	0	10	4	1	0	0	5	0	3	0	0	3	1	0	0	0	1	19
<b>Total Volume</b>	<b>6</b>	<b>23</b>	<b>19</b>	<b>0</b>	<b>48</b>	<b>9</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>1</b>	<b>9</b>	<b>8</b>	<b>0</b>	<b>18</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>84</b>
<b>% Approach Total</b>	<b>12.5</b>	<b>47.9</b>	<b>39.6</b>	<b>0.0</b>		<b>60.0</b>	<b>40.0</b>	<b>0.0</b>	<b>0.0</b>		<b>5.6</b>	<b>50.0</b>	<b>44.4</b>	<b>0.0</b>		<b>100.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
PHF	0.500	0.719	0.528	0.000	0.600	0.563	0.500	0.000	0.000	0.750	0.250	0.750	0.400	0.000	0.500	0.750	0.000	0.000	0.000	0.750	0.636
Entering Leg	6	23	19	0	48	9	6	0	0	15	1	9	8	0	18	3	0	0	0	3	84
Exiting Leg	18					20					26					20					84
<b>Total</b>	<b>66</b>					<b>35</b>					<b>44</b>					<b>23</b>					<b>168</b>

PDI File #: **196890 E**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Sidney Street W: Sidney Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Articulated Trucks**

	Mass Ave					Sidney Street					Mass Ave					Sidney Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	1	0	0	0	1	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	4
7:30 AM	3	0	1	0	4	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	5
7:45 AM	0	2	1	0	3	0	0	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	5
<b>Total</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>
8:00 AM	0	0	3	0	3	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
8:15 AM	0	1	0	0	1	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	3
8:30 AM	0	0	2	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>
9:00 AM	0	1	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
9:15 AM	2	1	1	0	4	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6
9:30 AM	0	0	2	0	2	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	4
9:45 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>
<b>Grand Total</b>	<b>5</b>	<b>5</b>	<b>10</b>	<b>0</b>	<b>20</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>9</b>	<b>2</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>
Approach %	25.0	25.0	50.0	0.0		33.3	22.2	44.4	0.0		18.2	63.6	18.2	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	12.5	12.5	25.0	0.0	50.0	7.5	5.0	10.0	0.0	22.5	5.0	17.5	5.0	0.0	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	10					12					9					9					40					

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Mass Ave					Sidney Street					Mass Ave					Sidney Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:15 AM	0	0	0	0	0	1	0	0	0	1	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	4
7:30 AM	3	0	1	0	4	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	5
7:45 AM	0	2	1	0	3	0	0	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	5
8:00 AM	0	0	3	0	3	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
<b>Total Volume</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>
% Approach Total	30.0	20.0	50.0	0.0		33.3	33.3	33.3	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.250	0.250	0.417	0.000	0.625	0.250	0.250	0.250	0.000	0.750	0.000	0.417	0.000	0.000	0.417	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.900
Entering Leg	3	2	5	0	10	1	1	1	0	3	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	18
Exiting Leg	6					5					3					4					18					
<b>Total</b>	<b>16</b>					<b>8</b>					<b>8</b>					<b>4</b>					<b>36</b>					

PDI File #: 196890 E  
 Location: N: Mass Ave S: Mass Ave  
 Location: E: Sidney Street W: Sidney Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Bicycles (on Roadway and Crosswalks)**

	Mass Ave							Sidney Street							Mass Ave							Sidney Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	9	3	0	0	0	12	2	2	8	0	2	1	15	1	7	0	0	1	0	9	0	0	0	0	0	0	36	
7:15 AM	0	15	3	0	1	0	19	0	3	2	0	0	3	8	1	7	1	0	0	0	9	0	0	0	0	2	0	2	38
7:30 AM	1	12	4	0	0	0	17	0	6	4	0	6	1	17	2	3	1	0	0	0	6	1	2	0	0	0	0	3	43
7:45 AM	1	30	6	0	0	0	37	0	8	6	0	8	7	29	2	8	0	0	0	0	10	1	0	0	0	0	0	1	77
<b>Total</b>	<b>2</b>	<b>66</b>	<b>16</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>85</b>	<b>2</b>	<b>19</b>	<b>20</b>	<b>0</b>	<b>16</b>	<b>12</b>	<b>69</b>	<b>6</b>	<b>25</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>34</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>194</b>
8:00 AM	2	22	9	0	0	0	33	2	9	8	0	0	1	20	0	5	3	0	0	0	8	3	0	0	0	0	0	3	64
8:15 AM	1	29	13	0	0	0	43	2	5	14	0	0	0	21	0	10	3	0	0	0	13	0	0	0	0	0	0	0	77
8:30 AM	7	41	11	0	0	1	60	3	8	17	0	1	1	30	1	7	0	0	0	2	10	4	3	0	0	0	0	7	107
8:45 AM	3	44	10	0	0	0	57	4	13	17	0	1	3	38	2	11	1	0	0	1	15	8	4	0	0	0	1	13	123
<b>Total</b>	<b>13</b>	<b>136</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>193</b>	<b>11</b>	<b>35</b>	<b>56</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>109</b>	<b>3</b>	<b>33</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>46</b>	<b>15</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>23</b>	<b>371</b>
9:00 AM	5	30	8	0	0	0	43	3	7	10	0	4	0	24	0	11	3	0	0	0	14	1	1	0	0	0	0	2	83
9:15 AM	4	25	6	0	0	0	35	5	5	8	0	1	1	20	0	8	0	0	1	0	9	2	2	0	0	0	0	4	68
9:30 AM	8	16	13	0	0	0	37	1	3	9	0	1	0	14	0	7	0	0	0	0	7	1	0	0	0	0	0	1	59
9:45 AM	5	22	7	0	0	0	34	1	3	1	0	3	0	8	2	6	1	0	0	0	9	2	2	0	0	0	0	4	55
<b>Total</b>	<b>22</b>	<b>93</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>149</b>	<b>10</b>	<b>18</b>	<b>28</b>	<b>0</b>	<b>9</b>	<b>1</b>	<b>66</b>	<b>2</b>	<b>32</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>39</b>	<b>6</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>265</b>
Grand Total	37	295	93	0	1	1	427	23	72	104	0	27	18	244	11	90	13	0	2	3	119	23	14	0	0	2	1	40	830
Approach %	8.7	69.1	21.8	0.0	0.2	0.2		9.4	29.5	42.6	0.0	11.1	7.4		9.2	75.6	10.9	0.0	1.7	2.5		57.5	35.0	0.0	0.0	5.0	2.5		
Total %	4.5	35.5	11.2	0.0	0.1	0.1	51.4	2.8	8.7	12.5	0.0	3.3	2.2	29.4	1.3	10.8	1.6	0.0	0.2	0.4	14.3	2.8	1.7	0.0	0.0	0.2	0.1	4.8	
Exiting Leg Total	115							163							427							125							830

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Mass Ave							Sidney Street							Mass Ave							Sidney Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:15 AM	1	29	13	0	0	0	43	2	5	14	0	0	0	21	0	10	3	0	0	0	13	0	0	0	0	0	0	0	77
8:30 AM	7	41	11	0	0	1	60	3	8	17	0	1	1	30	1	7	0	0	0	2	10	4	3	0	0	0	0	7	107
8:45 AM	3	44	10	0	0	0	57	4	13	17	0	1	3	38	2	11	1	0	0	1	15	8	4	0	0	0	1	13	123
9:00 AM	5	30	8	0	0	0	43	3	7	10	0	4	0	24	0	11	3	0	0	0	14	1	1	0	0	0	0	2	83
Total Volume	16	144	42	0	0	1	203	12	33	58	0	6	4	113	3	39	7	0	0	3	52	13	8	0	0	0	1	22	390
% Approach Total	7.9	70.9	20.7	0.0	0.0	0.5		10.6	29.2	51.3	0.0	5.3	3.5		5.8	75.0	13.5	0.0	0.0	5.8		59.1	36.4	0.0	0.0	0.0	4.5		
PHF	0.571	0.818	0.808	0.000	0.000	0.250	0.846	0.750	0.635	0.853	0.000	0.375	0.333	0.743	0.375	0.886	0.583	0.000	0.000	0.375	0.867	0.406	0.500	0.000	0.000	0.000	0.250	0.423	0.793
Entering Leg	16	144	42	0	0	1	203	12	33	58	0	6	4	113	3	39	7	0	0	3	52	13	8	0	0	0	1	22	390
Exiting Leg	52							63							218							57							390
Total	255							176							270							79							780

PDI File #: 196890 E  
 Location: N: Mass Ave S: Mass Ave  
 Location: E: Sidney Street W: Sidney Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Pedestrians**

	Mass Ave							Sidney Street							Mass Ave							Sidney Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	5	7	12	0	0	0	0	21	3	24	0	0	0	0	5	5	10	0	0	0	0	7	22	29	75
7:15 AM	0	0	0	0	6	7	13	0	0	0	0	29	7	36	0	0	0	0	11	13	24	0	0	0	0	7	51	58	131
7:30 AM	0	0	0	0	14	9	23	0	0	0	0	29	4	33	0	0	0	0	10	15	25	0	0	0	0	10	47	57	138
7:45 AM	0	0	0	0	16	13	29	0	0	0	0	41	11	52	0	0	0	0	22	19	41	0	0	0	0	14	75	89	211
Total	0	0	0	0	41	36	77	0	0	0	0	120	25	145	0	0	0	0	48	52	100	0	0	0	0	38	195	233	555
8:00 AM	0	0	0	0	18	11	29	0	0	0	0	26	6	32	0	0	0	0	13	14	27	0	0	0	0	11	50	61	149
8:15 AM	0	0	0	0	16	10	26	0	0	0	0	54	5	59	0	0	0	0	12	16	28	0	0	0	0	6	63	69	182
8:30 AM	0	0	0	0	10	8	18	0	0	0	0	56	7	63	0	0	0	0	21	19	40	0	0	0	0	14	54	68	189
8:45 AM	0	0	0	0	13	4	17	0	0	0	0	52	16	68	0	0	0	0	23	27	50	0	0	0	0	10	57	67	202
Total	0	0	0	0	57	33	90	0	0	0	0	188	34	222	0	0	0	0	69	76	145	0	0	0	0	41	224	265	722
9:00 AM	0	0	0	0	14	15	29	0	0	0	0	57	12	69	0	0	0	0	9	19	28	0	0	0	0	9	96	105	231
9:15 AM	0	0	0	0	17	12	29	0	0	0	0	65	10	75	0	0	0	0	19	14	33	0	0	0	0	4	57	61	198
9:30 AM	0	0	0	0	12	10	22	0	0	0	0	34	18	52	0	0	0	0	15	11	26	0	0	0	0	17	38	55	155
9:45 AM	0	0	0	0	10	7	17	0	0	0	0	34	16	50	0	0	0	0	11	18	29	0	0	0	0	11	59	70	166
Total	0	0	0	0	53	44	97	0	0	0	0	190	56	246	0	0	0	0	54	62	116	0	0	0	0	41	250	291	750
Grand Total	0	0	0	0	151	113	264	0	0	0	0	498	115	613	0	0	0	0	171	190	361	0	0	0	0	120	669	789	2027
Approach %	0	0	0	0	57.2	42.8		0	0	0	0	81.2	18.8		0	0	0	0	47.4	52.6		0	0	0	0	15.2	84.8		
Total %	0	0	0	0	7.45	5.57	13	0	0	0	0	24.6	5.67	30.2	0	0	0	0	8.44	9.37	17.8	0	0	0	0	5.92	33	38.9	
Exiting Leg Total	264							613							361							789							2027

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Mass Ave							Sidney Street							Mass Ave							Sidney Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:30 AM	0	0	0	0	10	8	18	0	0	0	0	56	7	63	0	0	0	0	21	19	40	0	0	0	0	14	54	68	189
8:45 AM	0	0	0	0	13	4	17	0	0	0	0	52	16	68	0	0	0	0	23	27	50	0	0	0	0	10	57	67	202
9:00 AM	0	0	0	0	14	15	29	0	0	0	0	57	12	69	0	0	0	0	9	19	28	0	0	0	0	9	96	105	231
9:15 AM	0	0	0	0	17	12	29	0	0	0	0	65	10	75	0	0	0	0	19	14	33	0	0	0	0	4	57	61	198
Total Volume	0	0	0	0	54	39	93	0	0	0	0	230	45	275	0	0	0	0	72	79	151	0	0	0	0	37	264	301	820
% Approach Total	0.0	0.0	0.0	0.0	58.1	41.9		0.0	0.0	0.0	0.0	83.6	16.4		0.0	0.0	0.0	0.0	47.7	52.3		0.0	0.0	0.0	0.0	12.3	87.7		
PHF	0.000	0.000	0.000	0.000	0.794	0.650	0.802	0.000	0.000	0.000	0.000	0.885	0.703	0.917	0.000	0.000	0.000	0.000	0.783	0.731	0.755	0.000	0.000	0.000	0.000	0.661	0.688	0.717	0.887
Entering Leg	0	0	0	0	54	39	93	0	0	0	0	230	45	275	0	0	0	0	72	79	151	0	0	0	0	37	264	301	820
Exiting Leg	93							275							151							301							820
Total	186							550							302							602							1640

PDI File #: **196890 EE**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Sydney Street W: Sydney Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars and Heavy Vehicles (Combined)**

	Mass Ave					Sydney Street					Mass Ave					Sydney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	12	39	18	0	69	21	41	7	0	69	30	58	14	0	102	25	0	0	0	25	265
4:45 PM	7	57	19	0	83	18	35	9	0	62	17	53	13	0	83	28	0	0	0	28	256
<b>Total</b>	<b>19</b>	<b>96</b>	<b>37</b>	<b>0</b>	<b>152</b>	<b>39</b>	<b>76</b>	<b>16</b>	<b>0</b>	<b>131</b>	<b>47</b>	<b>111</b>	<b>27</b>	<b>0</b>	<b>185</b>	<b>53</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>521</b>
5:00 PM	10	54	13	0	77	16	44	11	0	71	19	65	10	0	94	25	0	0	0	25	267
5:15 PM	8	31	16	0	55	17	57	8	0	82	28	68	13	0	109	22	0	0	0	22	268
5:30 PM	10	34	22	0	66	23	53	8	0	84	11	60	13	0	84	27	0	0	0	27	261
5:45 PM	13	40	22	0	75	16	39	8	0	63	19	45	14	0	78	33	0	0	0	33	249
<b>Total</b>	<b>41</b>	<b>159</b>	<b>73</b>	<b>0</b>	<b>273</b>	<b>72</b>	<b>193</b>	<b>35</b>	<b>0</b>	<b>300</b>	<b>77</b>	<b>238</b>	<b>50</b>	<b>0</b>	<b>365</b>	<b>107</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>107</b>	<b>1045</b>
6:00 PM	12	36	22	1	71	21	52	9	0	82	14	50	14	0	78	25	0	0	0	25	256
6:15 PM	16	38	23	0	77	19	41	10	0	70	17	56	12	0	85	30	0	0	0	30	262
6:30 PM	18	35	25	1	79	15	35	10	0	60	10	48	13	0	71	18	3	0	0	21	231
6:45 PM	18	51	15	0	84	17	30	8	0	55	8	53	7	0	68	16	1	0	0	17	224
<b>Total</b>	<b>64</b>	<b>160</b>	<b>85</b>	<b>2</b>	<b>311</b>	<b>72</b>	<b>158</b>	<b>37</b>	<b>0</b>	<b>267</b>	<b>49</b>	<b>207</b>	<b>46</b>	<b>0</b>	<b>302</b>	<b>89</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>93</b>	<b>973</b>
7:00 PM	9	40	21	0	70	17	31	7	0	55	10	50	14	0	74	17	0	0	0	17	216
7:15 PM	10	59	15	0	84	21	26	10	0	57	7	48	10	0	65	15	0	0	0	15	221
<b>Total</b>	<b>19</b>	<b>99</b>	<b>36</b>	<b>0</b>	<b>154</b>	<b>38</b>	<b>57</b>	<b>17</b>	<b>0</b>	<b>112</b>	<b>17</b>	<b>98</b>	<b>24</b>	<b>0</b>	<b>139</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>437</b>
<b>Grand Total</b>	<b>143</b>	<b>514</b>	<b>231</b>	<b>2</b>	<b>890</b>	<b>221</b>	<b>484</b>	<b>105</b>	<b>0</b>	<b>810</b>	<b>190</b>	<b>654</b>	<b>147</b>	<b>0</b>	<b>991</b>	<b>281</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>285</b>	<b>2976</b>
Approach %	16.1	57.8	26.0	0.2		27.3	59.8	13.0	0.0		19.2	66.0	14.8	0.0		98.6	1.4	0.0	0.0		
Total %	4.8	17.3	7.8	0.1	29.9	7.4	16.3	3.5	0.0	27.2	6.4	22.0	4.9	0.0	33.3	9.4	0.1	0.0	0.0	9.6	
<b>Exiting Leg Total</b>	<b>877</b>					<b>425</b>					<b>900</b>					<b>774</b>					<b>2976</b>
Cars	141	421	212	2	776	207	474	103	0	784	190	594	144	0	928	274	4	0	0	278	2766
% Cars	98.6	81.9	91.8	100.0	87.2	93.7	97.9	98.1	0.0	96.8	100.0	90.8	98.0	0.0	93.6	97.5	100.0	0.0	0.0	97.5	92.9
<b>Exiting Leg Total</b>	<b>803</b>					<b>406</b>					<b>798</b>					<b>759</b>					<b>2766</b>
Heavy Vehicles	2	93	19	0	114	14	10	2	0	26	0	60	3	0	63	7	0	0	0	7	210
% Heavy Vehicles	1.4	18.1	8.2	0.0	12.8	6.3	2.1	1.9	0.0	3.2	0.0	9.2	2.0	0.0	6.4	2.5	0.0	0.0	0.0	2.5	7.1
<b>Exiting Leg Total</b>	<b>74</b>					<b>19</b>					<b>102</b>					<b>15</b>					<b>210</b>

**Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:**

	Mass Ave					Sydney Street					Mass Ave					Sydney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	12	39	18	0	69	21	41	7	0	69	30	58	14	0	102	25	0	0	0	25	265
4:45 PM	7	57	19	0	83	18	35	9	0	62	17	53	13	0	83	28	0	0	0	28	256
5:00 PM	10	54	13	0	77	16	44	11	0	71	19	65	10	0	94	25	0	0	0	25	267
5:15 PM	8	31	16	0	55	17	57	8	0	82	28	68	13	0	109	22	0	0	0	22	268
<b>Total Volume</b>	<b>37</b>	<b>181</b>	<b>66</b>	<b>0</b>	<b>284</b>	<b>72</b>	<b>177</b>	<b>35</b>	<b>0</b>	<b>284</b>	<b>94</b>	<b>244</b>	<b>50</b>	<b>0</b>	<b>388</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>1056</b>
<b>% Approach Total</b>	<b>13.0</b>	<b>63.7</b>	<b>23.2</b>	<b>0.0</b>		<b>25.4</b>	<b>62.3</b>	<b>12.3</b>	<b>0.0</b>		<b>24.2</b>	<b>62.9</b>	<b>12.9</b>	<b>0.0</b>		<b>100.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
PHF	0.771	0.794	0.868	0.000	0.855	0.857	0.776	0.795	0.000	0.866	0.783	0.897	0.893	0.000	0.890	0.893	0.000	0.000	0.000	0.893	0.985
Cars	37	149	60	0	246	67	174	33	0	274	94	220	49	0	363	96	0	0	0	96	979
Cars %	100.0	82.3	90.9	0.0	86.6	93.1	98.3	94.3	0.0	96.5	100.0	90.2	98.0	0.0	93.6	96.0	0.0	0.0	0.0	96.0	92.7
Heavy Vehicles	0	32	6	0	38	5	3	2	0	10	0	24	1	0	25	4	0	0	0	4	77
Heavy Vehicles %	0.0	17.7	9.1	0.0	13.4	6.9	1.7	5.7	0.0	3.5	0.0	9.8	2.0	0.0	6.4	4.0	0.0	0.0	0.0	4.0	7.3
Cars Enter Leg	37	149	60	0	246	67	174	33	0	274	94	220	49	0	363	96	0	0	0	96	979
Heavy Enter Leg	0	32	6	0	38	5	3	2	0	10	0	24	1	0	25	4	0	0	0	4	77
<b>Total Entering Leg</b>	<b>37</b>	<b>181</b>	<b>66</b>	<b>0</b>	<b>284</b>	<b>72</b>	<b>177</b>	<b>35</b>	<b>0</b>	<b>284</b>	<b>94</b>	<b>244</b>	<b>50</b>	<b>0</b>	<b>388</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>1056</b>
Cars Exiting Leg	287					154					278					260					979
Heavy Exiting Leg	29					6					38					4					77
<b>Total Exiting Leg</b>	<b>316</b>					<b>160</b>					<b>316</b>					<b>264</b>					<b>1056</b>

PDI File #: **196890 EE**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Sydney Street W: Sydney Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



**Cars**

	Mass Ave					Sydney Street					Mass Ave					Sydney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	12	36	15	0	63	20	39	5	0	64	30	50	14	0	94	25	0	0	0	25	246
4:45 PM	7	45	18	0	70	16	35	9	0	60	17	47	13	0	77	27	0	0	0	27	234
Total	19	81	33	0	133	36	74	14	0	124	47	97	27	0	171	52	0	0	0	52	480
5:00 PM	10	43	12	0	65	15	44	11	0	70	19	59	10	0	88	23	0	0	0	23	246
5:15 PM	8	25	15	0	48	16	56	8	0	80	28	64	12	0	104	21	0	0	0	21	253
5:30 PM	10	29	20	0	59	22	51	8	0	81	11	55	13	0	79	27	0	0	0	27	246
5:45 PM	13	34	20	0	67	16	39	8	0	63	19	42	14	0	75	32	0	0	0	32	237
Total	41	131	67	0	239	69	190	35	0	294	77	220	49	0	346	103	0	0	0	103	982
6:00 PM	12	27	20	1	60	21	50	9	0	80	14	45	14	0	73	25	0	0	0	25	238
6:15 PM	16	32	19	0	67	18	40	10	0	68	17	52	11	0	80	29	0	0	0	29	244
6:30 PM	18	27	25	1	71	14	34	10	0	58	10	43	13	0	66	18	3	0	0	21	216
6:45 PM	16	42	15	0	73	16	30	8	0	54	8	48	7	0	63	16	1	0	0	17	207
Total	62	128	79	2	271	69	154	37	0	260	49	188	45	0	282	88	4	0	0	92	905
7:00 PM	9	34	20	0	63	14	30	7	0	51	10	45	13	0	68	17	0	0	0	17	199
7:15 PM	10	47	13	0	70	19	26	10	0	55	7	44	10	0	61	14	0	0	0	14	200
Total	19	81	33	0	133	33	56	17	0	106	17	89	23	0	129	31	0	0	0	31	399
Grand Total	141	421	212	2	776	207	474	103	0	784	190	594	144	0	928	274	4	0	0	278	2766
Approach %	18.2	54.3	27.3	0.3		26.4	60.5	13.1	0.0		20.5	64.0	15.5	0.0		98.6	1.4	0.0	0.0		
Total %	5.1	15.2	7.7	0.1	28.1	7.5	17.1	3.7	0.0	28.3	6.9	21.5	5.2	0.0	33.6	9.9	0.1	0.0	0.0	10.1	
Exiting Leg Total	803					406					798					759					2766

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave					Sydney Street					Mass Ave					Sydney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:00 PM	10	43	12	0	65	15	44	11	0	70	19	59	10	0	88	23	0	0	0	23	246
5:15 PM	8	25	15	0	48	16	56	8	0	80	28	64	12	0	104	21	0	0	0	21	253
5:30 PM	10	29	20	0	59	22	51	8	0	81	11	55	13	0	79	27	0	0	0	27	246
5:45 PM	13	34	20	0	67	16	39	8	0	63	19	42	14	0	75	32	0	0	0	32	237
Total Volume	41	131	67	0	239	69	190	35	0	294	77	220	49	0	346	103	0	0	0	103	982
% Approach Total	17.2	54.8	28.0	0.0		23.5	64.6	11.9	0.0		22.3	63.6	14.2	0.0		100.0	0.0	0.0	0.0		
PHF	0.788	0.762	0.838	0.000	0.892	0.784	0.848	0.795	0.000	0.907	0.688	0.859	0.875	0.000	0.832	0.805	0.000	0.000	0.000	0.805	0.970
Entering Leg	41	131	67	0	239	69	190	35	0	294	77	220	49	0	346	103	0	0	0	103	982
Exiting Leg	289					144					269					280					982
Total	528					438					615					383					1964

PDI File #: **196890 EE**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Sydney Street W: Sydney Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class: **Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**



	Mass Ave					Sydney Street					Mass Ave					Sydney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	3	3	0	6	1	2	2	0	5	0	8	0	0	8	0	0	0	0	0	19
4:45 PM	0	12	1	0	13	2	0	0	0	2	0	6	0	0	6	1	0	0	0	0	22
Total	0	15	4	0	19	3	2	2	0	7	0	14	0	0	14	1	0	0	0	1	41
5:00 PM	0	11	1	0	12	1	0	0	0	1	0	6	0	0	6	2	0	0	0	2	21
5:15 PM	0	6	1	0	7	1	1	0	0	2	0	4	1	0	5	1	0	0	0	1	15
5:30 PM	0	5	2	0	7	1	2	0	0	3	0	5	0	0	5	0	0	0	0	0	15
5:45 PM	0	6	2	0	8	0	0	0	0	0	0	3	0	0	3	1	0	0	0	1	12
Total	0	28	6	0	34	3	3	0	0	6	0	18	1	0	19	4	0	0	0	4	63
6:00 PM	0	9	2	0	11	0	2	0	0	2	0	5	0	0	5	0	0	0	0	0	18
6:15 PM	0	6	4	0	10	1	1	0	0	2	0	4	1	0	5	1	0	0	0	1	18
6:30 PM	0	8	0	0	8	1	1	0	0	2	0	5	0	0	5	0	0	0	0	0	15
6:45 PM	2	9	0	0	11	1	0	0	0	1	0	5	0	0	5	0	0	0	0	0	17
Total	2	32	6	0	40	3	4	0	0	7	0	19	1	0	20	1	0	0	0	1	68
7:00 PM	0	6	1	0	7	3	1	0	0	4	0	5	1	0	6	0	0	0	0	0	17
7:15 PM	0	12	2	0	14	2	0	0	0	2	0	4	0	0	4	1	0	0	0	1	21
Total	0	18	3	0	21	5	1	0	0	6	0	9	1	0	10	1	0	0	0	1	38
Grand Total	2	93	19	0	114	14	10	2	0	26	0	60	3	0	63	7	0	0	0	7	210
Approach %	1.8	81.6	16.7	0.0		53.8	38.5	7.7	0.0		0.0	95.2	4.8	0.0		100.0	0.0	0.0	0.0		
Total %	1.0	44.3	9.0	0.0	54.3	6.7	4.8	1.0	0.0	12.4	0.0	28.6	1.4	0.0	30.0	3.3	0.0	0.0	0.0	3.3	
Exiting Leg Total	74					19					102					15					210
Buses	0	84	10	0	94	6	6	0	0	12	0	50	1	0	51	6	0	0	0	6	163
% Buses	0.0	90.3	52.6	0.0	82.5	42.9	60.0	0.0	0.0	46.2	0.0	83.3	33.3	0.0	81.0	85.7	0.0	0.0	0.0	85.7	77.6
Exiting Leg Total	56					10					90					7					163
Single-Unit Trucks	2	8	6	0	16	5	4	2	0	11	0	9	2	0	11	1	0	0	0	1	39
% Single-Unit	100.0	8.6	31.6	0.0	14.0	35.7	40.0	100.0	0.0	42.3	0.0	15.0	66.7	0.0	17.5	14.3	0.0	0.0	0.0	14.3	18.6
Exiting Leg Total	14					6					11					8					39
Articulated Trucks	0	1	3	0	4	3	0	0	0	3	0	1	0	0	1	0	0	0	0	0	8
% Articulated	0.0	1.1	15.8	0.0	3.5	21.4	0.0	0.0	0.0	11.5	0.0	1.7	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	3.8
Exiting Leg Total	4					3					1					0					8

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave					Sydney Street					Mass Ave					Sydney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	3	3	0	6	1	2	2	0	5	0	8	0	0	8	0	0	0	0	0	19
4:45 PM	0	12	1	0	13	2	0	0	0	2	0	6	0	0	6	1	0	0	0	1	22
5:00 PM	0	11	1	0	12	1	0	0	0	1	0	6	0	0	6	2	0	0	0	2	21
5:15 PM	0	6	1	0	7	1	1	0	0	2	0	4	1	0	5	1	0	0	0	1	15
Total Volume	0	32	6	0	38	5	3	2	0	10	0	24	1	0	25	4	0	0	0	4	77
% Approach Total	0.0	84.2	15.8	0.0		50.0	30.0	20.0	0.0		0.0	96.0	4.0	0.0		100.0	0.0	0.0	0.0		
PHF	0.000	0.667	0.500	0.000	0.731	0.625	0.375	0.250	0.000	0.500	0.000	0.750	0.250	0.000	0.781	0.500	0.000	0.000	0.000	0.500	0.875
Buses	0	27	3	0	30	1	1	0	0	2	0	19	0	0	19	3	0	0	0	3	54
Buses %	0.0	84.4	50.0	0.0	78.9	20.0	33.3	0.0	0.0	20.0	0.0	79.2	0.0	0.0	76.0	75.0	0.0	0.0	0.0	75.0	70.1
Single-Unit Trucks	0	5	3	0	8	2	2	2	0	6	0	4	1	0	5	1	0	0	0	1	20
Single-Unit %	0.0	15.6	50.0	0.0	21.1	40.0	66.7	100.0	0.0	60.0	0.0	16.7	100.0	0.0	20.0	25.0	0.0	0.0	0.0	25.0	26.0
Articulated Trucks	0	0	0	0	0	2	0	0	0	2	0	1	0	0	1	0	0	0	0	0	3
Articulated %	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	20.0	0.0	4.2	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	3.9
Buses	0	27	3	0	30	1	1	0	0	2	0	19	0	0	19	3	0	0	0	3	54
Single-Unit Trucks	0	5	3	0	8	2	2	2	0	6	0	4	1	0	5	1	0	0	0	1	20
Articulated Trucks	0	0	0	0	0	2	0	0	0	2	0	1	0	0	1	0	0	0	0	0	3
Total Entering Leg	0	32	6	0	38	5	3	2	0	10	0	24	1	0	25	4	0	0	0	4	77
Buses	20					3					30					1					54
Single-Unit Trucks	6					3					8					3					20
Articulated Trucks	3					0					0					0					3
Total Exiting Leg	29					6					38					4					77



PDI File #: **196890 EE**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Sydney Street W: Sydney Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



**Buses**

	Mass Ave					Sydney Street					Mass Ave					Sydney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	3	1	0	4	1	1	0	0	2	0	7	0	0	7	0	0	0	0	0	13
4:45 PM	0	10	1	0	11	0	0	0	0	0	0	5	0	0	5	1	0	0	0	1	17
<b>Total</b>	0	13	2	0	15	1	1	0	0	2	0	12	0	0	12	1	0	0	0	1	30
5:00 PM	0	9	0	0	9	0	0	0	0	0	0	3	0	0	3	1	0	0	0	1	13
5:15 PM	0	5	1	0	6	0	0	0	0	0	0	4	0	0	4	1	0	0	0	1	11
5:30 PM	0	4	1	0	5	1	1	0	0	2	0	4	0	0	4	0	0	0	0	0	11
5:45 PM	0	6	2	0	8	0	0	0	0	0	0	2	0	0	2	1	0	0	0	1	11
<b>Total</b>	0	24	4	0	28	1	1	0	0	2	0	13	0	0	13	3	0	0	0	3	46
6:00 PM	0	8	1	0	9	0	2	0	0	2	0	4	0	0	4	0	0	0	0	0	15
6:15 PM	0	6	1	0	7	0	1	0	0	1	0	4	1	0	5	1	0	0	0	1	14
6:30 PM	0	8	0	0	8	0	1	0	0	1	0	5	0	0	5	0	0	0	0	0	14
6:45 PM	0	8	0	0	8	1	0	0	0	1	0	4	0	0	4	0	0	0	0	0	13
<b>Total</b>	0	30	2	0	32	1	4	0	0	5	0	17	1	0	18	1	0	0	0	1	56
7:00 PM	0	6	0	0	6	2	0	0	0	2	0	5	0	0	5	0	0	0	0	0	13
7:15 PM	0	11	2	0	13	1	0	0	0	1	0	3	0	0	3	1	0	0	0	1	18
<b>Total</b>	0	17	2	0	19	3	0	0	0	3	0	8	0	0	8	1	0	0	0	1	31
<b>Grand Total</b>	0	84	10	0	94	6	6	0	0	12	0	50	1	0	51	6	0	0	0	6	163
Approach %	0.0	89.4	10.6	0.0		50.0	50.0	0.0	0.0		0.0	98.0	2.0	0.0		100.0	0.0	0.0	0.0		
Total %	0.0	51.5	6.1	0.0	57.7	3.7	3.7	0.0	0.0	7.4	0.0	30.7	0.6	0.0	31.3	3.7	0.0	0.0	0.0	3.7	
Exiting Leg Total	56					10					90					7					163

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave					Sydney Street					Mass Ave					Sydney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:30 PM	0	8	0	0	8	0	1	0	0	1	0	5	0	0	5	0	0	0	0	0	14
6:45 PM	0	8	0	0	8	1	0	0	0	1	0	4	0	0	4	0	0	0	0	0	13
7:00 PM	0	6	0	0	6	2	0	0	0	2	0	5	0	0	5	0	0	0	0	0	13
7:15 PM	0	11	2	0	13	1	0	0	0	1	0	3	0	0	3	1	0	0	0	1	18
<b>Total Volume</b>	0	33	2	0	35	4	1	0	0	5	0	17	0	0	17	1	0	0	0	1	58
% Approach Total	0.0	94.3	5.7	0.0		80.0	20.0	0.0	0.0		0.0	100.0	0.0	0.0		100.0	0.0	0.0	0.0		
PHF	0.000	0.750	0.250	0.000	0.673	0.500	0.250	0.000	0.000	0.625	0.000	0.850	0.000	0.000	0.850	0.250	0.000	0.000	0.000	0.250	0.806
Entering Leg	0	33	2	0	35	4	1	0	0	5	0	17	0	0	17	1	0	0	0	1	58
Exiting Leg	21					2					34					1					58
<b>Total</b>	56					7					51					2					116

PDI File #: **196890 EE**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Sydney Street W: Sydney Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



**Single-Unit Trucks**

	Mass Ave					Sydney Street					Mass Ave					Sydney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	2	0	2	0	1	2	0	3	0	0	0	0	0	0	0	0	0	0	5
4:45 PM	0	2	0	0	2	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	4
<b>Total</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>
5:00 PM	0	2	1	0	3	1	0	0	0	1	0	3	0	0	3	1	0	0	0	1	8
5:15 PM	0	1	0	0	1	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	3
5:30 PM	0	1	1	0	2	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	4
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
<b>Total</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>16</b>
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
6:15 PM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6:30 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
6:45 PM	2	1	0	0	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	4
<b>Total</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>
7:00 PM	0	0	0	0	0	1	1	0	0	2	0	0	1	0	1	0	0	0	0	0	3
7:15 PM	0	1	0	0	1	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	3
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>
<b>Grand Total</b>	<b>2</b>	<b>8</b>	<b>6</b>	<b>0</b>	<b>16</b>	<b>5</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>11</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>39</b>
Approach %	12.5	50.0	37.5	0.0		45.5	36.4	18.2	0.0		0.0	81.8	18.2	0.0		100.0	0.0	0.0	0.0		
Total %	5.1	20.5	15.4	0.0	41.0	12.8	10.3	5.1	0.0	28.2	0.0	23.1	5.1	0.0	28.2	2.6	0.0	0.0	0.0	2.6	
Exiting Leg Total	14					6					11					8					39

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave					Sydney Street					Mass Ave					Sydney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	2	0	2	0	1	2	0	3	0	0	0	0	0	0	0	0	0	0	5
4:45 PM	0	2	0	0	2	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	4
5:00 PM	0	2	1	0	3	1	0	0	0	1	0	3	0	0	3	1	0	0	0	1	8
5:15 PM	0	1	0	0	1	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	3
<b>Total Volume</b>	<b>0</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>20</b>
% Approach Total	0.0	62.5	37.5	0.0		33.3	33.3	33.3	0.0		0.0	80.0	20.0	0.0		100.0	0.0	0.0	0.0		
PHF	0.000	0.625	0.375	0.000	0.667	0.500	0.500	0.250	0.000	0.500	0.000	0.333	0.250	0.000	0.417	0.250	0.000	0.000	0.000	0.250	0.625
Entering Leg	0	5	3	0	8	2	2	2	0	6	0	4	1	0	5	1	0	0	0	1	20
Exiting Leg	6					3					8					3					20
<b>Total</b>	<b>14</b>					<b>9</b>					<b>13</b>					<b>4</b>					<b>40</b>

PDI File #: **196890 EE**  
 Location: **N: Mass Ave S: Mass Ave**  
 Location: **E: Sydney Street W: Sydney Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Articulated Trucks**

	Mass Ave					Sydney Street					Mass Ave					Sydney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6:15 PM	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	1	2	0	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
7:00 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>Grand Total</b>	0	1	3	0	4	3	0	0	0	3	0	1	0	0	1	0	0	0	0	0	8
Approach %	0.0	25.0	75.0	0.0		100.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	12.5	37.5	0.0	50.0	37.5	0.0	0.0	0.0	37.5	0.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	4					3					1					0					8

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave					Sydney Street					Mass Ave					Sydney Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6:15 PM	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
<b>Total Volume</b>	0	1	2	0	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
% Approach Total	0.0	33.3	66.7	0.0		100.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.250	0.500	0.000	0.375	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
Entering Leg	0	1	2	0	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
Exiting Leg	1					2					1					0					4
<b>Total</b>	4					3					1					0					8

PDI File #: 196890 EE  
 Location: N: Mass Ave S: Mass Ave  
 Location: E: Sydney Street W: Sydney Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Bicycles (on Roadway and Crosswalks)**

	Mass Ave								Sydney Street								Mass Ave								Sydney Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	5	2	0	1	0	8	2	2	0	0	1	0	5	1	6	1	0	0	0	0	8	1	1	0	0	0	0	2	23			
4:45 PM	3	14	1	0	2	0	20	4	5	2	0	0	0	11	2	15	1	1	3	0	22	2	0	0	0	0	0	2	55				
Total	3	19	3	0	3	0	28	6	7	2	0	1	0	16	3	21	2	1	3	0	30	3	1	0	0	0	0	4	78				
5:00 PM	0	8	4	0	1	1	14	1	7	0	0	0	0	8	5	41	3	0	2	2	53	1	3	0	0	0	0	4	79				
5:15 PM	1	25	6	0	0	0	32	5	5	1	0	0	0	11	4	41	0	0	3	1	49	1	0	0	0	0	0	1	93				
5:30 PM	0	17	6	0	0	0	23	16	2	1	0	0	0	19	1	34	4	0	0	0	39	0	0	0	0	0	0	0	81				
5:45 PM	1	16	4	0	0	0	21	18	3	3	0	0	1	25	3	39	3	0	0	0	45	6	0	0	0	0	0	6	97				
Total	2	66	20	0	1	1	90	40	17	5	0	0	1	63	13	155	10	0	5	3	186	8	3	0	0	0	0	11	350				
6:00 PM	3	24	1	0	0	0	28	6	5	5	0	0	0	16	2	36	2	0	3	0	43	1	0	0	0	0	0	1	88				
6:15 PM	1	22	1	0	0	0	24	12	4	4	0	0	1	21	1	44	1	0	3	0	49	1	0	0	0	0	1	2	96				
6:30 PM	4	23	4	0	0	0	31	4	5	2	0	1	0	12	5	30	6	0	0	1	42	4	0	0	0	0	0	4	89				
6:45 PM	2	11	2	0	1	0	16	7	2	2	0	1	0	12	2	28	2	0	0	3	35	3	0	0	0	1	0	4	67				
Total	10	80	8	0	1	0	99	29	16	13	0	2	1	61	10	138	11	0	6	4	169	9	0	0	0	1	1	11	340				
7:00 PM	0	14	3	0	0	0	17	2	5	0	0	1	3	11	5	31	3	0	0	2	41	1	0	0	0	0	0	1	70				
7:15 PM	1	20	1	0	0	2	24	6	4	3	0	0	1	14	6	26	1	0	1	1	35	3	1	0	0	0	0	4	77				
Total	1	34	4	0	0	2	41	8	9	3	0	1	4	25	11	57	4	0	1	3	76	4	1	0	0	0	0	5	147				
Grand Total	16	199	35	0	5	3	258	83	49	23	0	4	6	165	37	371	27	1	15	10	461	24	5	0	0	1	1	31	915				
Approach %	6.2	77.1	13.6	0.0	1.9	1.2		50.3	29.7	13.9	0.0	2.4	3.6		8.0	80.5	5.9	0.2	3.3	2.2		77.4	16.1	0.0	0.0	3.2	3.2						
Total %	1.7	21.7	3.8	0.0	0.5	0.3	28.2	9.1	5.4	2.5	0.0	0.4	0.7	18.0	4.0	40.5	3.0	0.1	1.6	1.1	50.4	2.6	0.5	0.0	0.0	0.1	0.1	3.4					
Exiting Leg Total	462							87							272							94							915				

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave								Sydney Street								Mass Ave								Sydney Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:45 PM	1	16	4	0	0	0	21	18	3	3	0	0	1	25	3	39	3	0	0	0	45	6	0	0	0	0	0	6	97				
5:45 PM	3	24	1	0	0	0	28	6	5	5	0	0	0	16	2	36	2	0	3	0	43	1	0	0	0	0	0	1	88				
6:00 PM	1	22	1	0	0	0	24	12	4	4	0	0	1	21	1	44	1	0	3	0	49	1	0	0	0	0	1	2	96				
6:15 PM	4	23	4	0	0	0	31	4	5	2	0	1	0	12	5	30	6	0	0	1	42	4	0	0	0	0	0	4	89				
Total Volume	9	85	10	0	0	0	104	40	17	14	0	1	2	74	11	149	12	0	6	1	179	12	0	0	0	0	1	13	370				
% Approach Total	8.7	81.7	9.6	0.0	0.0	0.0		54.1	23.0	18.9	0.0	1.4	2.7		6.1	83.2	6.7	0.0	3.4	0.6		92.3	0.0	0.0	0.0	0.0	7.7						
PHF	0.563	0.885	0.625	0.000	0.000	0.000	0.839	0.556	0.850	0.700	0.000	0.250	0.500	0.740	0.550	0.847	0.500	0.000	0.500	0.250	0.913	0.500	0.000	0.000	0.000	0.000	0.250	0.542	0.954				
Entering Leg	9	85	10	0	0	0	104	40	17	14	0	1	2	74	11	149	12	0	6	1	179	12	0	0	0	0	1	13	370				
Exiting Leg	189							24							118							39							370				
Total	293							98							297							52							740				

PDI File #: 196890 EE  
 Location: N: Mass Ave S: Mass Ave  
 Location: E: Sydney Street W: Sydney Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Pedestrians**

	Mass Ave								Sydney Street								Mass Ave								Sydney Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	0	0	0	8	16	24		0	0	0	0	36	61	97		0	0	0	0	24	17	41		0	0	0	0	45	19	64		226
4:45 PM	0	0	0	0	13	11	24		0	0	0	0	36	100	136		0	0	0	0	33	15	48		0	0	0	0	42	11	53		261
Total	0	0	0	0	21	27	48		0	0	0	0	72	161	233		0	0	0	0	57	32	89		0	0	0	0	87	30	117		487
5:00 PM	0	0	0	0	16	16	32		0	0	0	0	31	92	123		0	0	0	0	40	19	59		0	0	0	0	54	9	63		277
5:15 PM	0	0	0	0	19	23	42		0	0	0	0	38	94	132		0	0	0	0	33	35	68		0	0	0	0	34	12	46		288
5:30 PM	0	0	0	0	14	17	31		0	0	0	0	47	88	135		0	0	0	0	38	23	61		0	0	0	0	82	22	104		331
5:45 PM	0	0	0	0	10	20	30		0	0	0	0	38	87	125		0	0	0	0	31	21	52		0	0	0	0	57	38	95		302
Total	0	0	0	0	59	76	135		0	0	0	0	154	361	515		0	0	0	0	142	98	240		0	0	0	0	227	81	308		1198
6:00 PM	0	0	0	0	17	21	38		0	0	0	0	35	72	107		0	0	0	0	27	15	42		0	0	0	0	53	34	87		274
6:15 PM	0	0	0	0	20	12	32		0	0	0	0	44	72	116		0	0	0	0	22	18	40		0	0	0	0	68	37	105		293
6:30 PM	0	0	0	0	27	18	45		0	0	0	0	37	58	95		0	0	0	0	22	32	54		0	0	0	0	43	40	83		277
6:45 PM	0	0	0	0	7	17	24		0	0	0	0	36	59	95		0	0	0	0	42	27	69		0	0	0	0	63	24	87		275
Total	0	0	0	0	71	68	139		0	0	0	0	152	261	413		0	0	0	0	113	92	205		0	0	0	0	227	135	362		1119
7:00 PM	0	0	0	0	15	14	29		0	0	0	0	30	50	80		0	0	0	0	13	13	26		0	0	0	0	53	19	72		207
7:15 PM	0	0	0	0	12	23	35		0	0	0	0	26	75	101		0	0	0	0	15	19	34		0	0	0	0	47	24	71		241
Total	0	0	0	0	27	37	64		0	0	0	0	56	125	181		0	0	0	0	28	32	60		0	0	0	0	100	43	143		448
Grand Total	0	0	0	0	178	208	386		0	0	0	0	434	908	1342		0	0	0	0	340	254	594		0	0	0	0	641	289	930		3252
Approach %	0	0	0	0	46.1	53.9		0	0	0	0	32.3	67.7		0	0	0	0	57.2	42.8		0	0	0	0	68.9	31.1						
Total %	0	0	0	0	5.47	6.4	11.9		0	0	0	0	13.3	27.9	41.3		0	0	0	0	10.5	7.81	18.3		0	0	0	0	19.7	8.89	28.6		
Exiting Leg Total	386								1342								594								930							3252	

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Mass Ave								Sydney Street								Mass Ave								Sydney Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:30 PM	0	0	0	0	14	17	31		0	0	0	0	47	88	135		0	0	0	0	38	23	61		0	0	0	0	82	22	104		331
5:45 PM	0	0	0	0	10	20	30		0	0	0	0	38	87	125		0	0	0	0	31	21	52		0	0	0	0	57	38	95		302
6:00 PM	0	0	0	0	17	21	38		0	0	0	0	35	72	107		0	0	0	0	27	15	42		0	0	0	0	53	34	87		274
6:15 PM	0	0	0	0	20	12	32		0	0	0	0	44	72	116		0	0	0	0	22	18	40		0	0	0	0	68	37	105		293
Total Volume	0	0	0	0	61	70	131		0	0	0	0	164	319	483		0	0	0	0	118	77	195		0	0	0	0	260	131	391		1200
% Approach Total	0.0	0.0	0.0	0.0	46.6	53.4		0.0	0.0	0.0	0.0	34.0	66.0		0.0	0.0	0.0	0.0	60.5	39.5		0.0	0.0	0.0	0.0	66.5	33.5						
PHF	0.000	0.000	0.000	0.000	0.763	0.833	0.862		0.000	0.000	0.000	0.000	0.872	0.906	0.894		0.000	0.000	0.000	0.000	0.776	0.837	0.799		0.000	0.000	0.000	0.000	0.793	0.862	0.931		0.906
Entering Leg	0	0	0	0	61	70	131		0	0	0	0	164	319	483		0	0	0	0	118	77	195		0	0	0	0	260	131	391		1200
Exiting Leg	131								483								195								391							1200	
Total	262								966								390								782							2400	

PDI File #: **196890 F**  
 Location: **N: Green Street S: Green Street**  
 Location: **E: Central Sqaure W: River St/ Western Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars and Heavy Vehicles (Combined)**

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	3	83	0	0	86	6	9	12	0	27	0	99	13	3	115	228
7:15 AM	0	0	0	0	0	4	93	0	0	97	11	3	25	0	39	0	112	10	1	123	259
7:30 AM	0	0	0	0	0	0	96	0	0	96	12	12	29	0	53	0	121	13	4	138	287
7:45 AM	0	0	0	0	0	3	111	0	0	114	11	14	17	0	42	0	139	21	3	163	319
<b>Total</b>	0	0	0	0	0	10	383	0	0	393	40	38	83	0	161	0	471	57	11	539	1093
8:00 AM	0	0	0	0	0	3	105	0	0	108	14	12	30	1	57	0	123	14	4	141	306
8:15 AM	0	0	0	0	0	8	99	0	0	107	16	15	30	0	61	0	127	16	7	150	318
8:30 AM	0	0	0	0	0	5	86	0	0	91	28	13	18	0	59	0	113	10	1	124	274
8:45 AM	0	0	0	0	0	7	96	0	0	103	20	17	12	1	50	0	130	21	4	155	308
<b>Total</b>	0	0	0	0	0	23	386	0	0	409	78	57	90	2	227	0	493	61	16	570	1206
9:00 AM	0	0	0	0	0	7	91	0	0	98	9	10	26	0	45	0	121	16	4	141	284
9:15 AM	0	0	0	0	0	4	82	0	0	86	25	13	16	0	54	0	107	17	4	128	268
9:30 AM	0	0	0	0	0	6	78	0	0	84	15	7	27	0	49	0	121	15	7	143	276
9:45 AM	0	0	0	0	0	5	81	0	0	86	25	8	24	0	57	0	112	17	3	132	275
<b>Total</b>	0	0	0	0	0	22	332	0	0	354	74	38	93	0	205	0	461	65	18	544	1103
<b>Grand Total</b>	0	0	0	0	0	55	1101	0	0	1156	192	133	266	2	593	0	1425	183	45	1653	3402
Approach %	0.0	0.0	0.0	0.0		4.8	95.2	0.0	0.0		32.4	22.4	44.9	0.3		0.0	86.2	11.1	2.7		
Total %	0.0	0.0	0.0	0.0	0.0	1.6	32.4	0.0	0.0	34.0	5.6	3.9	7.8	0.1	17.4	0.0	41.9	5.4	1.3	48.6	
Exiting Leg Total	371					1617					2					1412					3402
Cars	0	0	0	0	0	50	1025	0	0	1075	177	124	225	2	528	0	1297	173	45	1515	3118
% Cars	0.0	0.0	0.0	0.0	0.0	90.9	93.1	0.0	0.0	93.0	92.2	93.2	84.6	100.0	89.0	0.0	91.0	94.5	100.0	91.7	91.7
Exiting Leg Total	347					1474					2					1295					3118
Heavy Vehicles	0	0	0	0	0	5	76	0	0	81	15	9	41	0	65	0	128	10	0	138	284
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	9.1	6.9	0.0	0.0	7.0	7.8	6.8	15.4	0.0	11.0	0.0	9.0	5.5	0.0	8.3	8.3
Exiting Leg Total	24					143					0					117					284

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:30 AM	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:30 AM	0	0	0	0	0	0	96	0	0	96	12	12	29	0	53	0	121	13	4	138	287
7:45 AM	0	0	0	0	0	3	111	0	0	114	11	14	17	0	42	0	139	21	3	163	319
8:00 AM	0	0	0	0	0	3	105	0	0	108	14	12	30	1	57	0	123	14	4	141	306
8:15 AM	0	0	0	0	0	8	99	0	0	107	16	15	30	0	61	0	127	16	7	150	318
<b>Total Volume</b>	0	0	0	0	0	14	411	0	0	425	53	53	106	1	213	0	510	64	18	592	1230
% Approach Total	0.0	0.0	0.0	0.0		3.3	96.7	0.0	0.0		24.9	24.9	49.8	0.5		0.0	86.1	10.8	3.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.438	0.926	0.000	0.000	0.932	0.828	0.883	0.883	0.250	0.873	0.000	0.917	0.762	0.643	0.908	0.964
Cars	0	0	0	0	0	14	390	0	0	404	49	49	95	1	194	0	475	62	18	555	1153
Cars %	0.0	0.0	0.0	0.0	0.0	100.0	94.9	0.0	0.0	95.1	92.5	92.5	89.6	100.0	91.1	0.0	93.1	96.9	100.0	93.8	93.7
Heavy Vehicles	0	0	0	0	0	0	21	0	0	21	4	4	11	0	19	0	35	2	0	37	77
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	4.9	7.5	7.5	10.4	0.0	8.9	0.0	6.9	3.1	0.0	6.3	6.3
Cars Enter Leg	0	0	0	0	0	14	390	0	0	404	49	49	95	1	194	0	475	62	18	555	1153
Heavy Enter Leg	0	0	0	0	0	0	21	0	0	21	4	4	11	0	19	0	35	2	0	37	77
<b>Total Entering Leg</b>	0	0	0	0	0	14	411	0	0	425	53	53	106	1	213	0	510	64	18	592	1230
Cars Exiting Leg	125					524					1					503					1153
Heavy Exiting Leg	6					39					0					32					77
<b>Total Exiting Leg</b>	131					563					1					535					1230

PDI File #: **196890 F**  
 Location: **N: Green Street S: Green Street**  
 Location: **E: Central Sqaure W: River St/ Western Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Cars**

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	0	0	0	3	79	0	0	82	6	8	8	0	22	0	91	13	3	107	211					
7:15 AM	0	0	0	0	0	4	85	0	0	89	10	2	22	0	34	0	105	9	1	115	238					
7:30 AM	0	0	0	0	0	0	94	0	0	94	11	12	27	0	50	0	111	12	4	127	271					
7:45 AM	0	0	0	0	0	3	109	0	0	112	11	14	16	0	41	0	130	20	3	153	306					
<b>Total</b>	0	0	0	0	0	10	367	0	0	377	38	36	73	0	147	0	437	54	11	502	1026					
8:00 AM	0	0	0	0	0	3	96	0	0	99	11	10	26	1	48	0	115	14	4	133	280					
8:15 AM	0	0	0	0	0	8	91	0	0	99	16	13	26	0	55	0	119	16	7	142	296					
8:30 AM	0	0	0	0	0	3	77	0	0	80	25	12	13	0	50	0	99	9	1	109	239					
8:45 AM	0	0	0	0	0	7	92	0	0	99	20	17	9	1	47	0	117	20	4	141	287					
<b>Total</b>	0	0	0	0	0	21	356	0	0	377	72	52	74	2	200	0	450	59	16	525	1102					
9:00 AM	0	0	0	0	0	6	82	0	0	88	7	10	22	0	39	0	109	14	4	127	254					
9:15 AM	0	0	0	0	0	4	76	0	0	80	24	13	13	0	50	0	95	15	4	114	244					
9:30 AM	0	0	0	0	0	5	71	0	0	76	13	6	23	0	42	0	104	14	7	125	243					
9:45 AM	0	0	0	0	0	4	73	0	0	77	23	7	20	0	50	0	102	17	3	122	249					
<b>Total</b>	0	0	0	0	0	19	302	0	0	321	67	36	78	0	181	0	410	60	18	488	990					
Grand Total	0	0	0	0	0	50	1025	0	0	1075	177	124	225	2	528	0	1297	173	45	1515	3118					
Approach %	0.0	0.0	0.0	0.0		4.7	95.3	0.0	0.0		33.5	23.5	42.6	0.4		0.0	85.6	11.4	3.0							
Total %	0.0	0.0	0.0	0.0	0.0	1.6	32.9	0.0	0.0	34.5	5.7	4.0	7.2	0.1	16.9	0.0	41.6	5.5	1.4	48.6						
Exiting Leg Total						347					1474					2					1295					3118

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:30 AM	0	0	0	0	0	0	94	0	0	94	11	12	27	0	50	0	111	12	4	127	271					
7:45 AM	0	0	0	0	0	3	109	0	0	112	11	14	16	0	41	0	130	20	3	153	306					
8:00 AM	0	0	0	0	0	3	96	0	0	99	11	10	26	1	48	0	115	14	4	133	280					
8:15 AM	0	0	0	0	0	8	91	0	0	99	16	13	26	0	55	0	119	16	7	142	296					
<b>Total Volume</b>	0	0	0	0	0	14	390	0	0	404	49	49	95	1	194	0	475	62	18	555	1153					
% Approach Total	0.0	0.0	0.0	0.0		3.5	96.5	0.0	0.0		25.3	25.3	49.0	0.5		0.0	85.6	11.2	3.2							
PHF	0.000	0.000	0.000	0.000	0.000	0.438	0.894	0.000	0.000	0.902	0.766	0.875	0.880	0.250	0.882	0.000	0.913	0.775	0.643	0.907	0.942					
Entering Leg	0	0	0	0	0	14	390	0	0	404	49	49	95	1	194	0	475	62	18	555	1153					
Exiting Leg						125					524					1					503					1153
<b>Total</b>						125					928					195					1058					2306

PDI File #: **196890 F**  
 Location: **N: Green Street S: Green Street**  
 Location: **E: Central Sqaure W: River St/ Western Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class: **Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**



	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	4	0	0	4	0	1	4	0	5	0	8	0	0	8	17
7:15 AM	0	0	0	0	0	0	8	0	0	8	1	1	3	0	5	0	7	1	0	8	21
7:30 AM	0	0	0	0	0	0	2	0	0	2	1	0	2	0	3	0	10	1	0	11	16
7:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	9	1	0	10	13
<b>Total</b>	0	0	0	0	0	0	16	0	0	16	2	2	10	0	14	0	34	3	0	37	67
8:00 AM	0	0	0	0	0	0	9	0	0	9	3	2	4	0	9	0	8	0	0	8	26
8:15 AM	0	0	0	0	0	0	8	0	0	8	0	2	4	0	6	0	8	0	0	8	22
8:30 AM	0	0	0	0	0	2	9	0	0	11	3	1	5	0	9	0	14	1	0	15	35
8:45 AM	0	0	0	0	0	0	4	0	0	4	0	0	3	0	3	0	13	1	0	14	21
<b>Total</b>	0	0	0	0	0	2	30	0	0	32	6	5	16	0	27	0	43	2	0	45	104
9:00 AM	0	0	0	0	0	1	9	0	0	10	2	0	4	0	6	0	12	2	0	14	30
9:15 AM	0	0	0	0	0	0	6	0	0	6	1	0	3	0	4	0	12	2	0	14	24
9:30 AM	0	0	0	0	0	1	7	0	0	8	2	1	4	0	7	0	17	1	0	18	33
9:45 AM	0	0	0	0	0	1	8	0	0	9	2	1	4	0	7	0	10	0	0	10	26
<b>Total</b>	0	0	0	0	0	3	30	0	0	33	7	2	15	0	24	0	51	5	0	56	113
Grand Total	0	0	0	0	0	5	76	0	0	81	15	9	41	0	65	0	128	10	0	138	284
Approach %	0.0	0.0	0.0	0.0		6.2	93.8	0.0	0.0		23.1	13.8	63.1	0.0		0.0	92.8	7.2	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	1.8	26.8	0.0	0.0	28.5	5.3	3.2	14.4	0.0	22.9	0.0	45.1	3.5	0.0	48.6	
Exiting Leg Total	24					143					0					117					284
Buses	0	0	0	0	0	1	30	0	0	31	7	2	23	0	32	0	49	2	0	51	114
% Buses	0.0	0.0	0.0	0.0	0.0	20.0	39.5	0.0	0.0	38.3	46.7	22.2	56.1	0.0	49.2	0.0	38.3	20.0	0.0	37.0	40.1
Exiting Leg Total	5					56					0					53					114
Single-Unit Trucks	0	0	0	0	0	4	42	0	0	46	7	7	16	0	30	0	62	8	0	70	146
% Single-Unit	0.0	0.0	0.0	0.0	0.0	80.0	55.3	0.0	0.0	56.8	46.7	77.8	39.0	0.0	46.2	0.0	48.4	80.0	0.0	50.7	51.4
Exiting Leg Total	19					69					0					58					146
Articulated Trucks	0	0	0	0	0	0	4	0	0	4	1	0	2	0	3	0	17	0	0	17	24
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	4.9	6.7	0.0	4.9	0.0	4.6	0.0	13.3	0.0	0.0	12.3	8.5
Exiting Leg Total	0					18					0					6					24

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	0	0	0	0	1	9	0	0	10	2	0	4	0	6	0	12	2	0	14	30
9:15 AM	0	0	0	0	0	0	6	0	0	6	1	0	3	0	4	0	12	2	0	14	24
9:30 AM	0	0	0	0	0	1	7	0	0	8	2	1	4	0	7	0	17	1	0	18	33
9:45 AM	0	0	0	0	0	1	8	0	0	9	2	1	4	0	7	0	10	0	0	10	26
<b>Total Volume</b>	0	0	0	0	0	3	30	0	0	33	7	2	15	0	24	0	51	5	0	56	113
% Approach Total	0.0	0.0	0.0	0.0		9.1	90.9	0.0	0.0		29.2	8.3	62.5	0.0		0.0	91.1	8.9	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.750	0.833	0.000	0.000	0.825	0.875	0.500	0.938	0.000	0.857	0.000	0.750	0.625	0.000	0.778	0.856
Buses	0	0	0	0	0	1	8	0	0	9	4	1	6	0	11	0	13	0	0	13	33
Buses %	0.0	0.0	0.0	0.0	0.0	33.3	26.7	0.0	0.0	27.3	57.1	50.0	40.0	0.0	45.8	0.0	25.5	0.0	0.0	23.2	29.2
Single-Unit Trucks	0	0	0	0	0	2	19	0	0	21	2	1	9	0	12	0	30	5	0	35	68
Single-Unit %	0.0	0.0	0.0	0.0	0.0	66.7	63.3	0.0	0.0	63.6	28.6	50.0	60.0	0.0	50.0	0.0	58.8	100.0	0.0	62.5	60.2
Articulated Trucks	0	0	0	0	0	0	3	0	0	3	1	0	0	0	1	0	8	0	0	8	12
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	9.1	14.3	0.0	0.0	0.0	4.2	0.0	15.7	0.0	0.0	14.3	10.6
Buses	0	0	0	0	0	1	8	0	0	9	4	1	6	0	11	0	13	0	0	13	33
Single-Unit Trucks	0	0	0	0	0	2	19	0	0	21	2	1	9	0	12	0	30	5	0	35	68
Articulated Trucks	0	0	0	0	0	0	3	0	0	3	1	0	0	0	1	0	8	0	0	8	12
<b>Total Entering Leg</b>	0	0	0	0	0	3	30	0	0	33	7	2	15	0	24	0	51	5	0	56	113
Buses	2					17					0					14					33
Single-Unit Trucks	8					32					0					28					68
Articulated Trucks	0					9					0					3					12
<b>Total Exiting Leg</b>	10					58					0					45					113



PDI File #: **196890 F**  
 Location: **N: Green Street S: Green Street**  
 Location: **E: Central Sqaure W: River St/ Western Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Buses**

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	2	0	0	2	0	0	3	0	3	0	3	0	0	3	8
7:15 AM	0	0	0	0	0	0	4	0	0	4	0	0	2	0	2	0	3	0	0	3	9
7:30 AM	0	0	0	0	0	0	2	0	0	2	1	0	1	0	2	0	5	1	0	6	10
7:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	4	0	0	4	6
<b>Total</b>	0	0	0	0	0	0	9	0	0	9	1	0	7	0	8	0	15	1	0	16	33
8:00 AM	0	0	0	0	0	0	4	0	0	4	1	1	3	0	5	0	3	0	0	3	12
8:15 AM	0	0	0	0	0	0	3	0	0	3	0	0	2	0	2	0	3	0	0	3	8
8:30 AM	0	0	0	0	0	0	4	0	0	4	1	0	2	0	3	0	7	1	0	8	15
8:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	3	0	3	0	8	0	0	8	13
<b>Total</b>	0	0	0	0	0	0	13	0	0	13	2	1	10	0	13	0	21	1	0	22	48
9:00 AM	0	0	0	0	0	0	1	0	0	1	1	0	1	0	2	0	5	0	0	5	8
9:15 AM	0	0	0	0	0	0	3	0	0	3	1	0	1	0	2	0	3	0	0	3	8
9:30 AM	0	0	0	0	0	0	3	0	0	3	2	1	1	0	4	0	3	0	0	3	10
9:45 AM	0	0	0	0	0	1	1	0	0	2	0	0	3	0	3	0	2	0	0	2	7
<b>Total</b>	0	0	0	0	0	1	8	0	0	9	4	1	6	0	11	0	13	0	0	13	33
<b>Grand Total</b>	0	0	0	0	0	1	30	0	0	31	7	2	23	0	32	0	49	2	0	51	114
Approach %	0.0	0.0	0.0	0.0		3.2	96.8	0.0	0.0		21.9	6.3	71.9	0.0		0.0	96.1	3.9	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.9	26.3	0.0	0.0	27.2	6.1	1.8	20.2	0.0	28.1	0.0	43.0	1.8	0.0	44.7	
Exiting Leg Total						5						56						0	53	114	

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

8:00 AM	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total				
	from North					from East					from South					from West									
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total					
8:00 AM	0	0	0	0	0	0	4	0	0	4	1	1	3	0	5	0	3	0	0	3	12				
8:15 AM	0	0	0	0	0	0	3	0	0	3	0	0	2	0	2	0	3	0	0	3	8				
8:30 AM	0	0	0	0	0	0	4	0	0	4	1	0	2	0	3	0	7	1	0	8	15				
8:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	3	0	3	0	8	0	0	8	13				
<b>Total Volume</b>	0	0	0	0	0	0	13	0	0	13	2	1	10	0	13	0	21	1	0	22	48				
<b>% Approach Total</b>	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		15.4	7.7	76.9	0.0		0.0	95.5	4.5	0.0						
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.813	0.000	0.000	0.813	0.500	0.250	0.833	0.000	0.650	0.000	0.656	0.250	0.000	0.688	0.800				
Entering Leg	0	0	0	0	0	0	13	0	0	13	2	1	10	0	13	0	21	1	0	22	48				
Exiting Leg						2						23						0	23	48					
<b>Total</b>						2						36						13						45	96

PDI File #: **196890 F**  
 Location: **N: Green Street S: Green Street**  
 Location: **E: Central Sqaure W: River St/ Western Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Single-Unit Trucks**

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
7:00 AM	0	0	0	0	0	0	2	0	0	2	0	1	1	0	2	0	3	0	0	3	7	
7:15 AM	0	0	0	0	0	0	4	0	0	4	1	1	1	0	3	0	4	1	0	5	12	
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	3	0	0	3	4	
7:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4	1	0	5	6	
<b>Total</b>	0	0	0	0	0	0	7	0	0	7	1	2	3	0	6	0	14	2	0	16	29	
8:00 AM	0	0	0	0	0	0	5	0	0	5	2	1	0	0	3	0	4	0	0	4	12	
8:15 AM	0	0	0	0	0	0	5	0	0	5	0	2	1	0	3	0	4	0	0	4	12	
8:30 AM	0	0	0	0	0	2	5	0	0	7	2	1	3	0	6	0	5	0	0	5	18	
8:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	5	1	0	6	7	
<b>Total</b>	0	0	0	0	0	2	16	0	0	18	4	4	4	0	12	0	18	1	0	19	49	
9:00 AM	0	0	0	0	0	1	7	0	0	8	1	0	3	0	4	0	6	2	0	8	20	
9:15 AM	0	0	0	0	0	0	3	0	0	3	0	0	2	0	2	0	9	2	0	11	16	
9:30 AM	0	0	0	0	0	1	3	0	0	4	0	0	3	0	3	0	9	1	0	10	17	
9:45 AM	0	0	0	0	0	0	6	0	0	6	1	1	1	0	3	0	6	0	0	6	15	
<b>Total</b>	0	0	0	0	0	2	19	0	0	21	2	1	9	0	12	0	30	5	0	35	68	
<b>Grand Total</b>	0	0	0	0	0	4	42	0	0	46	7	7	16	0	30	0	62	8	0	70	146	
Approach %	0.0	0.0	0.0	0.0		8.7	91.3	0.0	0.0		23.3	23.3	53.3	0.0		0.0	88.6	11.4	0.0			
Total %	0.0	0.0	0.0	0.0	0.0	2.7	28.8	0.0	0.0	31.5	4.8	4.8	11.0	0.0	20.5	0.0	42.5	5.5	0.0	47.9		
Exiting Leg Total						19					69					0					58	146

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
9:00 AM	0	0	0	0	0	1	7	0	0	8	1	0	3	0	4	0	6	2	0	8	20	
9:15 AM	0	0	0	0	0	0	3	0	0	3	0	0	2	0	2	0	9	2	0	11	16	
9:30 AM	0	0	0	0	0	1	3	0	0	4	0	0	3	0	3	0	9	1	0	10	17	
9:45 AM	0	0	0	0	0	0	6	0	0	6	1	1	1	0	3	0	6	0	0	6	15	
<b>Total Volume</b>	0	0	0	0	0	2	19	0	0	21	2	1	9	0	12	0	30	5	0	35	68	
% Approach Total	0.0	0.0	0.0	0.0		9.5	90.5	0.0	0.0		16.7	8.3	75.0	0.0		0.0	85.7	14.3	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.500	0.679	0.000	0.000	0.656	0.500	0.250	0.750	0.000	0.750	0.000	0.833	0.625	0.000	0.795	0.850	
Entering Leg	0	0	0	0	0	2	19	0	0	21	2	1	9	0	12	0	30	5	0	35	68	
Exiting Leg						8					32					0					28	68
<b>Total</b>						8					53					12					63	136

PDI File #: **196890 F**  
 Location: **N: Green Street S: Green Street**  
 Location: **E: Central Sqaure W: River St/ Western Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Articulated Trucks**

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	2
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	2
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
8:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	0	0	0	0	0	0	1	0	0	1	0	0	2	0	2	0	4	0	0	4	7
9:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	5	0	0	5	6
9:45 AM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	2	0	0	2	4
<b>Total</b>	0	0	0	0	0	0	3	0	0	3	1	0	0	0	1	0	8	0	0	8	12
<b>Grand Total</b>	0	0	0	0	0	0	4	0	0	4	1	0	2	0	3	0	17	0	0	17	24
Approach %	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		33.3	0.0	66.7	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	16.7	4.2	0.0	8.3	0.0	12.5	0.0	70.8	0.0	0.0	70.8	
Exiting Leg Total	0					18					0					6					24

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	5	0	0	5	6
9:45 AM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	2	0	0	2	4
<b>Total Volume</b>	0	0	0	0	0	0	3	0	0	3	1	0	0	0	1	0	8	0	0	8	12
<b>% Approach Total</b>	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.750	0.250	0.000	0.000	0.000	0.250	0.000	0.400	0.000	0.000	0.400	0.500
Entering Leg	0	0	0	0	0	0	3	0	0	3	1	0	0	0	1	0	8	0	0	8	12
Exiting Leg	0					9					0					3					12
<b>Total</b>	0					12					1					11					24

PDI File #: 196890 F  
 Location: N: Green Street S: Green Street  
 Location: E: Central Square W: River St/ Western Ave  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Bicycles (on Roadway and Crosswalks)**

	Green Street								Central Square								Green Street								River St/ Western Ave								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
7:00 AM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	1	0	0	1	1	3	0	2	0	0	0	0	2	7		
7:15 AM	0	0	0	0	0	0	0	0	0	6	0	0	1	0	7	0	1	1	0	0	0	0	2	0	1	0	0	0	0	1	10		
7:30 AM	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	4		
7:45 AM	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	1	0	0	0	0	1	2	0	6	1	0	0	0	7	11		
Total	0	0	0	0	0	0	0	0	0	13	0	0	1	0	14	0	3	2	0	1	2	8	0	9	1	0	0	0	10	32			
8:00 AM	1	0	0	0	0	0	1	1	4	0	0	0	3	8	0	3	3	0	0	0	0	6	0	3	0	0	0	0	3	18			
8:15 AM	0	0	0	0	0	0	0	0	2	0	0	0	1	3	0	4	1	0	0	0	0	5	0	4	1	0	0	0	5	13			
8:30 AM	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	1	1	0	0	0	0	2	0	7	0	0	0	0	7	12			
8:45 AM	0	0	1	0	2	0	3	0	6	0	0	2	0	8	1	3	0	0	0	0	0	4	0	9	0	0	0	0	9	24			
Total	1	0	1	0	2	0	4	1	15	0	0	2	4	22	1	11	5	0	0	0	0	17	0	23	1	0	0	0	24	67			
9:00 AM	1	0	0	0	0	0	1	0	1	0	0	0	1	2	0	1	0	0	0	0	0	1	0	7	0	0	0	0	7	11			
9:15 AM	0	0	0	0	1	0	1	0	7	0	0	0	1	8	0	3	0	0	0	0	0	3	0	7	0	0	0	0	7	19			
9:30 AM	0	0	0	0	1	0	1	1	10	0	0	1	0	12	1	2	0	0	0	0	1	4	1	4	0	0	0	0	5	22			
9:45 AM	0	0	0	0	0	0	0	0	3	0	0	0	1	4	0	2	0	0	0	0	0	2	1	8	0	0	0	0	9	15			
Total	1	0	0	0	2	0	3	1	21	0	0	1	3	26	1	8	0	0	0	0	1	10	2	26	0	0	0	0	28	67			
Grand Total	2	0	1	0	4	0	7	2	49	0	0	4	7	62	2	22	7	0	1	3	35	2	58	2	0	0	0	62	166				
Approach %	28.6	0.0	14.3	0.0	57.1	0.0		3.2	79.0	0.0	0.0	6.5	11.3		5.7	62.9	20.0	0.0	2.9	8.6		3.2	93.5	3.2	0.0	0.0	0.0						
Total %	1.2	0.0	0.6	0.0	2.4	0.0	4.2	1.2	29.5	0.0	0.0	2.4	4.2	37.3	1.2	13.3	4.2	0.0	0.6	1.8	21.1	1.2	34.9	1.2	0.0	0.0	0.0	37.3					
Exiting Leg Total	30							72							6							58							166				

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Green Street								Central Square								Green Street								River St/ Western Ave								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
8:45 AM	0	0	1	0	2	0	3	0	6	0	0	2	0	8	1	3	0	0	0	0	4	0	9	0	0	0	0	9	24				
9:00 AM	1	0	0	0	0	0	1	0	1	0	0	0	1	2	0	1	0	0	0	0	1	0	7	0	0	0	0	7	11				
9:15 AM	0	0	0	0	1	0	1	0	7	0	0	0	1	8	0	3	0	0	0	0	3	0	7	0	0	0	0	7	19				
9:30 AM	0	0	0	0	1	0	1	1	10	0	0	1	0	12	1	2	0	0	0	0	1	4	1	4	0	0	0	5	22				
Total Volume	1	0	1	0	4	0	6	1	24	0	0	3	2	30	2	9	0	0	0	1	12	1	27	0	0	0	0	28	76				
% Approach Total	16.7	0.0	16.7	0.0	66.7	0.0		3.3	80.0	0.0	0.0	10.0	6.7		16.7	75.0	0.0	0.0	0.0	8.3		3.6	96.4	0.0	0.0	0.0	0.0						
PHF	0.250	0.000	0.250	0.000	0.500	0.000	0.500	0.250	0.600	0.000	0.000	0.375	0.500	0.625	0.500	0.750	0.000	0.000	0.000	0.250	0.750	0.250	0.750	0.000	0.000	0.000	0.000	0.778	0.792				
Entering Leg	1	0	1	0	4	0	6	1	24	0	0	3	2	30	2	9	0	0	0	1	12	1	27	0	0	0	0	28	76				
Exiting Leg	14							35							2							25							76				
Total	20							65							14							53							152				

PDI File #: 196890 F  
 Location: N: Green Street S: Green Street  
 Location: E: Central Sqaure W: River St/ Western Ave  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Pedestrians**

	Green Street							Central Sqaure							Green Street							River St/ Western Ave							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	9	10	19	0	0	0	0	6	5	11	0	0	0	0	17	10	27	0	0	0	0	4	0	4	61
7:15 AM	0	0	0	0	32	10	42	0	0	0	0	5	5	10	0	0	0	0	32	14	46	0	0	0	0	5	1	6	104
7:30 AM	0	0	0	0	24	28	52	0	0	0	0	4	3	7	0	0	0	0	22	14	36	0	0	0	0	4	1	5	100
7:45 AM	0	0	0	0	48	14	62	0	0	0	0	4	3	7	0	0	0	0	24	7	31	0	0	0	0	4	4	8	108
Total	0	0	0	0	113	62	175	0	0	0	0	19	16	35	0	0	0	0	95	45	140	0	0	0	0	17	6	23	373
8:00 AM	0	0	0	0	61	22	83	0	0	0	0	8	3	11	0	0	0	0	42	12	54	0	0	0	0	3	4	7	155
8:15 AM	0	0	0	0	57	22	79	0	0	0	0	8	8	16	0	0	0	0	35	14	49	0	0	0	0	10	1	11	155
8:30 AM	0	0	0	0	55	32	87	0	0	0	0	8	9	17	0	0	0	0	43	16	59	0	0	0	0	9	3	12	175
8:45 AM	0	0	0	0	40	26	66	0	0	0	0	5	2	7	0	0	0	0	38	17	55	0	0	0	0	8	2	10	138
Total	0	0	0	0	213	102	315	0	0	0	0	29	22	51	0	0	0	0	158	59	217	0	0	0	0	30	10	40	623
9:00 AM	0	0	0	0	32	19	51	0	0	0	0	11	6	17	0	0	0	0	42	25	67	0	0	0	0	18	2	20	155
9:15 AM	0	0	0	0	31	18	49	0	0	0	0	5	9	14	0	0	0	0	34	13	47	0	0	0	0	5	1	6	116
9:30 AM	0	0	0	0	35	7	42	0	0	0	0	4	3	7	0	0	0	0	26	12	38	0	0	0	0	9	3	12	99
9:45 AM	0	0	0	0	25	16	41	0	0	0	0	8	3	11	0	0	0	0	26	5	31	0	0	0	0	5	1	6	89
Total	0	0	0	0	123	60	183	0	0	0	0	28	21	49	0	0	0	0	128	55	183	0	0	0	0	37	7	44	459
Grand Total	0	0	0	0	449	224	673	0	0	0	0	76	59	135	0	0	0	0	381	159	540	0	0	0	0	84	23	107	1455
Approach %	0	0	0	0	66.7	33.3		0	0	0	0	56.3	43.7		0	0	0	0	70.6	29.4		0	0	0	0	78.5	21.5		
Total %	0	0	0	0	30.9	15.4	46.3	0	0	0	0	5.22	4.05	9.28	0	0	0	0	26.2	10.9	37.1	0	0	0	0	5.77	1.58	7.35	
Exiting Leg Total	673							135							540							107							1455

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Green Street							Central Sqaure							Green Street							River St/ Western Ave							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
8:00 AM	0	0	0	0	61	22	83	0	0	0	0	8	3	11	0	0	0	0	42	12	54	0	0	0	0	3	4	7	155
8:15 AM	0	0	0	0	57	22	79	0	0	0	0	8	8	16	0	0	0	0	35	14	49	0	0	0	0	10	1	11	155
8:30 AM	0	0	0	0	55	32	87	0	0	0	0	8	9	17	0	0	0	0	43	16	59	0	0	0	0	9	3	12	175
8:45 AM	0	0	0	0	40	26	66	0	0	0	0	5	2	7	0	0	0	0	38	17	55	0	0	0	0	8	2	10	138
Total Volume	0	0	0	0	213	102	315	0	0	0	0	29	22	51	0	0	0	0	158	59	217	0	0	0	0	30	10	40	623
% Approach Total	0.0	0.0	0.0	0.0	67.6	32.4		0.0	0.0	0.0	0.0	56.9	43.1		0.0	0.0	0.0	0.0	72.8	27.2		0.0	0.0	0.0	0.0	75.0	25.0		
PHF	0.000	0.000	0.000	0.000	0.873	0.797	0.905	0.000	0.000	0.000	0.000	0.906	0.611	0.750	0.000	0.000	0.000	0.000	0.919	0.868	0.919	0.000	0.000	0.000	0.000	0.750	0.625	0.833	0.890
Entering Leg	0	0	0	0	213	102	315	0	0	0	0	29	22	51	0	0	0	0	158	59	217	0	0	0	0	30	10	40	623
Exiting Leg	315							51							217							40							623
Total	630							102							434							80							1246

PDI File #: **196890 FF**  
 Location: **N: Green Street S: Green Street**  
 Location: **E: Central Sqaure W: River St/ Western Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Cars and Heavy Vehicles (Combined)**

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	5	100	0	0	105	10	20	35	0	65	0	134	25	6	165	335
4:45 PM	0	0	0	0	0	10	100	0	0	110	18	31	39	0	88	0	123	28	6	157	355
Total	0	0	0	0	0	15	200	0	0	215	28	51	74	0	153	0	257	53	12	322	690
5:00 PM	0	0	0	0	0	4	103	0	0	107	13	26	42	0	81	0	118	31	9	158	346
5:15 PM	0	0	0	0	0	1	103	0	0	104	20	27	48	0	95	0	104	42	6	152	351
5:30 PM	0	0	0	0	0	6	95	0	0	101	10	23	26	0	59	0	125	20	9	154	314
5:45 PM	0	0	0	0	0	3	100	0	0	103	9	30	37	0	76	0	130	28	4	162	341
Total	0	0	0	0	0	14	401	0	0	415	52	106	153	0	311	0	477	121	28	626	1352
6:00 PM	0	0	0	0	0	8	100	0	0	108	8	31	23	0	62	0	115	31	9	155	325
6:15 PM	0	0	0	0	0	10	94	0	0	104	7	24	34	0	65	0	120	25	4	149	318
6:30 PM	0	0	0	0	0	8	98	0	0	106	13	22	35	0	70	0	121	17	4	142	318
6:45 PM	0	0	0	0	0	5	109	0	1	115	15	30	37	0	82	0	123	19	3	145	342
Total	0	0	0	0	0	31	401	0	1	433	43	107	129	0	279	0	479	92	20	591	1303
7:00 PM	0	0	0	0	0	5	103	0	0	108	12	14	38	0	64	0	111	23	4	138	310
7:15 PM	0	0	0	0	0	5	96	0	0	101	12	11	31	0	54	0	123	15	2	140	295
Total	0	0	0	0	0	10	199	0	0	209	24	25	69	0	118	0	234	38	6	278	605
Grand Total	0	0	0	0	0	70	1201	0	1	1272	147	289	425	0	861	0	1447	304	66	1817	3950
Approach %	0.0	0.0	0.0	0.0	0.0	5.5	94.4	0.0	0.1		17.1	33.6	49.4	0.0		0.0	79.6	16.7	3.6		
Total %	0.0	0.0	0.0	0.0	0.0	1.8	30.4	0.0	0.0	32.2	3.7	7.3	10.8	0.0	21.8	0.0	36.6	7.7	1.7	46.0	
Exiting Leg Total	663					1595					0					1692					3950
Cars	0	0	0	0	0	66	1169	0	1	1236	139	284	396	0	819	0	1390	299	64	1753	3808
% Cars	0.0	0.0	0.0	0.0	0.0	94.3	97.3	0.0	100.0	97.2	94.6	98.3	93.2	0.0	95.1	0.0	96.1	98.4	97.0	96.5	96.4
Exiting Leg Total	649					1530					0					1629					3808
Heavy Vehicles	0	0	0	0	0	4	32	0	0	36	8	5	29	0	42	0	57	5	2	64	142
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	5.7	2.7	0.0	0.0	2.8	5.4	1.7	6.8	0.0	4.9	0.0	3.9	1.6	3.0	3.5	3.6
Exiting Leg Total	14					65					0					63					142

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	5	100	0	0	105	10	20	35	0	65	0	134	25	6	165	335
4:45 PM	0	0	0	0	0	10	100	0	0	110	18	31	39	0	88	0	123	28	6	157	355
5:00 PM	0	0	0	0	0	4	103	0	0	107	13	26	42	0	81	0	118	31	9	158	346
5:15 PM	0	0	0	0	0	1	103	0	0	104	20	27	48	0	95	0	104	42	6	152	351
Total Volume	0	0	0	0	0	20	406	0	0	426	61	104	164	0	329	0	479	126	27	632	1387
% Approach Total	0.0	0.0	0.0	0.0	0.0	4.7	95.3	0.0	0.0		18.5	31.6	49.8	0.0		0.0	75.8	19.9	4.3		
PHF	0.000	0.000	0.000	0.000	0.000	0.500	0.985	0.000	0.000	0.968	0.763	0.839	0.854	0.000	0.866	0.000	0.894	0.750	0.750	0.958	0.977
Cars	0	0	0	0	0	19	391	0	0	410	57	101	150	0	308	0	466	124	26	616	1334
Cars %	0.0	0.0	0.0	0.0	0.0	95.0	96.3	0.0	0.0	96.2	93.4	97.1	91.5	0.0	93.6	0.0	97.3	98.4	96.3	97.5	96.2
Heavy Vehicles	0	0	0	0	0	1	15	0	0	16	4	3	14	0	21	0	13	2	1	16	53
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	5.0	3.7	0.0	0.0	3.8	6.6	2.9	8.5	0.0	6.4	0.0	2.7	1.6	3.7	2.5	3.8
Cars Enter Leg	0	0	0	0	0	19	391	0	0	410	57	101	150	0	308	0	466	124	26	616	1334
Heavy Enter Leg	0	0	0	0	0	1	15	0	0	16	4	3	14	0	21	0	13	2	1	16	53
Total Entering Leg	0	0	0	0	0	20	406	0	0	426	61	104	164	0	329	0	479	126	27	632	1387
Cars Exiting Leg	244					523					0					567					1334
Heavy Exiting Leg	6					17					0					30					53
Total Exiting Leg	250					540					0					597					1387

PDI File #: **196890 FF**  
 Location: **N: Green Street S: Green Street**  
 Location: **E: Central Sqaure W: River St/ Western Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars**

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	0	0	0	0	0	4	98	0	0	102	9	20	33	0	62	0	128	24	6	158	322	
4:45 PM	0	0	0	0	0	10	95	0	0	105	17	31	35	0	83	0	121	28	5	154	342	
Total	0	0	0	0	0	14	193	0	0	207	26	51	68	0	145	0	249	52	11	312	664	
5:00 PM	0	0	0	0	0	4	100	0	0	104	12	23	38	0	73	0	113	30	9	152	329	
5:15 PM	0	0	0	0	0	1	98	0	0	99	19	27	44	0	90	0	104	42	6	152	341	
5:30 PM	0	0	0	0	0	6	94	0	0	100	10	23	24	0	57	0	116	19	8	143	300	
5:45 PM	0	0	0	0	0	3	97	0	0	100	9	29	37	0	75	0	123	28	4	155	330	
Total	0	0	0	0	0	14	389	0	0	403	50	102	143	0	295	0	456	119	27	602	1300	
6:00 PM	0	0	0	0	0	8	99	0	0	107	8	31	22	0	61	0	112	31	9	152	320	
6:15 PM	0	0	0	0	0	9	91	0	0	100	7	24	31	0	62	0	114	25	4	143	305	
6:30 PM	0	0	0	0	0	7	97	0	0	104	12	22	32	0	66	0	117	16	4	137	307	
6:45 PM	0	0	0	0	0	5	105	0	1	111	14	29	37	0	80	0	116	19	3	138	329	
Total	0	0	0	0	0	29	392	0	1	422	41	106	122	0	269	0	459	91	20	570	1261	
7:00 PM	0	0	0	0	0	4	101	0	0	105	12	14	34	0	60	0	106	23	4	133	298	
7:15 PM	0	0	0	0	0	5	94	0	0	99	10	11	29	0	50	0	120	14	2	136	285	
Total	0	0	0	0	0	9	195	0	0	204	22	25	63	0	110	0	226	37	6	269	583	
Grand Total	0	0	0	0	0	66	1169	0	1	1236	139	284	396	0	819	0	1390	299	64	1753	3808	
Approach %	0.0	0.0	0.0	0.0		5.3	94.6	0.0	0.1		17.0	34.7	48.4	0.0		0.0	79.3	17.1	3.7			
Total %	0.0	0.0	0.0	0.0	0.0	1.7	30.7	0.0	0.0	32.5	3.7	7.5	10.4	0.0	21.5	0.0	36.5	7.9	1.7	46.0		
Exiting Leg Total						649					1530					0					1629	3808

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	0	0	0	0	0	4	98	0	0	102	9	20	33	0	62	0	128	24	6	158	322	
4:45 PM	0	0	0	0	0	10	95	0	0	105	17	31	35	0	83	0	121	28	5	154	342	
5:00 PM	0	0	0	0	0	4	100	0	0	104	12	23	38	0	73	0	113	30	9	152	329	
5:15 PM	0	0	0	0	0	1	98	0	0	99	19	27	44	0	90	0	104	42	6	152	341	
Total Volume	0	0	0	0	0	19	391	0	0	410	57	101	150	0	308	0	466	124	26	616	1334	
% Approach Total	0.0	0.0	0.0	0.0		4.6	95.4	0.0	0.0		18.5	32.8	48.7	0.0		0.0	75.6	20.1	4.2			
PHF	0.000	0.000	0.000	0.000	0.000	0.475	0.978	0.000	0.000	0.976	0.750	0.815	0.852	0.000	0.856	0.000	0.910	0.738	0.722	0.975	0.975	
Entering Leg	0	0	0	0	0	19	391	0	0	410	57	101	150	0	308	0	466	124	26	616	1334	
Exiting Leg						244					523					0					567	1334
Total						244					933					308					1183	2668

PDI File #: **196890 FF**  
 Location: **N: Green Street S: Green Street**  
 Location: **E: Central Sqaure W: River St/ Western Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class: **Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**



	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:30 PM	0	0	0	0	0	1	2	0	0	3	1	0	2	0	3	0	6	1	0	7	13	
4:45 PM	0	0	0	0	0	0	5	0	0	5	1	0	4	0	5	0	2	0	1	3	13	
<b>Total</b>	0	0	0	0	0	1	7	0	0	8	2	0	6	0	8	0	8	1	1	10	26	
5:00 PM	0	0	0	0	0	0	3	0	0	3	1	3	4	0	8	0	5	1	0	6	17	
5:15 PM	0	0	0	0	0	0	5	0	0	5	1	0	4	0	5	0	0	0	0	0	10	
5:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	2	0	2	0	9	1	1	11	14	
5:45 PM	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	0	7	0	0	7	11	
<b>Total</b>	0	0	0	0	0	0	12	0	0	12	2	4	10	0	16	0	21	2	1	24	52	
6:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	3	0	0	3	5	
6:15 PM	0	0	0	0	0	1	3	0	0	4	0	0	3	0	3	0	6	0	0	6	13	
6:30 PM	0	0	0	0	0	1	1	0	0	2	1	0	3	0	4	0	4	1	0	5	11	
6:45 PM	0	0	0	0	0	0	4	0	0	4	1	1	0	0	2	0	7	0	0	7	13	
<b>Total</b>	0	0	0	0	0	2	9	0	0	11	2	1	7	0	10	0	20	1	0	21	42	
7:00 PM	0	0	0	0	0	1	2	0	0	3	0	0	4	0	4	0	5	0	0	5	12	
7:15 PM	0	0	0	0	0	0	2	0	0	2	2	0	2	0	4	0	3	1	0	4	10	
<b>Total</b>	0	0	0	0	0	1	4	0	0	5	2	0	6	0	8	0	8	1	0	9	22	
Grand Total	0	0	0	0	0	4	32	0	0	36	8	5	29	0	42	0	57	5	2	64	142	
Approach %	0.0	0.0	0.0	0.0	0.0	11.1	88.9	0.0	0.0		19.0	11.9	69.0	0.0		0.0	89.1	7.8	3.1			
Total %	0.0	0.0	0.0	0.0	0.0	2.8	22.5	0.0	0.0	25.4	5.6	3.5	20.4	0.0	29.6	0.0	40.1	3.5	1.4	45.1		
Exiting Leg Total						14					65					0					63	142
Buses	0	0	0	0	0	0	24	0	0	24	7	1	20	0	28	0	41	0	0	41	93	
% Buses	0.0	0.0	0.0	0.0	0.0	0.0	75.0	0.0	0.0	66.7	87.5	20.0	69.0	0.0	66.7	0.0	71.9	0.0	0.0	64.1	65.5	
Exiting Leg Total						1					48					0					44	93
Single-Unit Trucks	0	0	0	0	0	4	7	0	0	11	1	4	7	0	12	0	14	5	2	21	44	
% Single-Unit	0.0	0.0	0.0	0.0	0.0	100.0	21.9	0.0	0.0	30.6	12.5	80.0	24.1	0.0	28.6	0.0	24.6	100.0	100.0	32.8	31.0	
Exiting Leg Total						13					15					0					16	44
Articulated Trucks	0	0	0	0	0	0	1	0	0	1	0	0	2	0	2	0	2	0	0	2	5	
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	2.8	0.0	0.0	6.9	0.0	4.8	0.0	3.5	0.0	0.0	3.1	3.5	
Exiting Leg Total						0					2					0					3	5

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:45 PM	0	0	0	0	0	0	5	0	0	5	1	0	4	0	5	0	2	0	1	3	13	
4:45 PM	0	0	0	0	0	0	3	0	0	3	1	3	4	0	8	0	5	1	0	6	17	
5:00 PM	0	0	0	0	0	0	5	0	0	5	1	0	4	0	5	0	0	0	0	0	10	
5:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	2	0	2	0	9	1	1	11	14	
<b>Total Volume</b>	0	0	0	0	0	0	14	0	0	14	3	3	14	0	20	0	16	2	2	20	54	
<b>% Approach Total</b>	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0		15.0	15.0	70.0	0.0		0.0	80.0	10.0	10.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.700	0.000	0.000	0.700	0.750	0.250	0.875	0.000	0.625	0.000	0.444	0.500	0.500	0.455	0.794	
Buses	0	0	0	0	0	0	10	0	0	10	3	0	9	0	12	0	13	0	0	13	35	
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	71.4	0.0	0.0	71.4	100.0	0.0	64.3	0.0	60.0	0.0	81.3	0.0	0.0	65.0	64.8	
Single-Unit Trucks	0	0	0	0	0	0	3	0	0	3	0	3	4	0	7	0	3	2	2	7	17	
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	21.4	0.0	0.0	21.4	0.0	100.0	28.6	0.0	35.0	0.0	18.8	100.0	100.0	35.0	31.5	
Articulated Trucks	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	2	
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	7.1	0.0	0.0	7.1	0.0	5.0	0.0	0.0	0.0	0.0	0.0	3.7	
Buses	0	0	0	0	0	0	10	0	0	10	3	0	9	0	12	0	13	0	0	13	35	
Single-Unit Trucks	0	0	0	0	0	0	3	0	0	3	0	3	4	0	7	0	3	2	2	7	17	
Articulated Trucks	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	2	
<b>Total Entering Leg</b>	0	0	0	0	0	0	14	0	0	14	3	3	14	0	20	0	16	2	2	20	54	
Buses						0					16					0					19	35
Single-Unit Trucks						5					3					0					9	17
Articulated Trucks						0					0					0					2	2
<b>Total Exiting Leg</b>						5					19					0					30	54



PDI File #: **196890 FF**  
 Location: **N: Green Street S: Green Street**  
 Location: **E: Central Sqaure W: River St/ Western Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Buses**

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	4	0	0	4	6
4:45 PM	0	0	0	0	0	0	5	0	0	5	1	0	3	0	4	0	2	0	0	2	11
Total	0	0	0	0	0	0	5	0	0	5	1	0	5	0	6	0	6	0	0	6	17
5:00 PM	0	0	0	0	0	0	2	0	0	2	1	0	2	0	3	0	4	0	0	4	9
5:15 PM	0	0	0	0	0	0	2	0	0	2	1	0	3	0	4	0	0	0	0	0	6
5:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	7	0	0	7	9
5:45 PM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	6	0	0	6	9
Total	0	0	0	0	0	0	8	0	0	8	2	0	6	0	8	0	17	0	0	17	33
6:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	2	0	0	2	4
6:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	3	0	3	0	4	0	0	4	9
6:30 PM	0	0	0	0	0	0	1	0	0	1	1	0	2	0	3	0	2	0	0	2	6
6:45 PM	0	0	0	0	0	0	3	0	0	3	1	1	0	0	2	0	5	0	0	5	10
Total	0	0	0	0	0	0	7	0	0	7	2	1	6	0	9	0	13	0	0	13	29
7:00 PM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	2	0	0	2	5
7:15 PM	0	0	0	0	0	0	2	0	0	2	2	0	2	0	4	0	3	0	0	3	9
Total	0	0	0	0	0	0	4	0	0	4	2	0	3	0	5	0	5	0	0	5	14
Grand Total	0	0	0	0	0	0	24	0	0	24	7	1	20	0	28	0	41	0	0	41	93
Approach %	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		25.0	3.6	71.4	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	25.8	0.0	0.0	25.8	7.5	1.1	21.5	0.0	30.1	0.0	44.1	0.0	0.0	44.1	
Exiting Leg Total	1					48					0					44					93

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:45 PM	0	0	0	0	0	0	5	0	0	5	1	0	3	0	4	0	2	0	0	2	11
5:00 PM	0	0	0	0	0	0	2	0	0	2	1	0	2	0	3	0	4	0	0	4	9
5:15 PM	0	0	0	0	0	0	2	0	0	2	1	0	3	0	4	0	0	0	0	0	6
5:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	7	0	0	7	9
Total Volume	0	0	0	0	0	0	10	0	0	10	3	0	9	0	12	0	13	0	0	13	35
% Approach Total	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		25.0	0.0	75.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.750	0.000	0.750	0.000	0.750	0.000	0.464	0.000	0.000	0.464	0.795
Entering Leg	0	0	0	0	0	0	10	0	0	10	3	0	9	0	12	0	13	0	0	13	35
Exiting Leg	0					16					0					19					35
Total	0					26					12					32					70

PDI File #: **196890 FF**  
 Location: **N: Green Street S: Green Street**  
 Location: **E: Central Sqaure W: River St/ Western Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Single-Unit Trucks**

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	1	2	0	0	3	1	0	0	0	1	0	2	1	0	3	7
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
Total	0	0	0	0	0	1	2	0	0	3	1	0	0	0	1	0	2	1	1	4	8
5:00 PM	0	0	0	0	0	0	1	0	0	1	0	3	2	0	5	0	1	1	0	2	8
5:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	3
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	1	1	4	5
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
Total	0	0	0	0	0	0	3	0	0	3	0	4	4	0	8	0	4	2	1	7	18
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	1	0	0	1	3
6:30 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2	1	0	3	4
6:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	3
Total	0	0	0	0	0	2	2	0	0	4	0	0	0	0	0	0	6	1	0	7	11
7:00 PM	0	0	0	0	0	1	0	0	0	1	0	0	3	0	3	0	2	0	0	2	6
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Total	0	0	0	0	0	1	0	0	0	1	0	0	3	0	3	0	2	1	0	3	7
Grand Total	0	0	0	0	0	4	7	0	0	11	1	4	7	0	12	0	14	5	2	21	44
Approach %	0.0	0.0	0.0	0.0		36.4	63.6	0.0	0.0		8.3	33.3	58.3	0.0		0.0	66.7	23.8	9.5		
Total %	0.0	0.0	0.0	0.0	0.0	9.1	15.9	0.0	0.0	25.0	2.3	9.1	15.9	0.0	27.3	0.0	31.8	11.4	4.5	47.7	
Exiting Leg Total	13					15					0					16					44

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	1	2	0	0	3	1	0	0	0	1	0	2	1	0	3	7
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
5:00 PM	0	0	0	0	0	0	1	0	0	1	0	3	2	0	5	0	1	1	0	2	8
5:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	3
Total Volume	0	0	0	0	0	1	5	0	0	6	1	3	3	0	7	0	3	2	1	6	19
% Approach Total	0.0	0.0	0.0	0.0		16.7	83.3	0.0	0.0		14.3	42.9	42.9	0.0		0.0	50.0	33.3	16.7		
PHF	0.000	0.000	0.000	0.000	0.000	0.250	0.625	0.000	0.000	0.500	0.250	0.250	0.375	0.000	0.350	0.000	0.375	0.500	0.250	0.500	0.594
Entering Leg	0	0	0	0	0	1	5	0	0	6	1	3	3	0	7	0	3	2	1	6	19
Exiting Leg	6					4					0					9					19
Total	6					10					7					15					38

PDI File #: **196890 FF**  
 Location: **N: Green Street S: Green Street**  
 Location: **E: Central Sqaure W: River St/ Western Ave**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **7:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Articulated Trucks**

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	2
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Grand Total</b>	0	0	0	0	0	0	1	0	0	1	0	0	2	0	2	0	2	0	0	2	5
Approach %	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	100.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	40.0	0.0	40.0	0.0	40.0	0.0	0.0	40.0	
Exiting Leg Total	0					2					0					3					5

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Green Street					Central Sqaure					Green Street					River St/ Western Ave					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Total Volume</b>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	0	2	3
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	100.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.500	0.000	0.000	0.500	0.750
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	0	2	3
Exiting Leg	0					2					0					1					3
<b>Total</b>	0					2					1					3					6

PDI File #: 196890 FF  
 Location: N: Green Street S: Green Street  
 Location: E: Central Sqaure W: River St/ Western Ave  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Bicycles (on Roadway and Crosswalks)**

	Green Street								Central Sqaure								Green Street								River St/ Western Ave								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	6	0	1	0	0	0	0	0	1	0	1	0	0	0	0	1	8	
4:45 PM	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	6	0	0	1	0	0	0	0	1	0	1	0	0	1	0	2	9	
Total	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	12	0	1	1	0	0	0	0	2	0	2	0	0	1	0	3	17	
5:00 PM	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	7	0	2	1	0	1	0	0	4	0	4	0	0	0	2	6	17	
5:15 PM	0	0	0	0	0	0	0	0	0	18	0	0	0	0	1	19	0	4	3	0	0	0	0	7	0	7	0	0	0	0	7	33	
5:30 PM	0	0	0	0	0	1	1	2	17	0	0	0	0	0	19	1	3	2	0	0	0	1	7	0	8	1	0	0	0	9	36		
5:45 PM	0	0	0	0	0	0	0	0	19	0	0	0	0	1	20	0	1	3	0	0	0	0	4	0	3	0	0	0	1	4	28		
Total	0	0	0	0	0	1	1	2	61	0	0	0	2	65	1	10	9	0	1	1	22	0	22	1	0	0	3	26	114				
6:00 PM	0	0	0	0	2	0	2	0	11	0	0	0	1	12	0	6	3	0	1	0	10	0	0	0	0	0	0	0	0	0	24		
6:15 PM	0	0	0	0	0	0	0	1	7	0	0	0	0	8	0	2	0	0	0	0	2	0	2	0	0	0	0	0	0	2	12		
6:30 PM	0	0	0	0	0	1	1	2	11	0	0	0	1	14	0	4	3	0	0	0	7	0	0	1	0	0	0	0	1	23			
6:45 PM	0	0	0	0	0	0	0	1	7	0	0	3	0	11	0	3	0	0	0	1	4	0	3	0	0	0	0	0	3	18			
Total	0	0	0	0	2	1	3	4	36	0	0	3	2	45	0	15	6	0	1	1	23	0	5	1	0	0	0	0	6	77			
7:00 PM	0	0	0	0	0	0	0	0	12	0	0	1	0	13	0	2	1	0	0	1	4	0	4	0	0	0	0	0	4	21			
7:15 PM	0	0	0	0	0	1	1	1	4	0	0	1	0	6	0	2	5	0	0	0	7	0	3	0	0	0	1	4	18				
Total	0	0	0	0	0	1	1	1	16	0	0	2	0	19	0	4	6	0	0	1	11	0	7	0	0	0	1	8	39				
Grand Total	0	0	0	0	2	3	5	7	125	0	0	5	4	141	1	30	22	0	2	3	58	0	36	2	0	1	4	43	247				
Approach %	0.0	0.0	0.0	0.0	40.0	60.0		5.0	88.7	0.0	0.0	3.5	2.8		1.7	51.7	37.9	0.0	3.4	5.2		0.0	83.7	4.7	0.0	2.3	9.3						
Total %	0.0	0.0	0.0	0.0	0.8	1.2	2.0	2.8	50.6	0.0	0.0	2.0	1.6	57.1	0.4	12.1	8.9	0.0	0.8	1.2	23.5	0.0	14.6	0.8	0.0	0.4	1.6	17.4					
Exiting Leg Total	44							46							5							152							247				

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Green Street								Central Sqaure								Green Street								River St/ Western Ave								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:15 PM	0	0	0	0	0	0	0	0	18	0	0	0	1	19	0	4	3	0	0	0	7	0	7	0	0	0	0	7	33				
5:30 PM	0	0	0	0	0	1	1	2	17	0	0	0	0	19	1	3	2	0	0	1	7	0	8	1	0	0	0	9	36				
5:45 PM	0	0	0	0	0	0	0	0	19	0	0	0	0	1	20	0	1	3	0	0	4	0	3	0	0	0	1	4	28				
6:00 PM	0	0	0	0	2	0	2	0	11	0	0	0	1	12	0	6	3	0	1	0	10	0	0	0	0	0	0	0	24				
Total Volume	0	0	0	0	2	1	3	2	65	0	0	0	3	70	1	14	11	0	1	1	28	0	18	1	0	0	1	20	121				
% Approach Total	0.0	0.0	0.0	0.0	66.7	33.3		2.9	92.9	0.0	0.0	0.0	4.3		3.6	50.0	39.3	0.0	3.6	3.6		0.0	90.0	5.0	0.0	0.0	5.0						
PHF	0.000	0.000	0.000	0.000	0.250	0.250	0.375	0.250	0.855	0.000	0.000	0.000	0.750	0.875	0.250	0.583	0.917	0.000	0.250	0.250	0.700	0.000	0.563	0.250	0.000	0.000	0.250	0.556	0.840				
Entering Leg	0	0	0	0	2	1	3	2	65	0	0	0	3	70	1	14	11	0	1	1	28	0	18	1	0	0	1	20	121				
Exiting Leg	20							22							2							77							121				
Total	23							92							30							97							242				

PDI File #: 196890 FF  
 Location: N: Green Street S: Green Street  
 Location: E: Central Sqaure W: River St/ Western Ave  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 7:30 PM  
 Class:



**Pedestrians**

	Green Street							Central Sqaure							Green Street							River St/ Western Ave							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	0	0	0	36	45	81	0	0	0	0	7	12	19	0	0	0	0	13	36	49	0	0	0	0	11	5	16	165
4:45 PM	0	0	0	0	25	33	58	0	0	0	0	11	11	22	0	0	0	0	27	19	46	0	0	0	0	7	8	15	141
Total	0	0	0	0	61	78	139	0	0	0	0	18	23	41	0	0	0	0	40	55	95	0	0	0	0	18	13	31	306
5:00 PM	0	0	0	0	22	43	65	0	0	0	0	10	12	22	0	0	0	0	23	38	61	0	0	0	0	22	14	36	184
5:15 PM	0	0	0	0	22	53	75	0	0	0	0	8	5	13	0	0	0	0	24	47	71	0	0	0	0	15	6	21	180
5:30 PM	0	0	0	0	20	62	82	0	0	0	0	12	17	29	0	0	0	0	24	53	77	0	0	0	0	17	4	21	209
5:45 PM	0	0	0	0	25	57	82	0	0	0	0	8	6	14	0	0	0	0	24	51	75	0	0	0	0	20	2	22	193
Total	0	0	0	0	89	215	304	0	0	0	0	38	40	78	0	0	0	0	95	189	284	0	0	0	0	74	26	100	766
6:00 PM	0	0	0	0	41	76	117	0	0	0	0	11	19	30	0	0	0	0	38	47	85	0	0	0	0	27	19	46	278
6:15 PM	0	0	0	0	31	60	91	0	0	0	0	11	11	22	0	0	0	0	27	40	67	0	0	0	0	20	7	27	207
6:30 PM	0	0	0	0	27	45	72	0	0	0	0	4	15	19	0	0	0	0	37	45	82	0	0	0	0	14	9	23	196
6:45 PM	0	0	0	0	24	57	81	0	0	0	0	3	7	10	0	0	0	0	29	41	70	0	0	0	0	8	14	22	183
Total	0	0	0	0	123	238	361	0	0	0	0	29	52	81	0	0	0	0	131	173	304	0	0	0	0	69	49	118	864
7:00 PM	0	0	0	0	19	56	75	0	0	0	0	12	14	26	0	0	0	0	29	50	79	0	0	0	0	9	9	18	198
7:15 PM	0	0	0	0	17	46	63	0	0	0	0	9	6	15	0	0	0	0	23	32	55	0	0	0	0	11	6	17	150
Total	0	0	0	0	36	102	138	0	0	0	0	21	20	41	0	0	0	0	52	82	134	0	0	0	0	20	15	35	348
Grand Total	0	0	0	0	309	633	942	0	0	0	0	106	135	241	0	0	0	0	318	499	817	0	0	0	0	181	103	284	2284
Approach %	0	0	0	0	32.8	67.2		0	0	0	0	44	56		0	0	0	0	38.9	61.1		0	0	0	0	63.7	36.3		
Total %	0	0	0	0	13.5	27.7	41.2	0	0	0	0	4.64	5.91	10.6	0	0	0	0	13.9	21.8	35.8	0	0	0	0	7.92	4.51	12.4	
Exiting Leg Total	942							241							817							284							2284

Peak Hour Analysis from 04:30 PM to 07:30 PM begins at:

	Green Street							Central Sqaure							Green Street							River St/ Western Ave							Total	
	from North							from East							from South							from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
5:30 PM	0	0	0	0	20	62	82	0	0	0	0	12	17	29	0	0	0	0	24	53	77	0	0	0	0	17	4	21	209	
5:45 PM	0	0	0	0	25	57	82	0	0	0	0	8	6	14	0	0	0	0	24	51	75	0	0	0	0	20	2	22	193	
6:00 PM	0	0	0	0	41	76	117	0	0	0	0	11	19	30	0	0	0	0	38	47	85	0	0	0	0	27	19	46	278	
6:15 PM	0	0	0	0	31	60	91	0	0	0	0	11	11	22	0	0	0	0	27	40	67	0	0	0	0	20	7	27	207	
Total Volume	0	0	0	0	117	255	372	0	0	0	0	42	53	95	0	0	0	0	113	191	304	0	0	0	0	84	32	116	887	
% Approach Total	0.0	0.0	0.0	0.0	31.5	68.5		0.0	0.0	0.0	0.0	44.2	55.8		0.0	0.0	0.0	0.0	37.2	62.8		0.0	0.0	0.0	0.0	72.4	27.6			
PHF	0.000	0.000	0.000	0.000	0.713	0.839	0.795	0.000	0.000	0.000	0.000	0.875	0.697	0.792	0.000	0.000	0.000	0.000	0.743	0.901	0.894	0.000	0.000	0.000	0.000	0.778	0.421	0.630	0.798	
Entering Leg	0	0	0	0	117	255	372	0	0	0	0	42	53	95	0	0	0	0	113	191	304	0	0	0	0	84	32	116	887	
Exiting Leg																													116	887
Total	744							190							608							232							1774	

PDI File #: **196890 M**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars and Heavy Vehicles (Combined)**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	148	1	0	149	0	0	0	0	0	150
7:15 AM	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	119	2	0	121	0	0	0	0	0	126
7:30 AM	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	145	1	0	146	0	0	0	0	0	151
7:45 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	151	3	0	154	0	0	0	0	0	158
<b>Total</b>	0	0	15	0	15	0	0	0	0	0	0	0	0	0	0	0	563	7	0	570	0	0	0	0	0	585
8:00 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	143	4	0	147	0	0	0	0	0	151
8:15 AM	0	0	7	0	7	0	0	0	0	0	0	0	0	0	0	0	176	2	0	178	0	0	0	0	0	185
8:30 AM	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	147	3	0	150	0	0	0	0	0	153
8:45 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	132	5	0	137	0	0	0	0	0	141
<b>Total</b>	0	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	598	14	0	612	0	0	0	0	0	630
9:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	132	2	0	134	0	0	0	0	0	135
9:15 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	125	2	0	127	0	0	0	0	0	128
9:30 AM	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	140	2	0	142	0	0	0	0	0	147
9:45 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	160	1	0	161	0	0	0	0	0	165
<b>Total</b>	0	0	11	0	11	0	0	0	0	0	0	0	0	0	0	0	557	7	0	564	0	0	0	0	0	575
<b>Grand Total</b>	0	0	44	0	44	0	0	0	0	0	0	0	0	0	0	0	1718	28	0	1746	0	0	0	0	0	1790
Approach %	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	98.4	1.6	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	2.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.0	1.6	0.0	97.5	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	28					1762					0					0					1790					
Cars	0	0	44	0	44	0	0	0	0	0	0	0	0	0	0	0	1585	24	0	1609	0	0	0	0	0	1653
% Cars	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.3	85.7	0.0	92.2	0.0	0.0	0.0	0.0	0.0	92.3
Exiting Leg Total	24					1629					0					0					1653					
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	4	0	137	0	0	0	0	0	137
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	14.3	0.0	7.8	0.0	0.0	0.0	0.0	0.0	7.7
Exiting Leg Total	4					133					0					0					137					

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

7:45 AM	Kinnaird Street					River Street					Kinnaird Street					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:45 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	151	3	0	154	0	0	0	0	0	158
8:00 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	143	4	0	147	0	0	0	0	0	151
8:15 AM	0	0	7	0	7	0	0	0	0	0	0	0	0	0	0	0	176	2	0	178	0	0	0	0	0	185
8:30 AM	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	147	3	0	150	0	0	0	0	0	153
<b>Total Volume</b>	0	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	617	12	0	629	0	0	0	0	0	647
% Approach Total	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	98.1	1.9	0.0		0.0	0.0	0.0	0.0	0.0	
PHF	0.000	0.000	0.643	0.000	0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.876	0.750	0.000	0.883	0.000	0.000	0.000	0.000	0.874	
Cars	0	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	578	9	0	587	0	0	0	0	0	605
Cars %	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	93.7	75.0	0.0	93.3	0.0	0.0	0.0	0.0	93.5	
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	3	0	42	0	0	0	0	42	
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	25.0	0.0	6.7	0.0	0.0	0.0	0.0	6.5	
Cars Enter Leg	0	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	578	9	0	587	0	0	0	0	0	605
Heavy Enter Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	3	0	42	0	0	0	0	42	
<b>Total Entering Leg</b>	0	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	617	12	0	629	0	0	0	0	0	647
Cars Exiting Leg	9					596					0					0					605					
Heavy Exiting Leg	3					39					0					0					42					
<b>Total Exiting Leg</b>	12					635					0					0					647					

PDI File #: **196890 M**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	139	0	0	139	140
7:15 AM	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	111	2	0	113	118
7:30 AM	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	135	1	0	136	141
7:45 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	141	2	0	143	147
<b>Total</b>	0	0	15	0	15	0	0	0	0	0	0	0	0	0	0	0	526	5	0	531	546
8:00 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	135	2	0	137	141
8:15 AM	0	0	7	0	7	0	0	0	0	0	0	0	0	0	0	0	164	2	0	166	173
8:30 AM	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	138	3	0	141	144
8:45 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	123	5	0	128	132
<b>Total</b>	0	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	560	12	0	572	590
9:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	118	2	0	120	121
9:15 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	112	2	0	114	115
9:30 AM	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	124	2	0	126	131
9:45 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	145	1	0	146	150
<b>Total</b>	0	0	11	0	11	0	0	0	0	0	0	0	0	0	0	0	499	7	0	506	517
Grand Total	0	0	44	0	44	0	0	0	0	0	0	0	0	0	0	0	1585	24	0	1609	1653
Approach %	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	98.5	1.5	0.0		
Total %	0.0	0.0	2.7	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.9	1.5	0.0	97.3	
Exiting Leg Total						24					1629					0					1653

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:45 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	141	2	0	143	147
8:00 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	135	2	0	137	141
8:15 AM	0	0	7	0	7	0	0	0	0	0	0	0	0	0	0	0	164	2	0	166	173
8:30 AM	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	138	3	0	141	144
<b>Total Volume</b>	0	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	578	9	0	587	605
% Approach Total	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	98.5	1.5	0.0		
PHF	0.000	0.000	0.643	0.000	0.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.881	0.750	0.000	0.884	0.874
Entering Leg	0	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	578	9	0	587	605
Exiting Leg						9					596					0					605
<b>Total</b>						27					596					0					605

PDI File #: **196890 M**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class: **Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1	0	10	10
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	10
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	1	0	11	11
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	2	0	39	39
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	2	0	10	10
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	2	0	40	40
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	13	13
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	16	16
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	15	15
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	58	58
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	4	0	137	137
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	97.1	2.9	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.1	2.9	0.0	100.0	
Exiting Leg Total	4					133					0					0					137
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	3	0	51	51
% Buses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.1	75.0	0.0	37.2	37.2
Exiting Leg Total	3					48					0					0					51
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	1	0	72	72
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.4	25.0	0.0	52.6	52.6
Exiting Leg Total	1					71					0					0					72
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	10.2	10.2
Exiting Leg Total	0					14					0					0					14

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	13	13
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	16	16
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	15	15
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	58	58
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.906	0.000	0.000	0.906	0.906
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	0.0	0.0	24.1	24.1
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0	39	39
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.2	0.0	0.0	67.2	67.2
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	8.6	8.6
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0	39	39
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Total Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	58	58
Buses	0					14					0					0					14
Single-Unit Trucks	0					39					0					0					39
Articulated Trucks	0					5					0					0					5
Total Exiting Leg	0					58					0					0					58



PDI File #: **196890 M**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Buses**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	5	5
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1	0	17	17
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	5	5
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	2	0	20	20
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	3	0	51	51
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	94.1	5.9	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.1	5.9	0.0	100.0	
Exiting Leg Total						3					48					0					51

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

8:00 AM	Kinnaird Street					River Street					Kinnaird Street					River Street					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	5	5	
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4	
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6	
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5	
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	2	0	20	20	
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	90.0	10.0	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.250	0.000	0.833	0.833	
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	2	0	20	20	
Exiting Leg											18					0					20	
Total						2					18					0					20	40

PDI File #: **196890 M**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Single-Unit Trucks**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	5	5
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	1	0	15	15
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	18	18
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	11
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	11
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0	39	39
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	1	0	72	72
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	98.6	1.4	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.6	1.4	0.0	100.0	
Exiting Leg Total						1					71					0					72

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	11
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	11
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0	39	39
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.886	0.000	0.000	0.886	0.886
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0	39	39
Exiting Leg						0					39					0					39
Total						0					39					0					78

PDI File #: **196890 M**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **7:00 AM**  
 End Time: **10:00 AM**  
 Class:



**Articulated Trucks**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	14
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					14					0					0					14

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.583	0.000	0.000	0.583	0.583
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
Exiting Leg	0					7					0					0					7
Total	0					7					0					7					14

PDI File #: 196890 M  
 Location: N: Kinnaird Street S: Kinnaird Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Bicycles (on Roadway and Crosswalks)**

	Kinnaird Street							River Street							Kinnaird Street							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4			
7:30 AM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10			
7:45 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	15			
Total	1	0	1	0	0	0	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	29			
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6			
8:15 AM	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	12			
8:30 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11			
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	7	2	0	2	1	12			
Total	3	0	0	0	0	0	3	0	1	0	0	0	0	1	0	0	0	1	0	1	0	7	2	0	4	41			
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7			
9:15 AM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	6			
9:30 AM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6			
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5			
Total	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24			
Grand Total	4	0	3	0	0	0	7	1	1	0	0	0	0	2	0	0	0	0	1	0	1	0	7	5	94	104			
Approach %	57.1	0.0	42.9	0.0	0.0	0.0		50.0	50.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	100.0	0.0		0.0	77.7	9.6	0.0	7.4	5.3		
Total %	3.8	0.0	2.9	0.0	0.0	0.0	6.7	1.0	1.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	70.2	8.7	0.0	6.7	4.8	90.4	
Exiting Leg Total	10							76							1							17							104

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street							River Street							Kinnaird Street							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:45 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	15			
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6			
8:15 AM	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	12			
8:30 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11			
Total Volume	3	0	0	0	0	0	3	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	44			
% Approach Total	100.0	0.0	0.0	0.0	0.0	0.0		50.0	50.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0		0.0	77.3	11.4	0.0	4.5	6.8		
PHF	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.250	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.773	0.417	0.000	0.250	0.250	0.733	0.766
Entering Leg	3	0	0	0	0	0	3	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	44			
Exiting Leg	6							34							0							9							49
Total	9							36							0							53							98

PDI File #: 196890 M  
 Location: N: Kinnaird Street S: Kinnaird Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 7:00 AM  
 End Time: 10:00 AM  
 Class:



**Pedestrians**

	Kinnaird Street								River Street								Kinnaird Street								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
7:00 AM	0	0	0	0	5	3	8	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	12	0	0	0	0	0	0	0	20		
7:15 AM	0	0	0	0	9	6	15	0	0	0	0	1	0	1	0	0	0	0	0	0	4	8	12	0	0	0	0	1	0	1	29		
7:30 AM	0	0	0	0	9	2	11	0	0	0	0	0	1	1	0	0	0	0	0	0	3	10	13	0	0	0	0	0	0	0	25		
7:45 AM	0	0	0	0	5	4	9	0	0	0	0	3	0	3	0	0	0	0	0	0	4	14	18	0	0	0	0	0	5	5	35		
Total	0	0	0	0	28	15	43	0	0	0	0	4	1	5	0	0	0	0	0	15	40	55	0	0	0	0	1	5	6	109			
8:00 AM	0	0	0	0	6	7	13	0	0	0	0	3	1	4	0	0	0	0	0	4	12	16	0	0	0	0	1	6	7	40			
8:15 AM	0	0	0	0	12	6	18	0	0	0	0	0	3	3	0	0	0	0	0	7	16	23	0	0	0	0	2	1	3	47			
8:30 AM	0	0	0	0	10	1	11	0	0	0	0	2	2	4	0	0	0	0	0	6	15	21	0	0	0	0	3	6	9	45			
8:45 AM	0	0	0	0	8	3	11	0	0	0	0	1	0	1	0	0	0	0	0	3	10	13	0	0	0	0	2	2	4	29			
Total	0	0	0	0	36	17	53	0	0	0	0	6	6	12	0	0	0	0	0	20	53	73	0	0	0	0	8	15	23	161			
9:00 AM	0	0	0	0	6	3	9	0	0	0	0	0	0	0	0	0	0	0	0	6	11	17	0	0	0	0	0	2	2	28			
9:15 AM	0	0	0	0	6	3	9	0	0	0	0	1	1	2	0	0	0	0	0	5	10	15	0	0	0	0	2	0	2	28			
9:30 AM	0	0	0	0	4	2	6	0	0	0	0	2	0	2	0	0	0	0	0	3	8	11	0	0	0	0	0	0	0	19			
9:45 AM	0	0	0	0	9	1	10	0	0	0	0	0	0	0	0	0	0	0	0	5	8	13	0	0	0	0	2	2	4	27			
Total	0	0	0	0	25	9	34	0	0	0	0	3	1	4	0	0	0	0	0	19	37	56	0	0	0	0	4	4	8	102			
Grand Total	0	0	0	0	89	41	130	0	0	0	0	13	8	21	0	0	0	0	0	54	130	184	0	0	0	0	13	24	37	372			
Approach %	0	0	0	0	68.5	31.5		0	0	0	0	61.9	38.1		0	0	0	0	0	29.3	70.7		0	0	0	0	35.1	64.9					
Total %	0	0	0	0	23.9	11	34.9	0	0	0	0	3.49	2.15	5.65	0	0	0	0	0	14.5	34.9	49.5	0	0	0	0	3.49	6.45	9.95				
Exiting Leg Total	130							21							184							37							372				

Peak Hour Analysis from 07:00 AM to 10:00 AM begins at:

	Kinnaird Street								River Street								Kinnaird Street								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
7:45 AM	0	0	0	0	5	4	9	0	0	0	0	3	0	3	0	0	0	0	0	4	14	18	0	0	0	0	0	5	5	35			
8:00 AM	0	0	0	0	6	7	13	0	0	0	0	3	1	4	0	0	0	0	0	4	12	16	0	0	0	0	1	6	7	40			
8:15 AM	0	0	0	0	12	6	18	0	0	0	0	0	3	3	0	0	0	0	0	7	16	23	0	0	0	0	2	1	3	47			
8:30 AM	0	0	0	0	10	1	11	0	0	0	0	2	2	4	0	0	0	0	0	6	15	21	0	0	0	0	3	6	9	45			
Total Volume	0	0	0	0	33	18	51	0	0	0	0	8	6	14	0	0	0	0	0	21	57	78	0	0	0	0	6	18	24	167			
% Approach Total	0.0	0.0	0.0	0.0	64.7	35.3		0.0	0.0	0.0	0.0	57.1	42.9		0.0	0.0	0.0	0.0	0.0	26.9	73.1		0.0	0.0	0.0	0.0	25.0	75.0					
PHF	0.000	0.000	0.000	0.000	0.688	0.643	0.708	0.000	0.000	0.000	0.000	0.667	0.500	0.875	0.000	0.000	0.000	0.000	0.000	0.750	0.891	0.848	0.000	0.000	0.000	0.000	0.500	0.750	0.667	0.888			
Entering Leg	0	0	0	0	33	18	51	0	0	0	0	8	6	14	0	0	0	0	0	21	57	78	0	0	0	0	6	18	24	167			
Exiting Leg	51							14							78							24							167				
Total	102							28							156							48							334				

PDI File #: **196890 MM**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **6:30 PM**  
 Class:



**Cars and Heavy Vehicles (Combined)**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	150	7	0	157	160
4:45 PM	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	133	6	0	139	144
<b>Total</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>283</b>	<b>13</b>	<b>0</b>	<b>296</b>	<b>304</b>
5:00 PM	0	0	5	0	5	1	0	0	0	1	0	0	0	0	0	0	121	4	0	125	131
5:15 PM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	107	6	0	113	115
5:30 PM	0	0	3	0	3	1	0	0	0	1	0	0	0	0	0	0	162	9	0	171	175
5:45 PM	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	150	9	0	159	164
<b>Total</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>540</b>	<b>28</b>	<b>0</b>	<b>568</b>	<b>585</b>
6:00 PM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	161	8	0	169	173
6:15 PM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	130	10	0	140	144
<b>Total</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>540</b>	<b>35</b>	<b>0</b>	<b>575</b>	<b>590</b>
Grand Total	0	0	38	0	38	2	0	0	0	2	0	0	0	0	0	0	1363	76	0	1439	1479
Approach %	0.0	0.0	100.0	0.0		100.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	94.7	5.3	0.0		
Total %	0.0	0.0	2.6	0.0	2.6	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	92.2	5.1	0.0	97.3	
Exiting Leg Total	78					1401					0					0					1479
Cars	0	0	38	0	38	2	0	0	0	2	0	0	0	0	0	0	1307	74	0	1381	1421
% Cars	0.0	0.0	100.0	0.0	100.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	95.9	97.4	0.0	96.0	96.1
Exiting Leg Total	76					1345					0					0					1421
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	2	0	58	58
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.6	0.0	4.0	3.9
Exiting Leg Total	2					56					0					0					58

Peak Hour Analysis from 04:30 PM to 06:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	3	0	3	1	0	0	0	1	0	0	0	0	0	0	162	9	0	171	175
5:45 PM	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	150	9	0	159	164
6:00 PM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	161	8	0	169	173
6:15 PM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	130	10	0	140	144
Total Volume	0	0	16	0	16	1	0	0	0	1	0	0	0	0	0	0	603	36	0	639	656
% Approach Total	0.0	0.0	100.0	0.0		100.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	94.4	5.6	0.0		
PHF	0.000	0.000	0.800	0.000	0.800	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.931	0.900	0.000	0.934	0.937
Cars	0	0	16	0	16	1	0	0	0	1	0	0	0	0	0	0	576	36	0	612	629
Cars %	0.0	0.0	100.0	0.0	100.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	95.5	100.0	0.0	95.8	95.9
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	27	27
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	4.2	4.1
Cars Enter Leg	0	0	16	0	16	1	0	0	0	1	0	0	0	0	0	0	576	36	0	612	629
Heavy Enter Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	27	27
Total Entering Leg	0	0	16	0	16	1	0	0	0	1	0	0	0	0	0	0	603	36	0	639	656
Cars Exiting Leg	37					592					0					0					629
Heavy Exiting Leg	0					27					0					0					27
Total Exiting Leg	37					619					0					0					656

PDI File #: **196890 MM**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **6:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Cars**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	141	7	0	148	151
4:45 PM	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	130	6	0	136	141
<b>Total</b>	0	0	8	0	8	0	0	0	0	0	0	0	0	0	0	0	271	13	0	284	292
5:00 PM	0	0	5	0	5	1	0	0	0	1	0	0	0	0	0	0	117	4	0	121	127
5:15 PM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	107	6	0	113	115
5:30 PM	0	0	3	0	3	1	0	0	0	1	0	0	0	0	0	0	150	9	0	159	163
5:45 PM	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	144	9	0	153	158
<b>Total</b>	0	0	15	0	15	2	0	0	0	2	0	0	0	0	0	0	518	28	0	546	563
6:00 PM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	155	8	0	163	167
6:15 PM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	127	10	0	137	141
<b>Total</b>	0	0	15	0	15	0	0	0	0	0	0	0	0	0	0	0	518	33	0	551	566
Grand Total	0	0	38	0	38	2	0	0	0	2	0	0	0	0	0	0	1307	74	0	1381	1421
Approach %	0.0	0.0	100.0	0.0		100.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	94.6	5.4	0.0		
Total %	0.0	0.0	2.7	0.0	2.7	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	92.0	5.2	0.0	97.2	
Exiting Leg Total	76					1345					0					0					1421

Peak Hour Analysis from 04:30 PM to 06:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	3	0	3	1	0	0	0	1	0	0	0	0	0	0	150	9	0	159	163
5:45 PM	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	144	9	0	153	158
6:00 PM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	155	8	0	163	167
6:15 PM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	127	10	0	137	141
Total Volume	0	0	16	0	16	1	0	0	0	1	0	0	0	0	0	0	576	36	0	612	629
% Approach Total	0.0	0.0	100.0	0.0		100.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	94.1	5.9	0.0		
PHF	0.000	0.000	0.800	0.000	0.800	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.929	0.900	0.000	0.939	0.942
Entering Leg	0	0	16	0	16	1	0	0	0	1	0	0	0	0	0	0	576	36	0	612	629
Exiting Leg																0					629
Total	53					593					0					612					1258

PDI File #: **196890 MM**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **6:30 PM**  
 Class: **Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)**



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	22	22
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	2	0	24	24
<b>Grand Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	2	0	58	58
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	96.6	3.4	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.6	3.4	0.0	100.0	
Exiting Leg Total						2					56					0					58
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	2	0	40	40
% Buses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.9	100.0	0.0	69.0	69.0
Exiting Leg Total						2					38					0					40
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	16	16
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	0.0	0.0	27.6	27.6
Exiting Leg Total						0					16					0					16
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	3.4	3.4
Exiting Leg Total						0					2					0					2

Peak Hour Analysis from 04:30 PM to 06:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	12
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	27	27
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.563	0.000	0.000	0.563	0.563
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	20	20
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74.1	0.0	0.0	74.1	74.1
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	0.0	0.0	22.2	22.2
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	3.7	3.7
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	20	20
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	27	27
Buses						0					20					0					20
Single-Unit Trucks						0					6					0					6
Articulated Trucks						0					1					0					1
Total Exiting Leg						0					27					0					27



PDI File #: **196890 MM**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **6:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Buses**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	16	16
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	2	0	16	16
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	2	0	40	40
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	95.0	5.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.0	5.0	0.0	100.0	
Exiting Leg Total						2					38					0					40

Peak Hour Analysis from 04:30 PM to 06:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	8
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	20	20
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.625	0.625
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	20	20
Exiting Leg						0					20					0					20
Total						0					20					0					40

PDI File #: **196890 MM**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **6:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Single-Unit Trucks**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	6
<b>Grand Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	16	16
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0					16					0					0					16

Peak Hour Analysis from 04:30 PM to 06:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
7:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
<b>Total Volume</b>	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	7
% Approach Total	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
PHF	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.583
Entering Leg	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	7
Exiting Leg	0					6					1					0					7
<b>Total</b>	1					6					1					6					14

PDI File #: **196890 MM**  
 Location: **N: Kinnaird Street S: Kinnaird Street**  
 Location: **E: River Street W: River Street**  
 City, State: **Cambridge, MA**  
 Client: **McMahon Associates/ E. Gruber**  
 Site Code: **Y16043.45**  
 Count Date: **Wednesday, May 22, 2019**  
 Start Time: **4:30 PM**  
 End Time: **6:30 PM**  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

**Articulated Trucks**

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Approach %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0						
Exiting Leg Total	0					2					0					0					2					

Peak Hour Analysis from 04:30 PM to 06:30 PM begins at:

	Kinnaird Street					River Street					Kinnaird Street					River Street					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
% Approach Total	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500						0.500
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Exiting Leg	0					2					0					0					2					
Total	0					2					0					2					4					

PDI File #: 196890 MM  
 Location: N: Kinnaird Street S: Kinnaird Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 6:30 PM  
 Class:



**Bicycles (on Roadway and Crosswalks)**

	Kinnaird Street								River Street								Kinnaird Street								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	4	4		
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	6	6		
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	2	0	0	0	0	10	10		
5:00 PM	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4	6		
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	0	7	7		
5:30 PM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	1	9	10		
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	1	6	6		
Total	0	0	1	0	1	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	22	2	0	0	0	2	26	29		
6:00 PM	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	3	5		
6:15 PM	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	2	0	0	5	6		
Total	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1	0	2	0	0	15	18		
Grand Total	0	0	1	0	1	3	5	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	42	5	0	2	2	51	57			
Approach %	0.0	0.0	20.0	0.0	20.0	60.0		0.0	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	82.4	9.8	0.0	3.9	3.9					
Total %	0.0	0.0	1.8	0.0	1.8	5.3	8.8	0.0	0.0	0.0	0.0	1.8	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.7	8.8	0.0	3.5	3.5	89.5				
Exiting Leg Total	9							44							0							4							57				

Peak Hour Analysis from 04:30 PM to 06:30 PM begins at:

	Kinnaird Street								River Street								Kinnaird Street								River Street								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total		Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total		Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	6	6		
5:00 PM	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4	6		
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	0	7	7		
5:30 PM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	1	9	10		
Total Volume	0	0	1	0	1	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	22	3	0	0	0	1	26	29		
% Approach Total	0.0	0.0	50.0	0.0	50.0	0.0		0.0	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	84.6	11.5	0.0	0.0	3.8					
PHF	0.000	0.000	0.250	0.000	0.250	0.000	0.500	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.688	0.375	0.000	0.000	0.250	0.722	0.725			
Entering Leg	0	0	1	0	1	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	22	3	0	0	0	1	26	29		
Exiting Leg	4							24							0							1							29				
Total	6							25							0							27							58				

PDI File #: 196890 MM  
 Location: N: Kinnaird Street S: Kinnaird Street  
 Location: E: River Street W: River Street  
 City, State: Cambridge, MA  
 Client: McMahon Associates/ E. Gruber  
 Site Code: Y16043.45  
 Count Date: Wednesday, May 22, 2019  
 Start Time: 4:30 PM  
 End Time: 6:30 PM  
 Class:



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilic.com

**Pedestrians**

	Kinnaird Street							River Street							Kinnaird Street							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:30 PM	0	0	0	0	9	6	15	0	0	0	0	3	1	4	0	0	0	0	15	8	23	0	0	0	0	0	0	0	42
4:45 PM	0	0	0	0	7	6	13	0	0	0	0	0	0	0	0	0	0	0	5	9	14	0	0	0	0	6	0	6	33
Total	0	0	0	0	16	12	28	0	0	0	0	3	1	4	0	0	0	0	20	17	37	0	0	0	0	6	0	6	75
5:00 PM	0	0	0	0	12	9	21	0	0	0	0	6	1	7	0	0	0	0	12	8	20	0	0	0	0	3	1	4	52
5:15 PM	0	0	0	0	8	13	21	0	0	0	0	4	2	6	0	0	0	0	8	4	12	0	0	0	0	4	1	5	44
5:30 PM	0	0	0	0	4	10	14	0	0	0	0	0	5	5	0	0	0	0	18	12	30	0	0	0	0	4	4	8	57
5:45 PM	0	0	0	0	12	6	18	0	0	0	0	3	2	5	0	0	0	0	16	4	20	0	0	0	0	1	1	2	45
Total	0	0	0	0	36	38	74	0	0	0	0	13	10	23	0	0	0	0	54	28	82	0	0	0	0	12	7	19	198
6:00 PM	0	0	0	0	10	8	18	0	0	0	0	0	1	1	0	0	0	0	16	8	24	0	0	0	0	4	1	5	48
6:15 PM	0	0	0	0	11	14	25	0	0	0	0	1	3	4	0	0	0	0	12	12	24	0	0	0	0	6	2	8	61
Total	0	0	0	0	36	39	75	0	0	0	0	9	10	19	0	0	0	0	62	35	97	0	0	0	0	16	6	22	213
Grand Total	0	0	0	0	88	89	177	0	0	0	0	25	21	46	0	0	0	0	136	80	216	0	0	0	0	34	13	47	486
Approach %	0	0	0	0	49.7	50.3		0	0	0	0	54.3	45.7		0	0	0	0	63	37		0	0	0	0	72.3	27.7		
Total %	0	0	0	0	18.1	18.3	36.4	0	0	0	0	5.14	4.32	9.47	0	0	0	0	28	16.5	44.4	0	0	0	0	7	2.67	9.67	
Exiting Leg Total	177							46							216							47	486						

Peak Hour Analysis from 04:30 PM to 06:30 PM begins at:

	Kinnaird Street							River Street							Kinnaird Street							River Street							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
6:15 PM	0	0	0	0	11	14	25	0	0	0	0	1	3	4	0	0	0	0	12	12	24	0	0	0	0	6	2	8	61
6:15 PM	0	0	0	0	0	9	9	0	0	0	0	3	1	4	0	0	0	0	20	5	25	0	0	0	0	3	3	6	44
6:30 PM	0	0	0	0	15	8	23	0	0	0	0	5	5	10	0	0	0	0	14	10	24	0	0	0	0	3	0	3	60
6:45 PM	0	0	0	0	5	15	20	0	0	0	0	1	3	4	0	0	0	0	23	4	27	0	0	0	0	1	0	1	52
7:00 PM	0	0	0	0	31	46	77	0	0	0	0	10	12	22	0	0	0	0	69	31	100	0	0	0	0	13	5	18	217
Total Volume	0	0	0	0	31	46	77	0	0	0	0	10	12	22	0	0	0	0	69	31	100	0	0	0	0	13	5	18	217
% Approach Total	0.0	0.0	0.0	0.0	40.3	59.7		0.0	0.0	0.0	0.0	45.5	54.5		0.0	0.0	0.0	0.0	69.0	31.0		0.0	0.0	0.0	0.0	72.2	27.8		
PHF	0.000	0.000	0.000	0.000	0.517	0.767	0.770	0.000	0.000	0.000	0.000	0.500	0.600	0.550	0.000	0.000	0.000	0.000	0.750	0.646	0.926	0.000	0.000	0.000	0.000	0.542	0.417	0.563	0.889
Entering Leg	0	0	0	0	31	46	77	0	0	0	0	10	12	22	0	0	0	0	69	31	100	0	0	0	0	13	5	18	217
Exiting Leg	77							22							100							18	217						
Total	154							44							200							36	434						



## Appendix B.0 Automatic Traffic Recorder (ATR) Data

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PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 A Class  
Site Code: Y16043.45

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
11/28/1														
8	0	60	19	2	2	0	0	0	1	0	0	0	0	84
01:00	2	28	14	3	0	0	0	1	0	1	0	0	0	49
02:00	0	16	5	1	1	1	0	3	0	0	0	0	0	27
03:00	0	8	11	0	2	1	0	1	1	0	0	0	0	24
04:00	0	22	11	0	4	2	0	1	3	0	0	0	0	43
05:00	1	112	53	4	34	1	0	10	2	1	0	0	0	218
06:00	7	211	96	11	67	4	0	16	1	0	0	0	0	413
07:00	5	387	116	10	40	1	2	12	1	3	0	0	2	579
08:00	10	459	109	21	28	4	1	23	3	0	0	0	0	658
09:00	5	437	152	21	39	5	0	13	3	1	1	0	0	677
10:00	8	302	141	12	40	7	2	13	3	3	1	0	1	533
11:00	14	291	109	15	36	12	1	16	5	2	1	0	0	502
12 PM	7	304	134	10	44	7	2	9	1	1	1	0	1	521
13:00	8	272	115	13	33	5	0	14	1	1	0	0	0	462
14:00	1	327	110	14	40	3	1	13	0	3	0	0	0	512
15:00	4	299	156	10	38	1	3	10	2	0	1	0	0	524
16:00	7	354	165	10	23	2	1	23	2	3	1	0	0	591
17:00	11	413	117	14	21	1	0	10	0	0	0	0	0	587
18:00	5	480	99	7	7	2	1	8	0	0	0	0	1	610
19:00	5	429	83	12	12	2	2	10	1	0	0	0	0	556
20:00	2	331	101	5	8	0	1	4	1	1	0	0	0	454
21:00	2	286	79	6	12	2	0	5	1	2	0	0	0	395
22:00	0	202	67	3	2	0	0	5	0	0	1	0	0	280
23:00	1	127	52	4	5	2	0	1	0	0	0	0	0	192
Total	105	6157	2114	208	538	65	17	221	32	22	7	0	5	9491
Percent	1.1%	64.9%	22.3%	2.2%	5.7%	0.7%	0.2%	2.3%	0.3%	0.2%	0.1%	0.0%	0.1%	
AM Peak	11:00	08:00	09:00	08:00	06:00	11:00	07:00	08:00	11:00	07:00	09:00		07:00	09:00
Vol.	14	459	152	21	67	12	2	23	5	3	1		2	677
PM Peak	17:00	18:00	16:00	14:00	12:00	12:00	15:00	16:00	15:00	14:00	12:00		12:00	18:00
Vol.	11	480	165	14	44	7	3	23	2	3	1		1	610



PRECISION  
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INDUSTRIES, LLC

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River Street  
west of William Street  
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Client: McMahon/ E. Fredette

186591 A Class  
Site Code: Y16043.45

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
11/29/1														
8	0	62	21	3	2	0	0	0	1	0	0	0	0	89
01:00	0	30	16	2	1	0	0	2	0	0	0	0	0	51
02:00	0	15	9	2	4	0	0	0	0	0	0	0	0	30
03:00	1	15	8	0	3	1	0	1	1	0	0	0	0	30
04:00	0	18	13	6	8	1	0	2	2	0	0	0	0	50
05:00	0	104	49	11	28	2	0	4	5	1	0	0	1	205
06:00	1	241	101	9	44	6	1	12	5	2	0	0	0	422
07:00	6	386	97	13	42	4	2	17	3	1	0	0	1	572
08:00	3	470	116	25	34	6	2	14	0	2	0	0	0	672
09:00	7	351	137	16	40	4	1	24	4	2	0	0	0	586
10:00	11	354	117	15	45	2	1	22	4	5	1	0	2	579
11:00	8	314	108	12	40	5	1	19	2	2	0	0	0	511
12 PM	3	312	112	13	43	6	1	18	2	3	0	0	0	513
13:00	5	289	96	11	43	4	2	10	4	0	0	0	1	465
14:00	5	319	118	12	44	1	1	16	3	2	0	0	0	521
15:00	6	347	134	14	32	2	1	13	1	1	0	0	0	551
16:00	7	417	102	11	25	3	2	9	0	0	1	1	1	579
17:00	7	479	95	10	17	5	1	8	0	1	0	0	0	623
18:00	2	443	105	13	15	2	0	9	0	1	0	0	0	590
19:00	3	473	100	13	15	0	0	9	2	1	0	0	0	616
20:00	7	390	83	5	6	3	0	12	1	0	0	0	0	507
21:00	1	290	81	6	5	0	0	5	1	1	2	0	1	393
22:00	1	245	61	5	6	0	0	5	1	1	0	0	0	325
23:00	2	157	42	5	2	0	0	0	1	0	0	0	0	209
Total	86	6521	1921	232	544	57	16	231	43	26	4	1	7	9689
Percent	0.9%	67.3%	19.8%	2.4%	5.6%	0.6%	0.2%	2.4%	0.4%	0.3%	0.0%	0.0%	0.1%	
AM Peak	10:00	08:00	09:00	08:00	10:00	06:00	07:00	09:00	05:00	10:00	10:00		10:00	08:00
Vol.	11	470	137	25	45	6	2	24	5	5	1		2	672
PM Peak	16:00	17:00	15:00	15:00	14:00	12:00	13:00	12:00	13:00	12:00	21:00	16:00	13:00	17:00
Vol.	7	479	134	14	44	6	2	18	4	3	2	1	1	623





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186591 A Class  
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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
11/30/1														
8	0	98	24	4	4	0	0	1	0	0	0	0	0	131
01:00	1	57	16	1	2	0	0	1	0	0	0	0	0	78
02:00	0	26	24	0	1	1	0	1	2	0	0	0	0	55
03:00	1	26	9	3	2	0	1	1	1	0	0	0	0	44
04:00	0	20	7	3	2	0	0	0	3	0	0	0	0	35
05:00	3	103	49	4	27	3	0	6	5	0	0	0	1	201
06:00	1	197	98	10	64	5	0	19	4	3	0	1	0	402
07:00	5	288	107	19	50	6	1	21	3	4	1	0	0	505
08:00	9	436	176	22	50	5	0	21	2	0	1	0	1	723
09:00	8	358	182	23	40	3	1	17	3	1	1	0	1	638
10:00	3	283	117	21	43	8	0	10	1	4	1	0	1	492
11:00	5	284	112	11	62	5	1	13	1	2	0	0	1	497
12 PM	5	315	159	15	46	3	3	10	0	1	0	0	0	557
13:00	1	290	119	10	41	2	1	12	1	4	1	0	0	482
14:00	5	289	118	14	44	1	0	9	2	1	0	0	1	484
15:00	5	412	106	11	26	3	1	8	1	3	0	0	0	576
16:00	4	420	120	7	19	2	1	12	2	2	0	0	0	589
17:00	7	476	87	6	12	3	0	10	2	1	2	0	0	606
18:00	4	505	109	5	22	4	2	13	6	2	0	0	1	673
19:00	6	438	109	9	15	1	1	13	1	1	1	0	0	595
20:00	4	404	96	6	8	0	0	10	2	1	0	0	0	531
21:00	3	298	141	2	9	0	0	8	0	3	0	0	0	464
22:00	6	304	74	5	7	0	0	5	0	1	0	0	0	402
23:00	1	245	66	2	5	0	0	1	1	0	0	0	0	321
Total	87	6572	2225	213	601	55	13	222	43	34	8	1	7	10081
Percent	0.9%	65.2%	22.1%	2.1%	6.0%	0.5%	0.1%	2.2%	0.4%	0.3%	0.1%	0.0%	0.1%	
AM Peak	08:00	08:00	09:00	09:00	06:00	10:00	03:00	07:00	05:00	07:00	07:00	06:00	05:00	08:00
Vol.	9	436	182	23	64	8	1	21	5	4	1	1	1	723
PM Peak	17:00	18:00	12:00	12:00	12:00	18:00	12:00	18:00	18:00	13:00	17:00		14:00	18:00
Vol.	7	505	159	15	46	4	3	13	6	4	2		1	673



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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
12/01/1														
8	3	136	75	2	2	0	0	5	0	1	0	0	0	224
01:00	2	122	56	1	4	0	0	4	0	0	0	0	0	189
02:00	1	99	32	1	5	0	0	4	1	0	0	0	0	143
03:00	0	32	10	1	0	0	0	0	2	1	0	0	0	46
04:00	0	21	3	0	2	0	0	1	1	1	0	0	0	29
05:00	2	42	19	0	7	1	0	1	0	0	0	0	0	72
06:00	2	52	39	4	22	0	0	2	3	1	0	0	0	125
07:00	1	130	47	1	18	1	0	4	1	1	0	0	0	204
08:00	1	176	80	11	28	3	0	4	4	0	0	0	0	307
09:00	3	275	87	2	22	3	0	12	0	0	0	0	0	404
10:00	3	350	106	5	24	2	0	6	1	1	0	0	0	498
11:00	5	369	117	9	13	2	0	7	2	0	0	0	0	524
12 PM	4	440	105	5	26	2	1	10	0	0	0	1	0	594
13:00	8	414	96	8	13	2	0	7	0	2	2	1	0	553
14:00	9	454	103	7	17	3	0	10	2	2	0	0	0	607
15:00	6	448	88	5	11	2	2	10	1	2	0	0	0	575
16:00	11	399	104	7	10	2	1	10	0	2	1	0	0	547
17:00	4	451	82	3	13	0	0	14	1	1	0	0	0	569
18:00	6	466	99	8	8	2	2	11	0	2	0	0	0	604
19:00	3	426	69	6	7	2	1	6	1	4	1	0	0	526
20:00	7	377	84	5	10	1	1	7	1	1	1	1	0	496
21:00	2	314	71	3	5	1	0	6	3	0	0	0	0	405
22:00	0	281	80	7	11	0	1	4	1	1	0	0	1	387
23:00	1	228	70	2	2	0	1	7	1	0	0	0	0	312
Total	84	6502	1722	103	280	29	10	152	26	23	5	3	1	8940
Percent	0.9%	72.7%	19.3%	1.2%	3.1%	0.3%	0.1%	1.7%	0.3%	0.3%	0.1%	0.0%	0.0%	
AM Peak	11:00	11:00	11:00	08:00	08:00	08:00		09:00	08:00	00:00				11:00
Vol.	5	369	117	11	28	3		12	4	1				524
PM Peak	16:00	18:00	12:00	13:00	12:00	14:00	15:00	17:00	21:00	19:00	13:00	12:00	22:00	14:00
Vol.	11	466	105	8	26	3	2	14	3	4	2	1	1	607



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186591 A Class  
Site Code: Y16043.45

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
12/02/1														
8	3	188	57	3	0	0	0	0	0	0	0	0	1	252
01:00	0	130	53	1	1	0	0	4	0	1	0	0	0	190
02:00	1	120	34	1	2	1	0	2	0	0	0	0	0	161
03:00	0	33	24	2	1	0	0	0	1	0	0	0	0	61
04:00	1	18	26	0	0	0	0	1	0	0	0	0	0	46
05:00	0	18	18	0	2	0	0	0	0	1	0	0	0	39
06:00	1	32	32	4	2	0	0	3	4	0	0	0	0	78
07:00	0	38	56	3	12	0	0	3	1	0	0	0	0	113
08:00	1	139	97	3	7	1	0	5	0	1	0	0	0	254
09:00	6	198	128	0	5	0	0	9	0	0	0	0	0	346
10:00	2	248	142	6	8	0	0	6	1	1	0	0	0	414
11:00	2	393	169	2	14	1	1	10	3	1	0	0	0	596
12 PM	3	369	106	4	13	3	2	13	1	0	1	0	0	515
13:00	4	340	171	4	17	2	1	8	0	2	0	0	0	549
14:00	4	328	182	3	12	1	0	11	1	2	0	0	0	544
15:00	5	353	137	2	10	1	1	15	0	3	0	0	0	527
16:00	5	370	109	6	10	0	0	10	1	0	0	1	0	512
17:00	2	383	94	3	3	0	0	8	0	1	0	0	0	494
18:00	2	369	87	2	6	1	2	10	2	0	0	0	0	481
19:00	4	294	95	3	7	1	0	6	0	0	1	0	1	412
20:00	4	298	73	3	2	0	0	6	0	0	0	1	0	387
21:00	2	219	79	2	8	1	0	7	0	0	0	0	0	318
22:00	1	183	78	1	7	0	0	0	1	0	0	0	0	271
23:00	1	101	63	1	3	0	0	1	1	0	0	0	0	171
Total	54	5162	2110	59	152	13	7	138	17	13	2	2	2	7731
Percent	0.7%	66.8%	27.3%	0.8%	2.0%	0.2%	0.1%	1.8%	0.2%	0.2%	0.0%	0.0%	0.0%	
AM Peak	09:00	11:00	11:00	10:00	11:00	02:00	11:00	11:00	06:00	01:00			00:00	11:00
Vol.	6	393	169	6	14	1	1	10	4	1			1	596
PM Peak	15:00	17:00	14:00	16:00	13:00	12:00	12:00	15:00	18:00	15:00	12:00	16:00	19:00	13:00
Vol.	5	383	182	6	17	3	2	15	2	3	1	1	1	549



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12/03/1														
8	0	49	54	2	1	0	0	0	0	1	0	0	0	107
01:00	0	15	19	4	5	0	0	1	0	0	0	0	0	44
02:00	0	21	8	0	2	0	0	0	0	0	0	0	0	31
03:00	0	10	6	2	2	0	0	1	2	0	0	0	0	23
04:00	0	22	8	1	5	2	0	2	1	0	0	0	0	41
05:00	1	71	46	4	22	4	1	7	1	1	0	0	0	158
06:00	3	202	101	8	55	9	0	12	4	2	2	0	0	398
07:00	4	307	129	17	44	3	3	27	2	3	0	0	0	539
08:00	12	423	150	27	32	4	1	16	3	4	1	0	0	673
09:00	6	387	151	14	44	6	1	16	3	2	1	0	1	632
10:00	9	332	124	23	44	4	2	14	3	4	0	1	0	560
11:00	9	330	112	7	43	5	0	13	1	1	0	0	1	522
12 PM	2	288	109	18	49	3	1	12	2	2	1	0	0	487
13:00	4	297	102	13	27	5	2	9	4	2	2	0	1	468
14:00	3	278	80	15	36	3	2	8	1	2	0	1	0	429
15:00	3	321	106	15	32	6	1	9	2	2	1	0	0	498
16:00	3	399	76	7	24	4	2	10	1	2	1	0	0	529
17:00	6	460	99	5	17	5	1	12	0	1	0	0	1	607
18:00	8	465	105	7	11	0	2	14	1	3	1	0	0	617
19:00	5	394	73	15	9	2	1	5	0	0	0	0	0	504
20:00	2	291	97	6	8	2	0	9	1	0	0	0	0	416
21:00	2	295	53	5	10	0	2	0	0	0	0	0	0	367
22:00	2	166	68	4	4	0	0	3	0	0	0	0	0	247
23:00	0	117	45	2	5	1	0	3	2	1	0	1	0	177
Total	84	5940	1921	221	531	68	22	203	34	33	10	3	4	9074
Percent	0.9%	65.5%	21.2%	2.4%	5.9%	0.7%	0.2%	2.2%	0.4%	0.4%	0.1%	0.0%	0.0%	
AM Peak	08:00	08:00	09:00	08:00	06:00	06:00	07:00	07:00	06:00	08:00	06:00	10:00	09:00	08:00
Vol.	12	423	151	27	55	9	3	27	4	4	2	1	1	673
PM Peak	18:00	18:00	12:00	12:00	12:00	15:00	13:00	18:00	13:00	18:00	13:00	14:00	13:00	18:00
Vol.	8	465	109	18	49	6	2	14	4	3	2	1	1	617



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12/04/1														
8	0	67	15	4	5	0	0	1	0	0	0	0	0	92
01:00	0	35	11	3	3	0	0	2	2	0	0	0	0	56
02:00	1	24	10	1	1	1	0	1	0	0	0	0	0	39
03:00	0	8	3	3	2	0	0	1	1	0	0	0	0	18
04:00	0	15	11	3	3	0	0	0	3	0	0	0	0	35
05:00	1	97	30	7	21	0	0	2	2	2	1	1	0	164
06:00	4	215	88	6	52	3	1	18	4	4	0	0	1	396
07:00	6	360	109	16	40	5	2	19	5	4	1	0	0	567
08:00	5	426	147	22	34	4	0	14	1	0	2	0	0	655
09:00	3	441	152	21	38	0	1	23	3	2	0	0	0	684
10:00	5	374	152	14	34	4	2	20	3	3	1	2	0	614
11:00	5	295	128	18	47	2	0	13	4	0	1	0	0	513
12 PM	5	332	85	10	28	2	2	12	1	3	0	0	1	481
13:00	2	323	91	10	38	5	1	10	3	4	0	0	0	487
14:00	4	308	108	7	30	6	1	9	2	0	0	0	0	475
15:00	3	393	98	11	27	1	0	13	0	2	0	0	0	548
16:00	3	445	90	9	19	0	2	11	1	1	1	0	1	583
17:00	5	486	81	9	18	1	0	4	1	4	0	0	0	609
18:00	7	503	86	11	17	0	1	12	1	0	0	0	2	640
19:00	4	456	82	11	11	1	0	7	0	2	0	0	0	574
20:00	1	328	69	4	10	0	2	8	1	1	0	0	0	424
21:00	7	290	68	5	8	0	0	7	1	1	0	0	0	387
22:00	1	225	56	4	1	0	0	4	0	0	0	0	0	291
23:00	1	119	28	5	5	1	0	0	2	0	0	0	0	161
Total	73	6565	1798	214	492	36	15	211	41	33	7	3	5	9493
Percent	0.8%	69.2%	18.9%	2.3%	5.2%	0.4%	0.2%	2.2%	0.4%	0.3%	0.1%	0.0%	0.1%	
AM Peak	07:00	09:00	09:00	08:00	06:00	07:00	07:00	09:00	07:00	06:00	08:00	10:00	06:00	09:00
Vol.	6	441	152	22	52	5	2	23	5	4	2	2	1	684
PM Peak	18:00	18:00	14:00	15:00	13:00	14:00	12:00	15:00	13:00	13:00	16:00		18:00	18:00
Vol.	7	503	108	11	38	6	2	13	3	4	1		2	640



PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 A Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
11/28/	14	19	24	29	34	39	44	49	54	59	64	69	9999			
18	3	2	1	21	28	22	7	0	0	0	0	0	0	84	37	32
01:00	3	3	6	6	18	10	3	0	0	0	0	0	0	49	36	29
02:00	1	3	3	6	6	5	2	1	0	0	0	0	0	27	37	29
03:00	1	1	1	5	8	3	2	2	1	0	0	0	0	24	42	32
04:00	1	0	5	8	8	11	8	2	0	0	0	0	0	43	41	33
05:00	2	6	7	33	88	49	28	4	1	0	0	0	0	218	39	33
06:00	6	3	27	84	174	94	21	3	1	0	0	0	0	413	37	32
07:00	22	25	56	214	179	69	12	0	2	0	0	0	0	579	33	28
08:00	47	36	139	267	140	26	3	0	0	0	0	0	0	658	31	26
09:00	23	59	90	274	171	49	7	3	0	0	0	0	1	677	32	27
10:00	23	24	92	232	134	26	2	0	0	0	0	0	0	533	32	27
11:00	33	37	112	175	120	22	2	1	0	0	0	0	0	502	31	26
12 PM	25	34	119	190	118	29	6	0	0	0	0	0	0	521	32	26
13:00	21	25	69	191	117	32	7	0	0	0	0	0	0	462	32	27
14:00	22	30	138	211	87	22	2	0	0	0	0	0	0	512	30	26
15:00	27	27	108	201	129	24	4	3	1	0	0	0	0	524	32	26
16:00	34	52	127	252	99	18	6	2	0	0	0	1	0	591	30	25
17:00	45	60	187	218	65	10	2	0	0	0	0	0	0	587	28	24
18:00	56	47	157	217	115	14	4	0	0	0	0	0	0	610	30	24
19:00	41	40	105	220	116	31	2	0	0	0	0	0	1	556	31	26
20:00	16	23	87	201	107	18	2	0	0	0	0	0	0	454	31	26
21:00	26	24	48	147	110	31	8	1	0	0	0	0	0	395	33	27
22:00	6	12	25	92	101	38	5	1	0	0	0	0	0	280	34	29
23:00	6	10	13	63	71	21	7	1	0	0	0	0	0	192	34	29
Total	490	583	1722	3528	2309	674	152	24	6	0	0	1	2	9491		
%	5.2%	6.1%	18.1%	37.2%	24.3%	7.1%	1.6%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	08:00	09:00	07:00	06:00	05:00	05:00	07:00				09:00	09:00		
Vol.	47	59	139	274	179	94	28	4	2				1	677		
PM Peak	18:00	17:00	17:00	16:00	15:00	22:00	21:00	15:00	15:00			16:00	19:00	18:00		
Vol.	56	60	187	252	129	38	8	3	1			1	1	610		

Stats

15th Percentile : 20 MPH  
50th Percentile : 26 MPH  
85th Percentile : 32 MPH  
95th Percentile : 36 MPH

Mean Speed(Average) : 27 MPH  
10 MPH Pace Speed : 25-34 MPH  
Number in Pace : 5837  
Percent in Pace : 61.5%  
Number of Vehicles > 30 MPH : 2706  
Percent of Vehicles > 30 MPH : 28.5%



PRECISION  
D A T A  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 A Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
11/29/																
18	1	5	13	28	26	12	3	1	0	0	0	0	0	89	35	29
01:00	3	2	1	7	18	15	5	0	0	0	0	0	0	51	38	32
02:00	0	0	4	7	10	5	3	1	0	0	0	0	0	30	38	32
03:00	0	0	2	6	9	9	2	2	0	0	0	0	0	30	38	33
04:00	1	0	3	5	15	15	7	4	0	0	0	0	0	50	41	35
05:00	5	7	7	32	63	64	21	5	1	0	0	0	0	205	38	33
06:00	6	3	17	97	187	90	20	0	2	0	0	0	0	422	36	32
07:00	10	14	44	192	228	72	9	2	1	0	0	0	0	572	33	30
08:00	61	56	118	241	150	41	5	0	0	0	0	0	0	672	32	25
09:00	58	82	117	165	131	28	5	0	0	0	0	0	0	586	31	24
10:00	21	21	130	180	171	45	10	0	1	0	0	0	0	579	33	27
11:00	13	28	93	213	125	37	2	0	0	0	0	0	0	511	32	27
12 PM	26	29	122	189	115	26	6	0	0	0	0	0	0	513	32	26
13:00	24	31	99	166	108	32	3	2	0	0	0	0	0	465	32	26
14:00	22	41	116	171	124	36	11	0	0	0	0	0	0	521	32	26
15:00	28	19	120	234	113	29	7	0	1	0	0	0	0	551	31	26
16:00	26	41	147	258	96	8	3	0	0	0	0	0	0	579	30	25
17:00	33	52	213	222	88	11	3	1	0	0	0	0	0	623	29	24
18:00	67	71	170	176	79	22	4	1	0	0	0	0	0	590	30	23
19:00	38	47	138	237	118	33	4	1	0	0	0	0	0	616	31	26
20:00	30	28	88	197	138	23	3	0	0	0	0	0	0	507	32	26
21:00	14	19	72	157	99	28	2	2	0	0	0	0	0	393	32	27
22:00	10	13	50	118	89	37	7	0	1	0	0	0	0	325	33	28
23:00	7	6	22	73	62	29	8	2	0	0	0	0	0	209	35	29
Total	504	615	1906	3371	2362	747	153	24	7	0	0	0	0	9689		
%	5.2%	6.3%	19.7%	34.8%	24.4%	7.7%	1.6%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	10:00	08:00	07:00	06:00	05:00	05:00	06:00					08:00		
Vol.	61	82	130	241	228	90	21	5	2					672		
PM Peak	18:00	18:00	17:00	16:00	20:00	22:00	14:00	13:00	15:00					17:00		
Vol.	67	71	213	258	138	37	11	2	1					623		

Stats

15th Percentile : 19 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 36 MPH

Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 5733  
 Percent in Pace : 59.2%  
 Number of Vehicles > 30 MPH : 2821  
 Percent of Vehicles > 30 MPH : 29.1%



PRECISION  
D A T A  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
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River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 A Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
11/30/																
18	1	2	13	28	67	15	4	1	0	0	0	0	0	131	34	31
01:00	2	2	5	15	39	13	2	0	0	0	0	0	0	78	35	30
02:00	2	1	2	12	22	10	5	1	0	0	0	0	0	55	37	31
03:00	2	0	6	7	15	11	3	0	0	0	0	0	0	44	37	31
04:00	2	0	2	5	9	14	2	1	0	0	0	0	0	35	38	32
05:00	3	7	8	32	66	56	21	8	0	0	0	0	0	201	38	33
06:00	5	7	32	75	154	106	19	2	1	0	1	0	0	402	37	32
07:00	16	28	42	135	208	61	12	3	0	0	0	0	0	505	34	29
08:00	63	61	156	264	134	36	7	2	0	0	0	0	0	723	31	25
09:00	52	60	126	215	143	32	5	4	1	0	0	0	0	638	32	25
10:00	84	41	88	149	105	21	4	0	0	0	0	0	0	492	31	24
11:00	19	30	115	199	96	27	11	0	0	0	0	0	0	497	32	26
12 PM	66	61	131	195	78	25	1	0	0	0	0	0	0	557	30	24
13:00	14	29	90	181	129	30	8	0	0	1	0	0	0	482	32	27
14:00	22	19	88	186	121	40	7	1	0	0	0	0	0	484	32	27
15:00	26	20	139	242	122	23	3	0	1	0	0	0	0	576	31	26
16:00	31	35	140	226	127	21	7	1	0	0	0	0	1	589	31	26
17:00	42	57	176	238	74	14	5	0	0	0	0	0	0	606	29	24
18:00	54	58	208	239	94	17	3	0	0	0	0	0	0	673	29	24
19:00	45	32	164	210	123	17	3	0	1	0	0	0	0	595	31	25
20:00	18	46	115	206	115	22	7	2	0	0	0	0	0	531	31	26
21:00	20	36	83	204	94	24	3	0	0	0	0	0	0	464	31	26
22:00	24	27	75	148	91	30	6	1	0	0	0	0	0	402	32	26
23:00	16	18	45	102	99	31	8	2	0	0	0	0	0	321	33	28
Total	629	677	2049	3513	2325	696	156	29	4	1	1	0	1	10081		
%	6.2%	6.7%	20.3%	34.8%	23.1%	6.9%	1.5%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	08:00	08:00	08:00	07:00	06:00	05:00	05:00	06:00		06:00			08:00		
Vol.	84	61	156	264	208	106	21	8	1		1			723		
PM Peak	12:00	12:00	18:00	15:00	13:00	14:00	13:00	20:00	15:00	13:00			16:00	18:00		
Vol.	66	61	208	242	129	40	8	2	1	1			1	673		

Stats

15th Percentile : 19 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 36 MPH

Mean Speed(Average) : 26 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 5838  
 Percent in Pace : 57.9%  
 Number of Vehicles > 30 MPH : 2748  
 Percent of Vehicles > 30 MPH : 27.3%





PRECISION  
D A T A  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 A Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
12/01/																
18	7	9	19	68	89	22	7	1	1	0	0	0	1	224	33	29
01:00	3	5	15	53	88	21	4	0	0	0	0	0	0	189	33	30
02:00	4	4	8	39	58	24	6	0	0	0	0	0	0	143	35	30
03:00	1	1	4	11	16	10	3	0	0	0	0	0	0	46	37	31
04:00	3	1	1	5	9	8	2	0	0	0	0	0	0	29	37	30
05:00	3	6	4	14	21	18	5	1	0	0	0	0	0	72	37	30
06:00	3	3	12	24	36	32	13	1	0	0	0	1	0	125	38	32
07:00	5	14	28	36	68	32	17	1	3	0	0	0	0	204	37	30
08:00	11	11	28	101	100	43	11	1	1	0	0	0	0	307	35	29
09:00	17	16	55	144	125	39	6	2	0	0	0	0	0	404	33	28
10:00	29	29	82	181	138	36	1	1	0	1	0	0	0	498	32	27
11:00	22	45	99	189	125	35	7	0	2	0	0	0	0	524	32	27
12 PM	35	29	104	254	139	26	6	0	0	0	0	0	1	594	31	26
13:00	40	34	105	242	111	21	0	0	0	0	0	0	0	553	31	25
14:00	43	54	167	233	90	19	1	0	0	0	0	0	0	607	30	24
15:00	42	29	130	239	111	21	2	1	0	0	0	0	0	575	31	25
16:00	31	35	150	209	98	20	4	0	0	0	0	0	0	547	31	25
17:00	33	28	153	243	98	13	1	0	0	0	0	0	0	569	30	25
18:00	54	51	132	217	128	18	3	1	0	0	0	0	0	604	31	25
19:00	21	47	113	212	105	23	4	1	0	0	0	0	0	526	31	26
20:00	28	34	108	192	98	29	7	0	0	0	0	0	0	496	32	26
21:00	34	38	61	141	107	23	1	0	0	0	0	0	0	405	32	26
22:00	26	16	57	149	107	26	6	0	0	0	0	0	0	387	32	27
23:00	6	11	54	116	92	29	2	1	0	1	0	0	0	312	33	28
Total	501	550	1689	3312	2157	588	119	12	7	2	0	1	2	8940		
%	5.6%	6.2%	18.9%	37.0%	24.1%	6.6%	1.3%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	11:00	11:00	11:00	10:00	08:00	07:00	09:00	07:00	10:00		06:00	00:00	11:00		
Vol.	29	45	99	189	138	43	17	2	3	1		1	1	524		
PM Peak	18:00	14:00	14:00	12:00	12:00	20:00	20:00	15:00		23:00			12:00	14:00		
Vol.	54	54	167	254	139	29	7	1		1			1	607		

Stats

15th Percentile : 19 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 36 MPH

Mean Speed(Average) : 26 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 5469  
 Percent in Pace : 61.2%  
 Number of Vehicles > 30 MPH : 2457  
 Percent of Vehicles > 30 MPH : 27.5%



PRECISION  
D A T A  
INDUSTRIES, LLC

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River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 A Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
12/02/	14	19	24	29	34	39	44	49	54	59	64	69	9999			
18	7	13	32	70	96	28	5	1	0	0	0	0	0	252	33	29
01:00	2	5	12	53	70	37	6	4	0	0	0	0	1	190	36	31
02:00	0	7	12	49	62	23	5	3	0	0	0	0	0	161	35	30
03:00	0	2	3	22	13	16	4	1	0	0	0	0	0	61	37	31
04:00	3	2	4	5	19	9	3	1	0	0	0	0	0	46	37	30
05:00	0	3	2	7	19	4	1	3	0	0	0	0	0	39	36	31
06:00	3	2	3	21	22	22	4	1	0	0	0	0	0	78	37	31
07:00	3	3	6	28	36	25	11	0	1	0	0	0	0	113	38	31
08:00	7	9	33	82	79	30	11	3	0	0	0	0	0	254	34	29
09:00	22	21	28	111	120	35	9	0	0	0	0	0	0	346	33	28
10:00	39	63	70	122	65	36	18	1	0	0	0	0	0	414	33	25
11:00	79	76	92	197	114	29	8	1	0	0	0	0	0	596	31	24
12 PM	38	44	88	206	106	27	5	1	0	0	0	0	0	515	31	26
13:00	39	46	86	208	133	31	6	0	0	0	0	0	0	549	32	26
14:00	35	29	93	203	135	43	5	1	0	0	0	0	0	544	32	27
15:00	27	37	105	191	127	34	4	2	0	0	0	0	0	527	32	26
16:00	28	33	82	244	99	24	1	0	0	0	0	1	0	512	31	26
17:00	21	13	74	235	123	25	3	0	0	0	0	0	0	494	32	27
18:00	18	24	97	202	99	35	6	0	0	0	0	0	0	481	32	27
19:00	22	22	59	159	111	33	4	2	0	0	0	0	0	412	32	27
20:00	10	12	47	148	132	35	3	0	0	0	0	0	0	387	33	28
21:00	18	11	33	116	100	34	3	3	0	0	0	0	0	318	33	28
22:00	12	13	34	85	89	33	5	0	0	0	0	0	0	271	33	28
23:00	5	2	6	56	68	21	9	3	1	0	0	0	0	171	35	31
Total	438	492	1101	2820	2037	669	139	31	2	0	0	1	1	7731		
%	5.7%	6.4%	14.2%	36.5%	26.3%	8.7%	1.8%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	11:00	11:00	09:00	01:00	10:00	01:00	07:00				01:00	11:00		
Vol.	79	76	92	197	120	37	18	4	1				1	596		
PM Peak	13:00	13:00	15:00	16:00	14:00	14:00	23:00	21:00	23:00			16:00		13:00		
Vol.	39	46	105	244	135	43	9	3	1			1		549		

Stats

15th Percentile : 20 MPH  
 50th Percentile : 27 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 37 MPH

Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 4857  
 Percent in Pace : 62.8%  
 Number of Vehicles > 30 MPH : 2473  
 Percent of Vehicles > 30 MPH : 32.0%



PRECISION  
D A T A  
INDUSTRIES, LLC

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River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 A Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
12/03/																
18	3	2	9	20	41	23	4	3	1	1	0	0	0	107	37	32
01:00	1	2	1	11	8	13	7	1	0	0	0	0	0	44	40	33
02:00	1	1	4	5	6	12	2	0	0	0	0	0	0	31	37	31
03:00	0	2	0	2	11	6	2	0	0	0	0	0	0	23	37	32
04:00	1	0	1	2	16	12	5	3	1	0	0	0	0	41	41	35
05:00	2	3	1	23	54	46	22	6	1	0	0	0	0	158	40	34
06:00	6	17	13	84	185	79	12	2	0	0	0	0	0	398	36	31
07:00	15	18	74	171	191	52	14	3	1	0	0	0	0	539	33	29
08:00	126	105	171	165	77	22	6	0	0	0	0	0	1	673	29	22
09:00	40	39	122	220	169	39	3	0	0	0	0	0	0	632	32	26
10:00	26	45	106	183	159	37	3	1	0	0	0	0	0	560	32	27
11:00	18	23	97	245	100	32	6	0	1	0	0	0	0	522	32	27
12 PM	37	61	105	149	102	30	3	0	0	0	0	0	0	487	32	25
13:00	23	36	81	192	105	29	2	0	0	0	0	0	0	468	32	26
14:00	17	20	84	179	99	26	3	1	0	0	0	0	0	429	32	27
15:00	28	39	113	203	82	27	4	0	1	0	0	0	1	498	31	26
16:00	23	24	129	214	112	23	4	0	0	0	0	0	0	529	31	26
17:00	30	33	158	268	94	20	2	1	0	0	0	1	0	607	30	25
18:00	51	52	184	208	106	12	3	1	0	0	0	0	0	617	30	24
19:00	24	27	133	194	110	14	2	0	0	0	0	0	0	504	31	26
20:00	14	26	67	162	112	30	3	2	0	0	0	0	0	416	32	27
21:00	20	18	66	142	93	24	4	0	0	0	0	0	0	367	32	27
22:00	12	10	22	94	76	28	4	1	0	0	0	0	0	247	33	28
23:00	7	2	9	40	75	38	4	1	1	0	0	0	0	177	36	31
Total	525	605	1750	3176	2183	674	124	26	7	1	0	1	2	9074		
%	5.8%	6.7%	19.3%	35.0%	24.1%	7.4%	1.4%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	08:00	11:00	07:00	06:00	05:00	05:00	00:00	00:00				08:00	08:00	
Vol.	126	105	171	245	191	79	22	6	1	1				1	673	
PM Peak	18:00	12:00	18:00	17:00	16:00	23:00	15:00	20:00	15:00			17:00	15:00	18:00		
Vol.	51	61	184	268	112	38	4	2	1			1	1	617		

Stats

15th Percentile : 19 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 36 MPH

Mean Speed(Average) : 26 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 5359  
 Percent in Pace : 59.1%  
 Number of Vehicles > 30 MPH : 2581  
 Percent of Vehicles > 30 MPH : 28.4%



PRECISION  
D A T A  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 A Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
12/04/	14	19	24	29	34	39	44	49	54	59	64	69	9999			
18	3	6	9	21	32	19	2	0	0	0	0	0	0	92	35	29
01:00	0	6	6	16	15	13	0	0	0	0	0	0	0	56	35	29
02:00	0	0	5	14	9	7	2	2	0	0	0	0	0	39	37	31
03:00	0	0	0	3	9	4	2	0	0	0	0	0	0	18	38	33
04:00	1	1	2	5	14	5	7	0	0	0	0	0	0	35	40	32
05:00	2	4	1	30	64	49	12	2	0	0	0	0	0	164	37	33
06:00	3	3	10	74	183	107	14	2	0	0	0	0	0	396	36	32
07:00	13	18	66	209	193	59	8	0	1	0	0	0	0	567	33	29
08:00	31	42	140	253	150	28	8	0	0	0	0	0	3	655	31	26
09:00	37	62	204	286	83	10	2	0	0	0	0	0	0	684	28	24
10:00	21	34	123	282	120	28	2	2	1	0	0	0	1	614	31	26
11:00	14	31	98	219	113	31	6	1	0	0	0	0	0	513	32	27
12 PM	26	27	93	181	111	40	3	0	0	0	0	0	0	481	32	26
13:00	25	13	82	210	130	23	3	1	0	0	0	0	0	487	32	27
14:00	22	34	74	175	125	39	6	0	0	0	0	0	0	475	32	27
15:00	12	19	139	231	112	29	2	4	0	0	0	0	0	548	31	27
16:00	28	45	179	237	78	11	4	0	0	1	0	0	0	583	29	25
17:00	30	57	224	231	56	11	0	0	0	0	0	0	0	609	28	24
18:00	53	58	192	243	82	11	0	0	0	0	0	0	1	640	28	24
19:00	45	47	117	228	108	24	5	0	0	0	0	0	0	574	31	25
20:00	26	17	70	178	92	35	6	0	0	0	0	0	0	424	32	27
21:00	23	18	57	187	68	29	4	0	0	0	0	0	1	387	32	26
22:00	11	7	31	96	123	22	1	0	0	0	0	0	0	291	33	28
23:00	8	6	13	47	63	19	5	0	0	0	0	0	0	161	33	29
Total	434	555	1935	3656	2133	653	104	14	2	1	0	0	6	9493		
%	4.6%	5.8%	20.4%	38.5%	22.5%	6.9%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%			
AM Peak	09:00	09:00	09:00	09:00	07:00	06:00	06:00	02:00	07:00					08:00	09:00	
Vol.	37	62	204	286	193	107	14	2	1					3	684	
PM Peak	18:00	18:00	17:00	18:00	13:00	12:00	14:00	15:00		16:00				18:00	18:00	
Vol.	53	58	224	243	130	40	6	4		1				1	640	

Stats

15th Percentile : 20 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 36 MPH

Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 5789  
 Percent in Pace : 61.0%  
 Number of Vehicles > 30 MPH : 2486  
 Percent of Vehicles > 30 MPH : 26.2%

River Street  
 west of William Street  
 City, State: Cambridge, MA  
 Client: McMahon/ E. Fredette



186591 A Volume  
 Site Code: Y16043.45

Start Time	11/28/2018		11/29/2018		11/30/2018		12/1/2018		12/2/2018	12/3/2018	12/4/2018	Week Average		
	EB	EB	EB	EB	EB	EB	EB	EB						
12:00 AM	84	0	89	0	131	0	224	0	252	0	107	0	140	0
01:00	49	0	51	0	78	0	189	0	190	0	44	0	94	0
02:00	27	0	30	0	55	0	143	0	161	0	31	0	69	0
03:00	24	0	30	0	44	0	46	0	61	0	23	0	35	0
04:00	43	0	50	0	35	0	29	0	46	0	41	0	40	0
05:00	218	0	205	0	201	0	72	0	39	0	158	0	151	0
06:00	413	0	422	0	402	0	125	0	78	0	398	0	319	0
07:00	579	0	572	0	505	0	204	0	113	0	539	0	440	0
08:00	658	0	672	0	723	0	307	0	254	0	673	0	563	0
09:00	677	0	586	0	638	0	404	0	346	0	632	0	567	0
10:00	533	0	579	0	492	0	498	0	414	0	560	0	527	0
11:00	502	0	511	0	497	0	524	0	596	0	522	0	524	0
12:00 PM	521	0	513	0	557	0	594	0	515	0	487	0	524	0
01:00	462	0	465	0	482	0	553	0	549	0	468	0	495	0
02:00	512	0	521	0	484	0	607	0	544	0	429	0	510	0
03:00	524	0	551	0	576	0	575	0	527	0	498	0	543	0
04:00	591	0	579	0	589	0	547	0	512	0	529	0	561	0
05:00	587	0	623	0	606	0	569	0	494	0	607	0	585	0
06:00	610	0	590	0	673	0	604	0	481	0	617	0	602	0
07:00	556	0	616	0	595	0	526	0	412	0	504	0	540	0
08:00	454	0	507	0	531	0	496	0	387	0	416	0	459	0
09:00	395	0	393	0	464	0	405	0	318	0	367	0	390	0
10:00	280	0	325	0	402	0	387	0	271	0	247	0	315	0
11:00	192	0	209	0	321	0	312	0	171	0	177	0	220	0
Total	9491	0	9689	0	10081	0	8940	0	7731	0	9074	0	9213	0
Day	9491		9689		10081		8940		7731		9074		9493	
AM Peak	09:00	-	08:00	-	08:00	-	11:00	-	11:00	-	08:00	-	09:00	-
Vol.	677	-	672	-	723	-	524	-	596	-	673	-	567	-
PM Peak	18:00	-	17:00	-	18:00	-	14:00	-	13:00	-	18:00	-	18:00	-
Vol.	610	-	623	-	673	-	607	-	549	-	617	-	602	-

Comb. Total	9491	9689	10081	8940	7731	9074	9493	9213
ADT	ADT 9,214	AADT 9,214						





PRECISION  
DATA  
INDUSTRIES, LLC

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River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 a volume  
Site Code: Y16043.45

Start Time	EB													
	A.M.	P.M.												
12:00	29	125												
12:15	22	135												
12:30	22	119												
12:45	16	89	134	513										
01:00	16		109											
01:15	11		123											
01:30	12		115											
01:45	12	51	118	465										
02:00	7		120											
02:15	10		145											
02:30	5		129											
02:45	8	30	127	521										
03:00	7		138											
03:15	8		135											
03:30	7		133											
03:45	8	30	145	551										
04:00	10		145											
04:15	12		146											
04:30	11		146											
04:45	17	50	142	579										
05:00	23		150											
05:15	23		158											
05:30	64		167											
05:45	95	205	148	623										
06:00	83		163											
06:15	98		140											
06:30	122		148											
06:45	119	422	139	590										
07:00	130		160											
07:15	143		166											
07:30	164		140											
07:45	135	572	150	616										
08:00	167		134											
08:15	188		126											
08:30	136		133											
08:45	181	672	114	507										
09:00	124		110											
09:15	160		110											
09:30	148		87											
09:45	154	586	86	393										
10:00	165		91											
10:15	157		91											
10:30	130		76											
10:45	127	579	67	325										
11:00	125		57											
11:15	122		61											
11:30	127		36											
11:45	137	511	55	209										
Total	3797		5892											
Percent			100.0 %	0.0%	0.0%									
Day Total		9689												
Peak	08:00	-	05:15	-	-	-	-	-	-	-	-	-	-	-
Vol.	672	-	636	-	-	-	-	-	-	-	-	-	-	-
P.H.F.	0.894		0.952											



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River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 a volume  
Site Code: Y16043.45

Start Time	A.M.	EB	P.M.											
12:00	30		145											
12:15	30		149											
12:30	28		140											
12:45	43	131	123	557										
01:00	20		127											
01:15	20		115											
01:30	26		121											
01:45	12	78	119	482										
02:00	15		126											
02:15	20		131											
02:30	11		107											
02:45	9	55	120	484										
03:00	15		153											
03:15	10		151											
03:30	7		128											
03:45	12	44	144	576										
04:00	7		127											
04:15	7		147											
04:30	5		149											
04:45	16	35	166	589										
05:00	20		161											
05:15	36		155											
05:30	48		147											
05:45	97	201	143	606										
06:00	87		165											
06:15	86		167											
06:30	113		181											
06:45	116	402	160	673										
07:00	98		158											
07:15	144		144											
07:30	128		125											
07:45	135	505	168	595										
08:00	187		141											
08:15	172		129											
08:30	177		127											
08:45	187	723	134	531										
09:00	167		124											
09:15	166		105											
09:30	149		125											
09:45	156	638	110	464										
10:00	142		111											
10:15	110		115											
10:30	122		95											
10:45	118	492	81	402										
11:00	118		92											
11:15	132		92											
11:30	123		92											
11:45	124	497	45	321										
Total	3801		6280											
Percent			100.0 %	0.0%	0.0%									
Day Total		10081												
Peak Vol.	08:00	-	06:00	-	-	-	-	-	-	-	-	-	-	-
P.H.F.	723	-	673	-	-	-	-	-	-	-	-	-	-	-
	0.967		0.930											





PRECISION  
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INDUSTRIES, LLC

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River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 a volume  
Site Code: Y16043.45

Start Time	A.M.	EB	P.M.											
12:00	53		134											
12:15	57		176											
12:30	56		134											
12:45	58	224	150	594										
01:00	41		149											
01:15	43		150											
01:30	52		146											
01:45	53	189	108	553										
02:00	32		145											
02:15	47		173											
02:30	42		144											
02:45	22	143	145	607										
03:00	17		133											
03:15	11		150											
03:30	10		132											
03:45	8	46	160	575										
04:00	11		144											
04:15	6		132											
04:30	3		124											
04:45	9	29	147	547										
05:00	12		140											
05:15	13		150											
05:30	14		150											
05:45	33	72	129	569										
06:00	32		127											
06:15	30		180											
06:30	30		154											
06:45	33	125	143	604										
07:00	49		132											
07:15	34		124											
07:30	52		135											
07:45	69	204	135	526										
08:00	68		143											
08:15	64		124											
08:30	72		123											
08:45	103	307	106	496										
09:00	89		108											
09:15	106		98											
09:30	93		113											
09:45	116	404	86	405										
10:00	125		102											
10:15	134		102											
10:30	111		91											
10:45	128	498	92	387										
11:00	117		74											
11:15	126		81											
11:30	139		75											
11:45	142	524	82	312										
Total	2765		6175											
Percent			100.0 %	0.0%	0.0%									
Day Total		8940												
Peak	11:00	-	00:15	-	-	-	-	-	-	-	-	-	-	-
Vol.	524	-	609	-	-	-	-	-	-	-	-	-	-	-
P.H.F.	0.923		0.865											



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River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 a volume  
Site Code: Y16043.45

Start Time	A.M.	EB		P.M.											
						Sun 12/2/201 8									
12:00	76		143												
12:15	76		112												
12:30	55		118												
12:45	45	252	142	515											
01:00	49		153												
01:15	59		151												
01:30	40		131												
01:45	42	190	114	549											
02:00	54		130												
02:15	45		122												
02:30	34		142												
02:45	28	161	150	544											
03:00	21		126												
03:15	19		129												
03:30	18		129												
03:45	3	61	143	527											
04:00	12		113												
04:15	14		135												
04:30	8		131												
04:45	12	46	133	512											
05:00	7		123												
05:15	10		133												
05:30	14		125												
05:45	8	39	113	494											
06:00	12		139												
06:15	13		114												
06:30	21		126												
06:45	32	78	102	481											
07:00	20		100												
07:15	31		103												
07:30	30		112												
07:45	32	113	97	412											
08:00	49		112												
08:15	62		86												
08:30	63		102												
08:45	80	254	87	387											
09:00	94		78												
09:15	90		96												
09:30	102		68												
09:45	60	346	76	318											
10:00	68		87												
10:15	116		64												
10:30	101		76												
10:45	129	414	44	271											
11:00	168		62												
11:15	151		39												
11:30	145		33												
11:45	132	596	37	171											
Total	2550		5181												
Percent			100.0 %		0.0%	0.0%									
Day Total			7731												
Peak Vol.	11:00	-	00:45	-	-	-	-	-	-	-	-	-	-	-	-
P.H.F.	596	-	577	-	-	-	-	-	-	-	-	-	-	-	-
	0.887		0.943												





PRECISION  
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River Street  
west of William Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 a volume  
Site Code: Y16043.45

Start Time	EB													
	A.M.	P.M.												
12:00	27	127												
12:15	26	121												
12:30	14	119												
12:45	25	114	481											
01:00	14	135												
01:15	13	105												
01:30	13	125												
01:45	16	122	487											
02:00	11	120												
02:15	11	109												
02:30	9	118												
02:45	8	128	475											
03:00	4	127												
03:15	7	144												
03:30	3	140												
03:45	4	137	548											
04:00	5	141												
04:15	10	137												
04:30	4	136												
04:45	16	169	583											
05:00	19	143												
05:15	31	154												
05:30	43	138												
05:45	71	174	609											
06:00	96	146												
06:15	86	162												
06:30	107	186												
06:45	107	146	640											
07:00	146	178												
07:15	147	157												
07:30	124	127												
07:45	150	112	574											
08:00	181	110												
08:15	156	100												
08:30	172	112												
08:45	146	102	424											
09:00	181	99												
09:15	184	91												
09:30	171	97												
09:45	148	100	387											
10:00	172	75												
10:15	147	86												
10:30	144	69												
10:45	151	61	291											
11:00	134	40												
11:15	111	41												
11:30	132	50												
11:45	136	30	161											
Total	3833	5660												
Percent		100.0 %	0.0%	0.0%										
Day Total		9493												
Peak	09:00	-	06:15	-	-	-	-	-	-	-	-	-	-	-
Vol.	684	-	672	-	-	-	-	-	-	-	-	-	-	-
P.H.F.	0.929		0.903											



PRECISION  
D A T A  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

River Street  
west of Blackstone Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 B Class  
Site Code: Y16043.45

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
11/28/1														
8	0	100	16	3	2	0	0	0	1	0	0	0	0	122
01:00	1	44	10	3	0	0	0	1	0	1	0	0	0	60
02:00	0	25	4	1	1	1	0	3	0	0	0	0	0	35
03:00	0	21	9	0	1	1	0	1	1	0	0	0	0	34
04:00	0	35	13	0	9	1	0	1	3	0	0	0	0	62
05:00	4	142	69	4	32	4	0	15	2	0	0	0	1	273
06:00	3	287	86	11	52	2	0	20	1	2	1	0	1	466
07:00	11	390	87	9	34	2	1	17	1	2	2	1	0	557
08:00	15	394	60	13	14	3	3	12	2	3	2	1	1	523
09:00	12	439	80	12	26	5	1	16	2	1	3	0	0	597
10:00	8	386	91	10	54	5	6	17	5	3	4	0	0	589
11:00	18	333	86	14	33	10	2	12	1	4	1	0	0	514
12 PM	10	354	60	6	25	1	0	12	0	2	0	1	0	471
13:00	8	392	73	10	29	5	1	13	0	0	0	0	0	531
14:00	11	381	82	8	16	4	0	15	0	1	1	1	1	521
15:00	8	399	88	7	28	2	0	15	1	0	2	0	1	551
16:00	12	445	66	6	13	4	0	6	1	3	1	0	0	557
17:00	20	394	62	10	8	2	3	8	0	2	2	1	0	512
18:00	10	396	37	13	6	1	1	6	1	2	0	0	1	474
19:00	18	520	31	11	5	4	1	5	1	2	0	0	1	599
20:00	6	430	72	3	3	2	0	6	0	4	1	0	0	527
21:00	5	345	88	7	6	2	0	5	0	0	0	0	0	458
22:00	1	257	87	3	3	0	1	1	0	1	0	0	0	354
23:00	1	176	39	5	4	0	0	1	0	0	0	0	0	226
Total	182	7085	1396	169	404	61	20	208	23	33	20	5	7	9613
Percent	1.9%	73.7%	14.5%	1.8%	4.2%	0.6%	0.2%	2.2%	0.2%	0.3%	0.2%	0.1%	0.1%	
AM Peak	11:00	09:00	10:00	11:00	10:00	11:00	10:00	06:00	10:00	11:00	10:00	07:00	05:00	09:00
Vol.	18	439	91	14	54	10	6	20	5	4	4	1	1	597
PM Peak	17:00	19:00	15:00	18:00	13:00	13:00	17:00	14:00	15:00	20:00	15:00	12:00	14:00	19:00
Vol.	20	520	88	13	29	5	3	15	1	4	2	1	1	599



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River Street  
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186591 B Class  
Site Code: Y16043.45

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
11/29/1														
8	0	75	25	4	4	0	0	0	1	0	0	0	0	109
01:00	1	29	23	2	1	0	0	2	0	0	0	0	0	58
02:00	0	19	11	1	4	1	0	0	0	0	0	0	0	36
03:00	1	24	8	0	5	1	0	1	2	0	0	0	0	42
04:00	1	34	16	5	11	2	0	4	1	0	0	0	0	74
05:00	4	157	56	10	34	3	0	9	2	2	0	0	0	277
06:00	9	303	105	15	53	7	1	21	2	0	2	0	0	518
07:00	16	381	83	15	33	2	0	17	1	3	1	0	0	552
08:00	12	460	63	12	15	7	3	14	2	2	1	2	0	593
09:00	22	380	70	11	29	6	4	9	3	6	1	0	1	542
10:00	18	411	106	16	46	2	2	14	3	4	2	1	0	625
11:00	10	354	111	6	27	2	1	15	3	2	2	0	0	533
12 PM	11	370	87	12	27	4	1	10	1	2	1	0	0	526
13:00	10	327	93	7	36	3	3	15	2	1	0	1	0	498
14:00	9	406	97	5	24	1	0	7	2	1	1	1	0	554
15:00	7	360	84	8	25	4	0	10	1	0	1	1	1	502
16:00	15	373	65	6	15	3	2	9	0	1	1	0	0	490
17:00	13	433	50	4	9	2	0	6	2	2	1	0	3	525
18:00	21	447	48	14	10	0	1	7	0	1	3	1	0	553
19:00	17	410	40	4	5	1	0	10	0	1	1	0	0	489
20:00	5	455	61	7	3	0	0	11	0	1	4	1	0	548
21:00	9	363	83	3	8	1	0	6	1	0	0	0	0	474
22:00	3	249	146	3	6	0	0	14	0	1	0	1	0	423
23:00	1	210	42	3	4	1	1	2	0	1	0	0	1	266
Total	215	7030	1573	173	434	53	19	213	29	31	22	9	6	9807
Percent	2.2%	71.7%	16.0%	1.8%	4.4%	0.5%	0.2%	2.2%	0.3%	0.3%	0.2%	0.1%	0.1%	
AM Peak	09:00	08:00	11:00	10:00	06:00	06:00	09:00	06:00	09:00	09:00	06:00	08:00	09:00	10:00
Vol.	22	460	111	16	53	7	4	21	3	6	2	2	1	625
PM Peak	18:00	20:00	22:00	18:00	13:00	12:00	13:00	13:00	13:00	12:00	20:00	13:00	17:00	14:00
Vol.	21	455	146	14	36	4	3	15	2	2	4	1	3	554



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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
11/30/1														
8	0	119	26	4	3	0	0	2	0	0	0	0	0	154
01:00	0	94	11	1	0	0	0	2	0	0	0	0	0	108
02:00	0	55	11	2	2	1	0	1	2	0	0	0	0	74
03:00	0	43	1	1	3	0	0	2	0	0	0	0	0	50
04:00	1	40	11	3	5	1	0	0	3	0	0	0	0	64
05:00	2	161	52	4	26	1	1	8	6	2	1	0	0	264
06:00	9	318	87	14	63	5	1	20	4	1	1	1	0	524
07:00	8	393	77	13	29	6	3	21	2	4	2	0	1	559
08:00	19	456	86	15	22	4	4	16	0	3	1	0	2	628
09:00	7	420	82	12	23	1	0	12	0	3	0	0	0	560
10:00	6	415	90	9	26	5	0	7	2	1	0	1	2	564
11:00	6	324	64	11	20	5	1	7	3	2	1	1	1	446
12 PM	13	371	75	14	18	4	4	6	0	1	1	0	1	508
13:00	7	382	49	4	22	4	0	7	1	1	1	0	3	481
14:00	11	358	63	5	15	2	0	9	1	1	1	0	2	468
15:00	18	378	49	8	11	1	1	6	0	2	2	0	1	477
16:00	5	445	43	9	9	2	1	10	1	0	0	0	0	525
17:00	17	433	25	8	2	4	1	4	0	1	1	0	0	496
18:00	15	409	39	15	13	1	1	4	3	2	3	0	0	505
19:00	10	555	37	10	3	2	0	7	1	1	1	0	0	627
20:00	7	417	21	7	9	1	1	3	0	1	2	0	2	471
21:00	1	400	41	4	3	1	0	5	1	0	2	0	0	458
22:00	5	415	44	4	3	1	1	3	0	0	0	0	0	476
23:00	3	338	50	5	5	0	0	1	1	0	0	0	0	403
Total	170	7739	1134	182	335	52	20	163	31	26	20	3	15	9890
Percent	1.7%	78.3%	11.5%	1.8%	3.4%	0.5%	0.2%	1.6%	0.3%	0.3%	0.2%	0.0%	0.2%	
AM Peak	08:00	08:00	10:00	08:00	06:00	07:00	08:00	07:00	05:00	07:00	07:00	06:00	08:00	08:00
Vol.	19	456	90	15	63	6	4	21	6	4	2	1	2	628
PM Peak	15:00	19:00	12:00	18:00	13:00	12:00	12:00	16:00	18:00	15:00	18:00		13:00	19:00
Vol.	18	555	75	15	22	4	4	10	3	2	3		3	627



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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
12/01/1														
8	1	163	106	2	0	1	0	7	0	0	0	0	0	280
01:00	2	172	48	1	4	0	0	4	0	0	0	0	0	231
02:00	0	137	30	1	6	0	0	3	1	0	0	0	0	178
03:00	0	44	11	1	0	0	0	2	1	2	0	0	0	61
04:00	0	35	5	0	3	0	0	1	0	0	0	0	0	44
05:00	1	58	30	0	4	1	0	4	1	0	0	0	0	99
06:00	1	98	44	5	24	0	0	2	2	0	0	0	0	176
07:00	0	176	51	5	24	1	0	4	1	0	0	0	0	262
08:00	5	261	53	10	19	7	0	6	3	0	1	0	0	365
09:00	4	398	63	3	23	3	0	9	0	1	1	0	2	507
10:00	12	430	59	6	15	2	0	6	1	0	0	0	1	532
11:00	9	464	46	8	9	2	5	8	0	0	2	0	0	553
12 PM	10	435	42	7	5	2	0	6	0	0	1	0	0	508
13:00	9	472	36	6	7	2	1	7	0	0	0	0	0	540
14:00	5	481	36	3	8	2	1	3	1	1	0	0	0	541
15:00	12	421	39	9	4	3	0	4	0	3	2	0	0	497
16:00	11	456	34	3	2	1	1	2	0	1	1	0	1	513
17:00	8	503	22	5	4	2	0	5	2	0	0	0	0	551
18:00	11	451	30	7	2	0	0	4	1	1	2	0	0	509
19:00	10	493	26	4	7	2	0	2	0	0	0	1	0	545
20:00	7	491	65	3	6	0	1	8	0	1	0	0	0	582
21:00	3	446	72	3	3	1	1	5	1	1	0	0	0	536
22:00	2	442	45	5	9	1	0	2	1	0	0	0	0	507
23:00	3	351	42	3	1	1	1	4	0	1	0	0	0	407
Total	126	7878	1035	100	189	34	11	108	16	12	10	1	4	9524
Percent	1.3%	82.7%	10.9%	1.0%	2.0%	0.4%	0.1%	1.1%	0.2%	0.1%	0.1%	0.0%	0.0%	
AM Peak	10:00	11:00	00:00	08:00	06:00	08:00	11:00	09:00	08:00	03:00	11:00		09:00	11:00
Vol.	12	464	106	10	24	7	5	9	3	2	2		2	553
PM Peak	15:00	17:00	21:00	15:00	22:00	15:00	13:00	20:00	17:00	15:00	15:00	19:00	16:00	20:00
Vol.	12	503	72	9	9	3	1	8	2	3	2	1	1	582





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12/02/1														
8	3	274	50	3	0	0	0	2	1	0	1	0	0	334
01:00	1	189	49	1	3	0	0	2	0	1	0	0	0	246
02:00	0	174	22	1	2	0	0	3	0	0	0	0	0	202
03:00	0	67	10	2	1	0	0	1	1	0	0	0	0	82
04:00	0	43	12	0	0	0	0	0	0	0	0	0	0	55
05:00	1	53	15	1	2	1	0	1	1	0	0	0	0	75
06:00	2	69	32	3	7	1	0	2	2	0	0	0	0	118
07:00	0	107	38	3	11	0	0	0	1	1	0	0	0	161
08:00	3	234	87	4	12	0	1	10	0	0	0	0	0	351
09:00	2	282	80	1	5	1	0	13	0	1	1	0	0	386
10:00	14	351	95	1	10	2	1	13	1	0	0	0	1	489
11:00	8	430	56	7	8	2	2	3	2	1	1	0	0	520
12 PM	3	457	70	3	13	1	0	7	1	2	1	0	2	560
13:00	14	445	86	3	11	0	0	8	0	1	1	0	0	569
14:00	9	445	56	5	7	3	0	7	0	2	1	0	0	535
15:00	3	462	54	5	1	1	1	5	0	1	0	0	0	533
16:00	14	475	75	7	8	1	1	7	1	1	2	0	0	592
17:00	6	447	31	3	3	2	0	5	0	1	0	0	0	498
18:00	11	439	51	4	3	1	0	1	2	2	1	0	0	515
19:00	2	430	45	3	1	0	0	4	1	1	0	0	0	487
20:00	2	416	79	4	6	6	0	8	0	0	0	0	0	521
21:00	5	370	63	0	6	0	0	6	2	1	0	0	0	453
22:00	1	235	71	2	3	0	0	2	1	2	0	0	0	317
23:00	1	162	35	2	2	0	0	0	1	0	0	0	0	203
Total	105	7056	1262	68	125	22	6	110	18	18	9	0	3	8802
Percent	1.2%	80.2%	14.3%	0.8%	1.4%	0.2%	0.1%	1.2%	0.2%	0.2%	0.1%	0.0%	0.0%	
AM Peak	10:00	11:00	10:00	11:00	08:00	10:00	11:00	09:00	06:00	01:00	00:00		10:00	11:00
Vol.	14	430	95	7	12	2	2	13	2	1	1		1	520
PM Peak	13:00	16:00	13:00	16:00	12:00	20:00	15:00	13:00	18:00	12:00	16:00		12:00	16:00
Vol.	14	475	86	7	13	6	1	8	2	2	2		2	592



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12/03/1														
8	0	95	31	1	1	0	0	0	0	0	0	0	0	128
01:00	0	50	10	4	2	0	0	1	0	0	0	0	0	67
02:00	0	35	1	0	3	0	0	0	0	0	0	0	0	39
03:00	0	16	5	2	1	1	0	1	1	0	0	0	0	27
04:00	0	43	16	3	9	3	1	0	2	0	0	0	0	77
05:00	1	147	58	7	25	5	0	3	0	4	2	0	1	253
06:00	16	330	86	12	49	5	1	18	4	4	1	0	0	526
07:00	14	368	64	11	23	3	0	16	0	0	3	0	1	503
08:00	16	414	68	12	20	8	0	5	3	4	2	0	0	552
09:00	12	483	82	4	21	4	4	14	1	1	0	0	3	629
10:00	7	428	51	13	20	1	2	10	4	1	1	1	0	539
11:00	5	410	86	6	20	2	0	14	1	1	0	0	0	545
12 PM	14	332	75	8	16	4	3	11	0	1	0	0	0	464
13:00	7	321	59	5	21	5	0	6	1	4	0	0	0	429
14:00	8	396	88	8	20	4	1	5	2	4	1	0	1	538
15:00	7	389	42	11	15	1	0	4	1	1	0	0	0	471
16:00	14	416	50	7	13	2	1	6	0	2	1	0	1	513
17:00	17	409	35	10	11	1	0	5	1	4	0	0	0	493
18:00	9	460	38	2	8	2	3	10	2	0	1	0	0	535
19:00	2	442	47	9	6	0	1	7	1	0	0	0	0	515
20:00	11	391	49	7	4	0	0	6	0	0	1	0	0	469
21:00	2	360	66	4	5	2	1	2	0	0	1	0	0	443
22:00	2	260	41	4	6	1	0	0	0	0	0	0	0	314
23:00	1	156	30	6	4	0	0	2	0	0	0	1	0	200
Total	165	7151	1178	156	323	54	18	146	24	31	14	2	7	9269
Percent	1.8%	77.1%	12.7%	1.7%	3.5%	0.6%	0.2%	1.6%	0.3%	0.3%	0.2%	0.0%	0.1%	
AM Peak	06:00	09:00	06:00	10:00	06:00	08:00	09:00	06:00	06:00	05:00	07:00	10:00	09:00	09:00
Vol.	16	483	86	13	49	8	4	18	4	4	3	1	3	629
PM Peak	17:00	18:00	14:00	15:00	13:00	13:00	12:00	12:00	14:00	13:00	14:00	23:00	14:00	14:00
Vol.	17	460	88	11	21	5	3	11	2	4	1	1	1	538



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12/04/1														
8	0	83	13	6	7	0	0	0	0	0	0	0	0	109
01:00	3	45	13	2	3	2	0	1	1	0	0	0	0	70
02:00	0	29	11	2	1	0	0	2	0	0	0	0	0	45
03:00	0	16	3	2	3	0	0	1	1	0	0	0	0	26
04:00	2	39	14	4	7	2	0	0	0	0	0	0	0	68
05:00	3	154	66	7	34	2	1	9	1	3	0	1	0	281
06:00	12	304	103	10	45	4	2	34	5	4	1	1	0	525
07:00	16	410	97	14	24	3	4	18	1	0	3	0	1	591
08:00	15	479	87	13	25	6	1	15	1	4	1	1	2	650
09:00	20	359	59	11	25	2	2	11	1	2	0	1	0	493
10:00	6	454	81	13	18	4	0	12	3	6	3	0	1	601
11:00	7	365	94	13	33	4	2	5	2	3	0	0	1	529
12 PM	4	358	79	6	29	5	1	13	0	2	2	0	0	499
13:00	8	386	106	11	26	6	0	12	1	0	1	0	0	557
14:00	5	400	83	5	22	5	0	10	1	2	2	1	0	536
15:00	8	407	55	6	12	1	1	13	1	3	1	0	0	508
16:00	15	415	61	3	10	2	0	7	1	1	1	0	1	517
17:00	9	415	42	11	7	0	2	11	0	2	2	0	0	501
18:00	11	434	53	5	7	4	2	2	0	0	1	0	0	519
19:00	7	421	35	7	5	0	0	6	2	0	1	0	1	485
20:00	5	449	46	8	8	2	0	8	0	1	0	0	0	527
21:00	3	328	55	9	4	1	0	5	0	0	0	0	0	405
22:00	2	308	44	2	3	0	0	3	0	1	1	0	0	364
23:00	0	172	25	7	2	0	0	2	1	1	0	0	0	210
Total	161	7230	1325	177	360	55	18	200	23	35	20	5	7	9616
Percent	1.7%	75.2%	13.8%	1.8%	3.7%	0.6%	0.2%	2.1%	0.2%	0.4%	0.2%	0.1%	0.1%	
AM Peak	09:00	08:00	06:00	07:00	06:00	08:00	07:00	06:00	06:00	10:00	07:00	05:00	08:00	08:00
Vol.	20	479	103	14	45	6	4	34	5	6	3	1	2	650
PM Peak	16:00	20:00	13:00	13:00	12:00	13:00	17:00	12:00	19:00	15:00	12:00	14:00	16:00	13:00
Vol.	15	449	106	11	29	6	2	13	2	3	2	1	1	557



PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

River Street  
west of Blackstone Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 B Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th %ile	Ave Speed
11/28/	14	19	24	29	34	39	44	49	54	59	64	69	9999			
18	5	7	24	54	24	8	0	0	0	0	0	0	0	122	31	26
01:00	2	8	10	22	15	1	2	0	0	0	0	0	0	60	32	26
02:00	0	2	13	8	7	4	1	0	0	0	0	0	0	35	33	27
03:00	0	5	8	10	8	1	2	0	0	0	0	0	0	34	32	27
04:00	3	6	7	24	16	4	1	1	0	0	0	0	0	62	32	27
05:00	14	33	67	82	56	16	5	0	0	0	0	0	0	273	32	25
06:00	51	82	130	132	56	14	1	0	0	0	0	0	0	466	29	23
07:00	136	110	173	111	22	5	0	0	0	0	0	0	0	557	26	19
08:00	153	180	122	57	11	0	0	0	0	0	0	0	0	523	23	17
09:00	175	167	173	60	18	3	1	0	0	0	0	0	0	597	23	17
10:00	136	141	181	103	22	5	0	0	0	0	0	0	1	589	26	19
11:00	152	134	131	75	18	4	0	0	0	0	0	0	0	514	25	18
12 PM	126	131	129	68	16	1	0	0	0	0	0	0	0	471	25	18
13:00	119	142	173	75	19	2	1	0	0	0	0	0	0	531	25	19
14:00	130	160	126	80	23	2	0	0	0	0	0	0	0	521	25	18
15:00	103	165	177	84	19	3	0	0	0	0	0	0	0	551	25	19
16:00	164	152	176	60	5	0	0	0	0	0	0	0	0	557	23	17
17:00	146	157	139	59	9	2	0	0	0	0	0	0	0	512	23	17
18:00	147	150	119	45	12	1	0	0	0	0	0	0	0	474	23	17
19:00	149	200	178	61	10	1	0	0	0	0	0	0	0	599	23	17
20:00	68	147	188	92	26	5	1	0	0	0	0	0	0	527	26	20
21:00	55	93	149	116	40	4	1	0	0	0	0	0	0	458	27	22
22:00	9	46	116	130	47	5	1	0	0	0	0	0	0	354	28	24
23:00	1	18	46	106	42	13	0	0	0	0	0	0	0	226	31	27
Total	2044	2436	2755	1714	541	104	17	1	0	0	0	0	1	9613		
%	21.3%	25.3%	28.7%	17.8%	5.6%	1.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	08:00	10:00	06:00	05:00	05:00	05:00	04:00						10:00	09:00	
Vol.	175	180	181	132	56	16	5	1					1	597		
PM Peak	16:00	19:00	20:00	22:00	22:00	23:00	13:00							19:00		
Vol.	164	200	188	130	47	13	1							599		

Stats

15th Percentile : 9 MPH  
50th Percentile : 19 MPH  
85th Percentile : 26 MPH  
95th Percentile : 30 MPH

Mean Speed(Average) : 19 MPH  
10 MPH Pace Speed : 15-24 MPH  
Number in Pace : 5191  
Percent in Pace : 54.0%  
Number of Vehicles > 25 MPH : 2035  
Percent of Vehicles > 25 MPH : 21.2%



PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
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River Street  
west of Blackstone Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 B Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th %ile	Ave Speed
11/29/	14	19	24	29	34	39	44	49	54	59	64	69	9999			
18	3	11	19	44	24	6	1	1	0	0	0	0	0	109	32	27
01:00	0	2	13	20	17	6	0	0	0	0	0	0	0	58	33	28
02:00	1	5	3	15	9	3	0	0	0	0	0	0	0	36	32	27
03:00	0	3	11	13	10	4	1	0	0	0	0	0	0	42	33	27
04:00	1	5	13	20	24	9	2	0	0	0	0	0	0	74	33	28
05:00	11	32	68	85	58	20	3	0	0	0	0	0	0	277	32	26
06:00	54	112	137	143	57	9	5	0	0	1	0	0	0	518	28	22
07:00	131	134	171	81	31	3	0	0	0	0	0	0	1	552	25	19
08:00	178	175	174	62	4	0	0	0	0	0	0	0	0	593	23	17
09:00	127	178	145	69	23	0	0	0	0	0	0	0	0	542	24	18
10:00	140	143	182	118	35	5	2	0	0	0	0	0	0	625	26	19
11:00	128	142	147	89	24	3	0	0	0	0	0	0	0	533	26	19
12 PM	161	137	133	69	22	3	0	0	1	0	0	0	0	526	25	17
13:00	127	133	119	90	28	1	0	0	0	0	0	0	0	498	26	18
14:00	120	159	171	79	24	1	0	0	0	0	0	0	0	554	25	19
15:00	109	166	131	70	22	4	0	0	0	0	0	0	0	502	25	18
16:00	141	137	130	68	14	0	0	0	0	0	0	0	0	490	24	17
17:00	217	164	104	35	4	0	0	0	0	0	0	0	1	525	22	15
18:00	181	173	125	58	14	1	0	0	0	0	0	1	0	553	23	17
19:00	172	113	137	60	7	0	0	0	0	0	0	0	0	489	23	17
20:00	88	115	186	133	24	2	0	0	0	0	0	0	0	548	26	20
21:00	51	115	162	106	37	2	1	0	0	0	0	0	0	474	27	21
22:00	22	62	128	136	55	15	5	0	0	0	0	0	0	423	30	24
23:00	6	31	80	99	47	3	0	0	0	0	0	0	0	266	30	25
Total	2169	2447	2689	1762	614	100	20	1	1	1	0	1	2	9807		
%	22.1%	25.0%	27.4%	18.0%	6.3%	1.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	10:00	06:00	05:00	05:00	06:00	00:00		06:00			07:00	10:00		
Vol.	178	178	182	143	58	20	5	1		1			1	625		
PM Peak	17:00	18:00	20:00	22:00	22:00	22:00	22:00		12:00			18:00	17:00	14:00		
Vol.	217	173	186	136	55	15	5		1			1	1	554		

Stats

15th Percentile : 9 MPH  
50th Percentile : 19 MPH  
85th Percentile : 26 MPH  
95th Percentile : 31 MPH

Mean Speed(Average) : 19 MPH  
10 MPH Pace Speed : 15-24 MPH  
Number in Pace : 5136  
Percent in Pace : 52.4%  
Number of Vehicles > 25 MPH : 2150  
Percent of Vehicles > 25 MPH : 21.9%



PRECISION  
D A T A  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

River Street  
west of Blackstone Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 B Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
11/30/	14	19	24	29	34	39	44	49	54	59	64	69	9999			
18	4	6	45	63	27	6	3	0	0	0	0	0	0	154	31	26
01:00	0	4	20	53	19	9	3	0	0	0	0	0	0	108	32	28
02:00	1	5	15	29	18	6	0	0	0	0	0	0	0	74	32	27
03:00	1	7	11	17	13	1	0	0	0	0	0	0	0	50	31	26
04:00	4	9	11	14	17	9	0	0	0	0	0	0	0	64	33	26
05:00	16	41	56	85	47	16	3	0	0	0	0	0	0	264	31	25
06:00	63	86	156	131	70	14	2	0	1	0	0	0	1	524	29	23
07:00	159	130	156	81	28	5	0	0	0	0	0	0	0	559	25	18
08:00	182	182	175	74	13	2	0	0	0	0	0	0	0	628	23	17
09:00	142	158	149	89	19	2	1	0	0	0	0	0	0	560	25	18
10:00	123	153	181	80	22	5	0	0	0	0	0	0	0	564	25	19
11:00	113	105	141	72	14	1	0	0	0	0	0	0	0	446	25	18
12 PM	172	160	116	42	17	1	0	0	0	0	0	0	0	508	23	16
13:00	129	166	118	57	9	2	0	0	0	0	0	0	0	481	23	17
14:00	148	154	107	48	10	1	0	0	0	0	0	0	0	468	23	17
15:00	159	159	96	51	12	0	0	0	0	0	0	0	0	477	23	16
16:00	243	144	115	20	3	0	0	0	0	0	0	0	0	525	21	14
17:00	200	119	146	25	6	0	0	0	0	0	0	0	0	496	22	15
18:00	220	152	107	24	2	0	0	0	0	0	0	0	0	505	21	14
19:00	177	166	202	72	10	0	0	0	0	0	0	0	0	627	23	17
20:00	114	122	163	54	16	0	1	0	0	0	0	0	1	471	24	18
21:00	67	129	147	97	13	3	2	0	0	0	0	0	0	458	26	20
22:00	42	109	166	132	22	4	1	0	0	0	0	0	0	476	27	22
23:00	25	70	134	133	35	6	0	0	0	0	0	0	0	403	28	23
Total	2504	2536	2733	1543	462	93	16	0	1	0	0	0	2	9890		
%	25.3%	25.6%	27.6%	15.6%	4.7%	0.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	10:00	06:00	06:00	05:00	00:00		06:00				06:00	08:00		
Vol.	182	182	181	131	70	16	3		1				1	628		
PM Peak	16:00	13:00	19:00	23:00	23:00	23:00	21:00						20:00	19:00		
Vol.	243	166	202	133	35	6	2						1	627		

Stats

15th Percentile : 8 MPH  
 50th Percentile : 18 MPH  
 85th Percentile : 26 MPH  
 95th Percentile : 29 MPH

Mean Speed(Average) : 18 MPH  
 10 MPH Pace Speed : 15-24 MPH  
 Number in Pace : 5269  
 Percent in Pace : 53.3%  
 Number of Vehicles > 25 MPH : 1808  
 Percent of Vehicles > 25 MPH : 18.3%



PRECISION  
D A T A  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
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River Street  
west of Blackstone Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 B Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
12/01/	14	19	24	29	34	39	44	49	54	59	64	69	9999			
18	3	22	89	116	<b>45</b>	5	0	0	0	0	0	0	0	280	29	25
01:00	8	15	69	87	45	7	0	0	0	0	0	0	0	231	30	25
02:00	1	13	47	71	37	8	<b>1</b>	0	0	0	0	0	0	178	31	26
03:00	1	2	12	26	14	6	0	0	0	0	0	0	0	61	32	27
04:00	2	3	9	17	12	1	0	0	0	0	0	0	0	44	31	26
05:00	2	6	31	28	25	5	<b>1</b>	<b>1</b>	0	0	0	0	0	99	32	27
06:00	5	29	44	54	30	12	1	1	0	0	0	0	0	176	31	25
07:00	10	42	82	74	38	<b>15</b>	1	0	0	0	0	0	0	262	30	24
08:00	42	83	120	84	28	8	0	0	0	0	0	0	0	365	27	21
09:00	64	104	149	<b>147</b>	39	3	1	0	0	0	0	0	0	507	27	21
10:00	115	122	<b>179</b>	81	32	3	0	0	0	0	0	0	0	532	26	19
11:00	<b>152</b>	<b>158</b>	159	70	10	3	0	0	0	0	0	0	<b>1</b>	<b>553</b>	24	17
12 PM	169	144	132	48	13	2	0	0	0	0	0	0	0	508	23	17
13:00	148	165	152	63	12	0	0	0	0	0	0	0	0	540	23	17
14:00	181	172	144	41	3	0	0	0	0	0	0	0	0	541	22	16
15:00	<b>198</b>	123	137	36	3	0	0	0	0	0	0	0	0	497	22	15
16:00	177	162	127	39	5	1	0	<b>1</b>	0	0	0	0	<b>1</b>	513	22	16
17:00	174	152	161	56	8	0	0	0	0	0	0	0	0	551	23	17
18:00	156	141	162	36	13	1	0	0	0	0	0	0	0	509	23	17
19:00	119	<b>182</b>	178	59	6	1	0	0	0	0	0	0	0	545	23	18
20:00	103	165	185	108	19	1	0	1	0	0	0	0	0	<b>582</b>	25	19
21:00	75	129	<b>204</b>	113	14	1	0	0	0	0	0	0	0	536	26	20
22:00	52	109	194	<b>128</b>	21	3	0	0	0	0	0	0	0	507	26	21
23:00	32	82	153	99	<b>34</b>	<b>7</b>	0	0	0	0	0	0	0	407	27	22
Total	1989	2325	2919	1681	506	93	5	4	0	0	0	0	2	9524		
%	20.9%	24.4%	30.6%	17.7%	5.3%	1.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	10:00	09:00	00:00	07:00	02:00	05:00						11:00	11:00	
Vol.	152	158	179	147	45	15	1	1						1	553	
PM Peak	15:00	19:00	21:00	22:00	23:00	23:00		16:00						16:00	20:00	
Vol.	198	182	204	128	34	7		1						1	582	

Stats

15th Percentile : 10 MPH  
 50th Percentile : 19 MPH  
 85th Percentile : 26 MPH  
 95th Percentile : 30 MPH

Mean Speed(Average) : 19 MPH  
 10 MPH Pace Speed : 15-24 MPH  
 Number in Pace : 5244  
 Percent in Pace : 55.1%  
 Number of Vehicles > 25 MPH : 1955  
 Percent of Vehicles > 25 MPH : 20.5%



PRECISION  
D A T A  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
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River Street  
west of Blackstone Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 B Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
12/02/	14	19	24	29	34	39	44	49	54	59	64	69	9999			
18	15	44	118	<b>117</b>	32	7	1	0	0	0	0	0	0	334	28	24
01:00	3	18	58	116	39	<b>10</b>	2	0	0	0	0	0	0	246	30	26
02:00	3	13	59	84	<b>41</b>	2	0	0	0	0	0	0	0	202	30	26
03:00	1	10	32	23	16	0	0	0	0	0	0	0	0	82	30	25
04:00	2	6	18	17	10	2	0	0	0	0	0	0	0	55	30	25
05:00	4	14	26	17	13	1	0	0	0	0	0	0	0	75	30	23
06:00	6	21	35	36	15	5	0	0	0	0	0	0	0	118	29	24
07:00	4	25	29	58	37	7	1	0	0	0	0	0	0	161	31	26
08:00	23	68	112	103	35	7	<b>3</b>	0	0	0	0	0	0	351	28	23
09:00	46	95	<b>144</b>	77	19	5	0	0	0	0	0	0	0	386	26	21
10:00	115	115	134	93	27	2	3	0	0	0	0	0	0	489	26	19
11:00	<b>144</b>	<b>169</b>	138	56	13	0	0	0	0	0	0	0	0	<b>520</b>	23	17
12 PM	115	<b>203</b>	167	66	6	3	0	0	0	0	0	0	0	560	23	18
13:00	157	186	159	58	9	0	0	0	0	0	0	0	0	569	23	17
14:00	144	187	149	48	6	1	0	0	0	0	0	0	0	535	23	17
15:00	142	189	150	38	12	2	0	0	0	0	0	0	0	533	23	17
16:00	<b>210</b>	165	149	62	6	0	0	0	0	0	0	0	0	<b>592</b>	23	16
17:00	203	150	118	23	4	0	0	0	0	0	0	0	0	498	21	15
18:00	150	172	140	47	6	0	0	0	0	0	0	0	0	515	23	17
19:00	87	154	146	71	25	4	0	0	0	0	0	0	0	487	25	19
20:00	56	137	<b>193</b>	<b>104</b>	26	4	1	0	0	0	0	0	0	521	26	21
21:00	50	129	163	88	19	3	0	0	0	0	0	0	<b>1</b>	453	26	20
22:00	14	61	107	99	31	4	1	0	0	0	0	0	0	317	28	23
23:00	4	29	57	74	<b>32</b>	<b>5</b>	<b>2</b>	0	0	0	0	0	0	203	30	25
Total	1698	2360	2601	1575	479	74	14	0	0	0	0	0	0	8802		
%	19.3%	26.8%	29.6%	17.9%	5.4%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	09:00	00:00	02:00	01:00	08:00								11:00	
Vol.	144	169	144	117	41	10	3								520	
PM Peak	16:00	12:00	20:00	20:00	23:00	23:00	23:00						21:00	16:00		
Vol.	210	203	193	104	32	5	2						1	592		

Stats	15th Percentile :	10 MPH
	50th Percentile :	19 MPH
	85th Percentile :	26 MPH
	95th Percentile :	30 MPH
	Mean Speed(Average) :	19 MPH
	10 MPH Pace Speed :	15-24 MPH
	Number in Pace :	4961
	Percent in Pace :	56.4%
	Number of Vehicles > 25 MPH :	1828
	Percent of Vehicles > 25 MPH :	20.8%





PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

River Street  
west of Blackstone Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 B Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
12/03/	14	19	24	29	34	39	44	49	54	59	64	69	9999			
18	1	7	33	55	31	0	1	0	0	0	0	0	0	128	31	26
01:00	2	8	12	30	12	3	0	0	0	0	0	0	0	67	31	26
02:00	0	4	9	17	9	0	0	0	0	0	0	0	0	39	30	26
03:00	0	2	3	14	5	2	1	0	0	0	0	0	0	27	32	28
04:00	2	6	14	29	18	7	1	0	0	0	0	0	0	77	33	27
05:00	24	32	72	58	49	15	3	0	0	0	0	0	0	253	31	24
06:00	71	121	167	129	34	3	0	0	1	0	0	0	0	526	27	21
07:00	148	136	128	69	21	1	0	0	0	0	0	0	0	503	25	18
08:00	187	144	135	66	14	6	0	0	0	0	0	0	0	552	24	17
09:00	139	181	192	91	21	4	0	1	0	0	0	0	0	629	25	19
10:00	117	132	168	92	23	6	0	0	0	0	0	0	1	539	26	19
11:00	91	142	182	110	17	2	0	0	0	0	0	0	1	545	26	20
12 PM	133	131	120	49	24	7	0	0	0	0	0	0	0	464	25	18
13:00	105	122	129	59	10	3	1	0	0	0	0	0	0	429	24	18
14:00	125	162	149	79	18	4	1	0	0	0	0	0	0	538	25	18
15:00	141	129	123	59	16	2	1	0	0	0	0	0	0	471	24	17
16:00	142	152	148	60	8	2	1	0	0	0	0	0	0	513	23	17
17:00	184	143	118	40	6	2	0	0	0	0	0	0	0	493	22	16
18:00	163	161	145	46	17	1	1	0	0	0	0	0	1	535	23	17
19:00	130	120	157	91	15	1	1	0	0	0	0	0	0	515	25	18
20:00	64	117	171	96	17	4	0	0	0	0	0	0	0	469	26	20
21:00	39	99	162	114	27	2	0	0	0	0	0	0	0	443	27	22
22:00	12	29	110	119	39	5	0	0	0	0	0	0	0	314	28	24
23:00	4	17	40	75	48	10	6	0	0	0	0	0	0	200	32	27
Total	2024	2297	2687	1647	499	92	18	1	1	0	0	0	3	9269		
%	21.8%	24.8%	29.0%	17.8%	5.4%	1.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	09:00	06:00	05:00	05:00	05:00	09:00	06:00					10:00	09:00	
Vol.	187	181	192	129	49	15	3	1	1					1	629	
PM Peak	17:00	14:00	20:00	22:00	23:00	23:00	23:00							18:00	14:00	
Vol.	184	162	171	119	48	10	6							1	538	

Stats	15th Percentile :	9 MPH
	50th Percentile :	19 MPH
	85th Percentile :	26 MPH
	95th Percentile :	30 MPH
	Mean Speed(Average) :	19 MPH
	10 MPH Pace Speed :	15-24 MPH
	Number in Pace :	4984
	Percent in Pace :	53.8%
	Number of Vehicles > 25 MPH :	1932
	Percent of Vehicles > 25 MPH :	20.8%



PRECISION  
D A T A  
INDUSTRIES, LLC

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River Street  
west of Blackstone Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 B Speed  
Site Code: Y16043.45

Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
12/04/	14	19	24	29	34	39	44	49	54	59	64	69	9999			
18	2	5	31	43	25	3	0	0	0	0	0	0	0	109	31	26
01:00	2	9	14	24	19	2	0	0	0	0	0	0	0	70	31	26
02:00	1	2	12	12	10	6	2	0	0	0	0	0	0	45	35	28
03:00	1	1	7	6	9	2	0	0	0	0	0	0	0	26	32	27
04:00	6	11	14	14	18	4	1	0	0	0	0	0	0	68	32	25
05:00	13	30	54	102	55	20	7	0	0	0	0	0	0	281	32	26
06:00	72	87	163	123	73	6	1	0	0	0	0	0	0	525	29	22
07:00	156	144	177	88	22	2	2	0	0	0	0	0	0	591	25	18
08:00	141	172	221	90	25	1	0	0	0	0	0	0	0	650	25	19
09:00	169	137	149	30	5	2	0	0	1	0	0	0	0	493	22	16
10:00	112	166	201	105	16	1	0	0	0	0	0	0	0	601	25	19
11:00	132	131	151	80	27	7	1	0	0	0	0	0	0	529	26	19
12 PM	110	146	171	61	10	1	0	0	0	0	0	0	0	499	23	18
13:00	132	129	174	94	24	4	0	0	0	0	0	0	0	557	26	19
14:00	109	186	140	67	29	1	2	1	0	0	0	0	1	536	25	19
15:00	124	154	143	66	19	2	0	0	0	0	0	0	0	508	24	18
16:00	151	138	149	60	16	3	0	0	0	0	0	0	0	517	24	17
17:00	152	151	143	45	10	0	0	0	0	0	0	0	0	501	23	17
18:00	168	144	138	58	9	1	0	0	0	0	0	0	1	519	23	17
19:00	149	127	122	67	17	2	1	0	0	0	0	0	0	485	25	17
20:00	73	150	175	103	23	3	0	0	0	0	0	0	0	527	26	20
21:00	71	95	115	96	24	4	0	0	0	0	0	0	0	405	27	20
22:00	20	53	126	122	41	1	1	0	0	0	0	0	0	364	28	23
23:00	4	21	65	87	25	6	2	0	0	0	0	0	0	210	29	25
Total	2070	2389	2855	1643	551	84	20	1	1	0	0	0	2	9616		
%	21.5%	24.8%	29.7%	17.1%	5.7%	0.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	08:00	08:00	06:00	06:00	05:00	05:00		09:00					08:00		
Vol.	169	172	221	123	73	20	7		1					650		
PM Peak	18:00	14:00	20:00	22:00	22:00	23:00	14:00	14:00					14:00	13:00		
Vol.	168	186	175	122	41	6	2	1					1	557		

Stats	15th Percentile :	9 MPH
	50th Percentile :	19 MPH
	85th Percentile :	26 MPH
	95th Percentile :	30 MPH
	Mean Speed(Average) :	19 MPH
	10 MPH Pace Speed :	15-24 MPH
	Number in Pace :	5244
	Percent in Pace :	54.5%
	Number of Vehicles > 25 MPH :	1973
	Percent of Vehicles > 25 MPH :	20.5%



PRECISION  
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INDUSTRIES, LLC

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River Street  
west of Blackstone Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 B Volume  
Site Code: Y16043.45

Start Time	11/28/2018		11/29/2018		11/30/2018		12/1/2018		12/2/2018		12/3/2018		12/4/2018		Week Average	
	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB
12:00 AM	122	0	109	0	154	0	280	0	334	0	128	0	109	0	177	0
01:00	60	0	58	0	108	0	231	0	246	0	67	0	70	0	120	0
02:00	35	0	36	0	74	0	178	0	202	0	39	0	45	0	87	0
03:00	34	0	42	0	50	0	61	0	82	0	27	0	26	0	46	0
04:00	62	0	74	0	64	0	44	0	55	0	77	0	68	0	63	0
05:00	273	0	277	0	264	0	99	0	75	0	253	0	281	0	217	0
06:00	466	0	518	0	524	0	176	0	118	0	526	0	525	0	408	0
07:00	557	0	552	0	559	0	262	0	161	0	503	0	591	0	455	0
08:00	523	0	593	0	628	0	365	0	351	0	552	0	650	0	523	0
09:00	597	0	542	0	560	0	507	0	386	0	629	0	493	0	531	0
10:00	589	0	625	0	564	0	532	0	489	0	539	0	601	0	563	0
11:00	514	0	533	0	446	0	553	0	520	0	545	0	529	0	520	0
12:00 PM	471	0	526	0	508	0	508	0	560	0	464	0	499	0	505	0
01:00	531	0	498	0	481	0	540	0	569	0	429	0	557	0	515	0
02:00	521	0	554	0	468	0	541	0	535	0	538	0	536	0	528	0
03:00	551	0	502	0	477	0	497	0	533	0	471	0	508	0	506	0
04:00	557	0	490	0	525	0	513	0	592	0	513	0	517	0	530	0
05:00	512	0	525	0	496	0	551	0	498	0	493	0	501	0	511	0
06:00	474	0	553	0	505	0	509	0	515	0	535	0	519	0	516	0
07:00	599	0	489	0	627	0	545	0	487	0	515	0	485	0	535	0
08:00	527	0	548	0	471	0	582	0	521	0	469	0	527	0	521	0
09:00	458	0	474	0	458	0	536	0	453	0	443	0	405	0	461	0
10:00	354	0	423	0	476	0	507	0	317	0	314	0	364	0	394	0
11:00	226	0	266	0	403	0	407	0	203	0	200	0	210	0	274	0
Total	9613	0	9807	0	9890	0	9524	0	8802	0	9269	0	9616	0	9506	0
Day	9613		9807		9890		9524		8802		9269		9616		9506	
AM Peak	09:00	-	10:00	-	08:00	-	11:00	-	11:00	-	09:00	-	08:00	-	10:00	-
Vol.	597	-	625	-	628	-	553	-	520	-	629	-	650	-	563	-
PM Peak	19:00	-	14:00	-	19:00	-	20:00	-	16:00	-	14:00	-	13:00	-	19:00	-
Vol.	599	-	554	-	627	-	582	-	592	-	538	-	557	-	535	-

Comb. Total	9613	9807	9890	9524	8802	9269	9616	9506
ADT	ADT 9,503	AADT 9,503						









PRECISION  
D A T A  
INDUSTRIES, LLC

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River Street  
west of Blackstone Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 B Volume  
Site Code: Y16043.45

Start Time	A.M.	EB	P.M.											Sat 12/1/201 8	
12:00	73		117												
12:15	60		129												
12:30	83		144												
12:45	64	280	118	508											
01:00	65		155												
01:15	54		117												
01:30	67		170												
01:45	45	231	98	540											
02:00	44		134												
02:15	63		128												
02:30	41		120												
02:45	30	178	159	541											
03:00	19		134												
03:15	20		146												
03:30	11		124												
03:45	11	61	93	497											
04:00	14		143												
04:15	8		125												
04:30	9		139												
04:45	13	44	106	513											
05:00	16		131												
05:15	18		137												
05:30	26		156												
05:45	39	99	127	551											
06:00	47		126												
06:15	31		131												
06:30	51		110												
06:45	47	176	142	509											
07:00	54		127												
07:15	53		152												
07:30	61		113												
07:45	94	262	153	545											
08:00	96		172												
08:15	79		129												
08:30	94		149												
08:45	96	365	132	582											
09:00	103		136												
09:15	122		149												
09:30	139		140												
09:45	143	507	111	536											
10:00	142		120												
10:15	143		142												
10:30	125		126												
10:45	122	532	119	507											
11:00	144		102												
11:15	138		110												
11:30	120		114												
11:45	151	553	81	407											
Total	3288		6236												
Percent			100.0 %	0.0%	0.0%										
Day Total		9524													
Peak	09:30	-	07:45	-	-	-	-	-	-	-	-	-	-	-	
Vol.	567	-	603	-	-	-	-	-	-	-	-	-	-	-	
P.H.F.	0.991		0.876												



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River Street  
west of Blackstone Street  
City, State: Cambridge, MA  
Client: McMahon/ E. Fredette

186591 B Volume  
Site Code: Y16043.45

Start Time	A.M.	EB	P.M.											
12:00	109		152											
12:15	73		125											
12:30	77		132											
12:45	75	334	151	560										
01:00	67		160											
01:15	69		153											
01:30	46		121											
01:45	64	246	135	569										
02:00	66		163											
02:15	49		133											
02:30	51		133											
02:45	36	202	106	535										
03:00	36		130											
03:15	17		161											
03:30	8		119											
03:45	21	82	123	533										
04:00	15		176											
04:15	8		117											
04:30	14		140											
04:45	18	55	159	592										
05:00	17		137											
05:15	18		108											
05:30	18		124											
05:45	22	75	129	498										
06:00	21		147											
06:15	30		119											
06:30	39		124											
06:45	28	118	125	515										
07:00	34		110											
07:15	38		118											
07:30	44		133											
07:45	45	161	126	487										
08:00	67		135											
08:15	90		128											
08:30	86		156											
08:45	108	351	102	521										
09:00	136		126											
09:15	112		113											
09:30	107		85											
09:45	31	386	129	453										
10:00	90		71											
10:15	111		98											
10:30	134		68											
10:45	154	489	80	317										
11:00	149		58											
11:15	125		44											
11:30	119		64											
11:45	127	520	37	203										
Total	3019		5783											
Percent			100.0 %	0.0%	0.0%									
Day Total		8802												
Peak	10:30	-	00:30	-	-	-	-	-	-	-	-	-	-	-
Vol.	562	-	596	-	-	-	-	-	-	-	-	-	-	-
P.H.F.	0.912		0.931											









## Appendix C.0 Traffic Projection Model

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**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Vehicles & Bicycles in Roadway**

**Weekday Morning Peak Hour**

Intersection	Dir.	Turn	2018 Existing Volumes Cars	2018 Existing Volumes HV	2018 Existing Volumes Buses	2018 Existing Volumes Vehicles	Vehicle Volume Balancing	2018 Existing Vehicles Balanced	Dec. 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seas. Adj. Balanced 1.14	2018 Existing Volumes Bikes	Critical Sums New Vehicle Trips	2030 Baseline Volumes Vehicles	Mode Growth Bikes 5% per year	2030 Baseline Bike Volumes
River Street at Memorial Drive	EB	L	188	5	0	193		193	0	0		0	0	193	0	0
		T	783	31	17	831		831	8	19		19	42	873	15	34
	NB	R	764	4	3	771		771	1	1		1	0	771	1	2
		T	577	3	1	581		581	0	0		0	9	590	0	0
	SB	R	86	0	2	88		88	0	10		10	0	88	8	18
		T	73	1	1	75		75	1	0		0	0	75	0	0
		T	849	2	4	855		855	0	0		0	3	858	0	0
River Street at Putnam Avenue	EB	L	62	3	1	66		66	1		0	1	3	69	1	2
		T	569	20	12	601		601	11		14	25	3	604	20	45
	NB	R	150	8	5	163		163	4		1	5	36	199	4	9
		T	73	2	1	76		76	23		3	26	41	117	21	47
	SB	R	10	6	0	16		16	0		0	0	29	45	0	0
		T	78	2	2	82		82	2		2	4	0	82	3	7
		T	192	2	3	197		197	17		2	19	46	243	15	34
River Street at Howard Street & Kelly Road	EB	L	28	2	0	30		30	1		0	1	0	30	1	2
		T	618	27	14	659		659	20		11	31	32	691	25	56
	NB	R	31	1	0	32		32	0		0	0	0	32	0	0
		T	22	0	0	22		22	3		0	3	0	22	2	5
	SB	R	4	0	0	4		4	0		0	0	4	8	0	0
		T	14	1	2	17		17	1		0	1	0	17	1	2
		T	15	0	1	16		16	3		0	3	3	19	2	5
River Street at Kinnaird Street	EB	L	7	1	0	8		8	0	6		6	0	8	5	11
		T	611	28	16	655		655	21	30		30	36	691	24	54
	NB	R	3	0	0	3		3	0		0	0	0	3	0	0
		T	43	0	0	43		43	6		1	7	0	43	6	13
	SB	R	0	0	0	0		0	0		0	0	0	0	0	0
		T	7	2	0	9		9	3	0		0	0	9	0	0
		T	1	0	0	1		1	3		0	3	0	1	2	5
Pleasant Street at Kinnaird Street	EB	L	41	0	0	41		41	6		1	7	0	41	6	13
		T	81	2	6	89		89	4		1	5	0	89	4	9
	NB	R	4	0	0	4		4	0		0	0	0	4	0	0
		T	1	0	0	1		1	0		0	0	0	1	0	0
	SB	R	2	0	0	2		2	1		0	1	0	2	1	2
		T	2	0	0	2		2	0		0	0	0	2	0	0
		T	2	0	0	2		2	3		0	3	0	2	2	5

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Vehicles & Bicycles in Roadway**

**Weekday Morning Peak Hour**

Intersection	Dir.	Turn	2018 Existing Volumes Cars	2018 Existing Volumes HV	2018 Existing Volumes Buses	2018 Existing Volumes Vehicles	Vehicle Volume Balancing	2018 Existing Vehicles Balanced	Dec. 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seas. Adj. Balanced 1.14	2018 Existing Volumes Bikes	Critical Sums New Vehicle Trips	2030 Baseline Volumes Vehicles	Mode Growth Bikes 5% per year	2030 Baseline Bike Volumes
River Street at Pleasant Street & Cottage Street	EB	BL	7	0	0	7		7	0		0	0	0	7	0	0
		T	613	28	16	657		657	25		4	29	36	693	23	52
	NB	BR	13	1	0	14		14	0		0	0	0	14	0	0
		R	10	0	0	10		10	0		0	0	0	10	0	0
	NEB	T	4	0	0	4		4	2		0	2	0	4	2	4
		BR	80	2	7	89		89	2		0	2	0	89	2	4
River Street at Franklin Street	EB	T	562	23	24	609		609	26	32		32	36	645	25	57
		R	122	2	1	125		125	2	0		0	0	125	0	0
	SB	L	44	2	0	46		46	11	3		3	0	46	2	5
		T	223	6	8	237		237	25	15		15	0	237	12	27
River Street at Green Street & Western Avenue	EB	U	13	0	0	13		13	0	0		0	0	13	0	0
		L	58	2	0	60		60	1	2	0	2	0	60	2	4
		T	527	27	25	579		579	38	13	10	23	36	615	18	41
	WB	T	364	15	8	387		387	16	11		11	51	438	9	20
		R	18	2	0	20		20	0	1		1	0	20	1	2
	NB	L	67	4	7	78		78	2	5		5	0	78	4	9
		T	65	2	0	67		67	8	8		8	0	67	6	14
		R	41	6	5	52		52	1	0		0	0	52	0	0
Magazine Street at Green Street	EB	L	59	4	1	64		64	4		1	5	0	64	4	9
		T	0	0	9	9		9	8		1	9	0	9	7	16
	NB	L	14	1	7	22		22	2		2	4	0	22	3	7
		T	113	9	11	133		133	3		3	6	0	133	5	11
		R	1	0	0	1		1	0		0	0	0	1	0	0
River Street at Massachusetts Avenue & Prospect Street	EB	T	489	11	20	520		520	14	18		18	73	593	14	32
		R	85	14	20	119		119	0	14		14	20	139	11	25
	WB	T	333	15	6	354	6	360	13	10		10	47	407	8	18
		R	25	5	0	30		30	0	1		1	11	41	1	2
	NB	T	158	27	12	197		197	34	31	11	42	84	281	33	75
		R	112	5	2	119		119	4	3		3	26	145	2	5
	SB	T	244	13	14	271	37	308	89	106	75	181	35	343	144	325
		R	27	1	0	28		28	0	0	2	2	4	32	2	4
Franklin Street at Magazine Street	EB	T	58	3	4	65		65	14		2	16	0	65	13	29
		R	20	0	0	20		20	5		1	6	0	20	5	11
	WB	L	10	0	1	11		11	1		0	1	0	11	1	2
		T	7	1	5	13		13	5		-1	4	0	13	3	7
	SB	L	4	1	6	11		11	0		0	0	0	11	0	0
		T	227	3	1	231		231	11		-3	8	0	231	6	14
		R	114	4	2	120		120	16		-5	11	0	120	9	20

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Vehicles & Bicycles in Roadway**

**Weekday Morning Peak Hour**

Intersection	Dir.	Turn	2018 Existing Volumes Cars	2018 Existing Volumes HV	2018 Existing Volumes Buses	2018 Existing Volumes Vehicles	Vehicle Volume Balancing	2018 Existing Vehicles Balanced	Dec. 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seas. Adj. Balanced 1.71	2018 Existing Volumes Bikes	Critical Sums New Vehicle Trips	2030 Baseline Volumes Vehicles	Mode Growth Bikes 5% per year	2030 Baseline Bike Volumes
River Street at Memorial Drive	EB	L	280	0	0	280		280	0	0		0	0	280	0	0
		T	730	3	11	744		744	7	5		5	24	768	4	9
	NB	R	587	2	0	589		589	0	2		2	0	589	2	4
		T	830	0	1	831		831	0	0		0	4	835	0	0
	SB	R	51	0	0	51		51	0	3		3	0	51	2	5
		L	86	1	0	87		87	0	0		0	0	87	0	0
	T	598	0	1	599		599	0	1		1	3	602	1	2	
River Street at Putnam Avenue	EB	L	79	0	0	79		79	0		0	0	3	82	0	0
		T	611	4	9	624		624	9		6	15	3	627	12	27
	NB	R	93	0	2	95		95	3		2	5	18	113	4	9
		T	255	1	1	257		257	10		7	17	73	330	14	31
	SB	R	31	0	0	31		31	1		1	2	23	54	2	4
		L	44	1	0	45		45	1		1	2	0	45	2	4
	T	104	0	0	104		104	11		8	19	41	145	15	34	
River Street at Howard Street & Kelly Road	EB	L	62	0	0	62		62	0		0	0	0	62	0	0
		T	628	5	9	642		642	11		8	19	26	668	15	34
	NB	R	23	0	0	23		23	1		1	2	0	23	2	4
		T	45	0	0	45		45	0		0	0	0	45	0	0
	SB	R	2	0	0	2		2	0		0	0	2	4	0	0
		L	12	1	0	13		13	0		0	0	0	13	0	0
	T	21	0	0	21		21	2		1	3	4	25	2	5	
River Street at Kinnaird Street	EB	L	18	1	0	19		19	0	2		2	0	19	2	4
		T	595	8	7	610		610	11	22		22	28	638	18	40
	NB	R	4	0	0	4		4	0		0	0	0	4	0	0
		T	76	0	0	76		76	0		0	0	0	76	0	0
	SB	R	1	0	0	1		1	0		0	0	0	1	0	0
		L	9	0	0	9		9	0	1		1	0	9	1	2
	T	3	0	0	3		3	0		0	0	0	3	0	0	
Pleasant Street at Kinnaird Street	EB	L	72	0	0	72		72	1		1	2	0	72	2	4
		T	78	1	3	82		82	2		1	3	1	83	2	5
	NB	R	1	0	0	1		1	0		0	0	0	1	0	0
		T	3	0	0	3		3	0		0	0	0	3	0	0
	SB	R	2	0	0	2		2	2		1	3	0	2	2	5
		L	4	0	0	4		4	0		0	0	0	4	0	0
	T	3	0	0	3		3	0		0	0	0	3	0	0	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Vehicles & Bicycles in Roadway**

**Weekday Morning Peak Hour**

Intersection	Dir.	Turn	2018 Existing Volumes Cars	2018 Existing Volumes HV	2018 Existing Volumes Buses	2018 Existing Volumes Vehicles	Vehicle Volume Balancing	2018 Existing Vehicles Balanced	Dec. 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seas. Adj. Balanced 1.71	2018 Existing Volumes Bikes	Critical Sums New Vehicle Trips	2030 Baseline Volumes Vehicles	Mode Growth Bikes 5% per year	2030 Baseline Bike Volumes
River Street at Pleasant Street & Cottage Street	EB	BL	13	1	0	14		14	0		0	0	0	14	0	0
		T	590	5	10	605		605	9		9	18	28	633	14	32
	NB	BR	68	0	0	68		68	0		0	0	0	68	0	0
		R	24	1	0	25		25	2		1	3	0	25	2	5
	NEB	T	8	0	0	8		8	0		0	0	0	8	0	0
		BR	67	1	3	71		71	3		2	5	0	71	4	9
River Street at Franklin Street	EB	T	635	7	13	655		655	13	26		26	28	683	21	47
		R	85	0	0	85		85	2	0		0	0	85	0	0
	SB	L	47	0	1	48		48	3	4		4	0	48	3	7
		T	158	1	5	164		164	13	17		17	0	164	14	31
River Street at Green Street & Western Avenue	EB	U	17	0	0	17		17	0	0		0	0	17	0	0
		L	131	3	0	134		134	1	1		1	0	134	1	2
		T	536	2	14	552		552	12	22		22	28	580	18	40
	WB	T	412	7	9	428		428	34	61		61	76	504	49	110
		R	24	0	0	24		24	1	2		2	0	24	2	4
	NB	L	147	3	9	159		159	12	9		9	0	159	7	16
		T	82	0	0	82		82	6	10		10	0	82	8	18
		R	68	0	0	68		68	0	1		1	0	68	1	2
Magazine Street at Green Street	EB	L	71	0	0	71		71	3		2	5	0	71	4	9
		T	2	0	10	12		12	7		5	12	0	12	10	22
	NB	L	17	0	4	21		21	2		0	2	0	21	2	4
		T	223	3	9	235		235	16		0	16	0	235	13	29
		R	1	0	3	4		4	1		0	1	0	4	1	2
River Street at Massachusetts Avenue & Prospect Street	EB	T	468	1	11	480		480	17	23		23	48	528	18	41
		R	138	5	14	157		157	2	6		6	14	171	5	11
	WB	T	401	7	7	415		415	17	38		38	65	480	30	68
		R	30	1	1	32		32	0	2		2	6	38	2	4
	NB	T	251	5	16	272	16	288	107	208		208	84	372	166	374
		R	75	2	0	77		77	25	17		17	39	116	14	31
	SB	T	210	1	18	229		229	42	77		77	60	289	61	138
		R	39	0	0	39		39	0	0	25	25	11	50	20	45
Franklin Street at Magazine Street	EB	T	69	0	3	72		72	12		9	21	0	72	17	38
		R	24	1	1	26		26	0		0	0	0	26	0	0
	WB	L	7	0	0	7		7	0		0	0	0	7	0	0
		T	12	0	4	16		16	6		-2	4	0	16	3	7
	SB	L	8	0	5	13		13	0		0	0	0	13	0	0
		T	132	0	0	132		132	3		1	4	0	132	3	7
		R	98	1	0	99		99	11		6	17	0	99	14	31

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Morning Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.00	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.14	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
River Street at Memorial Drive	EB	CW	18	25		25	25	22		22	3	28	18	40
		CCW	21	34		34	79	141		141	4	38	112	253
	WB	CW	21		0	21	0		0	0	3	24	0	0
		CCW	16		0	16	1		0	1	2	18	1	2
	NB	CW	6	1		1	0	0		0	0	1	0	0
		CCW	6	2		2	2	0		0	0	2	0	0
SB	CW	14	21		21	0	8		8	3	24	6	14	
	CCW	1	8		8	0	2		2	1	9	2	4	
River Street at Putnam Avenue	EB	CW	18		0	18	0		0	0	2	20	0	0
		CCW	9		0	9	0		0	0	1	10	0	0
	WB	CW	5		0	5	0		0	0	1	6	0	0
		CCW	23		0	23	0		0	0	3	26	0	0
	NB	CW	14		0	14	0		0	0	2	16	0	0
		CCW	15		0	15	0		0	0	2	17	0	0
SB	CW	6		0	6	0		0	0	1	7	0	0	
	CCW	13		0	13	0		0	0	2	15	0	0	
River Street at Howard Street & Kelly Road	EB	CW	18		0	18	0		0	0	2	20	0	0
		CCW	31		0	31	1		0	1	4	35	1	2
	WB	CW	5		0	5	0		0	0	1	6	0	0
		CCW	2		0	2	0		0	0	0	2	0	0
	NB	CW	17		0	17	0		0	0	2	19	0	0
		CCW	36		0	36	1		0	1	5	41	1	2
SB	CW	19		0	19	0		0	0	2	21	0	0	
	CCW	14		0	14	0		0	0	2	16	0	0	
River Street at Kinnaird Street	EB	CW	10	3		3	0	3		3	0	3	2	5
		CCW	31	12		12	0	4		4	2	14	3	7
	WB	CW	8	6		6	0	0		0	1	7	0	0
		CCW	9	5		5	0	0		0	1	6	0	0
	NB	CW	15	18		18	0	0		0	2	20	0	0
		CCW	37	52		52	1	0		0	7	59	0	0
SB	CW	30	32		32	0	0		0	4	36	0	0	
	CCW	17	19		19	0	0		0	2	21	0	0	



**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Morning Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.00	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.14	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Pleasant Street at Kinnaird Street	EB	CW	2		0	2	0		0	0	0	2	0	0
		CCW	10		0	10	0		0	0	1	11	0	0
	WB	CW	0		0	0	0		0	0	0	0	0	0
		CCW	0		0	0	0		0	0	0	0	0	0
	NB	CW	14		0	14	0		0	0	2	16	0	0
		CCW	56		0	56	0		0	0	7	63	0	0
SB	CW	14		0	14	0		0	0	2	16	0	0	
	CCW	7		0	7	0		0	0	1	8	0	0	
River Street at Pleasant Street & Cottage Street	EB	CW	2		0	2	0		0	0	0	2	0	0
		CCW	4		0	4	0		0	0	1	5	0	0
	WB	CW	7		0	7	0		0	0	1	8	0	0
		CCW	3		0	3	0		0	0	0	3	0	0
	NB	CW	36		0	36	0		0	0	5	41	0	0
		CCW	107		0	107	0		0	0	14	121	0	0
	NEB	CW	20		0	20	0		0	0	3	23	0	0
		CCW	50		0	50	1		0	1	6	56	1	2
SWB	CW	41		0	41	1		0	1	5	46	1	2	
	CCW	18		0	18	1		0	1	2	20	1	2	
River Street at Franklin Street	EB	CW	8	17		17	1	0		0	2	19	0	0
		CCW	41	46		46	0	0		0	6	52	0	0
	WB	CW	32	34		34	2	0		0	4	38	0	0
		CCW	10	13		13	0	0		0	2	15	0	0
	NB	CW	30	47		47	0	0		0	6	53	0	0
		CCW	142	116		116	0	1		1	15	131	1	2
SB	CW	11	12		12	0	0		0	2	14	0	0	
	CCW	2	6		6	0	0		0	1	7	0	0	
River Street at Green Street & Western Avenue	EB	CW	37	21		21	0	0		0	3	24	0	0
		CCW	19	10		10	0	0		0	1	11	0	0
	WB	CW	27	24		24	0	0		0	3	27	0	0
		CCW	32	17		17	0	4		4	2	19	3	7
	NB	CW	32	123		123	0	0		0	16	139	0	0
		CCW	177	47		47	0	1		1	6	53	1	2
SB	CW	197	190		190	0	0		0	24	214	0	0	
	CCW	97	86		86	0	0		0	11	97	0	0	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Morning Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.00	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.14	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Magazine Street at Green Street	EB	CW	30		0	30	0		0	0	4	34	0	0
		CCW	41		0	41	0		0	0	5	46	0	0
	WB	CW	38		0	38	0		0	0	5	43	0	0
		CCW	23		0	23	1		0	1	3	26	1	2
	NB	CW	68		0	68	0		0	0	9	77	0	0
		CCW	222		0	222	0		0	0	28	250	0	0
SB	CW	15		0	15	0		0	0	2	17	0	0	
	CCW	3		0	3	0		0	0	0	3	0	0	
River Street at Massachusetts Avenue & Prospect Street	EB	CW	104	134		134	0	3		3	17	151	2	5
		CCW	153	153		153	0	1		1	19	172	1	2
	WB	CW	239	175		175	1	0		0	22	197	0	0
		CCW	198	166		166	2	0		0	21	187	0	0
	NB	CW	167	71		71	1	0		0	9	80	0	0
		CCW	133	64		64	0	1		1	8	72	1	2
SB	CW	114	61		61	0	1		1	8	69	1	2	
	CCW	170	193		193	1	3		3	24	217	2	5	
Bishop Allen Drive at Inman Street	EB	CW	0		0	0	0		0	0	0	0	0	0
		CCW	0		0	0	0		0	0	0	0	0	0
	WB	CW	29		0	29	0		0	0	4	33	0	0
		CCW	17		0	17	0		0	0	2	19	0	0
	NB	CW	150		0	150	1		0	1	19	169	1	2
CCW		31		0	31	0		0	0	4	35	0	0	
Bishop Allen Drive at Prospect Street	EB	CW	31		0	31	1		0	1	4	35	1	2
		CCW	30		0	30	1		0	1	4	34	1	2
	WB	CW	41		0	41	0		0	0	5	46	0	0
		CCW	22		0	22	0		0	0	3	25	0	0
	NB	CW	194		0	194	0		0	0	25	219	0	0
		CCW	76		0	76	0		0	0	10	86	0	0
SB	CW	38		0	38	0		0	0	5	43	0	0	
	CCW	260		0	260	7		0	7	33	293	6	13	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Morning Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.00	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.14	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Bishop Allen Drive at Essex Street	EB	CW	26		0	26	2		0	2	3	29	2	4
		CCW	18		0	18	0		0	0	2	20	0	0
	WB	CW	17		0	17	0		0	0	2	19	0	0
		CCW	17		0	17	0		0	0	2	19	0	0
	NB	CW	16		0	16	0		0	0	2	18	0	0
		CCW	11		0	11	0		0	0	1	12	0	0
SB	CW	28		0	28	2		0	2	4	32	2	4	
	CCW	60		0	60	0		0	0	8	68	0	0	
Bishop Allen Drive at Norfolk Street	EB	CW	50		0	50	0		0	0	6	56	0	0
		CCW	23		0	23	0		0	0	3	26	0	0
	WB	CW	30		0	30	0		0	0	4	34	0	0
		CCW	80		0	80	0		0	0	10	90	0	0
	NB	CW	53		0	53	0		0	0	7	60	0	0
		CCW	20		0	20	0		0	0	3	23	0	0
SB	CW	32		0	32	0		0	0	4	36	0	0	
	CCW	177		0	177	1		0	1	22	199	1	2	
Bishop Allen Drive at Douglass Street	EB	CW	41		0	41	0		0	0	5	46	0	0
		CCW	26		0	26	1		0	1	3	29	1	2
	WB	CW	33		0	33	0		0	0	4	37	0	0
		CCW	41		0	41	0		0	0	5	46	0	0
	NB	CW	17		0	17	1		0	1	2	19	1	2
		CCW	16		0	16	0		0	0	2	18	0	0
SB	CW	1		0	1	0		0	0	0	1	0	0	
	CCW	9		0	9	0		0	0	1	10	0	0	
Bishop Allen Drive at Columbia Street	EB	CW	2		0	2	0		0	0	0	2	0	0
		CCW	7		0	7	0		0	0	1	8	0	0
	WB	CW	46		0	46	1		0	1	6	52	1	2
		CCW	34		0	34	0		0	0	4	38	0	0
	NB	CW	65		0	65	2		0	2	8	73	2	4
		CCW	14		0	14	2		0	2	2	16	2	4
SB	CW	1		0	1	0		0	0	0	1	0	0	
	CCW	2		0	2	0		0	0	0	2	0	0	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Morning Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.00	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.14	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Massachusetts Avenue at Inman Street	WB	CW	214	152		152	1	5		5	19	171	4	9
		CCW	113	117		117	1	1		1	15	132	1	2
	NB	CW	96	97		97	0	2		2	12	109	2	4
		CCW	45	61		61	0	3		3	8	69	2	5
		SB	CW	38	39		39	1	0		0	5	44	0
CCW	49		53		53	3	0		0	7	60	0	0	
Massachusetts Avenue at Pleasant Street at	EB	CW	99		0	99	0		0	0	13	112	0	0
		CCW	377		0	377	0		0	0	48	425	0	0
	NB	CW	3		0	3	0		0	0	0	3	0	0
		CCW	6		0	6	0		0	0	1	7	0	0
Massachusetts Avenue at Essex Street	WB	CW	352		0	352	2		0	2	45	397	2	4
		CCW	247		0	247	1		0	1	31	278	1	2
	NB	CW	4		0	4	0		0	0	1	5	0	0
		CCW	10		0	10	0		0	0	1	11	0	0
	SB	CW	149		0	149	3		0	3	19	168	2	5
CCW		178		0	178	1		0	1	23	201	1	2	
Massachusetts Avenue at Pearl Street	EB	CW	263		0	263	0		0	0	33	296	0	0
		CCW	586		0	586	1		0	1	74	660	1	2
	NB	CW	2		0	2	0		0	0	0	2	0	0
		CCW	4		0	4	0		0	0	1	5	0	0
	SB	CW	170		0	170	0		0	0	22	192	0	0
CCW		349		0	349	6		0	6	44	393	5	11	
Massachusetts Avenue at Norfolk Street	WB	CW	299		0	299	3		0	3	38	337	2	5
		CCW	138		0	138	2		0	2	18	156	2	4
	NB	CW	68		0	68	0		0	0	9	77	0	0
		CCW	61		0	61	0		0	0	8	69	0	0
	SB	CW	0		0	0	0		0	0	0	0	0	0
CCW		0		0	0	0		0	0	0	0	0	0	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Morning Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.00	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.14	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Massachusetts Avenue at Brookline Street/Douglass Street	EB	CW	100	120		120	0	0		0	15	135	0	0
		CCW	446	573		573	0	0		0	73	646	0	0
	WB	CW	289	314		314	3	0		0	40	354	0	0
		CCW	101	99		99	1	1		1	13	112	1	2
	NB	CW	66	30		30	0	0		0	4	34	0	0
		CCW	77	19		19	2	0		0	2	21	0	0
SB	CW	0	49		49	0	0		0	6	55	0	0	
	CCW	0	74		74	0	0		0	9	83	0	0	
Massachusetts Avenue at Sidney Street	EB	CW	47	39		39	0	0		0	5	44	0	0
		CCW	241	270		270	0	1		1	34	304	1	2
	WB	CW	183	219		219	0	6		6	28	247	5	11
		CCW	35	40		40	0	4		4	5	45	3	7
	NB	CW	73	65		65	0	0		0	8	73	0	0
		CCW	63	81		81	0	3		3	10	91	2	5
SB	CW	83	53		53	7	0		0	7	60	0	0	
	CCW	52	37		37	1	1		1	5	42	1	2	
Sidney Street at Columbia Street & Main Street	EB	CW	1		0	1	0		0	0	0	1	0	0
		CCW	2		0	2	0		0	0	0	2	0	0
	NB	CW	20		0	20	0		0	0	3	23	0	0
		CCW	10		0	10	0		0	0	1	11	0	0
	SB	CW	22		0	22	0		0	0	3	25	0	0
CCW		15		0	15	0		0	0	2	17	0	0	
Green Street at Pleasant Street	EB	CW	10		0	10	0		0	0	1	11	0	0
		CCW	18		0	18	0		0	0	2	20	0	0
	WB	CW	41		0	41	0		0	0	5	46	0	0
		CCW	13		0	13	0		0	0	2	15	0	0
	NB	CW	21		0	21	0		0	0	3	24	0	0
		CCW	44		0	44	0		0	0	6	50	0	0
SB	CW	79		0	79	1		0	1	10	89	1	2	
	CCW	32		0	32	0		0	0	4	36	0	0	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Morning Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.00	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.14	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Green Street at Pearl Street	EB	CW	17	21		21	0	0		0	3	24	0	0
		CCW	28	26		26	0	0		0	3	29	0	0
	WB	CW	33	41		41	0	0		0	5	46	0	0
		CCW	85	95		95	0	0		0	12	107	0	0
	NB	CW	38	71		71	0	0		0	9	80	0	0
		CCW	95	78		78	0	0		0	10	88	0	0
		SB	CW	175	155		155	0	0		0	20	175	0
		CCW	70	70		70	0	0		9	79	0	0	
Green Street at Brookline Street	EB	CW	32		0	32	0		0	0	4	36	0	0
		CCW	34		0	34	0		0	0	4	38	0	0
	WB	CW	27		0	27	0		0	0	3	30	0	0
		CCW	39		0	39	0		0	0	5	44	0	0
	NB	CW	51		0	51	0		0	0	6	57	0	0
		CCW	78		0	78	0		0	0	10	88	0	0
	SB	CW	92		0	92	1		0	1	12	104	1	2
CCW		72		0	72	0		0	0	9	81	0	0	
Green Street at Sidney Street	EB	CW	23		0	23	0		0	0	3	26	0	0
		CCW	56		0	56	1		0	1	7	63	1	2
	WB	CW	55		0	55	0		0	0	7	62	0	0
		CCW	26		0	26	0		0	0	3	29	0	0
	NB	CW	80		0	80	0		0	0	10	90	0	0
		CCW	82		0	82	0		0	0	10	92	0	0
	SB	CW	56		0	56	0		0	0	7	63	0	0
CCW		111		0	111	1		0	1	14	125	1	2	
Franklin Street at Pleasant Street	EB	CW	5		0	5	1		0	1	1	6	1	2
		CCW	26		0	26	0		0	0	3	29	0	0
	WB	CW	63		0	63	1		0	1	8	71	1	2
		CCW	11		0	11	0		0	0	1	12	0	0
	NB	CW	11		0	11	0		0	0	1	12	0	0
		CCW	27		0	27	0		0	0	3	30	0	0
	SB	CW	39		0	39	3		0	3	5	44	2	5
CCW		30		0	30	0		0	0	4	34	0	0	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Morning Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.00	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.14	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Franklin Street at Western Avenue	EB	CW	7	12		12	0	0		0	2	14	0	0
		CCW	16	20		20	1	0		0	3	23	0	0
	WB	CW	6	8		8	2	0		0	1	9	0	0
		CCW	17	22		22	0	0		0	3	25	0	0
	NB	CW	6	4		4	0	0		0	1	5	0	0
		CCW	31	27		27	1	2		2	3	30	2	4
	SB	CW	130	139		139	3	3		3	18	157	2	5
CCW		29	47		47	0	0		0	6	53	0	0	
Franklin Street at Magazine Street	EB	CW	19		0	19	1		0	1	2	21	1	2
		CCW	37		0	37	0		0	0	5	42	0	0
	WB	CW	14		0	14	0		0	0	2	16	0	0
		CCW	9		0	9	0		0	0	1	10	0	0
	NB	CW	46		0	46	0		0	0	6	52	0	0
		CCW	135		0	135	0		0	0	17	152	0	0
	SB	CW	56		0	56	0		0	0	7	63	0	0
CCW		16		0	16	0		0	0	2	18	0	0	
Franklin Street at Pearl Street	EB	CW	4		0	4	0		0	0	1	5	0	0
		CCW	15		0	15	0		0	0	2	17	0	0
	WB	CW	20		0	20	0		0	0	3	23	0	0
		CCW	23		0	23	0		0	0	3	26	0	0
	NB	CW	35		0	35	0		0	0	4	39	0	0
		CCW	85		0	85	0		0	0	11	96	0	0
	SB	CW	115		0	115	0		0	0	15	130	0	0
CCW		40		0	40	0		0	0	5	45	0	0	
Franklin Street at Brookline Street	EB	CW	7		0	7	0		0	0	1	8	0	0
		CCW	29		0	29	0		0	0	4	33	0	0
	WB	CW	35		0	35	0		0	0	4	39	0	0
		CCW	18		0	18	0		0	0	2	20	0	0
	NB	CW	74		0	74	0		0	0	9	83	0	0
		CCW	63		0	63	0		0	0	8	71	0	0
	SB	CW	53		0	53	0		0	0	7	60	0	0
CCW		39		0	39	0		0	0	5	44	0	0	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Morning Peak Hour**

<b>Intersection</b>	<b>Dir.</b>	<b>Turn</b>	<b>Dec 2018 Counted Volumes Peds</b>	<b>May 2019 Counted Volumes Peds</b>	<b>Ped Seasonal Adjustment 1.00</b>	<b>2018 Existing Volumes Peds</b>	<b>Dec 2018 Counted Volumes Bikes</b>	<b>May 2019 Counted Volumes Bikes</b>	<b>Bike Seasonal Adjustment 1.14</b>	<b>2018 Existing Volumes Bikes</b>	<b>Mode Growth Peds 1% per year</b>	<b>2030 Baseline Volumes Peds</b>	<b>Mode Growth Bikes 5% per year</b>	<b>2030 Baseline Volumes Bikes</b>
Franklin Street at Sidney Street	EB	CW	15	13		13	1	0		0	2	15	0	0
		CCW	42	63		63	1	1		1	8	71	1	2
	WB	CW	44	45		45	0	0		0	6	51	0	0
		CCW	8	5		5	0	0		0	1	6	0	0
	NB	CW	80	113		113	0	0		0	14	127	0	0
		CCW	35	31		31	0	1		1	4	35	1	2
	SB	CW	56	57		57	1	1		1	7	64	1	2
		CCW	89	122		122	0	1		1	15	137	1	2



**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Afternoon Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.24	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.71	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
River Street at Memorial Drive	EB	CW	7	78		78	32	118		118	10	88	94	212
		CCW	13	82		82	20	64		64	10	92	51	115
	WB	CW	6	0		0	1	0		0	0	0	0	0
		CCW	16	2		2	4	0		0	0	2	0	0
	NB	CW	17	11		11	1	2		2	1	12	2	4
		CCW	5	16		16	0	11		11	2	18	9	20
	SB	CW	2	19		19	0	2		2	2	21	2	4
CCW		1	28		28	0	2		2	4	32	2	4	
River Street at Putnam Avenue	EB	CW	17	46		46	0	1		1	6	52	1	2
		CCW	25	54		54	1	0		0	7	61	0	0
	WB	CW	9	12		12	0	0		0	2	14	0	0
		CCW	12	4		4	0	0		0	1	5	0	0
	NB	CW	26	34		34	1	0		0	4	38	0	0
		CCW	22	24		24	0	0		0	3	27	0	0
	SB	CW	17	31		31	0	0		0	4	35	0	0
CCW		21	37		37	0	1		1	5	42	1	2	
River Street at Howard Street & Kelly Road	EB	CW	6		1	7	0		0	0	1	8	0	0
		CCW	11		3	14	1		0	1	2	16	1	2
	WB	CW	1		0	1	0		0	0	0	1	0	0
		CCW	2		0	2	0		0	0	0	2	0	0
	NB	CW	40		10	50	0		0	0	6	56	0	0
		CCW	28		7	35	0		0	0	4	39	0	0
	SB	CW	10		2	12	0		0	0	2	14	0	0
CCW		9		2	11	0		0	0	1	12	0	0	
River Street at Kinnaird Street	EB	CW	6	12		12	0	0		0	2	14	0	0
		CCW	6	7		7	0	2		2	1	8	2	4
	WB	CW	0	13		13	0	1		1	2	15	1	2
		CCW	4	10		10	0	0		0	1	11	0	0
	NB	CW	47	54		54	0	0		0	7	61	0	0
		CCW	25	28		28	0	0		0	4	32	0	0
	SB	CW	16	36		36	0	1		1	5	41	1	2
CCW		16	38		38	0	0		0	5	43	0	0	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Afternoon Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.24	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.71	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Pleasant Street at Kinnaird Street	EB	CW	4		1	5	0		0	0	1	6	0	0
		CCW	1		0	1	0		0	0	0	1	0	0
	WB	CW	2		0	2	0		0	0	0	2	0	0
		CCW	0		0	0	0		0	0	0	0	0	0
	NB	CW	36		9	45	0		0	0	6	51	0	0
		CCW	14		3	17	0		0	0	2	19	0	0
	SB	CW	9		2	11	0		0	0	1	12	0	0
CCW		5		1	6	0		0	0	1	7	0	0	
River Street at Pleasant Street & Cottage Street	EB	CW	4		1	5	0		0	0	1	6	0	0
		CCW	1		0	1	0		0	0	0	1	0	0
	WB	CW	6		1	7	0		0	0	1	8	0	0
		CCW	2		0	2	0		0	0	0	2	0	0
	NB	CW	46		11	57	0		0	0	7	64	0	0
		CCW	33		8	41	0		0	0	5	46	0	0
	NEB	CW	51		12	63	0		0	0	8	71	0	0
		CCW	36		9	45	0		0	0	6	51	0	0
	SWB	CW	15		4	19	0		0	0	2	21	0	0
		CCW	18		4	22	1		0	1	3	25	1	2
River Street at Franklin Street	EB	CW	22	25		25	1	0		0	3	28	0	0
		CCW	23	44		44	1	0		0	6	50	0	0
	WB	CW	16	35		35	0	0		0	4	39	0	0
		CCW	21	47		47	0	1		1	6	53	1	2
	NB	CW	119	125		125	1	0		0	16	141	0	0
		CCW	78	74		74	1	1		1	9	83	1	2
	SB	CW	7	16		16	0	0		0	2	18	0	0
CCW		12	19		19	0	0		0	2	21	0	0	
River Street at Green Street & Western Avenue	EB	CW	48	74		74	0	0		0	9	83	0	0
		CCW	28	26		26	0	3		3	3	29	2	5
	WB	CW	18	38		38	0	0		0	5	43	0	0
		CCW	31	40		40	0	2		2	5	45	2	4
	NB	CW	156	95		95	1	1		1	12	107	1	2
		CCW	91	189		189	1	1		1	24	213	1	2
	SB	CW	82	89		89	1	0		0	11	100	0	0
CCW		177	215		215	0	1		1	27	242	1	2	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Afternoon Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.24	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.71	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Magazine Street at Green Street	EB	CW	38		9	47	1		0	1	6	53	1	2
		CCW	28		7	35	0		0	0	4	39	0	0
	WB	CW	32		8	40	0		0	0	5	45	0	0
		CCW	34		8	42	0		0	0	5	47	0	0
	NB	CW	212		51	263	0		0	0	33	296	0	0
		CCW	89		21	110	0		0	0	14	124	0	0
		SB	CW	6		1	7	0		0	0	1	8	0
		CCW	13		3	16	0		0	0	2	18	0	0
River Street at Massachusetts Avenue & Prospect Street	EB	CW	242	368		368	0	3		3	47	415	2	5
		CCW	210	298		298	0	3		3	38	336	2	5
	WB	CW	269	498		498	1	1		1	63	561	1	2
		CCW	362	505		505	0	0		0	64	569	0	0
	NB	CW	323	239		239	0	1		1	30	269	1	2
		CCW	126	106		106	0	1		1	13	119	1	2
	SB	CW	102	105		105	0	4		4	13	118	3	7
CCW		251	255		255	0	7		7	32	287	6	13	
Bishop Allen Drive at Inman Street	EB	CW	2		0	2	0		0	0	0	2	0	0
		CCW	2		0	2	0		0	0	0	2	0	0
	WB	CW	10		2	12	0		0	0	2	14	0	0
		CCW	24		6	30	0		0	0	4	34	0	0
	NB	CW	40		10	50	0		0	0	6	56	0	0
CCW		65		16	81	0		0	0	10	91	0	0	
Bishop Allen Drive at Prospect Street	EB	CW	53		13	66	0		0	0	8	74	0	0
		CCW	30		7	37	0		0	0	5	42	0	0
	WB	CW	35		8	43	0		0	0	5	48	0	0
		CCW	31		7	38	0		0	0	5	43	0	0
	NB	CW	109		26	135	0		0	0	17	152	0	0
		CCW	156		37	193	0		0	0	24	217	0	0
	SB	CW	200		48	248	0		0	0	31	279	0	0
CCW		100		24	124	0		0	0	16	140	0	0	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Afternoon Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.24	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.71	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Bishop Allen Drive at Essex Street	EB	CW	31		7	38	0		0	0	5	43	0	0
		CCW	19		5	24	0		0	0	3	27	0	0
	WB	CW	19		5	24	0		0	0	3	27	0	0
		CCW	31		7	38	1		0	1	5	43	1	2
	NB	CW	35		8	43	0		0	0	5	48	0	0
		CCW	32		8	40	0		0	0	5	45	0	0
SB	CW	52		12	64	1		0	1	8	72	1	2	
	CCW	43		10	53	0		0	0	7	60	0	0	
Bishop Allen Drive at Norfolk Street	EB	CW	39		9	48	0		0	0	6	54	0	0
		CCW	33		8	41	0		0	0	5	46	0	0
	WB	CW	29		7	36	0		0	0	5	41	0	0
		CCW	33		8	41	0		0	0	5	46	0	0
	NB	CW	40		10	50	1		0	1	6	56	1	2
		CCW	36		9	45	0		0	0	6	51	0	0
SB	CW	135		32	167	1		0	1	21	188	1	2	
	CCW	71		17	88	0		0	0	11	99	0	0	
Bishop Allen Drive at Douglass Street	EB	CW	28		7	35	0		0	0	4	39	0	0
		CCW	20		5	25	0		0	0	3	28	0	0
	WB	CW	25		6	31	0		0	0	4	35	0	0
		CCW	44		11	55	0		0	0	7	62	0	0
	NB	CW	27		6	33	0		0	0	4	37	0	0
		CCW	13		3	16	0		0	0	2	18	0	0
SB	CW	3		1	4	0		0	0	1	5	0	0	
	CCW	10		2	12	0		0	0	2	14	0	0	
Bishop Allen Drive at Columbia Street	EB	CW	1		0	1	0		0	0	0	1	0	0
		CCW	5		1	6	0		0	0	1	7	0	0
	WB	CW	31		7	38	0		0	0	5	43	0	0
		CCW	62		15	77	1		0	1	10	87	1	2
	NB	CW	22		5	27	0		0	0	3	30	0	0
		CCW	53		13	66	1		0	1	8	74	1	2
SB	CW	3		1	4	0		0	0	1	5	0	0	
	CCW	1		0	1	0		0	0	0	1	0	0	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Afternoon Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.24	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.71	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Massachusetts Avenue at Inman Street	WB	CW	152	256		256	2	2		2	32	288	2	4
		CCW	299	435		435	0	2		2	55	490	2	4
	NB	CW	60	81		81	1	2		2	10	91	2	4
		CCW	60	85		85	0	3		3	11	96	2	5
		SB	CW	25	58		58	0	0		0	7	65	0
CCW	75		75		75	0	6		6	10	85	5	11	
Massachusetts Avenue at Pleasant Street at	EB	CW	248	19		19	2	0		0	2	21	0	0
		CCW	253	10		10	0	2		2	1	11	2	4
	NB	CW	2	5		5	0	0		0	1	6	0	0
		CCW	2	7		7	0	0		0	1	8	0	0
Massachusetts Avenue at Essex Street	WB	CW	422		101	523	0		0	0	66	589	0	0
		CCW	481		115	596	0		0	0	76	672	0	0
	NB	CW	1		0	1	0		0	0	0	1	0	0
		CCW	4		1	5	0		0	0	1	6	0	0
	SB	CW	140		34	174	0		0	0	22	196	0	0
CCW		240		58	298	1		0	1	38	336	1	2	
Massachusetts Avenue at Pearl Street	EB	CW	630		151	781	0		0	0	99	880	0	0
		CCW	373		90	463	1		0	1	59	522	1	2
	NB	CW	5		1	6	0		0	0	1	7	0	0
		CCW	1		0	1	0		0	0	0	1	0	0
	SB	CW	430		103	533	0		0	0	68	601	0	0
CCW		413		99	512	1		0	1	65	577	1	2	
Massachusetts Avenue at Norfolk Street	WB	CW	193		46	239	0		0	0	30	269	0	0
		CCW	499		120	619	0		0	0	79	698	0	0
	NB	CW	117		28	145	0		0	0	18	163	0	0
		CCW	139		33	172	0		0	0	22	194	0	0
	SB	CW	0		0	0	0		0	0	0	0	0	0
CCW		0		0	0	0		0	0	0	0	0	0	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Afternoon Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.24	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.71	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Massachusetts Avenue at Brookline Street/Douglass Street	EB	CW	474	209		209	0	1		1	27	236	1	2
		CCW	199	171		171	1	0		0	22	193	0	0
	WB	CW	142	352		352	0	0		0	45	397	0	0
		CCW	452	575		575	0	0		0	73	648	0	0
	NB	CW	120	49		49	2	1		1	6	55	1	2
		CCW	140	14		14	1	0		0	2	16	0	0
SB	CW	0	112		112	0	2		2	14	126	2	4	
	CCW	0	128		128	0	2		2	16	144	2	4	
Massachusetts Avenue at Sidney Street	EB	CW	251	221		221	1	0		0	28	249	0	0
		CCW	95	149		149	2	1		1	19	168	1	2
	WB	CW	53	154		154	0	1		1	20	174	1	2
		CCW	286	289		289	0	2		2	37	326	2	4
	NB	CW	76	102		102	0	6		6	13	115	5	11
		CCW	63	86		86	2	1		1	11	97	1	2
SB	CW	46	74		74	3	0		0	9	83	0	0	
	CCW	37	71		71	0	0		0	9	80	0	0	
Sidney Street at Columbia Street & Main Street	EB	CW	5		1	6	0		0	0	1	7	0	0
		CCW	1		0	1	1		0	1	0	1	1	2
	NB	CW	22		5	27	0		0	0	3	30	0	0
		CCW	50		12	62	0		0	0	8	70	0	0
	SB	CW	18		4	22	0		0	0	3	25	0	0
CCW		6		1	7	0		0	0	1	8	0	0	
Green Street at Pleasant Street	EB	CW	23		6	29	0		0	0	4	33	0	0
		CCW	11		3	14	0		0	0	2	16	0	0
	WB	CW	13		3	16	0		0	0	2	18	0	0
		CCW	18		4	22	0		0	0	3	25	0	0
	NB	CW	31		7	38	0		0	0	5	43	0	0
		CCW	27		6	33	0		0	0	4	37	0	0
SB	CW	40		10	50	0		0	0	6	56	0	0	
	CCW	71		17	88	0		0	0	11	99	0	0	

**TRAFFIC PROJECTION MODEL**  
**River Street Reconstruction**  
**Pedestrians & Bicycles in Crosswalks**  
**Weekday Afternoon Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.24	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.71	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Green Street at Pearl Street	EB	CW	27	32		32	1	0		0	4	36	0	0
		CCW	27	6		6	0	0		0	1	7	0	0
	WB	CW	47	67		67	0	0		0	8	75	0	0
		CCW	129	149		149	1	0		0	19	168	0	0
	NB	CW	87	144		144	2	0		0	18	162	0	0
		CCW	46	73		73	0	1		1	9	82	1	2
		SB	CW	136	137		137	0	2		2	17	154	2
		CCW	169	194		194	1	0		0	25	219	0	0
Green Street at Brookline Street	EB	CW	47		11	58	0		0	0	7	65	0	0
		CCW	41		10	51	0		0	0	6	57	0	0
	WB	CW	13		3	16	0		0	0	2	18	0	0
		CCW	37		9	46	0		0	0	6	52	0	0
	NB	CW	61		15	76	0		0	0	10	86	0	0
		CCW	107		26	133	0		0	0	17	150	0	0
	SB	CW	137		33	170	2		0	2	22	192	2	4
CCW		65		16	81	0		0	0	10	91	0	0	
Green Street at Sidney Street	EB	CW	39		9	48	0		0	0	6	54	0	0
		CCW	16		4	20	0		0	0	3	23	0	0
	WB	CW	14		3	17	0		0	0	2	19	0	0
		CCW	66		16	82	0		0	0	10	92	0	0
	NB	CW	52		12	64	0		0	0	8	72	0	0
		CCW	84		20	104	0		0	0	13	117	0	0
	SB	CW	94		23	117	0		0	0	15	132	0	0
CCW		45		11	56	1		0	1	7	63	1	2	
Franklin Street at Pleasant Street	EB	CW	9		2	11	0		0	0	1	12	0	0
		CCW	9		2	11	1		0	1	1	12	1	2
	WB	CW	15		4	19	0		0	0	2	21	0	0
		CCW	24		6	30	0		0	0	4	34	0	0
	NB	CW	17		4	21	0		0	0	3	24	0	0
		CCW	19		5	24	0		0	0	3	27	0	0
	SB	CW	26		6	32	0		0	0	4	36	0	0
CCW		32		8	40	0		0	0	5	45	0	0	

**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Afternoon Peak Hour**

Intersection	Dir.	Turn	Dec 2018 Counted Volumes Peds	May 2019 Counted Volumes Peds	Ped Seasonal Adjustment 1.24	2018 Existing Volumes Peds	Dec 2018 Counted Volumes Bikes	May 2019 Counted Volumes Bikes	Bike Seasonal Adjustment 1.71	2018 Existing Volumes Bikes	Mode Growth Peds 1% per year	2030 Baseline Volumes Peds	Mode Growth Bikes 5% per year	2030 Baseline Volumes Bikes
Franklin Street at Western Avenue	EB	CW	13	16		16	1	0		0	2	18	0	0
		CCW	7	29		29	0	1		1	4	33	1	2
	WB	CW	7	25		25	1	0		0	3	28	0	0
		CCW	18	35		35	1	0		0	4	39	0	0
	NB	CW	7	13		13	0	0		0	2	15	0	0
		CCW	12	25		25	0	0		0	3	28	0	0
	SB	CW	63	56		56	1	2		2	7	63	2	4
CCW		109	166		166	0	0		0	21	187	0	0	
Franklin Street at Magazine Street	EB	CW	26		6	32	0		0	0	4	36	0	0
		CCW	10		2	12	0		0	0	2	14	0	0
	WB	CW	9		2	11	0		0	0	1	12	0	0
		CCW	10		2	12	0		0	0	2	14	0	0
	NB	CW	119		29	148	0		0	0	19	167	0	0
		CCW	48		12	60	0		0	0	8	68	0	0
	SB	CW	17		4	21	0		0	0	3	24	0	0
CCW		29		7	36	0		0	0	5	41	0	0	
Franklin Street at Pearl Street	EB	CW	14		3	17	0		0	0	2	19	0	0
		CCW	10		2	12	0		0	0	2	14	0	0
	WB	CW	10		2	12	0		0	0	2	14	0	0
		CCW	35		8	43	0		0	0	5	48	0	0
	NB	CW	59		14	73	0		0	0	9	82	0	0
		CCW	43		10	53	0		0	0	7	60	0	0
	SB	CW	61		15	76	0		0	0	10	86	0	0
CCW		95		23	118	0		0	0	15	133	0	0	
Franklin Street at Brookline Street	EB	CW	20		5	25	0		0	0	3	28	0	0
		CCW	3		1	4	1		0	1	1	5	1	2
	WB	CW	7		2	9	0		0	0	1	10	0	0
		CCW	54		13	67	0		0	0	8	75	0	0
	NB	CW	64		15	79	0		0	0	10	89	0	0
		CCW	89		21	110	0		0	0	14	124	0	0
	SB	CW	64		15	79	0		0	0	10	89	0	0
CCW		34		8	42	1		0	1	5	47	1	2	



**TRAFFIC PROJECTION MODEL**

**River Street Reconstruction**

**Pedestrians & Bicycles in Crosswalks**

**Weekday Afternoon Peak Hour**

<b>Intersection</b>	<b>Dir.</b>	<b>Turn</b>	<b>Dec 2018 Counted Volumes Peds</b>	<b>May 2019 Counted Volumes Peds</b>	<b>Ped Seasonal Adjustment 1.24</b>	<b>2018 Existing Volumes Peds</b>	<b>Dec 2018 Counted Volumes Bikes</b>	<b>May 2019 Counted Volumes Bikes</b>	<b>Bike Seasonal Adjustment 1.71</b>	<b>2018 Existing Volumes Bikes</b>	<b>Mode Growth Peds 1% per year</b>	<b>2030 Baseline Volumes Peds</b>	<b>Mode Growth Bikes 5% per year</b>	<b>2030 Baseline Volumes Bikes</b>
Franklin Street at Sidney Street	EB	CW	25	31		31	1	0		0	4	35	0	0
		CCW	4	7		7	0	0		0	1	8	0	0
	WB	CW	4	19		19	0	1		1	2	21	1	2
		CCW	28	21		21	0	0		0	3	24	0	0
	NB	CW	25	37		37	1	1		1	5	42	1	2
		CCW	101	90		90	0	0		0	11	101	0	0
	SB	CW	76	80		80	0	0		0	10	90	0	0
		CCW	41	58		58	0	0		0	7	65	0	0



## Appendix D.0 Parking Utilization Findings

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## River Street Reconstruction – Summary of Parking Utilization Findings

### 1. Overview & Methods

- A parking utilization study in the River Street study area was completed over the course of two typical weekdays (Thursday November 29, 2018 and Wednesday December 5, 2018). Parking utilization was counted every two hours between 8:00 AM and 10:00 PM on both days, with an additional count at 2:00 AM on Thursday December 6<sup>th</sup>, 2018.
- Parking utilization is typically evaluated to ensure the amount of parking provided promotes turnover of cars to support business accessibility and reduce the number of vehicles searching for parking to improve traffic circulation. The most efficient use of parking in a typical downtown area is 85% utilization, as this means it is well utilized while also providing space for those seeking parking.<sup>1</sup> A well-managed and designed parking system also promotes pedestrian connectivity and create a sense of place by creating a “park once and walk” environment through streetscape and wayfinding improvements.
- Details on the existing parking supply and preliminary findings based on the utilization data collected are outlined below.

### 2. Existing River Street Parking Inventory

- The study area is outlined in the attached map illustrating parking inventory and curbside regulations. This map also identifies the limits of the Tubman Square Area referred to in the utilization trends section.
- The curbside inventory was determined through a desktop analysis using Google Streetview and verified in the field. Where spaces were unmarked an assumed a length of 20-feet per space was used, also accounting for standard clearances for driveways, hydrants, and intersections.
- The River Street parking study area contains just under 500 parking spaces.<sup>2</sup> A full curbside use inventory is provided in the Table 1 below.

**Table 1: Curbside Use Inventory**

<b>Curbside Use</b>	<b>Number of Spaces (or relevant use)</b>
Meter Parking (2hr, 8AM-6PM)	16
Permit Parking	388
Unregulated Parking	69
Disability Parking	16
Bus Stop	5
Loading Zone	4
Tow Zone	2

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<sup>1</sup> Donald Shoup, High Cost of Free Parking

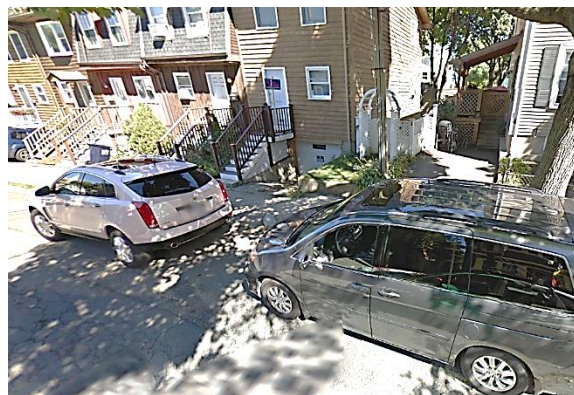
<sup>2</sup> Although spaces on Pleasant Place are depicted in the maps, these spaces are not counted in the inventory numbers as it is a private way and cars are parked over the curb on the sidewalk on both sides.

- In several areas in the eastern section of the study area, the supply is likely underestimated to account for driveway and intersection clearances, while in reality several more cars are likely parking along a segment. Examples are shown in Figure 1 below of areas where parking may occur closer to an intersection than is technically allowed, and where cars are parked in front of driveways. These were not counted as spaces in the inventory, which may lead utilization to appear higher in segments including:
  - South side of Cottage Street
  - South side of William Street
  - West side of Pleasant Street north of River Street
  - East side of Kinnaird Street
  - East Side of Jay Street
  - West side of Howard Street

**Figure 1: Examples of how number of parked cars may exceed parking supply**



*Southwestern end of Cottage Street where additional curb space against intersection provides room to park, but is not technically parking*

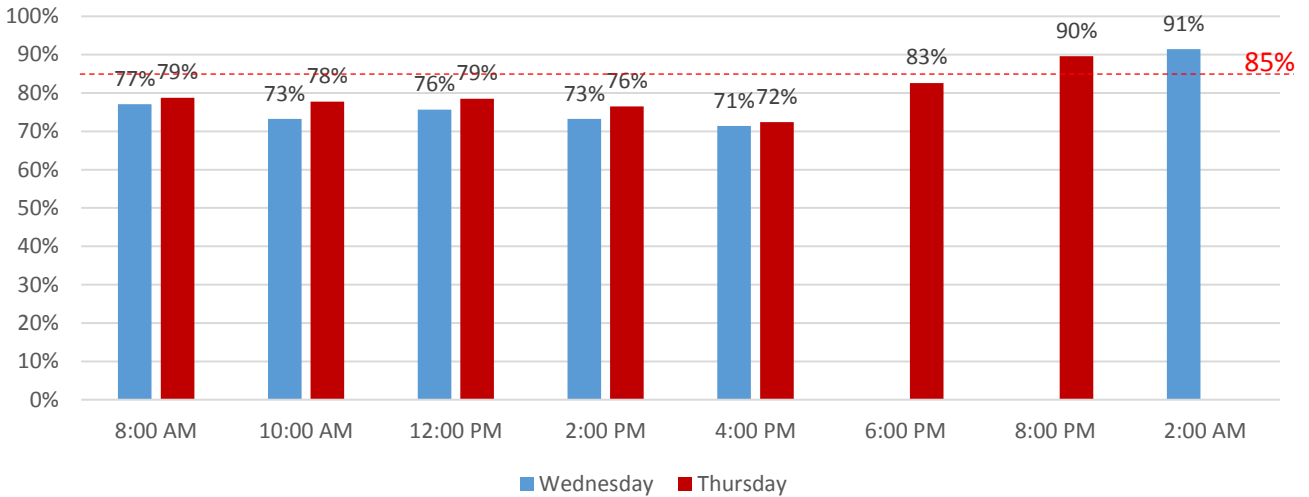


*East side of Jay Street where vehicles are parked in front of driveways*

### 3. Parking Utilization Trends

#### a. River Street Study Area

**Figure 2: Parking Utilization in River Street Study Area**

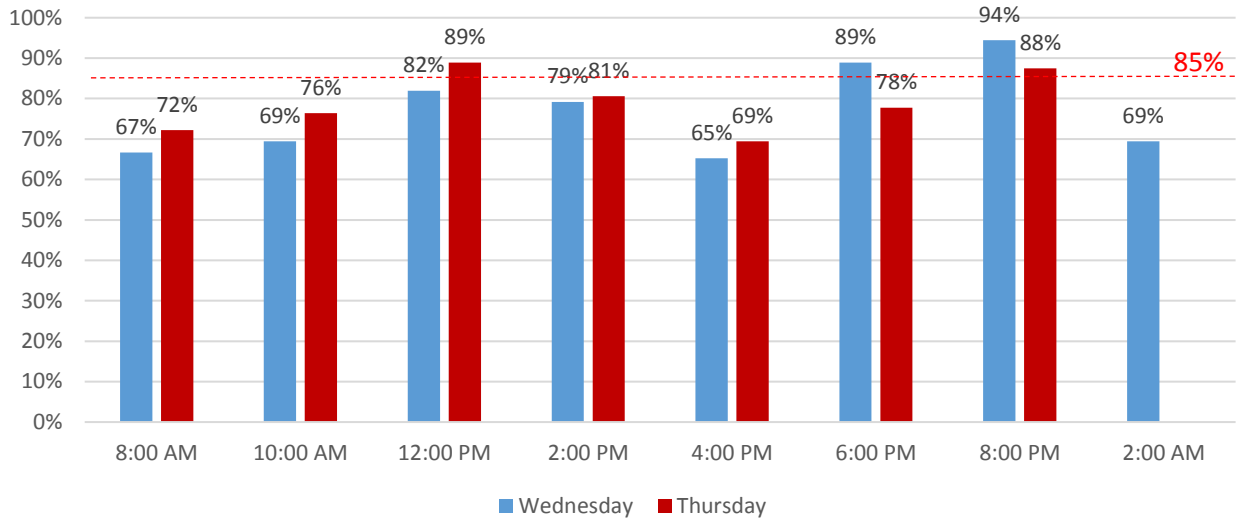


- During the day (8:00 AM to 4:00 PM) parking utilization in the River Street study area as a whole varies between 71% and 79% on both observation days.<sup>3</sup>
- Parking utilization increases after 4:00 PM, reaching a peak of 91% utilization at 2:00 AM on the second observation day.
- Overall utilization is close to the recommended 85% utilization representative of a healthy downtown environment, referenced above. There is additional capacity during the day, but parking within the study area overall is well utilized in the evening and overnight.

<sup>3</sup> Due to technical malfunctions parking count data was lost for several streets south of River Street during the 6:00 PM and 8:00 PM count periods on Wednesday, December 5 2018. These time periods on Wednesday are omitted from the charts to not skew the results. Based on a comparison of data collected on Thursday at these times, and looking at trends between the 4:00 PM and 2:00 AM counts, it is like that Wednesday utilization follows a similar pattern to Thursday utilization at these times. The data that would have been collected and added into this analysis is unlikely to alter the findings of the parking utilization study.

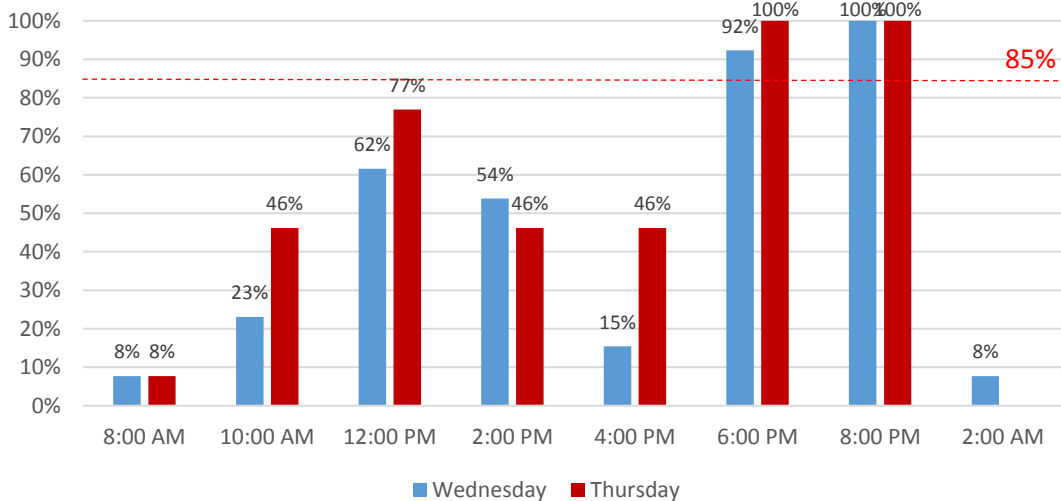
b. River Street Parking Utilization

Figure 3: Parking Utilization on River Street



- Parking directly on River Street ranged from a low of 65% recorded at 4:00 PM to a high of 94% recorded at 8:00 PM.
- The utilization pattern observed on the data collection days suggests that the highest demands for parking occur during midday lunch hour (12:00 pm) and in the evening after 6:00 PM.
- Demand may be driven by the retail businesses and restaurants along the corridor and as well as the Central Square business area. Demand on River Street specifically is likely not driven by residential demand as parking utilization decreases overnight, shown by the 2:00 AM count.
- During peak demand, utilization is over the recommended 85%.

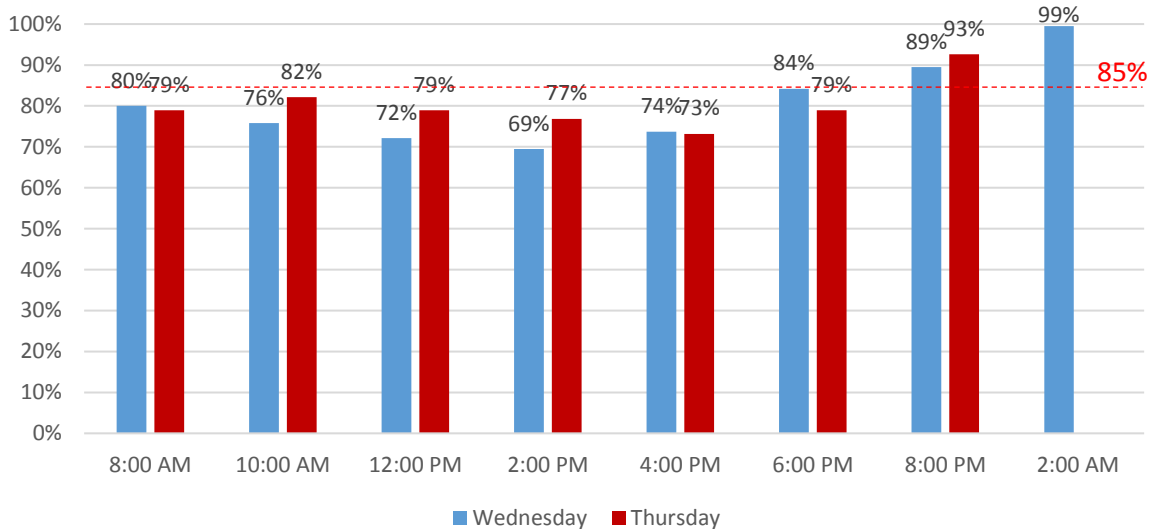
Figure 4: Meter Parking on River Street



- 13 metered parking spaces are provided on River Street between Pleasant Street and Auburn Street. The meters are in effect from 8:00 AM to 6:00 PM except for Sundays.
- The utilization pattern of the metered spaces resembles that of River Street as a whole in that the highest demand occurs in the evening between 6:00 PM and 8:00 PM, with a secondary peak midday at 12:00 PM. The peak at 6:00 PM and 8:00 PM occurs after the meter regulations are in effect.
- During the evening peak, utilization is recorded between 92% and 100%, illustrating that it is well above the recommended 85% utilization. Demand is likely driven by businesses, restaurant, and entertainment uses in Central Square.
- Demand is recorded at only 8% during the 2:00 AM, suggesting that metered parking is not used overnight by residents.

c. North of River Street

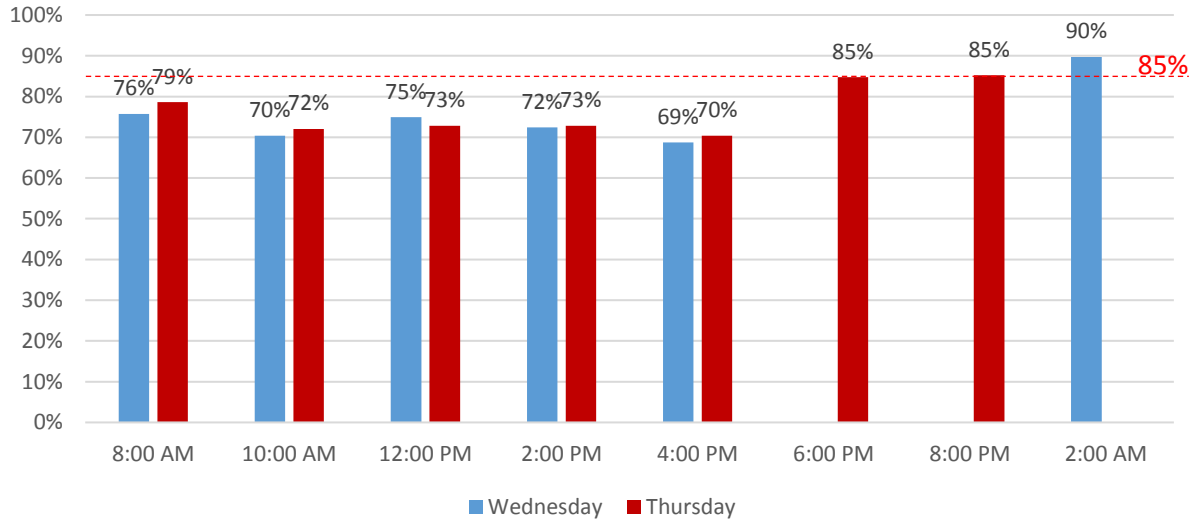
**Figure 5: Parking Utilization North of River Street**



- North of River Street the majority of spaces are residential permit parking, with the exception of three metered spaces on Blackstone Street and four disability spaces.
- On the data collection days, parking utilization ranged from a low of 69% recorded at 2:00 PM to a high of 99% recorded at 2:00 AM.
- The utilization pattern illustrates that parking is well utilized throughout the day, with the highest demand occurring after 6:00 PM and overnight. This suggests the demand is driven by residents of the neighborhood.

d. South of River Street<sup>4</sup>

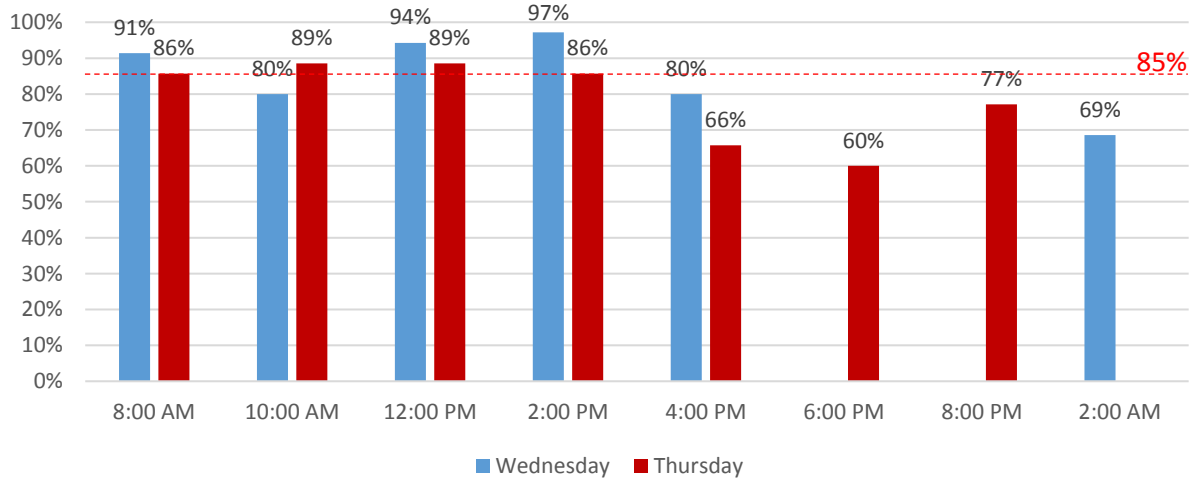
**Figure 6: Parking Utilization South of River Street**



- South of River Street the majority of spaces are residential permit parking, with the exception of segments of unregulated parking on Putnam Avenue and around the Plaza. There are also six disability spaces in the area.
- On the data collection days, parking utilization ranged from a low of 69% recorded at 4:00 PM to 90% recorded at 2:00 AM.
- As with the area north of River Street, the utilization pattern illustrates that parking is well utilized throughout the day, with the highest demand occurring after 6:00 PM and overnight. This suggests the demand is driven by residents of the neighborhood. It is well utilized, but not as close to maximum capacity as the neighborhood north of River Street.

e. Tubman Square Area

**Figure 7: Parking Utilization around Tubman Square**



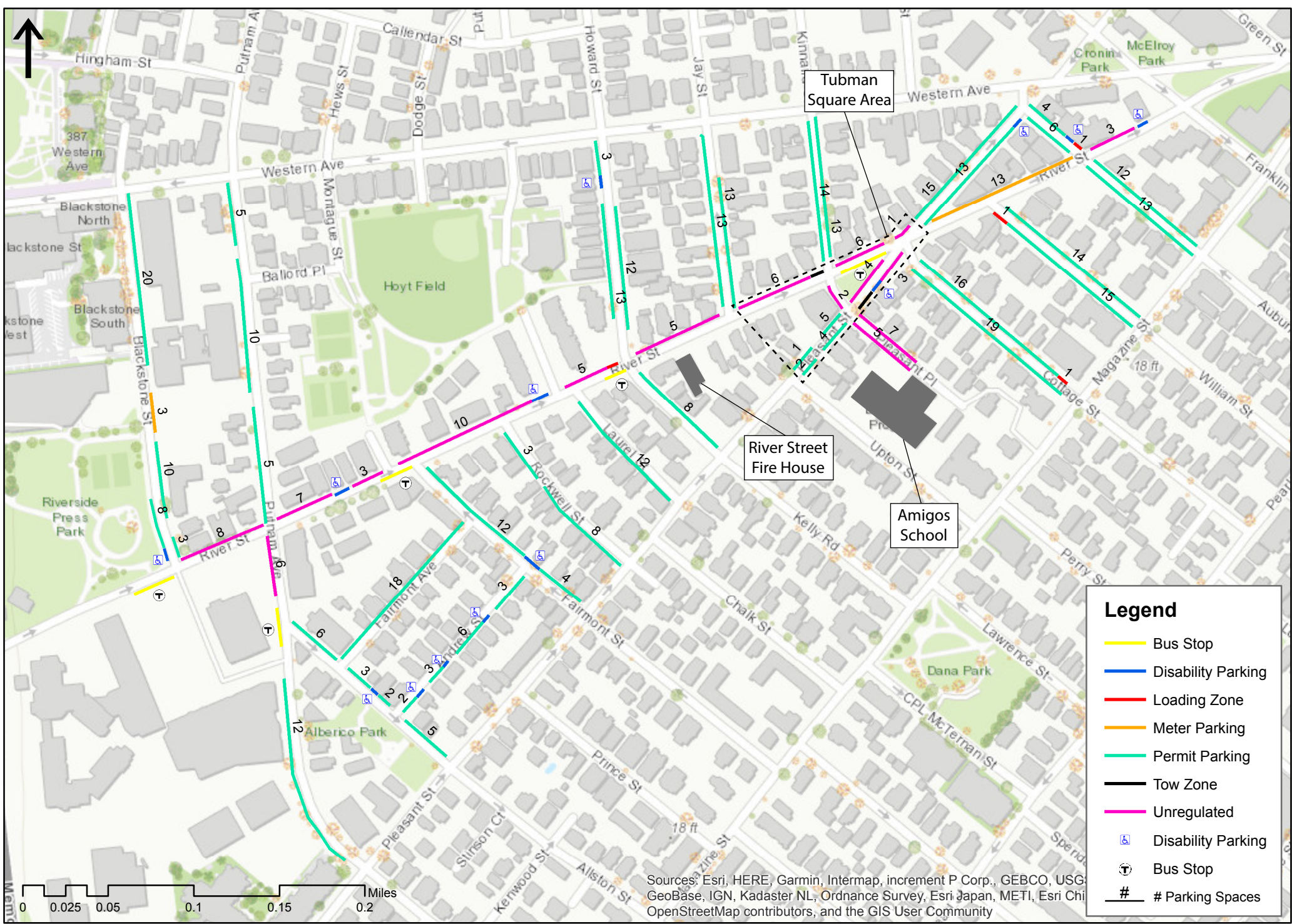
<sup>4</sup> See footnote 3 for explanation of omission of Wednesday 6:00 PM and 8:00 PM utilization periods.



- The area around Tubman Square contains 35 parking spaces: 12 permit spaces, 1 disability space, and 22 unregulated spaces.
- Parking utilization on the data collection days ranged from a low of 60% utilization at 6:00 PM to 97% utilization at 2:00 PM.
- Unlike the other areas observed, parking utilization appears to be highest midday, and is recorded as above 85% between 8:00 AM and 2:00 PM.
- It appears likely that parking demand is influenced by the areas close proximity to the Amigos School located between Upon Street and Pleasant Place. School hours are 8:55 AM to 2:55 PM, which coincides with the hours of the greatest parking demand.

#### 4. Summary of Findings

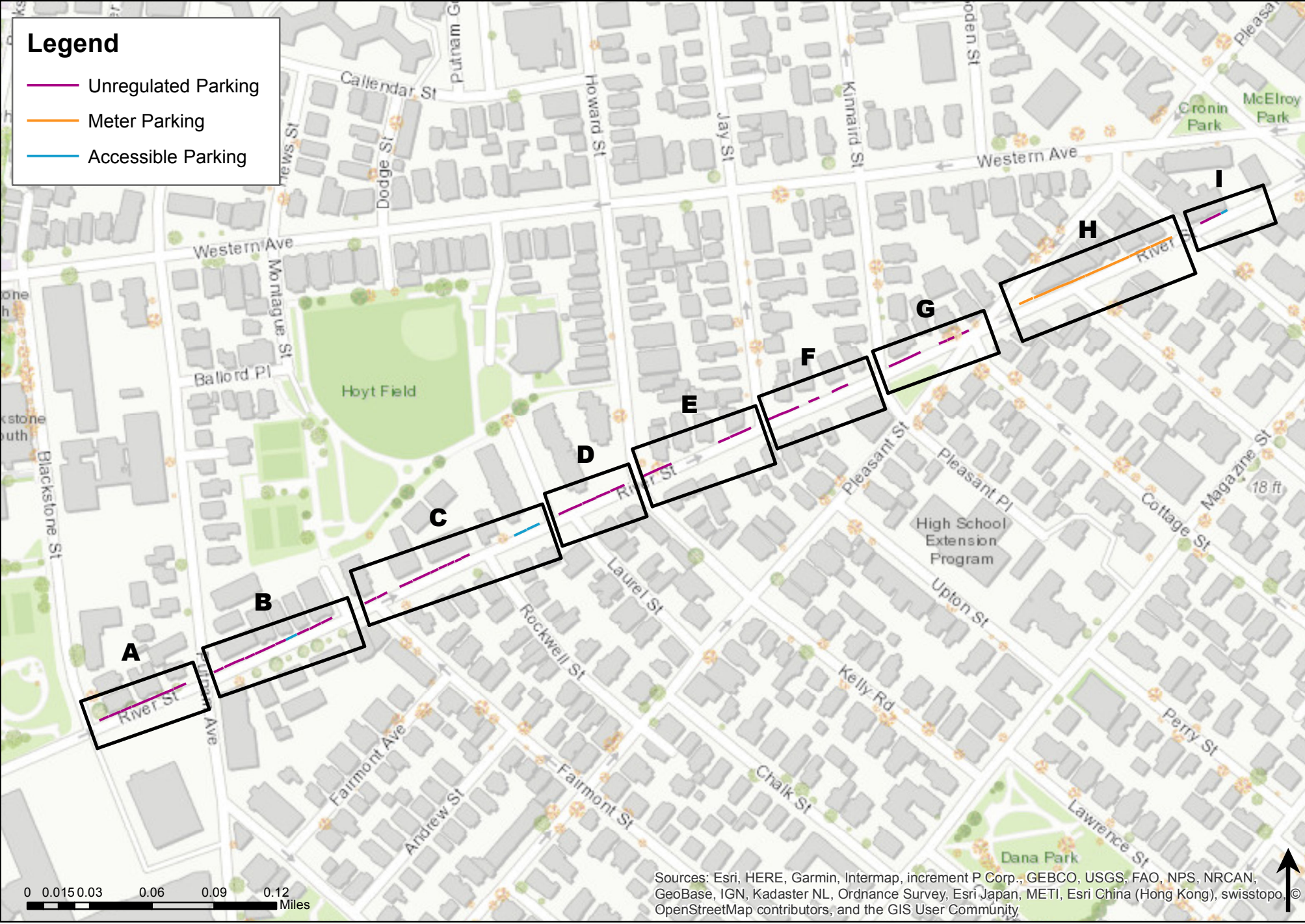
- In the study area as a whole, parking supply is well utilized throughout the day, and especially in evening and overnight where utilization ranges from 83% to 91%. Utilization in the study area as a whole was not recorded below 70% on the observation days.
- Parking utilization on River Street peaks at 8:00 PM at 94%, with a secondary peak of 89% at 12:00 PM. Although utilization is not always at/over 85% it is recorded as over 85% at 12:00 PM, 6:00 PM, and 8:00 PM on observation days. Overnight River St is only recorded at 69% utilization, suggesting parking demand on River Street is likely driven by businesses and entertainment in Central Square. This is emphasized by the high utilization of the metered parking on River Street between 6:00 PM and 8:00 PM.
- Parking utilization in the neighborhoods north and south of River Street appears to be driven by residential demand, with highest utilization for both at 6:00 PM and later.
- With both of the neighborhoods north and south of River Street and River St itself having parking utilization recorded in the evening (6:00 PM- 8:00 PM), it is unlikely parking demand could be shifted from one area to another during these peak times.
- Parking around Tubman Square is highly utilized between 8:00 AM and 2:00 PM. There is available capacity after 6:00 PM; however, at this time both River Street and parking south of River Street are highly utilized as a whole.





## Appendix E.0 Parking Turnover Map

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**Legend**

- Unregulated Parking
- Meter Parking
- Accessible Parking

0 0.015 0.03 0.06 0.09 0.12 Miles

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, OpenStreetMap contributors, and the GIS User Community



Block ID Map  
River Street Parking Turnover Study  
Cambridge, MA