



NEW YORK METROPOLITAN TRANSPORTATION COUNCIL



HUB BOUND TRAVEL DATA 2018

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Data Monitoring and Analysis Unit

Project Manager: Leokadia Glogowski

Supervisor: Munnesh Patel

Technical Director: Debra A. Nelson

Graphic Design: John Lopez

Hub Bound Travel Data Report 2018 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.-Tram.
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

CROSSING TYPE	
	BRIDGE/ROAD
	TUNNEL
	FERRY

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.

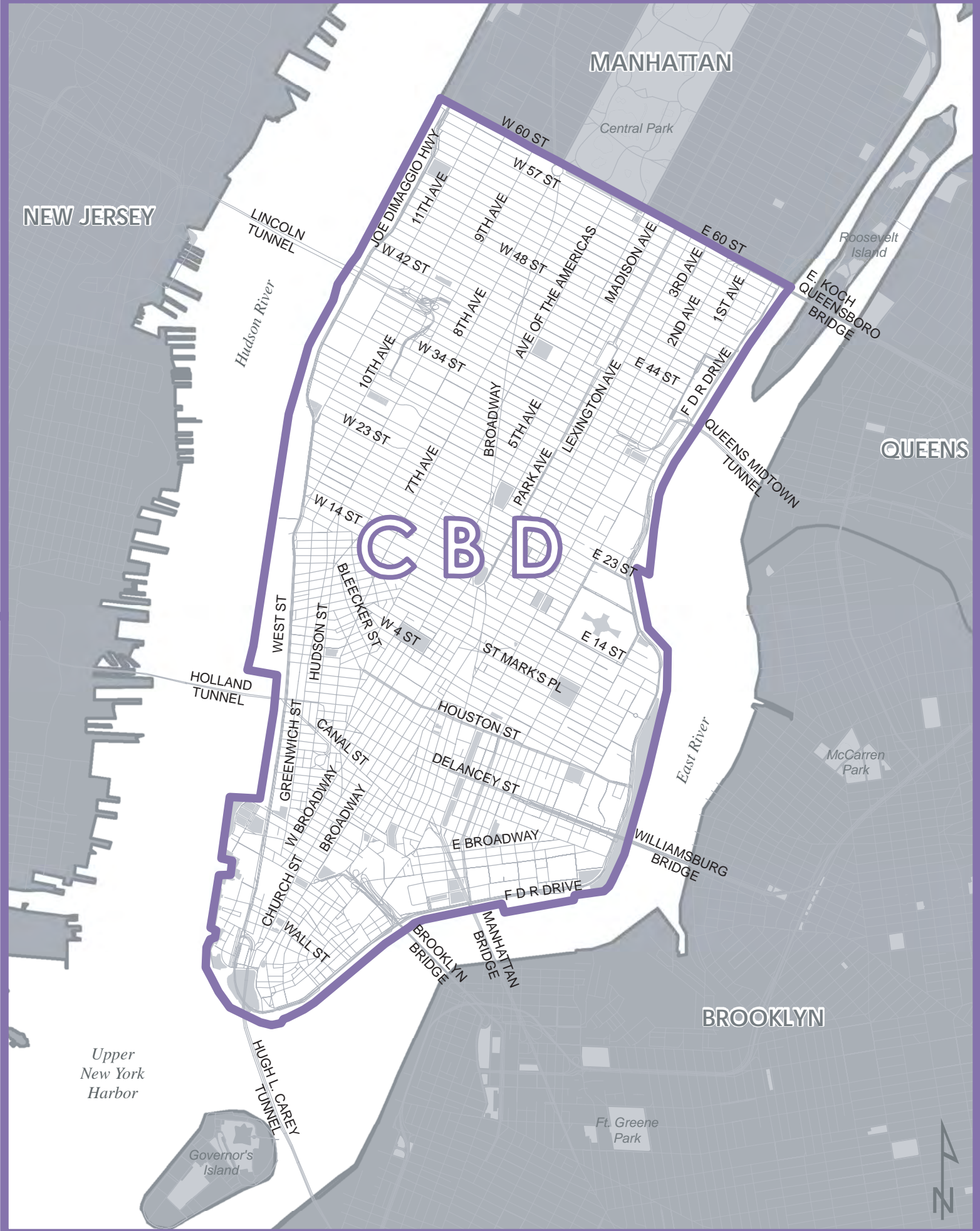
BMT

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

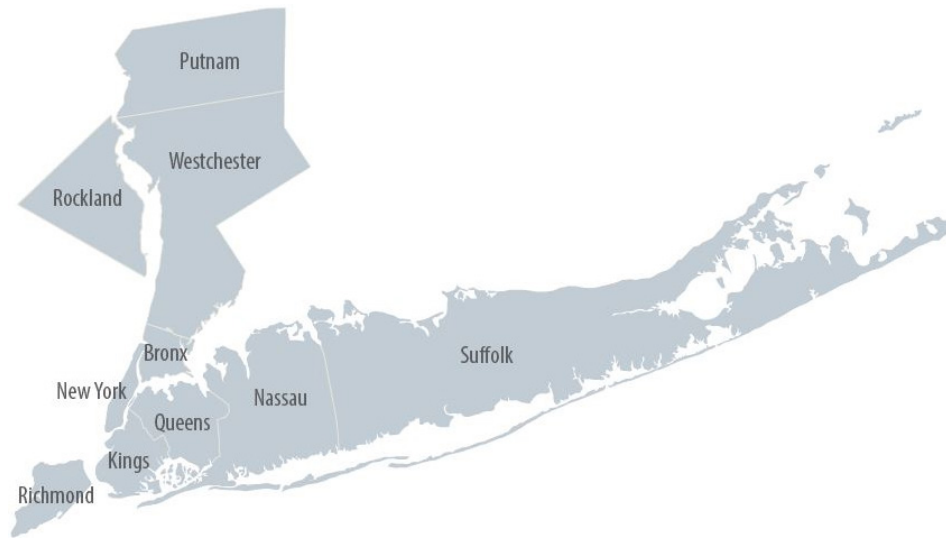
Port Authority Trans-Hudson, abbreviated **PATH**, is a rapid transit system serving Newark, Harrison, Hoboken, and Jersey City in metropolitan northern New Jersey, as well as lower and midtown Manhattan in New York City. The PATH is operated by, and named after, the Port Authority of New York and New 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 12.4 million, which is approximately 64% 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 by 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 2018 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 17, 2018. 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 2018 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 its inception in 1982.

QUICK REFERENCE DATA

PERSONS ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY
BY MODE AND SECTOR, IN 2018

SECTOR / MODE	Entering	Leaving	Total
60TH STREET			
SUBWAY	815,883	804,557	1,620,440
AUTOS, TAXIS, VANS AND TRUCKS	391,949	418,665	810,614
BUS	29,910	30,019	59,929
SUBURBAN AND INTERCITY RAIL	114,774	113,908	228,682
FERRY	-	-	-
BICYCLE	22,872	22,710	45,582
TOTAL 60TH STREET SECTOR - ALL MODES	1,375,388	1,389,859	2,765,247
BROOKLYN			
SUBWAY	807,761	790,253	1,598,014
AUTOS, TAXIS, VANS AND TRUCKS	215,857	238,499	454,356
BUS	20,793	17,808	38,601
SUBURBAN AND INTERCITY RAIL	-	-	-
FERRY	1,863	1,427	3,290
BICYCLE	7,872	7,871	15,743
TOTAL BROOKLYN SECTOR - ALL MODES	1,054,146	1,055,858	2,110,004
QUEENS (and TRAMWAY)			
SUBWAY	480,758	469,715	950,473
AUTOS, TAXIS, VANS AND TRUCKS	158,484	140,148	298,632
BUS	11,547	10,049	21,596
SUBURBAN AND INTERCITY RAIL	122,603	120,882	243,485
FERRY	3,365	3,215	6,580
BICYCLE	2,596	2,615	5,211
TRAMWAY	3,528	3,798	7,326
TOTAL QUEENS SECTOR - ALL MODES	782,881	750,422	1,533,303
NEW JERSEY			
SUBWAY and PATH	137,310	132,635	269,945
AUTOS, TAXIS, VANS AND TRUCKS	111,688	124,127	235,815
BUS	217,485	207,487	424,972
SUBURBAN AND INTERCITY RAIL	101,072	95,668	196,740
FERRY	19,876	16,464	36,340
BICYCLE	-	-	-
TOTAL NEW JERSEY SECTOR - ALL MODES	587,431	576,381	1,163,812
STATEN ISLAND (via FERRY)			
SUBWAY	-	-	-
AUTOS, TAXIS, VANS AND TRUCKS	-	-	-
BUS	-	-	-
SUBURBAN AND INTERCITY RAIL	-	-	-
FERRY	41,828	41,881	83,709
BICYCLE	294	330	624
TOTAL STATEN ISLAND (via FERRY)	42,122	42,211	84,333
ALL SECTORS			
SUBWAY	2,241,712	2,197,160	4,438,872
AUTOS, TAXIS, VANS AND TRUCKS	877,978	921,439	1,799,417
BUS	279,735	265,363	545,098
SUBURBAN AND INTERCITY RAIL	338,449	330,458	668,907
FERRY	66,932	62,987	129,919
BICYCLE	33,634	33,526	67,160
TRAMWAY	3,528	3,798	7,326
TOTAL ALL SECTORS - ALL MODES	3,841,968	3,814,731	7,656,699

HIGHLIGHTS

1. On a fall business day in 2018, more than 3.8 million people entered Manhattan's Central Business District (CBD), 43.6 thousand or 1.1% fewer compared to a fall business day in 2017.
2. A total of almost 7.7 million persons entered and left the Manhattan CBD on the survey day in 2018, about 1.5% (or almost 117 thousand of people) fewer than in 2017.
3. Similar to the 2017 Hub Bound data counts, 37% of persons who entered the CBD on the survey day in 2018 did so during the peak period, from 7:00 am to 10:00 am. (Table 3)
4. Approximately 5.8 million persons entered and left the CBD using public transportation in 2018 – about 91,000 or 1.6% less than those who used public transportation in 2017. (Table 5)
5. The total of people entering and leaving the Hub by autos, taxis, vans and trucks decreased by more than 25,000 (to nearly 1.8 million) since 2017. (Table 10)
6. About 84.1% of express bus passengers entering the CBD in 2018 came from west of the Hudson River via the Lincoln and Holland Tunnels, while 15.9% of all express bus passengers came from other points of entry. (Table 9)
7. Approximately 44% of all private vehicles (autos, taxis, commuter vans and trucks) entering and leaving the CBD in 2018 did so via the 60th Street Sector (all avenues east and west of Central Park). Brooklyn, Queens and New Jersey sectors accounted for about 26%, 17%, and 13% of the total number of private vehicles, respectively. (Table 11)
8. Nearly 24% 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 60% traveled by subway. Overall morning reverse subway travel decreased by 2.9% since 2017. (Table 12)
9. The heaviest hour for travel into the CBD in 2018 was 8:00 am to 9:00 am, during which almost 615,000 persons entered the CBD. Nearly 65% of these travelers entered the CBD using the subway system while about 8.5% took private vehicles and almost 16% rode suburban rail (Table 24). The evening peak leaving the city saw nearly 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 16% traveled by regional rail. (Table 25)
10. MTA New York City Transit subways carry 81.6% of all rail passengers entering and leaving the CBD each day. About 51.5% 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 48.5% 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 130,000 on a fall business day in 2018. About 64% of these trips originated in Staten Island and 28% in New Jersey. The remaining 8% of ferry commuters came from Brooklyn and Queens sectors. (Table on page III-43)
12. Approximately 1% (or more than 67,000) of total persons entering and leaving the hub on a fall business day in 2018 used bicycles. This total has decreased by about 130 cyclists since 2017. Most people (68%) entering and leaving the hub on bicycles came from the north of 60th St, while 23%, 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 by the CBD in 2018.
- * 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:

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

(CBD map, page ii)

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)

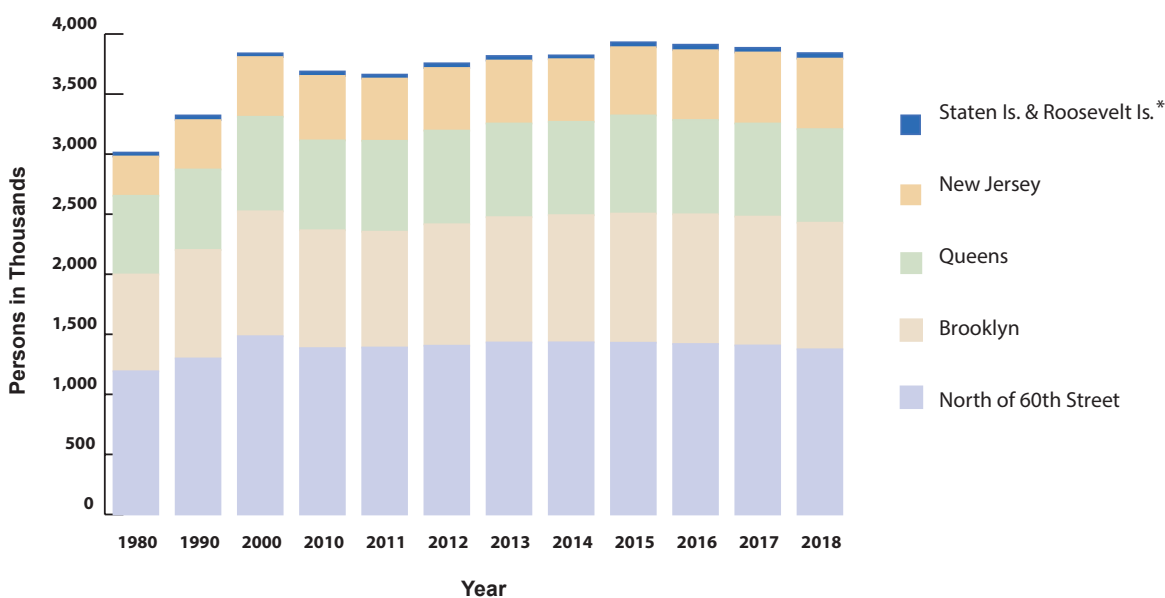
CORDON CROSSINGS

In 2018, 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 accounted for about 27, 20 and 15 percent of all total entries, respectively. Hub Bound ferry travel via Staten Island Sector reached more than 42 thousand passengers or about 1 percent of the total entries to the CBD in 2018.

Following are 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 (Figure 1):

Sector of Entry	Number of Entries	% of Total Daily Entries
60 th Street	1,375,388	35.8%
Brooklyn	1,054,146	27.4%
Queens	782,881	20.4%
New Jersey	587,431	15.3%
Staten Island	42,122	1.1%
Total CBD Entry	3,841,968	100.0%

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



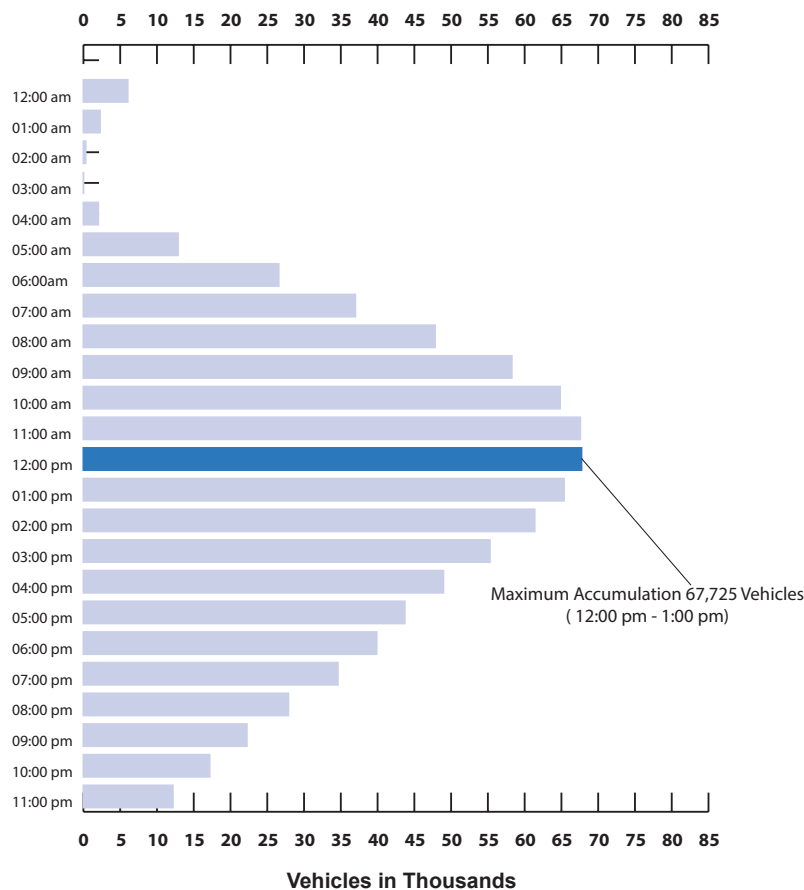
* Includes only Staten Island Ferry and Roosevelt Island Tramway passengers

This report also tracks the maximum net accumulation of persons in the Hub for all travel modes. This figure declined by 2.6 percent (or about 360 persons) since 2017 to a maximum accumulation of almost 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 2018 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 less than 1 percent during evening (4:00 pm to 7:00 pm) peak periods, since 2017 (Table 23A, Appendix II).

Maximum accumulation of over 67,725 vehicles occurred between 12:00 pm - 1:00 pm in 2018, almost 5,500 or 7.5 percent fewer than the year before (Figure 2 and Table 23B, Appendix II).

FIGURE 2
HOURLY ACCUMULATION OF VEHICLES ON A FALL BUSINESS DAY
BY HOUR, IN 2018



CHANGES IN HUB-BOUND TRAVEL

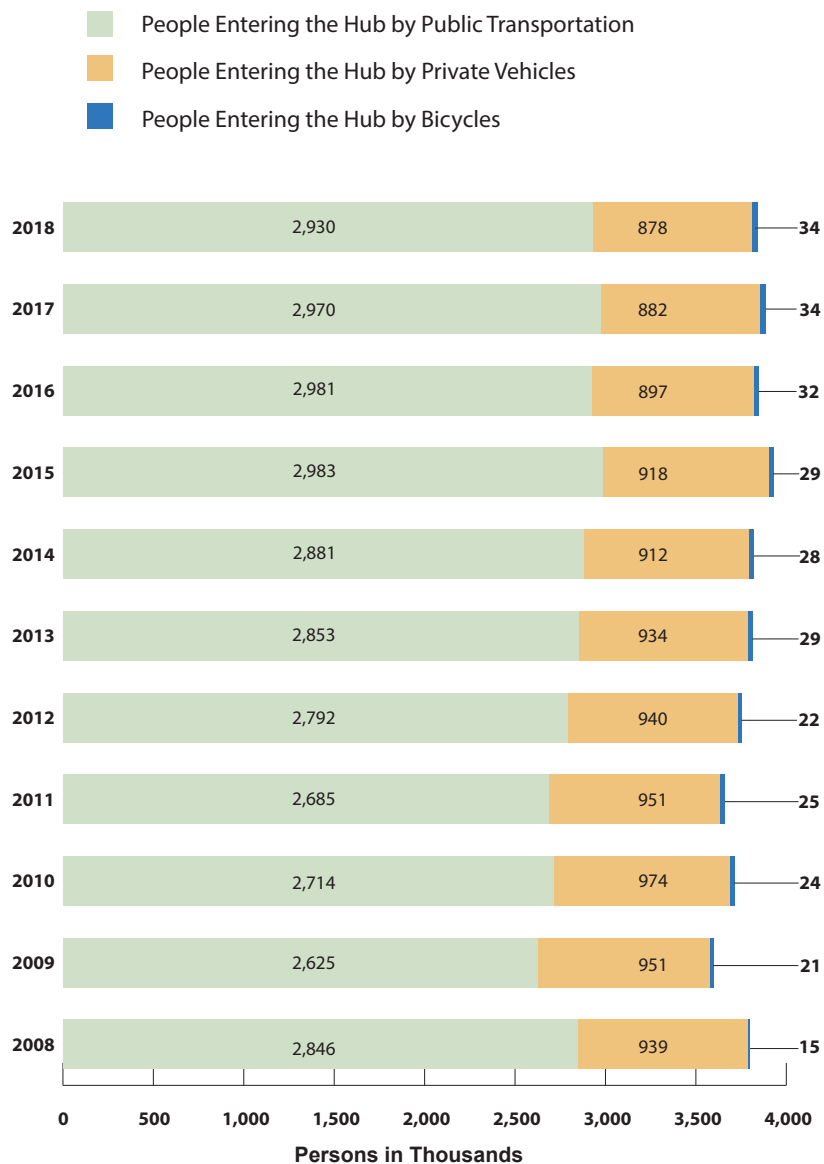
In 2018, 3.84 million people entered the Manhattan Central Business District (CBD) on a typical business day (Table 1A); a decrease of about 1.1% (near 44,000 people) since the 2017 total daily entry.

During the 10-year period between 2008 and 2018, the total number of people entering the CBD increased by about 1.1%, 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 1.3% since 2017. Trips made by the same modes of public transportation decreased by 1.6% since 2017, but increased by over 5.3% during the decade between 2008 and 2018 (Figure 3 and Table 22A, Appendix II).

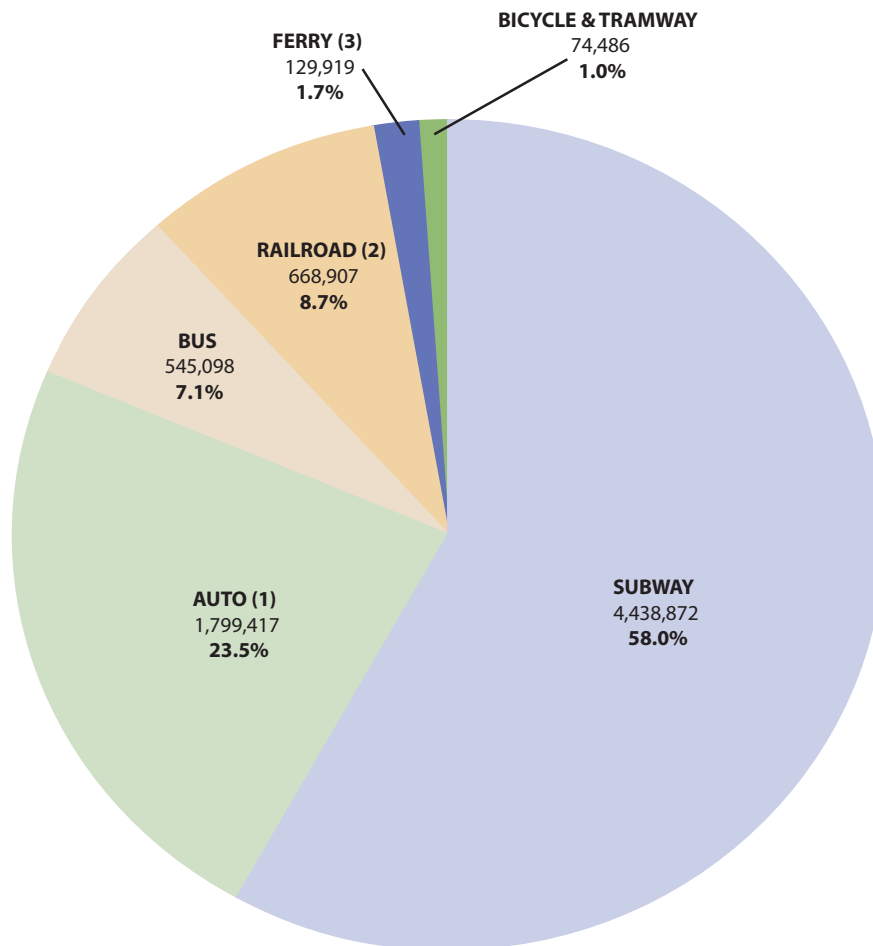
FIGURE 3
TOTAL NUMBER OF PEOPLE ENTERING THE HUB
ON A FALL BUSINESS DAY
IN THOUSANDS



Bus ridership decreased by 2.2 percent in 2018. The subway transported about 1.9 percent fewer passengers (entering and leaving the Hub) than in 2017 (Table 5). Downtown and Uptown PATH carried about 0.1% more passengers than in 2017. Suburban and intercity rail services carried 0.3% or almost 2,300 more passengers than a year ago at the same time (Table 5).

Of all passengers entering and leaving the Hub in 2018, the relative amount of subway, railroad, and bus passengers reached 58.0%, 8.7%, and 7.1%, respectively (Figure 4).

FIGURE 4
TOTAL NUMBER OF PEOPLE ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY, IN 2018
BY MODE



- (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) increased by about 3.3% in 2018 compared with 2017. Roosevelt Island Tramway ridership increased substantially by almost 33% or over 1,800 persons, daily (Table 5). Approximately 92% of all bus passengers traveled into the Hub by express buses and almost 78% of all bus passengers commuted from New Jersey (Table 9, Appendix I).

PRIVATE TRANSPORTATION

In 2018, private transportation brought about 23.0% of all persons into the CBD. This is a decline of about 0.5% or more than 4,000 travelers since 2017. The total number of people entering and leaving the Hub by private vehicles decreased by 1.4 percent or about 25,500 persons on a typical business day in 2018 compared with 2017. The largest part of this decrease (with absolute volume of over 24,000 and 4,000 travelers) came from vehicles crossing to and from Queens and New Jersey Sectors, respectively. Only Brooklyn Sector experienced an increase (0.8% or about 3,500) in the number of people entering and leaving the Hub in the same time period (Table 10, Appendix I).

There were approximately 67,160 daily bicycle trips to and from the CBD in 2018, about 0.2% decrease since 2017 (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 4, page 9.

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, New Jersey 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

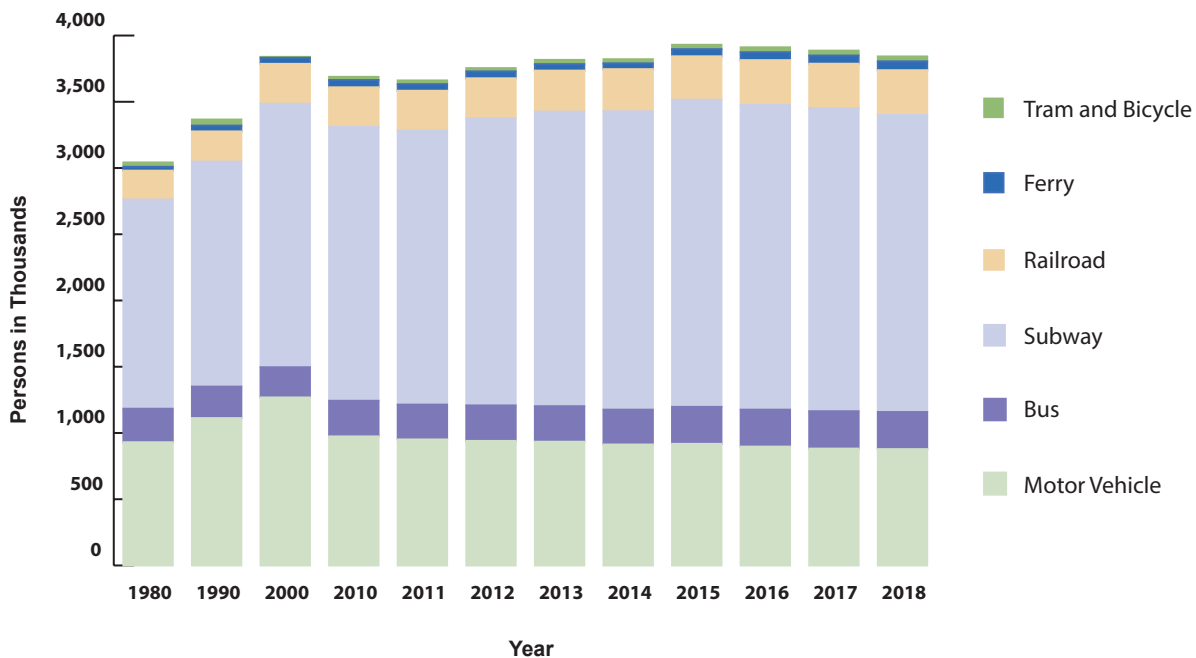
Tramway service is provided by Roosevelt Island Operating Corporation.

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

A. Subway

The subway system continued to be the most popular mode of public transportation in 2018, transporting a daily average of over 2.24 million passengers into the Hub (almost 2% fewer than last year). This number of commuters however increased by over 4.4% in a decade period since 2008. In 2018, the subway system transported almost 87,000 fewer passengers entering and leaving the Hub compared with 2017 (Figure 5 and Table 1A, Appendix I).

FIGURE 5
TOTAL NUMBER OF PEOPLE ENTERING THE HUB
ON A FALL BUSINESS DAY
BY MODE



B. Bus

Bus service into the Hub is provided primarily by the Metropolitan Transportation Authority (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 2018, buses brought almost 280,000 passengers daily into the Hub. Bus riders from New Jersey riding on express buses accounted for almost 78% (or about 217,500) of all bus passengers entering the Hub on a typical business day in 2018.

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 using express buses. Similarly, from the Brooklyn Sector, 99% of bus commuters are express bus passengers, and 82% of Queens Sector bus commuters are also express bus passengers. Conversely, only 37% of all bus passengers entering the Hub via the 60th Street Sector are express bus commuters, with the remaining 63% 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 338,500 passengers into the CBD on the survey date, a total of almost 12% of all public transit passengers. That is a 9% share of all persons entering the Hub daily. In 2018, this mode experienced an increase in ridership of about 0.6 percent or 2,100 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).

D. Ferry and Tramway

Hub Bound ferry travel via the Staten Island Sector reached nearly 42,000 inbound passengers in 2018, an increase of about 14.8 percent since 2017. At the same time, the total of all private ferry passengers entering the Hub increased by 8.1%, or about 5,000 persons, since 2017 (Figure 6 and Table on page III-43).

Roosevelt Island Tramway reported an increase in inbound passengers of about 840 persons or 31% compared with 2017 (Figures 7 and Table on page III-43).

FIGURE 6
TOTAL NUMBER OF FERRY COMMUTERS
ENTERING THE HUB ON A FALL BUSINESS DAY
BY YEAR

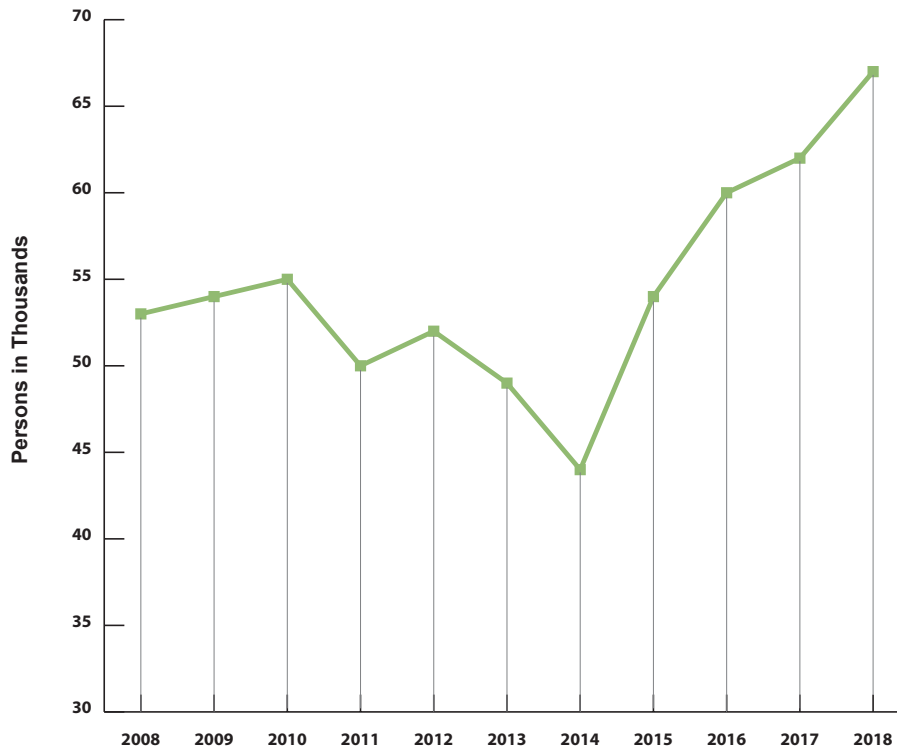
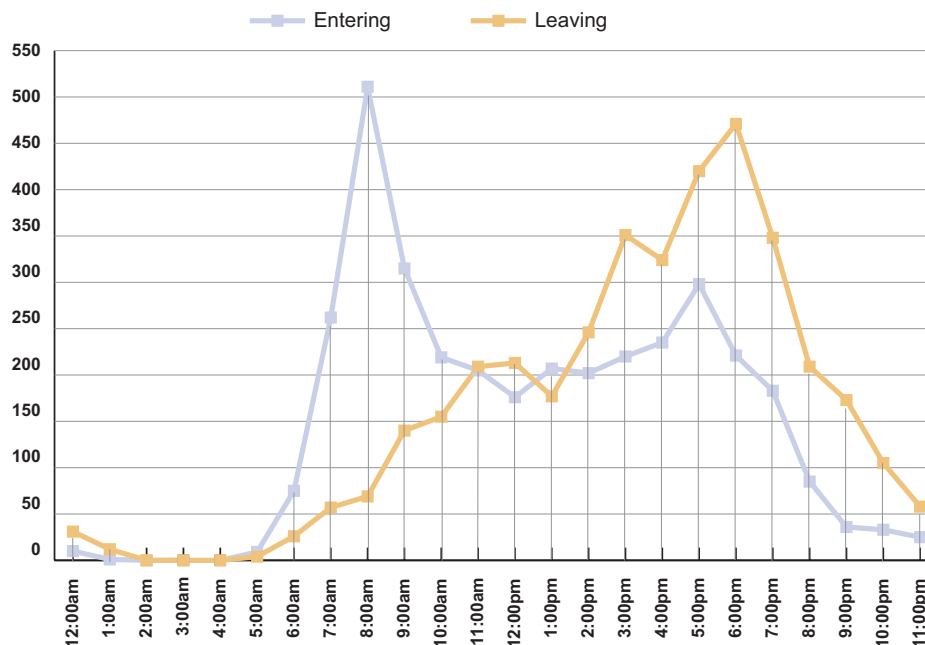


FIGURE 7
TOTAL NUMBER OF ROOSEVELT ISLAND TRAMWAY COMMUTERS
ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY, IN 2018
BY HOUR

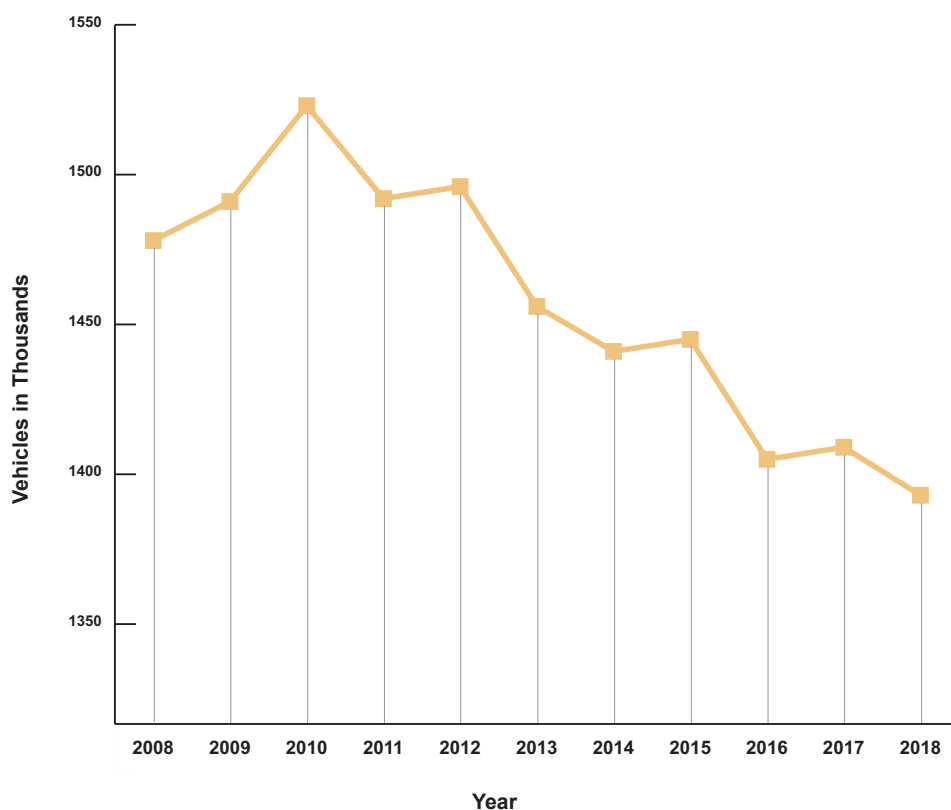


E. Motor Vehicles

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 2018, near 878,000 persons entered the Hub using private motor vehicles. This represents a decrease of 0.5% or about 4,000 passengers compared with 2017 (Table 14 C, Appendix II).

Correspondingly, the share of travelers arriving from New Jersey, Brooklyn and the 60th Street sectors by private vehicles dropped by 2.9%, 1.8% and 0.5%, respectively in 2018. At the same time, Queens Sector experienced an increase of about 3.3% in private motor vehicle riders entering the Hub on a typical business day in 2018 (Table 14C, Appendix II).

FIGURE 8
PRIVATE VEHICLES ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY
BY YEAR

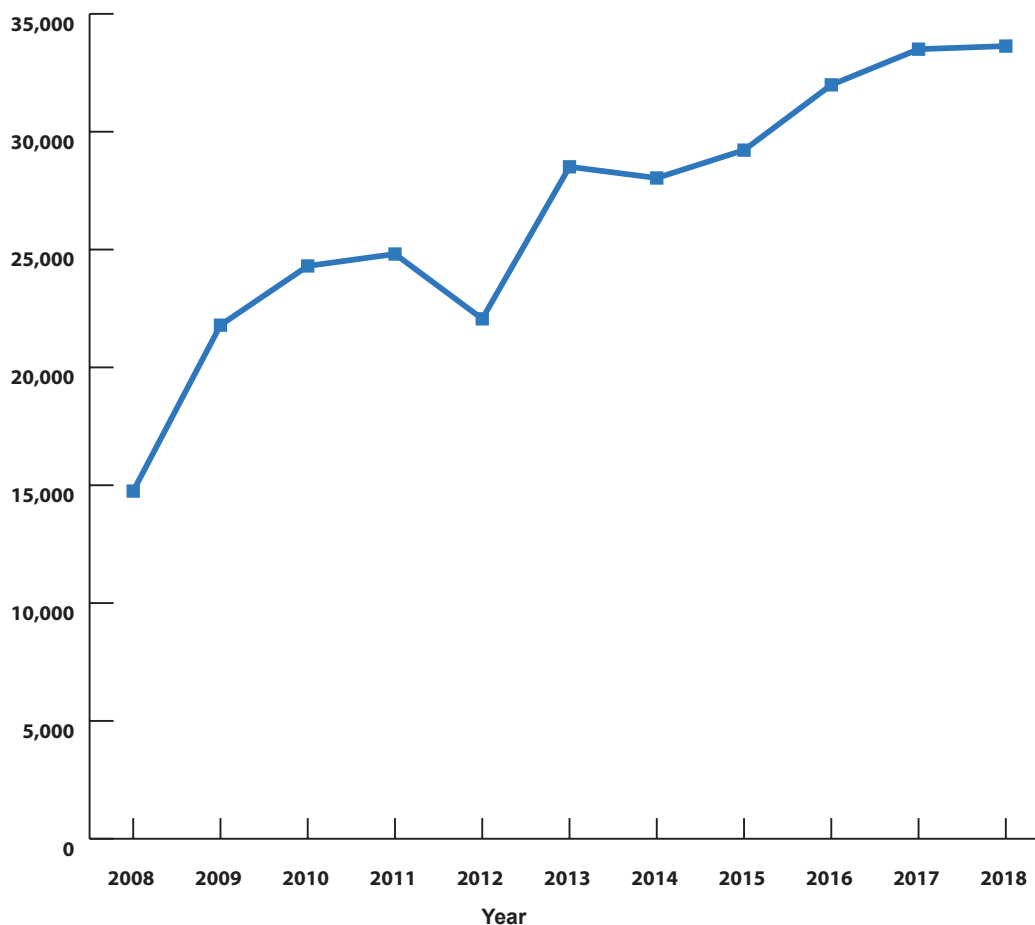


F. Bicycle

In 2018, survey data provided by the New York City Department of Transportation showed more than 33,600 bicyclists entering the Hub on a typical fall business day. This shows a small increase of nearly 130 riders from 2017. The most active entry point to the Hub is the 60th Street Sector, generating almost 23,000 riders

or 68% of all bicyclists entering the Hub daily in 2018. Approximately 7,900 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 (Figure 9 and Table on page III-44).

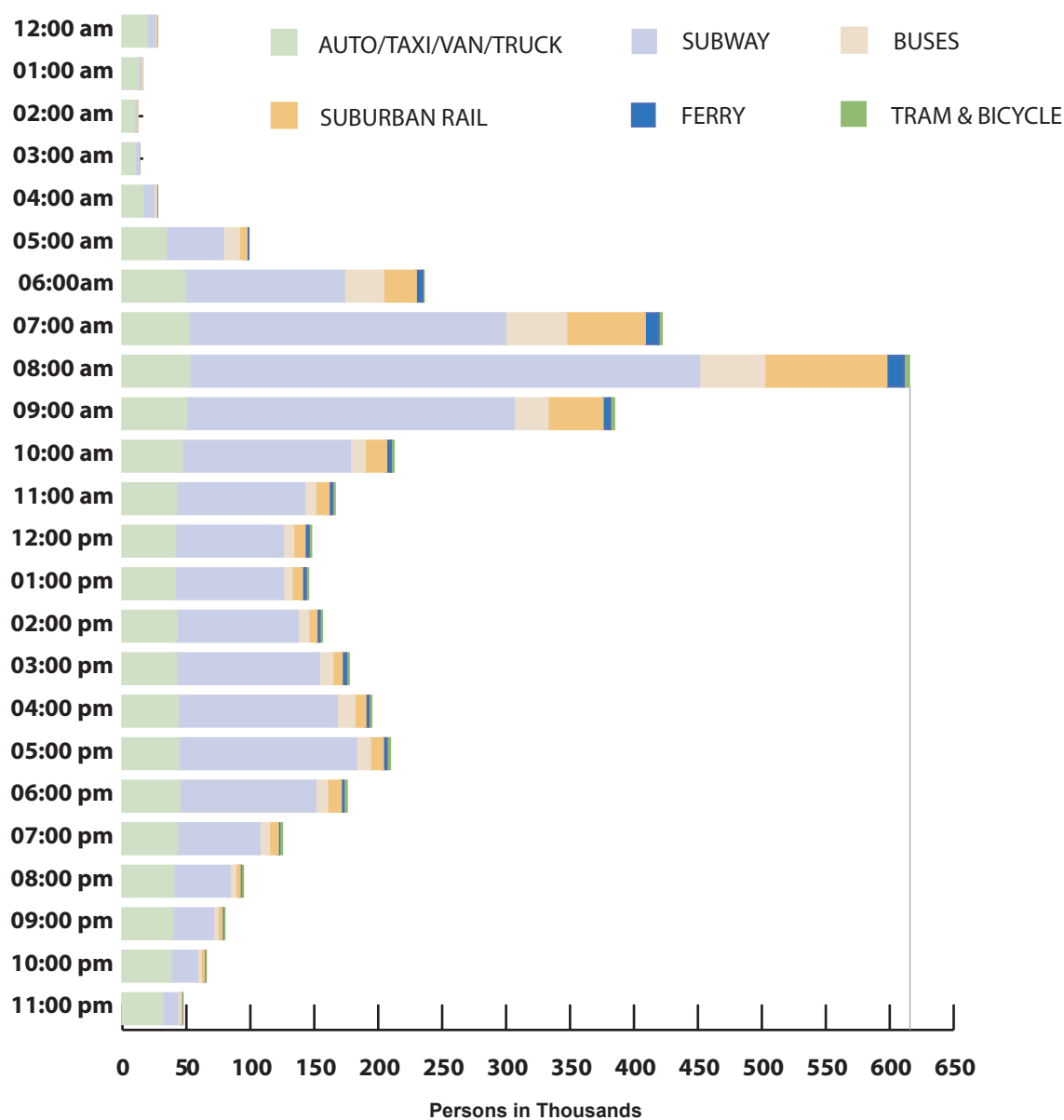
FIGURE 9
**BICYCLISTS ENTERING THE HUB
ON A FALL BUSINESS DAY**
BY YEAR



TIME OF ENTRY

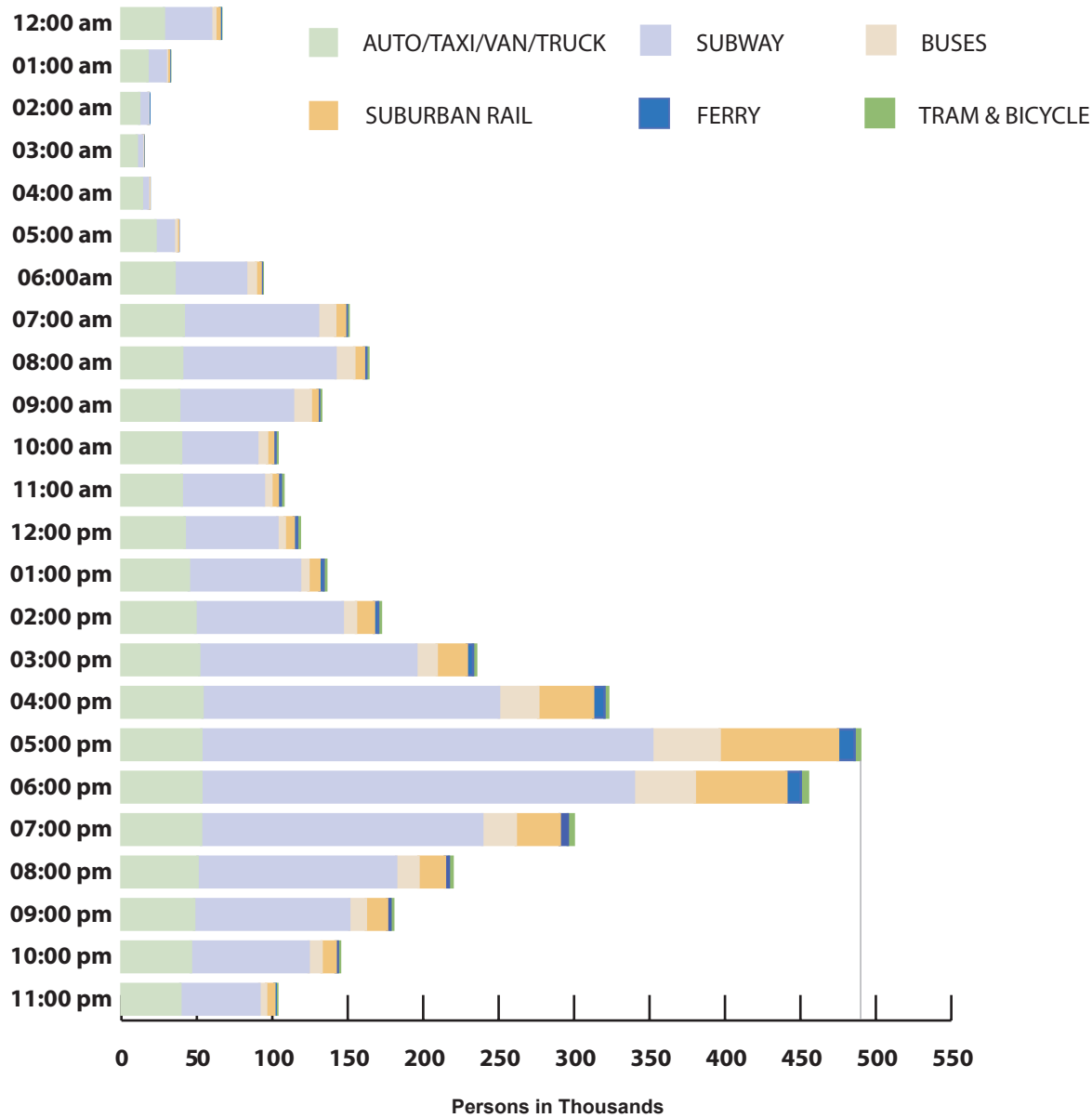
The total number of persons entering the CBD in 2018 during the morning peak hour of 8:00 am to 9:00 am was about 615,000; and during the morning peak period of 7:00 am to 10:00 am was about 1,421,000. This represented 16% and 37% of the total daily volume, respectively (Figure 10 and Tables 14A-14B, Appendix II).

FIGURE 10
TOTAL NUMBER OF PEOPLE ENTERING THE HUB
ON A FALL BUSINESS DAY, IN 2018
BY HOUR, BY MODE



The peak afternoon hour of 5:00 pm to 6:00 pm recorded near 490,000 people leaving the Hub while the peak period of 4:00 pm to 7:00 pm recorded more than 1,267,000 persons leaving the Hub by all modes. This represented 13% and 33% of the total daily volume, respectively (Figure 11 and Tables 15A - 15B, Appendix II).

FIGURE 11
**TOTAL NUMBER OF PEOPLE LEAVING THE HUB
ON A FALL BUSINESS DAY, IN 2018**
BY HOUR, BY MODE



Use of private vehicles to travel to the Hub had the highest volume at 7:00 am while the highest traffic in the afternoon was between 3:00 pm to 7:00 pm for outbound direction. (Figure 12 and Table 23A, Appendix II)

FIGURE 12
PRIVATE VEHICLES ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY, IN 2018
BY HOUR

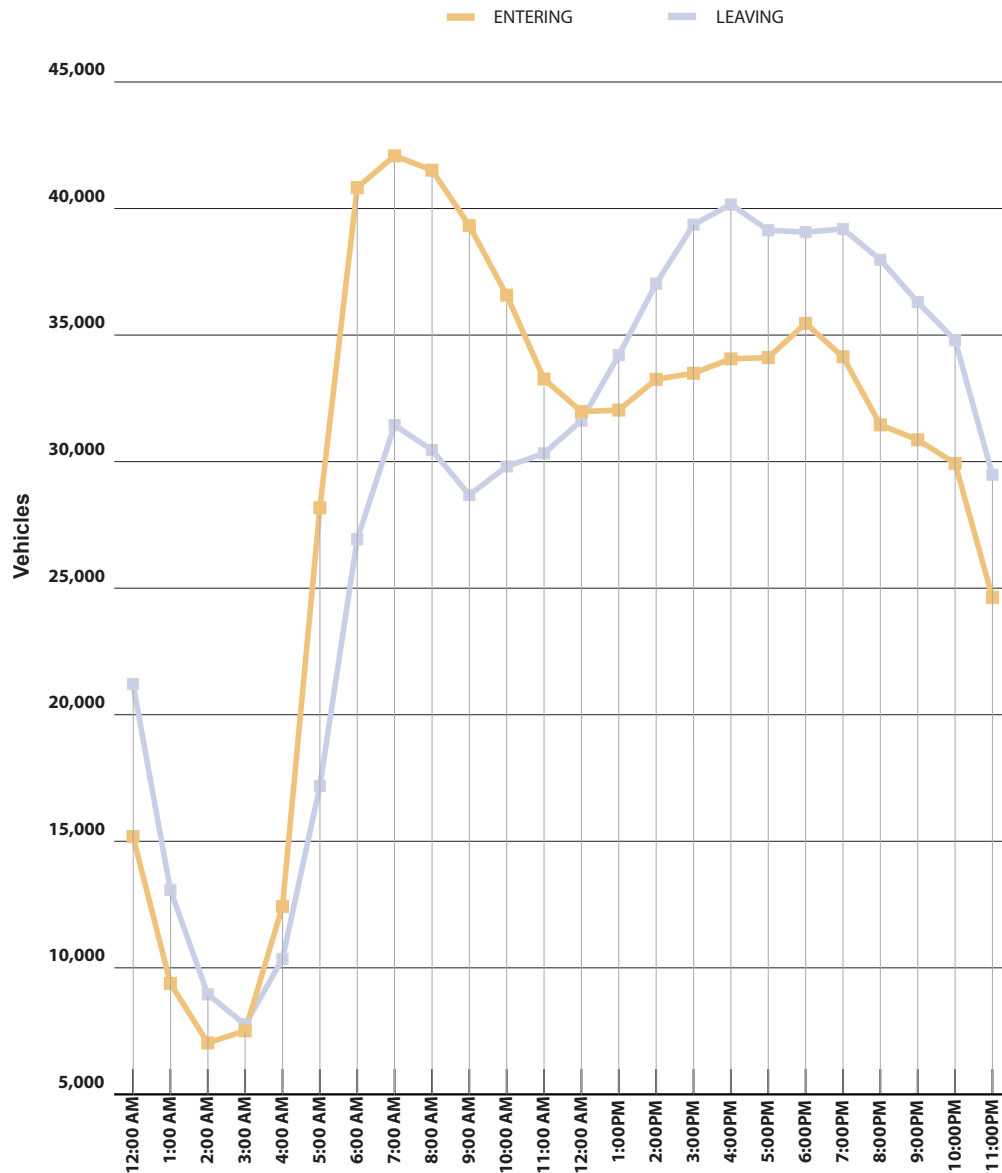
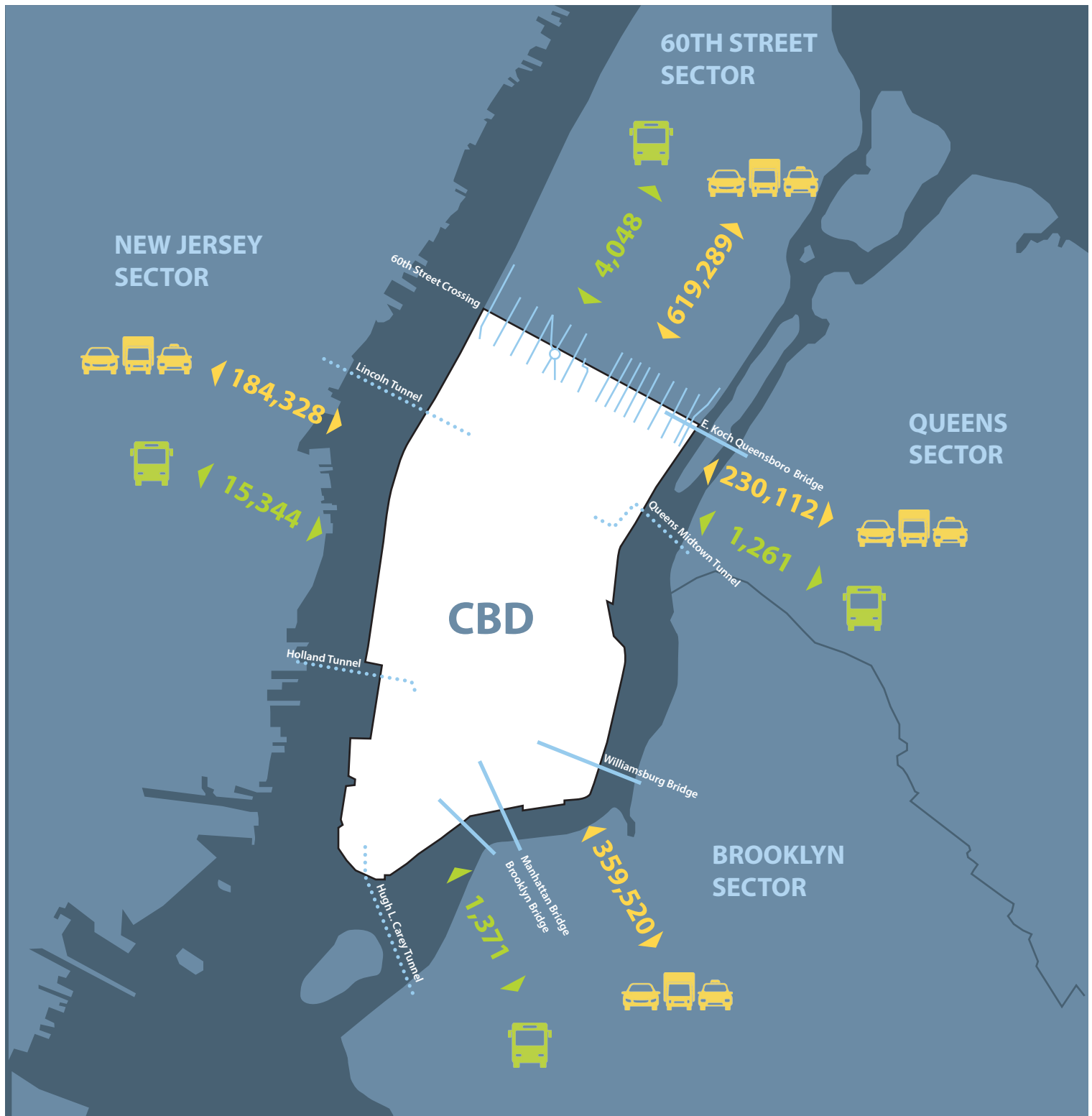


FIGURE 13
TOTAL BUSES AND PRIVATE VEHICLES
ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY, IN 2018



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Appendix I

Time Series Tables - 2018

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

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											
AUTO, TAXI, VAN & TRUCK	167	12%	168	12%	160	11%	156	11%	153	11%										
BUS	126	9%	131	9%	129	9%	127	9%	125	9%										
SUBWAY	910	64%	922	63%	921	64%	913	64%	902	64%										
RAILROAD	190	13%	197	14%	203	14%	198	14%	200	14%										
PASSENGER FERRY	23	2%	26	2%	25	2%	29	2%	30	2%										
TRAMWAY	1	0%	1	0%	2	0%	1	0%	1	0%										
BICYCLE	8	1%	8	1%	9	1%	9	1%	9	1%										
TOTAL	1,426	-	1,452	-	1,448	-	1,434	-	1,421	-										

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%

* 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

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

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, 2010-2018

	2010	2011	2012	2013	2014	2015	2016	2017	2018
BUS PASSENGERS									
60TH STREET SECTOR									
FDR DRIVE	-	-	-	-	-	-	-	-	-
YORK AVENUE	4,601	4,292	4,614	4,184	3,766	4,055	3,792	2,702	2,424
FIRST AVE/SECOND AVE	18,399	22,739	22,435	20,203	18,747	15,818	14,999	16,161	15,806
LEXINGTON AVE/THIRD AVE	14,650	13,519	11,940	11,588	10,241	9,730	8,955	8,179	10,201
MADISON AVE/FIFTH AVE	27,976	29,870	30,246	27,693	26,515	21,727	23,164	21,651	20,929
CENTRAL PK WEST	1,260	791	1,154	874	805	754	804	613	493
EIGHTH AVENUE	-	-	-	-	-	-	-	-	-
BROADWAY	11,540	7,273	9,715	9,952	8,478	6,999	7,350	6,082	5,692
COLUMBUS AVE/AMSTERDAM AVE	3,509	3,350	3,520	3,108	2,943	2,585	2,744	2,547	2,494
WEST END AVENUE	2,036	1,845	2,067	2,029	2,064	1,809	1,823	1,830	1,890
SECTOR TOTAL	83,971	83,679	85,691	79,631	73,559	63,477	63,631	59,765	59,929
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	(1)	(1)	(1)	398	359	335	306	329	337
MANHATTAN BRIDGE	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
HUGH L. CAREY TUNNEL	47,006	42,088	41,663	43,256	42,136	40,239	40,590	42,241	38,264
SECTOR TOTAL	47,006	42,088	41,663	43,654	42,495	40,574	40,896	42,570	38,601
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	10,477	12,250	11,942	13,486	11,171	11,142	10,236	11,187	10,796
ED KOCH QUEENSBORO BRIDGE	11,902	11,980	11,624	10,932	11,224	9,472	9,870	9,353	10,800
SECTOR TOTAL	22,379	24,230	23,566	24,418	22,395	20,614	20,106	20,540	21,596
NEW JERSEY SECTOR									
HOLLAND TUNNEL	42,516	31,858	31,942	29,204	28,325	29,243	30,737	28,257	25,581
LINCOLN TUNNEL	332,382	345,852	341,539	355,120	360,978	426,931	400,370	406,250	399,391
SECTOR TOTAL	374,898	377,710	373,481	384,324	389,303	456,174	431,107	434,507	424,972
TOTAL BUS PASSENGERS	528,254	527,707	524,401	532,027	527,752	580,839	555,740	557,382	545,098

(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, 2010-2018

	2010	2011	2012	2013	2014	2015	2016	2017	2018
SUBWAY PASSENGERS									
60TH STREET SECTOR									
SECOND AVENUE LOCAL	(1)	(1)	(1)	(1)	(1)	(1)	(1)	149,277	152,728
LEXINGTON AVENUE EXPRESS	336,589	332,854	350,863	362,135	372,522	363,116	386,250	330,963	318,049
LEXINGTON AVENUE LOCAL	325,009	333,752	340,920	346,656	341,376	327,790	307,982	247,372	233,504
EIGHTH AVENUE EXPRESS	254,352	246,977	268,129	278,292	286,126	299,008	274,781	300,544	287,321
EIGHTH AVENUE LOCAL	115,898	118,802	123,777	128,046	132,713	144,149	144,082	141,307	113,955
BROADWAY/7TH AVE EXPRESS	266,418	266,070	281,075	293,363	295,947	311,191	320,456	302,063	274,527
BROADWAY/7TH AVE LOCAL	218,013	219,082	224,899	235,546	239,350	235,108	223,675	214,038	240,356
SECTOR TOTAL	1,516,279	1,517,537	1,589,663	1,644,038	1,668,034	1,680,362	1,657,226	1,685,564	1,620,440
BROOKLYN SECTOR									
14TH STREET TUNNEL	195,146	199,221	217,993	224,172	234,538	258,485	248,094	304,551	256,472
WILLIAMSBURG BRIDGE	118,869	119,384	124,980	132,233	138,808	160,790	165,077	122,004	145,506
RUTGERS TUNNEL	127,514	131,136	139,459	146,056	154,590	157,575	154,766	122,820	143,512
MANHATTAN BRIDGE	375,606	361,151	382,856	423,470	391,249	437,764	419,024	439,103	439,896
CRANBERRY ST. TUNNEL	225,762	229,748	243,259	253,840	269,635	252,724	251,898	239,232	258,881
CLARK ST. TUNNEL	140,989	143,536	146,585	159,668	149,865	147,180	151,529	144,782	131,054
MONTAGUE ST. TUNNEL	59,675	63,531	65,440	(2)	63,660	56,863	61,386	61,642	59,960
JORALEMON ST. TUNNEL	184,787	182,647	190,859	215,002	194,120	169,645	187,043	178,793	162,733
SECTOR TOTAL	1,428,348	1,430,354	1,511,431	1,554,441	1,596,465	1,641,026	1,638,817	1,612,927	1,598,014
QUEENS SECTOR									
60TH STREET TUNNEL	264,694	269,524	277,751	280,490	282,481	283,573	292,407	268,370	250,506
53RD STREET TUNNEL	273,974	276,546	291,506	296,450	293,904	290,750	261,254	298,886	316,289
STEINWAY ST. TUNNEL	201,016	201,130	209,062	217,307	218,246	251,677	253,508	250,218	213,140
63RD STREET TUNNEL	171,082	169,055	172,102	173,726	173,005	184,759	180,682	140,057	170,538
SECTOR TOTAL	910,766	916,255	950,421	967,973	967,636	1,010,759	987,851	957,531	950,473

(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, 2010-2018

	2010	2011	2012	2013	2014	2015	2016	2017	2018
SUBWAY PASSENGERS									
NEW JERSEY SECTOR									
PATH DOWNTOWN	106,131	105,804	108,402	104,578	98,179	109,785	122,884	132,208	139,153
PATH UPTOWN	126,033	123,861	122,821	126,941	124,721	135,752	130,859	137,426	130,792
SECTOR TOTAL	232,164	229,665	231,223	231,519	222,900	245,537	253,743	269,634	269,945
TOTAL SUBWAY PASSENGERS	4,087,557	4,093,811	4,282,738	4,397,971	4,455,035	4,577,684	4,537,637	4,525,656	4,438,872
SUBURBAN RAIL PASSENGERS									
AMTRAK & MTA METRO-NORTH RR	203,561	210,491	212,203	212,920	215,376	221,466	222,545	226,389	228,682
AMTRAK & MTA LIRR	226,428	226,093	227,522	230,974	235,797	238,956	242,343	242,853	243,485
AMTRAK & NJ TRANSIT	166,830	158,287	164,098	172,646	181,752	194,377	200,805	197,399	196,740
TOTAL RAIL PASSENGERS	596,819	594,871	603,823	616,540	632,925	654,799	665,693	666,641	668,907
FERRY PASSENGERS									
MANHATTAN & UPSTATE	-	-	-	-	-	-	-	-	-
BROOKLYN	300	1,670	1,904	313	147	468	1,538	3,891	3,290
QUEENS	55	109	704	702	-	948	1,261	6,850	6,580
STATEN ISLAND	74,028	64,029 (1)	72,705 (1)	67,299 (1)	58,511 (1)	72,456 (1)	84,116 (1)	79,159 (1)	83,709 (1)
NEW JERSEY	36,042	36,008	30,279	29,239	29,069	34,887	35,836	35,901	36,340
TOTAL FERRY PASSENGERS	110,425	101,816	105,592	97,553	87,727	108,759	122,751	125,801	129,919
ROOSEVELT ISLAND TRAMWAY	(2)	6,174	6,759	7,080	5,561	7,680	9,205	5,516	7,326
TOTAL PUBLIC TRANSIT PASSENGERS (3)	5,323,055	5,324,379	5,523,313	5,651,171	5,709,000	5,929,761	5,891,026	5,880,996	5,790,122
BICYCLE	48,557	49,470 (4)	43,608 (4)	56,787 (4)	55,360 (4)	58,448 (4)	64,078 (4)	67,286 (4)	67,160 (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 (2014-2018)

SECTOR AND FACILITY	2014			2015			2016			2017			2018		
	AM	PM	OFF *	AM	PM	OFF *	AM	PM	OFF *	AM	PM	OFF *	AM	PM	OFF *
	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)
60TH STREET SECTOR															
SECOND AVE LOCAL (1)	-	-	-	-	-	-	-	-	-	24	22	287	22	19	254
LEXINGTON AVE EXPRESS	69	64	491	58	54	452	67	63	478	61	57	525	52	61	430
LEXINGTON AVE LOCAL	56	51	465	53	47	437	54	46	439	44	45	450	35	41	417
EIGHTH AVE EXPRESS	47	46	462	49	48	479	46	46	472	49	47	467	49	45	484
EIGHTH AVE LOCAL	38	36	352	37	35	350	34	36	347	38	36	345	37	32	309
B'WAY/7TH AV EXPRESS	59	55	465	56	49	464	56	52	476	58	51	419	56	54	385
B'WAY/7TH AV LOCAL	44	40	397	41	38	349	42	40	387	41	39	382	42	40	353
AMTRAK/METRO-NORTH	121	109	414	121	108	413	121	108	413	121	108	413	121	108	421
SECTOR TOTAL	434	401	3,046	415	379	2,944	420	391	3,012	436	405	3,288	414	400	3,053
BROOKLYN SECTOR															
14TH STREET TUNNEL	48	42	394	48	42	388	48	22	390	51	43	410	50	46	373
WILLIAMSBURG BRIDGE	43	44	396	46	46	381	46	44	403	43	40	391	46	46	400
RUTGERS ST. TUNNEL	34	34	311	32	34	307	33	29	310	33	32	306	32	33	315
MANHATTAN BRIDGE	92	90	756	96	95	797	98	93	759	97	96	824	91	82	772
CRANBERRY ST. TUNNEL	54	54	412	58	53	412	51	55	412	59	53	406	57	49	385
CLARK ST. TUNNEL	50	48	469	47	45	429	48	47	479	46	50	420	44	50	370
MONTAGUE ST. TUNNEL	23	26	229	24	25	211	23	24	230	24	26	249	23	28	272
JORALEMON ST. TUNNEL	60	61	483	56	54	439	56	59	477	56	57	526	51	63	450
SECTOR TOTAL	404	399	3,450	407	394	3,364	403	373	3,460	409	397	3,532	394	397	3,337
QUEENS SECTOR															
60TH STREET TUNNEL	62	57	563	63	60	586	64	65	582	59	63	501	58	62	552
53RD STREET TUNNEL	61	59	487	61	60	471	60	58	500	60	59	467	61	56	477
STEINWAY ST. TUNNEL	71	63	473	65	60	476	67	59	479	67	57	478	57	55	425
63RD STREET TUNNEL	39	39	301	39	39	304	37	37	301	40	37	292	38	38	303
AMTRAK/LIRR TUNNEL	86	80	331	86	80	332	86	80	332	86	80	331	87	80	346
SECTOR TOTAL	319	298	2,155	314	299	2,169	314	299	2,194	312	296	2,069	301	291	2,103
NEW JERSEY SECTOR															
PATH DOWNTOWN TUNNEL	67	67	377	67	67	378	67	67	380	67	67	378	67	67	379
PATH UPTOWN TUNNEL	60	58	396	61	55	403	61	55	399	61	55	399	61	55	399
AMTRAK/NJ TRANSIT TUNNELS	62	60	319	62	60	317	62	60	333	62	60	333	59	64	345
SECTOR TOTAL	189	185	1,092	190	182	1,098	190	182	1,112	190	182	1,110	187	186	1,123
GRAND TOTAL	1,346	1,283	9,743	1,326	1,254	9,575	1,327	1,245	9,778	1,347	1,280	9,999	1,296	1,274	9,616
SUBTOTAL, NYCT	950	909	7,906	929	884	7,732	930	875	7,921	950	910	8,145	901	900	7,726

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 (2014-2018)

SECTOR AND FACILITY	2014			2015			2016			2017			2018		
	AM	PM	OFF *	AM	PM	OFF *	AM	PM	OFF *	AM	PM	OFF *	AM	PM	OFF *
	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)
60TH STREET SECTOR															
SECOND AVE LOCAL (1)	-	-	-	-	-	-	-	-	-	240	220	2,870	220	190	2,540
LEXINGTON AVE EXPRESS	690	640	4,910	580	540	4,520	670	630	4,780	610	570	5,250	520	610	4,300
LEXINGTON AVE LOCAL	560	510	4,650	530	470	4,370	540	460	4,390	440	450	4,500	350	410	4,170
EIGHT AVE EXPRESS	376	368	3,696	392	384	3,832	368	368	3,776	392	376	3,736	392	360	3,872
EIGHT AVE LOCAL	304	288	2,816	296	280	2,800	272	288	2,776	304	288	2,760	296	256	2,472
B'WAY/7TH AV EXPRESS	590	550	4,650	560	490	4,640	560	520	4,760	580	510	4,190	560	540	3,850
B'WAY/7TH AV LOCAL	440	400	3,970	410	380	3,490	420	400	3,870	410	390	3,820	420	400	3,530
AMTRAK/METRO-NORTH	920	822	3,113	915	808	3,071	910	803	3,071	906	803	3,034	902	797	3,059
SECTOR TOTAL	3,880	3,578	27,805	3,683	3,352	26,723	3,740	3,469	27,423	3,642	3,387	27,290	3,660	3,563	27,793
BROOKLYN SECTOR															
14TH STREET TUNNEL	384	336	3,152	384	336	3,104	384	176	3,120	408	344	3,280	400	368	2,984
WILLIAMSBURG BRIDGE	344	352	3,168	368	368	3,048	368	352	3,224	344	320	3,128	368	368	3,200
RUTGERS ST. TUNNEL	340	340	3,110	320	340	3,070	330	290	3,100	330	320	3,060	320	330	3,150
MANHATTAN BRIDGE	826	810	6,824	862	856	7,212	882	838	6,852	870	868	7,504	816	740	7,018
CRANBERRY ST. TUNNEL	432	432	3,296	464	424	3,296	408	440	3,296	472	424	3,248	456	392	3,080
CLARK ST. TUNNEL	500	480	4,690	470	450	4,290	480	470	4,790	460	500	4,200	440	500	3,700
MONTAGUE ST. TUNNEL	184	208	1,918	192	200	1,728	184	192	1,922	192	208	2,034	184	228	2,278
JORALEMON ST. TUNNEL	600	610	4,830	560	540	4,390	560	590	4,770	560	570	5,260	510	630	4,500
SECTOR TOTAL	3,610	3,568	30,988	3,620	3,514	30,138	3,596	3,348	31,074	3,636	3,554	31,714	3,494	3,556	29,910
QUEENS SECTOR															
60TH STREEL TUNNEL	576	528	5,262	584	552	5,474	592	600	5,438	548	582	4,622	536	572	5,142
53RD STREET TUNNEL	564	546	4,522	562	556	4,416	556	538	4,632	552	546	4,368	566	520	4,462
STEINWAY ST. TUNNEL	781	693	5,203	715	660	5,236	737	649	5,269	737	627	5,258	627	605	4,675
63RD STREET TUNNEL	390	390	3,010	390	390	3,040	370	370	3,010	400	370	2,920	380	380	3,030
AMTRAK/LIRR TUNNEL	863	823	3,376	861	821	3,381	864	822	3,401	860	818	3,371	868	815	3,490
SECTOR TOTAL	3,174	2,980	21,373	3,112	2,979	21,547	3,119	2,979	21,750	3,097	2,943	20,539	2,977	2,892	20,799
NEW JERSEY SECTOR															
PATH DOWNTOWN TUNNNEL	510	510	2,857	536	536	3,024	536	536	3,040	536	536	3,024	510	510	2,872
PATH UPTOWN TUNNNEL	420	406	2,758	427	385	2,821	427	385	2,793	427	385	2,793	427	385	2,793
AMTRAK/NJ TRANSIT TUNNELS	511	511	2,510	528	515	2,507	528	517	2,607	529	516	2,618	500	519	2,622
SECTOR TOTAL	1,441	1,427	8,125	1,491	1,436	8,352	1,491	1,438	8,440	1,492	1,437	8,435	1,437	1,414	8,287
GRAND TOTAL	12,105	11,553	88,291	11,906	11,281	86,760	11,946	11,234	88,687	11,867	11,321	87,978	11,568	11,425	86,789
TOTAL, NYCT	8,881	8,481	73,677	8,639	8,216	71,956	8,681	8,171	73,775	8,609	8,263	73,138	8,141	8,209	69,413

(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 (2008-2018)
(in square feet)

MODE / YEAR	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
60TH STREET SECTOR											
SUBWAY-EXPRESS	4.5	5.3	4.9	5.7	5.1	4.5	4.4	4.0	3.9	4.3	4.4
SUBWAY-LOCAL	5.7	7.0	6.3	6.3	5.9	4.9	4.9	5.1	5.1	5.2	4.8
SUBURBAN RAIL	7.1	7.3	7.1	7.1	7.3	7.2	7.3	7.2	7.3	7.0	7.0
BUS	11.8	11.3	11.0	9.2	9.5	10.9	11.6	13.0	14.0	15.2	15.5
SECTOR AVERAGE	5.6	6.5	5.9	6.3	6.0	5.3	5.4	5.2	5.2	5.4	5.4
BROOKLYN SECTOR											
SUBWAY	5.6	5.4	5.5	5.7	5.6	5.2	5.3	5.3	5.2	5.4	5.2
BUS	8.8	8.5	7.2	7.8	8.0	8.6	9.3	8.9	9.0	9.5	9.1
SECTOR AVERAGE	5.8	5.5	5.6	5.8	5.7	5.4	5.4	5.4	5.4	5.5	5.3
QUEENS SECTOR											
SUBWAY	5.3	6.0	6.2	5.9	5.9	5.3	5.5	5.1	5.1	5.1	4.9
SUBURBAN RAIL	6.5	6.9	6.9	7.0	7.1	7.0	7.0	6.9	6.9	7.0	7.0
BUS	10.3	10.7	10.6	9.7	9.8	10.7	11.8	12.3	15.7	12.7	14.4
SECTOR AVERAGE	5.8	6.4	6.5	6.3	6.3	6.0	6.1	5.8	5.8	5.8	5.6
NEW JERSEY SECTOR											
SUBWAY	4.3	4.9	4.8	4.9	4.9	4.6	4.7	4.4	4.1	3.8	3.6
SUBURBAN RAIL	7.0	6.9	7.5	6.3	6.2	5.8	5.4	5.6	4.5	5.4	4.9
BUS	9.2	9.2	9.2	9.1	9.1	9.1	9.1	8.2	8.3	8.3	8.2
SECTOR AVERAGE	7.0	7.3	7.3	7.0	7.0	6.8	6.6	6.3	5.8	5.9	5.8
STATEN ISLAND FERRY	12.8	12.7	12.8	14.9	13.7	13.7	14.5	12.7	14.6	12.8	12.6
ROOSEVELT ISLAND TRAMWAY (2)	4.2	4.3	-	4.1	3.0	2.6	3.5	3.1	2.7	6.2	4.1
ALL TRANSIT MODES	6.0	6.4	6.2	6.3	6.2	5.7	5.8	5.7	5.6	5.7	5.6

(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 (2008-2018)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
BUS PASSENGERS											
EXPRESS BUS											
NEW YORK CITY	52,911	43,841	46,857	48,281	46,764	48,062	45,889	43,118	41,745	42,848	40,938
WEST OF HUDSON	190,979	190,548	193,768	187,382	191,074	191,988	192,349	214,609	215,478	219,336	217,485
NORTH OF NYC	1,092	1,038	424	305	257	354	272	252	241	260	291
TOTAL EXPRESS BUS	244,982	235,427	241,049	235,968	238,095	240,404	238,510	257,979	257,464	262,444	258,714
LOCAL BUS	39,102	38,339	27,614	27,138	29,809	27,832	24,161	20,975	21,229	19,834	21,021
TOTAL BUS PASSENGERS	284,084	273,766	268,663	263,106	267,904	268,236	262,671	278,954	278,693	282,278	279,735
NUMBER OF BUSES											
EXPRESS BUS											
NEW YORK CITY	2,038	1,671	1,678	1,603	1,598	1,659	1,645	1,617	1,597	1,604	1,631
WEST OF HUDSON	7,627	7,687	7,838	7,664	7,654	7,588	7,698	7,728	7,754	7,967	7,868
NORTH OF NYC	104	92	34	26	12	12	12	12	11	11	11
TOTAL EXPRESS BUS	9,769	9,450	9,550	9,293	9,264	9,259	9,355	9,357	9,362	9,582	9,510
LOCAL BUS	2,290	2,389	1,872	1,799	1,783	1,791	1,759	1,728	1,782	1,803	1,749
TOTAL BUSES	12,059	11,839	11,422	11,092	11,047	11,050	11,114	11,085	11,144	11,385	11,259

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 (2008-2018)

VEHICLE OCCUPANTS / LOCATION	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
60TH STREET SECTOR											
EAST OF CENTRAL PARK											
FDR DRIVE	188,080	191,120	195,320	189,231	196,913	195,423	191,309	187,021	192,664	192,149	201,826
YORK AVENUE	43,955	45,159	45,796	45,235	45,436	44,227	42,477	42,909	30,726	30,448	34,210
SECOND AND FIRST AVENUES	110,593	113,193	104,044	110,739	94,929	101,793	105,217	98,916	88,794	98,573	90,259
QUEENSBORO BRIDGE RAMP	39,265	42,088	43,470	45,194	42,625	40,162	39,033	39,984	42,738	39,821	41,299
LEXINGTON AND THIRD AVENUES	75,900	79,201	76,017	75,792	74,994	68,538	67,055	62,575	63,911	61,795	61,799
PARK AVENUE	60,417	59,752	61,661	63,233	58,884	58,915	56,929	52,978	49,594	48,965	51,764
FIFTH AND MADISON AVENUES	74,404	74,272	79,140	77,917	78,596	71,815	68,590	68,710	69,745	56,484	54,586
SUBTOTAL	592,615	604,785	605,448	607,341	592,377	580,873	570,610	553,093	538,172	528,235	535,743
CENTRAL PARK DRIVES	13,622	13,036	13,302	12,988	12,699	11,438	10,285	11,501	7,971	7,584	(1)
WEST OF CENTRAL PARK											
EIGHTH AVE./CENTRAL PARK WEST (2)	25,462	25,310	27,141	27,717	25,715	25,909	24,641	24,581	22,836	23,186	22,324
BROADWAY	41,369	38,068	42,609	43,877	42,753	41,352	39,691	38,746	35,562	38,454	33,011
COLUMBUS AND AMSTERDAM AVE.	65,823	67,047	65,337	71,203	62,423	62,331	52,454	55,872	52,190	53,383	58,403
WEST END AVENUE	35,457	35,592	34,991	36,227	35,970	34,582	33,035	32,513	29,814	30,479	32,912
WEST SIDE HIGHWAY	131,664	133,185	134,233	127,418	126,406	127,869	130,798	130,334	132,990	130,145	128,221
SUBTOTAL	299,775	299,202	304,311	306,442	293,267	292,043	280,619	282,046	273,392	275,647	274,871
SECTOR TOTAL	906,012	917,023	923,061	926,771	898,343	884,354	861,514	846,640	819,535	811,466	810,613
BROOKLYN SECTOR											
WILLIAMSBURG BRIDGE	134,976	136,911	140,873	131,280	142,822	146,517	141,418	133,361	133,941	133,698	133,007
MANHATTAN BRIDGE	96,103	98,074	101,963	116,178	121,500	118,250	113,982	118,636	115,102	108,897	102,793
BROOKLYN BRIDGE	156,084	157,799	156,005	133,844	126,798	129,723	126,865	129,227	133,399	145,130	150,549
HUGH L. CAREY TUNNEL	49,293	57,879	62,142	57,484	61,069	61,362	61,509	64,050	65,036	63,168	68,007
SECTOR TOTAL	436,456	450,663	460,983	438,786	452,189	455,852	443,774	445,274	447,478	450,893	454,356
QUEENS SECTOR											
QUEENS MIDTOWN TUNNEL	120,133	123,794	126,930	125,129	131,390	127,136	122,316	127,551	108,118	118,366	122,509
ED KOCH QUEENSBORO BRIDGE (3)	213,179	217,752	215,219	221,920	215,734	207,920	211,164	211,117	206,019	204,401	176,123
SECTOR TOTAL	333,312	341,546	342,149	347,049	347,124	335,056	333,480	338,668	314,137	322,767	298,632
NEW JERSEY SECTOR											
HOLLAND TUNNEL	110,113	109,834	117,204	105,854	110,387	105,697	102,579	106,165	104,959	102,949	105,863
LINCOLN TUNNEL	136,940	117,907	137,517	124,271	139,893	133,508	132,058	142,484	134,184	136,876	129,952
SECTOR TOTAL	247,053	227,741	254,721	230,125	250,280	239,205	234,637	248,649	239,143	239,825	235,815
TOTAL, ALL FACILITIES	1,922,833	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) 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 (2008-2018)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
EAST OF CENTRAL PARK											
FDR DRIVE	144,425	146,660	149,789	145,149	151,111	150,087	146,976	143,495	147,824	147,470	155,529
YORK AVENUE	34,560	35,473	35,883	35,656	35,819	34,276	32,708	32,940	24,429	23,390	26,272
SECOND AND FIRST AVENUES	83,584	85,394	77,900	83,584	72,127	76,723	79,161	74,267	66,341	74,201	68,167
ED KOCH QUEENSBORO BRIDGE RAMP	32,645	34,937	36,093	37,528	35,409	33,357	32,367	33,149	35,408	33,049	34,248
LEXINGTON AND THIRD AVENUES	56,583	59,010	56,808	56,719	56,261	51,562	50,375	47,037	47,866	46,379	46,365
PARK AVENUE	41,905	41,377	42,723	43,697	40,721	40,735	39,370	36,517	34,334	33,927	35,942
FIFTH AND MADISON AVENUES	49,350	49,192	52,390	51,638	52,204	47,542	45,444	45,569	46,251	37,677	36,342
SUBTOTAL	443,052	452,043	451,586	453,971	443,652	434,282	426,401	412,974	402,453	396,093	402,865
CENTRAL PARK DRIVES	7,420	7,301	7,417	7,248	6,946	6,376	5,750	6,399	4,452	4,244	(1)
WEST OF CENTRAL PARK (2)											
CENTRAL PARK WEST	14,371	14,302	15,330	15,660	14,517	14,608	13,915	13,839	12,926	13,096	12,625
BROADWAY	30,800	28,462	31,795	32,706	31,885	30,847	29,600	28,927	26,550	28,731	24,626
COLUMBUS AND AMSTERDAM AVES.	49,822	50,707	49,447	53,847	47,261	47,098	39,700	42,229	39,487	40,430	44,205
WEST END AVENUE	24,644	24,750	24,337	25,203	25,009	24,056	22,980	22,611	20,725	21,182	22,888
WEST SIDE HIGHWAY	114,848	116,285	117,143	111,227	110,341	111,560	114,186	113,753	116,126	113,626	112,080
SUBTOTAL	234,485	234,506	238,052	238,643	229,013	228,169	220,381	221,359	215,814	217,065	216,424
SECTOR TOTAL	684,957	693,850	697,055	699,862	679,611	668,827	652,532	640,732	622,719	617,402	619,288
BROOKLYN SECTOR											
WILLIAMSBURG BRIDGE	106,647	108,077	111,189	103,590	112,696	115,618	111,575	105,154	105,590	105,352	104,722
MANHATTAN BRIDGE	70,276	71,872	74,777	85,392	89,087	87,375	84,048	87,046	85,084	80,273	75,862
BROOKLYN BRIDGE	123,781	125,021	123,640	105,820	100,288	102,542	99,986	102,219	105,679	115,981	119,735
HUGH L. CAREY TUNNEL	43,010	50,440	54,097	49,967	53,067	53,389	53,532	55,734	56,545	55,039	59,201
SECTOR TOTAL	343,714	355,410	363,703	344,769	355,138	358,924	349,141	350,153	352,898	356,645	359,520
QUEENS SECTOR											
QUEENS MIDTOWN TUNNEL	83,481	85,704	88,231	86,730	90,992	87,985	84,628	88,573	74,883	82,392	85,330
ED KOCH QUEENSBORO BRIDGE (3)	175,299	179,125	176,903	182,611	177,455	170,807	173,508	173,776	169,586	168,029	144,782
SECTOR TOTAL	258,780	264,829	265,134	269,341	268,447	258,792	258,136	262,349	244,469	250,421	230,112
NEW JERSEY SECTOR											
HOLLAND TUNNEL	91,186	91,508	97,658	88,186	91,957	88,015	85,467	88,457	87,481	85,804	86,141
LINCOLN TUNNEL	99,043	85,462	99,538	90,020	101,235	96,595	95,662	103,110	97,020	99,005	98,187
SECTOR TOTAL	190,228	176,970	197,196	178,206	193,192	184,610	181,129	191,567	184,501	184,809	184,328
TOTAL, ALL FACILITIES	1,477,679	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) 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 (2010-2018), BY MODE AND BY SECTOR

YEAR / SECTOR / MODE	2010	2011	2012	2013	2014	2015	2016	2017	2018
SECTOR									
60TH STREET	214,799	216,599	217,782	218,353	211,423	209,223	203,088	207,161	203,943
BROOKLYN	94,717	94,256	99,263	103,442	107,214	111,246	109,910	109,364	109,886
QUEENS	64,368	65,530	68,144	70,074	68,897	68,449	66,830	64,037	62,192
NEW JERSEY	74,299	64,855	63,333	63,346	61,999	73,836	68,908	68,479	67,894
STATEN ISLAND	2,047	2,204	2,010	1,900	1,934	2,157	2,430	2,377	2,391
ROOSEVELT ISLAND	(1)	272	257	229	154	205	256	200	266
TOTAL, ALL SECTORS	450,230	443,716	450,789	457,344	451,621	465,116	451,422	451,618	446,572
MODE									
AUTOS, TAXIS, VANS AND TRUCKS	137,728	134,452	133,524	130,362	124,490	122,351	117,077	117,441	119,827
BUS	39,114	32,734	33,470	31,996	32,317	41,029	36,633	35,812	35,624
SUBWAY	250,374	253,959	261,945	271,455	272,112	277,764	273,265	273,944	266,087
SUBURBAN AND INTERCITY RAIL	17,504	16,893	16,791	17,396	17,011	17,803	17,418	17,250	17,382
FERRY	3,533	3,247	3,148	3,119	2,943	3,281	3,690	3,764	3,817
TRAMWAY	(1)	272	257	229	154	205	256	200	266
BICYCLE	1,977	2,159	1,654	2,787	2,594	2,683	3,083	3,207	3,569
TOTAL, ALL MODES	450,230	443,716	450,789	457,344	451,621	465,116	451,422	451,618	446,572

(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		
	2015	2016	2017	2018	2016/ 2015	2017/ 2016	2018/ 2017
CONNECTICUT REGION							
3 COUNTIES	1,991	1,984	1,993	1,983	-0.4%	0.5%	-0.5%
NEW JERSEY							
9 COUNTIES	5,780	5,773	5,829	5,750	-0.1%	1.0%	-1.4%
NEW YORK STATE							
MANHATTAN CBD (1)	603	620	623	627	2.8%	0.5%	0.6%
NYC REMAINDER	7,947	7,918	7,999	7,772	-0.4%	1.0%	-2.8%
7 SUBURBAN COUNTIES	4,938	4,928	4,949	4,908	-0.2%	0.4%	-0.8%
TOTAL	13,488	13,466	13,571	13,307	-0.2%	0.8%	-1.9%
TOTAL REGION	21,259	21,223	21,393	21,040	-0.2%	0.8%	-1.6%

(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.

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

	EMPLOYMENT (in thousands)				PERCENT CHANGE		
	2015	2016	2017	2018	2016/ 2015	2017/ 2016	2018/ 2017
CONNECTICUT REGION							
3 COUNTIES	844	847	845	849	0.4%	-0.2%	-0.5%
NEW JERSEY							
9 COUNTIES	2,515	2,555	2,588	2,613	1.6%	1.3%	1.0%
NEW YORK STATE							
MANHATTAN CBD (1)	1,954	1,970	1,969	1,968	0.8%	-0.1%	-0.1%
NYC REMAINDER	2,128	2,196	2,283	2,412	3.2%	4.0%	5.6%
7 SUBURBAN COUNTIES	2,066	2,093	2,117	2,020	1.3%	1.1%	-4.6%
TOTAL	6,148	6,259	6,369	6,399	1.8%	1.8%	0.5%
REGION TOTAL	9,507	9,661	9,802	9,861	1.6%	1.5%	0.6%

(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 - 2018

TABLE 14 A
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2018
MORNING PEAK HOUR (8-9 AM)

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN 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	6,169	-	-	-	-	-
York Avenue	516	-	-	-	120	-
First Avenue	-	-	-	-	-	-
Second Avenue	2,205	-	12,988	680	155	-
Third Avenue	-	-	-	-	-	-
Lexington Avenue- IRT	1,282	23,774	13,375	108	389	-
Park Ave	1,823	-	-	-	-	35,693
Madison Avenue	-	-	-	-	-	-
Fifth Avenue	1,533	-	-	479	974	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	1,350	14,801	19,980	41	323	-
Eighth Avenue	-	23,952	9,798	-	-	-
Columbus Avenue	1,638	-	-	-	116	-
Amsterdam Avenue	-	-	-	-	-	-
West End Avenue	916	-	-	-	161	-
West Side Highway	4,790	-	-	-	-	169
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	22,222	62,527	56,141	1,308	2,238	35,862
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	23,678	-	-	-
Williamsburg Bridge-BMT	2,763	-	15,326	-	10	-
Rutgers Tunnel-IND	-	-	10,531	-	-	-
Manhattan Bridge-BMT	3,141	21,527	23,474	-	-	-
Brooklyn Bridge	4,213	-	-	-	-	-
Cranberry Tunnel-IND	-	-	24,887	-	-	-
Clark Tunnel-IRT	-	-	15,098	-	-	-
Montague Tunnel-BMT	-	-	5,358	-	-	-
Joralemon Tunnel-IRT	-	-	14,179	-	-	-
Hugh L. Carey Tunnel	3,250	-	-	5,042	-	-
	-	-	-	-	-	-
SECTOR TOTAL	13,367	21,527	132,531	5,042	10	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	18,057	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	26,396	-	-	-
Ed Koch Queensboro Bridge-Tramway	4,535	-	-	-	199	-
Fifty-third St. Tunnel-IND	-	-	27,340	-	-	-
Steinway Tunnel-IRT	-	-	17,976	-	-	-
Queens Midtown Tunnel-IRT	4,544	-	-	2,621	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	33,600
	-	-	-	-	-	-
SECTOR TOTAL	9,079	-	89,769	2,621	199	33,600
NEW JERSEY SECTOR						
Lincoln Tunnel	3,842	-	-	37,184	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	25,971
Uptown PATH Tunnel	-	-	17,246	-	-	-
Holland Tunnel	3,706	-	-	2,299	-	-
Downtown PATH Tunnel	-	-	18,953	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	7,548	-	36,199	39,483	-	25,971
	-	-	-	-	-	-
TOTAL, ALL SECTORS	52,216	84,054	314,640	48,454	2,447	95,433

TABLE 14 A (Continued)
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2018
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	8-9 AM	8-9 AM
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	6,169
York Avenue	-	-	-	120	636
First Avenue	-	-	5	5	5
Second Avenue	-	-	376	14,199	16,404
Third Avenue	-	-	1	1	1
Lexington Avenue- IRT	-	-	57	37,703	38,985
Park Ave	-	-	52	35,745	37,568
Madison Avenue	-	-	-	-	-
Fifth Avenue	-	-	133	1,586	3,119
Sixth Avenue	-	-	1	1	1
Seventh Avenue	-	-	122	122	122
Broadway	-	-	202	35,347	36,697
Eighth Avenue	-	-	6	33,756	33,756
Columbus Avenue	-	-	153	269	1,907
Amsterdam Avenue	-	-	1	1	1
West End Avenue	-	-	34	195	1,111
West Side Highway	-	-	3	172	4,962
Hudson River Greenway	-	-	643	643	643
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-
	-	-	-	-	-
SECTOR TOTAL	-	-	1,789	159,865	182,087
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	23,678	23,678
Williamsburg Bridge-BMT	-	-	601	15,937	18,700
Rutgers Tunnel-IND	-	-	-	10,531	10,531
Manhattan Bridge-BMT	-	-	552	45,553	48,694
Brooklyn Bridge	-	-	281	281	4,494
Cranberry Tunnel-IND	-	-	-	24,887	24,887
Clark Tunnel-IRT	-	-	-	15,098	15,098
Montague Tunnel-BMT	-	-	-	5,358	5,358
Joralemon Tunnel-IRT	-	-	-	14,179	14,179
Hugh L. Carey Tunnel	-	-	-	5,042	8,292
All Ferry Points	473	-	-	473	473
SECTOR TOTAL	473	-	1,434	161,017	174,384
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	18,057	18,057
Sixtieth St. Tunnel-BMT/IND	-	-	-	26,396	26,396
Ed Koch Queensboro Bridge-Tramway	-	511	433	1,143	5,678
Fifty-third St. Tunnel-IND	-	-	-	27,340	27,340
Steinway Tunnel-IRT	-	-	-	17,976	17,976
Queens Midtown Tunnel-IRT	-	-	-	2,621	7,165
Amtrak/LIRR Tunnels	-	-	-	33,600	33,600
All Ferry Points	854	-	-	854	854
SECTOR TOTAL	854	511	433	127,987	137,066
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	37,184	41,026
Amtrak/N.J. Transit Tunnels	-	-	-	25,971	25,971
Uptown PATH Tunnel	-	-	-	17,246	17,246
Holland Tunnel	-	-	-	2,299	6,005
Downtown PATH Tunnel	-	-	-	18,953	18,953
All Ferry Points	5,898	-	-	5,898	5,898
SECTOR TOTAL	5,898	-	-	107,551	115,099
STATEN ISLAND FERRY, BICYCLE	6,293	-	38	6,331	6,331
TOTAL, ALL SECTORS	13,518	511	3,694	562,751	614,967

TABLE 14 B
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2018
MORNING PEAK PERIOD (7-10 AM)

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN 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	18,354	-	-	-	-	-
York Avenue	1,523	-	-	-	295	-
First Avenue	-	-	-	-	-	-
Second Avenue	6,416	-	27,642	1,709	434	-
Third Avenue	-	-	-	-	-	-
Lexington Avenue- IRT	3,865	52,481	24,539	345	1,602	-
Park Ave	4,867	-	-	-	-	72,112
Madison Avenue	-	-	-	-	-	-
Fifth Avenue	4,336	-	-	1,924	2,186	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	3,618	42,790	40,515	130	805	-
Eighth Avenue	-	55,413	21,231	-	-	-
Columbus Avenue	4,475	-	-	-	284	-
Amsterdam Avenue	-	-	-	-	-	-
West End Avenue	2,603	-	-	-	318	-
West Side Highway	14,323	-	-	-	-	541
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	64,380	150,684	113,927	4,108	5,924	72,653
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	56,507	-	-	-
Williamsburg Bridge-BMT	8,643	-	31,965	-	25	-
Rutgers Tunnel-IND	-	-	25,610	-	-	-
Manhattan Bridge-BMT	9,512	46,204	52,281	-	-	-
Brooklyn Bridge	12,211	-	-	-	-	-
Cranberry Tunnel-IND	-	-	57,159	-	-	-
Clark Tunnel-IRT	-	-	32,924	-	-	-
Montague Tunnel-BMT	-	-	13,809	-	-	-
Joralemon Tunnel-IRT	-	-	35,102	-	-	-
Hugh L. Carey Tunnel	9,173	-	-	12,355	-	-
	-	-	-	-	-	-
SECTOR TOTAL	39,539	46,204	305,357	12,355	25	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	40,620	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	59,384	-	-	-
Ed Koch Queensboro Bridge-Tramway	14,126	-	-	-	629	-
Fifty-third St. Tunnel-IND	-	-	65,675	-	-	-
Steinway Tunnel-IRT	-	-	44,672	-	-	-
Queens Midtown Tunnel-IRT	13,436	-	-	7,176	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	72,107
	-	-	-	-	-	-
SECTOR TOTAL	27,562	-	210,351	7,176	629	72,107
NEW JERSEY SECTOR						
Lincoln Tunnel	11,036	-	-	-	-	55,067
Amtrak/N.J. Transit Tunnels	-	-	35,422	-	-	-
Uptown PATH Tunnel	-	-	-	5,572	-	-
Holland Tunnel	10,877	-	40,470	-	-	-
Downtown PATH Tunnel	-	-	-	-	-	-
	-	-	-	89,556	-	-
SECTOR TOTAL	21,913	-	75,892	95,128	-	55,067
	-	-	-	-	-	-
TOTAL, ALL SECTORS	153,394	196,888	705,527	118,767	6,578	199,827

TABLE 14 B (Continued)
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2018
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	-	-	-	-	18,354
York Avenue	-	-	-	295	1,818
First Avenue	-	-	16	16	16
Second Avenue	-	-	859	30,644	37,060
Third Avenue	-	-	2	2	2
Lexington Avenue- IRT	-	-	165	79,132	82,997
Park Ave	-	-	133	72,245	77,112
Madison Avenue	-	-	-	-	-
Fifth Avenue	-	-	340	4,450	8,786
Sixth Avenue	-	-	6	6	6
Seventh Avenue	-	-	295	295	295
Broadway	-	-	435	84,675	88,293
Eighth Avenue	-	-	30	76,674	76,674
Columbus Avenue	-	-	375	659	5,134
Amsterdam Avenue	-	-	4	4	4
West End Avenue	-	-	92	410	3,013
West Side Highway	-	-	6	547	14,870
Hudson River Greenway	-	-	1,522	1,522	1,522
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	4,280	351,576	415,956
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	56,507	56,507
Williamsburg Bridge-BMT	-	-	1,420	33,410	42,053
Rutgers Tunnel-IND	-	-	-	25,610	25,610
Manhattan Bridge-BMT	-	-	1,287	99,772	109,284
Brooklyn Bridge	-	-	631	631	12,842
Cranberry Tunnel-IND	-	-	-	57,159	57,159
Clark Tunnel-IRT	-	-	-	32,924	32,924
Montague Tunnel-BMT	-	-	-	13,809	13,809
Joralemon Tunnel-IRT	-	-	-	35,102	35,102
Hugh L. Carey Tunnel	-	-	-	12,355	21,528
All Ferry Points	862	-	-	862	862
SECTOR TOTAL	862	-	3,338	368,141	407,680
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	40,620	40,620
Sixtieth St. Tunnel-BMT/IND	-	-	-	59,384	59,384
Ed Koch Queensboro Bridge-Tramway	-	1,088	1,026	2,743	16,869
Fifty-third St. Tunnel-IND	-	-	-	65,675	65,675
Steinway Tunnel-IRT	-	-	-	44,672	44,672
Queens Midtown Tunnel-IRT	-	-	-	7,176	20,612
Amtrak/LIRR Tunnels	-	-	-	72,107	72,107
All Ferry Points	1,724	-	-	1,724	1,724
SECTOR TOTAL	1,724	1,088	1,026	294,101	321,663
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	55,067	66,103
Amtrak/N.J. Transit Tunnels	-	-	-	35,422	35,422
Uptown PATH Tunnel	-	-	-	5,572	5,572
Holland Tunnel	-	-	-	40,470	51,347
Downtown PATH Tunnel	12,460	-	-	12,460	12,460
All Ferry Points	-	-	-	89,556	89,556
SECTOR TOTAL	12,460	-	-	238,547	260,460
STATEN ISLAND FERRY, BICYCLE	14,982	-	110	15,092	15,092
TOTAL, ALL SECTORS	30,028	1,088	8,754	1,267,457	1,420,851

TABLE 14 C
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2018
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	108,794	-	-	-	-	-
York Avenue	13,715	-	-	-	1,403	-
First Avenue	-	-	-	-	-	-
Second Avenue	52,596	-	79,745	5,251	2,128	-
Third Avenue	-	-	-	-	-	-
Lexington Avenue- IRT	26,381	155,087	113,371	712	4,588	-
Park Ave	26,207	-	-	-	-	112,764
Madison Avenue	-	-	-	-	-	-
Fifth Avenue	25,577	-	-	4,850	5,603	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	19,645	140,814	116,949	331	2,865	-
Eighth Avenue	-	152,141	57,776	-	-	-
Columbus Avenue	29,907	-	-	-	1,171	-
Amsterdam Avenue	-	-	-	-	-	-
West End Avenue	17,290	-	-	-	1,008	-
West Side Highway	71,837	-	-	-	-	2,010
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	391,949	448,042	367,841	11,144	18,766	114,774
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	128,867	-	-	-
Williamsburg Bridge-BMT	60,167	-	73,926	-	206	-
Rutgers Tunnel-IND	-	-	71,597	-	-	-
Manhattan Bridge-BMT	49,506	91,441	129,483	-	-	-
Brooklyn Bridge	72,849	-	-	-	-	-
Cranberry Tunnel-IND	-	-	129,583	-	-	-
Clark Tunnel-IRT	-	-	70,785	-	-	-
Montague Tunnel-BMT	-	-	27,570	-	-	-
Joralemon Tunnel-IRT	-	-	84,509	-	-	-
Hugh L. Carey Tunnel	33,335	-	-	20,587	-	-
	-	-	-	-	-	-
SECTOR TOTAL	215,857	91,441	716,320	20,587	206	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	91,091	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	134,083	-	-	-
Ed Koch Queensboro Bridge-Tramway	94,515	-	-	-	2,049	-
Fifty-third St. Tunnel-IND	-	-	160,210	-	-	-
Steinway Tunnel-IRT	-	-	95,374	-	-	-
Queens Midtown Tunnel-IRT	63,969	-	-	9,498	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	122,603
	-	-	-	-	-	-
SECTOR TOTAL	158,484	-	480,758	9,498	2,049	122,603
NEW JERSEY SECTOR						
Lincoln Tunnel	57,353	-	-	201,783	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	101,072
Uptown PATH Tunnel	-	-	66,373	-	-	-
Holland Tunnel	54,335	-	-	15,702	-	-
Downtown PATH Tunnel	-	-	70,937	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	111,688	-	137,310	217,485	-	101,072
	-	-	-	-	-	-
TOTAL, ALL SECTORS	877,978	539,483	1,702,229	258,714	21,021	338,449

TABLE 14 C (Continued)
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2018
24 HOUR

	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
LOCATION / TRAVEL MODE	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	108,794
York Avenue	-	-	-	1,403	15,118
First Avenue	-	-	100	100	100
Second Avenue	-	-	3,895	91,019	143,615
Third Avenue	-	-	41	41	41
Lexington Avenue- IRT	-	-	1,772	275,530	301,911
Park Ave	-	-	1,268	114,032	140,239
Madison Avenue	-	-	50	50	50
Fifth Avenue	-	-	2,676	13,129	38,706
Sixth Avenue	-	-	35	35	35
Seventh Avenue	-	-	2,009	2,009	2,009
Broadway	-	-	2,133	263,092	282,737
Eighth Avenue	-	-	131	210,048	210,048
Columbus Avenue	-	-	3,351	4,522	34,429
Amsterdam Avenue	-	-	121	121	121
West End Avenue	-	-	773	1,781	19,071
West Side Highway	-	-	32	2,042	73,879
Hudson River Greenway	-	-	4,485	4,485	4,485
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	22,872	983,439	1,375,388
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	128,867	128,867
Williamsburg Bridge-BMT	-	-	3,307	77,439	137,606
Rutgers Tunnel-IND	-	-	-	71,597	71,597
Manhattan Bridge-BMT	-	-	3,076	224,000	273,506
Brooklyn Bridge	-	-	1,489	1,489	74,338
Cranberry Tunnel-IND	-	-	-	129,583	129,583
Clark Tunnel-IRT	-	-	-	70,785	70,785
Montague Tunnel-BMT	-	-	-	27,570	27,570
Joralemon Tunnel-IRT	-	-	-	84,509	84,509
Hugh L. Carey Tunnel	-	-	-	20,587	53,922
All Ferry Points	1,863	-	-	1,863	1,863
SECTOR TOTAL	1,863	-	7,872	838,289	1,054,146
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	91,091	91,091
Sixtieth St. Tunnel-BMT/IND	-	-	-	134,083	134,083
Ed Koch Queensboro Bridge-Tramway	-	3,528	2,596	8,173	102,688
Fifty-third St. Tunnel-IND	-	-	-	160,210	160,210
Steinway Tunnel-IRT	-	-	-	95,374	95,374
Queens Midtown Tunnel-IRT	-	-	-	9,498	73,467
Amtrak/LIRR Tunnels	-	-	-	122,603	122,603
All Ferry Points	3,365	-	-	3,365	3,365
SECTOR TOTAL	3,365	3,528	2,596	624,397	782,881
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	201,783	259,136
Amtrak/N.J. Transit Tunnels	-	-	-	101,072	101,072
Uptown PATH Tunnel	-	-	-	66,373	66,373
Holland Tunnel	-	-	-	15,702	70,037
Downtown PATH Tunnel	-	-	-	70,937	70,937
All Ferry Points	19,876	-	-	19,876	19,876
SECTOR TOTAL	19,876	-	-	475,743	587,431
STATEN ISLAND FERRY, BICYCLE	41,828	-	294	42,122	42,122
TOTAL, ALL SECTORS	66,932	3,528	33,634	2,963,990	3,841,968

TABLE 15 A
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2018
EVENING PEAK HOUR (5-6 PM)

LOCATION / TRAVEL MODE	AUTOS, TAXIS,	SUBWAY	SUBWAY	BUS	BUS	SUBURBAN
	VANS & TRUCKS	EXPRESS	LOCAL	EXPRESS	LOCAL	RAIL
	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	4,793	-	-	-	-	-
York Avenue	1,135	-	-	-	134	-
First Avenue	2,105	-	-	758	232	-
Second Avenue	-	-	6,677	-	-	-
Third Avenue	1,939	-	-	23	561	-
Lexington Avenue- IRT	-	22,545	11,516	-	-	-
Park Ave	1,698	-	-	-	-	28,308
Madison Avenue	1,595	-	-	1,037	1,068	-
Fifth Avenue	-	-	-	-	-	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	824	17,018	11,748	20	277	-
Eighth Avenue	1,258	16,074	5,835	-	62	-
Columbus Avenue	-	-	-	-	-	-
Amsterdam Avenue	1,836	-	-	-	134	-
West End Avenue	1,301	-	-	-	114	-
West Side Highway	2,898	-	-	-	-	194
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	1,983	-	-	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	23,365	55,637	35,776	1,838	2,582	28,502
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	17,513	-	-	-
Williamsburg Bridge-BMT	3,931	-	10,292	-	6	-
Rutgers Tunnel-IND	-	-	7,735	-	-	-
Manhattan Bridge-BMT	3,360	16,639	17,346	-	-	-
Brooklyn Bridge	3,807	-	-	-	-	-
Cranberry Tunnel-IND	-	-	17,207	-	-	-
Clark Tunnel-IRT	-	-	10,662	-	-	-
Montague Tunnel-BMT	-	-	5,329	-	-	-
Joralemon Tunnel-IRT	-	-	10,187	-	-	-
Hugh L. Carey Tunnel	3,211	-	-	4,820	-	-
	-	-	-	-	-	-
SECTOR TOTAL	14,309	16,639	96,271	4,820	6	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	13,116	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	13,759	-	-	-
Ed Koch Queensboro Bridge-Tramway	3,874	-	-	1,928	403	-
Fifty-third St. Tunnel-IND	-	-	21,795	-	-	-
Steinway Tunnel-IRT	-	-	18,672	-	-	-
Queens Midtown Tunnel-IRT	4,195	-	-	471	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	28,093
	-	-	-	-	-	-
SECTOR TOTAL	8,069	-	67,342	2,399	403	28,093
NEW JERSEY SECTOR						
Lincoln Tunnel	4,994	-	-	31,372	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	21,845
Uptown PATH Tunnel	-	-	11,907	-	-	-
Holland Tunnel	2,202	-	-	1,250	-	-
Downtown PATH Tunnel	-	-	15,307	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	7,196	-	27,214	32,622	-	21,845
	-	-	-	-	-	-
TOTAL, ALL SECTORS	52,939	72,276	226,603	41,679	2,991	78,440

TABLE 15 A (Continued)
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2018
EVENING PEAK HOUR (5-6 PM)

	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
LOCATION / TRAVEL MODE	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	4,793
York Avenue	-	-	-	134	1,269
First Avenue	-	-	388	1,378	3,483
Second Avenue	-	-	5	6,682	6,682
Third Avenue	-	-	149	733	2,672
Lexington Avenue- IRT	-	-	8	34,069	34,069
Park Ave	-	-	79	28,387	30,085
Madison Avenue	-	-	137	2,242	3,837
Fifth Avenue	-	-	4	4	4
Sixth Avenue	-	-	235	235	235
Seventh Avenue	-	-	7	7	7
Broadway	-	-	12	29,075	29,899
Eighth Avenue	-	-	244	22,215	23,473
Columbus Avenue	-	-	16	16	16
Amsterdam Avenue	-	-	122	256	2,092
West End Avenue	-	-	44	158	1,459
West Side Highway	-	-	22	216	3,114
Hudson River Greenway	-	-	503	503	503
Ed Koch Queensboro Bridge Ramp	-	-	-	-	1,983
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	1,975	126,310	149,675
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	17,513	17,513
Williamsburg Bridge-BMT	-	-	385	10,683	14,614
Rutgers Tunnel-IND	-	-	-	7,735	7,735
Manhattan Bridge-BMT	-	-	409	34,394	37,754
Brooklyn Bridge	-	-	190	190	3,997
Cranberry Tunnel-IND	-	-	-	17,207	17,207
Clark Tunnel-IRT	-	-	-	10,662	10,662
Montague Tunnel-BMT	-	-	-	5,329	5,329
Joralemon Tunnel-IRT	-	-	-	10,187	10,187
Hugh L. Carey Tunnel	-	-	-	4,820	8,031
All Ferry Points	280	-	-	280	280
SECTOR TOTAL	280	-	984	119,000	133,309
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	13,116	13,116
Sixtieth St. Tunnel-BMT/IND	-	-	-	13,759	13,759
Ed Koch Queensboro Bridge-Tramway	-	420	309	3,060	6,934
Fifty-third St. Tunnel-IND	-	-	-	21,795	21,795
Steinway Tunnel-IRT	-	-	-	18,672	18,672
Queens Midtown Tunnel-IRT	-	-	-	471	4,666
Amtrak/LIRR Tunnels	-	-	-	28,093	28,093
All Ferry Points	612	-	-	612	612
SECTOR TOTAL	612	420	309	99,578	107,647
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	31,372	36,366
Amtrak/N.J. Transit Tunnels	-	-	-	21,845	21,845
Uptown PATH Tunnel	-	-	-	11,907	11,907
Holland Tunnel	-	-	-	1,250	3,452
Downtown PATH Tunnel	-	-	-	15,307	15,307
All Ferry Points	3,902	-	-	3,902	3,902
SECTOR TOTAL	3,902	-	-	85,583	92,779
STATEN ISLAND FERRY, BICYCLE	6,178	-	38	6,216	6,216
TOTAL, ALL SECTORS	10,972	420	3,306	436,687	489,626

TABLE 15 B
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2018
EVENING PEAK PERIOD (4-7 PM)

	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN RAIL
LOCATION / TRAVEL MODE	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	14,520	-	-	-	-	-
York Avenue	3,401	-	-	-	313	-
First Avenue	6,162	-	-	1,849	484	-
Second Avenue	-	-	20,626	-	-	-
Third Avenue	5,658	-	-	69	1,366	-
Lexington Avenue- IRT	-	58,846	30,499	-	-	-
Park Ave	5,103	-	-	-	-	61,779
Madison Avenue	4,903	-	-	2,654	2,239	-
Fifth Avenue	-	-	-	-	-	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	2,523	47,121	29,655	62	794	-
Eighth Avenue	3,693	41,517	18,360	-	169	-
Columbus Avenue	-	-	-	-	-	-
Amsterdam Avenue	5,690	-	-	-	409	-
West End Avenue	3,659	-	-	-	294	-
West Side Highway	9,124	-	-	-	-	433
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	6,199	-	-	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	70,635	147,484	99,140	4,634	6,068	62,212
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	48,617	-	-	-
Williamsburg Bridge-BMT	11,650	-	25,784	-	21	-
Rutgers Tunnel-IND	-	-	22,800	-	-	-
Manhattan Bridge-BMT	9,973	39,655	42,395	-	-	-
Brooklyn Bridge	11,497	-	-	-	-	-
Cranberry Tunnel-IND	-	-	46,183	-	-	-
Clark Tunnel-IRT	-	-	25,568	-	-	-
Montague Tunnel-BMT	-	-	13,631	-	-	-
Joralemon Tunnel-IRT	-	-	29,158	-	-	-
Hugh L. Carey Tunnel	9,603	-	-	11,337	-	-
	-	-	-	-	-	-
SECTOR TOTAL	42,723	39,655	254,136	11,337	21	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	32,077	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	41,978	-	-	-
Ed Koch Queensboro Bridge-Tramway	12,011	-	-	4,351	1,095	-
Fifty-third St. Tunnel-IND	-	-	56,152	-	-	-
Steinway Tunnel-IRT	-	-	48,500	-	-	-
Queens Midtown Tunnel-IRT	12,062	-	-	1,072	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	63,256
	-	-	-	-	-	-
SECTOR TOTAL	24,073	-	178,707	5,423	1,095	63,256
NEW JERSEY SECTOR						
Lincoln Tunnel	15,153	-	-	79,248	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	49,953
Uptown PATH Tunnel	-	-	28,125	-	-	-
Holland Tunnel	7,033	-	-	3,251	-	-
Downtown PATH Tunnel	-	-	34,819	-	-	-
All Ferry Points	-	-	-	-	-	-
SECTOR TOTAL	22,186	-	62,944	82,499	-	49,953
	-	-	-	-	-	-
TOTAL, ALL SECTORS	159,617	187,139	594,927	103,893	7,184	175,421

TABLE 15 B (Continued)
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2018
EVENING PEAK PERIOD (4-7 PM)

	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
LOCATION / TRAVEL MODE	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	14,520
York Avenue	-	-	-	313	3,714
First Avenue	-	-	1,048	3,381	9,543
Second Avenue	-	-	14	20,640	20,640
Third Avenue	-	-	435	1,870	7,528
Lexington Avenue- IRT	-	-	19	89,364	89,364
Park Ave	-	-	220	61,999	67,102
Madison Avenue	-	-	424	5,317	10,220
Fifth Avenue	-	-	9	9	9
Sixth Avenue	-	-	726	726	726
Seventh Avenue	-	-	17	17	17
Broadway	-	-	48	77,680	80,203
Eighth Avenue	-	-	749	60,795	64,488
Columbus Avenue	-	-	59	59	59
Amsterdam Avenue	-	-	402	811	6,501
West End Avenue	-	-	129	423	4,082
West Side Highway	-	-	66	499	9,623
Hudson River Greenway	-	-	1,458	1,458	1,458
Ed Koch Queensboro Bridge Ramp	-	-	-	-	6,199
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	5,823	325,361	395,996
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	48,617	48,617
Williamsburg Bridge-BMT	-	-	1,177	26,982	38,632
Rutgers Tunnel-IND	-	-	-	22,800	22,800
Manhattan Bridge-BMT	-	-	1,223	83,273	93,246
Brooklyn Bridge	-	-	538	538	12,035
Cranberry Tunnel-IND	-	-	-	46,183	46,183
Clark Tunnel-IRT	-	-	-	25,568	25,568
Montague Tunnel-BMT	-	-	-	13,631	13,631
Joralemon Tunnel-IRT	-	-	-	29,158	29,158
Hugh L. Carey Tunnel	-	-	-	11,337	20,940
All Ferry Points	666	-	-	666	666
SECTOR TOTAL	666	-	2,938	308,753	351,476
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	32,077	32,077
Sixtieth St. Tunnel-BMT/IND	-	-	-	41,978	41,978
Ed Koch Queensboro Bridge-Tramway	-	1,215	879	7,540	19,551
Fifty-third St. Tunnel-IND	-	-	-	56,152	56,152
Steinway Tunnel-IRT	-	-	-	48,500	48,500
Queens Midtown Tunnel-IRT	-	-	-	1,072	13,134
Amtrak/LIRR Tunnels	-	-	-	63,256	63,256
All Ferry Points	1,610	-	-	1,610	1,610
SECTOR TOTAL	1,610	1,215	879	252,185	276,258
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	79,248	94,401
Amtrak/N.J. Transit Tunnels	-	-	-	49,953	49,953
Uptown PATH Tunnel	-	-	-	28,125	28,125
Holland Tunnel	-	-	-	3,251	10,284
Downtown PATH Tunnel	-	-	-	34,819	34,819
All Ferry Points	9,686	-	-	9,686	9,686
SECTOR TOTAL	9,686	-	-	205,082	227,268
STATEN ISLAND FERRY, BICYCLE	16,123	-	124	16,247	16,247
TOTAL, ALL SECTORS	28,085	1,215	9,764	1,107,628	1,267,245

TABLE 15 C
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2018
24 HOUR

	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN RAIL
LOCATION / TRAVEL MODE	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	93,032	-	-	-	-	-
York Avenue	20,495	-	-	-	1,021	-
First Avenue	37,663	-	-	6,395	2,032	-
Second Avenue	-	-	72,983	-	-	-
Third Avenue	35,418	-	-	190	4,711	-
Lexington Avenue- IRT	-	162,962	120,133	-	-	-
Park Ave	25,557	-	-	-	-	111,874
Madison Avenue	29,009	-	-	4,665	5,811	-
Fifth Avenue	-	-	-	-	-	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	13,366	133,713	123,407	160	2,336	-
Eighth Avenue	22,324	135,180	56,179	-	493	-
Columbus Avenue	-	-	-	-	-	-
Amsterdam Avenue	28,496	-	-	-	1,323	-
West End Avenue	15,622	-	-	-	882	-
West Side Highway	56,384	-	-	-	-	2,034
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	41,299	-	-	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	418,665	431,855	372,702	11,410	18,609	113,908
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	127,605	-	-	-
Williamsburg Bridge-BMT	72,840	-	71,580	-	131	-
Rutgers Tunnel-IND	-	-	71,915	-	-	-
Manhattan Bridge-BMT	53,287	100,014	118,958	-	-	-
Brooklyn Bridge	77,700	-	-	-	-	-
Cranberry Tunnel-IND	-	-	129,298	-	-	-
Clark Tunnel-IRT	-	-	60,269	-	-	-
Montague Tunnel-BMT	-	-	32,390	-	-	-
Joralemon Tunnel-IRT	-	-	78,224	-	-	-
Hugh L. Carey Tunnel	34,672	-	-	17,677	-	-
	-	-	-	-	-	-
SECTOR TOTAL	238,499	100,014	690,239	17,677	131	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	79,447	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	116,423	-	-	-
Ed Koch Queensboro Bridge-Tramway	81,608	-	-	5,957	2,794	-
Fifty-third St. Tunnel-IND	-	-	156,079	-	-	-
Steinway Tunnel-IRT	-	-	117,766	-	-	-
Queens Midtown Tunnel-IRT	58,540	-	-	1,298	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	120,882
	-	-	-	-	-	-
SECTOR TOTAL	140,148	-	469,715	7,255	2,794	120,882
NEW JERSEY SECTOR						
Lincoln Tunnel	72,599	-	-	197,608	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	95,668
Uptown PATH Tunnel	-	-	64,419	-	-	-
Holland Tunnel	51,528	-	-	9,879	-	-
Downtown PATH Tunnel	-	-	68,216	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	124,127	-	132,635	207,487	-	95,668
	-	-	-	-	-	-
TOTAL, ALL SECTORS	921,439	531,869	1,665,291	243,829	21,534	330,458

TABLE 15 C (Continued)
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2018
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	-	-	-	-	93,032
York Avenue	-	-	-	1,021	21,516
First Avenue	-	-	3,823	12,250	49,913
Second Avenue	-	-	42	73,025	73,025
Third Avenue	-	-	2,281	7,182	42,600
Lexington Avenue- IRT	-	-	55	283,150	283,150
Park Ave	-	-	930	112,804	138,361
Madison Avenue	-	-	1,757	12,233	41,242
Fifth Avenue	-	-	58	58	58
Sixth Avenue	-	-	2,798	2,798	2,798
Seventh Avenue	-	-	37	37	37
Broadway	-	-	141	259,757	273,123
Eighth Avenue	-	-	3,654	195,506	217,830
Columbus Avenue	-	-	327	327	327
Amsterdam Avenue	-	-	1,473	2,796	31,292
West End Avenue	-	-	477	1,359	16,981
West Side Highway	-	-	237	2,271	58,655
Hudson River Greenway	-	-	4,620	4,620	4,620
Ed Koch Queensboro Bridge Ramp	-	-	-	-	41,299
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	22,710	971,194	1,389,859
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	127,605	127,605
Williamsburg Bridge-BMT	-	-	3,354	75,065	147,905
Rutgers Tunnel-IND	-	-	-	71,915	71,915
Manhattan Bridge-BMT	-	-	3,083	222,055	275,342
Brooklyn Bridge	-	-	1,434	1,434	79,134
Cranberry Tunnel-IND	-	-	-	129,298	129,298
Clark Tunnel-IRT	-	-	-	60,269	60,269
Montague Tunnel-BMT	-	-	-	32,390	32,390
Joralemon Tunnel-IRT	-	-	-	78,224	78,224
Hugh L. Carey Tunnel	-	-	-	17,677	52,349
All Ferry Points	1,427	-	-	1,427	1,427
SECTOR TOTAL	1,427	-	7,871	817,359	1,055,858
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	79,447	79,447
Sixtieth St. Tunnel-BMT/IND	-	-	-	116,423	116,423
Ed Koch Queensboro Bridge-Tramway	-	3,798	2,615	15,164	96,772
Fifty-third St. Tunnel-IND	-	-	-	156,079	156,079
Steinway Tunnel-IRT	-	-	-	117,766	117,766
Queens Midtown Tunnel-IRT	-	-	-	1,298	59,838
Amtrak/LIRR Tunnels	-	-	-	120,882	120,882
All Ferry Points	3,215	-	-	3,215	3,215
SECTOR TOTAL	3,215	3,798	2,615	610,274	750,422
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	197,608	270,207
Amtrak/N.J. Transit Tunnels	-	-	-	95,668	95,668
Uptown PATH Tunnel	-	-	-	64,419	64,419
Holland Tunnel	-	-	-	9,879	61,407
Downtown PATH Tunnel	-	-	-	68,216	68,216
All Ferry Points	16,464	-	-	16,464	16,464
SECTOR TOTAL	16,464	-	-	452,254	576,381
STATEN ISLAND FERRY, BICYCLE	41,881	-	330	42,211	42,211
TOTAL, ALL SECTORS	62,987	3,798	33,526	2,893,292	3,814,731

TABLE 16
WHERE AND WHEN MOTOR VEHICLES ENTERED THE HUB ON A FALL BUSINESS DAY IN 2018

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	4,441	13,278	79,841	-	-	-	4,441	13,278	79,841
YORK AVENUE	459	1,370	12,219	8	23	107	467	1,393	12,326
SECOND AVENUE	1,605	4,765	37,797	26	66	285	1,631	4,831	38,082
ED KOCH QUEENSBORO BRIDGE RAMP	-	-	-	-	-	-	-	-	-
LEXINGTON AVENUE	1,006	3,092	22,338	23	66	345	1,029	3,158	22,683
PARK AVENUE	1,319	3,641	19,166	-	-	-	1,319	3,641	19,166
FIFTH AVENUE	885	2,588	16,458	70	208	707	955	2,796	17,165
CENTRAL PARK DRIVE AND 7TH AVENUE *	-	-	-	-	-	-	-	-	-
BROADWAY	970	2,622	14,494	31	82	458	1,001	2,704	14,952
COLUMBUS AVENUE	1,217	3,408	22,687	5	16	87	1,222	3,424	22,774
WEST END AVENUE	632	1,782	12,014	6	16	76	638	1,798	12,090
WEST SIDE HIGHWAY	4,415	13,211	63,645	-	-	-	4,415	13,211	63,645
SECTOR TOTAL	16,949	49,757	300,659	169	477	2,065	17,118	50,234	302,724
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	2,237	6,980	48,669	2	5	27	2,239	6,985	48,696
MANHATTAN BRIDGE	2,558	7,703	39,914	-	-	-	2,558	7,703	39,914
BROOKLYN BRIDGE	3,570	10,589	63,725	-	-	-	3,570	10,589	63,725
HUGH L. CAREY TUNNEL	2,957	8,311	29,473	140	351	647	3,097	8,662	30,120
SECTOR TOTAL	11,322	33,583	181,781	142	356	674	11,464	33,939	182,455
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	3,498	10,427	47,560	106	275	412	3,604	10,702	47,972
ED KOCH QUEENSBORO BRIDGE	3,906	12,154	79,356	14	44	240	3,920	12,198	79,596
SECTOR TOTAL	7,404	22,581	126,916	120	319	652	7,524	22,900	127,568
NEW JERSEY SECTOR									
HOLLAND TUNNEL	2,711	7,936	42,538	63	155	593	2,774	8,091	43,131
LINCOLN TUNNEL	3,129	9,068	46,826	954	2,370	7,275	4,083	11,438	54,101
SECTOR TOTAL	5,840	17,004	89,364	1,017	2,525	7,868	6,857	19,529	97,232
TOTAL, ALL SECTORS	41,515	122,925	698,720	1,448	3,677	11,259	42,963	126,602	709,979

- 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.
- Buses crossing NJ Sector were counted at the toll facilities which include all the buses.
- 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 2018

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	3,684	11,366	75,688	-	-	-	3,684	11,366	75,688
YORK AVENUE	758	2,288	14,053	8	21	110	766	2,309	14,163
FIRST AVENUE	1,612	4,794	30,370	18	49	286	1,630	4,843	30,656
ED KOCH QUEENSBORO BRIDGE RAMP	1,603	4,898	34,248	-	-	-	1,603	4,898	34,248
THIRD AVENUE	1,169	3,496	24,027	26	71	334	1,195	3,567	24,361
PARK AVENUE	1,059	3,234	16,776	-	-	-	1,059	3,234	16,776
MADISON AVENUE	979	3,005	19,884	85	205	660	1,064	3,210	20,544
CENTRAL PARK DRIVE FROM 6TH AVENUE *	-	-	-	-	-	-	-	-	-
CENTRAL PARK WEST	683	1,968	12,625	9	26	133	692	1,994	12,758
BROADWAY	648	1,943	10,132	22	64	299	670	2,007	10,431
AMSTERDAM AVENUE	1,280	3,962	21,518	5	16	80	1,285	3,978	21,598
WEST END AVENUE	903	2,516	10,874	6	18	81	909	2,534	10,955
WEST SIDE HIGHWAY	2,452	7,730	48,435	-	-	-	2,452	7,730	48,435
SECTOR TOTAL	16,830	51,200	318,630	179	470	1,983	17,009	51,670	320,613
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	2,985	8,932	56,053	1	4	25	2,986	8,936	56,078
MANHATTAN BRIDGE	2,306	6,700	35,948	-	-	-	2,306	6,700	35,948
BROOKLYN BRIDGE	2,801	8,483	56,010	-	-	-	2,801	8,483	56,010
HUGH L. CAREY TUNNEL	2,728	8,233	29,728	139	361	672	2,867	8,594	30,400
SECTOR TOTAL	10,820	32,348	177,739	140	365	697	10,960	32,713	178,436
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	2,708	7,683	37,770	16	38	57	2,724	7,721	37,827
ED KOCH QUEENSBORO BRIDGE **	3,223	10,104	65,426	92	237	552	3,315	10,341	65,978
SECTOR TOTAL	5,931	17,787	103,196	108	275	609	6,039	18,062	103,805
NEW JERSEY SECTOR									
HOLLAND TUNNEL	1,860	5,898	43,603	35	95	420	1,895	5,993	44,023
LINCOLN TUNNEL	3,702	11,136	51,361	739	1,899	7,056	4,441	13,035	58,417
SECTOR TOTAL	5,562	17,034	94,964	774	1,994	7,476	6,336	19,028	102,440
TOTAL, ALL SECTORS	39,143	118,369	694,529	1,201	3,104	10,765	40,344	121,473	705,294

* 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.

- 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.
- Buses crossing NJ Sector were counted at the toll facilities which include all the buses.
- 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 2018

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	120	295	1,403	-	-	-	120	295	1,403
SECOND AVENUE	155	434	2,128	680	1,709	5,251	835	2,143	7,379
LEXINGTON AVENUE	389	1,602	4,588	108	345	712	497	1,947	5,300
FIFTH AVENUE	974	2,186	5,603	479	1,924	4,850	1,453	4,110	10,453
BROADWAY	323	805	2,865	41	130	331	364	935	3,196
COLUMBUS AVENUE	116	284	1,171	-	-	-	116	284	1,171
WEST END AVENUE	161	318	1,008	-	-	-	161	318	1,008
SECTOR TOTAL	2,238	5,924	18,766	1,308	4,108	11,144	3,546	10,032	29,910
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	10	25	206	-	-	-	10	25	206
MANHATTAN BRIDGE	-	-	-	-	-	-	-	-	-
HUGH L. CAREY TUNNEL	-	-	-	5,042	12,355	20,587	5,042	12,355	20,587
SECTOR TOTAL	10	25	206	5,042	12,355	20,587	5,052	12,380	20,793
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	-	-	-	2,621	7,176	9,498	2,621	7,176	9,498
ED KOCH QUEENSBORO BRIDGE	199	629	2,049	-	-	-	199	629	2,049
SECTOR TOTAL	199	629	2,049	2,621	7,176	9,498	2,820	7,805	11,547
NEW JERSEY SECTOR									
HOLLAND TUNNEL	-	-	-	2,299	5,572	15,702	2,299	5,572	15,702
LINCOLN TUNNEL	-	-	-	37,184	89,556	201,783	37,184	89,556	201,783
SECTOR TOTAL	-	-	-	39,483	95,128	217,485	39,483	95,128	217,485
TOTAL, ALL SECTORS	2,447	6,578	21,021	48,454	118,767	258,714	50,901	125,345	279,735

TABLE 19
WHERE AND WHEN BUS PASSENGERS LEFT THE HUB
ON A FALL BUSINESS DAY IN 2018

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	134	313	1,021	-	-	-	134	313	1,021
FIRST AVENUE	232	484	2,032	758	1,849	6,395	990	2,333	8,427
THIRD AVENUE	561	1,366	4,711	23	69	190	584	1,435	4,901
MADISON AVENUE	1,068	2,239	5,811	1,037	2,654	4,665	2,105	4,893	10,476
CENTRAL PARK WEST	62	169	493	-	-	-	62	169	493
BROADWAY	277	794	2,336	20	62	160	297	856	2,496
AMSTERDAM AVENUE	134	409	1,323	-	-	-	134	409	1,323
WEST END AVENUE	114	294	882	-	-	-	114	294	882
SECTOR TOTAL	2,582	6,068	18,609	1,838	4,634	11,410	4,420	10,702	30,019
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	6	21	131	-	-	-	6	21	131
MANHATTAN BRIDGE	-	-	-	-	-	-	-	-	-
HUGH L. CAREY TUNNEL	-	-	-	4,820	11,337	17,677	4,820	11,337	17,677
SECTOR TOTAL	6	21	131	4,820	11,337	17,677	4,826	11,358	17,808
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	-	-	-	471	1,072	1,298	471	1,072	1,298
ED KOCH QUEENSBORO BRIDGE	403	1,095	2,794	1,928	4,351	5,957	2,331	5,446	8,751
SECTOR TOTAL	403	1,095	2,794	2,399	5,423	7,255	2,802	6,518	10,049
NEW JERSEY SECTOR									
HOLLAND TUNNEL	-	-	-	1,250	3,251	9,879	1,250	3,251	9,879
LINCOLN TUNNEL	-	-	-	31,372	79,248	197,608	31,372	79,248	197,608
SECTOR TOTAL	-	-	-	32,622	82,499	207,487	32,622	82,499	207,487
TOTAL, ALL SECTORS	2,991	7,184	21,534	41,679	103,893	243,829	44,670	111,077	265,363

TABLE 20
LEVEL OF COMFORT ⁽¹⁾ AND FREQUENCY OF SERVICE ⁽²⁾
FOR PUBLIC TRANSPORTATION VEHICLES ENTERING THE HUB ON A FALL BUSINESS DAY IN 2017 AND 2018
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. (2)		PASSENGERS		PER RAILCAR, BUS		PER PSGR (1) (SQ. FT.)		MINUTES (2)	
	2017	2018	2017	2018	2017 (2)	2018 (2)	2017	2018	2017	2018	2017	2018	2017	2018
60TH STREET SECTOR														
SECOND AVE LOCAL (3)	9	9	90	90	39,600	39,600	12,771	12,988	142	144	3	3	7	7
LEXINGTON AVE EXPRESS	22	19	220	190	96,800	83,600	19,403	23,774	88	125	5	4	3	3
LEXINGTON AVE LOCAL	20	18	200	180	88,000	79,200	15,519	13,375	78	74	6	6	3	3
EIGHTH AVE EXPRESS	18	19	144	152	108,000	114,000	24,258	23,952	168	158	4	5	3	3
EIGHTH AVE LOCAL	13	13	104	104	70,408	70,408	12,026	9,798	116	94	6	7	5	5
BROADWAY/7TH AVE EXPRESS	21	18	210	180	92,400	79,200	25,771	14,801	123	82	4	5	3	3
BROADWAY/7TH AVE LOCAL	15	18	150	180	66,000	79,200	10,269	19,980	68	111	6	4	4	3
MTA/AMTRAK TUN.	53	53	420	416	252,840	250,432	35,960	35,862	86	86	7	7	1	1
BUSES	-	-	167	169	54,340	54,940	3,574	3,546	21	21	15	15	-	-
SECTOR AVERAGE	171	167	1,705	1,661	868,388	850,580	159,551	158,076	99	100	5	5	4	4
BROOKLYN SECTOR														
14TH ST. TUNNEL	19	19	152	152	91,504	91,504	26,796	23,678	176	156	3	4	3	3
WILLIAMSBURG BRIDGE	17	21	136	168	81,872	101,136	11,887	15,326	87	91	7	7	4	3
RUTGERS ST. TUNNEL	12	10	120	100	85,560	71,300	8,682	10,531	72	105	10	7	5	6
MANHATTAN BRIDGE	38	35	342	316	228,114	210,772	45,495	45,001	133	142	5	5	2	2
CRANBERRY ST. TUNNEL	24	23	192	184	133,248	127,696	25,093	24,887	131	135	5	5	3	3
CLARK ST. TUNNEL	18	17	180	170	79,200	74,800	14,856	15,098	83	89	5	5	3	4
MONTAGUE ST. TUNNEL	10	8	80	64	48,160	38,528	6,258	5,358	78	84	8	7	6	8
JORALEMON ST. TUNNEL	21	19	210	190	92,400	83,600	16,507	14,179	79	75	6	6	3	3
BUSES	-	-	145	142	46,860	45,920	4,948	5,052	34	36	9	9	-	-
SECTOR AVERAGE	159	152	1,557	1,486	886,918	845,256	160,522	159,110	97	101	6	5	3	4
QUEENS SECTOR														
60TH STREET TUNNEL	22	22	204	200	122,808	120,400	25,377	26,396	124	132	5	5	3	3
53RD STREET TUNNEL	22	24	200	222	120,400	133,644	28,362	27,340	142	123	4	5	3	3
STEINWAY TUNNEL	25	17	275	187	121,000	82,280	22,260	17,976	81	96	5	5	2	4
63RD STREET TUNNEL	13	14	130	140	92,690	99,820	14,008	18,057	108	129	7	6	5	4
LIRR/AMTRAK TUNNELS	37	37	390	389	234,780	234,178	33,682	33,600	86	86	7	7	2	2
BUSES	-	-	126	120	42,540	40,500	3,341	2,820	27	24	13	14	-	-
SECTOR AVERAGE	119	114	1,325	1,258	734,218	710,822	127,030	126,189	95	98	6	6	3	3
NEW JERSEY SECTOR														
PATH DOWNTOWN TUNNEL	25	25	200	190	73,600	69,920	17,766	18,953	89	100	4	4	2	2
PATH UPTOWN TUNNEL	24	24	168	168	61,824	61,824	17,605	17,246	105	103	4	4	3	3
N.J. TRANSIT/AMTRAK TUNNEL	26	23	237	213	142,674	128,226	26,614	25,971	112	122	5	5	2	3
BUSES	-	-	945	1,017	302,400	325,440	36,649	39,483	39	39	8	8	-	-
SECTOR AVERAGE	75	72	1,550	1,588	580,498	585,410	98,634	101,653	86	91	6	6	2	3
STATEN ISLAND FERRY	4	4	4	4	80,000	80,000	6,252	6,331	1,563	1,583	13	13	15	15
ROOSEVELT ISLAND TRAMWAY	8	8	8	8	2,075	2,075	334	511	42	64	6	4	8	8
TOTAL/AVERAGE, ALL SECTORS	536	517	6,149	6,005	3,152,097	3,074,143	552,323	551,870	90	92	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 2016, 2017, AND 2018

HOURS	2016			2017			2018		
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
12:00am	30,749	72,305	103,054	30,856	67,290	98,146	26,952	66,162	93,114
1:00am	17,708	37,623	55,331	17,985	35,843	53,828	15,615	32,220	47,835
2:00am	13,148	21,194	34,342	13,116	19,638	32,754	11,779	18,230	30,009
3:00am	14,022	15,479	29,501	14,476	16,046	30,522	13,107	14,659	27,766
4:00am	26,875	19,071	45,946	29,232	19,608	48,840	27,041	18,639	45,680
5:00am	91,393	36,256	127,649	95,898	39,275	135,173	98,582	37,879	136,461
6:00am	228,607	87,025	315,632	238,194	93,234	331,428	235,509	93,653	329,162
7:00am	427,554	150,047	577,601	427,687	152,499	580,186	421,534	150,535	572,069
8:00am	625,878	167,914	793,792	615,885	165,197	781,082	614,967	163,663	778,630
9:00am	394,607	133,461	528,068	390,382	133,922	524,304	384,350	132,374	516,724
10:00am	214,598	108,179	322,777	206,613	109,059	315,672	211,956	103,475	315,431
11:00am	163,848	110,105	273,953	162,336	110,189	272,525	165,915	107,369	273,284
12:00pm	152,567	122,050	274,617	150,362	123,237	273,599	147,481	118,249	265,730
1:00pm	149,024	139,381	288,405	145,658	138,223	283,881	145,125	135,758	280,883
2:00pm	159,739	170,897	330,636	155,918	172,819	328,737	155,971	171,981	327,952
3:00pm	181,065	235,825	416,890	178,300	244,100	422,400	176,896	235,072	411,968
4:00pm	194,341	305,299	499,640	195,760	332,589	528,349	194,471	322,598	517,069
5:00pm	211,096	485,067	696,163	206,042	491,133	697,175	209,068	489,626	698,694
6:00pm	174,106	463,324	637,430	173,726	452,792	626,518	175,339	455,021	630,360
7:00pm	130,324	308,251	438,575	124,909	301,206	426,115	124,663	299,789	424,452
8:00pm	100,861	230,703	331,564	101,410	222,353	323,763	94,135	219,469	313,604
9:00pm	81,315	182,216	263,531	85,890	190,997	276,887	79,569	180,141	259,710
10:00pm	69,831	143,600	213,431	71,954	147,765	219,719	65,081	144,866	209,947
11:00pm	56,742	120,133	176,875	53,019	108,611	161,630	46,862	103,303	150,165
TOTAL	3,909,998	3,865,405	7,775,403	3,885,608	3,887,625	7,773,233	3,841,968	3,814,731	7,656,699

TABLE 21B
CUMULATIVE NUMBER OF PERSONS ENTERING THE HUB,
AT PEAK ACCUMULATION 1990-2018

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

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 2016, 2017, AND 2018

HOURS	2016			2017			2018		
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
12:00am	9,745	42,519	52,264	10,064	39,667	49,731	7,614	37,824	45,438
1:00am	4,419	19,000	23,419	4,858	18,396	23,254	3,709	14,808	18,517
2:00am	3,591	8,648	12,239	3,336	7,528	10,864	2,884	6,392	9,276
3:00am	4,380	5,008	9,388	4,691	5,659	10,350	3,660	4,455	8,115
4:00am	11,919	5,825	17,744	14,008	5,512	19,520	11,452	5,031	16,483
5:00am	59,014	14,579	73,593	61,385	15,113	76,498	64,294	15,264	79,558
6:00am	180,683	53,829	234,512	187,129	57,153	244,282	185,876	57,913	243,789
7:00am	372,829	109,289	482,118	372,899	110,806	483,705	367,805	108,143	475,948
8:00am	567,307	126,976	694,283	559,225	124,639	683,864	559,095	122,143	681,238
9:00am	339,815	94,997	434,812	336,245	95,545	431,790	331,913	92,915	424,828
10:00am	166,259	68,907	235,166	159,605	68,013	227,618	163,806	62,750	226,556
11:00am	119,077	69,851	188,928	118,511	67,229	185,740	122,114	65,877	187,991
12:00pm	108,765	79,776	188,541	108,041	78,005	186,046	104,719	74,729	179,448
1:00pm	105,663	94,782	200,445	103,588	90,428	194,016	102,658	89,469	192,127
2:00pm	115,222	121,858	237,080	112,806	120,353	233,159	111,975	121,330	233,305
3:00pm	135,988	182,792	318,780	134,591	187,770	322,361	132,968	181,842	314,810
4:00pm	147,875	248,604	396,479	151,155	274,154	425,309	149,255	266,776	416,031
5:00pm	163,934	427,572	591,506	159,851	431,779	591,630	163,084	433,419	596,503
6:00pm	126,713	404,326	531,039	127,699	392,731	520,430	128,415	397,793	526,208
7:00pm	83,696	250,598	334,294	80,896	243,321	324,217	79,893	243,449	323,342
8:00pm	57,440	177,055	234,495	59,733	169,683	229,416	52,708	166,756	219,464
9:00pm	40,490	131,000	171,490	46,305	140,842	187,147	39,298	130,275	169,573
10:00pm	31,603	94,881	126,484	32,923	98,689	131,612	26,355	97,452	123,807
11:00pm	24,344	77,583	101,927	20,875	68,186	89,061	15,100	63,291	78,391
TOTAL	2,980,771	2,910,255	5,891,026	2,970,419	2,911,201	5,881,620	2,930,650	2,860,096	5,790,746

TABLE 22B
CUMULATIVE NUMBER OF PASSENGERS ENTERING AND LEAVING THE HUB
BY PUBLIC TRANSPORTATION, AT PEAK ACCUMULATION, 1990-2018

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

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 2016, 2017, AND 2018

HOURS	2016			2017			2018		
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
12:00am	16,265	22,254	38,519	16,302	20,648	36,950	15,185	21,215	36,400
1:00am	10,286	13,939	24,225	10,297	13,065	23,362	9,385	13,077	22,462
2:00am	7,439	9,427	16,866	7,693	9,118	16,811	7,035	8,951	15,986
3:00am	7,540	7,908	15,448	7,714	7,882	15,596	7,511	7,757	15,268
4:00am	11,794	10,092	21,886	12,022	10,754	22,776	12,427	10,353	22,780
5:00am	25,499	16,560	42,059	27,244	18,456	45,700	28,175	17,185	45,360
6:00am	38,778	25,008	63,786	41,677	27,211	68,888	40,826	26,933	67,759
7:00am	43,027	30,245	73,272	43,242	30,971	74,213	42,084	31,440	73,524
8:00am	43,451	30,030	73,481	41,810	29,755	71,565	41,515	30,458	71,973
9:00am	40,925	27,956	68,881	40,258	27,833	68,091	39,326	28,683	68,009
10:00am	36,902	28,901	65,803	35,748	30,123	65,871	36,577	29,809	66,386
11:00am	34,071	29,703	63,774	33,446	31,623	65,069	33,261	30,326	63,587
12:00pm	32,747	30,785	63,532	31,589	32,863	64,452	31,976	31,622	63,598
1:00pm	32,536	33,023	65,559	31,549	35,313	66,862	32,036	34,207	66,243
2:00pm	33,602	35,931	69,533	32,335	38,313	70,648	33,251	37,033	70,284
3:00pm	34,638	39,291	73,929	33,412	41,771	75,183	33,492	39,362	72,854
4:00pm	35,227	40,867	76,094	33,534	42,171	75,705	34,060	40,159	74,219
5:00pm	35,057	40,196	75,253	33,961	41,358	75,319	34,112	39,143	73,255
6:00pm	35,474	40,221	75,695	34,260	40,899	75,159	35,461	39,067	74,528
7:00pm	35,092	40,155	75,247	33,056	40,409	73,465	34,141	39,193	73,334
8:00pm	32,852	38,717	71,569	31,616	37,974	69,590	31,452	37,977	69,429
9:00pm	31,262	37,223	68,485	30,354	36,691	67,045	30,862	36,303	67,165
10:00pm	29,484	35,857	65,341	30,140	36,108	66,248	29,932	34,794	64,726
11:00pm	24,952	31,398	56,350	24,830	29,879	54,709	24,638	29,482	54,120
TOTAL	708,900	695,687	1,404,587	698,089	711,188	1,409,277	698,720	694,529	1,393,249

TABLE 23B
CUMULATIVE NUMBER OF MOTOR VEHICLES ENTERING AND LEAVING THE HUB
AT PEAK ACCUMULATION, 1990-2018

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

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

TABLE 24
TOTAL PERSONS ENTERING THE HUB BY HOUR AND MODE IN 2018

HOURS	AUTO/TAXI VAN/TRUCK	SUBWAY	BUSES	SUBURBAN RAIL	FERRY	TRAMWAY	BICYCLE (1)	TOTAL
12:00am	19,287	5,963	659	844	138	10	51	26,952
1:00am	11,885	2,415	378	828	87	1	21	15,615
2:00am	8,873	2,035	357	383	109	0	22	11,779
3:00am	9,428	2,867	574	109	110	0	19	13,107
4:00am	15,511	8,603	1,854	600	395	0	78	27,041
5:00am	34,099	44,341	12,476	5,916	1,552	9	189	98,582
6:00am	48,692	124,424	30,740	25,456	5,181	75	941	235,509
7:00am	51,595	247,572	47,802	61,417	10,752	262	2,134	421,534
8:00am	52,216	398,694	50,901	95,433	13,556	511	3,656	614,967
9:00am	49,583	256,149	26,642	42,977	5,830	315	2,854	384,350
10:00am	46,208	131,534	11,680	16,680	3,693	219	1,942	211,956
11:00am	42,041	100,136	8,499	10,465	2,809	205	1,760	165,915
12:00pm	40,971	84,598	7,972	8,788	3,185	176	1,791	147,481
1:00pm	40,794	84,770	6,676	8,084	2,921	207	1,673	145,125
2:00pm	42,324	94,597	8,424	6,263	2,489	202	1,672	155,971
3:00pm	42,190	111,519	10,446	7,221	3,562	220	1,738	176,896
4:00pm	43,433	124,020	13,852	8,570	2,578	235	1,783	194,471
5:00pm	43,719	138,896	10,821	10,124	2,945	298	2,265	209,068
6:00pm	44,567	106,089	9,351	10,635	2,119	221	2,357	175,339
7:00pm	42,731	64,317	7,482	6,932	979	183	2,039	124,663
8:00pm	39,757	43,830	4,553	3,469	771	85	1,670	94,135
9:00pm	38,999	31,834	3,376	3,345	707	36	1,272	79,569
10:00pm	37,885	20,597	2,603	2,598	524	33	841	65,081
11:00pm	31,190	11,912	1,617	1,312	234	25	572	46,862
TOTAL	877,978	2,241,712	279,735	338,449	67,226	3,528	33,340	3,841,968

(1) - Excludes SI Ferry bicyclists

TABLE 25
TOTAL PERSONS LEAVING THE HUB BY HOUR AND MODE IN 2018

HOURS	AUTO/TAXI VAN/TRUCK	SUBWAY	BUSES	SUBURBAN RAIL	FERRY	TRAMWAY	BICYCLE (1)	TOTAL
12:00am	28,134	31,313	2,743	2,924	813	31	204	66,162
1:00am	17,293	12,050	914	1,298	534	12	119	32,220
2:00am	11,778	5,772	294	50	276	0	60	18,230
3:00am	10,176	3,578	371	329	177	0	28	14,659
4:00am	13,580	3,992	611	225	203	0	28	18,639
5:00am	22,576	12,121	1,979	885	275	4	39	37,879
6:00am	35,183	47,440	6,489	3,148	810	26	557	93,653
7:00am	41,309	89,002	11,384	6,529	1,171	57	1,083	150,535
8:00am	40,230	101,648	12,454	6,375	1,597	69	1,290	163,663
9:00am	38,288	75,437	11,786	4,478	1,074	140	1,171	132,374
10:00am	39,529	50,496	6,496	3,982	1,621	155	1,196	103,475
11:00am	39,999	54,409	4,974	4,256	2,029	209	1,493	107,369
12:00pm	41,936	61,426	4,896	5,954	2,240	213	1,584	118,249
1:00pm	44,688	73,695	5,566	7,278	2,753	177	1,601	135,758
2:00pm	49,055	97,624	8,780	11,889	2,791	246	1,596	171,981
3:00pm	51,526	143,926	13,495	19,951	4,119	351	1,704	235,072
4:00pm	53,730	196,513	26,030	36,324	7,585	324	2,092	322,598
5:00pm	52,939	298,879	44,670	78,440	11,010	420	3,268	489,626
6:00pm	52,948	286,674	40,377	60,657	9,614	471	4,280	455,021
7:00pm	52,784	186,358	22,222	29,122	5,399	348	3,556	299,789
8:00pm	50,443	131,630	14,801	17,521	2,595	209	2,270	219,469
9:00pm	48,200	102,751	11,037	14,064	2,250	173	1,666	180,141
10:00pm	46,068	78,000	8,584	9,325	1,438	105	1,346	144,866
11:00pm	39,047	52,426	4,410	5,454	943	58	965	103,303
TOTAL	921,439	2,197,160	265,363	330,458	63,317	3,798	33,196	3,814,731

(1) - Excludes SI Ferry bicyclists

TABLE 26
TOTAL PERSONS ENTERING THE HUB BY HOUR AND SECTOR IN 2018

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR (1)	NEW JERSEY SECTOR	STATEN ISLAND SECTOR (FERRY)	ROOSEVELT ISLAND (TRAMWAY)	TOTAL
12:00am	12,475	6,880	4,497	2,952	138	10	26,952
1:00am	6,870	4,085	2,365	2,207	87	1	15,615
2:00am	4,817	3,294	1,815	1,744	109	0	11,779
3:00am	5,150	3,321	2,595	1,931	110	0	13,107
4:00am	9,583	6,774	6,059	4,230	395	0	27,041
5:00am	30,018	24,883	21,114	21,200	1,358	9	98,582
6:00am	67,796	60,748	56,345	47,173	3,372	75	235,509
7:00am	120,833	111,800	98,653	83,585	6,401	262	421,534
8:00am	182,087	174,384	136,555	115,099	6,331	511	614,967
9:00am	113,036	121,496	85,367	61,776	2,360	315	384,350
10:00am	72,219	62,141	46,306	28,751	2,320	219	211,956
11:00am	61,425	49,078	32,244	21,129	1,834	205	165,915
12:00pm	57,625	40,680	28,410	18,101	2,489	176	147,481
1:00pm	57,859	40,461	27,897	16,413	2,288	207	145,125
2:00pm	63,468	43,414	29,810	17,140	1,937	202	155,971
3:00pm	73,302	47,584	33,557	19,301	2,932	220	176,896
4:00pm	83,052	48,709	35,292	25,331	1,852	235	194,471
5:00pm	89,437	54,782	35,908	26,747	1,896	298	209,068
6:00pm	74,377	46,028	30,604	22,745	1,364	221	175,339
7:00pm	56,532	30,233	20,419	16,690	606	183	124,663
8:00pm	44,783	24,097	13,924	10,638	608	85	94,135
9:00pm	37,488	19,986	11,756	9,682	621	36	79,569
10:00pm	29,461	16,980	10,315	7,808	484	33	65,081
11:00pm	21,695	12,308	7,546	5,058	230	25	46,862
TOTAL	1,375,388	1,054,146	779,353	587,431	42,122	3,528	3,841,968

(1) - Excludes Roosevelt Island passengers.

TABLE 27
TOTAL PERSONS LEAVING THE HUB BY HOUR AND SECTOR IN 2018

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR (1)	NEW JERSEY SECTOR	STATEN ISLAND SECTOR (FERRY)	ROOSEVELT ISLAND (TRAMWAY)	TOTAL
12:00am	23,131	21,446	13,106	7,647	801	31	66,162
1:00am	11,771	9,413	6,790	3,700	534	12	32,220
2:00am	6,954	5,627	3,629	1,744	276	0	18,230
3:00am	5,859	3,922	2,893	1,808	177	0	14,659
4:00am	7,423	4,382	3,951	2,680	203	0	18,639
5:00am	16,095	8,964	7,239	5,302	275	4	37,879
6:00am	39,966	24,265	15,892	12,796	708	26	93,653
7:00am	71,609	34,656	21,979	21,410	824	57	150,535
8:00am	72,791	41,752	22,380	25,778	893	69	163,663
9:00am	59,543	33,478	17,833	20,706	674	140	132,374
10:00am	45,814	27,498	15,456	13,315	1,237	155	103,475
11:00am	48,908	28,092	16,442	12,050	1,668	209	107,369
12:00pm	50,061	31,307	21,068	13,736	1,864	213	118,249
1:00pm	56,911	36,236	24,534	15,715	2,185	177	135,758
2:00pm	66,890	47,179	34,166	21,326	2,174	246	171,981
3:00pm	88,375	63,895	49,885	29,647	2,919	351	235,072
4:00pm	106,007	87,551	71,828	51,874	5,014	324	322,598
5:00pm	149,675	133,309	107,227	92,779	6,216	420	489,626
6:00pm	140,314	130,616	95,988	82,615	5,017	471	455,021
7:00pm	94,786	90,984	64,114	46,498	3,059	348	299,789
8:00pm	72,905	64,770	46,458	33,399	1,728	209	219,469
9:00pm	62,786	53,567	34,615	27,292	1,708	173	180,141
10:00pm	52,090	42,842	27,987	20,633	1,209	105	144,866
11:00pm	39,195	30,107	21,164	11,931	848	58	103,303
TOTAL	1,389,859	1,055,858	746,624	576,381	42,211	3,798	3,814,731

(1) - Excludes Roosevelt Island passengers.

Appendix III

Hourly Detail Tables - 2018

SECTION A
BUS TRANSIT BY SECTOR
SUMMARY, 2018-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	19	60	1	5	2	4	51	590	73	659
1:00am	7	17	1	3	0	0	30	358	38	378
2:00am	8	29	1	9	0	0	19	319	28	357
3:00am	9	27	1	27	0	0	21	520	31	574
4:00am	16	123	7	208	3	29	44	1,494	70	1,854
5:00am	65	788	47	1,532	5	91	246	10,065	363	12,476
6:00am	136	2,396	105	3,718	63	1,883	583	22,743	887	30,740
7:00am	183	3,645	166	5,940	145	4,211	809	34,006	1,303	47,802
8:00am	169	3,546	142	5,052	120	2,820	1,017	39,483	1,448	50,901
9:00am	125	2,841	48	1,388	54	774	699	21,639	926	26,642
10:00am	111	1,642	22	574	28	296	318	9,168	479	11,680
11:00am	111	1,433	17	365	21	242	237	6,459	386	8,499
12:00pm	98	1,357	18	330	21	204	218	6,081	355	7,972
1:00pm	111	1,400	18	333	22	195	217	4,748	368	6,676
2:00pm	110	1,435	17	324	19	118	286	6,547	432	8,424
3:00pm	112	1,774	16	357	16	110	394	8,205	538	10,446
4:00pm	123	1,956	15	264	24	131	600	11,501	762	13,852
5:00pm	118	1,918	12	158	26	177	538	8,568	694	10,821
6:00pm	100	1,106	8	69	23	81	470	8,095	601	9,351
7:00pm	88	835	5	27	20	85	378	6,535	491	7,482
8:00pm	62	492	3	38	14	30	246	3,993	325	4,553
9:00pm	64	437	2	39	13	28	187	2,872	266	3,376
10:00pm	69	403	1	24	9	24	159	2,152	238	2,603
11:00pm	51	250	1	9	4	14	101	1,344	157	1,617
TOTAL	2,065	29,910	674	20,793	652	11,547	7,868	217,485	11,259	279,735

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
BUS TRANSIT BY SECTOR
SUMMARY, 2018-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	11	87	7	141	4	23	82	2,492	104	2,743
1:00am	8	37	0	0	0	0	37	877	45	914
2:00am	9	46	1	18	0	0	18	230	28	294
3:00am	8	24	1	9	0	0	13	338	22	371
4:00am	9	43	1	6	5	9	17	553	32	611
5:00am	18	73	1	8	6	9	98	1,889	123	1,979
6:00am	53	583	1	24	7	20	359	5,862	420	6,489
7:00am	95	1,294	5	79	13	52	626	9,959	739	11,384
8:00am	115	1,416	9	81	19	60	724	10,897	867	12,454
9:00am	108	1,149	10	71	16	43	694	10,523	828	11,786
10:00am	113	971	12	76	19	58	350	5,391	494	6,496
11:00am	102	1,176	11	107	24	88	225	3,603	362	4,974
12:00pm	98	1,189	17	192	23	137	179	3,378	317	4,896
1:00pm	100	1,264	18	275	22	156	181	3,871	321	5,566
2:00pm	97	1,688	23	569	23	211	226	6,312	369	8,780
3:00pm	110	2,049	60	1,400	25	387	288	9,659	483	13,495
4:00pm	134	2,572	104	2,973	70	1,376	490	19,109	798	26,030
5:00pm	179	4,420	140	4,826	108	2,802	774	32,622	1,201	44,670
6:00pm	157	3,710	121	3,559	97	2,340	730	30,768	1,105	40,377
7:00pm	127	2,254	68	1,372	58	1,100	450	17,496	703	22,222
8:00pm	118	1,603	39	793	24	520	329	11,885	510	14,801
9:00pm	84	1,067	21	617	21	258	247	9,095	373	11,037
10:00pm	83	979	17	407	15	254	204	6,944	319	8,584
11:00pm	47	325	10	205	10	146	135	3,734	202	4,410
TOTAL	1,983	30,019	697	17,808	609	10,049	7,476	207,487	10,765	265,363

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
BUS TRANSIT BY ROUTE
60TH STREET SECTOR 2018 - 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	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS
12:00 am	0	0	2	19	0	0	2	19	7	17	0	0	7	17	2	9	2	1	0	0	4	10
1:00am	0	0	2	7	0	0	2	7	3	7	0	0	3	7	1	1	0	0	0	0	1	1
2:00am	0	0	2	12	0	0	2	12	3	9	0	0	3	9	1	4	0	0	0	0	1	4
3:00am	0	0	2	9	0	0	2	9	3	9	0	0	3	9	1	4	0	0	0	0	1	4
4:00am	0	0	4	33	1	13	5	46	6	43	0	0	6	43	1	11	0	0	0	0	1	11
5:00am	2	5	5	41	9	116	14	157	15	67	1	38	16	105	4	35	10	342	2	72	16	449
6:00am	6	29	9	74	14	248	23	322	18	149	3	104	21	253	15	149	39	1,292	3	113	57	1,554
7:00am	8	90	4	80	21	731	25	811	18	251	8	207	26	458	25	533	58	1,189	2	46	85	1,768
8:00am	8	120	8	155	18	680	26	835	17	389	6	108	23	497	34	974	35	459	1	20	70	1,453
9:00am	7	85	7	199	8	298	15	497	15	962	2	30	17	992	33	679	19	197	1	13	53	889
10:00am	7	95	6	139	9	262	15	401	18	295	3	47	21	342	19	345	13	121	1	13	33	479
11:00am	4	70	6	129	6	187	12	316	16	298	2	37	18	335	24	309	13	124	0	0	37	433
12:00pm	7	115	5	115	9	232	14	347	13	277	2	21	15	298	15	187	13	115	1	14	29	316
1:00pm	5	77	7	122	8	227	15	349	18	274	2	28	20	302	22	252	13	140	0	0	35	392
2:00pm	5	90	7	115	8	278	15	393	16	218	2	21	18	239	22	288	13	89	0	0	35	377
3:00pm	7	155	7	192	9	388	16	580	14	280	2	8	16	288	27	325	13	115	0	0	40	440
4:00pm	7	139	4	133	12	455	16	588	19	286	2	12	21	298	30	443	13	114	0	0	43	557
5:00pm	5	125	7	187	11	355	18	542	18	257	2	18	20	275	26	563	11	69	0	0	37	632
6:00pm	7	93	4	105	6	229	10	334	15	129	2	10	17	139	17	177	12	32	0	0	29	209
7:00pm	7	49	6	73	6	194	12	267	14	151	2	7	16	158	15	146	10	26	0	0	25	172
8:00pm	4	21	3	61	6	162	9	223	10	72	1	6	11	78	8	38	9	26	0	0	17	64
9:00pm	5	16	2	24	4	133	6	157	5	40	1	2	6	42	13	58	9	43	0	0	22	101
10:00pm	4	19	4	38	2	63	6	101	10	58	1	6	11	64	12	38	9	50	0	0	21	88
11:00pm	2	10	5	66	0	0	5	66	9	50	1	2	10	52	6	35	9	15	0	0	15	50
TOTAL	107	1,403	118	2,128	167	5,251	285	7,379	300	4,588	45	712	345	5,300	373	5,603	323	4,559	11	291	707	10,453

* 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 2018- INBOUND (CONT'D)

HOURS	BROADWAY						COLUMBUS AVE		WEST END AVENUE		TOTAL							
	NYCT LOCAL		MTA BUS CO.		TOTAL		NYCT LOCAL		NYCT LOCAL		NYC TRANSIT		MTA BUS CO.		WCDOT *		ALL BUSES	
	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS
12:00 am	6	14	0	0	6	14	0	0	0	0	17	59	2	1	0	0	19	60
1:00am	1	2	0	0	1	2	0	0	0	0	7	17	0	0	0	0	7	17
2:00am	2	4	0	0	2	4	0	0	0	0	8	29	0	0	0	0	8	29
3:00am	3	5	0	0	3	5	0	0	0	0	9	27	0	0	0	0	9	27
4:00am	4	23	0	0	4	23	0	0	0	0	16	123	0	0	0	0	16	123
5:00am	11	52	0	0	11	52	4	9	2	11	52	336	11	380	2	72	65	788
6:00am	16	85	3	86	19	171	6	25	4	42	88	801	45	1,482	3	113	136	2,396
7:00am	23	229	3	61	26	290	7	119	6	109	112	2,142	69	1,457	2	46	183	3,645
8:00am	29	323	2	41	31	364	5	116	6	161	125	2,918	43	608	1	20	169	3,546
9:00am	23	253	2	28	25	281	4	49	4	48	101	2,573	23	255	1	13	125	2,841
10:00am	24	190	2	17	26	207	5	57	4	61	92	1,444	18	185	1	13	111	1,642
11:00am	29	167	2	21	31	188	5	62	4	29	94	1,251	17	182	0	0	111	1,433
12:00pm	22	154	2	7	24	161	5	73	4	47	80	1,200	17	143	1	14	98	1,357
1:00pm	25	165	2	18	27	183	5	62	4	35	94	1,214	17	186	0	0	111	1,400
2:00pm	24	160	2	14	26	174	6	80	5	82	93	1,311	17	124	0	0	110	1,435
3:00pm	21	140	2	9	23	149	6	98	4	64	95	1,642	17	132	0	0	112	1,774
4:00pm	23	134	2	11	25	145	5	119	6	110	106	1,819	17	137	0	0	123	1,956
5:00pm	26	208	2	7	28	215	5	71	5	58	103	1,824	15	94	0	0	118	1,918
6:00pm	26	184	2	0	28	184	4	81	5	66	84	1,064	16	42	0	0	100	1,106
7:00pm	19	122	2	1	21	123	3	23	4	43	74	801	14	34	0	0	88	835
8:00pm	12	39	2	4	14	43	4	47	3	16	50	456	12	36	0	0	62	492
9:00pm	17	66	2	4	19	70	3	29	3	22	52	388	12	49	0	0	64	437
10:00pm	21	87	2	2	23	89	3	39	1	3	57	345	12	58	0	0	69	403
11:00pm	14	59	1	0	15	59	2	12	2	1	40	233	11	17	0	0	51	250
TOTAL	421	2,865	37	331	458	3,196	87	1,171	76	1,008	1,649	24,017	405	5,602	11	291	2,065	29,910

* 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
BUS TRANSIT BY ROUTE
60TH STREET SECTOR 2018-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 *		TOTAL	
	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS
12:00 am	1	0	3	43	0	0	3	43	2	24	0	0	2	24	2	13	0	0	0	0	2	13
1:00am	0	0	2	9	0	0	2	9	4	24	0	0	4	24	0	0	0	0	0	0	0	0
2:00am	0	0	3	23	0	0	3	23	3	14	0	0	3	14	1	5	0	0	0	0	1	5
3:00am	0	0	2	10	0	0	2	10	3	8	0	0	3	8	1	3	0	0	0	0	1	3
4:00am	0	0	2	27	0	0	2	27	3	11	0	0	3	11	1	2	0	0	0	0	1	2
5:00am	1	1	2	30	0	0	2	30	6	22	0	0	6	22	2	5	0	0	0	0	2	5
6:00am	5	46	5	75	6	217	11	292	14	97	1	5	15	102	3	39	2	7	0	0	5	46
7:00am	7	64	5	91	11	514	16	605	15	198	2	4	17	202	15	186	10	47	0	0	25	233
8:00am	7	47	6	102	21	636	27	738	14	194	2	5	16	199	19	190	10	25	0	0	29	215
9:00am	8	31	5	64	13	307	18	371	12	379	0	0	12	379	21	222	15	19	0	0	36	241
10:00am	7	48	8	89	12	231	20	320	12	185	3	1	15	186	27	238	12	17	0	0	39	255
11:00am	5	44	6	114	9	274	15	388	15	266	3	3	18	269	18	223	13	41	0	0	31	264
12:00pm	6	53	7	127	8	276	15	403	16	189	1	3	17	192	16	244	13	59	1	8	30	311
1:00pm	5	55	6	125	8	241	14	366	17	229	3	6	20	235	19	257	14	72	0	0	33	329
2:00pm	3	29	5	86	8	398	13	484	11	279	3	15	14	294	21	410	12	102	1	9	34	521
3:00pm	5	64	8	157	8	492	16	649	14	320	3	7	17	327	18	376	19	227	1	34	38	637
4:00pm	5	36	4	72	10	548	14	620	16	353	4	22	20	375	22	467	31	532	2	45	55	1,044
5:00pm	8	134	8	232	10	758	18	990	21	561	5	23	26	584	32	1,068	51	981	2	56	85	2,105
6:00pm	8	143	7	180	10	543	17	723	21	452	4	24	25	476	22	704	41	994	2	46	65	1,744
7:00pm	6	77	6	85	10	425	16	510	15	324	4	27	19	351	25	433	24	466	1	18	50	917
8:00pm	9	37	7	108	7	222	14	330	19	225	3	23	22	248	21	285	17	402	1	19	39	706
9:00pm	6	52	4	59	6	163	10	222	15	167	2	9	17	176	13	181	13	228	0	0	26	409
10:00pm	4	45	5	59	7	150	12	209	12	125	2	13	14	138	13	171	11	211	0	0	24	382
11:00pm	4	15	6	65	0	0	6	65	9	65	0	0	9	65	9	89	0	0	0	0	9	89
TOTAL	110	1,021	122	2,032	164	6,395	286	8,427	289	4,711	45	190	334	4,901	341	5,811	308	4,430	11	235	660	10,476

* 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 2018-OUTBOUND (CONT'D)

9 - III

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
12:00 am	0	0	3	7	0	0	3	7	0	0	0	0	11	87	0	0	0	0	11	87
1:00am	0	0	2	4	0	0	2	4	0	0	0	0	8	37	0	0	0	0	8	37
2:00am	0	0	2	4	0	0	2	4	0	0	0	0	9	46	0	0	0	0	9	46
3:00am	0	0	2	3	0	0	2	3	0	0	0	0	8	24	0	0	0	0	8	24
4:00am	0	0	3	3	0	0	3	3	0	0	0	0	9	43	0	0	0	0	9	43
5:00am	2	2	4	12	0	0	4	12	0	0	1	1	18	73	0	0	0	0	18	73
6:00am	4	4	7	20	0	0	7	20	3	37	3	36	50	571	3	12	0	0	53	583
7:00am	8	8	11	63	1	0	12	63	6	80	4	39	82	1,243	13	51	0	0	95	1,294
8:00am	5	15	18	79	2	0	20	79	6	81	5	42	101	1,386	14	30	0	0	115	1,416
9:00am	9	12	14	30	2	0	16	30	4	40	5	45	91	1,130	17	19	0	0	108	1,149
10:00am	7	26	16	68	2	3	18	71	3	32	4	33	96	950	17	21	0	0	113	971
11:00am	9	33	12	76	2	1	14	77	6	79	4	22	84	1,131	18	45	0	0	102	1,176
12:00pm	6	25	14	127	2	3	16	130	4	54	4	21	81	1,116	16	65	1	8	98	1,189
1:00pm	9	31	10	138	2	5	12	143	4	77	3	28	81	1,181	19	83	0	0	100	1,264
2:00pm	3	14	18	177	2	7	20	184	5	109	5	53	79	1,555	17	124	1	9	97	1,688
3:00pm	8	25	13	133	2	14	15	147	6	131	5	69	85	1,767	24	248	1	34	110	2,049
4:00pm	8	34	18	224	2	18	20	242	6	147	6	74	95	1,955	37	572	2	45	134	2,572
5:00pm	9	62	18	277	4	20	22	297	5	134	6	114	117	3,340	60	1,024	2	56	179	4,420
6:00pm	9	73	18	293	4	24	22	317	5	128	6	106	106	2,622	49	1,042	2	46	157	3,710
7:00pm	8	39	17	209	2	10	19	219	3	62	6	79	96	1,733	30	503	1	18	127	2,254
8:00pm	9	29	12	131	2	19	14	150	5	58	6	45	95	1,140	22	444	1	19	118	1,603
9:00pm	6	22	11	95	2	23	13	118	3	30	3	38	67	807	17	260	0	0	84	1,067
10:00pm	8	25	13	105	2	13	15	118	3	29	3	33	68	742	15	237	0	0	83	979
11:00pm	6	14	8	58	0	0	8	58	3	15	2	4	47	325	0	0	0	0	47	325
TOTAL	133	493	264	2,336	35	160	299	2,496	80	1,323	81	882	1,584	25,004	388	4,780	11	235	1,983	30,019

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

- 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 2018-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	5	0	0	1	5	0	0	0	0	1	5	0	0	1	5
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	27	0	0	1	27	0	0	0	0	1	27	0	0	1	27
4:00am	7	208	0	0	7	208	0	0	0	0	7	208	0	0	7	208
5:00am	45	1,471	2	61	47	1,532	0	0	0	0	45	1,471	2	61	47	1,532
6:00am	94	3,351	11	367	105	3,718	0	0	0	0	94	3,351	11	367	105	3,718
7:00am	144	5,285	20	650	164	5,935	2	5	2	5	146	5,290	20	650	166	5,940
8:00am	116	4,438	24	604	140	5,042	2	10	2	10	118	4,448	24	604	142	5,052
9:00am	39	1,255	8	123	47	1,378	1	10	1	10	40	1,265	8	123	48	1,388
10:00am	16	517	4	40	20	557	2	17	2	17	18	534	4	40	22	574
11:00am	13	333	2	16	15	349	2	16	2	16	15	349	2	16	17	365
12:00pm	12	279	4	28	16	307	2	23	2	23	14	302	4	28	18	330
1:00pm	12	291	4	28	16	319	2	14	2	14	14	305	4	28	18	333
2:00pm	12	297	3	13	15	310	2	14	2	14	14	311	3	13	17	324
3:00pm	12	338	2	4	14	342	2	15	2	15	14	353	2	4	16	357
4:00pm	12	238	1	5	13	243	2	21	2	21	14	259	1	5	15	264
5:00pm	10	133	0	0	10	133	2	25	2	25	12	158	0	0	12	158
6:00pm	6	48	0	0	6	48	2	21	2	21	8	69	0	0	8	69
7:00pm	3	23	0	0	3	23	2	4	2	4	5	27	0	0	5	27
8:00pm	2	33	0	0	2	33	1	5	1	5	3	38	0	0	3	38
9:00pm	1	33	0	0	1	33	1	6	1	6	2	39	0	0	2	39
10:00pm	1	24	0	0	1	24	0	0	0	0	1	24	0	0	1	24
11:00pm	1	9	0	0	1	9	0	0	0	0	1	9	0	0	1	9
TOTAL	562	18,648	85	1,939	647	20,587	27	206	27	206	589	18,854	85	1,939	674	20,793

- 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 2018-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
12:00 am	5	123	2	18	7	141	0	0	0	0	5	123	2	18	7	141
1:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00am	1	18	0	0	1	18	0	0	0	0	1	18	0	0	1	18
3:00am	1	9	0	0	1	9	0	0	0	0	1	9	0	0	1	9
4:00am	1	6	0	0	1	6	0	0	0	0	1	6	0	0	1	6
5:00am	1	8	0	0	1	8	0	0	0	0	1	8	0	0	1	8
6:00am	1	24	0	0	1	24	0	0	0	0	1	24	0	0	1	24
7:00am	3	67	0	0	3	67	2	12	2	12	5	79	0	0	5	79
8:00am	8	75	0	0	8	75	1	6	1	6	9	81	0	0	9	81
9:00am	9	58	0	0	9	58	1	13	1	13	10	71	0	0	10	71
10:00am	10	55	0	0	10	55	2	21	2	21	12	76	0	0	12	76
11:00am	8	86	2	13	10	99	1	8	1	8	9	94	2	13	11	107
12:00pm	11	175	4	11	15	186	2	6	2	6	13	181	4	11	17	192
1:00pm	11	246	4	17	15	263	3	12	3	12	14	258	4	17	18	275
2:00pm	17	529	5	33	22	562	1	7	1	7	18	536	5	33	23	569
3:00pm	50	1,282	7	113	57	1,395	3	5	3	5	53	1,287	7	113	60	1,400
4:00pm	88	2,722	15	245	103	2,967	1	6	1	6	89	2,728	15	245	104	2,973
5:00pm	119	4,408	20	412	139	4,820	1	6	1	6	120	4,414	20	412	140	4,826
6:00pm	104	3,225	15	325	119	3,550	2	9	2	9	106	3,234	15	325	121	3,559
7:00pm	57	1,243	8	114	65	1,357	3	15	3	15	60	1,258	8	114	68	1,372
8:00pm	30	703	7	85	37	788	2	5	2	5	32	708	7	85	39	793
9:00pm	18	564	3	53	21	617	0	0	0	0	18	564	3	53	21	617
10:00pm	13	371	4	36	17	407	0	0	0	0	13	371	4	36	17	407
11:00pm	8	182	2	23	10	205	0	0	0	0	8	182	2	23	10	205
TOTAL	574	16,179	98	1,498	672	17,677	25	131	25	131	599	16,310	98	1,498	697	17,808

- 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 2018-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	BUSES	PSGRS
12:00 am	2	4	0	0	2	4	0	0	0	0	0	0	2	4	0	0	2	4
1:00am	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
3:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00am	0	0	3	29	3	29	0	0	0	0	0	0	0	0	3	29	3	29
5:00am	0	0	5	91	5	91	0	0	0	0	0	0	0	0	5	91	5	91
6:00am	5	110	8	98	13	208	6	205	44	1,470	50	1,675	11	315	52	1,568	63	1,883
7:00am	6	174	9	100	15	274	13	410	117	3,527	130	3,937	19	584	126	3,627	145	4,211
8:00am	6	112	8	87	14	199	9	218	97	2,403	106	2,621	15	330	105	2,490	120	2,820
9:00am	6	63	9	93	15	156	3	49	36	569	39	618	9	112	45	662	54	774
10:00am	5	81	11	49	16	130	0	0	12	166	12	166	5	81	23	215	28	296
11:00am	5	72	7	40	12	112	0	0	9	130	9	130	5	72	16	170	21	242
12:00pm	5	85	8	35	13	120	0	0	8	84	8	84	5	85	16	119	21	204
1:00pm	5	77	9	55	14	132	0	0	8	63	8	63	5	77	17	118	22	195
2:00pm	4	48	7	30	11	78	0	0	8	40	8	40	4	48	15	70	19	118
3:00pm	6	57	3	9	9	66	0	0	7	44	7	44	6	57	10	53	16	110
4:00pm	8	66	10	29	18	95	0	0	6	36	6	36	8	66	16	65	24	131
5:00pm	7	82	11	44	18	126	0	0	8	51	8	51	7	82	19	95	26	177
6:00pm	5	33	12	29	17	62	0	0	6	19	6	19	5	33	18	48	23	81
7:00pm	6	55	9	24	15	79	0	0	5	6	5	6	6	55	14	30	20	85
8:00pm	3	11	6	14	9	25	0	0	5	5	5	5	3	11	11	19	14	30
9:00pm	4	12	6	14	10	26	0	0	3	2	3	2	4	12	9	16	13	28
10:00pm	3	8	5	15	8	23	0	0	1	1	1	1	3	8	6	16	9	24
11:00pm	3	14	0	0	3	14	0	0	1	0	1	0	3	14	1	0	4	14
TOTAL	94	1,164	146	885	240	2,049	31	882	381	8,616	412	9,498	125	2,046	527	9,501	652	11,547

- 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 2018-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
12:00 am	1	3	0	0	0	0	3	20	4	23	0	0	0	0	1	3	3	20	4	23
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	5	0	0	5	9	0	0	0	0	1	4	4	5	5	9
5:00am	2	4	0	0	4	5	0	0	6	9	0	0	0	0	2	4	4	5	6	9
6:00am	1	7	0	0	6	13	0	0	7	20	0	0	0	0	1	7	6	13	7	20
7:00am	4	32	0	0	9	20	0	0	13	52	0	0	0	0	4	32	9	20	13	52
8:00am	4	26	0	0	10	28	5	6	19	60	0	0	0	0	4	26	15	34	19	60
9:00am	3	18	0	0	8	19	5	6	16	43	0	0	0	0	3	18	13	25	16	43
10:00am	4	18	0	0	8	27	7	13	19	58	0	0	0	0	4	18	15	40	19	58
11:00am	6	48	0	0	10	22	8	18	24	88	0	0	0	0	6	48	18	40	24	88
12:00pm	6	52	0	0	8	36	8	43	22	131	1	6	1	6	6	52	17	85	23	137
1:00pm	4	46	0	0	9	47	8	57	21	150	1	6	1	6	4	46	18	110	22	156
2:00pm	5	61	0	0	8	65	8	75	21	201	2	10	2	10	5	61	18	150	23	211
3:00pm	4	82	0	0	7	74	11	174	22	330	3	57	3	57	4	82	21	305	25	387
4:00pm	6	164	7	176	10	144	38	666	61	1,150	9	226	9	226	13	340	57	1,036	70	1,376
5:00pm	6	220	10	286	9	183	67	1,642	92	2,331	16	471	16	471	16	506	92	2,296	108	2,802
6:00pm	7	215	8	241	12	169	57	1,340	84	1,965	13	375	13	375	15	456	82	1,884	97	2,340
7:00pm	7	215	5	108	9	133	29	543	50	999	8	101	8	101	12	323	46	777	58	1,100
8:00pm	7	185	0	0	6	68	10	252	23	505	1	15	1	15	7	185	17	335	24	520
9:00pm	5	59	0	0	8	54	7	136	20	249	1	9	1	9	5	59	16	199	21	258
10:00pm	4	116	0	0	4	41	6	87	14	244	1	10	1	10	4	116	11	138	15	254
11:00pm	3	66	0	0	0	0	6	68	9	134	1	12	1	12	3	66	7	80	10	146
TOTAL	90	1,641	30	811	149	1,153	283	5,146	552	8,751	57	1,298	57	1,298	120	2,452	489	7,597	609	10,049

- 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

2018-INBOUND

HOURS	HOLLAND TUNNEL		LINCOLN TUNNEL		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	3	35	48	555	51	590
1:00am	3	36	27	322	30	358
2:00am	4	67	15	252	19	319
3:00am	5	124	16	396	21	520
4:00am	5	170	39	1,324	44	1,494
5:00am	27	936	219	9,129	246	10,065
6:00am	40	1,498	543	21,245	583	22,743
7:00am	45	1,644	764	32,362	809	34,006
8:00am	63	2,299	954	37,184	1,017	39,483
9:00am	47	1,629	652	20,010	699	21,639
10:00am	31	894	287	8,274	318	9,168
11:00am	25	681	212	5,778	237	6,459
12:00pm	19	530	199	5,551	218	6,081
1:00pm	17	372	200	4,376	217	4,748
2:00pm	28	641	258	5,906	286	6,547
3:00pm	47	979	347	7,226	394	8,205
4:00pm	63	1,208	537	10,293	600	11,501
5:00pm	41	653	497	7,915	538	8,568
6:00pm	23	396	447	7,699	470	8,095
7:00pm	25	432	353	6,103	378	6,535
8:00pm	12	195	234	3,798	246	3,993
9:00pm	7	108	180	2,764	187	2,872
10:00pm	10	135	149	2,017	159	2,152
11:00pm	3	40	98	1,304	101	1,344
TOTAL	593	15,702	7,275	201,783	7,868	217,485

2018-OUTBOUND ⁽¹⁾

HOURS	HOLLAND TUNNEL		LINCOLN TUNNEL		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	2	68	80	2,424	82	2,492
1:00am	1	24	36	853	37	877
2:00am	1	13	17	217	18	230
3:00am	0	0	13	338	13	338
4:00am	1	17	16	536	17	553
5:00am	11	207	87	1,682	98	1,889
6:00am	16	265	343	5,597	359	5,862
7:00am	26	410	600	9,549	626	9,959
8:00am	52	782	672	10,115	724	10,897
9:00am	39	591	655	9,932	694	10,523
10:00am	21	320	329	5,071	350	5,391
11:00am	11	180	214	3,423	225	3,603
12:00pm	10	189	169	3,189	179	3,378
1:00pm	17	155	164	3,716	181	3,871
2:00pm	16	336	210	5,976	226	6,312
3:00pm	18	620	270	9,039	288	9,659
4:00pm	27	887	463	18,222	490	19,109
5:00pm	35	1,250	739	31,372	774	32,622
6:00pm	33	1,114	697	29,654	730	30,768
7:00pm	23	686	427	16,810	450	17,496
8:00pm	21	462	308	11,423	329	11,885
9:00pm	12	441	235	8,654	247	9,095
10:00pm	19	654	185	6,290	204	6,944
11:00pm	8	208	127	3,526	135	3,734
TOTAL	420	9,879	7,056	197,608	7,476	207,487

(1) Westbound counts data from PANY&NJ October 2015 Classification Report

Note: 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.

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

2018-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		
12:00am	0	0	2	1	0	0	1	5	0	0	0	0	0	0	51	590	54	596
1:00am	0	0	0	0	0	0	1	3	0	0	0	0	0	0	30	358	31	361
2:00am	0	0	0	0	0	0	1	9	0	0	0	0	0	0	19	319	20	328
3:00am	0	0	0	0	0	0	1	27	0	0	0	0	0	0	21	520	22	547
4:00am	1	13	0	0	0	0	7	208	0	0	0	0	0	0	44	1,494	52	1,715
5:00am	9	116	11	380	2	72	45	1,471	2	61	0	0	0	0	246	10,065	315	12,165
6:00am	14	248	45	1,482	3	113	94	3,351	11	367	6	205	44	1,470	583	22,743	800	29,979
7:00am	21	731	69	1,457	2	46	144	5,285	20	650	13	410	117	3,527	809	34,006	1,195	46,112
8:00am	18	680	43	608	1	20	116	4,438	24	604	9	218	97	2,403	1,017	39,483	1,325	48,454
9:00am	8	298	23	255	1	13	39	1,255	8	123	3	49	36	569	699	21,639	817	24,201
10:00am	9	262	18	185	1	13	16	517	4	40	0	0	12	166	318	9,168	378	10,351
11:00am	6	187	17	182	0	0	13	333	2	16	0	0	9	130	237	6,459	284	7,307
12:00pm	9	232	17	143	1	14	12	279	4	28	0	0	8	84	218	6,081	269	6,861
1:00pm	8	227	17	186	0	0	12	291	4	28	0	0	8	63	217	4,748	266	5,543
2:00pm	8	278	17	124	0	0	12	297	3	13	0	0	8	40	286	6,547	334	7,299
3:00pm	9	388	17	132	0	0	12	338	2	4	0	0	7	44	394	8,205	441	9,111
4:00pm	12	455	17	137	0	0	12	238	1	5	0	0	6	36	600	11,501	648	12,372
5:00pm	11	355	15	94	0	0	10	133	0	0	0	0	8	51	538	8,568	582	9,201
6:00pm	6	229	16	42	0	0	6	48	0	0	0	0	6	19	470	8,095	504	8,433
7:00pm	6	194	14	34	0	0	3	23	0	0	0	0	5	6	378	6,535	406	6,792
8:00pm	6	162	12	36	0	0	2	33	0	0	0	0	5	5	246	3,993	271	4,229
9:00pm	4	133	12	49	0	0	1	33	0	0	0	0	3	2	187	2,872	207	3,089
10:00pm	2	63	12	58	0	0	1	24	0	0	0	0	1	1	159	2,152	175	2,298
11:00pm	0	0	11	17	0	0	1	9	0	0	0	0	1	0	101	1,344	114	1,370
TOTAL	167	5,251	405	5,602	11	291	562	18,648	85	1,939	31	882	381	8,616	7,868	217,485	9,510	258,714

Notes:

- 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.
- Buses crossing NJ Sector were counted at the toll facilities which include all the buses.
- 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.
- 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
2018-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		
12:00am	0	0	0	0	0	0	5	123	2	18	0	0	3	20	82	2,492	92	2,653
1:00am	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	877	37	877
2:00am	0	0	0	0	0	0	1	18	0	0	0	0	0	0	18	230	19	248
3:00am	0	0	0	0	0	0	1	9	0	0	0	0	0	0	13	338	14	347
4:00am	0	0	0	0	0	0	1	6	0	0	0	0	0	0	17	553	18	559
5:00am	0	0	0	0	0	0	1	8	0	0	0	0	0	0	98	1,889	99	1,897
6:00am	6	217	3	12	0	0	1	24	0	0	0	0	0	0	359	5,862	369	6,115
7:00am	11	514	13	51	0	0	3	67	0	0	0	0	0	0	626	9,959	653	10,591
8:00am	21	636	14	30	0	0	8	75	0	0	0	0	5	6	724	10,897	772	11,644
9:00am	13	307	17	19	0	0	9	58	0	0	0	0	5	6	694	10,523	738	10,913
10:00am	12	231	17	21	0	0	10	55	0	0	0	0	7	13	350	5,391	396	5,711
11:00am	9	274	18	45	0	0	8	86	2	13	0	0	8	18	225	3,603	270	4,039
12:00pm	8	276	16	65	1	8	11	175	4	11	0	0	9	49	179	3,378	228	3,962
1:00pm	8	241	19	83	0	0	11	246	4	17	0	0	9	63	181	3,871	232	4,521
2:00pm	8	398	17	124	1	9	17	529	5	33	0	0	10	85	226	6,312	284	7,490
3:00pm	8	492	24	248	1	34	50	1,282	7	113	0	0	14	231	288	9,659	392	12,059
4:00pm	10	548	37	572	2	45	88	2,722	15	245	7	176	47	892	490	19,109	696	24,309
5:00pm	10	758	60	1,024	2	56	119	4,408	20	412	10	286	83	2,113	774	32,622	1,078	41,679
6:00pm	10	543	49	1,042	2	46	104	3,225	15	325	8	241	70	1,715	730	30,768	988	37,905
7:00pm	10	425	30	503	1	18	57	1,243	8	114	5	108	37	644	450	17,496	598	20,551
8:00pm	7	222	22	444	1	19	30	703	7	85	0	0	11	267	329	11,885	407	13,625
9:00pm	6	163	17	260	0	0	18	564	3	53	0	0	8	145	247	9,095	299	10,280
10:00pm	7	150	15	237	0	0	13	371	4	36	0	0	7	97	204	6,944	250	7,835
11:00pm	0	0	0	0	0	0	8	182	2	23	0	0	7	80	135	3,734	152	4,019
TOTAL	164	6,395	388	4,780	11	235	574	16,179	98	1,498	30	811	340	6,444	7,476	207,487	9,081	243,829

Notes:

- 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.
- Buses crossing NJ Sector were counted at the toll facilities which include all the buses.
- 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.
- 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
2018

Route	Daily	12am-6am	6am-9am	9am-4pm	4pm-7pm	7pm-12am
BM1	1,217	28	591	151	359	88
BM2	820	13	341	98	242	126
BM3	797	38	349	112	227	71
BM4	603	0	340	78	159	26
BM5	696	0	294	84	263	55
BxM1	902	38	433	227	109	95
BxM10	1,332	19	394	212	448	259
BxM11	820	30	239	162	197	192
BxM18	234	0	136	0	65	33
BxM2	491	0	188	147	80	76
BxM3	603	0	292	87	124	100
BXM4	348	0	127	74	76	71
BxM6	588	0	203	73	214	98
BXM7	2,061	134	573	378	624	352
BxM8	1,266	0	444	167	483	172
BxM9	1,737	160	611	285	491	190
QM1	287	0	176	0	93	18
QM10	157	0	95	11	47	4
QM11	438	0	227	37	159	15
QM12	248	0	180	19	49	0
QM15	1,497	0	667	267	409	154
QM16	525	0	325	0	189	11
QM17	484	0	278	0	192	14
QM18	227	0	115	10	86	16
QM2	1,250	0	405	256	371	218
QM20	1,062	0	501	116	317	128
QM21	279	0	115	25	81	58
QM24	568	0	401	27	133	7
QM25	480	0	293	18	151	18
QM3	139	0	81	0	58	0
QM31	184	0	72	17	95	0
QM32	496	0	265	28	187	16
QM34	626	0	346	25	244	11
QM35	559	0	353	24	163	19
QM36	269	0	159	0	110	0
QM4	540	6	261	94	119	60
QM40	143	0	66	9	60	8
QM42	208	0	132	13	57	6
QM44	195	0	96	16	83	0
QM5	1,343	7	454	249	412	221
QM6	823	7	345	141	199	131
QM7	738	0	440	75	180	43
QM8	599	0	264	0	319	16
Total	28,879	480	12,667	3,812	8,724	3,196

SECTION B
SUBWAY BY SECTOR
SUMMARY, 2018-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	26	244	2,526	27	248	1,932	14	140	1,378	3	22	127	70	654	5,963
1:00am	17	158	1,029	18	168	728	10	100	545	4	30	113	49	456	2,415
2:00am	17	158	740	22	204	816	7	70	387	3	23	92	49	455	2,035
3:00am	19	178	1,275	19	174	798	8	80	620	4	30	174	50	462	2,867
4:00am	21	196	3,765	22	202	2,242	9	90	2,033	4	30	563	56	518	8,603
5:00am	40	380	15,281	42	378	14,333	23	228	11,588	7	53	3,139	112	1,039	44,341
6:00am	71	670	39,847	84	744	43,306	54	527	32,813	25	184	8,458	234	2,125	124,424
7:00am	95	898	74,098	124	1,110	91,494	72	712	60,150	43	316	21,830	334	3,036	247,572
8:00am	114	1,076	118,668	152	1,344	154,058	77	749	89,769	49	358	36,199	392	3,527	398,694
9:00am	84	784	71,845	118	1,040	106,009	65	648	60,432	36	263	17,863	303	2,735	256,149
10:00am	73	678	43,910	101	900	49,749	54	529	31,469	21	151	6,406	249	2,258	131,534
11:00am	74	694	36,479	109	976	38,540	51	499	20,807	21	151	4,310	255	2,320	100,136
12:00pm	82	766	33,586	100	898	30,549	52	505	17,078	21	151	3,385	255	2,320	84,598
1:00pm	85	806	34,605	96	856	30,138	51	498	16,982	21	151	3,045	253	2,311	84,770
2:00pm	87	814	40,098	106	948	32,595	56	549	18,872	21	151	3,032	270	2,462	94,597
3:00pm	85	804	49,068	116	1,046	36,920	58	567	22,288	24	175	3,243	283	2,592	111,519
4:00pm	108	1,014	57,381	128	1,148	38,401	70	683	23,237	33	241	5,001	339	3,086	124,020
5:00pm	108	1,008	62,291	133	1,202	43,813	75	741	23,927	45	329	8,865	361	3,280	138,896
6:00pm	89	838	46,915	126	1,136	35,515	69	679	17,767	39	285	5,892	323	2,938	106,089
7:00pm	93	880	31,188	118	1,064	20,063	60	592	10,504	25	182	2,562	296	2,718	64,317
8:00pm	81	762	21,659	105	934	14,343	55	545	6,559	23	167	1,269	264	2,408	43,830
9:00pm	56	528	15,564	90	808	10,150	46	463	5,210	19	137	910	211	1,936	31,834
10:00pm	35	328	8,888	57	506	7,268	31	307	3,850	16	116	591	139	1,257	20,597
11:00pm	26	246	5,177	39	356	4,001	21	215	2,493	5	37	241	91	854	11,912
TOTAL	1,586	14,908	815,883	2,052	18,390	807,761	1,088	10,716	480,758	512	3,733	137,310	5,238	47,747	2,241,712

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, 2018-OUTBOUND

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	30	284	11,114	35	318	11,947	17	166	7,244	3	22	1,008	85	790	31,313
1:00am	25	238	4,825	24	222	3,834	13	130	2,876	4	30	515	66	620	12,050
2:00am	18	170	2,284	22	198	2,131	6	60	1,110	3	23	247	49	451	5,772
3:00am	22	206	1,529	23	208	1,255	9	90	657	3	22	137	57	526	3,578
4:00am	20	192	1,534	27	242	1,281	10	100	992	4	30	185	61	564	3,992
5:00am	31	292	5,619	37	342	3,535	14	141	2,578	4	30	389	86	805	12,121
6:00am	50	470	21,620	83	748	15,291	37	366	8,990	22	161	1,539	192	1,745	47,440
7:00am	81	752	46,328	114	1,022	24,578	62	618	14,047	40	294	4,049	297	2,686	89,002
8:00am	105	976	47,397	135	1,200	31,457	67	661	15,460	47	344	7,334	354	3,181	101,648
9:00am	99	922	36,170	138	1,232	23,485	72	705	11,964	39	285	3,818	348	3,144	75,437
10:00am	73	666	23,129	110	988	17,206	58	566	8,534	22	159	1,627	263	2,379	50,496
11:00am	93	878	26,037	95	844	17,853	51	501	8,929	21	151	1,590	260	2,374	54,409
12:00pm	78	734	26,651	98	880	20,767	53	513	12,097	21	151	1,911	250	2,278	61,426
1:00pm	83	776	31,830	102	912	25,163	52	510	14,323	21	151	2,379	258	2,349	73,695
2:00pm	80	752	38,729	108	972	34,594	54	526	20,984	21	151	3,317	263	2,401	97,624
3:00pm	89	840	56,631	106	946	49,788	58	571	31,450	22	159	6,057	275	2,516	143,926
4:00pm	91	854	67,507	124	1,116	69,725	69	677	46,384	34	251	12,897	318	2,898	196,513
5:00pm	101	958	91,413	144	1,292	112,910	71	706	67,342	47	344	27,214	363	3,300	298,879
6:00pm	100	954	87,704	129	1,148	111,156	71	694	64,981	41	300	22,833	341	3,096	286,674
7:00pm	96	912	55,260	125	1,122	75,042	64	630	43,502	29	212	12,554	314	2,876	186,358
8:00pm	84	794	41,466	102	914	50,089	65	638	31,324	23	167	8,751	274	2,513	131,630
9:00pm	81	770	33,630	86	756	39,731	51	507	23,136	21	152	6,254	239	2,185	102,751
10:00pm	54	510	26,754	64	552	29,390	41	412	17,764	16	116	4,092	175	1,590	78,000
11:00pm	47	450	19,396	45	396	18,045	29	291	13,047	8	59	1,938	129	1,196	52,426
TOTAL	1,631	15,350	804,557	2,076	18,570	790,253	1,094	10,779	469,715	516	3,764	132,635	5,317	48,463	2,197,160

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, 2018-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	26	244	2,526	27	248	1,932	14	140	1,378	67	632	5,836
1:00am	17	158	1,029	18	168	728	10	100	545	45	426	2,302
2:00am	17	158	740	22	204	816	7	70	387	46	432	1,943
3:00am	19	178	1,275	19	174	798	8	80	620	46	432	2,693
4:00am	21	196	3,765	22	202	2,242	9	90	2,033	52	488	8,040
5:00am	40	380	15,281	42	378	14,333	23	228	11,588	105	986	41,202
6:00am	71	670	39,847	84	744	43,306	54	527	32,813	209	1,941	115,966
7:00am	95	898	74,098	124	1,110	91,494	72	712	60,150	291	2,720	225,742
8:00am	114	1,076	118,668	152	1,344	154,058	77	749	89,769	343	3,169	362,495
9:00am	84	784	71,845	118	1,040	106,009	65	648	60,432	267	2,472	238,286
10:00am	73	678	43,910	101	900	49,749	54	529	31,469	228	2,107	125,128
11:00am	74	694	36,479	109	976	38,540	51	499	20,807	234	2,169	95,826
12:00pm	82	766	33,586	100	898	30,549	52	505	17,078	234	2,169	81,213
1:00pm	85	806	34,605	96	856	30,138	51	498	16,982	232	2,160	81,725
2:00pm	87	814	40,098	106	948	32,595	56	549	18,872	249	2,311	91,565
3:00pm	85	804	49,068	116	1,046	36,920	58	567	22,288	259	2,417	108,276
4:00pm	108	1,014	57,381	128	1,148	38,401	70	683	23,237	306	2,845	119,019
5:00pm	108	1,008	62,291	133	1,202	43,813	75	741	23,927	316	2,951	130,031
6:00pm	89	838	46,915	126	1,136	35,515	69	679	17,767	284	2,653	100,197
7:00pm	93	880	31,188	118	1,064	20,063	60	592	10,504	271	2,536	61,755
8:00pm	81	762	21,659	105	934	14,343	55	545	6,559	241	2,241	42,561
9:00pm	56	528	15,564	90	808	10,150	46	463	5,210	192	1,799	30,924
10:00pm	35	328	8,888	57	506	7,268	31	307	3,850	123	1,141	20,006
11:00pm	26	246	5,177	39	356	4,001	21	215	2,493	86	817	11,671
TOTAL	1,586	14,908	815,883	2,052	18,390	807,761	1,088	10,716	480,758	4,726	44,014	2,104,402

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, 2018-OUTBOUND

HOURS	60TH STREET SECTOR			BROOKLYN SECTOR			QUEENS SECTOR			ALL SECTORS		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	30	284	11,114	35	318	11,947	17	166	7,244	82	768	30,305
1:00am	25	238	4,825	24	222	3,834	13	130	2,876	62	590	11,535
2:00am	18	170	2,284	22	198	2,131	6	60	1,110	46	428	5,525
3:00am	22	206	1,529	23	208	1,255	9	90	657	54	504	3,441
4:00am	20	192	1,534	27	242	1,281	10	100	992	57	534	3,807
5:00am	31	292	5,619	37	342	3,535	14	141	2,578	82	775	11,732
6:00am	50	470	21,620	83	748	15,291	37	366	8,990	170	1,584	45,901
7:00am	81	752	46,328	114	1,022	24,578	62	618	14,047	257	2,392	84,953
8:00am	105	976	47,397	135	1,200	31,457	67	661	15,460	307	2,837	94,314
9:00am	99	922	36,170	138	1,232	23,485	72	705	11,964	309	2,859	71,619
10:00am	73	666	23,129	110	988	17,206	58	566	8,534	241	2,220	48,869
11:00am	93	878	26,037	95	844	17,853	51	501	8,929	239	2,223	52,819
12:00pm	78	734	26,651	98	880	20,767	53	513	12,097	229	2,127	59,515
1:00pm	83	776	31,830	102	912	25,163	52	510	14,323	237	2,198	71,316
2:00pm	80	752	38,729	108	972	34,594	54	526	20,984	242	2,250	94,307
3:00pm	89	840	56,631	106	946	49,788	58	571	31,450	253	2,357	137,869
4:00pm	91	854	67,507	124	1,116	69,725	69	677	46,384	284	2,647	183,616
5:00pm	101	958	91,413	144	1,292	112,910	71	706	67,342	316	2,956	271,665
6:00pm	100	954	87,704	129	1,148	111,156	71	694	64,981	300	2,796	263,841
7:00pm	96	912	55,260	125	1,122	75,042	64	630	43,502	285	2,664	173,804
8:00pm	84	794	41,466	102	914	50,089	65	638	31,324	251	2,346	122,879
9:00pm	81	770	33,630	86	756	39,731	51	507	23,136	218	2,033	96,497
10:00pm	54	510	26,754	64	552	29,390	41	412	17,764	159	1,474	73,908
11:00pm	47	450	19,396	45	396	18,045	29	291	13,047	121	1,137	50,488
TOTAL	1,631	15,350	804,557	2,076	18,570	790,253	1,094	10,779	469,715	4,801	44,699	2,064,525

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, 2018-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	0	0	0	10	100	1,007	4	40	378	8	64	587	0	0	0	4	40	554	0	0	0	26	244	2,526
1:00am	0	0	0	5	50	372	3	30	91	6	48	329	0	0	0	3	30	237	0	0	0	17	158	1,029
2:00am	0	0	0	7	70	346	2	20	40	6	48	249	0	0	0	2	20	105	0	0	0	17	158	740
3:00am	0	0	0	7	70	647	3	30	56	6	48	400	0	0	0	3	30	172	0	0	0	19	178	1,275
4:00am	0	0	0	7	70	1,767	3	30	193	7	56	1,169	0	0	0	4	40	636	0	0	0	21	196	3,765
5:00am	8	80	5,050	5	50	2,240	4	40	436	7	56	3,442	3	24	379	8	80	2,089	5	50	1,645	40	380	15,281
6:00am	15	150	12,583	10	100	4,901	6	60	1,740	11	88	8,739	9	72	1,651	12	120	6,613	8	80	3,620	71	670	39,847
7:00am	19	190	16,840	13	130	6,963	7	70	5,433	15	120	17,085	11	88	4,752	18	180	15,698	12	120	7,327	95	898	74,098
8:00am	19	190	23,774	18	180	13,375	9	90	12,988	19	152	23,952	13	104	9,798	18	180	14,801	18	180	19,980	114	1,076	118,668
9:00am	14	140	11,867	4	40	4,201	6	60	9,221	15	120	14,376	13	104	6,681	20	200	12,291	12	120	13,208	84	784	71,845
10:00am	11	110	7,749	13	130	6,658	8	80	5,191	15	120	9,215	11	88	3,824	9	90	6,714	6	60	4,559	73	678	43,910
11:00am	14	140	7,533	11	110	4,404	8	80	3,186	12	96	7,124	11	88	2,309	9	90	5,907	9	90	6,016	74	694	36,479
12:00pm	14	140	6,401	12	120	4,352	7	70	3,088	13	104	6,763	14	112	2,434	13	130	6,042	9	90	4,506	82	766	33,586
1:00pm	16	160	7,161	14	140	4,810	8	80	2,827	11	88	6,292	11	88	2,293	14	140	5,317	11	110	5,905	85	806	34,605
2:00pm	15	150	7,040	13	130	6,028	8	80	3,601	15	120	7,990	13	104	2,964	13	130	6,847	10	100	5,628	87	814	40,098
3:00pm	18	180	10,542	11	110	7,507	7	70	4,748	12	96	7,099	11	88	3,354	14	140	8,490	12	120	7,328	85	804	49,068
4:00pm	23	230	11,474	15	150	9,003	8	80	4,677	20	160	8,979	13	104	4,679	17	170	10,517	12	120	8,052	108	1,014	57,381
5:00pm	21	210	11,251	11	110	9,007	5	50	6,514	22	176	9,527	14	112	4,991	18	180	11,152	17	170	9,849	108	1,008	62,291
6:00pm	15	150	6,881	14	140	7,956	7	70	5,351	15	120	6,534	11	88	3,451	16	160	9,963	11	110	6,779	89	838	46,915
7:00pm	15	150	4,431	12	120	4,891	10	100	3,846	12	96	3,915	13	104	2,153	16	160	6,484	15	150	5,468	93	880	31,188
8:00pm	11	110	2,805	12	120	4,281	8	80	2,178	13	104	2,809	11	88	1,319	12	120	4,297	14	140	3,970	81	762	21,659
9:00pm	5	50	1,705	11	110	2,937	7	70	2,010	11	88	2,437	5	40	744	9	90	2,622	8	80	3,109	56	528	15,564
10:00pm	0	0	0	12	120	3,472	6	60	1,162	11	88	2,061	0	0	0	6	60	2,193	0	0	0	35	328	8,888
11:00pm	0	0	0	11	110	2,246	4	40	790	7	56	1,068	0	0	0	4	40	1,073	0	0	0	26	246	5,177
TOTAL	253	2,530	155,087	258	2,580	113,371	148	1,480	79,745	289	2,312	152,141	187	1,496	57,776	262	2,620	140,814	189	1,890	116,949	1,586	14,908	815,883

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

** Midday W service was diverted to 96 St-2nd Avenue due to planned repair work.

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, 2018-OUTBOUND

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 VIA 6 (Local)			57TH ST./7TH AVE VIA Q, W** LINES (Local)			59TH ST./COLUMBUS CIR. VIA A (Exp./Loc), D (Express)			59TH ST./COLUMBUS CIR. VIA B, C LINES (Local)			EXPRESS VIA 2, 3,LINES			CIRCLE VIA 2*, 1 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	4	40	1,735	5	50	1,774	3	30	301	8	64	3,357	0	0	0	0	0	0	10	100	3,947	30	284	11,114
1:00am	4	40	873	5	50	867	3	30	156	6	48	1,392	0	0	0	0	0	0	7	70	1,537	25	238	4,825
2:00am	3	30	585	3	30	270	2	20	41	5	40	735	0	0	0	0	0	0	5	50	653	18	170	2,284
3:00am	3	30	226	3	30	292	2	20	42	7	56	427	0	0	0	0	0	0	7	70	542	22	206	1,529
4:00am	3	30	246	3	30	330	4	40	138	4	32	260	0	0	0	0	0	0	6	60	560	20	192	1,534
5:00am	5	50	1,428	4	40	1,078	3	30	632	9	72	846	0	0	0	3	30	153	7	70	1,482	31	292	5,619
6:00am	8	80	4,386	7	70	4,119	6	60	2,969	11	88	3,036	4	32	761	8	80	3,460	6	60	2,889	50	470	21,620
7:00am	14	140	8,661	11	110	7,918	8	80	6,707	16	128	5,934	13	104	3,257	12	120	7,683	7	70	6,168	81	752	46,328
8:00am	19	190	9,565	12	120	7,396	7	70	4,525	22	176	6,199	15	120	3,681	17	170	9,359	13	130	6,672	105	976	47,397
9:00am	14	140	4,213	15	150	8,392	5	50	4,315	21	168	5,493	13	104	2,470	15	150	6,411	16	160	4,876	99	922	36,170
10:00am	18	180	4,322	9	90	5,168	9	90	2,778	17	136	4,581	15	120	2,610	5	50	3,670	0	0	0	73	666	23,129
11:00am	17	170	4,669	12	120	4,128	7	70	2,119	14	112	3,946	12	96	1,857	18	180	5,232	13	130	4,086	93	878	26,037
12:00pm	12	120	4,967	14	140	4,875	7	70	2,128	10	80	3,309	13	104	2,354	14	140	4,775	8	80	4,243	78	734	26,651
1:00pm	13	130	5,784	12	120	5,024	10	100	2,845	15	120	5,265	12	96	2,274	11	110	4,667	10	100	5,971	83	776	31,830
2:00pm	15	150	9,089	9	90	4,588	8	80	3,542	12	96	5,841	12	96	2,637	13	130	5,718	11	110	7,314	80	752	38,729
3:00pm	16	160	12,581	16	160	9,788	7	70	3,521	14	112	9,464	11	88	3,547	14	140	10,397	11	110	7,333	89	840	56,631
4:00pm	16	160	15,373	12	120	10,056	6	60	3,417	16	128	12,973	12	96	4,977	17	170	13,156	12	120	7,555	91	854	67,507
5:00pm	22	220	22,545	17	170	11,516	6	60	6,677	16	128	16,074	10	80	5,835	17	170	17,018	13	130	11,748	101	958	91,413
6:00pm	23	230	20,928	12	120	8,927	7	70	10,532	13	104	12,470	10	80	7,548	20	200	16,947	15	150	10,352	100	954	87,704
7:00pm	17	170	10,384	14	140	6,594	11	110	6,198	11	88	8,098	13	104	4,842	18	180	11,317	12	120	7,827	96	912	55,260
8:00pm	12	120	7,242	11	110	5,573	7	70	3,461	12	96	8,167	11	88	2,929	17	170	7,808	14	140	6,286	84	794	41,466
9:00pm	17	170	6,489	10	100	4,119	8	80	2,715	11	88	6,431	9	72	2,510	12	120	5,431	14	140	5,935	81	770	33,630
10:00pm	9	90	3,901	10	100	4,066	3	30	1,589	10	80	6,182	5	40	1,645	2	20	511	15	150	8,860	54	510	26,754
11:00pm	6	60	2,770	9	90	3,275	8	80	1,635	9	72	4,700	1	8	445	0	0	0	14	140	6,571	47	450	19,396
TOTAL	290	2,900	162,962	235	2,350	120,133	147	1,470	72,983	289	2,312	135,180	191	1,528	56,179	233	2,330	133,713	246	2,460	123,407	1,631	15,350	804,557

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

** Midday W service was diverted to 96 St-2nd Avenue due to planned repair work.

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, 2018-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	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	0	0	0	4	32	619	4	40	362	7	62	485	0	0	0
1:00am	0	0	0	3	24	310	3	30	93	4	38	117	0	0	0
2:00am	0	0	0	3	24	239	3	30	103	7	64	205	0	0	0
3:00am	0	0	0	3	24	235	3	30	56	6	54	214	0	0	0
4:00am	0	0	0	2	16	428	3	30	166	7	64	751	0	0	0
5:00am	5	40	2,266	6	48	1,846	5	50	1,434	9	82	3,784	0	0	0
6:00am	10	80	7,488	11	88	3,863	6	60	2,113	16	144	9,724	7	64	3,680
7:00am	14	112	14,378	12	96	7,669	11	110	6,255	15	136	14,533	14	126	11,887
8:00am	19	152	23,678	21	168	15,326	10	100	10,531	17	154	23,474	18	162	21,527
9:00am	17	136	18,451	13	104	8,970	11	110	8,824	13	114	14,274	14	124	12,790
10:00am	11	88	8,271	11	88	5,124	7	70	3,500	17	156	9,284	11	98	5,829
11:00am	11	88	6,239	12	96	3,354	8	80	3,075	14	126	6,295	13	118	5,462
12:00pm	9	72	4,311	13	104	3,147	9	90	2,873	13	120	4,835	11	98	3,476
1:00pm	10	80	4,744	12	96	2,706	8	80	2,632	14	128	4,580	12	108	3,705
2:00pm	10	80	5,051	13	104	3,207	9	90	3,273	13	118	4,594	13	116	4,245
3:00pm	12	96	5,845	12	96	3,338	11	110	3,624	15	136	5,351	13	118	4,325
4:00pm	14	112	6,180	17	136	3,211	13	130	4,213	8	72	3,848	16	146	5,177
5:00pm	16	128	6,274	14	112	3,164	14	140	5,837	13	120	6,312	11	100	4,350
6:00pm	17	136	5,535	13	104	2,515	10	100	5,544	18	166	5,590	11	98	2,937
7:00pm	15	120	3,454	12	96	1,617	13	130	3,007	17	158	2,947	9	78	1,370
8:00pm	16	128	2,449	12	96	1,033	8	80	1,639	18	164	2,982	1	8	116
9:00pm	14	112	1,898	12	96	706	7	70	1,105	17	166	2,178	2	16	274
10:00pm	13	104	2,121	10	80	716	8	80	760	12	116	1,648	2	16	291
11:00pm	1	8	234	6	48	583	6	60	578	10	90	1,478	0	0	0
TOTAL	234	1,872	128,867	247	1,976	73,926	190	1,900	71,597	300	2,748	129,483	178	1,594	91,441

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, 2018-INBOUND (CONT'D)

HOURS	CRANBERRY ST. TUNNEL			CLARK ST. TUNNEL			MONTAGUE ST. TUNNEL			JORALEMON ST. TUNNEL			TOTAL		
	VIA HIGH STREET A, C LINES (LOCAL)			VIA CLARK STREET 2,3 LINES (LOCAL)			VIA COURT STREET N, R LINES (LOCAL)			VIA BOROUGH HALL 4, 5 LINES (LOCAL)			BROOKLYN SECTOR		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	0	0	0	0	0	0	8	74	136	4	40	330	27	248	1,932
1:00am	0	0	0	0	0	0	5	46	70	3	30	138	18	168	728
2:00am	0	0	0	0	0	0	5	46	143	4	40	126	22	204	816
3:00am	0	0	0	0	0	0	4	36	120	3	30	173	19	174	798
4:00am	1	8	79	0	0	0	6	54	150	3	30	668	22	202	2,242
5:00am	3	24	1,283	4	40	1,541	6	54	530	4	40	1,649	42	378	14,333
6:00am	10	80	6,950	8	80	3,197	6	48	992	10	100	5,299	84	744	43,306
7:00am	18	144	14,385	14	140	8,198	7	56	2,618	19	190	11,571	124	1,110	91,494
8:00am	23	184	24,887	17	170	15,098	8	64	5,358	19	190	14,179	152	1,344	154,058
9:00am	16	128	17,887	13	130	9,628	8	64	5,833	13	130	9,352	118	1,040	106,009
10:00am	14	112	8,402	10	100	3,034	6	48	1,614	14	140	4,691	101	900	49,749
11:00am	15	120	7,213	16	160	3,052	6	48	970	14	140	2,880	109	976	38,540
12:00pm	12	96	5,299	13	130	2,901	6	48	809	14	140	2,898	100	898	30,549
1:00pm	13	104	5,415	10	100	2,510	5	40	665	12	120	3,181	96	856	30,138
2:00pm	13	104	4,954	13	130	2,323	7	56	816	15	150	4,132	106	948	32,595
3:00pm	12	96	5,654	16	160	3,076	8	64	1,217	17	170	4,490	116	1,046	36,920
4:00pm	16	128	6,616	17	170	4,291	8	64	1,009	19	190	3,856	128	1,148	38,401
5:00pm	16	128	7,472	20	200	3,624	8	64	1,410	21	210	5,370	133	1,202	43,813
6:00pm	12	96	5,520	18	180	3,401	7	56	1,007	20	200	3,466	126	1,136	35,515
7:00pm	11	88	3,103	17	170	1,963	8	64	622	16	160	1,980	118	1,064	20,063
8:00pm	15	120	2,908	16	160	1,876	6	48	339	13	130	1,001	105	934	14,343
9:00pm	10	80	1,556	10	100	1,072	6	48	453	12	120	908	90	808	10,150
10:00pm	0	0	0	0	0	0	5	40	424	7	70	1,308	57	506	7,268
11:00pm	0	0	0	0	0	0	10	90	265	6	60	863	39	356	4,001
TOTAL	230	1,840	129,583	232	2,320	70,785	159	1,320	27,570	282	2,820	84,509	2,052	18,390	807,761

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, 2018-OUTBOUND

HOURS	14TH STREET TUNNEL			WILLIAMSBURG BRIDGE			RUTGERS ST. TUNNEL			MANHATTAN BRIDGE			MONTAGUE 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
12:00am	0	0	0	4	32	2,877	5	50	1,313	5	50	2,474	8	74	690
1:00am	0	0	0	3	24	1,280	3	30	364	3	30	461	8	76	363
2:00am	0	0	0	3	24	668	3	30	192	3	30	231	3	26	45
3:00am	0	0	0	3	24	340	4	40	209	1	10	56	7	64	83
4:00am	0	0	0	3	24	254	3	30	120	3	30	84	5	46	101
5:00am	3	24	624	2	16	211	4	40	541	4	40	468	6	54	200
6:00am	10	80	2,233	9	72	909	7	70	1,304	8	74	1,486	7	62	715
7:00am	13	104	3,330	13	104	1,931	10	100	3,211	12	108	2,445	9	72	1,123
8:00am	18	144	3,336	18	144	1,800	14	140	4,441	15	138	4,096	11	90	2,254
9:00am	19	152	2,830	16	128	1,306	14	140	3,748	14	126	3,013	7	56	1,188
10:00am	12	96	2,078	13	104	1,133	10	100	2,205	12	108	2,568	5	40	497
11:00am	10	80	2,940	12	96	1,247	7	70	1,764	13	120	2,502	6	48	613
12:00pm	9	72	2,978	12	96	1,602	8	80	2,022	15	138	3,362	6	48	673
1:00pm	10	80	4,033	12	96	2,021	8	80	2,057	14	126	4,197	6	48	913
2:00pm	11	88	5,888	12	96	2,727	9	90	3,183	13	118	5,342	6	48	1,178
3:00pm	11	88	8,667	12	96	4,827	8	80	3,757	14	128	7,445	6	48	1,745
4:00pm	12	96	10,839	14	112	5,542	10	100	4,905	14	126	10,290	9	72	3,293
5:00pm	16	128	17,513	18	144	10,292	11	110	7,735	15	134	17,346	10	84	5,329
6:00pm	18	144	20,265	14	112	9,950	12	120	10,160	11	100	14,759	9	72	5,009
7:00pm	15	120	12,582	13	104	7,009	12	120	7,005	17	156	14,328	7	56	2,230
8:00pm	15	120	10,341	10	80	4,799	11	110	4,496	13	118	8,322	5	40	1,307
9:00pm	15	120	8,031	12	96	3,249	7	70	3,410	11	104	6,894	6	48	1,301
10:00pm	13	104	6,332	10	80	2,834	4	40	2,160	6	60	4,263	6	48	1,042
11:00pm	5	40	2,765	7	56	2,772	6	60	1,613	4	40	2,526	6	50	498
TOTAL	235	1,880	127,605	245	1,960	71,580	190	1,900	71,915	240	2,212	118,958	164	1,370	32,390

* 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, 2018-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
12:00am	5	40	2,092	0	0	0	4	40	1,573	4	32	928	35	318	11,947
1:00am	2	16	625	0	0	0	3	30	401	2	16	340	24	222	3,834
2:00am	3	24	477	0	0	0	4	40	248	3	24	270	22	198	2,131
3:00am	3	24	247	0	0	0	3	30	197	2	16	123	23	208	1,255
4:00am	4	32	315	0	0	0	4	40	206	5	40	201	27	242	1,281
5:00am	4	32	488	7	70	408	5	50	422	2	16	173	37	342	3,535
6:00am	10	80	3,042	10	100	1,083	15	150	2,672	7	60	1,847	83	748	15,291
7:00am	11	88	4,199	16	160	2,304	17	170	3,621	13	116	2,414	114	1,022	24,578
8:00am	15	120	5,477	15	150	2,835	16	160	4,485	13	114	2,733	135	1,200	31,457
9:00am	18	144	4,388	20	200	2,070	15	150	2,448	15	136	2,494	138	1,232	23,485
10:00am	14	112	2,949	16	160	1,520	17	170	2,304	11	98	1,952	110	988	17,206
11:00am	14	112	3,230	10	100	1,590	12	120	2,031	11	98	1,936	95	844	17,853
12:00pm	11	88	3,213	11	110	1,925	14	140	2,178	12	108	2,814	98	880	20,767
1:00pm	13	104	4,174	10	100	1,302	16	160	2,806	13	118	3,660	102	912	25,163
2:00pm	14	112	6,160	19	190	2,750	13	130	3,085	11	100	4,281	108	972	34,594
3:00pm	15	120	8,685	12	120	3,593	16	160	4,626	12	106	6,443	106	946	49,788
4:00pm	15	120	11,506	16	160	6,144	22	220	8,632	12	110	8,574	124	1,116	69,725
5:00pm	15	120	17,207	17	170	10,662	25	250	10,187	17	152	16,639	144	1,292	112,910
6:00pm	19	152	17,470	17	170	8,762	16	160	10,339	13	118	14,442	129	1,148	111,156
7:00pm	18	144	11,622	17	170	7,127	15	150	5,538	11	102	7,601	125	1,122	75,042
8:00pm	11	88	7,386	13	130	4,222	13	130	3,143	11	98	6,073	102	914	50,089
9:00pm	11	88	5,816	6	60	1,972	7	70	2,799	11	100	6,259	86	756	39,731
10:00pm	10	80	5,255	0	0	0	5	50	2,330	10	90	5,174	64	552	29,390
11:00pm	6	48	3,275	0	0	0	5	50	1,953	6	52	2,643	45	396	18,045
TOTAL	261	2,088	129,298	232	2,320	60,269	282	2,820	78,224	227	2,020	100,014	2,076	18,570	790,253

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, 2018 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	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	6	60	564	4	40	513	0	0	0	4	40	301	14	140	1,378
1:00am	4	40	196	2	20	147	0	0	0	4	40	202	10	100	545
2:00am	2	20	105	3	30	213	0	0	0	2	20	69	7	70	387
3:00am	3	30	231	2	20	184	0	0	0	3	30	205	8	80	620
4:00am	2	20	387	4	40	1,232	0	0	0	3	30	414	9	90	2,033
5:00am	6	56	2,145	6	56	3,204	6	66	3,687	5	50	2,552	23	228	11,588
6:00am	16	144	8,907	15	138	12,607	15	165	6,134	8	80	5,165	54	527	32,813
7:00am	20	184	19,079	19	176	19,024	22	242	12,422	11	110	9,625	72	712	60,150
8:00am	22	200	26,396	24	222	27,340	17	187	17,976	14	140	18,057	77	749	89,769
9:00am	16	152	13,909	18	168	19,311	18	198	14,274	13	130	12,938	65	648	60,432
10:00am	16	148	8,867	15	138	10,330	13	143	5,439	10	100	6,833	54	529	31,469
11:00am	17	158	5,995	14	128	7,104	13	143	3,898	7	70	3,810	51	499	20,807
12:00pm	19	176	5,339	14	128	5,762	11	121	2,696	8	80	3,281	52	505	17,078
1:00pm	17	158	4,713	14	128	5,801	12	132	2,669	8	80	3,799	51	498	16,982
2:00pm	19	178	5,300	16	148	7,142	13	143	3,094	8	80	3,336	56	549	18,872
3:00pm	19	176	5,822	18	168	8,045	13	143	4,789	8	80	3,632	58	567	22,288
4:00pm	22	202	6,313	21	196	7,740	15	165	5,064	12	120	4,120	70	683	23,237
5:00pm	21	192	7,081	19	176	8,296	23	253	4,111	12	120	4,439	75	741	23,927
6:00pm	19	176	5,195	19	174	6,278	19	209	3,245	12	120	3,049	69	679	17,767
7:00pm	18	168	2,838	17	160	4,228	14	154	1,722	11	110	1,716	60	592	10,504
8:00pm	16	150	1,504	15	140	2,226	15	165	1,398	9	90	1,431	55	545	6,559
9:00pm	17	158	1,549	7	70	1,650	15	165	1,045	7	70	966	46	463	5,210
10:00pm	12	108	1,258	5	50	879	9	99	1,046	5	50	667	31	307	3,850
11:00pm	5	50	390	6	60	954	5	55	665	5	50	484	21	215	2,493
TOTAL	334	3,104	134,083	297	2,774	160,210	268	2,948	95,374	189	1,890	91,091	1,088	10,716	480,758

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, 2018-OUTBOUND

HOURS	60TH STREET TUNNEL			53RD STREET TUNNEL			STEINWAY ST. TUNNEL			63RD STREET TUNNEL			TOTAL		
	VIA LEXINGTON AVE N, R, Q LINES			VIA LEXINGTON AVE E, M LINES			VIA GRAND CENTRAL 7 LINE			VIA 57TH ST/6TH AVE F LINE			QUEENS SECTOR		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	8	76	3,276	5	50	2,744	0	0	0	4	40	1,224	17	166	7,244
1:00am	6	60	1,315	3	30	1,035	0	0	0	4	40	526	13	130	2,876
2:00am	2	20	465	2	20	540	0	0	0	2	20	105	6	60	1,110
3:00am	3	30	315	2	20	174	0	0	0	4	40	168	9	90	657
4:00am	4	40	442	3	30	441	0	0	0	3	30	109	10	100	992
5:00am	3	30	387	5	48	906	3	33	756	3	30	529	14	141	2,578
6:00am	10	92	1,921	9	82	2,427	12	132	2,977	6	60	1,665	37	366	8,990
7:00am	14	128	2,754	16	148	5,207	22	242	3,952	10	100	2,134	62	618	14,047
8:00am	19	180	3,615	20	184	5,106	17	187	4,273	11	110	2,466	67	661	15,460
9:00am	21	192	3,381	21	194	3,220	19	209	3,033	11	110	2,330	72	705	11,964
10:00am	19	176	2,199	19	178	3,334	12	132	1,647	8	80	1,354	58	566	8,534
11:00am	17	158	2,202	14	130	3,421	13	143	1,723	7	70	1,583	51	501	8,929
12:00pm	19	176	2,903	16	146	5,123	11	121	2,662	7	70	1,409	53	513	12,097
1:00pm	18	168	3,183	12	110	4,737	12	132	3,629	10	100	2,774	52	510	14,323
2:00pm	17	158	4,973	16	146	8,086	12	132	4,746	9	90	3,179	54	526	20,984
3:00pm	18	168	7,947	15	138	9,910	15	165	9,110	10	100	4,483	58	571	31,450
4:00pm	21	194	10,727	19	176	15,340	17	187	13,050	12	120	7,267	69	677	46,384
5:00pm	18	168	13,759	19	178	21,795	20	220	18,672	14	140	13,116	71	706	67,342
6:00pm	23	210	17,492	18	166	19,017	18	198	16,778	12	120	11,694	71	694	64,981
7:00pm	18	166	11,005	19	178	15,575	16	176	9,050	11	110	7,872	64	630	43,502
8:00pm	20	184	7,038	19	178	11,787	16	176	7,698	10	100	4,801	65	638	31,324
9:00pm	16	148	6,130	12	114	7,657	15	165	5,911	8	80	3,438	51	507	23,136
10:00pm	15	140	5,834	6	60	4,213	12	132	4,496	8	80	3,221	41	412	17,764
11:00pm	9	84	3,160	7	70	4,284	7	77	3,603	6	60	2,000	29	291	13,047
TOTAL	338	3,146	116,423	297	2,774	156,079	269	2,959	117,766	190	1,900	79,447	1,094	10,779	469,715

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, 2018-INBOUND

HOURS	DOWNTOWN PATH			UPTOWN PATH			TOTAL		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	1	8	81	2	14	46	3	22	127
1:00am	2	16	52	2	14	61	4	30	113
2:00am	2	16	49	1	7	43	3	23	92
3:00am	2	16	94	2	14	80	4	30	174
4:00am	2	16	279	2	14	284	4	30	563
5:00am	4	32	2,020	3	21	1,119	7	53	3,139
6:00am	14	107	5,158	11	77	3,300	25	184	8,458
7:00am	23	176	12,619	20	140	9,211	43	316	21,830
8:00am	25	190	18,953	24	168	17,246	49	358	36,199
9:00am	19	144	8,898	17	119	8,965	36	263	17,863
10:00am	9	67	2,909	12	84	3,497	21	151	6,406
11:00am	9	67	1,943	12	84	2,367	21	151	4,310
12:00pm	9	67	1,615	12	84	1,770	21	151	3,385
1:00pm	9	67	1,454	12	84	1,591	21	151	3,045
2:00pm	9	67	1,385	12	84	1,647	21	151	3,032
3:00pm	12	91	1,539	12	84	1,704	24	175	3,243
4:00pm	18	136	2,326	15	105	2,675	33	241	5,001
5:00pm	24	182	4,057	21	147	4,808	45	329	8,865
6:00pm	19	145	2,736	20	140	3,156	39	285	5,892
7:00pm	12	91	1,205	13	91	1,357	25	182	2,562
8:00pm	11	83	637	12	84	632	23	167	1,269
9:00pm	9	67	482	10	70	428	19	137	910
10:00pm	8	60	324	8	56	267	16	116	591
11:00pm	3	23	122	2	14	119	5	37	241
TOTAL	255	1,934	70,937	257	1,799	66,373	512	3,733	137,310

NEW JERSEY SECTOR, 2018-OUTBOUND

HOURS	DOWNTOWN PATH			UPTOWN PATH			TOTAL		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	1	8	519	2	14	489	3	22	1,008
1:00am	2	16	237	2	14	278	4	30	515
2:00am	2	16	120	1	7	127	3	23	247
3:00am	1	8	69	2	14	68	3	22	137
4:00am	2	16	107	2	14	78	4	30	185
5:00am	3	23	270	1	7	119	4	30	389
6:00am	13	98	843	9	63	696	22	161	1,539
7:00am	22	168	1,954	18	126	2,095	40	294	4,049
8:00am	24	183	3,550	23	161	3,784	47	344	7,334
9:00am	19	145	2,042	20	140	1,776	39	285	3,818
10:00am	10	75	814	12	84	813	22	159	1,627
11:00am	9	67	775	12	84	815	21	151	1,590
12:00pm	9	67	916	12	84	995	21	151	1,911
1:00pm	9	67	1,213	12	84	1,166	21	151	2,379
2:00pm	9	67	1,714	12	84	1,603	21	151	3,317
3:00pm	10	75	3,306	12	84	2,751	22	159	6,057
4:00pm	21	160	7,982	13	91	4,915	34	251	12,897
5:00pm	25	190	15,307	22	154	11,907	47	344	27,214
6:00pm	21	160	11,530	20	140	11,303	41	300	22,833
7:00pm	14	107	6,055	15	105	6,499	29	212	12,554
8:00pm	11	83	3,847	12	84	4,904	23	167	8,751
9:00pm	10	75	2,607	11	77	3,647	21	152	6,254
10:00pm	8	60	1,603	8	56	2,489	16	116	4,092
11:00pm	3	24	836	5	35	1,102	8	59	1,938
TOTAL	258	1,958	68,216	258	1,806	64,419	516	3,764	132,635

SECTION C

SUBURBAN AND INTERCITY RAIL, TRANSIT BY SECTOR

SUMMARY, 2018-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	34	232	6	66	210	4	35	402	15	135	844
1:00am	7	55	80	4	44	110	4	27	638	15	126	828
2:00am	0	0	0	5	54	100	2	17	283	7	71	383
3:00am	0	0	0	3	22	109	0	0	0	3	22	109
4:00am	0	0	0	4	44	600	0	0	0	4	44	600
5:00am	6	41	1,911	3	34	2,360	6	53	1,645	15	128	5,916
6:00am	18	125	7,210	15	152	12,240	11	92	6,006	44	369	25,456
7:00am	37	264	20,782	29	286	24,280	17	145	16,355	83	695	61,417
8:00am	53	416	35,862	37	389	33,600	23	213	25,971	113	1,018	95,433
9:00am	31	222	16,009	21	193	14,227	19	142	12,741	71	557	42,977
10:00am	18	126	5,881	12	118	5,698	14	100	5,101	44	344	16,680
11:00am	13	95	3,545	8	77	2,987	13	90	3,933	34	262	10,465
12:00pm	13	96	2,920	12	109	3,190	11	74	2,678	36	279	8,788
1:00pm	12	87	2,284	11	114	2,690	11	83	3,110	34	284	8,084
2:00pm	11	78	1,937	9	89	2,219	8	63	2,107	28	230	6,263
3:00pm	12	79	2,125	9	93	2,391	11	75	2,705	32	247	7,221
4:00pm	13	99	2,458	10	99	2,881	11	81	3,231	34	279	8,570
5:00pm	16	130	3,322	9	93	2,991	11	90	3,811	36	313	10,124
6:00pm	15	107	3,381	14	124	3,785	10	84	3,469	39	315	10,635
7:00pm	14	100	2,053	11	114	2,036	14	103	2,843	39	317	6,932
8:00pm	9	62	1,029	8	85	1,116	14	93	1,324	31	240	3,469
9:00pm	11	72	946	7	74	890	8	67	1,509	26	213	3,345
10:00pm	7	51	587	10	105	1,143	7	56	868	24	212	2,598
11:00pm	5	32	220	6	70	750	4	30	342	15	132	1,312
TOTAL	326	2,371	114,774	263	2,648	122,603	233	1,813	101,072	822	6,832	338,449

SUMMARY, 2018-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	49	914	5	56	920	5	43	1,090	17	148	2,924
1:00am	1	56	491	6	54	528	2	18	279	9	128	1,298
2:00am	0	0	0	1	12	50	0	0	0	1	12	50
3:00am	0	0	0	4	42	190	2	10	139	6	52	329
4:00am	0	0	0	1	12	80	3	24	145	4	36	225
5:00am	5	37	173	4	44	290	7	56	422	16	137	885
6:00am	14	101	1,071	6	60	832	10	84	1,245	30	245	3,148
7:00am	17	109	2,197	9	85	1,881	15	104	2,451	41	298	6,529
8:00am	13	97	2,056	9	93	1,621	13	102	2,698	35	292	6,375
9:00am	11	87	1,422	7	72	970	13	100	2,086	31	259	4,478
10:00am	12	82	1,183	10	97	1,376	9	65	1,423	31	244	3,982
11:00am	11	76	1,373	12	111	1,425	9	65	1,458	32	252	4,256
12:00pm	11	78	1,634	10	87	2,042	13	86	2,278	34	251	5,954
1:00pm	13	96	2,424	10	104	2,711	7	55	2,143	30	255	7,278
2:00pm	14	102	3,557	10	105	4,912	13	89	3,420	37	296	11,889
3:00pm	20	143	6,181	16	155	9,253	11	89	4,517	47	387	19,951
4:00pm	27	191	11,987	23	227	14,675	17	135	9,662	67	553	36,324
5:00pm	46	342	28,502	35	367	28,093	23	192	21,845	104	901	78,440
6:00pm	35	264	21,723	22	221	20,488	24	192	18,446	81	677	60,657
7:00pm	23	162	10,689	14	145	11,158	10	81	7,275	47	388	29,122
8:00pm	13	99	6,282	10	104	6,177	9	70	5,062	32	273	17,521
9:00pm	13	92	5,055	8	80	4,830	7	60	4,179	28	232	14,064
10:00pm	10	71	2,772	9	92	4,020	8	72	2,533	27	235	9,325
11:00pm	8	53	2,222	9	100	2,360	5	36	872	22	189	5,454
TOTAL	324	2,387	113,908	250	2,525	120,882	235	1,828	95,668	809	6,740	330,458

SECTION C

SUBURBAN AND INTERCITY RAIL TRANSIT BY LINE

60TH STREET SECTOR, 2018-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	55	2	12	35	2	16	142	0	0	0	5	34	232
1:00am	2	16	24	2	16	13	3	23	43	0	0	0	7	55	80
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	2	13	521	2	16	587	2	12	803	0	0	0	6	41	1,911
6:00am	6	42	1,770	7	46	2,741	5	37	2,699	0	0	0	18	125	7,210
7:00am	9	57	4,010	12	92	7,214	15	110	9,468	1	5	90	37	264	20,782
8:00am	15	104	8,133	16	132	11,829	21	175	15,731	1	5	169	53	416	35,862
9:00am	7	46	3,106	11	83	6,085	12	88	6,536	1	5	282	31	222	16,009
10:00am	6	42	1,456	6	44	1,949	6	40	2,476	0	0	0	18	126	5,881
11:00am	3	23	562	4	28	1,048	5	39	1,695	1	5	240	13	95	3,545
12:00pm	3	21	642	4	30	932	4	35	1,186	2	10	160	13	96	2,920
1:00pm	3	21	467	3	22	647	4	34	963	2	10	207	12	87	2,284
2:00pm	3	21	426	3	22	565	4	30	849	1	5	97	11	78	1,937
3:00pm	3	21	425	3	18	597	4	30	896	2	10	207	12	79	2,125
4:00pm	3	23	447	5	40	1,031	5	36	980	0	0	0	13	99	2,458
5:00pm	3	21	500	6	50	1,108	6	54	1,557	1	5	157	16	130	3,322
6:00pm	4	30	563	4	30	1,077	6	42	1,620	1	5	121	15	107	3,381
7:00pm	4	26	245	4	28	688	5	40	1,029	1	6	91	14	100	2,053
8:00pm	2	13	177	4	28	377	3	21	475	0	0	0	9	62	1,029
9:00pm	2	13	167	3	22	239	3	22	351	3	15	189	11	72	946
10:00pm	2	13	173	2	14	181	3	24	233	0	0	0	7	51	587
11:00pm	1	6	36	2	12	73	2	14	111	0	0	0	5	32	220
TOTAL	84	578	23,905	105	785	39,016	120	922	49,843	17	86	2,010	326	2,371	114,774

60TH STREET SECTOR, 2018-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	19	214	2	14	377	2	16	323	0	0	0	7	49	914
1:00am	0	6	52	0	20	201	1	30	238	0	0	0	1	56	491
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	1	6	15	1	8	24	3	23	134	0	0	0	5	37	173
6:00am	4	28	185	6	44	311	4	29	575	0	0	0	14	101	1,071
7:00am	4	26	287	6	41	864	5	32	907	2	10	139	17	109	2,197
8:00am	3	23	232	4	30	591	5	39	1,162	1	5	71	13	97	2,056
9:00am	3	21	229	4	32	562	4	34	631	0	0	0	11	87	1,422
10:00am	3	21	215	3	20	325	4	31	450	2	10	193	12	82	1,183
11:00am	3	21	330	3	20	376	4	30	551	1	5	116	11	76	1,373
12:00pm	3	23	373	4	28	593	4	27	668	0	0	0	11	78	1,634
1:00pm	3	23	478	4	28	720	4	35	986	2	10	240	13	96	2,424
2:00pm	3	19	710	5	40	1,323	4	33	1,384	2	10	140	14	102	3,557
3:00pm	5	34	1,267	7	55	2,140	6	43	2,450	2	11	324	20	143	6,181
4:00pm	7	46	2,749	10	71	3,942	9	69	5,057	1	5	239	27	191	11,987
5:00pm	13	89	6,583	13	107	9,500	19	141	12,225	1	5	194	46	342	28,502
6:00pm	9	57	4,800	12	97	7,115	14	110	9,808	0	0	0	35	264	21,723
7:00pm	6	38	2,138	8	64	4,225	8	55	4,141	1	5	185	23	162	10,689
8:00pm	3	21	897	4	28	2,170	5	45	3,093	1	5	122	13	99	6,282
9:00pm	5	34	1,311	4	28	1,565	4	30	2,179	0	0	0	13	92	5,055
10:00pm	3	23	627	2	12	522	4	31	1,552	1	5	71	10	71	2,772
11:00pm	2	13	466	3	20	872	3	20	884	0	0	0	8	53	2,222
TOTAL	86	591	24,158	105	807	38,318	116	903	49,398	17	86	2,034	324	2,387	113,908

SECTION C

SUBURBAN AND INTERCITY RAIL, TRANSIT BY LINE

QUEENS SECTOR, 2018-INBOUND

HOURS	MTA LIRR			AMTRAK			TOTAL		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	6	66	210	0	0	0	6	66	210
1:00am	4	44	110	0	0	0	4	44	110
2:00am	5	54	100	0	0	0	5	54	100
3:00am	1	12	30	2	10	79	3	22	109
4:00am	4	44	600	0	0	0	4	44	600
5:00am	3	34	2,360	0	0	0	3	34	2,360
6:00am	15	152	12,240	0	0	0	15	152	12,240
7:00am	29	286	24,280	0	0	0	29	286	24,280
8:00am	36	384	33,370	1	5	230	37	389	33,600
9:00am	18	174	13,810	3	19	417	21	193	14,227
10:00am	10	104	5,320	2	14	378	12	118	5,698
11:00am	7	72	2,750	1	5	237	8	77	2,987
12:00pm	9	90	2,550	3	19	640	12	109	3,190
1:00pm	9	100	2,380	2	14	310	11	114	2,690
2:00pm	8	84	2,000	1	5	219	9	89	2,219
3:00pm	8	86	2,040	1	7	351	9	93	2,391
4:00pm	9	94	2,690	1	5	191	10	99	2,881
5:00pm	8	88	2,790	1	5	201	9	93	2,991
6:00pm	9	94	3,060	5	30	725	14	124	3,785
7:00pm	10	108	1,730	1	6	306	11	114	2,036
8:00pm	7	80	920	1	5	196	8	85	1,116
9:00pm	7	74	890	0	0	0	7	74	890
10:00pm	8	88	730	2	17	413	10	105	1,143
11:00pm	6	70	750	0	0	0	6	70	750
TOTAL	236	2,482	117,710	27	166	4,893	263	2,648	122,603

QUEENS SECTOR, 2018-OUTBOUND

HOURS	MTA LIRR			AMTRAK			TOTAL		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	5	56	920	0	0	0	5	56	920
1:00am	4	44	490	2	10	38	6	54	528
2:00am	1	12	50	0	0	0	1	12	50
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	290	0	0	0	4	44	290
6:00am	5	54	650	1	6	182	6	60	832
7:00am	8	80	1,650	1	5	231	9	85	1,881
8:00am	8	86	1,300	1	7	321	9	93	1,621
9:00am	7	72	970	0	0	0	7	72	970
10:00am	8	86	960	2	11	416	10	97	1,376
11:00am	8	88	1,100	4	23	325	12	111	1,425
12:00pm	7	68	1,640	3	19	402	10	87	2,042
1:00pm	8	90	2,420	2	14	291	10	104	2,711
2:00pm	9	100	4,630	1	5	282	10	105	4,912
3:00pm	13	136	8,700	3	19	553	16	155	9,253
4:00pm	22	222	14,390	1	5	285	23	227	14,675
5:00pm	32	348	27,550	3	19	543	35	367	28,093
6:00pm	21	216	20,250	1	5	238	22	221	20,488
7:00pm	13	138	10,920	1	7	238	14	145	11,158
8:00pm	8	90	6,090	2	14	87	10	104	6,177
9:00pm	8	80	4,830	0	0	0	8	80	4,830
10:00pm	9	92	4,020	0	0	0	9	92	4,020
11:00pm	9	100	2,360	0	0	0	9	100	2,360
TOTAL	222	2,356	116,450	28	169	4,432	250	2,525	120,882

SECTION C

SUBURBAN AND INTERCITY RAIL, TRANSIT BY LINE

NEW JERSEY SECTOR, 2018-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	26	179	1	9	223	0	0	0	4	35	402
1:00am	2	17	572	0	0	0	2	10	66	4	27	638
2:00am	2	17	283	0	0	0	0	0	0	2	17	283
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	1,134	2	18	511	0	0	0	6	53	1,645
6:00am	6	53	3,102	4	33	2,676	1	6	228	11	92	6,006
7:00am	12	106	12,154	4	34	4,015	1	5	186	17	145	16,355
8:00am	12	121	15,304	8	75	10,176	3	17	491	23	213	25,971
9:00am	11	88	8,332	4	32	3,373	4	22	1,036	19	142	12,741
10:00am	6	47	2,681	3	26	1,245	5	27	1,175	14	100	5,101
11:00am	3	27	2,001	3	25	973	7	38	959	13	90	3,933
12:00pm	2	18	1,114	2	15	524	7	41	1,040	11	74	2,678
1:00pm	4	38	1,851	2	16	602	5	29	657	11	83	3,110
2:00pm	3	28	1,029	2	16	563	3	19	515	8	63	2,107
3:00pm	3	24	1,386	2	17	423	6	34	896	11	75	2,705
4:00pm	5	43	2,025	2	17	470	4	21	736	11	81	3,231
5:00pm	4	36	2,087	4	35	991	3	19	733	11	90	3,811
6:00pm	6	55	2,185	2	17	724	2	12	560	10	84	3,469
7:00pm	6	51	1,656	3	25	398	5	27	789	14	103	2,843
8:00pm	4	34	509	2	15	144	8	44	671	14	93	1,324
9:00pm	3	27	989	3	28	175	2	12	345	8	67	1,509
10:00pm	4	36	489	1	8	40	2	12	339	7	56	868
11:00pm	1	9	145	2	16	114	1	5	83	4	30	342
TOTAL	106	936	61,207	56	477	28,360	71	400	11,505	233	1,813	101,072

NEW JERSEY SECTOR, 2018-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	26	544	0	0	0	5	43	1,090
1:00am	2	18	279	0	0	0	0	0	0	2	18	279
2:00am	0	0	0	0	0	0	0	0	0	0	0	0
3:00am	0	0	0	0	0	0	2	10	139	2	10	139
4:00am	2	17	113	0	0	0	1	7	32	3	24	145
5:00am	4	34	244	1	9	12	2	13	166	7	56	422
6:00am	6	52	766	3	27	376	1	5	103	10	84	1,245
7:00am	6	51	1,312	3	24	487	6	29	652	15	104	2,451
8:00am	5	44	1,088	4	36	718	4	22	892	13	102	2,698
9:00am	5	47	1,104	3	24	280	5	29	702	13	100	2,086
10:00am	2	18	523	3	23	344	4	24	556	9	65	1,423
11:00am	3	25	714	2	16	262	4	24	482	9	65	1,458
12:00pm	3	25	978	2	17	369	8	44	931	13	86	2,278
1:00pm	3	27	1,254	2	14	509	2	14	380	7	55	2,143
2:00pm	4	37	1,943	2	17	625	7	35	852	13	89	3,420
3:00pm	5	44	2,920	2	18	734	4	27	863	11	89	4,517
4:00pm	8	73	5,242	5	41	3,500	4	21	920	17	135	9,662
5:00pm	14	124	14,533	5	46	6,253	4	22	1,059	23	192	21,845
6:00pm	9	86	9,295	7	61	7,663	8	45	1,488	24	192	18,446
7:00pm	6	50	4,541	3	25	2,272	1	6	462	10	81	7,275
8:00pm	5	39	2,669	3	26	2,216	1	5	177	9	70	5,062
9:00pm	4	36	2,412	2	18	1,363	1	6	404	7	60	4,179
10:00pm	3	28	1,260	3	27	961	2	17	312	8	72	2,533
11:00pm	2	19	653	1	6	162	2	11	57	5	36	872
TOTAL	103	911	54,389	59	501	29,650	73	416	11,629	235	1,828	95,668

SECTION D
AUTO, TAXI, COMMUTER VAN & TRUCK OCCUPANTS BY SECTOR
SUMMARY, 2018-INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	9,657	4,899	2,898	1,833	19,287
1:00am	5,744	3,336	1,707	1,098	11,885
2:00am	4,048	2,453	1,322	1,050	8,873
3:00am	3,848	2,489	1,854	1,237	9,428
4:00am	5,695	4,292	3,351	2,173	15,511
5:00am	12,038	8,934	6,970	6,157	34,099
6:00am	17,837	13,486	9,157	8,212	48,692
7:00am	21,120	13,604	9,336	7,535	51,595
8:00am	22,222	13,367	9,079	7,548	52,216
9:00am	21,038	12,568	9,147	6,830	49,583
10:00am	19,611	11,108	8,375	7,114	46,208
11:00am	18,732	9,639	7,863	5,807	42,041
12:00pm	18,358	9,412	7,742	5,459	40,971
1:00pm	18,270	9,614	7,799	5,111	40,794
2:00pm	18,715	10,110	8,411	5,088	42,324
3:00pm	19,070	9,849	8,491	4,780	42,190
4:00pm	19,908	9,651	8,782	5,092	43,433
5:00pm	20,161	10,332	8,508	4,718	43,719
6:00pm	21,092	9,963	8,749	4,763	44,567
7:00pm	20,747	9,806	7,669	4,509	42,731
8:00pm	20,164	9,514	6,136	3,943	39,757
9:00pm	19,431	9,636	5,593	4,339	38,999
10:00pm	18,860	9,578	5,282	4,165	37,885
11:00pm	15,583	8,217	4,263	3,127	31,190
TOTAL	391,949	215,857	158,484	111,688	877,978

SECTION D
AUTO, TAXI, COMMUTER VAN & TRUCK OCCUPANTS BY SECTOR
SUMMARY, 2018-OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	11,016	9,226	4,847	3,045	28,134
1:00am	6,418	5,499	3,347	2,029	17,293
2:00am	4,624	3,436	2,451	1,267	11,778
3:00am	4,306	2,643	2,033	1,194	10,176
4:00am	5,846	3,075	2,862	1,797	13,580
5:00am	10,230	5,399	4,345	2,602	22,576
6:00am	16,223	8,896	6,003	4,061	35,183
7:00am	20,868	9,876	5,888	4,677	41,309
8:00am	20,849	10,009	5,039	4,333	40,230
9:00am	19,862	9,686	4,729	4,011	38,288
10:00am	19,552	9,978	5,336	4,663	39,529
11:00am	19,057	9,892	5,829	5,221	39,999
12:00pm	19,211	10,141	6,655	5,929	41,936
1:00pm	20,064	10,503	7,180	6,941	44,688
2:00pm	21,668	11,652	7,869	7,866	49,055
3:00pm	22,315	12,290	8,405	8,516	51,526
4:00pm	22,607	14,190	8,800	8,133	53,730
5:00pm	23,365	14,309	8,069	7,196	52,939
6:00pm	24,663	14,224	7,204	6,857	52,948
7:00pm	24,302	13,397	7,812	7,273	52,784
8:00pm	22,059	13,203	8,083	7,098	50,443
9:00pm	21,963	12,779	6,172	7,286	48,200
10:00pm	20,821	12,634	5,773	6,840	46,068
11:00pm	16,776	11,562	5,417	5,292	39,047
TOTAL	418,665	238,499	140,148	124,127	921,439

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
60TH STREET SECTOR, 2018-INBOUND

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	2,297	290	2,274	873	371	857	0	462	965	272	996	9,657
1:00am	1,340	143	1,315	557	177	527	0	271	615	158	641	5,744
2:00am	872	106	1,038	396	97	326	0	182	444	101	486	4,048
3:00am	821	116	1,127	405	81	285	0	140	351	75	447	3,848
4:00am	1,417	188	1,476	536	101	456	0	146	408	109	858	5,695
5:00am	3,637	327	2,205	866	226	935	0	228	673	206	2,735	12,038
6:00am	4,966	543	2,218	1,032	663	1,436	0	564	1,013	427	4,975	17,837
7:00am	5,992	502	2,149	1,300	1,372	1,580	0	950	1,322	766	5,187	21,120
8:00am	6,169	516	2,205	1,282	1,823	1,533	0	1,350	1,638	916	4,790	22,222
9:00am	6,193	505	2,062	1,283	1,672	1,223	0	1,318	1,515	921	4,346	21,038
10:00am	5,871	635	2,122	1,046	1,550	1,153	0	1,160	1,316	821	3,937	19,611
11:00am	5,838	644	2,083	1,103	1,398	957	0	1,053	1,274	859	3,523	18,732
12:00pm	5,871	622	2,239	1,110	1,429	842	0	1,087	1,256	835	3,067	18,358
1:00pm	5,423	702	2,347	1,045	1,352	873	0	980	1,408	891	3,249	18,270
2:00pm	5,415	701	2,413	1,120	1,407	867	0	993	1,489	880	3,430	18,715
3:00pm	5,427	824	2,482	1,093	1,303	885	0	906	1,503	972	3,675	19,070
4:00pm	5,436	976	2,639	1,178	1,334	921	0	906	1,622	910	3,986	19,908
5:00pm	5,719	912	2,445	1,175	1,493	870	0	1,121	1,694	1,000	3,732	20,161
6:00pm	5,648	872	2,630	1,473	1,514	1,175	0	1,026	1,588	1,252	3,914	21,092
7:00pm	5,224	796	2,491	1,528	1,513	1,552	0	1,109	1,535	1,251	3,748	20,747
8:00pm	5,281	851	2,633	1,555	1,521	1,614	0	993	1,567	1,151	2,998	20,164
9:00pm	5,027	760	2,613	1,589	1,441	1,655	0	1,002	1,643	953	2,748	19,431
10:00pm	4,997	622	2,898	1,500	1,337	1,629	0	900	1,587	881	2,509	18,860
11:00pm	3,913	562	2,492	1,336	1,032	1,426	0	798	1,481	683	1,860	15,583
TOTAL	108,794	13,715	52,596	26,381	26,207	25,577	0	19,645	29,907	17,290	71,837	391,949

* 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, 2018-OUTBOUND

HOURS	FDR DRIVE	YORK AVE	FIRST AVE	E. KOCH QUEENS-BORO RAMP	THIRD AVE	PARK AVE	MADISON AVE	SIXTH AVE (C.P. Entrance) *	EIGHT AVE	BROADWAY	AMSTER-DAM AVE	WEST END AVE	WEST SIDE HWY	TOTAL
12:00am	2,159	334	1,340	1,238	1,008	307	1,009	0	551	376	892	168	1,634	11,016
1:00am	1,306	168	722	741	742	135	577	0	294	256	486	98	893	6,418
2:00am	1,005	114	542	607	525	81	354	0	204	186	334	69	603	4,624
3:00am	809	137	502	849	513	64	307	0	165	157	319	58	426	4,306
4:00am	1,196	213	665	1,361	664	105	341	0	209	148	368	114	462	5,846
5:00am	2,606	442	885	2,350	1,004	207	552	0	394	240	645	236	669	10,230
6:00am	4,714	918	1,519	2,139	1,474	545	815	0	582	432	982	568	1,535	16,223
7:00am	5,110	1,236	2,140	1,911	1,768	1,398	1,185	0	957	680	1,274	750	2,459	20,868
8:00am	5,036	1,232	2,073	1,727	1,740	1,590	1,145	0	967	711	1,212	950	2,466	20,849
9:00am	4,763	998	2,126	1,733	1,635	1,400	1,129	0	992	594	1,200	1,142	2,150	19,862
10:00am	4,620	1,062	1,632	1,840	1,486	1,391	1,165	0	1,160	570	1,318	981	2,327	19,552
11:00am	4,545	1,104	1,591	1,771	1,459	1,284	1,141	0	1,068	544	1,282	827	2,441	19,057
12:00pm	4,667	1,125	1,556	1,625	1,571	1,256	1,213	0	1,161	555	958	762	2,762	19,211
1:00pm	4,557	1,118	1,593	1,685	1,590	1,307	1,291	0	1,217	613	1,179	784	3,130	20,064
2:00pm	4,823	1,201	1,621	1,843	1,769	1,517	1,368	0	1,171	626	1,485	768	3,476	21,668
3:00pm	4,776	1,284	1,760	1,936	1,652	1,551	1,385	0	1,201	686	1,624	722	3,738	22,315
4:00pm	4,995	1,086	1,893	2,140	1,556	1,627	1,452	0	1,082	749	1,841	1,150	3,036	22,607
5:00pm	4,793	1,135	2,105	1,983	1,939	1,698	1,595	0	1,258	824	1,836	1,301	2,898	23,365
6:00pm	4,732	1,180	2,164	2,076	2,163	1,778	1,856	0	1,353	950	2,013	1,208	3,190	24,663
7:00pm	4,933	996	1,983	1,841	2,179	1,671	2,191	0	1,552	846	1,692	995	3,423	24,302
8:00pm	4,951	1,016	1,799	1,819	1,939	1,459	1,711	0	1,236	698	1,427	638	3,366	22,059
9:00pm	4,663	949	1,896	1,872	1,958	1,371	1,862	0	1,392	681	1,469	507	3,343	21,963
10:00pm	4,079	784	1,927	2,289	1,663	1,134	1,824	0	1,225	680	1,456	503	3,257	20,821
11:00pm	3,194	663	1,629	1,923	1,421	681	1,541	0	933	564	1,204	323	2,700	16,776
TOTAL	93,032	20,495	37,663	41,299	35,418	25,557	29,009	0	22,324	13,366	28,496	15,622	56,384	418,665

* 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, 2018-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	1,628	1,149	1,990	132	4,899	792	2,106	2,898	804	1,029	1,833	9,630
1:00am	972	810	1,520	34	3,336	284	1,423	1,707	535	563	1,098	6,141
2:00am	723	637	1,063	30	2,453	151	1,171	1,322	467	583	1,050	4,825
3:00am	746	603	1,099	41	2,489	188	1,666	1,854	528	709	1,237	5,580
4:00am	1,431	957	1,773	131	4,292	431	2,920	3,351	860	1,313	2,173	9,816
5:00am	3,016	1,810	3,042	1,066	8,934	1,774	5,196	6,970	2,655	3,502	6,157	22,061
6:00am	4,309	3,009	3,242	2,926	13,486	3,019	6,138	9,157	3,141	5,071	8,212	30,855
7:00am	4,116	3,282	3,098	3,108	13,604	4,111	5,225	9,336	3,728	3,807	7,535	30,475
8:00am	4,213	3,141	2,763	3,250	13,367	4,544	4,535	9,079	3,706	3,842	7,548	29,994
9:00am	3,882	3,089	2,782	2,815	12,568	4,781	4,366	9,147	3,443	3,387	6,830	28,545
10:00am	3,530	2,770	2,565	2,243	11,108	4,011	4,364	8,375	3,388	3,726	7,114	26,597
11:00am	3,012	2,332	2,420	1,875	9,639	3,600	4,263	7,863	2,596	3,211	5,807	23,309
12:00pm	3,071	2,087	2,509	1,745	9,412	3,641	4,101	7,742	2,472	2,987	5,459	22,613
1:00pm	3,269	2,152	2,471	1,722	9,614	3,446	4,353	7,799	2,261	2,850	5,111	22,524
2:00pm	3,548	2,228	2,708	1,626	10,110	3,682	4,729	8,411	2,357	2,731	5,088	23,609
3:00pm	3,387	1,930	2,728	1,804	9,849	3,739	4,752	8,491	2,556	2,224	4,780	23,120
4:00pm	3,483	1,883	2,684	1,601	9,651	4,019	4,763	8,782	3,086	2,006	5,092	23,525
5:00pm	3,909	2,165	2,831	1,427	10,332	3,899	4,609	8,508	3,063	1,655	4,718	23,558
6:00pm	3,530	2,199	2,788	1,446	9,963	3,963	4,786	8,749	2,773	1,990	4,763	23,475
7:00pm	3,464	2,294	2,613	1,435	9,806	3,274	4,395	7,669	2,532	1,977	4,509	21,984
8:00pm	3,578	2,236	2,811	889	9,514	2,103	4,033	6,136	1,973	1,970	3,943	19,593
9:00pm	3,623	2,341	2,929	743	9,636	1,767	3,826	5,593	2,038	2,301	4,339	19,568
10:00pm	3,556	2,370	2,969	683	9,578	1,561	3,721	5,282	2,105	2,060	4,165	19,025
11:00pm	2,853	2,032	2,769	563	8,217	1,189	3,074	4,263	1,268	1,859	3,127	15,607
TOTAL	72,849	49,506	60,167	33,335	215,857	63,969	94,515	158,484	54,335	57,353	111,688	486,029

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
BROOKLYN, QUEENS, and NEW JERSEY SECTORS, 2018-OUTBOUND

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	3,119	1,887	3,741	479	9,226	1,567	3,280	4,847	1,071	1,974	3,045	17,118
1:00am	1,910	1,227	2,200	162	5,499	749	2,598	3,347	853	1,176	2,029	10,875
2:00am	1,195	799	1,346	96	3,436	467	1,984	2,451	608	659	1,267	7,154
3:00am	892	694	979	78	2,643	343	1,690	2,033	620	574	1,194	5,870
4:00am	1,069	783	1,153	70	3,075	687	2,175	2,862	959	838	1,797	7,734
5:00am	2,102	1,270	1,855	172	5,399	1,383	2,962	4,345	1,618	984	2,602	12,346
6:00am	3,436	1,876	3,000	584	8,896	1,976	4,027	6,003	2,464	1,597	4,061	18,960
7:00am	3,839	2,145	2,955	937	9,876	2,093	3,795	5,888	2,820	1,857	4,677	20,441
8:00am	3,778	2,187	2,980	1,064	10,009	1,786	3,253	5,039	2,573	1,760	4,333	19,381
9:00am	3,856	2,084	2,654	1,092	9,686	1,791	2,938	4,729	2,246	1,765	4,011	18,426
10:00am	3,669	2,074	2,953	1,282	9,978	2,157	3,179	5,336	2,245	2,418	4,663	19,977
11:00am	3,572	2,051	3,060	1,209	9,892	2,685	3,144	5,829	2,346	2,875	5,221	20,942
12:00pm	3,545	2,072	3,017	1,507	10,141	3,284	3,371	6,655	2,567	3,362	5,929	22,725
1:00pm	3,358	2,198	2,962	1,985	10,503	3,626	3,554	7,180	2,749	4,192	6,941	24,624
2:00pm	3,580	2,531	3,222	2,319	11,652	4,061	3,808	7,869	2,846	5,020	7,866	27,387
3:00pm	3,506	2,668	3,295	2,821	12,290	4,133	4,272	8,405	2,661	5,855	8,516	29,211
4:00pm	3,805	3,326	3,950	3,109	14,190	4,446	4,354	8,800	2,599	5,534	8,133	31,123
5:00pm	3,807	3,360	3,931	3,211	14,309	4,195	3,874	8,069	2,202	4,994	7,196	29,574
6:00pm	3,885	3,287	3,769	3,283	14,224	3,421	3,783	7,204	2,232	4,625	6,857	28,285
7:00pm	3,712	3,258	3,525	2,902	13,397	3,752	4,060	7,812	2,639	4,634	7,273	28,482
8:00pm	3,943	2,969	3,839	2,452	13,203	3,709	4,374	8,083	2,689	4,409	7,098	28,384
9:00pm	4,103	2,887	4,225	1,564	12,779	2,382	3,790	6,172	2,885	4,401	7,286	26,237
10:00pm	4,121	2,960	4,138	1,415	12,634	2,015	3,758	5,773	2,779	4,061	6,840	25,247
11:00pm	3,898	2,694	4,091	879	11,562	1,832	3,585	5,417	2,257	3,035	5,292	22,271
TOTAL	77,700	53,287	72,840	34,672	238,499	58,540	81,608	140,148	51,528	72,599	124,127	502,774

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

SECTION E

AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY SECTOR, SUMMARY- 2018

INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	7,289	4,076	2,357	1,463	15,185
1:00am	4,342	2,762	1,406	875	9,385
2:00am	3,070	2,031	1,096	838	7,035
3:00am	2,922	2,062	1,539	988	7,511
4:00am	4,345	3,572	2,773	1,737	12,427
5:00am	9,295	7,494	5,680	5,706	28,175
6:00am	14,554	11,372	8,030	6,870	40,826
7:00am	16,737	11,666	7,888	5,793	42,084
8:00am	16,949	11,322	7,404	5,840	41,515
9:00am	16,071	10,595	7,289	5,371	39,326
10:00am	15,046	9,265	6,698	5,568	36,577
11:00am	14,272	8,130	6,311	4,548	33,261
12:00pm	13,756	7,813	6,137	4,270	31,976
1:00pm	13,868	7,986	6,096	4,086	32,036
2:00pm	14,435	8,269	6,523	4,024	33,251
3:00pm	14,813	8,402	6,628	3,649	33,492
4:00pm	15,375	8,198	6,625	3,862	34,060
5:00pm	15,182	8,617	6,532	3,781	34,112
6:00pm	16,037	8,664	6,668	4,092	35,461
7:00pm	16,014	8,524	6,018	3,585	34,141
8:00pm	15,375	7,989	4,947	3,141	31,452
9:00pm	14,798	8,080	4,524	3,460	30,862
10:00pm	14,308	8,023	4,283	3,318	29,932
11:00pm	11,806	6,869	3,464	2,499	24,638
TOTAL	300,659	181,781	126,916	89,364	698,720

OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	8,472	6,810	3,635	2,298	21,215
1:00am	4,930	4,035	2,561	1,551	13,077
2:00am	3,566	2,518	1,888	979	8,951
3:00am	3,324	1,931	1,573	929	7,757
4:00am	4,522	2,245	2,183	1,403	10,353
5:00am	7,914	3,945	3,262	2,064	17,185
6:00am	13,220	6,354	4,081	3,278	26,933
7:00am	16,741	7,123	3,917	3,659	31,440
8:00am	16,439	7,209	3,469	3,341	30,458
9:00am	15,296	6,973	3,347	3,067	28,683
10:00am	14,938	7,328	3,992	3,551	29,809
11:00am	14,612	7,291	4,390	4,033	30,326
12:00pm	14,597	7,516	4,977	4,532	31,622
1:00pm	15,398	8,026	5,459	5,324	34,207
2:00pm	16,502	8,883	5,890	5,758	37,033
3:00pm	16,939	9,799	6,279	6,345	39,362
4:00pm	16,474	10,858	6,544	6,283	40,159
5:00pm	16,830	10,820	5,931	5,562	39,143
6:00pm	17,896	10,670	5,312	5,189	39,067
7:00pm	17,782	10,097	5,689	5,625	39,193
8:00pm	16,791	9,910	5,892	5,384	37,977
9:00pm	16,689	9,501	4,569	5,544	36,303
10:00pm	15,905	9,368	4,306	5,215	34,794
11:00pm	12,853	8,529	4,050	4,050	29,482
TOTAL	318,630	177,739	103,196	94,964	694,529

SECTION E
AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY FACILITY
60TH STREET SECTOR, 2018-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	1,689	259	1,636	740	271	553	0	340	731	189	881	7,289
1:00am	985	128	946	472	129	340	0	199	466	110	567	4,342
2:00am	641	95	747	336	71	210	0	134	336	70	430	3,070
3:00am	604	104	811	343	59	184	0	103	266	52	396	2,922
4:00am	1,042	168	1,062	454	74	294	0	107	309	76	759	4,345
5:00am	2,674	292	1,586	734	165	603	0	168	510	143	2,420	9,295
6:00am	3,973	512	1,680	889	489	907	0	380	862	294	4,568	14,554
7:00am	4,445	466	1,599	1,040	1,111	964	0	686	1,071	539	4,816	16,737
8:00am	4,441	459	1,605	1,006	1,319	885	0	970	1,217	632	4,415	16,949
9:00am	4,392	445	1,561	1,046	1,211	739	0	966	1,120	611	3,980	16,071
10:00am	4,161	552	1,591	903	1,093	726	0	831	959	595	3,635	15,046
11:00am	4,018	574	1,589	924	1,049	620	0	790	939	612	3,157	14,272
12:00pm	4,049	546	1,649	911	1,004	564	0	798	960	594	2,681	13,756
1:00pm	3,879	609	1,691	902	986	601	0	741	1,036	620	2,803	13,868
2:00pm	4,020	650	1,752	979	1,006	590	0	710	1,086	659	2,983	14,435
3:00pm	4,065	702	1,768	1,037	966	601	0	695	1,094	681	3,204	14,813
4:00pm	4,134	827	1,810	1,058	961	608	0	685	1,231	657	3,404	15,375
5:00pm	4,135	835	1,631	1,004	1,026	580	0	825	1,288	695	3,163	15,182
6:00pm	4,231	768	1,727	1,208	1,142	773	0	814	1,262	801	3,311	16,037
7:00pm	4,133	732	1,704	1,284	1,143	1,036	0	836	1,188	837	3,121	16,014
8:00pm	3,883	760	1,894	1,318	1,110	1,041	0	730	1,187	799	2,653	15,375
9:00pm	3,696	679	1,880	1,347	1,052	1,068	0	737	1,245	662	2,432	14,798
10:00pm	3,674	555	2,085	1,271	976	1,051	0	662	1,202	612	2,220	14,308
11:00pm	2,877	502	1,793	1,132	753	920	0	587	1,122	474	1,646	11,806
TOTAL	79,841	12,219	37,797	22,338	19,166	16,458	0	14,494	22,687	12,014	63,645	300,659

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

Note: 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 17, 2018). 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, 2018-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	AMSTER-DAM AVE	WEST END AVE	WEST SIDE HWY	TOTAL
12:00am	1,755	229	1,081	1,023	686	202	696	0	313	285	676	117	1,409	8,472
1:00am	1,062	115	582	612	505	89	398	0	167	194	368	68	770	4,930
2:00am	817	78	437	502	357	53	244	0	116	141	253	48	520	3,566
3:00am	658	94	405	702	349	42	212	0	94	119	242	40	367	3,324
4:00am	972	146	536	1,125	452	69	235	0	119	112	279	79	398	4,522
5:00am	2,119	303	714	1,942	683	136	381	0	224	182	489	164	577	7,914
6:00am	3,932	662	1,245	1,950	1,091	355	706	0	415	309	859	367	1,329	13,220
7:00am	4,241	807	1,754	1,765	1,308	884	1,026	0	616	501	1,067	526	2,246	16,741
8:00am	4,193	830	1,640	1,566	1,252	983	989	0	596	500	1,050	624	2,216	16,439
9:00am	3,730	705	1,675	1,534	1,169	930	912	0	581	421	1,006	760	1,873	15,296
10:00am	3,629	737	1,339	1,577	1,080	915	824	0	655	432	1,056	669	2,025	14,938
11:00am	3,645	763	1,307	1,441	1,066	881	782	0	631	442	990	597	2,067	14,612
12:00pm	3,725	748	1,296	1,316	1,098	889	809	0	638	427	750	590	2,311	14,597
1:00pm	3,905	760	1,312	1,363	1,097	925	855	0	652	475	866	601	2,587	15,398
2:00pm	4,122	809	1,343	1,431	1,163	1,013	891	0	677	473	1,076	543	2,961	16,502
3:00pm	3,977	875	1,459	1,510	1,111	1,011	905	0	667	531	1,169	513	3,211	16,939
4:00pm	3,784	766	1,445	1,663	1,014	1,027	927	0	595	591	1,318	767	2,577	16,474
5:00pm	3,684	758	1,612	1,603	1,169	1,059	979	0	683	648	1,280	903	2,452	16,830
6:00pm	3,898	764	1,737	1,632	1,313	1,148	1,099	0	690	704	1,364	846	2,701	17,896
7:00pm	4,111	767	1,603	1,460	1,315	1,109	1,229	0	777	658	1,151	684	2,918	17,782
8:00pm	4,025	696	1,451	1,503	1,319	960	1,180	0	702	529	1,081	443	2,902	16,791
9:00pm	3,791	650	1,529	1,547	1,332	902	1,284	0	791	516	1,113	352	2,882	16,689
10:00pm	3,316	537	1,554	1,892	1,131	746	1,258	0	696	515	1,103	349	2,808	15,905
11:00pm	2,597	454	1,314	1,589	967	448	1,063	0	530	427	912	224	2,328	12,853
TOTAL	75,688	14,053	30,370	34,248	24,027	16,776	19,884	0	12,625	10,132	21,518	10,874	48,435	318,630

* 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: 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 17, 2018). 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, 2018-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	1,428	927	1,605	116	4,076	587	1,770	2,357	630	833	1,463	7,896
1:00am	853	653	1,226	30	2,762	210	1,196	1,406	419	456	875	5,043
2:00am	634	514	857	26	2,031	112	984	1,096	366	472	838	3,965
3:00am	654	486	886	36	2,062	139	1,400	1,539	414	574	988	4,589
4:00am	1,255	772	1,430	115	3,572	319	2,454	2,773	674	1,063	1,737	8,082
5:00am	2,646	1,460	2,453	935	7,494	1,314	4,366	5,680	2,454	3,252	5,706	18,880
6:00am	3,708	2,364	2,666	2,634	11,372	2,688	5,342	8,030	2,562	4,308	6,870	26,272
7:00am	3,675	2,636	2,537	2,818	11,666	3,356	4,532	7,888	2,667	3,126	5,793	25,347
8:00am	3,570	2,558	2,237	2,957	11,322	3,498	3,906	7,404	2,711	3,129	5,840	24,566
9:00am	3,344	2,509	2,206	2,536	10,595	3,573	3,716	7,289	2,558	2,813	5,371	23,255
10:00am	3,002	2,248	2,042	1,973	9,265	3,000	3,698	6,698	2,521	3,047	5,568	21,531
11:00am	2,743	1,888	1,863	1,636	8,130	2,750	3,561	6,311	1,977	2,571	4,548	18,989
12:00pm	2,629	1,694	1,982	1,508	7,813	2,711	3,426	6,137	1,871	2,399	4,270	18,220
1:00pm	2,828	1,720	1,961	1,477	7,986	2,510	3,586	6,096	1,815	2,271	4,086	18,168
2:00pm	3,038	1,679	2,136	1,416	8,269	2,634	3,889	6,523	1,860	2,164	4,024	18,816
3:00pm	2,940	1,599	2,232	1,631	8,402	2,694	3,934	6,628	2,016	1,633	3,649	18,679
4:00pm	2,977	1,589	2,209	1,423	8,198	2,685	3,940	6,625	2,363	1,499	3,862	18,685
5:00pm	3,282	1,769	2,322	1,244	8,617	2,691	3,841	6,532	2,482	1,299	3,781	18,930
6:00pm	3,340	1,752	2,337	1,235	8,664	2,758	3,910	6,668	2,407	1,685	4,092	19,424
7:00pm	3,240	1,856	2,226	1,202	8,524	2,427	3,591	6,018	1,984	1,601	3,585	18,127
8:00pm	3,139	1,803	2,267	780	7,989	1,558	3,389	4,947	1,546	1,595	3,141	16,077
9:00pm	3,178	1,888	2,362	652	8,080	1,309	3,215	4,524	1,597	1,863	3,460	16,064
10:00pm	3,119	1,911	2,394	599	8,023	1,156	3,127	4,283	1,650	1,668	3,318	15,624
11:00pm	2,503	1,639	2,233	494	6,869	881	2,583	3,464	994	1,505	2,499	12,832
TOTAL	63,725	39,914	48,669	29,473	181,781	47,560	79,356	126,916	42,538	46,826	89,364	398,061

Note: 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 17, 2018). 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, 2018-OUTBOUND

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	2,244	1,275	2,878	413	6,810	1,011	2,624	3,635	908	1,390	2,298	12,743
1:00am	1,374	829	1,692	140	4,035	483	2,078	2,561	723	828	1,551	8,147
2:00am	860	540	1,035	83	2,518	301	1,587	1,888	515	464	979	5,385
3:00am	642	469	753	67	1,931	221	1,352	1,573	525	404	929	4,433
4:00am	769	529	887	60	2,245	443	1,740	2,183	813	590	1,403	5,831
5:00am	1,512	858	1,427	148	3,945	892	2,370	3,262	1,371	693	2,064	9,271
6:00am	2,403	1,280	2,134	537	6,354	1,300	2,781	4,081	2,143	1,135	3,278	13,713
7:00am	2,657	1,495	2,112	859	7,123	1,328	2,589	3,917	2,370	1,289	3,659	14,699
8:00am	2,616	1,505	2,138	950	7,209	1,122	2,347	3,469	2,160	1,181	3,341	14,019
9:00am	2,627	1,405	1,991	950	6,973	1,128	2,219	3,347	1,844	1,223	3,067	13,387
10:00am	2,573	1,378	2,296	1,081	7,328	1,365	2,627	3,992	1,904	1,647	3,551	14,871
11:00am	2,539	1,380	2,365	1,007	7,291	1,785	2,605	4,390	2,000	2,033	4,033	15,714
12:00pm	2,521	1,388	2,372	1,235	7,516	2,108	2,869	4,977	2,194	2,338	4,532	17,025
1:00pm	2,515	1,478	2,383	1,650	8,026	2,387	3,072	5,459	2,374	2,950	5,324	18,809
2:00pm	2,654	1,673	2,596	1,960	8,883	2,695	3,195	5,890	2,400	3,358	5,758	20,531
3:00pm	2,636	1,907	2,828	2,428	9,799	2,737	3,542	6,279	2,219	4,126	6,345	22,423
4:00pm	2,800	2,240	3,081	2,737	10,858	2,800	3,744	6,544	2,193	4,090	6,283	23,685
5:00pm	2,801	2,306	2,985	2,728	10,820	2,708	3,223	5,931	1,860	3,702	5,562	22,313
6:00pm	2,882	2,154	2,866	2,768	10,670	2,175	3,137	5,312	1,845	3,344	5,189	21,171
7:00pm	2,827	2,082	2,701	2,487	10,097	2,369	3,320	5,689	2,250	3,375	5,625	21,411
8:00pm	2,837	2,006	2,953	2,114	9,910	2,393	3,499	5,892	2,279	3,105	5,384	21,186
9:00pm	2,952	1,951	3,250	1,348	9,501	1,537	3,032	4,569	2,445	3,099	5,544	19,614
10:00pm	2,965	2,000	3,183	1,220	9,368	1,300	3,006	4,306	2,355	2,860	5,215	18,889
11:00pm	2,804	1,820	3,147	758	8,529	1,182	2,868	4,050	1,913	2,137	4,050	16,629
TOTAL	56,010	35,948	56,053	29,728	177,739	37,770	65,426	103,196	43,603	51,361	94,964	375,899

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

Note: 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 17, 2018). Thus, there may be some variation in this report and the reports produced by NYC DOT.

SECTION F

FERRY AND TRAMWAY PASSENGERS BY FACILITY

2018-INBOUND

HOURS	BROOKLYN FERRY	QUEENS FERRY	NEW JERSEY FERRY	STATEN ISLAND FERRY (1)	TOTAL FERRIES	ROOSEVEL ISLAND (RI) TRAMWAY	TOTAL FERRIES and RI TRAMWAY
12:00am	0	0	0	138	138	10	148
1:00am	0	0	0	87	87	1	88
2:00am	0	0	0	108	108	0	108
3:00am	0	0	0	107	107	0	107
4:00am	0	0	0	384	384	0	384
5:00am	0	0	194	1,337	1,531	9	1,540
6:00am	0	55	1,754	3,358	5,167	75	5,242
7:00am	107	385	3,859	6,352	10,703	262	10,965
8:00am	473	854	5,898	6,293	13,518	511	14,029
9:00am	282	485	2,703	2,337	5,807	315	6,122
10:00am	165	246	962	2,308	3,681	219	3,900
11:00am	141	214	620	1,822	2,797	205	3,002
12:00pm	72	126	498	2,481	3,177	176	3,353
1:00pm	76	158	399	2,273	2,906	207	3,113
2:00pm	87	99	366	1,928	2,480	202	2,682
3:00pm	98	164	368	2,922	3,552	220	3,772
4:00pm	63	157	506	1,831	2,557	235	2,792
5:00pm	84	180	785	1,879	2,928	298	3,226
6:00pm	99	130	526	1,356	2,111	221	2,332
7:00pm	71	61	241	596	969	183	1,152
8:00pm	10	44	109	604	767	85	852
9:00pm	28	6	52	616	702	36	738
10:00pm	7	1	32	482	522	33	555
11:00pm	0	0	4	229	233	25	258
TOTAL	1,863	3,365	19,876	41,828	66,932	3,528	70,460

2018-OUTBOUND

HOURS	BROOKLYN FERRY	QUEENS FERRY	NEW JERSEY FERRY	STATEN ISLAND FERRY (1)	TOTAL FERRIES	ROOSEVEL ISLAND (RI) TRAMWAY	TOTAL FERRIES and RI TRAMWAY
12:00am	0	0	12	789	801	31	832
1:00am	0	0	0	532	532	12	544
2:00am	0	0	0	269	269	0	269
3:00am	0	0	0	176	176	0	176
4:00am	0	0	0	201	201	0	201
5:00am	0	0	0	271	271	4	275
6:00am	2	11	89	703	805	26	831
7:00am	27	46	274	815	1,162	57	1,219
8:00am	45	143	516	882	1,586	69	1,655
9:00am	47	85	268	669	1,069	140	1,209
10:00am	50	123	211	1,228	1,612	155	1,767
11:00am	53	130	178	1,665	2,026	209	2,235
12:00pm	49	87	240	1,858	2,234	213	2,447
1:00pm	72	115	381	2,180	2,748	177	2,925
2:00pm	97	109	411	2,152	2,769	246	3,015
3:00pm	80	222	898	2,914	4,114	351	4,465
4:00pm	143	355	2,073	4,973	7,544	324	7,868
5:00pm	280	612	3,902	6,178	10,972	420	11,392
6:00pm	243	643	3,711	4,972	9,569	471	10,040
7:00pm	145	295	1,900	3,034	5,374	348	5,722
8:00pm	76	188	603	1,712	2,579	209	2,788
9:00pm	18	46	478	1,691	2,233	173	2,406
10:00pm	0	5	224	1,187	1,416	105	1,521
11:00pm	0	0	95	830	925	58	983
TOTAL	1,427	3,215	16,464	41,881	62,987	3,798	66,785

(1) - Excludes bicyclists

SECTION G
BICYCLE VOLUMES BY SECTOR
SUMMARY, 2018-INBOUND

INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	STATEN ISLAND SECTOR ABOARD FERRY	TOTAL
12:00am	-	44	7	-	51
1:00am	-	18	3	-	21
2:00am	-	16	6	1	23
3:00am	-	7	12	3	22
4:00am	-	32	46	11	89
5:00am	-	84	105	21	210
6:00am	506	238	197	14	955
7:00am	1,188	655	291	49	2,183
8:00am	1,789	1,434	433	38	3,694
9:00am	1,303	1,249	302	23	2,877
10:00am	1,175	545	222	12	1,954
11:00am	1,236	393	131	12	1,772
12:00pm	1,404	317	70	8	1,799
1:00pm	1,300	300	73	15	1,688
2:00pm	1,283	298	91	9	1,681
3:00pm	1,265	360	113	10	1,748
4:00pm	1,349	330	104	21	1,804
5:00pm	1,745	395	125	17	2,282
6:00pm	1,883	382	92	8	2,365
7:00pm	1,709	266	64	10	2,049
8:00pm	1,439	192	39	4	1,674
9:00pm	1,110	133	29	5	1,277
10:00pm	723	103	15	2	843
11:00pm	465	81	26	1	573
TOTAL	22,872	7,872	2,596	294	33,634

OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	STATEN ISLAND SECTOR ABOARD FERRY	TOTAL
12:00am	-	132	72	12	216
1:00am	-	80	39	2	121
2:00am	-	42	18	7	67
3:00am	-	15	13	1	29
4:00am	-	20	8	2	30
5:00am	-	22	17	4	43
6:00am	469	52	36	5	562
7:00am	922	96	65	9	1,092
8:00am	1,073	160	57	11	1,301
9:00am	940	189	42	5	1,176
10:00am	979	188	29	9	1,205
11:00am	1,265	187	41	3	1,496
12:00pm	1,376	158	50	6	1,590
1:00pm	1,329	223	49	5	1,606
2:00pm	1,248	267	81	22	1,618
3:00pm	1,199	337	168	5	1,709
4:00pm	1,334	520	238	41	2,133
5:00pm	1,975	984	309	38	3,306
6:00pm	2,514	1,434	332	45	4,325
7:00pm	2,281	1,028	247	25	3,581
8:00pm	1,495	609	166	16	2,286
9:00pm	1,071	422	173	17	1,683
10:00pm	764	411	171	22	1,368
11:00pm	476	295	194	18	983
TOTAL	22,710	7,871	2,615	330	33,526

SECTION G
BICYCLE VOLUMES BY FACILITY
60TH STREET SECTOR, 2018-INBOUND

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	6	72	-	17	18	-	40	-	39	52	3	24	-	8	2	225	506
7:00am	6	188	-	47	36	-	82	3	86	115	9	121	1	29	1	464	1,188
8:00am	5	376	1	57	52	-	133	1	122	202	6	153	1	34	3	643	1,789
9:00am	5	295	1	61	45	-	125	2	87	118	15	101	2	29	2	415	1,303
10:00am	3	244	1	75	55	-	144	1	106	87	4	117	2	32	2	302	1,175
11:00am	5	180	1	123	78	8	200	1	95	112	11	149	5	41	3	224	1,236
12:00pm	5	154	6	169	118	7	228	2	127	138	11	180	8	43	1	207	1,404
1:00pm	3	152	7	137	92	6	224	3	118	140	23	185	13	45	2	150	1,300
2:00pm	3	161	6	131	78	3	195	1	108	135	11	221	5	50	-	175	1,283
3:00pm	8	209	5	124	57	3	179	1	127	128	4	187	1	61	3	168	1,265
4:00pm	12	230	1	138	43	2	201	2	148	128	9	196	9	62	1	167	1,349
5:00pm	6	278	3	138	81	5	239	1	189	153	13	301	9	67	2	260	1,745
6:00pm	4	351	4	159	145	6	194	6	189	179	3	271	16	69	2	285	1,883
7:00pm	8	302	1	131	138	4	156	7	166	142	1	289	16	51	2	295	1,709
8:00pm	8	312	1	100	101	3	119	1	120	94	5	325	7	50	4	189	1,439
9:00pm	8	199	1	84	79	1	79	1	92	90	2	256	12	50	2	154	1,110
10:00pm	3	118	2	46	34	1	80	1	45	84	1	170	10	35	-	93	723
11:00pm	2	74	-	35	18	1	58	1	45	36	-	105	4	17	-	69	465
TOTAL	100	3,895	41	1,772	1,268	50	2,676	35	2,009	2,133	131	3,351	121	773	32	4,485	22,872

SECTION G
BICYCLE VOLUMES BY LOCATION
60TH STREET SECTOR, 2018-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	74	-	42	1	13	15	-	35	-	-	98	1	9	10	4	167	469
7:00am	166	-	71	-	33	28	3	86	-	3	192	6	29	9	6	290	922
8:00am	244	-	90	1	41	41	3	127	-	2	166	3	39	13	11	292	1,073
9:00am	191	-	77	1	35	40	5	132	1	4	172	1	25	17	9	230	940
10:00am	190	1	137	-	36	91	8	112	-	1	180	1	45	32	10	135	979
11:00am	181	1	210	3	62	167	3	141	1	6	206	8	57	22	18	179	1,265
12:00pm	147	4	213	7	95	150	6	192	3	13	253	13	78	30	16	156	1,376
1:00pm	164	4	204	4	66	160	8	174	2	15	244	22	99	27	14	122	1,329
2:00pm	171	2	158	5	54	89	5	188	2	10	234	25	98	27	14	166	1,248
3:00pm	243	5	127	2	45	91	2	156	1	9	192	15	106	21	13	171	1,199
4:00pm	266	3	117	5	28	86	2	169	4	15	187	18	118	28	21	267	1,334
5:00pm	388	5	149	8	79	137	4	235	7	12	244	16	122	44	22	503	1,975
6:00pm	394	6	169	6	113	201	3	322	6	21	318	25	162	57	23	688	2,514
7:00pm	374	3	169	4	98	210	3	295	5	8	289	30	170	41	18	564	2,281
8:00pm	272	3	119	2	55	116	1	173	2	13	215	43	121	39	15	306	1,495
9:00pm	166	3	103	3	45	75	-	100	1	3	200	44	102	30	13	183	1,071
10:00pm	120	1	71	1	19	41	1	94	2	2	170	31	63	21	5	122	764
11:00pm	72	1	55	2	13	19	1	67	-	4	94	25	30	9	5	79	476
TOTAL	3,823	42	2,281	55	930	1,757	58	2,798	37	141	3,654	327	1,473	477	237	4,620	22,710

SECTION G
BICYCLE VOLUMES BY LOCATION
BROOKLYN, QUEENS, and STATEN ISLAND SECTORS, 2018-INBOUND

HOURS	BROOKLYN				QUEENS	STATEN ISLAND	TOTAL
	WILLIAMSBURG BRIDGE	BROOKLYN BRIDGE	MANHATTAN BRIDGE	BROOKLYN TOTAL	ED KOCH QUEENSBORO BRIDGE	ABOARD FERRY	
12:00am	17	13	14	44	7	0	51
1:00am	8	4	6	18	3	0	21
2:00am	9	4	3	16	6	1	23
3:00am	1	2	4	7	12	3	22
4:00am	17	8	7	32	46	11	89
5:00am	38	20	26	84	105	21	210
6:00am	128	36	74	238	197	14	449
7:00am	303	140	212	655	291	49	995
8:00am	601	281	552	1,434	433	38	1,905
9:00am	516	210	523	1,249	302	23	1,574
10:00am	216	86	243	545	222	12	779
11:00am	147	86	160	393	131	12	536
12:00pm	105	75	137	317	70	8	395
1:00pm	121	62	117	300	73	15	388
2:00pm	126	53	119	298	91	9	398
3:00pm	123	100	137	360	113	10	483
4:00pm	132	57	141	330	104	21	455
5:00pm	145	90	160	395	125	17	537
6:00pm	153	70	159	382	92	8	482
7:00pm	133	28	105	266	64	10	340
8:00pm	106	21	65	192	39	4	235
9:00pm	66	21	46	133	29	5	167
10:00pm	54	13	36	103	15	2	120
11:00pm	42	9	30	81	26	1	108
TOTAL	3,307	1,489	3,076	7,872	2,596	294	10,762

SECTION G
BICYCLE VOLUMES BY LOCATION
BROOKLYN, QUEENS, and STATEN ISLAND SECTORS, 2018-OUTBOUND

HOURS	BROOKLYN				QUEENS	STATEN ISLAND	TOTAL
	WILLIAMSBURG BRIDGE	BROOKLYN BRIDGE	MANHATTAN BRIDGE	BROOKLYN TOTAL	ED KOCH QUEENSBORO BRIDGE	ABOARD FERRY	
12:00am	64	13	55	132	72	12	216
1:00am	40	11	29	80	39	2	121
2:00am	18	6	18	42	18	7	67
3:00am	7	2	6	15	13	1	29
4:00am	10	3	7	20	8	2	30
5:00am	10	5	7	22	17	4	43
6:00am	29	7	16	52	36	5	93
7:00am	43	22	31	96	65	9	170
8:00am	64	32	64	160	57	11	228
9:00am	58	58	73	189	42	5	236
10:00am	48	75	65	188	29	9	226
11:00am	64	66	57	187	41	3	231
12:00pm	40	53	65	158	50	6	214
1:00pm	67	68	88	223	49	5	277
2:00pm	88	62	117	267	81	22	370
3:00pm	140	60	137	337	168	5	510
4:00pm	199	118	203	520	238	41	799
5:00pm	385	190	409	984	309	38	1,331
6:00pm	593	230	611	1,434	332	45	1,811
7:00pm	492	143	393	1,028	247	25	1,300
8:00pm	308	84	217	609	166	16	791
9:00pm	213	50	159	422	173	17	612
10:00pm	220	46	145	411	171	22	604
11:00pm	154	30	111	295	194	18	507
TOTAL	3,354	1,434	3,083	7,871	2,615	330	10,816

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Appendix IV

List of Data Sources - 2018

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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 month. This report would be impossible 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:

- For the Staten Island Ferry - NYCDOT Ferry Division: turnstile
- For private ferry ridership – NYCDOT Ferry Division: passenger counts, fare collection.
- The 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.