

NEW YORK METROPOLITAN TRANSPORTATION COUNCIL



# HUB BOUND

travel data

2016

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- Amtrak
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- Westchester County Department of Public Works and Transportation
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- New York Water Taxi
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- Seastreak Ferry



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## 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.

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## Data Availability:

- The data contained in this report is available for download in Excel format at [www.nymtc.org](http://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](http://www.tig.nymtc.org)
- All the data presented in this report are provided by the relevant transportation agencies.
- Due to the loss of NYMTC's files and databases on Sept. 11, 2001, data for 1999 are largely absent. Some sources were able to provide limited data for that year.

## Preface:

The 2016 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) or 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 detail 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 2016. Both vehicle travel and person travel 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 by 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 2016 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.



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# MANHATTAN CBD CORDON CROSSINGS BY SECTOR

## 60TH STREET SECTOR (WEST SIDE)

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

## 60TH STREET SECTOR (EAST SIDE)

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

## QUEENS SECTOR

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

## NEW JERSEY SECTOR

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

C B D

## BROOKLYN SECTOR

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

## STATEN ISLAND SECTOR

Staten Island Ferry

**CROSSING TYPE**  
—— BRIDGE/  
ROAD  
- - - TUNNEL  
- - - FERRY

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

## 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 the 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 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.

## HIGHLIGHTS

1. A total of 3.9 million persons entered Manhattan's Central Business District (CBD) during the course of a given business day in October 2016.
2. A total of 7.8 million persons entered and left the Manhattan CBD on the survey day in 2016, about 1.2 percent less than in 2015.
3. Approximately 37% of persons who entered the CBD did so during the morning peak period, from 7:00 am to 10:00 am. (Appendix I - Table 3).
4. Approximately 5.9 million persons entered and left the CBD using public transportation in 2016 – about 39,000 or near 1% more than those who used public transportation in 2015 (Table 5).
5. The total of people entering and leaving the CBD by autos, taxis, vans and trucks declined by almost 60,000 (to 1.82 million) since 2015. (Table 10).
6. MTA New York City Transit subways carry 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 – 10 AM) and evening (4:00 PM – 7:00 PM) peak periods; the remaining 49% of all subway passengers travelled during the off-peak periods. (Table 6).
7. About 84% of express bus passengers entering the CBD in 2016 came from points west of the Hudson River, while 16% of all express bus passengers came from within New York City itself. The remaining less than 1% arrived from points north of New York City (Table 9).
8. About 44% of all private vehicles (autos, taxis, commuter vans and trucks) entering and leaving the CBD in 2016 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%, 17%, and 13% of the total number of private vehicles, respectively (Table 11).
9. Twenty-four percent of travelers crossing the CBD boundaries during the morning peak hours (7:00 am - 10:00 am) traveled counter to the predominant direction of travel. Of these reverse travelers, 61% traveled by subway. Overall morning reverse travel decreased almost 3% since 2015 (Table 12).
10. The heaviest hour for travel into the CBD in 2016 was 8:00 am to 9:00 am, during which time almost 626,000 persons entered the CBD. Sixty-five percent of these travelers entered the CBD using the subway system while about 9% took private vehicles and 16% rode suburban rail (Table 24). The evening peak hour leaving the city saw 485,000 persons leave the CBD between 5:00 and 6:00 pm; of these travelers, 61% rode the subway, 11% took a private vehicle, and 16% traveled by regional rail (Table 25).



# QUICK REFERENCE DATA

## PERSONS ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY BY MODE AND SECTOR, IN 2016

SECTOR / MODE	Entering	Leaving	Total
<b>60TH STREET</b>			
SUBWAY	844,229	812,997	1,657,226
AUTOS, TAXIS, VANS AND TRUCKS	412,395	407,140	819,535
BUS	30,944	32,687	63,631
SUBURBAN AND INTERCITY RAIL	111,187	111,358	222,545
FERRY	-	-	-
BICYCLE	19,964	20,099	40,063
<b>TOTAL 60TH STREET SECTOR - ALL MODES</b>	<b>1,418,719</b>	<b>1,384,281</b>	<b>2,803,000</b>
<b>BROOKLYN</b>			
SUBWAY	833,647	805,170	1,638,817
AUTOS, TAXIS, VANS AND TRUCKS	215,193	232,285	447,478
BUS	21,925	18,971	40,896
SUBURBAN AND INTERCITY RAIL	-	-	-
FERRY	566	972	1,538
BICYCLE	8,833	8,849	17,682
<b>TOTAL BROOKLYN SECTOR - ALL MODES</b>	<b>1,080,164</b>	<b>1,066,247</b>	<b>2,146,411</b>
<b>QUEENS (and TRAMWAY)</b>			
SUBWAY	492,702	495,149	987,851
AUTOS, TAXIS, VANS AND TRUCKS	156,761	157,376	314,137
BUS	10,346	9,760	20,106
SUBURBAN AND INTERCITY RAIL	122,016	120,327	242,343
FERRY	-	1,261	-
BICYCLE	2,841	2,789	5,630
TRAMWAY	4,521	4,684	9,205
<b>TOTAL QUEENS SECTOR - ALL MODES</b>	<b>789,187</b>	<b>791,346</b>	<b>1,580,533</b>
<b>NEW JERSEY</b>			
SUBWAY and PATH	128,822	124,921	253,743
AUTOS, TAXIS, VANS AND TRUCKS	112,890	126,253	239,143
BUS	215,478	215,629	431,107
SUBURBAN AND INTERCITY RAIL	105,413	95,392	200,805
FERRY	18,264	17,572	35,836
BICYCLE	-	-	-
<b>TOTAL NEW JERSEY SECTOR - ALL MODES</b>	<b>580,867</b>	<b>579,767</b>	<b>1,160,634</b>
<b>STATEN ISLAND (via FERRY)</b>			
SUBWAY	-	-	-
AUTOS, TAXIS, VANS AND TRUCKS	-	-	-
BUS	-	-	-
SUBURBAN AND INTERCITY RAIL	-	-	-
FERRY	40,711	43,405	84,116
BICYCLE	350	359	709
<b>TOTAL STATEN ISLAND (via FERRY)</b>	<b>41,061</b>	<b>43,764</b>	<b>84,825</b>
<b>ALL SECTORS</b>			
SUBWAY	2,299,400	2,238,237	4,537,637
AUTOS, TAXIS, VANS AND TRUCKS	897,239	923,054	1,820,293
BUS	278,693	277,047	555,740
SUBURBAN AND INTERCITY RAIL	338,616	327,077	665,693
FERRY	59,541	63,210	122,751
BICYCLE	31,988	32,096	64,084
TRAMWAY	4,521	4,684	9,205
<b>TOTAL ALL SECTORS - ALL MODES</b>	<b>3,909,998</b>	<b>3,865,405</b>	<b>7,775,403</b>

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# THE HUB OF THE REGION

Defined as that portion of Manhattan lying south of 60<sup>th</sup> Street, the Manhattan Central Business District (CBD) is the hub of the Tri-State Region.

Almost 2 million people go there to work and an additional 1.9 million enter the area each day.

Although many of the latter are just passing through, a significant number make use of the commercial, educational and cultural activities for which the Manhattan CBD is renowned.

During the 10-year period between 2006 and 2016, the total number of people entering CBD increased substantially by almost 9%, to a peak of over 3.93 million in 2015, and 3.91 million in 2016.

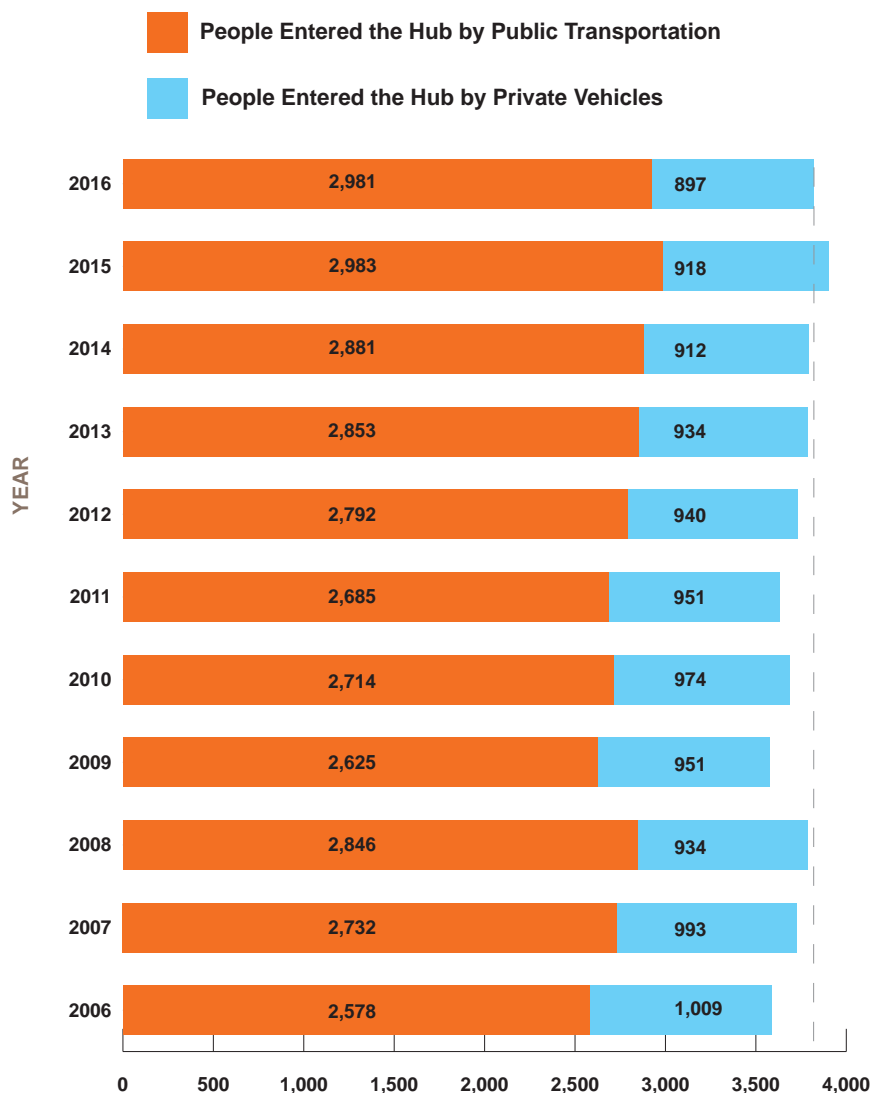
## HUB-BOUND TRAVEL TREND

In 2016, more than 2.98 million passengers boarded public transportation, and almost 0.9 million used private motor vehicles to enter the hub on a fall business weekday.

FIGURE 1

### TOTAL NUMBER OF PEOPLE ENTERING THE HUB

IN THOUSANDS



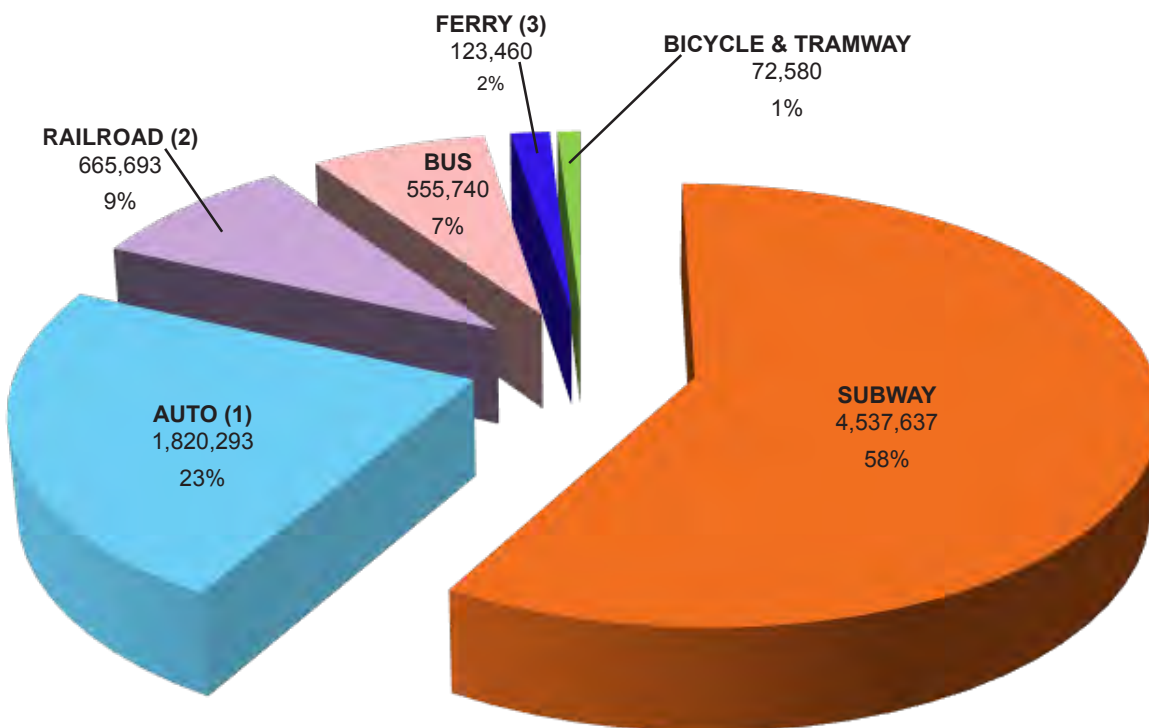
## Mass Transit

Mass transit is undoubtedly the most utilized transportation mode for Central Business District (CBD) travelers. The region's subways continue to be the prime people mover by carrying 58% of all persons entering the CBD in 2016. Persons entering the CBD via autos, taxi, vans, and trucks accounted for 23%, while suburban rail and total bus riders accounted for 9% and 7%, respectively, in 2016. At the same time, over 123 thousand people (about 2%) used ferries and more than 72 thousand people (about 1%) used bicycles and the Roosevelt Tramway to enter the CBD.

FIGURE 2

### SHARE OF PERSONS ENTERING AND LEAVING THE HUB

BY MODE, IN 2016



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

Despite fluctuations in the number of persons entering the CBD over the years, the percentage of total entries during the 8-9 a.m. peak hour and 7-10 a.m. peak period have remained relatively stable. Although 24 hour entries rose 310,000 (almost 9%) between 2006 and 2016, over 39 percent of the increase occurred during the 7-10 a.m. peak period.



FIGURE 3

## HOURLY FLUCTUATION OF PEOPLE ENTERING AND LEAVING THE HUB

BY HOUR, IN 2016

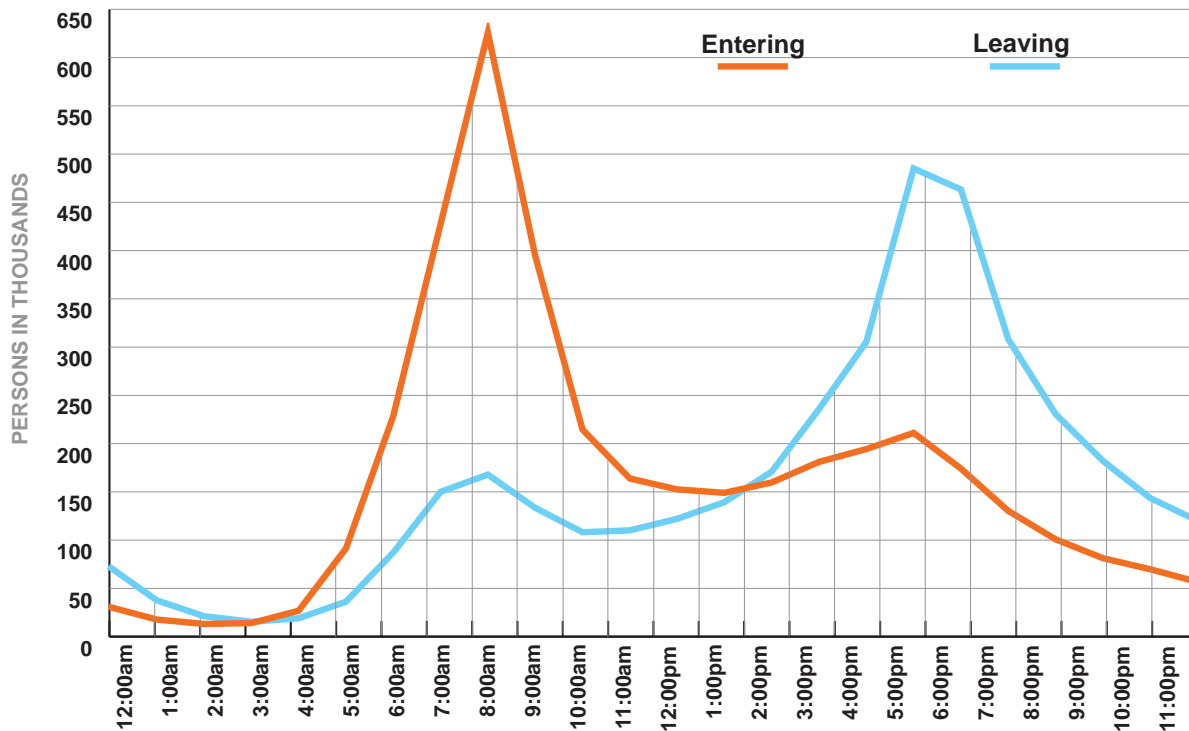
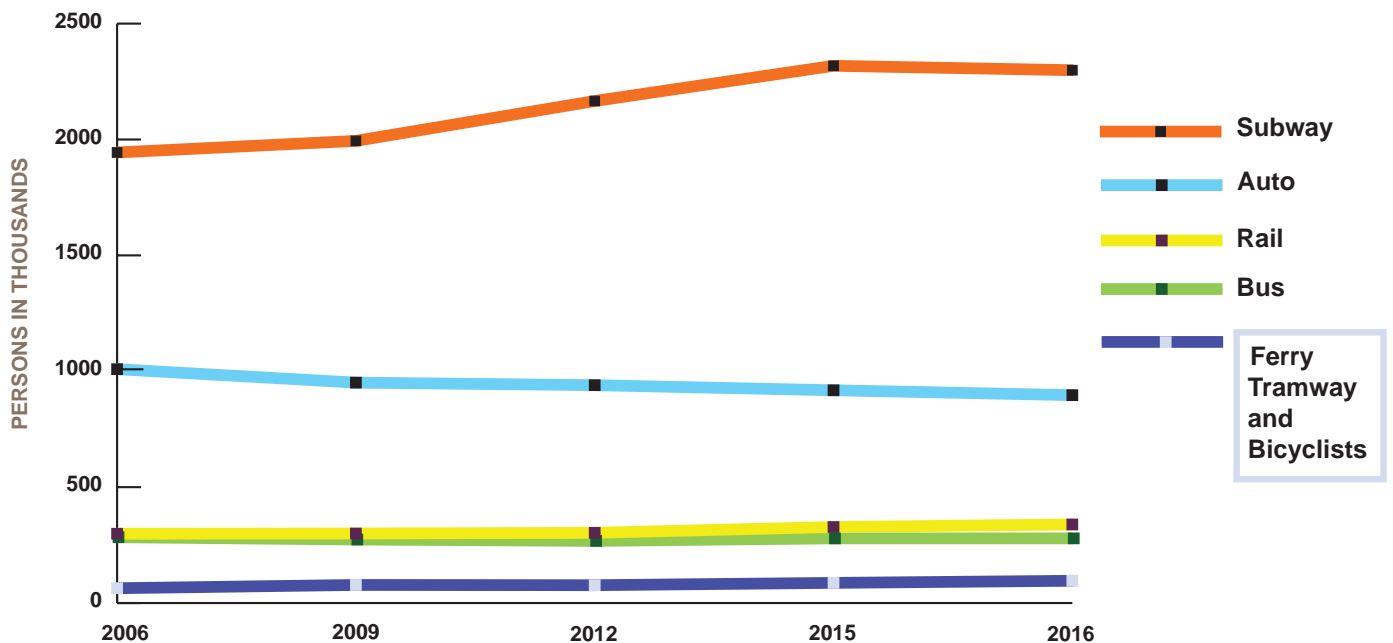


FIGURE 4

## PERSONS ENTERING THE HUB

BY MODE, FOR SELECTED YEARS



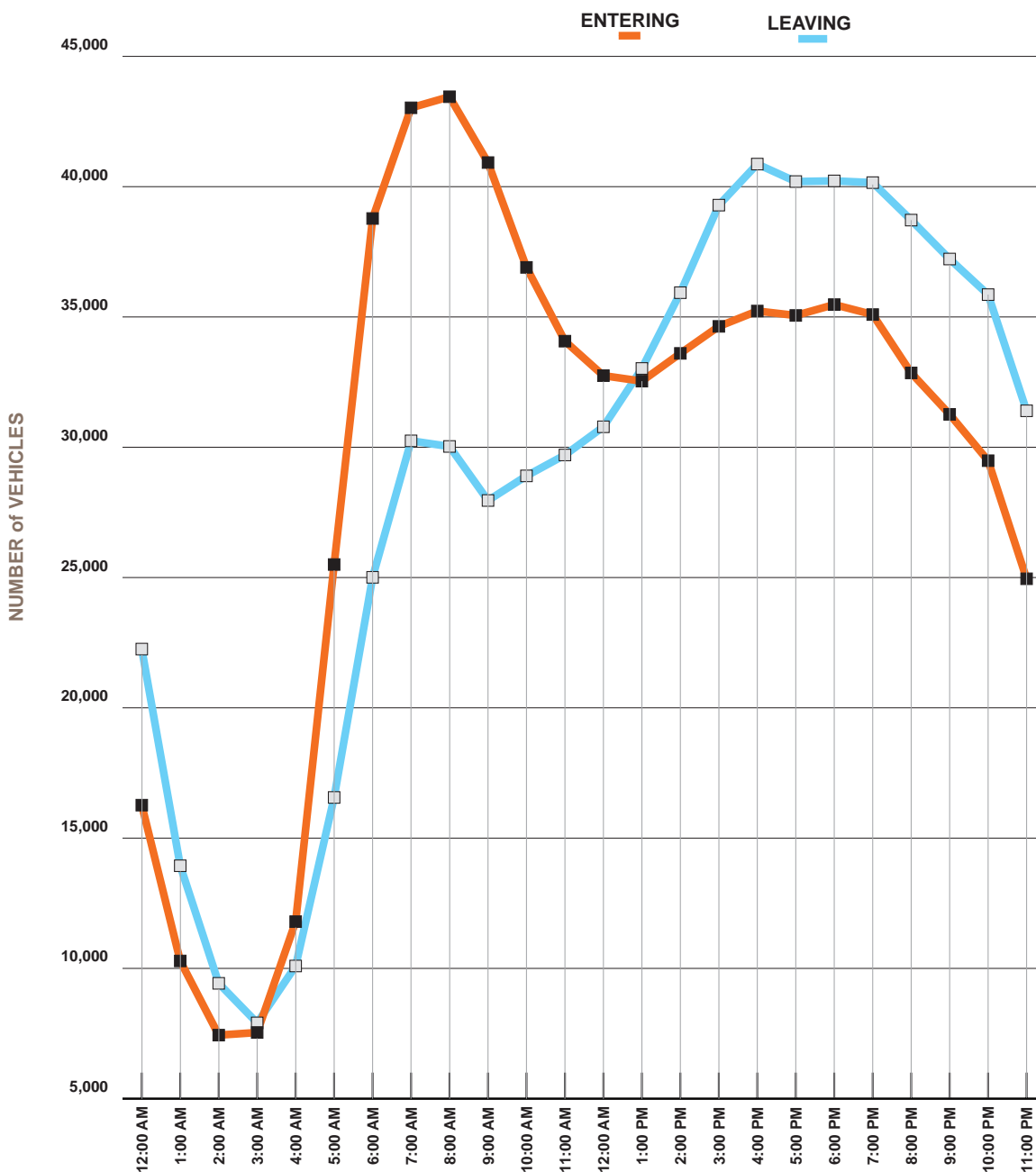
## Auto, Taxi, Van, and Truck

Approximately one-fourth of the total persons entering and leaving the Central Business District (CBD) on a fall business weekday are occupants of autos, taxis and trucks.

FIGURE 5

### PRIVATE VEHICLES ENTERING AND LEAVING THE HUB

BY HOUR, IN 2016

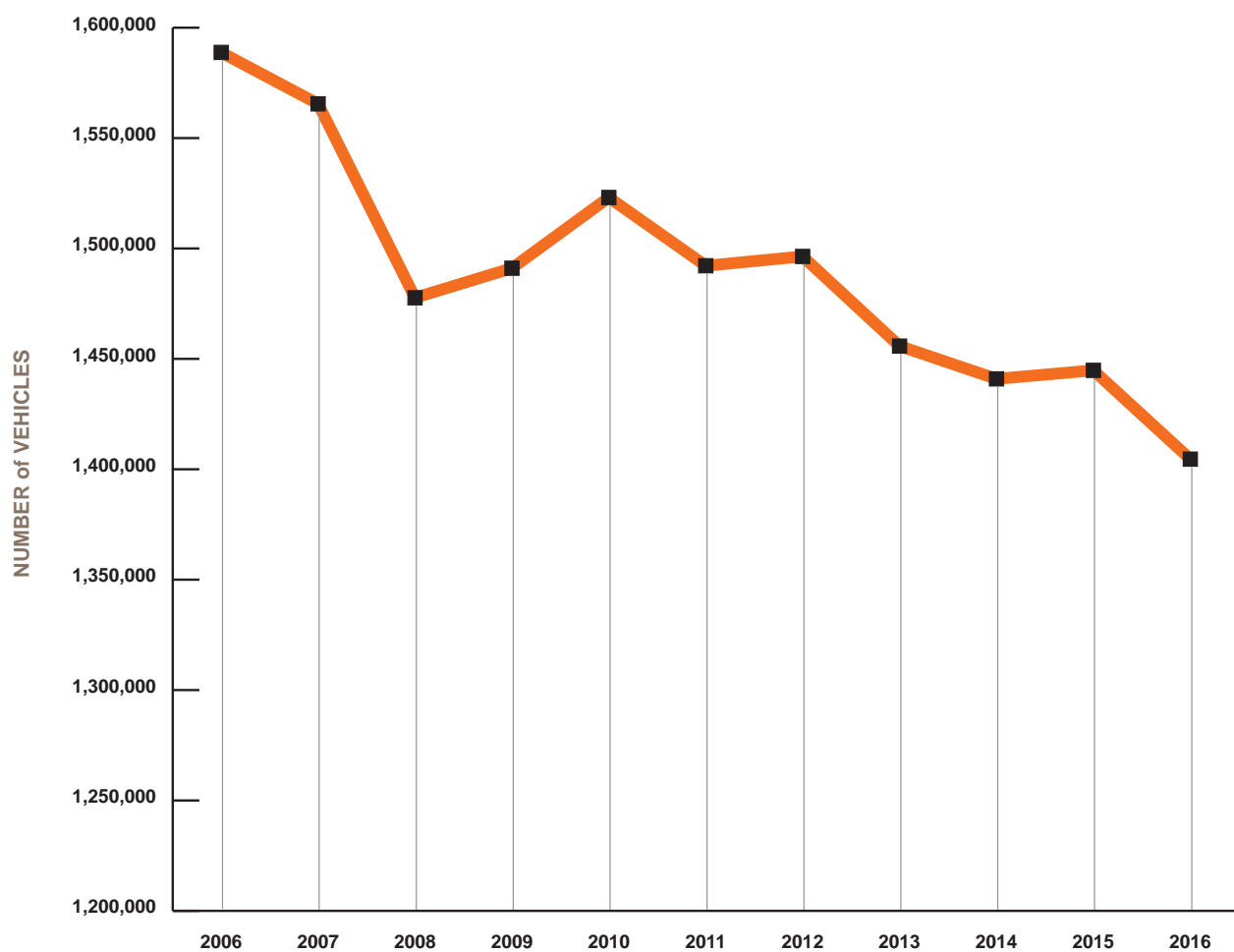


However, as shown in Figure 6, use of auto to travel to the hub has declined over the past decade. Meanwhile, use of mass transit to and from the Central Business District (CBD) has increased steadily.

FIGURE 6

## TOTAL PRIVATE VEHICLES ENTERING AND LEAVING THE HUB IN A FALL BUSINESS DAY

IN YEARS 2006 - 2016

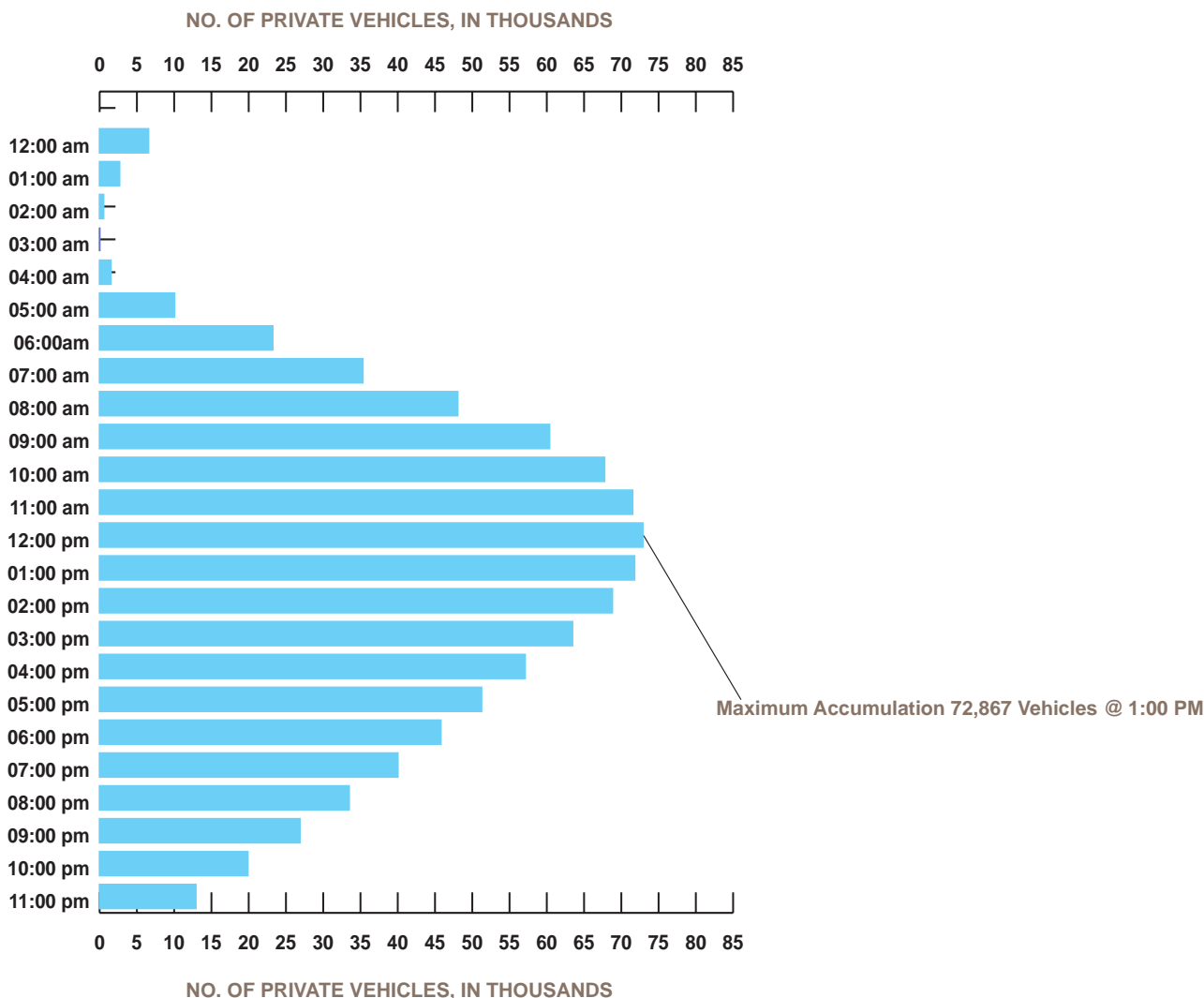


As a result of less persons entering and leaving the Central Business District (CBD) via private vehicles, the maximum accumulation of vehicles decreased from 90,000 in 2006 to less than 73,000 in 2016.

FIGURE 7

# HOURLY ACCUMULATION OF VEHICLES

BY HOUR, IN 2016



The 60<sup>th</sup> Street sector registered almost 623,000 private vehicles or 45% of all private vehicles crossing the hub on a fall business weekday of 2016.

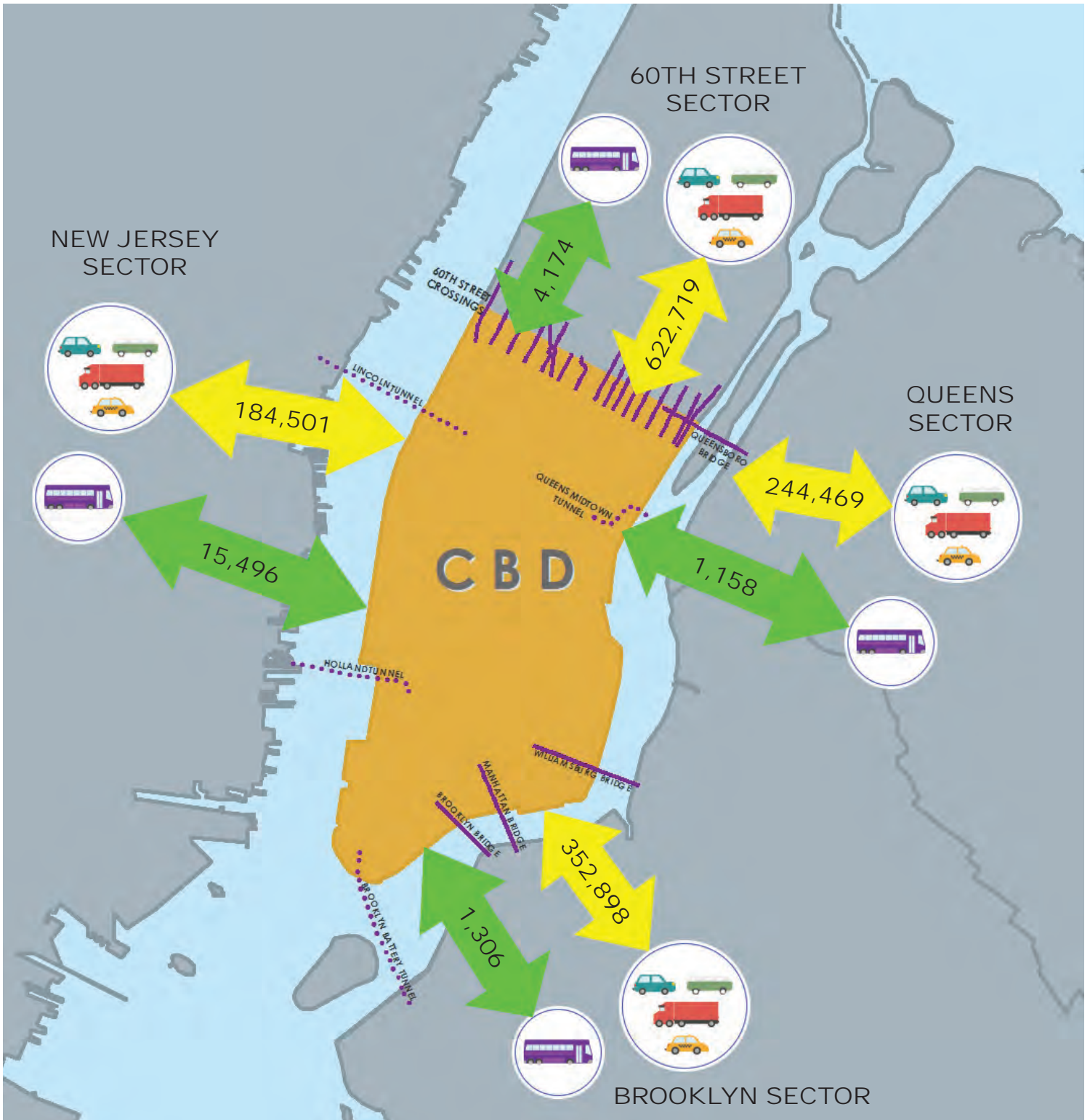
In 2016, express buses from New Jersey accounted for 70% (or 15,496) of all buses entering and leaving the CBD. This is in contrast to the lowest number of private vehicles (184,501) crossing CBD in both directions from NJ on the average weekday.



FIGURE 8

## TOTAL BUSES AND PRIVATE VEHICLES ENTERING AND LEAVING THE HUB

IN 2016 FALL BUSINESS DAY



## Bicycle

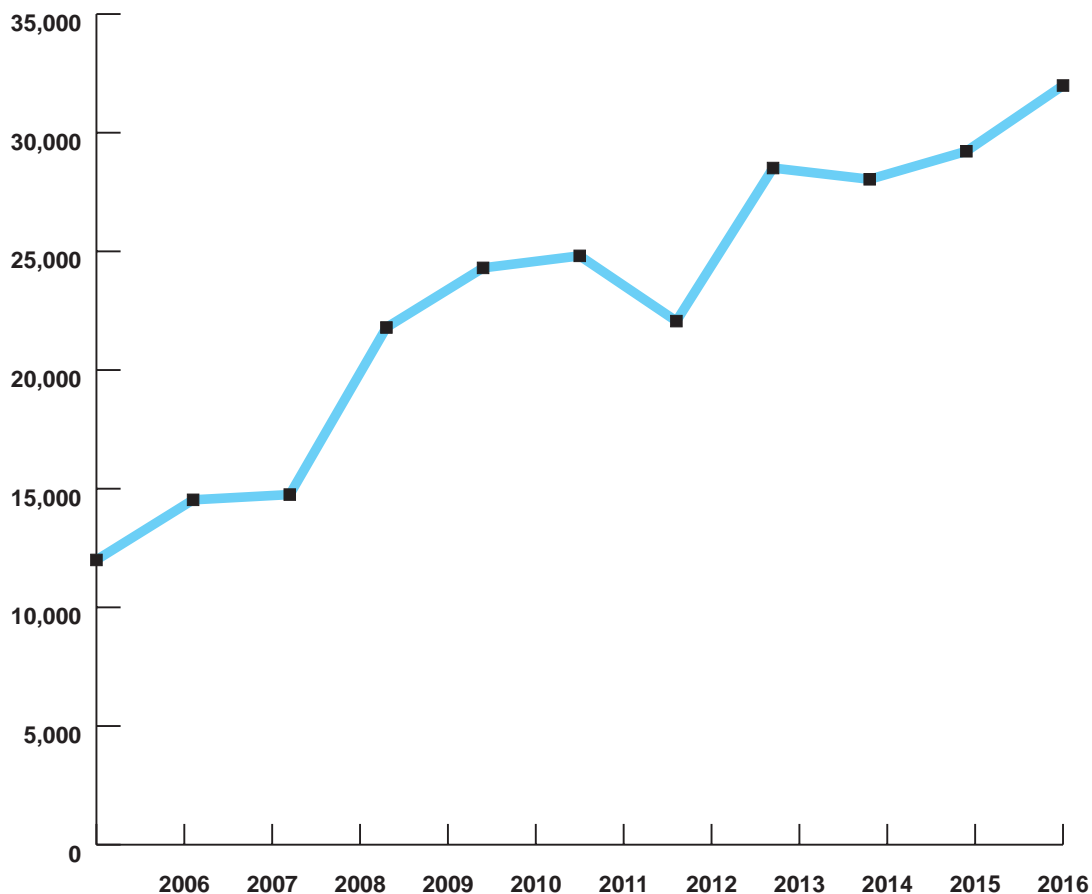
Daily cycling to the hub increased by almost 170% since 2006.

About 32,000 people used bicycles each way to/from the Central Business District (CBD) in 2016.

FIGURE 9

### TOTAL NUMBER OF BICYCLISTS ENTERING THE HUB

IN 2016 FALL BUSINESS DAY

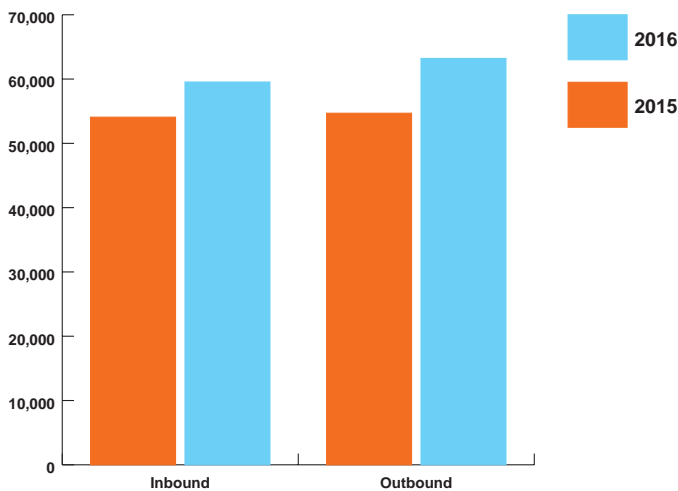


## Ferry and Tramway

Between the years 2015 and 2016, the total number of people entering and leaving the Central Business District (CBD) by ferries increased by 10% and 16%, respectively.

FIGURE 10

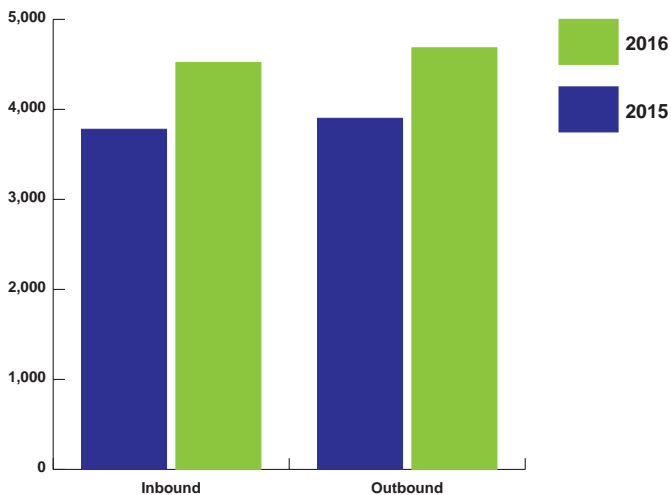
### TOTAL NUMBER OF FERRY COMMUTERS ENTERING AND LEAVING THE HUB



In the same time period, the number of passengers who used Roosevelt Island Tramway to enter and leave the CBD increased by 20% each way in 2016.

FIGURE 11

### TOTAL NUMBER OF THE ROOSEVELT ISLAND TRAMWAY COMUTERS, ENTERING AND LEAVING THE HUB



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# Appendix I

## Time Series Tables - 2016

**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	
<b>PERSONS BY MODE</b>																		
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%
<b>TOTAL</b>	<b>3,074</b>	<b>-</b>	<b>3,233</b>	<b>-</b>	<b>3,362</b>	<b>-</b>	<b>3,392</b>	<b>-</b>	<b>3,475</b>	<b>-</b>	<b>3,322</b>	<b>-</b>	<b>3,335</b>	<b>-</b>	<b>3,330</b>	<b>-</b>	<b>3,382</b>	<b>-</b>
<b>PERSONS BY SECTOR</b>																		
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%
<b>TOTAL</b>	<b>3,074</b>	<b>-</b>	<b>3,233</b>	<b>-</b>	<b>3,362</b>	<b>-</b>	<b>3,392</b>	<b>-</b>	<b>3,475</b>	<b>-</b>	<b>3,322</b>	<b>-</b>	<b>3,336</b>	<b>-</b>	<b>3,330</b>	<b>-</b>	<b>3,382</b>	<b>-</b>
<b>MOTOR VEHICLES BY SECTOR</b>																		
<b>(AUTOS, TAXIS, VANS, TRUCKS)</b>																		
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%
<b>TOTAL</b>	<b>679</b>	<b>-</b>	<b>701</b>	<b>-</b>	<b>770</b>	<b>-</b>	<b>753</b>	<b>-</b>	<b>766</b>	<b>-</b>	<b>761</b>	<b>-</b>	<b>776</b>	<b>-</b>	<b>760</b>	<b>-</b>	<b>755</b>	<b>-</b>

**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	
<b>PERSONS BY MODE</b>																		
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					8	0%	8	0%	14	0%	6	0%	6	0%	7	0%	9	0%
<b>TOTAL</b>	<b>3,410</b>	<b>-</b>	<b>3,454</b>	<b>-</b>	<b>3,546</b>	<b>-</b>	<b>3,670</b>	<b>-</b>	<b>3,790</b>	<b>-</b>	<b>3,839</b>	<b>-</b>	<b>3,471</b>	<b>-</b>	<b>3,657</b>	<b>-</b>	<b>3,621</b>	<b>-</b>
<b>PERSONS BY SECTOR</b>																		
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%
<b>TOTAL</b>	<b>3,410</b>	<b>-</b>	<b>3,433</b>	<b>-</b>	<b>3,544</b>	<b>-</b>	<b>3,669</b>	<b>-</b>	<b>3,790</b>	<b>-</b>	<b>3,839</b>	<b>-</b>	<b>3,471</b>	<b>-</b>	<b>3,657</b>	<b>-</b>	<b>3,621</b>	<b>-</b>
<b>MOTOR VEHICLES BY SECTOR</b> <b>(AUTOS, TAXIS, VANS, TRUCKS)</b>																		
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%
<b>TOTAL</b>	<b>772</b>	<b>-</b>	<b>776</b>	<b>-</b>	<b>809</b>	<b>-</b>	<b>836</b>	<b>-</b>	<b>844</b>	<b>-</b>	<b>825</b>	<b>-</b>	<b>689</b>	<b>-</b>	<b>785</b>	<b>-</b>	<b>810</b>	<b>-</b>

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

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

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
1960	9%	23%	32%	59%	25%	49%
1963	9%	23%	31%	58%	25%	48%
1973	8%	22%	31%	61%	24%	49%
1974	8%	23%	32%	60%	25%	49%
1975	8%	22%	30%	59%	24%	48%
1976	8%	22%	32%	60%	25%	48%
1977	8%	23%	32%	61%	25%	49%
1978	8%	23%	31%	59%	24%	48%
1979	8%	22%	31%	59%	24%	48%
1980	9%	23%	32%	60%	25%	49%
1981	8%	23%	31%	60%	24%	49%
1982	9%	23%	31%	59%	24%	48%
1983	8%	24%	30%	59%	23%	47%
1984	8%	23%	31%	60%	23%	47%
1985	8%	22%	31%	60%	23%	47%
1986	8%	22%	28%	57%	21%	45%
1987	8%	22%	27%	56%	20%	45%
1988	8%	22%	26%	56%	20%	45%
1989	8%	22%	27%	57%	21%	45%
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%

\* Percentages express the peak-period share of private motor vehicle and public transportation to total of 24-hour period person entries, respectively.

**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 *
1960	3,349,000	1,627,000	848,000	2,007,000
1971	3,179,000	1,574,700	805,300	1,913,000
1976	2,852,300	1,367,300	699,600	1,689,000
1977	2,862,300	1,395,600	708,600	1,673,000
1978	2,870,300	1,360,400	675,700	1,722,000
1979	2,931,000	1,417,200	705,600	1,758,000
1980	3,013,000	1,467,300	739,200	1,777,000
1981	3,074,600	1,489,500	735,300	1,835,000
1982	3,233,400	1,509,500	749,100	1,852,000
1983	3,267,700	1,521,800	751,700	1,876,000
1984	3,274,100	1,551,100	763,300	1,915,000
1985	3,361,600	1,569,600	758,600	1,942,000
1986	3,392,300	1,530,100	713,000	1,964,000
1987	3,415,300	1,524,600	691,200	2,009,000
1988	3,474,500	1,547,400	700,300	1,987,000
1989	3,482,200	1,574,600	724,900	1,989,000
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	2,288,500
2009	3,598,327	1,327,128	575,127	2,275,100
2010	3,688,432	1,352,456	580,733	2,259,800
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	1,928,000
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

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

- 2011-2016 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.
1971	1,545,000	508,000	2,053,000	01:00 PM	109,500	96,400	205,900	1:00pm
1973	1,407,000	507,000	1,914,000	01:00 PM	89,300	92,800	182,100	2:00pm
1974	1,411,000	510,000	1,921,000	01:00 PM	85,700	90,000	175,700	2:00pm
1975	1,402,000	502,000	1,904,000	01:00 PM	84,400	88,500	172,900	2:00pm
1976	1,319,000	507,000	1,826,000	01:00 PM	93,500	82,300	175,800	1:00pm
1977	1,356,000	505,000	1,861,000	01:00 PM	97,400	79,600	177,000	2:00pm
1978	1,329,000	503,000	1,832,000	01:00 PM	96,900	79,800	176,700	2:00pm
1979	1,388,000	504,000	1,892,000	02:00 PM	101,500	79,000	180,500	2:00pm
1980	1,436,000	508,000	1,944,000	01:00 PM	101,500	77,400	178,900	2:00pm
1981	1,446,000	508,000	1,954,000	01:00 PM	97,400	78,200	175,600	2:00pm
1982	1,487,000	508,000	1,995,000	01:00 PM	102,100	78,600	180,700	2:00pm
1983	1,500,000	507,000	2,007,000	01:00 PM	105,800	77,800	183,600	1:00pm
1984	1,511,000	513,000	2,024,000	01:00 PM	125,300	77,900	203,200	2:00pm
1985	1,471,000	521,000	1,992,000	01:00 PM	104,000	81,000	185,000	1:00pm
1986	1,485,000	525,000	2,010,000	01:00 PM	107,200	85,000	192,200	1:00pm
1987	1,448,000	526,000	1,974,000	01:00 PM	110,900	86,200	197,100	2:00pm
1988	1,447,000	530,000	1,977,000	02:00 PM	100,800	87,800	188,600	1:00pm
1989	1,481,000	531,000	2,012,000	01:00 PM	101,300	88,300	189,600	2:00pm
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	71,949	151,600	1:00pm
2012	1,316,844	597,000	1,833,480	02:00 PM	81,359	71,524	156,762	1:00pm
2013	1,342,153	598,000	1,863,070	02:00 PM	79,753	71,217	155,123	1:00pm
2014	1,365,561	600,000	1,863,596	02:00 PM	75,896	71,398	147,294	1:00pm
2015	1,392,132	603,000	2,012,132	02:00 PM	78,750	73,031	151,780	1:00pm
2016	1,381,111	620,000	2,001,111	02:00 PM	72,867	73,065	145,933	1:00pm

\* NYMTC Estimate

- 2011-2016 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, 2010-2016**

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

(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, 2010-2016**

	2010	2011	2012	2013	2014	2015	2016
<b>SUBWAY PASSENGERS</b>							
<b>60TH STREET SECTOR</b>							
LEXINGTON AVENUE EXPRESS	336,589	332,854	350,863	362,135	372,522	363,116	386,250
LEXINGTON AVENUE LOCAL	325,009	333,752	340,920	346,656	341,376	327,790	307,982
EIGHTH AVENUE EXPRESS	254,352	246,977	246,977	278,292	286,126	299,008	274,781
EIGHTH AVENUE LOCAL	115,898	118,802	123,777	128,046	132,713	144,149	144,082
BROADWAY/7TH AVE EXPRESS	266,418	266,070	281,075	293,363	295,947	311,191	320,456
BROADWAY/7TH AVE LOCAL	218,013	219,082	224,899	235,546	239,350	235,108	223,675
<b>SECTOR TOTAL</b>	<b>1,516,279</b>	<b>1,517,537</b>	<b>1,589,663</b>	<b>1,644,038</b>	<b>1,668,034</b>	<b>1,680,362</b>	<b>1,657,226</b>
<b>BROOKLYN SECTOR</b>							
14TH STREET TUNNEL	195,146	199,221	217,993	224,172	234,538	258,485	248,094
WILLIAMSBURG BRIDGE	118,869	119,384	124,980	132,233	138,808	160,790	165,077
RUTGERS TUNNEL	127,514	131,136	139,459	146,056	154,590	157,575	154,766
MANHATTAN BRIDGE	375,606	361,151	382,856	423,470	391,249	437,764	419,024
CRANBERRY ST. TUNNEL	225,762	229,748	243,259	253,840	269,635	252,724	251,898
CLARK ST. TUNNEL	140,989	143,536	146,585	159,668	149,865	147,180	151,529
MONTAGUE ST. TUNNEL	59,675	63,531	65,440	- (5)	63,660	56,863	61,386
JORALEMON ST. TUNNEL	184,787	182,647	190,859	215,002	194,120	169,645	187,043
<b>SECTOR TOTAL</b>	<b>1,428,348</b>	<b>1,430,354</b>	<b>1,511,431</b>	<b>1,554,441</b>	<b>1,596,465</b>	<b>1,641,026</b>	<b>1,638,817</b>
<b>QUEENS SECTOR</b>							
60TH STREET TUNNEL	264,694	269,524	277,751	280,490	282,481	283,573	292,407
53RD STREET TUNNEL	273,974	276,546	291,506	296,450	293,904	290,750	261,254
STEINWAY ST. TUNNEL	201,016	201,130	209,062	217,307	218,246	251,677	253,508
63RD STREET TUNNEL	171,082	169,055	172,102	173,726	173,005	184,759	180,682
<b>SECTOR TOTAL</b>	<b>910,766</b>	<b>916,255</b>	<b>950,421</b>	<b>967,973</b>	<b>967,636</b>	<b>1,010,759</b>	<b>987,851</b>
<b>NEW JERSEY SECTOR</b>							
PATH DOWNTOWN	106,131	105,804	108,402	104,578	98,179	109,785	122,884
PATH UPTOWN	126,033	123,861	122,821	126,941	124,721	135,752	130,859
<b>SECTOR TOTAL</b>	<b>232,164</b>	<b>229,665</b>	<b>231,223</b>	<b>231,519</b>	<b>222,900</b>	<b>245,537</b>	<b>253,743</b>
<b>TOTAL SUBWAY PASSENGERS</b>	<b>4,087,557</b>	<b>4,093,811</b>	<b>4,282,738</b>	<b>4,397,971</b>	<b>4,455,035</b>	<b>4,577,684</b>	<b>4,537,637</b>
<b>SUBURBAN RAIL PASSENGERS</b>							
AMTRAK & MTA METRO-NORTH RR	203,561	210,491	212,203	212,920	215,376	221,466	222,545
AMTRAK & MTA LIRR	226,428	226,093	227,522	230,974	235,797	238,956	242,343
AMTRAK & NJ TRANSIT	166,830	158,287	164,098	172,646	181,752	194,377	200,805
<b>TOTAL RAIL PASSENGERS</b>	<b>596,819</b>	<b>594,871</b>	<b>603,823</b>	<b>616,540</b>	<b>632,925</b>	<b>654,799</b>	<b>665,693</b>
<b>FERRY PASSENGERS</b>							
MANHATTAN & UPSTATE	-	-	-	-	-	-	-
BROOKLYN	300	1,670	1,904	313	147	468	1,538
QUEENS	55	109	704	702	-	948	1,261
STATEN ISLAND	74,028	64,029	72,705	67,299 (3)	58,511 (3)	72,456 (3)	84,116 (3)
NEW JERSEY	36,042	36,008	30,279	29,239	29,069	34,887	35,836
<b>TOTAL FERRY PASSENGERS</b>	<b>110,425</b>	<b>101,816</b>	<b>105,592</b>	<b>97,553</b>	<b>87,727</b>	<b>108,759</b>	<b>122,751</b>
<b>ROOSEVELT ISLAND TRAMWAY</b>	<b>(2)</b>	<b>6,174</b>	<b>6,759</b>	<b>7,080</b>	<b>5,561</b>	<b>7,680</b>	<b>9,205</b>
<b>TOTAL PUBLIC TRANSIT PASSENGERS</b>	<b>5,323,055</b>	<b>5,324,379</b>	<b>5,523,313</b>	<b>5,651,171</b>	<b>5,709,000</b>	<b>5,929,761</b>	<b>5,891,026</b>
<b>BICYCLE</b>	<b>48,557</b>	<b>49,470</b>	<b>43,608</b>	<b>56,787 (4)</b>	<b>55,360 (4)</b>	<b>58,448 (4)</b>	<b>64,078 (4)</b>

(1) - The B51 serves the Manhattan bridge and B39 serves the Williamsburg bridge were discontinued in June 2010  
 (2) - Data for Roosevelt Island Tramway not available due to closure of the aerial tramway for modernization in 2010

(3) - Excludes number of Bicyclists on Ferry

(4) - Total includes Staten Island Ferry Bicyclists

(5) - Location was not surveyed due to Montague Tunnel closure

**TABLE 6**  
**TOTAL RAIL TRAINS ENTERING AND LEAVING THE HUB**  
**ON A FALL BUSINESS DAY (2012-2016)**

SECTOR AND FACILITY	2012			2013			2014			2015			2016		
	AM PEAK (3hrs)	PM PEAK (3hrs)	OFF * PEAK (18hrs)	AM PEAK (3hrs)	PM PEAK (3hrs)	OFF * PEAK (18hrs)	AM PEAK (3hrs)	PM PEAK (3hrs)	OFF * PEAK (18hrs)	AM PEAK (3hrs)	PM PEAK (3hrs)	OFF * PEAK (18hrs)	AM PEAK (3hrs)	PM PEAK (3hrs)	OFF * PEAK (18hrs)
<b>60TH STREET SECTOR</b>															
LEXINGTON AVE EXPRESS	65	58	484	69	64	491	69	64	491	58	54	452	67	63	478
LEXINGTON AVE LOCAL	50	53	461	56	51	465	56	51	465	53	47	437	54	46	439
EIGHTH AVE EXPRESS	47	47	475	49	46	470	47	46	462	49	48	479	46	46	472
EIGHTH AVE LOCAL	38	36	354	38	36	357	38	36	352	37	35	350	34	36	347
B'WAY/7TH AV EXPRESS	59	51	455	59	55	465	59	55	465	56	49	464	56	52	476
B'WAY/7TH AV LOCAL	42	39	382	44	40	397	44	40	397	41	38	349	42	40	387
AMTRAK/METRO-NORTH	121	105	385	123	108	404	121	109	414	121	108	413	121	108	413
<b>SECTOR TOTAL</b>	<b>422</b>	<b>389</b>	<b>2,996</b>	<b>438</b>	<b>400</b>	<b>3,049</b>	<b>434</b>	<b>401</b>	<b>3,046</b>	<b>415</b>	<b>379</b>	<b>2,944</b>	<b>420</b>	<b>391</b>	<b>3,012</b>
<b>BROOKLYN SECTOR</b>															
14TH STREET TUNNEL	46	42	388	48	42	386	48	42	394	48	42	388	48	22	390
WILLIAMSBURG BRIDGE	42	45	401	45	44	398	43	44	396	46	46	381	46	44	403
RUTGERS ST. TUNNEL	32	34	305	34	34	311	34	34	311	32	34	307	33	29	310
MANHATTAN BRIDGE	99	93	787	97	90	811	92	90	756	96	95	797	98	93	759
CRANBERRY ST. TUNNEL	58	54	416	57	54	417	54	54	412	58	53	412	51	55	412
CLARK ST. TUNNEL	48	46	463	50	48	469	50	48	469	47	45	429	48	47	479
MONTAGUE ST. TUNNEL	24	25	211	(1)	(1)	(1)	23	26	229	24	25	211	23	24	230
JORALEMON ST. TUNNEL	62	58	460	61	61	479	60	61	483	56	54	439	56	59	477
<b>SECTOR TOTAL</b>	<b>411</b>	<b>397</b>	<b>3,431</b>	<b>392</b>	<b>373</b>	<b>3,271</b>	<b>404</b>	<b>399</b>	<b>3,450</b>	<b>407</b>	<b>394</b>	<b>3,364</b>	<b>403</b>	<b>373</b>	<b>3,460</b>
<b>QUEENS SECTOR</b>															
60TH STREET TUNNEL	63	61	584	62	57	570	62	57	563	63	60	586	64	65	582
53RD STREET TUNNEL	62	61	493	62	60	494	61	59	487	61	60	471	60	58	500
STEINWAY ST. TUNNEL	69	60	458	68	78	444	71	63	473	65	60	476	67	59	479
63RD STREET TUNNEL	38	37	296	39	39	301	39	39	301	39	39	304	37	37	301
AMTRAK/LIRR TUNNEL	86	78	325	86	79	331	86	80	331	86	80	332	86	80	332
<b>SECTOR TOTAL</b>	<b>318</b>	<b>297</b>	<b>2,156</b>	<b>317</b>	<b>313</b>	<b>2,140</b>	<b>319</b>	<b>298</b>	<b>2,155</b>	<b>314</b>	<b>299</b>	<b>2,169</b>	<b>314</b>	<b>299</b>	<b>2,194</b>
<b>NEW JERSEY SECTOR</b>															
PATH DOWNTOWN TUNNEL	63	65	373	63	65	368	67	67	377	67	67	378	67	67	380
PATH UPTOWN TUNNEL	60	58	401	60	58	395	60	58	396	61	55	403	61	55	399
AMTRAK/NJ TRANSIT TUNNELS	66	59	318	62	59	318	62	60	319	62	60	317	62	60	333
<b>SECTOR TOTAL</b>	<b>189</b>	<b>182</b>	<b>1,092</b>	<b>185</b>	<b>182</b>	<b>1,081</b>	<b>189</b>	<b>185</b>	<b>1,092</b>	<b>190</b>	<b>182</b>	<b>1,098</b>	<b>190</b>	<b>182</b>	<b>1,112</b>
<b>GRAND TOTAL</b>	<b>1,340</b>	<b>1,265</b>	<b>9,675</b>	<b>1,332</b>	<b>1,268</b>	<b>9,541</b>	<b>1,346</b>	<b>1,283</b>	<b>9,743</b>	<b>1,326</b>	<b>1,254</b>	<b>9,575</b>	<b>1,327</b>	<b>1,245</b>	<b>9,778</b>
<b>SUBTOTAL, NYCT</b>	<b>944</b>	<b>900</b>	<b>7,873</b>	<b>938</b>	<b>899</b>	<b>7,725</b>	<b>950</b>	<b>909</b>	<b>7,906</b>	<b>929</b>	<b>884</b>	<b>7,732</b>	<b>930</b>	<b>875</b>	<b>7,921</b>

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

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

**TABLE 7**  
**NUMBER OF RAIL CARS ON SUBWAY AND COMMUTER RAIL TRAINS**  
**ENTERING AND LEAVING THE HUB**  
**ON A FALL BUSINESS DAY (2012-2016)**

SECTOR AND FACILITY	2012			2013			2014			2015			2016		
	AM PEAK (3hrs)	PM PEAK (3hrs)	OFF* PEAK (18hrs)	AM PEAK (3hrs)	PM PEAK (3hrs)	OFF* PEAK (18hrs)	AM PEAK (3hrs)	PM PEAK (3hrs)	OFF* PEAK (18hrs)	AM PEAK (3hrs)	PM PEAK (3hrs)	OFF* PEAK (18hrs)	AM PEAK (3hrs)	PM PEAK (3hrs)	OFF* PEAK (18hrs)
<b>60TH STREET SECTOR</b>															
LEXINGTON AVE EXPRESS	650	580	4,840	690	640	4,910	690	640	4,910	580	540	4,520	670	630	4,780
LEXINGTON AVE LOCAL	500	530	4,610	560	510	4,650	560	510	4,650	530	470	4,370	540	460	4,390
EIGHT AVE EXPRESS	376	376	3,800	392	368	3,760	376	368	3,696	392	384	3,832	368	368	3,776
EIGHT AVE LOCAL	304	288	2,832	304	288	2,856	304	288	2,816	296	280	2,800	272	288	2,776
B'WAY/7TH AV EXPRESS	590	510	4,550	590	550	4,650	590	550	4,650	560	490	4,640	560	520	4,760
B'WAY/7TH AV LOCAL	420	390	3,820	440	400	3,970	440	400	3,970	410	380	3,490	420	400	3,870
AMTRAK/METRO-NORTH	879	752	2,726	911	792	2,978	920	822	3,113	915	808	3,071	910	803	3,071
<b>SECTOR TOTAL</b>	<b>3,719</b>	<b>3,426</b>	<b>27,178</b>	<b>3,887</b>	<b>3,548</b>	<b>27,774</b>	<b>3,880</b>	<b>3,578</b>	<b>27,805</b>	<b>3,683</b>	<b>3,352</b>	<b>26,723</b>	<b>3,740</b>	<b>3,469</b>	<b>27,423</b>
<b>BROOKLYN SECTOR</b>															
14TH STREET TUNNEL	368	336	3,104	384	336	3,088	384	336	3,152	384	336	3,104	384	176	3,120
WILLIAMSBURG BRIDGE	336	360	3,208	360	352	3,184	344	352	3,168	368	368	3,048	368	352	3,224
RUTGERS ST. TUNNEL	320	340	3,050	340	340	3,110	340	340	3,110	320	340	3,070	330	290	3,100
MANHATTAN BRIDGE	892	838	7,124	872	810	7,362	826	810	6,824	862	856	7,212	882	838	6,852
CRANBERRY ST. TUNNEL	464	432	3,328	456	432	3,336	432	432	3,296	464	424	3,296	408	440	3,296
CLARK ST. TUNNEL	480	460	4,630	500	480	4,690	500	480	4,690	470	450	4,290	480	470	4,790
MONTAGUE ST. TUNNEL	192	200	1,732	(1)	(1)	(1)	184	208	1,918	192	200	1,728	184	192	1,922
JORALEMON ST. TUNNEL	620	580	4,600	610	610	4,790	600	610	4,830	560	540	4,390	560	590	4,770
<b>SECTOR TOTAL</b>	<b>3,672</b>	<b>3,546</b>	<b>30,776</b>	<b>3,522</b>	<b>3,360</b>	<b>29,560</b>	<b>3,610</b>	<b>3,568</b>	<b>30,988</b>	<b>3,620</b>	<b>3,514</b>	<b>30,138</b>	<b>3,596</b>	<b>3,348</b>	<b>31,074</b>
<b>QUEENS SECTOR</b>															
60TH STREET TUNNEL	582	564	5,450	576	528	5,330	576	528	5,262	584	552	5,474	592	600	5,438
53RD STREET TUNNEL	574	566	4,584	574	556	4,592	564	546	4,522	562	556	4,416	556	538	4,632
STEINWAY ST. TUNNEL	759	660	5,038	748	858	4,884	781	693	5,203	715	660	5,236	737	649	5,269
63RD STREET TUNNEL	380	370	2,960	390	390	3,010	390	390	3,010	390	390	3,040	370	370	3,010
AMTRAK/LIRR TUNNEL	860	808	3,282	859	817	3,350	863	823	3,376	861	821	3,381	864	822	3,401
<b>SECTOR TOTAL</b>	<b>3,155</b>	<b>2,968</b>	<b>21,314</b>	<b>3,147</b>	<b>3,149</b>	<b>21,166</b>	<b>3,174</b>	<b>2,980</b>	<b>21,373</b>	<b>3,112</b>	<b>2,979</b>	<b>21,547</b>	<b>3,119</b>	<b>2,979</b>	<b>21,750</b>
<b>NEW JERSEY SECTOR</b>															
PATH DOWNTOWN TUNNEL	504	520	2,984	504	520	2,944	510	510	2,857	536	536	3,024	536	536	3,040
PATH UPTOWN TUNNEL	420	406	2,807	420	406	2,765	420	406	2,758	427	385	2,821	427	385	2,793
AMTRAK/NJ TRANSIT TUNNELS	546	485	2,535	513	504	2,533	511	511	2,510	528	515	2,507	528	517	2,607
<b>SECTOR TOTAL</b>	<b>1,470</b>	<b>1,411</b>	<b>8,326</b>	<b>1,437</b>	<b>1,430</b>	<b>8,242</b>	<b>1,441</b>	<b>1,427</b>	<b>8,125</b>	<b>1,491</b>	<b>1,436</b>	<b>8,352</b>	<b>1,491</b>	<b>1,438</b>	<b>8,440</b>
<b>GRAND TOTAL</b>	<b>12,016</b>	<b>11,351</b>	<b>87,594</b>	<b>11,993</b>	<b>11,487</b>	<b>86,742</b>	<b>12,105</b>	<b>11,553</b>	<b>88,291</b>	<b>11,906</b>	<b>11,281</b>	<b>86,760</b>	<b>11,946</b>	<b>11,234</b>	<b>88,687</b>
<b>TOTAL, NYCTA</b>	<b>8,807</b>	<b>8,380</b>	<b>73,260</b>	<b>8,786</b>	<b>8,448</b>	<b>72,172</b>	<b>8,881</b>	<b>8,481</b>	<b>73,677</b>	<b>8,639</b>	<b>8,216</b>	<b>71,956</b>	<b>8,681</b>	<b>8,171</b>	<b>73,775</b>

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

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

**TABLE 8**  
**AVERAGE FLOOR SPACE PER PASSENGER (1)**  
**ENTERING THE HUB ON A FALL BUSINESS DAY,**  
**DURING 8AM-9AM PEAK HOUR (2006-2016)**  
**(in square feet)**

MODE / YEAR	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>60TH STREET SECTOR</b>											
SUBWAY-EXPRESS	5.3	4.8	4.5	5.3	4.9	5.7	5.1	4.5	4.4	4.0	3.9
SUBWAY-LOCAL	6.2	5.6	5.7	7.0	6.3	6.3	5.9	4.9	4.9	5.1	5.1
SUBURBAN RAIL	7.3	7.2	7.1	7.3	7.1	7.1	7.3	7.2	7.3	7.2	7.3
BUS	9.6	9.8	11.8	11.3	11.0	9.2	9.5	10.9	11.6	13.0	14.0
<b>SECTOR AVERAGE</b>	<b>6.4</b>	<b>5.7</b>	<b>5.6</b>	<b>6.5</b>	<b>5.9</b>	<b>6.3</b>	<b>6.0</b>	<b>5.3</b>	<b>5.4</b>	<b>5.2</b>	<b>5.2</b>
<b>BROOKLYN SECTOR</b>											
SUBWAY	7.1	5.6	5.6	5.4	5.5	5.7	5.6	5.2	5.3	5.3	5.2
BUS	7.6	7.8	8.8	8.5	7.2	7.8	8.0	8.6	9.3	8.9	9.0
<b>SECTOR AVERAGE</b>	<b>7.1</b>	<b>5.7</b>	<b>5.8</b>	<b>5.5</b>	<b>5.6</b>	<b>5.8</b>	<b>5.7</b>	<b>5.4</b>	<b>5.4</b>	<b>5.4</b>	<b>5.4</b>
<b>QUEENS SECTOR</b>											
SUBWAY	5.4	5.0	5.3	6.0	6.2	5.9	5.9	5.3	5.5	5.1	5.1
SUBURBAN RAIL	6.4	6.5	6.5	6.9	6.9	7.0	7.1	7.0	7.0	6.9	6.9
BUS	8.9	8.9	10.3	10.7	10.6	9.7	9.8	10.7	11.8	12.3	15.7
<b>SECTOR AVERAGE</b>	<b>6.2</b>	<b>5.5</b>	<b>5.8</b>	<b>6.4</b>	<b>6.5</b>	<b>6.3</b>	<b>6.3</b>	<b>6.0</b>	<b>6.1</b>	<b>5.8</b>	<b>5.8</b>
<b>NEW JERSEY SECTOR</b>											
SUBWAY	9.2	4.3	4.3	4.9	4.8	4.9	4.9	4.6	4.7	4.4	4.1
SUBURBAN RAIL	5.5	6.5	7.0	6.9	7.5	6.3	6.2	5.8	5.4	5.6	4.5
BUS	9.2	9.2	9.2	9.2	9.2	9.1	9.1	9.1	9.1	8.2	8.3
<b>SECTOR AVERAGE</b>	<b>8.3</b>	<b>6.9</b>	<b>7.0</b>	<b>7.3</b>	<b>7.3</b>	<b>7.0</b>	<b>7.0</b>	<b>6.8</b>	<b>6.6</b>	<b>6.3</b>	<b>5.8</b>
<b>STATEN ISLAND FERRY</b>	<b>13.3</b>	<b>17.7</b>	<b>12.8</b>	<b>12.7</b>	<b>12.8</b>	<b>14.9</b>	<b>13.7</b>	<b>13.7</b>	<b>14.5</b>	<b>12.7</b>	<b>14.6</b>
<b>ROOSEVELT ISLAND TRAMWAY (2)</b>	<b>4.7</b>	<b>4.1</b>	<b>4.2</b>	<b>4.3</b>	<b>(2)</b>	<b>4.1</b>	<b>3.0</b>	<b>2.6</b>	<b>3.5</b>	<b>3.1</b>	<b>2.7</b>
<b>ALL TRANSIT MODES</b>	<b>6.8</b>	<b>5.9</b>	<b>6.0</b>	<b>6.4</b>	<b>6.2</b>	<b>6.3</b>	<b>6.2</b>	<b>5.7</b>	<b>5.8</b>	<b>5.7</b>	<b>5.6</b>

(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 (2006-2016)**

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>BUS PASSENGERS</b>											
<b>EXPRESS BUS</b>											
NEW YORK CITY	54,809	50,990	52,911	43,841	46,857	48,281	46,764	48,062	45,889	43,118	41,745
WEST OF HUDSON	183,782	186,838	190,979	190,548	193,768	187,382	191,074	191,988	192,349	214,609	215,478
NORTH OF NYC	1,508	1,404	1,092	1,038	424	305	257	354	272	252	241
<b>TOTAL EXPRESS BUS</b>	<b>240,099</b>	<b>239,232</b>	<b>244,982</b>	<b>235,427</b>	<b>241,049</b>	<b>235,968</b>	<b>238,095</b>	<b>240,404</b>	<b>238,510</b>	<b>257,979</b>	<b>257,464</b>
<b>LOCAL BUS</b>	<b>43,909</b>	<b>51,664</b>	<b>39,102</b>	<b>38,339</b>	<b>27,614</b>	<b>27,138</b>	<b>29,809</b>	<b>27,832</b>	<b>24,161</b>	<b>20,975</b>	<b>21,229</b>
<b>TOTAL BUS PASSENGERS</b>	<b>284,008</b>	<b>290,896</b>	<b>284,084</b>	<b>273,766</b>	<b>268,663</b>	<b>263,106</b>	<b>267,904</b>	<b>268,236</b>	<b>262,671</b>	<b>278,954</b>	<b>278,693</b>
<b>NUMBER OF BUSES</b>											
<b>EXPRESS BUS</b>											
NEW YORK CITY	1,763	1,733	2,038	1,671	1,678	1,603	1,598	1,659	1,645	1,617	1,597
WEST OF HUDSON	7,388	7,529	7,627	7,687	7,838	7,664	7,654	7,588	7,698	7,728	7,754
NORTH OF NYC	89	84	104	92	34	26	12	12	12	12	11
<b>TOTAL EXPRESS BUS</b>	<b>9,240</b>	<b>9,346</b>	<b>9,769</b>	<b>9,450</b>	<b>9,550</b>	<b>9,293</b>	<b>9,264</b>	<b>9,259</b>	<b>9,355</b>	<b>9,357</b>	<b>9,362</b>
<b>LOCAL BUS</b>	<b>2,372</b>	<b>2,530</b>	<b>2,290</b>	<b>2,389</b>	<b>1,872</b>	<b>1,799</b>	<b>1,783</b>	<b>1,791</b>	<b>1,759</b>	<b>1,728</b>	<b>1,782</b>
<b>TOTAL BUSES</b>	<b>11,612</b>	<b>11,876</b>	<b>12,059</b>	<b>11,839</b>	<b>11,422</b>	<b>11,092</b>	<b>11,047</b>	<b>11,050</b>	<b>11,114</b>	<b>11,085</b>	<b>11,144</b>

**TABLE 10**  
**TOTAL PERSONS ENTERING AND LEAVING THE HUB BY AUTO, TAXI, VAN AND TRUCK**  
**ON A FALL BUSINESS DAY (2006-2016)**

VEHICLE OCCUPANTS / LOCATION	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>60<sup>TH</sup> STREET SECTOR</b>											
<b>EAST OF CENTRAL PARK</b>											
FDR DRIVE	200,428	200,860	188,080	191,120	195,320	189,231	196,913	195,423	191,309	187,021	192,664
YORK AVENUE	44,385	46,082	43,955	45,159	45,796	45,235	45,436	44,227	42,477	42,909	30,726
SECOND AND FIRST AVENUES	117,836	114,985	110,593	113,193	104,044	110,739	94,929	101,793	105,217	98,916	88,794
QUEENSBORO BRIDGE RAMP	45,768	41,472	39,265	42,088	43,470	45,194	42,625	40,162	39,033	39,984	42,738
LEXINGTON AND THIRD AVENUES	82,515	79,543	75,900	79,201	76,017	75,792	74,994	68,538	67,055	62,575	63,911
PARK AVENUE	67,079	63,508	60,417	59,752	61,661	63,233	58,884	58,915	56,929	52,978	49,594
FIFTH AND MADISON AVENUES	83,649	76,002	74,404	74,272	79,140	77,917	78,596	71,815	68,590	68,710	69,745
<b>SUBTOTAL</b>	<b>641,661</b>	<b>622,452</b>	<b>592,615</b>	<b>604,785</b>	<b>605,448</b>	<b>607,341</b>	<b>592,377</b>	<b>580,873</b>	<b>570,610</b>	<b>553,093</b>	<b>538,172</b>
<b>CENTRAL PARK DRIVES</b>	<b>42,780</b>	<b>14,926</b>	<b>13,622</b>	<b>13,036</b>	<b>13,302</b>	<b>12,988</b>	<b>12,699</b>	<b>11,438</b>	<b>10,285</b>	<b>11,501</b>	<b>7,971</b>
<b>WEST OF CENTRAL PARK</b>											
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
BROADWAY	42,123	42,415	41,369	38,068	42,609	43,877	42,753	41,352	39,691	38,746	35,562
COLUMBUS AND AMSTERDAM AVE.	66,209	65,804	65,823	67,047	65,337	71,203	62,423	62,331	52,454	55,872	52,190
WEST END AVENUE	36,469	36,700	35,457	35,592	34,991	36,227	35,970	34,582	33,035	32,513	29,814
WEST SIDE HIGHWAY	148,250	141,300	131,664	133,185	134,233	127,418	126,406	127,869	130,798	130,334	132,990
<b>SUBTOTAL</b>	<b>293,051</b>	<b>312,353</b>	<b>299,775</b>	<b>299,202</b>	<b>304,311</b>	<b>306,442</b>	<b>293,267</b>	<b>292,043</b>	<b>280,619</b>	<b>282,046</b>	<b>273,392</b>
<b>SECTOR TOTAL</b>	<b>977,492</b>	<b>949,731</b>	<b>906,012</b>	<b>917,023</b>	<b>923,061</b>	<b>926,771</b>	<b>898,343</b>	<b>884,354</b>	<b>861,514</b>	<b>846,640</b>	<b>819,535</b>
<b>BROOKLYN SECTOR</b>											
WILLIAMSBURG BRIDGE	135,449	139,723	134,976	136,911	140,873	131,280	142,822	146,517	141,418	133,361	133,941
MANHATTAN BRIDGE	101,481	99,788	96,103	98,074	101,963	116,178	121,500	118,250	113,982	118,636	115,102
BROOKLYN BRIDGE	160,187	165,751	156,084	157,799	156,005	133,844	126,798	129,723	126,865	129,227	133,399
HUGH L. CAREY TUNNEL	64,039	63,068	49,293	57,879	62,142	57,484	61,069	61,362	61,509	64,050	65,036
<b>SECTOR TOTAL</b>	<b>461,156</b>	<b>468,330</b>	<b>436,456</b>	<b>450,663</b>	<b>460,983</b>	<b>438,786</b>	<b>452,189</b>	<b>455,852</b>	<b>443,774</b>	<b>445,274</b>	<b>447,478</b>
<b>QUEENS SECTOR</b>											
QUEENS MIDTOWN TUNNEL	128,849	126,458	120,133	123,794	126,930	125,129	131,390	127,136	122,316	127,551	108,118
ED KOCH QUEENSBORO BRIDGE	225,090	219,237	213,179	217,752	215,219	221,920	215,734	207,920	211,164	211,117	206,019
<b>SECTOR TOTAL</b>	<b>353,939</b>	<b>345,696</b>	<b>333,312</b>	<b>341,546</b>	<b>342,149</b>	<b>347,049</b>	<b>347,124</b>	<b>335,056</b>	<b>333,480</b>	<b>338,668</b>	<b>314,137</b>
<b>NEW JERSEY SECTOR</b>											
HOLLAND TUNNEL	116,648	119,016	110,113	109,834	117,204	105,854	110,387	105,697	102,579	106,165	104,959
LINCOLN TUNNEL	158,284	151,391	136,940	117,907	137,517	124,271	139,893	133,508	132,058	142,484	134,184
<b>SECTOR TOTAL</b>	<b>274,932</b>	<b>270,407</b>	<b>247,053</b>	<b>227,741</b>	<b>254,721</b>	<b>230,125</b>	<b>250,280</b>	<b>239,205</b>	<b>234,637</b>	<b>248,649</b>	<b>239,143</b>
<b>STATEN ISLAND FERRY **</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL, ALL FACILITIES</b>	<b>2,067,518</b>	<b>2,034,163</b>	<b>1,922,833</b>	<b>1,936,973</b>	<b>1,980,914</b>	<b>1,942,731</b>	<b>1,947,936</b>	<b>1,914,467</b>	<b>1,873,405</b>	<b>1,879,231</b>	<b>1,820,293</b>

\* 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.

\*\* After 2000, cars were no longer permitted on the Staten Island Ferry.

**TABLE 11**  
**MOTOR VEHICLES (AUTOS, TAXIS, VANS, & TRUCKS)**  
**ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY (2006-2016)**

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>EAST OF CENTRAL PARK</b>											
FDR DRIVE	153,542	154,252	144,425	146,660	149,789	145,149	151,111	150,087	146,976	143,495	147,824
YORK AVENUE	34,570	36,268	34,560	35,473	35,883	35,656	35,819	34,276	32,708	32,940	24,429
SECOND AND FIRST AVENUES	89,217	86,933	83,584	85,394	77,900	83,584	72,127	76,723	79,161	74,267	66,341
QUEENSBORO BRIDGE RAMP	37,970	34,439	32,645	34,937	36,093	37,528	35,409	33,357	32,367	33,149	35,408
LEXINGTON AND THIRD AVENUES	61,263	59,311	56,583	59,010	56,808	56,719	56,261	51,562	50,375	47,037	47,866
PARK AVENUE	46,594	44,024	41,905	41,377	42,723	43,697	40,721	40,735	39,370	36,517	34,334
FIFTH AND MADISON AVENUES	55,420	50,399	49,350	49,192	52,390	51,638	52,204	47,542	45,444	45,569	46,251
<b>SUBTOTAL</b>	<b>478,576</b>	<b>465,626</b>	<b>443,052</b>	<b>452,043</b>	<b>451,586</b>	<b>453,971</b>	<b>443,652</b>	<b>434,282</b>	<b>426,401</b>	<b>412,974</b>	<b>402,453</b>
<b>CENTRAL PARK DRIVES</b>	<b>9,445</b>	<b>8,156</b>	<b>7,420</b>	<b>7,301</b>	<b>7,417</b>	<b>7,248</b>	<b>6,946</b>	<b>6,376</b>	<b>5,750</b>	<b>6,399</b>	<b>4,452</b>
<b>WEST OF CENTRAL PARK</b>											
CENTRAL PARK WEST	14,440	14,774	14,371	14,302	15,330	15,660	14,517	14,608	13,915	13,839	12,926
BROADWAY	31,391	31,624	30,800	28,462	31,795	32,706	31,885	30,847	29,600	28,927	26,550
COLUMBUS AND AMSTERDAM AVES.	50,080	49,800	49,822	50,707	49,447	53,847	47,261	47,098	39,700	42,229	39,487
WEST END AVENUE	25,348	25,514	24,644	24,750	24,337	25,203	25,009	24,056	22,980	22,611	20,725
WEST SIDE HIGHWAY	129,311	123,231	114,848	116,285	117,143	111,227	110,341	111,560	114,186	113,753	116,126
<b>SUBTOTAL</b>	<b>250,570</b>	<b>244,943</b>	<b>234,485</b>	<b>234,506</b>	<b>238,052</b>	<b>238,643</b>	<b>229,013</b>	<b>228,169</b>	<b>220,381</b>	<b>221,359</b>	<b>215,814</b>
<b>SECTOR TOTAL</b>	<b>738,591</b>	<b>718,725</b>	<b>684,957</b>	<b>693,850</b>	<b>697,055</b>	<b>699,862</b>	<b>679,611</b>	<b>668,827</b>	<b>652,532</b>	<b>640,732</b>	<b>622,719</b>
<b>BROOKLYN SECTOR</b>											
WILLIAMSBURG BRIDGE	106,869	110,412	106,647	108,077	111,189	103,590	112,696	115,618	111,575	105,154	105,590
MANHATTAN BRIDGE	74,554	73,139	70,276	71,872	74,777	85,392	89,087	87,375	84,048	87,046	85,084
BROOKLYN BRIDGE	126,805	131,551	123,781	125,021	123,640	105,820	100,288	102,542	99,986	102,219	105,679
HUGH L. CAREY TUNNEL	55,840	54,989	43,010	50,440	54,097	49,967	53,067	53,389	53,532	55,734	56,545
<b>SECTOR TOTAL</b>	<b>364,068</b>	<b>370,091</b>	<b>343,714</b>	<b>355,410</b>	<b>363,703</b>	<b>344,769</b>	<b>355,138</b>	<b>358,924</b>	<b>349,141</b>	<b>350,153</b>	<b>352,898</b>
<b>QUEENS SECTOR</b>											
QUEENS MIDTOWN TUNNEL	89,435	87,792	83,481	85,704	88,231	86,730	90,992	87,985	84,628	88,573	74,883
ED KOCH QUEENSBORO BRIDGE	185,199	180,326	175,299	179,125	176,903	182,611	177,455	170,807	173,508	173,776	169,586
<b>SECTOR TOTAL</b>	<b>274,634</b>	<b>268,118</b>	<b>258,780</b>	<b>264,829</b>	<b>265,134</b>	<b>269,341</b>	<b>268,447</b>	<b>258,792</b>	<b>258,136</b>	<b>262,349</b>	<b>244,469</b>
<b>NEW JERSEY SECTOR</b>											
HOLLAND TUNNEL	97,146	99,146	91,186	91,508	97,658	88,186	91,957	88,015	85,467	88,457	87,481
LINCOLN TUNNEL	114,363	109,434	99,043	85,462	99,538	90,020	101,235	96,595	95,662	103,110	97,020
<b>SECTOR TOTAL</b>	<b>211,509</b>	<b>208,580</b>	<b>190,228</b>	<b>176,970</b>	<b>197,196</b>	<b>178,206</b>	<b>193,192</b>	<b>184,610</b>	<b>181,129</b>	<b>191,567</b>	<b>184,501</b>
<b>TOTAL, ALL FACILITIES</b>	<b>1,588,802</b>	<b>1,565,514</b>	<b>1,477,679</b>	<b>1,491,059</b>	<b>1,523,088</b>	<b>1,492,178</b>	<b>1,496,388</b>	<b>1,471,153</b>	<b>1,440,938</b>	<b>1,444,801</b>	<b>1,404,587</b>



**TABLE 12**  
**REVERSE TRAVEL FROM THE HUB DURING AM PEAK PERIOD (7AM - 10AM)**  
**ON A FALL BUSINESS DAY (2010-2016), BY MODE AND BY SECTOR**

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

(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		
	2013	2014	2015	2016	2014/ 2013	2015/ 2014	2016/ 2015
<b>CONNECTICUT REGION</b>							
3 COUNTIES	1,992	1,992	1,991	1,984	0.0%	-0.1%	-0.4%
<b>NEW JERSEY</b>							
9 COUNTIES	5,732	5,758	5,780	5,773	0.5%	0.4%	-0.1%
<b>NEW YORK STATE</b>							
MANHATTAN CBD*	598	600	603	620	0.3%	0.5%	2.8%
NYC REMAINDER	7,840	7,891	7,947	7,918	0.7%	0.7%	-0.4%
7 SUBURBAN COUNTIES	4,920	4,931	4,938	4,928	0.2%	0.1%	-0.2%
<b>TOTAL</b>	<b>13,358</b>	<b>13,422</b>	<b>13,488</b>	<b>13,466</b>	<b>0.5%</b>	<b>0.5%</b>	<b>-0.2%</b>
<b>TOTAL REGION</b>	<b>21,082</b>	<b>21,172</b>	<b>21,259</b>	<b>21,223</b>	<b>0.4%</b>	<b>0.4%</b>	<b>-0.2%</b>

\* NYMTC estimate.

- 2013-2016 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		
	2013	2014	2015 **	2016	2014/ 2013	2015/ 2014 **	2016/ 2015 **
<b>CONNECTICUT REGION</b>							
3 COUNTIES	832	839	844	847	0.8%	0.6%	0.4%
<b>NEW JERSEY</b>							
9 COUNTIES	2,466	2,481	2,515	2,555	0.6%	1.4%	1.6%
<b>NEW YORK STATE</b>							
MANHATTAN CBD *	1,928	1,943	1,954	1,970	0.8%	0.6%	0.8%
NYC REMAINDER	1,913	2,024	2,128	2,196	5.8%	5.1%	3.2%
7 SUBURBAN COUNTIES	2,015	2,039	2,066	2,093	1.2%	1.3%	1.3%
<b>TOTAL</b>	<b>5,856</b>	<b>6,006</b>	<b>6,148</b>	<b>6,259</b>	<b>2.6%</b>	<b>2.4%</b>	<b>1.8%</b>
<b>REGION TOTAL</b>	<b>9,154</b>	<b>9,326</b>	<b>9,507</b>	<b>9,661</b>	<b>1.9%</b>	<b>1.9%</b>	<b>1.6%</b>

\* NYMTC estimate.      \*\* Revised

- 2013-2016 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.

## **Appendix II**

### **Summary Tables - 2016**

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**TABLE 14 A**  
**WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2016**  
**MORNING PEAK HOUR (8-9 AM)**

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN RAIL	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	8-9 AM	8-9 AM	8-9 AM	8-9 AM	8-9 AM	8-9 AM
<b>60TH STREET SECTOR</b>											
Franklin D. Roosevelt Drive	6,819	-	-	-	-	-	-	-	-	-	6,819
York Avenue	660	-	-	-	282	-	-	-	-	282	942
First Avenue	-	-	-	-	-	-	-	-	6	6	6
Second Avenue	2,306	-	-	751	228	-	-	-	370	1,349	3,655
Third Avenue	-	-	-	-	-	-	-	-	1	1	1
Lexington Avenue- IRT	1,471	28,230	21,033	108	476	-	-	-	58	49,905	51,376
Park Ave	1,628	-	-	-	-	34,516	-	-	55	34,571	36,199
Madison Avenue	-	-	-	-	-	-	-	-	2	2	2
Fifth Avenue	2,186	-	-	571	942	-	-	-	138	1,651	3,837
Sixth Avenue	-	-	-	-	-	-	-	-	-	-	-
Seventh Avenue	987	-	-	-	-	-	-	-	99	99	1,086
Broadway	1,292	28,427	13,424	45	306	-	-	-	175	42,377	43,669
Eight Ave	-	23,246	12,614	-	-	-	-	-	9	35,869	35,869
Columbus Avenue	1,113	-	-	-	95	-	-	-	164	259	1,372
Amsterdam Avenue	-	-	-	-	-	-	-	-	3	3	3
West End Avenue	833	-	-	-	131	-	-	-	17	148	981
West Side Highway	4,713	-	-	-	-	176	-	-	1	177	4,890
Hudson River Greenway	-	-	-	-	-	-	-	-	620	620	620
Queensboro Bridge Ramp	-	-	-	-	-	-	-	-	-	-	-
All Ferry Points	-	-	-	-	-	-	-	-	-	-	-
<b>SECTOR TOTAL</b>	<b>24,008</b>	<b>79,903</b>	<b>47,071</b>	<b>1,475</b>	<b>2,460</b>	<b>34,692</b>	<b>-</b>	<b>-</b>	<b>1,718</b>	<b>167,319</b>	<b>191,327</b>
<b>BROOKLYN SECTOR</b>											
Fourteenth St. Tunnel-BMT	-	-	23,987	-	-	-	-	-	-	23,987	23,987
Williamsburg Bridge-BMT	3,092	-	16,657	-	18	-	-	-	667	17,342	20,434
Rutgers Tunnel-IND	-	-	14,280	-	-	-	-	-	-	14,280	14,280
Manhattan Bridge-BMT	3,415	18,231	25,319	-	-	-	-	-	438	43,988	47,403
Brooklyn Bridge	4,058	-	-	-	-	-	-	-	306	4,364	4,364
Cranberry Tunnel-IND	-	-	21,721	-	-	-	-	-	-	21,721	21,721
Clark Tunnel-IRT	-	-	13,536	-	-	-	-	-	-	13,536	13,536
Montague Tunnel-BMT	-	-	5,595	-	-	-	-	-	-	5,595	5,595
Joralemon Tunnel-IRT	-	-	16,504	-	-	-	-	-	-	16,504	16,504
Hugh L. Carey Tunnel	3,389	-	-	5,538	-	-	-	-	-	5,538	8,927
All Ferry Points	-	-	-	-	-	-	-	-	-	-	-
<b>SECTOR TOTAL</b>	<b>13,954</b>	<b>18,231</b>	<b>137,599</b>	<b>5,538</b>	<b>18</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,411</b>	<b>162,797</b>	<b>176,751</b>
<b>QUEENS SECTOR</b>											
Sixty-Third St. Tunnel	-	-	17,816	-	-	-	-	-	-	17,816	17,816
Sixtieth St. Tunnel-BMT/IND	-	-	29,005	-	-	-	-	-	-	29,005	29,005
Ed Koch Queensboro Bridge - Tramway	5,904	-	-	-	164	-	-	756	424	1,344	7,248
Fifty-Third St. Tunnel-IND	-	-	22,491	-	-	-	-	-	-	22,491	22,491
Steinway Tunnel-IRT	-	-	20,895	-	-	-	-	-	-	20,895	20,895
Queens Midtown Tunnel-IRT	4,391	-	-	2,559	-	-	-	-	-	2,559	6,950
Amtrak/LIRR Tunnels	-	-	-	-	-	34,099	-	-	-	34,099	34,099
All Ferry Points	-	-	-	-	-	-	-	-	-	-	-
<b>SECTOR TOTAL</b>	<b>10,295</b>	<b>-</b>	<b>90,207</b>	<b>2,559</b>	<b>164</b>	<b>34,099</b>	<b>-</b>	<b>756</b>	<b>424</b>	<b>128,209</b>	<b>138,504</b>
<b>NEW JERSEY SECTOR</b>											
Lincoln Tunnel	3,595	-	-	36,131	-	-	-	-	-	36,131	39,726
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	29,942	-	-	-	29,942	29,942
Uptown Path Tunnel	-	-	17,061	-	-	-	-	-	-	17,061	17,061
Holland Tunnel	3,105	-	-	2,919	-	-	-	-	-	2,919	6,024
Downtown Path Tunnel	-	-	15,936	-	-	-	-	-	-	15,936	15,936
All Ferry Points	-	-	-	-	-	-	5,128	-	-	5,128	5,128
<b>SECTOR TOTAL</b>	<b>6,700</b>	<b>-</b>	<b>32,997</b>	<b>39,050</b>	<b>-</b>	<b>29,942</b>	<b>5,128</b>	<b>-</b>	<b>-</b>	<b>107,117</b>	<b>113,817</b>
STATEN ISLAND FERRY, BICYCLE	-	-	-	-	-	-	5,418	-	61	5,479	5,479
<b>TOTAL, ALL SECTORS</b>	<b>54,957</b>	<b>98,134</b>	<b>307,874</b>	<b>48,622</b>	<b>2,642</b>	<b>98,733</b>	<b>10,546</b>	<b>756</b>	<b>3,614</b>	<b>570,921</b>	<b>625,878</b>

**TABLE 14 B**  
**WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2016**  
**MORNING PEAK PERIOD (7-10 AM)**

LOCATION / TRAVEL MODE	AUTOS, TAXIS,	SUBWAY	SUBWAY	BUS	BUS	SUBURBAN	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS	TOTAL PERSONS
	VANS & TRUCKS	EXPRESS	LOCAL	EXPRESS	LOCAL	RAIL				(PUBLIC TRANSPORTATION & BICYCLE)	(ALL MODES)
	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM
<b>60TH STREET SECTOR</b>											
Franklin D. Roosevelt Drive	20,004	-	-	-	-	-	-	-	-	-	20,004
York Avenue	1,913	-	-	-	598	-	-	-	-	598	2,511
First Avenue	-	-	-	-	-	-	-	-	22	22	-
Second Avenue	6,876	-	-	1,620	503	-	-	-	808	2,931	9,807
Third Avenue	-	-	-	-	-	-	-	-	2	2	-
Lexington Avenue- IRT	4,189	65,889	50,430	333	1,097	-	-	-	167	117,916	122,105
Park Ave	4,359	-	-	-	-	70,014	-	-	136	70,150	74,509
Madison Avenue	-	-	-	-	-	-	-	-	5	5	-
Fifth Avenue	6,540	-	-	2,469	1,731	-	-	-	347	4,547	11,087
Sixth Avenue	-	-	-	-	-	-	-	-	1	1	-
Seventh Avenue	1,987	-	-	-	-	-	-	-	254	254	2,241
Broadway	3,571	59,563	31,963	138	892	-	-	-	359	92,915	96,486
Eight Ave	-	52,411	24,842	-	-	-	-	-	19	77,272	77,272
Columbus Avenue	3,622	-	-	-	242	-	-	-	384	626	4,248
Amsterdam Avenue	-	-	-	-	-	-	-	-	6	6	-
West End Avenue	2,491	-	-	-	315	-	-	-	72	387	2,878
West Side Highway	14,109	-	-	-	-	488	-	-	2	490	14,599
Hudson River Greenway	-	-	-	-	-	-	-	-	1,426	1,426	1,426
Queensboro Bridge Ramp	-	-	-	-	-	-	-	-	-	-	-
All Ferry Points	-	-	-	-	-	-	-	-	-	-	-
<b>SECTOR TOTAL</b>	<b>69,661</b>	<b>177,863</b>	<b>107,235</b>	<b>4,560</b>	<b>5,378</b>	<b>70,502</b>	<b>-</b>	<b>-</b>	<b>4,010</b>	<b>369,548</b>	<b>439,209</b>
<b>BROOKLYN SECTOR</b>											
Fourteenth St. Tunnel-BMT	-	-	55,306	-	-	-	-	-	-	55,306	55,306
Williamsburg Bridge-BMT	9,053	-	37,464	-	42	-	-	-	1,614	39,120	48,173
Rutgers Tunnel-IND	-	-	29,634	-	-	-	-	-	-	29,634	29,634
Manhattan Bridge-BMT	10,706	40,707	55,913	-	-	-	-	-	1,039	97,659	108,365
Brooklyn Bridge	11,161	-	-	-	-	-	-	-	691	11,852	11,852
Cranberry Tunnel-IND	-	-	50,100	-	-	-	-	-	-	50,100	50,100
Clark Tunnel-IRT	-	-	32,438	-	-	-	-	-	-	32,438	32,438
Montague Tunnel-BMT	-	-	12,289	-	-	-	-	-	-	12,289	12,289
Joralemon Tunnel-IRT	-	-	38,199	-	-	-	-	-	-	38,199	38,199
Hugh L. Carey Tunnel	8,872	-	-	13,260	-	-	-	-	-	13,260	22,132
All Ferry Points	-	-	-	-	-	-	-	-	-	-	-
<b>SECTOR TOTAL</b>	<b>39,792</b>	<b>40,707</b>	<b>311,343</b>	<b>13,260</b>	<b>42</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,344</b>	<b>368,696</b>	<b>408,488</b>
<b>QUEENS SECTOR</b>											
Sixty-Third St. Tunnel	-	-	41,859	-	-	-	-	-	-	41,859	41,859
Sixtieth St. Tunnel-BMT/IND	-	-	65,803	-	-	-	-	-	-	65,803	65,803
Ed Koch Queensboro Bridge - Tramway	17,750	-	-	-	330	-	-	1,637	1,040	3,007	20,757
Fifty-Third St. Tunnel-IND	-	-	56,519	-	-	-	-	-	-	56,519	56,519
Steinway Tunnel-IRT	-	-	49,361	-	-	-	-	-	-	49,361	49,361
Queens Midtown Tunnel-IRT	11,922	-	-	6,983	-	-	-	-	-	6,983	18,905
Amtrak/LIRR Tunnels	-	-	-	-	-	72,680	-	-	-	72,680	72,680
All Ferry Points	-	-	-	-	-	-	-	-	-	-	-
<b>SECTOR TOTAL</b>	<b>29,672</b>	<b>-</b>	<b>213,542</b>	<b>6,983</b>	<b>330</b>	<b>72,680</b>	<b>-</b>	<b>1,637</b>	<b>1,040</b>	<b>296,212</b>	<b>325,884</b>
<b>NEW JERSEY SECTOR</b>											
Lincoln Tunnel	11,292	-	-	91,160	-	-	-	-	-	91,160	102,452
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	60,105	-	-	-	60,105	60,105
Uptown Path Tunnel	-	-	35,153	-	-	-	-	-	-	35,153	35,153
Holland Tunnel	9,140	-	-	7,152	-	-	-	-	-	7,152	16,292
Downtown Path Tunnel	-	-	34,890	-	-	-	-	-	-	34,890	34,890
All Ferry Points	-	-	-	-	-	-	10,588	-	-	10,588	10,588
<b>SECTOR TOTAL</b>	<b>20,432</b>	<b>-</b>	<b>70,043</b>	<b>98,312</b>	<b>-</b>	<b>60,105</b>	<b>10,588</b>	<b>-</b>	<b>-</b>	<b>239,048</b>	<b>259,480</b>
STATEN ISLAND FERRY, BICYCLE	-	-	-	-	-	-	14,841	-	137	14,978	14,978
<b>TOTAL, ALL SECTORS</b>	<b>159,557</b>	<b>218,570</b>	<b>702,163</b>	<b>123,115</b>	<b>5,750</b>	<b>203,287</b>	<b>25,429</b>	<b>1,637</b>	<b>8,531</b>	<b>1,288,482</b>	<b>1,448,039</b>

**TABLE 14 C**  
**WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL BUSINESS DAY IN 2016**  
**24 HOUR**

LOCATION / TRAVEL MODE	AUTOS, TAXIS,	SUBWAY	SUBWAY	BUS	BUS	SUBURBAN	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS	TOTAL PERSONS
	VANS & TRUCKS	EXPRESS	LOCAL	EXPRESS	LOCAL	RAIL				(PUBLIC TRANSPORTATION & BICYCLE)	(ALL MODES)
	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
<b>60TH STREET SECTOR</b>											
Franklin D. Roosevelt Drive	111,939	-	-	-	-	-	-	-	-	-	111,939
York Avenue	16,424	-	-	-	2,370	-	-	-	-	2,370	18,794
First Avenue	-	-	-	-	-	-	-	-	76	76	76
Second Avenue	59,361	-	-	4,630	2,230	-	-	-	3,750	10,610	69,971
Third Avenue	-	-	-	-	-	-	-	-	65	65	65
Lexington Avenue- IRT	26,318	187,496	161,600	773	3,929	-	-	-	1,483	355,281	381,599
Park Ave	23,747	-	-	-	-	109,131	-	-	979	110,110	133,857
Madison Avenue	-	-	-	-	-	-	-	-	41	41	41
Fifth Avenue	37,739	-	-	5,502	5,665	-	-	-	2,231	13,398	51,137
Sixth Avenue	-	-	-	-	-	-	-	-	120	120	120
Seventh Avenue	2,044	-	-	-	-	-	-	-	1,753	1,753	3,797
Broadway	20,208	164,705	114,290	328	3,409	-	-	-	1,411	284,143	304,351
Eight Ave	-	138,962	77,176	-	-	-	-	-	206	216,344	216,344
Columbus Avenue	26,050	-	-	-	1,091	-	-	-	3,024	4,115	30,165
Amsterdam Avenue	-	-	-	-	-	-	-	-	115	115	115
West End Avenue	16,721	-	-	-	1,017	-	-	-	526	1,543	18,264
West Side Highway	71,844	-	-	-	-	2,056	-	-	28	2,084	73,928
Hudson River Greenway	-	-	-	-	-	-	-	-	4,156	4,156	4,156
Queensboro Bridge Ramp	-	-	-	-	-	-	-	-	-	-	-
All Ferry Points	-	-	-	-	-	-	-	-	-	-	-
<b>SECTOR TOTAL</b>	<b>412,395</b>	<b>491,163</b>	<b>353,066</b>	<b>11,233</b>	<b>19,711</b>	<b>111,187</b>	<b>-</b>	<b>-</b>	<b>19,964</b>	<b>1,006,324</b>	<b>1,418,719</b>
<b>BROOKLYN SECTOR</b>											
Fourteenth St. Tunnel-BMT	-	-	127,712	-	-	-	-	-	-	127,712	127,712
Williamsburg Bridge-BMT	63,151	-	84,411	-	109	-	-	-	4,059	88,579	151,730
Rutgers Tunnel-IND	-	-	78,501	-	-	-	-	-	-	78,501	78,501
Manhattan Bridge-BMT	56,399	86,664	124,661	-	-	-	-	-	3,100	214,425	270,824
Brooklyn Bridge	61,909	-	-	-	-	-	-	-	1,674	1,674	63,583
Cranberry Tunnel-IND	-	-	126,884	-	-	-	-	-	-	126,884	126,884
Clark Tunnel-IRT	-	-	79,034	-	-	-	-	-	-	79,034	79,034
Montague Tunnel-BMT	-	-	25,995	-	-	-	-	-	-	25,995	25,995
Joralemon Tunnel-IRT	-	-	99,785	-	-	-	-	-	-	99,785	99,785
Hugh L. Carey Tunnel	33,734	-	-	21,816	-	-	-	-	-	21,816	55,550
All Ferry Points	-	-	-	-	-	-	566	-	-	566	566
<b>SECTOR TOTAL</b>	<b>215,193</b>	<b>86,664</b>	<b>746,983</b>	<b>21,816</b>	<b>109</b>	<b>-</b>	<b>566</b>	<b>-</b>	<b>8,833</b>	<b>864,971</b>	<b>1,080,164</b>
<b>QUEENS SECTOR</b>											
Sixty-Third St. Tunnel	-	-	98,036	-	-	-	-	-	-	98,036	98,036
Sixtieth St. Tunnel-BMT/IND	-	-	148,387	-	-	-	-	-	-	148,387	148,387
Ed Koch Queensboro Bridge - Tramway	103,224	-	-	-	1,409	-	-	4,521	2,841	8,771	111,995
Fifty-Third St. Tunnel-IND	-	-	132,879	-	-	-	-	-	-	132,879	132,879
Steinway Tunnel-IRT	-	-	113,400	-	-	-	-	-	-	113,400	113,400
Queens Midtown Tunnel-IRT	53,537	-	-	8,937	-	-	-	-	-	8,937	62,474
Amtrak/LIRR Tunnels	-	-	-	-	-	122,016	-	-	-	122,016	122,016
All Ferry Points	-	-	-	-	-	-	-	-	-	-	-
<b>SECTOR TOTAL</b>	<b>156,761</b>	<b>-</b>	<b>492,702</b>	<b>8,937</b>	<b>1,409</b>	<b>122,016</b>	<b>-</b>	<b>4,521</b>	<b>2,841</b>	<b>632,426</b>	<b>789,187</b>
<b>NEW JERSEY SECTOR</b>											
Lincoln Tunnel	62,172	-	-	198,395	-	-	-	-	-	198,395	260,567
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	105,413	-	-	-	105,413	105,413
Uptown Path Tunnel	-	-	66,368	-	-	-	-	-	-	66,368	66,368
Holland Tunnel	50,718	-	-	17,083	-	-	-	-	-	17,083	67,801
Downtown Path Tunnel	-	-	62,454	-	-	-	-	-	-	62,454	62,454
All Ferry Points	-	-	-	-	-	-	18,264	-	-	18,264	18,264
<b>SECTOR TOTAL</b>	<b>112,890</b>	<b>-</b>	<b>128,822</b>	<b>215,478</b>	<b>-</b>	<b>105,413</b>	<b>18,264</b>	<b>-</b>	<b>-</b>	<b>467,977</b>	<b>580,867</b>
STATEN ISLAND FERRY, BICYCLE	-	-	-	-	-	-	40,711	-	350	41,061	41,061
<b>TOTAL, ALL SECTORS</b>	<b>897,239</b>	<b>577,827</b>	<b>1,721,573</b>	<b>257,464</b>	<b>21,229</b>	<b>338,616</b>	<b>59,541</b>	<b>4,521</b>	<b>31,988</b>	<b>3,012,759</b>	<b>3,909,998</b>



**TABLE 15 A**  
**WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2016**  
**EVENING PEAK HOUR (5-6 PM)**

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN RAIL	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS (PUBLIC TRANSPORTATION & BICYCLE)	TOTAL PERSONS (ALL MODES)
	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM
<b>60TH STREET SECTOR</b>											
Franklin D. Roosevelt Drive	4,124	-	-	-	-	-	-	-	-	-	4,124
York Avenue	908	-	-	-	139	-	-	-	-	139	1,047
First Avenue	1,727	-	-	758	200	-	-	-	419	1,377	3,104
Second Avenue	-	-	-	-	-	-	-	-	16	16	16
Third Avenue	1,885	-	-	45	471	-	-	-	142	658	2,543
Lexington Avenue- IRT	-	27,847	13,183	-	-	-	-	-	1	41,031	41,031
Park Ave	1,730	-	-	-	-	27,082	-	-	82	27,164	28,894
Madison Avenue	1,693	-	-	1,263	1,027	-	-	-	176	2,466	4,159
Fifth Avenue	-	-	-	-	-	-	-	-	1	1	1
Sixth Avenue	761	-	-	-	-	-	-	-	250	250	1,011
Seventh Avenue	-	-	-	-	-	-	-	-	-	-	-
Broadway	859	18,066	10,705	39	466	-	-	-	6	29,282	30,141
Eight Ave	1,146	16,030	8,267	-	76	-	-	-	195	24,568	25,714
Columbus Avenue	-	-	-	-	-	-	-	-	2	2	2
Amsterdam Avenue	1,797	-	-	-	148	-	-	-	65	213	2,010
West End Avenue	1,262	-	-	-	99	-	-	-	27	126	1,388
West Side Highway	3,100	-	-	-	-	204	-	-	20	224	3,324
Hudson River Greenway	-	-	-	-	-	-	-	-	539	539	539
Queensboro Bridge Ramp	2,243	-	-	-	-	-	-	-	-	-	2,243
All Ferry Points	-	-	-	-	-	-	-	-	-	-	-
<b>SECTOR TOTAL</b>	<b>23,235</b>	<b>61,943</b>	<b>32,155</b>	<b>2,105</b>	<b>2,626</b>	<b>27,286</b>	<b>-</b>	<b>-</b>	<b>1,941</b>	<b>128,056</b>	<b>151,291</b>
<b>BROOKLYN SECTOR</b>											
Fourteenth St. Tunnel-BMT	-	-	11,943	-	-	-	-	-	-	11,943	11,943
Williamsburg Bridge-BMT	4,023	-	12,798	-	14	-	-	-	394	13,206	17,229
Rutgers Tunnel-IND	-	-	9,304	-	-	-	-	-	-	9,304	9,304
Manhattan Bridge-BMT	3,446	14,350	15,717	-	-	-	-	-	306	30,373	33,819
Brooklyn Bridge	3,408	-	-	-	-	-	-	-	230	230	3,638
Cranberry Tunnel-IND	-	-	17,545	-	-	-	-	-	-	17,545	17,545
Clark Tunnel-IRT	-	-	9,114	-	-	-	-	-	-	9,114	9,114
Montague Tunnel-BMT	-	-	5,751	-	-	-	-	-	-	5,751	5,751
Joralemon Tunnel-IRT	-	-	11,258	-	-	-	-	-	-	11,258	11,258
Hugh L. Carey Tunnel	2,775	-	-	4,518	-	-	-	-	-	4,518	7,293
All Ferry Points	-	-	-	-	-	-	169	-	-	169	169
<b>SECTOR TOTAL</b>	<b>13,652</b>	<b>14,350</b>	<b>93,430</b>	<b>4,518</b>	<b>14</b>	<b>-</b>	<b>169</b>	<b>-</b>	<b>930</b>	<b>113,411</b>	<b>127,063</b>
<b>QUEENS SECTOR</b>											
Sixty-Third St. Tunnel	-	-	9,971	-	-	-	-	-	-	9,971	9,971
Sixtieth St. Tunnel-BMT/IND	-	-	20,612	-	-	-	-	-	-	20,612	20,612
Ed Koch Queensboro Bridge - Tramway	5,891	-	-	2,015	282	-	-	551	334	3,182	9,073
Fifty-Third St. Tunnel-IND	-	-	18,115	-	-	-	-	-	-	18,115	18,115
Steinway Tunnel-IRT	-	-	21,909	-	-	-	-	-	-	21,909	21,909
Queens Midtown Tunnel-IRT	3,784	-	-	500	-	-	-	-	-	500	4,284
Amtrak/LIRR Tunnels	-	-	-	-	-	28,448	-	-	-	28,448	28,448
All Ferry Points	-	-	-	-	-	-	306	-	-	306	306
<b>SECTOR TOTAL</b>	<b>9,675</b>	<b>-</b>	<b>70,607</b>	<b>2,515</b>	<b>282</b>	<b>28,448</b>	<b>306</b>	<b>551</b>	<b>334</b>	<b>103,043</b>	<b>112,718</b>
<b>NEW JERSEY SECTOR</b>											
Lincoln Tunnel	5,392	-	-	28,844	-	-	-	-	-	28,844	34,236
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	22,038	-	-	-	22,038	22,038
Uptown Path Tunnel	-	-	11,139	-	-	-	-	-	-	11,139	11,139
Holland Tunnel	2,298	-	-	1,957	-	-	-	-	-	1,957	4,255
Downtown Path Tunnel	-	-	13,348	-	-	-	-	-	-	13,348	13,348
All Ferry Points	-	-	-	-	-	-	3,828	-	-	3,828	3,828
<b>SECTOR TOTAL</b>	<b>7,690</b>	<b>-</b>	<b>24,487</b>	<b>30,801</b>	<b>-</b>	<b>22,038</b>	<b>3,828</b>	<b>-</b>	<b>-</b>	<b>81,154</b>	<b>88,844</b>
STATEN ISLAND FERRY, BICYCLE	-	-	-	-	-	-	5,113	-	38	5,151	5,151
<b>TOTAL, ALL SECTORS</b>	<b>54,252</b>	<b>76,293</b>	<b>220,679</b>	<b>39,939</b>	<b>2,922</b>	<b>77,772</b>	<b>9,416</b>	<b>551</b>	<b>3,243</b>	<b>430,815</b>	<b>485,067</b>

**TABLE 15 B**  
**WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2016**  
**EVENING PEAK PERIOD (4-7 PM)**

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN RAIL	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS (PUBLIC TRANSPORTATION & BICYCLE)	TOTAL PERSONS (ALL MODES)
	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM
<b>60TH STREET SECTOR</b>											
Franklin D. Roosevelt Drive	12,105	-	-	-	-	-	-	-	-	-	12,105
York Avenue	2,282	-	-	-	361	-	-	-	-	361	2,643
First Avenue	4,778	-	-	1,471	498	-	-	-	1,053	3,022	7,800
Second Avenue	-	-	-	-	-	-	-	-	52	52	52
Third Avenue	5,453	-	-	86	1,199	-	-	-	405	1,690	7,143
Lexington Avenue- IRT	-	67,730	36,271	-	-	-	-	-	5	104,006	104,006
Park Ave	5,101	-	-	-	-	59,424	-	-	217	59,641	64,742
Madison Avenue	5,336	-	-	3,054	2,443	-	-	-	492	5,989	11,325
Fifth Avenue	-	-	-	-	-	-	-	-	6	6	6
Sixth Avenue	2,216	-	-	-	-	-	-	-	732	732	2,948
Seventh Avenue	-	-	-	-	-	-	-	-	-	-	-
Broadway	2,744	46,849	28,793	102	1,092	-	-	-	26	76,862	79,606
Eight Ave	3,656	41,742	21,464	-	204	-	-	-	719	64,129	67,785
Columbus Avenue	-	-	-	-	-	-	-	-	20	20	20
Amsterdam Avenue	5,361	-	-	-	376	-	-	-	247	623	5,984
West End Avenue	3,428	-	-	-	304	-	-	-	66	370	3,798
West Side Highway	10,077	-	-	-	-	419	-	-	72	491	10,568
Hudson River Greenway	-	-	-	-	-	-	-	-	1,548	1,548	1,548
Queensboro Bridge Ramp	6,618	-	-	-	-	-	-	-	-	-	6,618
All Ferry Points	-	-	-	-	-	-	-	-	-	-	-
<b>SECTOR TOTAL</b>	<b>69,155</b>	<b>156,321</b>	<b>86,528</b>	<b>4,713</b>	<b>6,477</b>	<b>59,843</b>	<b>-</b>	<b>-</b>	<b>5,660</b>	<b>319,542</b>	<b>388,697</b>
<b>BROOKLYN SECTOR</b>											
Fourthenth St. Tunnel-BMT	-	-	30,272	-	-	-	-	-	-	30,272	30,272
Williamsburg Bridge-BMT	11,754	-	30,903	-	51	-	-	-	1,257	32,211	43,965
Rutgers Tunnel-IND	-	-	23,538	-	-	-	-	-	-	23,538	23,538
Manhattan Bridge-BMT	10,733	34,254	43,913	-	-	-	-	-	972	79,139	89,872
Brooklyn Bridge	10,485	-	-	-	-	-	-	-	655	655	11,140
Cranberry Tunnel-IND	-	-	47,972	-	-	-	-	-	-	47,972	47,972
Clark Tunnel-IRT	-	-	24,683	-	-	-	-	-	-	24,683	24,683
Montague Tunnel-BMT	-	-	15,004	-	-	-	-	-	-	15,004	15,004
Joralemon Tunnel-IRT	-	-	31,313	-	-	-	-	-	-	31,313	31,313
Hugh L. Carey Tunnel	8,464	-	-	11,187	-	-	-	-	-	11,187	19,651
All Ferry Points	-	-	-	-	-	-	326	-	-	326	326
<b>SECTOR TOTAL</b>	<b>41,436</b>	<b>34,254</b>	<b>247,598</b>	<b>11,187</b>	<b>51</b>	<b>-</b>	<b>326</b>	<b>-</b>	<b>2,884</b>	<b>296,300</b>	<b>337,736</b>
<b>QUEENS SECTOR</b>											
Sixty-Third St. Tunnel	-	-	28,514	-	-	-	-	-	-	28,514	28,514
Sixtieth St. Tunnel-BMT/IND	-	-	54,641	-	-	-	-	-	-	54,641	54,641
Ed Koch Queensboro Bridge - Tramway	17,179	-	-	4,560	771	-	-	1,550	952	7,833	25,012
Fifty-Third St. Tunnel-IND	-	-	48,581	-	-	-	-	-	-	48,581	48,581
Steinway Tunnel-IRT	-	-	53,156	-	-	-	-	-	-	53,156	53,156
Queens Midtown Tunnel-IRT	11,510	-	-	1,011	-	-	-	-	-	1,011	12,521
Amtrak/LIRR Tunnels	-	-	-	-	-	63,448	-	-	-	63,448	63,448
All Ferry Points	-	-	-	-	-	-	522	-	-	522	522
<b>SECTOR TOTAL</b>	<b>28,689</b>	<b>-</b>	<b>184,892</b>	<b>5,571</b>	<b>771</b>	<b>63,448</b>	<b>522</b>	<b>1,550</b>	<b>952</b>	<b>257,706</b>	<b>286,395</b>
<b>NEW JERSEY SECTOR</b>											
Lincoln Tunnel	16,729	-	-	79,447	-	-	-	-	-	79,447	96,176
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	49,896	-	-	-	49,896	49,896
Uptown Path Tunnel	-	-	27,372	-	-	-	-	-	-	27,372	27,372
Holland Tunnel	7,544	-	-	4,842	-	-	-	-	-	4,842	12,386
Downtown Path Tunnel	-	-	30,170	-	-	-	-	-	-	30,170	30,170
All Ferry Points	-	-	-	-	-	-	9,837	-	-	9,837	9,837
<b>SECTOR TOTAL</b>	<b>24,273</b>	<b>-</b>	<b>57,542</b>	<b>84,289</b>	<b>-</b>	<b>49,896</b>	<b>9,837</b>	<b>-</b>	<b>-</b>	<b>201,564</b>	<b>225,837</b>
STATEN ISLAND FERRY, BICYCLE	-	-	-	-	-	-	14,886	-	139	15,025	15,025
<b>TOTAL, ALL SECTORS</b>	<b>163,553</b>	<b>190,575</b>	<b>576,560</b>	<b>105,760</b>	<b>7,299</b>	<b>173,187</b>	<b>25,571</b>	<b>1,550</b>	<b>9,635</b>	<b>1,090,137</b>	<b>1,253,690</b>

**TABLE 15 C**  
**WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL BUSINESS DAY IN 2016**  
**24 HOUR**

	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN RAIL	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	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
<b>60TH STREET SECTOR</b>											
Franklin D. Roosevelt Drive	80,725	-	-	-	-	-	-	-	-	-	80,725
York Avenue	14,302	-	-	-	1,422	-	-	-	-	1,422	15,724
First Avenue	29,433	-	-	6,014	2,125	-	-	-	3,120	11,259	40,692
Second Avenue	-	-	-	-	-	-	-	-	205	205	205
Third Avenue	37,593	-	-	197	4,056	-	-	-	1,826	6,079	43,672
Lexington Avenue- IRT	-	198,754	146,382	-	-	-	-	-	42	345,178	345,178
Park Ave	25,847	-	-	-	-	109,280	-	-	850	110,130	135,977
Madison Avenue	32,006	-	-	5,314	6,683	-	-	-	1,804	13,801	45,807
Fifth Avenue	-	-	-	-	-	-	-	-	32	32	32
Sixth Avenue	5,927	-	-	-	-	-	-	-	2,778	2,778	8,705
Seventh Avenue	-	-	-	-	-	-	-	-	47	47	47
Broadway	15,354	155,751	109,385	194	3,419	-	-	-	144	268,893	284,247
Eight Ave	22,836	135,819	66,906	-	804	-	-	-	3,397	206,926	229,762
Columbus Avenue	-	-	-	-	-	-	-	-	181	181	181
Amsterdam Avenue	26,140	-	-	-	1,653	-	-	-	880	2,533	28,673
West End Avenue	13,093	-	-	-	806	-	-	-	360	1,166	14,259
West Side Highway	61,146	-	-	-	-	2,078	-	-	253	2,331	63,477
Hudson River Greenway	-	-	-	-	-	-	-	-	4,180	4,180	4,180
Queensboro Bridge Ramp	42,738	-	-	-	-	-	-	-	-	-	42,738
All Ferry Points	-	-	-	-	-	-	-	-	-	-	-
<b>SECTOR TOTAL</b>	<b>407,140</b>	<b>490,324</b>	<b>322,673</b>	<b>11,719</b>	<b>20,968</b>	<b>111,358</b>	<b>-</b>	<b>-</b>	<b>20,099</b>	<b>977,141</b>	<b>1,384,281</b>
<b>BROOKLYN SECTOR</b>											
Fourteenth St. Tunnel-BMT	-	-	120,382	-	-	-	-	-	-	120,382	120,382
Williamsburg Bridge-BMT	70,790	-	80,666	-	197	-	-	-	3,843	84,706	155,496
Rutgers Tunnel-IND	-	-	76,265	-	-	-	-	-	-	76,265	76,265
Manhattan Bridge-BMT	58,703	89,788	117,911	-	-	-	-	-	3,249	210,948	269,651
Brooklyn Bridge	71,490	-	-	-	-	-	-	-	1,757	73,247	73,247
Cranberry Tunnel-IND	-	-	125,014	-	-	-	-	-	-	125,014	125,014
Clark Tunnel-IRT	-	-	72,495	-	-	-	-	-	-	72,495	72,495
Montague Tunnel-BMT	-	-	35,391	-	-	-	-	-	-	35,391	35,391
Joralemon Tunnel-IRT	-	-	87,258	-	-	-	-	-	-	87,258	87,258
Hugh L. Carey Tunnel	31,302	-	-	18,774	-	-	-	-	-	18,774	50,076
All Ferry Points	-	-	-	-	-	-	972	-	-	972	972
<b>SECTOR TOTAL</b>	<b>232,285</b>	<b>89,788</b>	<b>715,382</b>	<b>18,774</b>	<b>197</b>	<b>-</b>	<b>972</b>	<b>-</b>	<b>8,849</b>	<b>833,962</b>	<b>1,066,247</b>
<b>QUEENS SECTOR</b>											
Sixty-Third St. Tunnel	-	-	82,646	-	-	-	-	-	-	82,646	82,646
Sixtieth St. Tunnel-BMT/IND	-	-	144,020	-	-	-	-	-	-	144,020	144,020
Ed Koch Queensboro Bridge - Tramway	102,795	-	-	6,345	2,116	-	-	4,684	2,789	15,934	118,729
Fifty-Third St. Tunnel-IND	-	-	128,375	-	-	-	-	-	-	128,375	128,375
Steinway Tunnel-IRT	-	-	140,108	-	-	-	-	-	-	140,108	140,108
Queens Midtown Tunnel-IRT	54,581	-	-	1,299	-	-	-	-	-	1,299	55,880
Amtrak/LIRR Tunnels	-	-	-	-	-	120,327	-	-	-	120,327	120,327
All Ferry Points	-	-	-	-	-	-	1,261	-	-	1,261	1,261
<b>SECTOR TOTAL</b>	<b>157,376</b>	<b>-</b>	<b>495,149</b>	<b>7,644</b>	<b>2,116</b>	<b>120,327</b>	<b>1,261</b>	<b>4,684</b>	<b>2,789</b>	<b>633,970</b>	<b>791,346</b>
<b>NEW JERSEY SECTOR</b>											
Lincoln Tunnel	72,012	-	-	201,975	-	-	-	-	-	201,975	273,987
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	95,392	-	-	-	95,392	95,392
Uptown Path Tunnel	-	-	64,491	-	-	-	-	-	-	64,491	64,491
Holland Tunnel	54,241	-	-	13,654	-	-	-	-	-	13,654	67,895
Downtown Path Tunnel	-	-	60,430	-	-	-	-	-	-	60,430	60,430
All Ferry Points	-	-	-	-	-	-	17,572	-	-	17,572	17,572
<b>SECTOR TOTAL</b>	<b>126,253</b>	<b>-</b>	<b>124,921</b>	<b>215,629</b>	<b>-</b>	<b>95,392</b>	<b>17,572</b>	<b>-</b>	<b>-</b>	<b>453,514</b>	<b>579,767</b>
<b>STATEN ISLAND FERRY, BICYCLE</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>43,405</b>	<b>-</b>	<b>359</b>	<b>43,764</b>	<b>43,764</b>
<b>TOTAL, ALL SECTORS</b>	<b>923,054</b>	<b>580,112</b>	<b>1,658,125</b>	<b>253,766</b>	<b>23,281</b>	<b>327,077</b>	<b>63,210</b>	<b>4,684</b>	<b>32,096</b>	<b>2,942,351</b>	<b>3,865,405</b>

**TABLE 16**  
**WHERE AND WHEN MOTOR VEHICLES ENTERED THE HUB ON A FALL BUSINESS DAY IN 2016**

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
<b>60TH STREET SECTOR</b>									
FDR DRIVE	4,909	14,472	82,167	-	-	-	4,909	14,472	82,167
YORK AVENUE	587	1,719	14,624	8	23	114	595	1,742	14,738
SECOND AVENUE	1,678	5,106	42,595	26	68	292	1,704	5,174	42,887
QUEENSBORO BRIDGE RAMP	-	-	-	-	-	-	-	-	-
LEXINGTON AVENUE	1,155	3,348	22,271	24	68	343	1,179	3,416	22,614
PARK AVENUE	1,178	3,270	17,394	-	-	-	1,178	3,270	17,394
FIFTH AVENUE	1,262	3,907	24,325	70	203	726	1,332	4,110	25,051
CENTRAL PARK DRIVE AND 7TH AVENUE	541	1,096	1,134	-	-	-	541	1,096	1,134
BROADWAY	928	2,587	14,914	29	89	486	957	2,676	15,400
COLUMBUS AVENUE	827	2,772	19,781	6	20	92	833	2,792	19,873
WEST END AVENUE	575	1,705	11,617	6	17	84	581	1,722	11,701
WEST SIDE HIGHWAY	4,344	13,011	63,593	-	-	-	4,344	13,011	63,593
<b>SECTOR TOTAL</b>	<b>17,984</b>	<b>52,993</b>	<b>314,415</b>	<b>169</b>	<b>488</b>	<b>2,137</b>	<b>18,153</b>	<b>53,481</b>	<b>316,552</b>
<b>BROOKLYN SECTOR</b>									
WILLIAMSBURG BRIDGE	2,504	7,315	51,079	2	7	29	2,506	7,322	51,108
MANHATTAN BRIDGE	2,781	8,669	45,468	-	-	-	2,781	8,669	45,468
BROOKLYN BRIDGE	3,439	9,676	54,129	-	-	-	3,439	9,676	54,129
HUGH L. CAREY TUNNEL	3,084	8,036	29,748	153	359	616	3,237	8,395	30,364
<b>SECTOR TOTAL</b>	<b>11,808</b>	<b>33,696</b>	<b>180,424</b>	<b>155</b>	<b>366</b>	<b>645</b>	<b>11,963</b>	<b>34,062</b>	<b>181,069</b>
<b>QUEENS SECTOR</b>									
QUEENS MIDTOWN TUNNEL	3,380	9,227	39,722	114	277	414	3,494	9,504	40,136
ED KOCH QUEENSBORO BRIDGE	5,085	15,278	86,745	13	29	194	5,098	15,307	86,939
<b>SECTOR TOTAL</b>	<b>8,465</b>	<b>24,505</b>	<b>126,467</b>	<b>127</b>	<b>306</b>	<b>608</b>	<b>8,592</b>	<b>24,811</b>	<b>127,075</b>
<b>NEW JERSEY SECTOR</b>									
HOLLAND TUNNEL	2,568	7,728	41,597	80	199	630	2,648	7,927	42,227
LINCOLN TUNNEL	2,626	8,481	45,997	927	2,398	7,124	3,553	10,879	53,121
<b>SECTOR TOTAL</b>	<b>5,194</b>	<b>16,209</b>	<b>87,594</b>	<b>1,007</b>	<b>2,597</b>	<b>7,754</b>	<b>6,201</b>	<b>18,806</b>	<b>95,348</b>
<b>TOTAL, ALL SECTORS</b>	<b>43,451</b>	<b>127,403</b>	<b>708,900</b>	<b>1,458</b>	<b>3,757</b>	<b>11,144</b>	<b>44,909</b>	<b>131,160</b>	<b>720,044</b>

Notes:

- Majority of buses crossing at the 60<sup>th</sup> 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 2016**

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
<b>60TH STREET SECTOR</b>									
FDR DRIVE	3,170	9,464	65,657	-	-	-	3,170	9,464	65,657
YORK AVENUE	606	1,537	9,805	6	20	106	612	1,557	9,911
FIRST AVENUE	1,322	3,714	23,746	23	49	272	1,345	3,763	24,018
QUEENSBORO BRIDGE RAMP	1,813	5,232	35,408	-	-	-	1,813	5,232	35,408
THIRD AVENUE	1,136	3,372	25,595	22	61	330	1,158	3,433	25,925
PARK AVENUE	1,079	3,233	16,940	-	-	-	1,079	3,233	16,940
MADISON AVENUE	1,039	3,271	21,926	87	215	690	1,126	3,486	22,616
CENTRAL PARK DRIVE FROM 6TH AVENUE	413	1,182	3,318	-	-	-	413	1,182	3,318
CENTRAL PARK WEST	622	1,945	12,926	9	26	135	631	1,971	13,061
BROADWAY	676	2,114	11,636	24	60	330	700	2,174	11,966
AMSTERDAM AVENUE	1,253	3,734	19,706	6	15	88	1,259	3,749	19,794
WEST END AVENUE	876	2,355	9,108	6	19	86	882	2,374	9,194
WEST SIDE HIGHWAY	2,623	8,538	52,533	-	-	-	2,623	8,538	52,533
<b>SECTOR TOTAL</b>	<b>16,628</b>	<b>49,691</b>	<b>308,304</b>	<b>183</b>	<b>465</b>	<b>2,037</b>	<b>16,811</b>	<b>50,156</b>	<b>310,341</b>
<b>BROOKLYN SECTOR</b>									
WILLIAMSBURG BRIDGE	3,055	9,014	54,511	1	4	26	3,056	9,018	54,537
MANHATTAN BRIDGE	2,365	7,206	39,616	-	-	-	2,365	7,206	39,616
BROOKLYN BRIDGE	2,508	7,738	51,550	-	-	-	2,508	7,738	51,550
HUGH L. CAREY TUNNEL	2,358	7,244	26,797	131	348	635	2,489	7,592	27,432
<b>SECTOR TOTAL</b>	<b>10,286</b>	<b>31,202</b>	<b>172,474</b>	<b>132</b>	<b>352</b>	<b>661</b>	<b>10,418</b>	<b>31,554</b>	<b>173,135</b>
<b>QUEENS SECTOR</b>									
QUEENS MIDTOWN TUNNEL	2,443	7,330	35,161	15	34	53	2,458	7,364	35,214
ED KOCH QUEENSBORO BRIDGE	4,901	14,450	82,841	87	222	497	4,988	14,672	83,338
<b>SECTOR TOTAL</b>	<b>7,344</b>	<b>21,780</b>	<b>118,002</b>	<b>102</b>	<b>256</b>	<b>550</b>	<b>7,446</b>	<b>22,036</b>	<b>118,552</b>
<b>NEW JERSEY SECTOR</b>									
HOLLAND TUNNEL	1,941	6,323	45,884	54	140	572	1,995	6,463	46,456
LINCOLN TUNNEL	3,997	12,288	51,023	679	1,903	7,170	4,676	14,191	58,193
<b>SECTOR TOTAL</b>	<b>5,938</b>	<b>18,611</b>	<b>96,907</b>	<b>733</b>	<b>2,043</b>	<b>7,742</b>	<b>6,671</b>	<b>20,654</b>	<b>104,649</b>
<b>TOTAL, ALL SECTORS</b>	<b>40,196</b>	<b>121,284</b>	<b>695,687</b>	<b>1,150</b>	<b>3,116</b>	<b>10,990</b>	<b>41,346</b>	<b>124,400</b>	<b>706,677</b>

## Notes:

- Majority of buses crossing at the 60<sup>th</sup> 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 2016**

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
<b>60TH STREET SECTOR</b>									
FDR DRIVE	-	-	-	-	-	-	-	-	-
YORK AVENUE	282	598	2,370	-	-	-	282	598	2,370
SECOND AVENUE	228	503	2,230	751	1,620	4,630	979	2,123	6,860
LEXINGTON AVENUE	476	1,097	3,929	108	333	773	584	1,430	4,702
FIFTH AVENUE	942	1,731	5,665	571	2,469	5,502	1,513	4,200	11,167
BROADWAY	306	892	3,409	45	138	328	351	1,030	3,737
COLUMBUS AVENUE	95	242	1,091	-	-	-	95	242	1,091
WEST END AVENUE	131	315	1,017	-	-	-	131	315	1,017
<b>SECTOR TOTAL</b>	<b>2,460</b>	<b>5,378</b>	<b>19,711</b>	<b>1,475</b>	<b>4,560</b>	<b>11,233</b>	<b>3,935</b>	<b>9,938</b>	<b>30,944</b>
<b>BROOKLYN SECTOR</b>									
WILLIAMSBURG BRIDGE	18	42	109	-	-	-	18	42	109
MANHATTAN BRIDGE	-	-	-	-	-	-	-	-	-
HUGH L. CAREY TUNNEL	-	-	-	5,538	13,260	21,816	5,538	13,260	21,816
<b>SECTOR TOTAL</b>	<b>18</b>	<b>42</b>	<b>109</b>	<b>5,538</b>	<b>13,260</b>	<b>21,816</b>	<b>5,556</b>	<b>13,302</b>	<b>21,925</b>
<b>QUEENS SECTOR</b>									
QUEENS MIDTOWN TUNNEL	-	-	-	2,559	6,983	8,937	2,559	6,983	8,937
ED KOCH QUEENSBORO BRIDGE	164	330	1,409	-	-	-	164	330	1,409
<b>SECTOR TOTAL</b>	<b>164</b>	<b>330</b>	<b>1,409</b>	<b>2,559</b>	<b>6,983</b>	<b>8,937</b>	<b>2,723</b>	<b>7,313</b>	<b>10,346</b>
<b>NEW JERSEY SECTOR</b>									
HOLLAND TUNNEL	-	-	-	2,919	7,152	17,083	2,919	7,152	17,083
LINCOLN TUNNEL	-	-	-	36,131	91,160	198,395	36,131	91,160	198,395
<b>SECTOR TOTAL</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>39,050</b>	<b>98,312</b>	<b>215,478</b>	<b>39,050</b>	<b>98,312</b>	<b>215,478</b>
<b>TOTAL, ALL SECTORS</b>	<b>2,642</b>	<b>5,750</b>	<b>21,229</b>	<b>48,622</b>	<b>123,115</b>	<b>257,464</b>	<b>51,264</b>	<b>128,865</b>	<b>278,693</b>

**TABLE 19**  
**WHERE AND WHEN BUS PASSENGERS LEFT THE HUB**  
**ON A FALL BUSINESS DAY IN 2016**

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
<b>60TH STREET SECTOR</b>									
FDR DRIVE	-	-	-	-	-	-	-	-	-
YORK AVENUE	139	361	1,422	-	-	-	139	361	1,422
FIRST AVENUE	200	498	2,125	758	1,471	6,014	958	1,969	8,139
THIRD AVENUE	471	1,199	4,056	45	86	197	516	1,285	4,253
MADISON AVENUE	1,027	2,443	6,683	1,263	3,054	5,314	2,290	5,497	11,997
CENTRAL PARK WEST	76	204	804	-	-	-	76	204	804
BROADWAY	466	1,092	3,419	39	102	194	505	1,194	3,613
AMSTERDAM AVENUE	148	376	1,653	-	-	-	148	376	1,653
WEST END AVENUE	99	304	806	-	-	-	99	304	806
<b>SECTOR TOTAL</b>	<b>2,626</b>	<b>6,477</b>	<b>20,968</b>	<b>2,105</b>	<b>4,713</b>	<b>11,719</b>	<b>4,731</b>	<b>11,190</b>	<b>32,687</b>
<b>BROOKLYN SECTOR</b>									
WILLIAMSBURG BRIDGE	14	51	197	-	-	-	14	51	197
MANHATTAN BRIDGE	-	-	-	-	-	-	-	-	-
HUGH L. CAREY TUNNEL	-	-	-	4,518	11,187	18,774	4,518	11,187	18,774
<b>SECTOR TOTAL</b>	<b>14</b>	<b>51</b>	<b>197</b>	<b>4,518</b>	<b>11,187</b>	<b>18,774</b>	<b>4,532</b>	<b>11,238</b>	<b>18,971</b>
<b>QUEENS SECTOR</b>									
QUEENS MIDTOWN TUNNEL	-	-	-	500	1,011	1,299	500	1,011	1,299
ED KOCH QUEENSBORO BRIDGE	282	771	2,116	2,015	4,560	6,345	2,297	5,331	8,461
<b>SECTOR TOTAL</b>	<b>282</b>	<b>771</b>	<b>2,116</b>	<b>2,515</b>	<b>5,571</b>	<b>7,644</b>	<b>2,797</b>	<b>6,342</b>	<b>9,760</b>
<b>NEW JERSEY SECTOR</b>									
HOLLAND TUNNEL	-	-	-	1,957	4,842	13,654	1,957	4,842	13,654
LINCOLN TUNNEL	-	-	-	28,844	79,447	201,975	28,844	79,447	201,975
<b>SECTOR TOTAL</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>30,801</b>	<b>84,289</b>	<b>215,629</b>	<b>30,801</b>	<b>84,289</b>	<b>215,629</b>
<b>TOTAL, ALL SECTORS</b>	<b>2,922</b>	<b>7,299</b>	<b>23,281</b>	<b>39,939</b>	<b>105,760</b>	<b>253,766</b>	<b>42,861</b>	<b>113,059</b>	<b>277,047</b>



**TABLE 20**  
**LEVEL OF COMFORT (1) AND FREQUENCY OF SERVICE (2)**  
**FOR PUBLIC TRANSPORTATION VEHICLES ENTERING THE HUB ON A FALL BUSINESS DAY IN 2015 AND 2016**  
**DURING THE 8AM-9AM PEAK HOUR**

	SERVICE OPERATION				FLOOR SPACE		NUMBER OF PSGR		PASSENGERS		AVG FLOOR SPACE		AVERAGE HEADWAY (2)	
	TRAINS, ETC.		RAILCARS, BUSES		(SQ. FT.)		PASSENGERS		PER RAILCAR, BUS		PER PSGR (1) (SQ. FT.)		(MINUTES)	
	2015	2016	2015	2016	2015 (2)	2016 (2)	2015	2016	2015	2016	2015	2016	2015	2016
<b>60TH STREET SECTOR</b>														
LEXINGTON AVE EXPRESS	21	24	210	240	92,400	105,600	24,899	28,230	119	118	3.7	3.7	2.9	2.5
LEXINGTON AVE LOCAL	21	21	210	210	92,400	92,400	20,856	21,033	99	100	4.4	4.4	2.9	2.9
EIGHTH AVE EXPRESS	19	17	152	136	114,000	102,000	25,179	23,246	166	171	4.5	4.4	3.2	3.5
EIGHTH AVE LOCAL	13	13	104	104	70,408	70,408	11,657	12,614	112	121	6.0	5.6	4.6	4.6
BROADWAY/7TH AVE EXPRESS	21	23	210	230	92,400	101,200	25,446	28,427	121	124	3.6	3.6	2.9	2.6
BROADWAY/7TH AVE LOCAL	17	18	170	180	74,800	79,200	14,182	13,424	83	75	5.3	5.9	3.5	3.3
MTA/AMTRAK TUN.	53	53	423	422	254,646	254,044	35,175	34,692	83	82	7.2	7.3	1.1	1.1
BUSES	-	-	158	169	51,440	54,980	3,960	3,935	25	23	13.0	14.0	-	-
<b>SECTOR AVERAGE</b>	<b>165</b>	<b>169</b>	<b>1,637</b>	<b>1,691</b>	<b>842,494</b>	<b>859,832</b>	<b>161,354</b>	<b>165,601</b>	<b>101</b>	<b>102</b>	<b>5.2</b>	<b>5.2</b>	<b>3.0</b>	<b>2.9</b>
<b>BROOKLYN SECTOR</b>														
14TH ST. TUNNEL	19	19	152	152	91,504	91,504	23,938	23,987	157	158	3.8	3.8	3.2	3.2
WILLIAMSBURG BRIDGE	20	19	160	152	96,320	91,504	17,880	16,657	112	110	5.4	5.5	3.0	3.2
RUTGERS ST. TUNNEL	11	14	110	140	78,430	99,820	12,264	14,280	111	102	6.4	7.0	5.5	4.3
MANHATTAN BRIDGE	38	38	344	340	229,448	226,780	44,335	43,550	129	128	5.2	5.2	1.6	1.6
CRANBERRY ST. TUNNEL	25	20	200	160	138,800	111,040	24,202	21,721	121	136	5.7	5.1	2.4	3.0
CLARK ST. TUNNEL	15	16	150	160	66,000	70,400	14,138	13,536	94	85	4.7	5.2	4.0	3.8
MONTAGUE ST. TUNNEL	10	8	80	64	48,160	38,528	5,704	5,595	71	87	8.4	6.9	6.0	7.5
JORALEMON ST. TUNNEL	19	20	190	200	83,600	88,000	15,957	16,504	84	83	5.2	5.3	3.2	3.0
BUSES	-	-	160	155	51,600	50,100	5,790	5,556	36	36	8.9	9.0	-	-
<b>SECTOR AVERAGE</b>	<b>157</b>	<b>154</b>	<b>1,546</b>	<b>1,523</b>	<b>883,862</b>	<b>867,676</b>	<b>164,208</b>	<b>161,386</b>	<b>102</b>	<b>103</b>	<b>5.4</b>	<b>5.4</b>	<b>3.6</b>	<b>3.7</b>
<b>QUEENS SECTOR</b>														
60TH STREET TUNNEL	24	23	220	212	132,440	127,624	28,793	29,005	131	137	4.6	4.4	2.5	2.6
53RD STREET TUNNEL	23	22	212	204	127,624	122,808	26,488	22,491	125	110	4.8	5.5	2.6	2.7
STEINWAY TUNNEL	25	24	275	264	121,000	116,160	20,946	20,895	76	79	5.8	5.6	2.4	2.5
63RD STREET TUNNEL	14	13	140	130	99,820	92,690	17,587	17,816	126	137	5.7	5.2	4.3	4.6
LIRR/AMTRAK TUNNELS	37	37	388	390	233,576	234,780	33,727	34,099	87	87	6.9	6.9	1.6	1.6
BUSES	-	-	132	127	44,500	42,800	3,631	2,723	28	21	12.3	15.7	-	-
<b>SECTOR AVERAGE</b>	<b>123</b>	<b>119</b>	<b>1,367</b>	<b>1,327</b>	<b>758,960</b>	<b>736,862</b>	<b>131,172</b>	<b>127,029</b>	<b>95</b>	<b>95</b>	<b>5.8</b>	<b>5.8</b>	<b>2.7</b>	<b>2.8</b>
<b>NEW JERSEY SECTOR</b>														
PATH DOWNTOWN TUNNEL	25	25	200	200	73,600	73,600	14,230	15,936	71	80	5.2	4.6	2.4	2.4
PATH UPTOWN TUNNEL	24	24	168	168	61,824	61,824	16,712	17,061	99	102	3.7	3.6	2.5	2.5
N.J. TRANSIT/AMTRAK TUNNEL	25	25	228	224	137,256	134,848	24,662	29,942	108	134	5.6	4.5	2.4	2.4
BUSES	-	-	1,053	1,007	336,960	322,240	40,865	39,050	39	39	8.2	8.3	-	-
<b>SECTOR AVERAGE</b>	<b>74</b>	<b>74</b>	<b>1,649</b>	<b>1,599</b>	<b>609,640</b>	<b>592,512</b>	<b>96,469</b>	<b>101,989</b>	<b>79</b>	<b>88</b>	<b>6.3</b>	<b>5.8</b>	<b>2.4</b>	<b>2.4</b>
<b>STATEN ISLAND FERRY</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>80,000</b>	<b>80,000</b>	<b>6,298</b>	<b>5,479</b>	<b>1,575</b>	<b>1,370</b>	<b>12.7</b>	<b>14.6</b>	<b>15.0</b>	<b>15.0</b>
<b>ROOSEVELT ISLAND TRAMWAY</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>2,075</b>	<b>2,075</b>	<b>659</b>	<b>756</b>	<b>82</b>	<b>95</b>	<b>3.1</b>	<b>2.7</b>	<b>7.5</b>	<b>7.5</b>
<b>TOTAL/AVERAGE, ALL SECTORS</b>	<b>531</b>	<b>528</b>	<b>6,211</b>	<b>6,152</b>	<b>3,177,031</b>	<b>3,138,957</b>	<b>560,160</b>	<b>562,240</b>	<b>90</b>	<b>91</b>	<b>5.7</b>	<b>5.6</b>	<b>2.9</b>	<b>3.0</b>

(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 2014, 2015, AND 2016**

HOURS	2014			2015			2016		
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
12:00am	28,993	65,928	94,921	32,189	69,256	101,445	30,749	72,305	103,054
1:00am	16,370	33,556	49,926	17,848	38,477	56,325	17,708	37,623	55,331
2:00am	12,059	19,007	31,066	12,967	21,177	34,144	13,148	21,194	34,342
3:00am	13,329	15,132	28,461	13,312	15,683	28,995	14,022	15,479	29,501
4:00am	28,519	19,159	47,678	26,760	18,809	45,569	26,875	19,071	45,946
5:00am	92,071	36,741	128,812	84,954	35,425	120,379	91,393	36,256	127,649
6:00am	225,004	85,601	310,605	226,567	88,271	314,838	228,607	87,025	315,632
7:00am	436,137	152,040	588,177	430,394	154,668	585,062	427,554	150,047	577,601
8:00am	611,738	168,741	780,479	625,817	173,181	798,998	625,878	167,914	793,792
9:00am	378,621	130,840	509,461	395,773	137,267	533,040	394,607	133,461	528,068
10:00am	208,385	108,230	316,615	217,292	109,146	326,438	214,598	108,179	322,777
11:00am	161,504	108,404	269,908	169,260	109,787	279,047	163,848	110,105	273,953
12:00pm	146,350	119,787	266,137	151,257	122,175	273,432	152,567	122,050	274,617
1:00pm	146,196	137,207	283,403	147,806	137,706	285,512	149,024	139,381	288,405
2:00pm	156,752	171,074	327,826	157,541	167,681	325,222	159,739	170,897	330,636
3:00pm	178,513	233,559	412,072	180,994	234,615	415,609	181,065	235,825	416,890
4:00pm	194,041	320,936	514,977	200,479	323,226	523,705	194,341	305,299	499,640
5:00pm	203,840	494,046	697,886	211,916	486,978	698,894	211,096	485,067	696,163
6:00pm	167,899	447,202	615,101	180,819	480,494	661,313	174,106	463,324	637,430
7:00pm	123,024	297,839	420,863	136,443	324,935	461,378	130,324	308,251	438,575
8:00pm	95,212	218,146	313,358	99,976	233,744	333,720	100,861	230,703	331,564
9:00pm	78,060	174,170	252,230	83,621	187,309	270,930	81,315	182,216	263,531
10:00pm	66,609	149,849	216,458	71,792	152,295	224,087	69,831	143,600	213,431
11:00pm	52,071	109,274	161,345	54,976	114,382	169,358	56,742	120,133	176,875
<b>TOTAL</b>	<b>3,821,297</b>	<b>3,816,468</b>	<b>7,637,765</b>	<b>3,930,753</b>	<b>3,936,687</b>	<b>7,867,440</b>	<b>3,909,998</b>	<b>3,865,405</b>	<b>7,775,403</b>

**TABLE 21B**  
**CUMULATIVE NUMBER OF PERSONS ENTERING THE HUB,**  
**AT PEAK ACCUMULATION 1975-2016**

YEAR	TOTAL ACCUMULATION	AT
1975	1,402,000	1:00pm
1976	1,319,000	1:00pm
1977	1,356,000	1:00pm
1978	1,329,000	1:00pm
1979	1,388,000	2:00pm
1980	1,436,000	1:00pm
1981	1,446,000	1:00pm
1982	1,487,000	1:00pm
1983	1,500,000	1:00pm
1984	1,511,000	1:00pm
1985	1,485,000	1:00pm
1986	1,471,000	1:00pm
1987	1,448,000	1:00pm
1988	1,447,000	2:00pm
1989	1,481,000	1:00pm
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

**TABLE 22A**  
**TOTAL PUBLIC TRANSIT PASSENGERS ENTERING AND LEAVING**  
**THE HUB ON A FALL BUSINESS DAY IN 2014, 2015, AND 2016**

HOURS	2014			2015			2016		
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
12:00am	8,922	37,582	46,504	10,726	39,469	50,195	9,745	42,519	52,264
1:00am	3,980	15,779	19,759	4,673	19,286	23,959	4,419	19,000	23,419
2:00am	3,144	6,994	10,138	3,386	8,677	12,063	3,591	8,648	12,239
3:00am	4,324	4,980	9,304	3,842	5,391	9,233	4,380	5,008	9,388
4:00am	14,590	5,822	20,412	12,306	5,813	18,119	11,919	5,825	17,744
5:00am	62,373	15,611	77,984	53,886	15,181	69,067	59,014	14,579	73,593
6:00am	177,717	50,930	228,647	178,349	53,530	231,879	180,683	53,829	234,512
7:00am	380,702	108,568	489,270	373,869	112,133	486,002	372,829	109,289	482,118
8:00am	551,029	125,844	676,873	565,133	131,220	696,353	567,307	126,976	694,283
9:00am	320,086	90,125	410,211	337,600	96,729	434,329	339,815	94,997	434,812
10:00am	157,115	67,587	224,702	166,067	68,037	234,104	166,259	68,907	235,166
11:00am	115,847	67,245	183,092	123,828	68,332	192,160	119,077	69,851	188,928
12:00pm	102,026	75,887	177,913	106,402	77,856	184,258	108,765	79,776	188,541
1:00pm	101,730	90,443	192,173	103,848	91,211	195,059	105,663	94,782	200,445
2:00pm	109,805	120,067	229,872	111,085	116,494	227,579	115,222	121,858	237,080
3:00pm	130,758	177,092	307,850	134,646	177,866	312,512	135,988	182,792	318,780
4:00pm	146,039	259,689	405,728	152,985	262,043	415,028	147,875	248,604	396,479
5:00pm	154,840	431,372	586,212	162,519	425,255	587,774	163,934	427,572	591,506
6:00pm	118,256	384,165	502,421	131,289	416,169	547,458	126,713	404,326	531,039
7:00pm	75,716	237,651	313,367	88,520	264,854	353,374	83,696	250,598	334,294
8:00pm	52,894	163,156	216,050	57,536	178,074	235,610	57,440	177,055	234,495
9:00pm	39,999	123,319	163,318	44,293	135,790	180,083	40,490	131,000	171,490
10:00pm	29,265	101,116	130,381	34,068	102,766	136,834	31,603	94,881	126,484
11:00pm	19,486	67,333	86,819	22,245	74,484	96,729	24,344	77,583	101,927
<b>TOTAL</b>	<b>2,880,643</b>	<b>2,828,357</b>	<b>5,709,000</b>	<b>2,983,101</b>	<b>2,946,660</b>	<b>5,929,761</b>	<b>2,980,771</b>	<b>2,910,255</b>	<b>5,891,026</b>

**TABLE 22B**  
**CUMULATIVE NUMBER OF PASSENGERS ENTERING AND LEAVING**  
**THE HUB BY PUBLIC TRANSPORTATION, AT PEAK ACCUMULATION**  
**1975-2016**

YEAR	TOTAL ACCUMULATION	AT
1975	1,254,000	1:00pm
1976	1,209,000	1:00pm
1977	1,189,000	1:00pm
1978	1,167,000	1:00pm
1979	1,226,000	2:00pm
1980	1,274,000	1:00pm
1981	1,291,000	1:00pm
1982	1,291,000	1:00pm
1983	1,299,000	1:00pm
1984	1,302,000	1:00pm
1985	1,300,000	1:00pm
1986	1,290,000	1:00pm
1987	1,258,000	1:00pm
1988	1,272,000	2:00pm
1989	1,305,000	1:00pm
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

**TABLE 23A**  
**TOTAL PRIVATE MOTOR VEHICLES ENTERING AND LEAVING**  
**THE HUB ON A FALL BUSINESS DAY IN YEARS 2014, 2015, AND 2016**

HOURS	2014			2015			2016		
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
12:00am	15,586	21,357	36,943	16,546	22,184	38,730	16,265	22,254	38,519
1:00am	9,624	13,413	23,037	10,169	14,301	24,470	10,286	13,939	24,225
2:00am	6,965	9,100	16,065	7,435	9,361	16,796	7,439	9,427	16,866
3:00am	7,077	7,698	14,775	7,386	7,763	15,149	7,540	7,908	15,448
4:00am	10,969	10,155	21,124	11,350	9,883	21,233	11,794	10,092	21,886
5:00am	23,435	16,118	39,553	24,394	15,463	39,857	25,499	16,560	42,059
6:00am	38,429	26,181	64,610	39,185	26,162	65,347	38,778	25,008	63,786
7:00am	43,869	32,238	76,107	44,732	31,609	76,341	43,027	30,245	73,272
8:00am	45,235	31,548	76,783	45,442	30,856	76,298	43,451	30,030	73,481
9:00am	43,764	29,624	73,388	43,580	29,416	72,996	40,925	27,956	68,881
10:00am	39,133	29,977	69,110	39,212	30,135	69,347	36,902	28,901	65,803
11:00am	35,130	30,472	65,602	34,790	30,473	65,263	34,071	29,703	63,774
12:00pm	33,277	32,141	65,418	33,615	32,200	65,815	32,747	30,785	63,532
1:00pm	33,534	34,662	68,196	33,078	34,273	67,351	32,536	33,023	65,559
2:00pm	35,544	37,635	73,179	35,068	37,417	72,485	33,602	35,931	69,533
3:00pm	36,745	41,889	78,634	35,509	41,975	77,484	34,638	39,291	73,929
4:00pm	36,355	44,410	80,765	35,809	44,235	80,044	35,227	40,867	76,094
5:00pm	36,532	44,304	80,836	36,789	43,477	80,266	35,057	40,196	75,253
6:00pm	37,209	43,374	80,583	37,259	43,994	81,253	35,474	40,221	75,695
7:00pm	35,678	42,288	77,966	36,216	42,193	78,409	35,092	40,155	75,247
8:00pm	32,099	39,706	71,805	32,198	40,176	72,374	32,852	38,717	71,569
9:00pm	29,133	37,081	66,214	30,207	37,494	67,701	31,262	37,223	68,485
10:00pm	28,720	35,658	64,378	29,105	36,243	65,348	29,484	35,857	65,341
11:00pm	24,979	30,888	55,867	25,096	29,348	54,444	24,952	31,398	56,350
<b>TOTAL</b>	<b>719,021</b>	<b>721,917</b>	<b>1,440,938</b>	<b>724,170</b>	<b>720,631</b>	<b>1,444,801</b>	<b>708,900</b>	<b>695,687</b>	<b>1,404,587</b>

**TABLE 23B**  
**CUMULATIVE NUMBER OF MOTOR VEHICLES ENTERING AND LEAVING**  
**THE HUB, AT PEAK ACCUMULATION, 1975-2016**

YEAR	TOTAL ACCUMULATION	AT
1975	84,400	2:00pm
1976	93,500	1:00pm
1977	97,400	2:00pm
1978	96,900	2:00pm
1979	101,500	2:00pm
1980	101,500	2:00pm
1981	97,400	2:00pm
1982	102,100	2:00pm
1983	105,800	1:00pm
1984	125,300	2:00pm
1985	104,000	1:00pm
1986	107,200	1:00pm
1987	110,900	2:00pm
1988	100,800	1:00pm
1989	101,300	2:00pm
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
1999	N/A	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

**TABLE 24**  
**TOTAL PERSONS ENTERING THE HUB BY HOUR AND MODE IN 2016**

HOURS	AUTO/TAXI VAN/TRUCK	SUBWAY	BUSES	SUBURBAN RAIL	FERRY	TRAMWAY	BICYCLE (1)	TOTAL
12:00am	20,859	8,309	683	471	275	7	145	30,749
1:00am	13,157	3,552	352	333	168	14	132	17,708
2:00am	9,474	3,031	201	265	94	0	83	13,148
3:00am	9,570	3,768	503	40	69	0	72	14,022
4:00am	14,854	9,988	1,331	520	80	0	102	26,875
5:00am	32,141	42,053	10,920	5,308	702	31	238	91,393
6:00am	46,962	123,198	29,938	24,911	2,578	84	936	228,607
7:00am	52,812	253,025	51,890	61,101	6,450	406	1,870	427,554
8:00am	54,957	406,008	51,264	98,733	10,607	756	3,553	625,878
9:00am	51,788	261,700	25,711	43,453	8,509	475	2,971	394,607
10:00am	46,455	135,787	11,232	15,960	3,071	230	1,863	214,598
11:00am	42,976	97,303	8,275	11,044	2,236	238	1,776	163,848
12:00pm	41,962	90,369	7,094	8,691	2,399	229	1,823	152,567
1:00pm	41,610	87,675	7,116	7,884	2,786	214	1,739	149,024
2:00pm	42,888	97,383	8,753	6,315	2,525	268	1,607	159,739
3:00pm	43,534	115,526	10,260	6,989	2,883	344	1,529	181,065
4:00pm	44,929	121,886	13,281	8,627	3,786	310	1,522	194,341
5:00pm	45,236	139,571	10,567	9,963	3,517	338	1,904	211,096
6:00pm	45,262	103,479	9,406	10,899	2,696	245	2,119	174,106
7:00pm	44,670	68,116	7,145	6,658	1,660	126	1,949	130,324
8:00pm	41,840	48,023	4,869	3,583	902	71	1,573	100,861
9:00pm	39,802	33,052	3,381	3,182	826	53	1,019	81,315
10:00pm	37,576	25,862	2,523	2,570	612	45	643	69,831
11:00pm	31,925	20,736	1,998	1,116	460	37	470	56,742
<b>TOTAL</b>	<b>897,239</b>	<b>2,299,400</b>	<b>278,693</b>	<b>338,616</b>	<b>59,891</b>	<b>4,521</b>	<b>31,638</b>	<b>3,909,998</b>

(1) - Excludes SI Ferry bicyclists



**TABLE 25**  
**TOTAL PERSONS LEAVING THE HUB BY HOUR AND MODE IN 2016**

HOURS	AUTO/TAXI VAN/TRUCK	SUBWAY	BUSES	SUBURBAN RAIL	FERRY	TRAMWAY	BICYCLE (1)	TOTAL
12:00am	29,511	35,167	3,297	2,878	1,144	33	275	72,305
1:00am	18,466	15,668	1,023	1,562	727	20	157	37,623
2:00am	12,447	7,762	300	138	448	0	99	21,194
3:00am	10,401	4,185	314	268	241	0	70	15,479
4:00am	13,172	4,666	681	300	178	0	74	19,071
5:00am	21,600	11,834	1,750	823	166	6	77	36,256
6:00am	32,695	44,385	6,095	3,056	242	55	497	87,025
7:00am	39,880	90,229	11,197	6,668	1,127	73	873	150,047
8:00am	39,815	105,904	13,442	6,289	1,277	67	1,120	167,914
9:00am	37,382	77,132	11,994	4,461	1,301	116	1,075	133,461
10:00am	38,242	56,774	6,704	4,130	1,040	265	1,024	108,179
11:00am	39,045	58,360	5,126	4,541	1,639	190	1,204	110,105
12:00pm	40,796	66,110	5,247	5,914	2,342	172	1,469	122,050
1:00pm	43,106	78,357	6,815	6,847	2,539	231	1,486	139,381
2:00pm	47,517	98,654	8,751	11,053	3,096	324	1,502	170,897
3:00pm	51,419	144,059	14,073	20,427	3,801	460	1,586	235,825
4:00pm	54,587	181,983	25,809	35,172	5,296	386	2,066	305,299
5:00pm	54,252	296,972	42,861	77,772	9,454	551	3,205	485,067
6:00pm	54,714	288,180	44,389	60,243	10,960	613	4,225	463,324
7:00pm	54,170	189,308	24,923	28,891	7,080	433	3,446	308,251
8:00pm	51,367	139,982	15,828	17,381	3,597	300	2,248	230,703
9:00pm	49,479	103,558	11,626	13,132	2,504	192	1,725	182,216
10:00pm	47,440	73,760	9,737	9,338	1,960	109	1,256	143,600
11:00pm	41,551	65,248	5,065	5,793	1,410	88	978	120,133
<b>TOTAL</b>	<b>923,054</b>	<b>2,238,237</b>	<b>277,047</b>	<b>327,077</b>	<b>63,569</b>	<b>4,684</b>	<b>31,737</b>	<b>3,865,405</b>

(1) - Excludes SI Ferry bicyclists

**TABLE 26**  
**TOTAL PERSONS ENTERING THE HUB BY HOUR AND SECTOR IN 2016**

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	N. J. SECTOR	S. I. SECTOR (FERRY)	ROOSEVELT ISLAND (TRAMWAY)	TOTAL
12:00am	14,849	8,355	4,698	2,568	272	7	30,749
1:00am	7,511	5,136	3,208	1,671	168	14	17,708
2:00am	5,781	3,554	2,401	1,318	94	0	13,148
3:00am	5,436	3,881	2,834	1,802	69	0	14,022
4:00am	8,985	7,709	6,159	3,942	80	0	26,875
5:00am	29,044	22,672	19,052	20,312	282	31	91,393
6:00am	67,714	60,830	53,212	45,612	1,155	84	228,607
7:00am	129,256	110,507	98,115	86,155	3,115	406	427,554
8:00am	191,327	176,751	137,748	113,817	5,479	756	625,878
9:00am	118,626	121,230	88,384	59,508	6,384	475	394,607
10:00am	74,428	64,923	44,821	27,990	2,206	230	214,598
11:00am	60,186	49,307	32,444	19,950	1,723	238	163,848
12:00pm	59,520	44,805	29,323	16,907	1,783	229	152,567
1:00pm	58,677	43,462	27,780	16,531	2,360	214	149,024
2:00pm	62,186	47,617	29,547	17,994	2,127	268	159,739
3:00pm	77,265	48,803	33,216	19,071	2,366	344	181,065
4:00pm	82,730	48,237	34,698	25,352	3,014	310	194,341
5:00pm	88,506	55,879	36,790	27,134	2,449	338	211,096
6:00pm	74,961	43,234	30,471	23,185	2,010	245	174,106
7:00pm	56,628	33,512	21,955	16,758	1,345	126	130,324
8:00pm	47,273	25,697	15,820	11,218	782	71	100,861
9:00pm	37,599	20,445	13,324	9,126	768	53	81,315
10:00pm	32,250	18,152	11,086	7,719	579	45	69,831
11:00pm	27,981	15,466	7,580	5,227	451	37	56,742
<b>TOTAL</b>	<b>1,418,719</b>	<b>1,080,164</b>	<b>784,666</b>	<b>580,867</b>	<b>41,061</b>	<b>4,521</b>	<b>3,909,998</b>

**TABLE 27**  
**TOTAL PERSONS LEAVING THE HUB BY HOUR AND SECTOR IN 2016**

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	N. J. SECTOR	S. I. SECTOR (FERRY)	ROOSEVELT ISLAND (TRAMWAY)	TOTAL
12:00am	22,171	24,095	16,562	8,319	1,125	33	72,305
1:00am	13,037	11,986	7,559	4,294	727	20	37,623
2:00am	7,308	6,442	4,753	2,243	448	0	21,194
3:00am	5,366	4,437	3,653	1,782	241	0	15,479
4:00am	7,266	4,691	4,183	2,753	178	0	19,071
5:00am	15,244	8,553	7,023	5,264	166	6	36,256
6:00am	37,476	22,047	15,281	11,976	190	55	87,025
7:00am	68,992	34,790	23,829	21,595	768	73	150,047
8:00am	75,816	40,731	24,254	26,283	763	67	167,914
9:00am	58,280	34,389	18,747	21,030	899	116	133,461
10:00am	49,521	27,828	15,987	13,817	761	265	108,179
11:00am	49,469	29,218	17,625	12,398	1,205	190	110,105
12:00pm	51,116	33,189	21,984	13,759	1,830	172	122,050
1:00pm	57,487	38,633	24,648	16,396	1,986	231	139,381
2:00pm	66,783	46,282	34,736	20,533	2,239	324	170,897
3:00pm	86,412	65,514	51,090	29,913	2,436	460	235,825
4:00pm	100,023	78,121	72,971	50,755	3,043	386	305,299
5:00pm	151,291	127,063	112,167	88,844	5,151	551	485,067
6:00pm	137,383	132,552	99,707	86,238	6,831	613	463,324
7:00pm	95,725	92,998	65,974	48,208	4,913	433	308,251
8:00pm	74,153	70,914	48,794	33,668	2,874	300	230,703
9:00pm	61,823	53,874	39,138	25,214	1,975	192	182,216
10:00pm	49,178	40,574	31,099	20,916	1,724	109	143,600
11:00pm	42,961	37,326	24,898	13,569	1,291	88	120,133
<b>TOTAL</b>	<b>1,384,281</b>	<b>1,066,247</b>	<b>786,662</b>	<b>579,767</b>	<b>43,764</b>	<b>4,684</b>	<b>3,865,405</b>

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## **Appendix III**

### **Hourly Detail Tables - 2016**

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## SECTION A BUS TRANSIT BY SECTOR SUMMARY, 2016-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	17	90	1	3	1	23	49	567	68	683
1:00am	2	4	1	2	-	-	29	346	32	352
2:00am	3	6	1	10	-	-	11	185	15	201
3:00am	4	5	1	28	-	-	19	470	24	503
4:00am	3	13	4	153	2	45	33	1,120	42	1,331
5:00am	56	778	38	1,599	3	62	207	8,481	304	10,920
6:00am	143	2,682	94	3,851	51	1,622	559	21,783	847	29,938
7:00am	181	3,909	156	6,162	123	3,822	905	37,997	1,365	51,890
8:00am	169	3,935	155	5,556	127	2,723	1,007	39,050	1,458	51,264
9:00am	138	2,094	55	1,584	56	768	685	21,265	934	25,711
10:00am	116	1,534	20	547	26	185	311	8,966	473	11,232
11:00am	102	1,296	18	413	20	188	234	6,378	374	8,275
12:00pm	104	1,457	15	324	20	96	187	5,217	326	7,094
1:00pm	114	1,488	17	333	19	109	237	5,186	387	7,116
2:00pm	108	1,418	13	313	20	86	303	6,936	444	8,753
3:00pm	116	1,869	15	396	18	102	379	7,893	528	10,260
4:00pm	140	1,858	13	256	19	88	578	11,079	750	13,281
5:00pm	116	1,790	8	128	21	66	539	8,583	684	10,567
6:00pm	118	1,636	6	80	21	43	444	7,647	589	9,406
7:00pm	101	1,040	4	45	18	60	347	6,000	470	7,145
8:00pm	89	715	5	48	14	32	251	4,074	359	4,869
9:00pm	70	471	2	50	15	111	179	2,749	266	3,381
10:00pm	77	448	2	37	11	62	146	1,976	236	2,523
11:00pm	50	408	1	7	3	53	115	1,530	169	1,998
<b>TOTAL</b>	<b>2,137</b>	<b>30,944</b>	<b>645</b>	<b>21,925</b>	<b>608</b>	<b>10,346</b>	<b>7,754</b>	<b>215,478</b>	<b>11,144</b>	<b>278,693</b>

## SUMMARY, 2016-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	31	196	11	199	1	23	95	2,879	138	3,297
1:00am	7	28	-	-	-	-	42	995	49	1,023
2:00am	4	15	2	43	-	-	19	242	25	300
3:00am	4	8	-	-	-	-	12	306	16	314
4:00am	5	9	2	16	2	10	19	646	28	681
5:00am	16	124	-	-	4	6	84	1,620	104	1,750
6:00am	53	700	1	24	6	15	328	5,356	388	6,095
7:00am	93	1,472	4	66	8	31	605	9,628	710	11,197
8:00am	112	1,587	6	111	12	38	778	11,706	908	13,442
9:00am	116	1,060	4	52	16	60	714	10,822	850	11,994
10:00am	115	1,059	6	70	23	61	358	5,514	502	6,704
11:00am	109	1,307	10	95	17	73	228	3,651	364	5,126
12:00pm	106	1,397	14	224	19	105	186	3,521	325	5,247
1:00pm	101	1,480	17	371	18	142	224	4,822	360	6,815
2:00pm	122	1,984	23	649	19	214	211	5,904	375	8,751
3:00pm	118	2,209	45	1,409	21	303	302	10,152	486	14,073
4:00pm	127	2,554	101	2,902	63	1,138	493	19,215	784	25,809
5:00pm	183	4,731	132	4,532	102	2,797	733	30,801	1,150	42,861
6:00pm	155	3,905	119	3,804	91	2,407	817	34,273	1,182	44,389
7:00pm	134	2,505	73	1,853	59	1,136	500	19,429	766	24,923
8:00pm	113	1,667	35	986	32	578	352	12,597	532	15,828
9:00pm	89	1,147	30	810	18	325	254	9,344	391	11,626
10:00pm	78	1,126	17	488	15	212	233	7,911	343	9,737
11:00pm	46	417	9	267	4	86	155	4,295	214	5,065
<b>TOTAL</b>	<b>2,037</b>	<b>32,687</b>	<b>661</b>	<b>18,971</b>	<b>550</b>	<b>9,760</b>	<b>7,742</b>	<b>215,629</b>	<b>10,990</b>	<b>277,047</b>

## Notes:

- Majority of buses crossing at the 60<sup>th</sup> 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.

## SECTION A

# BUS TRANSIT BY ROUTE 60<sup>TH</sup> STREET SECTOR 2016 - 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	25	-	-	2	25	6	37	-	-	6	37	2	9	-	-	-	-	2	9
1:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1
2:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1
3:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1
4:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	1	2
5:00am	1	8	5	24	9	124	14	148	12	124	1	33	13	157	3	37	7	315	2	54	12	406
6:00am	4	52	9	74	19	472	28	546	19	184	3	116	22	300	16	146	37	1,326	3	82	56	1,554
7:00am	7	178	6	105	18	555	24	660	17	341	7	190	24	531	24	378	58	1,592	2	63	84	2,033
8:00am	8	282	7	228	19	751	26	979	17	476	7	108	24	584	33	942	36	551	1	20	70	1,513
9:00am	8	138	7	170	11	314	18	484	17	280	3	35	20	315	28	411	20	235	1	8	49	654
10:00am	8	158	8	163	8	176	16	339	15	199	3	46	18	245	23	269	15	172	1	8	39	449
11:00am	3	57	4	80	8	198	12	278	17	197	2	48	19	245	20	259	14	121	-	-	34	380
12:00pm	5	157	3	69	12	200	15	269	16	203	2	27	18	230	18	317	12	118	1	6	31	441
1:00pm	8	152	6	138	6	110	12	248	16	204	2	24	18	228	24	311	14	193	-	-	38	504
2:00pm	4	105	5	66	15	261	20	327	16	226	2	24	18	250	21	344	11	111	-	-	32	455
3:00pm	6	226	8	214	8	288	16	502	13	218	2	22	15	240	27	437	13	113	-	-	40	550
4:00pm	8	180	5	151	11	199	16	350	21	339	2	14	23	353	36	498	14	110	-	-	50	608
5:00pm	6	169	7	130	10	315	17	445	16	207	2	14	18	221	23	452	11	54	-	-	34	506
6:00pm	9	204	7	159	8	231	15	390	16	191	2	10	18	201	29	416	10	72	-	-	39	488
7:00pm	9	141	5	116	7	189	12	305	17	128	2	53	19	181	20	147	10	33	-	-	30	180
8:00pm	7	68	7	91	3	103	10	194	13	103	1	2	14	105	18	132	8	35	-	-	26	167
9:00pm	5	30	3	56	4	93	7	149	9	66	1	5	10	71	16	73	9	34	-	-	25	107
10:00pm	5	29	6	101	2	51	8	152	13	39	1	2	14	41	13	48	10	76	-	-	23	124
11:00pm	3	36	4	70	-	-	4	70	12	167	-	-	12	167	8	34	-	-	-	-	8	34
<b>TOTAL</b>	<b>114</b>	<b>2,370</b>	<b>114</b>	<b>2,230</b>	<b>178</b>	<b>4,630</b>	<b>292</b>	<b>6,860</b>	<b>298</b>	<b>3,929</b>	<b>45</b>	<b>773</b>	<b>343</b>	<b>4,702</b>	<b>406</b>	<b>5,665</b>	<b>309</b>	<b>5,261</b>	<b>11</b>	<b>241</b>	<b>726</b>	<b>11,167</b>

60<sup>TH</sup> STREET SECTOR 2016- INBOUND (CONT'D)

HOURS	BROADWAY						COLUMBUS AVE		WEST END AVENUE		TOTAL							
	NYCT LOCAL		MTA BUS CO. **		TOTAL		NYCT LOCAL		NYCT LOCAL		NYC TRANSIT		MTA BUS CO.		WCDOT *		ALL BUSES	
	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS
12:00 am	6	14	-	-	6	14	-	-	1	5	17	90	-	-	-	-	17	90
1:00am	1	3	-	-	1	3	-	-	-	-	2	4	-	-	-	-	2	4
2:00am	2	5	-	-	2	5	-	-	-	-	3	6	-	-	-	-	3	6
3:00am	3	4	-	-	3	4	-	-	-	-	4	5	-	-	-	-	4	5
4:00am	2	11	-	-	2	11	-	-	-	-	3	13	-	-	-	-	3	13
5:00am	12	47	-	-	12	47	3	9	1	3	46	376	8	348	2	54	56	778
6:00am	20	95	2	54	22	149	5	32	6	49	98	1,104	42	1,496	3	82	143	2,682
7:00am	24	245	4	72	28	317	7	84	7	106	110	1,992	69	1,854	2	63	181	3,909
8:00am	27	306	2	45	29	351	6	95	6	131	123	3,211	45	704	1	20	169	3,935
9:00am	30	341	2	21	32	362	7	63	4	78	112	1,795	25	291	1	8	138	2,094
10:00am	22	183	2	15	24	198	6	53	5	92	95	1,293	20	233	1	8	116	1,534
11:00am	24	229	2	20	26	249	5	55	3	32	84	1,107	18	189	-	-	102	1,296
12:00pm	23	213	2	26	25	239	6	85	4	36	87	1,280	16	171	1	6	104	1,457
1:00pm	27	248	2	16	29	264	6	57	3	35	96	1,255	18	233	-	-	114	1,488
2:00pm	24	174	2	17	26	191	4	45	4	45	93	1,266	15	152	-	-	108	1,418
3:00pm	29	194	2	17	31	211	5	87	3	53	99	1,717	17	152	-	-	116	1,869
4:00pm	30	212	2	5	32	217	6	77	5	73	122	1,729	18	129	-	-	140	1,858
5:00pm	26	236	2	10	28	246	6	109	7	94	101	1,712	15	78	-	-	116	1,790
6:00pm	26	172	1	1	27	173	4	96	6	84	105	1,553	13	83	-	-	118	1,636
7:00pm	20	136	2	1	22	137	5	61	4	35	87	953	14	87	-	-	101	1,040
8:00pm	25	141	2	5	27	146	2	16	3	19	78	673	11	42	-	-	89	715
9:00pm	16	73	2	3	18	76	3	28	2	10	58	429	12	42	-	-	70	471
10:00pm	16	52	2	-	18	52	3	23	6	27	64	370	13	78	-	-	77	448
11:00pm	16	75	-	-	16	75	3	16	4	10	50	408	-	-	-	-	50	408
TOTAL	451	3,409	35	328	486	3,737	92	1,091	84	1,017	1,737	24,341	389	6,362	11	241	2,137	30,944

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

- See notes on page III-1



# SECTION A

## BUS TRANSIT BY ROUTE 60<sup>TH</sup> STREET SECTOR 2016-OUTBOUND

HOURS	YORK AVENUE		FIRST AVENUE						THIRD AVENUE						MADISON AVENUE							
	NYCT LOCAL		NYCT LOCAL		NYCT EXPRESS		TOTAL		NYCT LOCAL		MTA BUS CO.		TOTAL		NYCT LOCAL		MTA BUS CO.		WCDOT		TOTAL	
	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS
12:00 am	1	4	3	58	-	-	3	58	9	43	-	-	9	43	6	45	-	-	-	-	6	45
1:00am	-	-	-	-	-	-	-	-	4	25	-	-	4	25	-	-	-	-	-	-	-	-
2:00am	-	-	-	-	-	-	-	-	3	12	-	-	3	12	-	-	-	-	-	-	-	-
3:00am	-	-	-	-	-	-	-	-	3	7	-	-	3	7	-	-	-	-	-	-	-	-
4:00am	-	-	-	-	-	-	-	-	3	7	-	-	3	7	-	-	-	-	-	-	-	-
5:00am	1	2	4	75	-	-	4	75	4	13	-	-	4	13	1	3	-	-	-	-	1	3
6:00am	6	79	4	87	6	266	10	353	14	107	1	2	15	109	5	50	2	11	-	-	7	61
7:00am	8	122	6	133	10	511	16	644	16	166	1	1	17	167	14	215	10	51	-	-	24	266
8:00am	6	76	7	120	20	656	27	776	12	209	3	5	15	214	20	230	10	42	-	-	30	272
9:00am	6	69	5	69	15	295	20	364	11	102	1	-	12	102	27	286	15	24	-	-	42	310
10:00am	7	85	7	94	7	223	14	317	19	179	3	7	22	186	23	275	11	29	-	-	34	304
11:00am	4	18	5	117	12	301	17	418	16	208	2	7	18	215	23	322	14	49	-	-	37	371
12:00pm	4	53	6	107	9	277	15	384	15	211	2	6	17	217	19	330	12	52	1	2	32	384
1:00pm	5	55	4	79	7	218	11	297	17	219	2	6	19	225	22	409	8	53	-	-	30	462
2:00pm	7	98	5	115	9	312	14	427	13	232	3	9	16	241	25	514	18	146	1	9	44	669
3:00pm	7	60	6	119	7	465	13	584	15	261	3	19	18	280	24	519	15	221	1	14	40	754
4:00pm	4	83	5	103	8	435	13	538	16	254	4	23	20	277	24	587	27	450	2	48	53	1,085
5:00pm	6	139	9	200	14	758	23	958	16	471	6	45	22	516	37	1,027	48	1,236	2	27	87	2,290
6:00pm	10	139	6	195	7	278	13	473	16	474	3	18	19	492	33	829	40	1,233	2	60	75	2,122
7:00pm	7	132	6	141	10	402	16	543	16	321	4	18	20	339	21	358	29	627	1	16	51	1,001
8:00pm	5	59	7	95	9	253	16	348	16	250	3	15	19	265	15	219	20	404	1	22	36	645
9:00pm	5	61	5	77	7	189	12	266	14	131	1	4	15	135	13	176	12	238	-	-	25	414
10:00pm	4	62	6	64	4	175	10	239	10	91	3	12	13	103	14	187	12	250	-	-	26	437
11:00pm	3	26	5	77	-	-	5	77	7	63	-	-	7	63	10	102	-	-	-	-	10	102
TOTAL	106	1,422	111	2,125	161	6,014	272	8,139	285	4,056	45	197	330	4,253	376	6,683	303	5,116	11	198	690	11,997

## 60<sup>TH</sup> STREET SECTOR 2016-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	4	6	6	36	-	-	6	36	1	2	1	2	31	196	-	-	-	-	31	196
1:00am	1	1	2	2	-	-	2	2	-	-	-	-	7	28	-	-	-	-	7	28
2:00am	-	-	1	3	-	-	1	3	-	-	-	-	4	15	-	-	-	-	4	15
3:00am	-	-	1	1	-	-	1	1	-	-	-	-	4	8	-	-	-	-	4	8
4:00am	-	-	2	2	-	-	2	2	-	-	-	-	5	9	-	-	-	-	5	9
5:00am	2	15	2	15	-	-	2	15	-	-	2	1	16	124	-	-	-	-	16	124
6:00am	3	9	8	34	-	-	8	34	3	43	1	12	50	687	3	13	-	-	53	700
7:00am	5	20	12	97	1	-	13	97	5	114	5	42	81	1,420	12	52	-	-	93	1,472
8:00am	7	21	15	89	2	-	17	89	6	108	4	31	97	1,540	15	47	-	-	112	1,587
9:00am	9	31	14	69	2	1	16	70	5	94	6	20	98	1,035	18	25	-	-	116	1,060
10:00am	8	15	16	94	2	2	18	96	6	29	6	27	99	1,021	16	38	-	-	115	1,059
11:00am	5	33	15	125	1	-	16	125	7	105	5	22	92	1,251	17	56	-	-	109	1,307
12:00pm	7	46	20	180	3	-	23	180	5	101	3	32	88	1,337	17	58	1	2	106	1,397
1:00pm	9	67	18	221	1	6	19	227	6	129	2	18	90	1,415	11	65	-	-	101	1,480
2:00pm	8	74	20	243	2	2	22	245	6	159	5	71	98	1,818	23	157	1	9	122	1,984
3:00pm	7	64	19	290	3	14	22	304	6	116	5	47	96	1,941	21	254	1	14	118	2,209
4:00pm	9	58	16	301	2	26	18	327	4	121	6	65	92	2,007	33	499	2	48	127	2,554
5:00pm	9	76	22	466	2	39	24	505	6	148	6	99	125	3,384	56	1,320	2	27	183	4,731
6:00pm	8	70	14	325	4	37	18	362	5	107	7	140	106	2,557	47	1,288	2	60	155	3,905
7:00pm	6	32	20	249	3	23	23	272	5	130	6	56	97	1,821	36	668	1	16	134	2,505
8:00pm	8	33	17	184	2	25	19	209	4	60	6	48	87	1,201	25	444	1	22	113	1,667
9:00pm	7	41	17	144	2	9	19	153	4	44	2	33	74	896	15	251	-	-	89	1,147
10:00pm	7	74	10	145	2	10	12	155	2	27	4	29	61	854	17	272	-	-	78	1,126
11:00pm	6	18	9	104	-	-	9	104	2	16	4	11	46	417	-	-	-	-	46	417
TOTAL	135	804	296	3,419	34	194	330	3,613	88	1,653	86	806	1,644	26,982	382	5,507	11	198	2,037	32,687

\* WCDOT refers to Bee-Line buses operated by the Westchester County Department of Transportation.  
- See notes on page III-1

## SECTION A

# BUS TRANSIT BY ROUTE BROOKLYN SECTOR 2016-INBOUND

HOURS	HUGH L. CAREY TUNNEL(Express)						WILLIAMSBURG BRIDGE (Local)				TOTAL					
	NYC Transit		MTA Bus Co		TOTAL		NYC Transit		TOTAL		NYC Transit		MTA Bus Co		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	1	3	-	-	1	3	-	-	-	-	1	3	-	-	1	3
1:00am	1	2	-	-	1	2	-	-	-	-	1	2	-	-	1	2
2:00am	1	10	-	-	1	10	-	-	-	-	1	10	-	-	1	10
3:00am	1	28	-	-	1	28	-	-	-	-	1	28	-	-	1	28
4:00am	4	153	-	-	4	153	-	-	-	-	4	153	-	-	4	153
5:00am	36	1,516	2	83	38	1,599	-	-	-	-	36	1,516	2	83	38	1,599
6:00am	85	3,480	9	371	94	3,851	-	-	-	-	85	3,480	9	371	94	3,851
7:00am	134	5,336	20	814	154	6,150	2	12	2	12	136	5,348	20	814	156	6,162
8:00am	128	4,800	25	738	153	5,538	2	18	2	18	130	4,818	25	738	155	5,556
9:00am	44	1,430	8	142	52	1,572	3	12	3	12	47	1,442	8	142	55	1,584
10:00am	14	499	5	44	19	543	1	4	1	4	15	503	5	44	20	547
11:00am	12	381	3	20	15	401	3	12	3	12	15	393	3	20	18	413
12:00pm	10	287	4	29	14	316	1	8	1	8	11	295	4	29	15	324
1:00pm	10	308	4	20	14	328	3	5	3	5	13	313	4	20	17	333
2:00pm	10	296	2	16	12	312	1	1	1	1	11	297	2	16	13	313
3:00pm	10	379	3	13	13	392	2	4	2	4	12	383	3	13	15	396
4:00pm	10	246	1	6	11	252	2	4	2	4	12	250	1	6	13	256
5:00pm	6	123	-	-	6	123	2	5	2	5	8	128	-	-	8	128
6:00pm	4	73	-	-	4	73	2	7	2	7	6	80	-	-	6	80
7:00pm	2	42	-	-	2	42	2	3	2	3	4	45	-	-	4	45
8:00pm	2	34	-	-	2	34	3	14	3	14	5	48	-	-	5	48
9:00pm	2	50	-	-	2	50	-	-	-	-	2	50	-	-	2	50
10:00pm	2	37	-	-	2	37	-	-	-	-	2	37	-	-	2	37
11:00pm	1	7	-	-	1	7	-	-	-	-	1	7	-	-	1	7
<b>TOTAL</b>	<b>530</b>	<b>19,520</b>	<b>86</b>	<b>2,296</b>	<b>616</b>	<b>21,816</b>	<b>29</b>	<b>109</b>	<b>29</b>	<b>109</b>	<b>559</b>	<b>19,629</b>	<b>86</b>	<b>2,296</b>	<b>645</b>	<b>21,925</b>

# BROOKLYN SECTOR 2016-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	11	199	-	-	11	199	-	-	-	-	11	199	-	-	11	199
1:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00am	2	43	-	-	2	43	-	-	-	-	2	43	-	-	2	43
3:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00am	2	16	-	-	2	16	-	-	-	-	2	16	-	-	2	16
5:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00am	1	24	-	-	1	24	-	-	-	-	1	24	-	-	1	24
7:00am	2	59	-	-	2	59	2	7	2	7	4	66	-	-	4	66
8:00am	4	98	-	-	4	98	2	13	2	13	6	111	-	-	6	111
9:00am	3	47	-	-	3	47	1	5	1	5	4	52	-	-	4	52
10:00am	5	61	-	-	5	61	1	9	1	9	6	70	-	-	6	70
11:00am	6	81	1	2	7	83	3	12	3	12	9	93	1	2	10	95
12:00pm	8	191	4	10	12	201	2	23	2	23	10	214	4	10	14	224
1:00pm	11	342	4	23	15	365	2	6	2	6	13	348	4	23	17	371
2:00pm	18	617	3	16	21	633	2	16	2	16	20	633	3	16	23	649
3:00pm	38	1,323	5	64	43	1,387	2	22	2	22	40	1,345	5	64	45	1,409
4:00pm	82	2,628	17	254	99	2,882	2	20	2	20	84	2,648	17	254	101	2,902
5:00pm	111	4,187	20	331	131	4,518	1	14	1	14	112	4,201	20	331	132	4,532
6:00pm	103	3,563	15	224	118	3,787	1	17	1	17	104	3,580	15	224	119	3,804
7:00pm	60	1,713	11	116	71	1,829	2	24	2	24	62	1,737	11	116	73	1,853
8:00pm	26	917	7	62	33	979	2	7	2	7	28	924	7	62	35	986
9:00pm	24	771	5	37	29	808	1	2	1	2	25	773	5	37	30	810
10:00pm	14	467	3	21	17	488	-	-	-	-	14	467	3	21	17	488
11:00pm	9	267	-	-	9	267	-	-	-	-	9	267	-	-	9	267
<b>TOTAL</b>	<b>540</b>	<b>17,614</b>	<b>95</b>	<b>1,160</b>	<b>635</b>	<b>18,774</b>	<b>26</b>	<b>197</b>	<b>26</b>	<b>197</b>	<b>566</b>	<b>17,811</b>	<b>95</b>	<b>1,160</b>	<b>661</b>	<b>18,971</b>

See the notes on page III-1

## SECTION A

# BUS TRANSIT BY ROUTE QUEENS SECTOR 2016-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	1	23	-	-	1	23	-	-	-	-	-	-	1	23	-	-	1	23
1:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00am	-	-	2	45	2	45	-	-	-	-	-	-	-	-	2	45	2	45
5:00am	-	-	3	62	3	62	-	-	-	-	-	-	-	-	3	62	3	62
6:00am	4	45	4	65	8	110	4	159	39	1,353	43	1,512	8	204	43	1,418	51	1,622
7:00am	3	51	3	66	6	117	10	315	107	3,390	117	3,705	13	366	110	3,456	123	3,822
8:00am	6	89	7	75	13	164	13	287	101	2,272	114	2,559	19	376	108	2,347	127	2,723
9:00am	4	14	6	35	10	49	4	55	42	664	46	719	8	69	48	699	56	768
10:00am	3	17	9	65	12	82	-	-	14	103	14	103	3	17	23	168	26	185
11:00am	6	52	5	24	11	76	-	-	9	112	9	112	6	52	14	136	20	188
12:00pm	6	29	5	24	11	53	-	-	9	43	9	43	6	29	14	67	20	96
1:00pm	5	37	6	33	11	70	-	-	8	39	8	39	5	37	14	72	19	109
2:00pm	8	44	4	16	12	60	-	-	8	26	8	26	8	44	12	42	20	86
3:00pm	5	42	7	36	12	78	-	-	6	24	6	24	5	42	13	60	18	102
4:00pm	4	29	7	21	11	50	-	-	8	38	8	38	4	29	15	59	19	88
5:00pm	8	30	6	19	14	49	-	-	7	17	7	17	8	30	13	36	21	66
6:00pm	6	16	9	11	15	27	-	-	6	16	6	16	6	16	15	27	21	43
7:00pm	5	28	7	21	12	49	-	-	6	11	6	11	5	28	13	32	18	60
8:00pm	5	12	4	15	9	27	-	-	5	5	5	5	5	12	9	20	14	32
9:00pm	5	87	5	18	10	105	-	-	5	6	5	6	5	87	10	24	15	111
10:00pm	5	51	3	9	8	60	-	-	3	2	3	2	5	51	6	11	11	62
11:00pm	3	53	-	-	3	53	-	-	-	-	-	-	3	53	-	-	3	53
TOTAL	92	749	102	660	194	1,409	31	816	383	8,121	414	8,937	123	1,565	485	8,781	608	10,346

## QUEENS SECTOR 2016-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	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	1	23	-	-	-	-	-	-	1	23	-	-	-	-	1	23	-	-
1:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00am	-	-	-	-	2	10	-	-	2	10	-	-	-	-	-	-	2	10
5:00am	1	1	-	-	3	5	-	-	4	6	-	-	-	-	1	1	3	5
6:00am	2	5	-	-	4	10	-	-	6	15	-	-	-	-	2	5	4	10
7:00am	4	22	-	-	4	9	-	-	8	31	-	-	-	-	4	22	4	9
8:00am	4	17	-	-	4	10	4	11	12	38	-	-	-	-	4	17	8	21
9:00am	3	22	-	-	6	24	7	14	16	60	-	-	-	-	3	22	13	38
10:00am	6	27	-	-	8	17	9	17	23	61	-	-	-	-	6	27	17	34
11:00am	2	23	-	-	7	25	8	25	17	73	-	-	-	-	2	23	15	50
12:00pm	4	33	-	-	6	40	8	28	18	101	1	4	1	4	4	33	15	72
1:00pm	4	37	-	-	6	63	7	34	17	134	1	8	1	8	4	37	14	105
2:00pm	5	65	-	-	4	33	9	106	18	204	1	10	1	10	5	65	14	149
3:00pm	5	80	-	-	5	54	8	104	18	238	3	65	3	65	5	80	16	223
4:00pm	6	79	5	110	6	107	39	657	56	953	7	185	7	185	11	189	52	949
5:00pm	8	156	10	312	8	126	61	1,703	87	2,297	15	500	15	500	18	468	84	2,329
6:00pm	6	148	9	270	8	155	56	1,508	79	2,081	12	326	12	326	15	418	76	1,989
7:00pm	8	118	5	94	4	66	36	736	53	1,014	6	122	6	122	13	212	46	924
8:00pm	6	109	-	-	9	80	12	344	27	533	5	45	5	45	6	109	26	469
9:00pm	6	82	-	-	4	35	7	188	17	305	1	20	1	20	6	82	12	243
10:00pm	5	75	-	-	3	39	6	84	14	198	1	14	1	14	5	75	10	137
11:00pm	4	86	-	-	-	-	-	-	4	86	-	-	-	-	4	86	-	-
TOTAL	90	1,208	29	786	101	908	277	5,559	497	8,461	53	1,299	53	1,299	119	1,994	431	7,766

See the notes on page III-1

# SECTION A

## BUS TRANSIT BY ROUTE NEW JERSEY SECTOR 2016-INBOUND

HOURS	HOLLAND TUNNEL		LINCOLN TUNNEL		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	3	35	46	532	49	567
1:00am	1	12	28	334	29	346
2:00am	2	34	9	151	11	185
3:00am	3	74	16	396	19	470
4:00am	7	238	26	882	33	1,120
5:00am	21	728	186	7,753	207	8,481
6:00am	52	1,947	507	19,836	559	21,783
7:00am	58	2,119	847	35,878	905	37,997
8:00am	80	2,919	927	36,131	1,007	39,050
9:00am	61	2,114	624	19,151	685	21,265
10:00am	28	807	283	8,159	311	8,966
11:00am	15	409	219	5,969	234	6,378
12:00pm	13	363	174	4,854	187	5,217
1:00pm	19	416	218	4,770	237	5,186
2:00pm	27	618	276	6,318	303	6,936
3:00pm	42	875	337	7,018	379	7,893
4:00pm	60	1,150	518	9,929	578	11,079
5:00pm	40	637	499	7,946	539	8,583
6:00pm	31	534	413	7,113	444	7,647
7:00pm	23	398	324	5,602	347	6,000
8:00pm	16	260	235	3,814	251	4,074
9:00pm	10	154	169	2,595	179	2,749
10:00pm	9	122	137	1,854	146	1,976
11:00pm	9	120	106	1,410	115	1,530
<b>TOTAL</b>	<b>630</b>	<b>17,083</b>	<b>7,124</b>	<b>198,395</b>	<b>7,754</b>	<b>215,478</b>

## NEW JERSEY SECTOR 2016-OUTBOUND (1)

HOURS	HOLLAND TUNNEL		LINCOLN TUNNEL		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	2	61	93	2,818	95	2,879
1:00am	3	71	39	924	42	995
2:00am	0	-	19	242	19	242
3:00am	0	-	12	306	12	306
4:00am	1	34	18	612	19	646
5:00am	10	193	74	1,427	84	1,620
6:00am	24	392	304	4,964	328	5,356
7:00am	32	509	573	9,119	605	9,628
8:00am	71	1,068	707	10,638	778	11,706
9:00am	65	985	649	9,837	714	10,822
10:00am	30	462	328	5,052	358	5,514
11:00am	9	144	219	3,507	228	3,651
12:00pm	15	284	171	3,237	186	3,521
1:00pm	18	162	206	4,660	224	4,822
2:00pm	16	341	195	5,563	211	5,904
3:00pm	26	895	276	9,257	302	10,152
4:00pm	32	1,062	461	18,153	493	19,215
5:00pm	54	1,957	679	28,844	733	30,801
6:00pm	54	1,823	763	32,450	817	34,273
7:00pm	30	915	470	18,514	500	19,429
8:00pm	31	682	321	11,915	352	12,597
9:00pm	18	662	236	8,682	254	9,344
10:00pm	15	509	218	7,402	233	7,911
11:00pm	16	443	139	3,852	155	4,295
<b>TOTAL</b>	<b>572</b>	<b>13,654</b>	<b>7,170</b>	<b>201,975</b>	<b>7,742</b>	<b>215,629</b>

(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 PANYNJ 2015 Continuous Bus Survey.

# SECTION A

## EXPRESS BUS RIDERSHIP BY SECTOR AND OPERATOR

### INBOUND EXPRESS ONLY

### 2016

HOURS	60TH ST SECTOR						BROOKLYN SECTOR						QUEENS SECTOR						N. J. SECTOR		TOTAL ALL SECTORS	
	NYC TRANSIT		MTA BUS CO.		WCDOT		NYC TRANSIT		MTA BUS CO.		NYC TRANSIT		MTA BUS CO.		OTHER OPERATORS				BUSES	PSGRS	BUSES	PSGRS
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS				
12:00am	-	-	-	-	-	-	1	3	-	-	-	-	-	-	49	567	50	570				
1:00am	-	-	-	-	-	-	1	2	-	-	-	-	-	-	29	346	30	348				
2:00am	-	-	-	-	-	-	1	10	-	-	-	-	-	-	11	185	12	195				
3:00am	-	-	-	-	-	-	1	28	-	-	-	-	-	-	19	470	20	498				
4:00am	-	-	-	-	-	-	4	153	-	-	-	-	-	-	33	1,120	37	1,273				
5:00am	9	124	8	348	2	54	36	1,516	2	83	-	-	-	-	207	8,481	264	10,606				
6:00am	19	472	42	1,496	3	82	85	3,480	9	371	4	159	39	1,353	559	21,783	760	29,196				
7:00am	18	555	69	1,854	2	63	134	5,336	20	814	10	315	107	3,390	905	37,997	1,265	50,324				
8:00am	19	751	45	704	1	20	128	4,800	25	738	13	287	101	2,272	1,007	39,050	1,339	48,622				
9:00am	11	314	25	291	1	8	44	1,430	8	142	4	55	42	664	685	21,265	820	24,169				
10:00am	8	176	20	233	1	8	14	499	5	44	-	-	14	103	311	8,966	373	10,029				
11:00am	8	198	18	189	-	-	12	381	3	20	-	-	9	112	234	6,378	284	7,278				
12:00pm	12	200	16	171	1	6	10	287	4	29	-	-	9	43	187	5,217	239	5,953				
1:00pm	6	110	18	233	-	-	10	308	4	20	-	-	8	39	237	5,186	283	5,896				
2:00pm	15	261	15	152	-	-	10	296	2	16	-	-	8	26	303	6,936	353	7,687				
3:00pm	8	288	17	152	-	-	10	379	3	13	-	-	6	24	379	7,893	423	8,749				
4:00pm	11	199	18	129	-	-	10	246	1	6	-	-	8	38	578	11,079	626	11,697				
5:00pm	10	315	15	78	-	-	6	123	-	-	-	-	7	17	539	8,583	577	9,116				
6:00pm	8	231	13	83	-	-	4	73	-	-	-	-	6	16	444	7,647	475	8,050				
7:00pm	7	189	14	87	-	-	2	42	-	-	-	-	6	11	347	6,000	376	6,329				
8:00pm	3	103	11	42	-	-	2	34	-	-	-	-	5	5	251	4,074	272	4,258				
9:00pm	4	93	12	42	-	-	2	50	-	-	-	-	5	6	179	2,749	202	2,940				
10:00pm	2	51	13	78	-	-	2	37	-	-	-	-	3	2	146	1,976	166	2,144				
11:00pm	-	-	-	-	-	-	1	7	-	-	-	-	-	-	115	1,530	116	1,537				
<b>TOTAL</b>	<b>178</b>	<b>4,630</b>	<b>389</b>	<b>6,362</b>	<b>11</b>	<b>241</b>	<b>530</b>	<b>19,520</b>	<b>86</b>	<b>2,296</b>	<b>31</b>	<b>816</b>	<b>383</b>	<b>8,121</b>	<b>7,754</b>	<b>215,478</b>	<b>9,362</b>	<b>257,464</b>				

# EXPRESS BUS RIDERSHIP BY SECTOR AND OPERATOR

## OUTBOUND EXPRESS ONLY

### 2016

HOURS	60TH ST SECTOR						BROOKLYN SECTOR						QUEENS SECTOR						N. J. SECTOR		TOTAL ALL SECTORS	
	NYC TRANSIT		MTA BUS CO.		WCDOT		NYC TRANSIT		MTA BUS CO.		NYC TRANSIT		MTA BUS CO.		OTHER OPERATORS				BUSES	PSGRS	BUSES	PSGRS
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS				
12:00am	-	-	-	-	-	-	11	199	-	-	-	-	-	-	95	2,879	106	3,078				
1:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	995	42	995				
2:00am	-	-	-	-	-	-	2	43	-	-	-	-	-	-	19	242	21	285				
3:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	306	12	306				
4:00am	-	-	-	-	-	-	2	16	-	-	-	-	-	-	19	646	21	662				
5:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84	1,620	84	1,620				
6:00am	6	266	3	13	-	-	1	24	-	-	-	-	-	-	328	5,356	338	5,659				
7:00am	10	511	12	52	-	-	2	59	-	-	-	-	-	-	605	9,628	629	10,250				
8:00am	20	656	15	47	-	-	4	98	-	-	-	-	4	11	778	11,706	821	12,518				
9:00am	15	295	18	25	-	-	3	47	-	-	-	-	7	14	714	10,822	757	11,203				
10:00am	7	223	16	38	-	-	5	61	-	-	-	-	9	17	358	5,514	395	5,853				
11:00am	12	301	17	56	-	-	6	81	1	2	-	-	8	25	228	3,651	272	4,116				
12:00pm	9	277	17	58	1	2	8	191	4	10	-	-	9	32	186	3,521	234	4,091				
1:00pm	7	218	11	65	-	-	11	342	4	23	-	-	8	42	224	4,822	265	5,512				
2:00pm	9	312	23	157	1	9	18	617	3	16	-	-	10	116	211	5,904	275	7,131				
3:00pm	7	465	21	254	1	14	38	1,323	5	64	-	-	11	169	302	10,152	385	12,441				
4:00pm	8	435	33	499	2	48	82	2,628	17	254	5	110	46	842	493	19,215	686	24,031				
5:00pm	14	758	56	1,320	2	27	111	4,187	20	331	10	312	76	2,203	733	30,801	1,022	39,939				
6:00pm	7	278	47	1,288	2	60	103	3,563	15	224	9	270	68	1,834	817	34,273	1,068	41,790				
7:00pm	10	402	36	668	1	16	60	1,713	11	116	5	94	42	858	500	19,429	665	23,296				
8:00pm	9	253	25	444	1	22	26	917	7	62	-	-	17	389	352	12,597	437	14,684				
9:00pm	7	189	15	251	-	-	24	771	5	37	-	-	8	208	254	9,344	313	10,800				
10:00pm	4	175	17	272	-	-	14	467	3	21	-	-	7	98	233	7,911	278	8,944				
11:00pm	-	-	-	-	-	-	9	267	-	-	-	-	-	-	155	4,295	164	4,562				
<b>TOTAL</b>	<b>161</b>	<b>6,014</b>	<b>382</b>	<b>5,507</b>	<b>11</b>	<b>198</b>	<b>540</b>	<b>17,614</b>	<b>95</b>	<b>1,160</b>	<b>29</b>	<b>786</b>	<b>330</b>	<b>6,858</b>	<b>7,742</b>	<b>215,629</b>	<b>9,290</b>	<b>253,766</b>				

- Notes:
- Majority of buses crossing at the 60<sup>th</sup> 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.

# SECTION A MTA BUS CO. EXPRESS BUS RIDERSHIP BY ROUTE - ORIGINAL DATA 2016

Route	Daily	12am-6am	6am-9am	9am-4pm	4pm-7pm	7pm-12am
BM1	1,259	53	682	145	303	76
BM2	800	0	421	85	200	94
BM3	759	30	412	121	147	49
BM4	638	0	408	48	165	17
BM5	665	0	253	90	252	70
BxM1	970	33	422	280	124	111
BxM10	1,417	0	479	275	460	203
BxM11	814	12	272	133	244	153
BxM18	238	0	138	0	79	21
BxM2	522	0	171	157	118	76
BxM3	620	0	286	143	115	76
BXM4	340	0	109	69	119	43
BxM6	624	0	244	56	241	83
BXM7	2,766	163	765	432	712	694
BxM8	1,403	0	487	186	515	215
BxM9	2,155	140	793	343	670	209
QM1	283	0	175	0	73	35
QM10	173	0	103	10	52	8
QM11	409	0	219	36	138	16
QM12	144	0	80	17	40	7
QM15	1,319	0	557	110	548	104
QM16	514	0	301	0	188	25
QM17	392	0	228	0	122	42
QM18	223	0	112	9	86	16
QM2	1,408	0	458	238	409	303
QM20	1,169	0	493	104	446	126
QM21	251	0	99	25	72	55
QM24	667	0	492	22	128	25
QM25	410	0	247	0	156	7
QM3	172	0	101	0	71	0
QM31	180	0	83	0	97	0
QM32	520	0	207	36	251	26
QM34	695	0	400	39	242	14
QM35	627	0	318	139	152	18
QM36	296	0	196	0	100	0
QM4	422	0	182	56	87	97
QM40	136	0	60	8	64	4
QM42	112	0	53	4	47	8
QM44	216	0	80	17	119	0
QM5	1,281	0	384	230	335	332
QM6	756	0	287	128	210	131
QM7	833	0	477	108	215	33
QM8	706	0	381	0	250	75
Total	30,304	431	13,115	3,899	9,162	3,697

## SECTION B

### SUBWAY BY SECTOR SUMMARY, 2016-INBOUND

HOURS	60TH STREET SECTOR			BROOKLYN SECTOR			QUEENS SECTOR			NEW JERSEY SECTOR			ALL SECTORS		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	30	286	3,921	36	322	2,970	15	154	1,312	3	22	106	84	784	8,309
1:00am	15	144	1,113	31	282	1,545	14	143	834	4	30	60	64	599	3,552
2:00am	24	224	1,409	25	228	981	11	113	580	3	23	61	63	588	3,031
3:00am	22	208	1,355	28	256	1,353	13	134	922	3	22	138	66	620	3,768
4:00am	22	208	3,374	25	228	3,715	12	123	2,402	4	30	497	63	589	9,988
5:00am	37	350	14,928	40	358	13,411	22	222	10,828	7	53	2,886	106	983	42,053
6:00am	66	618	39,174	84	744	45,238	54	527	30,843	25	189	7,943	229	2,078	123,198
7:00am	93	884	81,535	121	1,078	90,844	74	732	59,756	43	324	20,890	331	3,018	253,025
8:00am	116	1,100	126,974	154	1,368	155,830	82	810	90,207	49	368	32,997	401	3,646	406,008
9:00am	90	846	76,589	128	1,150	105,376	72	713	63,579	36	271	16,156	326	2,980	261,700
10:00am	85	794	46,364	107	958	52,684	53	520	30,999	21	156	5,740	266	2,428	135,787
11:00am	78	732	34,311	102	920	38,348	47	458	20,650	21	156	3,994	248	2,266	97,303
12:00pm	82	772	34,508	107	958	33,733	56	547	18,899	21	156	3,229	266	2,433	90,369
1:00pm	81	756	34,372	101	904	32,634	52	505	17,652	21	156	3,017	255	2,321	87,675
2:00pm	78	734	38,802	108	964	35,979	55	538	19,626	22	164	2,976	263	2,400	97,383
3:00pm	91	856	51,969	115	1,038	37,753	57	559	22,650	25	188	3,154	288	2,641	115,526
4:00pm	103	960	56,515	122	1,106	37,245	67	654	23,181	33	249	4,945	325	2,969	121,886
5:00pm	101	938	60,172	129	1,164	44,590	81	800	26,206	45	339	8,603	356	3,241	139,571
6:00pm	90	840	46,184	108	976	32,834	73	719	18,762	39	292	5,699	310	2,827	103,479
7:00pm	83	776	30,214	111	994	23,572	66	646	11,763	25	187	2,567	285	2,603	68,116
8:00pm	77	720	23,199	114	1,018	15,821	58	573	7,624	23	172	1,379	272	2,483	48,023
9:00pm	61	566	15,560	100	892	10,815	50	488	5,793	19	142	884	230	2,088	33,052
10:00pm	44	408	11,428	75	668	8,991	44	432	4,826	16	120	617	179	1,628	25,862
11:00pm	35	332	10,259	58	526	7,385	27	273	2,808	5	38	284	125	1,169	20,736
<b>TOTAL</b>	<b>1,604</b>	<b>15,052</b>	<b>844,229</b>	<b>2,129</b>	<b>19,100</b>	<b>833,647</b>	<b>1,155</b>	<b>11,383</b>	<b>492,702</b>	<b>513</b>	<b>3,847</b>	<b>128,822</b>	<b>5,401</b>	<b>49,382</b>	<b>2,299,400</b>

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, 2016-OUTBOUND

HOURS	60TH STREET SECTOR			BROOKLYN SECTOR			QUEENS SECTOR			NEW JERSEY SECTOR			ALL SECTORS		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	26	246	10,546	36	328	14,422	20	207	9,110	3	22	1,089	85	803	35,167
1:00am	26	238	6,040	29	262	6,364	9	92	2,830	4	30	434	68	622	15,668
2:00am	19	178	2,873	22	202	2,689	12	123	1,905	3	23	295	56	526	7,762
3:00am	17	160	1,256	27	246	1,522	13	133	1,253	3	22	154	60	561	4,185
4:00am	19	176	1,689	26	238	1,441	13	133	1,353	4	30	183	62	577	4,666
5:00am	26	244	5,253	34	312	3,418	15	155	2,723	4	31	440	79	742	11,834
6:00am	40	372	19,881	79	716	14,001	42	417	9,016	22	167	1,487	183	1,672	44,385
7:00am	72	664	44,399	112	1,010	25,367	66	659	16,248	40	302	4,215	290	2,635	90,229
8:00am	99	922	50,806	138	1,238	30,670	71	701	17,169	47	353	7,259	355	3,214	105,904
9:00am	106	1,004	35,819	138	1,244	24,680	75	736	13,091	38	284	3,542	357	3,268	77,132
10:00am	91	852	27,509	108	976	18,393	59	577	9,342	22	164	1,530	280	2,569	56,774
11:00am	86	812	27,422	105	936	19,356	52	508	10,098	21	156	1,484	264	2,412	58,360
12:00pm	82	772	28,181	103	926	23,099	51	496	12,876	21	156	1,954	257	2,350	66,110
1:00pm	79	742	33,108	111	994	28,218	52	512	14,663	21	156	2,368	263	2,404	78,357
2:00pm	77	722	39,691	106	952	34,330	56	544	21,351	21	156	3,282	260	2,374	98,654
3:00pm	84	784	55,323	103	920	51,717	57	565	31,318	23	172	5,701	267	2,441	144,059
4:00pm	81	760	62,586	111	1,002	61,118	68	667	46,949	34	259	11,330	294	2,688	181,983
5:00pm	107	1,010	94,098	139	1,246	107,780	80	789	70,607	47	354	24,487	373	3,399	296,972
6:00pm	95	896	86,165	123	1,100	112,954	71	701	67,336	41	308	21,725	330	3,005	288,180
7:00pm	81	764	57,088	120	1,076	76,374	64	636	43,751	29	217	12,095	294	2,693	189,308
8:00pm	85	798	43,266	107	956	55,602	65	633	32,696	23	172	8,418	280	2,559	139,982
9:00pm	84	786	33,324	95	838	39,635	57	557	25,195	21	157	5,404	257	2,338	103,558
10:00pm	52	488	23,538	77	678	27,167	45	439	19,355	16	120	3,700	190	1,725	73,760
11:00pm	43	406	23,136	58	522	24,853	41	398	14,914	8	59	2,345	150	1,385	65,248
<b>TOTAL</b>	<b>1,577</b>	<b>14,796</b>	<b>812,997</b>	<b>2,107</b>	<b>18,918</b>	<b>805,170</b>	<b>1,154</b>	<b>11,378</b>	<b>495,149</b>	<b>516</b>	<b>3,870</b>	<b>124,921</b>	<b>5,354</b>	<b>48,962</b>	<b>2,238,237</b>

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, 2016-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	30	286	3,921	36	322	2,970	15	154	1,312	81	762	8,203
1:00am	15	144	1,113	31	282	1,545	14	143	834	60	569	3,492
2:00am	24	224	1,409	25	228	981	11	113	580	60	565	2,970
3:00am	22	208	1,355	28	256	1,353	13	134	922	63	598	3,630
4:00am	22	208	3,374	25	228	3,715	12	123	2,402	59	559	9,491
5:00am	37	350	14,928	40	358	13,411	22	222	10,828	99	930	39,167
6:00am	66	618	39,174	84	744	45,238	54	527	30,843	204	1,889	115,255
7:00am	93	884	81,535	121	1,078	90,844	74	732	59,756	288	2,694	232,135
8:00am	116	1,100	126,974	154	1,368	155,830	82	810	90,207	352	3,278	373,011
9:00am	90	846	76,589	128	1,150	105,376	72	713	63,579	290	2,709	245,544
10:00am	85	794	46,364	107	958	52,684	53	520	30,999	245	2,272	130,047
11:00am	78	732	34,311	102	920	38,348	47	458	20,650	227	2,110	93,309
12:00pm	82	772	34,508	107	958	33,733	56	547	18,899	245	2,277	87,140
1:00pm	81	756	34,372	101	904	32,634	52	505	17,652	234	2,165	84,658
2:00pm	78	734	38,802	108	964	35,979	55	538	19,626	241	2,236	94,407
3:00pm	91	856	51,969	115	1,038	37,753	57	559	22,650	263	2,453	112,372
4:00pm	103	960	56,515	122	1,106	37,245	67	654	23,181	292	2,720	116,941
5:00pm	101	938	60,172	129	1,164	44,590	81	800	26,206	311	2,902	130,968
6:00pm	90	840	46,184	108	976	32,834	73	719	18,762	271	2,535	97,780
7:00pm	83	776	30,214	111	994	23,572	66	646	11,763	260	2,416	65,549
8:00pm	77	720	23,199	114	1,018	15,821	58	573	7,624	249	2,311	46,644
9:00pm	61	566	15,560	100	892	10,815	50	488	5,793	211	1,946	32,168
10:00pm	44	408	11,428	75	668	8,991	44	432	4,826	163	1,508	25,245
11:00pm	35	332	10,259	58	526	7,385	27	273	2,808	120	1,131	20,452
<b>TOTAL</b>	<b>1,604</b>	<b>15,052</b>	<b>844,229</b>	<b>2,129</b>	<b>19,100</b>	<b>833,647</b>	<b>1,155</b>	<b>11,383</b>	<b>492,702</b>	<b>4,888</b>	<b>45,535</b>	<b>2,170,578</b>

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, 2016-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	26	246	10,546	36	328	14,422	20	207	9,110	82	781	34,078
1:00am	26	238	6,040	29	262	6,364	9	92	2,830	64	592	15,234
2:00am	19	178	2,873	22	202	2,689	12	123	1,905	53	503	7,467
3:00am	17	160	1,256	27	246	1,522	13	133	1,253	57	539	4,031
4:00am	19	176	1,689	26	238	1,441	13	133	1,353	58	547	4,483
5:00am	26	244	5,253	34	312	3,418	15	155	2,723	75	711	11,394
6:00am	40	372	19,881	79	716	14,001	42	417	9,016	161	1,505	42,898
7:00am	72	664	44,399	112	1,010	25,367	66	659	16,248	250	2,333	86,014
8:00am	99	922	50,806	138	1,238	30,670	71	701	17,169	308	2,861	98,645
9:00am	106	1,004	35,819	138	1,244	24,680	75	736	13,091	319	2,984	73,590
10:00am	91	852	27,509	108	976	18,393	59	577	9,342	258	2,405	55,244
11:00am	86	812	27,422	105	936	19,356	52	508	10,098	243	2,256	56,876
12:00pm	82	772	28,181	103	926	23,099	51	496	12,876	236	2,194	64,156
1:00pm	79	742	33,108	111	994	28,218	52	512	14,663	242	2,248	75,989
2:00pm	77	722	39,691	106	952	34,330	56	544	21,351	239	2,218	95,372
3:00pm	84	784	55,323	103	920	51,717	57	565	31,318	244	2,269	138,358
4:00pm	81	760	62,586	111	1,002	61,118	68	667	46,949	260	2,429	170,653
5:00pm	107	1,010	94,098	139	1,246	107,780	80	789	70,607	326	3,045	272,485
6:00pm	95	896	86,165	123	1,100	112,954	71	701	67,336	289	2,697	266,455
7:00pm	81	764	57,088	120	1,076	76,374	64	636	43,751	265	2,476	177,213
8:00pm	85	798	43,266	107	956	55,602	65	633	32,696	257	2,387	131,564
9:00pm	84	786	33,324	95	838	39,635	57	557	25,195	236	2,181	98,154
10:00pm	52	488	23,538	77	678	27,167	45	439	19,355	174	1,605	70,060
11:00pm	43	406	23,136	58	522	24,853	41	398	14,914	142	1,326	62,903
<b>TOTAL</b>	<b>1,577</b>	<b>14,796</b>	<b>812,997</b>	<b>2,107</b>	<b>18,918</b>	<b>805,170</b>	<b>1,154</b>	<b>11,378</b>	<b>495,149</b>	<b>4,838</b>	<b>45,092</b>	<b>2,113,316</b>

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 60<sup>TH</sup> STREET SECTOR, 2016-INBOUND

HOURS	LEXINGTON AVE EXPRESS			LEXINGTON AVE 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)			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
12:00am	2	20	344	6	60	857	3	24	333	4	32	447	6	60	654	9	90	1,286	30	286	3,921
1:00am	0	0	0	5	50	334	1	8	82	2	16	185	2	20	43	5	50	469	15	144	1,113
2:00am	0	0	0	4	40	274	4	32	241	4	32	347	5	50	130	7	70	417	24	224	1,409
3:00am	0	0	0	7	70	468	3	24	287	3	24	134	3	30	41	6	60	425	22	208	1,355
4:00am	0	0	0	7	70	1,131	3	24	848	3	24	305	3	30	79	6	60	1,011	22	208	3,374
5:00am	7	70	4,238	5	50	2,628	6	48	2,482	4	32	1,010	8	80	2,337	7	70	2,233	37	350	14,928
6:00am	16	160	14,384	9	90	4,349	12	96	7,969	9	72	2,596	13	130	6,667	7	70	3,209	66	618	39,174
7:00am	23	230	24,679	17	170	12,267	14	112	15,230	9	72	5,644	18	180	14,960	12	120	8,755	93	884	81,535
8:00am	24	240	28,230	21	210	21,033	17	136	23,246	13	104	12,614	23	230	28,427	18	180	13,424	116	1,100	126,974
9:00am	20	200	12,980	16	160	17,130	15	120	13,935	12	96	6,584	15	150	16,176	12	120	9,784	90	846	76,589
10:00am	15	150	10,341	15	150	7,952	15	120	8,481	13	104	4,449	16	160	9,169	11	110	5,972	85	794	46,364
11:00am	14	140	7,221	14	140	5,875	12	96	5,893	12	96	3,209	15	150	7,675	11	110	4,438	78	732	34,311
12:00pm	16	160	7,763	17	170	6,951	13	104	5,715	11	88	3,149	15	150	6,167	10	100	4,763	82	772	34,508
1:00pm	14	140	7,133	14	140	6,318	14	112	5,886	13	104	3,328	16	160	6,796	10	100	4,911	81	756	34,372
2:00pm	15	150	8,825	15	150	8,033	13	104	6,251	10	80	2,887	15	150	7,195	10	100	5,611	78	734	38,802
3:00pm	23	230	13,018	15	150	10,733	15	120	7,778	12	96	4,725	14	140	8,313	12	120	7,402	91	856	51,969
4:00pm	23	230	12,114	16	160	12,776	19	152	8,082	16	128	6,059	17	170	11,079	12	120	6,405	103	960	56,515
5:00pm	19	190	11,844	15	150	13,061	23	184	8,488	13	104	6,549	16	160	10,766	15	150	9,464	101	938	60,172
6:00pm	16	160	8,655	14	140	9,756	17	136	6,206	13	104	4,710	17	170	9,272	13	130	7,585	90	840	46,184
7:00pm	17	170	5,903	13	130	6,906	15	120	3,939	12	96	2,793	13	130	5,612	13	130	5,061	83	776	30,214
8:00pm	14	140	3,770	10	100	5,056	13	104	3,066	12	96	2,184	14	140	4,670	14	140	4,453	77	720	23,199
9:00pm	10	100	2,763	7	70	3,286	12	96	2,214	10	80	1,050	11	110	3,442	11	110	2,805	61	566	15,560
10:00pm	6	60	2,057	7	70	2,564	7	56	1,623	9	72	1,129	10	100	2,743	5	50	1,312	44	408	11,428
11:00pm	5	50	1,234	6	60	1,862	4	32	687	5	40	1,089	7	70	2,292	8	80	3,095	35	332	10,259
TOTAL	299	2,990	187,496	275	2,750	161,600	270	2,160	138,962	224	1,792	77,176	292	2,920	164,705	244	2,440	114,290	1,604	15,052	844,229

\* 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

## 60<sup>TH</sup> STREET SECTOR, 2016-OUTBOUND

HOURS	59TH ST./LEXINGTON AVE			LEXINGTON AVE 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)			59TH ST./COLUMBUS CIRCLE VIA A (Exp./Loc), D (Express)			59TH ST./COLUMBUS CIRCLE 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
12:00am	4	40	2,515	5	50	921	7	56	2,666	0	0	0	7	70	2,009	3	30	2,435	26	246	10,546
1:00am	3	30	1,319	5	50	521	11	88	2,341	0	0	0	4	40	665	3	30	1,194	26	238	6,040
2:00am	3	30	685	3	30	219	6	48	913	0	0	0	4	40	180	3	30	876	19	178	2,873
3:00am	3	30	536	3	30	31	5	40	377	0	0	0	3	30	51	3	30	261	17	160	1,256
4:00am	3	30	590	3	30	249	7	56	510	0	0	0	3	30	68	3	30	272	19	176	1,689
5:00am	4	40	1,277	4	40	1,132	8	64	1,240	0	0	0	3	30	150	7	70	1,454	26	244	5,253
6:00am	7	70	4,744	6	60	5,621	10	80	3,252	4	32	562	8	80	3,374	5	50	2,328	40	372	19,881
7:00am	14	140	10,513	12	120	11,488	15	120	5,041	13	104	4,274	11	110	7,731	7	70	5,352	72	664	44,399
8:00am	19	190	10,754	17	170	12,893	19	152	4,812	15	120	5,878	16	160	9,522	13	130	6,947	99	922	50,806
9:00am	22	220	7,905	20	200	8,679	20	160	3,658	8	64	2,781	18	180	8,021	18	180	4,775	106	1,004	35,819
10:00am	18	180	5,925	16	160	6,606	16	128	3,379	13	104	2,842	17	170	5,301	11	110	3,456	91	852	27,509
11:00am	21	210	6,177	14	140	5,775	14	112	3,468	10	80	2,688	15	150	5,236	12	120	4,078	86	812	27,422
12:00pm	16	160	6,227	16	160	5,657	12	96	4,310	12	96	2,305	15	150	5,677	11	110	4,005	82	772	28,181
1:00pm	16	160	7,795	15	150	6,548	12	96	4,915	12	96	3,160	14	140	6,231	10	100	4,459	79	742	33,108
2:00pm	13	130	8,206	15	150	8,155	13	104	6,405	11	88	3,521	15	150	8,186	10	100	5,218	77	722	39,691
3:00pm	16	160	14,466	13	130	9,278	14	112	10,079	14	112	4,242	17	170	10,426	10	100	6,832	84	784	55,323
4:00pm	17	170	15,842	13	130	11,568	14	112	10,958	11	88	5,290	14	140	11,248	12	120	7,680	81	760	62,586
5:00pm	25	250	27,847	20	200	13,183	17	136	16,030	13	104	8,267	18	180	18,066	14	140	10,705	107	1,010	94,098
6:00pm	21	210	24,041	13	130	11,520	15	120	14,754	12	96	7,907	20	200	17,535	14	140	10,408	95	896	86,165
7:00pm	16	160	13,505	15	150	9,359	11	88	9,657	12	96	5,050	13	130	10,581	14	140	8,936	81	764	57,088
8:00pm	16	160	9,966	11	110	5,907	14	112	8,276	12	96	3,394	18	180	8,440	14	140	7,283	85	798	43,266
9:00pm	18	180	8,291	11	110	5,037	15	120	7,421	12	96	2,517	16	160	5,699	12	120	4,359	84	786	33,324
10:00pm	8	80	4,983	8	80	3,524	9	72	4,819	7	56	1,776	10	100	4,697	10	100	3,739	52	488	23,538
11:00pm	6	60	4,645	6	60	2,511	10	80	6,538	2	16	452	13	130	6,657	6	60	2,333	43	406	23,136
TOTAL	309	3,090	198,754	264	2,640	146,382	294	2,352	135,819	193	1,544	66,906	292	2,920	155,751	225	2,250	109,385	1,577	14,796	812,997

\* 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, 2016-INBOUND

HOURS	14TH STREET TUNNEL			WILLIAMSBURG BRIDGE			RUTGERS ST. TUNNEL			MANHATTAN BRIDGE			MANHATTAN BRIDGE		
	BEDFORD AVENUE			MARCY AVENUE			YORK AVENUE			VIA DEKALB AVENUE			VIA PACIFIC STREET		
	L LINE (LOCAL)			J, Z, M LINES (LOCAL)			F LINE (LOCAL)			B,D,N,Q LINES (LOCAL)			D, N LINES (EXPRESS)		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	6	48	937	3	24	209	4	40	286	6	52	439	0	0	0
1:00am	3	24	298	3	24	165	3	30	111	7	64	288	0	0	0
2:00am	3	24	202	3	24	110	3	30	106	5	46	153	0	0	0
3:00am	2	16	138	3	24	169	4	40	125	6	52	256	0	0	0
4:00am	3	24	547	3	24	417	2	20	184	6	54	909	0	0	0
5:00am	6	48	2,409	6	48	1,922	4	40	1,089	8	74	3,262	0	0	0
6:00am	10	80	6,599	10	80	5,024	6	60	2,893	12	108	6,880	10	92	5,460
7:00am	13	104	12,907	13	104	9,375	9	90	6,045	17	154	15,313	15	134	11,302
8:00am	19	152	23,987	19	152	16,657	14	140	14,280	19	170	25,319	19	170	18,231
9:00am	16	128	18,412	14	112	11,432	10	100	9,309	13	118	15,281	15	136	11,174
10:00am	13	104	9,342	12	96	5,329	7	70	4,667	10	90	6,249	11	98	6,162
11:00am	11	88	5,892	11	88	3,588	9	90	3,882	12	108	5,335	12	110	4,407
12:00pm	13	104	5,543	12	96	3,148	7	70	2,994	11	100	4,712	11	98	3,775
1:00pm	12	96	5,160	12	96	3,161	9	90	3,471	11	98	4,564	12	108	3,814
2:00pm	12	96	5,563	12	96	3,860	9	90	3,792	13	116	5,360	12	108	3,308
3:00pm	11	88	5,435	12	96	3,530	9	90	3,501	13	118	5,439	14	128	3,667
4:00pm	7	56	1,893	16	128	4,509	14	140	4,909	13	120	5,780	15	134	4,125
5:00pm	8	64	5,979	17	136	3,861	14	140	5,619	12	106	6,078	13	118	4,239
6:00pm	9	72	4,314	11	88	2,626	10	100	3,730	11	100	4,182	11	98	3,126
7:00pm	12	96	3,999	13	104	1,878	11	110	3,200	13	116	3,145	12	108	1,871
8:00pm	14	112	2,757	13	104	1,237	7	70	1,608	12	108	1,859	11	98	1,028
9:00pm	14	112	1,912	11	88	806	11	110	1,072	12	108	1,335	11	100	782
10:00pm	9	72	1,625	10	80	783	5	50	712	16	150	1,475	2	16	193
11:00pm	6	48	1,862	7	56	615	6	60	916	11	100	1,048	0	0	0
TOTAL	232	1,856	127,712	246	1,968	84,411	187	1,870	78,501	269	2,430	124,661	206	1,854	86,664

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, 2016-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	6	48	370	4	40	257	3	30	52	4	40	420	36	322	2,970
1:00am	5	40	252	3	30	121	4	40	90	3	30	220	31	282	1,545
2:00am	3	24	147	3	30	84	2	20	44	3	30	135	25	228	981
3:00am	3	24	229	2	20	71	4	40	130	4	40	235	28	256	1,353
4:00am	2	16	347	4	40	439	2	20	178	3	30	694	25	228	3,715
5:00am	5	40	1,547	3	30	941	4	38	532	4	40	1,709	40	358	13,411
6:00am	12	96	7,415	9	90	4,223	6	48	1,329	9	90	5,415	84	744	45,238
7:00am	17	136	14,109	13	130	8,345	7	56	2,221	17	170	11,227	121	1,078	90,844
8:00am	20	160	21,721	16	160	13,536	8	64	5,595	20	200	16,504	154	1,368	155,830
9:00am	14	112	14,270	19	190	10,557	8	64	4,473	19	190	10,468	128	1,150	105,376
10:00am	14	112	8,586	16	160	4,995	6	48	1,771	18	180	5,583	107	958	52,684
11:00am	12	96	5,959	14	140	3,684	5	40	946	16	160	4,655	102	920	38,348
12:00pm	14	112	5,045	16	160	3,297	6	48	930	17	170	4,289	107	958	33,733
1:00pm	12	96	4,425	13	130	2,797	5	40	899	15	150	4,343	101	904	32,634
2:00pm	14	112	5,188	15	150	3,598	7	56	857	14	140	4,453	108	964	35,979
3:00pm	15	120	6,327	17	170	3,919	6	48	834	18	180	5,101	115	1,038	37,753
4:00pm	12	96	5,881	16	160	3,696	9	72	1,133	20	200	5,319	122	1,106	37,245
5:00pm	17	136	7,536	20	200	3,770	8	64	1,413	20	200	6,095	129	1,164	44,590
6:00pm	14	112	6,326	17	170	3,624	7	56	989	18	180	3,917	108	976	32,834
7:00pm	13	104	3,733	14	140	2,099	7	56	535	16	160	3,112	111	994	23,572
8:00pm	14	112	2,946	17	170	1,414	8	64	456	18	180	2,516	114	1,018	15,821
9:00pm	11	88	1,800	14	140	1,411	7	56	182	9	90	1,515	100	892	10,815
10:00pm	10	80	1,670	12	120	1,148	5	40	206	6	60	1,179	75	668	8,991
11:00pm	8	64	1,055	10	100	1,008	5	48	200	5	50	681	58	526	7,385
<b>TOTAL</b>	<b>267</b>	<b>2,136</b>	<b>126,884</b>	<b>287</b>	<b>2,870</b>	<b>79,034</b>	<b>139</b>	<b>1,156</b>	<b>25,995</b>	<b>296</b>	<b>2,960</b>	<b>99,785</b>	<b>2,129</b>	<b>19,100</b>	<b>833,647</b>

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, 2016-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	2,687	4	32	1,858	4	40	1,060	4	40	1,741	4	40	1,326
1:00am	5	40	1,683	3	24	778	4	40	507	3	30	669	2	20	357
2:00am	2	16	387	3	24	423	2	20	89	3	30	452	3	30	311
3:00am	3	24	311	3	24	170	4	40	178	3	30	150	3	30	100
4:00am	2	16	254	3	24	129	3	30	150	2	20	73	3	30	132
5:00am	4	32	636	3	24	196	3	30	322	3	30	165	2	20	196
6:00am	10	80	2,231	7	56	917	7	70	1,560	9	84	1,491	4	32	403
7:00am	13	104	3,485	12	96	1,810	12	120	3,746	11	100	3,888	9	72	849
8:00am	19	152	3,552	18	144	2,050	12	120	4,572	14	128	4,645	9	72	1,226
9:00am	16	128	2,841	15	120	1,463	12	120	3,801	14	126	3,463	7	56	897
10:00am	12	96	2,648	12	96	1,349	11	110	2,888	11	98	2,460	5	40	505
11:00am	12	96	3,006	13	104	1,605	8	80	2,180	11	100	2,205	6	48	634
12:00pm	12	96	3,845	12	96	1,925	8	80	2,276	12	108	3,111	6	48	881
1:00pm	12	96	4,526	12	96	2,415	9	90	3,114	13	118	3,827	6	48	943
2:00pm	12	96	5,684	12	96	3,458	8	80	3,387	12	108	5,019	6	48	1,256
3:00pm	11	88	8,396	13	104	5,932	8	80	4,467	10	90	7,287	7	56	2,572
4:00pm	2	16	532	12	96	7,804	9	90	5,005	14	124	9,797	8	64	3,697
5:00pm	8	64	11,943	19	152	12,798	12	120	9,304	16	146	15,717	9	72	5,751
6:00pm	12	96	17,797	13	104	10,301	8	80	9,229	16	144	18,399	7	56	5,556
7:00pm	11	88	14,322	13	104	7,656	13	130	6,341	12	108	11,014	8	64	2,956
8:00pm	14	112	10,740	12	96	5,206	11	110	5,189	12	106	8,586	7	56	2,166
9:00pm	14	112	7,959	14	112	4,431	8	80	3,210	13	118	6,358	5	40	1,101
10:00pm	11	88	5,497	12	96	3,258	3	30	1,358	10	92	4,489	5	40	693
11:00pm	6	48	5,420	7	56	2,734	6	60	2,332	4	40	2,905	7	60	883
<b>TOTAL</b>	<b>228</b>	<b>1,824</b>	<b>120,382</b>	<b>247</b>	<b>1,976</b>	<b>80,666</b>	<b>185</b>	<b>1,850</b>	<b>76,265</b>	<b>232</b>	<b>2,118</b>	<b>117,911</b>	<b>138</b>	<b>1,142</b>	<b>35,391</b>

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, 2016-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	1,967	4	40	1,236	4	40	1,548	3	24	999	36	328	14,422
1:00am	3	24	594	4	40	423	2	20	385	3	24	968	29	262	6,364
2:00am	2	16	349	2	20	82	3	30	289	2	16	307	22	202	2,689
3:00am	2	16	192	3	30	72	2	20	171	4	32	178	27	246	1,522
4:00am	3	24	239	3	30	80	4	40	223	3	24	161	26	238	1,441
5:00am	4	32	527	5	50	332	6	60	575	4	34	469	34	312	3,418
6:00am	8	64	2,252	11	110	1,483	13	130	2,312	10	90	1,352	79	716	14,001
7:00am	10	80	3,158	16	160	2,385	17	170	3,709	12	108	2,337	112	1,010	25,367
8:00am	11	88	4,172	20	200	2,937	21	210	4,313	14	124	3,203	138	1,238	30,670
9:00am	17	136	4,163	22	220	3,394	20	200	2,728	15	138	1,930	138	1,244	24,680
10:00am	11	88	2,443	15	150	1,909	20	200	2,567	11	98	1,624	108	976	18,393
11:00am	14	112	3,428	14	140	1,780	14	140	2,280	13	116	2,238	105	936	19,356
12:00pm	11	88	3,272	16	160	2,384	15	150	2,930	11	100	2,475	103	926	23,099
1:00pm	15	120	4,161	15	150	2,340	15	150	3,305	14	126	3,587	111	994	28,218
2:00pm	13	104	4,949	16	160	2,783	16	160	4,025	11	100	3,769	106	952	34,330
3:00pm	13	104	7,742	15	150	4,802	15	150	5,198	11	98	5,321	103	920	51,717
4:00pm	17	136	12,003	15	150	6,471	20	200	7,727	14	126	8,082	111	1,002	61,118
5:00pm	20	160	17,545	15	150	9,114	22	220	11,258	18	162	14,350	139	1,246	107,780
6:00pm	18	144	18,424	17	170	9,098	17	170	12,328	15	136	11,822	123	1,100	112,954
7:00pm	17	136	12,445	16	160	6,226	17	170	7,761	13	116	7,653	120	1,076	76,374
8:00pm	12	96	8,012	13	130	4,638	15	150	5,662	11	100	5,403	107	956	55,602
9:00pm	11	88	5,726	12	120	3,748	6	60	2,426	12	108	4,676	95	838	39,635
10:00pm	9	72	3,612	9	90	2,320	6	60	1,722	12	110	4,218	77	678	27,167
11:00pm	6	48	3,639	9	90	2,458	6	60	1,816	7	60	2,666	58	522	24,853
<b>TOTAL</b>	<b>251</b>	<b>2,008</b>	<b>125,014</b>	<b>287</b>	<b>2,870</b>	<b>72,495</b>	<b>296</b>	<b>2,960</b>	<b>87,258</b>	<b>243</b>	<b>2,170</b>	<b>89,788</b>	<b>2,107</b>	<b>18,918</b>	<b>805,170</b>

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, 2016 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	244	4	40	409	4	44	357	4	40	302	15	154	1,312
1:00am	4	40	261	4	40	248	3	33	148	3	30	177	14	143	834
2:00am	3	30	164	2	20	86	3	33	182	3	30	148	11	113	580
3:00am	2	20	179	4	40	307	4	44	223	3	30	213	13	134	922
4:00am	3	30	369	3	30	754	3	33	746	3	30	533	12	123	2,402
5:00am	7	66	2,732	4	40	2,605	6	66	3,133	5	50	2,358	22	222	10,828
6:00am	19	174	9,183	13	118	9,258	15	165	6,962	7	70	5,440	54	527	30,843
7:00am	20	184	18,144	21	196	18,329	22	242	13,416	11	110	9,867	74	732	59,756
8:00am	23	212	29,005	22	204	22,491	24	264	20,895	13	130	17,816	82	810	90,207
9:00am	21	196	18,654	17	156	15,699	21	231	15,050	13	130	14,176	72	713	63,579
10:00am	17	160	9,318	15	138	9,519	12	132	7,031	9	90	5,131	53	520	30,999
11:00am	17	160	6,454	13	118	5,908	10	110	4,330	7	70	3,958	47	458	20,650
12:00pm	19	176	5,885	15	138	4,885	13	143	3,965	9	90	4,164	56	547	18,899
1:00pm	19	176	5,327	14	128	4,657	11	121	3,733	8	80	3,935	52	505	17,652
2:00pm	18	168	6,139	16	148	4,967	12	132	4,098	9	90	4,422	55	538	19,626
3:00pm	18	168	6,239	18	168	6,606	13	143	5,367	8	80	4,438	57	559	22,650
4:00pm	22	204	6,529	20	184	6,547	16	176	5,755	9	90	4,350	67	654	23,181
5:00pm	23	210	7,598	21	196	6,632	24	264	6,350	13	130	5,626	81	800	26,206
6:00pm	21	196	6,212	19	172	4,206	21	231	4,445	12	120	3,899	73	719	18,762
7:00pm	19	174	3,771	20	186	3,221	16	176	2,256	11	110	2,515	66	646	11,763
8:00pm	18	170	2,338	16	148	1,919	15	165	1,719	9	90	1,648	58	573	7,624
9:00pm	18	168	1,683	13	118	1,727	12	132	1,147	7	70	1,236	50	488	5,793
10:00pm	15	140	1,359	11	100	1,270	12	132	1,135	6	60	1,062	44	432	4,826
11:00pm	7	68	600	6	56	629	9	99	957	5	50	622	27	273	2,808
<b>TOTAL</b>	<b>356</b>	<b>3,320</b>	<b>148,387</b>	<b>311</b>	<b>2,882</b>	<b>132,879</b>	<b>301</b>	<b>3,311</b>	<b>113,400</b>	<b>187</b>	<b>1,870</b>	<b>98,036</b>	<b>1,155</b>	<b>11,383</b>	<b>492,702</b>

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, 2016-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	1,644	4	40	1,827	7	77	3,305	5	50	2,334	20	207	9,110
1:00am	2	20	563	2	20	661	2	22	827	3	30	779	9	92	2,830
2:00am	3	30	351	3	30	776	3	33	449	3	30	329	12	123	1,905
3:00am	4	40	298	3	30	325	3	33	371	3	30	259	13	133	1,253
4:00am	3	30	316	3	30	327	3	33	334	4	40	376	13	133	1,353
5:00am	3	30	323	4	40	738	5	55	1,142	3	30	520	15	155	2,723
6:00am	12	112	2,481	9	80	1,856	15	165	2,902	6	60	1,777	42	417	9,016
7:00am	19	178	4,769	15	138	4,178	23	253	4,371	9	90	2,930	66	659	16,248
8:00am	22	204	5,597	18	166	3,953	21	231	4,416	10	100	3,203	71	701	17,169
9:00am	22	204	3,736	22	202	3,455	20	220	3,693	11	110	2,207	75	736	13,091
10:00am	20	186	2,565	18	168	2,713	13	143	2,399	8	80	1,665	59	577	9,342
11:00am	18	168	2,958	15	138	2,892	12	132	2,482	7	70	1,766	52	508	10,098
12:00pm	19	176	3,859	13	118	3,254	12	132	3,511	7	70	2,252	51	496	12,876
1:00pm	15	142	3,684	15	138	3,960	12	132	3,833	10	100	3,186	52	512	14,663
2:00pm	21	194	6,252	15	138	5,516	12	132	5,212	8	80	4,371	56	544	21,351
3:00pm	17	162	8,433	15	138	8,231	15	165	9,448	10	100	5,206	57	565	31,318
4:00pm	22	204	12,574	18	168	13,025	15	165	12,304	13	130	9,046	68	667	46,949
5:00pm	22	202	20,612	20	184	18,115	23	253	21,909	15	150	9,971	80	789	70,607
6:00pm	21	194	21,455	20	186	17,441	21	231	18,943	9	90	9,497	71	701	67,336
7:00pm	16	148	11,329	18	170	12,915	18	198	12,282	12	120	7,225	64	636	43,751
8:00pm	22	204	10,745	19	174	7,943	15	165	8,898	9	90	5,110	65	633	32,696
9:00pm	17	156	7,676	16	148	6,275	13	143	7,086	11	110	4,158	57	557	25,195
10:00pm	16	148	6,331	12	110	4,850	11	121	5,453	6	60	2,721	45	439	19,355
11:00pm	15	138	5,469	10	90	3,149	10	110	4,538	6	60	1,758	41	398	14,914
<b>TOTAL</b>	<b>355</b>	<b>3,310</b>	<b>144,020</b>	<b>307</b>	<b>2,844</b>	<b>128,375</b>	<b>304</b>	<b>3,344</b>	<b>140,108</b>	<b>188</b>	<b>1,880</b>	<b>82,646</b>	<b>1,154</b>	<b>11,378</b>	<b>495,149</b>

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, 2016-INBOUND**

HOURS	DOWNTOWN PATH			UPTOWN PATH			TOTAL		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	1	8	60	2	14	46	3	22	106
1:00am	2	16	36	2	14	24	4	30	60
2:00am	2	16	21	1	7	40	3	23	61
3:00am	1	8	72	2	14	66	3	22	138
4:00am	2	16	246	2	14	251	4	30	497
5:00am	4	32	1,739	3	21	1,147	7	53	2,886
6:00am	14	112	4,511	11	77	3,432	25	189	7,943
7:00am	23	184	11,567	20	140	9,323	43	324	20,890
8:00am	25	200	15,936	24	168	17,061	49	368	32,997
9:00am	19	152	7,387	17	119	8,769	36	271	16,156
10:00am	9	72	2,523	12	84	3,217	21	156	5,740
11:00am	9	72	1,740	12	84	2,254	21	156	3,994
12:00pm	9	72	1,437	12	84	1,792	21	156	3,229
1:00pm	9	72	1,314	12	84	1,703	21	156	3,017
2:00pm	10	80	1,264	12	84	1,712	22	164	2,976
3:00pm	13	104	1,339	12	84	1,815	25	188	3,154
4:00pm	18	144	2,182	15	105	2,763	33	249	4,945
5:00pm	24	192	3,889	21	147	4,714	45	339	8,603
6:00pm	19	152	2,565	20	140	3,134	39	292	5,699
7:00pm	12	96	1,172	13	91	1,395	25	187	2,567
8:00pm	11	88	618	12	84	761	23	172	1,379
9:00pm	9	72	388	10	70	496	19	142	884
10:00pm	8	64	303	8	56	314	16	120	617
11:00pm	3	24	145	2	14	139	5	38	284
<b>TOTAL</b>	<b>256</b>	<b>2,048</b>	<b>62,454</b>	<b>257</b>	<b>1,799</b>	<b>66,368</b>	<b>513</b>	<b>3,847</b>	<b>128,822</b>

**NEW JERSEY SECTOR, 2016-OUTBOUND**

HOURS	DOWNTOWN PATH			UPTOWN PATH			TOTAL		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	1	8	455	2	14	634	3	22	1,089
1:00am	2	16	144	2	14	290	4	30	434
2:00am	2	16	120	1	7	175	3	23	295
3:00am	1	8	68	2	14	86	3	22	154
4:00am	2	16	88	2	14	95	4	30	183
5:00am	3	24	259	1	7	181	4	31	440
6:00am	13	104	727	9	63	760	22	167	1,487
7:00am	22	176	1,870	18	126	2,345	40	302	4,215
8:00am	24	192	3,520	23	161	3,739	47	353	7,259
9:00am	18	144	1,903	20	140	1,639	38	284	3,542
10:00am	10	80	771	12	84	759	22	164	1,530
11:00am	9	72	631	12	84	853	21	156	1,484
12:00pm	9	72	886	12	84	1,068	21	156	1,954
1:00pm	9	72	1,119	12	84	1,249	21	156	2,368
2:00pm	9	72	1,612	12	84	1,670	21	156	3,282
3:00pm	11	88	2,979	12	84	2,722	23	172	5,701
4:00pm	21	168	6,621	13	91	4,709	34	259	11,330
5:00pm	25	200	13,348	22	154	11,139	47	354	24,487
6:00pm	21	168	10,201	20	140	11,524	41	308	21,725
7:00pm	14	112	5,322	15	105	6,773	29	217	12,095
8:00pm	11	88	3,576	12	84	4,842	23	172	8,418
9:00pm	10	80	2,046	11	77	3,358	21	157	5,404
10:00pm	8	64	1,298	8	56	2,402	16	120	3,700
11:00pm	3	24	866	5	35	1,479	8	59	2,345
<b>TOTAL</b>	<b>258</b>	<b>2,064</b>	<b>60,430</b>	<b>258</b>	<b>1,806</b>	<b>64,491</b>	<b>516</b>	<b>3,870</b>	<b>124,921</b>

## SECTION C

SUBURBAN AND INTERCITY RAIL, TRANSIT BY SECTOR  
SUMMARY, 2016-INBOUND

HOURS	60TH STREET SECTOR			QUEENS SECTOR			NEW JERSEY SECTOR			ALL SECTORS		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	5	38	127	5	56	160	4	34	184	14	128	471
1:00am	6	49	108	4	44	80	3	22	145	13	115	333
2:00am	0	0	0	6	59	183	2	18	82	8	77	265
3:00am	0	0	0	1	12	40	0	0	0	1	12	40
4:00am	0	0	0	4	44	520	0	0	0	4	44	520
5:00am	6	43	1,613	3	34	2,220	6	53	1,475	15	130	5,308
6:00am	18	126	7,070	15	152	12,120	12	100	5,721	45	378	24,911
7:00am	37	268	20,165	29	286	24,250	19	159	16,686	85	713	61,101
8:00am	53	422	34,692	37	390	34,099	25	224	29,942	115	1,036	98,733
9:00am	31	220	15,645	20	188	14,331	18	145	13,477	69	553	43,453
10:00am	18	127	5,435	10	100	4,876	13	99	5,649	41	326	15,960
11:00am	14	102	3,872	9	88	3,530	11	81	3,642	34	271	11,044
12:00pm	11	81	2,693	11	110	3,263	9	65	2,735	31	256	8,691
1:00pm	12	92	2,397	10	104	2,621	9	71	2,866	31	267	7,884
2:00pm	10	72	1,720	8	80	2,206	10	75	2,389	28	227	6,315
3:00pm	12	82	2,122	10	100	2,506	8	63	2,361	30	245	6,989
4:00pm	12	95	2,139	11	112	3,110	10	75	3,378	33	282	8,627
5:00pm	16	129	3,123	8	88	2,820	10	86	4,020	34	303	9,963
6:00pm	16	120	3,445	12	111	3,416	11	89	4,038	39	320	10,899
7:00pm	14	98	2,043	11	112	2,112	12	100	2,503	37	310	6,658
8:00pm	10	72	1,110	9	92	1,267	11	79	1,206	30	243	3,583
9:00pm	9	62	882	8	81	997	11	84	1,303	28	227	3,182
10:00pm	7	50	537	9	93	879	8	62	1,154	24	205	2,570
11:00pm	5	36	249	6	68	410	5	36	457	16	140	1,116
<b>TOTAL</b>	<b>322</b>	<b>2,384</b>	<b>111,187</b>	<b>256</b>	<b>2,604</b>	<b>122,016</b>	<b>227</b>	<b>1,820</b>	<b>105,413</b>	<b>805</b>	<b>6,808</b>	<b>338,616</b>

## SUMMARY, 2016-OUTBOUND

HOURS	60TH STREET SECTOR			QUEENS SECTOR			NEW JERSEY SECTOR			ALL SECTORS		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	7	49	930	5	56	920	5	41	1,028	17	146	2,878
1:00am	1	63	618	4	44	490	2	16	454	7	123	1,562
2:00am	0	0	0	2	17	138	0	0	0	2	17	138
3:00am	0	0	0	4	42	170	1	5	98	5	47	268
4:00am	0	0	0	1	12	90	4	34	210	5	46	300
5:00am	5	39	231	4	44	280	6	48	312	15	131	823
6:00am	14	100	1,100	6	61	854	12	95	1,102	32	256	3,056
7:00am	16	107	2,434	8	80	1,700	14	108	2,534	38	295	6,668
8:00am	13	99	2,132	10	100	1,795	11	91	2,362	34	290	6,289
9:00am	11	88	1,256	7	74	980	10	82	2,225	28	244	4,461
10:00am	11	77	1,159	9	90	1,181	10	75	1,790	30	242	4,130
11:00am	11	77	1,304	10	101	1,602	8	62	1,635	29	240	4,541
12:00pm	11	84	1,555	9	84	2,040	11	81	2,319	31	249	5,914
1:00pm	12	87	2,193	9	98	2,467	7	52	2,187	28	237	6,847
2:00pm	13	95	3,091	10	107	4,842	11	81	3,120	34	283	11,053
3:00pm	20	152	5,959	15	150	9,254	12	98	5,214	47	400	20,427
4:00pm	27	188	11,258	23	226	14,371	17	140	9,543	67	554	35,172
5:00pm	46	347	27,286	34	362	28,448	23	204	22,038	103	913	77,772
6:00pm	35	268	21,299	23	234	20,629	20	173	18,315	78	675	60,243
7:00pm	23	163	10,839	15	151	11,256	11	86	6,796	49	400	28,891
8:00pm	13	101	6,441	8	88	5,970	11	85	4,970	32	274	17,381
9:00pm	13	91	5,224	8	80	4,730	9	72	3,178	30	243	13,132
10:00pm	10	70	2,956	9	82	3,810	8	64	2,572	27	216	9,338
11:00pm	8	55	2,093	9	100	2,310	5	39	1,390	22	194	5,793
<b>TOTAL</b>	<b>320</b>	<b>2,400</b>	<b>111,358</b>	<b>242</b>	<b>2,483</b>	<b>120,327</b>	<b>228</b>	<b>1,832</b>	<b>95,392</b>	<b>790</b>	<b>6,715</b>	<b>327,077</b>

## SECTION C

SUBURBAN AND INTERCITY RAIL TRANSIT BY LINE  
60<sup>TH</sup> STREET SECTOR, 2016-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			
12:00am	1	6	26	2	16	22	2	16	79	0	0	0	5	38	127
1:00am	2	16	59	1	8	9	3	25	40	0	0	0	6	49	108
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	451	2	18	503	2	12	659	0	0	0	6	43	1,613
6:00am	6	42	1,618	7	46	2,710	5	38	2,742	0	0	0	18	126	7,070
7:00am	9	57	3,822	12	92	7,165	15	114	9,085	1	5	93	37	268	20,165
8:00am	15	104	7,940	16	136	11,791	21	177	14,785	1	5	176	53	422	34,692
9:00am	7	46	3,071	11	85	5,954	12	84	6,401	1	5	219	31	220	15,645
10:00am	5	33	973	6	44	1,827	6	45	2,380	1	5	255	18	127	5,435
11:00am	4	30	827	5	38	1,346	5	34	1,699	0	0	0	14	102	3,872
12:00pm	3	21	537	3	22	806	4	33	1,164	1	5	186	11	81	2,693
1:00pm	3	23	477	4	30	864	4	34	899	1	5	157	12	92	2,397
2:00pm	3	21	372	2	16	448	4	30	798	1	5	102	10	72	1,720
3:00pm	3	21	386	4	26	755	4	30	796	1	5	185	12	82	2,122
4:00pm	3	23	460	4	36	681	5	36	998	0	0	0	12	95	2,139
5:00pm	3	21	467	6	50	1,032	6	53	1,470	1	5	154	16	129	3,123
6:00pm	4	30	506	4	32	952	6	44	1,718	2	14	269	16	120	3,445
7:00pm	4	26	245	5	32	768	5	40	1,030	0	0	0	14	98	2,043
8:00pm	2	13	160	4	32	326	3	22	451	1	5	173	10	72	1,110
9:00pm	2	13	185	3	22	249	3	22	361	1	5	87	9	62	882
10:00pm	2	13	125	2	14	173	3	23	239	0	0	0	7	50	537
11:00pm	1	6	32	2	14	71	2	16	146	0	0	0	5	36	249
<b>TOTAL</b>	<b>84</b>	<b>578</b>	<b>22,739</b>	<b>105</b>	<b>809</b>	<b>38,452</b>	<b>120</b>	<b>928</b>	<b>47,940</b>	<b>13</b>	<b>69</b>	<b>2,056</b>	<b>322</b>	<b>2,384</b>	<b>111,187</b>

60<sup>TH</sup> STREET SECTOR, 2016-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			
12:00am	3	21	223	2	12	361	2	16	346	0	0	0	7	49	930
1:00am	0	8	61	0	24	258	1	31	299	0	0	0	1	63	618
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	20	1	8	23	3	25	188	0	0	0	5	39	231
6:00am	4	28	181	6	44	274	4	28	645	0	0	0	14	100	1,100
7:00am	4	26	281	6	41	925	5	35	1,044	1	5	184	16	107	2,434
8:00am	3	21	255	4	32	583	5	41	1,063	1	5	231	13	99	2,132
9:00am	3	23	223	4	32	405	4	33	628	0	0	0	11	88	1,256
10:00am	3	21	201	3	20	324	4	31	458	1	5	176	11	77	1,159
11:00am	3	21	257	3	20	407	4	31	551	1	5	89	11	77	1,304
12:00pm	3	23	334	4	30	546	4	31	675	0	0	0	11	84	1,555
1:00pm	3	21	380	4	30	722	4	31	899	1	5	192	12	87	2,193
2:00pm	3	19	650	5	38	1,067	4	33	1,265	1	5	109	13	95	3,091
3:00pm	5	36	1,124	7	57	2,039	6	45	2,446	2	14	350	20	152	5,959
4:00pm	7	48	2,631	10	71	3,572	9	64	4,840	1	5	215	27	188	11,258
5:00pm	13	91	6,531	13	107	9,112	19	144	11,439	1	5	204	46	347	27,286
6:00pm	9	57	4,448	12	97	7,192	14	114	9,659	0	0	0	35	268	21,299
7:00pm	6	40	2,178	8	62	4,176	8	56	4,329	1	5	156	23	163	10,839
8:00pm	3	19	974	4	32	2,131	5	45	3,233	1	5	103	13	101	6,441
9:00pm	5	32	1,364	4	28	1,569	4	31	2,291	0	0	0	13	91	5,224
10:00pm	3	21	641	2	14	635	4	30	1,611	1	5	69	10	70	2,956
11:00pm	2	15	391	3	18	940	3	22	762	0	0	0	8	55	2,093
<b>TOTAL</b>	<b>86</b>	<b>597</b>	<b>23,348</b>	<b>105</b>	<b>817</b>	<b>37,261</b>	<b>116</b>	<b>917</b>	<b>48,671</b>	<b>13</b>	<b>69</b>	<b>2,078</b>	<b>320</b>	<b>2,400</b>	<b>111,358</b>

# SECTION C

## SUBURBAN AND INTERCITY RAIL,TRANSIT BY LINE QUEENS SECTOR, 2016-INBOUND

HOURS	MTA LIRR			AMTRAK			TOTAL		
	TRAINS	CARS	PSGRS	N.E. CORRIDOR			TRAINS	CARS	PSGRS
12:00am	5	56	160	0	0	0	5	56	160
1:00am	4	44	80	0	0	0	4	44	80
2:00am	5	54	100	1	5	83	6	59	183
3:00am	1	12	40	0	0	0	1	12	40
4:00am	4	44	520	0	0	0	4	44	520
5:00am	3	34	2,220	0	0	0	3	34	2,220
6:00am	15	152	12,120	0	0	0	15	152	12,120
7:00am	29	286	24,250	0	0	0	29	286	24,250
8:00am	36	384	33,900	1	6	199	37	390	34,099
9:00am	18	174	13,910	2	14	421	20	188	14,331
10:00am	8	86	4,330	2	14	546	10	100	4,876
11:00am	9	88	3,530	0	0	0	9	88	3,530
12:00pm	9	96	2,670	2	14	593	11	110	3,263
1:00pm	9	96	2,270	1	8	351	10	104	2,621
2:00pm	7	74	1,950	1	6	256	8	80	2,206
3:00pm	8	86	1,970	2	14	536	10	100	2,506
4:00pm	10	106	2,830	1	6	280	11	112	3,110
5:00pm	8	88	2,820	0	0	0	8	88	2,820
6:00pm	9	92	2,810	3	19	606	12	111	3,416
7:00pm	10	106	1,840	1	6	272	11	112	2,112
8:00pm	7	80	880	2	12	387	9	92	1,267
9:00pm	7	74	820	1	7	177	8	81	997
10:00pm	8	88	720	1	5	159	9	93	879
11:00pm	6	68	410	0	0	0	6	68	410
TOTAL	235	2,468	117,150	21	136	4,866	256	2,604	122,016

## QUEENS SECTOR, 2016-OUTBOUND

HOURS	MTA LIRR			AMTRAK			TOTAL		
	TRAINS	CARS	PSGRS	N.E. CORRIDOR			TRAINS	CARS	PSGRS
12:00am	5	56	920	0	0	0	5	56	920
1:00am	4	44	490	0	0	0	4	44	490
2:00am	1	12	60	1	5	78	2	17	138
3:00am	4	42	170	0	0	0	4	42	170
4:00am	1	12	90	0	0	0	1	12	90
5:00am	4	44	280	0	0	0	4	44	280
6:00am	5	54	660	1	7	194	6	61	854
7:00am	8	80	1,700	0	0	0	8	80	1,700
8:00am	8	86	1,360	2	14	435	10	100	1,795
9:00am	7	74	980	0	0	0	7	74	980
10:00am	8	84	970	1	6	211	9	90	1,181
11:00am	8	88	1,180	2	13	422	10	101	1,602
12:00pm	7	70	1,590	2	14	450	9	84	2,040
1:00pm	8	92	2,290	1	6	177	9	98	2,467
2:00pm	9	100	4,550	1	7	292	10	107	4,842
3:00pm	13	136	8,680	2	14	574	15	150	9,254
4:00pm	22	220	14,150	1	6	221	23	226	14,371
5:00pm	32	348	27,930	2	14	518	34	362	28,448
6:00pm	21	220	20,260	2	14	369	23	234	20,629
7:00pm	13	138	10,860	2	13	396	15	151	11,256
8:00pm	8	88	5,970	0	0	0	8	88	5,970
9:00pm	8	80	4,730	0	0	0	8	80	4,730
10:00pm	9	82	3,810	0	0	0	9	82	3,810
11:00pm	9	100	2,310	0	0	0	9	100	2,310
TOTAL	222	2,350	115,990	20	133	4,337	242	2,483	120,327

## SECTION C

SUBURBAN AND INTERCITY RAIL, TRANSIT BY LINE  
NEW JERSEY SECTOR, 2016-INBOUND

HOURS	NJ TRANSIT						AMTRAK			TOTAL		
	NEC / NJCL / RARITAN *			MIDTOWN DIRECT			N.E. CORRIDOR			TRAINS	CARS	PSGRS
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS			
12:00am	3	25	167	1	9	17	0	0	0	4	34	184
1:00am	2	17	35	0	0	0	1	5	110	3	22	145
2:00am	2	18	82	0	0	0	0	0	0	2	18	82
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	1,053	2	17	422	0	0	0	6	53	1,475
6:00am	6	54	2,567	4	33	2,914	2	13	240	12	100	5,721
7:00am	13	113	11,557	4	34	4,792	2	12	337	19	159	16,686
8:00am	12	117	16,664	8	74	12,011	5	33	1,267	25	224	29,942
9:00am	12	100	9,822	4	32	3,182	2	13	473	18	145	13,477
10:00am	7	55	3,572	3	25	1,362	3	19	715	13	99	5,649
11:00am	4	32	1,862	3	24	923	4	25	857	11	81	3,642
12:00pm	3	24	1,328	2	15	520	4	26	887	9	65	2,735
1:00pm	5	43	1,746	2	16	614	2	12	506	9	71	2,866
2:00pm	4	34	1,351	2	16	363	4	25	675	10	75	2,389
3:00pm	3	27	1,198	2	17	353	3	19	810	8	63	2,361
4:00pm	5	41	1,967	2	16	681	3	18	730	10	75	3,378
5:00pm	4	35	1,822	4	37	1,495	2	14	703	10	86	4,020
6:00pm	6	54	2,582	2	16	707	3	19	749	11	89	4,038
7:00pm	6	55	1,368	3	24	582	3	21	553	12	100	2,503
8:00pm	6	46	615	2	15	123	3	18	468	11	79	1,206
9:00pm	4	32	586	3	27	328	4	25	389	11	84	1,303
10:00pm	5	41	809	1	8	37	2	13	308	8	62	1,154
11:00pm	2	14	206	2	17	113	1	5	138	5	36	457
TOTAL	118	1,013	62,959	56	472	31,539	53	335	10,915	227	1,820	105,413

## NEW JERSEY SECTOR, 2016-OUTBOUND

HOURS	NJ TRANSIT						AMTRAK			TOTAL		
	NEC / NJCL / RARITAN *			MIDTOWN DIRECT			N.E. CORRIDOR			TRAINS	CARS	PSGRS
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS			
12:00am	3	23	733	2	18	295	0	0	0	5	41	1,028
1:00am	2	16	454	0	0	0	0	0	0	2	16	454
2:00am	0	0	0	0	0	0	0	0	0	0	0	0
3:00am	0	0	0	0	0	0	1	5	98	1	5	98
4:00am	3	27	179	0	0	0	1	7	31	4	34	210
5:00am	4	33	225	1	8	16	1	7	71	6	48	312
6:00am	6	52	633	3	27	220	3	16	249	12	95	1,102
7:00am	7	60	1,300	3	24	485	4	24	749	14	108	2,534
8:00am	5	44	1,242	4	34	596	2	13	524	11	91	2,362
9:00am	4	39	1,026	3	24	463	3	19	736	10	82	2,225
10:00am	4	33	676	3	23	418	3	19	696	10	75	1,790
11:00am	4	32	897	2	16	334	2	14	404	8	62	1,635
12:00pm	4	31	1,004	2	18	502	5	32	813	11	81	2,319
1:00pm	4	31	1,306	2	15	683	1	6	198	7	52	2,187
2:00pm	4	32	1,641	2	17	556	5	32	923	11	81	3,120
3:00pm	6	52	3,013	2	17	1,154	4	29	1,047	12	98	5,214
4:00pm	8	75	5,029	5	40	3,432	4	25	1,082	17	140	9,543
5:00pm	15	142	14,267	5	45	6,862	3	17	909	23	204	22,038
6:00pm	10	94	10,185	7	60	7,297	3	19	833	20	173	18,315
7:00pm	6	51	3,942	3	24	2,353	2	11	501	11	86	6,796
8:00pm	6	45	2,361	3	28	2,116	2	12	493	11	85	4,970
9:00pm	5	41	2,065	2	18	754	2	13	359	9	72	3,178
10:00pm	4	33	1,476	3	24	905	1	7	191	8	64	2,572
11:00pm	2	19	909	2	15	421	1	5	60	5	39	1,390
TOTAL	116	1,005	54,563	59	495	29,862	53	332	10,967	228	1,832	95,392



# SECTION D

## AUTO, TAXI, COMMUTER VAN & TRUCK OCCUPANTS BY SECTOR

### SUMMARY, 2016-INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	10,711	5,248	3,192	1,708	20,859
1:00am	6,286	3,463	2,288	1,120	13,157
2:00am	4,366	2,484	1,634	990	9,474
3:00am	4,076	2,437	1,863	1,194	9,570
4:00am	5,598	3,774	3,157	2,325	14,854
5:00am	11,725	7,543	5,823	7,050	32,141
6:00am	18,356	11,454	8,410	8,742	46,962
7:00am	22,696	12,889	9,980	7,247	52,812
8:00am	24,008	13,954	10,295	6,700	54,957
9:00am	22,957	12,949	9,397	6,485	51,788
10:00am	20,156	11,013	8,509	6,777	46,455
11:00am	19,519	10,090	7,944	5,423	42,976
12:00pm	19,508	10,330	6,981	5,143	41,962
1:00pm	19,129	10,132	7,307	5,042	41,610
2:00pm	19,112	10,906	7,505	5,365	42,888
3:00pm	20,272	10,209	7,819	5,234	43,534
4:00pm	21,185	10,305	8,190	5,249	44,929
5:00pm	22,079	10,610	7,552	4,995	45,236
6:00pm	22,095	9,805	8,150	5,212	45,262
7:00pm	21,717	9,584	7,954	5,415	44,670
8:00pm	20,899	9,635	6,850	4,456	41,840
9:00pm	19,839	9,445	6,386	4,132	39,802
10:00pm	19,349	8,999	5,289	3,939	37,576
11:00pm	16,757	7,935	4,286	2,947	31,925
<b>TOTAL</b>	<b>412,395</b>	<b>215,193</b>	<b>156,761</b>	<b>112,890</b>	<b>897,239</b>

### SUMMARY, 2016-OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	10,499	9,290	6,418	3,304	29,511
1:00am	6,351	5,511	4,193	2,411	18,466
2:00am	4,420	3,633	2,688	1,706	12,447
3:00am	4,102	2,856	2,219	1,224	10,401
4:00am	5,568	3,174	2,716	1,714	13,172
5:00am	9,636	5,077	3,995	2,892	21,600
6:00am	15,440	7,918	5,355	3,982	32,695
7:00am	20,027	9,204	5,786	4,863	39,880
8:00am	20,483	9,712	5,141	4,479	39,815
9:00am	19,387	9,393	4,511	4,091	37,382
10:00am	19,076	9,101	5,319	4,746	38,242
11:00am	18,544	9,407	5,746	5,348	39,045
12:00pm	18,839	9,514	6,849	5,594	40,796
1:00pm	19,555	9,710	7,291	6,550	43,106
2:00pm	20,941	10,823	8,123	7,630	47,517
3:00pm	21,925	11,806	9,790	7,898	51,419
4:00pm	22,371	13,459	10,209	8,548	54,587
5:00pm	23,235	13,652	9,675	7,690	54,252
6:00pm	23,549	14,325	8,805	8,035	54,714
7:00pm	23,138	13,658	9,471	7,903	54,170
8:00pm	21,326	13,705	9,367	6,969	51,367
9:00pm	21,031	12,963	8,726	6,759	49,479
10:00pm	20,864	12,521	7,558	6,497	47,440
11:00pm	16,833	11,873	7,425	5,420	41,551
<b>TOTAL</b>	<b>407,140</b>	<b>232,285</b>	<b>157,376</b>	<b>126,253</b>	<b>923,054</b>



**SECTION D**  
**AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY**  
**60<sup>TH</sup> STREET SECTOR, 2016-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	2,146	328	2,495	970	362	1,514	0	491	1,067	336	1,002	10,711
1:00am	1,133	176	1,521	611	177	950	0	280	648	181	609	6,286
2:00am	755	113	1,108	450	116	606	0	186	450	120	462	4,366
3:00am	753	130	1,109	421	82	552	0	156	359	99	415	4,076
4:00am	1,195	227	1,475	607	112	553	0	166	411	114	738	5,598
5:00am	3,264	396	2,360	889	238	1,062	0	235	606	222	2,453	11,725
6:00am	5,044	608	2,521	1,153	580	1,779	0	544	926	442	4,759	18,356
7:00am	6,478	587	2,423	1,489	1,340	2,399		1,028	1,262	743	4,947	22,696
8:00am	6,819	660	2,306	1,471	1,628	2,186	987	1,292	1,113	833	4,713	24,008
9:00am	6,707	666	2,147	1,229	1,391	1,955	1,000	1,251	1,247	915	4,449	22,957
10:00am	5,818	827	2,351	959	1,261	1,806	57	1,266	1,232	741	3,838	20,156
11:00am	5,870	867	2,355	1,015	1,097	1,725	0	1,109	1,160	773	3,548	19,519
12:00pm	5,887	899	2,530	946	1,134	1,721	0	1,136	1,202	791	3,262	19,508
1:00pm	5,712	939	2,569	984	962	1,579	0	1,046	1,260	813	3,265	19,129
2:00pm	5,722	941	2,450	987	951	1,513	0	1,095	1,138	794	3,521	19,112
3:00pm	5,699	1,053	2,903	1,075	1,153	1,567	0	989	996	930	3,907	20,272
4:00pm	5,818	1,097	3,127	1,146	1,106	1,562	0	1,041	1,315	856	4,117	21,185
5:00pm	6,360	988	2,994	1,185	1,349	1,584	0	1,127	1,449	968	4,075	22,079
6:00pm	5,994	948	3,191	1,267	1,427	1,670	0	1,063	1,298	1,128	4,109	22,095
7:00pm	5,589	907	3,313	1,373	1,603	1,826	0	1,054	992	1,200	3,860	21,717
8:00pm	5,433	923	3,111	1,497	1,682	1,981	0	966	1,346	1,120	2,840	20,899
9:00pm	5,085	812	2,844	1,651	1,563	1,893	0	936	1,482	992	2,581	19,839
10:00pm	4,910	728	2,948	1,487	1,410	1,950	0	985	1,543	883	2,505	19,349
11:00pm	3,748	604	3,210	1,456	1,023	1,806	0	766	1,548	727	1,869	16,757
<b>TOTAL</b>	<b>111,939</b>	<b>16,424</b>	<b>59,361</b>	<b>26,318</b>	<b>23,747</b>	<b>37,739</b>	<b>2,044</b>	<b>20,208</b>	<b>26,050</b>	<b>16,721</b>	<b>71,844</b>	<b>412,395</b>

\* 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  
60<sup>TH</sup> STREET SECTOR, 2016-OUTBOUND**

HOURS	FDR DRIVE	YORK AVE	FIRST AVE	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	1,669	383	911	1,094	1,101	407	1,154	0	625	510	652	150	1,843	10,499
1:00am	1,089	174	532	674	801	193	682	0	327	337	422	79	1,041	6,351
2:00am	785	134	403	584	575	111	403	0	222	223	319	62	599	4,420
3:00am	695	134	376	755	578	100	332	0	169	193	292	50	428	4,102
4:00am	1,034	232	496	1,376	650	122	362	0	204	183	348	94	467	5,568
5:00am	2,154	396	770	2,549	1,005	204	503	0	371	248	561	206	669	9,636
6:00am	4,066	756	1,423	2,241	1,494	686	860	0	596	441	856	522	1,499	15,440
7:00am	4,281	735	1,704	1,983	2,085	1,623	1,286	284	997	732	1,077	597	2,643	20,027
8:00am	4,577	812	1,682	1,744	2,152	1,675	1,232	370	1,048	796	1,035	653	2,707	20,483
9:00am	4,321	830	1,485	1,828	2,058	1,314	1,175	348	1,102	759	1,124	754	2,289	19,387
10:00am	4,182	748	1,388	1,965	1,760	1,233	1,240	407	1,179	667	1,144	741	2,422	19,076
11:00am	4,103	726	1,213	1,866	1,745	1,196	1,236	374	1,026	617	1,180	676	2,586	18,544
12:00pm	4,076	812	1,286	1,850	1,720	1,160	1,267	444	1,123	629	1,110	565	2,797	18,839
1:00pm	3,947	700	1,280	2,080	1,697	1,166	1,280	461	1,189	689	1,236	553	3,277	19,555
2:00pm	4,094	756	1,423	2,188	1,865	1,291	1,389	474	1,185	698	1,304	615	3,659	20,941
3:00pm	4,175	797	1,418	2,122	1,716	1,479	1,443	549	1,117	793	1,533	733	4,050	21,925
4:00pm	4,235	720	1,451	2,201	1,573	1,587	1,616	680	1,071	871	1,732	1,122	3,512	22,371
5:00pm	4,124	908	1,727	2,243	1,885	1,730	1,693	761	1,146	859	1,797	1,262	3,100	23,235
6:00pm	3,746	654	1,600	2,174	1,995	1,784	2,027	775	1,439	1,014	1,832	1,044	3,465	23,549
7:00pm	4,073	501	1,513	2,009	2,227	1,694	2,469	0	1,550	939	1,649	891	3,623	23,138
8:00pm	4,335	648	1,432	1,853	1,952	1,450	2,056	0	1,322	809	1,302	528	3,639	21,326
9:00pm	4,262	615	1,327	1,892	1,813	1,371	2,166	0	1,334	785	1,287	446	3,733	21,031
10:00pm	3,973	629	1,447	1,846	1,679	1,335	2,205	0	1,392	857	1,291	425	3,785	20,864
11:00pm	2,729	502	1,146	1,621	1,467	936	1,930	0	1,102	705	1,057	325	3,313	16,833
<b>TOTAL</b>	<b>80,725</b>	<b>14,302</b>	<b>29,433</b>	<b>42,738</b>	<b>37,593</b>	<b>25,847</b>	<b>32,006</b>	<b>5,927</b>	<b>22,836</b>	<b>15,354</b>	<b>26,140</b>	<b>13,093</b>	<b>61,146</b>	<b>407,140</b>

\* 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, 2016-INBOUND**

HOURS	BROOKLYN SECTOR					QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL
	BROOKLYN BRIDGE	MANHATTAN BRIDGE	WILLIAMSBURG BRIDGE	HUGH L. CAREY TUNNEL	TOTAL	MIDTOWN TUNNEL	ED KOCH QUEENSBORO BRIDGE	TOTAL	HOLLAND TUNNEL	LINCOLN TUNNEL	TOTAL	
12:00am	1,065	1,639	2,026	518	5,248	913	2,279	3,192	727	981	1,708	10,148
1:00am	763	946	1,437	317	3,463	726	1,562	2,288	472	648	1,120	6,871
2:00am	555	722	1,101	106	2,484	232	1,402	1,634	409	581	990	5,108
3:00am	588	688	1,095	66	2,437	157	1,706	1,863	473	721	1,194	5,494
4:00am	1,002	973	1,721	78	3,774	167	2,990	3,157	878	1,447	2,325	9,256
5:00am	2,011	2,092	3,255	185	7,543	412	5,411	5,823	2,704	4,346	7,050	20,416
6:00am	3,946	3,197	3,474	837	11,454	1,264	7,146	8,410	3,132	5,610	8,742	28,606
7:00am	3,756	3,749	3,220	2,164	12,889	3,172	6,808	9,980	3,121	4,126	7,247	30,116
8:00am	4,058	3,415	3,092	3,389	13,954	4,391	5,904	10,295	3,105	3,595	6,700	30,949
9:00am	3,347	3,542	2,741	3,319	12,949	4,359	5,038	9,397	2,914	3,571	6,485	28,831
10:00am	2,762	3,230	2,526	2,495	11,013	3,999	4,510	8,509	2,990	3,787	6,777	26,299
11:00am	2,395	2,794	2,606	2,295	10,090	3,577	4,367	7,944	2,368	3,055	5,423	23,457
12:00pm	2,672	2,512	2,859	2,287	10,330	2,698	4,283	6,981	2,126	3,017	5,143	22,454
1:00pm	2,718	2,540	2,810	2,064	10,132	2,670	4,637	7,307	1,976	3,066	5,042	22,481
2:00pm	3,169	2,638	2,989	2,110	10,906	2,679	4,826	7,505	2,367	2,998	5,365	23,776
3:00pm	3,205	2,217	3,007	1,780	10,209	2,745	5,074	7,819	2,472	2,762	5,234	23,262
4:00pm	3,263	2,163	2,968	1,911	10,305	3,168	5,022	8,190	2,837	2,412	5,249	23,744
5:00pm	3,504	2,348	2,985	1,773	10,610	2,421	5,131	7,552	3,179	1,816	4,995	23,157
6:00pm	3,012	2,519	2,799	1,475	9,805	3,031	5,119	8,150	3,126	2,086	5,212	23,167
7:00pm	3,049	2,465	2,711	1,359	9,584	3,008	4,946	7,954	2,672	2,743	5,415	22,953
8:00pm	3,275	2,215	2,910	1,235	9,635	2,759	4,091	6,850	1,961	2,495	4,456	20,941
9:00pm	3,187	2,319	3,045	894	9,445	2,429	3,957	6,386	1,787	2,345	4,132	19,963
10:00pm	2,959	2,447	2,972	621	8,999	1,498	3,791	5,289	1,681	2,258	3,939	18,227
11:00pm	1,648	3,029	2,802	456	7,935	1,062	3,224	4,286	1,241	1,706	2,947	15,168
<b>TOTAL</b>	<b>61,909</b>	<b>56,399</b>	<b>63,151</b>	<b>33,734</b>	<b>215,193</b>	<b>53,537</b>	<b>103,224</b>	<b>156,761</b>	<b>50,718</b>	<b>62,172</b>	<b>112,890</b>	<b>484,844</b>

**SECTION D**  
**AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY**  
**BROOKLYN, QUEENS, and NEW JERSEY SECTORS, 2016-OUTBOUND**

HOURS	BROOKLYN SECTOR					QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL
	BROOKLYN BRIDGE	MANHATTAN BRIDGE	WILLIAMSBURG BRIDGE	HUGH L. CAREY TUNNEL	TOTAL	MIDTOWN TUNNEL	ED KOCH QUEENSBORO BRIDGE	TOTAL	HOLLAND TUNNEL	LINCOLN TUNNEL	TOTAL	
12:00am	2,811	2,208	3,008	1,263	9,290	1,756	4,662	6,418	1,031	2,273	3,304	19,012
1:00am	1,454	1,561	1,938	558	5,511	1,212	2,981	4,193	1,088	1,323	2,411	12,115
2:00am	941	1,077	1,364	251	3,633	612	2,076	2,688	864	842	1,706	8,027
3:00am	714	898	1,082	162	2,856	377	1,842	2,219	676	548	1,224	6,299
4:00am	884	925	1,236	129	3,174	285	2,431	2,716	956	758	1,714	7,604
5:00am	1,564	1,391	1,920	202	5,077	730	3,265	3,995	1,850	1,042	2,892	11,964
6:00am	2,927	2,076	2,740	175	7,918	1,298	4,057	5,355	2,402	1,580	3,982	17,255
7:00am	3,660	2,118	2,981	445	9,204	1,907	3,879	5,786	2,910	1,953	4,863	19,853
8:00am	3,687	2,431	2,874	720	9,712	2,000	3,141	5,141	2,737	1,742	4,479	19,332
9:00am	3,717	2,030	2,667	979	9,393	1,799	2,712	4,511	2,434	1,657	4,091	17,995
10:00am	3,271	2,017	2,806	1,007	9,101	1,741	3,578	5,319	2,504	2,242	4,746	19,166
11:00am	3,347	1,945	2,927	1,188	9,407	1,874	3,872	5,746	2,489	2,859	5,348	20,501
12:00pm	3,171	2,116	2,881	1,346	9,514	2,756	4,093	6,849	2,389	3,205	5,594	21,957
1:00pm	3,010	2,229	3,011	1,460	9,710	2,989	4,302	7,291	2,755	3,795	6,550	23,551
2:00pm	3,248	2,746	3,333	1,496	10,823	3,028	5,095	8,123	2,916	4,714	7,630	26,576
3:00pm	3,535	3,186	3,413	1,672	11,806	3,612	6,178	9,790	2,723	5,175	7,898	29,494
4:00pm	3,305	3,640	4,108	2,406	13,459	4,026	6,183	10,209	2,684	5,864	8,548	32,216
5:00pm	3,408	3,446	4,023	2,775	13,652	3,784	5,891	9,675	2,298	5,392	7,690	31,017
6:00pm	3,772	3,647	3,623	3,283	14,325	3,700	5,105	8,805	2,562	5,473	8,035	31,165
7:00pm	3,883	3,409	3,563	2,803	13,658	3,912	5,559	9,471	2,723	5,180	7,903	31,032
8:00pm	3,987	3,453	3,650	2,615	13,705	3,722	5,645	9,367	2,938	4,031	6,969	30,041
9:00pm	4,126	3,368	3,895	1,574	12,963	3,491	5,235	8,726	2,941	3,818	6,759	28,448
10:00pm	3,682	3,394	3,831	1,614	12,521	2,054	5,504	7,558	2,812	3,685	6,497	26,576
11:00pm	3,386	3,392	3,916	1,179	11,873	1,916	5,509	7,425	2,559	2,861	5,420	24,718
<b>TOTAL</b>	<b>71,490</b>	<b>58,703</b>	<b>70,790</b>	<b>31,302</b>	<b>232,285</b>	<b>54,581</b>	<b>102,795</b>	<b>157,376</b>	<b>54,241</b>	<b>72,012</b>	<b>126,253</b>	<b>515,914</b>

# SECTION E

## AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY SECTOR, SUMMARY- 2016

### INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	8,018	4,344	2,591	1,312	16,265
1:00am	4,706	2,869	1,851	860	10,286
2:00am	3,280	2,050	1,350	759	7,439
3:00am	3,064	2,012	1,550	914	7,540
4:00am	4,261	3,120	2,637	1,776	11,794
5:00am	9,021	6,238	4,852	5,388	25,499
6:00am	14,892	9,517	7,345	7,024	38,778
7:00am	17,775	10,964	8,494	5,794	43,027
8:00am	17,984	11,808	8,465	5,194	43,451
9:00am	17,234	10,924	7,546	5,221	40,925
10:00am	15,382	9,176	6,813	5,531	36,902
11:00am	14,817	8,452	6,381	4,421	34,071
12:00pm	14,606	8,562	5,587	3,992	32,747
1:00pm	14,491	8,381	5,765	3,899	32,536
2:00pm	14,741	8,896	5,885	4,080	33,602
3:00pm	15,715	8,689	6,178	4,056	34,638
4:00pm	16,276	8,756	6,270	3,925	35,227
5:00pm	16,554	8,855	5,947	3,701	35,057
6:00pm	16,708	8,463	6,291	4,012	35,474
7:00pm	16,686	8,293	6,271	3,842	35,092
8:00pm	15,853	8,089	5,482	3,428	32,852
9:00pm	15,055	7,906	5,124	3,177	31,262
10:00pm	14,651	7,511	4,296	3,026	29,484
11:00pm	12,645	6,549	3,496	2,262	24,952
<b>TOTAL</b>	<b>314,415</b>	<b>180,424</b>	<b>126,467</b>	<b>87,594</b>	<b>708,900</b>

### OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	7,999	6,917	4,863	2,475	22,254
1:00am	4,845	4,073	3,167	1,854	13,939
2:00am	3,376	2,670	2,056	1,325	9,427
3:00am	3,139	2,093	1,717	959	7,908
4:00am	4,296	2,323	2,129	1,344	10,092
5:00am	7,459	3,716	3,083	2,302	16,560
6:00am	12,567	5,573	3,656	3,212	25,008
7:00am	16,041	6,548	3,856	3,800	30,245
8:00am	16,110	6,931	3,522	3,467	30,030
9:00am	14,876	6,753	3,181	3,146	27,956
10:00am	14,526	6,665	4,059	3,651	28,901
11:00am	14,166	6,939	4,454	4,144	29,703
12:00pm	14,222	7,040	5,252	4,271	30,785
1:00pm	14,897	7,390	5,686	5,050	33,023
2:00pm	15,862	8,174	6,283	5,612	35,931
3:00pm	16,554	9,304	7,515	5,918	39,291
4:00pm	16,212	10,205	7,851	6,599	40,867
5:00pm	16,628	10,286	7,344	5,938	40,196
6:00pm	16,851	10,711	6,585	6,074	40,221
7:00pm	16,779	10,267	7,015	6,094	40,155
8:00pm	16,208	10,263	6,917	5,329	38,717
9:00pm	16,005	9,597	6,440	5,181	37,223
10:00pm	15,871	9,280	5,728	4,978	35,857
11:00pm	12,815	8,756	5,643	4,184	31,398
<b>TOTAL</b>	<b>308,304</b>	<b>172,474</b>	<b>118,002</b>	<b>96,907</b>	<b>695,687</b>

**SECTION E**  
**AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY FACILITY**  
**60<sup>TH</sup> STREET SECTOR, 2016-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	1,578	293	1,795	822	264	977	-	361	808	233	887	8,018
1:00am	833	157	1,094	518	129	613	-	206	491	126	539	4,706
2:00am	555	101	797	381	85	391	-	137	341	83	409	3,280
3:00am	554	116	798	357	60	356	-	115	272	69	367	3,064
4:00am	879	203	1,061	514	82	357	-	122	311	79	653	4,261
5:00am	2,400	354	1,698	753	174	685	-	173	459	154	2,171	9,021
6:00am	4,035	573	1,910	993	428	1124	-	367	788	304	4,370	14,892
7:00am	4,806	545	1,803	1191	1,085	1464	-	742	1,023	523	4,593	17,775
8:00am	4,909	587	1,678	1155	1,178	1262	541	928	827	575	4,344	17,984
9:00am	4,757	587	1,625	1002	1,007	1181	555	917	922	607	4,074	17,234
10:00am	4,123	719	1,762	828	889	1137	38	907	898	537	3,544	15,382
11:00am	4,040	773	1,796	850	823	1118	-	832	855	551	3,179	14,817
12:00pm	4,060	789	1,863	777	797	1153	-	834	919	563	2,851	14,606
1:00pm	4,086	815	1,851	849	702	1087	-	791	927	566	2,817	14,491
2:00pm	4,248	873	1,779	863	680	1029	-	783	830	594	3,062	14,741
3:00pm	4,269	897	2,068	1020	855	1064	-	759	725	652	3,406	15,715
4:00pm	4,424	930	2,145	1030	797	1031	-	787	998	618	3,516	16,276
5:00pm	4,599	905	1,997	1013	927	1056	-	829	1,102	673	3,453	16,554
6:00pm	4,490	835	2,095	1039	1,076	1099	-	844	1,032	722	3,476	16,708
7:00pm	4,422	834	2,266	1154	1,211	1219	-	795	768	803	3,214	16,686
8:00pm	3,995	824	2,238	1269	1,228	1278	-	710	1,020	778	2,513	15,853
9:00pm	3,739	725	2,046	1399	1,141	1221	-	688	1,123	689	2,284	15,055
10:00pm	3,610	650	2,121	1260	1,029	1258	-	724	1,169	613	2,217	14,651
11:00pm	2,756	539	2,309	1234	747	1165	-	563	1,173	505	1,654	12,645
<b>TOTAL</b>	<b>82,167</b>	<b>14,624</b>	<b>42,595</b>	<b>22,271</b>	<b>17,394</b>	<b>24,325</b>	<b>1,134</b>	<b>14,914</b>	<b>19,781</b>	<b>11,617</b>	<b>63,593</b>	<b>314,415</b>

\* 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 60<sup>th</sup> 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 19, 2016). 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, 2016-OUTBOUND

HOURS	FDR DRIVE	YORK AVE	FIRST AVE	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	1,357	262	735	904	749	268	796	-	355	386	494	104	1,589	7,999
1:00am	885	119	429	557	545	127	470	-	186	255	320	55	897	4,845
2:00am	638	92	325	483	391	73	278	-	126	169	242	43	516	3,376
3:00am	565	92	303	624	393	66	229	-	96	146	221	35	369	3,139
4:00am	841	159	400	1,137	442	80	250	-	116	139	264	65	403	4,296
5:00am	1,751	271	621	2,107	684	134	347	-	211	188	425	143	577	7,459
6:00am	3,391	545	1,166	2,043	1,106	447	745	-	425	315	749	337	1,298	12,567
7:00am	3,553	480	1,397	1,831	1,542	1,026	1,113	183	642	539	902	419	2,414	16,041
8:00am	3,811	547	1,331	1,581	1,548	1,036	1,064	228	646	560	897	429	2,432	16,110
9:00am	3,384	586	1,170	1,618	1,471	873	949	204	645	538	942	502	1,994	14,876
10:00am	3,285	519	1,139	1,684	1,279	811	877	230	666	506	917	505	2,108	14,526
11:00am	3,290	502	997	1,518	1,275	820	847	221	606	501	911	488	2,190	14,166
12:00pm	3,253	540	1,071	1,498	1,202	821	845	244	617	484	869	437	2,341	14,222
1:00pm	3,382	476	1,054	1,683	1,171	825	848	247	637	534	908	424	2,708	14,897
2:00pm	3,499	509	1,179	1,699	1,226	862	905	274	685	527	945	435	3,117	15,862
3:00pm	3,476	543	1,176	1,655	1,154	964	943	305	620	614	1,104	521	3,479	16,554
4:00pm	3,208	508	1,108	1,710	1,025	1,002	1,032	374	589	687	1,240	748	2,981	16,212
5:00pm	3,170	606	1,322	1,813	1,136	1,079	1,039	413	622	676	1,253	876	2,623	16,628
6:00pm	3,086	423	1,284	1,709	1,211	1,152	1,200	395	734	751	1,241	731	2,934	16,851
7:00pm	3,394	386	1,223	1,593	1,344	1,124	1,385	-	776	730	1,122	613	3,089	16,779
8:00pm	3,524	444	1,155	1,531	1,328	954	1,418	-	751	613	986	367	3,137	16,208
9:00pm	3,465	421	1,070	1,564	1,233	902	1,494	-	758	595	975	310	3,218	16,005
10:00pm	3,230	431	1,167	1,526	1,142	878	1,521	-	791	649	978	295	3,263	15,871
11:00pm	2,219	344	924	1,340	998	616	1,331	-	626	534	801	226	2,856	12,815
<b>TOTAL</b>	<b>65,657</b>	<b>9,805</b>	<b>23,746</b>	<b>35,408</b>	<b>25,595</b>	<b>16,940</b>	<b>21,926</b>	<b>3,318</b>	<b>12,926</b>	<b>11,636</b>	<b>19,706</b>	<b>9,108</b>	<b>52,533</b>	<b>308,304</b>

\* 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 60<sup>th</sup> 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 19, 2016). 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, 2016-INBOUND**

HOURS	BROOKLYN SECTOR					QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL
	BROOKLYN BRIDGE	MANHATTAN BRIDGE	WILLIAMSBURG BRIDGE	HUGH L. CAREY TUNNEL	TOTAL	MIDTOWN TUNNEL	ED KOCH QUEENSBORO BRIDGE	TOTAL	HOLLAND TUNNEL	LINCOLN TUNNEL	TOTAL	
12:00am	934	1,322	1,634	454	4,344	676	1,915	2,591	596	716	1,312	8,247
1:00am	669	763	1,159	278	2,869	538	1,313	1,851	387	473	860	5,580
2:00am	487	582	888	93	2,050	172	1,178	1,350	335	424	759	4,159
3:00am	516	555	883	58	2,012	116	1,434	1,550	388	526	914	4,476
4:00am	879	785	1,388	68	3,120	124	2,513	2,637	720	1,056	1,776	7,533
5:00am	1,764	1,687	2,625	162	6,238	305	4,547	4,852	2,216	3,172	5,388	16,478
6:00am	3,396	2,511	2,857	753	9,517	1,126	6,219	7,345	2,745	4,279	7,024	23,886
7:00am	3,354	3,011	2,637	1,962	10,964	2,589	5,905	8,494	2,661	3,133	5,794	25,252
8:00am	3,439	2,781	2,504	3,084	11,808	3,380	5,085	8,465	2,568	2,626	5,194	25,467
9:00am	2,883	2,877	2,174	2,990	10,924	3,258	4,288	7,546	2,499	2,722	5,221	23,691
10:00am	2,349	2,622	2,011	2,194	9,176	2,991	3,822	6,813	2,465	3,066	5,531	21,520
11:00am	2,181	2,262	2,006	2,003	8,452	2,733	3,648	6,381	1,959	2,462	4,421	19,254
12:00pm	2,288	2,039	2,258	1,977	8,562	2,009	3,578	5,587	1,720	2,272	3,992	18,141
1:00pm	2,351	2,030	2,230	1,770	8,381	1,945	3,820	5,765	1,614	2,285	3,899	18,045
2:00pm	2,713	1,988	2,357	1,838	8,896	1,916	3,969	5,885	1,819	2,261	4,080	18,861
3:00pm	2,782	1,837	2,461	1,609	8,689	1,978	4,200	6,178	1,984	2,072	4,056	18,923
4:00pm	2,789	1,825	2,443	1,699	8,756	2,116	4,154	6,270	2,282	1,643	3,925	18,951
5:00pm	2,942	1,918	2,449	1,546	8,855	1,671	4,276	5,947	2,503	1,198	3,701	18,503
6:00pm	2,850	2,007	2,346	1,260	8,463	2,109	4,182	6,291	2,507	1,505	4,012	18,766
7:00pm	2,852	1,994	2,309	1,138	8,293	2,230	4,041	6,271	2,162	1,680	3,842	18,406
8:00pm	2,873	1,786	2,347	1,083	8,089	2,044	3,438	5,482	1,607	1,821	3,428	16,999
9:00pm	2,796	1,870	2,456	784	7,906	1,799	3,325	5,124	1,465	1,712	3,177	16,207
10:00pm	2,596	1,973	2,397	545	7,511	1,110	3,186	4,296	1,378	1,648	3,026	14,833
11:00pm	1,446	2,443	2,260	400	6,549	787	2,709	3,496	1,017	1,245	2,262	12,307
<b>TOTAL</b>	<b>54,129</b>	<b>45,468</b>	<b>51,079</b>	<b>29,748</b>	<b>180,424</b>	<b>39,722</b>	<b>86,745</b>	<b>126,467</b>	<b>41,597</b>	<b>45,997</b>	<b>87,594</b>	<b>394,485</b>

**Note:** Volumes for the four East River bridges, and for the 60<sup>th</sup> 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 19, 2016). 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, 2016-OUTBOUND

HOURS	BROOKLYN SECTOR					QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL
	BROOKLYN BRIDGE	MANHATTAN BRIDGE	WILLIAMSBURG BRIDGE	HUGH L. CAREY TUNNEL	TOTAL	MIDTOWN TUNNEL	ED KOCH QUEENSBORO BRIDGE	TOTAL	HOLLAND TUNNEL	LINCOLN TUNNEL	TOTAL	
12:00am	2,022	1,492	2,314	1,089	6,917	1,133	3,730	4,863	874	1,601	2,475	14,255
1:00am	1,046	1,055	1,491	481	4,073	782	2,385	3,167	922	932	1,854	9,094
2:00am	677	728	1,049	216	2,670	395	1,661	2,056	732	593	1,325	6,051
3:00am	514	607	832	140	2,093	243	1,474	1,717	573	386	959	4,769
4:00am	636	625	951	111	2,323	184	1,945	2,129	810	534	1,344	5,796
5:00am	1,125	940	1,477	174	3,716	471	2,612	3,083	1,568	734	2,302	9,101
6:00am	2,047	1,416	1,949	161	5,573	854	2,802	3,656	2,089	1,123	3,212	12,441
7:00am	2,533	1,476	2,131	408	6,548	1,210	2,646	3,856	2,445	1,355	3,800	14,204
8:00am	2,553	1,673	2,062	643	6,931	1,256	2,266	3,522	2,298	1,169	3,467	13,920
9:00am	2,532	1,369	2,001	851	6,753	1,133	2,048	3,181	1,998	1,148	3,146	13,080
10:00am	2,294	1,340	2,182	849	6,665	1,102	2,957	4,059	2,124	1,527	3,651	14,375
11:00am	2,379	1,309	2,262	989	6,939	1,246	3,208	4,454	2,122	2,022	4,144	15,537
12:00pm	2,255	1,417	2,265	1,103	7,040	1,769	3,483	5,252	2,042	2,229	4,271	16,563
1:00pm	2,255	1,499	2,422	1,214	7,390	1,968	3,718	5,686	2,379	2,671	5,050	18,126
2:00pm	2,408	1,815	2,686	1,265	8,174	2,009	4,274	6,283	2,459	3,153	5,612	20,069
3:00pm	2,658	2,277	2,930	1,439	9,304	2,392	5,123	7,515	2,271	3,647	5,918	22,737
4:00pm	2,432	2,451	3,204	2,118	10,205	2,535	5,316	7,851	2,265	4,334	6,599	24,655
5:00pm	2,508	2,365	3,055	2,358	10,286	2,443	4,901	7,344	1,941	3,997	5,938	23,568
6:00pm	2,798	2,390	2,755	2,768	10,711	2,352	4,233	6,585	2,117	3,957	6,074	23,370
7:00pm	2,957	2,178	2,730	2,402	10,267	2,470	4,545	7,015	2,321	3,773	6,094	23,376
8:00pm	2,868	2,333	2,808	2,254	10,263	2,401	4,516	6,917	2,490	2,839	5,329	22,509
9:00pm	2,968	2,276	2,996	1,357	9,597	2,252	4,188	6,440	2,492	2,689	5,181	21,218
10:00pm	2,649	2,293	2,947	1,391	9,280	1,325	4,403	5,728	2,383	2,595	4,978	19,986
11:00pm	2,436	2,292	3,012	1,016	8,756	1,236	4,407	5,643	2,169	2,015	4,184	18,583
<b>TOTAL</b>	<b>51,550</b>	<b>39,616</b>	<b>54,511</b>	<b>26,797</b>	<b>172,474</b>	<b>35,161</b>	<b>82,841</b>	<b>118,002</b>	<b>45,884</b>	<b>51,023</b>	<b>96,907</b>	<b>387,383</b>

**Note:** Volumes for the four East River bridges, and for the 60<sup>th</sup> 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 19, 2016). Thus, there may be some variation in this report and the reports produced by NYC DOT.

# SECTION F FERRY AND TRAMWAY PASSENGERS BY FACILITY 2016-INBOUND

HOURS	BROOKLYN FERRY *	NEW JERSEY FERRY	STATEN ISLAND FERRY	TOTAL FERRIES	ROOSEVELT ISLAND (RI) TRAMWAY	TOTAL FERRIES and RI TRAMWAY
12:00am	0	3	272	275	7	282
1:00am	0	0	168	168	14	182
2:00am	0	0	94	94	0	94
3:00am	0	0	69	69	0	69
4:00am	0	0	80	80	0	80
5:00am	0	420	282	702	31	733
6:00am	0	1,423	1,129	2,552	84	2,636
7:00am	0	3,335	3,072	6,407	406	6,813
8:00am	0	5,128	5,418	10,546	756	11,302
9:00am	0	2,125	6,351	8,476	475	8,951
10:00am	7	858	2,185	3,050	230	3,280
11:00am	0	513	1,704	2,217	238	2,455
12:00pm	33	583	1,766	2,382	229	2,611
1:00pm	6	420	2,348	2,774	214	2,988
2:00pm	70	328	2,105	2,503	268	2,771
3:00pm	88	429	2,352	2,869	344	3,213
4:00pm	71	701	2,999	3,771	310	4,081
5:00pm	135	933	2,427	3,495	338	3,833
6:00pm	97	589	1,998	2,684	245	2,929
7:00pm	42	273	1,336	1,651	126	1,777
8:00pm	17	103	774	894	71	965
9:00pm	0	58	764	822	53	875
10:00pm	0	33	570	603	45	648
11:00pm	0	9	448	457	37	494
<b>TOTAL</b>	<b>566</b>	<b>18,264</b>	<b>40,711</b>	<b>59,541</b>	<b>4,521</b>	<b>64,062</b>

## 2016-OUTBOUND

HOURS	BROOKLYN FERRY *	QUEENS FERRY	STATEN ISLAND FERRY	TOTAL FERRIES	ROOSEVELT IS- LAND TRAMWAY (RI)	TOTAL FERRIES and RI TRAMWAY
12:00am	0	0	19	1,125	33	1,177
1:00am	0	0	0	727	20	747
2:00am	0	0	0	448	0	448
3:00am	0	0	0	241	0	241
4:00am	0	0	0	178	0	178
5:00am	0	0	0	166	6	172
6:00am	0	3	49	186	55	293
7:00am	0	4	355	763	73	1,195
8:00am	0	37	477	760	67	1,341
9:00am	0	52	350	892	116	1,410
10:00am	6	36	237	755	265	1,299
11:00am	92	62	280	1,200	190	1,824
12:00pm	80	61	371	1,821	172	2,505
1:00pm	61	23	469	1,979	231	2,763
2:00pm	153	107	597	2,219	324	3,400
3:00pm	169	248	948	2,408	460	4,233
4:00pm	93	41	2,119	3,001	386	5,640
5:00pm	169	306	3,828	5,113	551	9,967
6:00pm	64	175	3,890	6,772	613	11,514
7:00pm	85	97	1,985	4,876	433	7,476
8:00pm	0	9	714	2,841	300	3,864
9:00pm	0	0	529	1,963	192	2,684
10:00pm	0	0	236	1,701	109	2,046
11:00pm	0	0	119	1,270	88	1,477
<b>TOTAL</b>	<b>972</b>	<b>1,261</b>	<b>17,572</b>	<b>43,405</b>	<b>4,684</b>	<b>67,894</b>

\* Brooklyn Sector (IKEA Ferry)

**SECTION G**  
**BICYCLE VOLUMES BY SECTOR**  
**SUMMARY, 2016-INBOUND**

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	STATEN ISLAND SECTOR ABOARD FERRY	TOTAL
12:00am	-	134	11	-	145
1:00am	-	126	6	-	132
2:00am	-	79	4	-	83
3:00am	-	63	9	-	72
4:00am	-	67	35	-	102
5:00am	-	119	119	-	238
6:00am	432	287	217	26	962
7:00am	951	612	307	43	1,913
8:00am	1,718	1,411	424	61	3,614
9:00am	1,341	1,321	309	33	3,004
10:00am	939	672	252	21	1,884
11:00am	1,188	456	132	19	1,795
12:00pm	1,354	385	84	17	1,840
1:00pm	1,291	357	91	12	1,751
2:00pm	1,134	349	124	22	1,629
3:00pm	1,033	357	139	14	1,543
4:00pm	1,033	360	129	15	1,537
5:00pm	1,342	416	146	22	1,926
6:00pm	1,601	418	100	12	2,131
7:00pm	1,614	269	66	9	1,958
8:00pm	1,350	176	47	8	1,581
9:00pm	847	135	37	4	1,023
10:00pm	488	125	30	9	652
11:00pm	308	139	23	3	473
<b>TOTAL</b>	<b>19,964</b>	<b>8,833</b>	<b>2,841</b>	<b>350</b>	<b>31,988</b>

**SUMMARY, 2016-OUTBOUND**

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	STATEN ISLAND SECTOR ABOARD FERRY	TOTAL
12:00am	-	184	91	-	275
1:00am	-	111	46	-	157
2:00am	-	77	22	-	99
3:00am	-	59	11	-	70
4:00am	-	60	14	-	74
5:00am	-	58	19	-	77
6:00am	355	104	38	4	501
7:00am	660	153	60	5	878
8:00am	808	238	74	3	1,123
9:00am	758	264	53	7	1,082
10:00am	718	258	48	6	1,030
11:00am	892	268	44	5	1,209
12:00pm	1,144	272	53	9	1,478
1:00pm	1,151	273	62	7	1,493
2:00pm	1,076	327	99	20	1,522
3:00pm	996	413	177	28	1,614
4:00pm	1,254	549	263	42	2,108
5:00pm	1,941	930	334	38	3,243
6:00pm	2,465	1,405	355	59	4,284
7:00pm	2,155	1,028	263	37	3,483
8:00pm	1,453	621	174	33	2,281
9:00pm	1,097	466	162	12	1,737
10:00pm	694	398	164	23	1,279
11:00pm	482	333	163	21	999
<b>TOTAL</b>	<b>20,099</b>	<b>8,849</b>	<b>2,789</b>	<b>359</b>	<b>32,096</b>

**SECTION G**  
**BICYCLE VOLUMES BY FACILITY**  
**60<sup>TH</sup> STREET SECTOR, 2016-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 GREENWAY	TOTAL
12:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00am	-	103	1	23	24	1	36	-	40	30	1	27	1	8	-	137	432
7:00am	3	193	-	42	41	1	87	-	65	52	7	76	2	29	1	352	951
8:00am	6	370	1	58	55	2	138	-	99	175	9	164	3	17	1	620	1,718
9:00am	13	245	1	67	40	2	122	1	90	132	3	144	1	26	-	454	1,341
10:00am	6	157	1	70	50	1	125	-	85	71	1	113	4	24	2	229	939
11:00am	1	169	3	125	85	2	191	2	102	104	8	142	7	25	1	221	1,188
12:00pm	13	136	9	181	102	5	215	7	131	104	8	204	10	40	2	187	1,354
1:00pm	5	174	4	136	98	5	199	10	130	88	11	233	7	34	1	156	1,291
2:00pm	4	154	5	110	56	2	161	3	89	97	7	198	10	37	2	199	1,134
3:00pm	5	199	3	71	30	3	122	5	71	94	15	155	7	30	-	223	1,033
4:00pm	-	199	3	69	26	1	119	2	72	64	9	216	4	42	3	204	1,033
5:00pm	-	259	5	89	80	4	140	7	98	75	17	223	9	42	3	291	1,342
6:00pm	6	353	2	143	102	1	179	8	110	72	17	233	7	35	4	329	1,601
7:00pm	3	314	5	124	98	1	158	15	163	112	33	259	19	35	4	271	1,614
8:00pm	6	353	6	88	51	6	114	16	165	62	28	267	10	46	4	128	1,350
9:00pm	3	217	7	49	19	2	64	21	117	44	18	168	11	30	-	77	847
10:00pm	2	92	5	26	16	1	43	15	78	18	7	119	3	21	-	42	488
11:00pm	-	63	4	12	6	1	18	8	48	17	7	83	-	5	-	36	308
<b>TOTAL</b>	<b>76</b>	<b>3,750</b>	<b>65</b>	<b>1,483</b>	<b>979</b>	<b>41</b>	<b>2,231</b>	<b>120</b>	<b>1,753</b>	<b>1,411</b>	<b>206</b>	<b>3,024</b>	<b>115</b>	<b>526</b>	<b>28</b>	<b>4,156</b>	<b>19,964</b>

**SECTION G**  
**BICYCLE VOLUMES BY LOCATION**  
**60<sup>TH</sup> STREET SECTOR, 2016-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 GREENWAY	TOTAL
12:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00am	59	1	20	-	21	12	1	38	1	2	70	-	18	11	3	98	355
7:00am	134	1	49	2	27	30	1	75	-	5	140	1	23	7	10	155	660
8:00am	169	1	47	-	40	50	-	105	2	7	157	5	32	21	14	158	808
9:00am	145	1	53	1	24	44	1	119	-	6	138	4	25	10	8	179	758
10:00am	92	-	53	1	25	70	-	145	-	9	114	2	20	19	14	154	718
11:00am	97	4	101	5	71	117	1	152	2	8	134	5	32	20	14	129	892
12:00pm	93	7	144	5	99	173	3	130	2	14	197	16	59	29	13	160	1,144
1:00pm	112	13	152	4	73	153	1	177	1	15	184	21	70	26	15	134	1,151
2:00pm	119	10	121	2	41	108	-	137	-	12	233	9	72	21	14	177	1,076
3:00pm	125	9	85	2	28	100	7	115	-	10	210	9	47	20	12	217	996
4:00pm	220	10	100	1	25	109	1	160	-	13	200	10	73	16	24	292	1,254
5:00pm	419	16	142	1	82	176	1	250	-	6	195	2	65	27	20	539	1,941
6:00pm	414	26	163	3	110	207	4	322	-	7	324	8	109	23	28	717	2,465
7:00pm	335	28	173	2	69	212	2	313	3	8	338	16	55	25	20	556	2,155
8:00pm	187	40	134	3	59	114	4	214	16	9	283	27	57	36	19	251	1,453
9:00pm	177	23	132	5	32	79	4	151	3	5	212	29	71	28	14	132	1,097
10:00pm	123	10	88	2	11	36	1	106	8	5	149	11	40	16	7	81	694
11:00pm	100	5	69	3	13	14	-	69	9	3	119	6	12	5	4	51	482
<b>TOTAL</b>	<b>3,120</b>	<b>205</b>	<b>1,826</b>	<b>42</b>	<b>850</b>	<b>1,804</b>	<b>32</b>	<b>2,778</b>	<b>47</b>	<b>144</b>	<b>3,397</b>	<b>181</b>	<b>880</b>	<b>360</b>	<b>253</b>	<b>4,180</b>	<b>20,099</b>

**SECTION G**  
**BICYCLE VOLUMES BY LOCATION**  
**BROOKLYN, QUEENS, and STATEN ISLAND SECTORS, 2016-INBOUND**

HOURS	BROOKLYN				QUEENS	STATEN ISLAND	TOTAL
	WILLIAMSBURG BRIDGE	BROOKLYN BRIDGE	MANHATTAN BRIDGE	TOTAL	ED KOCH QUEENSBORO BRIDGE	ABOARD FERRY	
12:00 am	27	5	102	134	11	-	145
1:00am	16	3	107	126	6	-	132
2:00am	11	2	66	79	4	-	83
3:00am	7	2	54	63	9	-	72
4:00am	9	7	51	67	35	-	102
5:00am	40	15	64	119	119	-	238
6:00am	130	53	104	287	217	26	530
7:00am	288	124	200	612	307	43	962
8:00am	667	306	438	1,411	424	61	1,896
9:00am	659	261	401	1,321	309	33	1,663
10:00am	326	115	231	672	252	21	945
11:00am	217	74	165	456	132	19	607
12:00pm	180	80	125	385	84	17	486
1:00pm	167	84	106	357	91	12	460
2:00pm	166	77	106	349	124	22	495
3:00pm	172	74	111	357	139	14	510
4:00pm	165	82	113	360	129	15	504
5:00pm	194	92	130	416	146	22	584
6:00pm	201	85	132	418	100	12	530
7:00pm	137	52	80	269	66	9	344
8:00pm	93	29	54	176	47	8	231
9:00pm	72	22	41	135	37	4	176
10:00pm	62	17	46	125	30	9	164
11:00pm	53	13	73	139	23	3	165
<b>TOTAL</b>	<b>4,059</b>	<b>1,674</b>	<b>3,100</b>	<b>8,833</b>	<b>2,841</b>	<b>350</b>	<b>12,024</b>

**2016-OUTBOUND**

HOURS	BROOKLYN				QUEENS	STATEN ISLAND	TOTAL
	WILLIAMSBURG BRIDGE	BROOKLYN BRIDGE	MANHATTAN BRIDGE	TOTAL	QUEENSBORO BRIDGE	ABOARD FERRY	
12:00 am	110	20	54	184	91	-	275
1:00am	58	10	43	111	46	-	157
2:00am	34	5	38	77	22	-	99
3:00am	15	4	40	59	11	-	70
4:00am	13	4	43	60	14	-	74
5:00am	11	4	43	58	19	-	77
6:00am	28	15	61	104	38	4	146
7:00am	47	26	80	153	60	5	218
8:00am	70	46	122	238	74	3	315
9:00am	65	48	151	264	53	7	324
10:00am	61	50	147	258	48	6	312
11:00am	71	66	131	268	44	5	317
12:00pm	83	75	114	272	53	9	334
1:00pm	98	76	99	273	62	7	342
2:00pm	125	91	111	327	99	20	446
3:00pm	174	101	138	413	177	28	618
4:00pm	239	138	172	549	263	42	854
5:00pm	394	230	306	930	334	38	1,302
6:00pm	624	287	494	1,405	355	59	1,819
7:00pm	509	187	332	1,028	263	37	1,328
8:00pm	332	104	185	621	174	33	828
9:00pm	260	72	134	466	162	12	640
10:00pm	226	56	116	398	164	23	585
11:00pm	196	42	95	333	163	21	517
<b>TOTAL</b>	<b>3,843</b>	<b>1,757</b>	<b>3,249</b>	<b>8,849</b>	<b>2,789</b>	<b>359</b>	<b>11,997</b>

## **Appendix IV**

### **List of Data Sources - 2016**

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## **LIST OF DATA SOURCES**

The Hub Bound Travel Report measures hourly numbers of persons and vehicles entering and leaving the Manhattan Business District by mode around the clock. The count day is preferably a Wednesday in October, which is considered to be an average month. This report would be impossible to create without the help of various transportation agencies providing NYMTC with basic travel data.

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

### **Rail Rapid Transit**

This information is generated from:

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

### **Bus Transit**

This information is generated from:

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

### **Suburban Rail Transit**

This information is generated from:

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

## **Ferry Transit**

This information is generated from:

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

## **Aerial Tramway**

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

## **Bicycle**

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

## **Motor Vehicles**

This information is generated from:

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