



NEW YORK METROPOLITAN TRANSPORTATION COUNCIL



[HUB BOUND
TRAVEL DATA
2019]

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Hub Bound Travel Data Report 2019 New York Metropolitan Transportation Council

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Disclaimer

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MANHATTAN CBD CORDON CROSSINGS BY SECTOR

60TH STREET SECTOR (WEST SIDE)

Sixth Avenue
Seventh Avenue (IRT)
Broadway (BMT)
Eighth Avenue (IND)
Columbus Avenue
Amsterdam Avenue
West End Avenue
Amtrak Tunnel
West Side Highway

60TH STREET SECTOR (EAST SIDE)

Fifth Avenue
Madison Avenue
Park Avenue (Metro-North)
Lexington Avenue (IRT)
Third Avenue
Second Avenue
First Avenue
York Avenue
FDR Drive

QUEENS SECTOR

63rd Street Tunnel (IND)
60th Street Tunnel (BMT/IND)
E Koch Queensboro Br. -Tramway
53rd Street Tunnel (IND)
Steinway Tunnel (IRT)
Queens-Midtown Tunnel
Amtrak/LIRR Tunnels

NEW JERSEY SECTOR

Lincoln Tunnel (I-495)
Amtrak/NJ Transit Tunnels
Uptown Hudson Tubes (PATH)
Holland Tunnel (I-78)
Downtown Hudson Tubes (PATH)

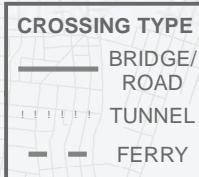
C B D

BROOKLYN SECTOR

14th Street Tunnel (BMT)
Williamsburg Bridge (BMT)
Rutgers Tunnel (IND)
Manhattan Bridge (BMT)
Brooklyn Bridge
Cranberry Tunnel (IND)
Clark Tunnel (IRT)
Montague Tunnel (BMT)
Joralemon Tunnel (IRT)
Hugh L. Carey Tunnel (I-478)

STATEN ISLAND SECTOR

Staten Island Ferry



For IRT, BMT, IND, and PATH see the notes on page iii

Types of Rapid Transit Rail Abbreviations:

IRT

The **Interborough Rapid Transit Company (IRT)** was the private operator of the original underground New York City Subway line that opened in 1904, as well as earlier elevated railways and additional rapid transit lines in New York City. The IRT was purchased by New York City in June 1940. The former IRT lines (the numbered routes in the current subway system) are now the A Division or IRT Division of the New York City Subway.

IND

The **Independent Subway System (IND)**, formerly known as the **Independent City-Owned Subway System** or the **Independent City-Owned Rapid Transit Railroad**, was a rapid transit rail system in New York City that is now part of the New York City Subway. It was first constructed as the Eighth Avenue Line in Manhattan in 1932. One of three rail networks that became part of the modern New York City subway, the IND was intended to be fully owned and operated by the municipal government, in contrast to the privately operated or jointly-funded Interborough Rapid Transit Company (IRT) and Brooklyn-Manhattan Transit Corporation (BMT) companies. It was merged with these two networks in 1940.

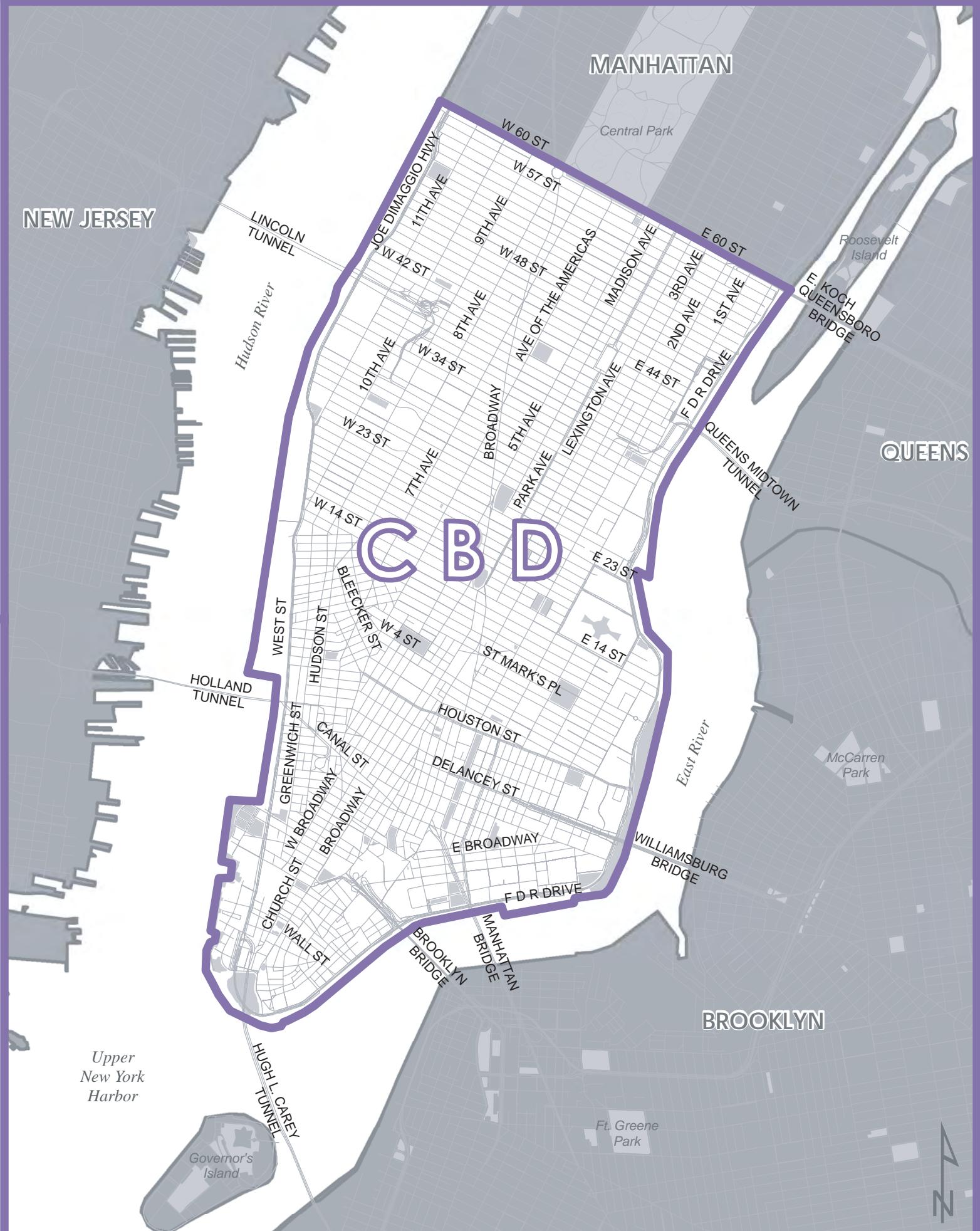
BMT

The **Brooklyn–Manhattan Transit Corporation (BMT)** was an urban transit holding company, based in Brooklyn, New York City, United States, and incorporated in 1923. The system was sold to the city in 1940. Today, together with the IND subway system, it forms the B Division of the modern New York City Subway.

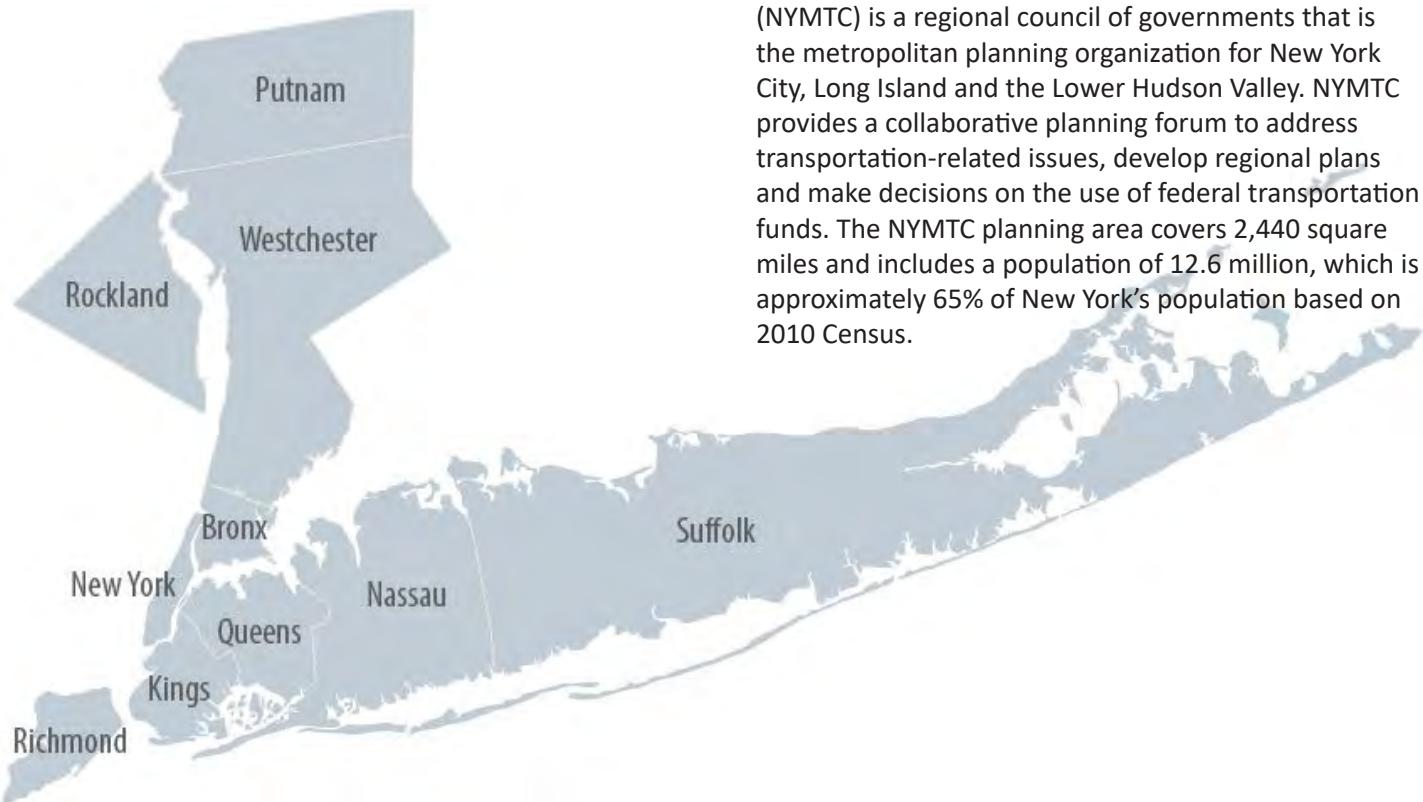
PATH

Port Authority Trans-Hudson, abbreviated **PATH**, is a rapid transit system serving Newark, Harrison, Hoboken, and Jersey City in metropolitan northern New Jersey, as well as lower and midtown Manhattan in New York City. The PATH is operated by, and named after, the Port Authority of New York and New Jersey.

MANHATTAN CENTRAL BUSINESS DISTRICT MAP



About NYMTC:



The New York Metropolitan Transportation Council (NYMTC) is a regional council of governments that is the metropolitan planning organization for New York City, Long Island and the Lower Hudson Valley. NYMTC provides a collaborative planning forum to address transportation-related issues, develop regional plans and make decisions on the use of federal transportation funds. The NYMTC planning area covers 2,440 square miles and includes a population of 12.6 million, which is approximately 65% of New York's population based on 2010 Census.

The New York Metropolitan Transportation Council (NYMTC) hereby gives public notice that it is the policy of the Council to assure full compliance with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, Executive Order 12898 on Environmental Justice, and related statutes and regulations in all programs and activities. Title VI requires, and it is our policy, that no person in the United States of America shall, on the grounds of race, color, national origin, sex, age, or disability, be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which NYMTC receives federal financial assistance.

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If information is needed in another language, contact 212-383-7200.

Data Availability:

- The data contained in this report is available for download in Excel format at www.nymtc.org, under Data and Modeling.
- The data can also be visualized using our web application called Transportation Information Gateway (TIG) at www.tig.nymtc.org.
- All the data presented in this report is provided the relevant transportation agencies. Sources can be found on page IV-1, Appendix IV of this report.
- Due to the loss of NYMTC's files and databases on Sept. 11, 2001, data for 1999 is largely absent. Some sources were able to provide limited data for that year.

Preface:

The 2019 Hub Bound Travel Data Report provides data and analysis on the numerous transportation services and facilities serving the “Hub” of the region, which includes the Manhattan Central Business District (CBD) (the lower portion of Manhattan from the northern boundary of 60th Street to the southern boundary of Battery Park). The report examines travel to and from the Hub by several modes: public transportation, private motor vehicle, and bicycle. The data presented in the report details entry to and exit from the Hub at specific facilities for each hour on a typical fall business day. For this analysis, most of the data were collected on a business day in October 23, 2019. Both vehicles travelled and persons travelled are shown for all public and private transportation modes. **The sectors shown in the tables (60th Street, Queens, Brooklyn, Staten Island and New Jersey) are strictly the entry and exit points in the Hub bound survey and are not necessarily the actual origins or destinations of trips.**

The Hub Bound Travel Data Report details total travel by mode, time of day, facility, and sector, providing transportation professionals and the general public with a valuable resource for defining the Hub’s transportation issues and predicting future demand on the transportation infrastructure. The time series analysis presented in Table 1A contains a useful comparison of current and previous years’ travel volumes.

The 2019 Hub Bound travel data in this report are shown in four appendices:

Appendix I

Presents historical information comparing volumes of travelers and vehicles, employment, population, transit levels of comfort (measured by average floor space per passenger) and the cumulative number of people and vehicles in the CBD;

Appendix II

Summarizes the peak hour and peak period figures in each travel mode by facility and sector level;

Appendix III

Provides detailed figures for each of the various travel modes addressed in this report. These tables show hourly volumes of travelers and vehicles. The figures are summarized by facility and sector;

Appendix IV

Lists the various public and private agencies that have jurisdiction over travel through the CBD gateways and have traditionally made their survey data available for this report.

History:

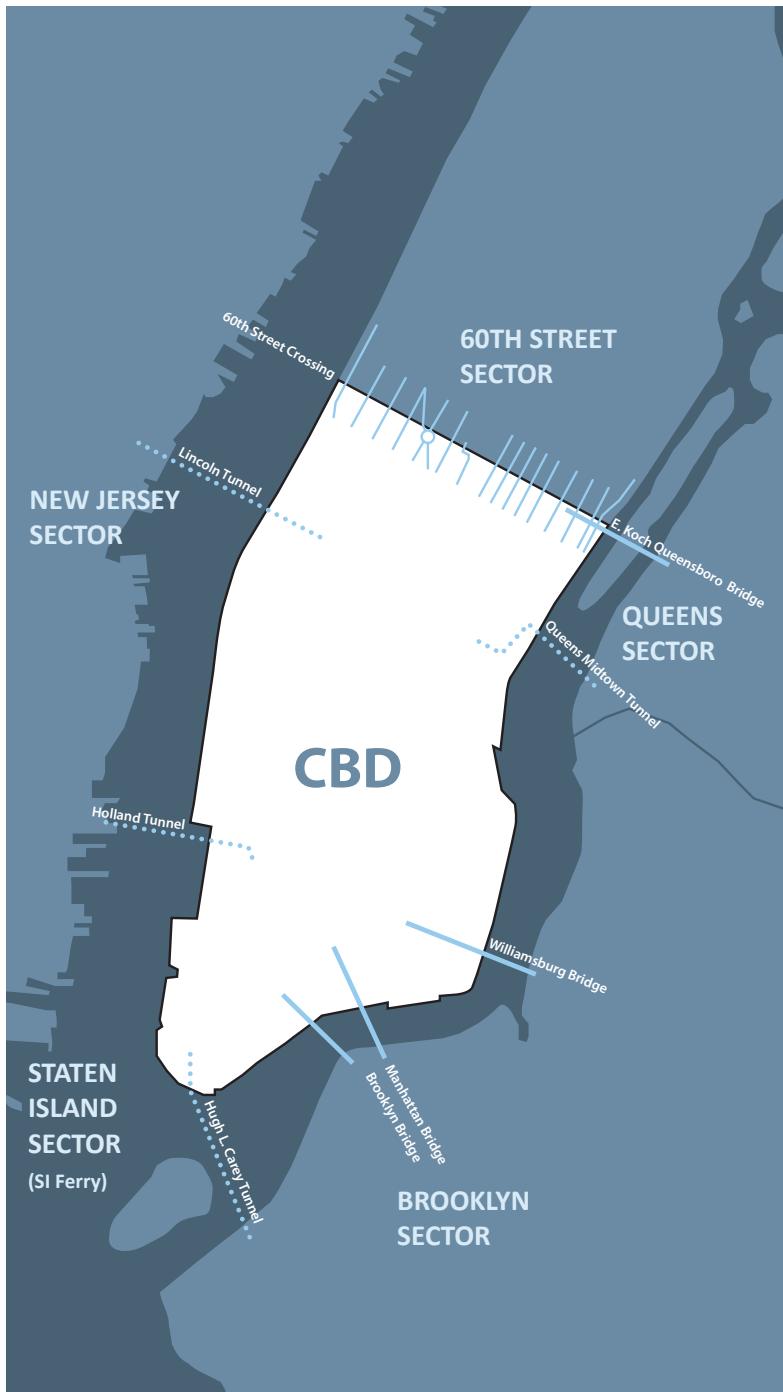
The first travel survey of the Manhattan Central Business District (CBD) was conducted and published by the Regional Plan Association in 1924. The report referred to the district as the “Hub,” reflecting the CBD’s unique role in the region’s economy. Subsequent surveys were conducted at eight-year intervals until 1963, when the Tri-State Regional Planning Commission assumed responsibility for the project, publishing it annually beginning in 1971. The New York Metropolitan Transportation Council (NYMTC) has sponsored the project and published the report since the Council’s inception in 1982.

QUICK REFERENCE DATA
PERSONS ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY
BY MODE AND SECTOR, IN 2019

SECTOR / MODE	Entering	Leaving	Total
60TH STREET			
SUBWAY	826,943	820,178	1,647,121
AUTOS, TAXIS, VANS AND TRUCKS	379,613	399,098	778,711
BUS	33,504	32,037	65,541
SUBURBAN AND INTERCITY RAIL	112,656	113,640	226,296
FERRY	-	-	-
BICYCLE	21,984	22,255	44,239
TOTAL 60TH STREET SECTOR - ALL MODES	1,374,700	1,387,208	2,761,908
BROOKLYN			
SUBWAY	791,448	754,015	1,545,463
AUTOS, TAXIS, VANS AND TRUCKS	255,003	262,672	517,675
BUS	19,097	17,332	36,429
SUBURBAN AND INTERCITY RAIL	-	-	-
FERRY	2,832	2,371	5,203
BICYCLE	7,578	8,040	15,618
TOTAL BROOKLYN SECTOR - ALL MODES	1,075,958	1,044,430	2,120,388
QUEENS (and TRAMWAY)			
SUBWAY	469,581	462,672	932,253
AUTOS, TAXIS, VANS AND TRUCKS	164,136	160,974	325,110
BUS	11,479	9,791	21,270
SUBURBAN AND INTERCITY RAIL	124,192	122,651	246,843
FERRY	4,597	3,730	8,327
BICYCLE	2,606	2,510	5,116
TRAMWAY	3,716	4,104	7,820
TOTAL QUEENS SECTOR - ALL MODES	780,307	766,432	1,546,739
NEW JERSEY			
SUBWAY and PATH	140,020	133,427	273,447
AUTOS, TAXIS, VANS AND TRUCKS	111,030	123,710	234,740
BUS	212,146	196,921	409,067
SUBURBAN AND INTERCITY RAIL	107,613	104,578	212,191
FERRY	19,408	17,412	36,820
BICYCLE	-	-	-
TOTAL NEW JERSEY SECTOR - ALL MODES	590,217	576,048	1,166,265
STATEN ISLAND (via FERRY)			
SUBWAY	-	-	-
AUTOS, TAXIS, VANS AND TRUCKS	-	-	-
BUS	-	-	-
SUBURBAN AND INTERCITY RAIL	-	-	-
FERRY	34,184	33,991	68,175
BICYCLE	342	273	615
TOTAL STATEN ISLAND (via FERRY)	34,526	34,264	68,790
ALL SECTORS			
SUBWAY	2,227,992	2,170,292	4,398,284
AUTOS, TAXIS, VANS AND TRUCKS	909,782	946,454	1,856,236
BUS	276,226	256,081	532,307
SUBURBAN AND INTERCITY RAIL	344,461	340,869	685,330
FERRY	61,021	57,504	118,525
BICYCLE	32,510	33,078	65,588
TRAMWAY	3,716	4,104	7,820
TOTAL ALL SECTORS - ALL MODES	3,855,708	3,808,382	7,664,090

HIGHLIGHTS

- 1** On a fall business day in 2019, nearly 3.9 million people entered Manhattan's Central Business District (CBD), 13,700 people or 0.4% more compared to a fall business day in 2018.
- 2** A total of almost 7.7 million persons entered and left the Manhattan CBD on the survey day in 2019, about 0.1% (or almost 7,400 people) more than in 2018.
- 3** Similar to the 2018 Hub Bound data counts, 37% of persons who entered the CBD on the survey day in 2019 did so during the morning peak period, from 7:00 AM to 10:00 AM. (Table 3)
- 4** Approximately 5.7 million persons entered and left the CBD using public transportation in 2019 - about 48,000 or 0.8% less than those who used public transportation in 2018. (Table 5)
- 5** The total number of people entering and leaving the Hub by autos, taxis, vans and trucks increased by about 57,000 (to nearly 1.9 million) since 2018. (Table 10)
- 6** About 84% of express bus passengers entering the CBD in 2019 came from west of the Hudson River via the Lincoln and Holland Tunnels, while 16% of all express bus passengers came from other points of entry. (Table 9)
- 7** Approximately 41% of all private vehicles (autos, taxis, commuter vans and trucks) entering and leaving the CBD in 2019 did so via the 60th Street Sector (all avenues east and west of Central Park). Brooklyn, Queens and New Jersey sectors accounted for about 29%, 17%, and 13% of the total number of private vehicles, respectively. (Table 11)
- 8** Nearly 23% of travelers crossing the CBD boundaries during the morning peak hours (7:00 AM - 10:00 AM) traveled counter to the predominant direction of travel. Of these reverse travelers, almost 61% traveled by subway. Overall morning reverse subway travel increased by 1.1% since 2018. (Table 12)
- 9** The heaviest hour for travel into the CBD in 2019 was 8:00 AM to 9:00 AM, during which almost 620,000 persons entered the CBD. Nearly 65% of these travelers entered the CBD using the subway system while about 9% took private vehicles and almost 16% rode suburban rail (Table 24). The evening peak leaving the city saw about 490,000 persons leave the CBD between 5:00 PM and 6:00 PM; 61% of these travelers rode the subway, almost 11% took a private vehicle, and nearly 17% traveled by regional rail. (Table 25)
- 10** MTA New York City Transit subways carry 86.5% of all rail passengers entering and leaving the CBD each day. About 52.8% of the subway passengers travelled during the morning (7:00 AM – 10:00 AM) and evening (4:00 PM – 7:00 PM) peak periods; the remaining 47.2% of all subway passengers travelled during the off-peak periods. (Table on page III-17 and III-18)
- 11** The total number of inbound and outbound ferry commuters was almost 119,000 on a fall business day in 2019. About 56% of these trips originated in Staten Island and 31% in New Jersey. The remaining 11% of ferry commuters came from Brooklyn and Queens sectors. (Table on page III-43)
- 12** Approximately 1% (or nearly 66,000) of persons entering and leaving the hub on a fall business day in 2019 used bicycles. This total has decreased by about 1,600 cyclists since 2018. Most people (67%) entering and leaving the hub on bicycles came from the north of 60th St, while 24%, 8% and 1% of all cyclists came from Brooklyn, Queens and Staten Island sectors, respectively. (Table on page III-44)



THE HUB OF THE REGION

Defined as that portion of Manhattan lying south of 60th Street, the Manhattan Central Business District (CBD) is the Hub of the tri-state region.

- The most travelled routes in the region are those to and from the Hub
- Almost 2 million people were employed in the CBD in 2019.
- There are significant numbers of commercial, educational and cultural activities for which the Manhattan CBD is renowned.

SECTORS OF ENTRY

People may enter the Central Business District of Manhattan (CBD or the Hub) through one of the following five gateways (CBD map, page ii):

- 60th Street Sector
- Brooklyn Sector
- Queens Sector
- New Jersey Sector
- Staten Island Sector

People entering the CBD from 60th Street originate from upper Manhattan, the Bronx, counties to the north of New York City, from Connecticut, or may have crossed the George Washington Bridge from New Jersey.

Travel from the Brooklyn Sector, for the most part, may originate from the borough of Brooklyn itself, with the remainder of travelers originating from Staten Island, Queens, Nassau and Suffolk counties.

Travelers from the Queens Sector may originate from Queens, Nassau and Suffolk counties, as well as some arriving across the Whitestone and Throgs Neck bridges from the Bronx, upstate New York and Connecticut.

The New Jersey Sector provides access to the CBD via Lincoln and Holland Tunnels for the travelers coming predominantly from New Jersey, from points west of the Hudson River and some from Staten Island.

The Staten Island Sector enters the Manhattan CBD via the Staten Island Ferry service and is considered a separate clearly defined sector not encompassed in the above four sectors. (CBD map, page ii)

CORDON CROSSINGS

In 2019, almost 36 percent of all daily entries to the CBD crossed 60th Street inbound from the north. The total number of persons arriving to the CBD from Brooklyn, Queens and New Jersey sectors accounted for about 28, 20 and 15 percent of all total entries, respectively. Hub bound ferry travel via the Staten Island Sector reached about 35 thousand passengers or nearly 1 percent of the total entries to the CBD in 2019.

Figure 1 and Figure 2 show the numbers of travelers entering the Hub from each sector, across the cordon lines (CBD map, page ii) that cover the major entry points into the CBD.

- North of 60th Street
- Brooklyn
- Queens
- New Jersey
- Staten Island & Roosevelt Island *

* Includes only Staten Island Ferry and Roosevelt Island Tramway passengers

FIGURE 1
**TOTAL NUMBER OF PEOPLE
ENTERING THE HUB
ON A FALL BUSINESS DAY
BY SECTOR, IN 2019**

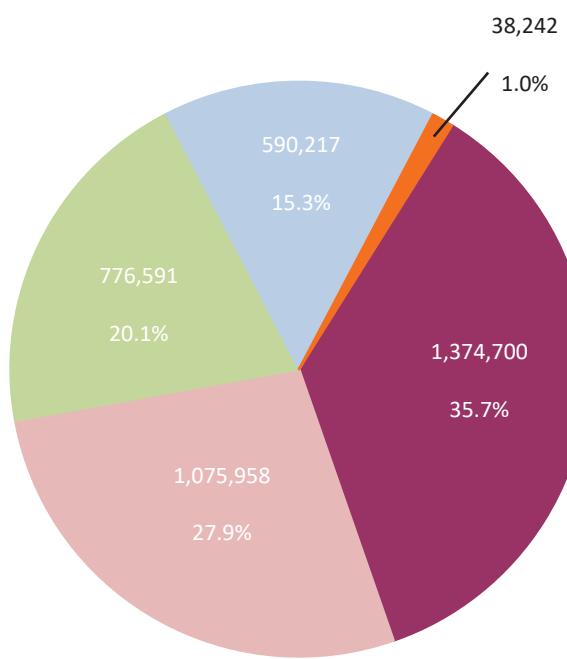
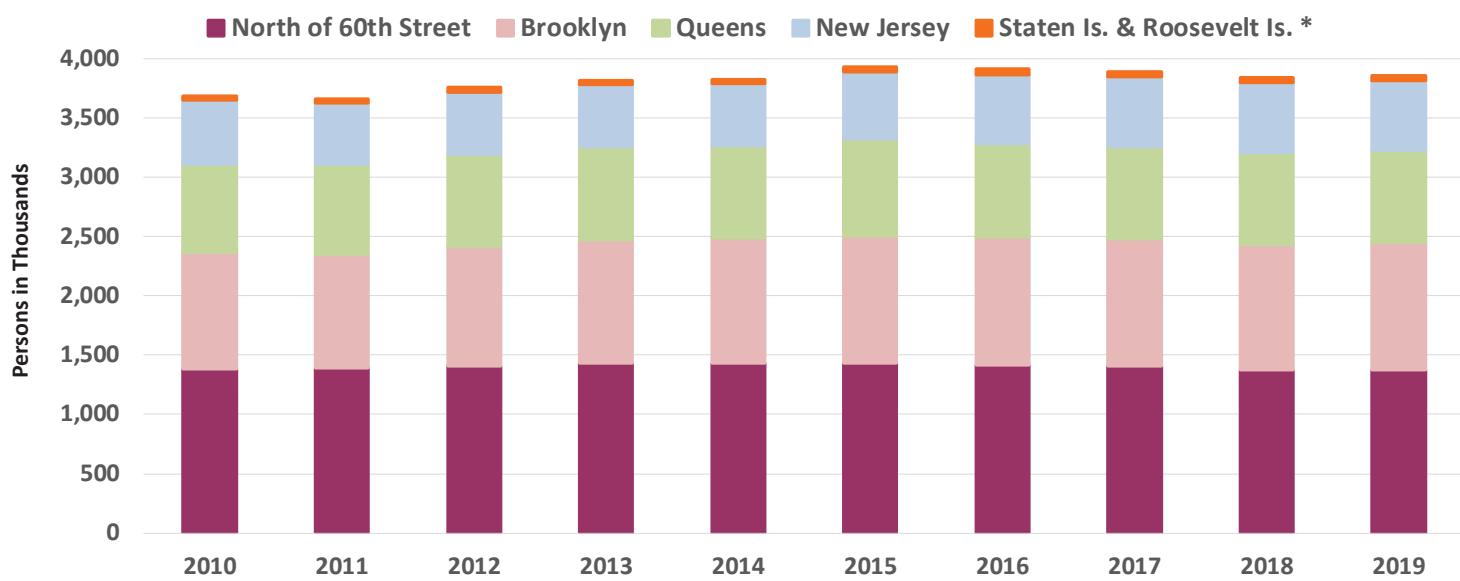


FIGURE 2
**TOTAL NUMBER OF PEOPLE ENTERING THE HUB
ON A FALL BUSINESS DAY
BY SECTOR, BY YEAR**



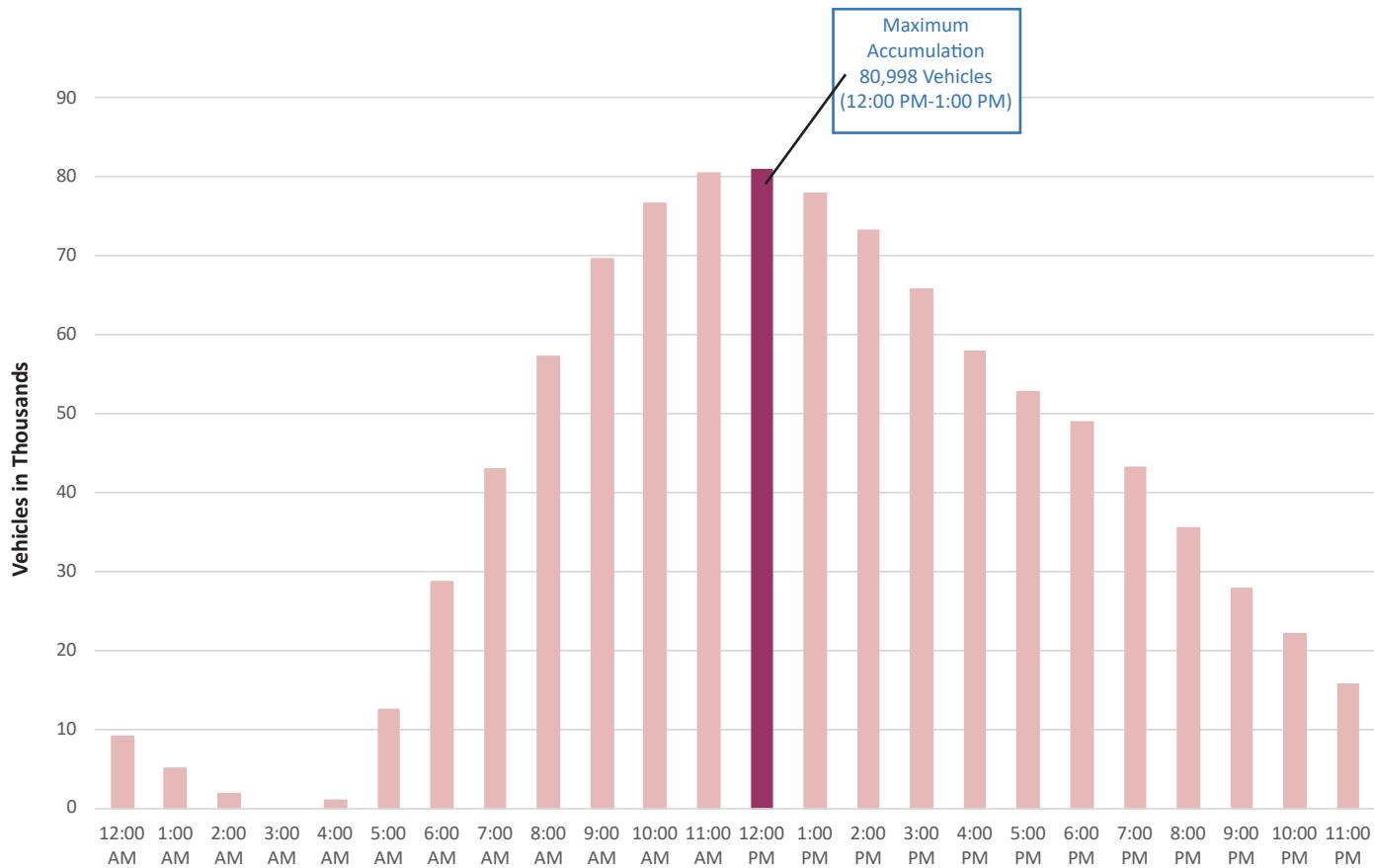
* Includes only Staten Island Ferry and Roosevelt Island Tramway passengers

This report also tracks the maximum net accumulation of persons in the Hub for all travel modes. This figure increased by 0.3 percent (or about 4,000 persons) since 2018 to a maximum accumulation of more than 1.38 million travelers (Table 21B, Appendix II). The report also tracks the time that this maximum accumulation occurs. Typically, the number of persons accumulated in the Hub reaches a peak in the early afternoon, and 2019 was no exception.

The number of people travelling via public transportation had a very small change (about 1 percent) during morning peak periods (7:00 AM to 10:00 AM) and -1.2 percent during evening (4:00 PM to 7:00 PM) peak periods, since 2018 (Table 22A, Appendix II).

Maximum accumulation of almost 81,000 vehicles occurred between 12:00 PM - 1:00 PM in 2019, almost 12,300 or 19.6 percent more than the year before (Figure 3 and Table 23B, Appendix II).

FIGURE 3
HOURLY ACCUMULATION OF VEHICLES
ON A FALL BUSINESS DAY
BY SECTOR, IN 2019



CHANGES IN HUB-BOUND TRAVEL

In 2019, 3.86 million people entered the CBD on a typical business day (Table 1A); an increase of about 0.4% (nearly 14,000 people) since the 2018 total daily entry.

During the 10-year period between 2009 and 2019, the total number of people entering the CBD increased by about 7.2%, to a peak of over 3.93 million in 2015, 3.91 million in 2016, and 3.89 million in 2017 (Table 1A, Appendix I).

PUBLIC TRANSPORTATION

Public transit continues to play a central role in meeting regional travel needs despite minor declines in usage. Trips to the Hub made by all modes of public transportation decreased by 0.6% since 2018. Trips made by the same modes of public transportation decreased by 2.3% since 2015, but increased by 11% during the decade between 2009 and 2019 (Figure 4 and Table 22A, Appendix II).

FIGURE 4

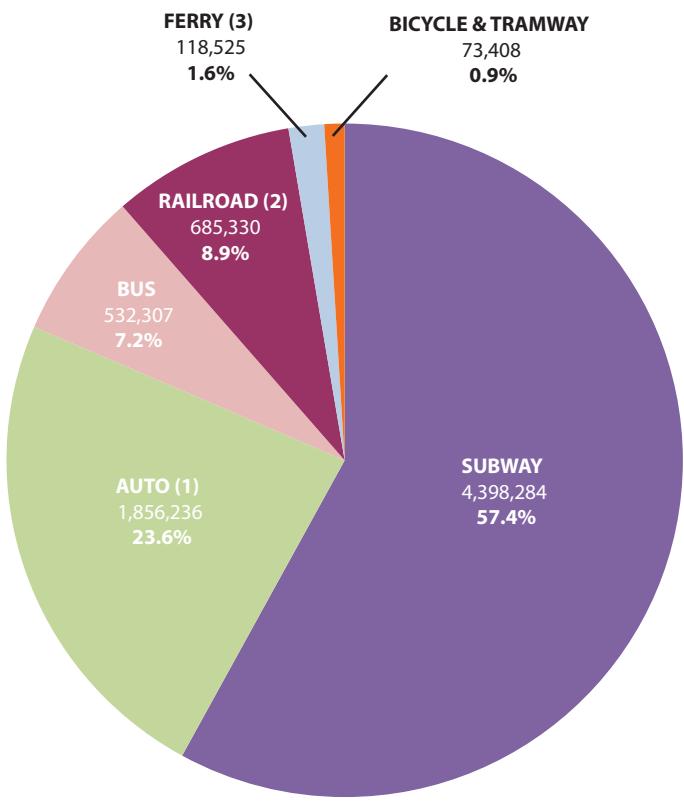
TOTAL NUMBER OF PEOPLE ENTERING THE HUB ON A FALL BUSINESS DAY IN THOUSANDS



Bus ridership decreased by 2.3 percent in 2019. The subway transported about 1 percent fewer passengers (entering and leaving the Hub) than in 2018 (Table 5). Downtown and uptown PATH carried about 1.3% more passengers than in 2018. Suburban and intercity rail services carried 2.5% or over 16,000 more passengers than a year ago at the same time (Table 5).

Of all passengers entering and leaving the Hub in 2019, the relative amount of subway, railroad, and bus passengers reached 57.4%, 8.9%, and 7.2%, respectively (Figure 5).

FIGURE 5
**TOTAL NUMBER OF PEOPLE
 ENTERING and LEAVING THE HUB
 ON A FALL BUSINESS DAY**
 BY MODE, IN 2019



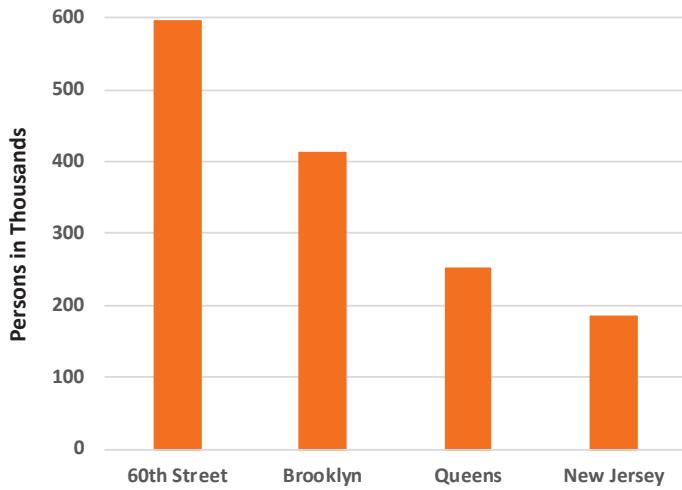
- (1) Includes: Autos, Taxis, Commuter Vans, and Trucks
- (2) Suburban and Intercity Rail Transit (such as NJ Transit; AMTRAK; LIRR)
- (3) Excludes Bicyclists on SI Ferry

Trips via ferries (both publicly and privately operated) decreased by about 8.8% in 2019 compared with 2018. Roosevelt Island Tramway ridership increased by almost 6.7% or about 500 persons, daily (Table 5). Approximately 84% of all bus passengers traveled into the Hub by express buses and almost 70% of all bus passengers commuted from New Jersey (Table 9, Appendix I).

PRIVATE TRANSPORTATION

In 2019, private transportation brought about 24.0% of all persons into the CBD. This is an increase of about 3.6% or almost 32,000 travelers since 2018. The total number of people entering and leaving the Hub by private vehicles increased by 3.2 percent or about 57,000 persons on a typical business day in 2019 compared with 2018. The largest part of this increase (with absolute volume of over 63,000 and 26,000 travelers) came from vehicles crossing to and from Brooklyn and Queens sectors, respectively. The 60th Street and New Jersey sectors experienced a decrease of 3.9% or 32,000 travelers and 0.5% or about 1,100 travelers, respectively, in the number of people entering and leaving the Hub in the same time period (Table 10, Appendix I and Figure 6).

FIGURE 6
**TOTAL NUMBER OF PRIVATE VEHICLES *
 ENTERING and LEAVING THE HUB
 ON A FALL BUSINESS DAY**
 BY SECTOR, IN 2019



* Includes Autos, Taxis, Commuter Vans, and Trucks

There were approximately 65,600 daily bicycle trips to and from the CBD in 2019, which is about a 2.3% decrease since 2018 (Table on page III-44).

MODE OF TRAVEL

Travelers entering the CBD may choose from a wide variety of public or private forms of transportation. Depending on origin, destination and preference, options include:

- Subway
- Bus
- Suburban Rail
- Intercity Rail
- Ferry
- Tramway
- Motor Vehicle
- Bicycle

Share of travel modes is shown in Figure 5.

This report does not include data on people arriving by foot, air, private cruise or commercial ships in the CBD.

Subway service is provided by the MTA New York City Transit and by Port Authority Trans-Hudson (PATH) systems.

Bus service is provided on local and express routes by MTA New York City Transit and on express routes by MTA Bus Company, NJ Transit, Westchester County Bee-Line, and by private operators outside of the five boroughs of New York City.

Suburban rail service is provided by MTA Metro North Railroad, MTA Long Island Rail Road, and by New Jersey Transit.

Intercity rail service is offered by Amtrak to destinations such as Boston, Philadelphia, Washington DC, and Albany.

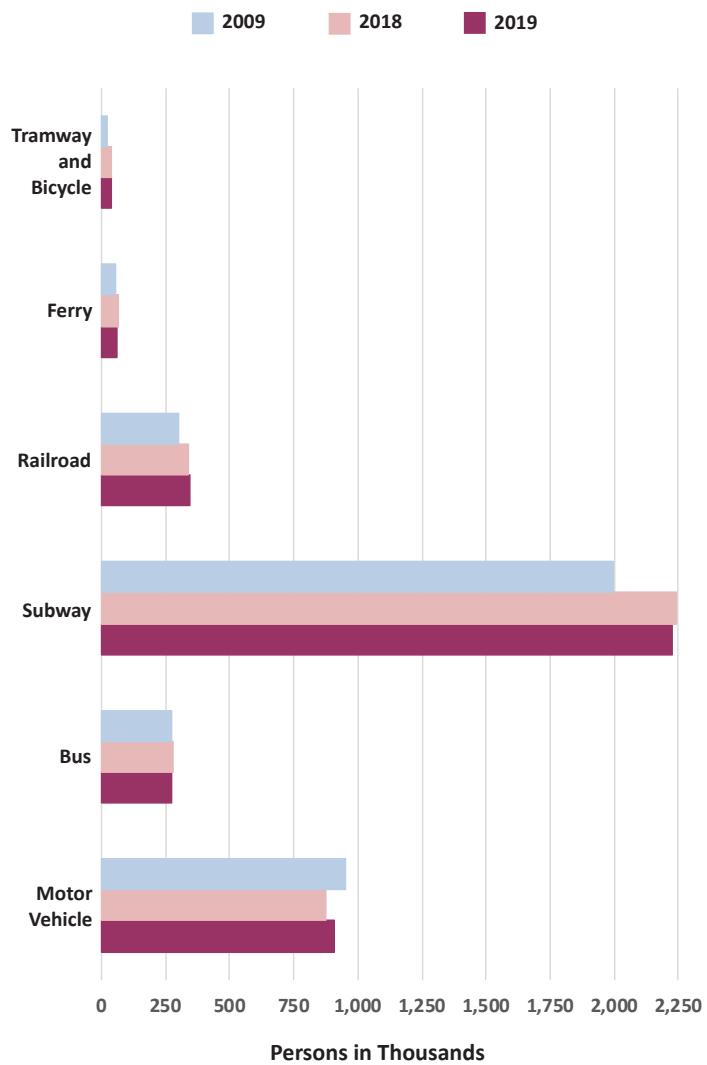
Ferry service is provided by the following ferry operators:

- Staten Island Ferry
- NY Waterway
- Hornblower
- NY Water Taxi and Circle Line Downtown
- Liberty Landing Ferry
- Seastreak Ferry

Tramway service is provided by Roosevelt Island Operating Corporation.

Motor vehicles include private autos, taxis, and private and commercial vans and trucks. This also includes livery service vehicles and commuter vanpools.

FIGURE 7
**TOTAL NUMBER OF PEOPLE
ENTERING THE HUB
ON A FALL BUSINESS DAY
BY MODE**
IN 2009, 2018 and 2019



A. Subway

The subway system continued to be the most popular mode of public transportation in 2019, transporting a daily average of over 2.23 million passengers into the Hub (about 0.6% fewer than last year). This number of commuters however increased by nearly 12% in a decade period since 2009. In 2019, the subway system transported almost 40,600 fewer passengers entering and leaving the Hub compared with 2018 (Figure 7 and Table 1A, Appendix I).

B. Bus

Bus service into the Hub is provided primarily by the MTA through its sub-agencies: New York City Transit (NYCT) and MTA Bus Company. NYCT operates nearly all local bus routes in and through the Hub, as well as numerous express routes to and from the outer boroughs. The MTA Bus Company also provides service on express routes in and out of the Hub. This report organizes bus ridership based on the point of entry into the Hub, and not by originating location. In 2019, buses brought over 276,000 passengers daily into the Hub. Bus riders from New Jersey riding on express buses accounted for almost 77% (or over 212,000) of all bus passengers entering the Hub on a typical business day in 2019. In general, the proportions of passengers in express buses far exceeds local buses in most of the individual CBD sectors. In particular, 100% of New Jersey bus riders enter the Hub are using express buses. Similarly, from the Brooklyn Sector, 99% of bus commuters are express bus passengers, and 81% of Queens Sector bus commuters are also express bus passengers. Conversely, only 35% of all bus passengers entering the Hub via the 60th Street Sector are express bus commuters, with the remaining 65% of this sector's bus riders using local buses to enter the CBD in Manhattan (Figure 13, page 19 and Table 18, Appendix II).

C. Suburban and Intercity Rail

Commuter and Intercity rail trains brought about 344,500 passengers into the CBD on the survey date, a total of about 11.8% of all public transit passengers. That is almost a 9% share of all persons entering the Hub daily. In 2019, this mode experienced an increase in ridership of about 1.8 percent or 6,000 passengers. It continues to be the third most prevalent mode of entry into the Hub after the subway and private vehicles (Table 14 C, Appendix II).

FIGURE 8
**TOTAL NUMBER OF PEOPLE
ENTERING THE HUB
BY MODE, BY HOUR, IN 2019**

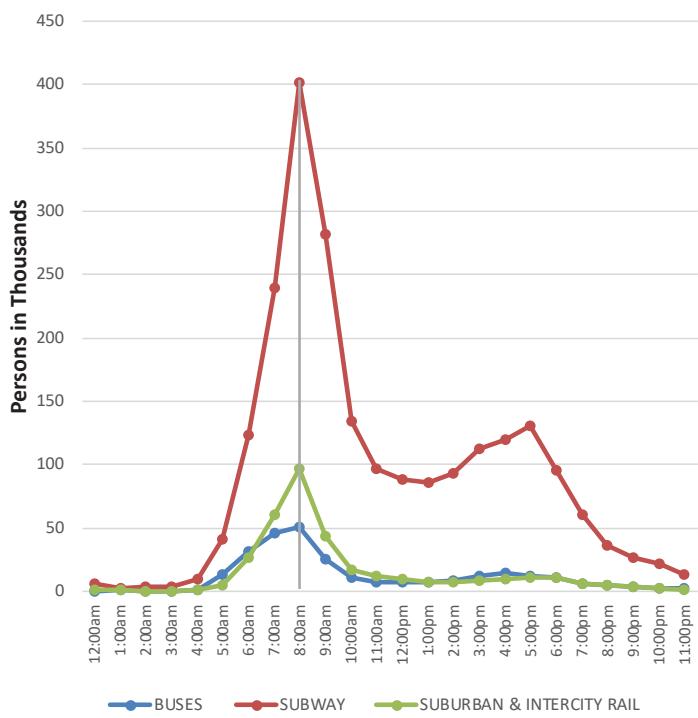
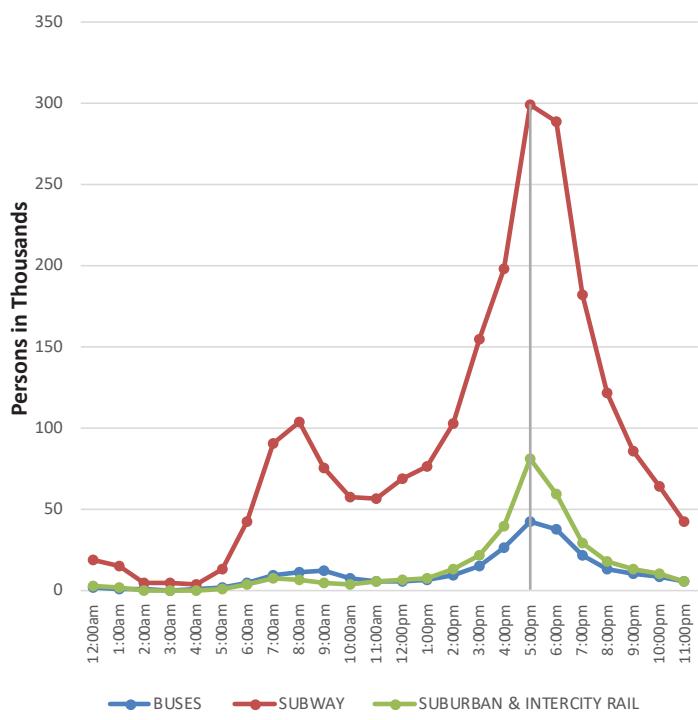


FIGURE 9
**TOTAL NUMBER OF PEOPLE
LEAVING THE HUB
BY MODE, BY HOUR, IN 2019**



D. Ferry and Tramway

Hub bound ferry travel via the Staten Island Sector reached nearly 34,200 inbound passengers in 2019, a decrease of about 18 percent since 2018. At the same time, the total of all private ferry passengers entering the Hub decreased by 8.8%, or about 5,900 persons, since 2018 (Figure 10 and Table on page III-43).

Roosevelt Island Tramway reported an increase in inbound passengers of about 190 persons or 5.3% compared with 2018 (Figures 11 and Table on page III-43).

FIGURE 10
TOTAL NUMBER OF FERRY PASSENGERS
ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY
BY SECTOR, IN 2019

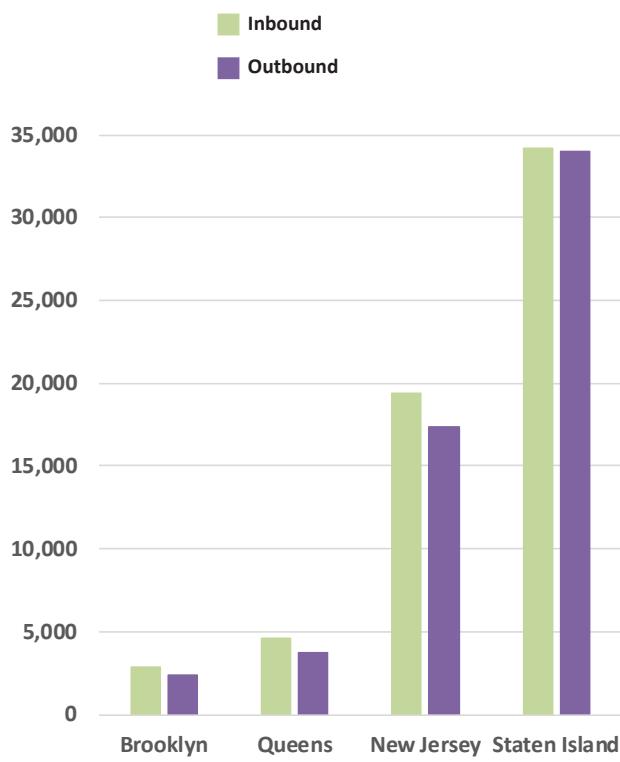
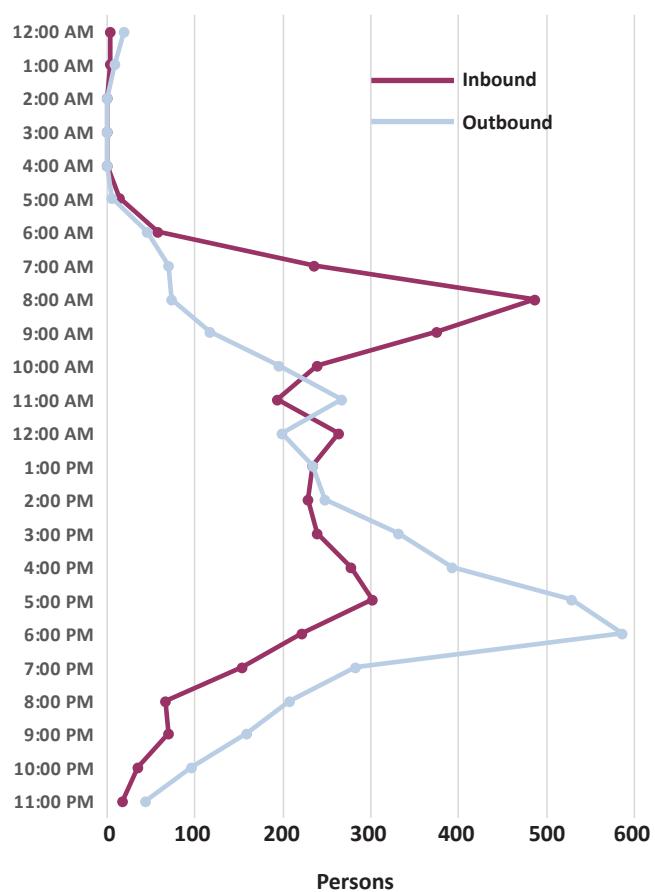


FIGURE 11
ROOSEVELT ISLAND TRAMWAY COMMUTERS
ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY IN 2019
BY HOUR



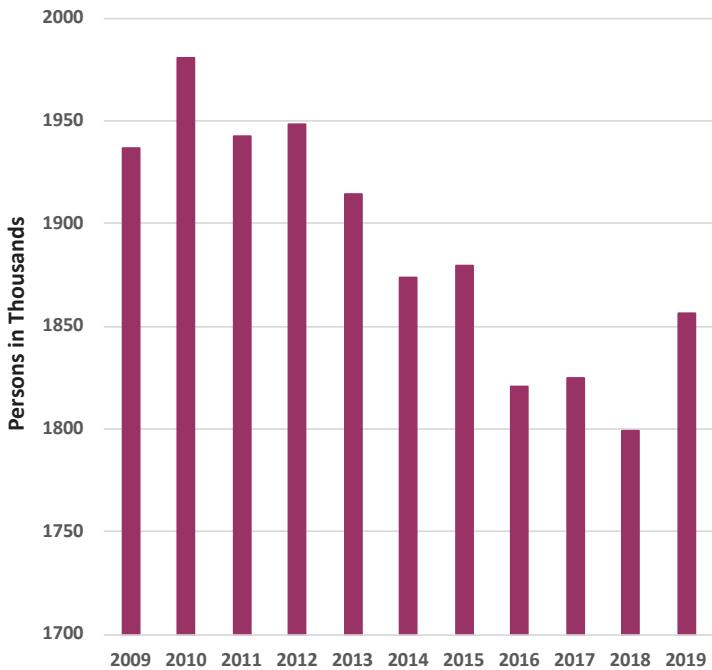
E. Motor Vehicles

Since the first Hub Bound Survey in 1924, private motor vehicles, including autos, taxis, vans and trucks, have been the second most common mode of transportation behind the subway system. In 2019, nearly 909,800 persons entered the Hub using private motor vehicles. This represents an increase of 3.6% or about 31,800 passengers compared with 2018 (Table 14 C, Appendix II).

Correspondingly, the share of travelers arriving from Brooklyn and Queens sectors by private vehicles increased by 18.1%, and 3.6%, respectively in 2019. At the same time, the 60th Street and New Jersey sectors experienced a decrease of about 3.1% and 0.6%, respectively in private motor vehicle riders entering the Hub on a typical business day in 2019 (Table 14C, Appendix II).

Almost 1.86 million people used private vehicles to enter and leave the Hub on a typical business day in 2019, 3.2% or almost 57,000 more than in 2018. (Figure 12).

FIGURE 12
**TOTAL NUMBER OF PEOPLE ENTERING
and LEAVING THE HUB
BY PRIVATE VEHICLES ***
ON A FALL BUSINESS DAY
BY YEAR

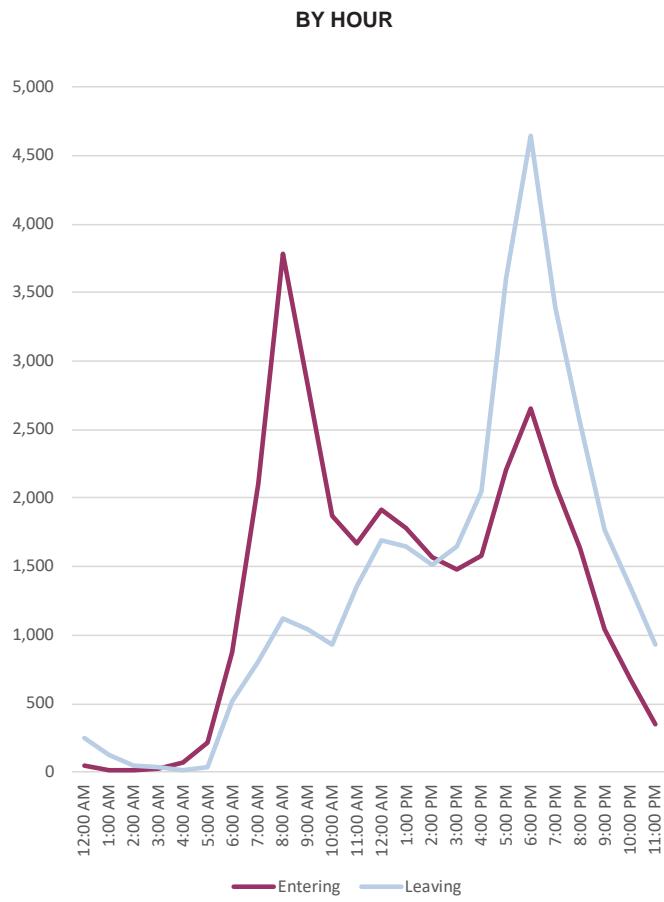


F. Bicycle

In 2019, survey data provided by the New York City Department of Transportation showed more than 32,500 bicyclists entering the Hub on a typical fall business day. This shows a decrease of 3.3% (1,100 riders) from 2018. The most active entry point to the Hub is the 60th Street Sector, generating almost 22,000 riders or 68% of all bicyclists entering the Hub daily in 2019. Approximately 7,600 bicyclists crossed the Brooklyn, Manhattan, and Williamsburg bridges from Brooklyn, while around 2,600 rode from Queens across the Ed Koch Queensboro Bridge. Bicyclists on trafficked roads were counted riding either with or against the flow of traffic (Table on page III-44).

Bicyclists' peaks were recorded at 8 AM (nearly 3,800 entering the Hub) and at 6 PM (about 4,600 leaving the Hub). (Figure 13)

FIGURE 13
**BICYCLISTS ENTERING and LEAVING
THE HUB ON A FALL BUSINESS DAY
IN 2019**

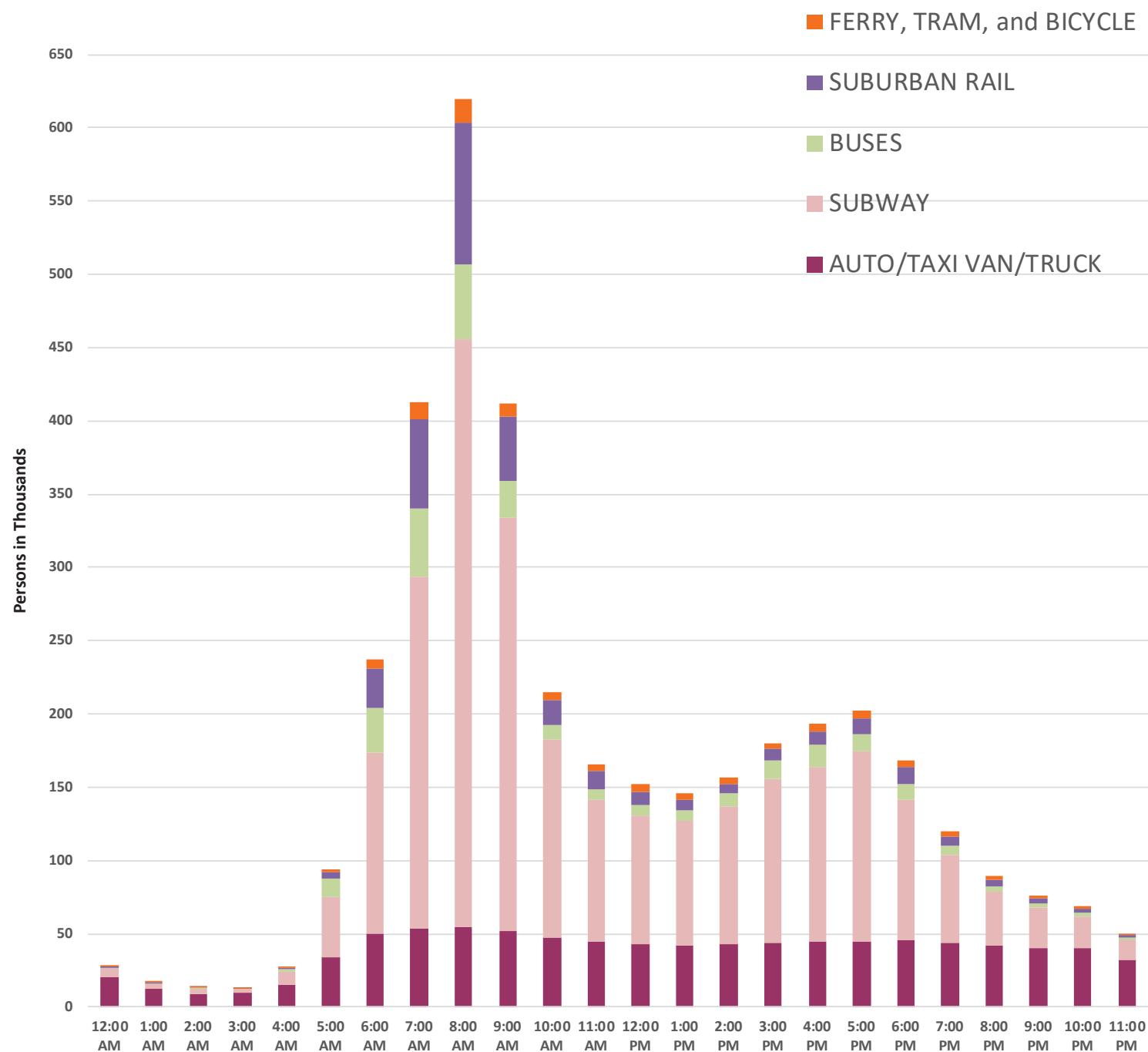


* Includes Autos, Taxis, Commuter Vans and Trucks

TIME OF ENTRY

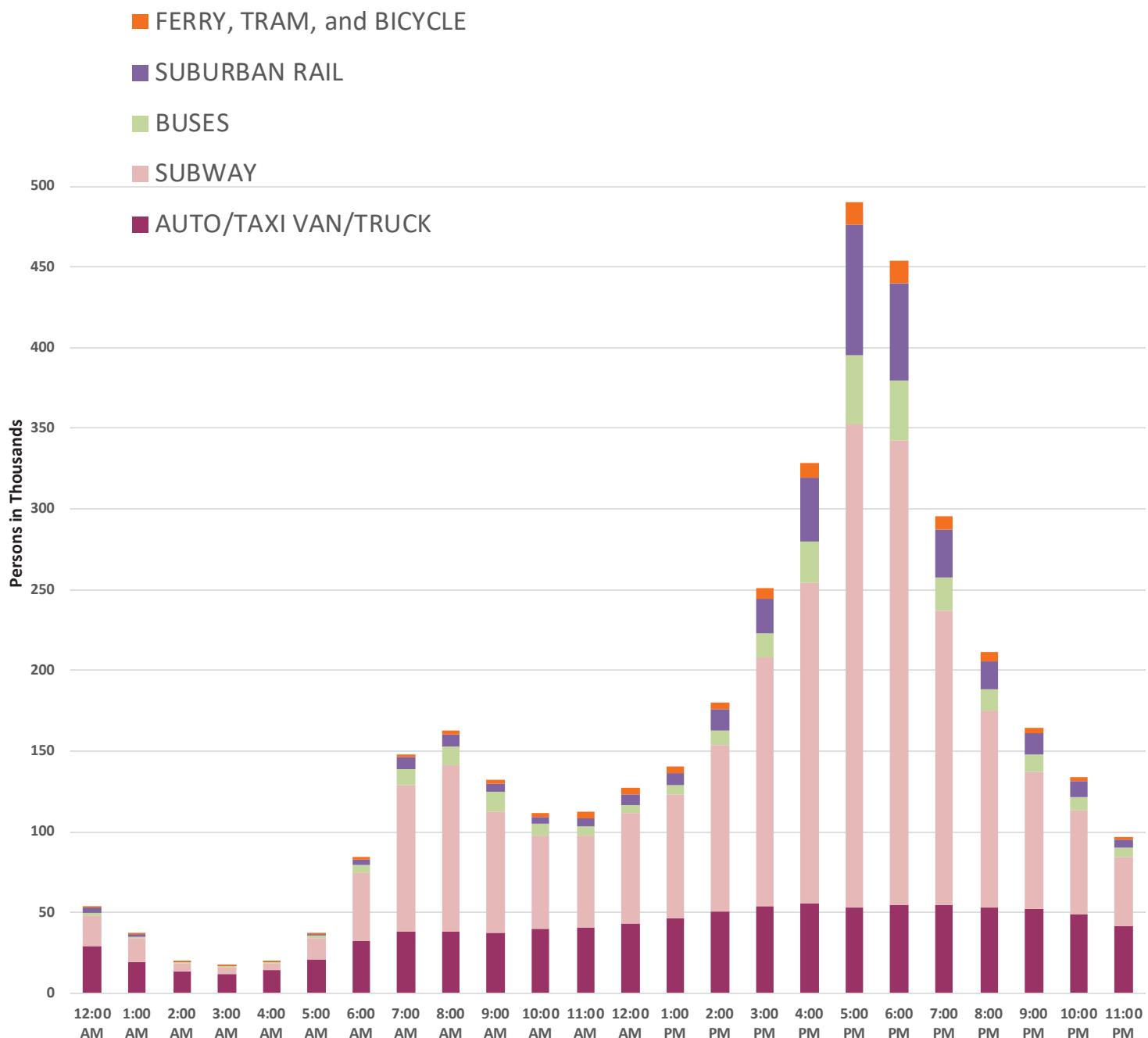
The total number of persons entering the CBD in 2019 during the morning peak hour of 8:00 AM to 9:00 AM was about 619,500; during the morning peak period of 7:00 AM to 10:00 AM it was about 1,443,600. This represented 16.1% and 37.4% of the total daily volume, respectively (Figure 14 and Tables 14A-14B, Appendix II).

FIGURE 14
TOTAL NUMBER OF PEOPLE ENTERING THE HUB
ON A FALL BUSINESS DAY, IN 2019
BY HOUR, BY MODE



The peak afternoon hour of 5:00 PM to 6:00 PM recorded more than 490,200 people leaving the Hub while the peak period of 4:00 PM to 7:00 PM recorded about 1,272,400 persons leaving the Hub by all modes. This represented 12.9% and 33.4% of the total daily volume, respectively (Figure 15 and Tables 15A - 15B, Appendix II).

FIGURE 15
**TOTAL NUMBER OF PEOPLE LEAVING THE HUB
 ON A FALL BUSINESS DAY, IN 2019**
 BY HOUR, BY MODE



Use of private vehicles to travel to the Hub had the highest volume between 7:00 AM to 9:00 AM and had a narrow peak while the highest traffic in the afternoon was spread out between 3:00 PM to 8:00 PM for outbound direction. (Figure 16 and Table 23A, Appendix II)

FIGURE 16
**PRIVATE VEHICLES ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY, IN 2019**
BY HOUR

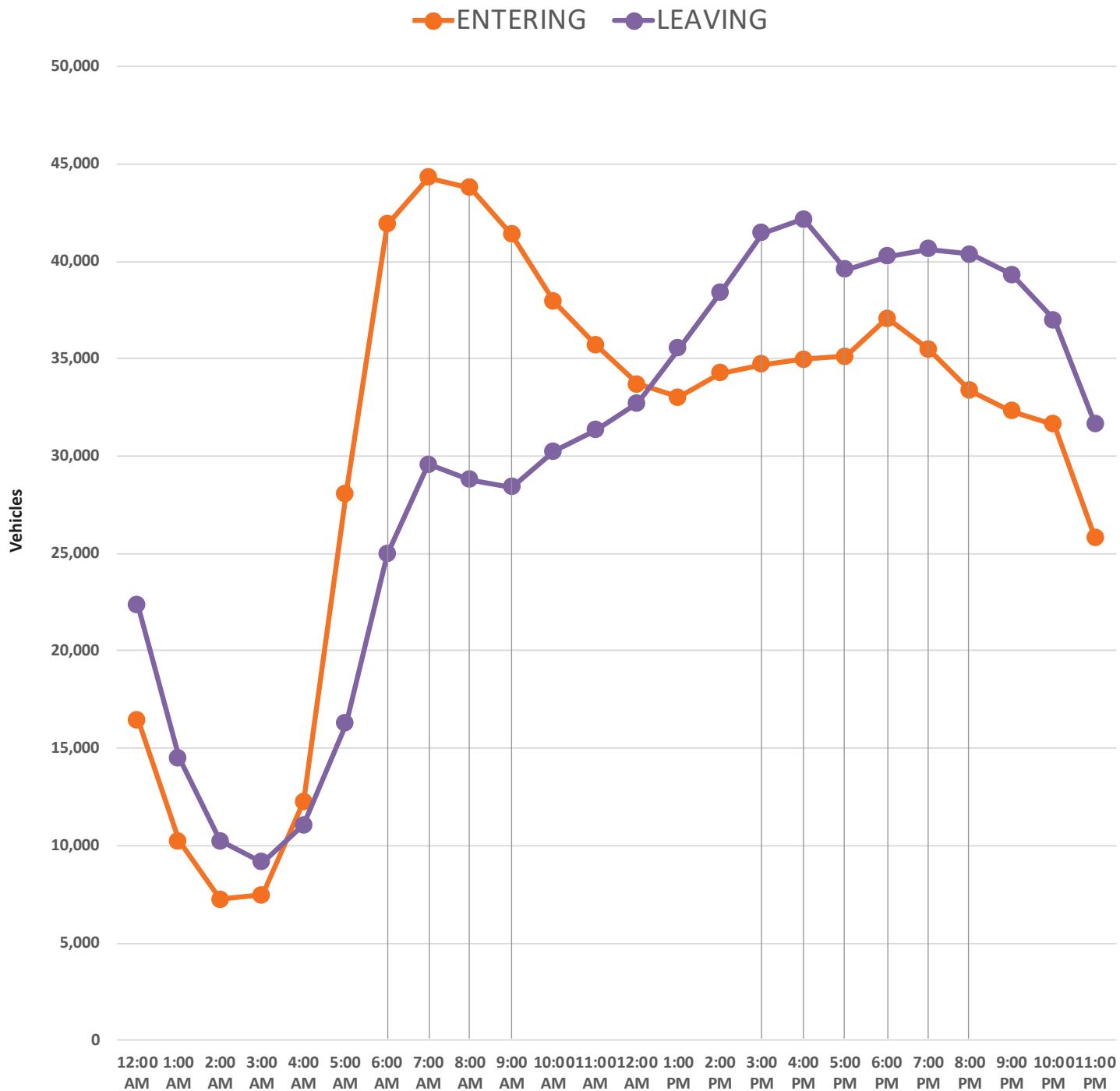


FIGURE 17
TOTAL BUSES AND PRIVATE VEHICLES
ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY, IN 2019
BY SECTOR



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Appendix I

Time Series Tables - 2019

Note: Some data for 1999 were lost on 9/11/01

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TABLE 1A
PERSONS AND VEHICLES ENTERING THE HUB ON A FALL BUSINESS DAY
BY MODE AND BY SECTOR FOR SELECTED YEARS (in thousands)

	1981	1982	1985	1986	1988	1990	1992	1993	1994									
PERSONS BY MODE																		
AUTO, TAXI, VAN & TRUCK	970	32%	1,069	33%	1,167	35%	1,137	34%	1,156	33%	1,112	33%	1,146	34%	1,124	34%	1,115	33%
BUS	243	8%	275	9%	297	9%	267	8%	242	7%	238	7%	225	7%	219	7%	220	6%
SUBWAY	1,614	53%	1,632	50%	1,641	49%	1,727	51%	1,798	52%	1,698	51%	1,699	51%	1,712	51%	1,765	52%
RAILROAD	218	7%	214	7%	219	7%	224	7%	234	7%	228	7%	223	7%	226	7%	233	7%
PASSENGER FERRY	25	1%	39	1%	34	1%	34	1%	41	1%	44	1%	41	1%	42	1%	42	1%
TRAM	4	0%	4	0%	4	-	3	0%	4	0%	2	0%	1	0%	7	0%	2	0%
TOTAL	3,074	-	3,233	-	3,362	-	3,392	-	3,475	-	3,322	-	3,335	-	3,330	-	3,382	-
PERSONS BY SECTOR																		
NORTH OF 60TH STREET	1,217	40%	1,302	40%	1,337	40%	1,338	39%	1,405	40%	1,299	39%	1,352	41%	1,341	40%	1,359	40%
BROOKLYN	831	27%	858	27%	903	27%	915	27%	924	27%	903	27%	871	26%	875	26%	868	26%
QUEENS	654	21%	654	20%	683	20%	695	20%	700	20%	670	20%	677	20%	675	20%	696	21%
NEW JERSEY	342	11%	374	12%	401	12%	406	12%	403	12%	411	12%	402	12%	408	12%	427	13%
STATEN ISLAND	26	1%	41	1%	34	1%	35	1%	39	1%	37	1%	33	1%	32	1%	30	1%
ROOSEVELT ISLAND	4	0%	4	0%	4	0%	3	0%	4	0%	2	0%	1	0%	-	-	2	0%
TOTAL	3,074	-	3,233	-	3,362	-	3,392	-	3,475	-	3,322	-	3,336	-	3,330	-	3,382	-
MOTOR VEHICLES BY SECTOR (AUTOS, TAXIS, VANS, TRUCKS)																		
NORTH OF 60TH STREET	320	47%	341	49%	363	47%	352	47%	361	47%	349	46%	382	49%	370	49%	358	47%
BROOKLYN	165	24%	166	24%	199	26%	192	25%	188	25%	206	27%	185	24%	182	24%	185	25%
QUEENS	105	15%	99	14%	110	14%	111	15%	117	15%	104	14%	108	14%	107	14%	107	14%
NEW JERSEY	88	13%	94	13%	97	13%	97	13%	99	13%	101	13%	101	13%	102	13%	104	14%
STATEN ISLAND	1	0%	1	0%	1	0%	1	0%	1	0%	1	0%	-	-	-	-	0	0%
TOTAL	679	-	701	-	770	-	753	-	766	-	761	-	776	-	760	-	755	-

TABLE 1A (continued)
PERSONS AND VEHICLES ENTERING THE HUB ON A FALL BUSINESS DAY
BY MODE AND BY SECTOR FOR SELECTED YEARS (in thousands)

	1995		1996		1997		1998		1999		2000		2001		2002		2003	
PERSONS BY MODE																		
AUTO, TAXI, VAN & TRUCK	1,138	33%	1,147	33%	1,233	35%	1,316	36%	1,302	35%	1,268	34%	998	29%	1,136	31%	1,179	33%
BUS	216	6%	220	6%	238	7%	231	6%	237	6%	228	6%	257	7%	260	7%	261	7%
SUBWAY	1,770	52%	1,790	52%	1,772	50%	1,817	49%	1,905	51%	1,989	51%	1,891	54%	1,878	51%	1,821	50%
RAILROAD	236	7%	246	7%	251	7%	254	7%	274	7%	301	8%	288	8%	307	8%	288	8%
PASSENGER FERRY	42	1%	41	1%	43	1%	43	1%	57	2%	46	1%	30	1%	67	2%	62	2%
TRAM	2	0%	2	0%	1	0%	1	0%	1	0%	1	0%	1	0%	1	0%	1	0%
BICYCLE	(1)		(1)		8	0%	8	0%	14	0%	6	0%	6	0%	7	0%	9	0%
TOTAL	3,410	-	3,454	-	3,546	-	3,670	-	3,790	-	3,839	-	3,471	-	3,657	-	3,621	-
PERSONS BY SECTOR																		
NORTH OF 60TH STREET	1,385	41%	1,376	40%	1,376	39%	1,419	39%	1,494	39%	1,484	40%	1,346	39%	1,395	38%	1,399	39%
BROOKLYN	865	26%	883	26%	964	28%	991	27%	991	26%	1,040	27%	927	27%	987	27%	977	27%
QUEENS	702	21%	705	21%	712	20%	764	21%	784	21%	787	21%	772	22%	765	21%	740	20%
NEW JERSEY	425	13%	437	13%	460	13%	463	13%	481	13%	497	14%	424	12%	476	13%	473	13%
STATEN ISLAND	30	1%	30	1%	31	1%	31	1%	39	1%	30	1%	0	0%	33	1%	30	1%
ROOSEVELT ISLAND	2	0%	2	0%	1	0%	1	0%	1	0%	1	0%	1	0%	1	0%	1	0%
TOTAL	3,410	-	3,433	-	3,544	-	3,669	-	3,790	-	3,839	-	3,471	-	3,657	-	3,621	-
MOTOR VEHICLES BY SECTOR (AUTOS, TAXIS, VANS, TRUCKS)																		
NORTH OF 60TH STREET	361	48%	375	48%	377	47%	389	47%	393	47%	387	47%	369	54%	377	48%	383	47%
BROOKLYN	189	25%	182	23%	199	25%	206	25%	203	24%	201	24%	133	19%	178	23%	185	23%
QUEENS	117	16%	119	15%	131	16%	138	17%	135	16%	131	16%	127	18%	133	17%	139	17%
NEW JERSEY	104	14%	100	13%	101	12%	102	12%	112	13%	105	13%	60	9%	97	12%	103	13%
STATEN ISLAND	0	0%	0	0%	1	0%	1	0%	1	0%	0	0%	0	0%	0	0%	0	0%
TOTAL	772	-	776	-	809	-	836	-	844	-	825	-	689	-	785	-	810	-

(1) Data not available for the years before 1997

Percentages may not total to 100 due to rounding

TABLE 1A (continued)
PERSONS AND VEHICLES ENTERING THE HUB ON A FALL BUSINESS DAY
BY MODE AND BY SECTOR FOR SELECTED YEARS (in thousands)

	2004		2005		2006		2007		2008		2009		2010		2011		2012	
PERSONS BY MODE																		
AUTO, TAXI, VAN & TRUCK	1,172	32%	1,016	28%	1,009	28%	993	27%	939	25%	951	26%	974	26%	951	26%	940	25%
BUS	286	8%	280	8%	284	8%	291	8%	284	7%	274	8%	269	7%	263	7%	268	7%
SUBWAY	1,887	51%	1,926	54%	1,944	54%	2,085	56%	2,195	58%	1,994	55%	2,066	56%	2,067	56%	2,166	58%
RAILROAD	274	7%	284	8%	299	8%	305	8%	310	8%	300	8%	300	8%	302	8%	303	8%
PASSENGER FERRY	53	1%	52	1%	49	1%	49	1%	53	1%	54	2%	55	1%	50	1%	52	1%
TRAM	2	0%	2	0%	3	0%	3	0%	3	0%	3	0%	0	0%	3	0%	3	0%
BICYCLE	9	0%	9	0%	12	0%	15	0%	15	0%	21	1%	24	1%	25	1%	22	1%
TOTAL	3,682	-	3,569	-	3,600	-	3,740	-	3,799	-	3,597	-	3,688	-	3,662	-	3,755	
PERSONS BY SECTOR																		
NORTH OF 60TH STREET	1,386	38%	1,405	39%	1,401	39%	1,406	38%	1,465	39%	1,366	38%	1,385	38%	1,390	38%	1,405	37%
BROOKLYN	1,012	27%	901	25%	909	25%	986	26%	989	26%	944	26%	981	27%	964	26%	1,011	27%
QUEENS	752	20%	735	21%	742	21%	779	21%	778	20%	737	20%	748	20%	757	21%	780	21%
NEW JERSEY	499	14%	493	14%	515	14%	536	14%	528	14%	515	14%	537	15%	518	14%	521	14%
STATEN ISLAND	32	1%	33	1%	30	1%	30	1%	35	1%	36	1%	37	1%	30	1%	36	1%
ROOSEVELT ISLAND	2	0%	2	0%	3	0%	3	0%	3	0%	-	-	-	-	3	0%	3	0%
TOTAL	3,682	-	3,569	-	3,600	-	3,740	-	3,799	-	3,597	-	3,688	-	3,662	-	3,755	
MOTOR VEHICLES BY SECTOR (AUTOS, TAXIS, VANS, TRUCKS)																		
NORTH OF 60TH STREET	384	47%	377	47%	364	46%	353	45%	339	46%	343	46%	349	46%	347	46%	331	45%
BROOKLYN	195	24%	187	23%	186	23%	192	25%	176	24%	182	24%	186	24%	174	23%	178	24%
QUEENS	133	16%	133	17%	141	18%	136	17%	131	18%	137	18%	134	17%	138	18%	140	19%
NEW JERSEY	102	13%	101	13%	103	13%	102	13%	94	13%	87	12%	98	13%	89	12%	90	12%
STATEN ISLAND	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
TOTAL	815	-	798	-	794	-	783	-	739	-	750	-	767	-	748	-	740	

Percentages may not total to 100 due to rounding

TABLE 1A (continued)
PERSONS AND VEHICLES ENTERING THE HUB ON A FALL BUSINESS DAY
BY MODE AND BY SECTOR FOR SELECTED YEARS (in thousands)

	2013		2014		2015		2016		2017		2018		2019	
PERSONS BY MODE														
AUTO, TAXI, VAN & TRUCK	934	24%	913	24%	918	23%	897	23%	882	23%	878	23%	910	24%
BUS	268	7%	263	7%	279	7%	279	7%	282	7%	280	7%	276	7%
SUBWAY	2,223	58%	2,252	59%	2,318	59%	2,299	59%	2,287	59%	2,242	58%	2,228	58%
RAILROAD	310	8%	318	8%	328	8%	339	9%	336	9%	338	9%	344	9%
PASSENGER FERRY	49	1%	44	1%	54	1%	60	2%	62	2%	67	2%	61	2%
TRAM	4	0%	3	0%	4	0%	5	0%	3	0%	4	0%	4	0%
BICYCLE	29	1%	28	1%	29	1%	32	1%	34	1%	34	1%	33	1%
TOTAL	3,816		3,821		3,931		3,910		3,886		3,842		3,856	
PERSONS BY SECTOR														
NORTH OF 60TH STREET	1,432	38%	1,433	37%	1,430	36%	1,419	36%	1,407	36%	1,375	36%	1,375	36%
BROOKLYN	1,043	27%	1,059	28%	1,075	27%	1,080	28%	1,073	28%	1,054	27%	1,076	28%
QUEENS	780	20%	777	20%	817	21%	785	20%	775	20%	779	20%	777	20%
NEW JERSEY	524	14%	521	14%	568	14%	581	15%	591	15%	587	15%	590	15%
STATEN ISLAND	34	1%	29	1%	37	1%	41	1%	37	1%	42	1%	35	1%
ROOSEVELT ISLAND	4	0%	3	0%	4	0%	5	0%	3	0%	4	0%	4	0%
TOTAL	3,816		3,821		3,931		3,910		3,886		3,842		3,856	
MOTOR VEHICLES BY SECTOR (AUTOS, TAXIS, VANS, TRUCKS)														
NORTH OF 60TH STREET	329	45%	323	45%	318	44%	314	44%	301	43%	301	43%	291	40%
BROOKLYN	184	25%	179	25%	176	24%	180	25%	185	26%	182	26%	216	30%
QUEENS	132	18%	130	18%	139	19%	126	18%	123	18%	127	18%	131	18%
NEW JERSEY	90	12%	87	12%	91	13%	88	12%	89	13%	89	13%	89	12%
STATEN ISLAND	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
TOTAL	736		719		724		709		698		699		728	

Percentages may not total to 100 due to rounding

TABLE 1B
PERSONS ENTERING THE HUB ON A FALL BUSINESS DAY
BY MODE DURING 7AM - 10AM PERIOD FOR SELECTED YEARS (in thousands)

YEAR / MODE	1993		1994		1995		1996		1997		1998		2000		2001		2002		2003		
-	AUTO, TAXI, VAN & TRUCK	216	16%	218	16%	219	16%	228	16%	252	18%	263	18%	259	17%	179	13%	220	16%	239	17%
	BUS	121	9%	121	9%	119	9%	122	9%	117	8%	120	8%	131	9%	132	10%	138	10%	140	10%
	SUBWAY	859	62%	866	62%	855	62%	858	61%	845	60%	839	59%	958	63%	851	62%	813	58%	787	57%
	RAILROAD	159	12%	165	12%	165	12%	169	12%	171	12%	193	13%	154	10%	183	13%	196	14%	184	13%
	PASSENGER FERRY	25	2%	24	2%	24	2%	24	2%	25	2%	15	1%	23	2%	21	2%	39	3%	36	3%
	TRAMWAY	-	0%	1	0%	1	0%	0	0%	1	0%	1	0%	1	0%	0	0%	0	0%	1	0%
	BICYCLE					2	0%	2	0%	1	0%	2	0%	1	0%	1	0%	2	0%	2	0%
TOTAL		1,381	-	1,396	-	1,385	-	1,403	-	1,412	-	1,433	-	1,536	-	1,368	-	1,408	-	1,388	-
YEAR / MODE	2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		
-	AUTO, TAXI, VAN & TRUCK	228	17%	193	14%	193	15%	186	13%	180	12%	180	14%	186	14%	181	13%	139	10%	173	12%
	BUS	136	10%	132	10%	135	10%	139	10%	134	9%	128	10%	124	9%	124	9%	130	10%	133	9%
	SUBWAY	804	59%	809	60%	785	59%	918	63%	915	63%	804	61%	832	61%	847	62%	877	64%	900	63%
	RAILROAD	172	13%	180	13%	184	14%	188	13%	187	13%	182	14%	179	13%	183	13%	182	13%	185	13%
	PASSENGER FERRY	29	2%	28	2%	28	2%	24	2%	27	2%	27	2%	27	2%	26	2%	25	2%	22	2%
	TRAMWAY	1	0%	1	0%	1	0%	1	0%	1	0%	1	0%	0	0%	1	0%	1	0%	1	0%
	BICYCLE	2	0%	2	0%	2	0%	3	0%	4	0%	5	0%	5	0%	6	0%	6	0%	8	1%
TOTAL		1,372	-	1,346	-	1,328	-	1,460	-	1,448	-	1,327	-	1,353	-	1,368	-	1,361	-	1,422	-
YEAR / MODE	2014		2015		2016		2017		2018		2019										
-	AUTO, TAXI, VAN & TRUCK	167	12%	168	12%	160	11%	156	11%	153	11%	161	11%								
	BUS	126	9%	131	9%	129	9%	127	9%	125	9%	122	8%								
	SUBWAY	910	64%	922	63%	921	64%	913	64%	902	64%	923	64%								
	RAILROAD	190	13%	197	14%	203	14%	198	14%	200	14%	201	14%								
	PASSENGER FERRY	23	2%	26	2%	25	2%	29	2%	30	2%	27	2%								
	TRAMWAY	1	0%	1	0%	2	0%	1	0%	1	0%	1	0%								
	BICYCLE	8	1%	8	1%	9	1%	9	1%	9	1%	9	1%								
TOTAL		1,426	-	1,452	-	1,448	-	1,434	-	1,421	-	1,444	-								

Percentages may not total to 100 due to rounding

TABLE 2
SHARE OF PEOPLE ENTERING THE HUB
IN PEAK HOUR (8-9 AM) AND PEAK PERIOD (7-10 AM) TO TOTAL
BY MODE (as a percentage*)

YEAR	AUTO, TAXI, VAN, TRUCK		PUBLIC TRANSPORTATION		TOTAL SHARE	
	8-9 AM	7-10 AM	8-9 AM	7-10 AM	8-9 AM	7-10 AM
1980	9%	23%	32%	60%	25%	49%
1990	7%	20%	26%	54%	19%	43%
1991	7%	20%	26%	54%	20%	43%
1992	7%	20%	25%	54%	19%	42%
1993	7%	19%	25%	53%	19%	42%
1994	7%	20%	24%	52%	18%	41%
1995	7%	19%	24%	51%	18%	41%
1996	7%	20%	24%	51%	18%	41%
1997	7%	20%	23%	50%	18%	39%
1998	7%	20%	23%	49%	17%	39%
2000	7%	20%	22%	49%	17%	40%
2001	6%	18%	22%	48%	17%	39%
2002	7%	19%	21%	47%	17%	38%
2003	7%	20%	21%	47%	17%	38%
2004	7%	19%	21%	46%	16%	37%
2005	7%	19%	20%	45%	16%	38%
2006	7%	19%	19%	44%	16%	37%
2007	6%	19%	21%	46%	17%	38%
2008	7%	19%	20%	44%	17%	38%
2009	7%	19%	20%	44%	16%	37%
2010	7%	20%	19%	43%	16%	37%
2011	7%	19%	20%	44%	16%	37%
2012	6%	19%	19%	44%	16%	37%
2013	6%	19%	20%	43%	16%	37%
2014	6%	18%	19%	43%	16%	37%
2015	6%	18%	19%	43%	16%	37%
2016	6%	18%	19%	43%	16%	37%
2017	6%	18%	19%	43%	16%	37%
2018	6%	18%	19%	43%	16%	37%
2019	6%	18%	19%	44%	16%	38%

* Percentages express the peak-period share of private motor vehicle and public transportation to total of 24-hour period person entries, respectively.
Note: Data for 1999 were lost following the events of 9/11/01

TABLE 3
TOTAL PERSONS ENTERING THE HUB DURING
MORNING PEAK HOUR (8-9 AM), MORNING PEAK PERIOD (7-10 AM)
AND CBD EMPLOYMENT

YEAR	24 HOURS	PEAK PERIOD 7-10 AM	PEAK HOUR 8-9 AM	CBD EMPLOYMENT
1980	3,013,000	1,467,300	739,200	1,777,000
1990	3,321,700	1,418,200	642,800	1,967,000
1991	3,331,600	1,420,300	652,700	1,858,000
1992	3,336,000	1,404,000	629,400	1,810,000
1993	3,330,000	1,380,800	622,000	1,805,000
1994	3,382,500	1,396,200	619,800	1,821,000
1995	3,410,200	1,384,100	616,500	1,828,000
1996	3,455,700	1,403,800	629,600	1,850,000
1997	3,545,460	1,412,700	638,100	1,879,600
1998	3,670,000	1,415,000	630,900	1,940,000
1999	3,790,000	N/A	N/A	2,005,000
2000	3,840,000	1,524,000	661,680	2,152,000
2001	3,471,000	1,367,200	593,500	2,128,000
2002	3,658,919	1,461,540	633,000	1,971,000
2003	3,620,813	1,384,803	602,987	2,010,000
2004	3,682,207	1,372,142	598,138	2,064,000
2005	3,568,742	1,345,676	574,161	2,217,000
2006	3,599,747	1,326,241	569,355	2,241,000
2007	3,739,966	1,459,848	639,984	2,265,000
2008	3,798,984	1,445,679	633,704	2,288,477
2009	3,598,327	1,327,128	575,127	2,275,090
2010	3,688,432	1,352,456	580,733	2,259,803
2011	3,661,557	1,367,959	593,517	1,898,000
2012	3,754,511	1,397,355	600,132	1,910,000
2013	3,816,493	1,422,360	622,269	1,943,000
2014	3,821,297	1,426,496	611,738	1,943,000
2015	3,930,753	1,451,984	625,817	1,954,000
2016	3,909,998	1,448,039	625,878	1,970,000
2017	3,885,608	1,433,954	615,885	1,969,000
2018	3,841,968	1,420,851	614,967	1,968,000
2019	3,855,708	1,443,555	619,503	1,934,000

Note: Beginning of 2011 Employment data estimate methodology was changed, therefore data thereafter may not be comparable with previous years.
- N/A Data for 1999 were lost following the events of 9/11/01

TABLE 4
CUMULATIVE NUMBER OF PERSONS AND MOTOR VEHICLES
IN THE HUB ON A FALL BUSINESS DAY

YEAR	PERSONS				MOTOR VEHICLES			
	MAXIMUM TRAVELER ACCUM.	CBD RESIDENTS*	MAXIMUM CBD ACCUM.	TIME OF MAXIMUM ACCUM.	MAXIMUM TRAVELER ACCUM.	CBD BASED VEHICLES	MAXIMUM CBD ACCUM.	TIME OF MAXIMUM ACCUM.
1990	1,318,000	528,000	1,846,000	01:00 PM	101,800	90,100	191,900	1:00pm
1991	1,325,000	530,000	1,855,000	01:00 PM	102,300	88,400	190,700	1:00pm
1992	1,262,000	529,000	1,791,000	01:00 PM	96,300	84,600	180,900	1:00pm
1993	1,250,000	530,900	1,780,900	01:00 PM	94,100	85,800	179,900	2:00pm
1994	1,273,000	535,000	1,808,000	01:00 PM	97,100	86,100	183,200	2:00pm
1995	1,277,000	539,000	1,816,000	01:00 PM	94,100	86,100	180,200	2:00pm
1996	1,295,000	544,000	1,839,000	01:00 PM	94,000	85,900	179,900	1:00pm
1997	1,303,000	547,000	1,850,000	01:00 PM	101,000	89,000	190,000	2:00pm
1998	1,296,000	551,000	1,847,000	01:00 PM	104,000	95,100	199,100	2:00pm
2000	1,464,000	552,000	2,015,846	01:00 PM	103,367	91,080	194,447	2:00pm
2001	1,254,000	540,000	2,016,000	01:00 PM	67,093	91,080	156,228	2:00pm
2002	1,253,800	567,000	1,805,800	01:00 PM	60,181	91,080	151,261	2:00pm
2003	1,273,519	573,000	1,821,360	01:00 PM	86,909	91,740	178,649	2:00pm
2004	1,228,259	583,000	1,783,259	02:00 PM	91,551	91,575	183,126	1:00pm
2005	1,197,459	590,000	1,172,459	02:00 PM	85,119	97,350	182,469	1:00pm
2006	1,244,863	590,000	1,834,863	02:00 PM	89,847	97,350	187,197	1:00pm
2007	1,325,609	597,000	1,922,609	01:00 PM	88,623	98,505	187,128	1:00pm
2008	1,334,179	616,883	1,951,062	01:00 PM	79,198	101,786	180,984	1:00pm
2009	1,209,458	621,000	1,830,458	02:00 PM	78,305	102,465	180,770	1:00pm
2010	1,231,071	619,228	1,850,292	02:00 PM	78,173	75,637	153,810	1:00pm
2011	1,230,220	591,000	1,821,220	02:00 PM	79,651	71,107	150,758	1:00pm
2012	1,316,844	597,000	1,913,844	02:00 PM	81,359	71,166	152,525	1:00pm
2013	1,342,153	598,000	1,940,153	02:00 PM	79,753	70,980	150,733	1:00pm
2014	1,365,561	600,000	1,965,561	02:00 PM	75,896	71,043	146,939	1:00pm
2015	1,392,132	603,000	1,995,132	02:00 PM	78,750	71,059	149,809	1:00pm
2016	1,381,111	620,000	2,001,111	02:00 PM	72,867	73,061	145,929	1:00pm
2017	1,378,724	623,000	2,001,724	02:00 PM	73,203	72,493	145,696	1:00pm
2018	1,378,366	627,000	2,005,366	02:00 PM	67,725	74,559	142,283	1:00pm
2019	1,382,597	622,000	2,004,597	02:00 PM	80,998	73,978	154,976	1:00pm

Note: Beginning of 2011 Employment data estimate methodology was changed, therefore data thereafter may not be comparable with previous years.

- N/A Data for 1999 were lost following the events of 9/11/01

TABLE 5
TOTAL PUBLIC TRANSIT PASSENGERS AND BICYCLISTS
ENTERING AND LEAVING THE HUB
ON A FALL BUSINESS DAY, 2011-2019

	2011	2012	2013	2014	2015	2016	2017	2018	2019
BUS PASSENGERS									
60TH STREET SECTOR									
FDR DRIVE	-	-	-	-	-	-	-	-	-
YORK AVENUE	4,292	4,614	4,184	3,766	4,055	3,792	2,702	2,424	2,630
FIRST AVE/SECOND AVE	22,739	22,435	20,203	18,747	15,818	14,999	16,161	15,806	17,187
LEXINGTON AVE/THIRD AVE	13,519	11,940	11,588	10,241	9,730	8,955	8,179	10,201	10,610
MADISON AVE/FIFTH AVE	29,870	30,246	27,693	26,515	21,727	23,164	21,651	20,929	23,544
CENTRAL PK WEST	791	1,154	874	805	754	804	613	493	433
EIGHTH AVENUE	-	-	-	-	-	-	-	-	-
BROADWAY	7,273	9,715	9,952	8,478	6,999	7,350	6,082	5,692	6,054
COLUMBUS AVE/AMSTERDAM AVE	3,350	3,520	3,108	2,943	2,585	2,744	2,547	2,494	2,949
WEST END AVENUE	1,845	2,067	2,029	2,064	1,809	1,823	1,830	1,890	2,134
SECTOR TOTAL	83,679	85,691	79,631	73,559	63,477	63,631	59,765	59,929	65,541
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	(1)	(1)	398	359	335	306	329	337	318
MANHATTAN BRIDGE	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
HUGH L. CAREY TUNNEL	42,088	41,663	43,256	42,136	40,239	40,590	42,241	38,264	36,111
SECTOR TOTAL	42,088	41,663	43,654	42,495	40,574	40,896	42,570	38,601	36,429
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	12,250	11,942	13,486	11,171	11,142	10,236	11,187	10,796	10,529
ED KOCH QUEENSBORO BRIDGE	11,980	11,624	10,932	11,224	9,472	9,870	9,353	10,800	10,741
SECTOR TOTAL	24,230	23,566	24,418	22,395	20,614	20,106	20,540	21,596	21,270
NEW JERSEY SECTOR									
HOLLAND TUNNEL	31,858	31,942	29,204	28,325	29,243	30,737	28,257	25,581	21,901
LINCOLN TUNNEL	345,852	341,539	355,120	360,978	426,931	400,370	406,250	399,391	387,166
SECTOR TOTAL	377,710	373,481	384,324	389,303	456,174	431,107	434,507	424,972	409,067
TOTAL BUS PASSENGERS	527,707	524,401	532,027	527,752	580,839	555,740	557,382	545,098	532,307

(1) - The B51 serving the Manhattan Bridge and B39 serving the Williamsburg Bridge were discontinued in June 2010

TABLE 5 (continued)
TOTAL PUBLIC TRANSIT PASSENGERS AND BICYCLISTS
ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY, 2011-2019

	2011	2012	2013	2014	2015	2016	2017	2018	2019
SUBWAY PASSENGERS									
60TH STREET SECTOR									
SECOND AVENUE LOCAL	(1)	(1)	(1)	(1)	(1)	(1)	149,277	152,728	152,027
LEXINGTON AVENUE EXPRESS	332,854	350,863	362,135	372,522	363,116	386,250	330,963	318,049	316,231
LEXINGTON AVENUE LOCAL	333,752	340,920	346,656	341,376	327,790	307,982	247,372	233,504	240,531
EIGHTH AVENUE EXPRESS	246,977	268,129	278,292	286,126	299,008	274,781	300,544	287,321	283,787
EIGHTH AVENUE LOCAL	118,802	123,777	128,046	132,713	144,149	144,082	141,307	113,955	136,281
BROADWAY/7TH AVE EXPRESS	266,070	281,075	293,363	295,947	311,191	320,456	302,063	274,527	291,697
BROADWAY/7TH AVE LOCAL	219,082	224,899	235,546	239,350	235,108	223,675	214,038	240,356	226,567
SECTOR TOTAL	1,517,537	1,589,663	1,644,038	1,668,034	1,680,362	1,657,226	1,685,564	1,620,440	1,647,121
BROOKLYN SECTOR									
14TH STREET TUNNEL	199,221	217,993	224,172	234,538	258,485	248,094	304,551	256,472	246,791
WILLIAMSBURG BRIDGE	119,384	124,980	132,233	138,808	160,790	165,077	122,004	145,506	148,986
RUTGERS TUNNEL	131,136	139,459	146,056	154,590	157,575	154,766	122,820	143,512	132,948
MANHATTAN BRIDGE	361,151	382,856	423,470	391,249	437,764	419,024	439,103	439,896	406,397
CRANBERRY ST. TUNNEL	229,748	243,259	253,840	269,635	252,724	251,898	239,232	258,881	249,039
CLARK ST. TUNNEL	143,536	146,585	159,668	149,865	147,180	151,529	144,782	131,054	142,671
MONTAGUE ST. TUNNEL	63,531	65,440	(2)	63,660	56,863	61,386	61,642	59,960	51,434
JORALEMON ST. TUNNEL	182,647	190,859	215,002	194,120	169,645	187,043	178,793	162,733	167,197
SECTOR TOTAL	1,430,354	1,511,431	1,554,441	1,596,465	1,641,026	1,638,817	1,612,927	1,598,014	1,545,463
QUEENS SECTOR									
60TH STREET TUNNEL	269,524	277,751	280,490	282,481	283,573	292,407	268,370	250,506	224,151
53RD STREET TUNNEL	276,546	291,506	296,450	293,904	290,750	261,254	298,886	316,289	290,643
STEINWAY ST. TUNNEL	201,130	209,062	217,307	218,246	251,677	253,508	250,218	213,140	259,095
63RD STREET TUNNEL	169,055	172,102	173,726	173,005	184,759	180,682	140,057	170,538	158,364
SECTOR TOTAL	916,255	950,421	967,973	967,636	1,010,759	987,851	957,531	950,473	932,253

(1) - Second Avenue subway on the Upper East Side (the first phase of the new subway line) officially opened to the public on Jan. 1, 2017

(2) - Location was not surveyed due to Montague St. Tunnel closure

TABLE 5 (continued)
TOTAL PUBLIC TRANSIT PASSENGERS AND BICYCLISTS
ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY, 2011-2019

	2011	2012	2013	2014	2015	2016	2017	2018	2019
SUBWAY PASSENGERS									
NEW JERSEY SECTOR									
PATH DOWNTOWN	105,804	108,402	104,578	98,179	109,785	122,884	132,208	139,153	137,082
PATH UPTOWN	123,861	122,821	126,941	124,721	135,752	130,859	137,426	130,792	136,365
SECTOR TOTAL	229,665	231,223	231,519	222,900	245,537	253,743	269,634	269,945	273,447
TOTAL SUBWAY PASSENGERS	4,093,811	4,282,738	4,397,971	4,455,035	4,577,684	4,537,637	4,525,656	4,438,872	4,398,284
SUBURBAN RAIL PASSENGERS									
AMTRAK & MTA METRO-NORTH RR	210,491	212,203	212,920	215,376	221,466	222,545	226,389	228,682	226,296
AMTRAK & MTA LIRR	226,093	227,522	230,974	235,797	238,956	242,343	242,853	243,485	246,843
AMTRAK & NJ TRANSIT	158,287	164,098	172,646	181,752	194,377	200,805	197,399	196,740	212,191
TOTAL RAIL PASSENGERS	594,871	603,823	616,540	632,925	654,799	665,693	666,641	668,907	685,330
FERRY PASSENGERS									
MANHATTAN & UPSTATE	-	-	-	-	-	-	-	-	-
BROOKLYN	1,670	1,904	313	147	468	1,538	3,891	3,290	5,203
QUEENS	109	704	702	-	948	1,261	6,850	6,580	8,327
STATEN ISLAND	64,029 (1)	72,705 (1)	67,299 (1)	58,511 (1)	72,456 (1)	84,116 (1)	79,159 (1)	83,709 (1)	68,175 (1)
NEW JERSEY	36,008	30,279	29,239	29,069	34,887	35,836	35,901	36,340	36,820
TOTAL FERRY PASSENGRS	101,816	105,592	97,553	87,727	108,759	122,751	125,801	129,919	118,525
ROOSEVELT ISLAND TRAMWAY	6,174	6,759	7,080	5,561	7,680	9,205	5,516	7,326	7,820
TOTAL PUBLIC TRANSIT PASSENGERS (3)	5,324,379	5,523,313	5,651,171	5,709,000	5,929,761	5,891,026	5,880,996	5,790,122	5,742,266
BICYCLE	49,470 (4)	43,608 (4)	56,787 (4)	55,360 (4)	58,448 (4)	64,078 (4)	67,286 (4)	67,160 (4)	65,588 (4)

(1) - Excludes number of bicyclists on Ferry

(2) - Data for Roosevelt Island Tramway not available due to closure of the aerial tramway for modernization in 2010

'(3) - Total includes sum of Tables 5 (page I-9 to page I-11) passengers

(4) - Total for all sectors, including Staten Island Ferry bicyclists

TABLE 6
TOTAL RAIL TRAINS ENTERING AND LEAVING THE HUB
ON A FALL BUSINESS DAY (2016-2019)

SECTOR AND FACILITY	2016			2017			2018			2019		
	AM	PM	OFF *									
	PEAK	PEAK	(18 hrs)									
60TH STREET SECTOR												
SECOND AVE LOCAL (1)	-	-	-	24	22	287	22	19	254	24	27	223
LEXINGTON AVE EXPRESS	67	63	478	61	57	525	52	61	430	65	66	473
LEXINGTON AVE LOCAL	54	46	439	44	45	450	35	41	417	50	47	451
EIGHTH AVE EXPRESS	46	46	472	49	47	467	49	45	484	49	46	467
EIGHTH AVE LOCAL	34	36	347	38	36	345	37	32	309	36	37	321
B'WAY/7TH AV EXPRESS	56	52	476	58	51	419	56	54	385	57	55	472
B'WAY/7TH AV LOCAL	42	40	387	41	39	382	42	40	353	43	39	388
AMTRAK/METRO-NORTH	121	108	413	121	108	413	121	108	421	121	108	417
SECTOR TOTAL	420	391	3,012	436	405	3,288	414	400	3,053	445	425	3,212
BROOKLYN SECTOR												
14TH STREET TUNNEL	48	22	390	51	43	410	50	46	373	51	45	327
WILLIAMSBURG BRIDGE	46	44	403	43	40	391	46	46	400	47	43	436
RUTGERS ST. TUNNEL	33	29	310	33	32	306	32	33	315	32	31	301
MANHATTAN BRIDGE	98	93	759	97	96	824	91	82	772	96	93	710
CRANBERRY ST. TUNNEL	51	55	412	59	53	406	57	49	385	54	40	406
CLARK ST. TUNNEL	48	47	479	46	50	420	44	50	370	48	49	476
MONTAGUE ST. TUNNEL	23	24	230	24	26	249	23	28	272	24	25	187
JORALEMON ST. TUNNEL	56	59	477	56	57	526	51	63	450	57	64	474
SECTOR TOTAL	403	373	3,460	409	397	3,532	394	397	3,337	409	390	3,317
QUEENS SECTOR												
60TH STREET TUNNEL	64	65	582	59	63	501	58	62	552	60	63	482
53RD STREET TUNNEL	60	58	500	60	59	467	61	56	477	60	54	489
STEINWAY ST. TUNNEL	67	59	479	67	57	478	57	55	425	72	60	513
63RD STREET TUNNEL	37	37	301	40	37	292	38	38	303	39	36	306
AMTRAK/LIRR TUNNEL	86	80	332	86	80	331	87	80	346	87	80	349
SECTOR TOTAL	314	299	2,194	312	296	2,069	301	291	2,103	318	293	2,139
SUBTOTAL, NYCT	930	875	7,921	950	910	8,145	901	900	7,726	964	920	7,902
NEW JERSEY SECTOR												
PATH DOWNTOWN TUNNEL	67	67	380	67	67	378	67	67	379	70	69	388
PATH UPTOWN TUNNEL	61	55	399	61	55	399	61	55	399	61	56	410
AMTRAK/NJ TRANSIT TUNNELS	62	60	333	62	60	333	59	64	345	59	62	347
SECTOR TOTAL	190	182	1,112	190	182	1,110	187	186	1,123	190	187	1,145
GRAND TOTAL	1,327	1,245	9,778	1,347	1,280	9,999	1,296	1,274	9,616	1,362	1,295	9,813

Notes: Peak period for inbound travel is 7 am to 10 am, and peak period for outbound travel is 4 pm to 7 pm.

(1) - Second Avenue subway on the Upper East Side (the first phase of the new subway line) officially opened to the public on Jan. 1, 2017.

* Off peak is the remainder of the 24 hour day.

TABLE 7
NUMBER OF RAIL CARS ON SUBWAY AND COMMUTER RAIL TRAINS
ENTERING AND LEAVING THE HUB
ON A FALL BUSINESS DAY (2016-2019)

SECTOR AND FACILITY	2016			2017			2018			2019		
	AM PEAK (3 hrs)	PM PEAK (3 hrs)	OFF * PEAK (18 hrs)	AM PEAK (3 hrs)	PM PEAK (3 hrs)	OFF * PEAK (18 hrs)	AM PEAK (3 hrs)	PM PEAK (3 hrs)	OFF * PEAK (18 hrs)	AM PEAK (3 hrs)	PM PEAK (3 hrs)	OFF * PEAK (18 hrs)
	-	-	-	240	220	2,870	220	190	2,540	192	216	1,784
60TH STREET SECTOR												
SECOND AVE LOCAL (1)	-	-	-	240	220	2,870	220	190	2,540	192	216	1,784
LEXINGTON AVE EXPRESS	670	630	4,780	610	570	5,250	520	610	4,300	650	660	4,730
LEXINGTON AVE LOCAL	540	460	4,390	440	450	4,500	350	410	4,170	500	470	4,510
EIGHT AVE EXPRESS	368	368	3,776	392	376	3,736	392	360	3,872	392	368	3,736
EIGHT AVE LOCAL	272	288	2,776	304	288	2,760	296	256	2,472	288	296	2,568
B'WAY/7TH AV EXPRESS	560	520	4,760	580	510	4,190	560	540	3,850	570	550	4,720
B'WAY/7TH AV LOCAL	420	400	3,870	410	390	3,820	420	400	3,530	430	390	3,880
AMTRAK/METRO-NORTH	910	803	3,071	906	803	3,034	902	797	3,059	905	799	2,995
SECTOR TOTAL	3,740	3,469	27,423	3,642	3,387	27,290	3,660	3,563	27,793	3,927	3,749	28,923
BROOKLYN SECTOR												
14TH STREET TUNNEL	384	176	3,120	408	344	3,280	400	368	2,984	408	360	2,616
WILLIAMSBURG BRIDGE	368	352	3,224	344	320	3,128	368	368	3,200	376	344	3,488
RUTGERS ST. TUNNEL	330	290	3,100	330	320	3,060	320	330	3,150	320	310	3,010
MANHATTAN BRIDGE	882	838	6,852	870	868	7,504	816	740	7,018	768	744	5,656
CRANBERRY ST. TUNNEL	408	440	3,296	472	424	3,248	456	392	3,080	432	320	3,248
CLARK ST. TUNNEL	480	470	4,790	460	500	4,200	440	500	3,700	480	490	4,760
MONTAGUE ST. TUNNEL	184	192	1,922	192	208	2,034	184	228	2,278	240	250	1,840
JORALEMON ST. TUNNEL	560	590	4,770	560	570	5,260	510	630	4,500	570	640	4,740
SECTOR TOTAL	3,596	3,348	31,074	3,636	3,554	31,714	3,494	3,556	29,910	3,594	3,458	29,358
QUEENS SECTOR												
60TH STREET TUNNEL	592	600	5,438	548	582	4,622	536	572	5,142	526	552	4,212
53RD STREET TUNNEL	556	538	4,632	552	546	4,368	566	520	4,462	556	498	4,544
STEINWAY ST. TUNNEL	737	649	5,269	737	627	5,258	627	605	4,675	792	660	5,643
63RD STREET TUNNEL	370	370	3,010	400	370	2,920	380	380	3,030	390	360	3,060
AMTRAK/LIRR TUNNEL	864	822	3,401	860	818	3,371	868	815	3,490	868	819	3,526
SECTOR TOTAL	3,119	2,979	21,750	3,097	2,943	20,539	2,977	2,892	20,799	3,132	2,889	20,985
TOTAL, NYCT	8,681	8,171	73,775	8,609	8,263	73,138	8,141	8,209	69,413	8,880	8,478	72,745
NEW JERSEY SECTOR												
PATH DOWNTOWN TUNNEL	536	536	3,040	536	536	3,024	510	510	2,872	534	527	2,945
PATH UPTOWN TUNNEL	427	385	2,793	427	385	2,793	427	385	2,793	427	392	2,870
AMTRAK/NJ TRANSIT TUNNELS	528	517	2,607	529	516	2,618	500	519	2,622	501	514	2,640
SECTOR TOTAL	1,491	1,438	8,440	1,492	1,437	8,435	1,437	1,414	8,287	1,462	1,433	8,455
GRAND TOTAL	11,946	11,234	88,687	11,867	11,321	87,978	11,568	11,425	86,789	12,115	11,529	87,721

(1) - Second Avenue subway on the Upper East Side (the first phase of the new subway line) officially opened to the public on Jan. 1, 2017.

* Off peak is the remainder of the 24 hour day.

Notes: Peak period for inbound travel is 7 am to 10 am, and peak period for outbound travel is 4 pm to 7 pm.

TABLE 8
AVERAGE FLOOR SPACE PER PASSENGER (1)
ENTERING THE HUB ON A FALL BUSINESS DAY,
DURING 8AM-9AM PEAK HOUR (2009-2019)
(in square feet)

MODE / YEAR	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
60TH STREET SECTOR											
SUBWAY-EXPRESS	5.3	4.9	5.7	5.1	4.5	4.4	4.0	3.9	4.3	4.4	4.4
SUBWAY-LOCAL	7.0	6.3	6.3	5.9	4.9	4.9	5.1	5.1	5.2	4.8	5.2
SUBURBAN RAIL	7.3	7.1	7.1	7.3	7.2	7.3	7.2	7.3	7.0	7.0	7.0
BUS	11.3	11.0	9.2	9.5	10.9	11.6	13.0	14.0	15.2	15.5	12.6
SECTOR AVERAGE	6.5	5.9	6.3	6.0	5.3	5.4	5.2	5.2	5.4	5.4	5.4
BROOKLYN SECTOR											
SUBWAY	5.4	5.5	5.7	5.6	5.2	5.3	5.3	5.2	5.4	5.2	5.1
BUS	8.5	7.2	7.8	8.0	8.6	9.3	8.9	9.0	9.5	9.1	9.8
SECTOR AVERAGE	5.5	5.6	5.8	5.7	5.4	5.4	5.4	5.4	5.5	5.3	5.3
QUEENS SECTOR											
SUBWAY	6.0	6.2	5.9	5.9	5.3	5.5	5.1	5.1	5.1	4.9	5.4
SUBURBAN RAIL	6.9	6.9	7.0	7.1	7.0	7.0	6.9	6.9	7.0	7.0	7.0
BUS	10.7	10.6	9.7	9.8	10.7	11.8	12.3	15.7	12.7	14.4	14.3
SECTOR AVERAGE	6.4	6.5	6.3	6.3	6.0	6.1	5.8	5.8	5.8	5.6	6.1
NEW JERSEY SECTOR											
SUBWAY	4.9	4.8	4.9	4.9	4.6	4.7	4.4	4.1	3.8	3.6	3.8
SUBURBAN RAIL	6.9	7.5	6.3	6.2	5.8	5.4	5.6	4.5	5.4	4.9	5.0
BUS	9.2	9.2	9.1	9.1	9.1	9.1	8.2	8.3	8.3	8.2	8.3
SECTOR AVERAGE	7.3	7.3	7.0	7.0	6.8	6.6	6.3	5.8	5.9	5.8	5.8
STATEN ISLAND FERRY	12.7	12.8	14.9	13.7	13.7	14.5	12.7	14.6	12.8	12.6	17.4
ROOSEVELT ISLAND TRAMWAY (2)	4.3	-	4.1	3.0	2.6	3.5	3.1	2.7	6.2	4.1	4.3
ALL TRANSIT MODES	6.4	6.2	6.3	6.2	5.7	5.8	5.7	5.6	5.7	5.6	5.7

(1) - Average floor space per passenger is a measure of passenger level of comfort.

(2) - 2010 data for Roosevelt Island Tramway not available due to closure of the aerial tramway for modernization.

TABLE 9
EXPRESS AND LOCAL BUSES AND BUS PASSENGERS ENTERING THE HUB
ON A FALL BUSINESS DAY (2009-2019)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
BUS PASSENGERS											
EXPRESS BUS											
NEW YORK CITY	43,841	46,857	48,281	46,764	48,062	45,889	43,118	41,745	42,848	40,938	39,737
WEST OF HUDSON	190,548	193,768	187,382	191,074	191,988	192,349	214,609	215,478	219,336	217,485	212,146
NORTH OF NYC	1,038	424	305	257	354	272	252	241	260	291	236
TOTAL EXPRESS BUS	235,427	241,049	235,968	238,095	240,404	238,510	257,979	257,464	262,444	258,714	252,119
LOCAL BUS	38,339	27,614	27,138	29,809	27,832	24,161	20,975	21,229	19,834	21,021	24,107
TOTAL BUS PASSENGERS	273,766	268,663	263,106	267,904	268,236	262,671	278,954	278,693	282,278	279,735	276,226
NUMBER OF BUSES											
EXPRESS BUS											
NEW YORK CITY	1,671	1,678	1,603	1,598	1,659	1,645	1,617	1,597	1,604	1,631	1,648
WEST OF HUDSON	7,687	7,838	7,664	7,654	7,588	7,698	7,728	7,754	7,967	7,868	7,789
NORTH OF NYC	92	34	26	12	12	12	12	11	11	11	10
TOTAL EXPRESS BUS	9,450	9,550	9,293	9,264	9,259	9,355	9,357	9,362	9,582	9,510	9,447
LOCAL BUS	2,389	1,872	1,799	1,783	1,791	1,759	1,728	1,782	1,803	1,749	1,743
TOTAL BUSES	11,839	11,422	11,092	11,047	11,050	11,114	11,085	11,144	11,385	11,259	11,190

Note: In 2009/2010 MTA Bus Company was formed by merging many small private bus operators, resulting in route changes and counts.

TABLE 10
TOTAL PERSONS ENTERING AND LEAVING THE HUB BY AUTO, TAXI, VAN AND TRUCK
ON A FALL BUSINESS DAY (2009-2019)

VEHICLE OCCUPANTS / LOCATION	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
60TH STREET SECTOR											
EAST OF CENTRAL PARK											
FDR DRIVE	191,120	195,320	189,231	196,913	195,423	191,309	187,021	192,664	192,149	201,826	180,015
YORK AVENUE	45,159	45,796	45,235	45,436	44,227	42,477	42,909	30,726	30,448	34,210	33,607
SECOND AND FIRST AVENUES	113,193	104,044	110,739	94,929	101,793	105,217	98,916	88,794	98,573	90,259	85,191
QUEENSBORO BRIDGE RAMP	42,088	43,470	45,194	42,625	40,162	39,033	39,984	42,738	39,821	41,299	41,737
LEXINGTON AND THIRD AVENUES	79,201	76,017	75,792	74,994	68,538	67,055	62,575	63,911	61,795	61,799	57,313
PARK AVENUE	59,752	61,661	63,233	58,884	58,915	56,929	52,978	49,594	48,965	51,764	51,983
FIFTH AND MADISON AVENUES	74,272	79,140	77,917	78,596	71,815	68,590	68,710	69,745	56,484	54,586	53,561
SUBTOTAL	604,785	605,448	607,341	592,377	580,873	570,610	553,093	538,172	528,235	535,743	503,407
CENTRAL PARK DRIVES	13,036	13,302	12,988	12,699	11,438	10,285	11,501	7,971	7,584	(1)	(1)
WEST OF CENTRAL PARK											
EIGHTH AVE./CENTRAL PARK WEST (2)	25,310	27,141	27,717	25,715	25,909	24,641	24,581	22,836	23,186	22,324	20,789
BROADWAY	38,068	42,609	43,877	42,753	41,352	39,691	38,746	35,562	38,454	33,011	33,567
COLUMBUS AND AMSTERDAM AVE.	67,047	65,337	71,203	62,423	62,331	52,454	55,872	52,190	53,383	58,403	51,764
WEST END AVENUE	35,592	34,991	36,227	35,970	34,582	33,035	32,513	29,814	30,479	32,912	30,693
WEST SIDE HIGHWAY	133,185	134,233	127,418	126,406	127,869	130,798	130,334	132,990	130,145	128,221	138,491
SUBTOTAL	299,202	304,311	306,442	293,267	292,043	280,619	282,046	273,392	275,647	274,871	275,304
SECTOR TOTAL	917,023	923,061	926,771	898,343	884,354	861,514	846,640	819,535	811,466	810,613	778,711
BROOKLYN SECTOR											
WILLIAMSBURG BRIDGE	136,911	140,873	131,280	142,822	146,517	141,418	133,361	133,941	133,698	133,007	163,455
MANHATTAN BRIDGE	98,074	101,963	116,178	121,500	118,250	113,982	118,636	115,102	108,897	102,793	94,645
BROOKLYN BRIDGE	157,799	156,005	133,844	126,798	129,723	126,865	129,227	133,399	145,130	150,549	193,433
HUGH L. CAREY TUNNEL	57,879	62,142	57,484	61,069	61,362	61,509	64,050	65,036	63,168	68,007	66,142
SECTOR TOTAL	450,663	460,983	438,786	452,189	455,852	443,774	445,274	447,478	450,893	454,356	517,675
QUEENS SECTOR											
QUEENS MIDTOWN TUNNEL	123,794	126,930	125,129	131,390	127,136	122,316	127,551	108,118	118,366	122,509	128,342
ED KOCH QUEENSBORO BRIDGE (3)	217,752	215,219	221,920	215,734	207,920	211,164	211,117	206,019	204,401	176,123	196,768
SECTOR TOTAL	341,546	342,149	347,049	347,124	335,056	333,480	338,668	314,137	322,767	298,632	325,110
NEW JERSEY SECTOR											
HOLLAND TUNNEL	109,834	117,204	105,854	110,387	105,697	102,579	106,165	104,959	102,949	105,863	108,097
LINCOLN TUNNEL	117,907	137,517	124,271	139,893	133,508	132,058	142,484	134,184	136,876	129,952	126,643
SECTOR TOTAL	227,741	254,721	230,125	250,280	239,205	234,637	248,649	239,143	239,825	235,815	234,740
TOTAL, ALL FACILITIES	1,936,973	1,980,914	1,942,731	1,947,936	1,914,467	1,873,405	1,879,231	1,820,293	1,824,951	1,799,416	1,856,236

(1) Central Park South and 7th Avenue, open only to authorized vehicles and not general traffic.

(2) Beginning in 2007, this report classifies Central Park West with the group "West of Central Park". It has previously been included under Central Park Drives.

(3) In 2018, the Queensboro Bridge volume is noticeably lower than recent years. Please account for this discrepancy for any analysis/reporting in which it is used.

TABLE 11
MOTOR VEHICLES (AUTOS, TAXIS, VANS, & TRUCKS)
ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY (2009-2019)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
EAST OF CENTRAL PARK											
FDR DRIVE	146,660	149,789	145,149	151,111	150,087	146,976	143,495	147,824	147,470	155,529	138,475
YORK AVENUE	35,473	35,883	35,656	35,819	34,276	32,708	32,940	24,429	23,390	26,272	25,891
SECOND AND FIRST AVENUES	85,394	77,900	83,584	72,127	76,723	79,161	74,267	66,341	74,201	68,167	64,149
ED KOCH QUEENSBORO BRIDGE RAMP	34,937	36,093	37,528	35,409	33,357	32,367	33,149	35,408	33,049	34,248	34,588
LEXINGTON AND THIRD AVENUES	59,010	56,808	56,719	56,261	51,562	50,375	47,037	47,866	46,379	46,365	42,675
PARK AVENUE	41,377	42,723	43,697	40,721	40,735	39,370	36,517	34,334	33,927	35,942	36,052
FIFTH AND MADISON AVENUES	49,192	52,390	51,638	52,204	47,542	45,444	45,569	46,251	37,677	36,342	35,592
SUBTOTAL	452,043	451,586	453,971	443,652	434,282	426,401	412,974	402,453	396,093	402,865	377,422
CENTRAL PARK DRIVES	7,301	7,417	7,248	6,946	6,376	5,750	6,399	4,452	4,244	(1)	(1)
WEST OF CENTRAL PARK (2)											
CENTRAL PARK WEST	14,302	15,330	15,660	14,517	14,608	13,915	13,839	12,926	13,096	12,625	11,752
BROADWAY	28,462	31,795	32,706	31,885	30,847	29,600	28,927	26,550	28,731	24,626	25,066
COLUMBUS AND AMSTERDAM AVES.	50,707	49,447	53,847	47,261	47,098	39,700	42,229	39,487	40,430	44,205	39,190
WEST END AVENUE	24,750	24,337	25,203	25,009	24,056	22,980	22,611	20,725	21,182	22,888	21,338
WEST SIDE HIGHWAY	116,285	117,143	111,227	110,341	111,560	114,186	113,753	116,126	113,626	112,080	120,901
SUBTOTAL	234,506	238,052	238,643	229,013	228,169	220,381	221,359	215,814	217,065	216,424	218,247
SECTOR TOTAL	693,850	697,055	699,862	679,611	668,827	652,532	640,732	622,719	617,402	619,288	595,669
BROOKLYN SECTOR											
WILLIAMSBURG BRIDGE	108,077	111,189	103,590	112,696	115,618	111,575	105,154	105,590	105,352	104,722	128,214
MANHATTAN BRIDGE	71,872	74,777	85,392	89,087	87,375	84,048	87,046	85,084	80,273	75,862	69,245
BROOKLYN BRIDGE	125,021	123,640	105,820	100,288	102,542	99,986	102,219	105,679	115,981	119,735	158,132
HUGH L. CAREY TUNNEL	50,440	54,097	49,967	53,067	53,389	53,532	55,734	56,545	55,039	59,201	57,599
SECTOR TOTAL	355,410	363,703	344,769	355,138	358,924	349,141	350,153	352,898	356,645	359,520	413,190
QUEENS SECTOR											
QUEENS MIDTOWN TUNNEL	85,704	88,231	86,730	90,992	87,985	84,628	88,573	74,883	82,392	85,330	89,352
ED KOCH QUEENSBORO BRIDGE (3)	179,125	176,903	182,611	177,455	170,807	173,508	173,776	169,586	168,029	144,782	161,881
SECTOR TOTAL	264,829	265,134	269,341	268,447	258,792	258,136	262,349	244,469	250,421	230,112	251,233
NEW JERSEY SECTOR											
HOLLAND TUNNEL	91,508	97,658	88,186	91,957	88,015	85,467	88,457	87,481	85,804	86,141	87,985
LINCOLN TUNNEL	85,462	99,538	90,020	101,235	96,595	95,662	103,110	97,020	99,005	98,187	95,582
SECTOR TOTAL	176,970	197,196	178,206	193,192	184,610	181,129	191,567	184,501	184,809	184,328	183,567
TOTAL, ALL FACILITIES	1,491,059	1,523,088	1,492,178	1,496,388	1,471,153	1,440,938	1,444,801	1,404,587	1,409,277	1,393,248	1,443,659

(1) Central Park South and 7th Avenue, open only to authorized vehicles and not general traffic.

(2) Beginning in 2007, this report classifies Central Park West with the group "West of Central Park". It has previously been included under Central Park Drives.

(3) In 2018, the Queensboro Bridge volume is noticeably lower than recent years.

Please account for this discrepancy for any analysis/reporting in which it is used.

TABLE 12
REVERSE TRAVEL FROM THE HUB DURING AM PEAK PERIOD (7AM - 10AM)
ON A FALL BUSINESS DAY (2011-2019), BY MODE AND BY SECTOR

YEAR / SECTOR / MODE	2011	2012	2013	2014	2015	2016	2017	2018	2019
SECTOR									
60TH STREET	216,599	217,782	218,353	211,423	209,223	203,088	207,161	203,943	212,589
BROOKLYN	94,256	99,263	103,442	107,214	111,246	109,910	109,364	109,886	101,066
QUEENS	65,530	68,144	70,074	68,897	68,449	66,830	64,037	62,192	60,853
NEW JERSEY	64,855	63,333	63,346	61,999	73,836	68,908	68,479	67,894	65,551
STATEN ISLAND	2,204	2,010	1,900	1,934	2,157	2,430	2,377	2,391	2,431
ROOSEVELT ISLAND	272	257	229	154	205	256	200	266	259
TOTAL, ALL SECTORS	443,716	450,789	457,344	451,621	465,116	451,422	451,618	446,572	442,749
MODE									
AUTOS, TAXIS, VANS AND TRUCKS	134,452	133,524	130,362	124,490	122,351	117,077	117,441	119,827	114,474
BUS	32,734	33,470	31,996	32,317	41,029	36,633	35,812	35,624	32,974
SUBWAY	253,959	261,945	271,455	272,112	277,764	273,265	273,944	266,087	269,136
SUBURBAN AND INTERCITY RAIL	16,893	16,791	17,396	17,011	17,803	17,418	17,250	17,382	19,049
FERRY	3,247	3,148	3,119	2,943	3,281	3,690	3,764	3,817	3,890
TRAMWAY	272	257	229	154	205	256	200	266	259
BICYCLE	2,159	1,654	2,787	2,594	2,683	3,083	3,207	3,569	2,967
TOTAL, ALL MODES	443,716	450,789	457,344	451,621	465,116	451,422	451,618	446,572	442,749

(1) 2010 data for Roosevelt Island Tramway not available due to closure of the aerial tramway for modernization, in 2010

Notes: - Persons leaving the Hub during 7am - 10am peak period and traveling contrary to the predominant direction of travel.
- Reverse travelers may not necessarily have originated from the CBD. It includes through trips as well.

TABLE 13A
TRI-STATE REGION - POPULATION

	POPULATION (in thousands)				PERCENT CHANGE		
	2016	2017	2018	2019	2017/ 2016	2018/ 2017	2019/ 2018
CONNECTICUT REGION							
3 COUNTIES	1,984	1,993	1,983	1,978	0.5%	-0.5%	-0.3%
NEW JERSEY							
9 COUNTIES	5,773	5,829	5,750	5,726	1.0%	-1.4%	-0.4%
NEW YORK STATE							
MANHATTAN CBD (1)	620	623	627	622	0.5%	0.6%	-0.8%
NYC REMAINDER	7,918	7,999	7,772	7,715	1.0%	-2.8%	-0.7%
7 SUBURBAN COUNTIES	4,928	4,949	4,908	4,904	0.4%	-0.8%	-0.1%
TOTAL	13,466	13,571	13,307	13,241	0.8%	-1.9%	-0.5%
TOTAL REGION	21,223	21,393	21,040	20,945	0.8%	-1.6%	-0.5%

(1) NYMTC Estimate

Notes:

- Connecticut Region (after 1999) includes New Haven, Fairfield, and Litchfield counties.
- The 9 counties of New Jersey are: Bergen, Essex, Hudson, Middlesex, Monmouth, Morris, Passaic, Somerset and Union.
- The 7 suburban counties of New York are: Dutchess, Nassau, Orange, Putnam, Rockland, Suffolk and Westchester.

TABLE 13B
TRI-STATE REGION - EMPLOYMENT
(NON-AGRICULTURAL WAGE AND SALARY)

	EMPLOYMENT (in thousands)				PERCENT CHANGE		
	2016	2017	2018	2019	2017/ 2016	2018/ 2017	2019/ 2018
CONNECTICUT REGION							
3 COUNTIES	847	845	849	847	-0.2%	0.5%	-0.2%
NEW JERSEY							
9 COUNTIES	2,555	2,588	2,613	2,631	1.3%	1.0%	0.7%
NEW YORK STATE							
MANHATTAN CBD (1)	1,970	1,969	1,968	1,934	-0.1%	-0.1%	-1.7%
NYC REMAINDER	2,196	2,283	2,412	2,559	4.0%	5.6%	6.1%
7 SUBURBAN COUNTIES	2,093	2,117	2,020	2,149	1.1%	-4.6%	6.4%
TOTAL	6,259	6,369	6,399	6,642	1.8%	0.5%	3.8%
REGION TOTAL	9,661	9,802	9,861	10,120	1.5%	0.6%	2.6%

(1) NYMTC Estimate

Notes:

- Connecticut Region (after 1999) includes New Haven, Fairfield, and Litchfield counties.
- The 9 counties of New Jersey are: Bergen, Essex, Hudson, Middlesex, Monmouth, Morris, Passaic, Somerset and Union.
- The 7 suburban counties of New York are: Dutchess, Nassau, Orange, Putnam, Rockland, Suffolk and Westchester.

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Appendix II

Summary Tables - 2019

TABLE 14 A
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2019
MORNING PEAK HOUR (8-9 AM)

LOCATION / TRAVEL MODE	AUTOS, TAXIS,	SUBWAY	SUBWAY	BUS	BUS	SUBURBAN
	VANS & TRUCKS	EXPRESS	LOCAL	EXPRESS	LOCAL	RAIL
	8-9 AM	8-9 AM	8-9 AM	8-9 AM	8-9 AM	8-9 AM
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	5,871	-	-	-	-	-
York Avenue	501	-	-	-	83	-
First Avenue	-	-	-	-	-	-
Second Avenue	2,330	-	12,872	887	223	-
Third Avenue	-	-	-	-	-	-
Lexington Avenue- IRT	1,171	21,647	13,005	107	373	-
Park Ave	1,770	-	-	-	-	35,562
Madison Avenue	-	-	-	-	-	-
Fifth Avenue	1,735	-	-	547	1,155	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	1,226	24,831	14,485	36	377	-
Eighth Avenue	-	22,794	10,049	-	-	-
Columbus Avenue	1,354	-	-	-	120	-
Amsterdam Avenue	-	-	-	-	-	-
West End Avenue	1,166	-	-	-	136	-
West Side Highway	4,886	-	-	-	-	264
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-	-
SECTOR TOTAL	22,010	69,272	50,411	1,577	2,467	35,826
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	26,461	-	-	-
Williamsburg Bridge-BMT	3,041	-	17,130	-	9	-
Rutgers Tunnel-IND	-	-	11,019	-	-	-
Manhattan Bridge-BMT	2,574	19,378	20,215	-	-	-
Brooklyn Bridge	6,702	-	-	-	-	-
Cranberry Tunnel-IND	-	-	25,057	-	-	-
Clark Tunnel-IRT	-	-	13,672	-	-	-
Montague Tunnel-BMT	-	-	6,317	-	-	-
Joralemon Tunnel-IRT	-	-	16,067	-	-	-
Hugh L. Carey Tunnel	3,130	-	-	4,917	-	-
SECTOR TOTAL	15,447	19,378	135,938	4,917	9	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	16,579	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	25,384	-	-	-
Ed Koch Queensboro Bridge-Tramway	5,673	-	-	-	230	-
Fifty-third St. Tunnel-IND	-	-	23,886	-	-	-
Steinway Tunnel-IRT	-	-	24,459	-	-	-
Queens Midtown Tunnel-IRT	4,657	-	-	2,728	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	33,540
SECTOR TOTAL	10,330	-	90,308	2,728	230	33,540
NEW JERSEY SECTOR						
Lincoln Tunnel	3,663	-	-	36,978	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	27,223
Uptown PATH Tunnel	-	-	15,969	-	-	-
Holland Tunnel	3,346	-	-	1,606	-	-
Downtown PATH Tunnel	-	-	20,043	-	-	-
SECTOR TOTAL	7,009	-	36,012	38,584	-	27,223
TOTAL, ALL SECTORS	54,796	88,650	312,669	47,806	2,706	96,589

TABLE 14 A (Continued)
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2019
MORNING PEAK HOUR (8-9 AM)

LOCATION / TRAVEL MODE	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS ALL MODES
	8-9 AM	8-9 AM	8-9 AM		
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	5,871
York Avenue	-	-	-	83	584
First Avenue	-	-	3	3	3
Second Avenue	-	-	463	14,445	16,775
Third Avenue	-	-	1	1	1
Lexington Avenue- IRT	-	-	84	35,216	36,387
Park Ave	-	-	53	35,615	37,385
Madison Avenue	-	-	-	-	-
Fifth Avenue	-	-	134	1,836	3,571
Sixth Avenue	-	-	4	4	4
Seventh Avenue	-	-	133	133	133
Broadway	-	-	160	39,889	41,115
Eighth Avenue	-	-	6	32,849	32,849
Columbus Avenue	-	-	120	240	1,594
Amsterdam Avenue	-	-	4	4	4
West End Avenue	-	-	49	185	1,351
West Side Highway	-	-	2	266	5,152
Hudson River Greenway	-	-	652	652	652
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-
-	-	-	-	-	-
SECTOR TOTAL	-	-	1,868	161,421	183,431
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	26,461	26,461
Williamsburg Bridge-BMT	-	-	680	17,819	20,860
Rutgers Tunnel-IND	-	-	-	11,019	11,019
Manhattan Bridge-BMT	-	-	562	40,155	42,729
Brooklyn Bridge	-	-	203	203	6,905
Cranberry Tunnel-IND	-	-	-	25,057	25,057
Clark Tunnel-IRT	-	-	-	13,672	13,672
Montague Tunnel-BMT	-	-	-	6,317	6,317
Joralemon Tunnel-IRT	-	-	-	16,067	16,067
Hugh L. Carey Tunnel	-	-	-	4,917	8,047
All Ferry Points	518	-	-	518	518
SECTOR TOTAL	518	-	1,445	162,205	177,652
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	16,579	16,579
Sixtieth St. Tunnel-BMT/IND	-	-	-	25,384	25,384
Ed Koch Queensboro Bridge-Tramway	-	486	400	1,116	6,789
Fifty-third St. Tunnel-IND	-	-	-	23,886	23,886
Steinway Tunnel-IRT	-	-	-	24,459	24,459
Queens Midtown Tunnel-IRT	-	-	-	2,728	7,385
Amtrak/LIRR Tunnels	-	-	-	33,540	33,540
All Ferry Points	975	-	-	975	975
SECTOR TOTAL	975	486	400	128,667	138,997
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	36,978	40,641
Amtrak/N.J. Transit Tunnels	-	-	-	27,223	27,223
Uptown PATH Tunnel	-	-	-	15,969	15,969
Holland Tunnel	-	-	-	1,606	4,952
Downtown PATH Tunnel	-	-	-	20,043	20,043
All Ferry Points	5,990	-	-	5,990	5,990
SECTOR TOTAL	5,990	-	-	107,809	114,818
STATEN ISLAND FERRY, BICYCLE	4,537	-	68	4,605	4,605
TOTAL, ALL SECTORS	12,020	486	3,781	564,707	619,503

TABLE 14 B
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2019
MORNING PEAK PERIOD (7-10 AM)

LOCATION / TRAVEL MODE	AUTOS, TAXIS,	SUBWAY	SUBWAY	BUS	BUS	SUBURBAN
	VANS & TRUCKS	EXPRESS	LOCAL	EXPRESS	LOCAL	RAIL
	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	17,240	-	-	-	-	-
York Avenue	1,490	-	-	-	244	-
First Avenue	-	-	-	-	-	-
Second Avenue	6,616	-	28,557	2,154	475	-
Third Avenue	-	-	-	-	-	-
Lexington Avenue- IRT	3,240	51,805	32,298	347	1,016	-
Park Ave	4,721	-	-	-	-	72,332
Madison Avenue	-	-	-	-	-	-
Fifth Avenue	4,872	-	-	1,894	2,395	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	3,342	55,737	32,314	111	856	-
Eighth Avenue	-	53,827	21,941	-	-	-
Columbus Avenue	3,814	-	-	-	287	-
Amsterdam Avenue	-	-	-	-	-	-
West End Avenue	3,215	-	-	-	281	-
West Side Highway	14,556	-	-	-	-	567
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-	-
SECTOR TOTAL	63,106	161,369	115,110	4,506	5,554	72,899
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	59,660	-	-	-
Williamsburg Bridge-BMT	9,467	-	36,160	-	29	-
Rutgers Tunnel-IND	-	-	24,347	-	-	-
Manhattan Bridge-BMT	7,636	44,171	53,457	-	-	-
Brooklyn Bridge	19,555	-	-	-	-	-
Cranberry Tunnel-IND	-	-	56,184	-	-	-
Clark Tunnel-IRT	-	-	33,549	-	-	-
Montague Tunnel-BMT	-	-	13,182	-	-	-
Joralemon Tunnel-IRT	-	-	36,523	-	-	-
Hugh L. Carey Tunnel	9,588	-	-	11,509	-	-
SECTOR TOTAL	46,246	44,171	313,062	11,509	29	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	35,241	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	58,881	-	-	-
Ed Koch Queensboro Bridge-Tramway	16,726	-	-	-	599	-
Fifty-third St. Tunnel-IND	-	-	61,137	-	-	-
Steinway Tunnel-IRT	-	-	55,987	-	-	-
Queens Midtown Tunnel-IRT	13,321	-	-	7,043	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	72,058
SECTOR TOTAL	30,047	-	211,246	7,043	599	72,058
NEW JERSEY SECTOR						
Lincoln Tunnel	10,915	-	-	-	-	56,050
Amtrak/N.J. Transit Tunnels	-	-	36,327	-	-	-
Uptown PATH Tunnel	-	-	-	4,421	-	-
Holland Tunnel	10,380	-	41,810	-	-	-
Downtown PATH Tunnel	-	-	-	-	-	-
	-	-	-	88,433	-	-
SECTOR TOTAL	21,295	-	78,137	92,854	-	56,050
TOTAL, ALL SECTORS	160,694	205,540	717,555	115,912	6,182	201,007

TABLE 14 B (Continued)
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2019
MORNING PEAK PERIOD (7-10 AM)

LOCATION / TRAVEL MODE	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	17,240
York Avenue	-	-	-	244	1,734
First Avenue	-	-	14	14	14
Second Avenue	-	-	1,067	32,253	38,869
Third Avenue	-	-	3	3	3
Lexington Avenue- IRT	-	-	178	85,644	88,884
Park Ave	-	-	140	72,472	77,193
Madison Avenue	-	-	1	1	1
Fifth Avenue	-	-	356	4,645	9,517
Sixth Avenue	-	-	7	7	7
Seventh Avenue	-	-	301	301	301
Broadway	-	-	411	89,429	92,771
Eighth Avenue	-	-	12	75,780	75,780
Columbus Avenue	-	-	306	593	4,407
Amsterdam Avenue	-	-	13	13	13
West End Avenue	-	-	107	388	3,603
West Side Highway	-	-	4	571	15,127
Hudson River Greenway	-	-	1,399	1,399	1,399
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	4,319	363,757	426,863
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	59,660	59,660
Williamsburg Bridge-BMT	-	-	1,576	37,765	47,232
Rutgers Tunnel-IND	-	-	-	24,347	24,347
Manhattan Bridge-BMT	-	-	1,258	98,886	106,522
Brooklyn Bridge	-	-	436	436	19,991
Cranberry Tunnel-IND	-	-	-	56,184	56,184
Clark Tunnel-IRT	-	-	-	33,549	33,549
Montague Tunnel-BMT	-	-	-	13,182	13,182
Joralemon Tunnel-IRT	-	-	-	36,523	36,523
Hugh L. Carey Tunnel	-	-	-	11,509	21,097
All Ferry Points	1,143	-	-	1,143	1,143
SECTOR TOTAL	1,143	-	3,270	373,184	419,430
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	35,241	35,241
Sixtieth St. Tunnel-BMT/IND	-	-	-	58,881	58,881
Ed Koch Queensboro Bridge-Tramway	-	1,097	947	2,643	19,369
Fifty-third St. Tunnel-IND	-	-	-	61,137	61,137
Steinway Tunnel-IRT	-	-	-	55,987	55,987
Queens Midtown Tunnel-IRT	-	-	-	7,043	20,364
Amtrak/LIRR Tunnels	-	-	-	72,058	72,058
All Ferry Points	1,997	-	-	1,997	1,997
SECTOR TOTAL	1,997	1,097	947	294,987	325,034
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	56,050	66,965
Amtrak/N.J. Transit Tunnels	-	-	-	36,327	36,327
Uptown PATH Tunnel	-	-	-	4,421	4,421
Holland Tunnel	-	-	-	41,810	52,190
Downtown PATH Tunnel	12,578	-	-	12,578	12,578
All Ferry Points	-	-	-	88,433	88,433
SECTOR TOTAL	12,578	-	-	239,619	260,914
STATEN ISLAND FERRY, BICYCLE	11,131	-	183	11,314	11,314
TOTAL, ALL SECTORS	26,849	1,097	8,719	1,282,861	1,443,555

TABLE 14 C
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2019
24 HOUR

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY	SUBWAY	BUS	BUS	SUBURBAN
	24 HOUR	EXPRESS	LOCAL	EXPRESS	LOCAL	RAIL
	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	100,042	-	-	-	-	-
York Avenue	13,950	-	-	-	1,364	-
First Avenue	-	-	-	-	-	-
Second Avenue	52,336	-	79,827	5,934	2,311	-
Third Avenue	-	-	-	-	-	-
Lexington Avenue- IRT	22,414	152,463	119,784	686	4,436	-
Park Ave	25,884	-	-	-	-	110,703
Madison Avenue	-	-	-	-	-	-
Fifth Avenue	28,001	-	-	4,796	8,021	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	18,858	151,380	112,841	336	3,177	-
Eighth Avenue	-	140,565	70,083	-	-	-
Columbus Avenue	25,923	-	-	-	1,252	-
Amsterdam Avenue	-	-	-	-	-	-
West End Avenue	18,030	-	-	-	1,191	-
West Side Highway	74,175	-	-	-	-	1,953
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-	-
SECTOR TOTAL	379,613	444,408	382,535	11,752	21,752	112,656
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	123,513	-	-	-
Williamsburg Bridge-BMT	62,311	-	77,228	-	181	-
Rutgers Tunnel-IND	-	-	67,235	-	-	-
Manhattan Bridge-BMT	40,926	86,359	120,082	-	-	-
Brooklyn Bridge	119,302	-	-	-	-	-
Cranberry Tunnel-IND	-	-	129,507	-	-	-
Clark Tunnel-IRT	-	-	74,542	-	-	-
Montague Tunnel-BMT	-	-	23,659	-	-	-
Joralemon Tunnel-IRT	-	-	89,323	-	-	-
Hugh L. Carey Tunnel	32,464	-	-	18,916	-	-
SECTOR TOTAL	255,003	86,359	705,089	18,916	181	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	83,663	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	123,092	-	-	-
Ed Koch Queensboro Bridge-Tramway	97,354	-	-	-	2,174	-
Fifty-third St. Tunnel-IND	-	-	145,109	-	-	-
Steinway Tunnel-IRT	-	-	117,717	-	-	-
Queens Midtown Tunnel-IRT	66,782	-	-	9,305	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	124,192
SECTOR TOTAL	164,136	-	469,581	9,305	2,174	124,192
NEW JERSEY SECTOR						
Lincoln Tunnel	55,252	-	-	198,844	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	107,613
Uptown PATH Tunnel	-	-	69,732	-	-	-
Holland Tunnel	55,778	-	-	13,302	-	-
Downtown PATH Tunnel	-	-	70,288	-	-	-
SECTOR TOTAL	111,030	-	140,020	212,146	-	107,613
TOTAL, ALL SECTORS	909,782	530,767	1,697,225	252,119	24,107	344,461

TABLE 14 C (Continued)

WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2019
 24 HOUR

LOCATION / TRAVEL MODE	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	100,042
York Avenue	-	-	-	1,364	15,314
First Avenue	-	-	79	79	79
Second Avenue	-	-	4,275	92,347	144,683
Third Avenue	-	-	88	88	88
Lexington Avenue- IRT	-	-	1,842	279,211	301,625
Park Ave	-	-	1,076	111,779	137,663
Madison Avenue	-	-	32	32	32
Fifth Avenue	-	-	2,498	15,315	43,316
Sixth Avenue	-	-	120	120	120
Seventh Avenue	-	-	1,972	1,972	1,972
Broadway	-	-	1,696	269,430	288,288
Eighth Avenue	-	-	195	210,843	210,843
Columbus Avenue	-	-	3,163	4,415	30,338
Amsterdam Avenue	-	-	219	219	219
West End Avenue	-	-	791	1,982	20,012
West Side Highway	-	-	42	1,995	76,170
Hudson River Greenway	-	-	3,896	3,896	3,896
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	21,984	995,087	1,374,700
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	123,513	123,513
Williamsburg Bridge-BMT	-	-	3,680	81,089	143,400
Rutgers Tunnel-IND	-	-	-	67,235	67,235
Manhattan Bridge-BMT	-	-	2,836	209,277	250,203
Brooklyn Bridge	-	-	1,062	1,062	120,364
Cranberry Tunnel-IND	-	-	-	129,507	129,507
Clark Tunnel-IRT	-	-	-	74,542	74,542
Montague Tunnel-BMT	-	-	-	23,659	23,659
Joralemon Tunnel-IRT	-	-	-	89,323	89,323
Hugh L. Carey Tunnel	-	-	-	18,916	51,380
All Ferry Points	2,832	-	-	2,832	2,832
SECTOR TOTAL	2,832	-	7,578	820,955	1,075,958
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	83,663	83,663
Sixtieth St. Tunnel-BMT/IND	-	-	-	123,092	123,092
Ed Koch Queensboro Bridge-Tramway	-	3,716	2,606	8,496	105,850
Fifty-third St. Tunnel-IND	-	-	-	145,109	145,109
Steinway Tunnel-IRT	-	-	-	117,717	117,717
Queens Midtown Tunnel-IRT	-	-	-	9,305	76,087
Amtrak/LIRR Tunnels	-	-	-	124,192	124,192
All Ferry Points	4,597	-	-	4,597	4,597
SECTOR TOTAL	4,597	3,716	2,606	616,171	780,307
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	198,844	254,096
Amtrak/N.J. Transit Tunnels	-	-	-	107,613	107,613
Uptown PATH Tunnel	-	-	-	69,732	69,732
Holland Tunnel	-	-	-	13,302	69,080
Downtown PATH Tunnel	-	-	-	70,288	70,288
All Ferry Points	19,408	-	-	19,408	19,408
SECTOR TOTAL	19,408	-	-	479,187	590,217
STATEN ISLAND FERRY, BICYCLE	34,184	-	342	34,526	34,526
TOTAL, ALL SECTORS	61,021	3,716	32,510	2,945,926	3,855,708

TABLE 15 A
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2019
EVENING PEAK HOUR (5-6 PM)

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY	SUBWAY	BUS	BUS	SUBURBAN
	5-6 PM	EXPRESS	LOCAL	EXPRESS	LOCAL	RAIL
		5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	3,574	-	-	-	-	-
York Avenue	1,034	-	-	-	126	-
First Avenue	1,838	-	-	523	276	-
Second Avenue	-	-	7,868	-	-	-
Third Avenue	1,928	-	-	37	658	-
Lexington Avenue- IRT	-	22,535	11,508	-	-	-
Park Ave	1,839	-	-	-	-	28,502
Madison Avenue	1,350	-	-	1,152	852	-
Fifth Avenue	-	-	-	-	-	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	839	18,530	11,643	12	291	-
Eighth Avenue	1,245	14,324	7,347	-	32	-
Columbus Avenue	-	-	-	-	-	-
Amsterdam Avenue	1,659	-	-	-	198	-
West End Avenue	1,131	-	-	-	122	-
West Side Highway	3,169	-	-	-	-	208
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	1,997	-	-	-	-	-
SECTOR TOTAL	21,603	55,389	38,366	1,724	2,555	28,710
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	16,849	-	-	-
Williamsburg Bridge-BMT	5,674	-	10,353	-	4	-
Rutgers Tunnel-IND	-	-	8,063	-	-	-
Manhattan Bridge-BMT	3,226	16,857	15,865	-	-	-
Brooklyn Bridge	3,342	-	-	-	-	-
Cranberry Tunnel-IND	-	-	13,839	-	-	-
Clark Tunnel-IRT	-	-	9,529	-	-	-
Montague Tunnel-BMT	-	-	5,367	-	-	-
Joralemon Tunnel-IRT	-	-	11,469	-	-	-
Hugh L. Carey Tunnel	3,043	-	-	4,485	-	-
SECTOR TOTAL	15,285	16,857	91,334	4,485	4	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	10,618	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	17,616	-	-	-
Ed Koch Queensboro Bridge-Tramway	5,410	-	-	1,856	366	-
Fifty-third St. Tunnel-IND	-	-	22,363	-	-	-
Steinway Tunnel-IRT	-	-	19,871	-	-	-
Queens Midtown Tunnel-IRT	3,490	-	-	437	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	28,325
SECTOR TOTAL	8,900	-	70,468	2,293	366	28,325
NEW JERSEY SECTOR						
Lincoln Tunnel	4,778	-	-	29,627	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	23,733
Uptown PATH Tunnel	-	-	12,011	-	-	-
Holland Tunnel	2,567	-	-	1,202	-	-
Downtown PATH Tunnel	-	-	15,205	-	-	-
SECTOR TOTAL	7,345	-	27,216	30,829	-	23,733
TOTAL, ALL SECTORS	53,133	72,246	227,384	39,331	2,925	80,768

TABLE 15 A (Continued)
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2019
EVENING PEAK HOUR (5-6 PM)

LOCATION / TRAVEL MODE	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	3,574
York Avenue	-	-	-	126	1,160
First Avenue	-	-	433	1,232	3,070
Second Avenue	-	-	5	7,873	7,873
Third Avenue	-	-	156	851	2,779
Lexington Avenue- IRT	-	-	5	34,048	34,048
Park Ave	-	-	59	28,561	30,400
Madison Avenue	-	-	172	2,176	3,526
Fifth Avenue	-	-	2	2	2
Sixth Avenue	-	-	387	387	387
Seventh Avenue	-	-	5	5	5
Broadway	-	-	42	30,518	31,357
Eighth Avenue	-	-	299	22,002	23,247
Columbus Avenue	-	-	16	16	16
Amsterdam Avenue	-	-	118	316	1,975
West End Avenue	-	-	6	128	1,259
West Side Highway	-	-	12	220	3,389
Hudson River Greenway	-	-	518	518	518
Ed Koch Queensboro Bridge Ramp	-	-	-	-	1,997
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	2,235	128,979	150,582
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	16,849	16,849
Williamsburg Bridge-BMT	-	-	411	10,768	16,442
Rutgers Tunnel-IND	-	-	-	8,063	8,063
Manhattan Bridge-BMT	-	-	474	33,196	36,422
Brooklyn Bridge	-	-	154	154	3,496
Cranberry Tunnel-IND	-	-	-	13,839	13,839
Clark Tunnel-IRT	-	-	-	9,529	9,529
Montague Tunnel-BMT	-	-	-	5,367	5,367
Joralemon Tunnel-IRT	-	-	-	11,469	11,469
Hugh L. Carey Tunnel	-	-	-	4,485	7,528
All Ferry Points	469	-	-	469	469
SECTOR TOTAL	469	-	1,039	114,188	129,473
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	10,618	10,618
Sixtieth St. Tunnel-BMT/IND	-	-	-	17,616	17,616
Ed Koch Queensboro Bridge-Tramway	-	529	287	3,038	8,448
Fifty-third St. Tunnel-IND	-	-	-	22,363	22,363
Steinway Tunnel-IRT	-	-	-	19,871	19,871
Queens Midtown Tunnel-IRT	-	-	-	437	3,927
Amtrak/LIRR Tunnels	-	-	-	28,325	28,325
All Ferry Points	759	-	-	759	759
SECTOR TOTAL	759	529	287	103,027	111,927
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	29,627	34,405
Amtrak/N.J. Transit Tunnels	-	-	-	23,733	23,733
Uptown PATH Tunnel	-	-	-	12,011	12,011
Holland Tunnel	-	-	-	1,202	3,769
Downtown PATH Tunnel	-	-	-	15,205	15,205
All Ferry Points	4,249	-	-	4,249	4,249
SECTOR TOTAL	4,249	-	-	86,027	93,372
STATEN ISLAND FERRY, BICYCLE	4,834	-	42	4,876	4,876
TOTAL, ALL SECTORS	10,311	529	3,603	437,097	490,230

TABLE 15 B
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2019
EVENING PEAK PERIOD (4-7 PM)

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN RAIL
	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	11,672	-	-	-	-	-
York Avenue	3,119	-	-	-	367	-
First Avenue	5,582	-	-	1,526	683	-
Second Avenue	-	-	24,642	-	-	-
Third Avenue	5,426	-	-	64	1,558	-
Lexington Avenue- IRT	-	56,464	28,087	-	-	-
Park Ave	5,339	-	-	-	-	61,961
Madison Avenue	4,293	-	-	2,499	2,235	-
Fifth Avenue	-	-	-	-	-	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	2,600	46,279	30,892	49	709	-
Eighth Avenue	3,840	42,389	20,779	-	119	-
Columbus Avenue	-	-	-	-	-	-
Amsterdam Avenue	4,943	-	-	-	526	-
West End Avenue	3,187	-	-	-	276	-
West Side Highway	10,484	-	-	-	-	447
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	6,295	-	-	-	-	-
SECTOR TOTAL	66,780	145,132	104,400	4,138	6,473	62,408
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	51,217	-	-	-
Williamsburg Bridge-BMT	16,740	-	26,038	-	24	-
Rutgers Tunnel-IND	-	-	21,917	-	-	-
Manhattan Bridge-BMT	10,135	42,405	45,270	-	-	-
Brooklyn Bridge	10,768	-	-	-	-	-
Cranberry Tunnel-IND	-	-	38,664	-	-	-
Clark Tunnel-IRT	-	-	24,204	-	-	-
Montague Tunnel-BMT	-	-	13,922	-	-	-
Joralemon Tunnel-IRT	-	-	29,988	-	-	-
Hugh L. Carey Tunnel	8,839	-	-	10,617	-	-
SECTOR TOTAL	46,482	42,405	251,220	10,617	24	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	28,351	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	46,424	-	-	-
Ed Koch Queensboro Bridge-Tramway	16,476	-	-	4,014	1,029	-
Fifty-third St. Tunnel-IND	-	-	52,760	-	-	-
Steinway Tunnel-IRT	-	-	52,327	-	-	-
Queens Midtown Tunnel-IRT	11,178	-	-	949	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	63,732
SECTOR TOTAL	27,654	-	179,862	4,963	1,029	63,732
NEW JERSEY SECTOR						
Lincoln Tunnel	14,800	-	-	75,442	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	53,285
Uptown PATH Tunnel	-	-	28,720	-	-	-
Holland Tunnel	7,740	-	-	2,940	-	-
Downtown PATH Tunnel	-	-	34,302	-	-	-
All Ferry Points	-	-	-	-	-	-
SECTOR TOTAL	22,540	-	63,022	78,382	-	53,285
TOTAL, ALL SECTORS	163,456	187,537	598,504	98,100	7,526	179,425

TABLE 15 B (Continued)
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2019
EVENING PEAK PERIOD (4-7 PM)

LOCATION / TRAVEL MODE	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	11,672
York Avenue	-	-	-	367	3,486
First Avenue	-	-	1,142	3,351	8,933
Second Avenue	-	-	28	24,670	24,670
Third Avenue	-	-	478	2,100	7,526
Lexington Avenue- IRT	-	-	13	84,564	84,564
Park Ave	-	-	187	62,148	67,487
Madison Avenue	-	-	511	5,245	9,538
Fifth Avenue	-	-	5	5	5
Sixth Avenue	-	-	1,040	1,040	1,040
Seventh Avenue	-	-	16	16	16
Broadway	-	-	99	78,028	80,628
Eighth Avenue	-	-	921	64,208	68,048
Columbus Avenue	-	-	54	54	54
Amsterdam Avenue	-	-	384	910	5,853
West End Avenue	-	-	19	295	3,482
West Side Highway	-	-	48	495	10,979
Hudson River Greenway	-	-	1,469	1,469	1,469
Ed Koch Queensboro Bridge Ramp	-	-	-	-	6,295
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	6,414	328,965	395,745
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	51,217	51,217
Williamsburg Bridge-BMT	-	-	1,281	27,343	44,083
Rutgers Tunnel-IND	-	-	-	21,917	21,917
Manhattan Bridge-BMT	-	-	1,242	88,917	99,052
Brooklyn Bridge	-	-	436	436	11,204
Cranberry Tunnel-IND	-	-	-	38,664	38,664
Clark Tunnel-IRT	-	-	-	24,204	24,204
Montague Tunnel-BMT	-	-	-	13,922	13,922
Joralemon Tunnel-IRT	-	-	-	29,988	29,988
Hugh L. Carey Tunnel	-	-	-	10,617	19,456
All Ferry Points	1,253	-	-	1,253	1,253
SECTOR TOTAL	1,253	-	2,959	308,478	354,960
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	28,351	28,351
Sixtieth St. Tunnel-BMT/IND	-	-	-	46,424	46,424
Ed Koch Queensboro Bridge-Tramway	-	1,508	833	7,384	23,860
Fifty-third St. Tunnel-IND	-	-	-	52,760	52,760
Steinway Tunnel-IRT	-	-	-	52,327	52,327
Queens Midtown Tunnel-IRT	-	-	-	949	12,127
Amtrak/LIRR Tunnels	-	-	-	63,732	63,732
All Ferry Points	1,889	-	-	1,889	1,889
SECTOR TOTAL	1,889	1,508	833	253,816	281,470
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	75,442	90,242
Amtrak/N.J. Transit Tunnels	-	-	-	53,285	53,285
Uptown PATH Tunnel	-	-	-	28,720	28,720
Holland Tunnel	-	-	-	2,940	10,680
Downtown PATH Tunnel	-	-	-	34,302	34,302
All Ferry Points	10,342	-	-	10,342	10,342
SECTOR TOTAL	10,342	-	-	205,031	227,571
STATEN ISLAND FERRY, BICYCLE	12,565	-	94	12,659	12,659
TOTAL, ALL SECTORS	26,049	1,508	10,300	1,108,949	1,272,405

TABLE 15 C
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2019
24 HOUR

LOCATION / TRAVEL MODE	AUTOS, TAXIS,	SUBWAY	SUBWAY	BUS	BUS	SUBURBAN
	VANS & TRUCKS	EXPRESS	LOCAL	EXPRESS	LOCAL	RAIL
	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	79,973	-	-	-	-	-
York Avenue	19,657	-	-	-	1,266	-
First Avenue	32,855	-	-	6,267	2,675	-
Second Avenue	-	-	72,200	-	-	-
Third Avenue	34,899	-	-	161	5,327	-
Lexington Avenue- IRT	-	163,768	120,747	-	-	-
Park Ave	26,099	-	-	-	-	111,676
Madison Avenue	25,560	-	-	4,365	6,362	-
Fifth Avenue	-	-	-	-	-	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	14,709	140,317	113,726	129	2,412	-
Eighth Avenue	20,789	143,222	66,198	-	433	-
Columbus Avenue	-	-	-	-	-	-
Amsterdam Avenue	25,841	-	-	-	1,697	-
West End Avenue	12,663	-	-	-	943	-
West Side Highway	64,316	-	-	-	-	1,964
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	41,737	-	-	-	-	-
SECTOR TOTAL	399,098	447,307	372,871	10,922	21,115	113,640
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	123,278	-	-	-
Williamsburg Bridge-BMT	101,144	-	71,758	-	137	-
Rutgers Tunnel-IND	-	-	65,713	-	-	-
Manhattan Bridge-BMT	53,719	97,972	101,984	-	-	-
Brooklyn Bridge	74,131	-	-	-	-	-
Cranberry Tunnel-IND	-	-	119,532	-	-	-
Clark Tunnel-IRT	-	-	68,129	-	-	-
Montague Tunnel-BMT	-	-	27,775	-	-	-
Joralemon Tunnel-IRT	-	-	77,874	-	-	-
Hugh L. Carey Tunnel	33,678	-	-	17,195	-	-
SECTOR TOTAL	262,672	97,972	656,043	17,195	137	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	74,701	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	101,059	-	-	-
Ed Koch Queensboro Bridge-Tramway	99,414	-	-	5,610	2,957	-
Fifty-third St. Tunnel-IND	-	-	145,534	-	-	-
Steinway Tunnel-IRT	-	-	141,378	-	-	-
Queens Midtown Tunnel-IRT	61,560	-	-	1,224	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	122,651
SECTOR TOTAL	160,974	-	462,672	6,834	2,957	122,651
NEW JERSEY SECTOR						
Lincoln Tunnel	71,391	-	-	188,322	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	104,578
Uptown PATH Tunnel	-	-	66,633	-	-	-
Holland Tunnel	52,319	-	-	8,599	-	-
Downtown PATH Tunnel	-	-	66,794	-	-	-
SECTOR TOTAL	123,710	-	133,427	196,921	-	104,578
TOTAL, ALL SECTORS	946,454	545,279	1,625,013	231,872	24,209	340,869

TABLE 15 C (Continued)
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2019
24 HOUR

LOCATION / TRAVEL MODE	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	79,973
York Avenue	-	-	-	1,266	20,923
First Avenue	-	-	3,515	12,457	45,312
Second Avenue	-	-	142	72,342	72,342
Third Avenue	-	-	2,227	7,715	42,614
Lexington Avenue- IRT	-	-	72	284,587	284,587
Park Ave	-	-	753	112,429	138,528
Madison Avenue	-	-	1,889	12,616	38,176
Fifth Avenue	-	-	32	32	32
Sixth Avenue	-	-	3,669	3,669	3,669
Seventh Avenue	-	-	61	61	61
Broadway	-	-	491	257,075	271,784
Eighth Avenue	-	-	3,750	213,603	234,392
Columbus Avenue	-	-	225	225	225
Amsterdam Avenue	-	-	1,504	3,201	29,042
West End Avenue	-	-	91	1,034	13,697
West Side Highway	-	-	140	2,104	66,420
Hudson River Greenway	-	-	3,694	3,694	3,694
Ed Koch Queensboro Bridge Ramp	-	-	-	-	41,737
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	22,255	988,110	1,387,208
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	123,278	123,278
Williamsburg Bridge-BMT	-	-	3,745	75,640	176,784
Rutgers Tunnel-IND	-	-	-	65,713	65,713
Manhattan Bridge-BMT	-	-	3,057	203,013	256,732
Brooklyn Bridge	-	-	1,238	1,238	75,369
Cranberry Tunnel-IND	-	-	-	119,532	119,532
Clark Tunnel-IRT	-	-	-	68,129	68,129
Montague Tunnel-BMT	-	-	-	27,775	27,775
Joralemon Tunnel-IRT	-	-	-	77,874	77,874
Hugh L. Carey Tunnel	-	-	-	17,195	50,873
All Ferry Points	2,371	-	-	2,371	2,371
SECTOR TOTAL	2,371	-	8,040	781,758	1,044,430
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	74,701	74,701
Sixtieth St. Tunnel-BMT/IND	-	-	-	101,059	101,059
Ed Koch Queensboro Bridge-Tramway	-	4,104	2,510	15,181	114,595
Fifty-third St. Tunnel-IND	-	-	-	145,534	145,534
Steinway Tunnel-IRT	-	-	-	141,378	141,378
Queens Midtown Tunnel-IRT	-	-	-	1,224	62,784
Amtrak/LIRR Tunnels	-	-	-	122,651	122,651
All Ferry Points	3,730	-	-	3,730	3,730
SECTOR TOTAL	3,730	4,104	2,510	605,458	766,432
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	188,322	259,713
Amtrak/N.J. Transit Tunnels	-	-	-	104,578	104,578
Uptown PATH Tunnel	-	-	-	66,633	66,633
Holland Tunnel	-	-	-	8,599	60,918
Downtown PATH Tunnel	-	-	-	66,794	66,794
All Ferry Points	17,412	-	-	17,412	17,412
SECTOR TOTAL	17,412	-	-	452,338	576,048
STATEN ISLAND FERRY, BICYCLE	33,991	-	273	34,264	34,264
TOTAL, ALL SECTORS	57,504	4,104	33,078	2,861,928	3,808,382

TABLE 16
WHERE AND WHEN MOTOR VEHICLES ENTERED THE HUB ON A FALL BUSINESS DAY IN 2019

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS			BUS			TOTAL MOTOR VEHICLES		
	8-9 AM	7-10AM	24 HOURS	8-9 AM	7-10AM	24 HOURS	8-9 AM	7-10AM	24 HOURS
60TH STREET SECTOR									
FDR DRIVE	4,227	12,473	73,410	-	-	-	4,227	12,473	73,410
YORK AVENUE	445	1,340	12,423	5	18	100	450	1,358	12,523
SECOND AVENUE	1,696	4,911	37,650	24	67	291	1,720	4,978	37,941
ED KOCH QUEENSBORO BRIDGE RAMP	-	-	-	-	-	-	-	-	-
LEXINGTON AVENUE	919	2,590	18,984	21	67	366	940	2,657	19,350
PARK AVENUE	1,281	3,530	18,922	-	-	-	1,281	3,530	18,922
FIFTH AVENUE	1,002	2,907	18,027	69	195	709	1,071	3,102	18,736
CENTRAL PARK DRIVE AND 7TH AVENUE *	-	-	-	-	-	-	-	-	-
BROADWAY	881	2,422	13,919	27	72	412	908	2,494	14,331
COLUMBUS AVENUE	1,006	2,906	19,652	6	19	87	1,012	2,925	19,739
WEST END AVENUE	805	2,201	12,531	5	14	73	810	2,215	12,604
WEST SIDE HIGHWAY	4,503	13,423	65,661	-	-	-	4,503	13,423	65,661
SECTOR TOTAL	16,765	48,703	291,179	157	452	2,038	16,922	49,155	293,217
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	2,462	7,641	50,375	2	5	25	2,464	7,646	50,400
MANHATTAN BRIDGE	2,096	6,185	32,997	-	-	-	2,096	6,185	32,997
BROOKLYN BRIDGE	5,680	16,956	104,395	-	-	-	5,680	16,956	104,395
HUGH L. CAREY TUNNEL	2,848	8,685	28,714	148	352	659	2,996	9,037	29,373
SECTOR TOTAL	13,086	39,467	216,481	150	357	684	13,236	39,824	217,165
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	3,585	10,338	49,636	108	277	417	3,693	10,615	50,053
ED KOCH QUEENSBORO BRIDGE	4,886	14,394	81,810	17	48	262	4,903	14,442	82,072
SECTOR TOTAL	8,471	24,732	131,446	125	325	679	8,596	25,057	132,125
NEW JERSEY SECTOR									
HOLLAND TUNNEL	2,448	7,573	43,727	47	138	508	2,495	7,711	44,235
LINCOLN TUNNEL	2,983	8,966	45,101	959	2,374	7,281	3,942	11,340	52,382
SECTOR TOTAL	5,431	16,539	88,828	1,006	2,512	7,789	6,437	19,051	96,617
TOTAL, ALL SECTORS	43,753	129,441	727,934	1,438	3,646	11,190	45,191	133,087	739,124

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1. Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors, belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
2. Buses crossing NJ Sector were counted at the toll facilities which include all the buses.
3. New Jersey bus occupancy counts were determined based on Port Authority of NY&NJ bus traffic counts and on the occupancy rates from PANY&NJ 2015 Continuous Bus Survey.

TABLE 17
WHERE AND WHEN MOTOR VEHICLES LEFT THE HUB ON A FALL BUSINESS DAY IN 2019

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS			BUS			TOTAL MOTOR VEHICLES		
	5-6 PM	4-7 PM	24 HOUR	5-6 PM	4-7 PM	24 HOUR	5-6 PM	4-7 PM	24 HOUR
60TH STREET SECTOR									
FDR DRIVE	2,747	9,138	65,065	-	-	-	2,747	9,138	65,065
YORK AVENUE	690	2,094	13,468	8	20	99	698	2,114	13,567
FIRST AVENUE	1,407	4,339	26,499	18	54	294	1,425	4,393	26,793
ED KOCH QUEENSBORO BRIDGE RAMP	1,614	4,973	34,588	-	-	-	1,614	4,973	34,588
THIRD AVENUE	1,162	3,354	23,691	25	65	345	1,187	3,419	24,036
PARK AVENUE	1,147	3,383	17,130	-	-	-	1,147	3,383	17,130
MADISON AVENUE	829	2,634	17,565	89	222	685	918	2,856	18,250
CENTRAL PARK DRIVE FROM 6TH AVENUE *	-	-	-	-	-	-	-	-	-
CENTRAL PARK WEST	676	2,047	11,752	7	25	130	683	2,072	11,882
BROADWAY	660	2,005	11,147	21	58	295	681	2,063	11,442
AMSTERDAM AVENUE	1,157	3,443	19,538	6	15	83	1,163	3,458	19,621
WEST END AVENUE	785	2,191	8,807	8	18	87	793	2,209	8,894
WEST SIDE HIGHWAY	2,681	8,884	55,240	-	-	-	2,681	8,884	55,240
SECTOR TOTAL	15,555	48,485	304,490	182	477	2,018	15,737	48,962	306,508
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	4,308	12,829	77,839	2	6	27	4,310	12,835	77,866
MANHATTAN BRIDGE	2,214	6,805	36,248	-	-	-	2,214	6,805	36,248
BROOKLYN BRIDGE	2,459	7,950	53,737	-	-	-	2,459	7,950	53,737
HUGH L. CAREY TUNNEL	2,585	7,577	28,885	139	360	670	2,724	7,937	29,555
SECTOR TOTAL	11,566	35,161	196,709	141	366	697	11,707	35,527	197,406
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	2,253	7,115	39,716	16	38	57	2,269	7,153	39,773
ED KOCH QUEENSBORO BRIDGE **	4,501	13,862	80,071	97	243	573	4,598	14,105	80,644
SECTOR TOTAL	6,754	20,977	119,787	113	281	630	6,867	21,258	120,417
NEW JERSEY SECTOR									
HOLLAND TUNNEL	2,168	6,491	44,258	37	92	392	2,205	6,583	44,650
LINCOLN TUNNEL	3,542	10,874	50,481	717	1,877	7,106	4,259	12,751	57,587
SECTOR TOTAL	5,710	17,365	94,739	754	1,969	7,498	6,464	19,334	102,237
TOTAL, ALL SECTORS	39,585	121,988	715,725	1,190	3,093	10,843	40,775	125,081	726,568

* Center Drive / East Drive, between the 6th Avenue entrance on Park South and East 72nd Street: open only to authorized vehicles and not general traffic.

** The Queensboro Bridge volume is noticeably lower than recent years. Please account for this discrepancy for any analysis/reporting in which it is used.

1. Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors, belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.

2. Buses crossing NJ Sector were counted at the toll facilities which include all the buses.

3. New Jersey bus occupancy counts were determined based on Port Authority of NY&NJ bus traffic counts and on the occupancy rates from PANY&NJ 2015 Continuous Bus Survey.

TABLE 18
WHERE AND WHEN BUS PASSENGERS ENTERED THE HUB
ON A FALL BUSINESS DAY IN 2019

LOCATION / TRAVEL MODE	LOCAL BUS PASSENGERS			EXPRESS BUS PASSENGERS			TOTAL BUS PASSENGERS		
	8-9 AM	7-10AM	24 HOURS	8-9 AM	7-10AM	24 HOURS	8-9 AM	7-10AM	24 HOURS
60TH STREET SECTOR									
FDR DRIVE	-	-	-	-	-	-	-	-	-
YORK AVENUE	83	244	1,364	-	-	-	83	244	1,364
SECOND AVENUE	223	475	2,311	887	2,154	5,934	1,110	2,629	8,245
LEXINGTON AVENUE	373	1,016	4,436	107	347	686	480	1,363	5,122
FIFTH AVENUE	1,155	2,395	8,021	547	1,894	4,796	1,702	4,289	12,817
BROADWAY	377	856	3,177	36	111	336	413	967	3,513
COLUMBUS AVENUE	120	287	1,252	-	-	-	120	287	1,252
WEST END AVENUE	136	281	1,191	-	-	-	136	281	1,191
SECTOR TOTAL	2,467	5,554	21,752	1,577	4,506	11,752	4,044	10,060	33,504
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	9	29	181	-	-	-	9	29	181
MANHATTAN BRIDGE	-	-	-	-	-	-	-	-	-
HUGH L. CAREY TUNNEL	-	-	-	4,917	11,509	18,916	4,917	11,509	18,916
SECTOR TOTAL	9	29	181	4,917	11,509	18,916	4,926	11,538	19,097
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	-	-	-	2,728	7,043	9,305	2,728	7,043	9,305
ED KOCH QUEENSBORO BRIDGE	230	599	2,174	-	-	-	230	599	2,174
SECTOR TOTAL	230	599	2,174	2,728	7,043	9,305	2,958	7,642	11,479
NEW JERSEY SECTOR									
HOLLAND TUNNEL	-	-	-	1,606	4,421	13,302	1,606	4,421	13,302
LINCOLN TUNNEL	-	-	-	36,978	88,433	198,844	36,978	88,433	198,844
SECTOR TOTAL	-	-	-	38,584	92,854	212,146	38,584	92,854	212,146
TOTAL, ALL SECTORS	2,706	6,182	24,107	47,806	115,912	252,119	50,512	122,094	276,226

TABLE 19
WHERE AND WHEN BUS PASSENGERS LEFT THE HUB
ON A FALL BUSINESS DAY IN 2019

LOCATION / TRAVEL MODE	LOCAL BUS PASSENGERS			EXPRESS BUS PASSENGERS			TOTAL BUS PASSENGERS		
	5-6 PM	4-7 PM	24 HOURS	5-6 PM	4-7 PM	24 HOURS	5-6 PM	4-7 PM	24 HOURS
60TH STREET SECTOR									
FDR DRIVE	-	-	-	-	-	-	-	-	-
YORK AVENUE	126	367	1,266	-	-	-	126	367	1,266
FIRST AVENUE	276	683	2,675	523	1,526	6,267	799	2,209	8,942
THIRD AVENUE	658	1,558	5,327	37	64	161	695	1,622	5,488
MADISON AVENUE	852	2,235	6,362	1,152	2,499	4,365	2,004	4,734	10,727
CENTRAL PARK WEST	32	119	433	-	-	-	32	119	433
BROADWAY	291	709	2,412	12	49	129	303	758	2,541
AMSTERDAM AVENUE	198	526	1,697	-	-	-	198	526	1,697
WEST END AVENUE	122	276	943	-	-	-	122	276	943
SECTOR TOTAL	2,555	6,473	21,115	1,724	4,138	10,922	4,279	10,611	32,037
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	4	24	137	-	-	-	4	24	137
MANHATTAN BRIDGE	-	-	-	-	-	-	-	-	-
HUGH L. CAREY TUNNEL	-	-	-	4,485	10,617	17,195	4,485	10,617	17,195
SECTOR TOTAL	4	24	137	4,485	10,617	17,195	4,489	10,641	17,332
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	-	-	-	437	949	1,224	437	949	1,224
ED KOCH QUEENSBORO BRIDGE	366	1,029	2,957	1,856	4,014	5,610	2,222	5,043	8,567
SECTOR TOTAL	366	1,029	2,957	2,293	4,963	6,834	2,659	5,992	9,791
NEW JERSEY SECTOR									
HOLLAND TUNNEL	-	-	-	1,202	2,940	8,599	1,202	2,940	8,599
LINCOLN TUNNEL	-	-	-	29,627	75,442	188,322	29,627	75,442	188,322
SECTOR TOTAL	-	-	-	30,829	78,382	196,921	30,829	78,382	196,921
TOTAL, ALL SECTORS	2,925	7,526	24,209	39,331	98,100	231,872	42,256	105,626	256,081

TABLE 20
LEVEL OF COMFORT (1) AND FREQUENCY OF SERVICE (2)
FOR PUBLIC TRANSPORTATION VEHICLES ENTERING THE HUB ON A FALL BUSINESS DAY IN 2018 AND 2019
DURING THE 8AM-9AM PEAK HOUR

	SERVICE OPERATION				FLOOR SPACE		NUMBER OF PSGR		PASSENGERS		AVG FLOOR SPACE		AVERAGE HEADWAY	
	TRAINs, ETC.		RAILCARS, BUSES		SQ. FT.		PASSENGERS		PER RAILCAR, BUS		PER PSGR (1) (SQ. FT.)		MINUTES (2)	
	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
60TH STREET SECTOR														
SECOND AVE LOCAL (3)	9	9	90	72	39,600	31,680	12,988	12,872	144	179	3	2	7	7
LEXINGTON AVE EXPRESS	19	23	190	230	83,600	101,200	23,774	21,647	125	94	4	5	3	3
LEXINGTON AVE LOCAL	18	19	180	190	79,200	83,600	13,375	13,005	74	68	6	6	3	3
EIGHTH AVE EXPRESS	19	18	152	144	114,000	108,000	23,952	22,794	158	158	5	5	3	3
EIGHTH AVE LOCAL	13	12	104	96	70,408	64,992	9,798	10,049	94	105	7	6	5	5
BROADWAY/7TH AVE EXPRESS	18	21	180	210	79,200	92,400	14,801	24,831	82	118	5	4	3	3
BROADWAY/7TH AVE LOCAL	18	19	180	190	79,200	83,600	19,980	14,485	111	76	4	6	3	3
MTA/AMTRAK TUN.	53	53	416	416	250,432	250,432	35,862	35,826	86	86	7	7	1	1
BUSES	-	-	169	157	54,940	51,100	3,546	4,044	21	26	15	13	-	-
SECTOR AVERAGE	167	174	1,661	1,705	850,580	867,004	158,076	159,553	100	101	5	5	4	3
BROOKLYN SECTOR														
14TH ST. TUNNEL	19	20	152	160	91,504	96,320	23,678	26,461	156	165	4	4	3	3
WILLIAMSBURG BRIDGE	21	21	168	168	101,136	101,136	15,326	17,130	91	102	7	6	3	3
RUTGERS ST. TUNNEL	10	12	100	120	71,300	85,560	10,531	11,019	105	92	7	8	6	5
MANHATTAN BRIDGE	35	31	316	248	210,772	165,416	45,001	39,593	142	160	5	4	2	2
CRANBERRY ST. TUNNEL	23	23	184	184	127,696	127,696	24,887	25,057	135	136	5	5	3	3
CLARK ST. TUNNEL	17	18	170	180	74,800	79,200	15,098	13,672	89	76	5	6	4	3
MONTAGUE ST. TUNNEL	8	10	64	100	38,528	60,200	5,358	6,317	84	63	7	10	8	6
JORALEMON ST. TUNNEL	19	19	190	190	83,600	83,600	14,179	16,067	75	85	6	5	3	3
BUSES	-	-	142	150	45,920	48,460	5,052	4,926	36	33	9	10	-	-
SECTOR AVERAGE	152	154	1,486	1,500	845,256	847,588	159,110	160,242	101	101	5	5	4	3
QUEENS SECTOR														
60TH STREET TUNNEL	22	23	200	204	120,400	122,808	26,396	25,384	132	124	5	5	3	3
53RD STREET TUNNEL	24	22	222	202	133,644	121,604	27,340	23,886	123	118	5	5	3	3
STEINWAY TUNNEL	17	29	187	319	82,280	140,360	17,976	24,459	96	77	5	6	4	2
63RD STREET TUNNEL	14	15	140	150	99,820	106,950	18,057	16,579	129	111	6	6	4	4
LIRR/AMTRAK TUNNELS	37	37	389	389	234,178	234,178	33,600	33,540	86	86	7	7	2	2
BUSES	-	-	120	125	40,500	42,200	2,820	2,958	24	24	14	14	-	-
SECTOR AVERAGE	114	126	1,258	1,389	710,822	768,100	126,189	126,806	98	90	6	6	3	3
NEW JERSEY SECTOR														
PATH DOWNTOWN TUNNEL	25	27	190	206	69,920	75,808	18,953	20,043	100	97	4	4	2	2
PATH UPTOWN TUNNEL	24	23	168	161	61,824	59,248	17,246	15,969	103	99	4	4	3	3
N.J. TRANSIT/AMTRAK TUNNEL	23	25	213	226	128,226	136,052	25,971	27,223	122	120	5	5	3	2
BUSES	-	-	1,017	1,006	325,440	321,920	39,483	38,584	39	38	8	8	-	-
SECTOR AVERAGE	72	75	1,588	1,599	585,410	593,028	101,653	101,819	91	89	6	6	3	2
STATEN ISLAND FERRY	4	4	4	4	80,000	80,000	6,331	4,605	1,583	1,151	13	17	15	15
ROOSEVELT ISLAND TRAMWAY	8	8	8	8	2,075	2,075	511	486	64	61	4	4	8	8
TOTAL/AVERAGE, ALL SECTORS	517	541	6,005	6,205	3,074,143	3,157,795	551,870	553,511	92	89	6	6	3	3

(1) - Average floor space per passenger is a measurement for passenger level of comfort.

(2) - Frequency of Service or Average Headway is a measurement of time between vehicles in a transit system.

TABLE 21A
TOTAL PERSONS ENTERING AND LEAVING THE HUB
ON A FALL BUSINESS DAY IN 2017, 2018, AND 2019

HOURS	2017			2018			2019			TOTAL
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND		
= 18	12:00am	30,856	67,290	98,146	26,952	66,162	93,114	28,075	53,514	81,589
	1:00am	17,985	35,843	53,828	15,615	32,220	47,835	17,069	36,846	53,915
	2:00am	13,116	19,638	32,754	11,779	18,230	30,009	13,637	19,434	33,071
	3:00am	14,476	16,046	30,522	13,107	14,659	27,766	12,962	16,854	29,816
	4:00am	29,232	19,608	48,840	27,041	18,639	45,680	27,453	19,464	46,917
	5:00am	95,898	39,275	135,173	98,582	37,879	136,461	94,149	37,126	131,275
	6:00am	238,194	93,234	331,428	235,509	93,653	329,162	236,976	84,128	321,104
	7:00am	427,687	152,499	580,186	421,534	150,535	572,069	412,602	147,800	560,402
	8:00am	615,885	165,197	781,082	614,967	163,663	778,630	619,503	162,644	782,147
	9:00am	390,382	133,922	524,304	384,350	132,374	516,724	411,450	132,305	543,755
	10:00am	206,613	109,059	315,672	211,956	103,475	315,431	214,907	111,808	326,715
	11:00am	162,336	110,189	272,525	165,915	107,369	273,284	165,256	112,292	277,548
	12:00pm	150,362	123,237	273,599	147,481	118,249	265,730	151,866	127,663	279,529
	1:00pm	145,658	138,223	283,881	145,125	135,758	280,883	146,281	140,656	286,937
	2:00pm	155,918	172,819	328,737	155,971	171,981	327,952	156,835	180,497	337,332
	3:00pm	178,300	244,100	422,400	176,896	235,072	411,968	180,316	250,764	431,080
	4:00pm	195,760	332,589	528,349	194,471	322,598	517,069	193,037	328,573	521,610
	5:00pm	206,042	491,133	697,175	209,068	489,626	698,694	202,014	490,230	692,244
	6:00pm	173,726	452,792	626,518	175,339	455,021	630,360	168,580	453,602	622,182
	7:00pm	124,909	301,206	426,115	124,663	299,789	424,452	119,942	295,956	415,898
	8:00pm	101,410	222,353	323,763	94,135	219,469	313,604	89,428	211,163	300,591
	9:00pm	85,890	190,997	276,887	79,569	180,141	259,710	75,742	164,468	240,210
	10:00pm	71,954	147,765	219,719	65,081	144,866	209,947	68,452	133,929	202,381
	11:00pm	53,019	108,611	161,630	46,862	103,303	150,165	49,176	96,666	145,842
TOTAL		3,885,608	3,887,625	7,773,233	3,841,968	3,814,731	7,656,699	3,855,708	3,808,382	7,664,090

TABLE 21B
CUMULATIVE NUMBER OF PERSONS ENTERING THE HUB,
AT PEAK ACCUMULATION 1990-2019

YEAR	TOTAL ACCUMULATION	AT
1990	1,318,000	1:00pm
1991	1,325,000	1:00pm
1992	1,262,000	1:00pm
1993	1,250,000	1:00pm
1994	1,273,000	1:00pm
1995	1,277,000	1:00pm
1996	1,295,000	1:00pm
1997	1,303,000	1:00pm
1998	1,296,000	1:00pm
2000	1,464,000	1:00pm
2001	1,253,800	1:00pm
2002	1,265,360	1:00pm
2003	1,273,519	1:00pm
2004	1,228,259	2:00pm
2005	1,197,459	2:00pm
2006	1,244,863	2:00pm
2007	1,381,852	1:00pm
2008	1,334,179	1:00pm
2009	1,209,458	2:00pm
2010	1,231,071	2:00pm
2011	1,230,220	2:00pm
2012	1,316,844	2:00pm
2013	1,342,153	2:00pm
2014	1,365,561	2:00pm
2015	1,392,132	2:00pm
2016	1,381,111	2:00pm
2017	1,378,724	2:00pm
2018	1,378,366	2:00pm
2019	1,382,597	2:00pm

Data for 1999 were lost following the events of 9/11/01

TABLE 22A
TOTAL PUBLIC TRANSIT PASSENGERS ENTERING AND LEAVING
THE HUB ON A FALL BUSINESS DAY IN 2017, 2018, AND 2019

HOURS	2017			2018			2019			TOTAL
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND		
12:00am	10,064	39,667	49,731	7,614	37,824	45,438	7,300	23,762		31,062
1:00am	4,858	18,396	23,254	3,709	14,808	18,517	4,219	17,531		21,750
2:00am	3,336	7,528	10,864	2,884	6,392	9,276	4,526	5,880		10,406
3:00am	4,691	5,659	10,350	3,660	4,455	8,115	3,591	4,772		8,363
4:00am	14,008	5,512	19,520	11,452	5,031	16,483	12,085	4,946		17,031
5:00am	61,385	15,113	76,498	64,294	15,264	79,558	59,998	15,811		75,809
6:00am	187,129	57,153	244,282	185,876	57,913	243,789	186,201	51,121		237,322
7:00am	372,899	110,806	483,705	367,805	108,143	475,948	356,620	108,276		464,896
8:00am	559,225	124,639	683,864	559,095	122,143	681,238	560,994	123,583		684,577
9:00am	336,245	95,545	431,790	331,913	92,915	424,828	356,711	93,462		450,173
10:00am	159,605	68,013	227,618	163,806	62,750	226,556	165,387	70,887		236,274
11:00am	118,511	67,229	185,740	122,114	65,877	187,991	118,822	69,772		188,594
12:00pm	108,041	78,005	186,046	104,719	74,729	179,448	107,071	82,783		189,854
1:00pm	103,588	90,428	194,016	102,658	89,469	192,127	102,680	92,647		195,327
2:00pm	112,806	120,353	233,159	111,975	121,330	233,305	111,943	128,404		240,347
3:00pm	134,591	187,770	322,361	132,968	181,842	314,810	135,330	195,274		330,604
4:00pm	151,155	274,154	425,309	149,255	266,776	416,031	147,080	270,647		417,727
5:00pm	159,851	431,779	591,630	163,084	433,419	596,503	155,085	433,536		588,621
6:00pm	127,699	392,731	520,430	128,415	397,793	526,208	119,952	394,560		514,512
7:00pm	80,896	243,321	324,217	79,893	243,449	323,342	73,859	238,154		312,013
8:00pm	59,733	169,683	229,416	52,708	166,756	219,464	45,884	155,173		201,057
9:00pm	46,305	140,842	187,147	39,298	130,275	169,573	34,123	110,685		144,808
10:00pm	32,923	98,689	131,612	26,355	97,452	123,807	27,952	83,599		111,551
11:00pm	20,875	68,186	89,061	15,100	63,291	78,391	16,345	53,858		70,203
TOTAL	2,970,419	2,911,201	5,881,620	2,930,650	2,860,096	5,790,746	2,913,758	2,829,123		5,742,881

TABLE 22B
CUMULATIVE NUMBER OF PASSENGERS ENTERING AND LEAVING THE HUB
BY PUBLIC TRANSPORTATION, AT PEAK ACCUMULATION, 1990-2019

YEAR	TOTAL ACCUMULATION	AT
1990	1,166,000	1:00pm
1991	1,170,000	1:00pm
1992	1,114,000	1:00pm
1993	1,107,000	1:00pm
1994	1,124,000	1:00pm
1995	1,134,000	1:00pm
1996	1,147,000	1:00pm
1997	1,214,000	1:00pm
1998	1,106,000	1:00pm
2000	1,301,700	1:00pm
2001	1,143,565	1:00pm
2002	1,165,742	1:00pm
2003	1,131,893	1:00pm
2004	1,095,947	2:00pm
2005	1,084,278	2:00pm
2006	1,127,823	2:00pm
2007	1,263,788	1:00pm
2008	1,227,692	2:00pm
2009	1,113,513	2:00pm
2010	1,129,993	2:00pm
2011	1,163,499	2:00pm
2012	1,203,234	2:00pm
2013	1,230,358	2:00pm
2014	1,260,596	2:00pm
2015	1,284,399	2:00pm
2016	1,279,601	2:00pm
2017	1,280,676	2:00pm
2018	1,286,504	2:00pm
2019	1,272,903	2:00pm

Data for 1999 were lost following the events of 9/11/01

TABLE 23A
TOTAL PRIVATE MOTOR VEHICLES ENTERING AND LEAVING THE HUB
ON A FALL BUSINESS DAY IN YEARS 2017, 2018, AND 2019

HOURS	2017			2018			2019			TOTAL
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND		
12:00am	16,302	20,648	36,950	15,185	21,215	36,400	16,446	22,327		38,773
1:00am	10,297	13,065	23,362	9,385	13,077	22,462	10,212	14,516		24,728
2:00am	7,693	9,118	16,811	7,035	8,951	15,986	7,223	10,231		17,454
3:00am	7,714	7,882	15,596	7,511	7,757	15,268	7,453	9,139		16,592
4:00am	12,022	10,754	22,776	12,427	10,353	22,780	12,269	11,073		23,342
5:00am	27,244	18,456	45,700	28,175	17,185	45,360	28,061	16,271		44,332
6:00am	41,677	27,211	68,888	40,826	26,933	67,759	41,896	24,974		66,870
7:00am	43,242	30,971	74,213	42,084	31,440	73,524	44,305	29,569		73,874
8:00am	41,810	29,755	71,565	41,515	30,458	71,973	43,753	28,775		72,528
9:00am	40,258	27,833	68,091	39,326	28,683	68,009	41,383	28,388		69,771
10:00am	35,748	30,123	65,871	36,577	29,809	66,386	37,905	30,235		68,140
11:00am	33,446	31,623	65,069	33,261	30,326	63,587	35,719	31,312		67,031
12:00pm	31,589	32,863	64,452	31,976	31,622	63,598	33,693	32,718		66,411
1:00pm	31,549	35,313	66,862	32,036	34,207	66,243	33,031	35,535		68,566
2:00pm	32,335	38,313	70,648	33,251	37,033	70,284	34,238	38,363		72,601
3:00pm	33,412	41,771	75,183	33,492	39,362	72,854	34,698	41,428		76,126
4:00pm	33,534	42,171	75,705	34,060	40,159	74,219	34,953	42,148		77,101
5:00pm	33,961	41,358	75,319	34,112	39,143	73,255	35,110	39,585		74,695
6:00pm	34,260	40,899	75,159	35,461	39,067	74,528	37,043	40,255		77,298
7:00pm	33,056	40,409	73,465	34,141	39,193	73,334	35,491	40,636		76,127
8:00pm	31,616	37,974	69,590	31,452	37,977	69,429	33,338	40,356		73,694
9:00pm	30,354	36,691	67,045	30,862	36,303	67,165	32,300	39,302		71,602
10:00pm	30,140	36,108	66,248	29,932	34,794	64,726	31,624	36,979		68,603
11:00pm	24,830	29,879	54,709	24,638	29,482	54,120	25,790	31,610		57,400
TOTAL	698,089	711,188	1,409,277	698,720	694,529	1,393,249	727,934	715,725		1,443,659

TABLE 23B
CUMULATIVE NUMBER OF MOTOR VEHICLES ENTERING AND LEAVING THE HUB
AT PEAK ACCUMULATION, 1990-2019

YEAR	TOTAL ACCUMULATION	AT
1990	101,800	1:00pm
1991	102,300	1:00pm
1992	96,300	1:00pm
1993	94,100	2:00pm
1994	97,100	2:00pm
1995	94,100	2:00pm
1996	93,800	1:00pm
1997	101,000	2:00pm
1998	104,000	2:00pm
2000	102,872	2:00pm
2001	67,093	2:00pm
2002	60,181	2:00pm
2003	86,909	2:00pm
2004	91,551	1:00pm
2005	85,119	1:00pm
2006	89,847	1:00pm
2007	88,629	1:00pm
2008	79,198	1:00pm
2009	78,305	1:00pm
2010	78,173	1:00pm
2011	79,651	1:00pm
2012	81,359	1:00pm
2013	79,753	1:00pm
2014	75,896	1:00pm
2015	78,750	1:00pm
2016	72,867	1:00pm
2017	73,203	1:00pm
2018	67,725	1:00pm
2019	80,998	1:00pm

Data for 1999 were lost following the events of 9/11/01

TABLE 24
TOTAL PERSONS ENTERING THE HUB BY HOUR AND MODE IN 2019

II - 24

HOURS	AUTO/TAXI VAN/TRUCK	SUBWAY	BUSES	SUBURBAN RAIL	FERRY	TRAMWAY	BICYCLE (1)	TOTAL
12:00am	20,729	5,999	450	796	51	4	46	28,075
1:00am	12,832	2,853	547	737	79	3	18	17,069
2:00am	9,093	3,790	384	282	70	0	18	13,637
3:00am	9,349	3,045	406	30	110	0	22	12,962
4:00am	15,315	9,143	1,632	670	640	0	53	27,453
5:00am	33,952	41,032	12,835	4,269	1,848	14	199	94,149
6:00am	49,914	123,887	30,753	26,383	5,121	57	861	236,976
7:00am	53,981	239,996	46,432	60,628	9,328	236	2,001	412,602
8:00am	54,796	401,319	50,512	96,589	12,088	486	3,713	619,503
9:00am	51,917	281,780	25,150	43,790	5,616	375	2,822	411,450
10:00am	47,653	134,608	10,167	17,172	3,201	239	1,867	214,907
11:00am	44,773	96,776	7,303	11,945	2,605	193	1,661	165,256
12:00pm	42,885	87,829	6,995	9,441	2,542	264	1,910	151,866
1:00pm	41,828	85,485	6,860	7,554	2,547	234	1,773	146,281
2:00pm	43,331	93,624	8,690	6,689	2,711	229	1,561	156,835
3:00pm	43,520	112,448	12,017	8,401	2,225	239	1,466	180,316
4:00pm	44,396	119,412	14,947	9,496	2,948	277	1,561	193,037
5:00pm	44,734	130,040	11,552	10,539	2,652	302	2,195	202,014
6:00pm	45,987	95,834	10,486	11,352	2,058	222	2,641	168,580
7:00pm	43,997	59,973	6,111	6,473	1,149	153	2,086	119,942
8:00pm	41,907	36,460	4,257	4,266	834	67	1,637	89,428
9:00pm	40,585	27,007	3,149	3,307	590	70	1,034	75,742
10:00pm	39,829	22,198	2,755	2,621	344	34	671	68,452
11:00pm	32,479	13,454	1,836	1,031	6	18	352	49,176
TOTAL	909,782	2,227,992	276,226	344,461	61,363	3,716	32,168	3,855,708

(1) - Excludes SI Ferry bicyclists

TABLE 25
TOTAL PERSONS LEAVING THE HUB BY HOUR AND MODE IN 2019

HOURS	AUTO/TAXI VAN/TRUCK	SUBWAY	BUSES	SUBURBAN RAIL	FERRY	TRAMWAY	BICYCLE (1)	TOTAL
12:00am	29,512	18,384	2,081	2,838	440	19	240	53,514
1:00am	19,200	15,016	968	1,353	186	8	115	36,846
2:00am	13,505	4,923	721	113	123	0	49	19,434
3:00am	12,056	4,244	204	265	59	0	26	16,854
4:00am	14,500	3,843	705	200	198	0	18	19,464
5:00am	21,276	12,860	1,803	807	336	5	39	37,126
6:00am	32,496	42,158	4,948	3,487	483	45	511	84,128
7:00am	38,721	90,279	9,731	7,337	860	69	803	147,800
8:00am	37,951	103,829	11,405	6,918	1,357	74	1,110	162,644
9:00am	37,802	75,028	11,838	4,794	1,686	116	1,041	132,305
10:00am	39,994	57,823	7,069	4,089	1,711	195	927	111,808
11:00am	41,169	56,830	5,412	5,191	2,072	267	1,351	112,292
12:00pm	43,202	68,431	5,184	6,510	2,460	198	1,678	127,663
1:00pm	46,365	76,513	6,274	7,068	2,559	233	1,644	140,656
2:00pm	50,591	103,139	9,208	12,904	2,905	248	1,502	180,497
3:00pm	53,854	154,453	14,633	21,698	4,159	331	1,636	250,764
4:00pm	55,892	198,067	26,117	39,153	6,918	392	2,034	328,573
5:00pm	53,133	299,630	42,256	80,768	10,353	529	3,561	490,230
6:00pm	54,431	288,344	37,253	59,504	8,872	587	4,611	453,602
7:00pm	54,431	182,384	21,218	29,546	4,723	283	3,371	295,956
8:00pm	53,451	121,378	13,321	17,879	2,387	208	2,539	211,163
9:00pm	52,033	85,594	10,254	13,001	1,678	158	1,750	164,468
10:00pm	48,991	64,402	8,028	10,007	1,067	95	1,339	133,929
11:00pm	41,898	42,740	5,450	5,439	185	44	910	96,666
TOTAL	946,454	2,170,292	256,081	340,869	57,777	4,104	32,805	3,808,382

(1) - Excludes SI Ferry bicyclists

TABLE 26
TOTAL PERSONS ENTERING THE HUB BY HOUR AND SECTOR IN 2019

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR (1)	NEW JERSEY SECTOR	STATEN ISLAND SECTOR (FERRY)	ROOSEVELT ISLAND (TRAMWAY)	TOTAL
12:00am	12,965	8,092	4,092	2,873	49	4	28,075
1:00am	6,920	5,048	2,474	2,545	79	3	17,069
2:00am	4,808	4,373	2,797	1,589	70	0	13,637
3:00am	5,225	3,515	2,487	1,625	110	0	12,962
4:00am	9,476	7,348	6,258	3,731	640	0	27,453
5:00am	27,485	24,266	20,182	20,544	1,658	14	94,149
6:00am	65,450	62,608	59,631	46,014	3,216	57	236,976
7:00am	122,030	110,633	97,665	77,266	4,772	236	412,602
8:00am	183,431	177,652	138,511	114,818	4,605	486	619,503
9:00am	121,402	131,145	87,761	68,830	1,937	375	411,450
10:00am	71,071	67,418	45,133	29,204	1,842	239	214,907
11:00am	60,849	48,974	32,550	21,051	1,639	193	165,256
12:00pm	59,466	44,279	28,560	17,654	1,643	264	151,866
1:00pm	58,239	43,245	26,994	15,837	1,732	234	146,281
2:00pm	63,800	44,362	29,219	17,239	1,986	229	156,835
3:00pm	76,230	48,229	32,637	21,433	1,548	239	180,316
4:00pm	83,224	47,428	33,462	26,552	2,094	277	193,037
5:00pm	88,113	51,237	34,130	26,637	1,595	302	202,014
6:00pm	72,702	41,836	27,449	25,238	1,133	222	168,580
7:00pm	54,611	29,372	19,626	15,404	776	153	119,942
8:00pm	40,703	22,407	14,489	11,122	640	67	89,428
9:00pm	33,204	20,341	12,141	9,522	464	70	75,742
10:00pm	30,673	18,124	11,040	8,283	298	34	68,452
11:00pm	22,623	14,026	7,303	5,206	0	18	49,176
TOTAL	1,374,700	1,075,958	776,591	590,217	34,526	3,716	3,855,708

(1) - Excludes Roosevelt Island passengers.

TABLE 27
TOTAL PERSONS LEAVING THE HUB BY HOUR AND SECTOR IN 2019

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR (1)	NEW JERSEY SECTOR	STATEN ISLAND SECTOR (FERRY)	ROOSEVELT ISLAND (TRAMWAY)	TOTAL
12:00am	16,927	16,450	12,501	7,189	428	19	53,514
1:00am	13,619	12,469	6,891	3,673	186	8	36,846
2:00am	6,641	6,634	3,716	2,320	123	0	19,434
3:00am	6,351	5,644	3,058	1,742	59	0	16,854
4:00am	7,250	5,132	4,127	2,757	198	0	19,464
5:00am	15,165	8,815	7,441	5,364	336	5	37,126
6:00am	37,176	20,274	14,897	11,315	421	45	84,128
7:00am	73,317	31,433	22,197	20,252	532	69	147,800
8:00am	77,223	38,358	21,982	24,302	705	74	162,644
9:00am	62,049	31,275	16,674	20,997	1,194	116	132,305
10:00am	52,146	28,606	15,875	13,590	1,396	195	111,808
11:00am	49,757	29,358	18,830	12,431	1,649	267	112,292
12:00pm	54,809	34,227	22,522	13,902	2,005	198	127,663
1:00pm	59,081	37,702	25,758	15,959	1,923	233	140,656
2:00pm	70,850	48,694	35,836	22,730	2,139	248	180,497
3:00pm	91,378	66,450	57,986	31,687	2,932	331	250,764
4:00pm	106,381	90,630	73,026	54,073	4,071	392	328,573
5:00pm	150,582	129,473	111,398	93,372	4,876	529	490,230
6:00pm	138,782	134,857	95,538	80,126	3,712	587	453,602
7:00pm	90,930	92,374	63,910	46,130	2,329	283	295,956
8:00pm	68,082	65,150	44,288	32,092	1,343	208	211,163
9:00pm	55,824	47,146	34,000	26,395	945	158	164,468
10:00pm	48,299	35,848	28,619	20,331	737	95	133,929
11:00pm	34,589	27,431	21,258	13,319	25	44	96,666
TOTAL	1,387,208	1,044,430	762,328	576,048	34,264	4,104	3,808,382

(1) - Excludes Roosevelt Island passengers.

Appendix III

Hourly Detail Tables - 2019

APPENDIX III- Hourly Detail Tables - 2019

SECTION A
BUS TRANSIT BY SECTOR
SUMMARY, 2019-INBOUND

HOURS	60TH ST SECTOR		BROOKLYN SECTOR		QUEENS SECTOR		N. J. SECTOR		TOTAL ALL SECTORS	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00am	15	54	1	3	2	4	60	389	78	450
1:00am	8	59	1	3	0	0	36	485	45	547
2:00am	9	29	1	9	0	0	18	346	28	384
3:00am	9	51	1	21	0	0	18	334	28	406
4:00am	16	141	6	159	3	32	44	1,300	69	1,632
5:00am	68	865	50	1,397	9	164	267	10,409	394	12,835
6:00am	134	2,450	107	3,236	62	1,735	604	23,332	907	30,753
7:00am	171	3,622	151	5,039	142	3,894	836	33,877	1,300	46,432
8:00am	157	4,044	150	4,926	125	2,958	1,006	38,584	1,438	50,512
9:00am	124	2,394	56	1,573	58	790	670	20,393	908	25,150
10:00am	100	1,588	23	515	30	291	294	7,773	447	10,167
11:00am	96	1,506	17	352	21	217	220	5,228	354	7,303
12:00pm	107	1,740	16	290	22	188	223	4,777	368	6,995
1:00pm	105	1,674	18	322	22	166	206	4,698	351	6,860
2:00pm	112	1,703	16	283	21	153	284	6,551	433	8,690
3:00pm	122	2,343	17	366	22	174	401	9,134	562	12,017
4:00pm	131	2,266	14	218	26	179	578	12,284	749	14,947
5:00pm	108	2,331	13	149	25	168	523	8,904	669	11,552
6:00pm	102	1,633	8	63	25	138	472	8,652	607	10,486
7:00pm	86	952	7	46	19	76	340	5,037	452	6,111
8:00pm	76	699	5	44	18	57	248	3,457	347	4,257
9:00pm	66	516	3	42	14	50	178	2,541	261	3,149
10:00pm	61	493	2	34	9	29	144	2,199	216	2,755
11:00pm	55	351	1	7	4	16	119	1,462	179	1,836
TOTAL	2,038	33,504	684	19,097	679	11,479	7,789	212,146	11,190	276,226

- 1. Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
- 2. Lincoln and Holland Tunnels (NJ Sector) counts include commuter buses.
- 3. New Jersey bus occupancy counts were determined based on Port Authority of NY&NJ bus traffic counts and on the occupancy rates from PANY&NJ 2015 Continuous Bus Survey.
- 4. Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION A
BUS TRANSIT BY SECTOR
SUMMARY, 2019-OUTBOUND

HOURS	60TH ST SECTOR		BROOKLYN SECTOR		QUEENS SECTOR		N. J. SECTOR		TOTAL ALL SECTORS	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00am	16	101	8	89	4	42	73	1,849	101	2,081
1:00am	8	41	1	14	0	0	39	913	48	968
2:00am	9	49	1	9	0	0	25	663	35	721
3:00am	8	42	1	6	0	0	9	156	18	204
4:00am	9	61	0	0	5	17	19	627	33	705
5:00am	21	164	1	7	6	12	104	1,620	132	1,803
6:00am	56	732	1	29	9	25	363	4,162	429	4,948
7:00am	90	1,598	3	73	12	53	625	8,007	730	9,731
8:00am	103	1,573	5	96	18	62	728	9,674	854	11,405
9:00am	129	1,354	7	80	19	69	758	10,335	913	11,838
10:00am	110	1,111	8	80	24	97	329	5,781	471	7,069
11:00am	98	1,474	14	146	23	120	203	3,672	338	5,412
12:00pm	98	1,296	14	200	24	171	166	3,517	302	5,184
1:00pm	102	1,560	17	348	23	184	186	4,182	328	6,274
2:00pm	106	1,887	29	663	24	288	227	6,370	386	9,208
3:00pm	108	2,225	64	1,397	26	421	304	10,590	502	14,633
4:00pm	140	2,791	105	2,913	69	1,280	493	19,133	807	26,117
5:00pm	182	4,279	141	4,489	113	2,659	754	30,829	1,190	42,256
6:00pm	155	3,541	120	3,239	99	2,053	722	28,420	1,096	37,253
7:00pm	132	1,968	65	1,460	54	938	468	16,852	719	21,218
8:00pm	98	1,421	36	813	27	427	307	10,660	468	13,321
9:00pm	87	1,045	25	576	21	253	247	8,380	380	10,254
10:00pm	88	1,042	21	421	14	331	206	6,234	329	8,028
11:00pm	65	682	10	184	16	289	143	4,295	234	5,450
TOTAL	2,018	32,037	697	17,332	630	9,791	7,498	196,921	10,843	256,081

1. Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
 2. Lincoln and Holland Tunnels (NJ Sector) counts include commuter buses.
 3. New Jersey bus occupancy counts were determined based on Port Authority of NY&NJ bus traffic counts and on the occupancy rates from PANY&NJ 2015 Continuous Bus Survey.
 4. Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION A
BUS TRANSIT BY ROUTE
60TH STREET SECTOR 2019 - INBOUND

HOURS	YORK AVENUE		SECOND AVE						LEXINGTON AVENUE						FIFTH AVENUE							
	NYCT LOCAL		NYCT LOCAL		NYCT EXPRESS		TOTAL		NYCT LOCAL		MTA BUS CO.		TOTAL		NYCT LOCAL		MTA BUS CO.		WCDOT *		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUS	PSGRS	BUS	PSGRS	BUSES	PSGRS	BUS	PSGRS	BUS	PSGRS	BUSES	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS
12:00 am	0	0	2	14	0	0	2	14	6	26	0	0	6	26	1	1	2	5	0	0	3	6
1:00am	0	0	2	12	1	23	3	35	3	22	0	0	3	22	1	1	0	0	0	0	1	1
2:00am	0	0	2	7	0	0	2	7	4	15	0	0	4	15	1	2	0	0	0	0	1	2
3:00am	0	0	2	15	0	0	2	15	3	23	0	0	3	23	1	6	0	0	0	0	1	6
4:00am	0	0	4	34	0	0	4	34	6	65	0	0	6	65	1	15	0	0	0	0	1	15
5:00am	2	16	5	41	9	113	14	154	17	93	1	25	18	118	6	84	11	375	2	64	19	523
6:00am	3	38	8	84	14	319	22	403	16	144	3	103	19	247	14	189	40	1,197	3	73	57	1,459
7:00am	5	100	7	107	20	777	27	884	17	306	8	194	25	500	22	544	54	1,064	2	46	78	1,654
8:00am	5	83	7	223	17	887	24	1,110	15	373	6	107	21	480	33	1,155	35	523	1	24	69	1,702
9:00am	8	61	7	145	9	490	16	635	18	337	3	46	21	383	28	696	19	220	1	17	48	933
10:00am	5	58	6	136	7	254	13	390	17	218	3	39	20	257	19	386	14	160	0	0	33	546
11:00am	5	80	5	98	6	168	11	266	16	285	2	27	18	312	20	419	13	116	1	12	34	547
12:00pm	5	81	7	147	10	323	17	470	19	269	2	24	21	293	19	438	13	122	0	0	32	560
1:00pm	6	103	6	103	7	206	13	309	17	233	2	23	19	256	22	468	13	138	0	0	35	606
2:00pm	5	72	6	124	9	263	15	387	19	247	2	17	21	264	23	527	13	104	0	0	36	631
3:00pm	7	168	6	187	10	377	16	564	20	341	2	18	22	359	30	728	13	97	0	0	43	825
4:00pm	7	130	6	155	12	395	18	550	16	270	2	14	18	284	36	754	13	95	0	0	49	849
5:00pm	4	106	6	173	10	477	16	650	18	371	2	22	20	393	24	697	12	84	0	0	36	781
6:00pm	8	142	6	167	7	260	13	427	15	220	2	11	17	231	19	391	12	54	0	0	31	445
7:00pm	6	45	5	84	6	220	11	304	13	141	2	5	15	146	17	240	10	39	0	0	27	279
8:00pm	4	32	5	64	6	209	11	273	14	81	1	4	15	85	12	116	9	38	0	0	21	154
9:00pm	3	15	5	61	4	119	9	180	9	63	1	4	10	67	12	78	9	49	0	0	21	127
10:00pm	4	12	5	82	2	54	7	136	12	116	1	2	13	118	9	54	9	59	0	0	18	113
11:00pm	8	22	5	48	0	0	5	48	10	177	1	1	11	178	6	32	9	21	0	0	15	53
TOTAL	100	1,364	125	2,311	166	5,934	291	8,245	320	4,436	46	686	366	5,122	376	8,021	323	4,560	10	236	709	12,817

* WCDOT refers to Bee-Line buses operated by the Westchester County Department of Transportation.

- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

- See notes on page III-1

SECTION A
60TH STREET SECTOR 2019- INBOUND (CONT'D)

HOURS	BROADWAY				COLUMBUS AVE		WEST END AVENUE		TOTAL								ALL BUSES	
	NYCT LOCAL		MTA BUS CO.		TOTAL		NYCT LOCAL		NYCT LOCAL		NYC TRANSIT		MTA BUS CO.		WC DOT *		ALL BUSES	
	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS
12:00 am	4	8	0	0	4	8	0	0	0	0	13	49	2	5	0	0	15	54
1:00am	1	1	0	0	1	1	0	0	0	0	8	59	0	0	0	0	8	59
2:00am	2	5	0	0	2	5	0	0	0	0	9	29	0	0	0	0	9	29
3:00am	3	7	0	0	3	7	0	0	0	0	9	51	0	0	0	0	9	51
4:00am	5	27	0	0	5	27	0	0	0	0	16	141	0	0	0	0	16	141
5:00am	9	31	0	0	9	31	4	13	2	10	54	401	12	400	2	64	68	865
6:00am	20	159	3	83	23	242	6	27	4	34	85	994	46	1,383	3	73	134	2,450
7:00am	21	246	3	50	24	296	7	105	5	83	104	2,268	65	1,308	2	46	171	3,622
8:00am	25	377	2	36	27	413	6	120	5	136	113	3,354	43	666	1	24	157	4,044
9:00am	19	233	2	25	21	258	6	62	4	62	99	2,086	24	291	1	17	124	2,394
10:00am	20	169	2	20	22	189	4	80	3	68	81	1,369	19	219	0	0	100	1,588
11:00am	18	171	2	19	20	190	4	56	4	55	78	1,332	17	162	1	12	96	1,506
12:00pm	20	161	2	16	22	177	6	90	4	69	90	1,578	17	162	0	0	107	1,740
1:00pm	21	238	2	13	23	251	5	100	4	49	88	1,500	17	174	0	0	105	1,674
2:00pm	21	174	2	14	23	188	7	67	5	94	95	1,568	17	135	0	0	112	1,703
3:00pm	20	167	2	10	22	177	7	134	5	116	105	2,218	17	125	0	0	122	2,343
4:00pm	26	190	2	11	28	201	5	103	6	149	114	2,146	17	120	0	0	131	2,266
5:00pm	22	232	2	10	24	242	3	70	5	89	92	2,215	16	116	0	0	108	2,331
6:00pm	23	210	2	8	25	218	4	84	4	86	86	1,560	16	73	0	0	102	1,633
7:00pm	20	118	2	6	22	124	2	20	3	34	72	902	14	50	0	0	86	952
8:00pm	16	84	2	5	18	89	4	46	3	20	64	652	12	47	0	0	76	699
9:00pm	15	69	2	4	17	73	3	31	3	23	54	459	12	57	0	0	66	516
10:00pm	13	67	2	5	15	72	2	37	2	5	49	427	12	66	0	0	61	493
11:00pm	11	33	1	1	12	34	2	7	2	9	44	328	11	23	0	0	55	351
TOTAL	375	3,177	37	336	412	3,513	87	1,252	73	1,191	1,622	27,686	406	5,582	10	236	2,038	33,504

* WCDOT refers to Bee-Line buses operated by the Westchester County Department of Transportation.

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- See notes on page III-1

SECTION A
BUS TRANSIT BY ROUTE
60TH STREET SECTOR 2019-OUTBOUND

HOURS	YORK AVENUE		FIRST AVENUE						THIRD AVENUE						MADISON AVENUE							
	NYCT LOCAL		NYCT LOCAL		NYCT EXPRESS		TOTAL		NYCT LOCAL		MTA BUS CO.		TOTAL		NYCT LOCAL		MTA BUS CO.		WCDOT *			
	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS		
III 5	12:00 am	1	0	3	50	0	0	3	50	3	22	0	0	3	22	3	13	0	0	0	0	
	1:00am	0	0	2	13	0	0	2	13	4	24	0	0	4	24	0	0	0	0	0	0	
	2:00am	0	0	2	10	0	0	2	10	3	22	0	0	3	22	2	13	0	0	0	2	
	3:00am	0	0	2	13	0	0	2	13	3	13	0	0	3	13	1	14	0	0	0	1	
	4:00am	0	0	2	23	0	0	2	23	3	28	0	0	3	28	1	8	0	0	0	8	
	5:00am	1	0	3	50	1	40	4	90	8	49	0	0	8	49	2	10	0	0	0	10	
	6:00am	3	39	3	48	7	327	10	375	16	132	1	3	17	135	4	59	2	8	0	67	
	7:00am	5	92	6	149	10	600	16	749	15	266	2	3	17	269	14	209	10	46	0	24	
	8:00am	5	50	6	150	18	576	24	726	13	308	2	5	15	313	18	254	12	21	0	275	
	9:00am	8	54	7	129	18	341	25	470	18	296	2	1	20	297	27	314	12	18	0	39	
	10:00am	7	48	7	116	10	223	17	339	13	176	2	1	15	177	27	306	12	28	0	39	
	11:00am	3	43	6	99	11	453	17	552	15	316	2	4	17	320	19	297	13	47	0	344	
	12:00pm	7	68	7	139	6	216	13	355	15	237	2	5	17	242	19	320	12	38	0	358	
	1:00pm	4	46	6	136	7	260	13	396	19	300	2	9	21	309	21	410	14	96	1	516	
	2:00pm	5	60	6	171	9	351	15	522	18	361	3	7	21	368	20	406	13	134	0	540	
	3:00pm	5	89	6	203	5	298	11	501	16	417	3	8	19	425	22	478	16	267	1	21	
	4:00pm	6	85	7	219	10	501	17	720	17	386	3	14	20	400	26	513	31	492	2	59	
	5:00pm	8	126	7	276	11	523	18	799	20	658	5	37	25	695	32	852	55	1,103	2	49	
	6:00pm	6	156	6	188	13	502	19	690	18	514	2	13	20	527	34	870	38	771	2	47	
	7:00pm	7	76	7	156	10	251	17	407	17	264	4	15	21	279	22	349	29	496	1	52	
	8:00pm	6	75	6	95	9	300	15	395	15	188	3	22	18	210	17	202	15	241	1	463	
	9:00pm	5	45	6	76	5	165	11	241	14	153	1	9	15	162	14	183	13	166	0	349	
	10:00pm	4	43	6	88	6	190	12	278	13	119	1	5	14	124	14	179	11	193	0	372	
	11:00pm	3	71	6	78	3	150	9	228	9	78	0	0	9	78	8	103	0	0	0	103	
TOTAL	99	1,266	125	2,675	169	6,267	294	8,942	305	5,327	40	161	345	5,488	367	6,362	308	4,165	10	200	685	10,727

* WCDOT refers to Bee-Line buses operated by the Westchester County Department of Transportation.

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- See notes on page III-1

SECTION A
60TH STREET SECTOR 2019-OUTBOUND (CONT'D)

HOURS	CP West *		BROADWAY				AMSTERDAM AVE.		WEST END AVE		TOTAL										
	NYCT LOCAL		NYCT LOCAL		MTA BUS CO.		TOTAL		NYCT LOCAL		NYCT LOCAL		NYC TRANSIT		MTA BUS CO.		WCDOT **		ALL		
	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	
III 9-6	12:00 am	2	3	4	13	0	0	4	13	0	0	0	0	16	101	0	0	0	0	16	101
	1:00am	0	0	2	4	0	0	2	4	0	0	0	0	8	41	0	0	0	0	8	41
	2:00am	0	0	2	4	0	0	2	4	0	0	0	0	9	49	0	0	0	0	9	49
	3:00am	0	0	2	2	0	0	2	2	0	0	0	0	8	42	0	0	0	0	8	42
	4:00am	0	0	3	2	0	0	3	2	0	0	0	0	9	61	0	0	0	0	9	61
	5:00am	1	0	4	14	0	0	4	14	0	0	1	1	21	164	0	0	0	0	21	164
	6:00am	3	1	8	31	0	0	8	31	6	63	3	21	53	721	3	11	0	0	56	732
	7:00am	7	20	13	82	1	4	14	86	3	62	4	65	77	1,545	13	53	0	0	90	1,598
	8:00am	5	4	14	101	2	0	16	101	3	62	5	42	87	1,547	16	26	0	0	103	1,573
	9:00am	7	12	16	91	2	1	18	92	7	66	5	31	113	1,334	16	20	0	0	129	1,354
	10:00am	4	7	15	88	2	0	17	88	6	86	5	32	94	1,082	16	29	0	0	110	1,111
	11:00am	6	15	14	114	2	3	16	117	3	51	4	32	81	1,420	17	54	0	0	98	1,474
	12:00pm	5	11	14	139	2	3	16	142	4	86	5	34	82	1,250	16	46	0	0	98	1,296
	1:00pm	6	21	14	144	2	8	16	152	2	82	4	38	83	1,437	18	113	1	10	102	1,560
	2:00pm	7	26	15	187	2	8	17	195	5	125	3	51	88	1,738	18	149	0	0	106	1,887
	3:00pm	7	30	17	204	1	2	18	206	4	124	5	84	87	1,927	20	277	1	21	108	2,225
	4:00pm	10	53	17	232	2	10	19	242	4	161	5	88	102	2,238	36	516	2	37	140	2,791
	5:00pm	7	32	18	291	3	12	21	303	6	198	8	122	117	3,078	63	1,152	2	49	182	4,279
	6:00pm	8	34	15	186	3	27	18	213	5	167	5	66	110	2,683	43	811	2	47	155	3,541
	7:00pm	8	36	15	139	2	12	17	151	3	85	7	73	96	1,429	35	523	1	16	132	1,968
	8:00pm	4	13	12	123	2	13	14	136	4	75	4	54	77	1,125	20	276	1	20	98	1,421
	9:00pm	8	35	11	94	2	13	13	107	4	62	4	44	71	857	16	188	0	0	87	1,045
	10:00pm	12	46	10	81	2	13	12	94	6	55	3	30	74	831	14	211	0	0	88	1,042
	11:00pm	13	34	8	46	0	0	8	46	8	87	7	35	65	682	0	0	0	0	65	682
TOTAL	130	433	263	2,412	32	129	295	2,541	83	1,697	87	943	1,628	27,382	380	4,455	10	200	2,018	32,037	

* Central Park West ** WCDOT refers to Bee-Line buses operated by the Westchester County Department of Transportation.

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- See notes on page III-1

SECTION A
BUS TRANSIT BY ROUTE
BROOKLYN SECTOR 2019-INBOUND

HOURS	HUGH L. CAREY TUNNEL(Express)						WILLIAMSBURG BRIDGE (Local)				TOTAL					
	NYC Transit		MTA Bus Co		TOTAL		NYC Transit		TOTAL		NYC Transit		MTA Bus Co		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	1	3	0	0	1	3	0	0	0	0	1	3	0	0	1	3
1:00am	1	3	0	0	1	3	0	0	0	0	1	3	0	0	1	3
2:00am	1	9	0	0	1	9	0	0	0	0	1	9	0	0	1	9
3:00am	1	21	0	0	1	21	0	0	0	0	1	21	0	0	1	21
4:00am	6	159	0	0	6	159	0	0	0	0	6	159	0	0	6	159
5:00am	48	1,321	2	76	50	1,397	0	0	0	0	48	1,321	2	76	50	1,397
6:00am	96	2,911	11	325	107	3,236	0	0	0	0	96	2,911	11	325	107	3,236
7:00am	129	4,441	20	590	149	5,031	2	8	2	8	131	4,449	20	590	151	5,039
8:00am	125	4,416	23	501	148	4,917	2	9	2	9	127	4,425	23	501	150	4,926
9:00am	47	1,441	8	120	55	1,561	1	12	1	12	48	1,453	8	120	56	1,573
10:00am	17	452	5	51	22	503	1	12	1	12	18	464	5	51	23	515
11:00am	13	319	2	18	15	337	2	15	2	15	15	334	2	18	17	352
12:00pm	11	246	4	40	15	286	1	4	1	4	12	250	4	40	16	290
1:00pm	13	281	4	25	17	306	1	16	1	16	14	297	4	25	18	322
2:00pm	11	248	3	13	14	261	2	22	2	22	13	270	3	13	16	283
3:00pm	13	339	2	13	15	352	2	14	2	14	15	353	2	13	17	366
4:00pm	11	196	1	4	12	200	2	18	2	18	13	214	1	4	14	218
5:00pm	11	131	0	0	11	131	2	18	2	18	13	149	0	0	13	149
6:00pm	6	46	0	0	6	46	2	17	2	17	8	63	0	0	8	63
7:00pm	5	40	0	0	5	40	2	6	2	6	7	46	0	0	7	46
8:00pm	3	36	0	0	3	36	2	8	2	8	5	44	0	0	5	44
9:00pm	2	40	0	0	2	40	1	2	1	2	3	42	0	0	3	42
10:00pm	2	34	0	0	2	34	0	0	0	0	2	34	0	0	2	34
11:00pm	1	7	0	0	1	7	0	0	0	0	1	7	0	0	1	7
TOTAL	574	17,140	85	1,776	659	18,916	25	181	25	181	599	17,321	85	1,776	684	19,097

- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

- See notes on page III-1

SECTION A
BUS TRANSIT BY ROUTE
BROOKLYN SECTOR 2019-OUTBOUND

HOURS	HUGH L. CAREY TUNNEL(Express)						WILLIAMSBURG BRIDGE (Local)				TOTAL						
	NYC Transit		MTA Bus Co		TOTAL		NYC Transit		TOTAL		NYC Transit		MTA Bus Co		TOTAL		
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	
III 8	12:00 am	6	68	2	21	8	89	0	0	0	0	6	68	2	21	8	89
	1:00am	1	14	0	0	1	14	0	0	0	0	1	14	0	0	1	14
	2:00am	1	9	0	0	1	9	0	0	0	0	1	9	0	0	1	9
	3:00am	1	6	0	0	1	6	0	0	0	0	1	6	0	0	1	6
	4:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00am	1	7	0	0	1	7	0	0	0	0	1	7	0	0	1	7
	6:00am	1	29	0	0	1	29	0	0	0	0	1	29	0	0	1	29
	7:00am	2	64	0	0	2	64	1	9	1	9	3	73	0	0	3	73
	8:00am	3	82	0	0	3	82	2	14	2	14	5	96	0	0	5	96
	9:00am	6	76	0	0	6	76	1	4	1	4	7	80	0	0	7	80
	10:00am	6	63	0	0	6	63	2	17	2	17	8	80	0	0	8	80
	11:00am	10	129	2	8	12	137	2	9	2	9	12	138	2	8	14	146
	12:00pm	9	178	4	19	13	197	1	3	1	3	10	181	4	19	14	200
	1:00pm	11	312	4	21	15	333	2	15	2	15	13	327	4	21	17	348
	2:00pm	22	601	5	42	27	643	2	20	2	20	24	621	5	42	29	663
	3:00pm	54	1,267	8	116	62	1,383	2	14	2	14	56	1,281	8	116	64	1,397
	4:00pm	89	2,677	14	221	103	2,898	2	15	2	15	91	2,692	14	221	105	2,913
	5:00pm	119	4,096	20	389	139	4,485	2	4	2	4	121	4,100	20	389	141	4,489
	6:00pm	102	2,970	16	264	118	3,234	2	5	2	5	104	2,975	16	264	120	3,239
	7:00pm	55	1,337	8	121	63	1,458	2	2	2	2	57	1,339	8	121	65	1,460
	8:00pm	27	728	7	83	34	811	2	2	2	2	29	730	7	83	36	813
	9:00pm	20	534	3	38	23	572	2	4	2	4	22	538	3	38	25	576
	10:00pm	17	387	4	34	21	421	0	0	0	0	17	387	4	34	21	421
	11:00pm	8	156	2	28	10	184	0	0	0	0	8	156	2	28	10	184
TOTAL	571	15,790	99	1,405	670	17,195	27	137	27	137	598	15,927	99	1,405	697	17,332	

- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

- See notes on page III-1

SECTION A
BUS TRANSIT BY ROUTE
QUEENS SECTOR 2019-INBOUND

HOURS	ED KOCH QUEENSBORO BRIDGE					QUEENS MIDTOWN TUNNEL					TOTAL					
	NYC Transit		MTA Bus Co		TOTAL	NYC Transit		MTA Bus Co		TOTAL	NYC Transit		MTA Bus Co		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
III 6	12:00 am	2	4	0	0	2	4	0	0	0	0	0	0	2	4	
	1:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4:00am	0	0	3	32	3	32	0	0	0	0	0	0	3	32	
	5:00am	0	0	7	121	7	121	0	0	2	43	2	43	0	0	
	6:00am	4	83	7	95	11	178	6	194	45	1,363	51	1,557	10	277	
	7:00am	6	125	8	83	14	208	10	277	118	3,409	128	3,686	16	402	
	8:00am	5	121	12	109	17	230	10	252	98	2,476	108	2,728	15	373	
	9:00am	6	86	11	75	17	161	4	54	37	575	41	629	10	140	
	10:00am	5	82	13	51	18	133	0	0	12	158	12	158	5	82	
	11:00am	5	72	7	31	12	103	0	0	9	114	9	114	5	72	
	12:00pm	5	68	9	46	14	114	0	0	8	74	8	74	5	68	
	1:00pm	5	70	9	34	14	104	0	0	8	62	8	62	5	70	
	2:00pm	5	60	8	37	13	97	0	0	8	56	8	56	5	60	
	3:00pm	6	87	9	43	15	130	0	0	7	44	7	44	6	87	
	4:00pm	7	82	12	44	19	126	0	0	7	53	7	53	7	82	
	5:00pm	7	85	10	38	17	123	0	0	8	45	8	45	7	85	
	6:00pm	7	66	13	51	20	117	0	0	5	21	5	21	7	66	
	7:00pm	5	43	10	25	15	68	0	0	4	8	4	8	5	43	
	8:00pm	4	31	9	15	13	46	0	0	5	11	5	11	4	31	
	9:00pm	4	22	6	15	10	37	0	0	4	13	4	13	4	22	
	10:00pm	3	19	5	9	8	28	0	0	1	1	1	1	3	19	
	11:00pm	3	14	0	0	3	14	0	0	1	2	1	2	3	14	
TOTAL		94	1,220	168	954	262	2,174	30	777	387	8,528	417	9,305	124	1,997	

- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

- See notes on page III-1

SECTION A
BUS TRANSIT BY ROUTE
QUEENS SECTOR 2019-OUTBOUND

HOURS	ED KOCH QUEENSBORO BRIDGE								QUEENS MIDTOWN TUNNEL				TOTAL								
	NYC Transit (Local)		NYC Transit (Express)		MTA Bus Co (Local)		MTA Bus Co (Express)		TOTAL		MTA Bus Co.		TOTAL		NYC Transit		MTA Bus Co		TOTAL		
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	
III - 10	12:00 am	1	16	0	0	0	0	3	26	4	42	0	0	0	0	1	16	3	26	4	42
	1:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00am	1	4	0	0	4	13	0	0	5	17	0	0	0	0	1	4	4	13	5	17
	5:00am	2	5	0	0	4	7	0	0	6	12	0	0	0	0	2	5	4	7	6	12
	6:00am	2	8	0	0	7	17	0	0	9	25	0	0	0	0	2	8	7	17	9	25
	7:00am	4	32	0	0	8	21	0	0	12	53	0	0	0	0	4	32	8	21	12	53
	8:00am	3	9	0	0	10	37	5	16	18	62	0	0	0	0	3	9	15	53	18	62
	9:00am	4	23	0	0	9	34	6	12	19	69	0	0	0	0	4	23	15	46	19	69
	10:00am	5	38	0	0	11	35	8	24	24	97	0	0	0	0	5	38	19	59	24	97
	11:00am	5	48	0	0	10	44	8	28	23	120	0	0	0	0	5	48	18	72	23	120
	12:00pm	6	73	0	0	9	43	8	50	23	166	1	5	1	5	6	73	18	98	24	171
	1:00pm	5	60	0	0	9	50	8	68	22	178	1	6	1	6	5	60	18	124	23	184
	2:00pm	5	102	0	0	9	74	8	93	22	269	2	19	2	19	5	102	19	186	24	288
	3:00pm	5	98	0	0	7	81	11	191	23	370	3	51	3	51	5	98	21	323	26	421
	4:00pm	6	167	6	140	9	132	39	641	60	1,080	9	200	9	200	12	307	57	973	69	1,280
	5:00pm	6	223	11	306	11	143	69	1,550	97	2,222	16	437	16	437	17	529	96	2,130	113	2,659
	6:00pm	8	226	7	185	12	138	59	1,192	86	1,741	13	312	13	312	15	411	84	1,642	99	2,053
	7:00pm	6	157	5	104	6	49	29	483	46	793	8	145	8	145	11	261	43	677	54	938
	8:00pm	6	121	1	14	9	63	10	216	26	414	1	13	1	13	7	135	20	292	27	427
	9:00pm	5	62	0	0	8	61	7	115	20	238	1	15	1	15	5	62	16	191	21	253
	10:00pm	3	152	0	0	4	83	6	87	13	322	1	9	1	9	3	152	11	179	14	331
	11:00pm	8	185	0	0	1	23	6	69	15	277	1	12	1	12	8	185	8	104	16	289
TOTAL	96	1,809	30	749	157	1,148	290	4,861	573	8,567	57	1,224	57	1,224	126	2,558	504	7,233	630	9,791	

- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

- See notes on page III-1

SECTION A
BUS TRANSIT BY ROUTE
NEW JERSEY SECTOR

2019-INBOUND

HOURS	HOLLAND TUNNEL		LINCOLN TUNNEL		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	2	13	58	376	60	389
1:00am	6	81	30	404	36	485
2:00am	9	173	9	173	18	346
3:00am	4	74	14	260	18	334
4:00am	8	280	36	1,020	44	1,300
5:00am	19	746	248	9,663	267	10,409
6:00am	50	2,010	554	21,322	604	23,332
7:00am	48	1,675	788	32,202	836	33,877
8:00am	47	1,606	959	36,978	1,006	38,584
9:00am	43	1,140	627	19,253	670	20,393
10:00am	17	459	277	7,314	294	7,773
11:00am	12	285	208	4,943	220	5,228
12:00pm	16	343	207	4,434	223	4,777
1:00pm	12	274	194	4,424	206	4,698
2:00pm	19	438	265	6,113	284	6,551
3:00pm	37	843	364	8,291	401	9,134
4:00pm	59	1,254	519	11,030	578	12,284
5:00pm	32	545	491	8,359	523	8,904
6:00pm	21	385	451	8,267	472	8,652
7:00pm	16	237	324	4,800	340	5,037
8:00pm	10	139	238	3,318	248	3,457
9:00pm	9	128	169	2,413	178	2,541
10:00pm	9	137	135	2,062	144	2,199
11:00pm	3	37	116	1,425	119	1,462
TOTAL	508	13,302	7,281	198,844	7,789	212,146

2019-OUTBOUND

HOURS	HOLLAND TUNNEL		LINCOLN TUNNEL		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	0	6	73	1,843	73	1,849
1:00am	2	36	37	877	39	913
2:00am	2	53	23	610	25	663
3:00am	1	18	8	138	9	156
4:00am	1	25	18	602	19	627
5:00am	13	196	91	1,424	104	1,620
6:00am	17	192	346	3,970	363	4,162
7:00am	22	282	603	7,725	625	8,007
8:00am	51	678	677	8,996	728	9,674
9:00am	43	580	715	9,755	758	10,335
10:00am	16	281	313	5,500	329	5,781
11:00am	6	108	197	3,564	203	3,672
12:00pm	10	202	156	3,315	166	3,517
1:00pm	12	275	174	3,907	186	4,182
2:00pm	13	306	214	6,064	227	6,370
3:00pm	18	481	286	10,109	304	10,590
4:00pm	25	860	468	18,273	493	19,133
5:00pm	37	1,202	717	29,627	754	30,829
6:00pm	30	878	692	27,542	722	28,420
7:00pm	18	450	450	16,402	468	16,852
8:00pm	21	441	286	10,219	307	10,660
9:00pm	12	399	235	7,981	247	8,380
10:00pm	13	380	193	5,854	206	6,234
11:00pm	9	270	134	4,025	143	4,295
TOTAL	392	8,599	7,106	188,322	7,498	196,921

Notes: 1. New Jersey bus occupancy counts were determined based on Port Authority of NY&NJ bus traffic counts and on the occupancy rates from PANY&NJ 2015 Continuous Bus Survey -adjusted estimates.

2. New Jersey Sector - Lincoln and Holland Tunnels (LTHT) counts include commuter buses.

3. LTHT westbound data are collected using miovision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound and westbound volumes.

Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION A
EXPRESS BUS RIDERSHIP BY SECTOR AND OPERATOR
2019-INBOUND EXPRESS ONLY

HOURS	60TH ST SECTOR					BROOKLYN SECTOR				QUEENS SECTOR				N. J. SECTOR		TOTAL ALL SECTORS			
	NYC TRANSIT		MTA BUS CO.		WCDOT	NYC TRANSIT		MTA BUS CO.		NYC TRANSIT		MTA BUS CO.		OTHER OPERATORS					
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	
III - 12	12:00am	0	0	2	5	0	0	1	3	0	0	0	0	60	389	63	397		
	1:00am	1	23	0	0	0	0	1	3	0	0	0	0	36	485	38	511		
	2:00am	0	0	0	0	0	0	1	9	0	0	0	0	18	346	19	355		
	3:00am	0	0	0	0	0	0	1	21	0	0	0	0	18	334	19	355		
	4:00am	0	0	0	0	0	0	6	159	0	0	0	0	44	1,300	50	1,459		
	5:00am	9	113	12	400	2	64	48	1,321	2	76	0	0	2	43	267	10,409	342	12,426
	6:00am	14	319	46	1,383	3	73	96	2,911	11	325	6	194	45	1,363	604	23,332	825	29,900
	7:00am	20	777	65	1,308	2	46	129	4,441	20	590	10	277	118	3,409	836	33,877	1,200	44,725
	8:00am	17	887	43	666	1	24	125	4,416	23	501	10	252	98	2,476	1,006	38,584	1,323	47,806
	9:00am	9	490	24	291	1	17	47	1,441	8	120	4	54	37	575	670	20,393	800	23,381
	10:00am	7	254	19	219	0	0	17	452	5	51	0	0	12	158	294	7,773	354	8,907
	11:00am	6	168	17	162	1	12	13	319	2	18	0	0	9	114	220	5,228	268	6,021
	12:00pm	10	323	17	162	0	0	11	246	4	40	0	0	8	74	223	4,777	273	5,622
	1:00pm	7	206	17	174	0	0	13	281	4	25	0	0	8	62	206	4,698	255	5,446
	2:00pm	9	263	17	135	0	0	11	248	3	13	0	0	8	56	284	6,551	332	7,266
	3:00pm	10	377	17	125	0	0	13	339	2	13	0	0	7	44	401	9,134	450	10,032
	4:00pm	12	395	17	120	0	0	11	196	1	4	0	0	7	53	578	12,284	626	13,052
	5:00pm	10	477	16	116	0	0	11	131	0	0	0	0	8	45	523	8,904	568	9,673
	6:00pm	7	260	16	73	0	0	6	46	0	0	0	0	5	21	472	8,652	506	9,052
	7:00pm	6	220	14	50	0	0	5	40	0	0	0	0	4	8	340	5,037	369	5,355
	8:00pm	6	209	12	47	0	0	3	36	0	0	0	0	5	11	248	3,457	274	3,760
	9:00pm	4	119	12	57	0	0	2	40	0	0	0	0	4	13	178	2,541	200	2,770
	10:00pm	2	54	12	66	0	0	2	34	0	0	0	0	1	1	144	2,199	161	2,354
	11:00pm	0	0	11	23	0	0	1	7	0	0	0	0	1	2	119	1,462	132	1,494
TOTAL	166	5,934	406	5,582	10	236	574	17,140	85	1,776	30	777	387	8,528	7,789	212,146	9,447	252,119	

Notes:

1. Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors, belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
2. Buses crossing NJ Sector were counted at the toll facilities which include all the buses.
3. New Jersey bus occupancy counts were determined based on Port Authority of NY&NJ bus traffic counts and on the occupancy rates from PANY&NJ 2015 Continuous Bus Survey.
4. Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION A
EXPRESS BUS RIDERSHIP BY SECTOR AND OPERATOR
2019-OUTBOUND EXPRESS ONLY

HOURS	60TH ST SECTOR					BROOKLYN SECTOR				QUEENS SECTOR				N. J. SECTOR		TOTAL ALL SECTORS			
	NYC TRANSIT		MTA BUS CO.		WCDOT	NYC TRANSIT		MTA BUS CO.		NYC TRANSIT		MTA BUS CO.		OTHER OPERATORS		BUSES	PSGRS		
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	
III - 13	12:00am	0	0	0	0	0	6	68	2	21	0	0	3	26	73	1,849	84	1,964	
	1:00am	0	0	0	0	0	1	14	0	0	0	0	0	0	39	913	40	927	
	2:00am	0	0	0	0	0	1	9	0	0	0	0	0	0	25	663	26	672	
	3:00am	0	0	0	0	0	1	6	0	0	0	0	0	0	9	156	10	162	
	4:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	19	627	19	627	
	5:00am	1	40	0	0	0	1	7	0	0	0	0	0	0	104	1,620	106	1,667	
	6:00am	7	327	3	11	0	1	29	0	0	0	0	0	0	363	4,162	374	4,529	
	7:00am	10	600	13	53	0	2	64	0	0	0	0	0	0	625	8,007	650	8,724	
	8:00am	18	576	16	26	0	3	82	0	0	0	0	5	16	728	9,674	770	10,374	
	9:00am	18	341	16	20	0	6	76	0	0	0	0	6	12	758	10,335	804	10,784	
	10:00am	10	223	16	29	0	6	63	0	0	0	0	8	24	329	5,781	369	6,120	
	11:00am	11	453	17	54	0	10	129	2	8	0	0	8	28	203	3,672	251	4,344	
	12:00pm	6	216	16	46	0	9	178	4	19	0	0	9	55	166	3,517	210	4,031	
	1:00pm	7	260	18	113	1	10	312	4	21	0	0	9	74	186	4,182	236	4,972	
	2:00pm	9	351	18	149	0	22	601	5	42	0	0	10	112	227	6,370	291	7,625	
	3:00pm	5	298	20	277	1	21	54	1,267	8	116	0	0	14	242	304	10,590	406	12,811
	4:00pm	10	501	36	516	2	37	89	2,677	14	221	6	140	48	841	493	19,133	698	24,066
	5:00pm	11	523	63	1,152	2	49	119	4,096	20	389	11	306	85	1,987	754	30,829	1,065	39,331
	6:00pm	13	502	43	811	2	47	102	2,970	16	264	7	185	72	1,504	722	28,420	977	34,703
	7:00pm	10	251	35	523	1	16	55	1,337	8	121	5	104	37	628	468	16,852	619	19,832
	8:00pm	9	300	20	276	1	20	27	728	7	83	1	14	11	229	307	10,660	383	12,310
	9:00pm	5	165	16	188	0	0	20	534	3	38	0	0	8	130	247	8,380	299	9,435
	10:00pm	6	190	14	211	0	0	17	387	4	34	0	0	7	96	206	6,234	254	7,152
	11:00pm	3	150	0	0	0	8	156	2	28	0	0	7	81	143	4,295	163	4,710	
TOTAL	169	6,267	380	4,455	10	200	571	15,790	99	1,405	30	749	347	6,085	7,498	196,921	9,104	231,872	

Notes:

1. Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors, belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
2. Buses crossing NJ Sector were counted at the toll facilities which include all the buses.
3. New Jersey bus occupancy counts were determined based on Port Authority of NY&NJ bus traffic counts and on the occupancy rates from PANY&NJ 2015 Continuous Bus Survey.
4. Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION A
MTA BUS CO. EXPRESS BUS RIDERSHIP
BY ROUTE - ORIGINAL DATA
2019

Route	Daily	12am-6am	6am-9am	9am-4pm	4pm-7pm	7pm-12am
BM1	1,052	38	476	157	276	105
BM2	762	10	308	101	232	111
BM3	823	49	344	137	223	70
BM4	544	0	288	91	147	18
BM5	682	0	274	89	225	94
BxM1	847	25	415	229	111	67
BxM10	1,265	40	362	235	381	247
BxM11	792	35	232	135	251	139
BxM18	223	0	138	0	72	13
BxM2	465	0	173	142	78	72
BxM3	523	0	225	103	131	64
BxM4	333	0	126	64	84	59
BxM6	559	0	180	92	173	114
BxM7	1,998	131	540	413	585	329
BxM8	1,300	38	442	209	441	170
BxM9	1,732	136	614	334	481	167
QM1	296	0	206	0	74	16
QM10	171	0	96	16	54	5
QM11	429	0	223	40	148	18
QM12	231	0	163	21	41	6
QM15	1,503	0	767	231	367	138
QM16	527	0	326	0	184	17
QM17	453	0	259	0	175	19
QM18	210	0	112	10	75	13
QM2	1,260	0	443	278	352	187
QM20	1,069	0	512	146	302	109
QM21	241	0	108	13	79	41
QM24	491	0	340	28	111	12
QM25	404	0	236	16	142	10
QM3	120	0	67	0	53	0
QM31	217	0	86	17	114	0
QM32	494	0	270	23	187	14
QM34	535	0	294	23	204	14
QM35	520	0	297	31	168	24
QM36	241	0	152	0	89	0
QM4	489	6	239	87	95	62
QM40	133	0	63	10	54	6
QM42	195	0	122	10	54	9
QM44	164	0	88	18	58	0
QM5	1,450	42	490	301	410	207
QM6	820	8	351	153	202	106
QM7	679	13	405	69	159	33
QM8	589	0	275	0	275	39
Total	27,831	571	12,127	4,072	8,117	2,944

SECTION B
SUBWAY BY SECTOR
SUMMARY, 2019-INBOUND

HOURS	60TH STREET SECTOR			BROOKLYN SECTOR			QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL ALL SECTORS		
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	24	214	3,418	19	154	1,509	12	125	901	4	30	171	59	523	5,999
1:00am	24	222	1,320	14	112	878	8	82	576	3	22	79	49	438	2,853
2:00am	23	212	932	20	166	1,582	10	104	1,204	4	30	72	57	512	3,790
3:00am	25	232	1,390	18	152	966	8	83	591	3	23	98	54	490	3,045
4:00am	25	234	3,887	21	182	2,940	10	103	2,126	3	22	190	59	541	9,143
5:00am	42	392	14,826	46	398	13,750	22	212	10,543	6	46	1,913	116	1,048	41,032
6:00am	71	656	38,140	88	770	44,641	60	587	34,926	22	162	6,180	241	2,175	123,887
7:00am	101	944	75,885	127	1,116	89,161	71	699	58,613	37	272	16,337	336	3,031	239,996
8:00am	121	1,132	119,683	154	1,350	155,316	89	875	90,308	50	367	36,012	414	3,724	401,319
9:00am	102	946	80,911	128	1,128	112,756	71	690	62,325	44	322	25,788	345	3,086	281,780
10:00am	85	788	42,852	107	950	52,358	54	518	30,795	25	182	8,603	271	2,438	134,608
11:00am	87	808	35,100	104	926	35,946	53	507	20,738	21	151	4,992	265	2,392	96,776
12:00pm	89	826	34,887	106	938	31,764	56	532	17,305	21	151	3,873	272	2,447	87,829
1:00pm	88	818	35,189	104	924	30,760	53	507	16,381	21	151	3,155	266	2,400	85,485
2:00pm	84	776	40,701	102	908	31,790	54	515	18,080	21	151	3,053	261	2,350	93,624
3:00pm	90	836	52,506	116	1,032	35,818	59	565	20,923	22	159	3,201	287	2,592	112,448
4:00pm	117	1,086	58,286	135	1,200	35,358	70	679	21,236	30	220	4,532	352	3,185	119,412
5:00pm	115	1,064	61,294	139	1,236	38,307	73	714	22,195	45	329	8,244	372	3,343	130,040
6:00pm	91	844	45,069	125	1,120	29,430	69	667	14,541	42	308	6,794	327	2,939	95,834
7:00pm	98	910	30,509	111	984	17,288	65	627	9,030	34	249	3,146	308	2,770	59,973
8:00pm	76	702	18,909	101	904	10,255	58	561	5,785	23	167	1,511	258	2,334	36,460
9:00pm	61	568	12,988	77	686	8,291	47	468	4,733	21	152	995	206	1,874	27,007
10:00pm	52	480	11,208	59	520	6,474	34	350	3,743	18	130	773	163	1,480	22,198
11:00pm	35	324	7,053	46	402	4,110	19	201	1,983	7	51	308	107	978	13,454
TOTAL	1,726	16,014	826,943	2,067	18,258	791,448	1,125	10,971	469,581	527	3,847	140,020	5,445	49,090	2,227,992

Note: Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B
SUBWAY BY SECTOR
SUMMARY, 2019-OUTBOUND

III - 16

HOURS	60TH STREET SECTOR			BROOKLYN SECTOR			QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL ALL SECTORS		
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	15	130	5,816	27	228	6,179	16	167	5,511	3	22	878	61	547	18,384
1:00am	14	128	7,094	27	236	5,055	10	103	2,539	4	30	328	55	497	15,016
2:00am	18	166	2,190	20	178	1,403	8	83	1,101	3	23	229	49	450	4,923
3:00am	23	216	2,134	23	206	1,215	9	93	725	3	22	170	58	537	4,244
4:00am	21	200	1,769	20	182	935	9	93	960	4	30	179	54	505	3,843
5:00am	27	252	5,773	35	318	4,027	17	164	2,653	5	38	407	84	772	12,860
6:00am	42	390	19,723	79	704	13,088	38	376	7,931	24	176	1,416	183	1,646	42,158
7:00am	86	782	48,809	115	1,024	23,085	68	671	14,584	38	280	3,801	307	2,757	90,279
8:00am	111	1,022	53,326	142	1,264	28,990	76	750	14,365	49	358	7,148	378	3,394	103,829
9:00am	121	1,126	39,195	138	1,222	21,400	74	716	10,600	39	285	3,833	372	3,349	75,028
10:00am	98	906	30,091	123	1,082	17,834	60	573	8,314	23	166	1,584	304	2,727	57,823
11:00am	93	864	27,562	100	890	18,014	52	496	9,739	21	151	1,515	266	2,401	56,830
12:00pm	84	784	31,655	96	854	22,320	57	542	12,535	21	151	1,921	258	2,331	68,431
1:00pm	94	862	34,244	101	898	24,931	52	500	14,876	21	151	2,462	268	2,411	76,513
2:00pm	85	786	43,181	103	908	34,501	56	534	21,941	21	151	3,516	265	2,379	103,139
3:00pm	90	840	59,404	103	910	51,279	60	579	37,695	22	159	6,075	275	2,488	154,453
4:00pm	99	914	67,107	126	1,120	72,180	68	659	45,808	36	266	12,972	329	2,959	198,067
5:00pm	104	976	93,755	142	1,256	108,191	74	720	70,468	48	352	27,216	368	3,304	299,630
6:00pm	114	1,060	88,670	122	1,082	113,254	71	691	63,586	41	301	22,834	348	3,134	288,344
7:00pm	94	884	53,670	127	1,112	73,573	65	634	41,997	34	249	13,144	320	2,879	182,384
8:00pm	94	872	38,035	112	990	47,365	59	575	27,114	23	167	8,864	288	2,604	121,378
9:00pm	78	738	27,561	76	674	30,645	57	552	20,903	21	152	6,485	232	2,116	85,594
10:00pm	65	608	23,505	52	460	20,958	32	331	15,731	17	123	4,208	166	1,522	64,402
11:00pm	40	380	15,909	40	354	13,593	21	220	10,996	6	45	2,242	107	999	42,740
TOTAL	1,710	15,886	820,178	2,049	18,152	754,015	1,109	10,822	462,672	527	3,848	133,427	5,395	48,708	2,170,292

Note: Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B
SUBWAY BY SECTOR
MTA NYC TRANSIT SUMMARY, 2019-INBOUND

HOURS	60TH STREET SECTOR			BROOKLYN SECTOR			QUEENS SECTOR			ALL SECTORS		
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	24	214	3,418	19	154	1,509	12	125	901	55	493	5,828
1:00am	24	222	1,320	14	112	878	8	82	576	46	416	2,774
2:00am	23	212	932	20	166	1,582	10	104	1,204	53	482	3,718
3:00am	25	232	1,390	18	152	966	8	83	591	51	467	2,947
4:00am	25	234	3,887	21	182	2,940	10	103	2,126	56	519	8,953
5:00am	42	392	14,826	46	398	13,750	22	212	10,543	110	1,002	39,119
6:00am	71	656	38,140	88	770	44,641	60	587	34,926	219	2,013	117,707
7:00am	101	944	75,885	127	1,116	89,161	71	699	58,613	299	2,759	223,659
8:00am	121	1,132	119,683	154	1,350	155,316	89	875	90,308	364	3,357	365,307
9:00am	102	946	80,911	128	1,128	112,756	71	690	62,325	301	2,764	255,992
10:00am	85	788	42,852	107	950	52,358	54	518	30,795	246	2,256	126,005
11:00am	87	808	35,100	104	926	35,946	53	507	20,738	244	2,241	91,784
12:00pm	89	826	34,887	106	938	31,764	56	532	17,305	251	2,296	83,956
1:00pm	88	818	35,189	104	924	30,760	53	507	16,381	245	2,249	82,330
2:00pm	84	776	40,701	102	908	31,790	54	515	18,080	240	2,199	90,571
3:00pm	90	836	52,506	116	1,032	35,818	59	565	20,923	265	2,433	109,247
4:00pm	117	1,086	58,286	135	1,200	35,358	70	679	21,236	322	2,965	114,880
5:00pm	115	1,064	61,294	139	1,236	38,307	73	714	22,195	327	3,014	121,796
6:00pm	91	844	45,069	125	1,120	29,430	69	667	14,541	285	2,631	89,040
7:00pm	98	910	30,509	111	984	17,288	65	627	9,030	274	2,521	56,827
8:00pm	76	702	18,909	101	904	10,255	58	561	5,785	235	2,167	34,949
9:00pm	61	568	12,988	77	686	8,291	47	468	4,733	185	1,722	26,012
10:00pm	52	480	11,208	59	520	6,474	34	350	3,743	145	1,350	21,425
11:00pm	35	324	7,053	46	402	4,110	19	201	1,983	100	927	13,146
TOTAL	1,726	16,014	826,943	2,067	18,258	791,448	1,125	10,971	469,581	4,918	45,243	2,087,972

Note: Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B
SUBWAY BY SECTOR
MTA NYC TRANSIT SUMMARY, 2019-OUTBOUND

HOURS	60TH STREET SECTOR			BROOKLYN SECTOR			QUEENS SECTOR			ALL SECTORS			
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	
8 - 18	12:00am	15	130	5,816	27	228	6,179	16	167	5,511	58	525	17,506
	1:00am	14	128	7,094	27	236	5,055	10	103	2,539	51	467	14,688
	2:00am	18	166	2,190	20	178	1,403	8	83	1,101	46	427	4,694
	3:00am	23	216	2,134	23	206	1,215	9	93	725	55	515	4,074
	4:00am	21	200	1,769	20	182	935	9	93	960	50	475	3,664
	5:00am	27	252	5,773	35	318	4,027	17	164	2,653	79	734	12,453
	6:00am	42	390	19,723	79	704	13,088	38	376	7,931	159	1,470	40,742
	7:00am	86	782	48,809	115	1,024	23,085	68	671	14,584	269	2,477	86,478
	8:00am	111	1,022	53,326	142	1,264	28,990	76	750	14,365	329	3,036	96,681
	9:00am	121	1,126	39,195	138	1,222	21,400	74	716	10,600	333	3,064	71,195
	10:00am	98	906	30,091	123	1,082	17,834	60	573	8,314	281	2,561	56,239
	11:00am	93	864	27,562	100	890	18,014	52	496	9,739	245	2,250	55,315
	12:00pm	84	784	31,655	96	854	22,320	57	542	12,535	237	2,180	66,510
	1:00pm	94	862	34,244	101	898	24,931	52	500	14,876	247	2,260	74,051
	2:00pm	85	786	43,181	103	908	34,501	56	534	21,941	244	2,228	99,623
	3:00pm	90	840	59,404	103	910	51,279	60	579	37,695	253	2,329	148,378
	4:00pm	99	914	67,107	126	1,120	72,180	68	659	45,808	293	2,693	185,095
	5:00pm	104	976	93,755	142	1,256	108,191	74	720	70,468	320	2,952	272,414
	6:00pm	114	1,060	88,670	122	1,082	113,254	71	691	63,586	307	2,833	265,510
	7:00pm	94	884	53,670	127	1,112	73,573	65	634	41,997	286	2,630	169,240
	8:00pm	94	872	38,035	112	990	47,365	59	575	27,114	265	2,437	112,514
	9:00pm	78	738	27,561	76	674	30,645	57	552	20,903	211	1,964	79,109
	10:00pm	65	608	23,505	52	460	20,958	32	331	15,731	149	1,399	60,194
	11:00pm	40	380	15,909	40	354	13,593	21	220	10,996	101	954	40,498
TOTAL	1,710	15,886	820,178	2,049	18,152	754,015	1,109	10,822	462,672	4,868	44,860	2,036,865	

Note: Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B
SUBWAY BY LOCATION
60TH STREET SECTOR, 2019-INBOUND

HOURS	LEXINGTON AVE EXPRESS			LEXINGTON AVE LOCAL			2ND AVENUE LOCAL			8TH AVENUE EXPRESS			8TH AVENUE LOCAL			B'WAY/7TH AVE EXPRESS			B'WAY/7TH AVE LOCAL			TOTAL		
	86 ST. - LEXINGTON AVE VIA 4, 5 LINES (Express)			68TH ST./LEXINGTON AVE VIA 4*, 6 LINES (Local)			63RD ST./LEXINGTON AVE VIA Q, W LINES (Local)			125 ST./NICHOLAS ST VIA A*, D LINES (Express)			72 ST./CENT. PK WEST VIA A, B, C LINES (Local)			72 ND ST./BROADWAY VIA 2, 3, LINES (Express)			66TH ST./BROADWAY VIA 1, 2 LINES (Local)			60TH STREET SECTOR		
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	1	10	338	3	30	757	4	32	221	4	32	437	5	40	335	4	40	356	3	30	974	24	214	3,418
1:00am	0	0	0	6	60	441	3	24	60	3	24	189	3	24	110	3	30	92	6	60	428	24	222	1,320
2:00am	0	0	0	7	70	315	3	24	59	3	24	189	3	24	58	2	20	71	5	50	240	23	212	932
3:00am	0	0	0	7	70	482	3	24	122	3	24	358	3	24	56	3	30	31	6	60	341	25	232	1,390
4:00am	0	0	0	7	70	1,587	3	24	84	2	16	844	3	24	239	3	30	119	7	70	1,014	25	234	3,887
5:00am	8	80	4,630	5	50	2,014	4	32	388	6	48	3,254	4	32	525	8	80	2,141	7	70	1,874	42	392	14,826
6:00am	15	150	11,681	9	90	4,208	5	40	1,731	12	96	8,488	10	80	2,442	13	130	6,409	7	70	3,181	71	656	38,140
7:00am	22	220	20,650	17	170	7,407	8	64	5,439	14	112	16,051	11	88	4,613	17	170	13,845	12	120	7,880	101	944	75,885
8:00am	23	230	21,647	19	190	13,005	9	72	12,872	18	144	22,794	12	96	10,049	21	210	24,831	19	190	14,485	121	1,132	119,683
9:00am	20	200	9,508	14	140	11,886	7	56	10,246	17	136	14,982	13	104	7,279	19	190	17,061	12	120	9,949	102	946	80,911
10:00am	16	160	9,661	13	130	5,767	7	56	3,570	12	96	7,244	12	96	3,585	14	140	7,406	11	110	5,619	85	788	42,852
11:00am	13	130	6,641	16	160	4,617	8	64	3,434	12	96	5,987	11	88	2,655	15	150	6,292	12	120	5,474	87	808	35,100
12:00pm	16	160	7,015	16	160	5,406	8	64	3,346	13	104	5,770	11	88	2,861	16	160	6,312	9	90	4,177	89	826	34,887
1:00pm	16	160	7,163	15	150	4,783	7	56	2,851	14	112	6,278	10	80	2,803	15	150	6,381	11	110	4,930	88	818	35,189
2:00pm	14	140	7,495	15	150	6,718	7	56	3,422	13	104	7,192	12	96	3,927	14	140	6,894	9	90	5,053	84	776	40,701
3:00pm	19	190	10,183	14	140	8,462	8	64	5,479	13	104	7,194	11	88	5,127	14	140	8,186	11	110	7,875	90	836	52,506
4:00pm	25	250	10,393	19	190	9,426	8	64	4,875	22	176	9,095	12	96	6,394	18	180	10,228	13	130	7,875	117	1,086	58,286
5:00pm	21	210	9,728	17	170	10,749	8	64	6,214	23	184	8,759	12	96	6,160	19	190	11,213	15	150	8,471	115	1,064	61,294
6:00pm	15	150	6,784	14	140	7,313	9	72	6,159	9	72	4,164	15	120	5,214	16	160	8,312	13	130	7,123	91	844	45,069
7:00pm	17	170	3,819	15	150	5,287	9	72	4,112	15	120	4,009	11	88	2,537	16	160	5,571	15	150	5,174	98	910	30,509
8:00pm	10	100	2,079	11	110	3,833	7	56	1,932	14	112	3,121	8	64	1,107	14	140	3,104	12	120	3,733	76	702	18,909
9:00pm	7	70	1,351	11	110	2,574	4	32	1,341	11	88	1,787	6	48	775	11	110	2,571	11	110	2,589	61	568	12,988
10:00pm	6	60	1,095	7	70	1,467	6	48	1,323	8	64	1,697	6	48	687	11	110	2,647	8	80	2,292	52	480	11,208
11:00pm	3	30	602	6	60	1,280	6	48	547	3	24	682	4	32	545	7	70	1,307	6	60	2,090	35	324	7,053
TOTAL	287	2,870	152,463	283	2,830	119,784	151	1,208	79,827	264	2,112	140,565	208	1,664	70,083	293	2,930	151,380	240	2,400	112,841	1,726	16,014	826,943

* Indicates service that changes from express to local during the overnight hours.

Note: Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B
SUBWAY BY LOCATION
60TH STREET SECTOR, 2019-OUTBOUND

III - 20

HOURS	59TH ST./LEXINGTON AVE			LEXINGTON AVE LOCAL			2ND AVENUE LOCAL			8TH AVE EXPR/LOCAL			8TH AVENUE LOCAL			TIMES SQUARE			59TH ST./COLUMBUS			TOTAL		
	VIA 4 EXPRESS & LOCAL* & 5 EXPRESS			59TH ST./LEXINGTON AVE			57TH ST./7TH AVE			59TH ST./COLUMBUS CIR.			59TH ST./COLUMBUS CIR.			EXPRESS			CIRCLE			60TH STREET SECTOR		
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	0	0	0	0	0	0	1	8	61	9	72	4,788	0	0	0	4	40	658	1	10	309	15	130	5,816
1:00am	1	10	1,090	3	30	2,823	0	0	0	6	48	1,852	0	0	0	3	30	382	1	10	947	14	128	7,094
2:00am	1	10	265	3	30	486	0	0	0	7	56	836	0	0	0	3	30	71	4	40	532	18	166	2,190
3:00am	3	30	306	4	40	408	0	0	0	7	56	370	0	0	0	3	30	58	6	60	992	23	216	2,134
4:00am	4	40	433	3	30	337	0	0	0	5	40	442	0	0	0	3	30	14	6	60	543	21	200	1,769
5:00am	4	40	1,277	4	40	1,196	2	16	510	7	56	1,159	0	0	0	3	30	273	7	70	1,358	27	252	5,773
6:00am	8	80	4,834	6	60	4,056	2	16	529	10	80	3,985	3	24	681	8	80	3,030	5	50	2,608	42	390	19,723
7:00am	15	150	9,052	12	120	8,727	10	80	6,351	15	120	5,998	14	112	4,216	12	120	7,689	8	80	6,776	86	782	48,809
8:00am	19	190	9,276	17	170	10,073	8	64	6,069	22	176	6,905	14	112	4,383	17	170	9,445	14	140	7,175	111	1,022	53,326
9:00am	25	250	6,654	18	180	7,486	6	48	4,237	22	176	5,114	14	112	3,400	18	180	7,020	18	180	5,284	121	1,126	39,195
10:00am	20	200	4,503	14	140	5,495	9	72	3,110	15	120	3,886	13	104	3,923	15	150	4,733	12	120	4,441	98	906	30,091
11:00am	19	190	5,080	15	150	4,964	7	56	2,363	13	104	3,908	13	104	3,152	15	150	4,513	11	110	3,582	93	864	27,562
12:00pm	15	150	6,191	15	150	5,456	8	64	2,762	11	88	4,147	9	72	2,957	16	160	5,373	10	100	4,769	84	784	31,655
1:00pm	15	150	6,725	16	160	5,341	8	64	2,806	15	120	5,612	16	128	3,493	14	140	5,058	10	100	5,209	94	862	34,244
2:00pm	14	140	8,097	14	140	6,504	7	56	3,075	14	112	7,297	11	88	4,185	15	150	6,737	10	100	7,286	85	786	43,181
3:00pm	17	170	13,734	16	160	8,781	7	56	4,405	15	120	10,938	8	64	3,651	16	160	9,947	11	110	7,948	90	840	59,404
4:00pm	20	200	15,959	15	150	8,864	9	72	4,512	16	128	12,633	13	104	5,891	16	160	10,742	10	100	8,506	99	914	67,107
5:00pm	22	220	22,535	18	180	11,508	7	56	7,868	14	112	14,324	11	88	7,347	19	190	18,530	13	130	11,643	104	976	93,755
6:00pm	24	240	17,970	14	140	7,715	11	88	12,262	16	128	15,432	13	104	7,541	20	200	17,007	16	160	10,743	114	1,060	88,670
7:00pm	18	180	9,867	18	180	7,690	7	56	5,462	13	104	9,193	8	64	4,165	16	160	9,762	14	140	7,531	94	884	53,670
8:00pm	16	160	6,923	13	130	4,348	7	56	2,961	15	120	8,560	12	96	3,166	18	180	7,290	13	130	4,787	94	872	38,035
9:00pm	17	170	5,528	12	120	3,294	3	24	1,721	12	96	5,865	6	48	1,653	15	150	5,391	13	130	4,109	78	738	27,561
10:00pm	11	110	4,064	9	90	2,829	4	32	1,136	10	80	5,168	7	56	2,068	13	130	4,018	11	110	4,222	65	608	23,505
11:00pm	9	90	3,405	6	60	2,366	0	0	0	9	72	4,810	1	8	326	9	90	2,576	6	60	2,426	40	380	15,909
TOTAL	317	3,170	163,768	265	2,650	120,747	123	984	72,200	298	2,384	143,222	186	1,488	66,198	291	2,910	140,317	230	2,300	113,726	1,710	15,886	820,178

* Indicates service that changes from express to local during the overnight hours.

Note: Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B
SUBWAY BY LOCATION
BROOKLYN SECTOR, 2019-INBOUND

HOURS	14TH STREET TUNNEL			WILLIAMSBURG BRIDGE			RUTGERS ST. TUNNEL			MANHATTAN BRIDGE			MANHATTAN BRIDGE			
	BEDFORD AVENUE		L LINE (LOCAL)	MARCY AVENUE		J, Z, M LINES (LOCAL)	YORK AVENUE		F LINE (LOCAL)	VIA DEKALB AVENUE		B,D,N,Q LINES (LOCAL)	VIA PACIFIC STREET		D, N LINES (EXPRESS)	
	TRAINS	CARS		TRAINS	CARS		TRAINS	CARS		TRAINS	CARS		TRAINS	CARS		
III - 21	12:00am	3	24	283	6	48	193	0	0	0	6	48	378	0	0	0
	1:00am	3	24	196	3	24	124	0	0	0	5	40	294	0	0	0
	2:00am	3	24	119	3	24	76	0	0	0	8	64	798	0	0	0
	3:00am	3	24	158	3	24	130	0	0	0	6	48	338	0	0	0
	4:00am	3	24	425	3	24	389	0	0	0	5	40	713	0	0	0
	5:00am	6	48	2,517	6	48	1,888	4	40	889	8	64	3,534	0	0	0
	6:00am	11	88	7,100	10	80	3,840	6	60	2,401	14	112	7,267	8	64	5,063
	7:00am	13	104	12,890	13	104	8,103	11	110	6,724	18	144	14,596	16	128	13,310
	8:00am	20	160	26,461	21	168	17,130	12	120	11,019	15	120	20,215	16	128	19,378
	9:00am	18	144	20,309	13	104	10,927	9	90	6,604	17	136	18,646	14	112	11,483
	10:00am	7	56	7,159	14	112	5,930	8	80	3,957	13	104	6,837	11	88	6,685
	11:00am	8	64	5,623	11	88	3,810	8	80	3,167	13	104	4,976	13	104	4,748
	12:00pm	8	64	4,649	13	104	3,469	10	100	2,859	16	128	5,542	11	88	2,800
	1:00pm	7	56	4,023	12	96	3,112	9	90	2,942	12	96	4,186	12	96	3,611
	2:00pm	8	64	4,730	11	88	3,051	10	100	3,226	13	104	4,786	12	96	3,940
	3:00pm	10	80	5,130	12	96	3,254	10	100	3,392	12	96	4,180	15	120	4,101
	4:00pm	12	96	4,691	17	136	2,939	14	140	3,913	17	136	5,731	14	112	3,792
	5:00pm	17	136	5,648	17	136	2,638	14	140	5,498	14	112	4,581	15	120	4,496
	6:00pm	18	144	4,785	13	104	2,193	12	120	4,846	14	112	4,142	12	96	2,881
	7:00pm	14	112	2,634	11	88	1,217	9	90	2,224	26	208	3,558	1	8	71
	8:00pm	10	80	1,585	13	104	905	8	80	1,373	19	152	1,625	0	0	0
	9:00pm	4	32	943	13	104	678	10	100	1,059	13	104	1,440	0	0	0
	10:00pm	3	24	868	11	88	645	6	60	673	10	80	872	0	0	0
	11:00pm	3	24	587	11	88	587	5	50	469	10	80	847	0	0	0
TOTAL	212	1,696	123,513	260	2,080	77,228	175	1,750	67,235	304	2,432	120,082	170	1,360	86,359	

Note: Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B
SUBWAY BY LOCATION
BROOKLYN SECTOR, 2019-INBOUND (CONT'D)

HOURS	CRANBERRY ST. TUNNEL			CLARK ST. TUNNEL			MONTAGUE ST. TUNNEL			JORALEMON ST. TUNNEL			TOTAL		
	VIA HIGH STREET			VIA CLARK STREET			VIA COURT STREET			VIA BOROUGH HALL			BROOKLYN SECTOR		
	A, C LINES (LOCAL)			2,3 LINES (LOCAL)			N, R LINES (LOCAL)			4, 5 LINES (LOCAL)					
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	3	24	460	0	0	0	0	0	0	1	10	195	19	154	1,509
1:00am	3	24	264	0	0	0	0	0	0	0	0	0	14	112	878
2:00am	3	24	195	1	10	255	0	0	0	2	20	139	20	166	1,582
3:00am	2	16	128	2	20	56	0	0	0	2	20	156	18	152	966
4:00am	3	24	401	3	30	370	0	0	0	4	40	642	21	182	2,940
5:00am	4	32	1,781	4	40	965	10	86	636	4	40	1,540	46	398	13,750
6:00am	11	88	6,753	10	100	4,599	7	68	1,040	11	110	6,578	88	770	44,641
7:00am	17	136	13,030	13	130	7,743	8	80	2,889	18	180	9,876	127	1,116	89,161
8:00am	23	184	25,057	18	180	13,672	10	100	6,317	19	190	16,067	154	1,350	155,316
9:00am	14	112	18,097	17	170	12,134	6	60	3,976	20	200	10,580	128	1,128	112,756
10:00am	15	120	10,229	15	150	4,382	6	60	1,410	18	180	5,769	107	950	52,358
11:00am	12	96	5,366	14	140	3,070	6	60	886	19	190	4,300	104	926	35,946
12:00pm	13	104	5,663	15	150	2,597	6	60	678	14	140	3,507	106	938	31,764
1:00pm	15	120	5,279	15	150	2,659	7	70	618	15	150	4,330	104	924	30,760
2:00pm	12	96	4,913	15	150	2,533	6	60	585	15	150	4,026	102	908	31,790
3:00pm	15	120	6,615	16	160	3,435	8	80	990	18	180	4,721	116	1,032	35,818
4:00pm	15	120	5,827	17	170	3,234	9	90	1,034	20	200	4,197	135	1,200	35,358
5:00pm	14	112	6,318	20	200	4,160	7	70	1,057	21	210	3,911	139	1,236	38,307
6:00pm	8	64	4,150	19	190	2,624	7	70	695	22	220	3,114	125	1,120	29,430
7:00pm	11	88	3,163	17	170	1,786	7	70	535	15	150	2,100	111	984	17,288
8:00pm	11	88	1,803	16	160	1,281	6	60	246	18	180	1,437	101	904	10,255
9:00pm	12	96	1,723	15	150	1,327	2	20	67	8	80	1,054	77	686	8,291
10:00pm	11	88	1,603	12	120	1,133	0	0	0	6	60	680	59	520	6,474
11:00pm	5	40	689	8	80	527	0	0	0	4	40	404	46	402	4,110
TOTAL	252	2,016	129,507	282	2,820	74,542	118	1,164	23,659	294	2,940	89,323	2,067	18,258	791,448

Note: Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B
SUBWAY BY LOCATION
BROOKLYN SECTOR, 2019-OUTBOUND

HOURS	14TH STREET TUNNEL			WILLIAMSBURG BRIDGE			RUTGERS ST. TUNNEL			MANHATTAN BRIDGE			MONTAUGUE ST.TUNNEL			
	VIA FIRST AVENUE L LINE (LOCAL)			VIA ESSEX STREET J, Z, M LINES (LOCAL)			VIA EAST BROADWAY F LINE (LOCAL)			VIA GRAND ST(B ,D) LOCAL VIA CANAL ST(N,Q) LOCAL			VIA WHITEHALL STREET N*, R LINES			
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	
III - 23	12:00am	3	24	1,020	10	80	1,873	4	40	619	0	0	0	0	0	0
	1:00am	3	24	645	7	56	900	4	40	435	0	0	0	0	0	0
	2:00am	3	24	369	3	24	247	3	30	185	0	0	0	0	0	0
	3:00am	3	24	245	3	24	187	5	50	205	0	0	0	0	0	0
	4:00am	3	24	194	3	24	111	3	30	68	0	0	0	0	0	0
	5:00am	4	32	642	3	24	148	4	40	413	0	0	0	4	36	156
	6:00am	10	80	1,906	9	72	685	7	70	1,475	5	40	739	8	74	371
	7:00am	13	104	3,177	13	104	1,506	10	100	2,714	13	104	2,886	8	80	1,220
	8:00am	19	152	3,205	18	144	1,740	14	140	4,046	15	120	3,705	10	96	1,610
	9:00am	17	136	2,567	16	128	1,251	11	110	2,960	11	88	2,147	9	90	1,068
	10:00am	11	88	2,178	14	112	1,119	13	130	2,367	13	88	2,449	6	60	563
	11:00am	8	64	2,915	12	96	1,274	9	90	1,982	11	88	2,354	6	60	626
	12:00pm	7	56	3,299	11	88	1,795	8	80	2,045	12	96	3,603	6	60	600
	1:00pm	8	64	4,200	13	104	2,365	8	80	1,967	12	96	3,684	6	60	758
	2:00pm	7	56	4,985	12	96	3,183	10	100	3,429	13	96	5,861	6	60	1,119
	3:00pm	9	72	8,759	12	96	4,960	7	70	3,064	12	96	7,197	6	60	1,821
	4:00pm	13	104	11,633	14	112	6,067	11	110	4,924	14	112	12,153	9	90	3,120
	5:00pm	15	120	16,849	18	144	10,353	10	100	8,063	16	128	15,865	8	80	5,367
	6:00pm	17	136	22,735	11	88	9,618	10	100	8,930	16	128	17,252	8	80	5,435
	7:00pm	17	136	14,235	17	136	7,768	8	80	5,087	14	112	11,429	7	70	2,141
	8:00pm	10	80	7,732	14	112	5,064	11	110	4,213	14	112	7,142	6	60	1,163
	9:00pm	5	40	4,005	12	96	3,592	9	90	3,204	5	40	3,283	5	50	637
	10:00pm	3	24	3,296	11	88	3,173	5	50	1,966	0	0	0	0	0	0
	11:00pm	3	24	2,487	10	80	2,779	5	50	1,352	1	8	235	0	0	0
TOTAL	211	1,688	123,278	266	2,128	71,758	189	1,890	65,713	197	1,552	101,984	118	1,166	27,775	

* Indicates service that changes from express to local during the overnight hours.

Note: Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B
SUBWAY BY LOCATION
BROOKLYN SECTOR, 2019-OUTBOUND (CONT'D)

HOURS	CRANBERRY ST. TUNNEL			CLARK ST. TUNNEL			JORALEMON ST. TUNNEL			MANHATTAN BRIDGE			TOTAL			
	VIA BROADWAY/NASSAU A, C LINES			VIA WALL STREET 2, 3 LINES			VIA BOWLING GREEN 4, 5 LINES			VIA GRAND ST (N/Q) EXPRESS VIA CANAL ST (N) EXPRESS			BROOKLYN SECTOR			
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	
III - 24	12:00am	4	32	1,211	2	20	418	0	0	0	4	32	1,038	27	228	6,179
	1:00am	4	32	692	2	20	686	4	40	1,323	3	24	374	27	236	5,055
	2:00am	2	16	137	4	40	196	2	20	168	3	24	101	20	178	1,403
	3:00am	3	24	199	3	30	104	3	30	173	3	24	102	23	206	1,215
	4:00am	0	0	0	4	40	166	4	40	268	3	24	128	20	182	935
	5:00am	4	32	663	7	70	436	6	60	918	3	24	651	35	318	4,027
	6:00am	9	72	2,412	11	110	1,394	13	130	2,410	7	56	1,696	79	704	13,088
	7:00am	14	112	3,937	14	140	1,932	20	200	4,067	10	80	1,646	115	1,024	23,085
	8:00am	12	96	4,688	21	210	3,139	21	210	4,206	12	96	2,651	142	1,264	28,990
	9:00am	18	144	3,528	18	180	2,298	21	210	2,606	17	136	2,975	138	1,222	21,400
	10:00am	16	128	3,298	18	180	1,684	20	200	2,288	12	96	1,888	123	1,082	17,834
	11:00am	11	88	2,554	16	160	1,637	14	140	2,013	13	104	2,659	100	890	18,014
	12:00pm	13	104	3,757	14	140	1,768	15	150	2,498	10	80	2,955	96	854	22,320
	1:00pm	12	96	4,186	16	160	2,277	15	150	2,510	11	88	2,984	101	898	24,931
	2:00pm	12	96	5,795	14	140	2,597	16	160	3,092	13	104	4,440	103	908	34,501
	3:00pm	15	120	9,159	15	150	4,361	15	150	4,614	12	96	7,344	103	910	51,279
	4:00pm	15	120	10,976	15	150	5,410	21	210	7,122	14	112	10,775	126	1,120	72,180
	5:00pm	16	128	13,839	17	170	9,529	25	250	11,469	17	136	16,857	142	1,256	108,191
	6:00pm	9	72	13,849	17	170	9,265	18	180	11,397	16	128	14,773	122	1,082	113,254
	7:00pm	17	136	12,710	18	180	6,373	15	150	5,658	14	112	8,172	127	1,112	73,573
	8:00pm	15	120	8,453	16	160	4,431	14	140	3,491	12	96	5,676	112	990	47,365
	9:00pm	12	96	6,254	11	110	3,016	8	80	2,459	9	72	4,195	76	674	30,645
	10:00pm	9	72	4,483	11	110	3,201	6	60	1,846	7	56	2,993	52	460	20,958
	11:00pm	6	48	2,752	7	70	1,811	5	50	1,278	3	24	899	40	354	13,593
TOTAL	248	1,984	119,532	291	2,910	68,129	301	3,010	77,874	228	1,824	97,972	2,049	18,152	754,015	

Note: Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B
SUBWAY BY LOCATION
QUEENS SECTOR, 2019 INBOUND

HOURS	60TH STREET TUNNEL			53RD STREET TUNNEL			STEINWAY ST. TUNNEL			63RD STREET TUNNEL			TOTAL			
	VIA QUEENSBORO PLAZA & QUEENS PLAZA			VIA 23RD STREET/ELY AVE			VIA VERNON AVE/JACKSON AVE			VIA 63RD ST/LEXINGTON AVE			QUEENS SECTOR			
	N, Q, R LINES			E, M LINES			7 LINE			F LINE			TRAINs	CARS	PSGRS	
III - 25	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	
	12:00am	0	0	0	3	30	166	5	55	450	4	40	285	12	125	901
	1:00am	0	0	0	3	30	243	2	22	150	3	30	183	8	82	576
	2:00am	0	0	0	3	30	333	4	44	755	3	30	116	10	104	1,204
	3:00am	0	0	0	2	20	116	3	33	287	3	30	188	8	83	591
	4:00am	0	0	0	4	40	756	3	33	821	3	30	549	10	103	2,126
	5:00am	7	60	2,122	6	56	3,155	6	66	3,704	3	30	1,562	22	212	10,543
	6:00am	18	162	8,166	15	138	11,205	17	187	9,285	10	100	6,270	60	587	34,926
	7:00am	17	150	14,986	20	186	19,276	23	253	16,540	11	110	7,811	71	699	58,613
	8:00am	23	204	25,384	22	202	23,886	29	319	24,459	15	150	16,579	89	875	90,308
	9:00am	20	172	18,511	18	168	17,975	20	220	14,988	13	130	10,851	71	690	62,325
	10:00am	17	148	8,225	15	138	9,858	12	132	5,928	10	100	6,784	54	518	30,795
	11:00am	18	154	5,452	14	130	6,884	13	143	4,419	8	80	3,983	53	507	20,738
	12:00pm	20	174	5,512	15	136	5,545	12	132	2,970	9	90	3,278	56	532	17,305
	1:00pm	18	156	4,590	14	128	5,397	13	143	3,051	8	80	3,343	53	507	16,381
	2:00pm	18	156	5,080	16	148	6,948	11	121	2,469	9	90	3,583	54	515	18,080
	3:00pm	20	174	4,500	18	168	7,924	13	143	4,937	8	80	3,562	59	565	20,923
	4:00pm	20	178	5,775	22	204	7,140	17	187	4,959	11	110	3,362	70	679	21,236
	5:00pm	21	184	5,871	18	168	6,392	22	242	5,583	12	120	4,349	73	714	22,195
	6:00pm	21	182	4,651	17	154	3,216	21	231	4,119	10	100	2,555	69	667	14,541
	7:00pm	20	174	2,237	19	174	3,227	19	209	2,252	7	70	1,314	65	627	9,030
	8:00pm	17	148	1,152	14	126	2,018	17	187	1,514	10	100	1,101	58	561	5,785
	9:00pm	9	84	690	14	128	1,741	16	176	1,376	8	80	926	47	468	4,733
	10:00pm	5	50	188	9	86	1,348	14	154	1,517	6	60	690	34	350	3,743
	11:00pm	0	0	0	4	40	360	11	121	1,184	4	40	439	19	201	1,983
TOTAL	309	2,710	123,092	305	2,828	145,109	323	3,553	117,717	188	1,880	83,663	1,125	10,971	469,581	

Note: Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B
SUBWAY BY LOCATION
QUEENS SECTOR, 2019-OUTBOUND

HOURS	60TH STREET TUNNEL			53RD STREET TUNNEL			STEINWAY ST. TUNNEL			63RD STREET TUNNEL			TOTAL		
	VIA LEXINGTON AVE			VIA LEXINGTON AVE			VIA GRAND CENTRAL			VIA 57TH ST/6TH AVE			QUEENS SECTOR		
	N, R, Q LINES			E, M LINES			7 LINE			F LINE					
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	0	0	0	4	40	1,501	7	77	2,649	5	50	1,361	16	167	5,511
1:00am	0	0	0	3	30	663	3	33	1,274	4	40	602	10	103	2,539
2:00am	0	0	0	2	20	286	3	33	573	3	30	242	8	83	1,101
3:00am	0	0	0	3	30	182	3	33	426	3	30	117	9	93	725
4:00am	0	0	0	3	30	262	3	33	531	3	30	167	9	93	960
5:00am	4	32	348	5	48	839	4	44	988	4	40	478	17	164	2,653
6:00am	9	80	1,447	9	80	1,963	16	176	3,566	4	40	955	38	376	7,931
7:00am	17	148	2,878	15	138	4,820	25	275	4,497	11	110	2,389	68	671	14,584
8:00am	20	176	3,242	19	178	4,421	26	286	4,872	11	110	1,830	76	750	14,365
9:00am	22	194	2,645	21	192	3,712	20	220	2,859	11	110	1,384	74	716	10,600
10:00am	20	172	2,400	18	168	2,844	13	143	2,017	9	90	1,053	60	573	8,314
11:00am	18	156	2,131	16	148	3,949	12	132	2,727	6	60	932	52	496	9,739
12:00pm	19	164	2,557	15	136	4,293	12	132	3,667	11	110	2,018	57	542	12,535
1:00pm	16	140	2,769	15	138	5,429	12	132	4,237	9	90	2,441	52	500	14,876
2:00pm	21	182	5,257	13	120	7,271	12	132	5,783	10	100	3,630	56	534	21,941
3:00pm	18	156	8,830	17	158	13,437	15	165	10,554	10	100	4,874	60	579	37,695
4:00pm	21	186	11,082	19	176	15,515	17	187	12,830	11	110	6,381	68	659	45,808
5:00pm	20	174	17,616	19	176	22,363	20	220	19,871	15	150	10,618	74	720	70,468
6:00pm	22	192	17,726	16	146	14,882	23	253	19,626	10	100	11,352	71	691	63,586
7:00pm	18	158	9,662	15	136	12,013	20	220	11,814	12	120	8,508	65	634	41,997
8:00pm	14	122	5,659	21	198	9,453	15	165	7,776	9	90	4,226	59	575	27,114
9:00pm	17	148	4,810	14	128	6,341	16	176	5,967	10	100	3,785	57	552	20,903
10:00pm	0	0	0	10	96	5,905	15	165	7,175	7	70	2,651	32	331	15,731
11:00pm	0	0	0	6	60	3,190	10	110	5,099	5	50	2,707	21	220	10,996
TOTAL	296	2,580	101,059	298	2,770	145,534	322	3,542	141,378	193	1,930	74,701	1,109	10,822	462,672

Note: Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B
SUBWAY BY LINE
NEW JERSEY SECTOR, 2019-INBOUND

HOURS	DOWNTOWN PATH			UPTOWN PATH			TOTAL		
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	2	16	71	2	14	100	4	30	171
1:00am	1	8	22	2	14	57	3	22	79
2:00am	2	16	30	2	14	42	4	30	72
3:00am	2	16	59	1	7	39	3	23	98
4:00am	1	8	73	2	14	117	3	22	190
5:00am	4	32	1,387	2	14	526	6	46	1,913
6:00am	12	92	3,660	10	70	2,520	22	162	6,180
7:00am	20	153	9,584	17	119	6,753	37	272	16,337
8:00am	27	206	20,043	23	161	15,969	50	367	36,012
9:00am	23	175	12,183	21	147	13,605	44	322	25,788
10:00am	12	91	3,573	13	91	5,030	25	182	8,603
11:00am	9	67	2,180	12	84	2,812	21	151	4,992
12:00pm	9	67	1,600	12	84	2,273	21	151	3,873
1:00pm	9	67	1,362	12	84	1,793	21	151	3,155
2:00pm	9	67	1,265	12	84	1,788	21	151	3,053
3:00pm	10	75	1,444	12	84	1,757	22	159	3,201
4:00pm	16	122	2,058	14	98	2,474	30	220	4,532
5:00pm	24	182	3,922	21	147	4,322	45	329	8,244
6:00pm	22	168	2,911	20	140	3,883	42	308	6,794
7:00pm	16	123	1,328	18	126	1,818	34	249	3,146
8:00pm	11	83	633	12	84	878	23	167	1,511
9:00pm	10	75	416	11	77	579	21	152	995
10:00pm	8	60	344	10	70	429	18	130	773
11:00pm	4	30	140	3	21	168	7	51	308
TOTAL	263	1,999	70,288	264	1,848	69,732	527	3,847	140,020

NEW JERSEY SECTOR, 2019-OUTBOUND

HOURS	DOWNTOWN PATH			UPTOWN PATH			TOTAL		
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	1	8	367	2	14	511	3	22	878
1:00am	2	16	111	2	14	217	4	30	328
2:00am	2	16	84	1	7	145	3	23	229
3:00am	1	8	83	2	14	87	3	22	170
4:00am	2	16	65	2	14	114	4	30	179
5:00am	4	31	259	1	7	148	5	38	407
6:00am	14	106	757	10	70	659	24	176	1,416
7:00am	21	161	1,850	17	119	1,951	38	280	3,801
8:00am	25	190	3,604	24	168	3,544	49	358	7,148
9:00am	19	145	1,967	20	140	1,866	39	285	3,833
10:00am	10	75	768	13	91	816	23	166	1,584
11:00am	9	67	652	12	84	863	21	151	1,515
12:00pm	9	67	881	12	84	1,040	21	151	1,921
1:00pm	9	67	1,217	12	84	1,245	21	151	2,462
2:00pm	9	67	1,752	12	84	1,764	21	151	3,516
3:00pm	10	75	3,133	12	84	2,942	22	159	6,075
4:00pm	22	168	7,776	14	98	5,196	36	266	12,972
5:00pm	26	198	15,205	22	154	12,011	48	352	27,216
6:00pm	21	161	11,321	20	140	11,513	41	301	22,834
7:00pm	16	123	6,045	18	126	7,099	34	249	13,144
8:00pm	11	83	3,957	12	84	4,907	23	167	8,864
9:00pm	10	75	2,557	11	77	3,928	21	152	6,485
10:00pm	8	60	1,531	9	63	2,677	17	123	4,208
11:00pm	3	24	852	3	21	1,390	6	45	2,242
TOTAL	264	2,007	66,794	263	1,841	66,633	527	3,848	133,427

SECTION C
SUBURBAN AND INTERCITY RAIL, TRANSIT BY SECTOR
SUMMARY, 2019-INBOUND

HOURS	60TH STREET SECTOR			QUEENS SECTOR			NEW JERSEY SECTOR			ALL SECTORS		
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	5	38	129	6	68	220	5	38	447	16	144	796
1:00am	7	55	62	4	44	110	4	27	565	15	126	737
2:00am	0	0	0	7	64	174	2	17	108	9	81	282
3:00am	0	0	0	1	12	30	0	0	0	1	12	30
4:00am	0	0	0	4	44	670	0	0	0	4	44	670
5:00am	0	0	0	3	34	2,410	6	53	1,859	9	87	4,269
6:00am	18	124	6,822	17	172	13,160	11	93	6,401	46	389	26,383
7:00am	37	267	21,182	29	286	24,250	16	136	15,196	82	689	60,628
8:00am	53	416	35,826	37	389	33,540	25	226	27,223	115	1,031	96,589
9:00am	31	222	15,891	21	193	14,268	18	139	13,631	70	554	43,790
10:00am	18	126	5,757	12	124	5,750	13	91	5,665	43	341	17,172
11:00am	13	94	4,024	9	87	3,455	13	91	4,466	35	272	11,945
12:00pm	13	95	2,943	13	119	3,435	10	71	3,063	36	285	9,441
1:00pm	10	79	1,981	10	106	2,543	11	85	3,030	31	270	7,554
2:00pm	13	89	2,126	9	89	2,315	9	70	2,248	31	248	6,689
3:00pm	12	79	2,146	10	96	2,672	10	71	3,583	32	246	8,401
4:00pm	13	96	2,478	10	99	2,936	11	81	4,082	34	276	9,496
5:00pm	16	130	3,337	9	94	3,064	11	90	4,138	36	314	10,539
6:00pm	16	111	3,506	13	117	3,474	12	93	4,372	41	321	11,352
7:00pm	13	99	1,822	11	115	2,094	12	91	2,557	36	305	6,473
8:00pm	10	67	1,034	9	95	1,395	15	100	1,837	34	262	4,266
9:00pm	10	68	905	7	74	850	8	64	1,552	25	206	3,307
10:00pm	7	52	521	8	83	927	9	72	1,173	24	207	2,621
11:00pm	5	32	164	6	68	450	4	29	417	15	129	1,031
TOTAL	320	2,339	112,656	265	2,672	124,192	235	1,828	107,613	820	6,839	344,461

SUMMARY, 2019-OUTBOUND

HOURS	60TH STREET SECTOR			QUEENS SECTOR			NEW JERSEY SECTOR			ALL SECTORS		
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	7	51	850	5	56	910	5	44	1,078	17	151	2,838
1:00am	8	58	547	4	44	490	2	16	316	14	118	1,353
2:00am	0	0	0	3	22	113	0	0	0	3	22	113
3:00am	0	0	0	4	42	190	2	10	75	6	52	265
4:00am	0	0	0	1	12	80	2	17	120	3	29	200
5:00am	0	0	0	4	44	310	7	56	497	11	100	807
6:00am	15	109	1,083	5	54	690	11	83	1,714	31	246	3,487
7:00am	16	102	2,226	8	76	1,585	15	106	3,526	39	284	7,337
8:00am	13	98	2,035	12	116	2,393	12	97	2,490	37	311	6,918
9:00am	11	86	1,341	7	72	950	13	100	2,503	31	258	4,794
10:00am	12	84	1,291	9	91	1,267	10	74	1,531	31	249	4,089
11:00am	11	77	1,363	13	122	1,837	9	68	1,991	33	267	5,191
12:00pm	11	76	1,583	10	89	2,321	12	81	2,606	33	246	6,510
1:00pm	13	93	2,446	8	83	2,165	6	48	2,457	27	224	7,068
2:00pm	14	105	3,550	11	118	5,016	14	100	4,338	39	323	12,904
3:00pm	20	146	6,426	16	155	9,743	12	93	5,529	48	394	21,698
4:00pm	27	192	12,411	23	227	14,917	17	133	11,825	67	552	39,153
5:00pm	46	342	28,710	35	367	28,325	22	194	23,733	103	903	80,768
6:00pm	35	265	21,287	22	225	20,490	23	187	17,727	80	677	59,504
7:00pm	23	164	10,707	15	150	11,498	11	87	7,341	49	401	29,546
8:00pm	13	96	5,990	11	114	6,921	9	78	4,968	33	288	17,879
9:00pm	13	97	5,058	7	70	4,030	8	65	3,913	28	232	13,001
10:00pm	10	65	2,972	9	92	4,050	7	60	2,985	26	217	10,007
11:00pm	8	54	1,764	9	100	2,360	4	30	1,315	21	184	5,439
TOTAL	326	2,360	113,640	251	2,541	122,651	233	1,827	104,578	810	6,728	340,869

SECTION C
SUBURBAN AND INTERCITY RAIL TRANSIT BY LINE
60TH STREET SECTOR, 2019-INBOUND

HOURS	MTA METRO-NORTH RAILROAD									AMTRAK			TOTAL		
	HUDSON LINE			HARLEM LINE			NEW HAVEN LINE			EMPIRE SERVICE			TRAINS	CARS	PSGRS
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	1	6	34	2	16	32	2	16	63	0	0	0	5	38	129
1:00am	2	16	23	2	16	16	3	23	23	0	0	0	7	55	62
2:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00am	6	40	1,706	7	46	2,617	5	38	2,499	0	0	0	18	124	6,822
7:00am	10	63	4,422	12	92	7,091	15	112	9,669	0	0	0	37	267	21,182
8:00am	14	98	7,609	16	132	11,881	21	176	16,072	2	10	264	53	416	35,826
9:00am	7	46	2,964	11	83	6,070	12	88	6,554	1	5	303	31	222	15,891
10:00am	6	42	1,351	6	44	1,952	5	35	2,215	1	5	239	18	126	5,757
11:00am	3	21	602	4	30	1,226	6	43	2,196	0	0	0	13	94	4,024
12:00pm	3	21	570	4	30	955	4	34	1,266	2	10	152	13	95	2,943
1:00pm	3	21	460	3	24	584	4	34	937	0	0	0	10	79	1,981
2:00pm	3	21	418	3	22	598	4	31	868	3	15	242	13	89	2,126
3:00pm	3	19	406	3	18	579	4	32	967	2	10	194	12	79	2,146
4:00pm	3	21	539	5	40	913	5	35	1,026	0	0	0	13	96	2,478
5:00pm	3	21	597	6	50	1,061	6	54	1,523	1	5	156	16	130	3,337
6:00pm	4	28	548	4	30	1,031	6	42	1,718	2	11	209	16	111	3,506
7:00pm	4	26	269	4	30	660	5	43	893	0	0	0	13	99	1,822
8:00pm	2	13	151	4	28	382	3	21	424	1	5	77	10	67	1,034
9:00pm	2	13	129	3	22	223	3	23	436	2	10	117	10	68	905
10:00pm	2	13	171	2	14	124	3	25	226	0	0	0	7	52	521
11:00pm	1	6	18	2	12	68	2	14	78	0	0	0	5	32	164
TOTAL	82	555	22,987	103	779	38,063	118	919	49,653	17	86	1,953	320	2,339	112,656

60TH STREET SECTOR, 2019-OUTBOUND

HOURS	MTA METRO-NORTH RAILROAD									AMTRAK			TOTAL		
	HUDSON LINE			HARLEM LINE			NEW HAVEN LINE			EMPIRE SERVICE			TRAINS	CARS	PSGRS
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	3	21	222	2	14	318	2	16	310	0	0	0	7	51	850
1:00am	1	6	48	3	22	226	4	30	273	0	0	0	8	58	547
2:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00am	4	28	214	6	44	298	5	37	571	0	0	0	15	109	1,083
7:00am	4	26	351	6	41	841	4	25	873	2	10	161	16	102	2,226
8:00am	3	23	227	4	30	587	5	40	1,125	1	5	96	13	98	2,035
9:00am	3	21	245	4	32	419	4	33	677	0	0	0	11	86	1,341
10:00am	3	21	263	3	20	354	4	33	498	2	10	176	12	84	1,291
11:00am	3	19	264	3	22	415	4	31	562	1	5	122	11	77	1,363
12:00pm	3	21	357	4	28	550	4	27	676	0	0	0	11	76	1,583
1:00pm	3	23	474	4	28	732	4	32	1,032	2	10	208	13	93	2,446
2:00pm	3	21	765	5	40	1,167	4	34	1,482	2	10	136	14	105	3,550
3:00pm	5	34	1,404	7	57	2,205	6	44	2,541	2	11	276	20	146	6,426
4:00pm	7	46	2,783	10	71	3,896	9	70	5,493	1	5	239	27	192	12,411
5:00pm	13	87	6,570	13	107	9,426	19	143	12,506	1	5	208	46	342	28,710
6:00pm	9	57	4,436	12	97	7,175	14	111	9,676	0	0	0	35	265	21,287
7:00pm	6	40	2,208	8	64	4,043	8	55	4,254	1	5	202	23	164	10,707
8:00pm	3	19	862	4	28	1,997	5	44	3,030	1	5	101	13	96	5,990
9:00pm	5	34	1,313	4	28	1,453	4	35	2,292	0	0	0	13	97	5,058
10:00pm	3	21	642	2	12	567	4	27	1,724	1	5	39	10	65	2,972
11:00pm	2	13	378	3	20	660	3	21	726	0	0	0	8	54	1,764
TOTAL	86	581	24,026	107	805	37,329	116	888	50,321	17	86	1,964	326	2,360	113,640

SECTION C
SUBURBAN AND INTERCITY RAIL, TRANSIT BY LINE
QUEENS SECTOR, 2019-INBOUND

HOURS	MTA LIRR			AMTRAK			TOTAL		
				N.E. CORRIDOR					
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	6	68	220	0	0	0	6	68	220
1:00am	4	44	110	0	0	0	4	44	110
2:00am	5	54	110	2	10	64	7	64	174
3:00am	1	12	30	0	0	0	1	12	30
4:00am	4	44	670	0	0	0	4	44	670
5:00am	3	34	2,410	0	0	0	3	34	2,410
6:00am	17	172	13,160	0	0	0	17	172	13,160
7:00am	29	286	24,250	0	0	0	29	286	24,250
8:00am	36	384	33,350	1	5	190	37	389	33,540
9:00am	18	174	13,820	3	19	448	21	193	14,268
10:00am	10	108	5,370	2	16	380	12	124	5,750
11:00am	8	82	3,180	1	5	275	9	87	3,455
12:00pm	10	100	2,790	3	19	645	13	119	3,435
1:00pm	8	90	2,190	2	16	353	10	106	2,543
2:00pm	8	84	2,050	1	5	265	9	89	2,315
3:00pm	8	84	2,030	2	12	642	10	96	2,672
4:00pm	9	94	2,700	1	5	236	10	99	2,936
5:00pm	8	88	2,840	1	6	224	9	94	3,064
6:00pm	9	94	3,020	4	23	454	13	117	3,474
7:00pm	10	108	1,780	1	7	314	11	115	2,094
8:00pm	7	80	950	2	15	445	9	95	1,395
9:00pm	7	74	850	0	0	0	7	74	850
10:00pm	7	76	700	1	7	227	8	83	927
11:00pm	6	68	450	0	0	0	6	68	450
TOTAL	238	2,502	119,030	27	170	5,162	265	2,672	124,192

QUEENS SECTOR, 2019-OUTBOUND

HOURS	MTA LIRR			AMTRAK			TOTAL		
				N.E. CORRIDOR					
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	5	56	910	0	0	0	5	56	910
1:00am	4	44	490	0	0	0	4	44	490
2:00am	1	12	60	2	10	53	3	22	113
3:00am	4	42	190	0	0	0	4	42	190
4:00am	1	12	80	0	0	0	1	12	80
5:00am	4	44	310	0	0	0	4	44	310
6:00am	5	54	690	0	0	0	5	54	690
7:00am	7	70	1,440	1	6	145	8	76	1,585
8:00am	10	104	1,840	2	12	553	12	116	2,393
9:00am	7	72	950	0	0	0	7	72	950
10:00am	8	86	1,010	1	5	257	9	91	1,267
11:00am	9	98	1,330	4	24	507	13	122	1,837
12:00pm	7	70	1,870	3	19	451	10	89	2,321
1:00pm	7	78	1,950	1	5	215	8	83	2,165
2:00pm	9	102	4,680	2	16	336	11	118	5,016
3:00pm	13	136	9,150	3	19	593	16	155	9,743
4:00pm	22	222	14,620	1	5	297	23	227	14,917
5:00pm	32	348	27,630	3	19	695	35	367	28,325
6:00pm	21	220	20,230	1	5	260	22	225	20,490
7:00pm	13	138	10,950	2	12	548	15	150	11,498
8:00pm	9	100	6,830	2	14	91	11	114	6,921
9:00pm	7	70	4,030	0	0	0	7	70	4,030
10:00pm	9	92	4,050	0	0	0	9	92	4,050
11:00pm	9	100	2,360	0	0	0	9	100	2,360
TOTAL	223	2,370	117,650	28	171	5,001	251	2,541	122,651

SECTION C
SUBURBAN AND INTERCITY RAIL, TRANSIT BY LINE
NEW JERSEY SECTOR, 2019-INBOUND

HOURS	NJ TRANSIT						AMTRAK			TOTAL		
	NEC / NJCL			MIDTOWN DIRECT			N.E. CORRIDOR					
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	3	24	259	1	9	17	1	5	171	5	38	447
1:00am	2	17	461	0	0	0	2	10	104	4	27	565
2:00am	2	17	108	0	0	0	0	0	0	2	17	108
3:00am	0	0	0	0	0	0	0	0	0	0	0	0
4:00am	0	0	0	0	0	0	0	0	0	0	0	0
5:00am	4	35	1,190	2	18	669	0	0	0	6	53	1,859
6:00am	6	54	3,301	4	33	2,949	1	6	151	11	93	6,401
7:00am	11	97	11,255	4	34	3,782	1	5	159	16	136	15,196
8:00am	12	121	16,430	8	75	9,497	5	30	1,296	25	226	27,223
9:00am	11	90	8,946	4	34	4,135	3	15	550	18	139	13,631
10:00am	5	38	3,198	3	26	1,228	5	27	1,239	13	91	5,665
11:00am	3	27	2,242	3	25	1,387	7	39	837	13	91	4,466
12:00pm	2	18	1,457	2	17	577	6	36	1,029	10	71	3,063
1:00pm	4	38	1,597	2	16	749	5	31	684	11	85	3,030
2:00pm	3	28	1,029	2	16	545	4	26	674	9	70	2,248
3:00pm	3	25	1,746	2	17	908	5	29	929	10	71	3,583
4:00pm	5	43	2,616	2	17	686	4	21	780	11	81	4,082
5:00pm	4	36	1,945	4	35	1,456	3	19	737	11	90	4,138
6:00pm	6	55	2,281	2	16	1,289	4	22	802	12	93	4,372
7:00pm	6	51	1,295	3	23	441	3	17	821	12	91	2,557
8:00pm	4	34	561	2	17	495	9	49	781	15	100	1,837
9:00pm	3	28	376	2	19	741	3	17	435	8	64	1,552
10:00pm	4	37	448	2	18	306	3	17	419	9	72	1,173
11:00pm	1	8	167	2	16	108	1	5	142	4	29	417
TOTAL	104	921	62,908	56	481	31,965	75	426	12,740	235	1,828	107,613

NEW JERSEY SECTOR, 2019-OUTBOUND

HOURS	NJ TRANSIT						AMTRAK			TOTAL		
	NEC / NJCL			MIDTOWN DIRECT			N.E. CORRIDOR					
	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS	TRAINs	CARS	PSGRS
12:00am	2	17	546	3	27	532	0	0	0	5	44	1,078
1:00am	2	16	316	0	0	0	0	0	0	2	16	316
2:00am	0	0	0	0	0	0	0	0	0	0	0	0
3:00am	0	0	0	0	0	0	2	10	75	2	10	75
4:00am	2	17	120	0	0	0	0	0	0	2	17	120
5:00am	4	34	263	1	9	74	2	13	160	7	56	497
6:00am	5	41	820	3	27	598	3	15	296	11	83	1,714
7:00am	6	51	1,334	3	24	1,577	6	31	615	15	106	3,526
8:00am	5	44	1,225	4	36	558	3	17	707	12	97	2,490
9:00am	5	47	1,278	3	24	448	5	29	777	13	100	2,503
10:00am	2	18	395	3	25	422	5	31	714	10	74	1,531
11:00am	3	26	1,067	2	16	348	4	26	576	9	68	1,991
12:00pm	3	25	1,185	2	17	626	7	39	795	12	81	2,606
1:00pm	3	27	1,330	2	16	910	1	5	217	6	48	2,457
2:00pm	4	37	2,474	2	17	617	8	46	1,247	14	100	4,338
3:00pm	5	44	3,125	2	17	1,297	5	32	1,107	12	93	5,529
4:00pm	7	65	6,319	5	40	4,358	5	28	1,148	17	133	11,825
5:00pm	13	125	15,652	5	46	7,032	4	23	1,049	22	194	23,733
6:00pm	9	87	9,424	7	61	7,107	7	39	1,196	23	187	17,727
7:00pm	6	51	4,728	3	24	2,044	2	12	569	11	87	7,341
8:00pm	5	42	2,487	3	26	2,303	1	10	178	9	78	4,968
9:00pm	4	36	2,067	2	18	1,451	2	11	395	8	65	3,913
10:00pm	3	26	1,684	3	27	1,100	1	7	201	7	60	2,985
11:00pm	2	19	1,082	1	6	178	1	5	55	4	30	1,315
TOTAL	100	895	58,921	59	503	33,580	74	429	12,077	233	1,827	104,578

SECTION D
AUTO, TAXI, COMMUTER VAN & TRUCK OCCUPANTS BY SECTOR
SUMMARY, 2019-INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	9,364	6,542	2,959	1,864	20,729
1:00am	5,479	4,152	1,785	1,416	12,832
2:00am	3,847	2,768	1,415	1,063	9,093
3:00am	3,784	2,517	1,855	1,193	9,349
4:00am	5,448	4,226	3,400	2,241	15,315
5:00am	11,794	9,034	6,951	6,173	33,952
6:00am	17,638	14,449	9,562	8,265	49,914
7:00am	20,268	15,567	10,262	7,884	53,981
8:00am	22,010	15,447	10,330	7,009	54,796
9:00am	20,828	15,232	9,455	6,402	51,917
10:00am	19,865	13,714	7,767	6,307	47,653
11:00am	19,076	12,162	7,715	5,820	44,773
12:00pm	18,394	11,779	7,357	5,355	42,885
1:00pm	17,984	11,654	7,548	4,642	41,828
2:00pm	18,106	11,847	8,337	5,041	43,331
3:00pm	18,207	11,605	8,482	5,226	43,520
4:00pm	18,994	11,481	8,724	5,197	44,396
5:00pm	19,412	12,234	8,360	4,728	44,734
6:00pm	20,342	11,791	8,887	4,967	45,987
7:00pm	19,533	11,734	8,242	4,488	43,997
8:00pm	18,611	11,875	7,176	4,245	41,907
9:00pm	17,927	11,856	6,429	4,373	40,585
10:00pm	17,905	11,503	6,303	4,118	39,829
11:00pm	14,797	9,834	4,835	3,013	32,479
TOTAL	379,613	255,003	164,136	111,030	909,782

Notes: 1. New Jersey Sector - Lincoln and Holland Tunnels (LHTT) counts exclude commuter buses.
 2. LHTT westbound data are collected using miovision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound and westbound volumes.

SECTION D
AUTO, TAXI, COMMUTER VAN & TRUCK OCCUPANTS BY SECTOR
SUMMARY, 2019-OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	10,160	10,023	5,957	3,372	29,512
1:00am	5,937	7,320	3,827	2,116	19,200
2:00am	4,402	5,188	2,487	1,428	13,505
3:00am	4,175	4,409	2,131	1,341	12,056
4:00am	5,420	4,184	3,065	1,831	14,500
5:00am	9,228	4,757	4,451	2,840	21,276
6:00am	15,228	7,077	6,200	3,991	32,496
7:00am	20,078	8,111	5,850	4,682	38,721
8:00am	19,404	9,040	5,014	4,493	37,951
9:00am	19,355	9,499	4,893	4,055	37,802
10:00am	18,953	10,435	6,059	4,547	39,994
11:00am	18,230	10,961	6,913	5,065	41,169
12:00pm	18,863	11,406	7,321	5,612	43,202
1:00pm	19,500	12,075	8,253	6,537	46,365
2:00pm	21,069	13,116	8,353	8,053	50,591
3:00pm	22,213	13,280	9,760	8,601	53,854
4:00pm	22,752	14,760	10,304	8,076	55,892
5:00pm	21,603	15,285	8,900	7,345	53,133
6:00pm	22,425	16,437	8,450	7,119	54,431
7:00pm	22,352	16,239	8,982	6,858	54,431
8:00pm	20,868	16,246	9,450	6,887	53,451
9:00pm	21,060	15,412	8,581	6,980	52,033
10:00pm	20,009	14,058	8,350	6,574	48,991
11:00pm	15,814	13,354	7,423	5,307	41,898
TOTAL	399,098	262,672	160,974	123,710	946,454

Notes:

1. New Jersey Sector - Lincoln and Holland Tunnels (LTHT) counts exclude commuter buses.
2. LTHT westbound data are collected using miovision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound and westbound volumes.

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
60TH STREET SECTOR, 2019-INBOUND

III - 34

HOURS	FDR DRIVE	YORK AVE	SECOND AVE	LEXINGTON AVENUE	PARK AVE	FIFTH AVENUE	SEVENTH AVE (C.P. Exit) *	BROADWAY	COLUMBUS AVENUE	WEST END AVENUE	WEST SIDE HIGHWAY	TOTAL
12:00am	2,221	287	2,232	779	388	904	0	423	847	315	968	9,364
1:00am	1,039	166	1,519	439	181	518	0	253	545	192	627	5,479
2:00am	766	106	1,159	303	97	349	0	152	380	117	418	3,847
3:00am	738	109	1,168	329	89	319	0	122	338	86	486	3,784
4:00am	1,281	167	1,576	434	108	440	0	122	342	128	850	5,448
5:00am	3,544	337	2,231	675	219	932	0	222	585	235	2,814	11,794
6:00am	5,071	550	2,237	861	677	1,466	0	513	828	507	4,928	17,638
7:00am	5,613	481	2,238	1,016	1,308	1,614	0	873	1,141	908	5,076	20,268
8:00am	5,871	501	2,330	1,171	1,770	1,735	0	1,226	1,354	1,166	4,886	22,010
9:00am	5,756	508	2,048	1,053	1,643	1,523	0	1,243	1,319	1,141	4,594	20,828
10:00am	5,636	610	2,222	1,003	1,529	1,347	0	1,114	1,279	915	4,210	19,865
11:00am	5,639	696	2,133	1,030	1,293	1,156	0	976	1,319	901	3,933	19,076
12:00pm	5,395	693	2,298	1,033	1,366	1,032	0	1,032	1,257	903	3,385	18,394
1:00pm	5,101	692	2,315	935	1,330	1,027	0	963	1,275	905	3,441	17,984
2:00pm	4,942	693	2,337	1,017	1,372	1,069	0	977	1,242	906	3,551	18,106
3:00pm	4,822	920	2,265	997	1,292	1,108	0	947	1,298	905	3,653	18,207
4:00pm	4,600	1,045	2,334	904	1,424	1,174	0	982	1,278	928	4,325	18,994
5:00pm	4,549	963	2,401	969	1,600	1,197	0	1,052	1,336	1,016	4,329	19,412
6:00pm	4,976	893	2,406	1,197	1,537	1,263	0	965	1,284	1,210	4,611	20,342
7:00pm	4,621	853	2,405	1,269	1,528	1,459	0	1,093	1,276	1,199	3,830	19,533
8:00pm	4,938	816	2,316	1,220	1,448	1,601	0	1,030	1,353	1,045	2,844	18,611
9:00pm	4,623	717	2,631	1,348	1,404	1,620	0	898	1,325	900	2,461	17,927
10:00pm	4,733	651	2,822	1,239	1,314	1,657	0	940	1,430	832	2,287	17,905
11:00pm	3,567	496	2,713	1,193	967	1,491	0	740	1,292	670	1,668	14,797
TOTAL	100,042	13,950	52,336	22,414	25,884	28,001	0	18,858	25,923	18,030	74,175	379,613

* Central Park South and 7th Avenue, open only to authorized vehicles and not general traffic.

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
60TH STREET SECTOR, 2019-OUTBOUND

HOURS	FDR DRIVE	YORK AVE	FIRST AVE	E. KOCH QUEENS-BORO RAMP	THIRD AVE	PARK AVE	MADISON AVE	SIXTH AVE (C.P. En-trance) *	EIGHT AVE	BROADWAY	AMSTER-DAM AVE	WEST END AVE	WEST SIDE HWY	TOTAL	
III - 35	12:00am	1,787	336	934	1,234	1,148	372	932	0	472	388	693	131	1,733	10,160
	1:00am	1,016	158	601	803	772	152	512	0	259	259	432	72	901	5,937
	2:00am	979	153	432	653	535	76	361	0	169	143	308	40	553	4,402
	3:00am	835	131	370	855	514	53	357	0	136	140	319	45	420	4,175
	4:00am	1,213	165	502	1,347	575	79	302	0	174	154	350	76	483	5,420
	5:00am	2,012	399	817	2,347	835	173	489	0	331	257	671	166	731	9,228
	6:00am	4,008	839	1,574	2,131	1,328	471	785	0	554	502	888	420	1,728	15,228
	7:00am	4,608	1,262	1,882	1,867	1,685	1,429	1,100	0	902	748	1,210	711	2,674	20,078
	8:00am	4,107	1,163	1,633	1,746	1,586	1,724	1,021	0	915	809	1,104	755	2,841	19,404
	9:00am	4,618	1,146	1,709	1,737	1,703	1,513	963	0	950	762	1,115	849	2,290	19,355
	10:00am	4,072	1,053	1,534	1,784	1,598	1,499	1,027	0	1,082	754	1,177	819	2,554	18,953
	11:00am	3,467	1,101	1,557	1,773	1,574	1,302	1,071	0	994	680	1,235	703	2,773	18,230
	12:00pm	3,919	1,126	1,405	1,661	1,671	1,359	1,096	0	1,074	694	1,140	544	3,174	18,863
	1:00pm	3,752	1,140	1,515	1,767	1,659	1,376	1,098	0	1,133	725	1,283	544	3,508	19,500
	2:00pm	4,127	1,206	1,428	1,978	1,804	1,541	1,174	0	1,112	775	1,363	626	3,935	21,069
	3:00pm	4,541	1,201	1,520	2,031	1,554	1,586	1,181	0	1,176	788	1,440	664	4,531	22,213
	4:00pm	4,233	939	1,855	2,216	1,535	1,671	1,342	0	1,201	843	1,601	1,008	4,308	22,752
	5:00pm	3,574	1,034	1,838	1,997	1,928	1,839	1,350	0	1,245	839	1,659	1,131	3,169	21,603
	6:00pm	3,865	1,146	1,889	2,082	1,963	1,829	1,601	0	1,394	918	1,683	1,048	3,007	22,425
	7:00pm	3,691	873	1,660	1,886	2,086	1,570	1,785	0	1,344	847	1,546	957	4,107	22,352
	8:00pm	4,123	972	1,598	1,823	1,783	1,330	1,498	0	1,137	709	1,251	468	4,176	20,868
	9:00pm	4,002	876	1,824	1,895	1,838	1,297	1,589	0	1,153	704	1,148	361	4,373	21,060
	10:00pm	4,279	711	1,424	2,211	1,689	1,160	1,572	0	1,074	682	1,228	315	3,664	20,009
	11:00pm	3,145	527	1,354	1,913	1,536	698	1,354	0	808	589	997	210	2,683	15,814
TOTAL	79,973	19,657	32,855	41,737	34,899	26,099	25,560	0	20,789	14,709	25,841	12,663	64,316	399,098	

* Center Drive / East Drive, between the 6th Avenue entrance on Park South and East 72nd Street: open only to authorized vehicles and not general traffic.

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
BROOKLYN, QUEENS, and NEW JERSEY SECTORS, 2019-INBOUND

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HOURS	BROOKLYN SECTOR					QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL
	BROOKLYN BRIDGE (1)	MANHATTAN BRIDGE	WILLIAMSBURG BRIDGE	HUGH L. CAREY TUNNEL	SECTOR TOTAL	MIDTOWN TUNNEL	ED KOCH QUEENSBORO BRIDGE	SECTOR TOTAL	HOLLAND TUNNEL	LINCOLN TUNNEL	SECTOR TOTAL	
12:00am	3,305	887	2,221	129	6,542	925	2,034	2,959	962	902	1,864	11,365
1:00am	1,928	596	1,580	48	4,152	332	1,453	1,785	729	687	1,416	7,353
2:00am	1,032	501	1,195	40	2,768	180	1,235	1,415	487	576	1,063	5,246
3:00am	901	463	1,104	49	2,517	201	1,654	1,855	537	656	1,193	5,565
4:00am	1,610	713	1,753	150	4,226	556	2,844	3,400	1,017	1,224	2,241	9,867
5:00am	3,332	1,406	3,369	927	9,034	1,922	5,029	6,951	2,699	3,474	6,173	22,158
6:00am	6,192	2,317	3,252	2,688	14,449	2,997	6,565	9,562	3,329	4,936	8,265	32,276
7:00am	6,539	2,532	3,183	3,313	15,567	4,024	6,238	10,262	3,653	4,231	7,884	33,713
8:00am	6,702	2,574	3,041	3,130	15,447	4,657	5,673	10,330	3,346	3,663	7,009	32,786
9:00am	6,314	2,530	3,243	3,145	15,232	4,640	4,815	9,455	3,381	3,021	6,402	31,089
10:00am	6,208	2,581	2,633	2,292	13,714	3,523	4,244	7,767	3,148	3,159	6,307	27,788
11:00am	5,267	2,285	2,701	1,909	12,162	3,547	4,168	7,715	2,694	3,126	5,820	25,697
12:00pm	5,238	2,134	2,612	1,795	11,779	3,327	4,030	7,357	2,692	2,663	5,355	24,491
1:00pm	5,341	2,089	2,680	1,544	11,654	3,209	4,339	7,548	2,291	2,351	4,642	23,844
2:00pm	5,594	1,810	2,745	1,698	11,847	3,533	4,804	8,337	2,512	2,529	5,041	25,225
3:00pm	5,679	1,559	2,714	1,653	11,605	3,756	4,726	8,482	2,743	2,483	5,226	25,313
4:00pm	5,908	1,441	2,747	1,385	11,481	3,997	4,727	8,724	3,134	2,063	5,197	25,402
5:00pm	6,646	1,535	2,639	1,414	12,234	3,799	4,561	8,360	3,139	1,589	4,728	25,322
6:00pm	6,041	1,702	2,640	1,408	11,791	4,123	4,764	8,887	2,938	2,029	4,967	25,645
7:00pm	5,920	1,860	2,647	1,307	11,734	3,812	4,430	8,242	2,475	2,013	4,488	24,464
8:00pm	6,069	1,993	2,903	910	11,875	3,204	3,972	7,176	2,137	2,108	4,245	23,296
9:00pm	6,337	1,988	2,857	674	11,856	2,546	3,883	6,429	2,227	2,146	4,373	22,658
10:00pm	6,094	1,907	2,983	519	11,503	2,433	3,870	6,303	2,094	2,024	4,118	21,924
11:00pm	5,105	1,523	2,869	337	9,834	1,539	3,296	4,835	1,414	1,599	3,013	17,682
TOTAL	119,302	40,926	62,311	32,464	255,003	66,782	97,354	164,136	55,778	55,252	111,030	530,169

(1) The presented hourly average volumes are based on two weeks' worth of mid-week data, all of which underwent QAQC. The numbers for this specific location in 2019 are significantly higher than previous years, so please use your own discretion when using these numbers in any analysis.

Notes: - New Jersey Sector - Lincoln and Holland Tunnels (LTHT) counts exclude commuter buses.

- LTHT westbound data are collected using miovision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound and westbound volumes.

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
BROOKLYN, QUEENS, and NEW JERSEY SECTORS, 2019-OUTBOUND

HOURS	BROOKLYN SECTOR					QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL
	BROOKLYN BRIDGE	MANHATTAN BRIDGE	WILLIAMSBURG BRIDGE (1)	HUGH L. CAREY TUNNEL	SECTOR TOTAL	MIDTOWN TUNNEL	ED KOCH QUEENSBORO BRIDGE (1)	SECTOR TOTAL	HOLLAND TUNNEL	LINCOLN TUNNEL	SECTOR TOTAL	
12:00am	3,383	1,851	4,207	582	10,023	1,372	4,585	5,957	1,248	2,124	3,372	19,352
1:00am	3,292	1,137	2,718	173	7,320	677	3,150	3,827	943	1,173	2,116	13,263
2:00am	2,570	736	1,800	82	5,188	405	2,082	2,487	714	714	1,428	9,103
3:00am	2,402	582	1,365	60	4,409	369	1,762	2,131	703	638	1,341	7,881
4:00am	1,772	713	1,632	67	4,184	715	2,350	3,065	1,076	755	1,831	9,080
5:00am	923	1,209	2,473	152	4,757	1,420	3,031	4,451	1,764	1,076	2,840	12,048
6:00am	586	1,888	4,007	596	7,077	2,102	4,098	6,200	2,390	1,601	3,991	17,268
7:00am	699	2,147	4,366	899	8,111	1,984	3,866	5,850	2,711	1,971	4,682	18,643
8:00am	1,352	2,222	4,390	1,076	9,040	1,772	3,242	5,014	2,526	1,967	4,493	18,547
9:00am	2,349	2,133	3,926	1,091	9,499	1,942	2,951	4,893	2,295	1,760	4,055	18,447
10:00am	3,002	2,151	4,218	1,064	10,435	2,266	3,793	6,059	2,160	2,387	4,547	21,041
11:00am	3,131	2,138	4,460	1,232	10,961	2,812	4,101	6,913	2,318	2,747	5,065	22,939
12:00pm	3,398	2,151	4,402	1,455	11,406	3,205	4,116	7,321	2,490	3,122	5,612	24,339
1:00pm	3,410	2,283	4,508	1,874	12,075	3,986	4,267	8,253	2,548	3,989	6,537	26,865
2:00pm	3,520	2,731	4,595	2,270	13,116	3,474	4,879	8,353	2,832	5,221	8,053	29,522
3:00pm	2,989	3,117	4,691	2,483	13,280	4,121	5,639	9,760	2,804	5,797	8,601	31,641
4:00pm	3,022	3,494	5,427	2,817	14,760	4,248	6,056	10,304	2,748	5,328	8,076	33,140
5:00pm	3,342	3,226	5,674	3,043	15,285	3,490	5,410	8,900	2,567	4,778	7,345	31,530
6:00pm	4,404	3,415	5,639	2,979	16,437	3,440	5,010	8,450	2,425	4,694	7,119	32,006
7:00pm	4,643	3,246	5,533	2,817	16,239	3,784	5,198	8,982	2,473	4,385	6,858	32,079
8:00pm	5,207	3,000	5,572	2,467	16,246	3,965	5,485	9,450	2,675	4,212	6,887	32,583
9:00pm	5,067	2,790	5,570	1,985	15,412	3,732	4,849	8,581	2,821	4,159	6,980	30,973
10:00pm	4,868	2,809	4,940	1,441	14,058	3,356	4,994	8,350	2,621	3,953	6,574	28,982
11:00pm	4,800	2,550	5,031	973	13,354	2,923	4,500	7,423	2,467	2,840	5,307	26,084
TOTAL	74,131	53,719	101,144	33,678	262,672	61,560	99,414	160,974	52,319	71,391	123,710	547,356

- (1) The presented hourly average volumes are based on two weeks' worth of mid-week data, all of which underwent QAQC. The numbers for these specific locations in 2019 are significantly higher than previous years, so please use your own discretion when using these numbers in any analysis.
- Notes:
- New Jersey Sector - Lincoln and Holland Tunnels (LTHT) counts exclude commuter buses.
 - LTHT westbound data are collected using miovision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound and westbound volumes.

SECTION E
AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY SECTOR, SUMMARY- 2019
INBOUND **OUTBOUND**

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL	HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSY SECTOR	TOTAL
12:00am	7,050	5,518	2,394	1,484	16,446	12:00am	7,797	7,423	4,553	2,554	22,327
1:00am	4,130	3,488	1,467	1,127	10,212	1:00am	4,558	5,376	2,957	1,625	14,516
2:00am	2,896	2,308	1,171	848	7,223	2:00am	3,394	3,802	1,927	1,108	10,231
3:00am	2,866	2,096	1,539	952	7,453	3:00am	3,223	3,223	1,648	1,045	9,139
4:00am	4,146	3,533	2,802	1,788	12,269	4:00am	4,218	3,070	2,341	1,444	11,073
5:00am	9,104	7,587	5,650	5,720	28,061	5:00am	7,163	3,514	3,341	2,253	16,271
6:00am	14,362	12,242	8,383	6,909	41,896	6:00am	12,449	5,096	4,213	3,216	24,974
7:00am	16,040	13,483	8,695	6,087	44,305	7:00am	16,102	5,925	3,896	3,646	29,569
8:00am	16,765	13,086	8,471	5,431	43,753	8:00am	15,307	6,575	3,452	3,441	28,775
9:00am	15,898	12,898	7,566	5,021	41,383	9:00am	14,900	6,932	3,452	3,104	28,388
10:00am	15,262	11,486	6,232	4,925	37,905	10:00am	14,497	7,711	4,569	3,458	30,235
11:00am	14,580	10,392	6,192	4,555	35,719	11:00am	13,988	8,137	5,268	3,919	31,312
12:00pm	13,841	9,831	5,844	4,177	33,693	12:00pm	14,347	8,512	5,560	4,299	32,718
1:00pm	13,667	9,741	5,911	3,712	33,031	1:00pm	14,942	9,274	6,312	5,007	35,535
2:00pm	13,976	9,797	6,478	3,987	34,238	2:00pm	16,049	10,036	6,398	5,880	38,363
3:00pm	14,156	9,938	6,618	3,986	34,698	3:00pm	16,960	10,639	7,405	6,424	41,428
4:00pm	14,673	9,758	6,580	3,942	34,953	4:00pm	16,719	11,290	7,882	6,257	42,148
5:00pm	14,664	10,232	6,423	3,791	35,110	5:00pm	15,555	11,566	6,754	5,710	39,585
6:00pm	15,528	10,486	6,761	4,268	37,043	6:00pm	16,211	12,305	6,341	5,398	40,255
7:00pm	15,083	10,393	6,445	3,570	35,491	7:00pm	16,431	12,264	6,639	5,302	40,636
8:00pm	14,175	10,070	5,711	3,382	33,338	8:00pm	15,991	12,186	6,946	5,233	40,356
9:00pm	13,611	10,057	5,149	3,483	32,300	9:00pm	16,169	11,526	6,287	5,320	39,302
10:00pm	13,545	9,745	5,054	3,280	31,624	10:00pm	15,372	10,442	6,160	5,005	36,979
11:00pm	11,161	8,316	3,910	2,403	25,790	11:00pm	12,148	9,885	5,486	4,091	31,610

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Note 1 : Volumes for the four East River bridges, and for the 60th Street screenline, are provided by the New York City Department of Transportation (NYC DOT). These volumes are obtained using Automatic Traffic Recorders (ATRs), which record each vehicle as it passes over a pneumatic tube. A total of 40 ATRs are deployed simultaneously during the two-week counting period in October. All ATR machines and tubes are maintained daily. Nevertheless, it is not possible to obtain valid data from all 40 ATRs for any specific continuous 24-hour period. This is due to a number of factors, notably vehicles parked on pneumatic tubes, breakage of pneumatic tubes, ATR damage and battery depletion, unusual circumstances disrupting traffic flow (accidents, fires, police actions, etc.). As a result, it is necessary to use the average of valid data from each individual ATR to develop representative traffic counts at all locations. The Hub Bound report data reported for other facilities is generally collected on a typical fall day (i.e., October 23, 2019). Thus, there may be some variation in this report and the reports produced by NYC DOT.

Note 2 : The presented hourly average volumes are based on two weeks' worth of mid-week data, all of which underwent QA/QC. The numbers for some locations in 2019 are significantly higher than previous years, so please use your own discretion when using these numbers in any analysis.

Note 3 : New Jersey Sector - Lincoln and Holland Tunnels (LTHT) counts exclude commuter buses. LTHT westbound data are collected using miovision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound data.

SECTION E
AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY FACILITY
60TH STREET SECTOR, 2019-INBOUND

HOURS	FDR DRIVE	YORK AVENUE	SECOND AVENUE	LEXINGTON AVENUE	PARK AVE	FIFTH AVENUE	SEVENTH AVE (C.P. EXIT) *	BROADWAY	COLUMBUS AVENUE	WEST END AVENUE	WEST SIDE HWY	TOTAL
12:00am	1,633	256	1,606	660	283	583	0	311	642	219	857	7,050
1:00am	764	148	1,093	372	132	334	0	186	413	133	555	4,130
2:00am	563	95	834	257	71	225	0	112	288	81	370	2,896
3:00am	543	97	840	279	65	206	0	90	256	60	430	2,866
4:00am	942	149	1,134	368	79	284	0	90	259	89	752	4,146
5:00am	2,606	301	1,605	572	160	601	0	163	443	163	2,490	9,104
6:00am	4,057	518	1,695	742	499	926	0	346	705	349	4,525	14,362
7:00am	4,164	447	1,665	813	1,059	985	0	630	925	639	4,713	16,040
8:00am	4,227	445	1,696	919	1,281	1,002	0	881	1,006	805	4,503	16,765
9:00am	4,082	448	1,550	858	1,190	920	0	911	975	757	4,207	15,898
10:00am	3,994	530	1,666	866	1,078	848	0	798	932	663	3,887	15,262
11:00am	3,881	620	1,627	863	970	749	0	732	972	642	3,524	14,580
12:00pm	3,721	608	1,692	848	960	691	0	758	961	643	2,959	13,841
1:00pm	3,649	601	1,668	807	970	707	0	728	938	630	2,969	13,667
2:00pm	3,669	643	1,697	889	981	727	0	698	906	678	3,088	13,976
3:00pm	3,612	784	1,613	946	958	752	0	727	945	634	3,185	14,156
4:00pm	3,498	886	1,601	812	1,026	775	0	742	970	670	3,693	14,673
5:00pm	3,289	882	1,602	828	1,100	798	0	774	1,016	706	3,669	14,664
6:00pm	3,727	787	1,580	982	1,159	831	0	766	1,021	774	3,901	15,528
7:00pm	3,656	785	1,645	1,066	1,154	974	0	824	988	802	3,189	15,083
8:00pm	3,631	729	1,666	1,034	1,057	1,033	0	757	1,025	726	2,517	14,175
9:00pm	3,399	640	1,893	1,142	1,025	1,045	0	660	1,004	625	2,178	13,611
10:00pm	3,480	581	2,030	1,050	959	1,069	0	691	1,083	578	2,024	13,545
11:00pm	2,623	443	1,952	1,011	706	962	0	544	979	465	1,476	11,161
TOTAL	73,410	12,423	37,650	18,984	18,922	18,027	0	13,919	19,652	12,531	65,661	291,179

* Central Park South and 7th Avenue, open for high occupancy vehicles (HOVs) only: Monday to Friday, 8 AM to 10 AM

Note 1: Volumes for the four East River bridges, and for the 60th Street screenline, are provided by the New York City Department of Transportation (NYC DOT). These volumes are obtained using Automatic Traffic Recorders (ATRs), which record each vehicle as it passes over a pneumatic tube. A total of 40 ATRs are deployed simultaneously during the two-week counting period in October. All ATR machines and tubes are maintained daily. Nevertheless, it is not possible to obtain valid data from all 40 ATRs for any specific continuous 24-hour period. This is due to a number of factors, notably vehicles parked on pneumatic tubes, breakage of pneumatic tubes, ATR damage and battery depletion, unusual circumstances disrupting traffic flow (accidents, fires, police actions, etc.). As a result, it is necessary to use the average of valid data from each individual ATR to develop representative traffic counts at all locations. The Hub Bound report data reported for other facilities is generally collected on a typical fall day (i.e., October 23, 2019). Thus, there may be some variation in this report and the reports produced by NYC DOT.

SECTION E
AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY FACILITY
60TH STREET SECTOR, 2019-OUTBOUND

HOURS	FDR DRIVE	YORK AVE	FIRST AVE	ED KOCH QUEENS-BORO RAMP	THIRD AVE	PARK AVE	MADISON AVE	SIXTH AVE (C.P. Entrance) *	EIGHT AVE	BROADWAY	AMSTERDAM AVE	WEST END AVE	WEST SIDE HWY	TOTAL
12:00am	1,453	230	753	1,020	781	245	643	0	268	294	525	91	1,494	7,797
1:00am	826	108	485	664	525	100	353	0	147	196	327	50	777	4,558
2:00am	796	105	348	540	364	50	249	0	96	108	233	28	477	3,394
3:00am	679	90	298	707	350	35	246	0	77	106	242	31	362	3,223
4:00am	986	113	405	1,113	391	52	208	0	99	117	265	53	416	4,218
5:00am	1,636	273	659	1,940	568	114	337	0	188	195	508	115	630	7,163
6:00am	3,343	605	1,290	1,943	983	307	680	0	395	359	777	271	1,496	12,449
7:00am	3,824	824	1,543	1,724	1,246	903	952	0	581	551	1,013	499	2,442	16,102
8:00am	3,420	784	1,292	1,583	1,141	1,066	882	0	564	569	957	496	2,553	15,307
9:00am	3,616	809	1,347	1,537	1,217	1,005	778	0	556	540	935	565	1,995	14,900
10:00am	3,199	731	1,258	1,529	1,161	986	726	0	611	572	943	558	2,223	14,497
11:00am	2,780	761	1,279	1,443	1,150	893	734	0	587	552	954	507	2,348	13,988
12:00pm	3,128	749	1,170	1,345	1,168	962	731	0	590	534	893	421	2,656	14,347
1:00pm	3,215	775	1,248	1,430	1,145	974	727	0	607	562	943	417	2,899	14,942
2:00pm	3,527	812	1,183	1,536	1,186	1,029	765	0	643	585	988	443	3,352	16,049
3:00pm	3,781	819	1,260	1,584	1,045	1,034	772	0	653	610	1,037	472	3,893	16,960
4:00pm	3,207	662	1,416	1,722	1,000	1,055	857	0	660	665	1,146	672	3,657	16,719
5:00pm	2,747	690	1,407	1,614	1,162	1,147	829	0	676	660	1,157	785	2,681	15,555
6:00pm	3,184	742	1,516	1,637	1,192	1,181	948	0	711	680	1,140	734	2,546	16,211
7:00pm	3,076	672	1,342	1,496	1,259	1,042	1,001	0	673	659	1,052	658	3,501	16,431
8:00pm	3,352	666	1,289	1,507	1,213	875	1,033	0	646	537	948	325	3,600	15,991
9:00pm	3,254	600	1,471	1,566	1,250	853	1,096	0	655	533	870	251	3,770	16,169
10:00pm	3,479	487	1,148	1,827	1,149	763	1,084	0	610	517	930	219	3,159	15,372
11:00pm	2,557	361	1,092	1,581	1,045	459	934	0	459	446	755	146	2,313	12,148
TOTAL	65,065	13,468	26,499	34,588	23,691	17,130	17,565	0	11,752	11,147	19,538	8,807	55,240	304,490

* Center Drive / East Drive, between the 6th Avenue entrance on Park South and east 72nd Street: Monday to Friday, 7 AM to 7 PM

Note 1: Volumes for the four East River bridges, and for the 60th Street screenline, are provided by the New York City Department of Transportation (NYC DOT). These volumes are obtained using Automatic Traffic Recorders (ATRs), which record each vehicle as it passes over a pneumatic tube. A total of 40 ATRs are deployed simultaneously during the two-week counting period in October. All ATR machines and tubes are maintained daily. Nevertheless, it is not possible to obtain valid data from all 40 ATRs for any specific continuous 24-hour period. This is due to a number of factors, notably vehicles parked on pneumatic tubes, breakage of pneumatic tubes, ATR damage and battery depletion, unusual circumstances disrupting traffic flow (accidents, fires, police actions, etc.). As a result, it is necessary to use the average of valid data from each individual ATR to develop representative traffic counts at all locations. The Hub Bound report data reported for other facilities is generally collected on a typical fall day (i.e., October 23, 2019). Thus, there may be some variation in this report and the reports produced by NYC DOT.

SECTION E
AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY FACILITY
BROOKLYN, QUEENS, and NEW JERSEY SECTORS, 2019-INBOUND

HOURS	BROOKLYN SECTOR					QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL
	BROOKLYN BRIDGE	MANHATTAN BRIDGE	WILLIAMSBURG BRIDGE	HUGH L. CAREY TUNNEL	SECTOR TOTAL	MIDTOWN TUNNEL	ED KOCH QUEENSBORO BRIDGE	SECTOR TOTAL	HOLLAND TUNNEL	LINCOLN TUNNEL	SECTOR TOTAL	
12:00am	2,899	715	1,791	113	5,518	685	1,709	2,394	754	730	1,484	9,396
1:00am	1,691	481	1,274	42	3,488	246	1,221	1,467	571	556	1,127	6,082
2:00am	905	404	964	35	2,308	133	1,038	1,171	382	466	848	4,327
3:00am	790	373	890	43	2,096	149	1,390	1,539	421	531	952	4,587
4:00am	1,412	575	1,414	132	3,533	412	2,390	2,802	797	991	1,788	8,123
5:00am	2,923	1,134	2,717	813	7,587	1,424	4,226	5,650	2,494	3,226	5,720	18,957
6:00am	5,329	1,820	2,674	2,419	12,242	2,669	5,714	8,383	2,715	4,194	6,909	27,534
7:00am	5,838	2,034	2,607	3,004	13,483	3,285	5,410	8,695	2,613	3,474	6,087	28,265
8:00am	5,680	2,096	2,462	2,848	13,086	3,585	4,886	8,471	2,448	2,983	5,431	26,988
9:00am	5,438	2,055	2,572	2,833	12,898	3,468	4,098	7,566	2,512	2,509	5,021	25,485
10:00am	5,279	2,095	2,096	2,016	11,486	2,635	3,597	6,232	2,342	2,583	4,925	22,643
11:00am	4,797	1,850	2,079	1,666	10,392	2,710	3,482	6,192	2,052	2,503	4,555	21,139
12:00pm	4,485	1,732	2,063	1,551	9,831	2,477	3,367	5,844	2,038	2,139	4,177	19,852
1:00pm	4,620	1,670	2,127	1,324	9,741	2,337	3,574	5,911	1,839	1,873	3,712	19,364
2:00pm	4,789	1,364	2,165	1,479	9,797	2,527	3,951	6,478	1,983	2,004	3,987	20,262
3:00pm	4,930	1,292	2,221	1,495	9,938	2,706	3,912	6,618	2,163	1,823	3,986	20,542
4:00pm	5,050	1,216	2,261	1,231	9,758	2,670	3,910	6,580	2,400	1,542	3,942	20,280
5:00pm	5,580	1,254	2,165	1,233	10,232	2,622	3,801	6,423	2,544	1,247	3,791	20,446
6:00pm	5,715	1,356	2,213	1,202	10,486	2,869	3,892	6,761	2,550	1,718	4,268	21,515
7:00pm	5,538	1,505	2,255	1,095	10,393	2,826	3,619	6,445	1,940	1,630	3,570	20,408
8:00pm	5,324	1,607	2,341	798	10,070	2,373	3,338	5,711	1,675	1,707	3,382	19,163
9:00pm	5,559	1,603	2,304	591	10,057	1,886	3,263	5,149	1,745	1,738	3,483	18,689
10:00pm	5,346	1,538	2,406	455	9,745	1,802	3,252	5,054	1,641	1,639	3,280	18,079
11:00pm	4,478	1,228	2,314	296	8,316	1,140	2,770	3,910	1,108	1,295	2,403	14,629
TOTAL	104,395	32,997	50,375	28,714	216,481	49,636	81,810	131,446	43,727	45,101	88,828	436,755

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Note 1 : Volumes for the four East River bridges, and for the 60th Street screenline, are provided by the New York City Department of Transportation (NYC DOT). These volumes are obtained using Automatic Traffic Recorders (ATRs), which record each vehicle as it passes over a pneumatic tube. A total of 40 ATRs are deployed simultaneously during the two-week counting period in October. All ATR machines and tubes are maintained daily. Nevertheless, it is not possible to obtain valid data from all 40 ATRs for any specific continuous 24-hour period. This is due to a number of factors, notably vehicles parked on pneumatic tubes, breakage of pneumatic tubes, ATR damage and battery depletion, unusual circumstances disrupting traffic flow (accidents, fires, police actions, etc.). As a result, it is necessary to use the average of valid data from each individual ATR to develop representative traffic counts at all locations. The Hub Bound report data reported for other facilities is generally collected on a typical fall day (i.e., October 23, 2019). Thus, there may be some variation in this report and the reports produced by NYC DOT.

Note 2 : The presented hourly average volumes are based on two weeks' worth of mid-week data, all of which underwent QA/QC. The numbers for some locations in 2019 are significantly higher than previous years, so please use your own discretion when using these numbers in any analysis.

Note 3 : New Jersey Sector - Lincoln and Holland Tunnels (LTHT) counts exclude commuter buses. LTHT westbound data are collected using miovision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound data.

SECTION E
AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY FACILITY
BROOKLYN, QUEENS, and NEW JERSEY SECTORS, 2019-OUTBOUND

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HOURS	BROOKLYN SECTOR					QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL
	BROOKLYN BRIDGE	MANHATTAN BRIDGE	WILLIAMSBURG BRIDGE	HUGH L. CAREY TUNNEL	SECTOR TOTAL	MIDTOWN TUNNEL	ED KOCH QUEENSBORO BRIDGE *	SECTOR TOTAL	HOLLAND TUNNEL	LINCOLN TUNNEL	SECTOR TOTAL	
12:00am	2,434	1,251	3,236	502	7,423	885	3,668	4,553	1,058	1,496	2,554	14,530
1:00am	2,368	768	2,091	149	5,376	437	2,520	2,957	799	826	1,625	9,958
2:00am	1,849	497	1,385	71	3,802	261	1,666	1,927	605	503	1,108	6,837
3:00am	1,728	393	1,050	52	3,223	238	1,410	1,648	596	449	1,045	5,916
4:00am	1,275	482	1,255	58	3,070	461	1,880	2,341	912	532	1,444	6,855
5:00am	664	817	1,902	131	3,514	916	2,425	3,341	1,495	758	2,253	9,108
6:00am	410	1,288	2,850	548	5,096	1,383	2,830	4,213	2,078	1,138	3,216	12,525
7:00am	484	1,496	3,121	824	5,925	1,259	2,637	3,896	2,278	1,368	3,646	13,467
8:00am	936	1,529	3,149	961	6,575	1,113	2,339	3,452	2,121	1,320	3,441	13,468
9:00am	1,600	1,438	2,945	949	6,932	1,223	2,229	3,452	1,884	1,220	3,104	13,488
10:00am	2,105	1,429	3,280	897	7,711	1,434	3,135	4,569	1,832	1,626	3,458	15,738
11:00am	2,225	1,439	3,447	1,026	8,137	1,870	3,398	5,268	1,976	1,943	3,919	17,324
12:00pm	2,417	1,441	3,461	1,193	8,512	2,057	3,503	5,560	2,128	2,171	4,299	18,371
1:00pm	2,554	1,535	3,627	1,558	9,274	2,624	3,688	6,312	2,200	2,807	5,007	20,593
2:00pm	2,609	1,805	3,703	1,919	10,036	2,305	4,093	6,398	2,388	3,492	5,880	22,314
3:00pm	2,247	2,228	4,027	2,137	10,639	2,729	4,676	7,405	2,339	4,085	6,424	24,468
4:00pm	2,224	2,353	4,233	2,480	11,290	2,675	5,207	7,882	2,319	3,938	6,257	25,429
5:00pm	2,459	2,214	4,308	2,585	11,566	2,253	4,501	6,754	2,168	3,542	5,710	24,030
6:00pm	3,267	2,238	4,288	2,512	12,305	2,187	4,154	6,341	2,004	3,394	5,398	24,044
7:00pm	3,536	2,074	4,240	2,414	12,264	2,389	4,250	6,639	2,108	3,194	5,302	24,205
8:00pm	3,746	2,027	4,286	2,127	12,186	2,558	4,388	6,946	2,267	2,966	5,233	24,365
9:00pm	3,645	1,885	4,285	1,711	11,526	2,408	3,879	6,287	2,391	2,929	5,320	23,133
10:00pm	3,502	1,898	3,800	1,242	10,442	2,165	3,995	6,160	2,221	2,784	5,005	21,607
11:00pm	3,453	1,723	3,870	839	9,885	1,886	3,600	5,486	2,091	2,000	4,091	19,462
TOTAL	53,737	36,248	77,839	28,885	196,709	39,716	80,071	119,787	44,258	50,481	94,739	411,235

Note 1 : Volumes for the four East River bridges, and for the 60th Street screenline, are provided by the New York City Department of Transportation (NYC DOT). These volumes are obtained using Automatic Traffic Recorders (ATRs), which record each vehicle as it passes over a pneumatic tube. A total of 40 ATRs are deployed simultaneously during the two-week counting period in October. All ATR machines and tubes are maintained daily. Nevertheless, it is not possible to obtain valid data from all 40 ATRs for any specific continuous 24-hour period. This is due to a number of factors, notably vehicles parked on pneumatic tubes, breakage of pneumatic tubes, ATR damage and battery depletion, unusual circumstances disrupting traffic flow (accidents, fires, police actions, etc.). As a result, it is necessary to use the average of valid data from each individual ATR to develop representative traffic counts at all locations. The Hub Bound report data reported for other facilities is generally collected on a typical fall day (i.e., October 23, 2019). Thus, there may be some variation in this report and the reports produced by NYC DOT.

Note 2 : The presented hourly average volumes are based on two weeks' worth of mid-week data, all of which underwent QA/QC. The numbers for some locations in 2019 are significantly higher than previous years, so please use your own discretion when using these numbers in any analysis.

Note 3 : New Jersey Sector - Lincoln and Holland Tunnels (LTHT) counts exclude commuter buses. LTHT westbound data are collected using miovision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound data.

SECTION F
FERRY AND TRAMWAY PASSENGERS BY FACILITY
2019-INBOUND

HOURS	BROOKLYN FERRY	QUEENS FERRY	NEW JERSEY FERRY	STATEN ISLAND FERRY (1)	TOTAL FERRIES	ROOSEVELT ISLAND (RI) TRAMWAY	TOTAL FERRIES and RI TRAMWAY
12:00am	0	0	2	49	51	4	55
1:00am	0	0	0	78	78	3	81
2:00am	0	0	0	69	69	0	69
3:00am	0	0	0	105	105	0	105
4:00am	0	0	0	628	628	0	628
5:00am	0	0	190	1,642	1,832	14	1,846
6:00am	8	61	1,836	3,197	5,102	57	5,159
7:00am	199	385	3,972	4,669	9,225	236	9,461
8:00am	518	975	5,990	4,537	12,020	486	12,506
9:00am	426	637	2,616	1,925	5,604	375	5,979
10:00am	236	267	856	1,833	3,192	239	3,431
11:00am	151	270	545	1,634	2,600	193	2,793
12:00pm	117	196	586	1,637	2,536	264	2,800
1:00pm	224	279	312	1,719	2,534	234	2,768
2:00pm	160	219	346	1,977	2,702	229	2,931
3:00pm	138	250	289	1,536	2,213	239	2,452
4:00pm	116	281	457	2,078	2,932	277	3,209
5:00pm	195	239	623	1,586	2,643	302	2,945
6:00pm	164	308	453	1,122	2,047	222	2,269
7:00pm	67	130	176	772	1,145	153	1,298
8:00pm	75	47	72	638	832	67	899
9:00pm	25	40	61	458	584	70	654
10:00pm	13	13	20	295	341	34	375
11:00pm	0	0	6	0	6	18	24
TOTAL	2,832	4,597	19,408	34,184	61,021	3,716	64,737

2019-OUTBOUND

HOURS	BROOKLYN FERRY	QUEENS FERRY	NEW JERSEY FERRY	STATEN ISLAND FERRY (1)	TOTAL FERRIES	ROOSEVELT ISLAND (RI) TRAMWAY	TOTAL FERRIES and RI TRAMWAY
12:00am	0	0	12	416	428	19	447
1:00am	0	0	0	177	177	8	185
2:00am	0	0	0	123	123	0	123
3:00am	0	0	0	54	54	0	54
4:00am	0	0	0	197	197	0	197
5:00am	0	0	0	333	333	5	338
6:00am	15	15	32	417	479	45	524
7:00am	32	60	236	528	856	69	925
8:00am	56	99	497	698	1,350	74	1,424
9:00am	97	124	271	1,192	1,684	116	1,800
10:00am	72	96	147	1,391	1,706	195	1,901
11:00am	50	185	188	1,648	2,071	267	2,338
12:00pm	74	135	246	1,994	2,449	198	2,647
1:00pm	120	195	321	1,919	2,555	233	2,788
2:00pm	158	155	453	2,127	2,893	248	3,141
3:00pm	142	193	892	2,916	4,143	331	4,474
4:00pm	291	489	2,067	4,051	6,898	392	7,290
5:00pm	469	759	4,249	4,834	10,311	529	10,840
6:00pm	493	641	4,026	3,680	8,840	587	9,427
7:00pm	163	296	1,935	2,310	4,704	283	4,987
8:00pm	113	218	713	1,331	2,375	208	2,583
9:00pm	26	70	637	925	1,658	158	1,816
10:00pm	0	0	330	730	1,060	95	1,155
11:00pm	0	0	160	0	160	44	204
TOTAL	2,371	3,730	17,412	33,991	57,504	4,104	61,608

(1) - Excludes bicyclists

SECTION G
BICYCLE VOLUMES BY SECTOR
SUMMARY, 2019

INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	STATEN ISLAND SECTOR ABOARD FERRY	TOTAL
12:00am	-	38	8	-	46
1:00am	-	15	3	1	19
2:00am	-	14	4	1	19
3:00am	-	11	11	5	27
4:00am	-	23	30	12	65
5:00am	-	85	114	16	215
6:00am	400	274	187	19	880
7:00am	1,073	667	261	103	2,104
8:00am	1,868	1,445	400	68	3,781
9:00am	1,378	1,158	286	12	2,834
10:00am	1,009	595	263	9	1,876
11:00am	1,143	363	155	5	1,666
12:00pm	1,502	329	79	6	1,916
1:00pm	1,411	285	77	13	1,786
2:00pm	1,164	282	115	9	1,570
3:00pm	1,028	302	136	12	1,478
4:00pm	1,200	255	106	16	1,577
5:00pm	1,739	352	104	9	2,204
6:00pm	2,152	388	101	11	2,652
7:00pm	1,795	237	54	4	2,090
8:00pm	1,450	158	29	2	1,639
9:00pm	868	127	39	6	1,040
10:00pm	546	100	25	3	674
11:00pm	258	75	19	-	352
TOTAL	21,984	7,578	2,606	342	32,510

OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	STATEN ISLAND SECTOR ABOARD FERRY	TOTAL
12:00am	-	159	81	12	252
1:00am	-	80	35	9	124
2:00am	-	34	15	-	49
3:00am	-	14	12	5	31
4:00am	-	13	5	1	19
5:00am	-	24	15	3	42
6:00am	410	65	36	4	515
7:00am	606	132	65	4	807
8:00am	885	176	49	7	1,117
9:00am	804	199	38	2	1,043
10:00am	700	185	42	5	932
11:00am	1,128	187	36	1	1,352
12:00pm	1,412	227	39	11	1,689
1:00pm	1,331	228	85	4	1,648
2:00pm	1,163	256	83	12	1,514
3:00pm	1,110	352	174	16	1,652
4:00pm	1,320	486	228	20	2,054
5:00pm	2,235	1,039	287	42	3,603
6:00pm	2,859	1,434	318	32	4,643
7:00pm	2,233	939	199	19	3,390
8:00pm	1,768	613	158	12	2,551
9:00pm	1,100	487	163	20	1,770
10:00pm	771	411	157	7	1,346
11:00pm	420	300	190	25	935
TOTAL	22,255	8,040	2,510	273	33,078

SECTION G
BICYCLE VOLUMES BY FACILITY
60TH STREET SECTOR, 2019-INBOUND

III-45

HOURS	1ST AVE	2ND AVE	3RD AVE	LEX. AVE	PARK AVE	MADISON AVE	5TH AVE	6TH AVE	7TH AVE	B'WAY	8TH AVE	9TH AVE	10TH AVE	11TH AVE	12TH AVE	HUDSON RIVER GREEN-WAY	TOTAL
12:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00am	2	116	-	11	11	-	31	1	30	42	-	34	8	11	-	103	400
7:00am	6	262	-	36	29	1	88	1	97	105	2	73	4	28	1	340	1,073
8:00am	3	463	1	84	53	-	134	4	133	160	6	120	4	49	2	652	1,868
9:00am	5	342	2	58	58	-	134	2	71	146	4	113	5	30	1	407	1,378
10:00am	4	245	2	75	34	1	113	8	82	58	8	112	10	19	1	237	1,009
11:00am	3	185	3	167	92	2	156	5	106	85	9	102	9	37	2	180	1,143
12:00pm	3	188	13	226	132	3	253	4	136	105	13	180	11	44	1	190	1,502
1:00pm	7	204	10	140	76	2	230	4	131	115	16	210	19	52	2	193	1,411
2:00pm	-	176	1	121	42	-	175	10	100	86	5	203	15	50	6	174	1,164
3:00pm	5	195	3	80	43	2	105	4	84	91	13	163	12	38	4	186	1,028
4:00pm	3	214	7	101	57	2	139	7	100	96	5	182	14	58	5	210	1,200
5:00pm	4	372	4	122	69	5	216	10	150	112	11	298	12	49	4	301	1,739
6:00pm	6	371	8	195	137	4	273	16	206	136	19	378	20	76	5	302	2,152
7:00pm	6	317	9	186	137	4	177	17	217	108	21	309	14	86	2	185	1,795
8:00pm	7	284	8	135	71	4	141	19	162	91	26	293	28	75	-	106	1,450
9:00pm	8	177	4	63	18	-	64	5	67	87	25	210	24	49	2	65	868
10:00pm	3	110	8	26	8	1	47	2	75	50	8	124	3	27	3	51	546
11:00pm	4	54	5	16	9	1	22	1	25	23	4	59	7	13	1	14	258
TOTAL	79	4,275	88	1,842	1,076	32	2,498	120	1,972	1,696	195	3,163	219	791	42	3,896	21,984

SECTION G
BICYCLE VOLUMES BY LOCATION
60TH STREET SECTOR, 2019-OUTBOUND

HOURS	1ST AVE	2ND AVE	3RD AVE	LEX. AVE	PARK AVE	MADISON AVE	5TH AVE	6TH AVE	7TH AVE	B'WAY	8TH AVE	9TH AVE	10TH AVE	11TH AVE	12TH AVE	HUDSON RIVER GREEN- WAY	TOTAL
12:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6:00am	91	1	29	2	16	16	-	63	1	5	80	3	21	3	2	77	410
7:00am	122	2	35	-	13	22	1	85	2	16	134	5	37	5	3	124	606
8:00am	208	3	75	2	32	45	1	147	1	30	162	4	27	2	3	143	885
9:00am	154	2	73	3	17	43	-	125	1	25	138	4	40	4	8	167	804
10:00am	113	6	61	3	23	70	1	106	3	25	124	4	36	1	6	118	700
11:00am	105	11	158	6	84	148	1	208	1	36	158	5	63	6	5	133	1,128
12:00pm	113	7	208	4	99	206	3	277	5	44	229	10	73	3	7	124	1,412
1:00pm	132	14	184	6	64	153	3	232	5	40	240	14	92	5	7	140	1,331
2:00pm	120	9	146	4	33	131	3	211	3	31	210	16	83	3	3	157	1,163
3:00pm	183	13	94	1	25	89	5	185	-	27	209	9	69	5	7	189	1,110
4:00pm	267	8	91	2	27	82	1	203	2	25	207	14	92	3	11	285	1,320
5:00pm	433	5	156	5	59	172	2	387	5	42	299	16	118	6	12	518	2,235
6:00pm	442	15	231	6	101	257	2	450	9	32	415	24	174	10	25	666	2,859
7:00pm	325	12	225	10	85	205	3	370	9	32	366	29	154	10	12	386	2,233
8:00pm	288	14	216	10	47	139	3	300	6	29	277	30	183	11	9	206	1,768
9:00pm	201	10	104	5	11	58	2	169	3	25	252	18	109	6	7	120	1,100
10:00pm	139	6	88	1	13	33	1	110	2	14	162	13	84	1	10	94	771
11:00pm	79	4	53	2	4	20	-	41	3	13	88	7	49	7	3	47	420
TOTAL	3,515	142	2,227	72	753	1,889	32	3,669	61	491	3,750	225	1,504	91	140	3,694	22,255

SECTION G
BICYCLE VOLUMES BY LOCATION
BROOKLYN, QUEENS, and STATEN ISLAND SECTORS, 2019-INBOUND

HOURS	BROOKLYN				BROOKLYN TOTAL	QUEENS	STATEN ISLAND	TOTAL
	WILLIAMSBURG BRIDGE	BROOKLYN BRIDGE	MANHATTAN BRIDGE	ED KOCH QUEENSBORO BRIDGE		ABOARD FERRY		
12:00am	27	5	6	8	38	0		46
1:00am	12	-	3	3	15	1		19
2:00am	9	1	4	4	14	1		19
3:00am	8	1	2	11	11	5		27
4:00am	12	5	6	30	23	12		65
5:00am	34	11	40	114	85	16		215
6:00am	145	33	96	187	274	19		480
7:00am	310	75	282	261	667	103		1,031
8:00am	680	203	562	400	1,445	68		1,913
9:00am	586	158	414	286	1,158	12		1,456
10:00am	279	82	234	263	595	9		867
11:00am	179	44	140	155	363	5		523
12:00pm	154	35	140	79	329	6		414
1:00pm	134	55	96	77	285	13		375
2:00pm	127	58	97	115	282	9		406
3:00pm	136	74	92	136	302	12		450
4:00pm	117	55	83	106	255	16		377
5:00pm	172	42	138	104	352	9		465
6:00pm	184	41	163	101	388	11		500
7:00pm	114	32	91	54	237	4		295
8:00pm	85	20	53	29	158	2		189
9:00pm	76	13	38	39	127	6		172
10:00pm	44	14	42	25	100	3		128
11:00pm	56	5	14	19	75	-		94
TOTAL	3,680	1,062	2,836	2,606	7,578	342		10,526

SECTION G
BICYCLE VOLUMES BY LOCATION
BROOKLYN, QUEENS, and STATEN ISLAND SECTORS, 2019-OUTBOUND

HOURS	BROOKLYN				QUEENS	STATEN ISLAND	TOTAL
	WILLIAMSBURG BRIDGE	BROOKLYN BRIDGE	MANHATTAN BRIDGE	BROOKLYN TOTAL	ED KOCH QUEENSBORO BRIDGE	ABOARD FERRY	
12:00am	105	14	40	159	81	12	252
1:00am	48	10	22	80	35	9	124
2:00am	19	1	14	34	15	-	49
3:00am	7	1	6	14	12	5	31
4:00am	10	1	2	13	5	1	19
5:00am	12	3	9	24	15	3	42
6:00am	32	11	22	65	36	4	105
7:00am	47	37	48	132	65	4	201
8:00am	69	29	78	176	49	7	232
9:00am	72	35	92	199	38	2	239
10:00am	57	64	64	185	42	5	232
11:00am	71	67	49	187	36	1	224
12:00pm	89	63	75	227	39	11	277
1:00pm	98	42	88	228	85	4	317
2:00pm	104	59	93	256	83	12	351
3:00pm	162	59	131	352	174	16	542
4:00pm	213	91	182	486	228	20	734
5:00pm	411	154	474	1,039	287	42	1,368
6:00pm	657	191	586	1,434	318	32	1,784
7:00pm	477	111	351	939	199	19	1,157
8:00pm	320	63	230	613	158	12	783
9:00pm	270	52	165	487	163	20	670
10:00pm	221	45	145	411	157	7	575
11:00pm	174	35	91	300	190	25	515
TOTAL	3,745	1,238	3,057	8,040	2,510	273	10,823

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Appendix IV

List of Data Sources - 2019

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LIST OF DATA SOURCES

The Hub Bound Travel Report measures hourly numbers of persons and vehicles entering and leaving the Manhattan Business District by mode around the clock. The count day is preferably a Wednesday in October, which is considered to be an average day in an average month. This report would not be possible to create without the help of various transportation agencies providing NYMTC with basic travel data.

The number of persons arriving in the Hub by motor vehicles cannot be received by direct count. The amount generated by each type of motor vehicle is determined from special motor vehicle classification and occupancy surveys, with the results affected by vehicle type of entry and departure as well as points of crossing.

Rail Rapid Transit

This information is generated from:

- MTA New York City Transit (MTA NYCT) Automated Fare Collection (AFC) system entry swipes.
- Port Authority Trans Hudson (PATH): turnstile entrance and exit registration.

Bus Transit

This information is generated from:

- MTA New York City Transit: passenger counts (swiping data).
- MTA Bus Company: passenger counts (swiping data).
- Port Authority of New York & New Jersey (PANYNJ): EZ Pass for vehicle volumes, and average vehicle occupancy rates.
- New York City Department of Transportation (NYCDOT): passenger counts (swiping data).
- Westchester County Department of Transportation - Bee Line: passenger counts (swiping data).

Suburban Rail Transit

This information is generated from:

- MTA Long Island Rail Road (MTA LIRR): on-board passenger counts.
- New Jersey Transit Corporation (NJ Transit): passenger counts on the trains.
- MTA Metro-North Railroad Planning Department - exit/entrance counts at Grand Central Terminal.
- National Railroad Passenger Corporation (AMTRAK): fare collection.

Ferry Transit

This information is generated from:

- Staten Island Ferry - NYCDOT Ferry Division: turnstile
- Private ferry ridership – NYCDOT Ferry Division: passenger counts, fare collection.
- Port Authority of NY&NJ - Ferry Transportation: passenger counts, fare collection.
- New York Water Taxi and Circle Line Downtown: passenger counts, fare collection.
- New York Waterway - Information System Support: passenger counts, fare collection.
- Seastreak Ferry: passenger counts, fare collection.
- Liberty Landing Ferry: passenger counts, fare collection.
- NYC Ferry by Hornblower, fare collection.

Aerial Tramway

Roosevelt Island Operating Corporation of the State of New York: turnstile and gate volumes.

Bicycle

NYCDOT: bicycle counts at bridge crossings and 50th Street Screen Lines.

Motor Vehicles

This information is generated from:

- NYCDOT: tube counts across 60th Street and East River non-toll bridges.
- MTA Bridges and Tunnel East River toll facilities.
- Port Authority Hudson River toll facilities.