



NEW YORK METROPOLITAN TRANSPORTATION COUNCIL



HUB BOUND TRAVEL DATA 2017

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- New York Water Taxi
- NY Waterway
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- Staten Island Ferry

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Hub Bound Travel Data Report 2017 New York Metropolitan Transportation Council

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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 (IRT)
First Avenue
York Avenue
FDR Drive

QUEENS SECTOR

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

NEW JERSEY SECTOR

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

C B D

BROOKLYN SECTOR

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

STATEN ISLAND SECTOR

Staten Island Ferry

CROSSING TYPE

	BRIDGE/ ROAD
	TUNNEL
	FERRY

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

Types of Rapid Transit Rail Abbreviations:

IRT

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

IND

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

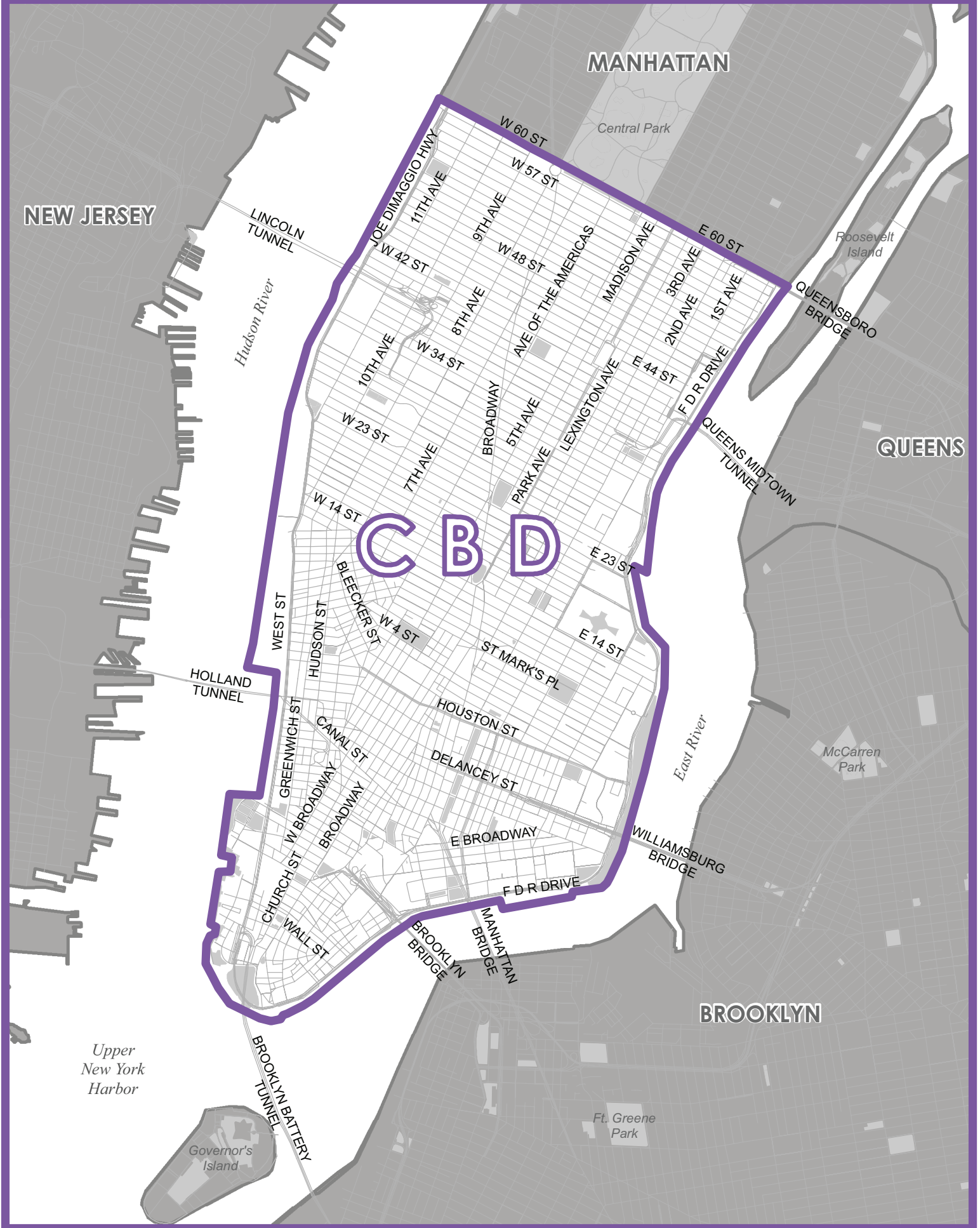
BMT

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

PATH

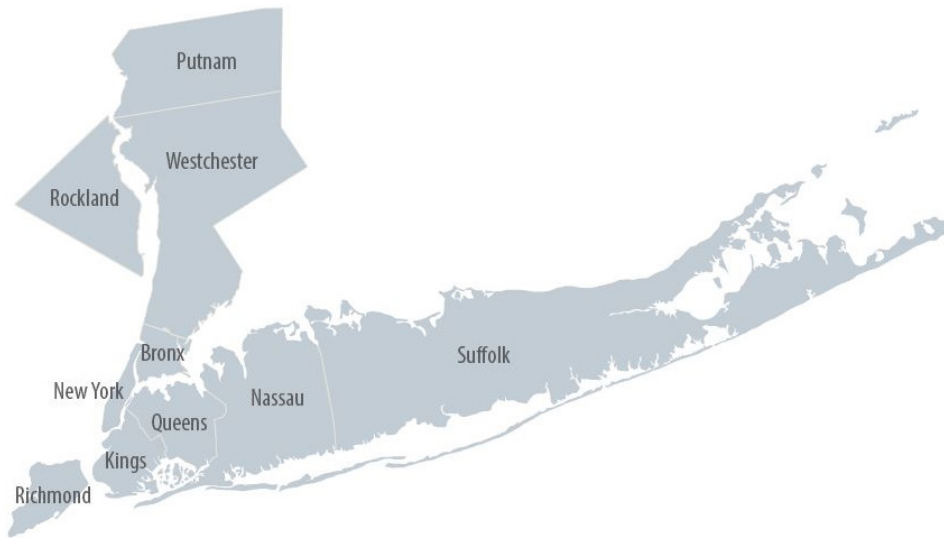
Port Authority Trans-Hudson, abbreviated **PATH**, is a rapid transit system serving Newark, Harrison, Hoboken, and Jersey City in metropolitan northern New Jersey, as well as lower and midtown Manhattan in New York City. The PATH is operated by, and named after, the Port Authority of New York and New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

MANHATTAN CENTRAL BUSINESS DISTRICT MAP



About NYMTC:

The New York Metropolitan Transportation Council (NYMTC) is a regional council of governments that is the metropolitan planning organization for New York City, Long Island and the Lower Hudson Valley. NYMTC provides a collaborative planning forum to address transportation-related issues, develop regional plans and make decisions on the use of federal transportation funds. The NYMTC planning area covers 2,440 square miles and includes a population of 12.4 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 2017 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 18, 2017. 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 2017 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 2017

SECTOR / MODE	Entering	Leaving	Total
60TH STREET			
SUBWAY	848,640	836,924	1,685,564
AUTOS, TAXIS, VANS AND TRUCKS	393,935	417,531	811,466
BUS	29,009	30,756	59,765
SUBURBAN AND INTERCITY RAIL	114,143	112,246	226,389
FERRY	-	-	-
BICYCLE	21,324	21,572	42,896
TOTAL 60TH STREET SECTOR - ALL MODES	1,407,051	1,419,029	2,826,080
BROOKLYN			
SUBWAY	820,326	792,601	1,612,927
AUTOS, TAXIS, VANS AND TRUCKS	219,703	231,190	450,893
BUS	22,298	20,272	42,570
SUBURBAN AND INTERCITY RAIL	-	-	-
FERRY	2,113	1,778	3,891
BICYCLE	8,969	8,965	17,934
TOTAL BROOKLYN SECTOR - ALL MODES	1,073,409	1,054,806	2,128,215
QUEENS (and TRAMWAY)			
SUBWAY	481,023	476,508	957,531
AUTOS, TAXIS, VANS AND TRUCKS	153,360	169,407	322,767
BUS	11,635	8,905	20,540
SUBURBAN AND INTERCITY RAIL	122,108	120,745	242,853
FERRY	3,623	3,227	6,850
BICYCLE	2,890	2,942	5,832
TRAMWAY	2,686	2,830	5,516
TOTAL QUEENS SECTOR - ALL MODES	777,325	784,564	1,561,889
NEW JERSEY			
SUBWAY and PATH	136,898	132,736	269,634
AUTOS, TAXIS, VANS AND TRUCKS	115,008	124,817	239,825
BUS	219,336	215,171	434,507
SUBURBAN AND INTERCITY RAIL	100,102	97,297	197,399
FERRY	19,731	16,170	35,901
BICYCLE	-	-	-
TOTAL NEW JERSEY SECTOR - ALL MODES	591,075	586,191	1,177,266
STATEN ISLAND (via FERRY)			
SUBWAY	-	-	-
AUTOS, TAXIS, VANS AND TRUCKS	-	-	-
BUS	-	-	-
SUBURBAN AND INTERCITY RAIL	-	-	-
FERRY	36,429	42,730	79,159
BICYCLE	319	305	624
TOTAL STATEN ISLAND (via FERRY)	36,748	43,035	79,783
ALL SECTORS			
SUBWAY	2,286,887	2,238,769	4,525,656
AUTOS, TAXIS, VANS AND TRUCKS	882,006	942,945	1,824,951
BUS	282,278	275,104	557,382
SUBURBAN AND INTERCITY RAIL	336,353	330,288	666,641
FERRY	61,896	63,905	125,801
BICYCLE	33,502	33,784	67,286
TRAMWAY	2,686	2,830	5,516
TOTAL ALL SECTORS - ALL MODES	3,885,608	3,887,625	7,773,233

HIGHLIGHTS

1. On a Fall business day in 2017, almost 3.9 million people entered Manhattan's Central Business District, 24.4 thousand or 0.6 percent fewer compared to a Fall business day in 2016.
2. Similar to the 2016 Hub Bound data counts, a total of 7.8 million persons entered and left the Manhattan Central Business District (CBD) on the survey day in 2017.
3. Approximately 37% of persons who entered the CBD did so during the peak period, from 7:00 am to 10:00 am (Table 3, Appendix I).
4. Approximately 5.9 million persons entered and left the CBD using public transportation in 2017 – about 10,000 or 0.2% less than those who used public transportation in 2016 (Table 5 in Appendix I).
5. The total number of people entering and leaving the Hub by autos, taxis, vans and trucks increased by almost 5,000 (to 1.82 million) since 2016 (Table 10, Appendix I).
6. MTA New York City Transit subways carried 82% of all rail passengers entering and leaving the CBD each day. About 51% of the subway passengers travelled during the morning (7:00 am to 10:00 am) and evening (4:00 pm to 7:00 pm) peak periods; the remaining 49% of all subway passengers travelled during the off-peak periods (Table in Appendix III on page III-17 and III-18).
7. About 84% of express bus passengers entering the CBD in 2017 came through Lincoln and Holland tunnels, while 16% of all express bus passengers came from other points of entry (Table 9, Appendix I).
8. About 44% of all private vehicles (autos, taxis, commuter vans and trucks) entering and leaving the CBD in 2017 did so via the 60th Street Sector (all avenues east and west of Central Park and including Central Park Drives). Brooklyn, Queens and New Jersey sectors accounted for about 25%, 18%, and 13% of the total number of private vehicles, respectively (Table 11, Appendix I).
9. Twenty-four percent of travelers crossing the CBD boundaries during the morning peak hours (7:00 am to 10:00 am) traveled counter to the predominant direction of travel. Of these reverse travelers, 61% traveled by subway. Overall morning reverse travel increased by less than 1% since 2016 (Table 12, Appendix I).
10. The heaviest hour for travel into the CBD in 2017 was 8:00 am to 9:00 am, during which time almost 616,000 persons entered the CBD. 65% of these travelers entered the CBD using the subway system while about 9% took private vehicles and almost 16% rode suburban rail (Table 24, Appendix II). The evening peak leaving the city saw about 491,000 persons leave the CBD between 5:00 pm and 6:00 pm; 61% of these travelers rode the subway, 11% took a private vehicle, and almost 16% traveled by regional rail (Table 25, Appendix II).
11. The total number of inbound and outbound ferry passengers was almost 126,000 on a fall business day in 2017. About 63% of these trips originated in Staten Island and 29% in New Jersey. The remaining 8 percent of ferry passengers came from the Brooklyn and Queens sectors (Table in Appendix III on page III-43).
12. Approximately 1% (or over 67,000) of total persons entering and leaving the Hub on a fall business day in 2017 used bicycles. This total increased by 5% since 2016. Most people (64%) entering and leaving the hub on bicycles came from north of 60th St, while 27%, 9% and 1% of all cyclists came from Brooklyn, Queens and Staten Island, respectively (Table in Appendix III 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 the Hub.
- * Almost 2 million people were employed by the CBD in 2017.
- * 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.

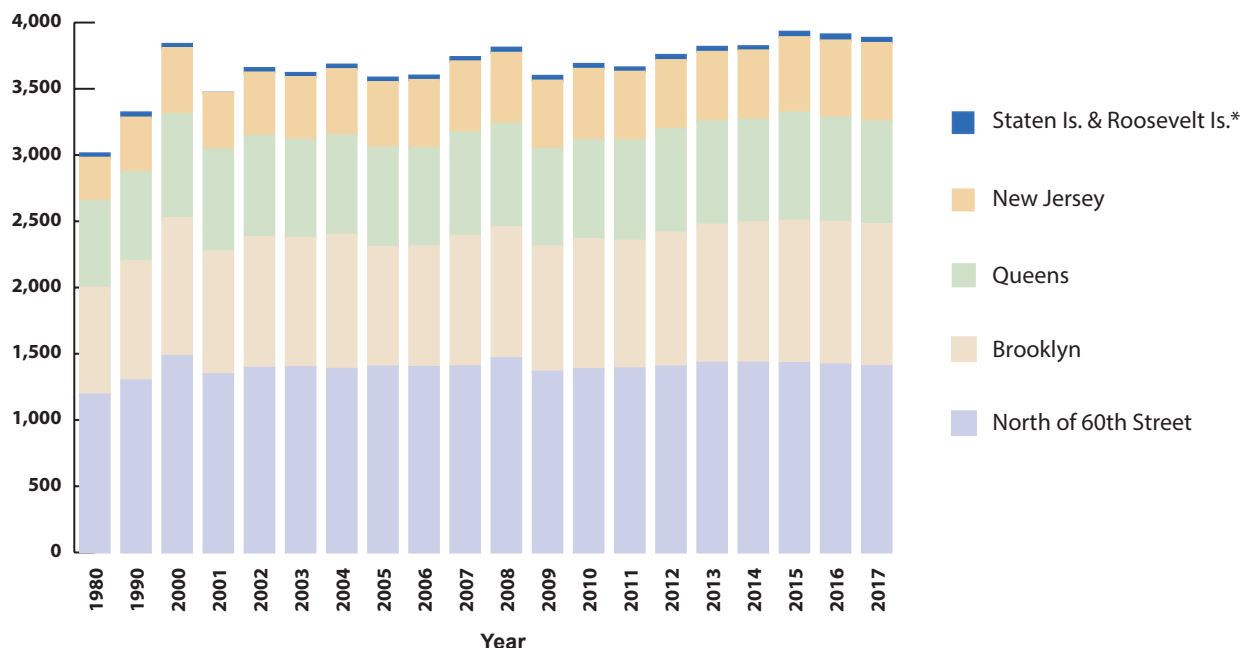
The New Jersey Sector provides access to the CBD via Lincoln and Holland Tunnels for the travelers coming predominantly from New Jersey, from points west of the Hudson River and some from Staten Island.

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

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):

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

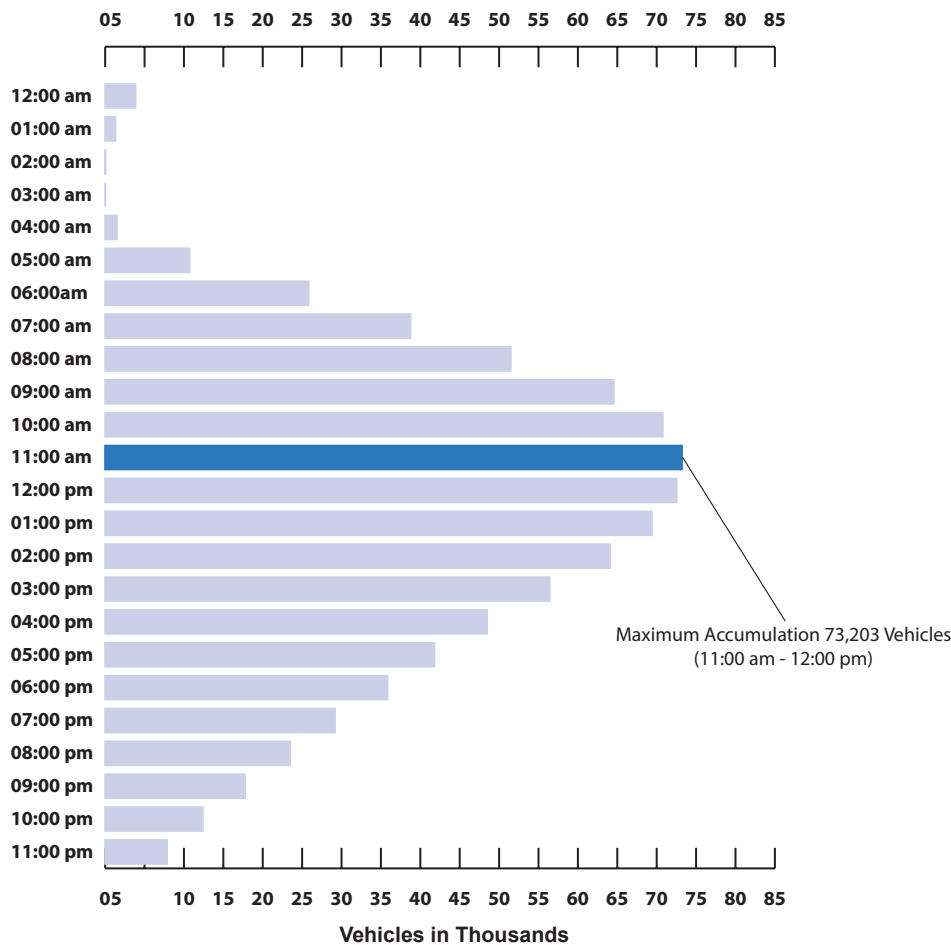
Sector of Entry	Number of Entries
60 th Street	1,407,051
Brooklyn	1,073,409
Queens	777,325
New Jersey	591,075
Staten Island	36,748
Total CBD Entry	3,885,608

This report also tracks the maximum net accumulation of persons in the Hub for all travel modes. This figure declined by 0.2% since 2016 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 2017 was no exception.

The number of people travelling via public transportation increases significantly during morning (7:00 am to 10 am) and evening (4:00 pm to 7:00 pm) peak periods, while the share of auto use remains relatively constant

Maximum accumulation of over 73,000 vehicles occurred between 11:00 am - 12:00 pm in 2017, about 300 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 2017



CHANGES IN HUB-BOUND TRAVEL

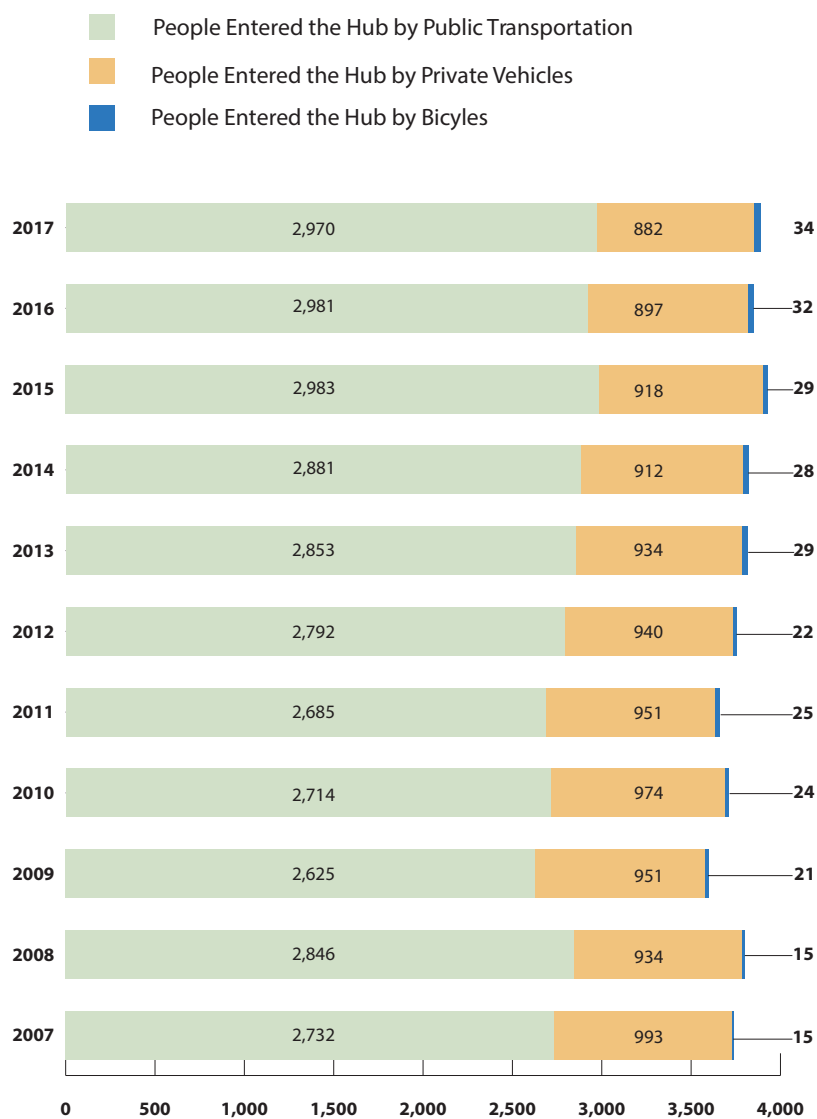
In 2017, 3.89 million people entered the Manhattan Central Business District (CBD) on a typical business day (Table 1A); a decrease of about 0.6% (over 24,000 people) since the 2016 total daily entry.

During the 10-year period between 2007 and 2017, the total number of people entering the CBD increased by almost 4%, to a peak of over 3.93 million in 2015, 3.91 million in 2016, and 3.89 million in 2017 (Table 1A, Appendix I).

PUBLIC TRANSPORTATION

Public transit continues to play a central role in meeting regional travel needs despite minor declines in usage. Trips to the Hub made by all modes of public transportation decreased by 0.4% since 2016. Round trips made by the same modes of public transportation decreased by 0.2% since 2016, but increased by almost 10% during the decade between 2007 and 2017 (Figure 3 and Table 22A, Appendix II).

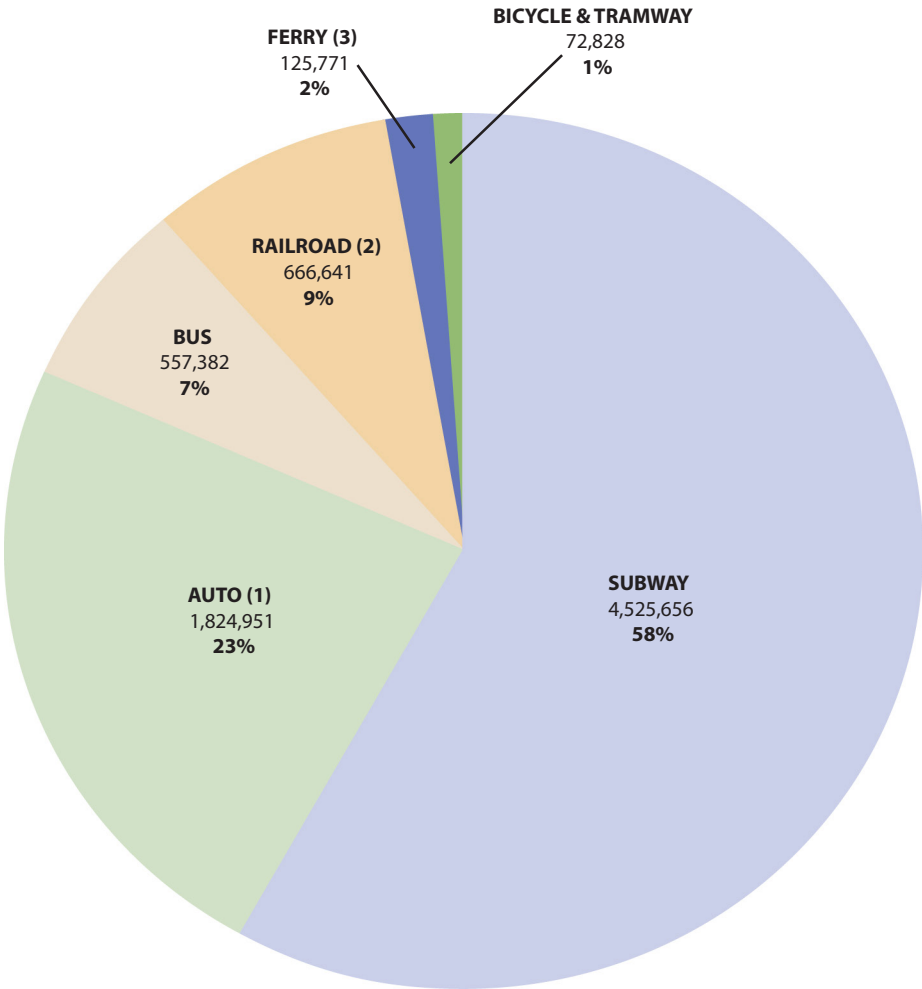
FIGURE 3
**TOTAL NUMBER OF PEOPLE ENTERING THE HUB
ON A FALL BUSINESS DAY
IN THOUSANDS**



Bus ridership increased by 0.3 percent in 2017. The subway transported about 0.3% less passengers (entering and leaving the Hub) than in 2016 (Table 5). Downtown and Uptown PATH carried over 6% more passengers than in 2016. Suburban and intercity rail services carried 0.1% or about 1,000 fewer passengers than a year ago at the

same time (Table 5). The relative amount of subway, railroad, and bus passengers reached 58%, 9%, and 7% relatively of all passengers entering and leaving the Hub in 2017 (Figure 4).

FIGURE 4
TOTAL NUMBER OF PEOPLE ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY, IN 2017
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% in 2017 compared with 2016. Roosevelt Island Tramway ridership decreased substantially by 40% or almost 3,700 persons, daily (Table 5). Approximately 93% of all bus passengers traveled into the Hub by express buses and more than three quarter of all bus passengers commuted from New Jersey (Table 9, Appendix I).

PRIVATE TRANSPORTATION

In 2017, private transportation brought about 24% of all persons into the CBD. This is a decline of about 2% or 15,000 travelers since 2016. The total number of people entering and leaving the Hub by private vehicles increased by 0.3 percent or about 4,700 persons on a typical business day in 2017 compared with 2016. The largest part of this increase (with absolute volume of over 8,600 travelers) came from vehicles crossing to and from the Queens Sector. Only the 60th Street Sector experienced a decrease (1% or about 8,100) in the number of people entering and leaving the Hub in the same time period (Table 10, Appendix I).

There were approximately 67,300 daily bicycle trips to and from the CBD in 2017, about 5% increase since 2016 (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

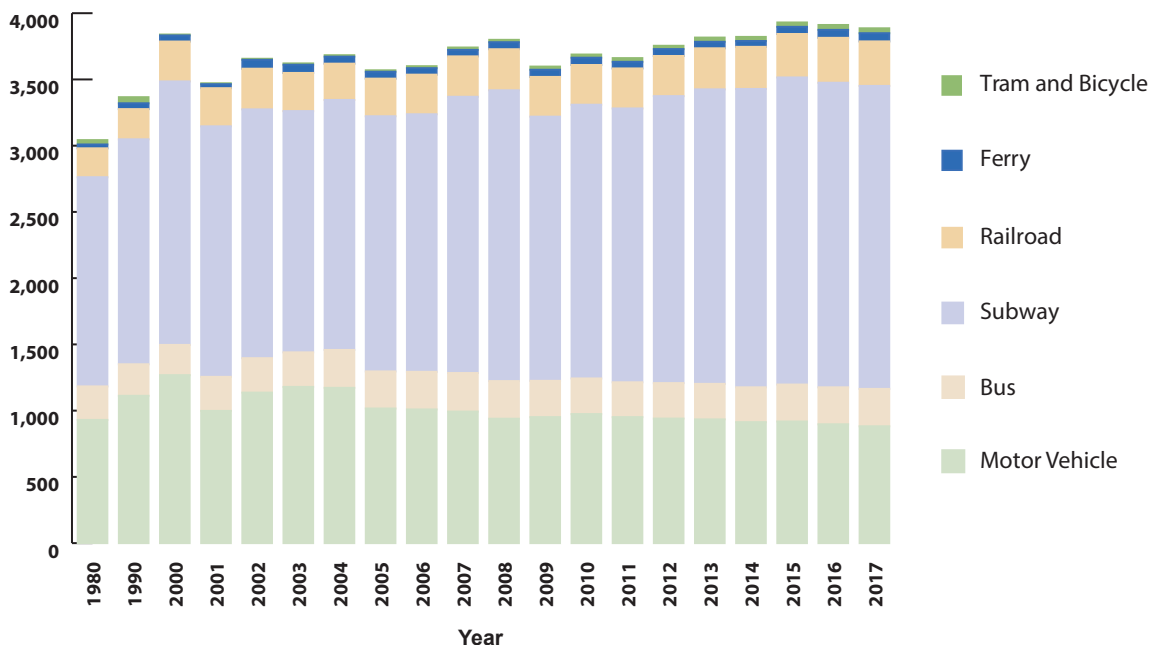
Tramway service is provided by Roosevelt Island Operating Corporation.

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 2017, transporting a daily average of almost 2.3 million passengers into the Hub (0.5% fewer than last year). This number of commuters however increased by almost 10% in a decade period since 2007. In 2017, the subway system transported 12,000 fewer passengers entering and leaving the Hub compared with 2016 (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 2017, buses brought over 282,000 passengers daily into the Hub. Bus riders from New Jersey riding on express buses accounted for 78% (or about 220,000) of all bus passengers entering the Hub on a typical business day in 2017.

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 85% of Queens Sector bus commuters are also express bus passengers. Conversely, only 38% of all bus passengers entering the Hub via the 60th Street Sector are express bus commuters, with the remaining 62% 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 over 336,000 passengers into the CBD on the survey date, a total of about 11% of all public transit passengers. That is a 9% share of all persons entering the Hub daily. In 2017, though this mode experienced a decrease in ridership of about 2,300 passengers (due to a 5% decline of New Jersey Sector commuters using this mode), 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 approximately 37,000 inbound passengers in 2017, a decrease of about 11 percent since 2016. At the same time, the total of all private ferry passengers entering the Hub increased by 35% or about 6,600 persons, due to the introduction of new ferry routes.

Roosevelt Island Tramway reported a decrease in inbound passengers of about 2,700 persons or 41% compared with 2016 (Figures 6–7 and Table on page III-43).

FIGURE 6

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

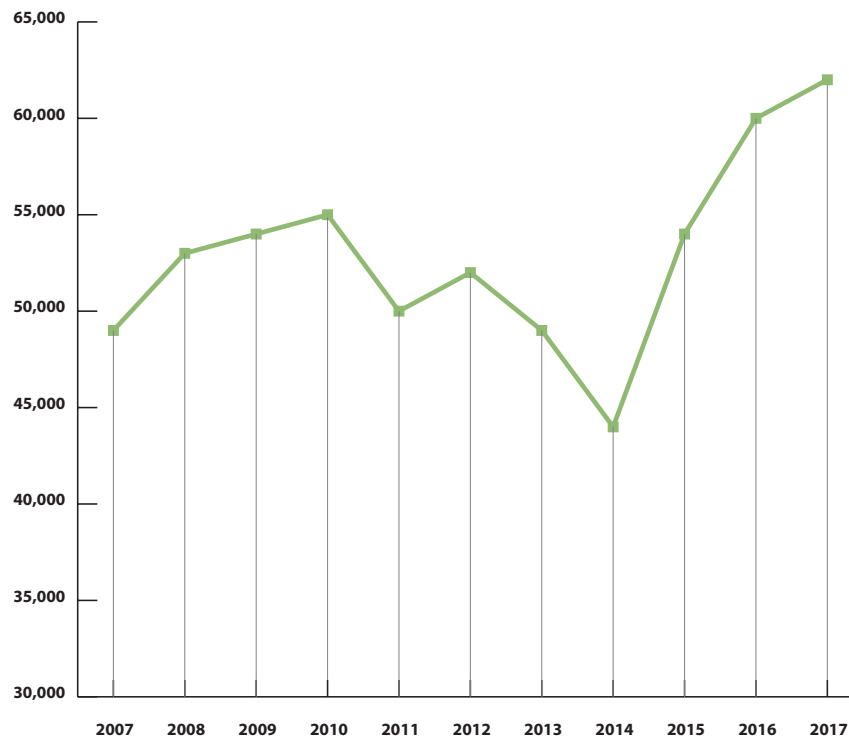
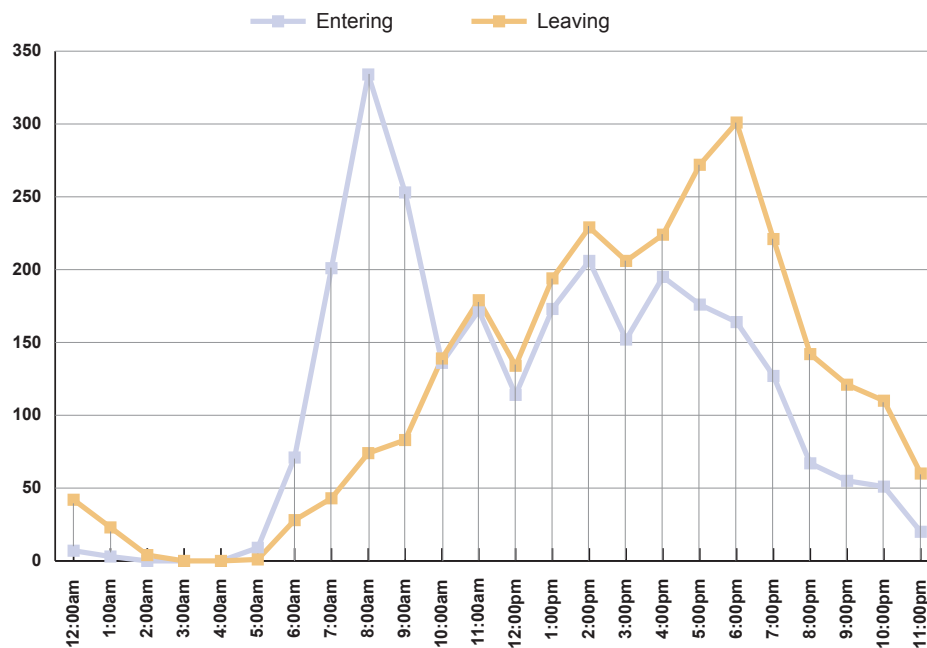


FIGURE 7

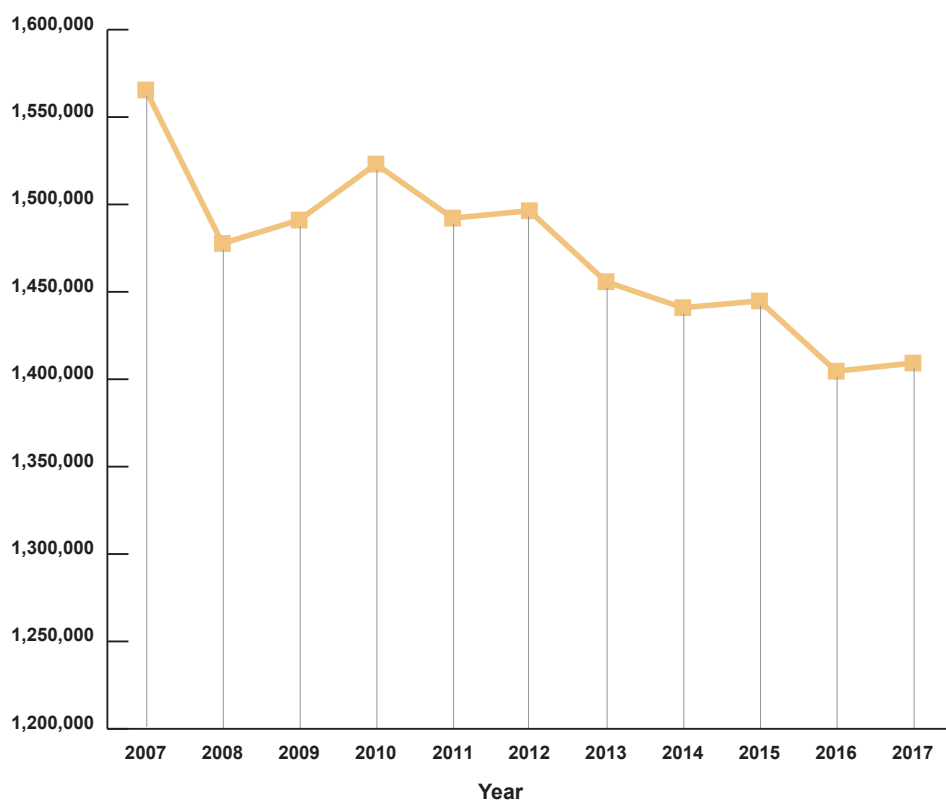
**TOTAL NUMBER OF THE ROOSEVELT ISLAND TRAMWAY COMUTERS
ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY, IN 2017
BY HOUR**



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 2017, 882,000 persons entered the Hub using private motor vehicles. This represents a decrease of over 15,000 or about 2% passengers compared with 2016. The most significant decline (over 18,000 or almost 5%) in the number of motor vehicle riders was observed in the 60th Street sector. Correspondingly, the share of travelers arriving from Queens by private vehicles dropped by 2% or 3,400 riders of this mode in 2017. At the same time, Brooklyn and New Jersey sectors experienced an increase of about 2% in private motor vehicle riders entering the Hub on a typical business day in 2017 (Figure 8; Figure 13, page 19 and Table 14 C, Appendix II).

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

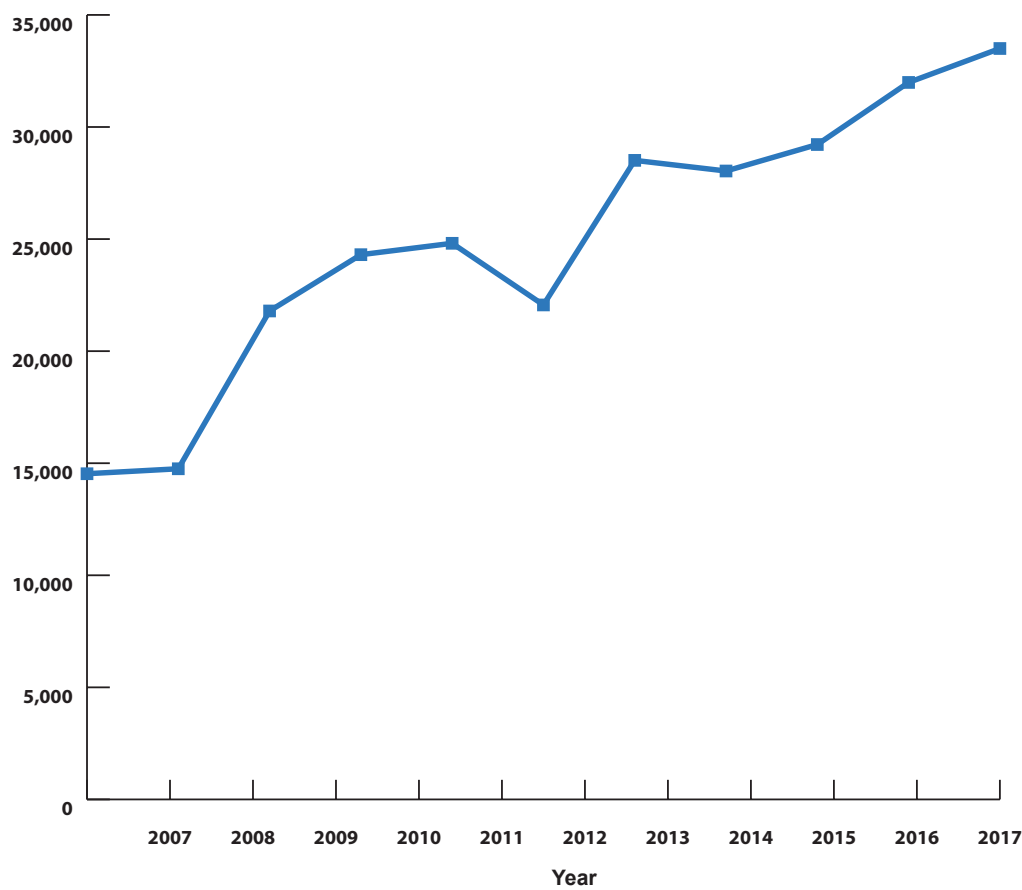


F. Bicycle

In 2017, survey data provided by the New York City Department of Transportation showed approximately 33,500 bicyclists entering the Hub on a typical fall business day. This shows an increase of nearly 1,500 riders from 2016. The most active entry point to the Hub is the 60th Street Sector, generating over 21,000 riders

or 64% of all bicyclists entering the Hub daily in 2017. Approximately 9,000 bicyclists crossed the Brooklyn, Manhattan, and Williamsburg bridges from Brooklyn, while around 2,900 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).

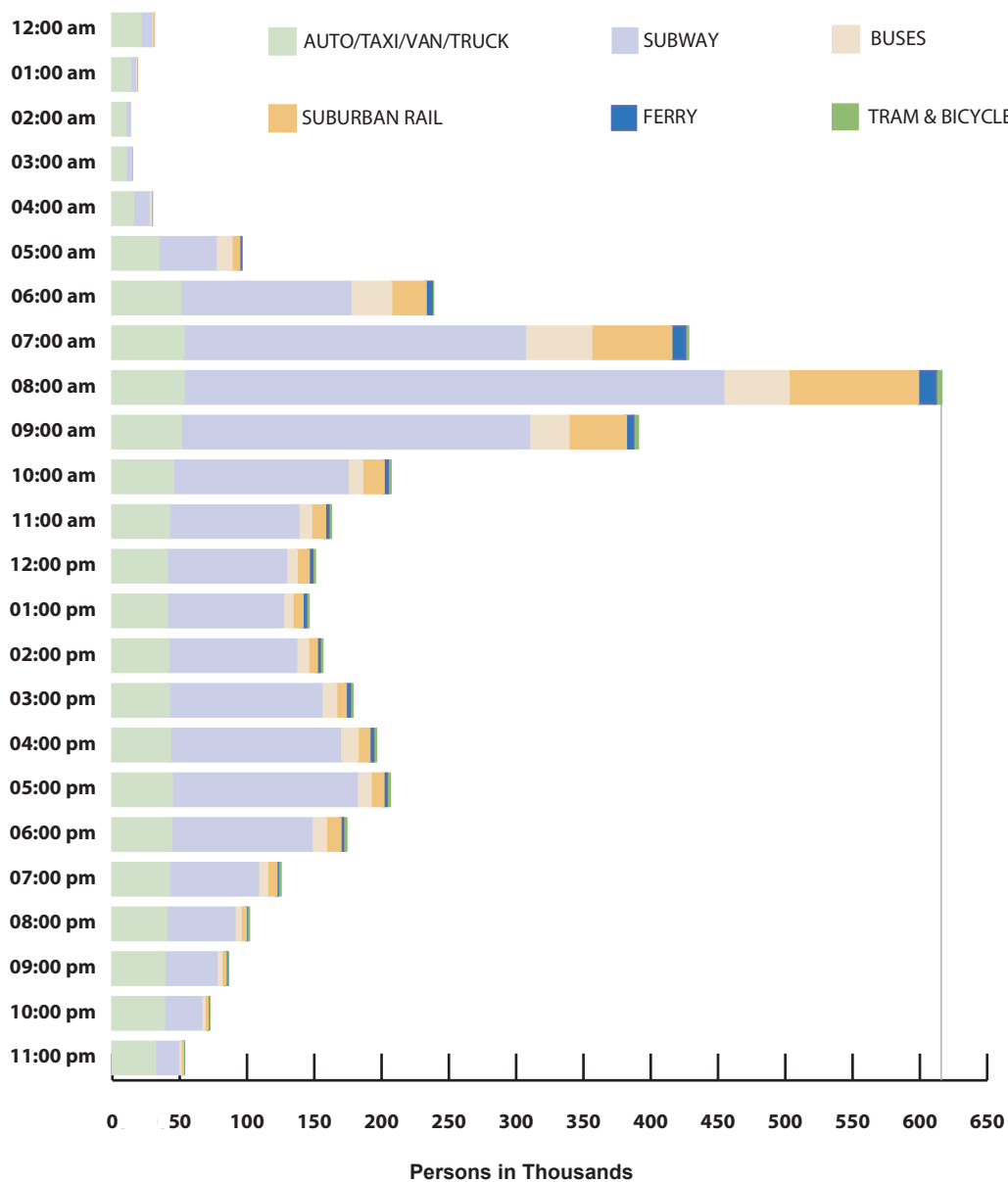
FIGURE 9
BICYCLISTS ENTERING THE HUB
ON A FALL BUSINESS DAY
BY YEAR



TIME OF ENTRY

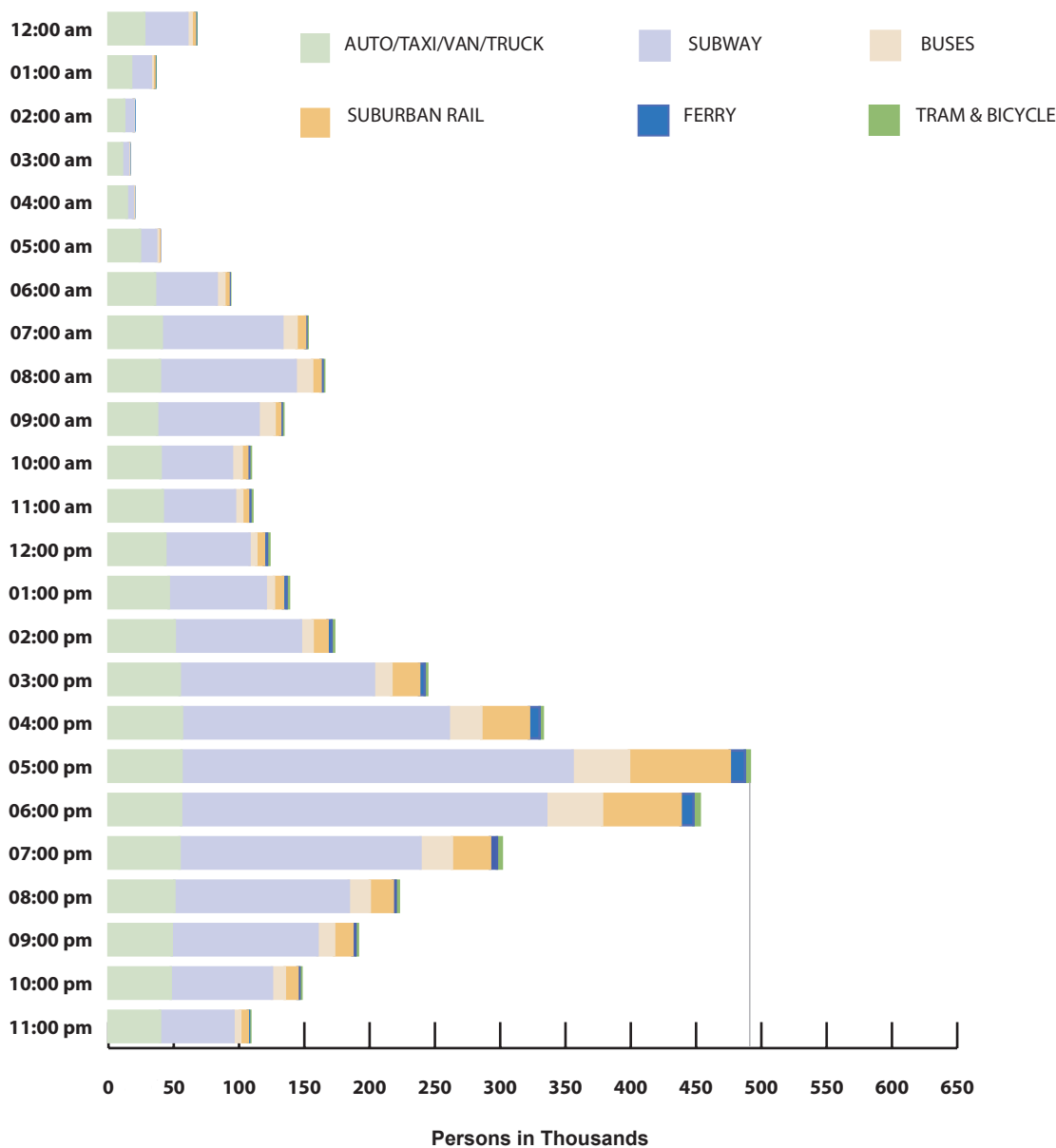
The total number of persons entering the CBD in 2017 during the morning peak hour of 8:00 am to 9:00 am was about 616,000; and during the morning peak period of 7:00 am to 10 am was about 1,434,000. This represented 16% and 37% of the total daily volume, respectively (Figure 10 and Tables 14A-14B, Appendix II).

FIGURE 10
**TOTAL NUMBER OF PEOPLE ENTERING THE HUB
ON A FALL BUSINESS DAY, IN 2017**
BY HOUR, BY MODE



The peak afternoon hour of 5:00 pm to 6:00 pm recorded over 491,000 people leaving the Hub while the peak period of 4:00 pm to 7:00 pm recorded about 1,277,000 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 2017
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 (Figures 12 and Table 23A, Appendix II).

FIGURE 12
PRIVATE VEHICLES ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY, IN 2017
BY HOUR

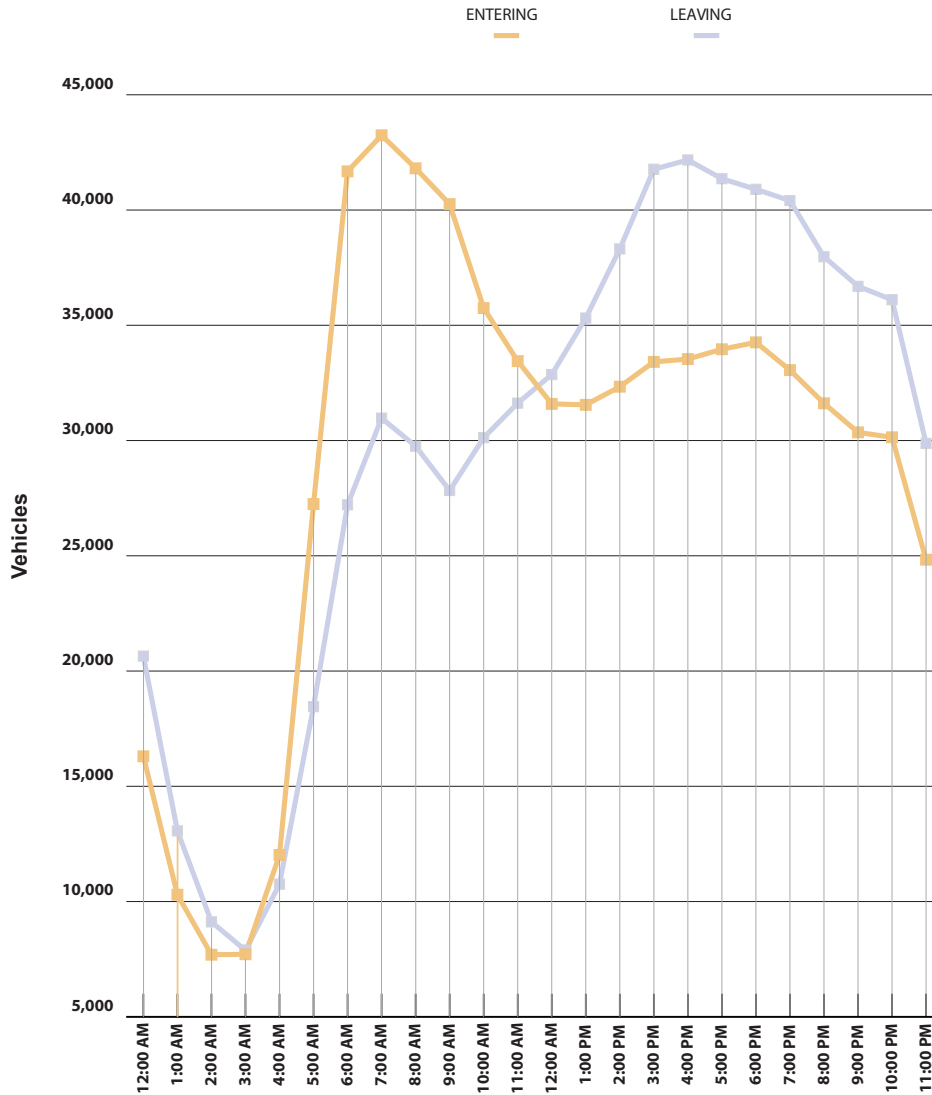
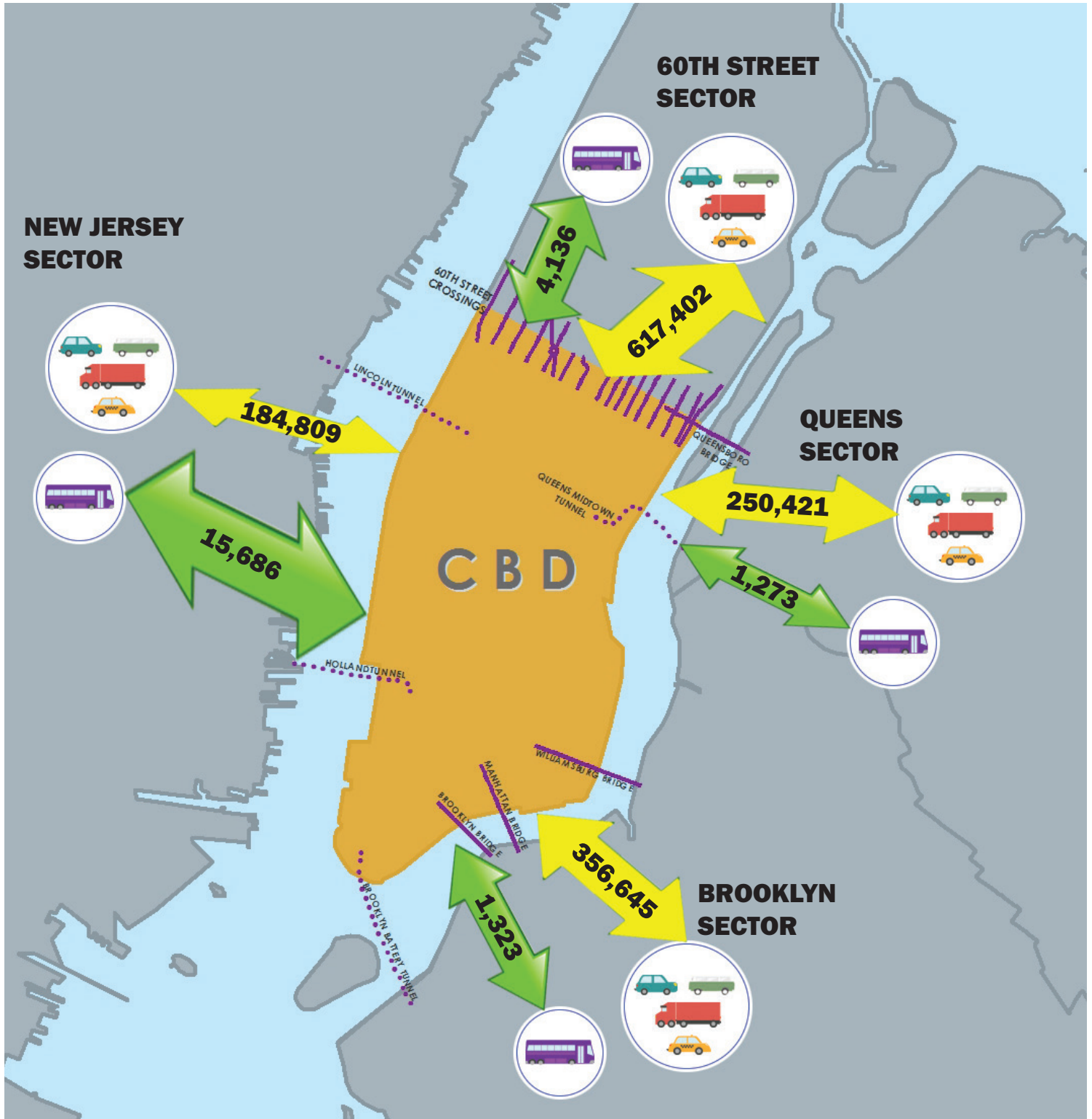


FIGURE 13
TOTAL BUSES AND PRIVATE VEHICLES
ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY, IN 2017



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Appendix I

Time Series Tables - 2017

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

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

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%

* 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

* NYMTC Estimate: based on Traffic Analysis Zones (TAZ) forecast data – interpolated to year 2016.

- 2011-2017 Employment data have been revised due to some changes in estimate's methodology and therefore it 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	12:00pm

* NYMTC Estimate

- 2011-2017 CBD Residents data have been revised due to some changes in estimate's methodology and therefore it 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, 2010-2017

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

(1) - The B51 serves the Manhattan bridge and B39 serves 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, 2010-2017

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

(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 Tunnel closure

TABLE 5 (continued)
TOTAL PUBLIC TRANSIT PASSENGERS AND BICYCLISTS
ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY, 2010-2017

	2010	2011	2012	2013	2014	2015	2016	2017
SUBWAY PASSENGERS								
NEW JERSEY SECTOR								
PATH DOWNTOWN	106,131	105,804	108,402	104,578	98,179	109,785	122,884	132,208
PATH UPTOWN	126,033	123,861	122,821	126,941	124,721	135,752	130,859	137,426
SECTOR TOTAL	232,164	229,665	231,223	231,519	222,900	245,537	253,743	269,634
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
SUBURBAN RAIL PASSENGERS								
AMTRAK & MTA METRO-NORTH RR	203,561	210,491	212,203	212,920	215,376	221,466	222,545	226,389
AMTRAK & MTA LIRR	226,428	226,093	227,522	230,974	235,797	238,956	242,343	242,853
AMTRAK & NJ TRANSIT	166,830	158,287	164,098	172,646	181,752	194,377	200,805	197,399
TOTAL RAIL PASSENGERS	596,819	594,871	603,823	616,540	632,925	654,799	665,693	666,641
FERRY PASSENGERS								
MANHATTAN & UPSTATE	-	-	-	-	-	-	-	-
BROOKLYN	300	1,670	1,904	313	147	468	1,538	3,891
QUEENS	55	109	704	702	-	948	1,261	6,850
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)
NEW JERSEY	36,042	36,008	30,279	29,239	29,069	34,887	35,836	35,901
TOTAL FERRY PASSENGRS	110,425	101,816	105,592	97,553	87,727	108,759	122,751	125,801
ROOSEVELT ISLAND TRAMWAY	(2)	6,174	6,759	7,080	5,561	7,680	9,205	5,516
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
BICYCLE	48,557	49,470 (4)	43,608 (4)	56,787 (4)	55,360 (4)	58,448 (4)	64,078 (4)	67,286 (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 excludes number of Bicyclists on Staten Island Ferry

(4) - Total includes Staten Island Ferry Bicyclists

TABLE 6
TOTAL RAIL TRAINS ENTERING AND LEAVING THE HUB
ON A FALL BUSINESS DAY (2013-2017)

SECTOR AND FACILITY	2013			2014			2015			2016			2017		
	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
LEXINGTON AVE EXPRESS	69	64	491	69	64	491	58	54	452	67	63	478	61	57	525
LEXINGTON AVE LOCAL	56	51	465	56	51	465	53	47	437	54	46	439	44	45	450
EIGHTH AVE EXPRESS	49	46	470	47	46	462	49	48	479	46	46	472	49	47	467
EIGHTH AVE LOCAL	38	36	357	38	36	352	37	35	350	34	36	347	38	36	345
B'WAY/7TH AV EXPRESS	59	55	465	59	55	465	56	49	464	56	52	476	58	51	419
B'WAY/7TH AV LOCAL	44	40	397	44	40	397	41	38	349	42	40	387	41	39	382
AMTRAK/METRO-NORTH	123	108	404	121	109	414	121	108	413	121	108	413	121	108	413
SECTOR TOTAL	438	400	3,049	434	401	3,046	415	379	2,944	420	391	3,012	436	405	3,288
BROOKLYN SECTOR															
14TH STREET TUNNEL	48	42	386	48	42	394	48	42	388	48	22	390	51	43	410
WILLIAMSBURG BRIDGE	45	44	398	43	44	396	46	46	381	46	44	403	43	40	391
RUTGERS ST. TUNNEL	34	34	311	34	34	311	32	34	307	33	29	310	33	32	306
MANHATTAN BRIDGE	97	90	811	92	90	756	96	95	797	98	93	759	97	96	824
CRANBERRY ST. TUNNEL	57	54	417	54	54	412	58	53	412	51	55	412	59	53	406
CLARK ST. TUNNEL	50	48	469	50	48	469	47	45	429	48	47	479	46	50	420
MONTAGUE ST. TUNNEL	(2)	(2)	(2)	23	26	229	24	25	211	23	24	230	24	26	249
JORALEMON ST. TUNNEL	61	61	479	60	61	483	56	54	439	56	59	477	56	57	526
SECTOR TOTAL	392	373	3,271	404	399	3,450	407	394	3,364	403	373	3,460	409	397	3,532
QUEENS SECTOR															
60TH STREET TUNNEL	62	57	570	62	57	563	63	60	586	64	65	582	59	63	501
53RD STREET TUNNEL	62	60	494	61	59	487	61	60	471	60	58	500	60	59	467
STEINWAY ST. TUNNEL	68	78	444	71	63	473	65	60	476	67	59	479	67	57	478
63RD STREET TUNNEL	39	39	301	39	39	301	39	39	304	37	37	301	40	37	292
AMTRAK/LIRR TUNNEL	86	79	331	86	80	331	86	80	332	86	80	332	86	80	331
SECTOR TOTAL	317	313	2,140	319	298	2,155	314	299	2,169	314	299	2,194	312	296	2,069
NEW JERSEY SECTOR															
PATH DOWNTOWN TUNNEL	63	65	368	67	67	377	67	67	378	67	67	380	67	67	378
PATH UPTOWN TUNNEL	60	58	395	60	58	396	61	55	403	61	55	399	61	55	399
AMTRAK/NJ TRANSIT TUNNELS	62	59	318	62	60	319	62	60	317	62	60	333	62	60	333
SECTOR TOTAL	185	182	1,081	189	185	1,092	190	182	1,098	190	182	1,112	190	182	1,110
GRAND TOTAL	1,332	1,268	9,541	1,346	1,283	9,743	1,326	1,254	9,575	1,327	1,245	9,778	1,347	1,280	9,999
SUBTOTAL, NYCT	938	899	7,725	950	909	7,906	929	884	7,732	930	875	7,921	950	910	8,145

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.

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

TABLE 7
NUMBER OF RAIL CARS ON SUBWAY AND COMMUTER RAIL TRAINS
ENTERING AND LEAVING THE HUB
ON A FALL BUSINESS DAY (2013-2017)

SECTOR AND FACILITY	2013			2014			2015			2016			2017		
	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
LEXINGTON AVE EXPRESS	690	640	4,910	690	640	4,910	580	540	4,520	670	630	4,780	610	570	5,250
LEXINGTON AVE LOCAL	560	510	4,650	560	510	4,650	530	470	4,370	540	460	4,390	440	450	4,500
EIGHT AVE EXPRESS	392	368	3,760	376	368	3,696	392	384	3,832	368	368	3,776	392	376	3,736
EIGHT AVE LOCAL	304	288	2,856	304	288	2,816	296	280	2,800	272	288	2,776	304	288	2,760
B'WAY/7TH AV EXPRESS	590	550	4,650	590	550	4,650	560	490	4,640	560	520	4,760	580	510	4,190
B'WAY/7TH AV LOCAL	440	400	3,970	440	400	3,970	410	380	3,490	420	400	3,870	410	390	3,820
AMTRAK/METRO-NORTH	911	792	2,978	920	822	3,113	915	808	3,071	910	803	3,071	906	803	3,034
SECTOR TOTAL	3,887	3,548	27,774	3,880	3,578	27,805	3,683	3,352	26,723	3,740	3,469	27,423	3,642	3,387	27,290
BROOKLYN SECTOR															
14TH STREET TUNNEL	384	336	3,088	384	336	3,152	384	336	3,104	384	176	3,120	408	344	3,280
WILLIAMSBURG BRIDGE	360	352	3,184	344	352	3,168	368	368	3,048	368	352	3,224	344	320	3,128
RUTGERS ST. TUNNEL	340	340	3,110	340	340	3,110	320	340	3,070	330	290	3,100	330	320	3,060
MANHATTAN BRIDGE	872	810	7,362	826	810	6,824	862	856	7,212	882	838	6,852	870	868	7,504
CRANBERRY ST. TUNNEL	456	432	3,336	432	432	3,296	464	424	3,296	408	440	3,296	472	424	3,248
CLARK ST. TUNNEL	500	480	4,690	500	480	4,690	470	450	4,290	480	470	4,790	460	500	4,200
MONTAGUE ST. TUNNEL	(2)	(2)	(2)	184	208	1,918	192	200	1,728	184	192	1,922	192	208	2,034
JORALEMON ST. TUNNEL	610	610	4,790	600	610	4,830	560	540	4,390	560	590	4,770	560	570	5,260
SECTOR TOTAL	3,522	3,360	29,560	3,610	3,568	30,988	3,620	3,514	30,138	3,596	3,348	31,074	3,636	3,554	31,714
QUEENS SECTOR															
60TH STREEL TUNNEL	576	528	5,330	576	528	5,262	584	552	5,474	592	600	5,438	548	582	4,622
53RD STREET TUNNEL	574	556	4,592	564	546	4,522	562	556	4,416	556	538	4,632	552	546	4,368
STEINWAY ST. TUNNEL	748	858	4,884	781	693	5,203	715	660	5,236	737	649	5,269	737	627	5,258
63RD STREET TUNNEL	390	390	3,010	390	390	3,010	390	390	3,040	370	370	3,010	400	370	2,920
AMTRAK/LIRR TUNNEL	859	817	3,350	863	823	3,376	861	821	3,381	864	822	3,401	860	818	3,371
SECTOR TOTAL	3,147	3,149	21,166	3,174	2,980	21,373	3,112	2,979	21,547	3,119	2,979	21,750	3,097	2,943	20,539
NEW JERSEY SECTOR															
PATH DOWNTOWN TUNNEL	504	520	2,944	510	510	2,857	536	536	3,024	536	536	3,040	536	536	3,024
PATH UPTOWN TUNNEL	420	406	2,765	420	406	2,758	427	385	2,821	427	385	2,793	427	385	2,793
AMTRAK/NJ TRANSIT TUNNELS	513	504	2,533	511	511	2,510	528	515	2,507	528	517	2,607	529	516	2,618
SECTOR TOTAL	1,437	1,430	8,242	1,441	1,427	8,125	1,491	1,436	8,352	1,491	1,438	8,440	1,492	1,437	8,435
GRAND TOTAL	11,993	11,487	86,742	12,105	11,553	88,291	11,906	11,281	86,760	11,946	11,234	88,687	11,867	11,321	87,978
TOTAL, NYCTA	8,786	8,448	72,172	8,881	8,481	73,677	8,639	8,216	71,956	8,681	8,171	73,775	8,609	8,263	73,138

(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.

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

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 (2007-2017)
(in square feet)

MODE / YEAR	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
60TH STREET SECTOR											
SUBWAY-EXPRESS	4.8	4.5	5.3	4.9	5.7	5.1	4.5	4.4	4.0	3.9	4.3
SUBWAY-LOCAL	5.6	5.7	7.0	6.3	6.3	5.9	4.9	4.9	5.1	5.1	5.2
SUBURBAN RAIL	7.2	7.1	7.3	7.1	7.1	7.3	7.2	7.3	7.2	7.3	7.0
BUS	9.8	11.8	11.3	11.0	9.2	9.5	10.9	11.6	13.0	14.0	15.2
SECTOR AVERAGE	5.7	5.6	6.5	5.9	6.3	6.0	5.3	5.4	5.2	5.2	5.4
BROOKLYN SECTOR											
SUBWAY	5.6	5.6	5.4	5.5	5.7	5.6	5.2	5.3	5.3	5.2	5.4
BUS	7.8	8.8	8.5	7.2	7.8	8.0	8.6	9.3	8.9	9.0	9.5
SECTOR AVERAGE	5.7	5.8	5.5	5.6	5.8	5.7	5.4	5.4	5.4	5.4	5.5
QUEENS SECTOR											
SUBWAY	5.0	5.3	6.0	6.2	5.9	5.9	5.3	5.5	5.1	5.1	5.1
SUBURBAN RAIL	6.5	6.5	6.9	6.9	7.0	7.1	7.0	7.0	6.9	6.9	7.0
BUS	8.9	10.3	10.7	10.6	9.7	9.8	10.7	11.8	12.3	15.7	12.7
SECTOR AVERAGE	5.5	5.8	6.4	6.5	6.3	6.3	6.0	6.1	5.8	5.8	5.8
NEW JERSEY SECTOR											
SUBWAY	4.3	4.3	4.9	4.8	4.9	4.9	4.6	4.7	4.4	4.1	3.8
SUBURBAN RAIL	6.5	7.0	6.9	7.5	6.3	6.2	5.8	5.4	5.6	4.5	5.4
BUS	9.2	9.2	9.2	9.2	9.1	9.1	9.1	9.1	8.2	8.3	8.3
SECTOR AVERAGE	6.9	7.0	7.3	7.3	7.0	7.0	6.8	6.6	6.3	5.8	5.9
STATEN ISLAND FERRY	17.7	12.8	12.7	12.8	14.9	13.7	13.7	14.5	12.7	14.6	12.8
ROOSEVELT ISLAND TRAMWAY (2)	4.1	4.2	4.3	-	4.1	3.0	2.6	3.5	3.1	2.7	6.2
ALL TRANSIT MODES	5.9	6.0	6.4	6.2	6.3	6.2	5.7	5.8	5.7	5.6	5.7

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

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

TABLE 9
EXPRESS AND LOCAL BUSES AND BUS PASSENGERS ENTERING THE HUB
ON A FALL BUSINESS DAY (2007-2017)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
BUS PASSENGERS											
EXPRESS BUS											
NEW YORK CITY	50,990	52,911	43,841	46,857	48,281	46,764	48,062	45,889	43,118	41,745	42,848
WEST OF HUDSON	186,838	190,979	190,548	193,768	187,382	191,074	191,988	192,349	214,609	215,478	219,336
NORTH OF NYC	1,404	1,092	1,038	424	305	257	354	272	252	241	260
TOTAL EXPRESS BUS	239,232	244,982	235,427	241,049	235,968	238,095	240,404	238,510	257,979	257,464	262,444
LOCAL BUS	51,664	39,102	38,339	27,614	27,138	29,809	27,832	24,161	20,975	21,229	19,834
TOTAL BUS PASSENGERS	290,896	284,084	273,766	268,663	263,106	267,904	268,236	262,671	278,954	278,693	282,278
NUMBER OF BUSES											
EXPRESS BUS											
NEW YORK CITY	1,733	2,038	1,671	1,678	1,603	1,598	1,659	1,645	1,617	1,597	1,604
WEST OF HUDSON	7,529	7,627	7,687	7,838	7,664	7,654	7,588	7,698	7,728	7,754	7,967
NORTH OF NYC	84	104	92	34	26	12	12	12	12	11	11
TOTAL EXPRESS BUS	9,346	9,769	9,450	9,550	9,293	9,264	9,259	9,355	9,357	9,362	9,582
LOCAL BUS	2,530	2,290	2,389	1,872	1,799	1,783	1,791	1,759	1,728	1,782	1,803
TOTAL BUSES	11,876	12,059	11,839	11,422	11,092	11,047	11,050	11,114	11,085	11,144	11,385

TABLE 10
TOTAL PERSONS ENTERING AND LEAVING THE HUB BY AUTO, TAXI, VAN AND TRUCK
ON A FALL BUSINESS DAY (2007-2017)

VEHICLE OCCUPANTS / LOCATION	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
60TH STREET SECTOR											
EAST OF CENTRAL PARK											
FDR DRIVE	200,860	188,080	191,120	195,320	189,231	196,913	195,423	191,309	187,021	192,664	192,149
YORK AVENUE	46,082	43,955	45,159	45,796	45,235	45,436	44,227	42,477	42,909	30,726	30,448
SECOND AND FIRST AVENUES	114,985	110,593	113,193	104,044	110,739	94,929	101,793	105,217	98,916	88,794	98,573
QUEENSBORO BRIDGE RAMP	41,472	39,265	42,088	43,470	45,194	42,625	40,162	39,033	39,984	42,738	39,821
LEXINGTON AND THIRD AVENUES	79,543	75,900	79,201	76,017	75,792	74,994	68,538	67,055	62,575	63,911	61,795
PARK AVENUE	63,508	60,417	59,752	61,661	63,233	58,884	58,915	56,929	52,978	49,594	48,965
FIFTH AND MADISON AVENUES	76,002	74,404	74,272	79,140	77,917	78,596	71,815	68,590	68,710	69,745	56,484
SUBTOTAL	622,452	592,615	604,785	605,448	607,341	592,377	580,873	570,610	553,093	538,172	528,235
CENTRAL PARK DRIVES	14,926	13,622	13,036	13,302	12,988	12,699	11,438	10,285	11,501	7,971	7,584
WEST OF CENTRAL PARK											
EIGHTH AVE./CENTRAL PARK WEST *	26,134	25,462	25,310	27,141	27,717	25,715	25,909	24,641	24,581	22,836	23,186
BROADWAY	42,415	41,369	38,068	42,609	43,877	42,753	41,352	39,691	38,746	35,562	38,454
COLUMBUS AND AMSTERDAM AVE.	65,804	65,823	67,047	65,337	71,203	62,423	62,331	52,454	55,872	52,190	53,383
WEST END AVENUE	36,700	35,457	35,592	34,991	36,227	35,970	34,582	33,035	32,513	29,814	30,479
WEST SIDE HIGHWAY	141,300	131,664	133,185	134,233	127,418	126,406	127,869	130,798	130,334	132,990	130,145
SUBTOTAL	312,353	299,775	299,202	304,311	306,442	293,267	292,043	280,619	282,046	273,392	275,647
SECTOR TOTAL	949,731	906,012	917,023	923,061	926,771	898,343	884,354	861,514	846,640	819,535	811,466
BROOKLYN SECTOR											
WILLIAMSBURG BRIDGE	139,723	134,976	136,911	140,873	131,280	142,822	146,517	141,418	133,361	133,941	133,698
MANHATTAN BRIDGE	99,788	96,103	98,074	101,963	116,178	121,500	118,250	113,982	118,636	115,102	108,897
BROOKLYN BRIDGE	165,751	156,084	157,799	156,005	133,844	126,798	129,723	126,865	129,227	133,399	145,130
HUGH L. CAREY TUNNEL	63,068	49,293	57,879	62,142	57,484	61,069	61,362	61,509	64,050	65,036	63,168
SECTOR TOTAL	468,330	436,456	450,663	460,983	438,786	452,189	455,852	443,774	445,274	447,478	450,893
QUEENS SECTOR											
QUEENS MIDTOWN TUNNEL	126,458	120,133	123,794	126,930	125,129	131,390	127,136	122,316	127,551	108,118	118,366
ED KOCH QUEENSBORO BRIDGE	219,237	213,179	217,752	215,219	221,920	215,734	207,920	211,164	211,117	206,019	204,401
SECTOR TOTAL	345,696	333,312	341,546	342,149	347,049	347,124	335,056	333,480	338,668	314,137	322,767
NEW JERSEY SECTOR											
HOLLAND TUNNEL	119,016	110,113	109,834	117,204	105,854	110,387	105,697	102,579	106,165	104,959	102,949
LINCOLN TUNNEL	151,391	136,940	117,907	137,517	124,271	139,893	133,508	132,058	142,484	134,184	136,876
SECTOR TOTAL	270,407	247,053	227,741	254,721	230,125	250,280	239,205	234,637	248,649	239,143	239,825
TOTAL, ALL FACILITIES	2,034,163	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

* 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.

TABLE 11
MOTOR VEHICLES (AUTOS, TAXIS, VANS, & TRUCKS)
ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY (2007-2017)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
EAST OF CENTRAL PARK											
FDR DRIVE	154,252	144,425	146,660	149,789	145,149	151,111	150,087	146,976	143,495	147,824	147,470
YORK AVENUE	36,268	34,560	35,473	35,883	35,656	35,819	34,276	32,708	32,940	24,429	23,390
SECOND AND FIRST AVENUES	86,933	83,584	85,394	77,900	83,584	72,127	76,723	79,161	74,267	66,341	74,201
ED KOCH QUEENSBORO BRIDGE RAMP	34,439	32,645	34,937	36,093	37,528	35,409	33,357	32,367	33,149	35,408	33,049
LEXINGTON AND THIRD AVENUES	59,311	56,583	59,010	56,808	56,719	56,261	51,562	50,375	47,037	47,866	46,379
PARK AVENUE	44,024	41,905	41,377	42,723	43,697	40,721	40,735	39,370	36,517	34,334	33,927
FIFTH AND MADISON AVENUES	50,399	49,350	49,192	52,390	51,638	52,204	47,542	45,444	45,569	46,251	37,677
SUBTOTAL	465,626	443,052	452,043	451,586	453,971	443,652	434,282	426,401	412,974	402,453	396,093
CENTRAL PARK DRIVES	8,156	7,420	7,301	7,417	7,248	6,946	6,376	5,750	6,399	4,452	4,244
WEST OF CENTRAL PARK											
CENTRAL PARK WEST	14,774	14,371	14,302	15,330	15,660	14,517	14,608	13,915	13,839	12,926	13,096
BROADWAY	31,624	30,800	28,462	31,795	32,706	31,885	30,847	29,600	28,927	26,550	28,731
COLUMBUS AND AMSTERDAM AVES.	49,800	49,822	50,707	49,447	53,847	47,261	47,098	39,700	42,229	39,487	40,430
WEST END AVENUE	25,514	24,644	24,750	24,337	25,203	25,009	24,056	22,980	22,611	20,725	21,182
WEST SIDE HIGHWAY	123,231	114,848	116,285	117,143	111,227	110,341	111,560	114,186	113,753	116,126	113,626
SUBTOTAL	244,943	234,485	234,506	238,052	238,643	229,013	228,169	220,381	221,359	215,814	217,065
SECTOR TOTAL	718,725	684,957	693,850	697,055	699,862	679,611	668,827	652,532	640,732	622,719	617,402
BROOKLYN SECTOR											
WILLIAMSBURG BRIDGE	110,412	106,647	108,077	111,189	103,590	112,696	115,618	111,575	105,154	105,590	105,352
MANHATTAN BRIDGE	73,139	70,276	71,872	74,777	85,392	89,087	87,375	84,048	87,046	85,084	80,273
BROOKLYN BRIDGE	131,551	123,781	125,021	123,640	105,820	100,288	102,542	99,986	102,219	105,679	115,981
HUGH L. CAREY TUNNEL	54,989	43,010	50,440	54,097	49,967	53,067	53,389	53,532	55,734	56,545	55,039
SECTOR TOTAL	370,091	343,714	355,410	363,703	344,769	355,138	358,924	349,141	350,153	352,898	356,645
QUEENS SECTOR											
QUEENS MIDTOWN TUNNEL	87,792	83,481	85,704	88,231	86,730	90,992	87,985	84,628	88,573	74,883	82,392
ED KOCH QUEENSBORO BRIDGE	180,326	175,299	179,125	176,903	182,611	177,455	170,807	173,508	173,776	169,586	168,029
SECTOR TOTAL	268,118	258,780	264,829	265,134	269,341	268,447	258,792	258,136	262,349	244,469	250,421
NEW JERSEY SECTOR											
HOLLAND TUNNEL	99,146	91,186	91,508	97,658	88,186	91,957	88,015	85,467	88,457	87,481	85,804
LINCOLN TUNNEL	109,434	99,043	85,462	99,538	90,020	101,235	96,595	95,662	103,110	97,020	99,005
SECTOR TOTAL	208,580	190,228	176,970	197,196	178,206	193,192	184,610	181,129	191,567	184,501	184,809
TOTAL, ALL FACILITIES	1,565,514	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

TABLE 12
REVERSE TRAVEL FROM THE HUB DURING AM PEAK PERIOD (7AM - 10AM)
ON A FALL BUSINESS DAY (2010-2017), BY MODE AND BY SECTOR

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

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

Note: Persons leaving the Hub during 7am - 10am peak period and traveling contrary to the predominant direction of travel.

TABLE 13A
TRI-STATE REGION - POPULATION

	POPULATION (in thousands)				PERCENT CHANGE		
	2014	2015	2016	2017	2015/ 2014	2016/ 2015	2017/ 2016
CONNECTICUT REGION							
3 COUNTIES	1,992	1,991	1,984	1,993	-0.1%	-0.4%	0.5%
NEW JERSEY							
9 COUNTIES	5,758	5,780	5,773	5,829	0.4%	-0.1%	1.0%
NEW YORK STATE							
MANHATTAN CBD*	600	603	620	623	0.5%	2.8%	0.5%
NYC REMAINDER	7,891	7,947	7,918	7,999	0.7%	-0.4%	1.0%
7 SUBURBAN COUNTIES	4,931	4,938	4,928	4,949	0.1%	-0.2%	0.4%
TOTAL	13,422	13,488	13,466	13,571	0.5%	-0.2%	0.8%
TOTAL REGION	21,172	21,259	21,223	21,393	0.4%	-0.2%	0.8%

* NYMTC estimate.

- 2014-2017 Population data have been revised due to some changes in estimate's methodology and therefore it may not be comparable with previous years.
- The three Connecticut counties include New Haven, Fairfield, and Litchfield.
- The nine New Jersey counties include Bergen, Essex, Hudson, Middlesex, Monmouth, Morris, Passaic, Somerset and Union.
- The seven suburban counties of New York include Dutchess, Nassau, Orange, Putnam, Rockland, Suffolk and Westchester.

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

	EMPLOYMENT (in thousands)				PERCENT CHANGE		
	2014	2015	2016	2017	2015/ 2014	2016/ 2015	2017/ 2016
CONNECTICUT REGION							
3 COUNTIES	839	844	847	845	0.6%	0.4%	-0.2%
NEW JERSEY							
9 COUNTIES	2,481	2,515	2,555	2,588	1.4%	1.6%	1.3%
NEW YORK STATE							
MANHATTAN CBD*	1,943	1,954	1,970	1,969	0.6%	0.8%	-0.1%
NYC REMAINDER	2,024	2,128	2,196	2,283	5.1%	3.2%	4.0%
7 SUBURBAN COUNTIES	2,039	2,066	2,093	2,117	1.3%	1.3%	1.1%
TOTAL	6,006	6,148	6,259	6,369	2.4%	1.8%	1.8%
REGION TOTAL	9,326	9,507	9,661	9,802	1.9%	1.6%	1.5%

* NYMTC estimate.

- 2014-2017 Employment data have been revised due to some changes in estimate's methodology and therefore it may not be comparable with previous years.
- The three Connecticut counties include New Haven, Fairfield, and Litchfield.
- The nine New Jersey counties include Bergen, Essex, Hudson, Middlesex, Monmouth, Morris, Passaic, Somerset and Union.
- The seven suburban counties of New York include Dutchess, Nassau, Orange, Putnam, Rockland, Suffolk and Westchester.

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Appendix II

Summary Tables - 2017

TABLE 14 A
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2017
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	6,623	-	-	-	-	-
York Avenue	637	-	-	-	211	-
First Avenue	-	-	-	-	-	-
Second Avenue	2,304	-	12,771	618	157	-
Third Avenue	-	-	-	-	-	-
Lexington Avenue- IRT	1,368	19,403	15,519	125	317	-
Park Ave	1,647	-	-	-	-	35,793
Madison Avenue	-	-	-	-	-	-
Fifth Avenue	1,261	-	-	545	1,078	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	876	-	-	-	-	-
Broadway	1,342	25,771	10,269	35	295	-
Eighth Avenue	-	24,258	12,026	-	-	-
Columbus Avenue	919	-	-	-	137	-
Amsterdam Avenue	-	-	-	-	-	-
West End Avenue	1,035	-	-	-	56	-
West Side Highway	4,527	-	-	-	-	167
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-	-
SECTOR TOTAL	22,539	69,432	50,585	1,323	2,251	35,960
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	26,796	-	-	-
Williamsburg Bridge-BMT	2,960	-	11,887	-	11	-
Rutgers Tunnel-IND	-	-	8,682	-	-	-
Manhattan Bridge-BMT	3,349	19,567	25,928	-	-	-
Brooklyn Bridge	4,436	-	-	-	-	-
Cranberry Tunnel-IND	-	-	25,093	-	-	-
Clark Tunnel-IRT	-	-	14,856	-	-	-
Montague Tunnel-BMT	-	-	6,258	-	-	-
Joralemon Tunnel-IRT	-	-	16,507	-	-	-
Hugh L. Carey Tunnel	2,873	-	-	4,937	-	-
SECTOR TOTAL	13,618	19,567	136,007	4,937	11	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	14,008	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	25,377	-	-	-
Ed Koch Queensboro Bridge-Tramway	5,101	-	-	-	146	-
Fifty-third St. Tunnel-IND	-	-	28,362	-	-	-
Steinway Tunnel-IRT	-	-	22,260	-	-	-
Queens Midtown Tunnel-IRT	4,400	-	-	3,195	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	33,682
SECTOR TOTAL	9,501	-	90,007	3,195	146	33,682
NEW JERSEY SECTOR						
Lincoln Tunnel	4,071	-	-	33,949	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	26,614
Uptown PATH Tunnel	-	-	17,605	-	-	-
Holland Tunnel	3,071	-	-	2,700	-	-
Downtown PATH Tunnel	-	-	17,766	-	-	-
SECTOR TOTAL	7,142	-	35,371	36,649	-	26,614
TOTAL, ALL SECTORS	52,800	88,999	311,970	46,104	2,408	96,256

TABLE 14 A (Continued)
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2017
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	-	-	-	-	6,623
York Avenue	-	-	-	211	848
First Avenue	-	-	4	4	4
Second Avenue	-	-	389	13,935	16,239
Third Avenue	-	-	-	-	-
Lexington Avenue- IRT	-	-	61	35,425	36,793
Park Ave	-	-	51	35,844	37,491
Madison Avenue	-	-	2	2	2
Fifth Avenue	-	-	154	1,777	3,038
Sixth Avenue	-	-	2	2	2
Seventh Avenue	-	-	113	113	989
Broadway	-	-	194	36,564	37,906
Eighth Avenue	-	-	1	36,285	36,285
Columbus Avenue	-	-	180	317	1,236
Amsterdam Avenue	-	-	4	4	4
West End Avenue	-	-	27	83	1,118
West Side Highway	-	-	-	167	4,694
Hudson River Greenway	-	-	597	597	597
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-
SECTOR TOTAL	-	-	1,779	161,330	183,869
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	26,796	26,796
Williamsburg Bridge-BMT	-	-	675	12,573	15,533
Rutgers Tunnel-IND	-	-	-	8,682	8,682
Manhattan Bridge-BMT	-	-	633	46,128	49,477
Brooklyn Bridge	-	-	298	298	4,734
Cranberry Tunnel-IND	-	-	-	25,093	25,093
Clark Tunnel-IRT	-	-	-	14,856	14,856
Montague Tunnel-BMT	-	-	-	6,258	6,258
Joralemon Tunnel-IRT	-	-	-	16,507	16,507
Hugh L. Carey Tunnel	-	-	-	4,937	7,810
All Ferry Points	375	-	-	375	375
SECTOR TOTAL	375	-	1,606	162,503	176,121
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	14,008	14,008
Sixtieth St. Tunnel-BMT/IND	-	-	-	25,377	25,377
Ed Koch Queensboro Bridge-Tramway	-	334	475	955	6,056
Fifty-third St. Tunnel-IND	-	-	-	28,362	28,362
Steinway Tunnel-IRT	-	-	-	22,260	22,260
Queens Midtown Tunnel-IRT	-	-	-	3,195	7,595
Amtrak/LIRR Tunnels	-	-	-	33,682	33,682
All Ferry Points	640	-	-	640	640
SECTOR TOTAL	640	334	475	128,479	137,980
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	33,949	38,020
Amtrak/N.J. Transit Tunnels	-	-	-	26,614	26,614
Uptown PATH Tunnel	-	-	-	17,605	17,605
Holland Tunnel	-	-	-	2,700	5,771
Downtown PATH Tunnel	-	-	-	17,766	17,766
All Ferry Points	5,887	-	-	5,887	5,887
SECTOR TOTAL	5,887	-	-	104,521	111,663
STATEN ISLAND FERRY, BICYCLE	6,216	-	36	6,252	6,252
TOTAL, ALL SECTORS	13,118	334	3,896	563,085	615,885

TABLE 14 B
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2017
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	19,829	-	-	-	-	-
York Avenue	1,884	-	-	-	471	-
First Avenue	-	-	-	-	-	-
Second Avenue	6,614	-	26,032	1,863	435	-
Third Avenue	-	-	-	-	-	-
Lexington Avenue- IRT	3,989	48,804	33,649	302	852	-
Park Ave	4,286	-	-	-	-	71,486
Madison Avenue	-	-	-	-	-	-
Fifth Avenue	4,054	-	-	2,132	2,013	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	1,768	-	-	-	-	-
Broadway	3,729	58,226	26,428	137	834	-
Eighth Avenue	-	54,808	25,870	-	-	-
Columbus Avenue	3,001	-	-	-	373	-
Amsterdam Avenue	-	-	-	-	-	-
West End Avenue	2,899	-	-	-	141	-
West Side Highway	13,208	-	-	-	-	524
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-	-
SECTOR TOTAL	65,261	161,838	111,979	4,434	5,119	72,010
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	64,126	-	-	-
Williamsburg Bridge-BMT	8,940	-	26,787	-	30	-
Rutgers Tunnel-IND	-	-	21,610	-	-	-
Manhattan Bridge-BMT	10,198	45,899	55,275	-	-	-
Brooklyn Bridge	12,746	-	-	-	-	-
Cranberry Tunnel-IND	-	-	56,041	-	-	-
Clark Tunnel-IRT	-	-	33,733	-	-	-
Montague Tunnel-BMT	-	-	12,068	-	-	-
Joralemon Tunnel-IRT	-	-	38,263	-	-	-
Hugh L. Carey Tunnel	9,020	-	-	13,235	-	-
SECTOR TOTAL	40,904	45,899	307,903	13,235	30	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	32,471	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	58,853	-	-	-
Ed Koch Queensboro Bridge-Tramway	15,760	-	-	-	402	-
Fifty-third St. Tunnel-IND	-	-	67,903	-	-	-
Steinway Tunnel-IRT	-	-	51,160	-	-	-
Queens Midtown Tunnel-IRT	13,032	-	-	7,857	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	72,145
SECTOR TOTAL	28,792	-	210,387	7,857	402	72,145
NEW JERSEY SECTOR						
Lincoln Tunnel	12,307	-	-	89,827	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	54,219
Uptown PATH Tunnel	-	-	36,445	-	-	-
Holland Tunnel	9,208	-	-	6,505	-	-
Downtown PATH Tunnel	-	-	38,448	-	-	-
SECTOR TOTAL	21,515	-	74,893	96,332	-	54,219
TOTAL, ALL SECTORS	156,472	207,737	705,162	121,858	5,551	198,374

TABLE 14 B (Continued)
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2017
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	-	-	-	-	19,829
York Avenue	-	-	-	471	2,355
First Avenue	-	-	12	12	12
Second Avenue	-	-	916	29,246	35,860
Third Avenue	-	-	2	2	2
Lexington Avenue- IRT	-	-	176	83,783	87,772
Park Ave	-	-	115	71,601	75,887
Madison Avenue	-	-	6	6	6
Fifth Avenue	-	-	353	4,498	8,552
Sixth Avenue	-	-	6	6	6
Seventh Avenue	-	-	278	278	2,046
Broadway	-	-	400	86,025	89,754
Eighth Avenue	-	-	1	80,679	80,679
Columbus Avenue	-	-	432	805	3,806
Amsterdam Avenue	-	-	5	5	5
West End Avenue	-	-	93	234	3,133
West Side Highway	-	-	1	525	13,733
Hudson River Greenway	-	-	1,465	1,465	1,465
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	4,261	359,641	424,902
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	64,126	64,126
Williamsburg Bridge-BMT	-	-	1,618	28,435	37,375
Rutgers Tunnel-IND	-	-	-	21,610	21,610
Manhattan Bridge-BMT	-	-	1,457	102,631	112,829
Brooklyn Bridge	-	-	663	663	13,409
Cranberry Tunnel-IND	-	-	-	56,041	56,041
Clark Tunnel-IRT	-	-	-	33,733	33,733
Montague Tunnel-BMT	-	-	-	12,068	12,068
Joralemon Tunnel-IRT	-	-	-	38,263	38,263
Hugh L. Carey Tunnel	-	-	-	13,235	22,255
All Ferry Points	741	-	-	741	741
SECTOR TOTAL	741	-	3,738	371,546	412,450
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	32,471	32,471
Sixtieth St. Tunnel-BMT/IND	-	-	-	58,853	58,853
Ed Koch Queensboro Bridge-Tramway	-	788	1,114	2,304	18,064
Fifty-third St. Tunnel-IND	-	-	-	67,903	67,903
Steinway Tunnel-IRT	-	-	-	51,160	51,160
Queens Midtown Tunnel-IRT	-	-	-	7,857	20,889
Amtrak/LIRR Tunnels	-	-	-	72,145	72,145
All Ferry Points	1,698	-	-	1,698	1,698
SECTOR TOTAL	1,698	788	1,114	294,391	323,183
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	89,827	102,134
Amtrak/N.J. Transit Tunnels	-	-	-	54,219	54,219
Uptown PATH Tunnel	-	-	-	36,445	36,445
Holland Tunnel	-	-	-	6,505	15,713
Downtown PATH Tunnel	-	-	-	38,448	38,448
All Ferry Points	12,534	-	-	12,534	12,534
SECTOR TOTAL	12,534	-	-	237,978	259,493
STATEN ISLAND FERRY, BICYCLE	13,808	-	118	13,926	13,926
TOTAL, ALL SECTORS	28,781	788	9,231	1,277,482	1,433,954

TABLE 14 C
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2017
24 HOUR

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN RAIL
	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	110,758	-	-	-	-	-
York Avenue	12,120	-	-	-	1,632	-
First Avenue	-	-	-	-	-	-
Second Avenue	59,621	-	79,250	5,324	1,978	-
Third Avenue	-	-	-	-	-	-
Lexington Avenue- IRT	26,476	160,375	122,002	636	3,430	-
Park Ave	23,999	-	-	-	-	111,982
Madison Avenue	-	-	-	-	-	-
Fifth Avenue	25,017	-	-	4,697	5,724	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	1,840	-	-	-	-	-
Broadway	20,915	155,132	107,334	337	3,110	2,161
Eighth Avenue	-	150,965	73,582	-	-	-
Columbus Avenue	25,901	-	-	-	1,252	-
Amsterdam Avenue	-	-	-	-	-	-
West End Avenue	17,407	-	-	-	889	-
West Side Highway	69,881	-	-	-	-	-
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-	-
SECTOR TOTAL	393,935	466,472	382,168	10,994	18,015	114,143
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	147,705	-	-	-
Williamsburg Bridge-BMT	62,150	-	63,251	-	124	-
Rutgers Tunnel-IND	-	-	59,879	-	-	-
Manhattan Bridge-BMT	51,760	94,513	127,224	-	-	-
Brooklyn Bridge	73,684	-	-	-	-	-
Cranberry Tunnel-IND	-	-	126,633	-	-	-
Clark Tunnel-IRT	-	-	78,966	-	-	-
Montague Tunnel-BMT	-	-	25,383	-	-	-
Joralemon Tunnel-IRT	-	-	96,772	-	-	-
Hugh L. Carey Tunnel	32,109	-	-	22,174	-	-
SECTOR TOTAL	219,703	94,513	725,813	22,174	124	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	68,099	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	133,602	-	-	-
Ed Koch Queensboro Bridge-Tramway	92,041	-	-	-	1,695	-
Fifty-third St. Tunnel-IND	-	-	162,015	-	-	-
Steinway Tunnel-IRT	-	-	117,307	-	-	-
Queens Midtown Tunnel-IRT	61,319	-	-	9,940	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	122,108
SECTOR TOTAL	153,360	-	481,023	9,940	1,695	122,108
NEW JERSEY SECTOR						
Lincoln Tunnel	64,164	-	-	202,951	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	100,102
Uptown PATH Tunnel	-	-	69,872	-	-	-
Holland Tunnel	50,844	-	-	16,385	-	-
Downtown PATH Tunnel	-	-	67,026	-	-	-
SECTOR TOTAL	115,008	-	136,898	219,336	-	100,102
TOTAL, ALL SECTORS	882,006	560,985	1,725,902	262,444	19,834	336,353

TABLE 14 C (Continued)
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2017
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	-	-	-	-	110,758
York Avenue	-	-	-	1,632	13,752
First Avenue	-	-	107	107	107
Second Avenue	-	-	3,904	90,456	150,077
Third Avenue	-	-	37	37	37
Lexington Avenue- IRT	-	-	1,651	288,094	314,570
Park Ave	-	-	1,179	113,161	137,160
Madison Avenue	-	-	58	58	58
Fifth Avenue	-	-	2,374	12,795	37,812
Sixth Avenue	-	-	37	37	37
Seventh Avenue	-	-	1,983	1,983	3,823
Broadway	-	-	1,804	269,878	290,793
Eighth Avenue	-	-	57	224,604	224,604
Columbus Avenue	-	-	3,054	4,306	30,207
Amsterdam Avenue	-	-	88	88	88
West End Avenue	-	-	540	1,429	18,836
West Side Highway	-	-	31	31	69,912
Hudson River Greenway	-	-	4,420	4,420	4,420
Ed Koch Queensboro Bridge Ramp	-	-	-	-	-
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	21,324	1,013,116	1,407,051
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	147,705	147,705
Williamsburg Bridge-BMT	-	-	3,953	67,328	129,478
Rutgers Tunnel-IND	-	-	-	59,879	59,879
Manhattan Bridge-BMT	-	-	3,427	225,164	276,924
Brooklyn Bridge	-	-	1,589	1,589	75,273
Cranberry Tunnel-IND	-	-	-	126,633	126,633
Clark Tunnel-IRT	-	-	-	78,966	78,966
Montague Tunnel-BMT	-	-	-	25,383	25,383
Joralemon Tunnel-IRT	-	-	-	96,772	96,772
Hugh L. Carey Tunnel	-	-	-	22,174	54,283
All Ferry Points	2,113	-	-	2,113	2,113
SECTOR TOTAL	2,113	-	8,969	853,706	1,073,409
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	68,099	68,099
Sixtieth St. Tunnel-BMT/IND	-	-	-	133,602	133,602
Ed Koch Queensboro Bridge-Tramway	-	2,686	2,890	7,271	99,312
Fifty-third St. Tunnel-IND	-	-	-	162,015	162,015
Steinway Tunnel-IRT	-	-	-	117,307	117,307
Queens Midtown Tunnel-IRT	-	-	-	9,940	71,259
Amtrak/LIRR Tunnels	-	-	-	122,108	122,108
All Ferry Points	3,623	-	-	3,623	3,623
SECTOR TOTAL	3,623	2,686	2,890	623,965	777,325
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	202,951	267,115
Amtrak/N.J. Transit Tunnels	-	-	-	100,102	100,102
Uptown PATH Tunnel	-	-	-	69,872	69,872
Holland Tunnel	-	-	-	16,385	67,229
Downtown PATH Tunnel	-	-	-	67,026	67,026
All Ferry Points	19,731	-	-	19,731	19,731
SECTOR TOTAL	19,731	-	-	476,067	591,075
STATEN ISLAND FERRY, BICYCLE	36,429	-	319	36,748	36,748
TOTAL, ALL SECTORS	61,896	2,686	33,502	3,003,602	3,885,608

TABLE 15 A
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2017
EVENING PEAK HOUR (5-6 PM)

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN 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	3,937	-	-	-	-	-
York Avenue	1,185	-	-	-	150	-
First Avenue	2,333	-	-	535	178	-
Second Avenue	-	-	6,688	-	-	-
Third Avenue	1,979	-	-	46	405	-
Lexington Avenue- IRT	-	18,530	12,054	-	-	-
Park Ave	1,715	-	-	-	-	27,461
Madison Avenue	1,679	-	-	969	844	-
Fifth Avenue	-	-	-	-	-	-
Sixth Avenue	726	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	953	18,288	9,900	16	311	-
Eighth Avenue	1,442	17,574	8,723	-	56	-
Columbus Avenue	-	-	-	-	-	-
Amsterdam Avenue	1,748	-	-	-	126	-
West End Avenue	1,231	-	-	-	65	-
West Side Highway	2,823	-	-	-	-	206
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	1,957	-	-	-	-	-
SECTOR TOTAL	23,708	54,392	37,365	1,566	2,135	27,667
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	17,103	-	-	-
Williamsburg Bridge-BMT	3,975	-	7,822	-	9	-
Rutgers Tunnel-IND	-	-	7,419	-	-	-
Manhattan Bridge-BMT	3,371	15,479	16,953	-	-	-
Brooklyn Bridge	3,682	-	-	-	-	-
Cranberry Tunnel-IND	-	-	16,426	-	-	-
Clark Tunnel-IRT	-	-	11,017	-	-	-
Montague Tunnel-BMT	-	-	6,725	-	-	-
Joralemon Tunnel-IRT	-	-	10,803	-	-	-
Hugh L. Carey Tunnel	3,199	-	-	5,264	-	-
SECTOR TOTAL	14,227	15,479	94,268	5,264	9	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	14,093	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	19,199	-	-	-
Ed Koch Queensboro Bridge-Tramway	6,603	-	-	1,748	296	-
Fifty-third St. Tunnel-IND	-	-	18,701	-	-	-
Steinway Tunnel-IRT	-	-	19,156	-	-	-
Queens Midtown Tunnel-IRT	4,190	-	-	435	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	28,274
SECTOR TOTAL	10,793	-	71,149	2,183	296	28,274
NEW JERSEY SECTOR						
Lincoln Tunnel	5,160	-	-	30,274	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	21,222
Uptown PATH Tunnel	-	-	11,756	-	-	-
Holland Tunnel	2,023	-	-	1,498	-	-
Downtown PATH Tunnel	-	-	15,100	-	-	-
SECTOR TOTAL	7,183	-	26,856	31,772	-	21,222
TOTAL, ALL SECTORS	55,911	69,871	229,638	40,785	2,440	77,163

TABLE 15 A (Continued)
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2017
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	-	-	-	-	3,937
York Avenue	-	-	-	150	1,335
First Avenue	-	-	393	1,106	3,439
Second Avenue	-	-	2	6,690	6,690
Third Avenue	-	-	131	582	2,561
Lexington Avenue- IRT	-	-	5	30,589	30,589
Park Ave	-	-	83	27,544	29,259
Madison Avenue	-	-	141	1,954	3,633
Fifth Avenue	-	-	2	2	2
Sixth Avenue	-	-	254	254	980
Seventh Avenue	-	-	7	7	7
Broadway	-	-	11	28,526	29,479
Eighth Avenue	-	-	225	26,578	28,020
Columbus Avenue	-	-	8	8	8
Amsterdam Avenue	-	-	102	228	1,976
West End Avenue	-	-	33	98	1,329
West Side Highway	-	-	24	230	3,053
Hudson River Greenway	-	-	551	551	551
Ed Koch Queensboro Bridge Ramp	-	-	-	-	1,957
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	1,972	125,097	148,805
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	17,103	17,103
Williamsburg Bridge-BMT	-	-	413	8,244	12,219
Rutgers Tunnel-IND	-	-	-	7,419	7,419
Manhattan Bridge-BMT	-	-	473	32,905	36,276
Brooklyn Bridge	-	-	227	227	3,909
Cranberry Tunnel-IND	-	-	-	16,426	16,426
Clark Tunnel-IRT	-	-	-	11,017	11,017
Montague Tunnel-BMT	-	-	-	6,725	6,725
Joralemon Tunnel-IRT	-	-	-	10,803	10,803
Hugh L. Carey Tunnel	-	-	-	5,264	8,463
All Ferry Points	332	-	-	332	332
SECTOR TOTAL	332	-	1,113	116,465	130,692
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	14,093	14,093
Sixtieth St. Tunnel-BMT/IND	-	-	-	19,199	19,199
Ed Koch Queensboro Bridge-Tramway	-	272	358	2,674	9,277
Fifty-third St. Tunnel-IND	-	-	-	18,701	18,701
Steinway Tunnel-IRT	-	-	-	19,156	19,156
Queens Midtown Tunnel-IRT	-	-	-	435	4,625
Amtrak/LIRR Tunnels	-	-	-	28,274	28,274
All Ferry Points	709	-	-	709	709
SECTOR TOTAL	709	272	358	103,241	114,034
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	30,274	35,434
Amtrak/N.J. Transit Tunnels	-	-	-	21,222	21,222
Uptown PATH Tunnel	-	-	-	11,756	11,756
Holland Tunnel	-	-	-	1,498	3,521
Downtown PATH Tunnel	-	-	-	15,100	15,100
All Ferry Points	3,652	-	-	3,652	3,652
SECTOR TOTAL	3,652	-	-	83,502	90,685
STATEN ISLAND FERRY, BICYCLE	6,883	-	34	6,917	6,917
TOTAL, ALL SECTORS	11,576	272	3,477	435,222	491,133

TABLE 15 B
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2016
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	11,996	-	-	-	-	-
York Avenue	3,425	-	-	-	370	-
First Avenue	6,725	-	-	1,716	546	-
Second Avenue	-	-	18,467	-	-	-
Third Avenue	5,731	-	-	104	1,088	-
Lexington Avenue- IRT	-	57,869	32,978	-	-	-
Park Ave	5,004	-	-	-	-	59,613
Madison Avenue	5,195	-	-	2,724	2,350	-
Fifth Avenue	-	-	-	-	-	-
Sixth Avenue	2,091	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	3,048	45,389	28,500	57	784	-
Eighth Avenue	4,307	44,631	25,012	-	161	-
Columbus Avenue	-	-	-	-	-	-
Amsterdam Avenue	5,207	-	-	-	354	-
West End Avenue	3,301	-	-	-	212	-
West Side Highway	9,088	-	-	-	-	437
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	5,790	-	-	-	-	-
SECTOR TOTAL	70,908	147,889	104,957	4,601	5,865	60,050
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	53,172	-	-	-
Williamsburg Bridge-BMT	11,458	-	20,940	-	64	-
Rutgers Tunnel-IND	-	-	20,503	-	-	-
Manhattan Bridge-BMT	10,211	38,202	45,544	-	-	-
Brooklyn Bridge	11,201	-	-	-	-	-
Cranberry Tunnel-IND	-	-	43,138	-	-	-
Clark Tunnel-IRT	-	-	25,987	-	-	-
Montague Tunnel-BMT	-	-	15,453	-	-	-
Joralemon Tunnel-IRT	-	-	27,792	-	-	-
Hugh L. Carey Tunnel	9,556	-	-	11,949	-	-
SECTOR TOTAL	42,426	38,202	252,529	11,949	64	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	30,965	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	50,129	-	-	-
Ed Koch Queensboro Bridge-Tramway	19,427	-	-	3,765	816	-
Fifty-third St. Tunnel-IND	-	-	46,551	-	-	-
Steinway Tunnel-IRT	-	-	50,354	-	-	-
Queens Midtown Tunnel-IRT	12,227	-	-	930	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	63,437
SECTOR TOTAL	31,654	-	177,999	4,695	816	63,437
NEW JERSEY SECTOR						
Lincoln Tunnel	15,834	-	-	78,930	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	50,310
Uptown PATH Tunnel	-	-	28,548	-	-	-
Holland Tunnel	6,966	-	-	4,020	-	-
Downtown PATH Tunnel	-	-	33,309	-	-	-
All Ferry Points	-	-	-	-	-	-
SECTOR TOTAL	22,800	-	61,857	82,950	-	50,310
TOTAL, ALL SECTORS	167,788	186,091	597,342	104,195	6,745	173,797

TABLE 15 B (Continued)
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2016
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	-	-	-	-	11,996
York Avenue	-	-	-	370	3,795
First Avenue	-	-	1,021	3,283	10,008
Second Avenue	-	-	11	18,478	18,478
Third Avenue	-	-	428	1,620	7,351
Lexington Avenue- IRT	-	-	20	90,867	90,867
Park Ave	-	-	232	59,845	64,849
Madison Avenue	-	-	455	5,529	10,724
Fifth Avenue	-	-	7	7	7
Sixth Avenue	-	-	714	714	2,805
Seventh Avenue	-	-	12	12	12
Broadway	-	-	32	74,762	77,810
Eighth Avenue	-	-	734	70,538	74,845
Columbus Avenue	-	-	34	34	34
Amsterdam Avenue	-	-	320	674	5,881
West End Avenue	-	-	76	288	3,589
West Side Highway	-	-	71	508	9,596
Hudson River Greenway	-	-	1,572	1,572	1,572
Ed Koch Queensboro Bridge Ramp	-	-	-	-	5,790
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	5,739	329,101	400,009
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	53,172	53,172
Williamsburg Bridge-BMT	-	-	1,300	22,304	33,762
Rutgers Tunnel-IND	-	-	-	20,503	20,503
Manhattan Bridge-BMT	-	-	1,408	85,154	95,365
Brooklyn Bridge	-	-	624	624	11,825
Cranberry Tunnel-IND	-	-	-	43,138	43,138
Clark Tunnel-IRT	-	-	-	25,987	25,987
Montague Tunnel-BMT	-	-	-	15,453	15,453
Joralemon Tunnel-IRT	-	-	-	27,792	27,792
Hugh L. Carey Tunnel	-	-	-	11,949	21,505
All Ferry Points	899	-	-	899	899
SECTOR TOTAL	899	-	3,332	306,975	349,401
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	30,965	30,965
Sixtieth St. Tunnel-BMT/IND	-	-	-	50,129	50,129
Ed Koch Queensboro Bridge-Tramway	-	797	991	6,369	25,796
Fifty-third St. Tunnel-IND	-	-	-	46,551	46,551
Steinway Tunnel-IRT	-	-	-	50,354	50,354
Queens Midtown Tunnel-IRT	-	-	-	930	13,157
Amtrak/LIRR Tunnels	-	-	-	63,437	63,437
All Ferry Points	1,595	-	-	1,595	1,595
SECTOR TOTAL	1,595	797	991	250,330	281,984
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	78,930	94,764
Amtrak/N.J. Transit Tunnels	-	-	-	50,310	50,310
Uptown PATH Tunnel	-	-	-	28,548	28,548
Holland Tunnel	-	-	-	4,020	10,986
Downtown PATH Tunnel	-	-	-	33,309	33,309
All Ferry Points	9,670	-	-	9,670	9,670
SECTOR TOTAL	9,670	-	-	204,787	227,587
STATEN ISLAND FERRY, BICYCLE	17,426	-	107	17,533	17,533
TOTAL, ALL SECTORS	29,590	797	10,169	1,108,726	1,276,514

TABLE 15 C
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2017
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	81,391	-	-	-	-	-
York Avenue	18,328	-	-	-	1,070	-
First Avenue	38,952	-	-	6,495	2,364	-
Second Avenue	-	-	70,027	-	-	-
Third Avenue	35,319	-	-	212	3,901	-
Lexington Avenue- IRT	-	170,588	125,370	-	-	-
Park Ave	24,966	-	-	-	-	110,285
Madison Avenue	31,467	-	-	4,824	6,406	-
Fifth Avenue	-	-	-	-	-	-
Sixth Avenue	5,744	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	17,539	146,931	106,704	165	2,470	-
Eighth Avenue	23,186	149,579	67,725	-	613	-
Columbus Avenue	-	-	-	-	-	-
Amsterdam Avenue	27,482	-	-	-	1,295	-
West End Avenue	13,072	-	-	-	941	-
West Side Highway	60,264	-	-	-	-	1,961
Hudson River Greenway	-	-	-	-	-	-
Ed Koch Queensboro Bridge Ramp	39,821	-	-	-	-	-
SECTOR TOTAL	417,531	467,098	369,826	11,696	19,060	112,246
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	156,846	-	-	-
Williamsburg Bridge-BMT	71,548	-	58,753	-	205	-
Rutgers Tunnel-IND	-	-	62,941	-	-	-
Manhattan Bridge-BMT	57,137	97,519	119,847	-	-	-
Brooklyn Bridge	71,446	-	-	-	-	-
Cranberry Tunnel-IND	-	-	112,599	-	-	-
Clark Tunnel-IRT	-	-	65,816	-	-	-
Montague Tunnel-BMT	-	-	36,259	-	-	-
Joralemon Tunnel-IRT	-	-	82,021	-	-	-
Hugh L. Carey Tunnel	31,059	-	-	20,067	-	-
SECTOR TOTAL	231,190	97,519	695,082	20,067	205	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	71,958	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	134,768	-	-	-
Ed Koch Queensboro Bridge-Tramway	112,360	-	-	5,152	2,506	-
Fifty-third St. Tunnel-IND	-	-	136,871	-	-	-
Steinway Tunnel-IRT	-	-	132,911	-	-	-
Queens Midtown Tunnel-IRT	57,047	-	-	1,247	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	120,745
SECTOR TOTAL	169,407	-	476,508	6,399	2,506	120,745
NEW JERSEY SECTOR						
Lincoln Tunnel	72,712	-	-	203,299	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	97,297
Uptown PATH Tunnel	-	-	67,554	-	-	-
Holland Tunnel	52,105	-	-	11,872	-	-
Downtown PATH Tunnel	-	-	65,182	-	-	-
SECTOR TOTAL	124,817	-	132,736	215,171	-	97,297
TOTAL, ALL SECTORS	942,945	564,617	1,674,152	253,333	21,771	330,288

TABLE 15 C (Continued)
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2017
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	-	-	-	-	81,391
York Avenue	-	-	-	1,070	19,398
First Avenue	-	-	3,659	12,518	51,470
Second Avenue	-	-	62	70,089	70,089
Third Avenue	-	-	2,239	6,352	41,671
Lexington Avenue- IRT	-	-	68	296,026	296,026
Park Ave	-	-	916	111,201	136,167
Madison Avenue	-	-	1,818	13,048	44,515
Fifth Avenue	-	-	36	36	36
Sixth Avenue	-	-	2,866	2,866	8,610
Seventh Avenue	-	-	55	55	55
Broadway	-	-	195	256,465	274,004
Eighth Avenue	-	-	3,415	221,332	244,518
Columbus Avenue	-	-	196	196	196
Amsterdam Avenue	-	-	1,160	2,455	29,937
West End Avenue	-	-	391	1,332	14,404
West Side Highway	-	-	273	2,234	62,498
Hudson River Greenway	-	-	4,223	4,223	4,223
Ed Koch Queensboro Bridge Ramp	-	-	-	-	39,821
All Ferry Points	-	-	-	-	-
SECTOR TOTAL	-	-	21,572	1,001,498	1,419,029
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	156,846	156,846
Williamsburg Bridge-BMT	-	-	3,808	62,766	134,314
Rutgers Tunnel-IND	-	-	-	62,941	62,941
Manhattan Bridge-BMT	-	-	3,510	220,876	278,013
Brooklyn Bridge	-	-	1,647	1,647	73,093
Cranberry Tunnel-IND	-	-	-	112,599	112,599
Clark Tunnel-IRT	-	-	-	65,816	65,816
Montague Tunnel-BMT	-	-	-	36,259	36,259
Joralemon Tunnel-IRT	-	-	-	82,021	82,021
Hugh L. Carey Tunnel	-	-	-	20,067	51,126
All Ferry Points	1,778	-	-	1,778	1,778
SECTOR TOTAL	1,778	-	8,965	823,616	1,054,806
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	71,958	71,958
Sixtieth St. Tunnel-BMT/IND	-	-	-	134,768	134,768
Ed Koch Queensboro Bridge-Tramway	-	2,830	2,942	13,430	125,790
Fifty-third St. Tunnel-IND	-	-	-	136,871	136,871
Steinway Tunnel-IRT	-	-	-	132,911	132,911
Queens Midtown Tunnel-IRT	-	-	-	1,247	58,294
Amtrak/LIRR Tunnels	-	-	-	120,745	120,745
All Ferry Points	3,227	-	-	3,227	3,227
SECTOR TOTAL	3,227	2,830	2,942	615,157	784,564
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	203,299	276,011
Amtrak/N.J. Transit Tunnels	-	-	-	97,297	97,297
Uptown PATH Tunnel	-	-	-	67,554	67,554
Holland Tunnel	-	-	-	11,872	63,977
Downtown PATH Tunnel	-	-	-	65,182	65,182
All Ferry Points	16,170	-	-	16,170	16,170
SECTOR TOTAL	16,170	-	-	461,374	586,191
STATEN ISLAND FERRY, BICYCLE	42,730	-	305	43,035	43,035
TOTAL, ALL SECTORS	63,905	2,830	33,784	2,944,680	3,887,625

TABLE 16
WHERE AND WHEN MOTOR VEHICLES ENTERED THE HUB ON A FALL BUSINESS DAY IN 2017

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	4,768	14,342	81,270	-	-	-	4,768	14,342	81,270
YORK AVENUE	566	1,696	10,809	8	23	105	574	1,719	10,914
SECOND AVENUE	1,677	4,913	42,791	20	62	284	1,697	4,975	43,075
ED KOCH QUEENSBORO BRIDGE RAMP	-	-	-	-	-	-	-	-	-
LEXINGTON AVENUE	1,074	3,190	22,435	21	68	361	1,095	3,258	22,796
PARK AVENUE	1,192	3,200	17,553	-	-	-	1,192	3,200	17,553
FIFTH AVENUE	728	2,425	16,097	80	211	708	808	2,636	16,805
CENTRAL PARK DRIVE AND 7TH AVENUE	480	975	1,023	-	-	-	480	975	1,023
BROADWAY	964	2,702	15,434	26	84	475	990	2,786	15,909
COLUMBUS AVENUE	683	2,306	19,670	7	18	88	690	2,324	19,758
WEST END AVENUE	714	1,984	12,095	5	15	82	719	1,999	12,177
WEST SIDE HIGHWAY	4,172	12,180	61,859	-	-	-	4,172	12,180	61,859
SECTOR TOTAL	17,018	49,913	301,036	167	481	2,103	17,185	50,394	303,139
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	2,397	7,225	50,266	2	5	28	2,399	7,230	50,294
MANHATTAN BRIDGE	2,727	8,257	41,724	-	-	-	2,727	8,257	41,724
BROOKLYN BRIDGE	3,759	11,050	64,429	-	-	-	3,759	11,050	64,429
HUGH L. CAREY TUNNEL	2,614	8,171	28,403	143	361	622	2,757	8,532	29,025
SECTOR TOTAL	11,497	34,703	184,822	145	366	650	11,642	35,069	185,472
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	3,387	10,103	45,578	114	284	424	3,501	10,387	46,002
ED KOCH QUEENSBORO BRIDGE	4,394	13,565	77,408	12	40	241	4,406	13,605	77,649
SECTOR TOTAL	7,781	23,668	122,986	126	324	665	7,907	23,992	123,651
NEW JERSEY SECTOR									
HOLLAND TUNNEL	2,540	7,787	41,717	74	181	625	2,614	7,968	42,342
LINCOLN TUNNEL	2,974	9,239	47,528	871	2,394	7,342	3,845	11,633	54,870
SECTOR TOTAL	5,514	17,026	89,245	945	2,575	7,967	6,459	19,601	97,212
TOTAL, ALL SECTORS	41,810	125,310	698,089	1,383	3,746	11,385	43,193	129,056	709,474

- 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 2017

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	3,026	9,362	66,200	-	-	-	3,026	9,362	66,200
YORK AVENUE	791	2,307	12,581	7	20	95	798	2,327	12,676
FIRST AVENUE	1,786	5,232	31,410	16	47	279	1,802	5,279	31,689
ED KOCH QUEENSBORO BRIDGE RAMP	1,582	4,578	33,049	-	-	-	1,582	4,578	33,049
THIRD AVENUE	1,193	3,546	23,944	16	60	345	1,209	3,606	24,289
PARK AVENUE	1,070	3,171	16,374	-	-	-	1,070	3,171	16,374
MADISON AVENUE	1,031	3,184	21,580	66	212	691	1,097	3,396	22,271
CENTRAL PARK DRIVE FROM 6TH AVENUE	394	1,117	3,221	-	-	-	394	1,117	3,221
CENTRAL PARK WEST	783	2,296	13,096	9	25	126	792	2,321	13,222
BROADWAY	750	2,347	13,297	24	64	330	774	2,411	13,627
AMSTERDAM AVENUE	1,219	3,626	20,760	6	17	84	1,225	3,643	20,844
WEST END AVENUE	854	2,268	9,087	5	16	83	859	2,284	9,170
WEST SIDE HIGHWAY	2,388	7,699	51,767	-	-	-	2,388	7,699	51,767
SECTOR TOTAL	16,867	50,733	316,366	149	461	2,033	17,016	51,194	318,399
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	3,018	8,784	55,086	2	6	29	3,020	8,790	55,115
MANHATTAN BRIDGE	2,314	6,858	38,549	-	-	-	2,314	6,858	38,549
BROOKLYN BRIDGE	2,709	8,265	51,552	-	-	-	2,709	8,265	51,552
HUGH L. CAREY TUNNEL	2,718	8,193	26,636	143	359	644	2,861	8,552	27,280
SECTOR TOTAL	10,759	32,100	171,823	145	365	673	10,904	32,465	172,496
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	2,705	7,789	36,814	11	36	56	2,716	7,825	36,870
ED KOCH QUEENSBORO BRIDGE	5,493	16,332	90,621	93	232	552	5,586	16,564	91,173
SECTOR TOTAL	8,198	24,121	127,435	104	268	608	8,302	24,389	128,043
NEW JERSEY SECTOR									
HOLLAND TUNNEL	1,709	5,841	44,087	41	116	496	1,750	5,957	44,583
LINCOLN TUNNEL	3,825	11,633	51,477	713	1,889	7,223	4,538	13,522	58,700
SECTOR TOTAL	5,534	17,474	95,564	754	2,005	7,719	6,288	19,479	103,283
TOTAL, ALL SECTORS	41,358	124,428	711,188	1,152	3,099	11,033	42,510	127,527	722,221

- 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 2017

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	211	471	1,632	-	-	-	211	471	1,632
SECOND AVENUE	157	435	1,978	618	1,863	5,324	775	2,298	7,302
LEXINGTON AVENUE	317	852	3,430	125	302	636	442	1,154	4,066
FIFTH AVENUE	1,078	2,013	5,724	545	2,132	4,697	1,623	4,145	10,421
BROADWAY	295	834	3,110	35	137	337	330	971	3,447
COLUMBUS AVENUE	137	373	1,252	-	-	-	137	373	1,252
WEST END AVENUE	56	141	889	-	-	-	56	141	889
SECTOR TOTAL	2,251	5,119	18,015	1,323	4,434	10,994	3,574	9,553	29,009
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	11	30	124	-	-	-	11	30	124
MANHATTAN BRIDGE	-	-	-	-	-	-	-	-	-
HUGH L. CAREY TUNNEL	-	-	-	4,937	13,235	22,174	4,937	13,235	22,174
SECTOR TOTAL	11	30	124	4,937	13,235	22,174	4,948	13,265	22,298
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	-	-	-	3,195	7,857	9,940	3,195	7,857	9,940
ED KOCH QUEENSBORO BRIDGE	146	402	1,695	-	-	-	146	402	1,695
SECTOR TOTAL	146	402	1,695	3,195	7,857	9,940	3,341	8,259	11,635
NEW JERSEY SECTOR									
HOLLAND TUNNEL	-	-	-	2,700	6,505	16,385	2,700	6,505	16,385
LINCOLN TUNNEL	-	-	-	33,949	89,827	202,951	33,949	89,827	202,951
SECTOR TOTAL	-	-	-	36,649	96,332	219,336	36,649	96,332	219,336
TOTAL, ALL SECTORS	2,408	5,551	19,834	46,104	121,858	262,444	48,512	127,409	282,278

TABLE 19
WHERE AND WHEN BUS PASSENGERS LEFT THE HUB
ON A FALL BUSINESS DAY IN 2017

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	150	370	1,070	-	-	-	150	370	1,070
FIRST AVENUE	178	546	2,364	535	1,716	6,495	713	2,262	8,859
THIRD AVENUE	405	1,088	3,901	46	104	212	451	1,192	4,113
MADISON AVENUE	844	2,350	6,406	969	2,724	4,824	1,813	5,074	11,230
CENTRAL PARK WEST	56	161	613	-	-	-	56	161	613
BROADWAY	311	784	2,470	16	57	165	327	841	2,635
AMSTERDAM AVENUE	126	354	1,295	-	-	-	126	354	1,295
WEST END AVENUE	65	212	941	-	-	-	65	212	941
SECTOR TOTAL	2,135	5,865	19,060	1,566	4,601	11,696	3,701	10,466	30,756
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	9	64	205	-	-	-	9	64	205
MANHATTAN BRIDGE	-	-	-	-	-	-	-	-	-
HUGH L. CAREY TUNNEL	-	-	-	5,264	11,949	20,067	5,264	11,949	20,067
SECTOR TOTAL	9	64	205	5,264	11,949	20,067	5,273	12,013	20,272
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	-	-	-	435	930	1,247	435	930	1,247
ED KOCH QUEENSBORO BRIDGE	296	816	2,506	1,748	3,765	5,152	2,044	4,581	7,658
SECTOR TOTAL	296	816	2,506	2,183	4,695	6,399	2,479	5,511	8,905
NEW JERSEY SECTOR									
HOLLAND TUNNEL	-	-	-	1,498	4,020	11,872	1,498	4,020	11,872
LINCOLN TUNNEL	-	-	-	30,274	78,930	203,299	30,274	78,930	203,299
SECTOR TOTAL	-	-	-	31,772	82,950	215,171	31,772	82,950	215,171
TOTAL, ALL SECTORS	2,440	6,745	21,771	40,785	104,195	253,333	43,225	110,940	275,104

TABLE 20
LEVEL OF COMFORT (1) AND FREQUENCY OF SERVICE (2)
FOR PUBLIC TRANSPORTATION VEHICLES ENTERING THE HUB ON A FALL BUSINESS DAY IN 2016 AND 2017
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)	
	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017
60TH STREET SECTOR														
SECOND AVE LOCAL (3)	-	9	-	90	-	39,600	-	12,771	-	142	-	3	-	7
LEXINGTON AVE EXPRESS	24	22	240	220	105,600	96,800	28,230	19,403	118	88	4	5	3	3
LEXINGTON AVE LOCAL	21	20	210	200	92,400	88,000	21,033	15,519	100	78	4	6	3	3
EIGHTH AVE EXPRESS	17	18	136	144	102,000	108,000	23,246	24,258	171	168	4	4	4	3
EIGHTH AVE LOCAL	13	13	104	104	70,408	70,408	12,614	12,026	121	116	6	6	5	5
BROADWAY/7TH AVE EXPRESS	23	21	230	210	101,200	92,400	28,427	25,771	124	123	4	4	3	3
BROADWAY/7TH AVE LOCAL	18	15	180	150	79,200	66,000	13,424	10,269	75	68	6	6	3	4
MTA/AMTRAK TUN.	53	53	422	420	254,044	252,840	34,692	35,960	82	86	7	7	1	1
BUSES	-	-	169	167	54,980	54,340	3,935	3,574	23	21	14	15	-	-
SECTOR AVERAGE	169	171	1,691	1,705	859,832	868,388	165,601	159,551	102	99	5	5	3	4
BROOKLYN SECTOR														
14TH ST. TUNNEL	19	19	152	152	91,504	91,504	23,987	26,796	158	176	4	3	3	3
WILLIAMSBURG BRIDGE	19	17	152	136	91,504	81,872	16,657	11,887	110	87	5	7	3	4
RUTGERS ST. TUNNEL	14	12	140	120	99,820	85,560	14,280	8,682	102	72	7	10	4	5
MANHATTAN BRIDGE	38	38	340	342	226,780	228,114	43,550	45,495	128	133	5	5	2	2
CRANBERRY ST. TUNNEL	20	24	160	192	111,040	133,248	21,721	25,093	136	131	5	5	3	3
CLARK ST. TUNNEL	16	18	160	180	70,400	79,200	13,536	14,856	85	83	5	5	4	3
MONTAGUE ST. TUNNEL	8	10	64	80	38,528	48,160	5,595	6,258	87	78	7	8	8	6
JORALEMON ST. TUNNEL	20	21	200	210	88,000	92,400	16,504	16,507	83	79	5	6	3	3
BUSES	-	-	155	145	50,100	46,860	5,556	4,948	36	34	9	9	-	-
SECTOR AVERAGE	154	159	1,523	1,557	867,676	886,918	161,386	160,522	103	97	5	6	4	3
QUEENS SECTOR														
60TH STREET TUNNEL	23	22	212	204	127,624	122,808	29,005	25,377	137	124	4	5	3	3
53RD STREET TUNNEL	22	22	204	200	122,808	120,400	22,491	28,362	110	142	5	4	3	3
STEINWAY TUNNEL	24	25	264	275	116,160	121,000	20,895	22,260	79	81	6	5	3	2
63RD STREET TUNNEL	13	13	130	130	92,690	92,690	17,816	14,008	137	108	5	7	5	5
LIRR/AMTRAK TUNNELS	37	37	390	390	234,780	234,780	34,099	33,682	87	86	7	7	2	2
BUSES	-	-	127	126	42,800	42,540	2,723	3,341	21	27	16	13	-	-
SECTOR AVERAGE	119	119	1,327	1,325	736,862	734,218	127,029	127,030	95	95	6	6	3	3
NEW JERSEY SECTOR														
PATH DOWNTOWN TUNNEL	25	25	200	200	73,600	73,600	15,936	17,766	80	89	5	4	2	2
PATH UPTOWN TUNNEL	24	24	168	168	61,824	61,824	17,061	17,605	102	105	4	4	3	3
N.J. TRANSIT/AMTRAK TUNNEL	25	26	224	237	134,848	142,674	29,942	26,614	134	112	5	5	2	2
BUSES	-	-	1,007	945	322,240	302,400	39,050	36,649	39	39	8	8	-	-
SECTOR AVERAGE	74	75	1,599	1,550	592,512	580,498	101,989	98,634	88	86	6	6	2	2
STATEN ISLAND FERRY	4	4	4	4	80,000	80,000	5,479	6,252	1,370	1,563	15	13	15	15
ROOSEVELT ISLAND TRAMWAY	8	8	8	8	2,075	2,075	756	334	95	42	3	6	8	8
TOTAL/AVERAGE, ALL SECTORS	528	536	6,152	6,149	3,138,957	3,152,097	562,240	552,323	91	90	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 2015, 2016, AND 2017

HOURS	2015			2016			2017		
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
12:00am	32,189	69,256	101,445	30,749	72,305	103,054	30,856	67,290	98,146
1:00am	17,848	38,477	56,325	17,708	37,623	55,331	17,985	35,843	53,828
2:00am	12,967	21,177	34,144	13,148	21,194	34,342	13,116	19,638	32,754
3:00am	13,312	15,683	28,995	14,022	15,479	29,501	14,476	16,046	30,522
4:00am	26,760	18,809	45,569	26,875	19,071	45,946	29,232	19,608	48,840
5:00am	84,954	35,425	120,379	91,393	36,256	127,649	95,898	39,275	135,173
6:00am	226,567	88,271	314,838	228,607	87,025	315,632	238,194	93,234	331,428
7:00am	430,394	154,668	585,062	427,554	150,047	577,601	427,687	152,499	580,186
8:00am	625,817	173,181	798,998	625,878	167,914	793,792	615,885	165,197	781,082
9:00am	395,773	137,267	533,040	394,607	133,461	528,068	390,382	133,922	524,304
10:00am	217,292	109,146	326,438	214,598	108,179	322,777	206,613	109,059	315,672
11:00am	169,260	109,787	279,047	163,848	110,105	273,953	162,336	110,189	272,525
12:00pm	151,257	122,175	273,432	152,567	122,050	274,617	150,362	123,237	273,599
1:00pm	147,806	137,706	285,512	149,024	139,381	288,405	145,658	138,223	283,881
2:00pm	157,541	167,681	325,222	159,739	170,897	330,636	155,918	172,819	328,737
3:00pm	180,994	234,615	415,609	181,065	235,825	416,890	178,300	244,100	422,400
4:00pm	200,479	323,226	523,705	194,341	305,299	499,640	195,760	332,589	528,349
5:00pm	211,916	486,978	698,894	211,096	485,067	696,163	206,042	491,133	697,175
6:00pm	180,819	480,494	661,313	174,106	463,324	637,430	173,726	452,792	626,518
7:00pm	136,443	324,935	461,378	130,324	308,251	438,575	124,909	301,206	426,115
8:00pm	99,976	233,744	333,720	100,861	230,703	331,564	101,410	222,353	323,763
9:00pm	83,621	187,309	270,930	81,315	182,216	263,531	85,890	190,997	276,887
10:00pm	71,792	152,295	224,087	69,831	143,600	213,431	71,954	147,765	219,719
11:00pm	54,976	114,382	169,358	56,742	120,133	176,875	53,019	108,611	161,630
TOTAL	3,930,753	3,936,687	7,867,440	3,909,998	3,865,405	7,775,403	3,885,608	3,887,625	7,773,233

TABLE 21B
CUMULATIVE NUMBER OF PERSONS ENTERING THE HUB,
AT PEAK ACCUMULATION 1990-2017

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

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 2015, 2016, AND 2017

HOURS	2015			2016			2017		
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
12:00am	10,726	39,469	50,195	9,745	42,519	52,264	10,064	39,667	49,731
1:00am	4,673	19,286	23,959	4,419	19,000	23,419	4,858	18,396	23,254
2:00am	3,386	8,677	12,063	3,591	8,648	12,239	3,336	7,528	10,864
3:00am	3,842	5,391	9,233	4,380	5,008	9,388	4,691	5,659	10,350
4:00am	12,306	5,813	18,119	11,919	5,825	17,744	14,008	5,512	19,520
5:00am	53,886	15,181	69,067	59,014	14,579	73,593	61,385	15,113	76,498
6:00am	178,349	53,530	231,879	180,683	53,829	234,512	187,129	57,153	244,282
7:00am	373,869	112,133	486,002	372,829	109,289	482,118	372,899	110,806	483,705
8:00am	565,133	131,220	696,353	567,307	126,976	694,283	559,225	124,639	683,864
9:00am	337,600	96,729	434,329	339,815	94,997	434,812	336,245	95,545	431,790
10:00am	166,067	68,037	234,104	166,259	68,907	235,166	159,605	68,013	227,618
11:00am	123,828	68,332	192,160	119,077	69,851	188,928	118,511	67,229	185,740
12:00pm	106,402	77,856	184,258	108,765	79,776	188,541	108,041	78,005	186,046
1:00pm	103,848	91,211	195,059	105,663	94,782	200,445	103,588	90,428	194,016
2:00pm	111,085	116,494	227,579	115,222	121,858	237,080	112,806	120,353	233,159
3:00pm	134,646	177,866	312,512	135,988	182,792	318,780	134,591	187,770	322,361
4:00pm	152,985	262,043	415,028	147,875	248,604	396,479	151,155	274,154	425,309
5:00pm	162,519	425,255	587,774	163,934	427,572	591,506	159,851	431,779	591,630
6:00pm	131,289	416,169	547,458	126,713	404,326	531,039	127,699	392,731	520,430
7:00pm	88,520	264,854	353,374	83,696	250,598	334,294	80,896	243,321	324,217
8:00pm	57,536	178,074	235,610	57,440	177,055	234,495	59,733	169,683	229,416
9:00pm	44,293	135,790	180,083	40,490	131,000	171,490	46,305	140,842	187,147
10:00pm	34,068	102,766	136,834	31,603	94,881	126,484	32,923	98,689	131,612
11:00pm	22,245	74,484	96,729	24,344	77,583	101,927	20,875	68,186	89,061
TOTAL	2,983,101	2,946,660	5,929,761	2,980,771	2,910,255	5,891,026	2,970,419	2,911,201	5,881,620

TABLE 22B
CUMULATIVE NUMBER OF PASSENGERS ENTERING AND LEAVING THE HUB
BY PUBLIC TRANSPORTATION, AT PEAK ACCUMULATION, 1990-2017

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

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 2015, 2016, AND 2017

HOURS	2015			2016			2017		
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
12:00am	16,546	22,184	38,730	16,265	22,254	38,519	16,302	20,648	36,950
1:00am	10,169	14,301	24,470	10,286	13,939	24,225	10,297	13,065	23,362
2:00am	7,435	9,361	16,796	7,439	9,427	16,866	7,693	9,118	16,811
3:00am	7,386	7,763	15,149	7,540	7,908	15,448	7,714	7,882	15,596
4:00am	11,350	9,883	21,233	11,794	10,092	21,886	12,022	10,754	22,776
5:00am	24,394	15,463	39,857	25,499	16,560	42,059	27,244	18,456	45,700
6:00am	39,185	26,162	65,347	38,778	25,008	63,786	41,677	27,211	68,888
7:00am	44,732	31,609	76,341	43,027	30,245	73,272	43,242	30,971	74,213
8:00am	45,442	30,856	76,298	43,451	30,030	73,481	41,810	29,755	71,565
9:00am	43,580	29,416	72,996	40,925	27,956	68,881	40,258	27,833	68,091
10:00am	39,212	30,135	69,347	36,902	28,901	65,803	35,748	30,123	65,871
11:00am	34,790	30,473	65,263	34,071	29,703	63,774	33,446	31,623	65,069
12:00pm	33,615	32,200	65,815	32,747	30,785	63,532	31,589	32,863	64,452
1:00pm	33,078	34,273	67,351	32,536	33,023	65,559	31,549	35,313	66,862
2:00pm	35,068	37,417	72,485	33,602	35,931	69,533	32,335	38,313	70,648
3:00pm	35,509	41,975	77,484	34,638	39,291	73,929	33,412	41,771	75,183
4:00pm	35,809	44,235	80,044	35,227	40,867	76,094	33,534	42,171	75,705
5:00pm	36,789	43,477	80,266	35,057	40,196	75,253	33,961	41,358	75,319
6:00pm	37,259	43,994	81,253	35,474	40,221	75,695	34,260	40,899	75,159
7:00pm	36,216	42,193	78,409	35,092	40,155	75,247	33,056	40,409	73,465
8:00pm	32,198	40,176	72,374	32,852	38,717	71,569	31,616	37,974	69,590
9:00pm	30,207	37,494	67,701	31,262	37,223	68,485	30,354	36,691	67,045
10:00pm	29,105	36,243	65,348	29,484	35,857	65,341	30,140	36,108	66,248
11:00pm	25,096	29,348	54,444	24,952	31,398	56,350	24,830	29,879	54,709
TOTAL	724,170	720,631	1,444,801	708,900	695,687	1,404,587	698,089	711,188	1,409,277

TABLE 23B
CUMULATIVE NUMBER OF MOTOR VEHICLES ENTERING AND LEAVING THE HUB
AT PEAK ACCUMULATION, 1990-2017

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

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

TABLE 24
TOTAL PERSONS ENTERING THE HUB BY HOUR AND MODE IN 2017

HOURS	AUTO/TAXI VAN/TRUCK	SUBWAY	BUSES	SUBURBAN RAIL	FERRY	TRAMWAY	BICYCLE (1)	TOTAL
12:00am	20,734	7,796	725	1,462	74	7	58	30,856
1:00am	13,095	3,716	455	608	76	3	32	17,985
2:00am	9,759	2,566	399	339	32	0	21	13,116
3:00am	9,763	3,942	620	30	99	0	22	14,476
4:00am	15,156	11,452	1,694	570	292	0	68	29,232
5:00am	34,322	42,289	11,739	5,773	1,575	9	191	95,898
6:00am	50,169	126,388	30,429	25,688	4,553	71	896	238,194
7:00am	52,774	253,492	49,407	59,514	10,285	201	2,014	427,687
8:00am	52,800	400,969	48,512	96,256	13,154	334	3,860	615,885
9:00am	50,898	258,438	29,490	42,604	5,460	253	3,239	390,382
10:00am	44,986	129,613	10,916	15,921	3,019	136	2,022	206,613
11:00am	42,098	95,948	9,473	10,334	2,584	172	1,727	162,336
12:00pm	40,510	88,370	7,943	8,906	2,708	114	1,811	150,362
1:00pm	40,375	86,099	7,189	7,500	2,627	173	1,695	145,658
2:00pm	41,412	94,922	8,992	6,483	2,203	206	1,700	155,918
3:00pm	41,963	113,162	11,059	7,073	3,145	152	1,746	178,300
4:00pm	42,798	126,271	12,943	8,838	2,908	195	1,807	195,760
5:00pm	44,015	137,575	10,230	9,435	2,435	176	2,176	206,042
6:00pm	43,745	104,094	10,742	10,735	1,964	164	2,282	173,726
7:00pm	42,061	65,918	6,942	6,875	1,034	127	1,952	124,909
8:00pm	40,132	50,323	4,738	3,888	717	67	1,545	101,410
9:00pm	38,494	38,769	3,569	3,173	739	55	1,091	85,890
10:00pm	38,283	27,612	2,314	2,585	361	51	748	71,954
11:00pm	31,664	17,163	1,758	1,763	171	20	480	53,019
TOTAL	882,006	2,286,887	282,278	336,353	62,215	2,686	33,183	3,885,608

(1) - Excludes SI Ferry bicyclists

TABLE 25
TOTAL PERSONS LEAVING THE HUB BY HOUR AND MODE IN 2017

HOURS	AUTO/TAXI VAN/TRUCK	SUBWAY	BUSES	SUBURBAN RAIL	FERRY	TRAMWAY	BICYCLE (1)	TOTAL
12:00am	27,329	33,063	3,280	2,607	675	42	294	67,290
1:00am	17,294	15,111	1,408	1,381	473	23	153	35,843
2:00am	12,024	6,885	301	127	211	4	86	19,638
3:00am	10,346	4,686	492	324	157	0	41	16,046
4:00am	14,062	4,485	588	313	126	0	34	19,608
5:00am	24,121	12,392	1,669	855	196	1	41	39,275
6:00am	35,625	47,231	5,883	3,163	848	28	456	93,234
7:00am	40,791	92,331	10,899	6,539	994	43	902	152,499
8:00am	39,404	103,943	12,628	6,457	1,537	74	1,154	165,197
9:00am	37,246	77,670	12,285	4,254	1,253	83	1,131	133,922
10:00am	39,902	54,655	7,462	4,236	1,521	139	1,144	109,059
11:00am	41,578	55,298	5,572	4,379	1,801	179	1,382	110,189
12:00pm	43,538	64,476	5,173	5,876	2,346	134	1,694	123,237
1:00pm	46,173	74,247	6,264	6,976	2,747	194	1,622	138,223
2:00pm	50,732	96,649	8,964	11,443	3,068	229	1,734	172,819
3:00pm	54,579	148,721	13,372	21,229	4,242	206	1,751	244,100
4:00pm	56,271	204,328	24,941	36,474	8,187	224	2,164	332,589
5:00pm	55,911	299,509	43,225	77,163	11,610	272	3,443	491,133
6:00pm	55,606	279,596	42,774	60,160	9,900	301	4,455	452,792
7:00pm	54,392	184,529	24,087	29,191	5,293	221	3,493	301,206
8:00pm	50,428	133,622	16,044	17,642	2,233	142	2,242	222,353
9:00pm	48,437	111,621	12,730	14,019	2,351	121	1,718	190,997
10:00pm	47,687	77,504	9,854	9,701	1,520	110	1,389	147,765
11:00pm	39,469	56,217	5,209	5,779	921	60	956	108,611
TOTAL	942,945	2,238,769	275,104	330,288	64,210	2,830	33,479	3,887,625

(1) - Excludes SI Ferry bicyclists

TABLE 26
TOTAL PERSONS ENTERING THE HUB BY HOUR AND SECTOR IN 2017

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR (1)	NEW JERSEY SECTOR	STATEN ISLAND SECTOR (FERRY)	ROOSEVELT ISLAND (TRAMWAY)	TOTAL
12:00am	13,788	8,056	5,151	3,780	74	7	30,856
1:00am	7,863	4,672	3,110	2,261	76	3	17,985
2:00am	5,280	3,587	2,623	1,594	32	0	13,116
3:00am	5,578	3,860	2,902	2,037	99	0	14,476
4:00am	9,855	8,721	6,118	4,246	292	0	29,232
5:00am	29,172	25,054	19,054	21,508	1,101	9	95,898
6:00am	67,435	64,454	55,858	47,421	2,955	71	238,194
7:00am	124,573	113,638	99,798	83,784	5,693	201	427,687
8:00am	183,869	176,121	137,646	111,663	6,252	334	615,885
9:00am	116,460	122,691	84,951	64,046	1,981	253	390,382
10:00am	72,323	61,642	42,582	28,143	1,787	136	206,613
11:00am	60,548	46,950	31,096	21,781	1,789	172	162,336
12:00pm	58,189	43,146	29,293	17,785	1,835	114	150,362
1:00pm	59,566	40,900	26,761	16,306	1,952	173	145,658
2:00pm	63,176	44,379	28,616	17,977	1,564	206	155,918
3:00pm	75,185	48,022	32,385	20,117	2,439	152	178,300
4:00pm	82,956	50,759	35,100	24,747	2,003	195	195,760
5:00pm	88,428	53,875	35,964	26,172	1,427	176	206,042
6:00pm	75,180	43,639	29,316	24,267	1,160	164	173,726
7:00pm	56,579	30,772	19,803	16,992	636	127	124,909
8:00pm	50,466	24,662	14,891	10,779	545	67	101,410
9:00pm	41,515	21,007	13,085	9,634	594	55	85,890
10:00pm	33,609	19,219	10,730	8,045	300	51	71,954
11:00pm	25,458	13,583	7,806	5,990	162	20	53,019
TOTAL	1,407,051	1,073,409	774,639	591,075	36,748	2,686	3,885,608

(1) - Excludes Roosevelt Island passengers.

TABLE 27
TOTAL PERSONS LEAVING THE HUB BY HOUR AND SECTOR IN 2017

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR (1)	NEW JERSEY SECTOR	STATEN ISLAND SECTOR (FERRY)	ROOSEVELT ISLAND (TRAMWAY)	TOTAL
12:00am	25,571	20,178	13,259	7,580	660	42	67,290
1:00am	12,758	10,941	7,281	4,367	473	23	35,843
2:00am	7,679	5,681	3,935	2,128	211	4	19,638
3:00am	6,778	4,007	3,132	1,972	157	0	16,046
4:00am	7,967	4,361	4,389	2,765	126	0	19,608
5:00am	15,793	9,130	8,911	5,244	196	1	39,275
6:00am	41,020	22,402	16,591	12,423	770	28	93,234
7:00am	71,042	36,291	23,136	21,353	634	43	152,499
8:00am	76,023	38,855	23,395	25,905	945	74	165,197
9:00am	60,096	34,218	17,506	21,221	798	83	133,922
10:00am	49,530	27,033	16,854	14,302	1,201	139	109,059
11:00am	48,864	28,923	18,768	11,957	1,498	179	110,189
12:00pm	53,093	32,129	22,241	13,703	1,937	134	123,237
1:00pm	56,407	36,361	27,154	15,894	2,213	194	138,223
2:00pm	69,953	44,488	34,810	21,079	2,260	229	172,819
3:00pm	90,864	64,510	55,000	30,354	3,166	206	244,100
4:00pm	111,440	90,422	73,477	51,436	5,590	224	332,589
5:00pm	148,805	130,692	113,762	90,685	6,917	272	491,133
6:00pm	139,764	128,287	93,948	85,466	5,026	301	452,792
7:00pm	97,003	87,540	65,301	48,194	2,947	221	301,206
8:00pm	72,884	66,631	46,629	34,570	1,497	142	222,353
9:00pm	65,300	56,715	38,469	28,737	1,655	121	190,997
10:00pm	51,289	43,039	30,540	21,473	1,314	110	147,765
11:00pm	39,106	31,972	23,246	13,383	844	60	108,611
TOTAL	1,419,029	1,054,806	781,734	586,191	43,035	2,830	3,887,625

(1) - Excludes Roosevelt Island passengers.

Appendix III

Hourly Detail Tables - 2017

SECTION A
BUS TRANSIT BY SECTOR
SUMMARY, 2017-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	31	116	0	0	2	8	52	601	85	725
1:00am	14	35	1	3	3	11	34	406	52	455
2:00am	9	31	1	15	0	0	21	353	31	399
3:00am	8	30	1	21	0	0	23	569	32	620
4:00am	15	108	4	169	2	25	41	1,392	62	1,694
5:00am	54	709	38	1,636	6	78	226	9,316	324	11,739
6:00am	125	2,262	99	4,109	54	1,589	576	22,469	854	30,429
7:00am	186	3,785	167	6,671	130	3,885	835	35,066	1,318	49,407
8:00am	167	3,574	145	4,948	126	3,341	945	36,649	1,383	48,512
9:00am	128	2,194	54	1,646	68	1,033	795	24,617	1,045	29,490
10:00am	96	1,243	22	560	30	233	308	8,880	456	10,916
11:00am	105	1,455	16	416	22	270	269	7,332	412	9,473
12:00pm	113	1,584	15	329	21	172	210	5,858	359	7,943
1:00pm	110	1,424	16	339	21	153	241	5,273	388	7,189
2:00pm	112	1,365	14	335	20	150	312	7,142	458	8,992
3:00pm	119	1,777	16	410	24	168	418	8,704	577	11,059
4:00pm	137	1,781	13	272	19	156	560	10,734	729	12,943
5:00pm	112	1,699	8	149	27	117	519	8,265	666	10,230
6:00pm	110	1,368	6	87	21	55	536	9,232	673	10,742
7:00pm	87	747	4	41	22	51	353	6,103	466	6,942
8:00pm	84	637	4	46	17	47	247	4,008	352	4,738
9:00pm	72	473	3	54	16	47	195	2,995	286	3,569
10:00pm	64	350	2	36	11	33	140	1,895	217	2,314
11:00pm	45	262	1	6	3	13	111	1,477	160	1,758
TOTAL	2,103	29,009	650	22,298	665	11,635	7,967	219,336	11,385	282,278

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, 2017-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	53	358	12	346	6	122	81	2,454	152	3,280
1:00am	24	107	5	164	2	31	47	1,106	78	1,408
2:00am	10	38	1	21	0	0	19	242	30	301
3:00am	8	22	1	20	0	0	17	450	26	492
4:00am	9	40	1	10	2	6	15	532	27	588
5:00am	17	89	1	11	8	21	80	1,548	106	1,669
6:00am	52	501	1	16	7	21	327	5,345	387	5,883
7:00am	88	1,550	4	83	13	46	580	9,220	685	10,899
8:00am	108	1,593	6	114	16	42	723	10,879	853	12,628
9:00am	118	1,121	6	61	21	43	729	11,060	874	12,285
10:00am	114	998	6	72	22	52	412	6,340	554	7,462
11:00am	99	1,473	10	177	21	90	240	3,832	370	5,572
12:00pm	96	1,144	13	257	21	137	192	3,635	322	5,173
1:00pm	104	1,491	17	313	17	142	201	4,318	339	6,264
2:00pm	102	1,718	25	739	21	289	222	6,218	370	8,964
3:00pm	104	1,864	47	1,528	26	389	285	9,591	462	13,372
4:00pm	138	2,729	98	2,964	62	1,102	466	18,146	764	24,941
5:00pm	149	3,701	145	5,273	104	2,479	754	31,772	1,152	43,225
6:00pm	174	4,036	122	3,776	102	1,930	785	33,032	1,183	42,774
7:00pm	138	2,343	60	1,680	62	915	493	19,149	753	24,087
8:00pm	94	1,301	38	1,056	23	398	368	13,289	523	16,044
9:00pm	97	1,284	25	773	26	336	281	10,337	429	12,730
10:00pm	81	851	16	496	20	256	243	8,251	360	9,854
11:00pm	56	404	13	322	6	58	159	4,425	234	5,209
TOTAL	2,033	30,756	673	20,272	608	8,905	7,719	215,171	11,033	275,104

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 2017 - 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	2	14	2	19	0	0	2	19	11	49	0	0	11	49	3	11	0	0	0	0	3	11
1:00am	1	4	3	12	0	0	3	12	3	9	0	0	3	9	1	1	0	0	0	0	1	1
2:00am	0	0	2	6	0	0	2	6	3	13	0	0	3	13	1	3	0	0	0	0	1	3
3:00am	0	0	2	13	0	0	2	13	3	11	0	0	3	11	1	3	0	0	0	0	1	3
4:00am	0	0	4	35	1	10	5	45	4	28	0	0	4	28	1	11	0	0	0	0	1	11
5:00am	1	10	4	27	9	122	13	149	14	84	1	2	15	86	4	41	7	315	2	70	13	426
6:00am	3	33	8	96	13	257	21	353	13	101	3	76	16	177	18	251	35	1,177	3	84	56	1,512
7:00am	8	109	6	117	19	821	25	938	21	295	7	142	28	437	24	418	60	1,315	2	43	86	1,776
8:00am	8	211	4	157	16	618	20	775	14	317	7	125	21	442	43	1,078	36	523	1	22	80	1,623
9:00am	7	151	6	161	11	424	17	585	16	240	3	35	19	275	24	517	20	217	1	12	45	746
10:00am	7	79	3	52	8	275	11	327	14	184	3	44	17	228	16	211	14	127	1	19	31	357
11:00am	6	86	5	130	8	222	13	352	23	258	2	37	25	295	20	269	11	103	0	0	31	372
12:00pm	5	113	6	143	9	226	15	369	19	246	2	61	21	307	23	366	13	100	1	10	37	476
1:00pm	6	104	6	108	8	203	14	311	19	210	2	20	21	230	14	309	15	119	0	0	29	428
2:00pm	5	96	7	134	9	227	16	361	13	165	2	20	15	185	28	347	13	84	0	0	41	431
3:00pm	5	112	3	111	10	336	13	447	19	289	2	20	21	309	24	438	13	71	0	0	37	509
4:00pm	6	124	7	140	12	266	19	406	23	275	2	9	25	284	36	492	10	77	0	0	46	569
5:00pm	6	119	6	129	10	440	16	569	9	150	2	15	11	165	28	395	13	42	0	0	41	437
6:00pm	6	106	6	84	8	356	14	440	22	184	2	13	24	197	21	279	11	37	0	0	32	316
7:00pm	7	48	4	69	7	212	11	281	12	85	2	7	14	92	14	86	9	18	0	0	23	104
8:00pm	5	50	7	75	6	179	13	254	13	90	1	1	14	91	14	73	9	25	0	0	23	98
9:00pm	5	24	5	50	4	89	9	139	6	25	1	7	7	32	15	65	9	41	0	0	24	106
10:00pm	4	25	4	58	2	41	6	99	12	44	1	2	13	46	10	33	9	46	0	0	19	79
11:00pm	2	14	4	52	0	0	4	52	10	78	0	0	10	78	7	27	0	0	0	0	7	27
TOTAL	105	1,632	114	1,978	170	5,324	284	7,302	316	3,430	45	636	361	4,066	390	5,724	307	4,437	11	260	708	10,421

* 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 2017- 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	11	18	0	0	11	18	1	3	1	2	31	116	0	0	0	0	31	116
1:00am	5	8	0	0	5	8	1	1	0	0	14	35	0	0	0	0	14	35
2:00am	3	9	0	0	3	9	0	0	0	0	9	31	0	0	0	0	9	31
3:00am	2	3	0	0	2	3	0	0	0	0	8	30	0	0	0	0	8	30
4:00am	5	24	0	0	5	24	0	0	0	0	15	108	0	0	0	0	15	108
5:00am	8	24	0	0	8	24	3	13	1	1	44	322	8	317	2	70	54	709
6:00am	19	71	2	80	21	151	5	19	3	17	82	845	40	1,333	3	84	125	2,262
7:00am	25	260	4	73	29	333	6	139	4	53	113	2,212	71	1,530	2	43	186	3,785
8:00am	24	295	2	35	26	330	7	137	5	56	121	2,869	45	683	1	22	167	3,574
9:00am	27	279	2	29	29	308	5	97	6	32	102	1,901	25	281	1	12	128	2,194
10:00am	19	158	2	15	21	173	5	60	4	19	76	1,038	19	186	1	19	96	1,243
11:00am	20	261	2	17	22	278	5	44	3	28	90	1,298	15	157	0	0	105	1,455
12:00pm	24	211	2	25	26	236	5	53	4	30	95	1,388	17	186	1	10	113	1,584
1:00pm	27	198	2	9	29	207	6	75	5	69	91	1,276	19	148	0	0	110	1,424
2:00pm	26	187	2	12	28	199	3	51	4	42	95	1,249	17	116	0	0	112	1,365
3:00pm	28	195	2	7	30	202	7	115	6	83	102	1,679	17	98	0	0	119	1,777
4:00pm	28	182	2	14	30	196	5	121	6	81	123	1,681	14	100	0	0	137	1,781
5:00pm	27	207	2	8	29	215	4	99	5	95	95	1,634	17	65	0	0	112	1,699
6:00pm	21	120	2	3	23	123	5	72	6	114	95	1,315	15	53	0	0	110	1,368
7:00pm	22	127	2	1	24	128	4	47	4	47	74	721	13	26	0	0	87	747
8:00pm	19	63	2	2	21	65	3	26	5	53	72	609	12	28	0	0	84	637
9:00pm	20	102	2	6	22	108	3	39	2	25	60	419	12	54	0	0	72	473
10:00pm	14	49	2	1	16	50	2	21	4	30	52	301	12	49	0	0	64	350
11:00pm	15	59	0	0	15	59	3	20	4	12	45	262	0	0	0	0	45	262
TOTAL	439	3,110	36	337	475	3,447	88	1,252	82	889	1,704	23,339	388	5,410	11	260	2,103	29,009

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

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- See notes on page III-1

SECTION A
BUS TRANSIT BY ROUTE
60TH STREET SECTOR 2017-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	2	5	6	71	0	0	6	71	12	70	0	0	12	70	11	103	0	0	0	0	11	103
1:00am	2	2	5	27	0	0	5	27	6	30	0	0	6	30	0	0	0	0	0	0	0	0
2:00am	0	0	3	18	0	0	3	18	3	10	0	0	3	10	1	4	0	0	0	0	1	4
3:00am	0	0	2	10	0	0	2	10	3	7	0	0	3	7	1	3	0	0	0	0	1	3
4:00am	0	0	2	23	0	0	2	23	3	10	0	0	3	10	1	3	0	0	0	0	1	3
5:00am	1	5	2	44	0	0	2	44	6	23	0	0	6	23	2	2	0	0	0	0	2	2
6:00am	6	50	3	34	7	210	10	244	14	86	1	3	15	89	3	36	2	4	0	0	5	40
7:00am	2	11	4	95	10	653	14	748	16	212	2	5	18	217	17	211	8	33	0	0	25	244
8:00am	7	66	6	109	20	765	26	874	12	127	2	5	14	132	18	248	8	14	0	0	26	262
9:00am	5	18	5	75	19	382	24	457	19	174	2	2	21	176	20	197	14	46	0	0	34	243
10:00am	5	27	5	93	8	209	13	302	13	185	2	0	15	185	33	217	12	30	0	0	45	247
11:00am	3	17	8	155	10	430	18	585	11	234	1	4	12	238	22	305	12	69	0	0	34	374
12:00pm	5	63	6	120	7	279	13	399	18	201	2	1	20	202	18	220	11	47	1	3	30	270
1:00pm	5	44	6	162	7	316	13	478	10	166	2	9	12	175	23	406	16	81	0	0	39	487
2:00pm	4	82	4	156	7	341	11	497	16	338	3	3	19	341	20	328	13	122	1	8	34	458
3:00pm	6	71	6	247	4	290	10	537	18	311	1	5	19	316	19	376	17	200	1	27	37	603
4:00pm	5	52	5	179	8	608	13	787	15	328	6	36	21	364	26	505	32	450	2	30	60	985
5:00pm	7	150	7	178	9	535	16	713	12	405	4	46	16	451	22	844	42	908	2	61	66	1,813
6:00pm	8	168	7	189	11	573	18	762	19	355	4	22	23	377	38	1,001	46	1,229	2	46	86	2,276
7:00pm	7	89	6	135	11	323	17	458	19	223	4	30	23	253	24	538	32	682	1	26	57	1,246
8:00pm	5	69	4	78	7	224	11	302	14	114	3	12	17	126	18	281	14	272	1	25	33	578
9:00pm	4	40	7	61	5	152	12	213	19	139	2	17	21	156	15	356	15	255	0	0	30	611
10:00pm	4	32	4	34	7	151	11	185	12	78	2	12	14	90	13	141	10	156	0	0	23	297
11:00pm	2	9	6	71	3	54	9	125	12	75	0	0	12	75	11	81	0	0	0	0	11	81
TOTAL	95	1,070	119	2,364	160	6,495	279	8,859	302	3,901	43	212	345	4,113	376	6,406	304	4,598	11	226	691	11,230

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

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- See notes on page III-1

SECTION A
60TH STREET SECTOR 2017-OUTBOUND (CONT'D)

HOURS	CP West **		BROADWAY						AMSTERDAM AVE.		WEST END AVE		TOTAL							
	NYCT LOCAL		NYCT LOCAL		MTA BUS CO.		TOTAL		NYCT LOCAL		NYCT LOCAL		NYC TRANSIT		MTA BUS CO.		WCDOT *		ALL	
	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS
12:00 am	5	17	11	82	0	0	11	82	1	2	5	8	53	358	0	0	0	0	53	358
1:00am	3	4	8	44	0	0	8	44	0	0	0	0	24	107	0	0	0	0	24	107
2:00am	1	1	2	5	0	0	2	5	0	0	0	0	10	38	0	0	0	0	10	38
3:00am	0	0	2	2	0	0	2	2	0	0	0	0	8	22	0	0	0	0	8	22
4:00am	0	0	3	4	0	0	3	4	0	0	0	0	9	40	0	0	0	0	9	40
5:00am	2	7	4	8	0	0	4	8	0	0	0	0	17	89	0	0	0	0	17	89
6:00am	3	4	7	27	0	0	7	27	3	25	3	22	49	494	3	7	0	0	52	501
7:00am	6	43	13	93	1	2	14	95	4	92	5	100	77	1,510	11	40	0	0	88	1,550
8:00am	8	11	14	51	2	1	16	52	6	91	5	105	96	1,573	12	20	0	0	108	1,593
9:00am	5	8	16	60	2	1	18	61	7	99	4	59	100	1,072	18	49	0	0	118	1,121
10:00am	6	40	19	99	2	1	21	100	5	56	4	41	98	967	16	31	0	0	114	998
11:00am	5	23	16	123	2	2	18	125	5	64	4	47	84	1,398	15	75	0	0	99	1,473
12:00pm	5	23	12	69	2	3	14	72	5	72	4	43	80	1,090	15	51	1	3	96	1,144
1:00pm	7	40	16	103	2	8	18	111	6	93	4	63	84	1,393	20	98	0	0	104	1,491
2:00pm	5	26	18	133	2	8	20	141	5	104	4	69	83	1,577	18	133	1	8	102	1,718
3:00pm	9	60	15	144	2	10	17	154	2	52	4	71	83	1,622	20	215	1	27	104	1,864
4:00pm	8	55	16	238	2	7	18	245	7	151	6	90	96	2,206	40	493	2	30	138	2,729
5:00pm	9	56	20	311	4	16	24	327	6	126	5	65	97	2,670	50	970	2	61	149	3,701
6:00pm	8	50	18	235	4	34	22	269	4	77	5	57	118	2,705	54	1,285	2	46	174	4,036
7:00pm	9	40	14	139	2	17	16	156	5	60	4	41	99	1,588	38	729	1	26	138	2,343
8:00pm	5	14	14	148	2	15	16	163	4	35	3	14	74	977	19	299	1	25	94	1,301
9:00pm	5	26	13	134	2	24	15	158	4	53	6	27	78	988	19	296	0	0	97	1,284
10:00pm	6	42	15	154	2	16	17	170	2	23	4	12	67	667	14	184	0	0	81	851
11:00pm	6	23	9	64	0	0	9	64	3	20	4	7	56	404	0	0	0	0	56	404
TOTAL	126	613	295	2,470	35	165	330	2,635	84	1,295	83	941	1,640	25,555	382	4,975	11	226	2,033	30,756

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

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- See notes on page III-1

SECTION A
BUS TRANSIT BY ROUTE
BROOKLYN SECTOR 2017-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00am	1	3	0	0	1	3	0	0	0	0	1	3	0	0	1	3
2:00am	1	15	0	0	1	15	0	0	0	0	1	15	0	0	1	15
3:00am	1	21	0	0	1	21	0	0	0	0	1	21	0	0	1	21
4:00am	4	169	0	0	4	169	0	0	0	0	4	169	0	0	4	169
5:00am	36	1,587	2	49	38	1,636	0	0	0	0	36	1,587	2	49	38	1,636
6:00am	90	3,803	9	306	99	4,109	0	0	0	0	90	3,803	9	306	99	4,109
7:00am	145	5,954	21	711	166	6,665	1	6	1	6	146	5,960	21	711	167	6,671
8:00am	120	4,506	23	431	143	4,937	2	11	2	11	122	4,517	23	431	145	4,948
9:00am	44	1,498	8	135	52	1,633	2	13	2	13	46	1,511	8	135	54	1,646
10:00am	14	486	6	64	20	550	2	10	2	10	16	496	6	64	22	560
11:00am	12	405	2	4	14	409	2	7	2	7	14	412	2	4	16	416
12:00pm	10	313	3	11	13	324	2	5	2	5	12	318	3	11	15	329
1:00pm	10	315	4	15	14	330	2	9	2	9	12	324	4	15	16	339
2:00pm	10	321	2	6	12	327	2	8	2	8	12	329	2	6	14	335
3:00pm	10	387	4	11	14	398	2	12	2	12	12	399	4	11	16	410
4:00pm	10	258	1	1	11	259	2	13	2	13	12	271	1	1	13	272
5:00pm	6	137	0	0	6	137	2	12	2	12	8	149	0	0	8	149
6:00pm	4	84	0	0	4	84	2	3	2	3	6	87	0	0	6	87
7:00pm	2	36	0	0	2	36	2	5	2	5	4	41	0	0	4	41
8:00pm	2	39	0	0	2	39	2	7	2	7	4	46	0	0	4	46
9:00pm	2	51	0	0	2	51	1	3	1	3	3	54	0	0	3	54
10:00pm	2	36	0	0	2	36	0	0	0	0	2	36	0	0	2	36
11:00pm	1	6	0	0	1	6	0	0	0	0	1	6	0	0	1	6
TOTAL	537	20,430	85	1,744	622	22,174	28	124	28	124	565	20,554	85	1,744	650	22,298

- 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 2017-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	12	346	0	0	12	346	0	0	0	0	12	346	0	0	12	346
1:00am	5	164	0	0	5	164	0	0	0	0	5	164	0	0	5	164
2:00am	1	21	0	0	1	21	0	0	0	0	1	21	0	0	1	21
3:00am	1	20	0	0	1	20	0	0	0	0	1	20	0	0	1	20
4:00am	1	10	0	0	1	10	0	0	0	0	1	10	0	0	1	10
5:00am	1	11	0	0	1	11	0	0	0	0	1	11	0	0	1	11
6:00am	1	16	0	0	1	16	0	0	0	0	1	16	0	0	1	16
7:00am	2	71	0	0	2	71	2	12	2	12	4	83	0	0	4	83
8:00am	4	105	0	0	4	105	2	9	2	9	6	114	0	0	6	114
9:00am	4	52	0	0	4	52	2	9	2	9	6	61	0	0	6	61
10:00am	4	58	0	0	4	58	2	14	2	14	6	72	0	0	6	72
11:00am	8	158	0	0	8	158	2	19	2	19	10	177	0	0	10	177
12:00pm	9	240	2	6	11	246	2	11	2	11	11	251	2	6	13	257
1:00pm	9	285	6	17	15	302	2	11	2	11	11	296	6	17	17	313
2:00pm	19	718	4	14	23	732	2	7	2	7	21	725	4	14	25	739
3:00pm	39	1,436	6	60	45	1,496	2	32	2	32	41	1,468	6	60	47	1,528
4:00pm	80	2,723	16	214	96	2,937	2	27	2	27	82	2,750	16	214	98	2,964
5:00pm	127	4,983	16	281	143	5,264	2	9	2	9	129	4,992	16	281	145	5,273
6:00pm	98	3,396	22	352	120	3,748	2	28	2	28	100	3,424	22	352	122	3,776
7:00pm	49	1,542	9	132	58	1,674	2	6	2	6	51	1,548	9	132	60	1,680
8:00pm	28	949	8	97	36	1,046	2	10	2	10	30	959	8	97	38	1,056
9:00pm	21	737	3	35	24	772	1	1	1	1	22	738	3	35	25	773
10:00pm	15	488	1	8	16	496	0	0	0	0	15	488	1	8	16	496
11:00pm	13	322	0	0	13	322	0	0	0	0	13	322	0	0	13	322
TOTAL	551	18,851	93	1,216	644	20,067	29	205	29	205	580	19,056	93	1,216	673	20,272

- 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 2017-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	8	0	0	2	8	0	0	0	0	0	0	2	8	0	0	2	8
1:00am	3	11	0	0	3	11	0	0	0	0	0	0	3	11	0	0	3	11
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	2	25	2	25	0	0	0	0	0	0	0	0	2	25	2	25
5:00am	0	0	6	78	6	78	0	0	0	0	0	0	0	0	6	78	6	78
6:00am	3	29	5	75	8	104	5	207	41	1,278	46	1,485	8	236	46	1,353	54	1,589
7:00am	5	74	9	118	14	192	13	433	103	3,260	116	3,693	18	507	112	3,378	130	3,885
8:00am	5	45	7	101	12	146	10	245	104	2,950	114	3,195	15	290	111	3,051	126	3,341
9:00am	6	32	8	32	14	64	3	64	51	905	54	969	9	96	59	937	68	1,033
10:00am	6	43	11	40	17	83	0	0	13	150	13	150	6	43	24	190	30	233
11:00am	5	66	7	74	12	140	0	0	10	130	10	130	5	66	17	204	22	270
12:00pm	5	51	7	33	12	84	0	0	9	88	9	88	5	51	16	121	21	172
1:00pm	4	41	9	68	13	109	0	0	8	44	8	44	4	41	17	112	21	153
2:00pm	6	75	6	35	12	110	0	0	8	40	8	40	6	75	14	75	20	150
3:00pm	6	54	11	83	17	137	0	0	7	31	7	31	6	54	18	114	24	168
4:00pm	5	59	7	47	12	106	0	0	7	50	7	50	5	59	14	97	19	156
5:00pm	7	24	11	60	18	84	0	0	9	33	9	33	7	24	20	93	27	117
6:00pm	7	24	9	22	16	46	0	0	5	9	5	9	7	24	14	31	21	55
7:00pm	5	17	12	28	17	45	0	0	5	6	5	6	5	17	17	34	22	51
8:00pm	6	22	8	20	14	42	0	0	3	5	3	5	6	22	11	25	17	47
9:00pm	4	24	5	12	9	36	0	0	7	11	7	11	4	24	12	23	16	47
10:00pm	3	22	5	10	8	32	0	0	3	1	3	1	3	22	8	11	11	33
11:00pm	3	13	0	0	3	13	0	0	0	0	0	0	3	13	0	0	3	13
TOTAL	96	734	145	961	241	1,695	31	949	393	8,991	424	9,940	127	1,683	538	9,952	665	11,635

- 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 2017-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	6	122	0	0	0	0	0	0	6	122	0	0	0	0	6	122	0	0	6	122
1:00am	2	31	0	0	0	0	0	0	2	31	0	0	0	0	2	31	0	0	2	31
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	0	0	0	0	2	6	0	0	2	6	0	0	0	0	0	0	2	6	2	6
5:00am	3	10	0	0	5	11	0	0	8	21	0	0	0	0	3	10	5	11	8	21
6:00am	1	3	0	0	6	18	0	0	7	21	0	0	0	0	1	3	6	18	7	21
7:00am	4	21	0	0	9	25	0	0	13	46	0	0	0	0	4	21	9	25	13	46
8:00am	2	15	0	0	9	22	5	5	16	42	0	0	0	0	2	15	14	27	16	42
9:00am	4	13	0	0	10	16	7	14	21	43	0	0	0	0	4	13	17	30	21	43
10:00am	3	14	0	0	11	26	8	12	22	52	0	0	0	0	3	14	19	38	22	52
11:00am	6	36	0	0	8	37	7	17	21	90	0	0	0	0	6	36	15	54	21	90
12:00pm	5	55	0	0	8	50	7	30	20	135	1	2	1	2	5	55	16	82	21	137
1:00pm	3	33	0	0	5	37	8	71	16	141	1	1	1	1	3	33	14	109	17	142
2:00pm	4	95	0	0	7	76	8	99	19	270	2	19	2	19	4	95	17	194	21	289
3:00pm	5	84	0	0	7	59	11	193	23	336	3	53	3	53	5	84	21	305	26	389
4:00pm	4	69	7	181	8	114	37	599	56	963	6	139	6	139	11	250	51	852	62	1,102
5:00pm	6	183	10	300	9	113	68	1,448	93	2,044	11	435	11	435	16	483	88	1,996	104	2,479
6:00pm	8	167	8	264	12	170	55	973	83	1,574	19	356	19	356	16	431	86	1,499	102	1,930
7:00pm	3	96	5	110	10	78	34	431	52	715	10	200	10	200	8	206	54	709	62	915
8:00pm	4	84	0	0	7	69	11	221	22	374	1	24	1	24	4	84	19	314	23	398
9:00pm	11	144	0	0	8	68	6	114	25	326	1	10	1	10	11	144	15	192	26	336
10:00pm	8	132	0	0	5	46	6	70	19	248	1	8	1	8	8	132	12	124	20	256
11:00pm	6	58	0	0	0	0	0	0	6	58	0	0	0	0	6	58	0	0	6	58
TOTAL	98	1,465	30	855	146	1,041	278	4,297	552	7,658	56	1,247	56	1,247	128	2,320	480	6,585	608	8,905

- 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

2017-INBOUND**2017-OUTBOUND ⁽¹⁾**

HOURS	HOLLAND TUNNEL		LINCOLN TUNNEL		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	2	23	50	578	52	601
1:00am	4	48	30	358	34	406
2:00am	6	101	15	252	21	353
3:00am	3	74	20	495	23	569
4:00am	8	272	33	1,120	41	1,392
5:00am	15	520	211	8,796	226	9,316
6:00am	40	1,498	536	20,971	576	22,469
7:00am	52	1,899	783	33,167	835	35,066
8:00am	74	2,700	871	33,949	945	36,649
9:00am	55	1,906	740	22,711	795	24,617
10:00am	31	894	277	7,986	308	8,880
11:00am	19	518	250	6,814	269	7,332
12:00pm	10	279	200	5,579	210	5,858
1:00pm	16	350	225	4,923	241	5,273
2:00pm	30	687	282	6,455	312	7,142
3:00pm	55	1,145	363	7,559	418	8,704
4:00pm	50	958	510	9,776	560	10,734
5:00pm	57	908	462	7,357	519	8,265
6:00pm	30	517	506	8,715	536	9,232
7:00pm	29	501	324	5,602	353	6,103
8:00pm	15	243	232	3,765	247	4,008
9:00pm	11	169	184	2,826	195	2,995
10:00pm	12	162	128	1,733	140	1,895
11:00pm	1	13	110	1,464	111	1,477
TOTAL	625	16,385	7,342	202,951	7,967	219,336

HOURS	HOLLAND TUNNEL		LINCOLN TUNNEL		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	1	40	80	2,414	81	2,454
1:00am	1	24	46	1,082	47	1,106
2:00am	0	4	19	238	19	242
3:00am	1	34	16	416	17	450
4:00am	1	45	14	487	15	532
5:00am	12	231	68	1,317	80	1,548
6:00am	20	332	307	5,013	327	5,345
7:00am	34	536	546	8,684	580	9,220
8:00am	60	903	663	9,976	723	10,879
9:00am	43	657	686	10,403	729	11,060
10:00am	26	400	386	5,940	412	6,340
11:00am	17	267	223	3,565	240	3,832
12:00pm	14	259	178	3,376	192	3,635
1:00pm	17	156	184	4,162	201	4,318
2:00pm	15	313	207	5,905	222	6,218
3:00pm	24	826	261	8,765	285	9,591
4:00pm	35	1,161	431	16,985	466	18,146
5:00pm	41	1,498	713	30,274	754	31,772
6:00pm	40	1,361	745	31,671	785	33,032
7:00pm	29	884	464	18,265	493	19,149
8:00pm	25	557	343	12,732	368	13,289
9:00pm	17	638	264	9,699	281	10,337
10:00pm	14	487	229	7,764	243	8,251
11:00pm	9	259	150	4,166	159	4,425
TOTAL	496	11,872	7,223	203,299	7,719	215,171

(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

2017-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	0	0	0	0	0	0	0	0	0	0	0	0	52	601	52	601
1:00am	0	0	0	0	0	0	1	3	0	0	0	0	0	0	34	406	35	409
2:00am	0	0	0	0	0	0	1	15	0	0	0	0	0	0	21	353	22	368
3:00am	0	0	0	0	0	0	1	21	0	0	0	0	0	0	23	569	24	590
4:00am	1	10	0	0	0	0	4	169	0	0	0	0	0	0	41	1,392	46	1,571
5:00am	9	122	8	317	2	70	36	1,587	2	49	0	0	0	0	226	9,316	283	11,461
6:00am	13	257	40	1,333	3	84	90	3,803	9	306	5	207	41	1,278	576	22,469	777	29,737
7:00am	19	821	71	1,530	2	43	145	5,954	21	711	13	433	103	3,260	835	35,066	1,209	47,818
8:00am	16	618	45	683	1	22	120	4,506	23	431	10	245	104	2,950	945	36,649	1,264	46,104
9:00am	11	424	25	281	1	12	44	1,498	8	135	3	64	51	905	795	24,617	938	27,936
10:00am	8	275	19	186	1	19	14	486	6	64	0	0	13	150	308	8,880	369	10,060
11:00am	8	222	15	157	0	0	12	405	2	4	0	0	10	130	269	7,332	316	8,250
12:00pm	9	226	17	186	1	10	10	313	3	11	0	0	9	88	210	5,858	259	6,692
1:00pm	8	203	19	148	0	0	10	315	4	15	0	0	8	44	241	5,273	290	5,998
2:00pm	9	227	17	116	0	0	10	321	2	6	0	0	8	40	312	7,142	358	7,852
3:00pm	10	336	17	98	0	0	10	387	4	11	0	0	7	31	418	8,704	466	9,567
4:00pm	12	266	14	100	0	0	10	258	1	1	0	0	7	50	560	10,734	604	11,409
5:00pm	10	440	17	65	0	0	6	137	0	0	0	0	9	33	519	8,265	561	8,940
6:00pm	8	356	15	53	0	0	4	84	0	0	0	0	5	9	536	9,232	568	9,734
7:00pm	7	212	13	26	0	0	2	36	0	0	0	0	5	6	353	6,103	380	6,383
8:00pm	6	179	12	28	0	0	2	39	0	0	0	0	3	5	247	4,008	270	4,259
9:00pm	4	89	12	54	0	0	2	51	0	0	0	0	7	11	195	2,995	220	3,200
10:00pm	2	41	12	49	0	0	2	36	0	0	0	0	3	1	140	1,895	159	2,022
11:00pm	0	0	0	0	0	0	1	6	0	0	0	0	0	0	111	1,477	112	1,483
TOTAL	170	5,324	388	5,410	11	260	537	20,430	85	1,744	31	949	393	8,991	7,967	219,336	9,582	262,444

Notes:

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

SECTION A
EXPRESS BUS RIDERSHIP BY SECTOR AND OPERATOR
2017-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	12	346	0	0	0	0	0	0	81	2,454	93	2,800
1:00am	0	0	0	0	0	0	5	164	0	0	0	0	0	0	47	1,106	52	1,270
2:00am	0	0	0	0	0	0	1	21	0	0	0	0	0	0	19	242	20	263
3:00am	0	0	0	0	0	0	1	20	0	0	0	0	0	0	17	450	18	470
4:00am	0	0	0	0	0	0	1	10	0	0	0	0	0	0	15	532	16	542
5:00am	0	0	0	0	0	0	1	11	0	0	0	0	0	0	80	1,548	81	1,559
6:00am	7	210	3	7	0	0	1	16	0	0	0	0	0	0	327	5,345	338	5,578
7:00am	10	653	11	40	0	0	2	71	0	0	0	0	0	0	580	9,220	603	9,984
8:00am	20	765	12	20	0	0	4	105	0	0	0	0	5	5	723	10,879	764	11,774
9:00am	19	382	18	49	0	0	4	52	0	0	0	0	7	14	729	11,060	777	11,557
10:00am	8	209	16	31	0	0	4	58	0	0	0	0	8	12	412	6,340	448	6,650
11:00am	10	430	15	75	0	0	8	158	0	0	0	0	7	17	240	3,832	280	4,512
12:00pm	7	279	15	51	1	3	9	240	2	6	0	0	8	32	192	3,635	234	4,246
1:00pm	7	316	20	98	0	0	9	285	6	17	0	0	9	72	201	4,318	252	5,106
2:00pm	7	341	18	133	1	8	19	718	4	14	0	0	10	118	222	6,218	281	7,550
3:00pm	4	290	20	215	1	27	39	1,436	6	60	0	0	14	246	285	9,591	369	11,865
4:00pm	8	608	40	493	2	30	80	2,723	16	214	7	181	43	738	466	18,146	662	23,133
5:00pm	9	535	50	970	2	61	127	4,983	16	281	10	300	79	1,883	754	31,772	1,047	40,785
6:00pm	11	573	54	1,285	2	46	98	3,396	22	352	8	264	74	1,329	785	33,032	1,054	40,277
7:00pm	11	323	38	729	1	26	49	1,542	9	132	5	110	44	631	493	19,149	650	22,642
8:00pm	7	224	19	299	1	25	28	949	8	97	0	0	12	245	368	13,289	443	15,128
9:00pm	5	152	19	296	0	0	21	737	3	35	0	0	7	124	281	10,337	336	11,681
10:00pm	7	151	14	184	0	0	15	488	1	8	0	0	7	78	243	8,251	287	9,160
11:00pm	3	54	0	0	0	0	13	322	0	0	0	0	0	0	159	4,425	175	4,801
TOTAL	160	6,495	382	4,975	11	226	551	18,851	93	1,216	30	855	334	5,544	7,719	215,171	9,280	253,333

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
2017

Route	Daily	12am-6am	6am-9am	9am-4pm	4pm-7pm	7pm-12am
BM1	977	21	480	88	313	75
BM2	710	0	318	58	242	92
BM3	720	28	344	105	187	56
BM4	553	0	306	92	106	49
BM5	647	0	285	67	214	81
BxM1	848	2	356	261	141	88
BxM2	502	0	191	147	82	82
BxM3	627	0	272	88	180	87
BxM4	257	0	100	42	52	63
BxM6	633	0	147	123	224	139
BxM7	1,948	121	543	336	583	365
BxM8	1,470	0	479	199	530	262
BxM9	1,960	163	771	319	518	189
BxM10	1,155	0	425	172	372	186
BxM11	789	31	190	137	239	192
BxM18	196	0	139	0	45	12
QM1	340	0	214	41	82	3
QM2	1,014	0	380	206	284	144
QM3	121	0	82	0	39	0
QM4	637	0	373	120	100	44
QM5	1,349	0	488	311	365	185
QM6	741	0	295	201	157	88
QM7	782	0	434	142	176	30
QM8	581	0	283	0	235	63
QM10	194	0	112	11	64	7
QM11	545	0	300	59	156	30
QM12	254	0	168	32	46	8
QM15	1,282	0	633	200	313	136
QM16	370	0	231	0	130	9
QM17	322	0	184	0	104	34
QM18	279	0	169	46	52	12
QM20	940	0	446	143	263	88
QM21	246	0	115	21	80	30
QM24	666	0	469	54	118	25
QM25	507	0	277	43	149	38
QM31	183	0	58	19	106	0
QM32	439	0	236	40	156	7
QM34	707	0	430	44	220	13
QM35	505	0	283	49	155	18
QM36	298	0	184	0	114	0
QM40	135	0	74	10	46	5
QM42	181	0	126	17	35	3
QM44	270	0	164	23	83	0
Total	27,880	366	12,554	4,066	7,856	3,038

SECTION B
SUBWAY BY SECTOR
SUMMARY, 2017-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	29	276	3,470	40	362	3,037	17	175	1,152	3	22	137	89	835	7,796
1:00am	26	248	1,630	32	290	1,418	12	123	586	4	30	82	74	691	3,716
2:00am	22	206	930	33	302	1,068	12	123	509	3	23	59	70	654	2,566
3:00am	25	236	1,526	34	310	1,338	14	144	906	3	22	172	76	712	3,942
4:00am	29	276	4,114	36	328	4,410	12	123	2,384	4	30	544	81	757	11,452
5:00am	37	354	14,628	42	378	14,404	21	208	10,225	7	53	3,032	107	993	42,289
6:00am	76	714	39,344	87	778	46,320	53	517	32,461	25	189	8,263	241	2,198	126,388
7:00am	96	910	78,706	122	1,084	91,826	72	714	61,071	43	324	21,889	333	3,032	253,492
8:00am	118	1,118	120,017	159	1,412	155,574	82	809	90,007	49	368	35,371	408	3,707	400,969
9:00am	101	948	75,094	128	1,140	106,402	72	714	59,309	36	271	17,633	337	3,073	258,438
10:00am	91	860	44,394	105	950	49,385	48	472	29,584	21	156	6,250	265	2,438	129,613
11:00am	87	820	35,493	102	922	35,693	41	398	20,549	21	156	4,213	251	2,296	95,948
12:00pm	86	816	33,779	107	962	32,314	52	505	18,894	21	156	3,383	266	2,439	88,370
1:00pm	95	898	36,330	96	862	29,769	44	429	16,898	21	156	3,102	256	2,345	86,099
2:00pm	88	832	39,901	106	948	33,048	45	436	18,871	21	156	3,102	260	2,372	94,922
3:00pm	96	906	51,133	118	1,060	36,630	53	512	21,884	25	188	3,515	292	2,666	113,162
4:00pm	112	1,054	57,561	131	1,178	39,910	69	673	23,530	33	249	5,270	345	3,154	126,271
5:00pm	109	1,022	61,080	134	1,212	42,765	78	770	24,672	45	339	9,058	366	3,343	137,575
6:00pm	95	890	47,452	118	1,068	33,234	70	692	17,642	39	292	5,766	322	2,942	104,094
7:00pm	87	822	31,614	116	1,046	21,220	59	582	10,491	25	187	2,593	287	2,637	65,918
8:00pm	75	704	27,433	105	938	14,513	57	565	7,024	23	172	1,353	260	2,379	50,323
9:00pm	63	592	20,790	95	842	11,116	46	463	5,764	19	142	1,099	223	2,039	38,769
10:00pm	54	498	13,615	74	652	9,393	34	342	3,876	16	120	728	178	1,612	27,612
11:00pm	38	362	8,606	56	500	5,539	26	269	2,734	5	38	284	125	1,169	17,163
TOTAL	1,735	16,362	848,640	2,176	19,524	820,326	1,089	10,758	481,023	512	3,839	136,898	5,512	50,483	2,286,887

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, 2017-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	36	344	13,391	38	342	11,477	20	206	7,179	3	22	1,016	97	914	33,063
1:00am	26	246	5,466	35	316	5,497	12	124	3,610	4	30	538	77	716	15,111
2:00am	24	228	2,795	28	254	2,133	13	132	1,580	3	23	377	68	637	6,885
3:00am	31	294	2,381	29	260	1,312	11	113	821	3	22	172	74	689	4,686
4:00am	26	248	1,855	30	270	1,346	12	123	1,071	4	30	213	72	671	4,485
5:00am	28	268	4,911	49	440	4,090	17	173	2,950	4	31	441	98	912	12,392
6:00am	51	478	22,615	82	740	14,055	36	358	8,917	22	167	1,644	191	1,743	47,231
7:00am	81	754	46,267	121	1,092	26,931	62	620	14,798	40	302	4,335	304	2,768	92,331
8:00am	108	1,004	51,231	127	1,132	28,896	75	744	16,128	47	353	7,688	357	3,233	103,943
9:00am	122	1,144	37,908	150	1,358	24,420	76	740	11,499	38	284	3,843	386	3,526	77,670
10:00am	99	940	27,690	115	1,034	16,771	53	519	8,672	22	164	1,522	289	2,657	54,655
11:00am	95	904	26,015	101	904	18,322	41	399	9,413	21	156	1,548	258	2,363	55,298
12:00pm	94	890	29,601	104	940	21,525	44	430	11,418	21	156	1,932	263	2,416	64,476
1:00pm	87	824	31,171	103	924	25,669	46	450	14,834	21	156	2,573	257	2,354	74,247
2:00pm	88	824	42,391	100	896	31,754	44	421	19,041	21	156	3,463	253	2,297	96,649
3:00pm	90	854	59,055	113	1,020	49,599	58	570	34,104	22	164	5,963	283	2,608	148,721
4:00pm	93	874	72,984	124	1,108	72,518	65	637	46,319	34	259	12,507	316	2,878	204,328
5:00pm	99	930	91,757	146	1,312	109,747	84	831	71,149	47	354	26,856	376	3,427	299,509
6:00pm	105	1,000	88,105	127	1,134	108,466	67	657	60,531	41	308	22,494	340	3,099	279,596
7:00pm	99	942	57,858	114	1,022	71,490	67	662	43,011	29	217	12,170	309	2,843	184,529
8:00pm	85	808	41,579	105	936	53,011	54	531	30,581	23	172	8,451	267	2,447	133,622
9:00pm	84	790	36,020	88	778	42,923	56	549	25,804	21	157	6,874	249	2,274	111,621
10:00pm	60	566	24,926	79	688	29,866	47	473	18,786	16	120	3,926	202	1,847	77,504
11:00pm	41	390	18,952	54	480	20,783	31	310	14,292	8	59	2,190	134	1,239	56,217
TOTAL	1,752	16,544	836,924	2,162	19,380	792,601	1,091	10,772	476,508	515	3,862	132,736	5,520	50,558	2,238,769

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, 2017-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	29	276	3,470	40	362	3,037	17	175	1,152	86	813	7,659
1:00am	26	248	1,630	32	290	1,418	12	123	586	70	661	3,634
2:00am	22	206	930	33	302	1,068	12	123	509	67	631	2,507
3:00am	25	236	1,526	34	310	1,338	14	144	906	73	690	3,770
4:00am	29	276	4,114	36	328	4,410	12	123	2,384	77	727	10,908
5:00am	37	354	14,628	42	378	14,404	21	208	10,225	100	940	39,257
6:00am	76	714	39,344	87	778	46,320	53	517	32,461	216	2,009	118,125
7:00am	96	910	78,706	122	1,084	91,826	72	714	61,071	290	2,708	231,603
8:00am	118	1,118	120,017	159	1,412	155,574	82	809	90,007	359	3,339	365,598
9:00am	101	948	75,094	128	1,140	106,402	72	714	59,309	301	2,802	240,805
10:00am	91	860	44,394	105	950	49,385	48	472	29,584	244	2,282	123,363
11:00am	87	820	35,493	102	922	35,693	41	398	20,549	230	2,140	91,735
12:00pm	86	816	33,779	107	962	32,314	52	505	18,894	245	2,283	84,987
1:00pm	95	898	36,330	96	862	29,769	44	429	16,898	235	2,189	82,997
2:00pm	88	832	39,901	106	948	33,048	45	436	18,871	239	2,216	91,820
3:00pm	96	906	51,133	118	1,060	36,630	53	512	21,884	267	2,478	109,647
4:00pm	112	1,054	57,561	131	1,178	39,910	69	673	23,530	312	2,905	121,001
5:00pm	109	1,022	61,080	134	1,212	42,765	78	770	24,672	321	3,004	128,517
6:00pm	95	890	47,452	118	1,068	33,234	70	692	17,642	283	2,650	98,328
7:00pm	87	822	31,614	116	1,046	21,220	59	582	10,491	262	2,450	63,325
8:00pm	75	704	27,433	105	938	14,513	57	565	7,024	237	2,207	48,970
9:00pm	63	592	20,790	95	842	11,116	46	463	5,764	204	1,897	37,670
10:00pm	54	498	13,615	74	652	9,393	34	342	3,876	162	1,492	26,884
11:00pm	38	362	8,606	56	500	5,539	26	269	2,734	120	1,131	16,879
TOTAL	1,735	16,362	848,640	2,176	19,524	820,326	1,089	10,758	481,023	5,000	46,644	2,149,989

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, 2017-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	36	344	13,391	38	342	11,477	20	206	7,179	94	892	32,047
1:00am	26	246	5,466	35	316	5,497	12	124	3,610	73	686	14,573
2:00am	24	228	2,795	28	254	2,133	13	132	1,580	65	614	6,508
3:00am	31	294	2,381	29	260	1,312	11	113	821	71	667	4,514
4:00am	26	248	1,855	30	270	1,346	12	123	1,071	68	641	4,272
5:00am	28	268	4,911	49	440	4,090	17	173	2,950	94	881	11,951
6:00am	51	478	22,615	82	740	14,055	36	358	8,917	169	1,576	45,587
7:00am	81	754	46,267	121	1,092	26,931	62	620	14,798	264	2,466	87,996
8:00am	108	1,004	51,231	127	1,132	28,896	75	744	16,128	310	2,880	96,255
9:00am	122	1,144	37,908	150	1,358	24,420	76	740	11,499	348	3,242	73,827
10:00am	99	940	27,690	115	1,034	16,771	53	519	8,672	267	2,493	53,133
11:00am	95	904	26,015	101	904	18,322	41	399	9,413	237	2,207	53,750
12:00pm	94	890	29,601	104	940	21,525	44	430	11,418	242	2,260	62,544
1:00pm	87	824	31,171	103	924	25,669	46	450	14,834	236	2,198	71,674
2:00pm	88	824	42,391	100	896	31,754	44	421	19,041	232	2,141	93,186
3:00pm	90	854	59,055	113	1,020	49,599	58	570	34,104	261	2,444	142,758
4:00pm	93	874	72,984	124	1,108	72,518	65	637	46,319	282	2,619	191,821
5:00pm	99	930	91,757	146	1,312	109,747	84	831	71,149	329	3,073	272,653
6:00pm	105	1,000	88,105	127	1,134	108,466	67	657	60,531	299	2,791	257,102
7:00pm	99	942	57,858	114	1,022	71,490	67	662	43,011	280	2,626	172,359
8:00pm	85	808	41,579	105	936	53,011	54	531	30,581	244	2,275	125,171
9:00pm	84	790	36,020	88	778	42,923	56	549	25,804	228	2,117	104,747
10:00pm	60	566	24,926	79	688	29,866	47	473	18,786	186	1,727	73,578
11:00pm	41	390	18,952	54	480	20,783	31	310	14,292	126	1,180	54,027
TOTAL	1,752	16,544	836,924	2,162	19,380	792,601	1,091	10,772	476,508	5,005	46,696	2,106,033

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, 2017-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	6	60	632	6	60	610	4	40	402	4	32	297	3	24	323	1	10	157	5	50	1,049	29	276	3,470
1:00am	3	30	173	7	70	404	3	30	127	3	24	122	3	24	222	1	10	82	6	60	500	26	248	1,630
2:00am	3	30	136	5	50	260	3	30	68	3	24	108	4	32	156	0	0	0	4	40	202	22	206	930
3:00am	3	30	194	5	50	489	3	30	39	3	24	252	4	32	226	4	40	128	3	30	198	25	236	1,526
4:00am	4	40	456	8	80	1,645	3	30	79	4	32	615	3	24	412	2	20	157	5	50	750	29	276	4,114
5:00am	7	70	4,687	5	50	2,159	4	40	674	5	40	3,210	3	24	414	7	70	1,613	6	60	1,871	37	354	14,628
6:00am	16	160	11,222	10	100	4,527	6	60	1,495	13	104	9,120	10	80	2,693	14	140	7,019	7	70	3,268	76	714	39,344
7:00am	22	220	22,052	12	120	7,299	7	70	5,302	14	112	15,402	11	88	6,272	17	170	14,478	13	130	7,901	96	910	78,706
8:00am	22	220	19,403	20	200	15,519	9	90	12,771	18	144	24,258	13	104	12,026	21	210	25,771	15	150	10,269	118	1,118	120,017
9:00am	17	170	7,349	12	120	10,831	8	80	7,959	17	136	15,148	14	112	7,572	20	200	17,977	13	130	8,258	101	948	75,094
10:00am	14	140	8,699	15	150	6,723	10	100	3,882	13	104	7,314	12	96	3,176	15	150	8,307	12	120	6,293	91	860	44,394
11:00am	16	160	7,297	16	160	5,584	9	90	3,142	13	104	6,417	12	96	2,990	13	130	6,282	8	80	3,781	87	820	35,493
12:00pm	14	140	6,014	14	140	4,790	10	100	2,901	12	96	5,495	10	80	2,715	15	150	6,823	11	110	5,041	86	816	33,779
1:00pm	16	160	7,029	16	160	6,188	12	120	3,419	13	104	5,831	13	104	2,836	15	150	6,475	10	100	4,552	95	898	36,330
2:00pm	16	160	7,999	14	140	6,057	10	100	3,663	14	112	7,151	10	80	3,088	14	140	6,515	10	100	5,428	88	832	39,901
3:00pm	19	190	10,955	15	150	8,265	9	90	5,036	15	120	8,276	12	96	4,229	15	150	7,731	11	110	6,641	96	906	51,133
4:00pm	24	240	11,503	16	160	8,650	8	80	5,039	19	152	8,545	14	112	5,648	17	170	9,876	14	140	8,300	112	1,054	57,561
5:00pm	18	180	9,907	14	140	9,088	9	90	6,945	19	152	9,627	15	120	6,085	19	190	11,244	15	150	8,184	109	1,022	61,080
6:00pm	13	130	6,747	16	160	8,018	8	80	5,475	18	144	6,513	12	96	4,601	15	150	8,572	13	130	7,526	95	890	47,452
7:00pm	16	160	5,075	14	140	4,729	6	60	3,705	13	104	4,025	11	88	2,838	14	140	6,283	13	130	4,959	87	822	31,614
8:00pm	10	100	4,901	10	100	4,126	8	80	3,044	12	96	5,766	11	88	1,569	12	120	3,842	12	120	4,185	75	704	27,433
9:00pm	9	90	3,488	10	100	2,859	6	60	1,807	10	80	4,694	9	72	1,342	9	90	3,591	10	100	3,009	63	592	20,790
10:00pm	9	90	2,808	8	80	1,769	6	60	1,331	9	72	2,129	12	96	1,170	4	40	1,230	6	60	3,178	54	498	13,615
11:00pm	9	90	1,649	6	60	1,413	5	50	945	4	32	650	5	40	979	4	40	979	5	50	1,991	38	362	8,606
TOTAL	306	3,060	160,375	274	2,740	122,002	166	1,660	79,250	268	2,144	150,965	226	1,808	73,582	268	2,680	155,132	227	2,270	107,334	1,735	16,362	848,640

* 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, 2017-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	11	110	4,150	6	60	1,746	5	50	804	8	64	3,893	0	0	0	1	10	470	5	50	2,328	36	344	13,391
1:00am	6	60	1,294	5	50	867	2	20	143	7	56	1,896	0	0	0	0	0	0	6	60	1,266	26	246	5,466
2:00am	6	60	753	3	30	341	3	30	146	6	48	842	0	0	0	0	0	0	6	60	713	24	228	2,795
3:00am	10	100	597	4	40	423	4	40	70	8	64	835	0	0	0	0	0	0	5	50	456	31	294	2,381
4:00am	7	70	532	3	30	275	3	30	107	6	48	435	0	0	0	0	0	0	7	70	506	26	248	1,855
5:00am	5	50	1,081	4	40	1,058	3	30	449	6	48	851	0	0	0	2	20	138	8	80	1,334	28	268	4,911
6:00am	8	80	5,011	6	60	3,861	7	70	3,435	12	96	3,736	4	32	562	8	80	3,708	6	60	2,302	51	478	22,615
7:00am	15	150	8,486	11	110	8,256	7	70	5,704	14	112	5,336	14	112	4,490	12	120	8,442	8	80	5,553	81	754	46,267
8:00am	18	180	9,391	14	140	9,617	9	90	5,504	24	192	7,500	14	112	4,031	16	160	9,357	13	130	5,831	108	1,004	51,231
9:00am	24	240	6,325	20	200	7,692	8	80	3,397	22	176	5,027	16	128	3,241	18	180	8,374	14	140	3,852	122	1,144	37,908
10:00am	20	200	4,942	13	130	4,967	12	120	2,574	14	112	3,945	11	88	2,561	15	150	5,572	14	140	3,129	99	940	27,690
11:00am	18	180	4,701	16	160	4,228	11	110	2,087	12	96	3,785	11	88	2,562	15	150	5,308	12	120	3,344	95	904	26,015
12:00pm	16	160	5,149	15	150	4,699	12	120	3,162	13	104	4,387	12	96	2,742	17	170	5,674	9	90	3,788	94	890	29,601
1:00pm	14	140	5,484	15	150	4,933	10	100	2,227	12	96	5,375	11	88	2,729	15	150	6,232	10	100	4,191	87	824	31,171
2:00pm	15	150	7,884	15	150	6,880	7	70	2,838	16	128	9,156	12	96	3,227	13	130	6,605	10	100	5,801	88	824	42,391
3:00pm	15	150	13,541	16	160	9,226	9	90	3,246	13	104	11,349	10	80	3,601	16	160	10,786	11	110	7,306	90	854	59,055
4:00pm	17	170	19,082	15	150	9,162	8	80	4,323	15	120	11,942	13	104	9,083	13	130	10,813	12	120	8,579	93	874	72,984
5:00pm	16	160	18,530	13	130	12,054	8	80	6,688	17	136	17,574	13	104	8,723	20	200	18,288	12	120	9,900	99	930	91,757
6:00pm	24	240	20,257	17	170	11,762	6	60	7,456	15	120	15,115	10	80	7,206	18	180	16,288	15	150	10,021	105	1,000	88,105
7:00pm	19	190	11,542	14	140	6,574	8	80	6,472	11	88	9,434	13	104	5,214	19	190	10,548	15	150	8,074	99	942	57,858
8:00pm	16	160	8,215	13	130	5,150	7	70	3,326	13	104	8,734	8	64	2,961	17	170	8,172	11	110	5,021	85	808	41,579
9:00pm	16	160	5,799	11	110	5,267	8	80	3,217	13	104	7,405	12	96	2,502	12	120	5,961	12	120	5,869	84	790	36,020
10:00pm	11	110	3,953	8	80	3,574	6	60	1,763	9	72	5,697	8	64	2,108	9	90	3,989	9	90	3,842	60	566	24,926
11:00pm	10	100	3,889	8	80	2,758	4	40	889	9	72	5,330	1	8	182	4	40	2,206	5	50	3,698	41	390	18,952
TOTAL	337	3,370	170,588	265	2,650	125,370	167	1,670	70,027	295	2,360	149,579	193	1,544	67,725	260	2,600	146,931	235	2,350	106,704	1,752	16,544	836,924

* 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, 2017-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	4	32	986	5	40	255	3	30	223	8	72	659	0	0	0
1:00am	4	32	436	3	24	97	3	30	129	5	44	216	0	0	0
2:00am	2	16	149	3	24	91	4	40	102	7	66	327	1	8	28
3:00am	3	24	258	3	24	125	4	40	81	6	54	371	0	0	0
4:00am	3	24	800	3	24	316	3	30	217	6	54	1,069	0	0	0
5:00am	6	48	3,502	6	48	1,310	4	40	705	7	64	3,083	2	20	720
6:00am	11	88	9,689	10	80	3,350	6	60	2,074	13	118	8,407	11	102	5,611
7:00am	13	104	15,589	14	112	7,384	11	110	6,138	15	134	13,390	16	144	12,688
8:00am	19	152	26,796	17	136	11,887	12	120	8,682	20	180	25,928	18	162	19,567
9:00am	19	152	21,741	12	96	7,516	10	100	6,790	14	126	15,957	14	124	13,644
10:00am	8	64	7,319	13	104	4,727	7	70	3,432	13	120	7,639	12	110	6,037
11:00am	10	80	6,472	10	80	3,043	7	70	2,160	13	118	5,468	12	108	4,134
12:00pm	9	72	4,798	13	104	2,776	9	90	2,749	14	128	5,048	12	108	3,238
1:00pm	10	80	5,162	11	88	2,590	6	60	2,246	10	92	3,720	12	108	3,227
2:00pm	10	80	5,985	12	96	2,714	8	80	2,397	15	136	5,444	12	108	3,446
3:00pm	11	88	6,119	13	104	2,737	11	110	2,782	14	128	5,551	14	126	4,321
4:00pm	14	112	7,179	16	128	3,103	13	130	3,721	15	136	5,364	16	146	4,199
5:00pm	15	120	6,067	14	112	3,047	14	140	4,614	14	130	6,091	15	136	5,755
6:00pm	14	112	5,655	10	80	2,075	10	100	4,233	13	118	4,904	12	108	4,188
7:00pm	16	128	4,082	12	96	1,401	11	110	2,475	13	120	2,330	11	100	1,387
8:00pm	14	112	2,645	10	80	1,000	9	90	1,588	11	98	1,658	11	98	815
9:00pm	16	128	2,569	9	72	626	9	90	1,035	12	108	1,175	12	108	887
10:00pm	11	88	2,121	10	80	606	6	60	792	14	130	2,078	6	56	621
11:00pm	6	48	1,586	9	72	475	5	50	514	9	80	1,347	0	0	0
TOTAL	248	1,984	147,705	238	1,904	63,251	185	1,850	59,879	281	2,554	127,224	219	1,980	94,513

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, 2017-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	3	24	322	3	30	166	6	54	106	8	80	320	40	362	3,037
1:00am	3	24	173	3	30	121	5	46	34	6	60	212	32	290	1,418
2:00am	3	24	166	3	30	84	4	34	20	6	60	101	33	302	1,068
3:00am	3	24	181	2	20	71	6	54	25	7	70	226	34	310	1,338
4:00am	4	32	697	4	40	439	7	64	84	6	60	788	36	328	4,410
5:00am	3	24	1,331	4	40	1,384	5	44	458	5	50	1,911	42	378	14,404
6:00am	10	80	5,409	10	100	4,518	5	40	998	11	110	6,264	87	778	46,320
7:00am	18	144	14,717	12	120	8,496	7	56	2,239	16	160	11,185	122	1,084	91,826
8:00am	24	192	25,093	18	180	14,856	10	80	6,258	21	210	16,507	159	1,412	155,574
9:00am	17	136	16,231	16	160	10,381	7	56	3,571	19	190	10,571	128	1,140	106,402
10:00am	13	104	7,478	15	150	5,446	6	48	1,501	18	180	5,806	105	950	49,385
11:00am	11	88	5,243	16	160	3,434	6	48	989	17	170	4,750	102	922	35,693
12:00pm	14	112	5,688	15	150	2,965	6	48	948	15	150	4,104	107	962	32,314
1:00pm	12	96	4,744	14	140	2,775	6	48	821	15	150	4,484	96	862	29,769
2:00pm	15	120	5,338	14	140	3,149	6	48	823	14	140	3,752	106	948	33,048
3:00pm	15	120	5,639	16	160	3,798	8	64	1,110	16	160	4,573	118	1,060	36,630
4:00pm	15	120	5,795	16	160	3,999	7	56	1,089	19	190	5,461	131	1,178	39,910
5:00pm	15	120	7,375	19	190	4,935	8	64	1,613	20	200	3,268	134	1,212	42,765
6:00pm	12	96	4,828	20	200	2,665	8	64	1,083	19	190	3,603	118	1,068	33,234
7:00pm	12	96	3,502	17	170	2,270	7	56	569	17	170	3,204	116	1,046	21,220
8:00pm	13	104	2,777	14	140	1,449	7	56	349	16	160	2,232	105	938	14,513
9:00pm	10	80	1,609	12	120	1,364	7	56	309	8	80	1,542	95	842	11,116
10:00pm	11	88	1,690	3	30	201	5	40	224	8	80	1,060	74	652	9,393
11:00pm	4	32	607	0	0	0	11	98	162	12	120	848	56	500	5,539
TOTAL	260	2,080	126,633	266	2,660	78,966	160	1,322	25,383	319	3,190	96,772	2,176	19,524	820,326

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, 2017-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	5	40	2,915	3	24	1,309	7	70	1,155	7	70	2,657	3	24	39
1:00am	5	40	1,739	3	24	701	4	40	416	6	60	1,183	3	24	25
2:00am	2	16	446	3	24	343	3	30	172	6	60	572	3	24	15
3:00am	4	32	409	3	24	131	3	30	117	5	50	199	3	24	8
4:00am	2	16	262	3	24	98	3	30	117	7	70	311	3	24	24
5:00am	5	40	900	8	64	213	4	40	408	7	70	542	3	24	100
6:00am	9	72	2,774	10	80	1,160	7	70	1,013	8	74	1,405	5	40	618
7:00am	13	104	4,245	12	96	1,706	10	100	2,324	14	128	3,125	8	64	1,715
8:00am	18	144	3,815	16	128	1,642	11	110	3,267	13	118	4,135	7	56	1,404
9:00am	19	152	3,330	15	120	1,207	17	170	4,034	16	146	3,077	8	64	1,158
10:00am	13	104	2,742	12	96	1,093	10	100	1,986	12	110	1,913	6	48	499
11:00am	10	80	3,204	10	80	1,297	8	80	1,785	13	118	2,221	6	48	880
12:00pm	10	80	4,041	13	104	1,550	9	90	1,735	15	138	3,079	6	48	982
1:00pm	10	80	4,623	12	96	1,846	8	80	2,171	13	118	3,298	6	48	1,148
2:00pm	10	80	6,407	11	88	2,325	5	50	1,999	12	110	4,218	6	48	1,255
3:00pm	11	88	10,155	13	104	4,040	9	90	3,819	13	120	7,311	6	48	1,939
4:00pm	12	96	13,056	13	104	5,456	10	100	4,802	16	144	10,539	8	64	3,638
5:00pm	14	112	17,103	16	128	7,822	11	110	7,419	17	154	16,953	10	80	6,725
6:00pm	17	136	23,013	11	88	7,662	11	110	8,282	16	146	18,052	8	64	5,090
7:00pm	16	128	16,113	12	96	5,876	12	120	6,381	11	98	9,245	7	56	3,330
8:00pm	15	120	12,213	10	80	4,046	10	100	3,740	14	128	9,044	7	56	2,045
9:00pm	15	120	10,264	10	80	2,975	7	70	3,307	10	92	6,689	6	48	1,837
10:00pm	13	104	7,703	9	72	2,195	4	40	1,435	12	108	5,696	6	48	1,425
11:00pm	8	64	5,374	8	64	2,060	3	30	1,057	9	90	4,383	5	40	360
TOTAL	256	2,048	156,846	236	1,888	58,753	186	1,860	62,941	272	2,520	119,847	139	1,112	36,259

* 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, 2017-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	4	32	1,348	0	0	0	5	50	1,224	4	32	830	38	342	11,477
1:00am	3	24	550	0	0	0	8	80	491	3	24	392	35	316	5,497
2:00am	3	24	228	0	0	0	6	60	283	2	16	74	28	254	2,133
3:00am	3	24	168	0	0	0	6	60	190	2	16	90	29	260	1,312
4:00am	3	24	185	0	0	0	5	50	208	4	32	141	30	270	1,346
5:00am	5	40	559	4	40	249	9	90	663	4	32	456	49	440	4,090
6:00am	9	72	2,118	11	110	1,288	13	130	2,278	10	92	1,401	82	740	14,055
7:00am	14	112	4,055	17	170	2,494	21	210	4,171	12	108	3,096	121	1,092	26,931
8:00am	14	112	4,678	15	150	2,391	19	190	3,843	14	124	3,721	127	1,132	28,896
9:00am	15	120	3,472	23	230	2,488	21	210	3,204	16	146	2,450	150	1,358	24,420
10:00am	16	128	2,560	17	170	1,821	16	160	2,019	13	118	2,138	115	1,034	16,771
11:00am	14	112	3,110	13	130	1,715	15	150	2,362	12	106	1,748	101	904	18,322
12:00pm	10	80	2,818	15	150	2,178	14	140	2,468	12	110	2,674	104	940	21,525
1:00pm	13	104	3,861	14	140	2,469	15	150	2,994	12	108	3,259	103	924	25,669
2:00pm	14	112	5,026	15	150	2,739	15	150	3,382	12	108	4,403	100	896	31,754
3:00pm	14	112	6,896	16	160	4,023	19	190	5,312	12	108	6,104	113	1,020	49,599
4:00pm	18	144	11,196	14	140	5,722	19	190	7,658	14	126	10,451	124	1,108	72,518
5:00pm	17	136	16,426	21	210	11,017	23	230	10,803	17	152	15,479	146	1,312	109,747
6:00pm	18	144	15,516	15	150	9,248	15	150	9,331	16	146	12,272	127	1,134	108,466
7:00pm	11	88	8,158	15	150	6,195	17	170	8,188	13	116	8,004	114	1,022	71,490
8:00pm	14	112	7,689	13	130	4,922	11	110	3,891	11	100	5,421	105	936	53,011
9:00pm	10	80	5,323	10	100	4,198	8	80	2,509	12	108	5,821	88	778	42,923
10:00pm	11	88	4,101	2	20	659	10	100	2,133	12	108	4,519	79	688	29,866
11:00pm	5	40	2,558	0	0	0	10	100	2,416	6	52	2,575	54	480	20,783
TOTAL	258	2,064	112,599	250	2,500	65,816	320	3,200	82,021	245	2,188	97,519	2,162	19,380	792,601

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, 2017 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	3	30	214	4	40	262	5	55	414	5	50	262	17	175	1,152
1:00am	3	30	145	3	30	177	3	33	179	3	30	85	12	123	586
2:00am	3	30	106	3	30	159	3	33	172	3	30	72	12	123	509
3:00am	4	40	220	3	30	193	4	44	362	3	30	131	14	144	906
4:00am	3	30	432	3	30	621	3	33	839	3	30	492	12	123	2,384
5:00am	5	46	2,149	6	56	2,710	6	66	3,804	4	40	1,562	21	208	10,225
6:00am	15	134	8,997	15	138	12,048	15	165	8,191	8	80	3,225	53	517	32,461
7:00am	18	166	17,467	19	176	20,607	22	242	14,216	13	130	8,781	72	714	61,071
8:00am	22	204	25,377	22	200	28,362	25	275	22,260	13	130	14,008	82	809	90,007
9:00am	19	178	16,009	19	176	18,934	20	220	14,684	14	140	9,682	72	714	59,309
10:00am	13	118	8,430	14	132	10,228	12	132	6,847	9	90	4,079	48	472	29,584
11:00am	13	118	6,524	10	88	5,836	12	132	5,446	6	60	2,743	41	398	20,549
12:00pm	13	116	5,050	17	158	6,791	11	121	3,982	11	110	3,071	52	505	18,894
1:00pm	12	108	4,267	12	108	5,487	13	143	4,812	7	70	2,332	44	429	16,898
2:00pm	12	108	5,298	16	148	7,570	10	110	3,579	7	70	2,424	45	436	18,871
3:00pm	17	156	6,350	18	166	8,651	10	110	4,406	8	80	2,477	53	512	21,884
4:00pm	21	192	6,406	22	206	8,617	15	165	5,428	11	110	3,079	69	673	23,530
5:00pm	23	212	6,938	20	184	8,704	24	264	6,243	11	110	2,787	78	770	24,672
6:00pm	21	194	5,388	17	158	5,962	20	220	3,828	12	120	2,464	70	692	17,642
7:00pm	17	158	2,794	16	150	3,766	14	154	2,367	12	120	1,564	59	582	10,491
8:00pm	18	168	2,088	15	140	2,466	17	187	1,641	7	70	829	57	565	7,024
9:00pm	17	158	1,365	7	70	1,948	15	165	1,439	7	70	1,012	46	463	5,764
10:00pm	13	118	1,160	4	40	1,050	14	154	1,320	3	30	346	34	342	3,876
11:00pm	4	40	428	7	70	866	9	99	848	6	60	592	26	269	2,734
TOTAL	309	2,852	133,602	292	2,724	162,015	302	3,322	117,307	186	1,860	68,099	1,089	10,758	481,023

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, 2017-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	4	40	1,448	6	60	2,068	6	66	2,595	4	40	1,068	20	206	7,179
1:00am	2	20	558	3	30	870	4	44	1,571	3	30	611	12	124	3,610
2:00am	4	40	432	4	40	488	2	22	331	3	30	329	13	132	1,580
3:00am	3	30	176	3	30	237	3	33	262	2	20	146	11	113	821
4:00am	3	30	143	3	30	290	3	33	357	3	30	281	12	123	1,071
5:00am	3	30	323	5	48	1,028	5	55	1,108	4	40	491	17	173	2,950
6:00am	8	74	2,042	9	80	2,698	14	154	3,140	5	50	1,037	36	358	8,917
7:00am	15	138	4,430	15	140	4,820	22	242	3,384	10	100	2,164	62	620	14,798
8:00am	23	214	4,692	17	156	4,683	24	264	4,057	11	110	2,696	75	744	16,128
9:00am	22	200	3,393	22	200	3,287	20	220	3,004	12	120	1,815	76	740	11,499
10:00am	14	128	2,775	18	168	2,143	13	143	2,564	8	80	1,190	53	519	8,672
11:00am	10	90	2,358	14	128	3,429	11	121	2,551	6	60	1,075	41	399	9,413
12:00pm	13	116	3,282	10	92	3,409	12	132	3,087	9	90	1,640	44	430	11,418
1:00pm	11	100	3,227	17	158	6,080	12	132	3,803	6	60	1,724	46	450	14,834
2:00pm	13	116	4,873	14	126	7,024	9	99	4,336	8	80	2,808	44	421	19,041
3:00pm	18	170	8,717	18	168	11,738	12	132	9,048	10	100	4,601	58	570	34,104
4:00pm	22	204	13,368	16	148	13,772	15	165	12,292	12	120	6,887	65	637	46,319
5:00pm	22	202	19,199	23	216	18,701	23	253	19,156	16	160	14,093	84	831	71,149
6:00pm	19	176	17,562	20	182	14,078	19	209	18,906	9	90	9,985	67	657	60,531
7:00pm	21	194	12,886	17	160	12,156	18	198	11,411	11	110	6,558	67	662	43,011
8:00pm	18	166	9,920	13	120	9,151	15	165	8,320	8	80	3,190	54	531	30,581
9:00pm	17	154	7,439	16	152	8,539	13	143	6,720	10	100	3,106	56	549	25,804
10:00pm	18	168	6,574	6	60	3,831	15	165	5,639	8	80	2,742	47	473	18,786
11:00pm	11	100	4,951	5	50	2,351	10	110	5,269	5	50	1,721	31	310	14,292
TOTAL	314	2,900	134,768	294	2,742	136,871	300	3,300	132,911	183	1,830	71,958	1,091	10,772	476,508

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, 2017-INBOUND

HOURS	DOWNTOWN PATH			UPTOWN PATH			TOTAL		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	1	8	66	2	14	71	3	22	137
1:00am	2	16	34	2	14	48	4	30	82
2:00am	2	16	28	1	7	31	3	23	59
3:00am	1	8	72	2	14	100	3	22	172
4:00am	2	16	267	2	14	277	4	30	544
5:00am	4	32	1,839	3	21	1,193	7	53	3,032
6:00am	14	112	4,774	11	77	3,489	25	189	8,263
7:00am	23	184	12,219	20	140	9,670	43	324	21,889
8:00am	25	200	17,766	24	168	17,605	49	368	35,371
9:00am	19	152	8,463	17	119	9,170	36	271	17,633
10:00am	9	72	2,803	12	84	3,447	21	156	6,250
11:00am	9	72	1,768	12	84	2,445	21	156	4,213
12:00pm	9	72	1,515	12	84	1,868	21	156	3,383
1:00pm	9	72	1,339	12	84	1,763	21	156	3,102
2:00pm	9	72	1,199	12	84	1,903	21	156	3,102
3:00pm	13	104	1,473	12	84	2,042	25	188	3,515
4:00pm	18	144	2,257	15	105	3,013	33	249	5,270
5:00pm	24	192	4,032	21	147	5,026	45	339	9,058
6:00pm	19	152	2,498	20	140	3,268	39	292	5,766
7:00pm	12	96	1,082	13	91	1,511	25	187	2,593
8:00pm	11	88	586	12	84	767	23	172	1,353
9:00pm	9	72	464	10	70	635	19	142	1,099
10:00pm	8	64	360	8	56	368	16	120	728
11:00pm	3	24	122	2	14	162	5	38	284
TOTAL	255	2,040	67,026	257	1,799	69,872	512	3,839	136,898

NEW JERSEY SECTOR, 2017-OUTBOUND

HOURS	DOWNTOWN PATH			UPTOWN PATH			TOTAL		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	1	8	407	2	14	609	3	22	1,016
1:00am	2	16	220	2	14	318	4	30	538
2:00am	2	16	179	1	7	198	3	23	377
3:00am	1	8	68	2	14	104	3	22	172
4:00am	2	16	91	2	14	122	4	30	213
5:00am	3	24	232	1	7	209	4	31	441
6:00am	13	104	799	9	63	845	22	167	1,644
7:00am	22	176	1,957	18	126	2,378	40	302	4,335
8:00am	24	192	3,677	23	161	4,011	47	353	7,688
9:00am	18	144	1,995	20	140	1,848	38	284	3,843
10:00am	10	80	728	12	84	794	22	164	1,522
11:00am	9	72	713	12	84	835	21	156	1,548
12:00pm	9	72	893	12	84	1,039	21	156	1,932
1:00pm	9	72	1,196	12	84	1,377	21	156	2,573
2:00pm	9	72	1,763	12	84	1,700	21	156	3,463
3:00pm	10	80	3,112	12	84	2,851	22	164	5,963
4:00pm	21	168	7,316	13	91	5,191	34	259	12,507
5:00pm	25	200	15,100	22	154	11,756	47	354	26,856
6:00pm	21	168	10,893	20	140	11,601	41	308	22,494
7:00pm	14	112	5,534	15	105	6,636	29	217	12,170
8:00pm	11	88	3,547	12	84	4,904	23	172	8,451
9:00pm	10	80	2,566	11	77	4,308	21	157	6,874
10:00pm	8	64	1,400	8	56	2,526	16	120	3,926
11:00pm	3	24	796	5	35	1,394	8	59	2,190
TOTAL	257	2,056	65,182	258	1,806	67,554	515	3,862	132,736

SECTION C

SUBURBAN AND INTERCITY RAIL, TRANSIT BY SECTOR

SUMMARY, 2017-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	36	154	5	54	160	4	34	1,148	14	124	1,462
1:00am	7	55	92	4	42	90	4	28	426	15	125	608
2:00am	0	0	0	6	59	214	2	18	125	8	77	339
3:00am	0	0	0	1	12	30	0	0	0	1	12	30
4:00am	0	0	0	4	44	570	0	0	0	4	44	570
5:00am	6	41	1,793	3	34	2,340	6	54	1,640	15	129	5,773
6:00am	18	126	7,209	15	152	12,220	12	99	6,259	45	377	25,688
7:00am	37	264	20,255	29	282	24,210	19	159	15,049	85	705	59,514
8:00am	53	420	35,960	37	390	33,682	26	237	26,614	116	1,047	96,256
9:00am	31	222	15,795	20	188	14,253	17	133	12,556	68	543	42,604
10:00am	19	131	5,727	11	106	5,331	13	98	4,863	43	335	15,921
11:00am	12	90	3,314	8	80	3,230	11	82	3,790	31	252	10,334
12:00pm	12	89	2,951	11	102	3,167	9	66	2,788	32	257	8,906
1:00pm	11	82	2,150	10	108	2,698	8	65	2,652	29	255	7,500
2:00pm	11	80	2,058	8	80	2,176	10	76	2,249	29	236	6,483
3:00pm	11	76	2,063	11	110	2,639	8	63	2,371	30	249	7,073
4:00pm	13	95	2,640	10	100	3,010	10	76	3,188	33	271	8,838
5:00pm	16	130	3,377	8	86	2,850	10	84	3,208	34	300	9,435
6:00pm	16	118	3,585	12	113	3,608	11	89	3,542	39	320	10,735
7:00pm	13	92	1,966	11	110	1,957	12	100	2,952	36	302	6,875
8:00pm	10	65	1,244	9	92	1,329	11	80	1,315	30	237	3,888
9:00pm	9	64	881	8	81	1,060	11	86	1,232	28	231	3,173
10:00pm	7	51	631	9	93	864	8	61	1,090	24	205	2,585
11:00pm	5	32	298	6	68	420	5	36	1,045	16	136	1,763
TOTAL	322	2,359	114,143	256	2,586	122,108	227	1,824	100,102	805	6,769	336,353

SUMMARY, 2017-OUTBOUND

HOURS	60TH STREET SECTOR			QUEENS SECTOR			NEW JERSEY SECTOR			ALL SECTORS		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	7	51	984	5	56	940	4	36	683	16	143	2,607
1:00am	1	56	582	4	42	500	2	17	299	7	115	1,381
2:00am	0	0	0	2	17	127	0	0	0	2	17	127
3:00am	0	0	0	4	42	200	1	5	124	5	47	324
4:00am	0	0	0	1	10	80	4	33	233	5	43	313
5:00am	5	37	200	4	42	290	6	49	365	15	128	855
6:00am	14	103	1,062	6	61	793	12	95	1,308	32	259	3,163
7:00am	16	104	2,169	7	78	1,660	14	107	2,710	37	289	6,539
8:00am	13	99	2,241	10	100	1,779	11	92	2,437	34	291	6,457
9:00am	11	87	1,313	7	72	970	10	82	1,971	28	241	4,254
10:00am	11	77	1,258	9	90	1,180	10	76	1,798	30	243	4,236
11:00am	11	76	1,312	10	97	1,528	8	62	1,539	29	235	4,379
12:00pm	11	76	1,546	9	82	2,085	12	86	2,245	32	244	5,876
1:00pm	12	91	2,376	9	90	2,535	7	53	2,065	28	234	6,976
2:00pm	13	97	3,257	10	109	4,968	11	84	3,218	34	290	11,443
3:00pm	20	150	6,078	15	150	9,360	12	98	5,791	47	398	21,229
4:00pm	27	192	11,380	23	228	14,555	17	139	10,539	67	559	36,474
5:00pm	46	342	27,667	34	358	28,274	23	204	21,222	103	904	77,163
6:00pm	35	269	21,003	23	232	20,608	20	173	18,549	78	674	60,160
7:00pm	23	162	10,860	15	149	11,173	11	86	7,158	49	397	29,191
8:00pm	13	101	6,426	8	88	6,050	11	85	5,166	32	274	17,642
9:00pm	13	90	5,253	8	80	4,750	9	74	4,016	30	244	14,019
10:00pm	10	71	3,220	9	92	4,010	8	66	2,471	27	229	9,701
11:00pm	8	53	2,059	9	98	2,330	5	37	1,390	22	188	5,779
TOTAL	320	2,384	112,246	241	2,463	120,745	228	1,839	97,297	789	6,686	330,288

SECTION C

SUBURBAN AND INTERCITY RAIL TRANSIT BY LINE

60TH STREET SECTOR, 2017-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	43	2	14	37	2	16	74	0	0	0	5	36	154
1:00am	2	16	25	2	16	20	3	23	47	0	0	0	7	55	92
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	524	2	16	548	2	12	721	0	0	0	6	41	1,793
6:00am	6	42	1,720	7	46	2,786	5	38	2,703	0	0	0	18	126	7,209
7:00am	9	57	3,962	12	90	6,910	15	112	9,298	1	5	85	37	264	20,255
8:00am	15	104	7,907	16	132	11,812	21	179	16,074	1	5	167	53	420	35,960
9:00am	7	46	3,049	11	83	5,925	12	88	6,549	1	5	272	31	222	15,795
10:00am	6	42	1,247	6	44	1,831	6	40	2,391	1	5	258	19	131	5,727
11:00am	3	23	575	4	28	1,097	5	39	1,642	0	0	0	12	90	3,314
12:00pm	3	21	561	4	28	1,051	4	35	1,152	1	5	187	12	89	2,951
1:00pm	3	21	469	3	22	676	4	34	890	1	5	115	11	82	2,150
2:00pm	3	21	401	3	24	676	4	30	832	1	5	149	11	80	2,058
3:00pm	3	21	406	3	20	596	4	30	844	1	5	217	11	76	2,063
4:00pm	3	23	487	5	36	1,039	5	36	1,114	0	0	0	13	95	2,640
5:00pm	3	21	554	6	50	1,085	6	54	1,584	1	5	154	16	130	3,377
6:00pm	4	30	512	4	32	1,101	6	42	1,719	2	14	253	16	118	3,585
7:00pm	4	26	269	4	26	677	5	40	1,020	0	0	0	13	92	1,966
8:00pm	2	13	165	4	26	430	3	21	500	1	5	149	10	65	1,244
9:00pm	2	13	145	3	24	216	3	22	365	1	5	155	9	64	881
10:00pm	2	13	153	2	14	221	3	24	257	0	0	0	7	51	631
11:00pm	1	6	43	2	12	122	2	14	133	0	0	0	5	32	298
TOTAL	84	578	23,217	105	783	38,856	120	929	49,909	13	69	2,161	322	2,359	114,143

60TH STREET SECTOR, 2017-OUTBOUND

HOURS	MTA METRO-NORTH RAILROAD									AMTRAK			TOTAL		
	HUDSON LINE			HARLEM LINE			NEW HAVEN LINE			EMPIRE SERVICE			TRAINS	CARS	PSGRS
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	3	21	245	2	14	389	2	16	350	0	0	0	7	51	984
1:00am	0	6	50	0	20	230	1	30	302	0	0	0	1	56	582
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	13	1	8	32	3	23	155	0	0	0	5	37	200
6:00am	4	28	189	6	44	264	4	31	609	0	0	0	14	103	1,062
7:00am	4	26	259	6	41	877	5	32	903	1	5	130	16	104	2,169
8:00am	3	23	249	4	30	628	5	41	1,163	1	5	201	13	99	2,241
9:00am	3	21	222	4	32	465	4	34	626	0	0	0	11	87	1,313
10:00am	3	21	235	3	20	356	4	31	469	1	5	198	11	77	1,258
11:00am	3	21	251	3	20	424	4	30	561	1	5	76	11	76	1,312
12:00pm	3	23	318	4	26	553	4	27	675	0	0	0	11	76	1,546
1:00pm	3	23	436	4	28	800	4	35	943	1	5	197	12	91	2,376
2:00pm	3	19	670	5	40	1,142	4	33	1,338	1	5	107	13	97	3,257
3:00pm	5	36	1,301	7	57	2,082	6	43	2,430	2	14	265	20	150	6,078
4:00pm	7	48	2,635	10	69	3,683	9	70	4,831	1	5	231	27	192	11,380
5:00pm	13	87	6,432	13	107	9,223	19	143	11,806	1	5	206	46	342	27,667
6:00pm	9	57	4,214	12	97	7,257	14	115	9,532	0	0	0	35	269	21,003
7:00pm	6	40	2,236	8	62	4,200	8	55	4,257	1	5	167	23	162	10,860
8:00pm	3	21	927	4	30	2,244	5	45	3,138	1	5	117	13	101	6,426
9:00pm	5	34	1,349	4	26	1,563	4	30	2,341	0	0	0	13	90	5,253
10:00pm	3	21	760	2	14	686	4	31	1,708	1	5	66	10	71	3,220
11:00pm	2	13	379	3	20	834	3	20	846	0	0	0	8	53	2,059
TOTAL	86	595	23,370	105	805	37,932	116	915	48,983	13	69	1,961	320	2,384	112,246

SECTION C

SUBURBAN AND INTERCITY RAIL, TRANSIT BY LINE

QUEENS SECTOR, 2017-INBOUND

HOURS	MTA LIRR			AMTRAK			TOTAL		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	5	54	160	0	0	0	5	54	160
1:00am	4	42	90	0	0	0	4	42	90
2:00am	5	54	110	1	5	104	6	59	214
3:00am	1	12	30	0	0	0	1	12	30
4:00am	4	44	570	0	0	0	4	44	570
5:00am	3	34	2,340	0	0	0	3	34	2,340
6:00am	15	152	12,220	0	0	0	15	152	12,220
7:00am	29	282	24,210	0	0	0	29	282	24,210
8:00am	36	384	33,480	1	6	202	37	390	33,682
9:00am	18	174	13,810	2	14	443	20	188	14,253
10:00am	9	92	4,730	2	14	601	11	106	5,331
11:00am	8	80	3,230	0	0	0	8	80	3,230
12:00pm	9	88	2,620	2	14	547	11	102	3,167
1:00pm	9	100	2,370	1	8	328	10	108	2,698
2:00pm	7	74	1,980	1	6	196	8	80	2,176
3:00pm	9	96	2,160	2	14	479	11	110	2,639
4:00pm	9	94	2,770	1	6	240	10	100	3,010
5:00pm	8	86	2,850	0	0	0	8	86	2,850
6:00pm	9	94	2,860	3	19	748	12	113	3,608
7:00pm	10	104	1,700	1	6	257	11	110	1,957
8:00pm	7	80	910	2	12	419	9	92	1,329
9:00pm	7	74	850	1	7	210	8	81	1,060
10:00pm	8	88	710	1	5	154	9	93	864
11:00pm	6	68	420	0	0	0	6	68	420
TOTAL	235	2,450	117,180	21	136	4,928	256	2,586	122,108

QUEENS SECTOR, 2017-OUTBOUND

HOURS	MTA LIRR			AMTRAK			TOTAL		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	5	56	940	0	0	0	5	56	940
1:00am	4	42	500	0	0	0	4	42	500
2:00am	1	12	60	1	5	67	2	17	127
3:00am	4	42	200	0	0	0	4	42	200
4:00am	1	10	80	0	0	0	1	10	80
5:00am	4	42	290	0	0	0	4	42	290
6:00am	5	54	630	1	7	163	6	61	793
7:00am	7	78	1,660	0	0	0	7	78	1,660
8:00am	8	86	1,300	2	14	479	10	100	1,779
9:00am	7	72	970	0	0	0	7	72	970
10:00am	8	84	950	1	6	230	9	90	1,180
11:00am	8	84	1,090	2	13	438	10	97	1,528
12:00pm	7	68	1,630	2	14	455	9	82	2,085
1:00pm	8	84	2,340	1	6	195	9	90	2,535
2:00pm	9	102	4,660	1	7	308	10	109	4,968
3:00pm	13	136	8,780	2	14	580	15	150	9,360
4:00pm	22	222	14,260	1	6	295	23	228	14,555
5:00pm	32	344	27,690	2	14	584	34	358	28,274
6:00pm	21	218	20,190	2	14	418	23	232	20,608
7:00pm	13	136	10,800	2	13	373	15	149	11,173
8:00pm	8	88	6,050	0	0	0	8	88	6,050
9:00pm	8	80	4,750	0	0	0	8	80	4,750
10:00pm	9	92	4,010	0	0	0	9	92	4,010
11:00pm	9	98	2,330	0	0	0	9	98	2,330
TOTAL	221	2,330	116,160	20	133	4,585	241	2,463	120,745

SECTION C

SUBURBAN AND INTERCITY RAIL, TRANSIT BY LINE

NEW JERSEY SECTOR, 2017-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	25	1,130	1	9	18	0	0	0	4	34	1,148
1:00am	3	23	294	0	0	0	1	5	132	4	28	426
2:00am	2	18	125	0	0	0	0	0	0	2	18	125
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	36	1,215	2	18	425	0	0	0	6	54	1,640
6:00am	6	53	3,280	4	33	2,715	2	13	264	12	99	6,259
7:00am	13	113	10,609	4	34	4,040	2	12	400	19	159	15,049
8:00am	13	129	15,016	8	75	10,155	5	33	1,443	26	237	26,614
9:00am	11	88	8,759	4	32	3,267	2	13	530	17	133	12,556
10:00am	7	54	3,012	3	25	1,073	3	19	778	13	98	4,863
11:00am	4	32	2,054	3	25	886	4	25	850	11	82	3,790
12:00pm	3	25	1,160	2	15	609	4	26	1,019	9	66	2,788
1:00pm	4	37	1,614	2	16	562	2	12	476	8	65	2,652
2:00pm	4	35	1,149	2	16	382	4	25	718	10	76	2,249
3:00pm	3	27	1,177	2	17	379	3	19	815	8	63	2,371
4:00pm	5	42	2,035	2	16	418	3	18	735	10	76	3,188
5:00pm	4	34	1,676	4	36	870	2	14	662	10	84	3,208
6:00pm	6	54	2,211	2	16	529	3	19	802	11	89	3,542
7:00pm	6	55	1,849	3	24	453	3	21	650	12	100	2,952
8:00pm	6	47	645	2	15	140	3	18	530	11	80	1,315
9:00pm	4	33	547	3	28	196	4	25	489	11	86	1,232
10:00pm	5	40	738	1	8	37	2	13	315	8	61	1,090
11:00pm	2	15	824	2	16	88	1	5	133	5	36	1,045
TOTAL	118	1,015	61,119	56	474	27,242	53	335	11,741	227	1,824	100,102

NEW JERSEY SECTOR, 2017-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	18	520	2	18	163	0	0	0	4	36	683
1:00am	2	17	299	0	0	0	0	0	0	2	17	299
2:00am	0	0	0	0	0	0	0	0	0	0	0	0
3:00am	0	0	0	0	0	0	1	5	124	1	5	124
4:00am	3	26	203	0	0	0	1	7	30	4	33	233
5:00am	4	33	282	1	9	17	1	7	66	6	49	365
6:00am	6	52	799	3	27	204	3	16	305	12	95	1,308
7:00am	7	59	1,457	3	24	547	4	24	706	14	107	2,710
8:00am	5	44	1,264	4	35	619	2	13	554	11	92	2,437
9:00am	4	39	959	3	24	276	3	19	736	10	82	1,971
10:00am	4	34	748	3	23	336	3	19	714	10	76	1,798
11:00am	4	32	789	2	16	294	2	14	456	8	62	1,539
12:00pm	5	37	982	2	17	426	5	32	837	12	86	2,245
1:00pm	4	32	1,255	2	15	626	1	6	184	7	53	2,065
2:00pm	4	35	1,761	2	17	535	5	32	922	11	84	3,218
3:00pm	6	52	3,564	2	17	1,166	4	29	1,061	12	98	5,791
4:00pm	8	74	5,786	5	40	3,538	4	25	1,215	17	139	10,539
5:00pm	15	140	13,900	5	47	6,376	3	17	946	23	204	21,222
6:00pm	10	94	10,186	7	60	7,437	3	19	926	20	173	18,549
7:00pm	6	51	4,352	3	24	2,269	2	11	537	11	86	7,158
8:00pm	6	45	2,510	3	28	2,060	2	12	596	11	85	5,166
9:00pm	5	43	2,300	2	18	1,252	2	13	464	9	74	4,016
10:00pm	4	34	1,242	3	25	872	1	7	357	8	66	2,471
11:00pm	2	18	707	2	14	607	1	5	76	5	37	1,390
TOTAL	116	1,009	55,865	59	498	29,620	53	332	11,812	228	1,839	97,297

SECTION D
AUTO, TAXI, COMMUTER VAN & TRUCK OCCUPANTS BY SECTOR
SUMMARY, 2017-INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	10,048	4,973	3,819	1,894	20,734
1:00am	6,106	3,226	2,416	1,347	13,095
2:00am	4,319	2,488	1,895	1,057	9,759
3:00am	4,022	2,488	1,957	1,296	9,763
4:00am	5,633	4,115	3,098	2,310	15,156
5:00am	12,042	8,944	6,290	7,046	34,322
6:00am	18,164	13,783	9,335	8,887	50,169
7:00am	20,761	14,465	9,952	7,596	52,774
8:00am	22,539	13,618	9,501	7,142	52,800
9:00am	21,961	12,821	9,339	6,777	50,898
10:00am	19,863	10,868	6,985	7,270	44,986
11:00am	19,157	10,269	6,747	5,925	42,098
12:00pm	18,528	9,996	6,753	5,233	40,510
1:00pm	18,402	10,200	6,812	4,961	40,375
2:00pm	18,631	10,535	7,093	5,153	41,412
3:00pm	19,005	10,408	7,427	5,123	41,963
4:00pm	19,709	10,045	8,037	5,007	42,798
5:00pm	20,696	10,395	7,968	4,956	44,015
6:00pm	21,054	9,734	7,740	5,217	43,745
7:00pm	20,670	9,150	7,141	5,100	42,061
8:00pm	19,829	9,909	6,396	3,998	40,132
9:00pm	18,453	9,656	6,139	4,246	38,494
10:00pm	18,412	9,675	5,904	4,292	38,283
11:00pm	15,931	7,942	4,616	3,175	31,664
TOTAL	393,935	219,703	153,360	115,008	882,006

SECTION D
AUTO, TAXI, COMMUTER VAN & TRUCK OCCUPANTS BY SECTOR
SUMMARY, 2017-OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	10,838	8,165	4,914	3,412	27,329
1:00am	6,603	5,178	3,089	2,424	17,294
2:00am	4,846	3,469	2,200	1,509	12,024
3:00am	4,375	2,649	2,096	1,226	10,346
4:00am	6,072	2,983	3,220	1,787	14,062
5:00am	10,593	5,006	5,632	2,890	24,121
6:00am	16,473	8,276	6,804	4,072	35,625
7:00am	20,325	9,152	6,522	4,792	40,791
8:00am	20,048	9,615	5,282	4,459	39,404
9:00am	18,873	9,464	4,816	4,093	37,246
10:00am	18,680	9,968	6,788	4,466	39,902
11:00am	18,931	10,175	7,589	4,883	41,578
12:00pm	19,400	10,067	8,379	5,692	43,538
1:00pm	20,102	9,997	9,490	6,584	46,173
2:00pm	21,313	11,565	10,191	7,663	50,732
3:00pm	22,720	12,807	10,741	8,311	54,579
4:00pm	23,070	14,062	10,895	8,244	56,271
5:00pm	23,708	14,227	10,793	7,183	55,911
6:00pm	24,130	14,137	9,966	7,373	55,606
7:00pm	23,816	13,090	9,687	7,799	54,392
8:00pm	22,153	11,878	9,322	7,075	50,428
9:00pm	21,675	12,478	7,324	6,960	48,437
10:00pm	21,534	12,244	7,290	6,619	47,687
11:00pm	17,253	10,538	6,377	5,301	39,469
TOTAL	417,531	231,190	169,407	124,817	942,945

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
60TH STREET SECTOR, 2017-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	2,112	211	2,517	853	393	961	0	522	1,044	337	1,098	10,048
1:00am	1,151	130	1,708	525	214	578	0	313	680	197	610	6,106
2:00am	766	87	1,346	361	122	378	0	209	461	112	477	4,319
3:00am	726	101	1,325	369	95	347	0	152	370	91	446	4,022
4:00am	1,200	152	1,660	509	125	504	0	158	400	120	805	5,633
5:00am	3,502	329	2,435	865	227	956	0	257	644	235	2,592	12,042
6:00am	5,252	619	2,299	1,087	534	1,594	0	598	971	535	4,675	18,164
7:00am	6,372	670	2,095	1,346	1,130	1,539	0	1,061	1,190	836	4,522	20,761
8:00am	6,623	637	2,304	1,368	1,647	1,261	876	1,342	919	1,035	4,527	22,539
9:00am	6,834	577	2,215	1,275	1,509	1,254	892	1,326	892	1,028	4,159	21,961
10:00am	5,860	684	2,416	1,102	1,332	1,266	72	1,276	1,157	880	3,818	19,863
11:00am	6,050	744	2,406	1,100	1,246	980	0	1,094	1,236	846	3,455	19,157
12:00pm	5,919	686	2,439	1,071	1,174	878	0	1,107	1,258	832	3,164	18,528
1:00pm	5,835	526	2,571	1,094	1,108	873	0	1,049	1,320	856	3,170	18,402
2:00pm	5,768	497	2,677	1,206	1,165	686	0	1,051	1,287	846	3,448	18,631
3:00pm	5,349	653	2,976	1,192	1,079	819	0	993	1,125	925	3,894	19,005
4:00pm	5,319	697	2,890	1,356	1,145	838	0	1,008	1,396	861	4,199	19,709
5:00pm	6,093	678	2,985	1,381	1,334	854	0	1,132	1,445	912	3,882	20,696
6:00pm	5,954	595	3,118	1,547	1,428	1,050	0	1,116	1,317	1,168	3,761	21,054
7:00pm	5,372	622	3,168	1,611	1,499	1,363	0	1,191	1,133	1,162	3,549	20,670
8:00pm	5,473	644	3,055	1,549	1,481	1,448	0	1,087	1,394	1,032	2,666	19,829
9:00pm	4,608	614	2,986	1,460	1,440	1,519	0	996	1,296	958	2,576	18,453
10:00pm	4,828	548	3,075	1,188	1,423	1,524	0	989	1,420	910	2,507	18,412
11:00pm	3,792	419	2,955	1,061	1,149	1,547	0	888	1,546	693	1,881	15,931
TOTAL	110,758	12,120	59,621	26,476	23,999	25,017	1,840	20,915	25,901	17,407	69,881	393,935

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

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
60TH STREET SECTOR, 2017-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	2,059	399	1,151	1,117	1,085	272	1,119	0	584	491	675	144	1,742	10,838
1:00am	1,093	203	774	719	798	123	687	0	329	327	450	84	1,016	6,603
2:00am	889	142	621	620	617	79	423	0	236	211	325	48	635	4,846
3:00am	716	158	556	820	581	58	336	0	176	190	294	39	451	4,375
4:00am	1,057	267	786	1,446	673	100	357	0	236	206	363	95	486	6,072
5:00am	2,336	499	1,109	2,631	997	204	554	0	396	331	642	215	679	10,593
6:00am	4,256	786	1,751	2,198	1,512	737	888	0	610	569	992	587	1,587	16,473
7:00am	4,195	747	2,167	1,946	1,860	1,599	1,287	275	952	818	1,280	718	2,481	20,325
8:00am	4,414	641	2,053	1,490	1,893	1,674	1,246	385	997	894	983	661	2,717	20,048
9:00am	4,212	647	1,766	1,596	1,305	1,466	1,206	372	1,025	875	1,201	826	2,376	18,873
10:00am	3,836	807	1,609	1,762	1,238	1,397	1,150	384	1,119	786	1,318	780	2,494	18,680
11:00am	3,669	965	1,783	1,733	1,380	1,306	1,186	386	1,043	774	1,331	696	2,679	18,931
12:00pm	3,852	1,002	1,606	1,722	1,481	1,235	1,276	439	1,130	892	1,250	543	2,972	19,400
1:00pm	3,775	974	1,619	1,784	1,690	1,215	1,228	440	1,185	877	1,353	558	3,404	20,102
2:00pm	4,010	1,081	1,660	1,620	1,620	1,398	1,403	457	1,206	943	1,434	633	3,848	21,313
3:00pm	4,590	1,039	1,913	1,569	1,685	1,460	1,380	515	1,288	985	1,533	696	4,067	22,720
4:00pm	4,576	1,134	2,030	1,828	1,688	1,549	1,543	671	1,306	933	1,660	1,056	3,096	23,070
5:00pm	3,937	1,185	2,333	1,957	1,979	1,715	1,679	726	1,442	953	1,748	1,231	2,823	23,708
6:00pm	3,483	1,106	2,362	2,005	2,064	1,740	1,973	694	1,559	1,162	1,799	1,014	3,169	24,130
7:00pm	3,989	973	1,888	1,781	2,224	1,677	2,436	0	1,590	1,079	1,771	822	3,586	23,816
8:00pm	4,517	1,134	1,818	1,828	1,839	1,365	2,030	0	1,292	919	1,324	501	3,586	22,153
9:00pm	3,988	899	1,989	1,999	1,936	1,072	2,156	0	1,137	832	1,356	438	3,873	21,675
10:00pm	4,273	858	1,982	2,069	1,732	929	2,136	0	1,294	774	1,337	399	3,751	21,534
11:00pm	3,669	682	1,626	1,581	1,442	596	1,788	0	1,054	718	1,063	288	2,746	17,253
TOTAL	81,391	18,328	38,952	39,821	35,319	24,966	31,467	5,744	23,186	17,539	27,482	13,072	60,264	417,531

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

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
BROOKLYN, QUEENS, and NEW JERSEY SECTORS, 2017-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	1,596	1,224	2,004	149	4,973	620	3,199	3,819	842	1,052	1,894	10,686
1:00am	918	842	1,409	57	3,226	309	2,107	2,416	628	719	1,347	6,989
2:00am	708	696	1,038	46	2,488	173	1,722	1,895	409	648	1,057	5,440
3:00am	693	670	1,081	44	2,488	153	1,804	1,957	526	770	1,296	5,741
4:00am	1,282	968	1,709	156	4,115	369	2,729	3,098	847	1,463	2,310	9,523
5:00am	2,876	1,994	3,195	879	8,944	1,698	4,592	6,290	2,606	4,440	7,046	22,280
6:00am	4,413	3,208	3,357	2,805	13,783	2,953	6,382	9,335	3,133	5,754	8,887	32,005
7:00am	4,252	3,632	3,310	3,271	14,465	3,838	6,114	9,952	3,137	4,459	7,596	32,013
8:00am	4,436	3,349	2,960	2,873	13,618	4,400	5,101	9,501	3,071	4,071	7,142	30,261
9:00am	4,058	3,217	2,670	2,876	12,821	4,794	4,545	9,339	3,000	3,777	6,777	28,937
10:00am	3,580	2,810	2,481	1,997	10,868	3,773	3,212	6,985	3,123	4,147	7,270	25,123
11:00am	3,107	2,581	2,634	1,947	10,269	3,482	3,265	6,747	2,458	3,467	5,925	22,941
12:00pm	3,364	2,457	2,700	1,475	9,996	3,394	3,359	6,753	2,294	2,939	5,233	21,982
1:00pm	3,372	2,389	2,662	1,777	10,200	3,158	3,654	6,812	2,049	2,912	4,961	21,973
2:00pm	3,493	2,410	2,998	1,634	10,535	3,488	3,605	7,093	2,252	2,901	5,153	22,781
3:00pm	3,486	2,076	2,938	1,908	10,408	3,557	3,870	7,427	2,529	2,594	5,123	22,958
4:00pm	3,531	1,954	3,028	1,532	10,045	4,030	4,007	8,037	2,865	2,142	5,007	23,089
5:00pm	3,982	2,147	2,852	1,414	10,395	3,809	4,159	7,968	3,025	1,931	4,956	23,319
6:00pm	3,417	2,154	2,746	1,417	9,734	3,844	3,896	7,740	3,070	2,147	5,217	22,691
7:00pm	3,434	1,938	2,604	1,174	9,150	3,115	4,026	7,141	2,350	2,750	5,100	21,391
8:00pm	3,686	2,137	3,094	992	9,909	2,200	4,196	6,396	1,839	2,159	3,998	20,303
9:00pm	3,680	2,350	2,879	747	9,656	1,771	4,368	6,139	1,791	2,455	4,246	20,041
10:00pm	3,502	2,571	3,054	548	9,675	1,458	4,446	5,904	1,879	2,413	4,292	19,871
11:00pm	2,818	1,986	2,747	391	7,942	933	3,683	4,616	1,121	2,054	3,175	15,733
TOTAL	73,684	51,760	62,150	32,109	219,703	61,319	92,041	153,360	50,844	64,164	115,008	488,071

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
BROOKLYN, QUEENS, and NEW JERSEY SECTORS, 2017-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	2,595	2,145	2,990	435	8,165	1,000	3,914	4,914	1,215	2,197	3,412	16,491
1:00am	1,585	1,443	1,950	200	5,178	505	2,584	3,089	866	1,558	2,424	10,691
2:00am	1,044	1,026	1,292	107	3,469	335	1,865	2,200	701	808	1,509	7,178
3:00am	774	802	1,010	63	2,649	264	1,832	2,096	621	605	1,226	5,971
4:00am	912	823	1,187	61	2,983	552	2,668	3,220	953	834	1,787	7,990
5:00am	1,696	1,345	1,812	153	5,006	1,286	4,346	5,632	1,812	1,078	2,890	13,528
6:00am	2,964	1,912	2,872	528	8,276	1,953	4,851	6,804	2,450	1,622	4,072	19,152
7:00am	3,253	2,193	2,882	824	9,152	2,071	4,451	6,522	2,896	1,896	4,792	20,466
8:00am	3,399	2,316	2,902	998	9,615	1,816	3,466	5,282	2,594	1,865	4,459	19,356
9:00am	3,614	2,127	2,751	972	9,464	2,012	2,804	4,816	2,353	1,740	4,093	18,373
10:00am	3,675	2,265	2,859	1,169	9,968	2,272	4,516	6,788	2,283	2,183	4,466	21,222
11:00am	3,515	2,190	3,097	1,373	10,175	2,644	4,945	7,589	2,301	2,582	4,883	22,647
12:00pm	3,467	2,251	3,006	1,343	10,067	3,426	4,953	8,379	2,429	3,263	5,692	24,138
1:00pm	3,251	2,425	3,001	1,320	9,997	4,112	5,378	9,490	2,806	3,778	6,584	26,071
2:00pm	3,549	2,922	3,297	1,797	11,565	4,177	6,014	10,191	2,833	4,830	7,663	29,419
3:00pm	3,820	3,053	3,396	2,538	12,807	4,137	6,604	10,741	2,801	5,510	8,311	31,859
4:00pm	3,711	3,417	3,829	3,105	14,062	4,194	6,701	10,895	2,666	5,578	8,244	33,201
5:00pm	3,682	3,371	3,975	3,199	14,227	4,190	6,603	10,793	2,023	5,160	7,183	32,203
6:00pm	3,808	3,423	3,654	3,252	14,137	3,843	6,123	9,966	2,277	5,096	7,373	31,476
7:00pm	3,607	3,384	3,668	2,431	13,090	3,429	6,258	9,687	2,815	4,984	7,799	30,576
8:00pm	3,321	3,241	3,836	1,480	11,878	3,306	6,016	9,322	2,741	4,334	7,075	28,275
9:00pm	3,724	3,139	4,124	1,491	12,478	1,910	5,414	7,324	2,799	4,161	6,960	26,762
10:00pm	3,564	3,115	4,114	1,451	12,244	2,034	5,256	7,290	2,568	4,051	6,619	26,153
11:00pm	2,916	2,809	4,044	769	10,538	1,579	4,798	6,377	2,302	2,999	5,301	22,216
TOTAL	71,446	57,137	71,548	31,059	231,190	57,047	112,360	169,407	52,105	72,712	124,817	525,414

SECTION E

AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY SECTOR, SUMMARY- 2017

INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	7,563	4,134	3,147	1,458	16,302
1:00am	4,587	2,670	2,000	1,040	10,297
2:00am	3,251	2,059	1,575	808	7,693
3:00am	3,033	2,059	1,629	993	7,714
4:00am	4,273	3,421	2,566	1,762	12,022
5:00am	9,271	7,479	5,117	5,377	27,244
6:00am	14,754	11,604	8,184	7,135	41,677
7:00am	16,356	12,390	8,436	6,060	43,242
8:00am	17,018	11,497	7,781	5,514	41,810
9:00am	16,539	10,816	7,451	5,452	40,258
10:00am	15,215	9,056	5,544	5,933	35,748
11:00am	14,584	8,647	5,388	4,827	33,446
12:00pm	13,905	8,282	5,333	4,069	31,589
1:00pm	13,931	8,464	5,310	3,844	31,549
2:00pm	14,362	8,594	5,460	3,919	32,335
3:00pm	14,794	8,875	5,767	3,976	33,412
4:00pm	15,243	8,521	6,006	3,764	33,534
5:00pm	15,540	8,670	6,095	3,656	33,961
6:00pm	15,930	8,461	5,858	4,011	34,260
7:00pm	15,892	7,981	5,598	3,585	33,056
8:00pm	15,056	8,321	5,156	3,083	31,616
9:00pm	14,011	8,100	4,983	3,260	30,354
10:00pm	13,934	8,089	4,816	3,301	30,140
11:00pm	11,994	6,632	3,786	2,418	24,830
TOTAL	301,036	184,822	122,986	89,245	698,089

OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	8,304	5,991	3,776	2,577	20,648
1:00am	5,054	3,787	2,393	1,831	13,065
2:00am	3,717	2,530	1,708	1,163	9,118
3:00am	3,364	1,930	1,636	952	7,882
4:00am	4,691	2,178	2,490	1,395	10,754
5:00am	8,199	3,655	4,307	2,295	18,456
6:00am	13,387	5,906	4,635	3,283	27,211
7:00am	16,277	6,594	4,350	3,750	30,971
8:00am	15,762	6,921	3,642	3,430	29,755
9:00am	14,505	6,805	3,385	3,138	27,833
10:00am	14,239	7,291	5,170	3,423	30,123
11:00am	14,472	7,508	5,855	3,788	31,623
12:00pm	14,666	7,438	6,414	4,345	32,863
1:00pm	15,299	7,577	7,355	5,082	35,313
2:00pm	16,138	8,738	7,817	5,620	38,313
3:00pm	17,183	10,153	8,216	6,219	41,771
4:00pm	16,643	10,752	8,403	6,373	42,171
5:00pm	16,867	10,759	8,198	5,534	41,358
6:00pm	17,223	10,589	7,520	5,567	40,899
7:00pm	17,294	9,803	7,282	6,030	40,409
8:00pm	16,847	8,806	6,946	5,375	37,974
9:00pm	16,569	9,257	5,563	5,302	36,691
10:00pm	16,477	9,085	5,517	5,029	36,108
11:00pm	13,189	7,770	4,857	4,063	29,879
TOTAL	316,366	171,823	127,435	95,564	711,188

SECTION E
AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY FACILITY
60TH STREET SECTOR, 2017-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	1,553	188	1,811	723	287	620	0	384	791	234	972	7,563
1:00am	846	116	1,229	445	156	373	0	230	515	137	540	4,587
2:00am	563	78	968	306	89	244	0	154	349	78	422	3,251
3:00am	534	90	953	313	69	224	0	112	280	63	395	3,033
4:00am	882	136	1,194	431	91	325	0	116	303	83	712	4,273
5:00am	2,575	294	1,752	733	166	617	0	189	488	163	2,294	9,271
6:00am	4,202	583	1,742	936	394	1,007	0	403	826	368	4,293	14,754
7:00am	4,727	622	1,559	1,077	915	939	0	766	964	588	4,199	16,356
8:00am	4,768	566	1,677	1,074	1,192	728	480	964	683	714	4,172	17,018
9:00am	4,847	508	1,677	1,039	1,093	758	495	972	659	682	3,809	16,539
10:00am	4,153	595	1,811	952	939	797	48	914	843	638	3,525	15,215
11:00am	4,164	663	1,835	921	935	635	0	821	911	603	3,096	14,584
12:00pm	4,082	602	1,796	879	825	588	0	813	962	592	2,766	13,905
1:00pm	4,174	457	1,852	944	808	601	0	793	971	596	2,735	13,931
2:00pm	4,282	461	1,944	1,054	833	467	0	751	939	633	2,998	14,362
3:00pm	4,007	556	2,120	1,131	800	556	0	762	819	648	3,395	14,794
4:00pm	4,045	591	1,982	1,218	825	553	0	762	1,059	622	3,586	15,243
5:00pm	4,406	621	1,991	1,180	917	569	0	833	1,099	634	3,290	15,540
6:00pm	4,460	524	2,047	1,269	1,077	691	0	886	1,047	747	3,182	15,930
7:00pm	4,250	572	2,167	1,354	1,132	910	0	898	877	777	2,955	15,892
8:00pm	4,024	575	2,198	1,313	1,081	934	0	799	1,056	717	2,359	15,056
9:00pm	3,388	548	2,148	1,237	1,051	980	0	732	982	665	2,280	14,011
10:00pm	3,550	489	2,212	1,007	1,039	983	0	727	1,076	632	2,219	13,934
11:00pm	2,788	374	2,126	899	839	998	0	653	1,171	481	1,665	11,994
TOTAL	81,270	10,809	42,791	22,435	17,553	16,097	1,023	15,434	19,670	12,095	61,859	301,036

* 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 18, 2017). 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, 2017-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	1,674	273	928	923	738	179	772	0	332	372	511	100	1,502	8,304
1:00am	889	139	624	594	543	81	474	0	187	248	341	58	876	5,054
2:00am	723	97	501	512	420	52	292	0	134	160	246	33	547	3,717
3:00am	582	108	448	678	395	38	232	0	100	144	223	27	389	3,364
4:00am	859	183	634	1,195	458	66	246	0	134	156	275	66	419	4,691
5:00am	1,899	342	894	2,174	678	134	382	0	225	251	486	149	585	8,199
6:00am	3,550	567	1,435	2,004	1,119	480	769	0	435	407	868	379	1,374	13,387
7:00am	3,481	488	1,776	1,797	1,376	1,011	1,114	177	613	602	1,072	504	2,266	16,277
8:00am	3,675	432	1,624	1,351	1,362	1,035	1,076	237	614	629	852	434	2,441	15,762
9:00am	3,298	457	1,392	1,412	933	974	974	218	600	620	1,007	550	2,070	14,505
10:00am	3,013	560	1,320	1,510	900	919	813	217	632	596	1,056	532	2,171	14,239
11:00am	2,942	667	1,465	1,410	1,008	896	813	228	616	629	1,028	502	2,268	14,472
12:00pm	3,074	666	1,337	1,394	1,035	874	851	241	621	687	979	420	2,487	14,666
1:00pm	3,235	662	1,334	1,443	1,166	860	813	236	635	680	994	428	2,813	15,299
2:00pm	3,427	728	1,375	1,258	1,065	933	914	264	697	712	1,039	448	3,278	16,138
3:00pm	3,822	708	1,586	1,224	1,133	952	902	286	715	762	1,104	495	3,494	17,183
4:00pm	3,467	800	1,550	1,420	1,100	978	985	369	718	736	1,188	704	2,628	16,643
5:00pm	3,026	791	1,786	1,582	1,193	1,070	1,031	394	783	750	1,219	854	2,388	16,867
6:00pm	2,869	716	1,896	1,576	1,253	1,123	1,168	354	795	861	1,219	710	2,683	17,223
7:00pm	3,324	749	1,526	1,412	1,342	1,113	1,366	0	796	839	1,205	565	3,057	17,294
8:00pm	3,672	777	1,466	1,511	1,251	898	1,400	0	734	696	1,003	348	3,091	16,847
9:00pm	3,242	616	1,604	1,652	1,317	705	1,487	0	646	630	1,027	304	3,339	16,569
10:00pm	3,474	588	1,598	1,710	1,178	611	1,473	0	735	586	1,013	277	3,234	16,477
11:00pm	2,983	467	1,311	1,307	981	392	1,233	0	599	544	805	200	2,367	13,189
TOTAL	66,200	12,581	31,410	33,049	23,944	16,374	21,580	3,221	13,096	13,297	20,760	9,087	51,767	316,366

* 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 18, 2017). 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, 2017-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	1,400	987	1,616	131	4,134	459	2,688	3,147	690	768	1,458	8,739
1:00am	805	679	1,136	50	2,670	229	1,771	2,000	515	525	1,040	5,710
2:00am	621	561	837	40	2,059	128	1,447	1,575	335	473	808	4,442
3:00am	608	540	872	39	2,059	113	1,516	1,629	431	562	993	4,681
4:00am	1,125	781	1,378	137	3,421	273	2,293	2,566	694	1,068	1,762	7,749
5:00am	2,523	1,608	2,577	771	7,479	1,258	3,859	5,117	2,136	3,241	5,377	17,973
6:00am	3,798	2,520	2,761	2,525	11,604	2,630	5,554	8,184	2,746	4,389	7,135	26,923
7:00am	3,796	2,917	2,711	2,966	12,390	3,133	5,303	8,436	2,674	3,386	6,060	26,886
8:00am	3,759	2,727	2,397	2,614	11,497	3,387	4,394	7,781	2,540	2,974	5,514	24,792
9:00am	3,495	2,613	2,117	2,591	10,816	3,583	3,868	7,451	2,573	2,879	5,452	23,719
10:00am	3,044	2,281	1,975	1,756	9,056	2,822	2,722	5,544	2,575	3,358	5,933	20,533
11:00am	2,830	2,090	2,028	1,699	8,647	2,660	2,728	5,388	2,033	2,794	4,827	18,862
12:00pm	2,880	1,994	2,133	1,275	8,282	2,527	2,806	5,333	1,856	2,213	4,069	17,684
1:00pm	2,917	1,910	2,113	1,524	8,464	2,300	3,010	5,310	1,674	2,170	3,844	17,618
2:00pm	2,991	1,816	2,364	1,423	8,594	2,495	2,965	5,460	1,731	2,188	3,919	17,973
3:00pm	3,026	1,720	2,404	1,725	8,875	2,563	3,204	5,767	2,030	1,946	3,976	18,618
4:00pm	3,018	1,649	2,492	1,362	8,521	2,692	3,314	6,006	2,305	1,459	3,764	18,291
5:00pm	3,343	1,754	2,340	1,233	8,670	2,629	3,466	6,095	2,382	1,274	3,656	18,421
6:00pm	3,233	1,716	2,302	1,210	8,461	2,675	3,183	5,858	2,462	1,549	4,011	18,330
7:00pm	3,212	1,568	2,218	983	7,981	2,309	3,289	5,598	1,901	1,684	3,585	17,164
8:00pm	3,233	1,723	2,495	870	8,321	1,630	3,526	5,156	1,507	1,576	3,083	16,560
9:00pm	3,228	1,895	2,322	655	8,100	1,312	3,671	4,983	1,468	1,792	3,260	16,343
10:00pm	3,072	2,073	2,463	481	8,089	1,080	3,736	4,816	1,540	1,761	3,301	16,206
11:00pm	2,472	1,602	2,215	343	6,632	691	3,095	3,786	919	1,499	2,418	12,836
TOTAL	64,429	41,724	50,266	28,403	184,822	45,578	77,408	122,986	41,717	47,528	89,245	397,053

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 18, 2017). 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, 2017-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	1,867	1,449	2,300	375	5,991	645	3,131	3,776	1,030	1,547	2,577	12,344
1:00am	1,140	975	1,500	172	3,787	326	2,067	2,393	734	1,097	1,831	8,011
2:00am	751	693	994	92	2,530	216	1,492	1,708	594	569	1,163	5,401
3:00am	557	542	777	54	1,930	170	1,466	1,636	526	426	952	4,518
4:00am	656	556	913	53	2,178	356	2,134	2,490	808	587	1,395	6,063
5:00am	1,220	909	1,394	132	3,655	830	3,477	4,307	1,536	759	2,295	10,257
6:00am	2,073	1,304	2,043	486	5,906	1,285	3,350	4,635	2,130	1,153	3,283	13,824
7:00am	2,251	1,528	2,060	755	6,594	1,314	3,036	4,350	2,434	1,316	3,750	14,694
8:00am	2,354	1,594	2,082	891	6,921	1,141	2,501	3,642	2,178	1,252	3,430	13,993
9:00am	2,462	1,434	2,064	845	6,805	1,267	2,118	3,385	1,932	1,206	3,138	13,328
10:00am	2,577	1,505	2,223	986	7,291	1,438	3,732	5,170	1,936	1,487	3,423	15,884
11:00am	2,498	1,474	2,393	1,143	7,508	1,758	4,097	5,855	1,962	1,826	3,788	17,151
12:00pm	2,466	1,508	2,363	1,101	7,438	2,199	4,215	6,414	2,076	2,269	4,345	18,197
1:00pm	2,435	1,631	2,414	1,097	7,577	2,707	4,648	7,355	2,423	2,659	5,082	20,014
2:00pm	2,631	1,931	2,657	1,519	8,738	2,772	5,045	7,817	2,389	3,231	5,620	22,175
3:00pm	2,872	2,182	2,915	2,184	10,153	2,740	5,476	8,216	2,336	3,883	6,219	24,588
4:00pm	2,731	2,301	2,987	2,733	10,752	2,641	5,762	8,403	2,250	4,123	6,373	25,528
5:00pm	2,709	2,314	3,018	2,718	10,759	2,705	5,493	8,198	1,709	3,825	5,534	24,491
6:00pm	2,825	2,243	2,779	2,742	10,589	2,443	5,077	7,520	1,882	3,685	5,567	23,676
7:00pm	2,747	2,162	2,811	2,083	9,803	2,165	5,117	7,282	2,400	3,630	6,030	23,115
8:00pm	2,389	2,190	2,951	1,276	8,806	2,133	4,813	6,946	2,323	3,052	5,375	21,127
9:00pm	2,679	2,121	3,172	1,285	9,257	1,232	4,331	5,563	2,372	2,930	5,302	20,122
10:00pm	2,564	2,105	3,165	1,251	9,085	1,312	4,205	5,517	2,176	2,853	5,029	19,631
11:00pm	2,098	1,898	3,111	663	7,770	1,019	3,838	4,857	1,951	2,112	4,063	16,690
TOTAL	51,552	38,549	55,086	26,636	171,823	36,814	90,621	127,435	44,087	51,477	95,564	394,822

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 18, 2017). Thus, there may be some variation in this report and the reports produced by NYC DOT.

SECTION F

FERRY AND TRAMWAY PASSENGERS BY FACILITY

2017-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	73	73	7	80
1:00am	0	0	0	75	75	3	78
2:00am	0	0	0	30	30	0	30
3:00am	0	0	0	96	96	0	96
4:00am	0	0	0	276	276	0	276
5:00am	0	0	474	1,080	1,554	9	1,563
6:00am	0	55	1,543	2,935	4,533	71	4,604
7:00am	40	368	4,184	5,641	10,233	201	10,434
8:00am	375	640	5,887	6,216	13,118	334	13,452
9:00am	326	690	2,463	1,951	5,430	253	5,683
10:00am	152	200	880	1,774	3,006	136	3,142
11:00am	121	153	521	1,776	2,571	172	2,743
12:00pm	130	220	523	1,826	2,699	114	2,813
1:00pm	246	111	318	1,939	2,614	173	2,787
2:00pm	95	213	331	1,550	2,189	206	2,395
3:00pm	170	132	404	2,427	3,133	152	3,285
4:00pm	124	233	548	1,986	2,891	195	3,086
5:00pm	102	221	685	1,411	2,419	176	2,595
6:00pm	125	169	510	1,150	1,954	164	2,118
7:00pm	54	100	244	630	1,028	127	1,155
8:00pm	10	57	105	541	713	67	780
9:00pm	43	40	62	590	735	55	790
10:00pm	0	21	40	296	357	51	408
11:00pm	0	0	9	160	169	20	189
TOTAL	2,113	3,623	19,731	36,429	61,896	2,686	64,582

2017-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	15	649	664	42	706
1:00am	0	0	0	469	469	23	492
2:00am	0	0	0	209	209	4	213
3:00am	0	0	0	155	155	0	155
4:00am	0	0	0	123	123	0	123
5:00am	0	0	0	192	192	1	193
6:00am	3	21	54	766	844	28	872
7:00am	15	49	296	626	986	43	1,029
8:00am	55	95	442	939	1,531	74	1,605
9:00am	82	119	254	792	1,247	83	1,330
10:00am	36	108	176	1,196	1,516	139	1,655
11:00am	48	100	155	1,493	1,796	179	1,975
12:00pm	44	166	199	1,931	2,340	134	2,474
1:00pm	96	84	354	2,202	2,736	194	2,930
2:00pm	74	217	517	2,245	3,053	229	3,282
3:00pm	153	225	698	3,153	4,229	206	4,435
4:00pm	259	338	2,000	5,557	8,154	224	8,378
5:00pm	332	709	3,652	6,883	11,576	272	11,848
6:00pm	308	548	4,018	4,986	9,860	301	10,161
7:00pm	175	253	1,918	2,922	5,268	221	5,489
8:00pm	43	104	589	1,479	2,215	142	2,357
9:00pm	55	91	550	1,637	2,333	121	2,454
10:00pm	0	0	206	1,296	1,502	110	1,612
11:00pm	0	0	77	830	907	60	967
TOTAL	1,778	3,227	16,170	42,730	63,905	2,830	66,735

(1) - Excludes bicyclists

SECTION G
BICYCLE VOLUMES BY SECTOR
SUMMARY, 2017-INBOUND

INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	STATEN ISLAND SECTOR ABOARD FERRY	TOTAL
12:00am	-	46	12	1	59
1:00am	-	25	7	1	33
2:00am	-	16	5	2	23
3:00am	-	13	9	3	25
4:00am	-	27	41	16	84
5:00am	-	70	121	21	212
6:00am	456	242	198	20	916
7:00am	1,066	636	312	52	2,066
8:00am	1,779	1,606	475	36	3,896
9:00am	1,416	1,496	327	30	3,269
10:00am	1,096	677	249	13	2,035
11:00am	1,129	451	147	13	1,740
12:00pm	1,347	377	87	9	1,820
1:00pm	1,260	346	89	13	1,708
2:00pm	1,221	366	113	14	1,714
3:00pm	1,207	404	135	12	1,758
4:00pm	1,265	408	134	17	1,824
5:00pm	1,576	464	136	16	2,192
6:00pm	1,721	459	102	10	2,292
7:00pm	1,582	307	63	6	1,958
8:00pm	1,323	184	38	4	1,549
9:00pm	918	138	35	4	1,095
10:00pm	601	115	32	4	752
11:00pm	361	96	23	2	482
TOTAL	21,324	8,969	2,890	319	33,502

OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	STATEN ISLAND SECTOR ABOARD FERRY	TOTAL
12:00am	-	190	104	11	305
1:00am	-	102	51	4	157
2:00am	-	58	28	2	88
3:00am	-	26	15	2	43
4:00am	-	22	12	3	37
5:00am	-	23	18	4	45
6:00am	369	52	35	4	460
7:00am	731	110	61	8	910
8:00am	910	175	69	6	1,160
9:00am	881	191	59	6	1,137
10:00am	904	186	54	5	1,149
11:00am	1,133	201	48	5	1,387
12:00pm	1,402	236	56	6	1,700
1:00pm	1,267	286	69	11	1,633
2:00pm	1,274	356	104	15	1,749
3:00pm	1,147	423	181	13	1,764
4:00pm	1,277	619	268	33	2,197
5:00pm	1,972	1,113	358	34	3,477
6:00pm	2,490	1,600	365	40	4,495
7:00pm	2,126	1,105	262	25	3,518
8:00pm	1,425	643	174	18	2,260
9:00pm	1,068	486	164	18	1,736
10:00pm	758	433	198	18	1,407
11:00pm	438	329	189	14	970
TOTAL	21,572	8,965	2,942	305	33,784

SECTION G
BICYCLE VOLUMES BY FACILITY
60TH STREET SECTOR, 2017-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	4	96	-	18	13	1	35	1	30	21	2	29	1	3	-	202	456
7:00am	4	218	-	51	30	2	86	2	54	87	-	98	1	33	-	400	1,066
8:00am	4	389	-	61	51	2	154	2	113	194	1	180	4	27	-	597	1,779
9:00am	4	309	2	64	34	2	113	2	111	119	-	154	-	33	1	468	1,416
10:00am	3	210	2	77	41	-	133	1	99	87	1	113	-	26	1	302	1,096
11:00am	2	169	6	127	77	4	204	1	98	85	3	123	4	26	-	200	1,129
12:00pm	2	149	5	172	97	7	221	2	141	108	4	212	7	32	2	186	1,347
1:00pm	4	168	6	146	92	9	195	3	122	81	5	223	2	47	3	154	1,260
2:00pm	6	168	1	115	60	3	165	2	148	97	4	213	12	29	3	195	1,221
3:00pm	6	191	3	115	46	3	148	2	119	104	7	190	3	52	2	216	1,207
4:00pm	8	210	2	106	46	6	165	1	139	101	6	236	5	38	5	191	1,265
5:00pm	5	282	1	120	101	3	163	-	161	149	8	219	6	41	6	311	1,576
6:00pm	13	362	1	122	151	2	182	5	154	166	4	228	6	47	5	273	1,721
7:00pm	13	292	2	123	114	3	153	7	157	133	3	262	11	28	2	279	1,582
8:00pm	12	298	3	88	99	5	112	2	148	79	7	247	9	30	1	183	1,323
9:00pm	9	188	1	66	68	4	69	1	84	94	1	171	7	28	-	127	918
10:00pm	7	133	1	45	38	1	44	2	62	65	1	103	4	13	-	82	601
11:00pm	1	72	1	35	21	1	32	1	43	34	-	53	6	7	-	54	361
TOTAL	107	3,904	37	1,651	1,179	58	2,374	37	1,983	1,804	57	3,054	88	540	31	4,420	21,324

SECTION G
BICYCLE VOLUMES BY LOCATION
60TH STREET SECTOR, 2017-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	67	-	44	1	12	13	-	30	-	2	83	-	12	7	4	94	369
7:00am	156	-	79	2	20	35	-	84	-	6	150	1	25	7	7	159	731
8:00am	234	2	81	-	41	46	-	112	-	7	170	5	29	16	9	158	910
9:00am	182	-	79	-	38	46	3	121	1	17	162	1	21	14	10	186	881
10:00am	162	1	133	-	33	77	3	125	-	9	141	-	28	17	15	160	904
11:00am	164	1	220	3	68	147	1	136	-	5	151	-	60	23	16	138	1,133
12:00pm	129	8	221	1	94	178	3	209	4	13	250	14	77	32	23	146	1,402
1:00pm	147	4	179	1	73	156	3	185	5	6	216	20	77	32	22	141	1,267
2:00pm	155	5	161	4	39	106	6	198	7	10	268	17	81	25	16	176	1,274
3:00pm	212	6	106	6	36	105	2	153	2	12	182	20	89	15	11	190	1,147
4:00pm	232	1	117	5	29	106	2	136	3	4	202	8	103	14	20	295	1,277
5:00pm	393	2	131	5	83	141	2	254	7	11	225	8	102	33	24	551	1,972
6:00pm	396	8	180	10	120	208	3	324	2	17	307	18	115	29	27	726	2,490
7:00pm	390	12	170	6	87	211	2	298	8	18	264	21	95	36	20	488	2,126
8:00pm	253	5	119	8	62	109	2	184	9	14	214	22	109	37	18	260	1,425
9:00pm	176	4	96	6	45	75	2	135	2	23	186	17	83	34	15	169	1,068
10:00pm	125	3	72	5	21	42	1	96	3	13	172	16	42	16	11	120	758
11:00pm	86	-	51	5	15	17	1	86	2	8	72	8	12	4	5	66	438
TOTAL	3,659	62	2,239	68	916	1,818	36	2,866	55	195	3,415	196	1,160	391	273	4,223	21,572

SECTION G
BICYCLE VOLUMES BY LOCATION
BROOKLYN, QUEENS, and STATEN ISLAND SECTORS, 2017-INBOUND

HOURS	BROOKLYN				QUEENS	STATEN ISLAND	TOTAL
	WILLIAMSBURG BRIDGE	BROOKLYN BRIDGE	MANHATTAN BRIDGE	BROOKLYN TOTAL	ED KOCH QUEENSBORO BRIDGE	ABOARD FERRY	
12:00am	26	5	15	46	12	1	59
1:00am	15	3	7	25	7	1	33
2:00am	10	2	4	16	5	2	23
3:00am	8	2	3	13	9	3	25
4:00am	13	6	8	27	41	16	84
5:00am	31	14	25	70	121	21	212
6:00am	119	41	82	242	198	20	460
7:00am	282	115	239	636	312	52	1,000
8:00am	675	298	633	1,606	475	36	2,117
9:00am	661	250	585	1,496	327	30	1,853
10:00am	298	106	273	677	249	13	939
11:00am	201	74	176	451	147	13	611
12:00pm	160	70	147	377	87	9	473
1:00pm	154	63	129	346	89	13	448
2:00pm	164	73	129	366	113	14	493
3:00pm	164	87	153	404	135	12	551
4:00pm	164	89	155	408	134	17	559
5:00pm	186	94	184	464	136	16	616
6:00pm	207	76	176	459	102	10	571
7:00pm	144	49	114	307	63	6	376
8:00pm	85	28	71	184	38	4	226
9:00pm	71	18	49	138	35	4	177
10:00pm	63	15	37	115	32	4	151
11:00pm	52	11	33	96	23	2	121
TOTAL	3,953	1,589	3,427	8,969	2,890	319	12,178

SECTION G
BICYCLE VOLUMES BY LOCATION
BROOKLYN, QUEENS, and STATEN ISLAND SECTORS, 2017-OUTBOUND

HOURS	BROOKLYN				QUEENS	STATEN ISLAND	TOTAL
	WILLIAMSBURG BRIDGE	BROOKLYN BRIDGE	MANHATTAN BRIDGE	BROOKLYN TOTAL	ED KOCH QUEENSBORO BRIDGE	ABOARD FERRY	
12:00am	109	17	64	190	104	11	305
1:00am	58	10	34	102	51	4	157
2:00am	34	5	19	58	28	2	88
3:00am	16	2	8	26	15	2	43
4:00am	14	2	6	22	12	3	37
5:00am	13	2	8	23	18	4	45
6:00am	22	12	18	52	35	4	91
7:00am	47	27	36	110	61	8	179
8:00am	66	35	74	175	69	6	250
9:00am	66	41	84	191	59	6	256
10:00am	67	49	70	186	54	5	245
11:00am	70	67	64	201	48	5	254
12:00pm	83	79	74	236	56	6	298
1:00pm	99	86	101	286	69	11	366
2:00pm	129	95	132	356	104	15	475
3:00pm	168	98	157	423	181	13	617
4:00pm	250	138	231	619	268	33	920
5:00pm	413	227	473	1,113	358	34	1,505
6:00pm	637	259	704	1,600	365	40	2,005
7:00pm	501	155	449	1,105	262	25	1,392
8:00pm	309	89	245	643	174	18	835
9:00pm	245	61	180	486	164	18	668
10:00pm	221	55	157	433	198	18	649
11:00pm	171	36	122	329	189	14	532
TOTAL	3,808	1,647	3,510	8,965	2,942	305	12,212

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Appendix IV

List of Data Sources - 2017

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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 Central Business District (CBD) by mode around the clock. The count day is preferably a Wednesday in October, which is considered to be an average weekday in an average month. This report would not be possible without the help of various transportation agencies providing NYMTC with travel data.

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

This information is generated from:

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

Bicycle

This information is generated from:

- * NYCDOT: Staten Island Ferry, 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, fare collection.
- * Port Authority Hudson River toll facilities, fare collection.