



Hub Bound Travel Data 2023

NEW YORK METROPOLITAN TRANSPORTATION COUNCIL



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Hub Bound Travel Data Report 2023 New York Metropolitan Transportation Council

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Disclaimer

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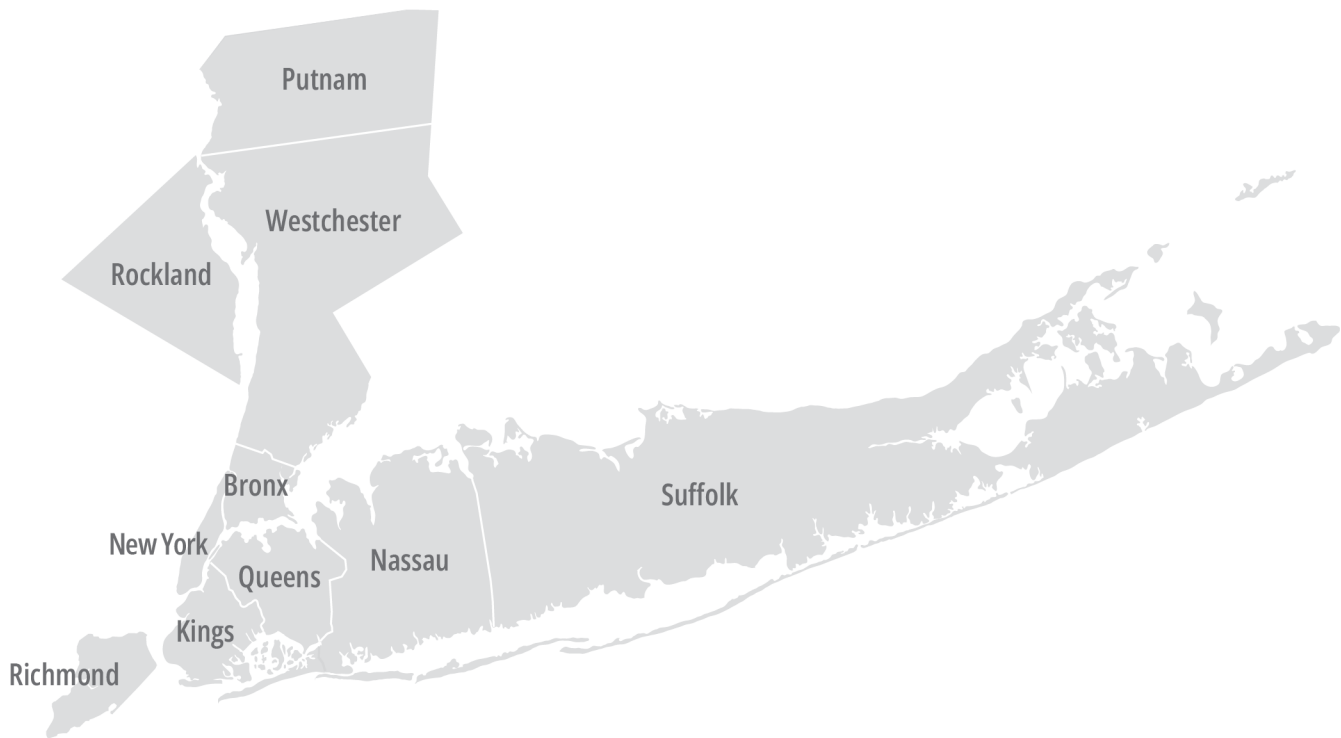
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The New York Metropolitan Transportation Council (NYMTC) is a regional council of governments that is the metropolitan planning organization for New York City, Long Island and the Lower Hudson Valley. NYMTC provides a collaborative planning forum to address transportation-related issues, develop regional plans and make decisions on the use of federal transportation funds. The NYMTC planning area covers 2,440 square miles and includes a population of 12.9 million, which is approximately 65% of New York's population based on the 2023 Census.



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MANHATTAN CBD CORDON CROSSINGS BY SECTOR

60TH STREET SECTOR (WEST SIDE)

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

60TH STREET SECTOR (EAST SIDE)

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

QUEENS SECTOR

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

NEW JERSEY SECTOR

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

C B D

BROOKLYN SECTOR

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

STATEN ISLAND SECTOR

Staten Island Ferry

CROSSING TYPE	
	BRIDGE/ROAD
	TUNNEL
	FERRY

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

Types of Rapid Transit Rail Abbreviations:

IRT

The **Interborough Rapid Transit Company (IRT)** was the private operator of the original underground New York City Subway line that opened in 1904, as well as earlier elevated railways and additional rapid transit lines in New York City. The IRT was purchased by New York City in June 1940. The former IRT lines (the numbered routes in the current subway system: lines 1, 2, 3, 4, 5, 6, 7) are now the A Division or IRT Division of the New York City Subway.

IND

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

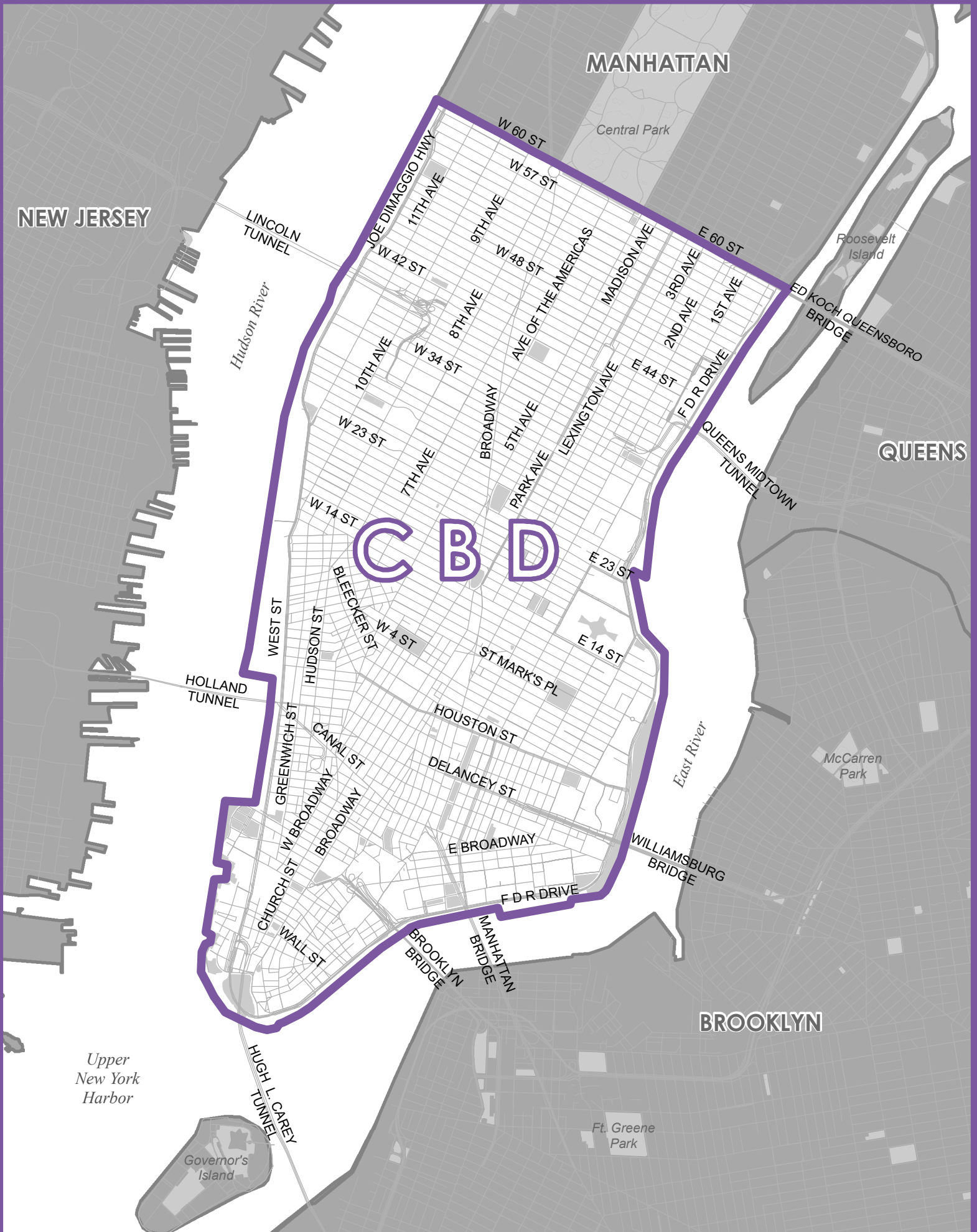
BMT

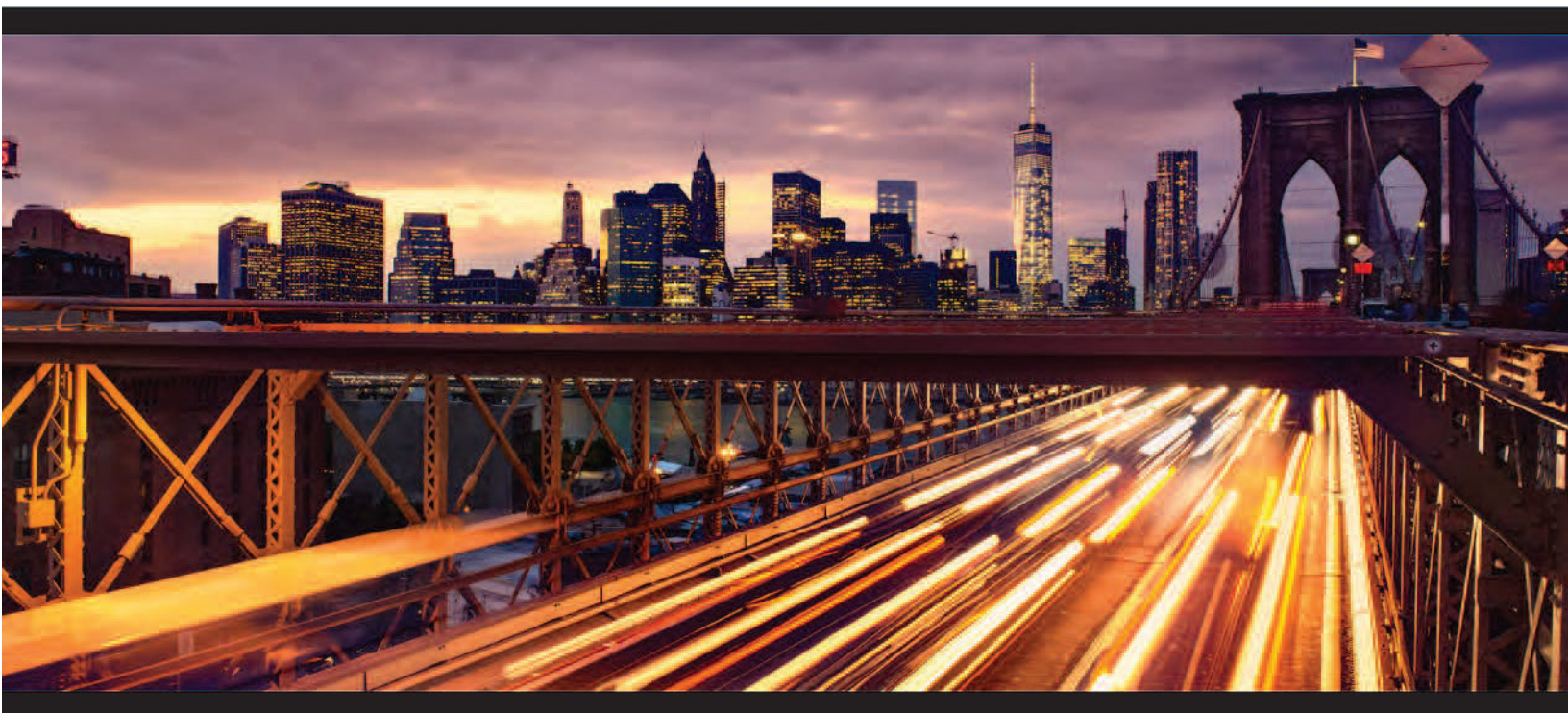
The **Brooklyn–Manhattan Transit Corporation (BMT)** was an urban transit holding company, based in Brooklyn, New York City, United States, and incorporated in 1923. The system was sold to the city in 1940. Today, together with the IND subway system, it forms the B Division (the lettered routes: lines A, B, C, D, E, F, G, J, L, M, N, Q, R, S, W, Z) of the modern New York City Subway.

PATH

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

MANHATTAN CENTRAL BUSINESS DISTRICT MAP





Data Availability:

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

Preface:

The 2023 Hub Bound Travel Data Report provides data and analysis on the numerous transportation services and facilities serving the “Hub” of the region, which includes the Manhattan Central Business District (CBD) (the lower portion of Manhattan from the northern boundary of 60th Street to the southern boundary of Battery Park). The report examines travel to and from the Hub by several modes, e.g. public transportation, private motor vehicle, and bicycle. The data presented in the report details entry to and exit from the Hub at specific facilities for each hour on a typical fall business day. Travel in fall and spring days are considered to be representative of average travel behavior. We report a typical fall business day rather than a typical spring business day in order to maintain consistency with historical data. For this analysis, most of the data were collected on a business day in October (specifically on October 18, 2023). Vehicle and person travels are shown for all public and private transportation modes. **The sectors in the tables (60th Street, Queens, Brooklyn, Staten Island and New Jersey) represent entry and exit points for people and vehicles, not actual trip origins or destinations.**

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

The 2023 Hub Bound travel data in this report are shown in four appendices:

Appendix I

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

Appendix II

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

Appendix III

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

Appendix IV

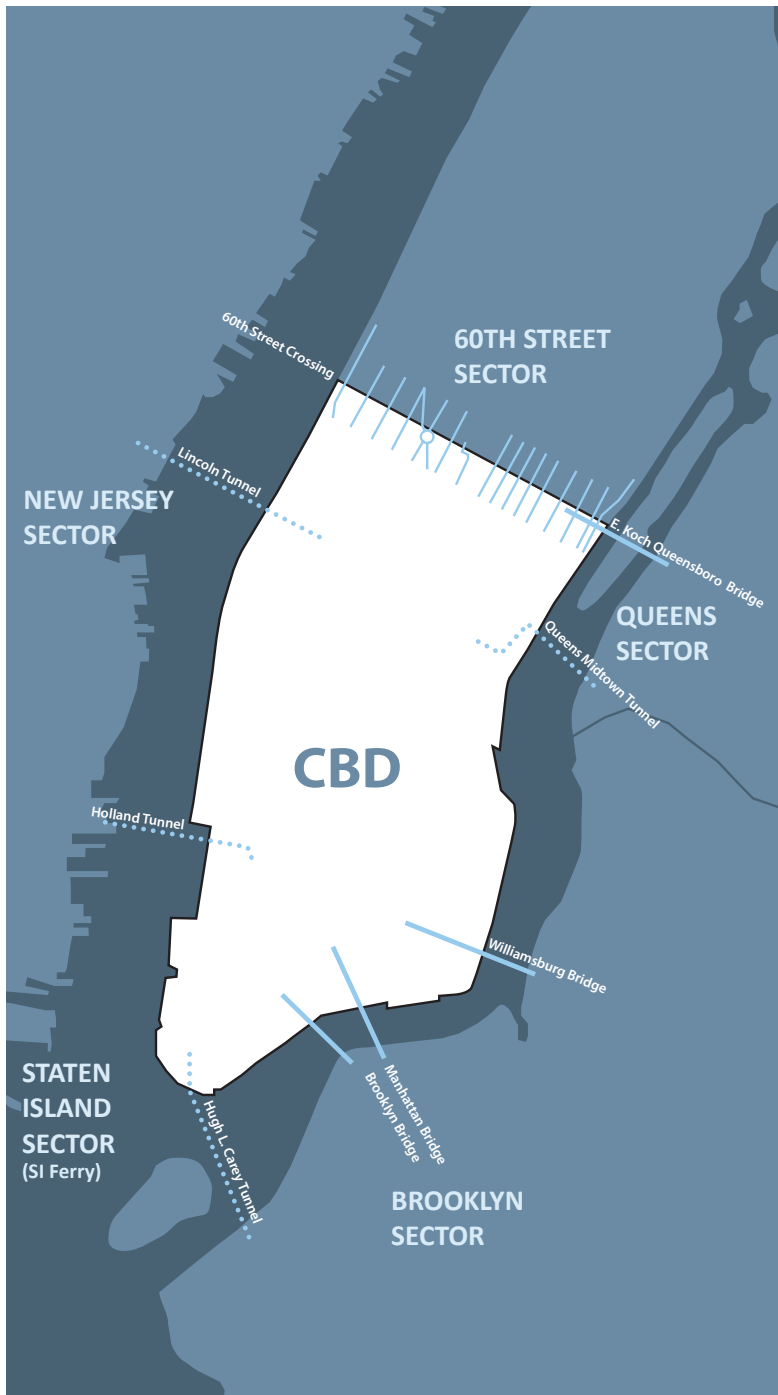
Lists the various public and private agencies that have jurisdiction over travel through the CBD gateways and have traditionally made their survey data available for this report.

History:

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

Thank you To:

AMTRAK- National Railroad Passenger Corporation
MTA- Metropolitan Transportation Authority
NJ Transit- New Jersey Transit Corporation
NYCDOT- New York City Department of Transportation
PANY&NJ- Port Authority of New York & New Jersey
RIOC- Roosevelt Island Operating Corporation
WCDOT- Westchester County Department of Transportation



THE HUB OF THE REGION

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

- The most traveled routes in the region are those to and from the Hub.
- More than 2.2 million people were employed in the CBD in 2023.
- There are significant numbers of commercial, educational and cultural activities for which the Manhattan CBD is renowned.

SECTORS OF ENTRY

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

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

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

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

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

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

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

HIGHLIGHTS

On a typical fall business day in 2023, nearly 2.9 million people entered Manhattan's Central Business District (CBD), marking a 4.4% increase (almost 123,000 people) compared to 2022. However, this remains 26% below pre-pandemic levels in 2019, when daily entries exceeded 3.9 million.

Throughout the survey day, close to 5.8 million people gathered, both entering and exiting the CBD, reflecting a 4.9% year-over-year increase. This is still approximately 1.9 million or 25% fewer travelers compared to 2019.

Public Transportation Usage: Continues to Rebound



- About 4 million people used public transportation on the survey date. This represents a 6.6% increase compared to 2022, with roughly 250,000 more individuals opting for public transit (Table 5).
- Subway ridership rose 2.6% year-over-year, with MTA NYC Transit subways carrying 78% of the all rail passengers.
- Suburban and intercity rail services saw a 24% year-over-year ridership increase, indicating a strong return of regional commuters.
- Bus ridership grew 12.3%, with express buses making up 88% of all bus travel—notably, 82% of express bus riders commuted from New Jersey.
- Ferry ridership increased 14%, with Staten Island Ferry passengers accounting for 53% of total ferry trips.

Private Vehicle Travel: Shows Mixed Trends



- 1.6 million trips were made into and out of the CBD via autos, taxis, vans, and trucks—up 0.9% from 2022 but 12% below 2019 levels.
- 42% of private vehicles entered via the 60th Street sector, followed by Brooklyn (27%), Queens (16%), and New Jersey (15%).
- Private vehicle congestion peaked between 6 AM and 9 AM, with afternoon outbound traffic spreading out from 2 PM to 7 PM.

Peak Periods and Reverse Commuting: Align with Previous Trends



- The busiest morning hour was 8 AM to 9 AM, with 380,000 entries—1.4% lower than 2022 but consistent with long-term trends.
- The evening peak (5 PM - 6 PM) saw 360,000 exits, an increase of 7.9% from 2022.
- Reverse commuting (travel in the opposite direction of peak flow) made up 27% of morning peak travel, with 52% of reverse commuters using the subway.

Bicycle & Tramway: Usage on the Rise



- 83,400 daily bicycle trips were recorded (1.4% of the modeshare), a 5.9% increase from 2022. The majority (67%) entered via the 60th Street sector, while 23% came from Brooklyn and 9% from Queens.
- The Roosevelt Island Tramway saw a 92% surge in ridership, largely due to F train service disruptions.

Ongoing Travel Recovery and Future Implications



- While CBD travel has rebounded since 2020, overall volumes remain below 2019 levels, particularly in weekday office commutes.
- Shifts in work-from-home policies, transit service adjustments, and congestion pricing initiatives could further reshape travel patterns in the coming years.

QUICK REFERENCE DATA

PERSONS ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY BY MODE AND SECTOR, IN 2023

SECTOR / MODE	Entering	Leaving	Total
60TH STREET			
SUBWAY	557,249	546,995	1,104,244
AUTOS, TAXIS, VANS AND TRUCKS	367,356	327,382	694,738
BUS	32,236	37,621	69,857
SUBURBAN AND INTERCITY RAIL	85,275	86,599	171,874
FERRY	1,010	1,217	2,227
BICYCLE	28,109	27,522	55,631
TOTAL 60TH STREET SECTOR - ALL MODES	1,071,235	1,027,336	2,098,571
BROOKLYN			
SUBWAY	538,237	518,796	1,057,033
AUTOS, TAXIS, VANS AND TRUCKS	194,558	226,117	420,675
BUS	17,658	17,215	34,873
SUBURBAN AND INTERCITY RAIL	-	-	-
FERRY	1,890	2,232	4,122
BICYCLE	9,512	9,944	19,456
TOTAL BROOKLYN SECTOR - ALL MODES	761,855	774,304	1,536,159
QUEENS (and TRAMWAY)			
SUBWAY	305,607	295,912	601,519
AUTOS, TAXIS, VANS AND TRUCKS	120,131	147,277	267,408
BUS	10,278	9,336	19,614
SUBURBAN AND INTERCITY RAIL	120,272	112,434	232,706
FERRY	4,487	4,517	9,004
BICYCLE	4,102	3,669	7,771
TRAMWAY	5,152	5,449	10,601
TOTAL QUEENS SECTOR - ALL MODES	570,029	578,594	1,148,623
NEW JERSEY			
SUBWAY/PATH	93,166	91,314	184,480
AUTOS, TAXIS, VANS AND TRUCKS	118,358	123,865	242,223
BUS	154,610	146,150	300,760
SUBURBAN AND INTERCITY RAIL	91,023	86,772	177,795
FERRY	14,403	13,284	27,687
BICYCLE	-	-	-
TOTAL NEW JERSEY SECTOR - ALL MODES	471,560	461,385	932,945
STATEN ISLAND (via FERRY)			
SUBWAY	-	-	-
AUTOS, TAXIS, VANS AND TRUCKS	-	-	-
BUS	-	-	-
SUBURBAN AND INTERCITY RAIL	-	-	-
FERRY	24,319	24,631	48,950
BICYCLE	289	293	582
TOTAL STATEN ISLAND (via FERRY)	24,608	24,924	49,532
ALL SECTORS			
SUBWAY	1,494,259	1,453,017	2,947,276
AUTOS, TAXIS, VANS AND TRUCKS	800,403	824,641	1,625,044
BUS	214,782	210,322	425,104
SUBURBAN AND INTERCITY RAIL	296,570	285,805	582,375
FERRY	46,109	45,881	91,990
BICYCLE	42,012	41,428	83,440
TRAMWAY	5,152	5,449	10,601
TOTAL ALL SECTORS - ALL MODES	2,899,287	2,866,543	5,765,830

Note: The 2023 Hub Bound survey data show that impacts on travel behavior triggered by the COVID-19 pandemic remain. However, there has been continuous and steady increase in travel since 2020.

MODE OF TRAVEL

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

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

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

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

Bus service is provided on local and express routes by MTA New York City Transit and on express routes by MTA Bus Company, NJ Transit, Westchester County Bee-Line, and by private operators outside of the five boroughs of New York City. Local buses charge a single fare while express buses charge a distance-based fare.

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

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

Ferry service is provided by the following ferry operators (all but one are private operators):

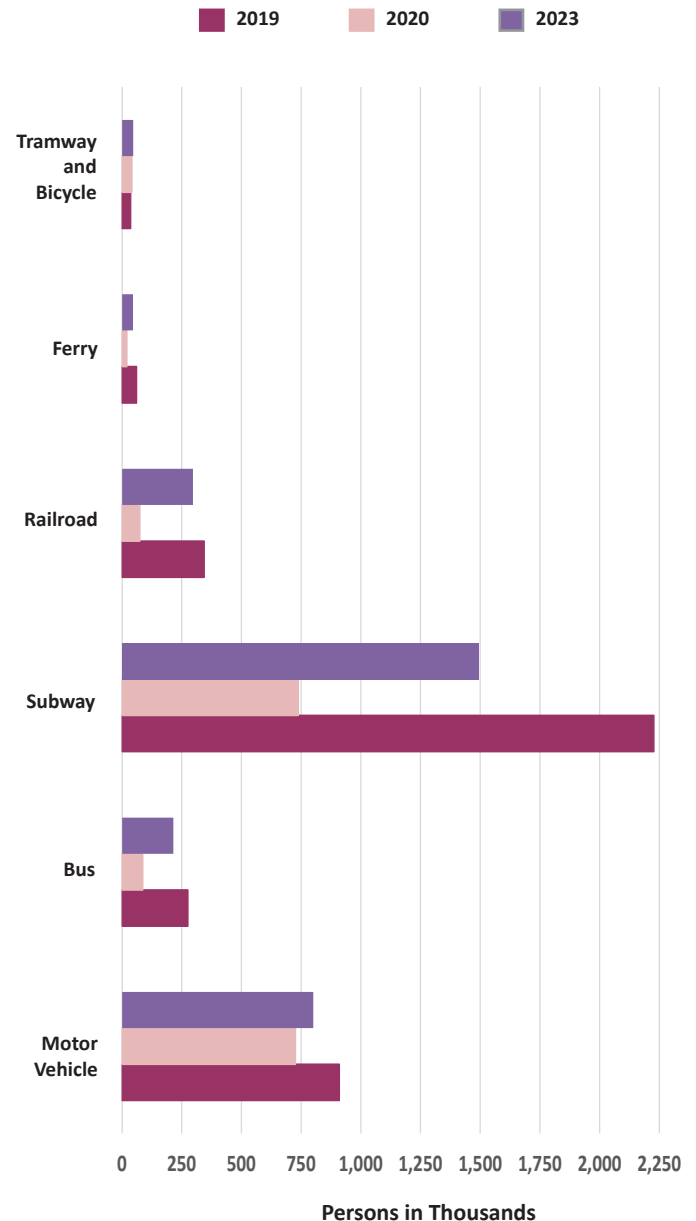
- Staten Island Ferry (public ferry)
- NY Waterway
- NYC Ferry by Hornblower
- NY Water Taxi and Circle Line Downtown
- Liberty Landing Ferry
- Seastreak Ferry

Tramway service is provided by Roosevelt Island Operating Corporation.

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

Share of travel modes is shown in Figure 12 on page 13.

FIGURE 1
TOTAL NUMBER OF PEOPLE ENTERING THE HUB ON A FALL BUSINESS DAY BY MODE IN 2019, 2020, and 2023



A. Subway

The subway system continued to be the most popular mode of public transportation in 2023, transporting nearly 2.9 million passengers (approximately 51% of the travelers). The number of commuters increased by about 2.6% since 2022, with a daily average of nearly 1.5 million passengers coming into the Hub. In 2023, the subway system transported about 73,000 more passengers to and from the Hub compared with 2022 (Figure 1 and Table 1A, Appendix I).

B. Bus

Bus service into the Hub is provided primarily by the MTA through its two sub-agencies: New York City Transit (NYCT) and MTA Bus Company. NYCT operates nearly all local bus routes within and through the Hub, as well as numerous express routes connecting it to the outer boroughs. The MTA Bus Company also provides service on express bus routes in and out of the Hub.

This report organizes bus ridership based on the point of entry into the Hub, rather than by originating location. In 2023, buses brought roughly 215,000 passengers daily into the Hub. Nearly 72% (or around 155,000) of these were New Jersey bus riders using express routes. In general, most individual CBD sectors have significantly higher proportions of passengers using express buses compared to local buses.

This is particularly true for New Jersey, where 100% of the bus riders entering the Hub use express buses. Similarly, from the Brooklyn Sector nearly 100% and from Queens Sector about 81% of bus commuters are express bus passengers. Conversely, only about 25% of all bus passengers entering the Hub via the 60th Street Sector are express bus commuters, with the remaining 75% of this sector's bus riders using local buses to enter Manhattan's CBD (Table 18, Appendix II).

C. Suburban and Intercity Rail

Commuter and intercity rail trains brought about 297,000 passengers into the CBD on the survey date, a total of more than 14% of all public transit passengers. This represents more than 10% of all daily travelers entering the Hub. From 2022 to 2023, this mode saw an increase in ridership of almost 24%, or almost 113,000 passengers. It was the third most prevalent mode of entry into the Hub after the subway and private motor vehicles (Table 14 C, Appendix II).

FIGURE 2
TOTAL NUMBER OF PEOPLE ENTERING THE HUB
BY MODE, BY HOUR, IN 2023

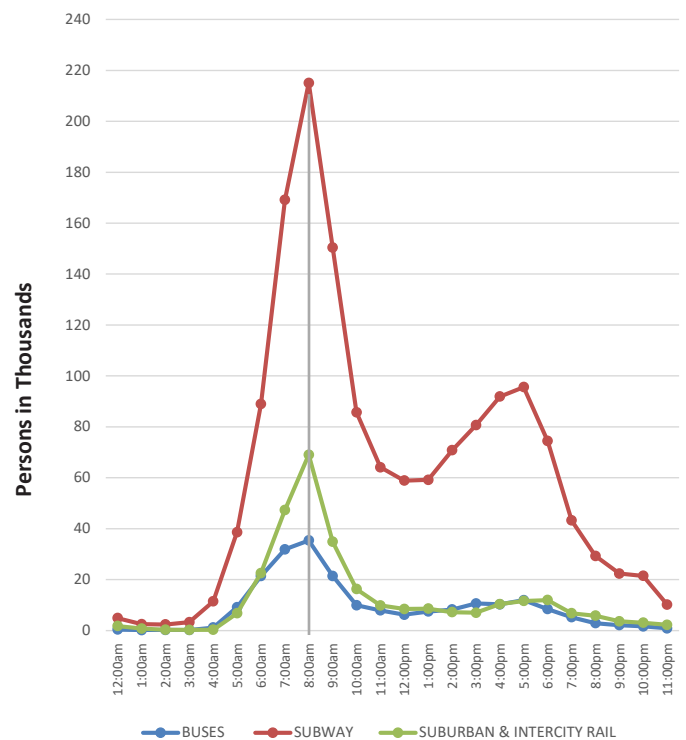
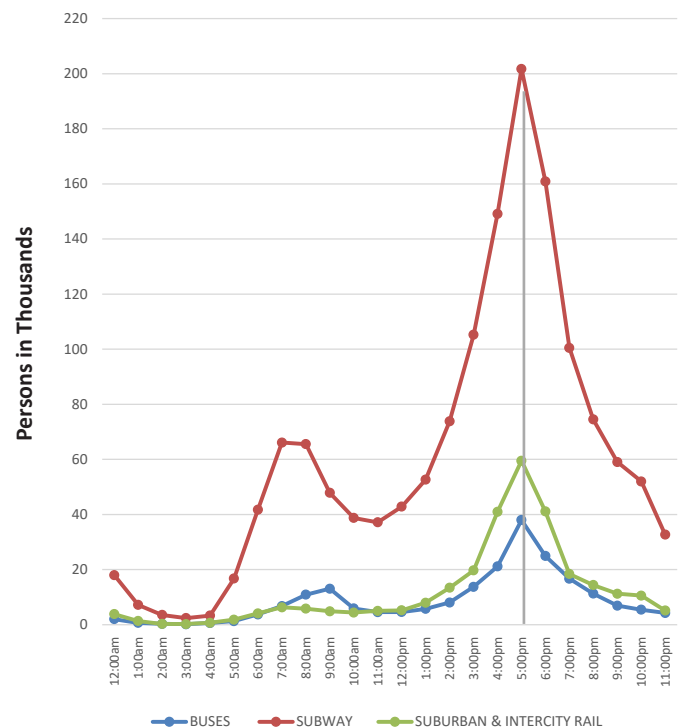


FIGURE 3
TOTAL NUMBER OF PEOPLE LEAVING THE HUB
BY MODE, BY HOUR, IN 2023



D. Ferry and Tramway

Ferry travel to the Hub from the Staten Island Sector was close to 25,000 inbound passengers in 2023, an increase of about 10% from 2022. The total number of private ferry passengers entering the Hub in 2022 neared 22,000 (an increase of close to 14%), roughly 2,600 more than in 2022 (Figure 4 and Table on page III-43).

The Roosevelt Island Tramway saw an increase in inbound passengers of more than 2,500, or 98% compared with 2022 (Figures 5 and Table on page III-43). This substantial increase may be attributed to the closure of the F train serving Roosevelt Island due to construction (RIOC).

FIGURE 4-A
TOTAL NUMBER OF FERRY PASSENGERS
ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY
BY SECTOR, IN 2023

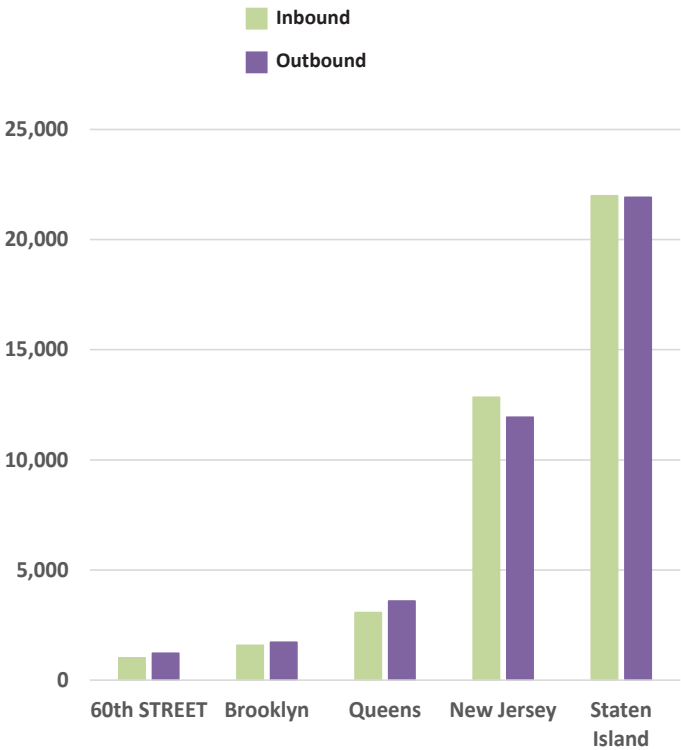


FIGURE 4-B
TOTAL NUMBER OF FERRY PASSENGERS
ENTERING THE HUB
ON A FALL BUSINESS DAY
2018-2023 (In Thousands)

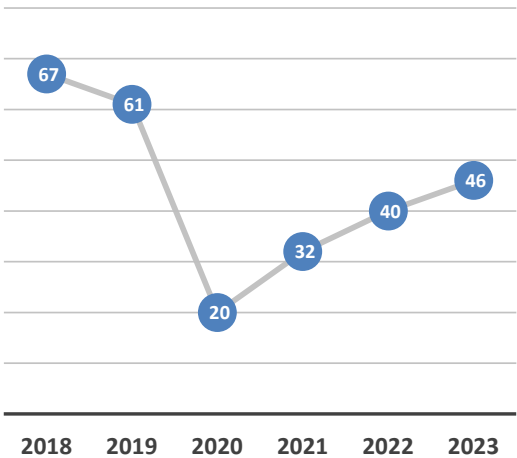
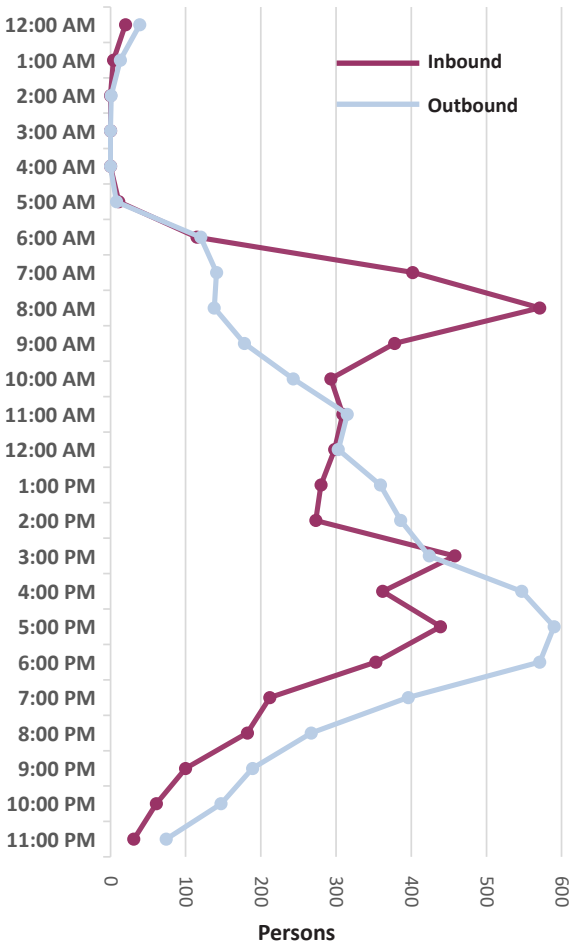


FIGURE 5
ROOSEVELT ISLAND TRAMWAY COMMUTERS
ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY, IN 2023
BY HOUR

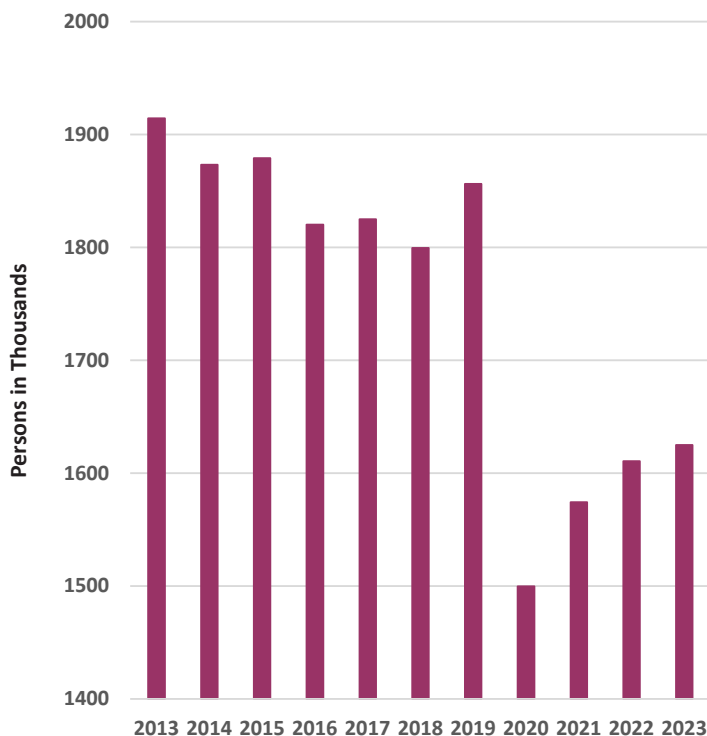


E. Private Motor Vehicles

Since the first Hub Bound survey in 1924, private motor vehicles, including autos, taxis, vans, and trucks, have been the second most common mode of transportation after the subway system. In 2023, about 800,000 people entered the Hub using private motor vehicles. This represents a 0.2% decrease, or about 1,300 fewer passengers compared with 2022 (Table 14 C, Appendix II).

In particular, private motor vehicle travelers arriving at the Hub from the 60th Street Sector, increased by about 2.7%, compared to 2022. On the other hand, Brooklyn, Queens, and New Jersey sectors saw decreases of about 4.6%, 0.4% and 1%, respectively (Table 14C, Appendix II).

FIGURE 6
TOTAL NUMBER OF PEOPLE ENTERING
and LEAVING THE HUB
BY PRIVATE MOTOR VEHICLES*
ON A FALL BUSINESS DAY
BY YEAR



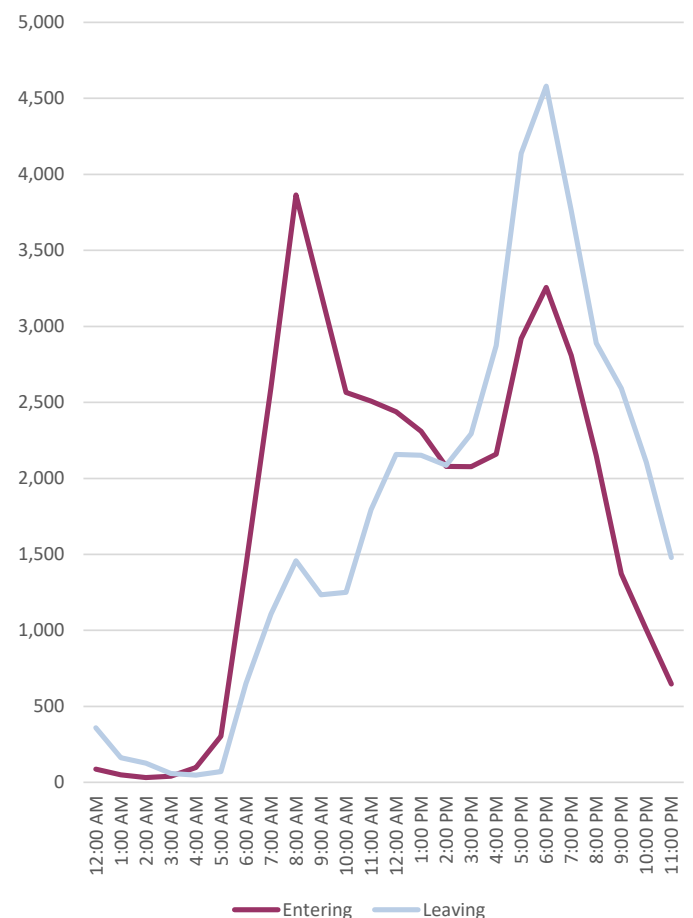
* Includes: Autos, Taxis, Commuter Vans and Trucks

F. Bicycle

NYC Department of Transportation data shows that during a typical fall business day, about 42,000 bicyclists entered the Hub, representing an increase of about 6.7%, or nearly 2,600 more riders, compared to 2022. The 60th Street Sector is the most active entry point, accounting for about 28,000 riders or 67% of all bicyclists entering the Hub in 2023. About 9,500 bicyclists crossed into Manhattan from Brooklyn via the Brooklyn, Manhattan, and Williamsburg bridges, while nearly 4,100 rode from Queens across the Ed Koch Queensboro Bridge (Table on page III-44).

Bicyclists' peaks were recorded at 8 AM (nearly 3,900 entering the Hub) and at 6 PM (almost 3,300 leaving the Hub) (Figure 7).

FIGURE 7
BICYCLISTS ENTERING and LEAVING
THE HUB ON A FALL BUSINESS DAY
IN 2023
BY HOUR

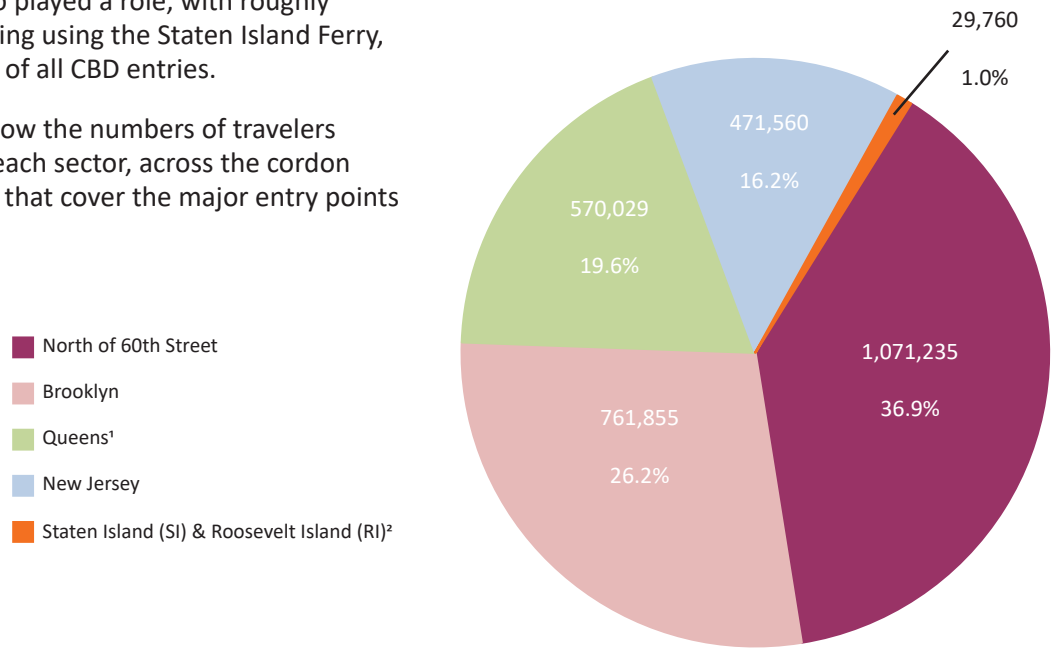


CORDON CROSSINGS

In 2023, among Manhattan's CBD entrants, nearly 37% entered from north of 60th Street. Brooklyn, Queens, and New Jersey followed close behind, contributing approximately 26%, 20%, and 16% of total entries, respectively. Ferries also played a role, with roughly 24,608 passengers arriving using the Staten Island Ferry, representing almost 1% of all CBD entries.

Figure 8 and Figure 9 show the numbers of travelers entering the Hub from each sector, across the cordon lines (CBD map, page ii) that cover the major entry points into the CBD.

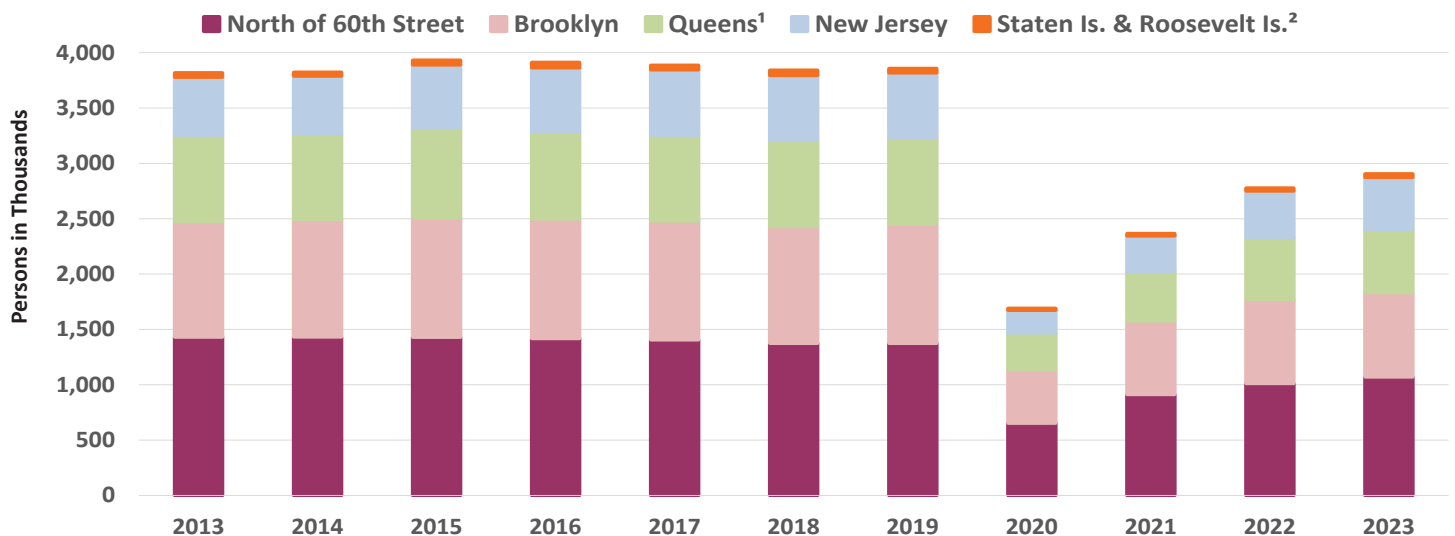
FIGURE 8
TOTAL NUMBER OF PEOPLE ENTERING THE HUB ON A FALL BUSINESS DAY BY SECTOR, IN 2023



1. Queens Sector counts exclude Roosevelt Island Tram.

2. Includes only Staten Island Ferry and Roosevelt Island Tramway passengers.

FIGURE 9
TOTAL NUMBER OF PEOPLE ENTERING THE HUB ON A FALL BUSINESS DAY BY SECTOR, BY YEAR



1. Queens Sector counts exclude Roosevelt Island Tram.

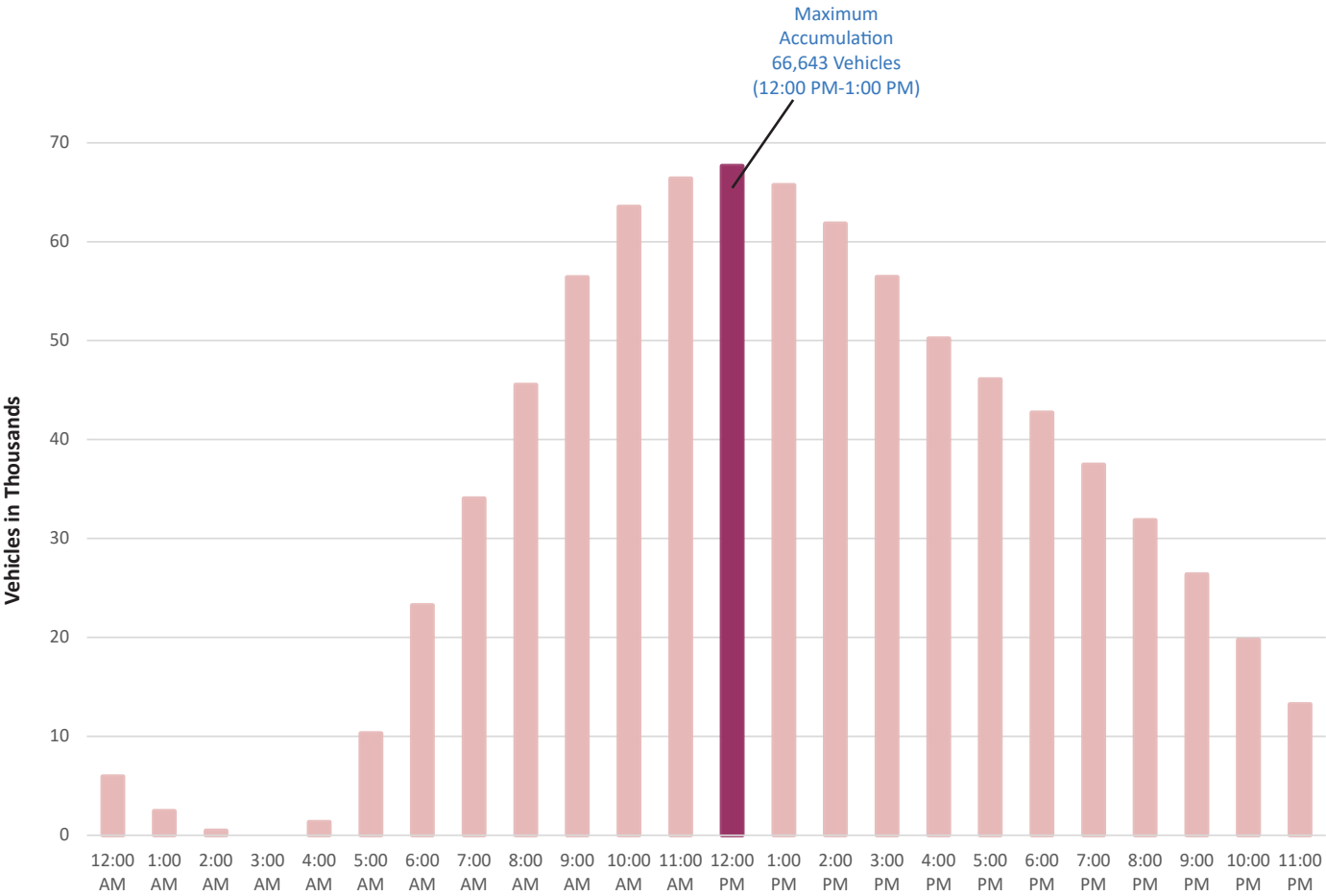
2. Includes only Staten Island Ferry and Roosevelt Island Tramway passengers.

In 2023, the peak occupant count in the hub increased by 3.8% (or about 32,000 people) compared to 2022, reaching 881,000 across all travel modes (Table 21B, Appendix II). This represents a staggering 129% (or close to 497,000) increase from 2020. This report also tracks the time at which this maximum accumulation occurs. As usual, the 2023 Hub saw its highest concentration of people in the early afternoon.

The number of people traveling via public transportation in 2023 increased by about 3.3% during the morning peak period (7:00 AM to 10:00 AM) and about 7.6% during the evening peak period (4:00 PM to 7:00 PM), since 2022 (Table 22A, Appendix II).

Traffic in the Hub peaked at over 67,000 vehicles, a 1.7% (or about 1,000 vehicles) increase from 2022. However, it remained 4.2% (or almost 3,000 vehicles) below the peak vehicle count in 2020, at the height of the pandemic. As in 2022, the peak congestion occurred between noon and 1:00 PM (Figure 10 and Table 23B, Appendix II).

FIGURE 10
HOURLY ACCUMULATION OF VEHICLES
ON A FALL BUSINESS DAY
BY SECTOR, IN 2023



CHANGES IN HUB-BOUND TRAVEL

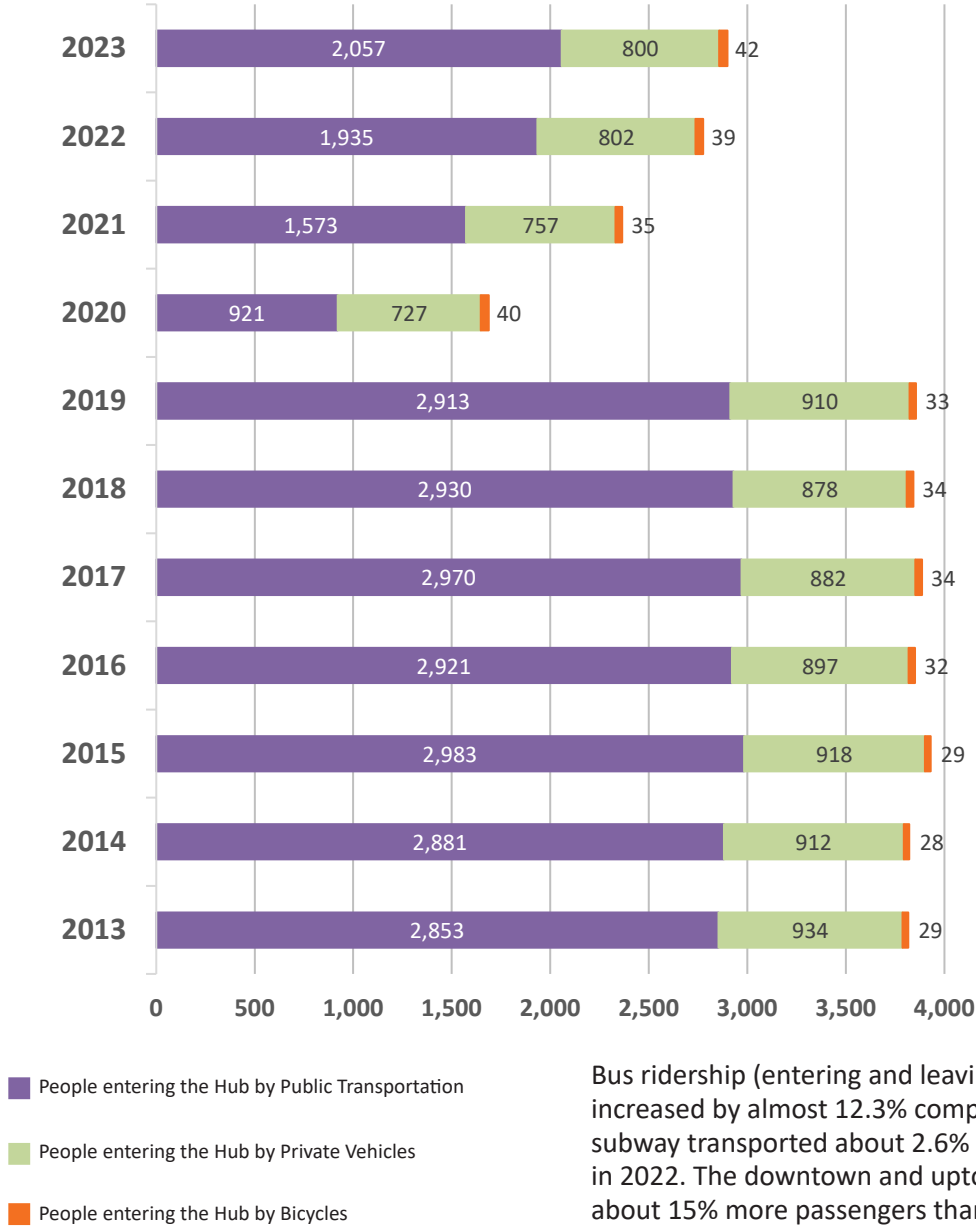
On a typical business day in 2023, roughly 2.9 million people entered Manhattan’s central business district (CBD), marking a 4.4% increase (nearly 123,000) compared to 2022’s daily entries (Table 1A).

While 2023 saw a promising return to the CBD, it still falls short of the pre-pandemic daily entries of over 3.9 million that was reached in 2015 and sustained until 2019 (Table 1A, Appendix I).

PUBLIC TRANSPORTATION

Public transit remains a lifeline for regional travel. In 2023, trips to the Hub via all public transportation modes increased 6.6% compared to 2022. This is a remarkable 124% increase since 2020. However, this ridership remains 29% below 2019 levels (Figure 11 and Table 22A, Appendix II).

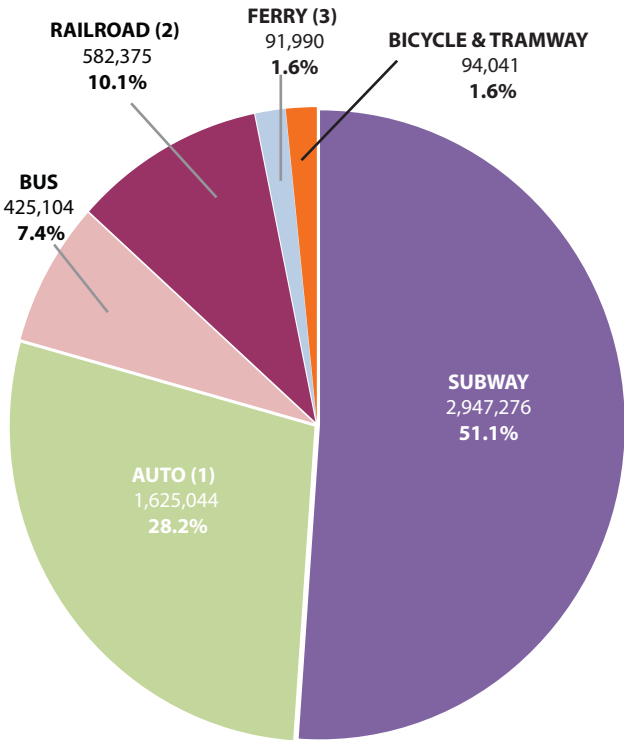
FIGURE 11
TOTAL NUMBER OF PEOPLE ENTERING THE HUB ON A FALL BUSINESS DAY
IN THOUSANDS



Bus ridership (entering and leaving the Hub) in 2023 increased by almost 12.3% compared to 2022. The subway transported about 2.6% more passengers than in 2022. The downtown and uptown PATH lines carried about 15% more passengers than in 2022 (Table 5). Suburban and intercity rail services carried a total of approximately 24% or almost 113,000 more passengers than a year ago at the same time.

In 2023, subway passengers made up approximately 51% of all Hub travelers, followed by private motor vehicles (28%), railroad (10%) and bus (7%) passengers. Bicycles, trams, and ferries transported a little over 3% additional riders (Figure 12).

FIGURE 12
TOTAL NUMBER OF PEOPLE ENTERING and LEAVING THE HUB ON A FALL BUSINESS DAY BY MODE, IN 2023



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

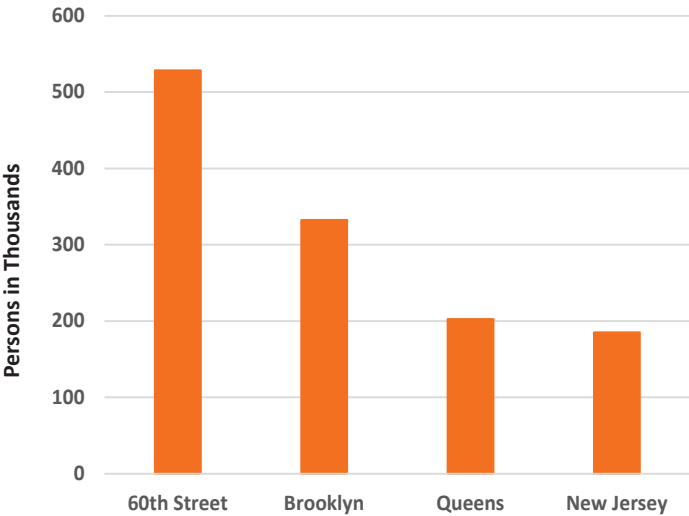
Trips via ferries (both publicly and privately operated) increased by close to 14% in 2023 compared with 2022. Daily ridership on the Roosevelt Island Tramway increased by a noticeable 92%, or by about 5,000 persons (Table 5). This steep rise may have been the result of the F train serving Roosevelt Island being out of service due to construction. Almost 88% of all bus passengers entering the Hub in 2023 used express buses. Among express bus riders, 82% commuted from New Jersey (Table 9, Appendix I).

PRIVATE TRANSPORTATION

In 2023, the share of passengers who used private auto transportation as their mode of choice to enter the CBD was about 28%. This modeshare was 29% in 2022. Comparison of the 2022 and 2023 total number of incoming automotive passengers shows a decline of 0.2% or of 1,300 passengers. On a typical business day in 2023, the total number of people both entering and leaving the Hub by private motor vehicles increased by 0.9%, or around 14,000 persons, compared to 2022. The largest part of this increase (15,000) came from vehicles crossing to and from the 60th Street Sector, which accounted for 2.2% of the rise in auto travel. New Jersey Sector also contributed 1.9 % to the increase. However, Brooklyn and Queens saw a decline of 0.9% and 0.6% compared to 2022. (Table 10, Appendix I and Figure 13).

Around 83,000 daily bicycle trips to and from the CBD were recorded in 2023, a 6% increase from 2022 (Table on page III-44).

FIGURE 13
TOTAL PRIVATE MOTOR VEHICLES* ENTERING and LEAVING THE HUB ON A FALL BUSINESS DAY BY SECTOR, IN 2023



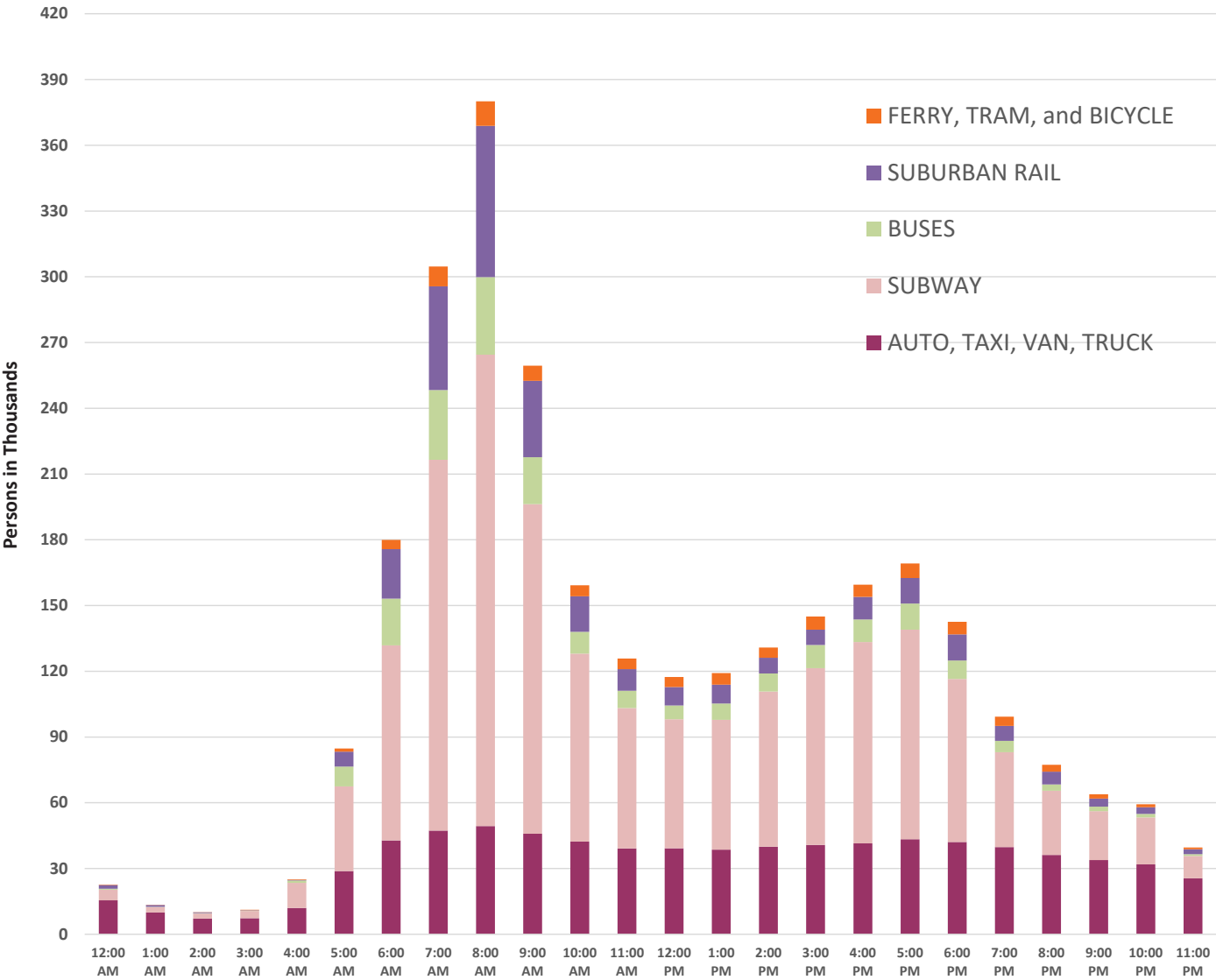
* Includes: Autos, Taxis, Commuter Vans, and Trucks

TIME OF ENTRY

In 2023, the total number of people entering the CBD during the morning peak hour of 8:00 AM to 9:00 AM on a typical weekday was about 380,000, a decrease of 1.4%, or about 5,500 people than in 2022. Furthermore, between 7:00 AM and 10:00 AM, it was about 944,000, which is about 2.6%, or 24,000 more than in 2022.

In 2023, the total number of people entering the CBD during the morning peak hour (8 AM - 9 AM) and morning peak period (7 AM - 10 AM) represented approximately 13% and 33% of the total daily inbound volume, respectively (Figure 14 and Tables 14A-14B, Appendix II).

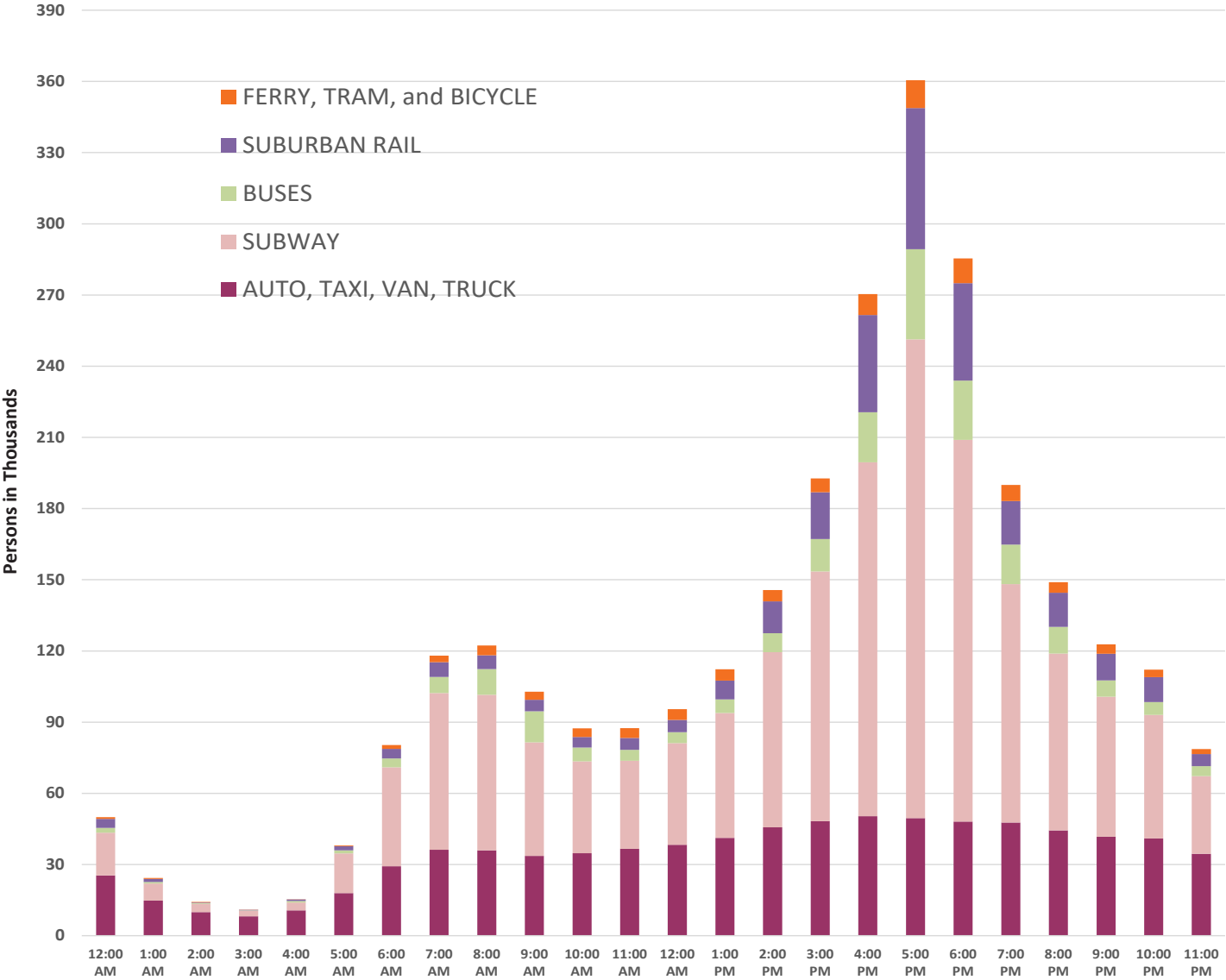
FIGURE 14
TOTAL NUMBER OF PEOPLE ENTERING THE HUB
ON A FALL BUSINESS DAY, IN 2023
BY HOUR, BY MODE



During the peak afternoon hour of 5:00 PM to 6:00 PM on a typical weekday, nearly 360,000 people left the Hub, an increase of 7.9%, or about 26,000 more than in 2022. Meanwhile, the broader peak period from 4:00 PM to 7:00 PM saw roughly 916,000 people leaving the Hub by all modes, an increase of roughly 6.2%, or 53,000 more than in 2022.

The afternoon peak hour and peak period riderships represented approximately 13% and 32%, respectively of the total daily outbound volume (Figure 15 and Tables 15A-15B, Appendix II).

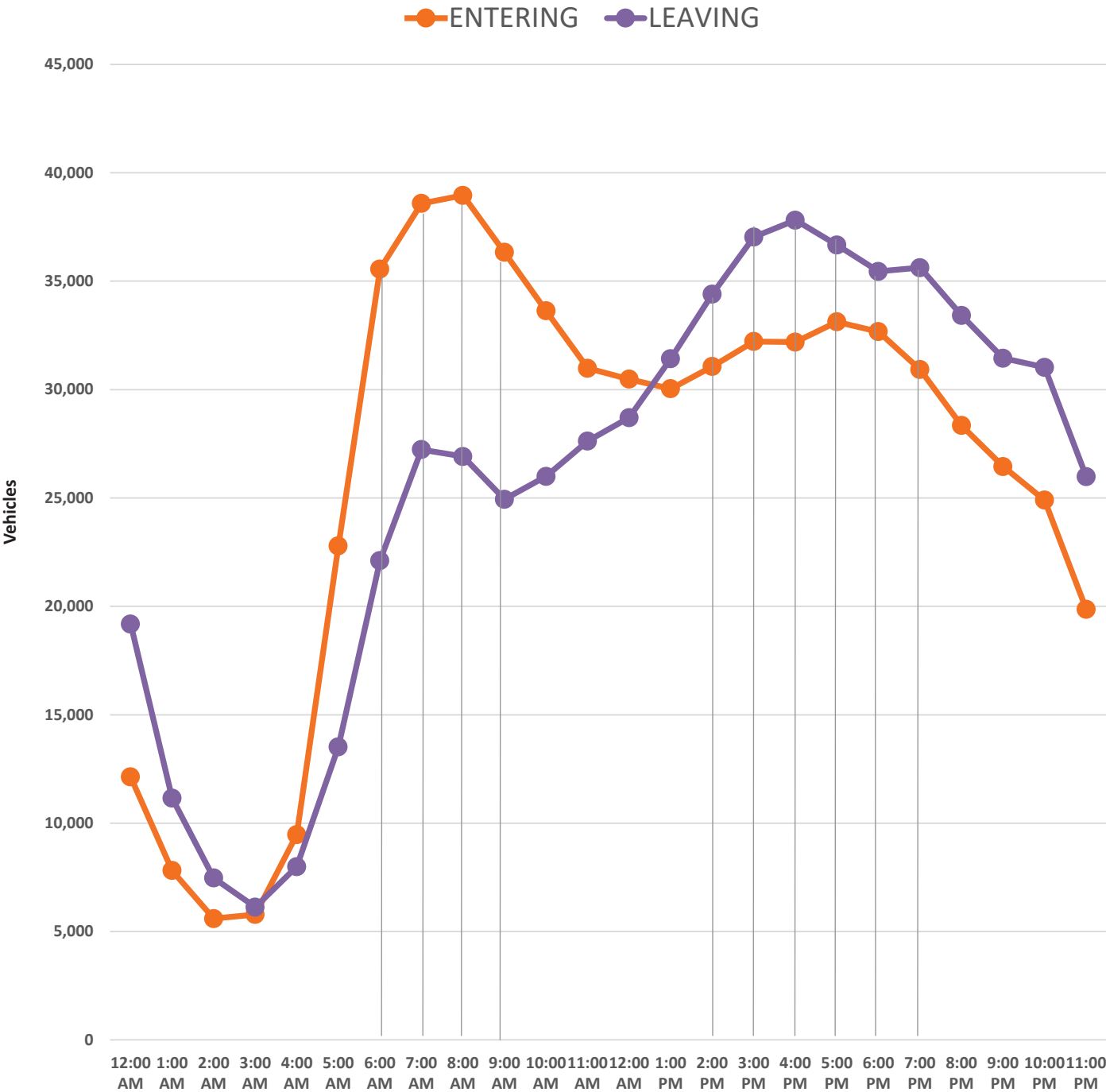
FIGURE 15
TOTAL NUMBER OF PEOPLE LEAVING THE HUB
ON A FALL BUSINESS DAY, IN 2023
BY HOUR, BY MODE



Traffic for private motor vehicles traveling to the Hub peaked during 6:00 AM to 9:00 AM while in the afternoon outbound traffic was more spread out between 2:00 PM and 7:00 PM (Figure 16 and Table 23A, Appendix II).

In 2023, roughly 3,000 more private motor vehicles entered and left the Hub on an average weekday compared to the previous year. This translated to an almost 0.2% increase in inbound and outbound vehicular traffic (Table 23A, Appendix II).

FIGURE 16
**PRIVATE MOTOR VEHICLES* ENTERING and LEAVING THE HUB
ON A FALL BUSINESS DAY, IN 2023**
BY HOUR



* Includes: Autos, Taxis, Commuter Vans and Trucks

FIGURE 17
**TOTAL BUSES AND PRIVATE MOTOR VEHICLES
 ENTERING and LEAVING THE HUB
 ON A FALL BUSINESS DAY, IN 2023**
 BY SECTOR



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Appendix I

Time Series Tables - 2023

Note

I. Changes in travel behavior due to the COVID-19 pandemic remain. However, there has been continuous and steady increase in travel since 2020.

II. Data collection methods, standards, etc. may have changed over the years in various ways. Care should be taken when comparing prior years' data.

III. Some data for 1999 were lost on 9/11/2001.

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TABLE 1A
PERSONS, VEHICLES, and SHARE OF ENTRANTS (as percentages) ENTERING THE HUB
ON A FALL BUSINESS DAY, FOR SELECTED YEARS (in thousands)

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

Notes:

- See note 2 on page I-0.
- Since the Hub Bound surveys were conducted at several year intervals for earlier reports, data are not available for every year.
- Percentages may not total to 100 due to rounding.

TABLE 1A (continued)
PERSONS, VEHICLES, and SHARE OF ENTRANTS (as percentages) ENTERING THE HUB
ON A FALL BUSINESS DAY, FOR SELECTED YEARS (in thousands)

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

Notes: - See notes 2 & 3 on page I-0.
 - Since the Hub Bound surveys were conducted at several year intervals for earlier reports, data are not available for every year.
 - Percentages may not total to 100 due to rounding.

(1) Data not available for the years before 1997.

TABLE 1A (continued)
PERSONS, VEHICLES, and SHARE OF ENTRANTS (as percentages) ENTERING THE HUB
ON A FALL BUSINESS DAY, FOR SELECTED YEARS (in thousands)

	2004		2005		2006		2007		2008		2009		2010		2011		2012		2013
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%	934
BUS	286	8%	280	8%	284	8%	291	8%	284	7%	274	8%	269	7%	263	7%	268	7%	268
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%	2,223
RAILROAD	274	7%	284	8%	299	8%	305	8%	310	8%	300	8%	300	8%	302	8%	303	8%	310
PASSENGER FERRY	53	1%	52	1%	49	1%	49	1%	53	1%	54	2%	55	1%	50	1%	52	1%	49
TRAM	2	0%	2	0%	3	0%	3	0%	3	0%	3	0%	0	0%	3	0%	3	0%	4
BICYCLE	9	0%	9	0%	12	0%	15	0%	15	0%	21	1%	24	1%	25	1%	22	1%	29
TOTAL	3,682	-	3,569	-	3,600	-	3,740	-	3,799	-	3,597	-	3,688	-	3,662	-	3,755		3,816
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%	1,432
BROOKLYN	1,012	27%	901	25%	909	25%	986	26%	989	26%	944	26%	981	27%	964	26%	1,011	27%	1,043
QUEENS	752	20%	735	21%	742	21%	779	21%	778	20%	737	20%	748	20%	757	21%	780	21%	780
NEW JERSEY	499	14%	493	14%	515	14%	536	14%	528	14%	515	14%	537	15%	518	14%	521	14%	524
STATEN ISLAND	32	1%	33	1%	30	1%	30	1%	35	1%	36	1%	37	1%	30	1%	36	1%	34
ROOSEVELT ISLAND	2	0%	2	0%	3	0%	3	0%	3	0%	-	-	-	-	3	0%	3	0%	4
TOTAL	3,682	-	3,569	-	3,600	-	3,740	-	3,799	-	3,597	-	3,688	-	3,662	-	3,755		3,816
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%	329
BROOKLYN	195	24%	187	23%	186	23%	192	25%	176	24%	182	24%	186	24%	174	23%	178	24%	184
QUEENS	133	16%	133	17%	141	18%	136	17%	131	18%	137	18%	134	17%	138	18%	140	19%	132
NEW JERSEY	102	13%	101	13%	103	13%	102	13%	94	13%	87	12%	98	13%	89	12%	90	12%	90
TOTAL	815	-	798	-	794	-	783	-	739	-	750	-	767	-	748	-	740		736

Note: - See note 2 on page I-0.
- Percentages may not total to 100 due to rounding.

TABLE 1A (continued)
PERSONS, VEHICLES, and SHARE OF ENTRANTS (as percentages) ENTERING THE HUB
ON A FALL BUSINESS DAY, FOR SELECTED YEARS (in thousands)

	2014		2015		2016		2017		2018		2019		2020		2021		2022		2023	
PERSONS BY MODE																				
AUTO, TAXI, VAN & TRUCK	913	24%	918	23%	897	23%	882	23%	878	23%	910	24%	727	43%	757	32%	757	32%	800	28%
BUS	263	7%	279	7%	279	7%	282	7%	280	7%	276	7%	87	5%	136	6%	136	6%	215	7%
SUBWAY	2,252	59%	2,318	59%	2,299	59%	2,287	59%	2,242	58%	2,228	58%	738	44%	1,253	53%	1,253	53%	1,494	52%
RAILROAD	318	8%	328	8%	339	9%	336	9%	338	9%	344	9%	75	4%	149	6%	149	6%	297	10%
PASSENGER FERRY	44	1%	54	1%	60	2%	62	2%	67	2%	61	2%	20	1%	33	1%	33	1%	46	2%
TRAM	3	0%	4	0%	5	0%	3	0%	4	0%	4	0%	1	0%	2	0%	2	0%	5	0%
BICYCLE	28	1%	29	1%	32	1%	34	1%	34	1%	33	1%	40	2%	35	1%	35	1%	42	1%
TOTAL	3,821		3,931		3,910		3,886		3,842		3,856		1,688		2,365		2,365		2,899	
PERSONS BY SECTOR																				
NORTH OF 60TH STREET	1,433	37%	1,430	36%	1,419	36%	1,407	36%	1,375	36%	1,375	36%	654	39%	913	39%	1,012	36%	1,071	37%
BROOKLYN	1,059	28%	1,075	27%	1,080	28%	1,073	28%	1,054	27%	1,076	28%	481	28%	664	28%	758	27%	762	26%
QUEENS	777	20%	817	21%	785	20%	775	20%	779	20%	777	20%	335	20%	443	19%	559	20%	570	20%
NEW JERSEY	521	14%	568	14%	581	15%	591	15%	587	15%	590	15%	204	12%	325	14%	422	15%	472	16%
STATEN ISLAND	29	1%	37	1%	41	1%	37	1%	42	1%	35	1%	13	1%	18	1%	22	1%	25	1%
ROOSEVELT ISLAND	3	0%	4	0%	5	0%	3	0%	4	0%	4	0%	1	0%	2	0%	3	0%	5	0%
TOTAL	3,821		3,931		3,910		3,886		3,842		3,856		1,688		2,365		2,776		2,904	
MOTOR VEHICLES BY SECTOR (AUTOS, TAXIS, VANS, TRUCKS)																				
NORTH OF 60TH STREET	323	45%	318	44%	314	44%	301	43%	301	43%	291	40%	240	41%	267	45%	273	43%	280	40%
BROOKLYN	179	25%	176	24%	180	25%	185	26%	182	26%	216	30%	166	29%	160	27%	172	27%	164	26%
QUEENS	130	18%	139	19%	126	18%	123	18%	127	18%	131	18%	99	17%	79	13%	95	15%	95	15%
NEW JERSEY	87	12%	91	13%	88	12%	89	13%	89	13%	89	12%	74	13%	91	15%	93	15%	92	13%
TOTAL	719		724		709		698		699		728		580		597		633		699	

Notes: - See notes 1 & 2 on page I-0.
- Percentages may not total to 100 due to rounding.

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

YEAR / MODE	1993		1994		1995		1996		1997		1998		2000		2001		2002		2003	
AUTO, TAXI, VAN & TRUCK	216	16%	218	16%	219	16%	228	16%	252	18%	263	18%	259	17%	179	13%	220	16%	239	17%
BUS	121	9%	121	9%	119	9%	122	9%	117	8%	120	8%	131	9%	132	10%	138	10%	140	10%
SUBWAY	859	62%	866	62%	855	62%	858	61%	845	60%	839	59%	958	63%	851	62%	813	58%	787	57%
RAILROAD	159	12%	165	12%	165	12%	169	12%	171	12%	193	13%	154	10%	183	13%	196	14%	184	13%
PASSENGER FERRY	25	2%	24	2%	24	2%	24	2%	25	2%	15	1%	23	2%	21	2%	39	3%	36	3%
TRAMWAY	-	0%	1	0%	1	0%	0	0%	1	0%	1	0%	1	0%	0	0%	0	0%	1	0%
BICYCLE					2	0%	2	0%	1	0%	2	0%	1	0%	1	0%	2	0%	2	0%
TOTAL	1,381	-	1,396	-	1,385	-	1,403	-	1,412	-	1,433	-	1,536	-	1,368	-	1,408	-	1,388	-
YEAR / MODE	2004		2005		2006		2007		2008		2009		2010		2011		2012		2013	
AUTO, TAXI, VAN & TRUCK	228	17%	193	14%	193	15%	186	13%	180	12%	180	14%	186	14%	181	13%	139	10%	173	12%
BUS	136	10%	132	10%	135	10%	139	10%	134	9%	128	10%	124	9%	124	9%	130	10%	133	9%
SUBWAY	804	59%	809	60%	785	59%	918	63%	915	63%	804	61%	832	61%	847	62%	877	64%	900	63%
RAILROAD	172	13%	180	13%	184	14%	188	13%	187	13%	182	14%	179	13%	183	13%	182	13%	185	13%
PASSENGER FERRY	29	2%	28	2%	28	2%	24	2%	27	2%	27	2%	27	2%	26	2%	25	2%	22	2%
TRAMWAY	1	0%	1	0%	1	0%	1	0%	1	0%	1	0%	0	0%	1	0%	1	0%	1	0%
BICYCLE	2	0%	2	0%	2	0%	3	0%	4	0%	5	0%	5	0%	6	0%	6	0%	8	1%
TOTAL	1,372	-	1,346	-	1,328	-	1,460	-	1,448	-	1,327	-	1,353	-	1,368	-	1,361	-	1,422	-
YEAR / MODE	2014		2015		2016		2017		2018		2019		2020		2021		2022		2023	
AUTO, TAXI, VAN & TRUCK	167	12%	168	12%	160	11%	156	11%	153	11%	161	11%	145	33%	141	20%	145	16%	143	15%
BUS	126	9%	131	9%	129	9%	127	9%	125	9%	122	8%	27	6%	54	8%	82	9%	89	9%
SUBWAY	910	64%	922	63%	921	64%	913	64%	902	64%	923	64%	227	51%	427	60%	549	60%	535	57%
RAILROAD	190	13%	197	14%	203	14%	198	14%	200	14%	201	14%	31	7%	71	10%	120	13%	151	16%
PASSENGER FERRY	23	2%	26	2%	25	2%	29	2%	30	2%	27	2%	6	1%	13	2%	15	2%	16	2%
TRAMWAY	1	0%	1	0%	2	0%	1	0%	1	0%	1	0%	0	0%	1	0%	1	0%	1	0%
BICYCLE	8	1%	8	1%	9	1%	9	1%	9	1%	9	1%	8	2%	8	1%	8	1%	10	1%
TOTAL	1,426	-	1,452	-	1,448	-	1,434	-	1,421	-	1,444	-	445	-	715	-	920	-	944	-

Notes: - See notes on page I-0.
- 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*)

SHARE OF TOTAL DAILY ENTRIES BY OCCUPANTS

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
1991	6.9%	19.8%	25.9%	54.1%	19.6%	42.6%
1992	6.8%	19.5%	25.2%	53.9%	18.9%	42.1%
1993	6.6%	19.2%	24.8%	52.8%	18.7%	41.5%
1994	6.7%	19.5%	24.0%	52.0%	18.3%	41.3%
1995	6.7%	19.3%	23.8%	51.3%	18.1%	40.6%
1996	7.0%	19.9%	23.8%	50.9%	18.2%	40.6%
1997	7.3%	19.9%	23.3%	50.3%	17.6%	39.3%
1998	7.1%	20.0%	22.8%	48.9%	17.2%	38.5%
2000	7.4%	20.2%	22.0%	49.4%	17.0%	39.5%
2001	6.2%	17.9%	21.5%	48.1%	17.1%	39.4%
2002	6.6%	19.3%	21.3%	47.2%	16.8%	38.5%
2003	7.0%	20.2%	21.5%	47.2%	16.7%	38.3%
2004	6.6%	19.5%	20.8%	45.6%	16.2%	37.3%
2005	6.6%	19.0%	19.9%	45.2%	16.1%	37.7%
2006	6.6%	19.1%	19.5%	43.9%	15.8%	36.8%
2007	6.4%	18.8%	20.6%	45.6%	16.8%	38.4%
2008	6.7%	19.2%	20.0%	44.4%	16.7%	38.1%
2009	6.6%	18.9%	19.5%	43.5%	16.0%	36.9%
2010	6.7%	19.7%	19.1%	43.2%	15.7%	36.7%
2011	6.6%	19.0%	19.7%	44.0%	16.3%	37.4%
2012	6.4%	18.7%	19.3%	43.5%	16.0%	37.3%
2013	6.5%	18.5%	19.6%	43.5%	16.3%	37.3%
2014	6.3%	18.3%	19.1%	43.5%	16.0%	37.4%
2015	6.3%	18.2%	18.9%	42.8%	16.0%	37.0%
2016	6.1%	17.8%	19.0%	42.9%	16.0%	37.1%
2017	6.0%	17.7%	18.8%	42.7%	15.9%	37.0%
2018	5.9%	17.5%	19.1%	43.0%	16.1%	37.1%
2019	6.0%	17.7%	19.3%	43.7%	16.1%	37.5%
2020	7.0%	19.9%	12.2%	31.7%	9.9%	26.5%
2021	6.4%	18.7%	15.0%	36.0%	12.3%	30.3%
2022	6.2%	18.1%	17.2%	39.6%	14.0%	33.3%
2023	6.2%	17.8%	16.1%	39.0%	13.3%	33.0%

Notes:

- See notes on page I-0.
- Percentages express the peak-period share of private motor vehicle and public transportation to total of 24-hour period person entries, respectively.
- Percentages may not total to 100 due to rounding.

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	HUB EMPLOYMENT
1990	3,321,700	1,418,200	642,800	1,967,000
1991	3,331,600	1,420,300	652,700	1,858,000
1992	3,336,000	1,404,000	629,400	1,810,000
1993	3,330,000	1,380,800	622,000	1,805,000
1994	3,382,500	1,396,200	619,800	1,821,000
1995	3,410,200	1,384,100	616,500	1,828,000
1996	3,455,700	1,403,800	629,600	1,850,000
1997	3,545,460	1,412,700	638,100	1,879,600
1998	3,670,000	1,415,000	630,900	1,940,000
1999	3,790,000	N/A	N/A	2,005,000
2000	3,840,000	1,524,000	661,680	2,152,000
2001	3,471,000	1,367,200	593,500	2,128,000
2002	3,658,919	1,461,540	633,000	1,971,000
2003	3,620,813	1,384,803	602,987	2,010,000
2004	3,682,207	1,372,142	598,138	2,064,000
2005	3,568,742	1,345,676	574,161	2,217,000
2006	3,599,747	1,326,241	569,355	2,241,000
2007	3,739,966	1,459,848	639,984	2,265,000
2008	3,798,984	1,445,679	633,704	2,288,477
2009	3,598,327	1,327,128	575,127	2,275,090
2010	3,688,432	1,352,456	580,733	2,259,803
2011	3,661,557	1,367,959	593,517	1,898,000
2012	3,754,511	1,397,355	600,132	1,910,000
2013	3,816,493	1,422,360	622,269	1,943,000
2014	3,821,297	1,426,496	611,738	1,943,000
2015	3,930,753	1,451,984	625,817	1,954,000
2016	3,909,998	1,448,039	625,878	1,970,000
2017	3,885,608	1,433,954	615,885	2,162,000
2018	3,841,968	1,420,851	614,967	2,170,000
2019	3,855,708	1,443,555	619,503	2,177,000
2020	1,688,304	444,871	166,395	2,185,000
2021	2,365,417	714,775	288,520	2,199,000
2022	2,776,385	920,123	385,538	2,212,000
2023	2,899,287	944,168	380,082	2,226,000

Notes:

- See notes on page I-0.
- At the beginning of 2011, CBD Employment data estimate methodology was changed. Therefore, the data thereafter may not be comparable with previous years.
- Employment (i.e., number of jobs at the place of work) was collected for NYMTC's Adjusted 2055 SED Forecast Update adopted on June 20th, 2024.
- * N/A - data from 1999 not available 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.	HUB RESIDENTS*	MAXIMUM HUB ACCUM.	TIME OF MAXIMUM ACCUM.	MAXIMUM TRAVELER ACCUM.	HUB BASED VEHICLES*	MAXIMUM HUB ACCUM.	TIME OF MAXIMUM ACCUM.
1991	1,325,000	530,000	1,855,000	1:00 PM	102,300	88,400	190,700	1:00 PM
1992	1,262,000	529,000	1,791,000	1:00 PM	96,300	84,600	180,900	1:00 PM
1993	1,250,000	530,900	1,780,900	1:00 PM	94,100	85,800	179,900	2:00 PM
1994	1,273,000	535,000	1,808,000	1:00 PM	97,100	86,100	183,200	2:00 PM
1995	1,277,000	539,000	1,816,000	1:00 PM	94,100	86,100	180,200	2:00 PM
1996	1,295,000	544,000	1,839,000	1:00 PM	94,000	85,900	179,900	1:00 PM
1997	1,303,000	547,000	1,850,000	1:00 PM	101,000	89,000	190,000	2:00 PM
1998	1,296,000	551,000	1,847,000	1:00 PM	104,000	95,100	199,100	2:00 PM
2000	1,464,000	552,000	2,015,846	1:00 PM	103,367	91,080	194,447	2:00 PM
2001	1,254,000	540,000	2,016,000	1:00 PM	67,093	91,080	156,228	2:00 PM
2002	1,253,800	567,000	1,805,800	1:00 PM	60,181	91,080	151,261	2:00 PM
2003	1,273,519	573,000	1,821,360	1:00 PM	86,909	91,740	178,649	2:00 PM
2004	1,228,259	583,000	1,783,259	2:00 PM	91,551	91,575	183,126	1:00 PM
2005	1,197,459	590,000	1,172,459	2:00 PM	85,119	97,350	182,469	1:00 PM
2006	1,244,863	590,000	1,834,863	2:00 PM	89,847	97,350	187,197	1:00 PM
2007	1,325,609	597,000	1,922,609	1:00 PM	88,623	98,505	187,128	1:00 PM
2008	1,334,179	616,883	1,951,062	1:00 PM	79,198	101,786	180,984	1:00 PM
2009	1,209,458	621,000	1,830,458	2:00 PM	78,305	102,465	180,770	1:00 PM
2010	1,231,071	619,228	1,850,292	2:00 PM	78,173	75,637	153,810	1:00 PM
2011	1,230,220	591,000	1,821,220	2:00 PM	79,651	71,107	150,758	1:00 PM
2012	1,316,844	597,000	1,913,844	2:00 PM	81,359	71,166	152,525	1:00 PM
2013	1,342,153	598,000	1,940,153	2:00 PM	79,753	70,980	150,733	1:00 PM
2014	1,365,561	600,000	1,965,561	2:00 PM	75,896	71,043	146,939	1:00 PM
2015	1,392,132	603,000	1,995,132	2:00 PM	78,750	71,059	149,809	1:00 PM
2016	1,381,111	620,000	2,001,111	2:00 PM	72,867	73,061	145,929	1:00 PM
2017	1,378,724	643,000	2,021,724	2:00 PM	73,203	76,382	149,584	1:00 PM
2018	1,378,366	612,000	1,990,366	2:00 PM	67,725	75,626	143,351	1:00 PM
2019	1,382,597	619,000	2,001,597	2:00 PM	80,998	76,713	157,711	1:00 PM
2020	384,302	627,000	1,011,302	2:00 PM	70,597	77,518	148,116	12:00 PM
2021	610,279	599,000	1,209,279	2:00 PM	57,640	73,584	131,224	1:00 PM
2022	848,495	633,376	1,481,871	2:00 PM	66,539	78,435	144,974	1:00 PM
2023	881,000	635,078	1,516,078	2:00 PM	67,643	71,081	138,724	1:00 PM

Notes:

- See notes 1 and 2 on page I-0.
- At the beginning of 2011, CBD resident data estimate methodology was changed. Therefore, the data thereafter may not be comparable with previous years.
- 2020-2023 Manhattan HUB population is calculated based on the Census tract data.

TABLE 5
TOTAL PUBLIC TRANSIT PASSENGERS AND BICYCLISTS
ENTERING AND LEAVING THE HUB
ON A FALL BUSINESS DAY, 2015-2023

	2015	2016	2017	2018	2019	2020	2021	2022	2023
BUS PASSENGERS									
60TH STREET SECTOR									
FDR DRIVE (1)	-	-	-	-	-	-	-	-	-
YORK AVENUE	4,055	3,792	2,702	2,424	2,630	1,202	2,035	2,890	3,746
FIRST AVE/SECOND AVE	15,818	14,999	16,161	15,806	17,187	9,709	12,728	14,210	17,476
LEXINGTON AVE/THIRD AVE	9,730	8,955	8,179	10,201	10,610	6,226	7,006	9,842	13,846
MADISON AVE/FIFTH AVE	21,727	23,164	21,651	20,929	23,544	8,430	13,156	17,504	21,702
CENTRAL PK WEST	754	804	613	493	433	224	393	548	635
EIGHTH AVENUE (1)	-	-	-	-	-	-	-	-	-
BROADWAY	6,999	7,350	6,082	5,692	6,054	2,951	4,728	5,564	6,289
COLUMBUS AVE/AMSTERDAM AVE	2,585	2,744	2,547	2,494	2,949	1,444	2,502	3,114	3,420
WEST END AVENUE	1,809	1,823	1,830	1,890	2,134	993	1,630	2,186	2,743
SECTOR TOTAL	63,477	63,631	59,765	59,929	65,541	31,179	44,178	55,858	69,857
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	335	306	329	337	318	274	248	328	189
MANHATTAN BRIDGE	(2)	(2)	(2)	(2)	(2)	577	(2)	(2)	(2)
HUGH L. CAREY TUNNEL	40,239	40,590	42,241	38,264	36,111	14,703	24,244	31,850	34,684
SECTOR TOTAL	40,574	40,896	42,570	38,601	36,429	15,554	24,492	32,178	34,873
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	11,142	10,236	11,187	10,796	10,529	3,112	5,757	8,027	9,118
ED KOCH QUEENSBORO BRIDGE	9,472	9,870	9,353	10,800	10,741	5,385	6,433	8,332	10,496
SECTOR TOTAL	20,614	20,106	20,540	21,596	21,270	8,497	12,190	16,359	19,614
NEW JERSEY SECTOR									
HOLLAND TUNNEL	29,243	30,737	28,257	25,581	21,901	3,026	2,302	10,752	10,817
LINCOLN TUNNEL	426,931	400,370	406,250	399,391	387,166	108,310	179,831	263,297	289,943
SECTOR TOTAL	456,174	431,107	434,507	424,972	409,067	111,336	182,133	274,049	300,760
TOTAL BUS PASSENGERS	580,839	555,740	557,382	545,098	532,307	166,566	262,993	378,444	425,104

Notes: - See notes 1 & 2 on page I-0.

(1) No transit services on FDR Drive and Eighth Avenue.

(2) The B99 serving the Manhattan Bridge temporarily started in 2020 and was discontinued by the time of the 2021 Hub Bound survey.

TABLE 5 (continued)
TOTAL PUBLIC TRANSIT PASSENGERS AND BICYCLISTS
ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY, 2015-2023

I-10

	2015	2016	2017	2018	2019	2020	2021	2022	2023
SUBWAY PASSENGERS									
60TH STREET SECTOR									
SECOND AVENUE LOCAL	(1)	(1)	149,277	152,728	152,027	47,959	81,862	99,643	121,460
LEXINGTON AVENUE EXPRESS	363,116	386,250	330,963	318,049	316,231	123,279	181,366	188,062	217,180
LEXINGTON AVENUE LOCAL	327,790	307,982	247,372	233,504	240,531	85,156	144,095	168,036	179,786
EIGHTH AVENUE EXPRESS	299,008	274,781	300,544	287,321	283,787	104,784	154,031	177,198	177,731
EIGHTH AVENUE LOCAL	144,149	144,082	141,307	113,955	136,281	32,644	72,485	82,000	86,312
BROADWAY/7TH AVE EXPRESS	311,191	320,456	302,063	274,527	291,697	94,066	160,185	173,251	167,012
BROADWAY/7TH AVE LOCAL	235,108	223,675	214,038	240,356	226,567	63,981	129,256	157,355	154,763
SECTOR TOTAL	1,680,362	1,657,226	1,685,564	1,620,440	1,647,121	551,869	923,280	1,045,545	1,104,244
BROOKLYN SECTOR									
14TH STREET TUNNEL	258,485	248,094	304,551	256,472	246,791	93,175	158,847	186,105	177,791
WILLIAMSBURG BRIDGE	160,790	165,077	122,004	145,506	148,986	49,966	80,067	84,804	80,932
RUTGERS TUNNEL	157,575	154,766	122,820	143,512	132,948	36,933	76,629	93,577	90,554
MANHATTAN BRIDGE	437,764	419,024	439,103	439,896	406,397	152,113	242,203	286,227	298,527
CRANBERRY ST. TUNNEL	252,724	251,898	239,232	258,881	249,039	75,446	124,592	159,853	165,033
CLARK ST. TUNNEL	147,180	151,529	144,782	131,054	142,671	39,328	76,111	89,159	92,164
MONTAGUE ST. TUNNEL	56,863	61,386	61,642	59,960	51,434	11,107	25,501	29,896	32,153
JORALEMON ST. TUNNEL	169,645	187,043	178,793	162,733	167,197	57,364	91,852	106,016	119,879
SECTOR TOTAL	1,641,026	1,638,817	1,612,927	1,598,014	1,545,463	515,432	875,802	1,035,637	1,057,033
QUEENS SECTOR									
60TH STREET TUNNEL	283,573	292,407	268,370	250,506	224,151	83,686	138,688	158,913	185,659
53RD STREET TUNNEL	290,750	261,254	298,886	316,289	290,643	101,345	172,722	197,185	129,530
STEINWAY ST. TUNNEL	251,677	253,508	250,218	213,140	259,095	91,707	127,949	163,833	163,262
63RD STREET TUNNEL	184,759	180,682	140,057	170,538	158,364	46,018	94,603	112,302	123,068
SECTOR TOTAL	1,010,759	987,851	957,531	950,473	932,253	322,756	533,962	632,233	601,519

Notes: - See notes 1 & 2 on page I-0.

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

TABLE 5 (continued)
TOTAL PUBLIC TRANSIT PASSENGERS AND BICYCLISTS
ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY, 2015-2023

	2015	2016	2017	2018	2019	2020	2021	2022	2023
SUBWAY PASSENGERS									
NEW JERSEY SECTOR									
PATH DOWNTOWN	109,785	122,884	132,208	139,153	137,082	30,660	57,903	78,347	95,253
PATH UPTOWN	135,752	130,859	137,426	130,792	136,365	29,978	61,442	81,770	89,227
SECTOR TOTAL	245,537	253,743	269,634	269,945	273,447	60,638	119,345	160,117	184,480
TOTAL SUBWAY PASSENGERS	4,577,684	4,537,637	4,525,656	4,438,872	4,398,284	1,450,695	2,452,389	2,873,532	2,947,276
SUBURBAN RAIL PASSENGERS									
AMTRAK & MTA METRO-NORTH RR	221,466	222,545	226,389	228,682	226,296	36,535	100,083	143,884	171,874
AMTRAK & MTA LIRR	238,956	242,343	242,853	243,485	246,843	70,989	109,229	204,826	232,706
AMTRAK & NJ TRANSIT	194,377	200,805	197,399	196,740	212,191	40,158	84,514	120,706	177,795
TOTAL RAIL PASSENGERS	654,799	665,693	666,641	668,907	685,330	147,682	293,826	469,416	582,375
FERRY PASSENGERS									
MANHATTAN & UPSTATE	-	-	-	-	-	-	-	1,911	2,227
BROOKLYN	468	1,538	3,891	3,290	5,203	1,993	3,537	3,300	4,122
QUEENS	948	1,261	6,850	6,580	8,327	5,110	8,060	6,653	9,004
STATEN ISLAND (1)	72,456	84,116	79,159	83,709	68,175	27,007	34,726	43,913	48,950
NEW JERSEY	34,887	35,836	35,901	36,340	36,820	6,659	17,837	24,776	27,687
TOTAL FERRY PASSENGRS	108,759	122,751	125,801	129,919	118,525	40,769	64,160	78,642	89,763
ROOSEVELT ISLAND TRAMWAY	7,680	9,205	5,516	7,326	7,820	2,500	4,687	5,530	10,601
TOTAL PUBLIC TRANSIT PASSENGERS (2)	5,929,761	5,891,026	5,880,996	5,790,122	5,742,266	1,808,212	3,078,055	3,805,564	4,055,119
BICYCLE (3)	58,448	64,078	67,286	67,160	65,588	79,980	68,481	78,783	83,440

Notes: - See notes 1 & 2 on page I-0.

(1) Excludes number of bicyclists on ferry.

(2) Total includes sum of Tables 5 (A, B, C) passengers.

(3) Total for all sectors, including Staten Island Ferry bicyclists.

TABLE 6
TOTAL RAIL TRAINS ENTERING AND LEAVING THE HUB
ON A FALL BUSINESS DAY (2020-2023)

SECTOR AND FACILITY	2020			2021			2022			2023		
	AM	PM	OFF *	AM	PM	OFF *	AM	PM	OFF *	AM	PM	OFF *
	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)
60TH STREET SECTOR												
SECOND AVE LOCAL (1)	25	24	257	21	21	223	23	23	247	25	25	259
LEXINGTON AVE EXPRESS	58	67	459	60	65	436	62	56	434	63	67	468
LEXINGTON AVE LOCAL	52	51	437	49	49	432	52	48	441	52	50	453
EIGHTH AVE EXPRESS	50	44	478	41	38	401	47	43	464	47	44	485
EIGHTH AVE LOCAL	33	32	311	32	32	284	37	35	333	33	35	321
B'WAY/7TH AV EXPRESS	53	55	444	53	52	425	57	49	380	59	50	426
B'WAY/7TH AV LOCAL	40	41	372	39	38	351	40	39	355	42	40	390
AMTRAK/METRO-NORTH	51	51	245	83	73	352	117	108	388	115	108	384
SECTOR TOTAL	362	365	3,003	378	368	2,904	435	401	3,042	436	419	3,186
BROOKLYN SECTOR												
14TH STREET TUNNEL	52	46	442	48	41	412	48	45	446	51	45	449
WILLIAMSBURG BRIDGE	49	47	408	44	44	368	49	46	398	35	42	400
RUTGERS ST. TUNNEL	23	23	260	29	31	287	32	34	304	29	31	271
MANHATTAN BRIDGE	98	90	825	88	79	661	95	80	772	94	98	775
CRANBERRY ST. TUNNEL	51	50	385	48	45	332	54	54	402	50	50	418
CLARK ST. TUNNEL	44	53	411	45	50	411	44	42	413	49	46	427
MONTAGUE ST. TUNNEL	25	25	208	24	24	278	22	25	265	22	23	239
JORALEMON ST. TUNNEL	56	61	467	58	57	434	56	55	437	59	62	477
SECTOR TOTAL	398	395	3,406	384	371	3,183	400	381	3,437	389	397	3,456
QUEENS SECTOR												
60TH STREET TUNNEL	63	62	549	57	64	508	62	59	475	66	67	551
53RD STREET TUNNEL	56	57	418	57	56	459	52	60	464	35	30	254
STEINWAY ST. TUNNEL	69	65	504	68	59	441	70	63	497	71	64	502
63RD STREET TUNNEL	23	22	263	34	38	280	34	37	301	32	34	258
AMTRAK/LIRR TUNNEL	80	74	332	62	60	317	96	99	525	123	126	627
SECTOR TOTAL	291	280	2,066	278	277	2,005	314	318	2,262	327	321	2,192
SUBTOTAL, NYCT	920	915	7,898	895	883	7,423	936	893	7,828	914	903	7,823
NEW JERSEY SECTOR												
PATH DOWNTOWN TUNNEL	65	65	375	65	65	362	62	62	355	57	58	341
PATH UPTOWN TUNNEL	62	58	364	62	58	365	62	58	384	57	56	362
AMTRAK/NJ TRANSIT TUNNELS	49	47	276	48	45	260	53	55	327	56	56	303
SECTOR TOTAL	176	170	1,015	175	168	987	177	175	1,066	170	170	1,006
GRAND TOTAL	1,227	1,210	9,490	1,215	1,184	9,079	1,326	1,275	9,807	1,322	1,307	9,840

Notes: - See note 1 on page I-0.
 * 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.
 (1) Second Avenue subway on the Upper East Side (the first phase of the new subway line) officially opened to the public on Jan. 1, 2017.

TABLE 7
NUMBER OF RAIL CARS ON SUBWAY AND COMMUTER RAIL TRAINS
ENTERING AND LEAVING THE HUB
ON A FALL BUSINESS DAY (2020-2023)

SECTOR AND FACILITY	2020			2021			2022			2023		
	AM	PM	OFF *	AM	PM	OFF *	AM	PM	OFF *	AM	PM	OFF *
	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)	PEAK (3 hrs)	PEAK (3 hrs)	PEAK (18 hrs)
60TH STREET SECTOR												
SECOND AVE LOCAL (1)	200	192	2,056	168	168	1,784	184	184	1,976	200	200	2,072
LEXINGTON AVE EXPRESS	580	670	4,590	600	650	4,360	620	560	4,340	630	670	4,680
LEXINGTON AVE LOCAL	520	510	4,370	490	490	4,320	520	480	4,410	520	500	4,530
EIGHT AVE EXPRESS	400	352	3,824	328	304	3,208	376	344	3,712	376	352	3,880
EIGHT AVE LOCAL	264	256	2,488	256	256	2,272	296	280	2,664	264	280	2,568
B'WAY/7TH AV EXPRESS	530	550	4,440	530	520	4,250	570	490	3,800	590	500	4,260
B'WAY/7TH AV LOCAL	400	410	3,720	390	380	3,510	400	390	3,550	420	400	3,900
AMTRAK/METRO-NORTH	384	395	1,835	644	561	2,704	780	711	2,572	814	758	2,654
SECTOR TOTAL	3,278	3,335	27,323	3,406	3,329	26,408	3,746	3,439	27,024	3,814	3,660	28,544
BROOKLYN SECTOR												
14TH STREET TUNNEL	416	368	3,536	384	328	3,296	384	360	3,568	408	360	3,592
WILLIAMSBURG BRIDGE	392	376	3,264	352	352	2,944	392	368	3,184	280	336	3,200
RUTGERS ST. TUNNEL	230	230	2,600	290	310	2,870	320	340	3,040	290	310	2,710
MANHATTAN BRIDGE	784	720	6,600	704	632	5,288	760	640	6,176	752	784	6,200
CRANBERRY ST. TUNNEL	408	400	3,080	384	360	2,656	432	432	3,216	400	400	3,344
CLARK ST. TUNNEL	440	530	4,110	450	500	4,110	440	420	4,130	490	460	4,270
MONTAGUE ST. TUNNEL	246	250	2,040	240	240	2,660	220	250	2,564	220	230	2,334
JORALEMON ST. TUNNEL	560	610	4,670	580	570	4,340	560	550	4,370	590	620	4,770
SECTOR TOTAL	3,476	3,484	29,900	3,384	3,292	28,164	3,508	3,360	30,248	3,430	3,500	30,420
QUEENS SECTOR												
60TH STREET TUNNEL	552	544	4,770	500	560	4,414	542	522	4,150	582	594	4,780
53RD STREET TUNNEL	516	528	3,868	530	520	4,296	478	556	4,340	350	300	2,540
STEINWAY ST. TUNNEL	759	715	5,544	748	649	4,851	770	693	5,467	781	704	5,522
63RD STREET TUNNEL	230	220	2,630	340	380	2,800	340	370	3,010	320	340	2,580
AMTRAK/LIRR TUNNEL	782	738	3,253	614	612	3,237	775	806	4,094	1,033	1,048	5,388
SECTOR TOTAL	2,839	2,745	20,065	2,732	2,721	19,598	2,905	2,947	21,061	3,066	2,986	20,810
TOTAL, NYCT	8,427	8,431	72,200	8,264	8,169	68,229	8,604	8,229	71,667	8,463	8,340	71,732
NEW JERSEY SECTOR												
PATH DOWNTOWN TUNNEL	494	494	2,849	494	494	2,745	470	470	2,689	446	453	2,618
PATH UPTOWN TUNNEL	434	406	2,548	434	406	2,555	434	406	2,688	399	392	2,534
AMTRAK/NJ TRANSIT TUNNELS	427	404	2,211	407	405	2,110	443	450	2,496	458	454	2,400
SECTOR TOTAL	1,355	1,304	7,608	1,335	1,305	7,410	1,347	1,326	7,873	1,303	1,299	7,552
GRAND TOTAL	10,948	10,868	84,896	10,857	10,647	81,580	11,506	11,072	86,206	11,613	11,445	87,326

Notes: - See note 1 on page I-0.
* 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.
(1) Second Avenue subway on the Upper East Side (the first phase of the new subway line) officially opened to the public on Jan. 1, 2017.

TABLE 8
AVERAGE FLOOR SPACE PER PASSENGER (1)
ENTERING THE HUB ON A FALL BUSINESS DAY,
DURING 8AM-9AM PEAK HOUR (2013-2023)
(in square feet)

MODE / YEAR	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
60TH STREET SECTOR											
SUBWAY-EXPRESS	4.5	4.4	4.0	3.9	4.3	4.4	4.4	17.6	9.0	7.9	8.3
SUBWAY-LOCAL	4.9	4.9	5.1	5.1	5.2	4.8	5.2	27.5	10.6	8.1	9.0
SUBURBAN RAIL	7.2	7.3	7.2	7.3	7.0	7.0	7.0	26.1	12.4	10.1	8.9
BUS	10.9	11.6	13.0	14.0	15.2	15.5	12.6	36.5	22.6	16.0	14.6
SECTOR AVERAGE	5.3	5.4	5.2	5.2	5.4	5.4	5.4	22.5	10.6	8.7	8.9
BROOKLYN SECTOR											
SUBWAY	5.2	5.3	5.3	5.2	5.4	5.2	5.1	23.9	11.4	8.9	9.2
BUS	8.6	9.3	8.9	9.0	9.5	9.1	9.8	36.0	20.7	14.9	13.2
SECTOR AVERAGE	5.4	5.4	5.4	5.4	5.5	5.3	5.3	24.3	11.7	9.1	9.4
QUEENS SECTOR											
SUBWAY	5.3	5.5	5.1	5.1	5.1	4.9	5.4	18.6	10.3	8.0	8.6
SUBURBAN RAIL	7.0	7.0	6.9	6.9	7.0	7.0	7.0	37.6	15.4	8.3	8.7
BUS	10.7	11.8	12.3	15.7	12.7	14.4	14.3	47.2	30.2	21.6	18.2
SECTOR AVERAGE	6.0	6.1	5.8	5.8	5.8	5.6	6.1	23.3	11.8	8.4	8.9
NEW JERSEY SECTOR											
SUBWAY	4.6	4.7	4.4	4.1	3.8	3.6	3.8	23.9	9.1	5.6	4.5
SUBURBAN RAIL	5.8	5.4	5.6	4.5	5.4	4.9	5.0	36.2	13.2	11.4	6.2
BUS	9.1	9.1	8.2	8.3	8.3	8.2	8.3	29.4	12.4	7.8	8.1
SECTOR AVERAGE	6.8	6.6	6.3	5.8	5.9	5.8	5.8	29.0	11.4	7.6	6.3
STATEN ISLAND FERRY	13.7	14.5	12.7	14.6	12.8	12.6	17.4	65.1	36.6	30.2	27.5
ROOSEVELT ISLAND TRAMWAY	2.6	3.5	3.1	2.7	6.2	4.1	4.3	4.3	6.9	6.9	3.6
ALL TRANSIT MODES	5.7	5.8	5.7	5.6	5.7	5.6	5.7	24.5	11.6	8.7	8.7

Notes: - See notes 1 & 2 on page I-0.

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

TABLE 9
EXPRESS AND LOCAL BUSES AND BUS PASSENGERS ENTERING THE HUB
ON A FALL BUSINESS DAY (2013-2023)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
BUS PASSENGERS											
EXPRESS BUS											
NEW YORK CITY	48,062	45,889	43,118	41,745	42,848	40,938	39,737	16,783	26,312	33,664	33,903
WEST OF HUDSON	191,988	192,349	214,609	215,478	219,336	217,485	212,146	57,543	95,076	148,627	154,610
NORTH OF NYC	354	272	252	241	260	291	236	114	145	175	119
TOTAL EXPRESS BUS	240,404	238,510	257,979	257,464	262,444	258,714	252,119	74,440	121,533	182,466	188,632
LOCAL BUS	27,832	24,161	20,975	21,229	19,834	21,021	24,107	12,266	14,750	19,409	26,150
TOTAL BUS PASSENGERS	268,236	262,671	278,954	278,693	282,278	279,735	276,226	86,706	136,283	201,875	214,782
NUMBER OF BUSES											
EXPRESS BUS											
NEW YORK CITY	1,659	1,645	1,617	1,597	1,604	1,631	1,648	1,699	1,675	1,674	1,678
WEST OF HUDSON	7,588	7,698	7,728	7,754	7,967	7,868	7,789	4,730	5,103	5,360	5,758
NORTH OF NYC	12	12	12	11	11	11	10	10	8	8	8
TOTAL EXPRESS BUS	9,259	9,355	9,357	9,362	9,582	9,510	9,447	6,439	6,786	7,042	7,444
LOCAL BUS	1,791	1,759	1,728	1,782	1,803	1,749	1,743	1,822	1,669	1,711	1,752
TOTAL BUSES	11,050	11,114	11,085	11,144	11,385	11,259	11,190	8,261	8,455	8,753	9,196

Note: - See notes 1 & 2 on page I-0.

TABLE 10
TOTAL PERSONS ENTERING AND LEAVING THE HUB BY AUTO, TAXI, VAN AND TRUCK
ON A FALL BUSINESS DAY (2014-2023)

VEHICLE OCCUPANTS / LOCATION	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
60TH STREET SECTOR										
EAST OF CENTRAL PARK										
FDR DRIVE	191,309	187,021	192,664	192,149	201,826	180,015	192,324	190,336	197,364	198,412
YORK AVENUE	42,477	42,909	30,726	30,448	34,210	33,607	21,750	26,915	25,205	31,255
SECOND AND FIRST AVENUES	105,217	98,916	88,794	98,573	90,259	85,191	71,136	77,057	75,952	82,995
QUEENSBORO BRIDGE RAMP (1)	39,033	39,984	42,738	39,821	41,299	41,737	31,362	-	-	-
LEXINGTON AND THIRD AVENUES	67,055	62,575	63,911	61,795	61,799	57,313	42,903	52,245	52,155	42,875
PARK AVENUE	56,929	52,978	49,594	48,965	51,764	51,983	35,684	49,333	40,081	45,173
FIFTH AND MADISON AVENUES	68,590	68,710	69,745	56,484	54,586	53,561	43,241	50,934	50,764	50,332
SUBTOTAL	570,610	553,093	538,172	528,235	535,743	503,407	438,400	446,820	441,521	451,042
CENTRAL PARK DRIVES (2)	10,285	11,501	7,971	7,584						
WEST OF CENTRAL PARK (3)										
EIGHTH AVE./CENTRAL PARK WEST	24,641	24,581	22,836	23,186	22,324	20,789	14,049	13,426	14,335	16,436
BROADWAY	39,691	38,746	35,562	38,454	33,011	33,567	20,887	27,130	24,448	27,270
COLUMBUS AND AMSTERDAM AVE.	52,454	55,872	52,190	53,383	58,403	51,764	38,715	44,141	42,403	47,941
WEST END AVENUE	33,035	32,513	29,814	30,479	32,912	30,693	20,763	22,430	27,060	23,171
WEST SIDE HIGHWAY	130,798	130,334	132,990	130,145	128,221	138,491	110,957	123,547	129,900	128,878
SUBTOTAL	280,619	282,046	273,392	275,647	274,871	275,304	205,371	230,674	238,146	243,696
SECTOR TOTAL	861,514	846,640	819,535	811,466	810,613	778,711	643,771	677,494	679,667	694,738
BROOKLYN SECTOR										
WILLIAMSBURG BRIDGE	141,418	133,361	133,941	133,698	133,007	163,455	108,349	115,572	117,359	110,818
MANHATTAN BRIDGE	113,982	118,636	115,102	108,897	102,793	94,645	93,911	94,625	95,902	96,986
BROOKLYN BRIDGE	126,865	129,227	133,399	145,130	150,549	193,433	144,150	131,867	134,750	136,742
HUGH L. CAREY TUNNEL	61,509	64,050	65,036	63,168	68,007	66,142	63,104	77,333	76,422	76,129
SECTOR TOTAL	443,774	445,274	447,478	450,893	454,356	517,675	409,514	419,397	424,433	420,675
QUEENS SECTOR										
QUEENS MIDTOWN TUNNEL	122,316	127,551	108,118	118,366	122,509	128,342	94,971	115,543	128,640	130,832
ED KOCH QUEENSBORO BRIDGE (4)	211,164	211,117	206,019	204,401	176,123	196,768	153,659	128,434	140,291	136,576
SECTOR TOTAL	333,480	338,668	314,137	322,767	298,632	325,110	248,630	243,977	268,931	267,408
NEW JERSEY SECTOR										
HOLLAND TUNNEL	102,579	106,165	104,959	102,949	105,863	108,097	86,972	97,502	105,736	96,176
LINCOLN TUNNEL	132,058	142,484	134,184	136,876	129,952	126,643	110,975	136,046	131,982	146,047
SECTOR TOTAL	234,637	248,649	239,143	239,825	235,815	234,740	197,947	233,548	237,718	242,223
TOTAL, ALL FACILITIES	1,873,405	1,879,231	1,820,293	1,824,951	1,799,416	1,856,236	1,499,862	1,574,416	1,610,749	1,625,044

Notes: - See notes 1 & 2 on page I-0.

(1) The Hub Bound volume data across the QBB was impacted by a new method of collection and construction. Beginning from 2021, vehicles that use the northern Queensboro bridge exit were excluded as these are not entering the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

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

(3) 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.

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

TABLE 11
MOTOR VEHICLES (AUTOS, TAXIS, VANS, & TRUCKS)
ENTERING AND LEAVING THE HUB ON A FALL BUSINESS DAY (2014-2023)

MOTOR VEHICLES / LOCATION	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
60th STREET SECTOR										
EAST OF CENTRAL PARK										
FDR DRIVE	146,976	143,495	147,824	147,470	155,529	138,475	148,510	145,996	151,520	152,314
YORK AVENUE	32,708	32,940	24,429	23,390	26,272	25,891	16,766	20,887	19,341	23,368
SECOND AND FIRST AVENUES	79,161	74,267	66,341	74,201	68,167	64,149	53,514	58,084	56,984	62,144
ED KOCH QUEENSBORO BRIDGE RAMP (1)	32,367	33,149	35,408	33,049	34,248	34,588	26,034	0	-	-
LEXINGTON AND THIRD AVENUES	50,375	47,037	47,866	46,379	46,365	42,675	32,039	38,569	38,237	31,757
PARK AVENUE	39,370	36,517	34,334	33,927	35,942	36,052	24,773	34,278	27,751	31,299
FIFTH AND MADISON AVENUES	45,444	45,569	46,251	37,677	36,342	35,592	28,826	33,824	33,698	33,347
SUBTOTAL	426,401	412,974	402,453	396,093	402,865	377,422	330,462	331,638	327,531	334,229
CENTRAL PARK DRIVES	5,750	6,399	4,452	4,244	(2)	(2)	(2)	(2)	(2)	(2)
WEST OF CENTRAL PARK (3)										
CENTRAL PARK WEST	13,915	13,839	12,926	13,096	12,625	11,752	7,924	7,596	8,095	9,270
BROADWAY	29,600	28,927	26,550	28,731	24,626	25,066	15,612	20,369	18,222	20,383
COLUMBUS AND AMSTERDAM AVES.	39,700	42,229	39,487	40,430	44,205	39,190	29,326	33,404	32,048	36,222
WEST END AVENUE	22,980	22,611	20,725	21,182	22,888	21,338	14,452	15,606	18,813	16,114
WEST SIDE HIGHWAY	114,186	113,753	116,126	113,626	112,080	120,901	96,943	107,895	113,372	112,531
SUBTOTAL	220,381	221,359	215,814	217,065	216,424	218,247	164,257	184,870	190,550	194,520
SECTOR TOTAL	652,532	640,732	622,719	617,402	619,288	595,669	494,719	516,508	518,081	528,749
BROOKLYN SECTOR										
WILLIAMSBURG BRIDGE	111,575	105,154	105,590	105,352	104,722	128,214	85,357	90,996	92,465	87,241
MANHATTAN BRIDGE	84,048	87,046	85,084	80,273	75,862	69,245	69,505	68,102	70,768	71,551
BROOKLYN BRIDGE	99,986	102,219	105,679	115,981	119,735	158,132	114,184	104,862	107,032	107,235
HUGH L. CAREY TUNNEL	53,532	55,734	56,545	55,039	59,201	57,599	54,978	67,315	66,518	66,337
SECTOR TOTAL	349,141	350,153	352,898	356,645	359,520	413,190	324,024	331,275	336,783	332,364
QUEENS SECTOR										
QUEENS MIDTOWN TUNNEL	84,628	88,573	74,883	82,392	85,330	89,352	66,296	80,709	89,533	90,824
ED KOCH QUEENSBORO BRIDGE (4)	173,508	173,776	169,586	168,029	144,782	161,881	126,631	104,891	114,863	111,919
SECTOR TOTAL	258,136	262,349	244,469	250,421	230,112	251,233	192,927	185,600	204,396	202,743
NEW JERSEY SECTOR										
HOLLAND TUNNEL	85,467	88,457	87,481	85,804	86,141	87,985	70,886	81,179	82,786	79,977
LINCOLN TUNNEL	95,662	103,110	97,020	99,005	98,187	95,582	84,137	98,355	104,203	105,322
SECTOR TOTAL	181,129	191,567	184,501	184,809	184,328	183,567	155,023	179,534	186,989	185,299
TOTAL, ALL FACILITIES	1,440,938	1,444,801	1,404,587	1,409,277	1,393,248	1,443,659	1,166,693	1,212,917	1,246,249	1,249,155

Notes: - See notes 1 & 2 on page I-0.

(1) The Hub Bound volume data across the QBB was impacted by a new method of collection and construction. Beginning from 2021, vehicles that use the northern Queensboro bridge exit were excluded as these are not entering the CBD but flying over it. Care should be taken in comparing this year's data with prior years of data.

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

(3) 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.

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

TABLE 12
REVERSE TRAVEL FROM THE HUB DURING AM PEAK PERIOD (7AM - 10AM)
ON A FALL BUSINESS DAY (2016-2023), BY MODE AND BY SECTOR

YEAR / SECTOR / MODE	2016	2017	2018	2019	2020	2021	2022	2023
SECTOR								
60TH STREET	203,088	207,161	203,943	212,589	113,588	148,411	153,641	161,172
BROOKLYN	109,910	109,364	109,886	101,066	63,093	85,730	84,217	81,955
QUEENS	66,830	64,037	44,406	60,853	31,038	44,492	49,722	47,593
NEW JERSEY	68,908	68,479	67,894	65,551	26,211	35,149	45,350	50,698
STATEN ISLAND	2,430	2,377	2,391	2,431	1,150	1,063	1,279	1,349
ROOSEVELT ISLAND	256	200	266	259	151	180	207	457
TOTAL, ALL SECTORS	451,422	451,618	428,786	442,749	235,231	315,025	334,416	343,224
MODE								
AUTOS, TAXIS, VANS AND TRUCKS	117,077	117,441	119,827	114,474	107,893	114,779	105,305	105,889
BUS	36,633	35,812	35,624	32,974	11,776	17,141	23,855	30,657
SUBWAY	273,265	273,944	266,087	269,136	103,862	167,260	180,882	179,446
SUBURBAN AND INTERCITY RAIL	17,418	17,250	17,382	19,049	6,100	9,966	15,457	16,913
FERRY	3,690	3,764	3,817	3,890	1,953	2,632	5,303	6,064
TRAMWAY	256	200	266	259	151	180	207	457
BICYCLE	3,083	3,207	3,569	2,967	3,496	3,067	3,407	3,798
TOTAL, ALL MODES	451,422	451,618	446,572	442,749	235,231	315,025	334,416	343,224

Notes:

- See notes 1 & 2 on page I-0.
- Persons leaving the Hub during 7am - 10am peak period and traveling contrary to the predominant direction of travel.
- Reverse travelers may not necessarily have originated from the CBD. It includes through trips as well.

TABLE 13A
TRI-STATE REGION - POPULATION

	POPULATION (in thousands)				PERCENT CHANGE		
	2020	2021	2022	2023	2021/ 2020	2022/ 2021	2023/ 2022
CONNECTICUT REGION							
3 COUNTIES	1,981	2,008	2,011	2,007	1.4%	0.1%	-0.2%
NEW JERSEY							
9 COUNTIES	5,729	5,964	5,968	5,972	4.1%	0.1%	0.1%
NEW YORK STATE							
MANHATTAN HUB (1)	627	599	633	635	-4.5%	5.7%	0.3%
NYC REMAINDER	7,752	7,869	7,989	7,881	1.5%	1.5%	-1.4%
7 SUBURBAN COUNTIES	4,905	5,054	5,045	5,049	3.0%	-0.2%	0.1%
TOTAL	13,285	13,521	13,667	13,565	1.8%	1.1%	-0.7%
TOTAL REGION	20,995	21,494	21,645	21,544	2.4%	0.7%	-0.5%

Notes:

- See note 1 on page I-0.
- The 3 counties of Connecticut are: New Haven, Fairfield, and Litchfield counties.
- The 9 counties of New Jersey are: Bergen, Essex, Hudson, Middlesex, Monmouth, Morris, Passaic, Somerset and Union.
- The 7 suburban counties of New York are: Dutchess, Nassau, Orange, Putnam, Rockland, Suffolk and Westchester.
- County level population data is based on American Community Survey (ACS) Census data for the years: 2020-2023.
- 2020-2023 Manhattan Hub population data is calculated based on the Census tract data.

(1) NYMTC Estimate based on Census Tract data.

TABLE 13B
TRI-STATE REGION NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

	EMPLOYMENT (in thousands)				PERCENT CHANGE		
	2020	2021	2022	2023	2020/ 2019	2021/ 2020	2023/ 2022
CONNECTICUT REGION							
3 COUNTIES	1,001	1,004	1,008	1,012	0.4%	0.4%	0.4%
NEW JERSEY							
9 COUNTIES	2,907	2,919	2,930	2,941	0.4%	0.4%	0.4%
NEW YORK STATE							
MANHATTAN HUB (1)	2,185	2,199	2,212	2,226	0.6%	0.6%	0.6%
NYC REMAINDER	2,959	2,965	2,972	2,978	0.2%	0.2%	0.2%
7 SUBURBAN COUNTIES	2,231	2,240	2,248	2,257	0.4%	0.4%	0.4%
TOTAL	7,376	7,404	7,432	7,461	0.4%	0.4%	0.4%
REGION TOTAL	11,284	11,327	11,370	11,414	0.4%	0.4%	0.4%

Notes:

- See note 1 on page I-0.
- The 3 counties of Connecticut are: New Haven, Fairfield, and Litchfield counties.
- The 9 counties of New Jersey are: Bergen, Essex, Hudson, Middlesex, Monmouth, Morris, Passaic, Somerset and Union.
- The 7 suburban counties of New York are: Dutchess, Nassau, Orange, Putnam, Rockland, Suffolk and Westchester.
- Employment (i.e., number of jobs at the place of work) was collected for NYMTC's Adjusted 2055 SED Forecast adopted on June 20th, 2024.

(1) NYMTC Estimate based on based on Census tract data.

(2) Employment data was taken from the SED forecasts and do not show employment loss in 2020, 2021, & 2022 due to the COVID-19 pandemic.

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Appendix II

Summary Tables - 2023

Note:

- I. Changes in travel behavior due to the COVID-19 pandemic remain. However, there has been continuous and steady increase in travel since 2020.
- II. Data collection methods, standards, etc. may have changed over the years in various ways. Care should be taken when comparing prior years' data.
- III. Some data for 1999 were lost on 9/11/2001.

TABLE 14 A
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL DAY IN 2023
MORNING PEAK HOUR (8-9 AM)

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN RAIL
	8-9 AM	8-9 AM	8-9 AM	8-9 AM	8-9 AM	8-9 AM
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	6,930	-	-	-	-	-
York Avenue	320	-	-	-	223	-
First Avenue	-	-	-	-	-	-
Second Avenue	2,383	-	8,200	513	259	-
Third Avenue	-	-	-	-	-	-
Lexington Avenue-IRT	781	12,559	8,268	45	651	-
Park Ave	1,551	-	-	-	-	22,550
Madison Avenue	-	-	-	-	-	-
Fifth Avenue	1,748	-	-	684	932	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	969	12,909	6,813	12	395	-
Eighth Avenue	-	11,291	5,370	-	-	-
Columbus Avenue	1,627	-	-	-	138	-
Amsterdam Avenue	-	-	-	-	-	-
West End Avenue	968	-	-	-	97	-
West Side Highway	4,646	-	-	-	-	232
Hudson River Greenway	-	-	-	-	-	-
SECTOR TOTAL	21,923	36,759	28,651	1,254	2,695	22,782
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	13,495	-	-	-
Williamsburg Bridge-BMT	2,689	-	3,412	-	2	-
Rutgers Tunnel-IND	-	-	6,055	-	-	-
Manhattan Bridge-BMT	2,995	11,928	12,630	-	-	-
Brooklyn Bridge	3,228	-	-	-	-	-
Cranberry Tunnel-IND	-	-	12,610	-	-	-
Clark Tunnel-IRT	-	-	7,038	-	-	-
Montague Tunnel-BMT	-	-	2,554	-	-	-
Joralemon Tunnel-IRT	-	-	9,553	-	-	-
Hugh L. Carey Tunnel	3,361	-	-	3,703	-	-
	-	-	-	-	-	-
SECTOR TOTAL	12,273	11,928	67,347	3,703	2	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	9,959	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	14,872	-	-	-
Ed Koch Queensboro Bridge-Tramway	2,906	-	-	-	153	-
Fifty-third St. Tunnel-IND	-	-	9,401	-	-	-
Steinway Tunnel-IRT	-	-	12,242	-	-	-
Queens Midtown Tunnel-IRT	4,478	-	-	2,038	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	27,598
	-	-	-	-	-	-
SECTOR TOTAL	7,384	-	46,474	2,038	153	27,598
NEW JERSEY SECTOR						
Lincoln Tunnel	4,741	-	-	25,019	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	18,663
Uptown PATH Tunnel	-	-	10,686	-	-	-
Holland Tunnel	3,054	-	-	516	-	-
Downtown PATH Tunnel	-	-	13,234	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	7,795	-	23,920	25,535	-	18,663
	-	-	-	-	-	-
TOTAL, ALL SECTORS	49,375	48,687	166,392	32,530	2,850	69,043

Note: See note 1 on page II-0.
- Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not entering the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

TABLE 14 A (Continued)
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL DAY IN 2023
MORNING PEAK HOUR (8-9 AM)

LOCATION / TRAVEL MODE	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS ALL MODES
	8-9 AM	8-9 AM	8-9 AM	8-9 AM	8-9 AM
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	6,930
York Avenue	-	-	-	223	543
First Avenue	-	-	2	2	2
Second Avenue	-	-	533	9,505	11,888
Third Avenue	-	-	6	6	6
Lexington Avenue- IRT	-	-	125	21,648	22,429
Park Ave	-	-	70	22,620	24,171
Madison Avenue	-	-	4	4	4
Fifth Avenue	-	-	119	1,735	3,483
Sixth Avenue	-	-	11	11	11
Seventh Avenue	-	-	226	226	226
Broadway	-	-	167	20,296	21,265
Eighth Avenue	-	-	11	16,672	16,672
Columbus Avenue	-	-	168	306	1,933
Amsterdam Avenue	-	-	11	11	11
West End Avenue	-	-	67	164	1,132
West Side Highway	-	-	-	232	4,878
Hudson River Greenway	-	-	463	463	463
All Ferry Points	42	-	-	42	42
	-	-	-	-	-
SECTOR TOTAL	42	-	1,983	94,166	116,089
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	13,495	13,495
Williamsburg Bridge-BMT	-	-	499	3,913	6,602
Rutgers Tunnel-IND	-	-	-	6,055	6,055
Manhattan Bridge-BMT	-	-	401	24,959	27,954
Brooklyn Bridge	-	-	384	384	3,612
Cranberry Tunnel-IND	-	-	-	12,610	12,610
Clark Tunnel-IRT	-	-	-	7,038	7,038
Montague Tunnel-BMT	-	-	-	2,554	2,554
Joralemon Tunnel-IRT	-	-	-	9,553	9,553
Hugh L. Carey Tunnel	-	-	-	3,703	7,064
All Ferry Points	90	-	-	90	90
SECTOR TOTAL	90	-	1,284	84,354	96,627
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	9,959	9,959
Sixtieth St. Tunnel-BMT/IND	-	-	-	14,872	14,872
Ed Koch Queensboro Bridge-Tramway	-	571	554	1,278	4,184
Fifty-third St. Tunnel-IND	-	-	-	9,401	9,401
Steinway Tunnel-IRT	-	-	-	12,242	12,242
Queens Midtown Tunnel-IRT	-	-	-	2,038	6,516
Amtrak/LIRR Tunnels	-	-	-	27,598	27,598
All Ferry Points	153	-	-	153	153
SECTOR TOTAL	153	571	554	77,541	84,925
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	25,019	29,760
Amtrak/N.J. Transit Tunnels	-	-	-	18,663	18,663
Uptown PATH Tunnel	-	-	-	10,686	10,686
Holland Tunnel	-	-	-	516	3,570
Downtown PATH Tunnel	-	-	-	13,234	13,234
All Ferry Points	3,482	-	-	3,482	3,482
SECTOR TOTAL	3,482	-	-	71,600	79,395
Staten Island Ferry, Bicycle	3,002	-	44	3,046	3,046
TOTAL, ALL SECTORS	6,769	571	3,865	330,707	380,082

TABLE 14 B
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL DAY IN 2023
MORNING PEAK PERIOD (7-10 AM)

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN RAIL
	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	19,624	-	-	-	-	-
York Avenue	988	-	-	-	509	-
First Avenue	-	-	-	-	-	-
Second Avenue	6,981	-	18,005	1,405	562	-
Third Avenue	-	-	-	-	-	-
Lexington Avenue- IRT	2,252	33,425	21,364	111	1,436	-
Park Ave	4,045	-	-	-	-	48,728
Madison Avenue	-	-	-	-	-	-
Fifth Avenue	4,773	-	-	1,810	2,001	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	2,533	29,200	17,778	31	907	-
Eighth Avenue	-	29,509	11,865	-	-	-
Columbus Avenue	4,336	-	-	-	386	-
Amsterdam Avenue	-	-	-	-	-	-
West End Avenue	2,516	-	-	-	230	-
West Side Highway	13,944	-	-	-	-	460
Hudson River Greenway	-	-	-	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	61,992	92,134	69,012	3,357	6,031	49,188
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	33,506	-	-	-
Williamsburg Bridge-BMT	7,798	-	9,404	-	6	-
Rutgers Tunnel-IND	-	-	14,855	-	-	-
Manhattan Bridge-BMT	8,977	29,705	32,236	-	-	-
Brooklyn Bridge	9,457	-	-	-	-	-
Cranberry Tunnel-IND	-	-	30,560	-	-	-
Clark Tunnel-IRT	-	-	18,282	-	-	-
Montague Tunnel-BMT	-	-	6,621	-	-	-
Joralemon Tunnel-IRT	-	-	23,621	-	-	-
Hugh L. Carey Tunnel	10,292	-	-	9,946	-	-
	-	-	-	-	-	-
SECTOR TOTAL	36,524	29,705	169,085	9,946	6	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	25,378	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	40,728	-	-	-
Ed Koch Queensboro Bridge-Tramway	8,458	-	-	-	535	-
Fifty-third St. Tunnel-IND	-	-	26,725	-	-	-
Steinway Tunnel-IRT	-	-	30,789	-	-	-
Queens Midtown Tunnel-IRT	13,335	-	-	5,874	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	60,768
	-	-	-	-	-	-
SECTOR TOTAL	21,793	-	123,620	5,874	535	60,768
NEW JERSEY SECTOR						
Lincoln Tunnel	13,709	-	-	-	-	41,248
Amtrak/N.J. Transit Tunnels	-	-	23,444	-	-	-
Uptown PATH Tunnel	-	-	-	1,186	-	-
Holland Tunnel	8,553	-	27,627	-	-	-
Downtown PATH Tunnel	-	-	-	-	-	-
	-	-	-	61,737	-	-
SECTOR TOTAL	22,262	-	51,071	62,923	-	41,248
	-	-	-	-	-	-
TOTAL, ALL SECTORS	142,571	121,839	412,788	82,100	6,572	151,204

Note: See note 1 on page II-0.
- Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not entering the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

TABLE 14 B (Continued)
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL DAY IN 2023
MORNING PEAK PERIOD (7-10 AM)

LOCATION / TRAVEL MODE	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
	7-10 AM	7-10 AM	7-10 AM	7-10 AM	7-10 AM
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	19,624
York Avenue	-	-	-	509	1,497
First Avenue	-	-	7	7	7
Second Avenue	-	-	1,335	21,307	28,288
Third Avenue	-	-	13	13	13
Lexington Avenue- IRT	-	-	301	56,637	58,889
Park Ave	-	-	174	48,902	52,947
Madison Avenue	-	-	7	7	7
Fifth Avenue	-	-	339	4,150	8,923
Sixth Avenue	-	-	22	22	22
Seventh Avenue	-	-	538	538	538
Broadway	-	-	406	48,322	50,855
Eighth Avenue	-	-	35	41,409	41,409
Columbus Avenue	-	-	428	814	5,150
Amsterdam Avenue	-	-	30	30	30
West End Avenue	-	-	192	422	2,938
West Side Highway	-	-	2	462	14,406
Hudson River Greenway	-	-	1,097	1,097	1,097
All Ferry Points	108	-	-	108	108
	-	-	-	-	-
SECTOR TOTAL	108	-	4,926	224,756	286,748
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	33,506	33,506
Williamsburg Bridge-BMT	-	-	1,274	10,684	18,482
Rutgers Tunnel-IND	-	-	-	14,855	14,855
Manhattan Bridge-BMT	-	-	1,005	62,946	71,923
Brooklyn Bridge	-	-	946	946	10,403
Cranberry Tunnel-IND	-	-	-	30,560	30,560
Clark Tunnel-IRT	-	-	-	18,282	18,282
Montague Tunnel-BMT	-	-	-	6,621	6,621
Joralemon Tunnel-IRT	-	-	-	23,621	23,621
Hugh L. Carey Tunnel	-	-	-	9,946	20,238
All Ferry Points	198	-	-	198	198
SECTOR TOTAL	198	-	3,225	212,165	248,689
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	25,378	25,378
Sixtieth St. Tunnel-BMT/IND	-	-	-	40,728	40,728
Ed Koch Queensboro Bridge-Tramway	-	1,351	1,423	3,309	11,767
Fifty-third St. Tunnel-IND	-	-	-	26,725	26,725
Steinway Tunnel-IRT	-	-	-	30,789	30,789
Queens Midtown Tunnel-IRT	-	-	-	5,874	19,209
Amtrak/LIRR Tunnels	-	-	-	60,768	60,768
All Ferry Points	399	-	-	399	399
SECTOR TOTAL	399	1,351	1,423	193,970	215,763
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	41,248	54,957
Amtrak/N.J. Transit Tunnels	-	-	-	23,444	23,444
Uptown PATH Tunnel	-	-	-	1,186	1,186
Holland Tunnel	-	-	-	27,627	36,180
Downtown PATH Tunnel	-	-	-	-	-
All Ferry Points	7,896	-	-	69,633	69,633
SECTOR TOTAL	7,896	-	-	163,138	185,400
Staten Island Ferry, Bicycle	7,462	-	106	7,568	7,568
TOTAL, ALL SECTORS	16,063	1,351	9,680	801,597	944,168

TABLE 14 C
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL DAY IN 2023
24 HOUR

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN RAIL
	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	114,252	-	-	-	-	-
York Avenue	9,525	-	-	-	1,983	-
First Avenue	-	-	-	-	-	-
Second Avenue	53,878	-	62,830	4,002	3,021	-
Third Avenue	-	-	-	-	-	-
Lexington Avenue- IRT	15,986	108,987	88,834	225	6,515	-
Park Ave	21,998	-	-	-	-	83,259
Madison Avenue	-	-	-	-	-	-
Fifth Avenue	28,277	-	-	3,764	6,696	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	16,239	84,519	76,917	115	3,528	-
Eighth Avenue	-	90,945	44,217	-	-	-
Columbus Avenue	26,747	-	-	-	1,540	-
Amsterdam Avenue	-	-	-	-	-	-
West End Avenue	13,599	-	-	-	847	-
West Side Highway	66,855	-	-	-	-	2,016
Hudson River Greenway	-	-	-	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	367,356	284,451	272,798	8,106	24,130	85,275
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	89,273	-	-	-
Williamsburg Bridge-BMT	51,353	-	42,652	-	76	-
Rutgers Tunnel-IND	-	-	47,737	-	-	-
Manhattan Bridge-BMT	46,358	66,086	82,057	-	-	-
Brooklyn Bridge	56,875	-	-	-	-	-
Cranberry Tunnel-IND	-	-	82,684	-	-	-
Clark Tunnel-IRT	-	-	49,438	-	-	-
Montague Tunnel-BMT	-	-	14,883	-	-	-
Joralemon Tunnel-IRT	-	-	63,427	-	-	-
Hugh L. Carey Tunnel	39,972	-	-	17,582	-	-
	-	-	-	-	-	-
SECTOR TOTAL	194,558	66,086	472,151	17,582	76	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	60,314	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	100,167	-	-	-
Ed Koch Queensboro Bridge-Tramway	54,510	-	-	-	1,944	-
Fifty-third St. Tunnel-IND	-	-	65,849	-	-	-
Steinway Tunnel-IRT	-	-	79,277	-	-	-
Queens Midtown Tunnel-IRT	65,621	-	-	8,334	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	120,272
	-	-	-	-	-	-
SECTOR TOTAL	120,131	-	305,607	8,334	1,944	120,272
NEW JERSEY SECTOR						
Lincoln Tunnel	66,556	-	-	150,504	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	91,023
Uptown PATH Tunnel	-	-	46,198	-	-	-
Holland Tunnel	51,802	-	-	4,106	-	-
Downtown PATH Tunnel	-	-	46,968	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	118,358	-	93,166	154,610	-	91,023
	-	-	-	-	-	-
TOTAL, ALL SECTORS	800,403	350,537	1,143,722	188,632	26,150	296,570

Note: See note 1 on page II-0.
- Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not entering the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

TABLE 14 C (Continued)
WHERE, WHEN AND HOW PEOPLE ENTERED THE HUB ON A FALL DAY IN 2023
24 HOUR

LOCATION / TRAVEL MODE	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	114,252
York Avenue	-	-	-	1,983	11,508
First Avenue	-	-	52	52	52
Second Avenue	-	-	6,048	75,901	129,779
Third Avenue	-	-	99	99	99
Lexington Avenue- IRT	-	-	2,633	207,194	223,180
Park Ave	-	-	1,238	84,497	106,495
Madison Avenue	-	-	58	58	58
Fifth Avenue	-	-	2,290	12,750	41,027
Sixth Avenue	-	-	292	292	292
Seventh Avenue	-	-	2,877	2,877	2,877
Broadway	-	-	2,241	167,320	183,559
Eighth Avenue	-	-	563	135,725	135,725
Columbus Avenue	-	-	4,675	6,215	32,962
Amsterdam Avenue	-	-	297	297	297
West End Avenue	-	-	1,346	2,193	15,792
West Side Highway	-	-	40	2,056	68,911
Hudson River Greenway	-	-	3,360	3,360	3,360
All Ferry Points	1,010	-	-	1,010	1,010
	-	-	-	-	-
SECTOR TOTAL	1,010	-	28,109	703,879	1,071,235
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	89,273	89,273
Williamsburg Bridge-BMT	-	-	4,160	46,888	98,241
Rutgers Tunnel-IND	-	-	-	47,737	47,737
Manhattan Bridge-BMT	-	-	3,043	151,186	197,544
Brooklyn Bridge	-	-	2,309	2,309	59,184
Cranberry Tunnel-IND	-	-	-	82,684	82,684
Clark Tunnel-IRT	-	-	-	49,438	49,438
Montague Tunnel-BMT	-	-	-	14,883	14,883
Joralemon Tunnel-IRT	-	-	-	63,427	63,427
Hugh L. Carey Tunnel	-	-	-	17,582	57,554
All Ferry Points	1,890	-	-	1,890	1,890
SECTOR TOTAL	1,890	-	9,512	567,297	761,855
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	60,314	60,314
Sixtieth St. Tunnel-BMT/IND	-	-	-	100,167	100,167
Ed Koch Queensboro Bridge-Tramway	-	5,152	4,102	11,198	65,708
Fifty-third St. Tunnel-IND	-	-	-	65,849	65,849
Steinway Tunnel-IRT	-	-	-	79,277	79,277
Queens Midtown Tunnel-IRT	-	-	-	8,334	73,955
Amtrak/LIRR Tunnels	-	-	-	120,272	120,272
All Ferry Points	4,487	-	-	4,487	4,487
SECTOR TOTAL	4,487	5,152	4,102	449,898	570,029
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	150,504	217,060
Amtrak/N.J. Transit Tunnels	-	-	-	91,023	91,023
Uptown PATH Tunnel	-	-	-	46,198	46,198
Holland Tunnel	-	-	-	4,106	55,908
Downtown PATH Tunnel	-	-	-	46,968	46,968
All Ferry Points	14,403	-	-	14,403	14,403
SECTOR TOTAL	14,403	-	-	353,202	471,560
Staten Island Ferry, Bicycle	24,319	-	289	24,608	24,608
TOTAL, ALL SECTORS	46,109	5,152	42,012	2,098,884	2,899,287

TABLE 15 A
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL DAY IN 2023
EVENING PEAK HOUR (5-6 PM)

LOCATION / TRAVEL MODE	AUTOS, TAXIS,	SUBWAY	SUBWAY	BUS	BUS	SUBURBAN
	VANS & TRUCKS	EXPRESS	LOCAL	EXPRESS	LOCAL	RAIL
	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	4,503	-	-	-	-	-
York Avenue	1,240	-	-	-	159	-
First Avenue	1,529	-	-	410	298	-
Second Avenue	-	-	6,861	-	-	-
Third Avenue	1,727	-	-	31	597	-
Lexington Avenue- IRT	-	15,608	7,779	-	-	-
Park Ave	1,561	-	-	-	-	19,987
Madison Avenue	1,363	-	-	899	977	-
Fifth Avenue	-	-	-	-	-	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	788	9,892	7,739	24	254	-
Eighth Avenue	1,192	9,994	4,200	-	73	-
Columbus Avenue	-	-	-	-	-	-
Amsterdam Avenue	1,544	-	-	-	165	-
West End Avenue	1,049	-	-	-	191	-
West Side Highway	2,830	-	-	-	-	220
Hudson River Greenway	-	-	-	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	19,326	35,494	26,579	1,364	2,714	20,207
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	12,208	-	-	-
Williamsburg Bridge-BMT	3,452	-	5,970	-	8	-
Rutgers Tunnel-IND	-	-	6,372	-	-	-
Manhattan Bridge-BMT	3,243	10,541	11,925	-	-	-
Brooklyn Bridge	3,676	-	-	-	-	-
Cranberry Tunnel-IND	-	-	11,441	-	-	-
Clark Tunnel-IRT	-	-	6,092	-	-	-
Montague Tunnel-BMT	-	-	3,361	-	-	-
Joralemon Tunnel-IRT	-	-	7,779	-	-	-
Hugh L. Carey Tunnel	2,899	-	-	4,409	-	-
	-	-	-	-	-	-
SECTOR TOTAL	13,270	10,541	65,148	4,409	8	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	11,162	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	13,115	-	-	-
Ed Koch Queensboro Bridge-Tramway	5,265	-	-	1,792	329	-
Fifty-third St. Tunnel-IND	-	-	9,224	-	-	-
Steinway Tunnel-IRT	-	-	11,282	-	-	-
Queens Midtown Tunnel-IRT	4,281	-	-	244	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	22,111
	-	-	-	-	-	-
SECTOR TOTAL	9,546	-	44,783	2,036	329	22,111
NEW JERSEY SECTOR						
Lincoln Tunnel	5,177	-	-	25,867	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	17,171
Uptown PATH Tunnel	-	-	8,275	-	-	-
Holland Tunnel	2,245	-	-	1,248	-	-
Downtown PATH Tunnel	-	-	10,939	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	7,422	-	19,214	27,115	-	17,171
	-	-	-	-	-	-
TOTAL, ALL SECTORS	49,564	46,035	155,724	34,924	3,051	59,489

Note: See note 1 on page II-0.
- Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not entering the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

TABLE 15 A (Continued)
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL DAY IN 2023
EVENING PEAK HOUR (5-6 PM)

LOCATION / TRAVEL MODE	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
	5-6 PM	5-6 PM	5-6 PM	5-6 PM	5-6 PM
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	4,503
York Avenue	-	-	-	159	1,399
First Avenue	-	-	455	1,163	2,692
Second Avenue	-	-	17	6,878	6,878
Third Avenue	-	-	200	828	2,555
Lexington Avenue- IRT	-	-	9	23,396	23,396
Park Ave	-	-	56	20,043	21,604
Madison Avenue	-	-	95	1,971	3,334
Fifth Avenue	-	-	2	2	2
Sixth Avenue	-	-	502	502	502
Seventh Avenue	-	-	22	22	22
Broadway	-	-	7	17,916	18,704
Eighth Avenue	-	-	397	14,664	15,856
Columbus Avenue	-	-	36	36	36
Amsterdam Avenue	-	-	167	332	1,876
West End Avenue	-	-	22	213	1,262
West Side Highway	-	-	18	238	3,068
Hudson River Greenway	-	-	426	426	426
All Ferry Points	75	-	-	75	75
	-	-	-	-	-
SECTOR TOTAL	75	-	2,431	88,864	108,190
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	12,208	12,208
Williamsburg Bridge-BMT	-	-	489	6,467	9,919
Rutgers Tunnel-IND	-	-	-	6,372	6,372
Manhattan Bridge-BMT	-	-	395	22,861	26,104
Brooklyn Bridge	-	-	386	386	4,062
Cranberry Tunnel-IND	-	-	-	11,441	11,441
Clark Tunnel-IRT	-	-	-	6,092	6,092
Montague Tunnel-BMT	-	-	-	3,361	3,361
Joralemon Tunnel-IRT	-	-	-	7,779	7,779
Hugh L. Carey Tunnel	-	-	-	4,409	7,308
All Ferry Points	147	-	-	147	147
SECTOR TOTAL	147	-	1,270	81,523	94,793
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	11,162	11,162
Sixtieth St. Tunnel-BMT/IND	-	-	-	13,115	13,115
Ed Koch Queensboro Bridge-Tramway	-	590	404	3,115	8,380
Fifty-third St. Tunnel-IND	-	-	-	9,224	9,224
Steinway Tunnel-IRT	-	-	-	11,282	11,282
Queens Midtown Tunnel-IRT	-	-	-	244	4,525
Amtrak/LIRR Tunnels	-	-	-	22,111	22,111
All Ferry Points	276	-	-	276	276
SECTOR TOTAL	276	590	404	70,529	80,075
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	25,867	31,044
Amtrak/N.J. Transit Tunnels	-	-	-	17,171	17,171
Uptown PATH Tunnel	-	-	-	8,275	8,275
Holland Tunnel	-	-	-	1,248	3,493
Downtown PATH Tunnel	-	-	-	10,939	10,939
All Ferry Points	2,808	-	-	2,808	2,808
SECTOR TOTAL	2,808	-	-	66,308	73,730
Staten Island Ferry, Bicycle	3,660	-	34	3,694	3,694
TOTAL, ALL SECTORS	6,966	590	4,139	310,918	360,482

TABLE 15 B
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL DAY IN 2023
EVENING PEAK PERIOD (4-7 PM)

LOCATION / TRAVEL MODE	AUTOS, TAXIS,	SUBWAY	SUBWAY	BUS	BUS	SUBURBAN
	VANS & TRUCKS	EXPRESS	LOCAL	EXPRESS	LOCAL	RAIL
	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	12,423	-	-	-	-	-
York Avenue	3,643	-	-	-	416	-
First Avenue	4,566	-	-	1,161	821	-
Second Avenue	-	-	16,054	-	-	-
Third Avenue	5,001	-	-	66	1,654	-
Lexington Avenue- IRT	-	36,866	21,622	-	-	-
Park Ave	4,634	-	-	-	-	43,545
Madison Avenue	4,101	-	-	2,017	2,440	-
Fifth Avenue	-	-	-	-	-	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	2,282	25,061	20,437	59	703	-
Eighth Avenue	3,549	25,400	12,734	-	192	-
Columbus Avenue	-	-	-	-	-	-
Amsterdam Avenue	4,523	-	-	-	491	-
West End Avenue	2,738	-	-	-	514	-
West Side Highway	9,437	-	-	-	-	467
Hudson River Greenway	-	-	-	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	56,897	87,327	70,847	3,303	7,231	44,012
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	31,925	-	-	-
Williamsburg Bridge-BMT	9,946	-	14,988	-	21	-
Rutgers Tunnel-IND	-	-	14,915	-	-	-
Manhattan Bridge-BMT	9,716	27,771	30,367	-	-	-
Brooklyn Bridge	11,056	-	-	-	-	-
Cranberry Tunnel-IND	-	-	29,555	-	-	-
Clark Tunnel-IRT	-	-	16,354	-	-	-
Montague Tunnel-BMT	-	-	7,430	-	-	-
Joralemon Tunnel-IRT	-	-	20,939	-	-	-
Hugh L. Carey Tunnel	9,026	-	-	9,783	-	-
	-	-	-	-	-	-
SECTOR TOTAL	39,744	27,771	166,473	9,783	21	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	26,347	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	33,369	-	-	-
Ed Koch Queensboro Bridge-Tramway	15,363	-	-	3,945	980	-
Fifty-third St. Tunnel-IND	-	-	26,117	-	-	-
Steinway Tunnel-IRT	-	-	28,969	-	-	-
Queens Midtown Tunnel-IRT	12,553	-	-	558	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	55,288
	-	-	-	-	-	-
SECTOR TOTAL	27,916	-	114,802	4,503	980	55,288
NEW JERSEY SECTOR						
Lincoln Tunnel	15,934	-	-	55,942	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	42,211
Uptown PATH Tunnel	-	-	19,320	-	-	-
Holland Tunnel	7,567	-	-	2,275	-	-
Downtown PATH Tunnel	-	-	25,220	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	23,501	-	44,540	58,217	-	42,211
	-	-	-	-	-	-
TOTAL, ALL SECTORS	148,058	115,098	396,662	75,806	8,232	141,511

Note: See note 1 on page II-0.
- Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not entering the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

TABLE 15 B (Continued)
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL DAY IN 2023
EVENING PEAK PERIOD (4-7 PM)

LOCATION / TRAVEL MODE	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
	4-7 PM	4-7 PM	4-7 PM	4-7 PM	4-7 PM
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	12,423
York Avenue	-	-	-	416	4,059
First Avenue	-	-	1,293	3,275	7,841
Second Avenue	-	-	49	16,103	16,103
Third Avenue	-	-	584	2,304	7,305
Lexington Avenue- IRT	-	-	29	58,517	58,517
Park Ave	-	-	183	43,728	48,362
Madison Avenue	-	-	374	4,831	8,932
Fifth Avenue	-	-	5	5	5
Sixth Avenue	-	-	1,388	1,388	1,388
Seventh Avenue	-	-	52	52	52
Broadway	-	-	47	46,307	48,589
Eighth Avenue	-	-	1,202	39,528	43,077
Columbus Avenue	-	-	107	107	107
Amsterdam Avenue	-	-	520	1,011	5,534
West End Avenue	-	-	67	581	3,319
West Side Highway	-	-	60	527	9,964
Hudson River Greenway	-	-	1,177	1,177	1,177
All Ferry Points	167	-	-	167	167
	-	-	-	-	-
SECTOR TOTAL	167	-	7,137	220,024	276,921
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	31,925	31,925
Williamsburg Bridge-BMT	-	-	1,271	16,280	26,226
Rutgers Tunnel-IND	-	-	-	14,915	14,915
Manhattan Bridge-BMT	-	-	1,013	59,151	68,867
Brooklyn Bridge	-	-	951	951	12,007
Cranberry Tunnel-IND	-	-	-	29,555	29,555
Clark Tunnel-IRT	-	-	-	16,354	16,354
Montague Tunnel-BMT	-	-	-	7,430	7,430
Joralemon Tunnel-IRT	-	-	-	20,939	20,939
Hugh L. Carey Tunnel	-	-	-	9,783	18,809
All Ferry Points	391	-	-	391	391
SECTOR TOTAL	391	-	3,235	207,674	247,418
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	26,347	26,347
Sixtieth St. Tunnel-BMT/IND	-	-	-	33,369	33,369
Ed Koch Queensboro Bridge-Tramway	-	1,708	1,125	7,758	23,121
Fifty-third St. Tunnel-IND	-	-	-	26,117	26,117
Steinway Tunnel-IRT	-	-	-	28,969	28,969
Queens Midtown Tunnel-IRT	-	-	-	558	13,111
Amtrak/LIRR Tunnels	-	-	-	55,288	55,288
All Ferry Points	625	-	-	625	625
SECTOR TOTAL	625	1,708	1,125	179,031	206,947
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	55,942	71,876
Amtrak/N.J. Transit Tunnels	-	-	-	42,211	42,211
Uptown PATH Tunnel	-	-	-	19,320	19,320
Holland Tunnel	-	-	-	2,275	9,842
Downtown PATH Tunnel	-	-	-	25,220	25,220
All Ferry Points	7,022	-	-	7,022	7,022
SECTOR TOTAL	7,022	-	-	151,990	175,491
Staten Island Ferry, Bicycle	9,387	-	95	9,482	9,482
TOTAL, ALL SECTORS	17,592	1,708	11,592	768,201	916,259

TABLE 15 C
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL DAY IN 2023
24 HOUR

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS	SUBWAY EXPRESS	SUBWAY LOCAL	BUS EXPRESS	BUS LOCAL	SUBURBAN RAIL
	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
60TH STREET SECTOR						
Franklin D. Roosevelt Drive	84,160	-	-	-	-	-
York Avenue	21,730	-	-	-	1,763	-
First Avenue	29,117	-	-	7,102	3,351	-
Second Avenue	-	-	58,630	-	-	-
Third Avenue	26,889	-	-	172	6,934	-
Lexington Avenue- IRT	-	108,193	90,952	-	-	-
Park Ave	23,175	-	-	-	-	84,603
Madison Avenue	22,055	-	-	4,155	7,087	-
Fifth Avenue	-	-	-	-	-	-
Sixth Avenue	-	-	-	-	-	-
Seventh Avenue	-	-	-	-	-	-
Broadway	11,031	82,493	77,846	169	2,477	-
Eighth Avenue	16,436	86,786	42,095	-	635	-
Columbus Avenue	-	-	-	-	-	-
Amsterdam Avenue	21,194	-	-	-	1,880	-
West End Avenue	9,572	-	-	-	1,896	-
West Side Highway	62,023	-	-	-	-	1,996
Hudson River Greenway	-	-	-	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	327,382	277,472	269,523	11,598	26,023	86,599
BROOKLYN SECTOR						
Fourteenth St. Tunnel-BMT	-	-	88,518	-	-	-
Williamsburg Bridge-BMT	59,465	-	38,280	-	113	-
Rutgers Tunnel-IND	-	-	42,817	-	-	-
Manhattan Bridge-BMT	50,628	72,685	77,699	-	-	-
Brooklyn Bridge	79,867	-	-	-	-	-
Cranberry Tunnel-IND	-	-	82,349	-	-	-
Clark Tunnel-IRT	-	-	42,726	-	-	-
Montague Tunnel-BMT	-	-	17,270	-	-	-
Joralemon Tunnel-IRT	-	-	56,452	-	-	-
Hugh L. Carey Tunnel	36,157	-	-	17,102	-	-
	-	-	-	-	-	-
SECTOR TOTAL	226,117	72,685	446,111	17,102	113	-
QUEENS SECTOR						
Sixty-third St. Tunnel	-	-	62,754	-	-	-
Sixtieth St. Tunnel-BMT/IND	-	-	85,492	-	-	-
Ed Koch Queensboro Bridge-Tramway	82,066	-	-	5,416	3,136	-
Fifty-third St. Tunnel-IND	-	-	63,681	-	-	-
Steinway Tunnel-IRT	-	-	83,985	-	-	-
Queens Midtown Tunnel-IRT	65,211	-	-	784	-	-
Amtrak/LIRR Tunnels	-	-	-	-	-	112,434
	-	-	-	-	-	-
SECTOR TOTAL	147,277	-	295,912	6,200	3,136	112,434
NEW JERSEY SECTOR						
Lincoln Tunnel	79,491	-	-	139,439	-	-
Amtrak/N.J. Transit Tunnels	-	-	-	-	-	86,772
Uptown PATH Tunnel	-	-	43,029	-	-	-
Holland Tunnel	44,374	-	-	6,711	-	-
Downtown PATH Tunnel	-	-	48,285	-	-	-
	-	-	-	-	-	-
SECTOR TOTAL	123,865	-	91,314	146,150	-	86,772
	-	-	-	-	-	-
TOTAL, ALL SECTORS	824,641	350,157	1,102,860	181,050	29,272	285,805

Note: See note 1 on page II-0.
- Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not entering the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

TABLE 15 C (Continued)
WHERE, WHEN AND HOW PEOPLE LEFT THE HUB ON A FALL DAY IN 2023
24 HOUR

LOCATION / TRAVEL MODE	FERRY	TRAMWAY	BICYCLE	TOTAL PERSONS PUBLIC TRANSPORTATION & BICYCLE	TOTAL PERSONS (ALL MODES)
	24 HOUR	24 HOUR	24 HOUR	24 HOUR	24 HOUR
60TH STREET SECTOR					
Franklin D. Roosevelt Drive	-	-	-	-	84,160
York Avenue	-	-	-	1,763	23,493
First Avenue	-	-	4,588	15,041	44,158
Second Avenue	-	-	177	58,807	58,807
Third Avenue	-	-	2,724	9,830	36,719
Lexington Avenue- IRT	-	-	190	199,335	199,335
Park Ave	-	-	935	85,538	108,713
Madison Avenue	-	-	1,798	13,040	35,095
Fifth Avenue	-	-	46	46	46
Sixth Avenue	-	-	5,366	5,366	5,366
Seventh Avenue	-	-	185	185	185
Broadway	-	-	251	163,236	174,267
Eighth Avenue	-	-	4,725	134,241	150,677
Columbus Avenue	-	-	507	507	507
Amsterdam Avenue	-	-	2,128	4,008	25,202
West End Avenue	-	-	275	2,171	11,743
West Side Highway	-	-	179	2,175	64,198
Hudson River Greenway	-	-	3,448	3,448	3,448
All Ferry Points	1,217	-	-	1,217	1,217
	-	-	-	-	-
SECTOR TOTAL	1,217	-	27,522	699,954	1,027,336
BROOKLYN SECTOR					
Fourteenth St. Tunnel-BMT	-	-	-	88,518	88,518
Williamsburg Bridge-BMT	-	-	4,104	42,497	101,962
Rutgers Tunnel-IND	-	-	-	42,817	42,817
Manhattan Bridge-BMT	-	-	3,302	153,686	204,314
Brooklyn Bridge	-	-	2,538	2,538	82,405
Cranberry Tunnel-IND	-	-	-	82,349	82,349
Clark Tunnel-IRT	-	-	-	42,726	42,726
Montague Tunnel-BMT	-	-	-	17,270	17,270
Joralemon Tunnel-IRT	-	-	-	56,452	56,452
Hugh L. Carey Tunnel	-	-	-	17,102	53,259
All Ferry Points	2,232	-	-	2,232	2,232
SECTOR TOTAL	2,232	-	9,944	548,187	774,304
QUEENS SECTOR					
Sixty-third St. Tunnel	-	-	-	62,754	62,754
Sixtieth St. Tunnel-BMT/IND	-	-	-	85,492	85,492
Ed Koch Queensboro Bridge-Tramway	-	5,449	3,669	17,670	99,736
Fifty-third St. Tunnel-IND	-	-	-	63,681	63,681
Steinway Tunnel-IRT	-	-	-	83,985	83,985
Queens Midtown Tunnel-IRT	-	-	-	784	65,995
Amtrak/LIRR Tunnels	-	-	-	112,434	112,434
All Ferry Points	4,517	-	-	4,517	4,517
SECTOR TOTAL	4,517	5,449	3,669	431,317	578,594
NEW JERSEY SECTOR					
Lincoln Tunnel	-	-	-	139,439	218,930
Amtrak/N.J. Transit Tunnels	-	-	-	86,772	86,772
Uptown PATH Tunnel	-	-	-	43,029	43,029
Holland Tunnel	-	-	-	6,711	51,085
Downtown PATH Tunnel	-	-	-	48,285	48,285
All Ferry Points	13,284	-	-	13,284	13,284
SECTOR TOTAL	13,284	-	-	337,520	461,385
Staten Island Ferry, Bicycle	24,631	-	293	24,924	24,924
TOTAL, ALL SECTORS	45,881	5,449	41,428	2,041,902	2,866,543

TABLE 16
WHERE AND WHEN MOTOR VEHICLES ENTERED THE HUB ON A FALL BUSINESS DAY IN 2023

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS			BUS			TOTAL MOTOR VEHICLES		
	8-9 AM	7-10AM	24 HOURS	8-9 AM	7-10AM	24 HOURS	8-9 AM	7-10AM	24 HOURS
60TH STREET SECTOR									
FDR DRIVE	4,989	14,191	83,883	-	-	-	4,989	14,191	83,883
YORK AVENUE	284	887	8,476	8	22	103	292	909	8,579
SECOND AVENUE	1,734	5,183	38,653	22	68	300	1,756	5,251	38,953
ED KOCH QUEENSBORO BRIDGE RAMP	-	-	-	-	-	-	-	-	-
LEXINGTON AVENUE	613	1,802	13,551	25	66	372	638	1,868	13,923
PARK AVENUE	1,122	3,015	16,065	-	-	-	1,122	3,015	16,065
FIFTH AVENUE	1,009	2,846	18,260	82	205	717	1,091	3,051	18,977
CENTRAL PARK DRIVE AND 7TH AVENUE *	-	-	-	-	-	-	-	-	-
BROADWAY	696	1,836	12,010	29	75	427	725	1,911	12,437
COLUMBUS AVENUE	1,209	3,300	20,256	6	18	93	1,215	3,318	20,349
WEST END AVENUE	668	1,722	9,461	5	14	80	673	1,736	9,541
WEST SIDE HIGHWAY	4,282	12,858	59,250	-	-	-	4,282	12,858	59,250
SECTOR TOTAL	16,606	47,640	279,865	177	468	2,092	16,783	48,108	281,957
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	2,177	6,300	41,534	2	6	29	2,179	6,306	41,563
MANHATTAN BRIDGE	2,439	7,271	37,388	-	-	-	2,439	7,271	37,388
BROOKLYN BRIDGE	2,736	8,203	49,681	-	-	-	2,736	8,203	49,681
HUGH L. CAREY TUNNEL	3,058	9,322	35,313	149	363	677	3,207	9,685	35,990
SECTOR TOTAL	10,410	31,096	163,916	151	369	706	10,561	31,465	164,622
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	3,447	10,343	48,760	107	274	421	3,554	10,617	49,181
ED KOCH QUEENSBORO BRIDGE	2,503	7,279	45,751	11	37	219	2,514	7,316	45,970
SECTOR TOTAL	5,950	17,622	94,511	118	311	640	6,068	17,933	95,151
NEW JERSEY SECTOR									
HOLLAND TUNNEL	2,526	7,227	42,460	19	45	207	2,545	7,272	42,667
LINCOLN TUNNEL	3,463	10,283	49,137	626	1,653	5,551	4,089	11,936	54,688
SECTOR TOTAL	5,989	17,510	91,597	645	1,698	5,758	6,634	19,208	97,355
TOTAL, ALL SECTORS	38,955	113,868	629,889	1,091	2,846	9,196	40,046	116,714	639,085

Notes:

- See note 1 on page II-0.
- Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not entering the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.
- Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors, belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
- Buses crossing NJ Sector were counted at the toll facilities which include all the buses.
- New Jersey bus occupancy counts were determined based on Port Authority of NY&NJ bus traffic counts and on the occupancy rates from PANY&NJ Continuous Bus Survey.
- * Central Park South and 7th Avenue, open only to authorized vehicles and not general traffic.

TABLE 17
WHERE AND WHEN MOTOR VEHICLES LEFT THE HUB ON A FALL BUSINESS DAY IN 2023

LOCATION / TRAVEL MODE	AUTOS, TAXIS, VANS & TRUCKS			BUS			TOTAL MOTOR VEHICLES		
	5-6 PM	4-7 PM	24 HOUR	5-6 PM	4-7 PM	24 HOUR	5-6 PM	4-7 PM	24 HOUR
60TH STREET SECTOR									
FDR DRIVE	3,461	9,690	68,431	-	-	-	3,461	9,690	68,431
YORK AVENUE	828	2,454	14,892	7	20	103	835	2,474	14,995
FIRST AVENUE	1,171	3,550	23,491	18	54	302	1,189	3,604	23,793
ED KOCH QUEENSBORO BRIDGE RAMP	-	-	-	-	-	-	-	-	-
THIRD AVENUE	1,041	3,092	18,206	25	71	378	1,066	3,163	18,584
PARK AVENUE	974	2,936	15,234	-	-	-	974	2,936	15,234
MADISON AVENUE	837	2,515	15,087	92	225	723	929	2,740	15,810
CENTRAL PARK DRIVE FROM 6TH AVENUE *	-	-	-	-	-	-	-	-	-
CENTRAL PARK WEST	647	1,895	9,270	9	27	123	656	1,922	9,393
BROADWAY	620	1,762	8,373	21	60	316	641	1,822	8,689
AMSTERDAM AVENUE	1,077	3,150	15,966	5	16	87	1,082	3,166	16,053
WEST END AVENUE	728	1,879	6,653	6	18	85	734	1,897	6,738
WEST SIDE HIGHWAY	2,394	7,996	53,281	-	-	-	2,394	7,996	53,281
SECTOR TOTAL	13,778	40,919	248,884	183	491	2,117	13,961	41,410	251,001
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	2,621	7,625	45,707	2	6	28	2,623	7,631	45,735
MANHATTAN BRIDGE	2,226	6,529	34,163	-	-	-	2,226	6,529	34,163
BROOKLYN BRIDGE	2,705	8,158	57,554	-	-	-	2,705	8,158	57,554
HUGH L. CAREY TUNNEL	2,463	7,746	31,024	150	364	684	2,613	8,110	31,708
SECTOR TOTAL	10,015	30,058	168,448	152	370	712	10,167	30,428	169,160
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	2,764	7,997	42,064	8	21	34	2,772	8,018	42,098
ED KOCH QUEENSBORO BRIDGE	4,380	12,917	66,168	102	250	564	4,482	13,167	66,732
SECTOR TOTAL	7,144	20,914	108,232	110	271	598	7,254	21,185	108,830
NEW JERSEY SECTOR									
HOLLAND TUNNEL	1,896	6,340	37,517	42	73	331	1,938	6,413	37,848
LINCOLN TUNNEL	3,838	11,705	56,185	623	1,394	5,422	4,461	13,099	61,607
SECTOR TOTAL	5,734	18,045	93,702	665	1,467	5,753	6,399	19,512	99,455
TOTAL, ALL SECTORS	36,671	109,936	619,266	1,110	2,599	9,180	37,781	112,535	628,446

- Notes:
- See note 1 on page II-0.
 - Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not entering the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.
 - Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors, belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
 - Buses crossing NJ Sector were counted at the toll facilities which include all the buses.
 - New Jersey bus occupancy counts were determined based on Port Authority of NY&NJ bus traffic counts and on the occupancy rates from PANY&NJ Continuous Bus Survey.
 - * Center Drive / East Drive, between the 6th Avenue entrance on Park South and East 72nd Street, open only to authorized vehicles and not general traffic.

TABLE 18
WHERE AND WHEN BUS PASSENGERS ENTERED THE HUB
ON A FALL BUSINESS DAY IN 2023

LOCATION / TRAVEL MODE	LOCAL BUS PASSENGERS			EXPRESS BUS PASSENGERS			TOTAL BUS PASSENGERS		
	8-9 AM	7-10AM	24 HOURS	8-9 AM	7-10AM	24 HOURS	8-9 AM	7-10AM	24 HOURS
60TH STREET SECTOR									
FDR DRIVE	-	-	-	-	-	-	-	-	-
YORK AVENUE	223	509	1,983	-	-	-	223	509	1,983
SECOND AVENUE	259	562	3,021	513	1,405	4,002	772	1,967	7,023
LEXINGTON AVENUE	651	1,436	6,515	45	111	225	696	1,547	6,740
FIFTH AVENUE	932	2,001	6,696	684	1,810	3,764	1,616	3,811	10,460
BROADWAY	395	907	3,528	12	31	115	407	938	3,643
COLUMBUS AVENUE	138	386	1,540	-	-	-	138	386	1,540
WEST END AVENUE	97	230	847	-	-	-	97	230	847
SECTOR TOTAL	2,695	6,031	24,130	1,254	3,357	8,106	3,949	9,388	32,236
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	2	6	76	-	-	-	2	6	76
MANHATTAN BRIDGE	-	-	-	-	-	-	-	-	-
HUGH L. CAREY TUNNEL	-	-	-	3,703	9,946	17,582	3,703	9,946	17,582
SECTOR TOTAL	2	6	76	3,703	9,946	17,582	3,705	9,952	17,658
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	-	-	-	2,038	5,874	8,334	2,038	5,874	8,334
ED KOCH QUEENSBORO BRIDGE	153	535	1,944	-	-	-	153	535	1,944
SECTOR TOTAL	153	535	1,944	2,038	5,874	8,334	2,191	6,409	10,278
NEW JERSEY SECTOR									
HOLLAND TUNNEL	-	-	-	516	1,186	4,106	516	1,186	4,106
LINCOLN TUNNEL	-	-	-	25,019	61,737	150,504	25,019	61,737	150,504
SECTOR TOTAL	-	-	-	25,535	62,923	154,610	25,535	62,923	154,610
TOTAL, ALL SECTORS	2,850	6,572	26,150	32,530	82,100	188,632	35,380	88,672	214,782

- Notes:
- See note 1 on page II-0.
 - Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors, belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
 - Buses crossing NJ Sector were counted at the toll facilities which include all the buses.
 - New Jersey bus occupancy counts were determined based on Port Authority of NY&NJ bus traffic counts and on the occupancy rates from PANY&NJ Continuous Bus Survey.

TABLE 19
WHERE AND WHEN BUS PASSENGERS LEFT THE HUB
ON A FALL BUSINESS DAY IN 2023

LOCATION / TRAVEL MODE	LOCAL BUS PASSENGERS			EXPRESS BUS PASSENGERS			TOTAL BUS PASSENGERS		
	5-6 PM	4-7 PM	24 HOURS	5-6 PM	4-7 PM	24 HOURS	5-6 PM	4-7 PM	24 HOURS
60TH STREET SECTOR									
FDR DRIVE	-	-	-	-	-	-	-	-	-
YORK AVENUE	159	416	1,763	-	-	-	159	416	1,763
FIRST AVENUE	298	821	3,351	410	1,161	7,102	708	1,982	10,453
THIRD AVENUE	597	1,654	6,934	31	66	172	628	1,720	7,106
MADISON AVENUE	977	2,440	7,087	899	2,017	4,155	1,876	4,457	11,242
CENTRAL PARK WEST	73	192	635	-	-	-	73	192	635
BROADWAY	254	703	2,477	24	59	169	278	762	2,646
AMSTERDAM AVENUE	165	491	1,880	-	-	-	165	491	1,880
WEST END AVENUE	191	514	1,896	-	-	-	191	514	1,896
SECTOR TOTAL	2,714	7,231	26,023	1,364	3,303	11,598	4,078	10,534	37,621
BROOKLYN SECTOR									
WILLIAMSBURG BRIDGE	8	21	113	-	-	-	8	21	113
MANHATTAN BRIDGE	-	-	-	-	-	-	-	-	-
HUGH L. CAREY TUNNEL	-	-	-	4,409	9,783	17,102	4,409	9,783	17,102
SECTOR TOTAL	8	21	113	4,409	9,783	17,102	4,417	9,804	17,215
QUEENS SECTOR									
QUEENS MIDTOWN TUNNEL	-	-	-	244	558	784	244	558	784
ED KOCH QUEENSBORO BRIDGE	329	980	3,136	1,792	3,945	5,416	2,121	4,925	8,552
SECTOR TOTAL	329	980	3,136	2,036	4,503	6,200	2,365	5,483	9,336
NEW JERSEY SECTOR									
HOLLAND TUNNEL	-	-	-	1,248	2,275	6,711	1,248	2,275	6,711
LINCOLN TUNNEL	-	-	-	25,867	55,942	139,439	25,867	55,942	139,439
SECTOR TOTAL	-	-	-	27,115	58,217	146,150	27,115	58,217	146,150
TOTAL, ALL SECTORS	3,051	8,232	29,272	34,924	75,806	181,050	37,975	84,038	210,322

Notes:

- See note 1 on page II-0.
- Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors, belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
- Buses crossing NJ Sector were counted at the toll facilities which include all the buses.
- New Jersey bus occupancy counts were determined based on Port Authority of NY&NJ bus traffic counts and on the occupancy rates from PANY&NJ Continuous Bus Survey.

TABLE 20
LEVEL OF COMFORT ⁽¹⁾ AND FREQUENCY OF SERVICE ⁽²⁾
FOR PUBLIC TRANSPORTATION VEHICLES ENTERING THE HUB ON A FALL BUSINESS DAY IN 2022 AND 2023
DURING THE 8AM-9AM PEAK HOUR

	SERVICE OPERATION				FLOOR SPACE		NUMBER OF PSGR		PASSENGERS		AVG FLOOR SPACE (1)		AVERAGE HEADWAY (2)	
	TRAINS, ETC.		RAILCARS, BUSES		SQ. FT.		PASSENGERS		PER RAILCAR, BUS		PER PSGR SQ. FT.		MINUTES	
	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
60TH STREET SECTOR														
SECOND AVE LOCAL (3)	9	10	72	80	31,680	35,200	7,054	8,200	98	103	4.5	4.3	6.7	6.0
LEXINGTON AVE EXPRESS	21	24	210	240	92,400	105,600	10,672	12,559	51	52	8.7	8.4	2.9	2.5
LEXINGTON AVE LOCAL	18	19	180	190	79,200	83,600	9,267	8,268	51	44	8.5	10.1	3.3	3.2
EIGHTH AVE EXPRESS	17	17	136	136	102,000	102,000	12,371	11,291	91	83	8.2	9.0	3.5	3.5
EIGHTH AVE LOCAL	12	12	96	96	64,992	64,992	5,358	5,370	56	56	12.1	12.1	5.0	5.0
BROADWAY/7TH AVE EXPRESS	21	22	210	220	92,400	96,800	13,446	12,909	64	59	6.9	7.5	2.9	2.7
BROADWAY/7TH AVE LOCAL	19	17	190	170	83,600	74,800	10,461	6,813	55	40	8.0	11.0	3.2	3.5
MTA/AMTRAK TUN.	47	46	326	335	196,252	201,670	19,473	22,782	60	68	10.1	8.9	1.3	1.3
BUSES	-	-	166	177	53,980	57,800	3,377	3,949	20	22	16.0	14.6	-	-
SECTOR AVERAGE	164	167	1,586	1,644	796,504	822,462	91,479	92,141	61	58	8.7	8.9	3.6	3.5
BROOKLYN SECTOR														
14TH ST. TUNNEL	19	19	152	152	91,504	91,504	15,062	13,495	99	89	6.1	6.8	3.2	3.2
WILLIAMSBURG BRIDGE	20	11	160	88	96,320	52,976	9,264	3,412	58	39	10.4	15.5	3.0	5.5
RUTGERS ST. TUNNEL	12	10	120	100	85,560	71,300	6,491	6,055	54	61	13.2	11.8	5.0	6.0
MANHATTAN BRIDGE	38	35	304	280	202,768	186,760	27,403	24,558	90	88	7.4	7.6	1.6	1.7
CRANBERRY ST. TUNNEL	23	18	184	144	127,696	99,936	15,013	12,610	82	88	8.5	7.9	2.6	3.3
CLARK ST. TUNNEL	15	18	150	180	66,000	79,200	7,829	7,038	52	39	8.4	11.3	4.0	3.3
MONTAGUE ST. TUNNEL	10	9	100	90	60,200	54,180	3,203	2,554	32	28	18.8	21.2	6.0	6.7
JORALEMON ST. TUNNEL	22	22	220	220	96,800	96,800	9,137	9,553	42	43	10.6	10.1	2.7	2.7
BUSES	-	-	150	151	48,460	48,800	3,250	3,705	22	25	14.9	13.2	-	-
SECTOR AVERAGE	159	142	1,540	1,405	875,308	781,456	96,652	82,980	59	55	9.1	9.4	3.5	4.0
QUEENS SECTOR														
60TH STREET TUNNEL	26	25	228	220	137,256	132,440	18,556	14,872	81	68	7.4	8.9	2.3	2.4
53RD STREET TUNNEL	18	11	166	110	99,932	66,220	14,582	9,401	88	85	6.9	7.0	3.3	5.5
STEINWAY TUNNEL	29	27	319	297	140,360	130,680	15,678	12,242	49	41	9.0	10.7	2.1	2.2
63RD STREET TUNNEL	11	10	110	100	78,430	71,300	7,965	9,959	72	100	9.8	7.2	5.5	6.0
LIRR/AMTRAK TUNNELS	38	46	347	399	208,894	240,198	25,223	27,598	73	69	8.3	8.7	1.6	1.3
BUSES	-	-	117	118	39,480	39,820	1,828	2,191	16	19	21.6	18.2	-	-
SECTOR AVERAGE	122	119	1,287	1,244	704,352	680,658	83,832	76,263	63	64	8.4	8.9	2.9	3.5
NEW JERSEY SECTOR														
PATH DOWNTOWN TUNNEL	22	20	166	155	61,088	57,040	11,068	13,234	67	85	5.5	4.3	2.7	3.0
PATH UPTOWN TUNNEL	21	20	147	140	54,096	51,520	9,542	10,686	65	76	5.7	4.8	2.9	3.0
N.J. TRANSIT/AMTRAK TUNNEL	21	22	191	192	114,982	115,584	10,095	18,663	53	97	11.4	6.2	2.9	2.7
BUSES	-	-	584	645	186,880	206,400	23,886	25,535	41	40	7.8	8.1	-	-
SECTOR AVERAGE	64	62	1,088	1,132	417,046	430,544	54,591	68,118	56	75	7.6	6.3	2.8	2.9
STATEN ISLAND FERRY (4)	4	4	4	4	80,000	80,000	2,647	2,904	662	726	30.2	27.5	15.0	15.0
ROOSEVELT ISLAND TRAMWAY (4)	8	8	8	8	2,075	2,075	301	571	38	71	6.9	3.6	7.5	7.5
TOTAL/AVERAGE, ALL SECTORS	521	502	5,513	5,437	2,875,285	2,797,195	329,502	322,977	60	59	8.7	8.7	3.2	3.5

Notes: - See note 1 on page II-0.

(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.

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

(4) Staten Island Ferry and the Roosevelt island Tram run a fixed number of times and therefore they remain constant each year and are added to each public transportation category.

TABLE 21A
TOTAL PERSONS ENTERING AND LEAVING THE HUB
ON A FALL BUSINESS DAY IN 2021, 2022, AND 2023

HOURS	2021			2022			2023		
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
12:00am	19,517	38,681	58,198	21,676	43,801	65,477	22,672	50,004	72,676
1:00am	11,092	23,079	34,171	12,438	23,692	36,130	13,433	24,351	37,784
2:00am	8,522	13,098	21,620	9,327	12,816	22,143	10,082	14,246	24,328
3:00am	7,598	9,488	17,086	9,580	10,019	19,599	11,156	11,030	22,186
4:00am	16,338	12,515	28,853	20,081	13,337	33,418	25,110	15,418	40,528
5:00am	69,043	30,573	99,616	74,440	30,721	105,161	84,775	38,066	122,841
6:00am	156,187	70,655	226,842	174,665	72,375	247,040	179,967	80,366	260,333
7:00am	245,333	110,752	356,085	289,984	112,242	402,226	304,698	118,068	422,766
8:00am	288,520	114,654	403,174	385,538	123,581	509,119	380,082	122,300	502,382
9:00am	180,922	89,619	270,541	244,601	98,593	343,194	259,388	102,856	362,244
10:00am	121,195	76,763	197,958	149,615	82,498	232,113	159,209	87,439	246,648
11:00am	103,621	77,161	180,782	123,937	82,434	206,371	125,781	87,463	213,244
12:00pm	96,976	85,848	182,824	112,941	94,219	207,160	117,424	95,473	212,897
1:00pm	102,571	97,394	199,965	115,180	107,045	222,225	119,139	112,272	231,411
2:00pm	117,130	120,279	237,409	121,335	133,316	254,651	130,843	145,710	276,553
3:00pm	128,761	175,279	304,040	141,144	192,714	333,858	144,965	192,677	337,642
4:00pm	135,097	213,067	348,164	149,822	252,648	402,470	159,483	270,380	429,863
5:00pm	141,404	256,771	398,175	158,791	334,040	492,831	169,146	360,482	529,628
6:00pm	123,711	220,125	343,836	135,179	276,436	411,615	142,582	285,397	427,979
7:00pm	90,602	152,505	243,107	96,283	186,888	283,171	99,283	189,933	289,216
8:00pm	63,676	117,782	181,458	68,859	137,839	206,698	77,309	149,014	226,323
9:00pm	53,246	93,769	147,015	61,429	111,275	172,704	63,865	122,822	186,687
10:00pm	49,852	86,861	136,713	60,953	107,110	168,063	59,333	112,108	171,441
11:00pm	34,503	68,817	103,320	38,587	80,983	119,570	39,562	78,668	118,230
TOTAL	2,365,417	2,355,535	4,720,952	2,776,385	2,720,622	5,497,007	2,899,287	2,866,543	5,765,830

Note: See note 1 on page II-0.

TABLE 21B
ACCUMULATION OF PERSONS ENTERING AND LEAVING THE HUB
AT PEAK HOUR, 1993-2023

YEAR	TOTAL ACCUMULATION	AT
1993	1,250,000	1:00pm
1994	1,273,000	1:00pm
1995	1,277,000	1:00pm
1996	1,295,000	1:00pm
1997	1,303,000	1:00pm
1998	1,296,000	1:00pm
2000	1,464,000	1:00pm
2001	1,253,800	1:00pm
2002	1,265,360	1:00pm
2003	1,273,519	1:00pm
2004	1,228,259	2:00pm
2005	1,197,459	2:00pm
2006	1,244,863	2:00pm
2007	1,381,852	1:00pm
2008	1,334,179	1:00pm
2009	1,209,458	2:00pm
2010	1,231,071	2:00pm
2011	1,230,220	2:00pm
2012	1,316,844	2:00pm
2013	1,342,153	2:00pm
2014	1,365,561	2:00pm
2015	1,392,132	2:00pm
2016	1,381,111	2:00pm
2017	1,378,724	2:00pm
2018	1,378,366	2:00pm
2019	1,382,597	2:00pm
2020	384,302	2:00pm
2021	610,279	2:00pm
2022	848,495	2:00pm
2023	881,000	2:00pm

Note: See notes on page II-0.

TABLE 22A
TOTAL PUBLIC TRANSIT PASSENGERS ENTERING AND LEAVING
THE HUB ON A FALL BUSINESS DAY IN 2021, 2022, AND 2023

HOURS	2021			2022			2023		
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
12:00am	6,505	19,254	25,759	5,855	21,752	27,607	7,088	24,217	31,305
1:00am	3,389	11,148	14,537	2,869	10,581	13,450	3,427	9,352	12,779
2:00am	2,854	4,869	7,723	2,220	4,190	6,410	2,924	4,176	7,100
3:00am	1,975	2,220	4,195	2,206	2,486	4,692	3,755	2,782	6,537
4:00am	6,821	2,482	9,303	7,793	2,846	10,639	13,029	4,646	17,675
5:00am	41,956	11,724	53,680	45,448	11,689	57,137	55,650	20,013	75,663
6:00am	115,262	39,803	155,065	130,040	41,259	171,299	135,766	50,443	186,209
7:00am	196,655	71,721	268,376	239,034	75,277	314,311	254,848	80,753	335,601
8:00am	236,670	74,462	311,132	332,861	86,492	419,353	326,886	84,861	411,747
9:00am	132,664	51,020	183,684	194,992	63,959	258,951	210,289	67,934	278,223
10:00am	78,590	38,226	116,816	103,253	47,081	150,334	114,346	51,432	165,778
11:00am	62,642	37,730	100,372	81,279	45,031	126,310	84,176	49,056	133,232
12:00pm	56,748	44,930	101,678	70,290	53,610	123,900	75,728	54,980	130,708
1:00pm	61,334	53,747	115,081	73,788	63,607	137,395	78,216	68,876	147,092
2:00pm	74,342	71,115	145,457	78,698	86,565	165,263	88,815	97,979	186,794
3:00pm	86,486	123,046	209,532	98,147	141,497	239,644	102,110	142,128	244,238
4:00pm	92,888	160,413	253,301	106,531	199,183	305,714	115,833	217,123	332,956
5:00pm	98,533	203,393	301,926	113,884	280,488	394,372	122,858	306,813	429,671
6:00pm	81,165	168,046	249,211	90,229	224,992	315,221	97,250	232,768	330,018
7:00pm	51,235	103,611	154,846	54,994	137,098	192,092	56,677	138,521	195,198
8:00pm	29,499	74,324	103,823	33,041	92,462	125,503	38,964	101,766	140,730
9:00pm	22,129	53,289	75,418	27,048	68,677	95,725	28,665	78,528	107,193
10:00pm	21,507	48,876	70,383	28,017	66,470	94,487	26,446	68,985	95,431
11:00pm	11,580	35,742	47,322	13,044	45,217	58,261	13,415	42,635	56,050
TOTAL	1,573,429	1,505,191	3,078,620	1,935,561	1,872,509	3,808,070	2,057,161	2,000,767	4,057,928

Note: See note 1 on page II-0.

TABLE 22B
ACCUMULATION OF PASSENGERS ENTERING AND LEAVING THE HUB
BY PUBLIC TRANSPORTATION, AT PEAK HOUR, 1993-2023

YEAR	TOTAL ACCUMULATION	AT
1993	1,107,000	1:00pm
1994	1,124,000	1:00pm
1995	1,134,000	1:00pm
1996	1,147,000	1:00pm
1997	1,214,000	1:00pm
1998	1,106,000	1:00pm
2000	1,301,700	1:00pm
2001	1,143,565	1:00pm
2002	1,165,742	1:00pm
2003	1,131,893	1:00pm
2004	1,095,947	2:00pm
2005	1,084,278	2:00pm
2006	1,127,823	2:00pm
2007	1,263,788	1:00pm
2008	1,227,692	2:00pm
2009	1,113,513	2:00pm
2010	1,129,993	2:00pm
2011	1,163,499	2:00pm
2012	1,203,234	2:00pm
2013	1,230,358	2:00pm
2014	1,260,596	2:00pm
2015	1,284,399	2:00pm
2016	1,279,601	2:00pm
2017	1,280,676	2:00pm
2018	1,286,504	2:00pm
2019	1,272,903	2:00pm
2020	291,275	2:00pm
2021	532,132	3:00pm
2022	758,626	2:00pm
2023	790,669	2:00pm

Note: See notes on page II-0.

TABLE 23A
TOTAL PRIVATE MOTOR VEHICLES ENTERING AND LEAVING THE HUB
ON A FALL BUSINESS DAY IN YEARS 2021, 2022, AND 2023

HOURS	2021			2022			2023		
	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
12:00am	10,088	14,476	24,564	12,356	16,560	28,916	12,133	19,185	31,318
1:00am	5,988	8,904	14,892	7,477	9,913	17,390	7,817	11,155	18,972
2:00am	4,423	6,153	10,576	5,572	6,510	12,082	5,598	7,470	13,068
3:00am	4,361	5,425	9,786	5,816	5,678	11,494	5,787	6,127	11,914
4:00am	7,362	7,494	14,856	9,718	7,902	17,620	9,473	7,992	17,465
5:00am	21,159	14,092	35,251	23,724	14,545	38,269	22,787	13,521	36,308
6:00am	33,049	22,780	55,829	36,118	23,083	59,201	35,558	22,110	57,668
7:00am	37,875	28,628	66,503	38,852	27,073	65,925	38,584	27,231	65,815
8:00am	38,587	29,191	67,778	38,762	26,925	65,687	38,955	26,913	65,868
9:00am	36,385	27,900	64,285	36,772	25,007	61,779	36,329	24,940	61,269
10:00am	32,325	28,210	60,535	34,362	25,858	60,220	33,629	25,996	59,625
11:00am	30,908	29,011	59,919	31,534	27,066	58,600	30,979	27,626	58,605
12:00pm	29,733	29,752	59,485	31,280	29,130	60,410	30,481	28,706	59,187
1:00pm	30,619	32,078	62,697	30,711	31,846	62,557	30,036	31,425	61,461
2:00pm	31,847	35,839	67,686	31,736	34,280	66,016	31,060	34,400	65,460
3:00pm	32,033	38,561	70,594	32,586	37,566	70,152	32,219	37,034	69,253
4:00pm	31,254	37,745	68,999	31,970	37,822	69,792	32,188	37,815	70,003
5:00pm	30,664	37,234	67,898	32,639	37,014	69,653	33,125	36,671	69,796
6:00pm	31,189	35,971	67,160	33,259	35,780	69,039	32,670	35,450	68,120
7:00pm	29,224	34,380	63,604	30,880	34,752	65,632	30,924	35,623	66,547
8:00pm	25,522	31,087	56,609	26,681	32,425	59,106	28,345	33,420	61,765
9:00pm	23,538	29,056	52,594	25,985	30,537	56,522	26,447	31,446	57,893
10:00pm	21,638	27,513	49,151	25,036	29,495	54,531	24,900	31,025	55,925
11:00pm	17,530	24,136	41,666	19,512	26,144	45,656	19,865	25,985	45,850
TOTAL	597,301	615,616	1,212,917	633,338	612,911	1,246,249	629,889	619,266	1,249,155

Note: See note 1 on page II-0.

TABLE 23B
ACCUMULATION OF MOTOR VEHICLES ENTERING AND LEAVING THE HUB
AT PEAK HOUR, 1993-2023

YEAR	TOTAL ACCUMULATION	AT
1993	94,100	1:00pm
1994	97,100	2:00pm
1995	94,100	2:00pm
1996	93,800	2:00pm
1997	101,000	1:00pm
1998	104,000	2:00pm
2000	102,872	2:00pm
2001	67,093	2:00pm
2002	60,181	2:00pm
2003	86,909	2:00pm
2004	91,551	2:00pm
2005	85,119	1:00pm
2006	89,847	1:00pm
2007	88,629	1:00pm
2008	79,198	1:00pm
2009	78,305	1:00pm
2010	78,173	1:00pm
2011	79,651	1:00pm
2012	81,359	1:00pm
2013	79,753	1:00pm
2014	75,896	1:00pm
2015	78,750	1:00pm
2016	72,867	1:00pm
2017	73,203	1:00pm
2018	67,725	1:00pm
2019	80,998	1:00pm
2020	70,597	1:00pm
2021	57,640	12:00pm
2022	66,539	1:00pm
2023	67,643	1:00pm

Note: See notes on page II-0.

TABLE 24
TOTAL PERSONS ENTERING THE HUB BY HOUR AND MODE IN 2023

HOURS	AUTO/TAXI VAN/TRUCK	SUBWAY	BUSES	SUBURBAN RAIL	FERRY	TRAMWAY	BICYCLE (1)	TOTAL
12:00am	15,497	4,862	387	1,737	82	20	87	22,672
1:00am	9,956	2,474	138	758	53	4	50	13,433
2:00am	7,128	2,339	223	295	67	0	30	10,082
3:00am	7,364	3,255	182	244	74	0	37	11,156
4:00am	11,988	11,429	1,130	303	167	0	93	25,110
5:00am	28,839	38,594	9,126	6,764	1,155	11	286	84,775
6:00am	42,814	88,958	21,370	22,548	2,775	115	1,387	179,967
7:00am	47,298	169,183	31,866	47,321	6,076	402	2,552	304,698
8:00am	49,375	215,079	35,380	69,043	6,813	571	3,821	380,082
9:00am	45,898	150,365	21,426	34,840	3,280	378	3,201	259,388
10:00am	42,310	85,713	9,928	16,273	2,139	293	2,553	159,209
11:00am	39,108	64,119	7,871	9,853	2,024	309	2,497	125,781
12:00pm	39,267	58,889	6,199	8,446	1,896	298	2,429	117,424
1:00pm	38,621	59,194	7,478	8,575	2,689	280	2,302	119,139
2:00pm	39,961	70,781	8,257	7,193	2,311	273	2,067	130,843
3:00pm	40,783	80,642	10,604	6,986	3,420	458	2,072	144,965
4:00pm	41,508	91,870	10,251	10,348	3,002	362	2,142	159,483
5:00pm	43,385	95,615	11,895	11,621	3,288	439	2,903	169,146
6:00pm	42,084	74,421	8,389	11,955	2,132	353	3,248	142,582
7:00pm	39,801	43,236	5,232	6,783	1,214	212	2,805	99,283
8:00pm	36,201	29,260	2,872	5,810	840	182	2,144	77,309
9:00pm	33,831	22,347	2,090	3,616	512	100	1,369	63,865
10:00pm	31,886	21,439	1,633	3,044	269	61	1,001	59,333
11:00pm	25,500	10,195	855	2,214	120	31	647	39,562
TOTAL	800,403	1,494,259	214,782	296,570	46,398	5,152	41,723	2,899,287

Notes: - See note 1 on page II-0.

(1) Excludes Staten Island Ferry bicyclists.

TABLE 25
TOTAL PERSONS LEAVING THE HUB BY HOUR AND MODE IN 2023

HOURS	AUTO/TAXI VAN/TRUCK	SUBWAY	BUSES	SUBURBAN RAIL	FERRY	TRAMWAY	BICYCLE (1)	TOTAL
12:00am	25,439	17,978	2,004	3,829	367	39	348	50,004
1:00am	14,838	7,163	643	1,313	220	13	161	24,351
2:00am	9,949	3,530	290	264	91	1	121	14,246
3:00am	8,193	2,364	151	217	50	0	55	11,030
4:00am	10,728	3,306	602	668	70	0	44	15,418
5:00am	17,985	16,705	1,286	1,819	195	8	68	38,066
6:00am	29,278	41,699	3,697	4,068	859	120	645	80,366
7:00am	36,212	66,090	6,739	6,270	1,513	141	1,103	118,068
8:00am	35,988	65,526	10,864	5,794	2,539	138	1,451	122,300
9:00am	33,689	47,830	13,054	4,849	2,023	178	1,233	102,856
10:00am	34,763	38,729	5,858	4,407	2,195	243	1,244	87,439
11:00am	36,617	37,160	4,557	4,990	2,034	315	1,790	87,463
12:00pm	38,345	42,833	4,585	5,176	2,083	303	2,148	95,473
1:00pm	41,244	52,615	5,733	7,958	2,211	359	2,152	112,272
2:00pm	45,663	73,803	8,036	13,366	2,388	386	2,068	145,710
3:00pm	48,267	105,237	13,709	19,669	3,089	424	2,282	192,677
4:00pm	50,406	149,091	21,131	40,922	5,432	547	2,851	270,380
5:00pm	49,564	201,759	37,975	59,489	7,000	590	4,105	360,482
6:00pm	48,088	160,910	24,932	41,100	5,255	571	4,541	285,397
7:00pm	47,673	100,472	16,668	18,391	2,594	396	3,739	189,933
8:00pm	44,388	74,504	11,274	14,375	1,346	267	2,860	149,014
9:00pm	41,713	59,033	6,876	11,237	1,193	189	2,581	122,822
10:00pm	41,042	52,002	5,432	10,536	868	147	2,081	112,108
11:00pm	34,569	32,678	4,226	5,098	559	74	1,464	78,668
TOTAL	824,641	1,453,017	210,322	285,805	46,174	5,449	41,135	2,866,543

Notes: - See note 1 on page II-0.

(1) Excludes Staten Island Ferry bicyclists.

TABLE 26
TOTAL PERSONS ENTERING THE HUB BY HOUR AND SECTOR IN 2023

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR (1)	NEW JERSEY SECTOR	STATEN ISLAND SECTOR (FERRY)	ROOSEVELT ISLAND (TRAMWAY)	TOTAL
12:00am	9,975	5,985	3,552	3,058	82	20	22,672
1:00am	5,338	4,021	2,160	1,857	53	4	13,433
2:00am	3,792	3,213	1,524	1,486	67	0	10,082
3:00am	4,301	3,363	1,966	1,452	74	0	11,156
4:00am	8,900	7,553	5,338	3,152	167	0	25,110
5:00am	25,270	22,840	18,778	17,126	750	11	84,775
6:00am	50,507	48,472	45,780	33,259	1,834	115	179,967
7:00am	90,785	80,547	75,173	54,490	3,301	402	304,698
8:00am	116,089	96,627	84,354	79,395	3,046	571	380,082
9:00am	79,874	71,515	54,885	51,515	1,221	378	259,388
10:00am	55,539	45,557	30,953	25,717	1,150	293	159,209
11:00am	47,394	34,259	23,615	18,819	1,385	309	125,781
12:00pm	47,638	32,822	19,401	16,146	1,119	298	117,424
1:00pm	49,580	31,871	18,882	16,738	1,788	280	119,139
2:00pm	53,715	34,465	25,049	16,036	1,305	273	130,843
3:00pm	62,710	36,317	25,427	18,042	2,011	458	144,965
4:00pm	70,692	39,844	26,545	20,545	1,495	362	159,483
5:00pm	74,003	41,146	26,865	25,602	1,091	439	169,146
6:00pm	62,268	34,397	23,784	20,907	873	353	142,582
7:00pm	45,294	22,851	15,365	15,013	548	212	99,283
8:00pm	34,969	19,272	11,979	10,358	549	182	77,309
9:00pm	29,242	16,174	9,650	8,349	350	100	63,865
10:00pm	25,323	18,310	8,080	7,330	229	61	59,333
11:00pm	18,037	10,434	5,772	5,168	120	31	39,562
TOTAL	1,071,235	761,855	564,877	471,560	24,608	5,152	2,899,287

Notes: - See note 1 on page II-0.

(1) Excludes Roosevelt Island passengers.

TABLE 27
TOTAL PERSONS LEAVING THE HUB BY HOUR AND SECTOR IN 2023

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR (1)	NEW JERSEY SECTOR	STATEN ISLAND SECTOR (FERRY)	ROOSEVELT ISLAND (TRAMWAY)	TOTAL
12:00am	16,948	15,383	10,236	7,031	367	39	50,004
1:00am	8,169	7,632	4,942	3,375	220	13	24,351
2:00am	4,605	4,745	2,841	1,963	91	1	14,246
3:00am	3,684	3,422	2,347	1,527	50	0	11,030
4:00am	4,780	4,194	3,495	2,879	70	0	15,418
5:00am	14,866	10,436	7,824	4,743	189	8	38,066
6:00am	36,108	21,238	13,868	8,418	614	120	80,366
7:00am	58,629	28,443	17,363	13,083	409	141	118,068
8:00am	57,501	29,084	16,982	18,096	499	138	122,300
9:00am	45,042	24,428	13,248	19,519	441	178	102,856
10:00am	39,692	21,382	13,077	12,143	902	243	87,439
11:00am	36,816	22,654	15,305	11,173	1,200	315	87,463
12:00pm	39,055	25,028	17,991	11,552	1,544	303	95,473
1:00pm	44,112	30,132	21,093	15,160	1,416	359	112,272
2:00pm	54,202	39,257	30,613	19,701	1,551	386	145,710
3:00pm	65,895	51,993	43,917	28,557	1,891	424	192,677
4:00pm	82,340	72,810	65,843	45,619	3,221	547	270,380
5:00pm	108,190	94,793	79,485	73,730	3,694	590	360,482
6:00pm	86,391	79,815	59,911	56,142	2,567	571	285,397
7:00pm	59,499	55,771	38,689	34,234	1,344	396	189,933
8:00pm	48,992	42,537	29,794	26,575	849	267	149,014
9:00pm	43,118	35,601	24,310	18,848	756	189	122,822
10:00pm	40,377	30,851	23,065	17,102	566	147	112,108
11:00pm	28,325	22,675	16,906	10,215	473	74	78,668
TOTAL	1,027,336	774,304	573,145	461,385	24,924	5,449	2,866,543

Notes: - See note 1 on page II-0.

(1) Excludes Roosevelt Island passengers.

Appendix III

Hourly Detail Tables - 2023

Note:

I. Changes in travel behavior due to the COVID-19 pandemic remain. However, there has been continuous and steady increase in travel since 2020.

II. Data collection methods, standards, etc. may have changed over the years in various ways. Care should be taken when comparing prior years' data.

SECTION A
BUS TRANSIT BY SECTOR
SUMMARY, 2023-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	33	145	1	5	6	14	35	223	75	387
1:00am	13	19	1	4	4	10	15	105	33	138
2:00am	8	21	1	6	2	5	17	191	28	223
3:00am	9	28	1	13	2	19	9	122	21	182
4:00am	18	120	6	177	1	14	26	819	51	1,130
5:00am	57	616	52	1,425	6	125	206	6,960	323	9,126
6:00am	126	1,705	109	3,212	64	1,756	444	14,697	745	21,370
7:00am	156	3,153	159	4,998	139	3,512	522	20,203	978	31,866
8:00am	176	3,949	151	3,705	118	2,191	645	25,535	1,091	35,380
9:00am	132	2,286	59	1,249	54	706	531	17,185	777	21,426
10:00am	103	1,617	25	502	24	299	255	7,510	407	9,928
11:00am	107	1,759	18	363	20	231	188	5,518	333	7,871
12:00pm	104	1,706	18	359	19	192	152	3,942	293	6,199
1:00pm	108	1,764	18	352	19	199	201	5,163	346	7,478
2:00pm	111	1,990	16	342	19	169	228	5,756	374	8,257
3:00pm	129	2,391	16	348	20	182	324	7,683	488	10,604
4:00pm	133	2,360	15	203	21	140	392	7,548	560	10,251
5:00pm	117	2,284	11	124	23	186	482	9,301	631	11,895
6:00pm	104	1,610	10	74	21	107	340	6,598	473	8,389
7:00pm	97	1,020	6	49	17	65	271	4,098	390	5,232
8:00pm	79	616	5	44	17	58	166	2,154	266	2,872
9:00pm	66	470	4	57	10	48	128	1,515	208	2,090
10:00pm	58	375	3	38	8	35	108	1,185	177	1,633
11:00pm	48	232	1	9	6	15	73	599	128	855
TOTAL	2,092	32,236	706	17,658	640	10,278	5,758	154,610	9,196	214,782

Notes:

- See note on page III-0.
- Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
- Lincoln and Holland Tunnels' (NJ Sector) counts include all 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 2023 Continuous Bus Survey - adjusted estimates.
- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION A
BUS TRANSIT BY SECTOR
SUMMARY, 2023-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	58	487	15	374	9	121	43	1,022	125	2,004
1:00am	30	139	6	113	3	29	18	362	57	643
2:00am	10	34	1	11	2	12	14	233	27	290
3:00am	8	26	1	10	2	6	5	109	16	151
4:00am	9	40	1	8	3	8	30	546	43	602
5:00am	22	215	1	9	5	14	93	1,048	121	1,286
6:00am	55	932	1	23	4	23	287	2,719	347	3,697
7:00am	99	2,407	4	91	9	65	380	4,176	492	6,739
8:00am	123	2,872	5	116	17	115	576	7,761	721	10,864
9:00am	119	1,977	9	119	19	95	634	10,863	781	13,054
10:00am	110	1,575	7	82	21	111	315	4,090	453	5,858
11:00am	100	1,567	14	188	20	139	178	2,663	312	4,557
12:00pm	102	1,689	15	275	20	172	130	2,449	267	4,585
1:00pm	103	1,892	16	328	20	240	151	3,273	290	5,733
2:00pm	106	2,137	31	844	21	347	166	4,708	324	8,036
3:00pm	122	2,723	64	1,683	26	555	275	8,748	487	13,709
4:00pm	146	3,076	103	2,939	68	1,481	364	13,635	681	21,131
5:00pm	183	4,078	152	4,417	110	2,365	665	27,115	1,110	37,975
6:00pm	162	3,380	115	2,448	93	1,637	438	17,467	808	24,932
7:00pm	126	1,989	58	1,094	58	835	364	12,750	606	16,668
8:00pm	99	1,458	34	747	24	394	256	8,675	413	11,274
9:00pm	88	1,248	23	536	19	243	160	4,849	290	6,876
10:00pm	73	968	21	419	13	181	113	3,864	220	5,432
11:00pm	64	712	15	341	12	148	98	3,025	189	4,226
TOTAL	2,117	37,621	712	17,215	598	9,336	5,753	146,150	9,180	210,322

Notes:

- See note on page III-0.
- Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
- Lincoln and Holland Tunnels' (NJ Sector) counts include all 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 2023 Continuous Bus Survey - adjusted estimates.
- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION A
BUS TRANSIT BY ROUTE
60TH STREET SECTOR, 2023-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	10	3	19	0	0	3	19	8	60	0	0	8	60	3	16	2	7	0	0	5	23
1:00am	1	1	2	5	0	0	2	5	3	7	0	0	3	7	1	1	1	2	0	0	2	3
2:00am	0	0	2	7	0	0	2	7	3	7	0	0	3	7	1	1	0	0	0	0	1	1
3:00am	0	0	2	8	0	0	2	8	3	11	0	0	3	11	1	2	0	0	0	0	1	2
4:00am	0	0	4	33	1	13	5	46	6	32	0	0	6	32	3	21	0	0	0	0	3	21
5:00am	2	16	6	46	10	142	16	188	15	99	0	0	15	99	5	68	4	117	2	46	11	231
6:00am	5	45	8	82	16	289	24	371	22	238	2	18	24	256	16	169	28	623	2	23	46	815
7:00am	8	152	7	135	23	663	30	798	17	360	4	39	21	399	23	519	39	757	2	33	64	1,309
8:00am	8	223	7	259	15	513	22	772	18	651	7	45	25	696	33	932	48	667	1	17	82	1,616
9:00am	6	134	7	168	9	229	16	397	15	425	5	27	20	452	27	550	31	336	1	0	59	886
10:00am	5	109	6	136	8	198	14	334	15	342	3	21	18	363	18	321	17	159	0	0	35	480
11:00am	5	102	7	170	8	197	15	367	18	425	4	18	22	443	20	369	15	138	0	0	35	507
12:00pm	5	102	6	154	8	195	14	349	19	393	2	9	21	402	20	403	13	114	0	0	33	517
1:00pm	5	91	6	162	9	193	15	355	18	408	2	8	20	416	22	423	13	126	0	0	35	549
2:00pm	6	124	7	219	9	242	16	461	17	448	2	7	19	455	23	427	13	109	0	0	36	536
3:00pm	6	158	6	198	10	283	16	481	19	579	2	6	21	585	29	589	13	81	0	0	42	670
4:00pm	7	177	6	216	11	273	17	489	18	500	2	6	20	506	37	660	13	76	0	0	50	736
5:00pm	7	213	6	240	10	239	16	479	16	484	2	7	18	491	24	532	13	79	0	0	37	611
6:00pm	6	133	6	217	7	142	13	359	17	395	2	5	19	400	19	324	12	57	0	0	31	381
7:00pm	6	102	7	209	5	80	12	289	14	207	2	3	16	210	17	156	15	49	0	0	32	205
8:00pm	4	37	6	116	5	59	11	175	15	168	1	2	16	170	12	69	10	27	0	0	22	96
9:00pm	3	19	5	86	5	44	10	130	11	116	1	2	12	118	12	63	9	52	0	0	21	115
10:00pm	3	16	5	91	1	8	6	99	10	82	1	0	11	82	10	51	9	48	0	0	19	99
11:00pm	3	19	3	45	0	0	3	45	9	78	2	2	11	80	6	30	9	21	0	0	15	51
TOTAL	103	1,983	130	3,021	170	4,002	300	7,023	326	6,515	46	225	372	6,740	382	6,696	327	3,645	8	119	717	10,460

Notes:

- See note on page III-0.

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

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

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

SECTION A

60TH STREET SECTOR, 2023-INBOUND (CONT'D)

HOURS	BROADWAY						COLUMBUS AVE		WEST END AVENUE		TOTAL							
	NYCT LOCAL		MTA BUS CO.		TOTAL		NYCT LOCAL		NYCT LOCAL		NYC TRANSIT		MTA BUS CO.		WCDOT *		ALL BUSES	
	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS	BUS	PSGRS
12:00 am	11	25	0	0	11	25	2	6	2	2	31	138	2	7	0	0	33	145
1:00am	5	3	0	0	5	3	0	0	0	0	12	17	1	2	0	0	13	19
2:00am	2	6	0	0	2	6	0	0	0	0	8	21	0	0	0	0	8	21
3:00am	3	7	0	0	3	7	0	0	0	0	9	28	0	0	0	0	9	28
4:00am	4	21	0	0	4	21	0	0	0	0	18	120	0	0	0	0	18	120
5:00am	10	58	0	0	10	58	4	21	1	3	53	453	4	117	2	46	59	616
6:00am	17	128	1	9	18	137	6	45	5	36	95	1,032	31	650	2	23	128	1,705
7:00am	21	238	2	10	23	248	7	167	5	80	111	2,314	45	806	2	33	158	3,153
8:00am	26	395	3	12	29	407	6	138	5	97	118	3,208	58	724	1	17	177	3,949
9:00am	21	274	2	9	23	283	5	81	4	53	94	1,914	38	372	1	0	133	2,286
10:00am	20	204	2	8	22	212	5	78	4	41	81	1,429	22	188	0	0	103	1,617
11:00am	19	214	2	7	21	221	5	79	4	40	86	1,596	21	163	0	0	107	1,759
12:00pm	20	206	2	8	22	214	5	82	4	40	87	1,575	17	131	0	0	104	1,706
1:00pm	21	221	2	6	23	227	5	73	5	53	91	1,624	17	140	0	0	108	1,764
2:00pm	21	216	2	6	23	222	6	138	5	54	94	1,868	17	122	0	0	111	1,990
3:00pm	26	281	2	6	28	287	9	144	6	66	111	2,298	17	93	0	0	128	2,391
4:00pm	25	248	2	7	27	255	5	117	6	80	115	2,271	17	89	0	0	132	2,360
5:00pm	24	268	2	8	26	276	5	136	6	78	98	2,190	17	94	0	0	115	2,284
6:00pm	22	189	2	4	24	193	4	87	5	57	86	1,544	16	66	0	0	102	1,610
7:00pm	20	114	3	6	23	120	3	54	4	40	76	962	20	58	0	0	96	1,020
8:00pm	16	73	2	4	18	77	4	45	3	16	65	583	13	33	0	0	78	616
9:00pm	14	60	2	2	16	62	2	21	2	5	54	414	12	56	0	0	66	470
10:00pm	12	53	2	2	14	55	3	19	2	5	46	325	12	50	0	0	58	375
11:00pm	10	26	2	1	12	27	2	9	2	1	35	208	13	24	0	0	48	232
TOTAL	390	3,528	37	115	427	3,643	93	1,540	80	847	1,674	28,132	410	3,985	8	119	2,092	32,236

Notes:

- See note on page III-0.
- Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.
- * WCDOT refers to Bee-Line buses operated by the Westchester County Department of Transportation.

SECTION A
BUS TRANSIT BY ROUTE
60TH STREET SECTOR, 2023-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	3	9	6	82	0	0	6	82	12	112	1	2	13	114	7	75	9	126	0	0	16	201
1:00am	1	3	5	35	0	0	5	35	6	46	0	0	6	46	2	13	3	27	0	0	5	40
2:00am	0	0	3	15	0	0	3	15	3	15	0	0	3	15	1	2	0	0	0	0	1	2
3:00am	0	0	2	9	0	0	2	9	3	12	0	0	3	12	1	2	0	0	0	0	1	2
4:00am	0	0	2	21	0	0	2	21	3	15	0	0	3	15	1	1	0	0	0	0	1	1
5:00am	1	4	3	70	1	36	4	106	7	70	0	0	7	70	3	14	0	0	0	0	3	14
6:00am	3	38	4	102	7	354	11	456	16	210	1	4	17	214	5	83	2	6	0	0	7	89
7:00am	5	102	5	171	15	884	20	1,055	17	422	2	5	19	427	14	269	10	55	0	0	24	324
8:00am	7	144	7	203	21	1,149	28	1,352	17	568	2	1	19	569	18	289	14	46	0	0	32	335
9:00am	8	113	6	149	13	650	19	799	15	366	2	4	17	370	28	356	12	30	0	0	40	386
10:00am	6	85	7	136	10	410	17	546	15	307	2	4	17	311	27	327	11	33	0	0	38	360
11:00am	5	78	7	162	8	290	15	452	16	342	2	7	18	349	20	360	13	50	0	0	33	410
12:00pm	5	83	6	144	8	315	14	459	17	360	2	4	19	364	19	357	13	69	0	0	32	426
1:00pm	5	98	6	159	8	342	14	501	18	386	2	7	20	393	20	406	13	93	0	0	33	499
2:00pm	5	105	6	186	8	383	14	569	17	397	3	11	20	408	20	458	14	137	0	0	34	595
3:00pm	5	111	6	258	9	393	15	651	18	531	3	12	21	543	23	511	18	282	1	26	42	819
4:00pm	7	135	7	253	10	368	17	621	19	566	4	14	23	580	25	634	32	482	1	19	58	1,135
5:00pm	7	159	7	298	11	410	18	708	19	597	6	31	25	628	35	977	55	869	2	30	92	1,876
6:00pm	6	122	7	270	12	383	19	653	19	491	4	21	23	512	34	829	39	602	2	15	75	1,446
7:00pm	7	123	6	159	9	210	15	369	20	351	3	10	23	361	23	386	25	340	1	10	49	736
8:00pm	6	85	7	131	6	155	13	286	16	250	3	15	19	265	18	276	15	255	1	13	34	544
9:00pm	4	75	6	135	6	172	12	307	16	235	2	11	18	246	15	203	14	180	0	0	29	383
10:00pm	4	67	6	107	5	133	11	240	11	173	2	5	13	178	13	155	11	166	0	0	24	321
11:00pm	3	24	5	96	3	65	8	161	10	112	2	4	12	116	10	104	10	194	0	0	20	298
TOTAL	103	1,763	132	3,351	170	7,102	302	10,453	330	6,934	48	172	378	7,106	382	7,087	333	4,042	8	113	723	11,242

Notes:

- See note on page III-0.

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

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

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

SECTION A

60TH STREET SECTOR, 2023-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	5	11	46	2	13	13	59	1	9	2	8	46	346	12	141	0	0	58	487		
1:00am	3	4	8	8	0	0	8	8	0	0	2	3	27	112	3	27	0	0	30	139		
2:00am	1	0	2	2	0	0	2	2	0	0	0	0	10	34	0	0	0	0	10	34		
3:00am	0	0	2	3	0	0	2	3	0	0	0	0	8	26	0	0	0	0	8	26		
4:00am	0	0	3	3	0	0	3	3	0	0	0	0	9	40	0	0	0	0	9	40		
5:00am	1	2	4	11	0	0	4	11	0	0	2	8	22	215	0	0	0	0	22	215		
6:00am	3	4	8	38	0	0	8	38	4	49	2	44	52	922	3	10	0	0	55	932		
7:00am	6	29	13	108	1	0	14	108	6	191	5	171	86	2,347	13	60	0	0	99	2,407		
8:00am	8	38	15	96	2	2	17	98	6	141	6	195	105	2,823	18	49	0	0	123	2,872		
9:00am	6	20	16	92	2	2	18	94	6	88	5	107	103	1,941	16	36	0	0	119	1,977		
10:00am	6	24	15	93	2	4	17	97	5	75	4	77	95	1,534	15	41	0	0	110	1,575		
11:00am	5	21	13	102	2	3	15	105	5	82	4	70	83	1,507	17	60	0	0	100	1,567		
12:00pm	6	38	14	133	2	6	16	139	5	87	5	93	85	1,610	17	79	0	0	102	1,689		
1:00pm	6	39	14	159	2	4	16	163	5	111	4	88	86	1,788	17	104	0	0	103	1,892		
2:00pm	7	53	16	205	2	8	18	213	4	84	4	110	87	1,981	19	156	0	0	106	2,137		
3:00pm	8	64	17	231	2	11	19	242	7	171	5	122	98	2,392	23	305	1	26	122	2,723		
4:00pm	9	64	17	215	3	17	20	232	6	169	6	140	106	2,544	39	513	1	19	146	3,076		
5:00pm	9	73	17	254	4	24	21	278	5	165	6	191	116	3,124	65	924	2	30	183	4,078		
6:00pm	9	55	16	234	3	18	19	252	5	157	6	183	114	2,724	46	641	2	15	162	3,380		
7:00pm	6	27	14	129	2	14	16	143	4	95	6	135	95	1,615	30	364	1	10	126	1,989		
8:00pm	5	21	12	104	2	12	14	116	4	70	4	71	78	1,163	20	282	1	13	99	1,458		
9:00pm	5	19	11	99	2	12	13	111	4	68	3	39	70	1,045	18	203	0	0	88	1,248		
10:00pm	5	19	10	69	2	12	12	81	2	36	2	26	58	785	15	183	0	0	73	968		
11:00pm	5	16	9	43	2	7	11	50	3	32	2	15	50	507	14	205	0	0	64	712		
TOTAL	123	635	277	2,477	39	169	316	2,646	87	1,880	85	1,896	1,689	33,125	420	4,383	8	113	2,117	37,621		

Notes:

- See note on page III-0.
- Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.
- * Central Park West (also called Eighth Avenue).
- ** WCDOT refers to Bee-Line buses operated by the Westchester County Department of Transportation.

SECTION A
BUS TRANSIT BY ROUTE
BROOKLYN SECTOR, 2023-INBOUND

HOURS	HUGH L. CAREY TUNNEL(Express)						WILLIAMSBURG BRIDGE (Local)				TOTAL					
	NYC Transit		MTA Bus Co		TOTAL		NYC Transit		TOTAL		NYC Transit		MTA Bus Co		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	1	5	0	0	1	5	0	0	0	0	1	5	0	0	1	5
1:00am	1	4	0	0	1	4	0	0	0	0	1	4	0	0	1	4
2:00am	1	6	0	0	1	6	0	0	0	0	1	6	0	0	1	6
3:00am	1	13	0	0	1	13	0	0	0	0	1	13	0	0	1	13
4:00am	6	177	0	0	6	177	0	0	0	0	6	177	0	0	6	177
5:00am	50	1,361	2	64	52	1,425	0	0	0	0	50	1,361	2	64	52	1,425
6:00am	98	2,856	11	356	109	3,212	0	0	0	0	98	2,856	11	356	109	3,212
7:00am	137	4,457	20	539	157	4,996	2	2	2	2	139	4,459	20	539	159	4,998
8:00am	125	3,186	24	517	149	3,703	2	2	2	2	127	3,188	24	517	151	3,705
9:00am	50	1,140	7	107	57	1,247	2	2	2	2	52	1,142	7	107	59	1,249
10:00am	18	430	5	68	23	498	2	4	2	4	20	434	5	68	25	502
11:00am	13	322	3	37	16	359	2	4	2	4	15	326	3	37	18	363
12:00pm	12	306	4	47	16	353	2	6	2	6	14	312	4	47	18	359
1:00pm	12	313	4	32	16	345	2	7	2	7	14	320	4	32	18	352
2:00pm	12	311	2	21	14	332	2	10	2	10	14	321	2	21	16	342
3:00pm	12	326	2	14	14	340	2	8	2	8	14	334	2	14	16	348
4:00pm	11	183	2	13	13	196	2	7	2	7	13	190	2	13	15	203
5:00pm	9	117	0	0	9	117	2	7	2	7	11	124	0	0	11	124
6:00pm	8	69	0	0	8	69	2	5	2	5	10	74	0	0	10	74
7:00pm	4	44	0	0	4	44	2	5	2	5	6	49	0	0	6	49
8:00pm	3	40	0	0	3	40	2	4	2	4	5	44	0	0	5	44
9:00pm	3	54	0	0	3	54	1	3	1	3	4	57	0	0	4	57
10:00pm	3	38	0	0	3	38	0	0	0	0	3	38	0	0	3	38
11:00pm	1	9	0	0	1	9	0	0	0	0	1	9	0	0	1	9
TOTAL	591	15,767	86	1,815	677	17,582	29	76	29	76	620	15,843	86	1,815	706	17,658

Notes:

- See note on page III-0.
- Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
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SECTION A BUS TRANSIT BY ROUTE BROOKLYN SECTOR 2023-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	13	351	2	23	15	374	0	0	0	0	13	351	2	23	15	374
1:00am	6	113	0	0	6	113	0	0	0	0	6	113	0	0	6	113
2:00am	1	11	0	0	1	11	0	0	0	0	1	11	0	0	1	11
3:00am	1	10	0	0	1	10	0	0	0	0	1	10	0	0	1	10
4:00am	1	8	0	0	1	8	0	0	0	0	1	8	0	0	1	8
5:00am	1	9	0	0	1	9	0	0	0	0	1	9	0	0	1	9
6:00am	1	23	0	0	1	23	0	0	0	0	1	23	0	0	1	23
7:00am	2	83	0	0	2	83	2	8	2	8	4	91	0	0	4	91
8:00am	3	108	0	0	3	108	2	8	2	8	5	116	0	0	5	116
9:00am	7	110	0	0	7	110	2	9	2	9	9	119	0	0	9	119
10:00am	5	73	0	0	5	73	2	9	2	9	7	82	0	0	7	82
11:00am	10	166	2	12	12	178	2	10	2	10	12	176	2	12	14	188
12:00pm	9	242	4	24	13	266	2	9	2	9	11	251	4	24	15	275
1:00pm	10	301	4	18	14	319	2	9	2	9	12	310	4	18	16	328
2:00pm	24	761	5	73	29	834	2	10	2	10	26	771	5	73	31	844
3:00pm	54	1,503	8	172	62	1,675	2	8	2	8	56	1,511	8	172	64	1,683
4:00pm	87	2,638	14	293	101	2,931	2	8	2	8	89	2,646	14	293	103	2,939
5:00pm	129	3,949	21	460	150	4,409	2	8	2	8	131	3,957	21	460	152	4,417
6:00pm	96	2,202	17	241	113	2,443	2	5	2	5	98	2,207	17	241	115	2,448
7:00pm	49	950	8	140	57	1,090	1	4	1	4	50	954	8	140	58	1,094
8:00pm	25	645	7	95	32	740	2	7	2	7	27	652	7	95	34	747
9:00pm	19	499	3	36	22	535	1	1	1	1	20	500	3	36	23	536
10:00pm	17	380	4	39	21	419	0	0	0	0	17	380	4	39	21	419
11:00pm	13	315	2	26	15	341	0	0	0	0	13	315	2	26	15	341
TOTAL	583	15,450	101	1,652	684	17,102	28	113	28	113	610	14,359	101	1,652	711	16,011

Notes:

- See note on page III-0.
- Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
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SECTION A
BUS TRANSIT BY ROUTE
QUEENS SECTOR 2022-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	3	7	3	7	6	14	0	0	0	0	0	0	3	7	3	7	6	14
1:00am	2	5	2	5	4	10	0	0	0	0	0	0	2	5	2	5	4	10
2:00am	0	0	2	5	2	5	0	0	0	0	0	0	0	0	2	5	2	5
3:00am	0	0	2	19	2	19	0	0	0	0	0	0	0	0	2	19	2	19
4:00am	0	0	1	14	1	14	0	0	0	0	0	0	0	0	1	14	1	14
5:00am	0	0	4	64	4	64	0	0	2	61	2	61	0	0	6	125	6	125
6:00am	5	123	3	43	8	166	7	229	49	1,361	56	1,590	12	352	52	1,404	64	1,756
7:00am	6	151	6	97	12	248	11	271	116	2,993	127	3,264	17	422	122	3,090	139	3,512
8:00am	5	89	6	64	11	153	10	173	97	1,865	107	2,038	15	262	103	1,929	118	2,191
9:00am	6	84	8	50	14	134	3	32	37	540	40	572	9	116	45	590	54	706
10:00am	5	64	7	52	12	116	0	0	12	183	12	183	5	64	19	235	24	299
11:00am	5	70	6	42	11	112	0	0	9	119	9	119	5	70	15	161	20	231
12:00pm	5	63	6	36	11	99	0	0	8	93	8	93	5	63	14	129	19	192
1:00pm	5	75	6	39	11	114	0	0	8	85	8	85	5	75	14	124	19	199
2:00pm	5	62	6	35	11	97	0	0	8	72	8	72	5	62	14	107	19	169
3:00pm	6	82	7	40	13	122	0	0	7	60	7	60	6	82	14	100	20	182
4:00pm	7	63	7	30	14	93	0	0	7	47	7	47	7	63	14	77	21	140
5:00pm	7	74	8	42	15	116	0	0	8	70	8	70	7	74	16	112	23	186
6:00pm	6	37	9	37	15	74	0	0	6	33	6	33	6	37	15	70	21	107
7:00pm	5	23	7	26	12	49	0	0	5	16	5	16	5	23	12	42	17	65
8:00pm	5	20	7	23	12	43	0	0	5	15	5	15	5	20	12	38	17	58
9:00pm	3	20	3	16	6	36	0	0	4	12	4	12	3	20	7	28	10	48
10:00pm	4	21	3	12	7	33	0	0	1	2	1	2	4	21	4	14	8	35
11:00pm	3	8	2	5	5	13	0	0	1	2	1	2	3	8	3	7	6	15
TOTAL	98	1,141	121	803	219	1,944	31	705	390	7,629	421	8,334	129	1,846	511	8,432	640	10,278

Notes:

- See note on page III-0.

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

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

SECTION A BUS TRANSIT BY ROUTE QUEENS SECTOR 2023-OUTBOUND

HOURS	ED KOCH QUEENSBORO BRIDGE										QUEENS MIDTOWN TUNNEL				TOTAL					
	NYC Transit (Local)		NYC Transit (Express)		MTA Bus Co (Local)		MTA Bus Co (Express)		TOTAL		MTA Bus Co.		TOTAL		NYC Transit		MTA Bus Co		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	4	68	0	0	2	41	3	12	9	121	0	0	0	0	4	68	5	53	9	121
1:00am	1	9	0	0	2	20	0	0	3	29	0	0	0	0	1	9	2	20	3	29
2:00am	0	0	0	0	2	12	0	0	2	12	0	0	0	0	0	0	2	12	2	12
3:00am	0	0	0	0	2	6	0	0	2	6	0	0	0	0	0	0	2	6	2	6
4:00am	1	3	0	0	2	5	0	0	3	8	0	0	0	0	1	3	2	5	3	8
5:00am	2	8	0	0	3	6	0	0	5	14	0	0	0	0	2	8	3	6	5	14
6:00am	1	6	0	0	3	17	0	0	4	23	0	0	0	0	1	6	3	17	4	23
7:00am	4	40	0	0	5	25	0	0	9	65	0	0	0	0	4	40	5	25	9	65
8:00am	5	52	0	0	6	40	6	23	17	115	0	0	0	0	5	52	12	63	17	115
9:00am	5	39	0	0	7	35	7	21	19	95	0	0	0	0	5	39	14	56	19	95
10:00am	5	36	0	0	8	47	8	28	21	111	0	0	0	0	5	36	16	75	21	111
11:00am	5	50	0	0	7	49	8	40	20	139	0	0	0	0	5	50	15	89	20	139
12:00pm	5	62	0	0	6	56	8	44	19	162	1	10	1	10	5	62	15	110	20	172
1:00pm	5	82	0	0	6	66	8	80	19	228	1	12	1	12	5	82	15	158	20	240
2:00pm	5	109	0	0	6	85	9	136	20	330	1	17	1	17	5	109	16	238	21	347
3:00pm	6	171	0	0	6	109	12	216	24	496	2	59	2	59	6	171	20	384	26	555
4:00pm	6	166	7	149	6	136	43	849	62	1,300	6	181	6	181	13	315	55	1,166	68	1,481
5:00pm	6	180	10	193	8	149	78	1,599	102	2,121	8	244	8	244	16	373	94	1,992	110	2,365
6:00pm	7	173	8	145	8	176	63	1,010	86	1,504	7	133	7	133	15	318	78	1,319	93	1,637
7:00pm	7	148	5	65	9	145	33	414	54	772	4	63	4	63	12	213	46	622	58	835
8:00pm	6	104	0	0	7	86	10	182	23	372	1	22	1	22	6	104	18	290	24	394
9:00pm	6	81	0	0	5	57	7	91	18	229	1	14	1	14	6	81	13	162	19	243
10:00pm	3	49	0	0	3	40	6	79	12	168	1	13	1	13	3	49	10	132	13	181
11:00pm	3	56	0	0	2	36	6	40	11	132	1	16	1	16	3	56	9	92	12	148
TOTAL	98	1,692	30	552	121	1,444	315	4,864	564	8,552	34	784	34	784	128	2,244	470	7,092	598	9,336

Notes:

- See note on page III-0.
- Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION A
BUS TRANSIT BY ROUTE
NEW JERSEY SECTOR

2023-INBOUND

HOURS	HOLLAND TUNNEL		LINCOLN TUNNEL		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	0	0	35	223	35	223
1:00am	0	0	15	105	15	105
2:00am	3	37	14	154	17	191
3:00am	0	0	9	122	9	122
4:00am	5	94	21	725	26	819
5:00am	9	198	197	6,762	206	6,960
6:00am	17	481	427	14,216	444	14,697
7:00am	14	412	508	19,791	522	20,203
8:00am	19	516	626	25,019	645	25,535
9:00am	12	258	519	16,927	531	17,185
10:00am	13	255	242	7,255	255	7,510
11:00am	8	146	180	5,372	188	5,518
12:00pm	3	38	149	3,904	152	3,942
1:00pm	5	65	196	5,098	201	5,163
2:00pm	7	110	221	5,646	228	5,756
3:00pm	19	239	305	7,444	324	7,683
4:00pm	16	244	376	7,304	392	7,548
5:00pm	16	322	466	8,979	482	9,301
6:00pm	13	228	327	6,370	340	6,598
7:00pm	17	285	254	3,813	271	4,098
8:00pm	5	91	161	2,063	166	2,154
9:00pm	2	28	126	1,487	128	1,515
10:00pm	2	40	106	1,145	108	1,185
11:00pm	2	19	71	580	73	599
TOTAL	207	4,106	5,551	150,504	5,758	154,610

2023-OUTBOUND

HOURS	HOLLAND TUNNEL		LINCOLN TUNNEL		TOTAL	
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS
12:00 am	1	13	42	1,009	43	1,022
1:00am	1	9	17	353	18	362
2:00am	2	22	12	211	14	233
3:00am	1	14	4	95	5	109
4:00am	26	430	4	116	30	546
5:00am	17	325	76	723	93	1,048
6:00am	17	342	270	2,377	287	2,719
7:00am	13	184	367	3,992	380	4,176
8:00am	24	423	552	7,338	576	7,761
9:00am	37	421	597	10,442	634	10,863
10:00am	11	138	304	3,952	315	4,090
11:00am	5	61	173	2,602	178	2,663
12:00pm	9	92	121	2,357	130	2,449
1:00pm	10	124	141	3,149	151	3,273
2:00pm	5	79	161	4,629	166	4,708
3:00pm	30	686	245	8,062	275	8,748
4:00pm	15	487	349	13,148	364	13,635
5:00pm	42	1,248	623	25,867	665	27,115
6:00pm	16	540	422	16,927	438	17,467
7:00pm	26	596	338	12,154	364	12,750
8:00pm	16	356	240	8,319	256	8,675
9:00pm	5	99	155	4,750	160	4,849
10:00pm	0	0	113	3,864	113	3,864
11:00pm	2	22	96	3,003	98	3,025
TOTAL	331	6,711	5,422	139,439	5,753	146,150

Notes:

- See note on page III-0.
- 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 2023 Continuous Bus Survey - adjusted estimates.
- New Jersey Sector - Lincoln and Holland Tunnels' (LTHT) counts include commuter buses.
- LTHT westbound data are collected using miovision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound and westbound volumes.
- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION A

EXPRESS BUS RIDERSHIP BY SECTOR AND OPERATOR

2023-INBOUND EXPRESS ONLY

III - 12

HOURS	60TH ST SECTOR						BROOKLYN SECTOR				QUEENS SECTOR				N. J. SECTOR		TOTAL ALL SECTORS	
	NYC TRANSIT		MTA BUS CO.		WCDOT		NYC TRANSIT		MTA BUS CO.		NYC TRANSIT		MTA BUS CO.		OTHER OPERATORS		BUSES	PSGRS
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS		
12:00am	0	0	2	7	0	0	1	5	0	0	0	0	0	0	35	223	38	318
1:00am	0	0	1	2	0	0	1	4	0	0	0	0	0	0	15	105	17	179
2:00am	0	0	0	0	0	0	1	6	0	0	0	0	0	0	17	191	18	308
3:00am	0	0	0	0	0	0	1	13	0	0	0	0	0	0	9	122	10	237
4:00am	1	13	0	0	0	0	6	177	0	0	0	0	0	0	26	819	33	1,141
5:00am	10	142	4	117	2	46	50	1,361	2	64	0	0	2	61	206	6,960	276	8,955
6:00am	16	289	31	650	2	23	98	2,856	11	356	7	229	49	1,361	444	14,697	658	20,564
7:00am	23	663	45	806	2	33	137	4,457	20	539	11	271	116	2,993	522	20,203	876	29,980
8:00am	15	513	58	724	1	17	125	3,186	24	517	10	173	97	1,865	645	25,535	975	33,095
9:00am	9	229	38	372	1	0	50	1,140	7	107	3	32	37	540	531	17,185	676	19,909
10:00am	8	198	22	188	0	0	18	430	5	68	0	0	12	183	255	7,510	320	8,691
11:00am	8	197	21	163	0	0	13	322	3	37	0	0	9	119	188	5,518	242	6,454
12:00pm	8	195	17	131	0	0	12	306	4	47	0	0	8	93	152	3,942	201	4,678
1:00pm	9	193	17	140	0	0	12	313	4	32	0	0	8	85	201	5,163	251	5,965
2:00pm	9	242	17	122	0	0	12	311	2	21	0	0	8	72	228	5,756	276	6,313
3:00pm	10	283	17	93	0	0	12	326	2	14	0	0	7	60	324	7,683	372	8,729
4:00pm	11	273	17	89	0	0	11	183	2	13	0	0	7	47	392	7,548	440	8,155
5:00pm	10	239	17	94	0	0	9	117	0	0	0	0	8	70	482	9,301	526	9,766
6:00pm	7	142	16	66	0	0	8	69	0	0	0	0	6	33	340	6,598	377	6,872
7:00pm	5	80	20	58	0	0	4	44	0	0	0	0	5	16	271	4,098	305	4,312
8:00pm	5	59	13	33	0	0	3	40	0	0	0	0	5	15	166	2,154	192	2,273
9:00pm	5	44	12	56	0	0	3	54	0	0	0	0	4	12	128	1,515	152	1,726
10:00pm	1	8	12	50	0	0	3	38	0	0	0	0	1	2	108	1,185	125	1,268
11:00pm	0	0	13	24	0	0	1	9	0	0	0	0	1	2	73	599	88	648
TOTAL	170	4,002	410	3,985	8	119	591	15,767	86	1,815	31	705	390	7,629	5,758	154,610	7,444	190,536

Notes:

- See note on page III-0.
- Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
- Lincoln and Holland Tunnels' (NJ Sector) counts include all 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 2023 Continuous Bus Survey - adjusted estimates.
- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION A
EXPRESS BUS RIDERSHIP BY SECTOR AND OPERATOR
2023-OUTBOUND EXPRESS ONLY

III - 13

HOURS	60TH ST SECTOR						BROOKLYN SECTOR				QUEENS SECTOR				N. J. SECTOR		TOTAL ALL SECTORS	
	NYC TRANSIT		MTA BUS CO.		WCDOT		NYC TRANSIT		MTA BUS CO.		NYC TRANSIT		MTA BUS CO.		OTHER OPERATORS		BUSES	PSGRS
	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS	BUSES	PSGRS		
12:00am	0	0	12	141	0	0	13	351	2	23	0	0	3	12	43	1,022	73	1,561
1:00am	0	0	3	27	0	0	6	113	0	0	0	0	0	0	18	362	27	513
2:00am	0	0	0	0	0	0	1	11	0	0	0	0	0	0	14	233	15	303
3:00am	0	0	0	0	0	0	1	10	0	0	0	0	0	0	5	109	6	131
4:00am	0	0	0	0	0	0	1	8	0	0	0	0	0	0	30	546	31	699
5:00am	1	36	0	0	0	0	1	9	0	0	0	0	0	0	93	1,048	95	948
6:00am	7	354	3	10	0	0	1	23	0	0	0	0	0	0	287	2,719	298	2,978
7:00am	15	884	13	60	0	0	2	83	0	0	0	0	0	0	380	4,176	410	5,217
8:00am	21	1,149	18	49	0	0	3	108	0	0	0	0	6	23	576	7,761	624	9,532
9:00am	13	650	16	36	0	0	7	110	0	0	0	0	7	21	634	10,863	677	11,481
10:00am	10	410	15	41	0	0	5	73	0	0	0	0	8	28	315	4,090	353	4,901
11:00am	8	290	17	60	0	0	10	166	2	12	0	0	8	40	178	2,663	223	3,143
12:00pm	8	315	17	79	0	0	9	242	4	24	0	0	9	54	130	2,449	177	3,286
1:00pm	8	342	17	104	0	0	10	301	4	18	0	0	9	92	151	3,273	199	4,211
2:00pm	8	383	19	156	0	0	24	761	5	73	0	0	10	153	166	4,708	232	6,334
3:00pm	9	393	23	305	1	26	54	1,503	8	172	0	0	14	275	275	8,748	384	11,707
4:00pm	10	368	39	513	1	19	87	2,638	14	293	7	149	49	1,030	364	13,635	571	18,651
5:00pm	11	410	65	924	2	30	129	3,949	21	460	10	193	86	1,843	665	27,115	989	35,336
6:00pm	12	383	46	641	2	15	96	2,202	17	241	8	145	70	1,143	438	17,467	689	22,330
7:00pm	9	210	30	364	1	10	49	950	8	140	5	65	37	477	364	12,750	503	15,291
8:00pm	6	155	20	282	1	13	25	645	7	95	0	0	11	204	256	8,675	326	10,248
9:00pm	6	172	18	203	0	0	19	499	3	36	0	0	8	105	160	4,849	214	5,869
10:00pm	5	133	15	183	0	0	17	380	4	39	0	0	7	92	113	3,864	161	4,713
11:00pm	3	65	14	205	0	0	13	315	2	26	0	0	7	56	98	3,025	137	3,784
TOTAL	170	7,102	420	4,383	8	113	583	15,450	101	1,652	30	552	349	5,648	5,753	146,150	7,414	183,167

Notes:

- See note on page III-0.
- Majority of buses crossing at the 60th Street, Brooklyn, and Queens sectors belong to MTA NYCT, MTA Bus Co., and Westchester Bee Line. These bus volumes are derived from schedule and only these buses are included at the crossings.
- Lincoln and Holland Tunnels' (NJ Sector) counts include all 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 2023 Continuous Bus Survey - adjusted estimates.
- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION A
MTA BUS CO. EXPRESS BUS RIDERSHIP
BY ROUTE - ORIGINAL DATA
2023

Route	Daily	12am-6am	6am-9am	9am-4pm	4pm-7pm	7pm-12am
BM1	1,132	32	443	196	340	121
BM2	951	10	374	160	276	131
BM3	798	45	312	156	220	65
BM4	586	0	283	113	171	19
BM5	807	0	285	154	251	117
BxM1	397	2	112	145	84	54
BxM10	1,076	30	260	266	301	219
BxM11	715	18	150	171	209	167
BxM18	218	0	119	0	90	9
BxM2	284	13	33	88	78	72
BxM3	435	16	149	89	112	69
BXM4	276	7	47	80	79	63
BxM6	532	14	133	131	131	123
BXM7	1,777	106	460	401	471	339
BxM8	1,256	17	390	260	405	184
BxM9	1,402	71	446	359	367	159
QM1	260	0	175	0	80	5
QM10	189	0	117	20	47	5
QM11	461	0	247	40	174	0
QM12	223	0	158	6	55	4
QM15	1,648	0	786	283	441	138
QM16	451	0	261	0	181	9
QM17	419	0	223	0	181	15
QM18	191	0	97	12	71	11
QM2	1,041	0	333	262	310	136
QM20	876	0	411	128	250	87
QM21	203	0	94	13	63	33
QM24	510	0	318	40	138	14
QM25	380	0	208	28	133	11
QM3	132	0	85	0	47	0
QM31	124	0	40	7	77	0
QM32	300	0	156	19	119	6
QM34	504	0	273	31	192	8
QM35	339	0	195	22	113	9
QM36	124	0	78	0	46	0
QM4	504	6	210	123	104	61
QM40	149	0	61	11	67	10
QM42	178	0	102	17	51	8
QM44	140	0	82	16	42	0
QM5	1,297	37	405	334	361	160
QM6	789	6	296	169	232	86
QM7	579	24	326	80	127	22
QM8	459	0	220	0	213	26
Total	25,112	454	9,953	4,430	7,500	2,775

Notes:

- See note on page III-0.

- 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, 2023-INBOUND

HOURS	60TH STREET SECTOR			BROOKLYN SECTOR			QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL ALL SECTORS		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	31	286	1,894	31	272	2,230	14	139	670	2	15	68	78	712	4,862
1:00am	17	154	651	26	226	1,347	11	109	381	2	15	95	56	504	2,474
2:00am	19	174	573	27	232	1,316	12	117	355	4	30	95	62	553	2,339
3:00am	26	242	1,201	20	174	1,397	11	107	581	2	15	76	59	538	3,255
4:00am	24	224	4,162	28	244	3,976	15	148	3,074	4	30	217	71	646	11,429
5:00am	40	374	12,857	43	374	13,629	20	200	11,273	5	38	835	108	986	38,594
6:00am	72	668	27,767	85	738	32,967	49	491	24,470	24	179	3,754	230	2,076	88,958
7:00am	101	948	52,488	120	1,058	62,208	68	683	43,301	36	268	11,186	325	2,957	169,183
8:00am	121	1,132	65,410	142	1,254	79,275	73	727	46,474	40	295	23,920	376	3,408	215,079
9:00am	99	920	43,248	127	1,118	57,307	63	623	33,845	38	282	15,965	327	2,943	150,365
10:00am	95	876	27,997	118	1,038	33,735	47	458	18,464	20	146	5,517	280	2,518	85,713
11:00am	84	776	22,987	106	934	23,883	46	449	13,506	16	115	3,743	252	2,274	64,119
12:00pm	87	808	23,491	112	986	22,461	32	306	9,831	16	115	3,106	247	2,215	58,889
1:00pm	92	852	25,604	104	916	21,541	29	272	9,566	16	115	2,483	241	2,155	59,194
2:00pm	82	756	29,463	100	876	23,661	50	489	15,243	16	115	2,414	248	2,236	70,781
3:00pm	82	760	37,057	112	986	25,908	51	492	15,224	21	151	2,453	266	2,389	80,642
4:00pm	114	1,060	43,263	132	1,170	30,157	61	605	14,885	31	228	3,565	338	3,063	91,870
5:00pm	111	1,016	44,542	134	1,196	30,742	64	641	14,862	38	281	5,469	347	3,134	95,615
6:00pm	99	910	34,696	123	1,090	24,452	58	572	11,161	38	282	4,112	318	2,854	74,421
7:00pm	89	820	20,728	117	1,034	14,158	56	554	6,469	29	214	1,881	291	2,622	43,236
8:00pm	77	706	13,965	106	938	9,872	45	446	4,551	22	160	872	250	2,250	29,260
9:00pm	62	572	10,979	92	808	7,247	43	425	3,527	20	146	594	217	1,951	22,347
10:00pm	48	444	7,964	78	680	10,607	34	342	2,425	16	116	443	176	1,582	21,439
11:00pm	37	342	4,262	45	394	4,161	27	272	1,469	8	58	303	117	1,066	10,195
TOTAL	1,709	15,820	557,249	2,128	18,736	538,237	979	9,667	305,607	464	3,409	93,166	5,280	47,632	1,494,259

Notes: - See note on page III-0.
- 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, 2023-OUTBOUND

HOURS	60TH STREET SECTOR			BROOKLYN SECTOR			QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL ALL SECTORS		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	30	282	6,648	31	270	6,245	20	199	4,401	3	22	684	84	773	17,978
1:00am	24	220	2,564	24	210	2,351	13	132	1,806	3	23	442	64	585	7,163
2:00am	21	190	1,317	22	190	1,211	12	115	790	3	22	212	58	517	3,530
3:00am	24	222	958	23	200	746	12	117	533	3	23	127	62	562	2,364
4:00am	23	214	1,247	23	204	1,141	9	89	815	3	22	103	58	529	3,306
5:00am	27	252	8,112	38	342	5,124	15	151	3,245	6	45	224	86	790	16,705
6:00am	54	496	21,962	81	718	12,285	33	334	6,557	26	194	895	194	1,742	41,699
7:00am	80	732	36,875	123	1,104	18,105	57	579	8,752	37	275	2,358	297	2,690	66,090
8:00am	120	1,100	35,008	134	1,194	18,077	73	728	8,700	39	288	3,741	366	3,310	65,526
9:00am	114	1,068	25,120	144	1,278	14,351	56	553	6,555	34	250	1,804	348	3,149	47,830
10:00am	102	946	20,249	116	1,020	11,913	49	480	5,576	18	129	991	285	2,575	38,729
11:00am	86	800	17,263	106	930	12,602	49	474	6,207	16	115	1,088	257	2,319	37,160
12:00pm	90	828	18,714	103	902	14,670	49	473	8,039	16	115	1,410	258	2,318	42,833
1:00pm	86	794	22,180	101	882	19,120	32	308	9,558	16	115	1,757	235	2,099	52,615
2:00pm	83	766	29,433	107	942	26,344	40	386	15,456	16	115	2,570	246	2,209	73,803
3:00pm	84	770	37,388	95	828	37,089	53	517	25,049	22	160	5,711	254	2,275	105,237
4:00pm	92	852	47,482	124	1,102	55,507	63	623	35,281	36	268	10,821	315	2,845	149,091
5:00pm	116	1,088	62,073	146	1,286	75,689	72	717	44,783	39	288	19,214	373	3,379	201,759
6:00pm	103	962	48,619	127	1,112	63,048	60	598	34,738	39	289	14,505	329	2,961	160,910
7:00pm	101	932	30,417	117	1,032	40,794	56	552	21,497	29	216	7,764	303	2,732	100,472
8:00pm	85	786	23,601	112	982	29,212	49	483	15,923	22	160	5,768	268	2,411	74,504
9:00pm	76	708	19,446	91	792	23,242	46	453	12,435	18	131	3,910	231	2,084	59,033
10:00pm	61	564	18,726	77	670	18,845	40	394	11,261	16	116	3,170	194	1,744	52,002
11:00pm	43	400	11,593	49	424	11,085	27	271	7,955	7	52	2,045	126	1,147	32,678
TOTAL	1,725	15,972	546,995	2,114	18,614	518,796	985	9,726	295,912	467	3,433	91,314	5,291	47,745	1,453,017

Notes: - See note on page III-0.
- 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, 2023-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	31	286	1,894	31	272	2,230	14	139	670	76	697	4,794
1:00am	17	154	651	26	226	1,347	11	109	381	54	489	2,379
2:00am	19	174	573	27	232	1,316	12	117	355	58	523	2,244
3:00am	26	242	1,201	20	174	1,397	11	107	581	57	523	3,179
4:00am	24	224	4,162	28	244	3,976	15	148	3,074	67	616	11,212
5:00am	40	374	12,857	43	374	13,629	20	200	11,273	103	948	37,759
6:00am	72	668	27,767	85	738	32,967	49	491	24,470	206	1,897	85,204
7:00am	101	948	52,488	120	1,058	62,208	68	683	43,301	289	2,689	157,997
8:00am	121	1,132	65,410	142	1,254	79,275	73	727	46,474	336	3,113	191,159
9:00am	99	920	43,248	127	1,118	57,307	63	623	33,845	289	2,661	134,400
10:00am	95	876	27,997	118	1,038	33,735	47	458	18,464	260	2,372	80,196
11:00am	84	776	22,987	106	934	23,883	46	449	13,506	236	2,159	60,376
12:00pm	87	808	23,491	112	986	22,461	32	306	9,831	231	2,100	55,783
1:00pm	92	852	25,604	104	916	21,541	29	272	9,566	225	2,040	56,711
2:00pm	82	756	29,463	100	876	23,661	50	489	15,243	232	2,121	68,367
3:00pm	82	760	37,057	112	986	25,908	51	492	15,224	245	2,238	78,189
4:00pm	114	1,060	43,263	132	1,170	30,157	61	605	14,885	307	2,835	88,305
5:00pm	111	1,016	44,542	134	1,196	30,742	64	641	14,862	309	2,853	90,146
6:00pm	99	910	34,696	123	1,090	24,452	58	572	11,161	280	2,572	70,309
7:00pm	89	820	20,728	117	1,034	14,158	56	554	6,469	262	2,408	41,355
8:00pm	77	706	13,965	106	938	9,872	45	446	4,551	228	2,090	28,388
9:00pm	62	572	10,979	92	808	7,247	43	425	3,527	197	1,805	21,753
10:00pm	48	444	7,964	78	680	10,607	34	342	2,425	160	1,466	20,996
11:00pm	37	342	4,262	45	394	4,161	27	272	1,469	109	1,008	9,892
TOTAL	1,709	15,820	557,249	2,128	18,736	538,237	979	9,667	305,607	4,816	44,223	1,401,093

Notes: - See note on page III-0.
- 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, 2023-OUTBOUND

HOURS	60TH STREET SECTOR			BROOKLYN SECTOR			QUEENS SECTOR			ALL SECTORS		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	30	282	6,648	31	270	6,245	20	199	4,401	81	751	17,294
1:00am	24	220	2,564	24	210	2,351	13	132	1,806	61	562	6,721
2:00am	21	190	1,317	22	190	1,211	12	115	790	55	495	3,318
3:00am	24	222	958	23	200	746	12	117	533	59	539	2,237
4:00am	23	214	1,247	23	204	1,141	9	89	815	55	507	3,203
5:00am	27	252	8,112	38	342	5,124	15	151	3,245	80	745	16,481
6:00am	54	496	21,962	81	718	12,285	33	334	6,557	168	1,548	40,804
7:00am	80	732	36,875	123	1,104	18,105	57	579	8,752	260	2,415	63,732
8:00am	120	1,100	35,008	134	1,194	18,077	73	728	8,700	327	3,022	61,785
9:00am	114	1,068	25,120	144	1,278	14,351	56	553	6,555	314	2,899	46,026
10:00am	102	946	20,249	116	1,020	11,913	49	480	5,576	267	2,446	37,738
11:00am	86	800	17,263	106	930	12,602	49	474	6,207	241	2,204	36,072
12:00pm	90	828	18,714	103	902	14,670	49	473	8,039	242	2,203	41,423
1:00pm	86	794	22,180	101	882	19,120	32	308	9,558	219	1,984	50,858
2:00pm	83	766	29,433	107	942	26,344	40	386	15,456	230	2,094	71,233
3:00pm	84	770	37,388	95	828	37,089	53	517	25,049	232	2,115	99,526
4:00pm	92	852	47,482	124	1,102	55,507	63	623	35,281	279	2,577	138,270
5:00pm	116	1,088	62,073	146	1,286	75,689	72	717	44,783	334	3,091	182,545
6:00pm	103	962	48,619	127	1,112	63,048	60	598	34,738	290	2,672	146,405
7:00pm	101	932	30,417	117	1,032	40,794	56	552	21,497	274	2,516	92,708
8:00pm	85	786	23,601	112	982	29,212	49	483	15,923	246	2,251	68,736
9:00pm	76	708	19,446	91	792	23,242	46	453	12,435	213	1,953	55,123
10:00pm	61	564	18,726	77	670	18,845	40	394	11,261	178	1,628	48,832
11:00pm	43	400	11,593	49	424	11,085	27	271	7,955	119	1,095	30,633
TOTAL	1,725	15,972	546,995	2,114	18,614	518,796	985	9,726	295,912	4,824	44,312	1,361,703

Notes: - See note on page III-0.
- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION B

SUBWAY BY LOCATION

60TH STREET SECTOR, 2023-INBOUND

HOURS	LEXINGTON AVE EXPRESS			LEXINGTON AVE LOCAL			2ND AVENUE LOCAL			8TH AVENUE EXPRESS			8TH AVENUE LOCAL			B'WAY/7TH AVE EXPRESS			B'WAY/7TH AVE LOCAL			TOTAL		
	86 ST. - LEXINGTON AVE VIA 4, 5 LINES (Express)			68TH ST./LEXINGTON AVE VIA 4*, 6 LINES (Local)			63RD ST./LEXINGTON AVE VIA Q, W LINES (Local)			125 ST./NICHOLAS ST VIA A*, D LINES (Express)			72 ST./CENT. PK WEST VIA A, B, C LINES (Local)			72 ND ST./BROADWAY VIA 2, 3, LINES (Express)			66TH ST./BROADWAY VIA 1, 2 LINES (Local)			60TH STREET SECTOR		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	2	20	198	5	50	368	4	32	286	8	64	311	0	0	0	3	30	80	9	90	651	31	286	1,894
1:00am	0	0	0	6	60	243	3	24	80	5	40	205	0	0	0	0	0	0	3	30	123	17	154	651
2:00am	0	0	0	6	60	205	2	16	25	6	48	170	0	0	0	0	0	0	5	50	173	19	174	573
3:00am	0	0	0	7	70	562	3	24	36	6	48	311	0	0	0	4	40	31	6	60	261	26	242	1,201
4:00am	0	0	0	7	70	1,992	3	24	68	5	40	974	0	0	0	3	30	128	6	60	1,000	24	224	4,162
5:00am	7	70	3,580	5	50	1,958	4	32	330	5	40	2,467	4	32	638	8	80	2,131	7	70	1,753	40	374	12,857
6:00am	17	170	9,493	10	100	3,156	6	48	1,323	12	96	6,198	8	64	1,164	12	120	3,707	7	70	2,726	72	668	27,767
7:00am	23	230	13,861	16	160	6,355	7	56	4,207	14	112	10,478	10	80	3,234	20	200	9,121	11	110	5,232	101	948	52,488
8:00am	24	240	12,559	19	190	8,268	10	80	8,200	17	136	11,291	12	96	5,370	22	220	12,909	17	170	6,813	121	1,132	65,410
9:00am	16	160	7,005	17	170	6,741	8	64	5,598	16	128	7,740	11	88	3,261	17	170	7,170	14	140	5,733	99	920	43,248
10:00am	15	150	5,738	16	160	3,758	8	64	3,059	13	104	4,621	16	128	2,299	16	160	4,954	11	110	3,568	95	876	27,997
11:00am	14	140	4,533	15	150	3,379	7	56	2,267	12	96	4,292	13	104	1,962	14	140	3,131	9	90	3,423	84	776	22,987
12:00pm	15	150	4,333	15	150	3,450	7	56	2,414	13	104	3,939	11	88	2,033	15	150	3,991	11	110	3,331	87	808	23,491
1:00pm	16	160	5,331	15	150	3,661	8	64	2,565	13	104	4,165	13	104	2,141	17	170	4,431	10	100	3,310	92	852	25,604
2:00pm	16	160	6,245	14	140	4,682	7	56	3,175	13	104	4,708	12	96	2,832	10	100	3,791	10	100	4,030	82	756	29,463
3:00pm	17	170	6,762	16	160	6,957	7	56	4,637	11	88	5,453	12	96	3,698	8	80	2,846	11	110	6,704	82	760	37,057
4:00pm	25	250	8,713	17	170	7,373	8	64	4,414	18	144	5,892	14	112	4,565	18	180	6,378	14	140	5,928	114	1,060	43,263
5:00pm	20	200	7,331	19	190	8,759	9	72	6,433	24	192	6,193	14	112	4,273	12	120	5,639	13	130	5,914	111	1,016	44,542
6:00pm	15	150	5,089	14	140	6,429	9	72	5,342	18	144	4,620	13	104	3,004	16	160	5,495	14	140	4,717	99	910	34,696
7:00pm	17	170	3,103	12	120	3,782	9	72	3,443	16	128	2,494	10	80	1,567	14	140	2,784	11	110	3,555	89	820	20,728
8:00pm	10	100	1,966	11	110	2,574	8	64	1,989	14	112	1,679	10	80	879	13	130	2,162	11	110	2,716	77	706	13,965
9:00pm	7	70	1,588	8	80	1,819	7	56	1,296	10	80	1,494	7	56	620	11	110	1,899	12	120	2,263	62	572	10,979
10:00pm	5	50	1,002	8	80	1,437	5	40	995	8	64	758	5	40	523	10	100	1,201	7	70	2,048	48	444	7,964
11:00pm	5	50	557	6	60	926	5	40	648	7	56	492	2	16	154	5	50	540	7	70	945	37	342	4,262
TOTAL	286	2,860	108,987	284	2,840	88,834	154	1,232	62,830	284	2,272	90,945	197	1,576	44,217	268	2,680	84,519	236	2,360	76,917	1,709	15,820	557,249

Notes: - See note on page III-0.
 - Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.
 * Indicates service that changes from express to local during the overnight hours.

SECTION B SUBWAY BY LOCATION 60TH STREET SECTOR, 2023-OUTBOUND

HOURS	59TH ST./LEXINGTON AVE			LEXINGTON AVE LOCAL			2ND AVENUE LOCAL			8TH AVE EXPR/LOCAL			8TH AVENUE LOCAL			TIMES SQUARE			59TH ST./COLUMBUS			TOTAL		
	VIA 4 EXPRESS & LOCAL* & 5 EXPRESS			59TH ST./LEXINGTON AVE VIA 6 (Local)			57TH ST./7TH AVE VIA Q, W LINES (Local)			59TH ST./COLUMBUS CIR. VIA A (Exp./Loc), D (Express)			59TH ST./COLUMBUS CIR. VIA B, C LINES (Local)			EXPRESS VIA 2, 3, LINES			CIRCLE VIA 2*, 1 LINES - Local			60TH STREET SECTOR		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	4	40	875	5	50	1,170	3	24	227	6	48	1,623	0	0	0	6	60	1,207	6	60	1,546	30	282	6,648
1:00am	3	30	367	5	50	408	4	32	131	6	48	643	0	0	0	0	0	0	6	60	1,015	24	220	2,564
2:00am	3	30	217	3	30	197	3	24	38	7	56	406	0	0	0	0	0	0	5	50	459	21	190	1,317
3:00am	3	30	162	3	30	195	2	16	36	7	56	285	0	0	0	3	30	25	6	60	255	24	222	958
4:00am	3	30	284	3	30	237	4	32	147	4	32	194	0	0	0	3	30	25	6	60	360	23	214	1,247
5:00am	4	40	1,935	4	40	1,469	3	24	1,142	6	48	1,292	0	0	0	3	30	132	7	70	2,142	27	252	8,112
6:00am	11	110	4,958	6	60	4,023	6	48	3,172	11	88	3,216	5	40	777	9	90	3,164	6	60	2,652	54	496	21,962
7:00am	15	150	6,813	12	120	8,505	7	56	5,560	14	112	4,213	13	104	2,844	12	120	5,174	7	70	3,766	80	732	36,875
8:00am	22	220	6,246	18	180	7,294	10	80	4,687	25	200	4,384	15	120	2,919	17	170	5,520	13	130	3,958	120	1,100	35,008
9:00am	23	230	4,099	19	190	5,954	5	40	2,388	19	152	2,798	12	96	2,483	18	180	3,968	18	180	3,430	114	1,068	25,120
10:00am	21	210	3,128	16	160	4,323	10	80	2,885	14	112	2,370	13	104	2,009	16	160	3,012	12	120	2,522	102	946	20,249
11:00am	15	150	2,837	15	150	3,381	9	72	2,127	11	88	2,140	10	80	1,630	15	150	2,453	11	110	2,695	86	800	17,263
12:00pm	15	150	3,236	15	150	3,524	7	56	2,081	14	112	2,585	15	120	1,790	15	150	3,082	9	90	2,416	90	828	18,714
1:00pm	14	140	4,113	13	130	3,639	8	64	2,212	13	104	3,068	12	96	2,157	16	160	3,832	10	100	3,159	86	794	22,180
2:00pm	15	150	6,393	17	170	5,175	7	56	2,741	13	104	4,468	12	96	2,704	9	90	3,411	10	100	4,541	83	766	29,433
3:00pm	15	150	8,572	14	140	5,137	7	56	2,560	15	120	7,171	13	104	2,954	10	100	4,652	10	100	6,342	84	770	37,388
4:00pm	19	190	11,002	14	140	7,553	7	56	3,297	15	120	8,244	12	96	3,526	13	130	7,629	12	120	6,231	92	852	47,482
5:00pm	25	250	15,608	22	220	7,779	10	80	6,861	15	120	9,994	11	88	4,200	19	190	9,892	14	140	7,739	116	1,088	62,073
6:00pm	23	230	10,256	14	140	6,290	8	64	5,896	14	112	7,162	12	96	5,008	18	180	7,540	14	140	6,467	103	962	48,619
7:00pm	18	180	5,837	15	150	4,315	9	72	3,305	17	136	5,622	13	104	2,216	14	140	4,894	15	150	4,228	101	932	30,417
8:00pm	16	160	4,587	12	120	3,008	9	72	2,704	14	112	4,444	9	72	1,672	15	150	3,914	10	100	3,272	85	786	23,601
9:00pm	13	130	2,820	11	110	2,830	7	56	2,021	10	80	3,397	9	72	1,578	14	140	3,434	12	120	3,366	76	708	19,446
10:00pm	6	60	2,096	9	90	2,807	5	40	1,658	13	104	4,223	5	40	1,460	12	120	3,179	11	110	3,303	61	564	18,726
11:00pm	6	60	1,752	6	60	1,739	5	40	754	9	72	2,844	1	8	168	10	100	2,354	6	60	1,982	43	400	11,593
TOTAL	312	3,120	108,193	271	2,710	90,952	155	1,240	58,630	292	2,336	86,786	192	1,536	42,095	267	2,670	82,493	236	2,360	77,846	1,725	15,972	546,995

Notes: - See note on page III-0.
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* Indicates service that changes from express to local during the overnight hours.

SECTION B
SUBWAY BY LOCATION
BROOKLYN SECTOR, 2023-INBOUND

HOURS	14TH STREET TUNNEL			WILLIAMSBURG BRIDGE			RUTGERS ST. TUNNEL			MANHATTAN BRIDGE			MANHATTAN BRIDGE		
	BEDFORD AVENUE L LINE (LOCAL)			MARCY AVENUE J, Z, M LINES (LOCAL)			YORK AVENUE F LINE (LOCAL)			VIA DEKALB AVENUE B,D,N,Q LINES (LOCAL)			VIA PACIFIC STREET D, N LINES (EXPRESS)		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	4	32	376	5	40	738	4	40	188	3	24	106	0	0	0
1:00am	4	32	194	4	32	422	3	30	292	3	24	63	0	0	0
2:00am	3	24	93	5	40	708	3	30	113	4	32	84	1	8	8
3:00am	2	16	58	4	32	621	1	10	55	3	24	217	0	0	0
4:00am	5	40	412	4	32	729	4	40	540	3	24	593	0	0	0
5:00am	6	48	2,958	8	64	611	3	30	784	8	64	4,058	0	0	0
6:00am	10	80	4,507	11	88	2,041	5	50	2,089	14	112	5,698	9	72	5,578
7:00am	14	112	9,501	10	80	2,796	11	110	4,865	16	128	10,692	15	120	10,053
8:00am	19	152	13,495	11	88	3,412	10	100	6,055	18	144	12,630	17	136	11,928
9:00am	18	144	10,510	14	112	3,196	8	80	3,935	14	112	8,914	14	112	7,724
10:00am	15	120	5,714	13	104	2,584	9	90	2,630	16	128	5,002	13	104	4,636
11:00am	14	112	4,152	10	80	1,480	7	70	2,224	12	96	3,448	13	104	2,985
12:00pm	13	104	3,745	12	96	2,192	8	80	1,752	14	112	3,235	14	112	2,863
1:00pm	12	96	3,580	11	88	1,612	7	70	1,781	14	112	2,907	12	96	2,757
2:00pm	12	96	3,846	11	88	2,587	6	60	2,205	13	104	3,276	13	104	3,105
3:00pm	12	96	4,038	13	104	2,334	8	80	2,501	13	104	3,409	14	112	3,836
4:00pm	14	112	4,247	14	112	4,095	14	140	3,588	15	120	3,413	16	128	3,675
5:00pm	16	128	4,709	14	112	2,809	11	110	3,719	15	120	3,990	13	104	3,246
6:00pm	17	136	3,988	13	104	2,926	9	90	2,917	14	112	2,876	12	96	2,358
7:00pm	16	128	2,844	13	104	1,277	12	120	2,209	20	160	1,909	7	56	742
8:00pm	15	120	1,778	11	88	1,381	8	80	1,268	19	152	1,332	5	40	454
9:00pm	15	120	1,555	11	88	501	9	90	897	16	128	1,258	2	16	138
10:00pm	12	96	2,021	12	96	1,012	6	60	671	15	120	2,371	0	0	0
11:00pm	6	48	952	7	56	588	5	50	459	8	64	576	0	0	0
TOTAL	274	2,192	89,273	241	1,928	42,652	171	1,710	47,737	290	2,320	82,057	190	1,520	66,086

Notes: - See note on page III-0.
- 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, 2023-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	5	40	316	4	40	224	2	16	43	4	40	239	31	272	2,230
1:00am	3	24	104	2	20	108	3	24	56	4	40	108	26	226	1,347
2:00am	3	24	72	2	20	86	3	24	24	3	30	128	27	232	1,316
3:00am	3	24	167	0	0	0	4	38	80	3	30	199	20	174	1,397
4:00am	3	24	407	0	0	0	6	54	317	3	30	978	28	244	3,976
5:00am	4	32	1,454	4	40	1,299	5	46	460	5	50	2,005	43	374	13,629
6:00am	12	96	5,249	9	90	2,971	5	50	812	10	100	4,022	85	738	32,967
7:00am	16	128	8,771	13	130	5,625	7	70	2,008	18	180	7,897	120	1,058	62,208
8:00am	18	144	12,610	18	180	7,038	9	90	2,554	22	220	9,553	142	1,254	79,275
9:00am	16	128	9,179	18	180	5,619	6	60	2,059	19	190	6,171	127	1,118	57,307
10:00am	14	112	6,061	15	150	3,589	5	50	691	18	180	2,828	118	1,038	33,735
11:00am	14	112	3,909	15	150	2,189	7	70	498	14	140	2,998	106	934	23,883
12:00pm	14	112	3,829	15	150	1,778	7	70	480	15	150	2,587	112	986	22,461
1:00pm	13	104	3,664	16	160	2,148	6	60	441	13	130	2,651	104	916	21,541
2:00pm	13	104	3,656	12	120	1,696	5	50	399	15	150	2,891	100	876	23,661
3:00pm	15	120	4,599	9	90	1,538	8	80	840	20	200	2,813	112	986	25,908
4:00pm	16	128	4,292	13	130	2,562	12	120	814	18	180	3,471	132	1,170	30,157
5:00pm	14	112	4,774	19	190	2,878	9	90	825	23	230	3,792	134	1,196	30,742
6:00pm	14	112	3,785	16	160	2,271	8	80	551	20	200	2,780	123	1,090	24,452
7:00pm	12	96	1,834	15	150	1,297	6	60	313	16	160	1,733	117	1,034	14,158
8:00pm	11	88	1,397	14	140	910	7	70	196	16	160	1,156	106	938	9,872
9:00pm	12	96	1,182	13	130	935	6	60	135	8	80	646	92	808	7,247
10:00pm	11	88	1,076	12	120	2,095	4	40	177	6	60	1,184	78	680	10,607
11:00pm	3	24	297	5	50	582	6	52	110	5	50	597	45	394	4,161
TOTAL	259	2,072	82,684	259	2,590	49,438	146	1,424	14,883	298	2,980	63,427	2,128	18,736	538,237

Notes: - See note on page III-0.
- 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, 2023-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	1,125	3	24	733	4	40	685	4	32	613	0	0	0
1:00am	4	32	501	3	24	278	3	30	250	3	24	258	0	0	0
2:00am	3	24	250	3	24	154	3	30	119	3	24	148	0	0	0
3:00am	2	16	84	3	24	98	2	20	46	3	24	102	5	44	61
4:00am	2	16	101	3	24	151	4	40	162	3	24	233	5	46	71
5:00am	5	40	935	2	16	185	4	40	601	4	32	746	6	54	186
6:00am	9	72	1,621	9	72	689	6	60	1,192	8	64	1,381	5	50	349
7:00am	13	104	2,152	13	104	1,076	9	90	1,970	12	96	2,531	10	100	856
8:00am	19	152	2,238	15	120	868	11	110	2,271	15	120	2,333	9	90	1,001
9:00am	18	144	1,915	15	120	716	12	120	1,958	16	128	1,660	9	90	399
10:00am	16	128	1,838	12	96	680	10	100	1,492	13	104	1,255	6	60	315
11:00am	14	112	2,033	12	96	687	7	70	1,195	13	104	1,748	5	50	368
12:00pm	12	96	2,611	11	88	854	3	30	684	15	120	2,636	6	60	392
1:00pm	13	104	3,521	13	104	1,326	3	30	827	12	96	2,794	3	30	329
2:00pm	12	96	4,480	9	72	1,748	5	50	1,515	15	120	3,852	5	50	831
3:00pm	12	96	6,458	13	104	3,085	4	40	1,929	11	88	6,050	12	120	1,994
4:00pm	12	96	8,544	13	104	4,436	9	90	4,054	16	128	8,534	7	70	2,029
5:00pm	17	136	12,208	17	136	5,970	13	130	6,372	16	128	11,925	9	90	3,361
6:00pm	16	128	11,173	12	96	4,582	9	90	4,489	17	136	9,908	7	70	2,040
7:00pm	16	128	8,206	12	96	3,018	12	120	3,808	15	120	7,285	7	70	983
8:00pm	16	128	5,727	12	96	2,254	10	100	2,513	12	96	4,162	5	50	595
9:00pm	14	112	4,609	13	104	1,766	6	60	1,894	12	96	3,912	6	60	438
10:00pm	14	112	4,039	11	88	1,760	6	60	1,769	5	40	2,088	6	60	344
11:00pm	7	56	2,149	7	56	1,166	5	50	1,022	5	40	1,545	5	46	328
TOTAL	271	2,168	88,518	236	1,888	38,280	160	1,600	42,817	248	1,984	77,699	138	1,360	17,270

Notes: - See note on page III-0.
- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.
* Indicates service that changes from express to local during the overnight hours.

SECTION B

SUBWAY BY LOCATION

BROOKLYN SECTOR, 2023-OUTBOUND (CONT'D)

HOURS	CRANBERRY ST. TUNNEL			CLARK ST. TUNNEL			JORALEMON ST. TUNNEL			MANHATTAN BRIDGE			TOTAL		
	VIA BROADWAY/NASSAU A, C LINES			VIA WALL STREET 2, 3 LINES			VIA BOWLING GREEN 4, 5 LINES			VIA GRAND ST (N/Q) EXPRESS VIA CANAL ST (N) EXPRESS			BROOKLYN SECTOR		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	5	40	885	3	30	530	4	40	1,016	3	24	658	31	270	6,245
1:00am	2	16	198	3	30	288	3	30	263	3	24	315	24	210	2,351
2:00am	4	32	213	2	20	138	2	20	99	2	16	90	22	190	1,211
3:00am	4	32	192	0	0	0	4	40	163	0	0	0	23	200	746
4:00am	3	24	195	0	0	0	3	30	228	0	0	0	23	204	1,141
5:00am	3	24	408	6	60	636	6	60	894	2	16	533	38	342	5,124
6:00am	11	88	1,989	11	110	963	13	130	2,281	9	72	1,820	81	718	12,285
7:00am	12	96	2,760	19	190	1,764	22	220	2,826	13	104	2,170	123	1,104	18,105
8:00am	11	88	2,731	20	200	1,832	21	210	2,502	13	104	2,301	134	1,194	18,077
9:00am	16	128	2,751	20	200	1,571	22	220	1,600	16	128	1,781	144	1,278	14,351
10:00am	15	120	2,113	16	160	1,211	14	140	1,442	14	112	1,567	116	1,020	11,913
11:00am	14	112	2,363	14	140	831	15	150	1,531	12	96	1,846	106	930	12,602
12:00pm	13	104	2,626	15	150	1,480	15	150	1,504	13	104	1,883	103	902	14,670
1:00pm	14	112	3,999	16	160	1,600	15	150	1,935	12	96	2,789	101	882	19,120
2:00pm	14	112	4,960	15	150	2,189	18	180	2,483	14	112	4,286	107	942	26,344
3:00pm	13	104	6,304	5	50	1,422	13	130	3,625	12	96	6,222	95	828	37,089
4:00pm	15	120	8,623	16	160	4,843	23	230	6,042	13	104	8,402	124	1,102	55,507
5:00pm	19	152	11,441	15	150	6,092	22	220	7,779	18	144	10,541	146	1,286	75,689
6:00pm	16	128	9,491	15	150	5,419	17	170	7,118	18	144	8,828	127	1,112	63,048
7:00pm	14	112	5,307	13	130	2,859	16	160	4,265	12	96	5,063	117	1,032	40,794
8:00pm	17	136	5,153	13	130	2,126	15	150	2,918	12	96	3,764	112	982	29,212
9:00pm	10	80	3,446	13	130	2,207	7	70	1,819	10	80	3,151	91	792	23,242
10:00pm	9	72	2,662	9	90	1,795	6	60	1,166	11	88	3,222	77	670	18,845
11:00pm	5	40	1,539	4	40	930	4	40	953	7	56	1,453	49	424	11,085
TOTAL	259	2,072	82,349	263	2,630	42,726	300	3,000	56,452	239	1,912	72,685	2,114	18,614	518,796

Notes: - See note on page III-0.
- 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, 2023 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	24	142	3	30	136	5	55	315	3	30	77	14	139	670
1:00am	2	16	53	3	30	124	3	33	139	3	30	65	11	109	381
2:00am	3	24	101	3	30	90	3	33	104	3	30	60	12	117	355
3:00am	3	24	191	2	20	91	3	33	202	3	30	97	11	107	581
4:00am	3	24	467	4	40	829	4	44	1037	4	40	741	15	148	3074
5:00am	5	44	2,050	4	40	2,265	6	66	3,268	5	50	3,690	20	200	11,273
6:00am	16	144	7,052	8	80	6,118	17	187	5,676	8	80	5,624	49	491	24,470
7:00am	21	188	14,972	12	120	10,690	25	275	10,138	10	100	7,501	68	683	43,301
8:00am	25	220	14,872	11	110	9,401	27	297	12,242	10	100	9,959	73	727	46,474
9:00am	20	174	10,884	12	120	6,634	19	209	8,409	12	120	7,918	63	623	33,845
10:00am	17	146	5,667	9	90	3,616	12	132	4,132	9	90	5,049	47	458	18,464
11:00am	17	148	4,941	11	110	3,492	11	121	2,055	7	70	3,018	46	449	13,506
12:00pm	18	154	5,864	1	10	157	12	132	3,481	1	10	329	32	306	9,831
1:00pm	19	162	5,593	0	0	0	10	110	3,973	0	0	0	29	272	9,566
2:00pm	23	204	5,048	7	70	4,174	15	165	3,540	5	50	2,481	50	489	15,243
3:00pm	22	190	4,708	11	110	4,739	12	132	3,278	6	60	2,499	51	492	15,224
4:00pm	21	186	4,474	11	110	3,604	19	209	4,240	10	100	2,567	61	605	14,885
5:00pm	19	166	4,157	8	80	3,280	25	275	4,252	12	120	3,173	64	641	14,862
6:00pm	21	182	3,621	7	70	2,455	20	220	3,079	10	100	2,006	58	572	11,161
7:00pm	19	166	1,964	6	60	1,328	18	198	1,704	13	130	1,473	56	554	6,469
8:00pm	16	138	1,383	5	50	1,068	18	198	1,192	6	60	908	45	446	4,551
9:00pm	15	132	954	9	90	856	13	143	1,254	6	60	463	43	425	3,527
10:00pm	10	90	646	6	60	441	12	132	954	6	60	384	34	342	2,425
11:00pm	5	42	363	6	60	261	10	110	613	6	60	232	27	272	1,469
TOTAL	343	2,988	100,167	159	1,590	65,849	319	3,509	79,277	158	1,580	60,314	979	9,667	305,607

Notes: - See note on page III-0
- 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, 2023-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	32	1,056	5	50	739	7	77	1,959	4	40	647	20	199	4,401
1:00am	1	8	112	4	40	380	4	44	843	4	40	471	13	132	1,806
2:00am	4	32	172	3	30	110	3	33	339	2	20	169	12	115	790
3:00am	3	24	103	3	30	75	3	33	155	3	30	200	12	117	533
4:00am	2	16	151	2	20	198	3	33	334	2	20	132	9	89	815
5:00am	2	16	386	4	40	905	5	55	1,515	4	40	439	15	151	3,245
6:00am	9	78	1,659	5	50	1,663	16	176	2,320	3	30	915	33	334	6,557
7:00am	14	124	1,952	8	80	2,378	25	275	2,752	10	100	1,670	57	579	8,752
8:00am	22	190	2,414	12	120	2,423	28	308	2,708	11	110	1,155	73	728	8,700
9:00am	20	176	2,005	12	120	2,034	17	187	1,790	7	70	726	56	553	6,555
10:00am	16	138	1,537	12	120	1,832	12	132	1,339	9	90	868	49	480	5,576
11:00am	20	172	2,229	9	90	1,763	12	132	1,230	8	80	985	49	474	6,207
12:00pm	22	192	2,705	10	100	2,859	11	121	1,405	6	60	1,070	49	473	8,039
1:00pm	17	146	3,388	0	0	0	12	132	3,169	3	30	3,001	32	308	9,558
2:00pm	19	164	5,855	2	20	565	12	132	4,080	7	70	4,956	40	386	15,456
3:00pm	22	192	8,052	9	90	6,416	15	165	5,474	7	70	5,107	53	517	25,049
4:00pm	21	184	9,394	11	110	8,556	19	209	8,879	12	120	8,452	63	623	35,281
5:00pm	26	234	13,115	10	100	9,224	23	253	11,282	13	130	11,162	72	717	44,783
6:00pm	20	176	10,860	9	90	8,337	22	242	8,808	9	90	6,733	60	598	34,738
7:00pm	20	174	6,066	6	60	4,081	18	198	6,058	12	120	5,292	56	552	21,497
8:00pm	18	158	3,999	6	60	3,375	15	165	4,462	10	100	4,087	49	483	15,923
9:00pm	17	148	3,612	6	60	2,205	15	165	4,987	8	80	1,631	46	453	12,435
10:00pm	14	122	2852	7	70	1858	12	132	4,622	7	70	1,929	40	394	11,261
11:00pm	8	72	1818	5	50	1705	9	99	3,475	5	50	957	27	271	7,955
TOTAL	341	2,968	85,492	160	1,600	63,681	318	3,498	83,985	166	1,660	62,754	985	9,726	295,912

Notes: - See note on page III-0
- 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, 2023-INBOUND

HOURS	DOWNTOWN PATH			UPTOWN PATH			TOTAL		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	1	8	49	1	7	19	2	15	68
1:00am	1	8	62	1	7	33	2	15	95
2:00am	2	16	51	2	14	44	4	30	95
3:00am	1	8	39	1	7	37	2	15	76
4:00am	2	16	155	2	14	62	4	30	217
5:00am	3	24	562	2	14	273	5	38	835
6:00am	13	102	2,237	11	77	1,517	24	179	3,754
7:00am	18	142	6,685	18	126	4,501	36	268	11,186
8:00am	20	155	13,234	20	140	10,686	40	295	23,920
9:00am	19	149	7,708	19	133	8,257	38	282	15,965
10:00am	9	69	2,375	11	77	3,142	20	146	5,517
11:00am	7	52	1,622	9	63	2,121	16	115	3,743
12:00pm	7	52	1,297	9	63	1,809	16	115	3,106
1:00pm	7	52	1,116	9	63	1,367	16	115	2,483
2:00pm	7	52	1,092	9	63	1,322	16	115	2,414
3:00pm	9	67	1,145	12	84	1,308	21	151	2,453
4:00pm	14	109	1,615	17	119	1,950	31	228	3,565
5:00pm	19	148	2,392	19	133	3,077	38	281	5,469
6:00pm	19	149	1,673	19	133	2,439	38	282	4,112
7:00pm	15	116	737	14	98	1,144	29	214	1,881
8:00pm	11	83	404	11	77	468	22	160	872
9:00pm	11	83	284	9	63	310	20	146	594
10:00pm	8	60	234	8	56	209	16	116	443
11:00pm	4	30	200	4	28	103	8	58	303
TOTAL	227	1,750	46,968	237	1,659	46,198	464	3,409	93,166

NEW JERSEY SECTOR, 2023-OUTBOUND

HOURS	DOWNTOWN PATH			UPTOWN PATH			TOTAL		
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS
12:00am	1	8	277	2	14	407	3	22	684
1:00am	2	16	324	1	7	118	3	23	442
2:00am	1	8	65	2	14	147	3	22	212
3:00am	2	16	88	1	7	39	3	23	127
4:00am	1	8	35	2	14	68	3	22	103
5:00am	4	31	161	2	14	63	6	45	224
6:00am	16	124	579	10	70	316	26	194	895
7:00am	18	142	1,200	19	133	1,158	37	275	2,358
8:00am	20	155	2,039	19	133	1,702	39	288	3,741
9:00am	15	117	1,015	19	133	789	34	250	1,804
10:00am	7	52	565	11	77	426	18	129	991
11:00am	7	52	593	9	63	495	16	115	1,088
12:00pm	7	52	702	9	63	708	16	115	1,410
1:00pm	7	52	843	9	63	914	16	115	1,757
2:00pm	7	52	1,309	9	63	1,261	16	115	2,570
3:00pm	10	76	3,400	12	84	2,311	22	160	5,711
4:00pm	19	149	6,652	17	119	4,169	36	268	10,821
5:00pm	20	155	10,939	19	133	8,275	39	288	19,214
6:00pm	19	149	7,629	20	140	6,876	39	289	14,505
7:00pm	15	118	3,740	14	98	4,024	29	216	7,764
8:00pm	11	83	2,529	11	77	3,239	22	160	5,768
9:00pm	9	68	1,374	9	63	2,536	18	131	3,910
10:00pm	8	60	1,257	8	56	1,913	16	116	3,170
11:00pm	3	24	970	4	28	1,075	7	52	2,045
TOTAL	229	1,767	48,285	238	1,666	43,029	467	3,433	91,314

Notes:
- See note on page III-0.
- Due to rounding, numbers presented throughout this table may not add up precisely to the totals provided by the data sources.

SECTION C

SUBURBAN AND INTERCITY RAIL, TRANSIT BY SECTOR

SUMMARY, 2023-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	32	137	13	112	553	4	33	1,047	22	177	1,737
1:00am	5	36	64	12	106	466	2	17	228	19	159	758
2:00am	2	16	16	4	40	230	2	17	49	8	73	295
3:00am	0	0	0	3	28	244	0	0	0	3	28	244
4:00am	0	0	0	4	34	303	0	0	0	4	34	303
5:00am	6	40	1,388	10	90	3,232	6	53	2,144	22	183	6,764
6:00am	17	114	4,592	32	278	12,943	10	85	5,013	59	477	22,548
7:00am	37	262	14,407	44	362	20,687	16	132	12,227	97	756	47,321
8:00am	46	335	22,782	46	399	27,598	22	192	18,663	114	926	69,043
9:00am	32	217	11,999	33	272	12,483	18	134	10,358	83	623	34,840
10:00am	17	113	5,457	18	152	5,525	10	75	5,291	45	340	16,273
11:00am	8	60	2,861	17	146	3,791	9	65	3,201	34	271	9,853
12:00pm	8	64	2,373	17	146	3,368	7	55	2,705	32	265	8,446
1:00pm	9	68	2,133	17	140	3,030	10	78	3,412	36	286	8,575
2:00pm	11	82	2,051	16	129	2,845	8	64	2,297	35	275	7,193
3:00pm	11	74	1,969	16	134	2,743	7	54	2,274	34	262	6,986
4:00pm	14	94	2,872	19	159	3,932	10	78	3,544	43	331	10,348
5:00pm	15	99	3,284	20	158	3,852	10	83	4,485	45	340	11,621
6:00pm	13	93	2,761	26	222	4,806	12	97	4,388	51	412	11,955
7:00pm	14	99	1,622	17	155	2,171	9	72	2,990	40	326	6,783
8:00pm	10	68	925	17	139	2,024	11	77	2,861	38	284	5,810
9:00pm	8	54	792	15	122	1,375	7	61	1,449	30	237	3,616
10:00pm	8	51	568	15	132	1,205	8	68	1,271	31	251	3,044
11:00pm	5	34	222	14	124	866	5	34	1,126	24	192	2,214
TOTAL	301	2,105	85,275	445	3,779	120,272	203	1,624	91,023	949	7,508	296,570

SUMMARY, 2023-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	47	890	12	110	1,176	5	44	1,763	24	201	3,829
1:00am	8	51	577	8	66	365	2	16	371	18	133	1,313
2:00am	0	0	0	4	38	264	0	0	0	4	38	264
3:00am	0	0	0	4	40	217	0	0	0	4	40	217
4:00am	0	0	0	4	38	232	3	22	436	7	60	668
5:00am	5	34	193	10	90	680	7	56	946	22	180	1,819
6:00am	15	101	921	17	152	1,787	11	84	1,360	43	337	4,068
7:00am	15	100	1,868	18	154	2,448	10	73	1,954	43	327	6,270
8:00am	12	88	1,739	17	151	2,372	10	87	1,683	39	326	5,794
9:00am	12	90	1,300	18	151	1,502	11	88	2,047	41	329	4,849
10:00am	10	69	1,141	15	124	1,623	9	67	1,643	34	260	4,407
11:00am	9	62	1,128	16	135	2,188	9	68	1,674	34	265	4,990
12:00pm	8	54	1,320	15	132	2,209	8	60	1,647	31	246	5,176
1:00pm	9	62	2,024	16	135	3,368	8	64	2,566	33	261	7,958
2:00pm	13	91	3,290	18	148	6,470	11	86	3,606	42	325	13,366
3:00pm	18	124	5,637	21	189	8,880	12	91	5,152	51	404	19,669
4:00pm	28	199	10,865	41	328	18,908	16	111	11,149	85	638	40,922
5:00pm	45	313	20,207	44	386	22,111	20	174	17,171	109	873	59,489
6:00pm	35	246	12,940	41	334	14,269	20	169	13,891	96	749	41,100
7:00pm	18	116	6,376	31	280	6,801	9	75	5,214	58	471	18,391
8:00pm	13	88	4,988	15	125	4,613	11	88	4,774	39	301	14,375
9:00pm	12	87	4,354	16	131	3,766	9	73	3,117	37	291	11,237
10:00pm	8	62	3,124	15	123	4,073	8	67	3,339	31	252	10,536
11:00pm	6	37	1,717	15	130	2,112	3	25	1,269	24	192	5,098
TOTAL	306	2,121	86,599	431	3,690	112,434	212	1,688	86,772	949	7,499	285,805

Note: See note on page III-0.

SECTION C

SUBURBAN AND INTERCITY RAIL TRANSIT BY LINE

60TH STREET SECTOR, 2023-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	8	35	2	12	28	2	12	74	0	0	0	5	32	137
1:00am	1	6	20	2	14	17	2	16	27	0	0	0	5	36	64
2:00am	1	8	9	0	0	0	1	8	7	0	0	0	2	16	16
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	381	2	14	436	2	13	571	0	0	0	6	40	1,388
6:00am	4	26	899	7	46	1,954	6	42	1,739	0	0	0	17	114	4,592
7:00am	10	65	2,846	11	79	4,621	16	118	6,940	0	0	0	37	262	14,407
8:00am	12	79	4,764	14	99	7,420	19	151	10,366	1	6	232	46	335	22,782
9:00am	7	44	2,062	10	70	4,043	14	98	5,666	1	5	228	32	217	11,999
10:00am	5	34	1,176	4	26	1,508	7	48	2,527	1	5	246	17	113	5,457
11:00am	2	13	521	2	14	727	4	33	1,613	0	0	0	8	60	2,861
12:00pm	2	13	506	2	16	742	4	35	1,125	0	0	0	8	64	2,373
1:00pm	2	15	462	2	12	595	4	35	848	1	6	228	9	68	2,133
2:00pm	3	23	421	3	20	658	4	34	875	1	5	97	11	82	2,051
3:00pm	3	21	425	3	20	584	4	28	809	1	5	151	11	74	1,969
4:00pm	3	19	533	5	32	1,066	5	38	1,087	1	5	186	14	94	2,872
5:00pm	3	21	582	5	34	987	6	39	1,534	1	5	181	15	99	3,284
6:00pm	4	28	491	4	28	822	5	37	1,448	0	0	0	13	93	2,761
7:00pm	4	28	285	4	26	410	5	40	798	1	5	129	14	99	1,622
8:00pm	2	13	160	4	24	261	4	31	504	0	0	0	10	68	925
9:00pm	2	13	134	2	12	161	3	24	274	1	5	223	8	54	792
10:00pm	2	13	116	2	12	145	3	21	192	1	5	115	8	51	568
11:00pm	1	6	17	2	12	100	2	16	105	0	0	0	5	34	222
TOTAL	76	509	16,845	92	622	27,285	122	917	39,129	11	57	2,016	301	2,105	85,275

60TH STREET SECTOR, 2023-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	19	219	2	12	299	2	16	372	0	0	0	7	47	890
1:00am	1	6	54	3	20	206	4	25	317	0	0	0	8	51	577
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	6	22	3	22	151	0	0	0	5	34	193
6:00am	4	26	187	6	42	256	5	33	478	0	0	0	15	101	921
7:00am	4	28	283	6	38	616	4	29	792	1	5	177	15	100	1,868
8:00am	3	21	270	3	22	364	5	40	909	1	5	196	12	88	1,739
9:00am	3	19	235	5	38	479	4	33	586	0	0	0	12	90	1,300
10:00am	2	15	202	3	20	319	4	29	429	1	5	191	10	69	1,141
11:00am	2	15	255	2	14	262	4	28	485	1	5	126	9	62	1,128
12:00pm	2	13	317	2	12	408	4	29	595	0	0	0	8	54	1,320
1:00pm	2	13	424	2	14	580	4	29	807	1	6	213	9	62	2,024
2:00pm	3	23	771	5	32	1,128	4	31	1,206	1	5	185	13	91	3,290
3:00pm	4	28	1,147	7	45	2,101	6	46	2,274	1	5	115	18	124	5,637
4:00pm	6	42	2,336	10	66	3,232	11	85	5,050	1	6	247	28	199	10,865
5:00pm	12	80	4,310	13	89	6,452	19	139	9,225	1	5	220	45	313	20,207
6:00pm	8	53	2,367	12	84	4,127	15	109	6,446	0	0	0	35	246	12,940
7:00pm	5	34	1,272	6	38	2,379	6	39	2,530	1	5	195	18	116	6,376
8:00pm	3	19	650	4	26	1,590	5	38	2,617	1	5	131	13	88	4,988
9:00pm	5	34	1,140	3	20	1,096	4	33	2,118	0	0	0	12	87	4,354
10:00pm	3	21	753	1	6	645	4	35	1,726	0	0	0	8	62	3,124
11:00pm	2	13	365	2	12	693	2	12	659	0	0	0	6	37	1,717
TOTAL	78	528	17,577	98	656	27,254	119	880	39,772	11	57	1,996	306	2,121	86,599

Note: See note on page III-0.

SECTION C

SUBURBAN AND INTERCITY RAIL, TRANSIT BY LINE

QUEENS SECTOR, 2023-INBOUND

HOURS	MTA LIRR			AMTRAK			TOTAL		
	TRAINS	CARS	PSGRS	N.E. CORRIDOR			TRAINS	CARS	PSGRS
12:00am	13	112	553	0	0	0	13	112	553
1:00am	12	106	466	0	0	0	12	106	466
2:00am	4	40	230	0	0	0	4	40	230
3:00am	3	28	244	0	0	0	3	28	244
4:00am	4	34	303	0	0	0	4	34	303
5:00am	10	90	3,232	0	0	0	10	90	3,232
6:00am	32	278	12,943	0	0	0	32	278	12,943
7:00am	42	350	20,136	2	12	551	44	362	20,687
8:00am	45	392	27,143	1	7	455	46	399	27,598
9:00am	31	262	11,952	2	10	531	33	272	12,483
10:00am	17	144	5,090	1	8	435	18	152	5,525
11:00am	14	130	2,854	3	16	937	17	146	3,791
12:00pm	15	134	2,685	2	12	683	17	146	3,368
1:00pm	15	128	2,425	2	12	605	17	140	3,030
2:00pm	15	124	2,609	1	5	236	16	129	2,845
3:00pm	14	122	2,107	2	12	636	16	134	2,743
4:00pm	17	146	3,257	2	13	675	19	159	3,932
5:00pm	18	146	3,235	2	12	617	20	158	3,852
6:00pm	22	196	3,625	4	26	1,181	26	222	4,806
7:00pm	16	148	1,844	1	7	327	17	155	2,171
8:00pm	14	122	1,224	3	17	800	17	139	2,024
9:00pm	15	122	1,375	0	0	0	15	122	1,375
10:00pm	15	132	1,205	0	0	0	15	132	1,205
11:00pm	14	124	866	0	0	0	14	124	866
TOTAL	417	3,610	111,603	28	169	8,669	445	3,779	120,272

QUEENS SECTOR, 2023-OUTBOUND

HOURS	MTA LIRR			AMTRAK			TOTAL		
	TRAINS	CARS	PSGRS	N.E. CORRIDOR			TRAINS	CARS	PSGRS
12:00am	12	110	1,176	0	0	0	12	110	1,176
1:00am	8	66	365	0	0	0	8	66	365
2:00am	4	38	264	0	0	0	4	38	264
3:00am	4	40	217	0	0	0	4	40	217
4:00am	4	38	232	0	0	0	4	38	232
5:00am	10	90	680	0	0	0	10	90	680
6:00am	17	152	1,787	0	0	0	17	152	1,787
7:00am	18	154	2,448	0	0	0	18	154	2,448
8:00am	16	144	1,952	1	7	420	17	151	2,372
9:00am	17	146	1,223	1	5	279	18	151	1,502
10:00am	13	112	1,110	2	12	513	15	124	1,623
11:00am	14	122	1,539	2	13	649	16	135	2,188
12:00pm	15	132	2,209	0	0	0	15	132	2,209
1:00pm	14	122	2,665	2	13	703	16	135	3,368
2:00pm	17	140	6,058	1	8	412	18	148	6,470
3:00pm	18	169	7,864	3	20	1,016	21	189	8,880
4:00pm	40	323	18,641	1	5	267	41	328	18,908
5:00pm	43	381	21,820	1	5	291	44	386	22,111
6:00pm	38	315	13,312	3	19	957	41	334	14,269
7:00pm	31	280	6,801	0	0	0	31	280	6,801
8:00pm	14	118	4,211	1	7	402	15	125	4,613
9:00pm	15	126	3,510	1	5	256	16	131	3,766
10:00pm	14	116	3,717	1	7	356	15	123	4,073
11:00pm	15	130	2,112	0	0	0	15	130	2,112
TOTAL	411	3,564	105,912	20	126	6,521	431	3,690	112,434

Note: See note on page III-0.

SECTION C

SUBURBAN AND INTERCITY RAIL, TRANSIT BY LINE

NEW JERSEY SECTOR, 2023-INBOUND

HOURS	NJ TRANSIT						AMTRAK			TOTAL		
	NEC / NJCL			MIDTOWN DIRECT			N.E. CORRIDOR			TRAINS	CARS	PSGRS
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS			
12:00am	3	24	727	1	9	320	0	0	0	4	33	1,047
1:00am	2	17	228	0	0	0	0	0	0	2	17	228
2:00am	2	17	49	0	0	0	0	0	0	2	17	49
3:00am	0	0	0	0	0	0	0	0	0	0	0	0
4:00am	0	0	0	0	0	0	0	0	0	0	0	0
5:00am	4	35	1,655	2	18	489	0	0	0	6	53	2,144
6:00am	6	53	2,280	4	32	2,733	0	0	0	10	85	5,013
7:00am	10	86	8,097	4	34	3,579	2	12	551	16	132	12,227
8:00am	12	111	9,966	8	69	7,928	2	12	769	22	192	18,663
9:00am	11	87	6,505	4	32	3,007	3	15	846	18	134	10,358
10:00am	4	29	2,821	3	26	1,381	3	20	1,089	10	75	5,291
11:00am	3	24	1,315	3	25	949	3	16	937	9	65	3,201
12:00pm	3	26	1,367	2	17	655	2	12	683	7	55	2,705
1:00pm	5	45	1,827	2	16	726	3	17	859	10	78	3,412
2:00pm	4	35	1,111	2	16	530	2	13	656	8	64	2,297
3:00pm	3	25	1,022	2	17	616	2	12	636	7	54	2,274
4:00pm	5	43	2,233	2	17	444	3	18	867	10	78	3,544
5:00pm	4	36	1,658	4	35	2,210	2	12	617	10	83	4,485
6:00pm	6	55	2,696	2	16	511	4	26	1,181	12	97	4,388
7:00pm	5	42	1,805	3	23	858	1	7	327	9	72	2,990
8:00pm	4	32	1,291	2	18	539	5	27	1,031	11	77	2,861
9:00pm	4	35	808	2	19	384	1	7	257	7	61	1,449
10:00pm	5	45	727	2	18	376	1	5	168	8	68	1,271
11:00pm	1	8	549	2	16	211	2	10	366	5	34	1,126
TOTAL	106	910	50,737	56	473	28,446	41	241	11,840	203	1,624	91,023

NEW JERSEY SECTOR, 2023-OUTBOUND

HOURS	NJ TRANSIT						AMTRAK			TOTAL		
	NEC / NJCL			MIDTOWN DIRECT			N.E. CORRIDOR			TRAINS	CARS	PSGRS
	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS	TRAINS	CARS	PSGRS			
12:00am	2	17	960	3	27	803	0	0	0	5	44	1,763
1:00am	2	16	371	0	0	0	0	0	0	2	16	371
2:00am	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
4:00am	2	17	335	0	0	0	1	5	101	3	22	436
5:00am	4	34	616	1	9	102	2	13	228	7	56	946
6:00am	5	41	694	3	27	293	3	16	373	11	84	1,360
7:00am	4	34	845	3	24	436	3	15	673	10	73	1,954
8:00am	5	44	772	4	36	491	1	7	420	10	87	1,683
9:00am	5	47	891	3	24	388	3	17	768	11	88	2,047
10:00am	3	25	619	3	25	373	3	17	651	9	67	1,643
11:00am	4	34	632	2	16	331	3	18	711	9	68	1,674
12:00pm	4	33	986	2	17	348	2	10	313	8	60	1,647
1:00pm	4	35	1,249	2	16	614	2	13	703	8	64	2,566
2:00pm	5	45	2,358	2	17	396	4	24	852	11	86	3,606
3:00pm	5	44	3,076	2	17	857	5	30	1,219	12	91	5,152
4:00pm	8	54	6,864	5	40	3,431	3	17	854	16	111	11,149
5:00pm	12	110	10,502	5	46	5,699	3	18	970	20	174	17,171
6:00pm	9	84	7,438	7	61	5,192	4	24	1,261	20	169	13,891
7:00pm	6	51	3,766	3	24	1,448	0	0	0	9	75	5,214
8:00pm	6	50	2,358	3	26	1,717	2	12	699	11	88	4,774
9:00pm	5	43	1,940	2	18	579	2	12	598	9	73	3,117
10:00pm	4	33	1,828	3	27	1,155	1	7	356	8	67	3,339
11:00pm	2	19	1,113	1	6	156	0	0	0	3	25	1,269
TOTAL	106	910	50,213	59	503	24,809	47	275	11,750	212	1,688	86,772

Note: See note on page III-0.

SECTION D
AUTO, TAXI, COMMUTER VAN & TRUCK OCCUPANTS BY SECTOR
SUMMARY, 2023-INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	7,799	3,679	2,299	1,720	15,497
1:00am	4,604	2,634	1,289	1,429	9,956
2:00am	3,182	1,865	930	1,151	7,128
3:00am	3,072	1,934	1,104	1,254	7,364
4:00am	4,618	3,351	1,903	2,116	11,988
5:00am	10,406	7,663	3,985	6,785	28,839
6:00am	15,754	11,897	6,246	8,917	42,814
7:00am	19,371	12,531	7,136	8,260	47,298
8:00am	21,923	12,273	7,384	7,795	49,375
9:00am	20,698	11,720	7,273	6,207	45,898
10:00am	19,007	10,455	6,106	6,742	42,310
11:00am	18,020	9,448	5,664	5,976	39,108
12:00pm	18,120	9,498	5,739	5,910	39,267
1:00pm	18,240	9,493	5,758	5,130	38,621
2:00pm	18,628	9,959	6,392	4,982	39,961
3:00pm	19,789	9,506	6,681	4,807	40,783
4:00pm	20,457	8,875	6,858	5,318	41,508
5:00pm	21,537	9,369	6,805	5,674	43,385
6:00pm	20,564	9,057	6,940	5,523	42,084
7:00pm	19,586	8,077	6,237	5,901	39,801
8:00pm	17,640	9,005	5,125	4,431	36,201
9:00pm	15,877	8,638	4,541	4,775	33,831
10:00pm	15,632	7,489	4,350	4,415	31,886
11:00pm	12,832	6,142	3,386	3,140	25,500
TOTAL	367,356	194,558	120,131	118,358	800,403

Notes:

- See note on page III-0.
- New Jersey Sector - Lincoln and Holland Tunnels' (LHT) counts exclude small commuter buses.
- The Hub Bound volume data across the QBB was impacted by a new method of collection and construction. Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not actually in the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

SECTION D
AUTO, TAXI, COMMUTER VAN & TRUCK OCCUPANTS BY SECTOR
SUMMARY, 2023-OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	8,923	8,553	4,401	3,562	25,439
1:00am	4,889	5,065	2,684	2,200	14,838
2:00am	3,254	3,441	1,736	1,518	9,949
3:00am	2,700	2,629	1,573	1,291	8,193
4:00am	3,493	3,013	2,428	1,794	10,728
5:00am	6,340	5,262	3,858	2,525	17,985
6:00am	11,731	8,784	5,346	3,417	29,278
7:00am	16,494	9,908	5,484	4,326	36,212
8:00am	16,422	10,263	4,719	4,584	35,988
9:00am	15,599	9,421	4,471	4,198	33,689
10:00am	15,733	8,988	5,439	4,603	34,763
11:00am	15,342	9,471	6,497	5,307	36,617
12:00pm	15,510	9,738	7,259	5,838	38,345
1:00pm	16,280	10,081	7,665	7,218	41,244
2:00pm	17,834	11,517	7,918	8,394	45,663
3:00pm	18,620	12,534	8,963	8,150	48,267
4:00pm	19,096	13,538	9,630	8,142	50,406
5:00pm	19,326	13,270	9,546	7,422	49,564
6:00pm	18,475	12,936	8,740	7,937	48,088
7:00pm	18,169	12,890	9,107	7,507	47,673
8:00pm	16,896	11,939	8,539	7,014	44,388
9:00pm	16,443	11,060	7,557	6,653	41,713
10:00pm	16,331	10,984	7,252	6,475	41,042
11:00pm	13,482	10,832	6,465	3,790	34,569
TOTAL	327,382	226,117	147,277	123,865	824,641

Notes:

- See note on page III-0.
- New Jersey Sector - Lincoln and Holland Tunnels' (LHT) counts exclude small commuter buses.
- LHT westbound data are collected using miovision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound and westbound volumes.
- The Hub Bound volume data across the QBB was impacted by a new method of collection and construction. Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not actually in the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
60TH STREET SECTOR, 2023-INBOUND

HOURS	FDR DRIVE	YORK AVE	SECOND AVE	LEXINGTON AVENUE	PARK AVE	FIFTH AVENUE	BROADWAY	COLUMBUS AVENUE	WEST END AVENUE	WEST SIDE HIGHWAY	TOTAL
12:00am	2,162	153	1,918	472	238	632	351	660	158	1,055	7,799
1:00am	1,148	67	1,197	293	100	415	200	412	96	676	4,604
2:00am	816	40	869	202	59	268	114	298	55	461	3,182
3:00am	802	45	860	209	53	265	102	247	43	446	3,072
4:00am	1,387	87	1,163	244	77	395	117	294	68	786	4,618
5:00am	3,832	176	2,049	437	153	760	162	469	132	2,236	10,406
6:00am	5,286	395	2,133	572	500	1,167	328	717	359	4,297	15,754
7:00am	6,104	310	2,421	696	1,023	1,516	579	1,240	674	4,808	19,371
8:00am	6,930	320	2,383	781	1,551	1,748	969	1,627	968	4,646	21,923
9:00am	6,590	358	2,177	775	1,471	1,509	985	1,469	874	4,490	20,698
10:00am	5,597	417	2,198	708	1,373	1,358	967	1,362	731	4,296	19,007
11:00am	5,808	503	2,151	703	1,177	1,276	892	1,327	720	3,463	18,020
12:00pm	5,977	552	2,237	703	1,299	1,323	962	1,341	715	3,011	18,120
1:00pm	6,200	586	2,350	670	1,217	1,203	857	1,358	752	3,047	18,240
2:00pm	6,028	522	2,419	697	1,293	1,282	907	1,437	775	3,268	18,628
3:00pm	6,069	691	2,649	758	1,288	1,365	898	1,528	878	3,665	19,789
4:00pm	6,070	815	2,909	802	1,301	1,410	954	1,546	801	3,849	20,457
5:00pm	6,596	733	3,050	928	1,483	1,407	993	1,573	835	3,939	21,537
6:00pm	5,961	649	2,984	1,023	1,421	1,514	932	1,438	957	3,685	20,564
7:00pm	5,522	605	2,924	1,031	1,303	1,610	1,006	1,475	837	3,273	19,586
8:00pm	5,490	542	2,765	924	1,137	1,567	885	1,365	668	2,297	17,640
9:00pm	5,145	371	2,624	824	918	1,550	768	1,311	564	1,802	15,877
10:00pm	4,948	308	2,769	794	933	1,449	740	1,213	550	1,928	15,632
11:00pm	3,784	280	2,679	740	630	1,288	571	1,040	389	1,431	12,832
TOTAL	114,252	9,525	53,878	15,986	21,998	28,277	16,239	26,747	13,599	66,855	367,356

Notes: - See note on page III-0.
- Central Park South and 7th Avenue, open only to authorized vehicles and not general traffic.
- The Hub Bound volume data across the QBB was impacted by a new method of collection and construction. Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not actually in the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
60TH STREET SECTOR, 2023-OUTBOUND

HOURS	FDR DRIVE	YORK AVE	FIRST AVE	THIRD AVE	PARK AVE	MADISON AVE	EIGHTH AVE	BROADWAY	AMSTERDAM AVE	WEST END AVE	WEST SIDE HWY	TOTAL
12:00am	2,788	375	852	634	290	574	308	211	482	86	2,323	8,923
1:00am	1,509	223	528	392	132	365	171	141	312	48	1,068	4,889
2:00am	932	146	404	309	81	233	130	102	236	27	654	3,254
3:00am	753	152	350	287	70	199	116	95	214	26	438	2,700
4:00am	1,156	228	418	395	88	193	139	107	264	50	455	3,493
5:00am	2,333	416	707	609	193	344	264	165	492	112	705	6,340
6:00am	4,247	777	1,193	1,021	427	610	397	326	711	314	1,708	11,731
7:00am	4,810	1,217	1,547	1,371	1,202	966	658	531	888	576	2,728	16,494
8:00am	4,235	1,261	1,604	1,401	1,442	849	732	606	889	659	2,744	16,422
9:00am	4,440	1,194	1,495	1,400	1,353	789	777	521	865	616	2,149	15,599
10:00am	4,207	1,221	1,414	1,185	1,389	902	873	487	934	550	2,571	15,733
11:00am	4,044	1,137	1,306	1,227	1,346	903	801	491	958	456	2,673	15,342
12:00pm	3,537	1,227	1,235	1,318	1,284	991	925	522	939	408	3,124	15,510
1:00pm	3,794	1,240	1,288	1,194	1,332	997	942	531	1,013	406	3,543	16,280
2:00pm	4,420	1,348	1,314	1,377	1,456	1,053	976	593	1,112	468	3,717	17,834
3:00pm	4,344	1,251	1,405	1,371	1,436	1,094	1,086	729	1,220	644	4,040	18,620
4:00pm	4,455	1,212	1,486	1,434	1,502	1,228	1,157	746	1,435	944	3,497	19,096
5:00pm	4,503	1,240	1,529	1,727	1,561	1,363	1,192	788	1,544	1,049	2,830	19,326
6:00pm	3,465	1,191	1,551	1,840	1,571	1,510	1,200	748	1,544	745	3,110	18,475
7:00pm	3,610	944	1,458	1,712	1,365	1,633	971	626	1,372	486	3,992	18,169
8:00pm	4,341	1,022	1,577	1,285	1,157	1,354	678	541	1,053	295	3,593	16,896
9:00pm	4,194	1,032	1,610	1,200	970	1,366	704	539	1,028	246	3,554	16,443
10:00pm	4,231	942	1,549	1,239	900	1,396	693	500	935	213	3,733	16,331
11:00pm	3,812	734	1,297	961	628	1,143	546	385	754	148	3,074	13,482
TOTAL	84,160	21,730	29,117	26,889	23,175	22,055	16,436	11,031	21,194	9,572	62,023	327,382

Notes: - See note on page III-0.
- Center Drive / East Drive, between the 6th Avenue entrance on Park South and East 72nd Street: open only to authorized vehicles and not general traffic.
- The Hub Bound volume data across the QBB was impacted by a new method of collection and construction. Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not actually in the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

SECTION D

AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY

BROOKLYN, QUEENS, and NEW JERSEY SECTORS, 2023-INBOUND

HOURS	BROOKLYN SECTOR					QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL
	BROOKLYN BRIDGE	MANHATTAN BRIDGE	WILLIAMSBURG BRIDGE	HUGH L. CAREY TUNNEL	SECTOR TOTAL	MIDTOWN TUNNEL	ED KOCH QUEENSBORO BRIDGE	SECTOR TOTAL	HOLLAND TUNNEL	LINCOLN TUNNEL	SECTOR TOTAL	
12:00am	1,268	873	1,318	220	3,679	879	1,420	2,299	787	933	1,720	7,698
1:00am	855	678	1,023	78	2,634	320	969	1,289	614	815	1,429	5,352
2:00am	597	403	811	54	1,865	177	753	930	447	704	1,151	3,946
3:00am	658	382	837	57	1,934	285	819	1,104	444	810	1,254	4,292
4:00am	1,247	522	1,318	264	3,351	586	1,317	1,903	805	1,311	2,116	7,370
5:00am	2,326	1,309	2,758	1,270	7,663	1,704	2,281	3,985	2,849	3,936	6,785	18,433
6:00am	3,379	2,378	2,945	3,195	11,897	3,024	3,222	6,246	3,040	5,877	8,917	27,060
7:00am	3,222	3,033	2,762	3,514	12,531	4,003	3,133	7,136	2,983	5,277	8,260	27,927
8:00am	3,228	2,995	2,689	3,361	12,273	4,478	2,906	7,384	3,054	4,741	7,795	27,452
9:00am	3,007	2,949	2,347	3,417	11,720	4,854	2,419	7,273	2,516	3,691	6,207	25,200
10:00am	2,773	2,595	2,222	2,865	10,455	3,975	2,131	6,106	2,921	3,821	6,742	23,303
11:00am	2,479	2,165	2,311	2,493	9,448	3,318	2,346	5,664	2,619	3,357	5,976	21,088
12:00pm	2,547	2,188	2,400	2,363	9,498	3,356	2,383	5,739	2,565	3,345	5,910	21,147
1:00pm	2,602	2,052	2,516	2,323	9,493	3,124	2,634	5,758	2,207	2,923	5,130	20,381
2:00pm	2,922	2,381	2,432	2,224	9,959	3,536	2,856	6,392	2,378	2,604	4,982	21,333
3:00pm	2,606	2,122	2,490	2,288	9,506	3,793	2,888	6,681	2,445	2,362	4,807	20,994
4:00pm	2,897	2,046	2,486	1,446	8,875	4,016	2,842	6,858	2,817	2,501	5,318	21,051
5:00pm	3,150	2,236	2,515	1,468	9,369	4,002	2,803	6,805	3,124	2,550	5,674	21,848
6:00pm	2,387	2,565	2,448	1,657	9,057	4,164	2,776	6,940	2,917	2,606	5,523	21,520
7:00pm	2,051	2,446	2,219	1,361	8,077	3,549	2,688	6,237	2,638	3,263	5,901	20,215
8:00pm	2,840	2,222	2,453	1,490	9,005	2,696	2,429	5,125	2,101	2,330	4,431	18,561
9:00pm	2,875	2,407	2,300	1,056	8,638	2,226	2,315	4,541	2,327	2,448	4,775	17,954
10:00pm	2,682	2,009	1,892	906	7,489	2,059	2,291	4,350	2,097	2,318	4,415	16,254
11:00pm	2,277	1,402	1,861	602	6,142	1,497	1,889	3,386	1,107	2,033	3,140	12,668
TOTAL	56,875	46,358	51,353	39,972	194,558	65,621	54,510	120,131	51,802	66,556	118,358	433,047

Notes:

- See note on page III-0.
- New Jersey Sector - Lincoln and Holland Tunnels' (LHT) counts exclude small commuter buses.
- The Hub Bound volume data across the QBB was impacted by a new method of collection and construction. Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not actually in the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.
- Holland Tunnel had overnight road closures between 11 PM and 4 AM for road construction work, leading to low volume counts.

SECTION D
AUTO, TAXI, COMMUTER VAN AND TRUCK OCCUPANTS BY FACILITY
BROOKLYN, QUEENS, and NEW JERSEY SECTORS, 2023-OUTBOUND

HOURS	BROOKLYN SECTOR					QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL
	BROOKLYN BRIDGE	MANHATTAN BRIDGE	WILLIAMSBURG BRIDGE	HUGH L. CAREY TUNNEL	SECTOR TOTAL	MIDTOWN TUNNEL	ED KOCH QUEENSBORO BRIDGE	SECTOR TOTAL	HOLLAND TUNNEL	LINCOLN TUNNEL	SECTOR TOTAL	
12:00am	3,091	1,758	2,904	800	8,553	1,606	2,795	4,401	536	3,026	3,562	16,516
1:00am	1,845	1,160	1,764	296	5,065	845	1,839	2,684	426	1,774	2,200	9,949
2:00am	1,190	845	1,270	136	3,441	487	1,249	1,736	321	1,197	1,518	6,695
3:00am	938	645	971	75	2,629	493	1,080	1,573	284	1,007	1,291	5,493
4:00am	1,137	628	1,173	75	3,013	914	1,514	2,428	273	1,521	1,794	7,235
5:00am	2,131	1,063	1,845	223	5,262	1,477	2,381	3,858	1,109	1,416	2,525	11,645
6:00am	3,677	1,711	2,656	740	8,784	2,069	3,277	5,346	1,810	1,607	3,417	17,547
7:00am	4,098	2,012	2,745	1,053	9,908	2,098	3,386	5,484	2,074	2,252	4,326	19,718
8:00am	4,022	2,303	2,722	1,216	10,263	1,918	2,801	4,719	2,249	2,335	4,584	19,566
9:00am	3,984	2,012	2,423	1,002	9,421	1,975	2,496	4,471	2,153	2,045	4,198	18,090
10:00am	3,947	2,163	1,636	1,242	8,988	2,372	3,067	5,439	2,112	2,491	4,603	19,030
11:00am	4,013	2,202	2,030	1,226	9,471	3,076	3,421	6,497	2,244	3,063	5,307	21,275
12:00pm	3,890	2,093	2,064	1,691	9,738	3,893	3,366	7,259	2,331	3,507	5,838	22,835
1:00pm	3,694	2,357	1,934	2,096	10,081	3,933	3,732	7,665	2,492	4,726	7,218	24,964
2:00pm	3,930	2,675	2,522	2,390	11,517	4,037	3,881	7,918	2,664	5,730	8,394	27,829
3:00pm	3,689	2,797	3,066	2,982	12,534	3,888	5,075	8,963	2,741	5,409	8,150	29,647
4:00pm	3,665	3,383	3,333	3,157	13,538	4,288	5,342	9,630	2,589	5,553	8,142	31,310
5:00pm	3,676	3,243	3,452	2,899	13,270	4,281	5,265	9,546	2,245	5,177	7,422	30,238
6:00pm	3,715	3,090	3,161	2,970	12,936	3,984	4,756	8,740	2,733	5,204	7,937	29,613
7:00pm	3,839	2,966	3,171	2,914	12,890	4,182	4,925	9,107	2,663	4,844	7,507	29,504
8:00pm	4,035	2,776	2,951	2,177	11,939	4,134	4,405	8,539	2,781	4,233	7,014	27,492
9:00pm	3,953	2,278	3,067	1,762	11,060	3,656	3,901	7,557	2,705	3,948	6,653	25,270
10:00pm	4,041	2,079	3,169	1,695	10,984	3,226	4,026	7,252	2,608	3,867	6,475	24,711
11:00pm	3,667	2,389	3,436	1,340	10,832	2,379	4,086	6,465	231	3,559	3,790	21,087
TOTAL	79,867	50,628	59,465	36,157	226,117	65,211	82,066	147,277	44,374	79,491	123,865	497,259

Notes:

- See note on page III-0.
- New Jersey Sector - Lincoln and Holland Tunnels' (LTHT) counts exclude small commuter buses.
- LTHT westbound data are collected using mivision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound and westbound volumes.

SECTION E

AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY SECTOR, SUMMARY- 2023

INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	5,891	3,072	1,844	1,326	12,133
1:00am	3,478	2,190	1,051	1,098	7,817
2:00am	2,404	1,550	764	880	5,598
3:00am	2,323	1,610	899	955	5,787
4:00am	3,505	2,810	1,541	1,617	9,473
5:00am	7,966	6,434	3,179	5,208	22,787
6:00am	12,840	10,074	5,497	7,147	35,558
7:00am	15,288	10,761	5,985	6,550	38,584
8:00am	16,606	10,410	5,950	5,989	38,955
9:00am	15,746	9,925	5,687	4,971	36,329
10:00am	14,595	8,753	4,779	5,502	33,629
11:00am	13,648	7,965	4,495	4,871	30,979
12:00pm	13,502	7,895	4,490	4,594	30,481
1:00pm	13,730	7,880	4,445	3,981	30,036
2:00pm	14,239	8,151	4,878	3,792	31,060
3:00pm	15,234	8,127	5,124	3,734	32,219
4:00pm	15,650	7,534	5,034	3,970	32,188
5:00pm	16,070	7,815	5,098	4,142	33,125
6:00pm	15,516	7,769	5,166	4,219	32,670
7:00pm	15,037	6,928	4,827	4,132	30,924
8:00pm	13,316	7,568	4,038	3,423	28,345
9:00pm	11,915	7,244	3,594	3,694	26,447
10:00pm	11,745	6,294	3,450	3,411	24,900
11:00pm	9,621	5,157	2,696	2,391	19,865
TOTAL	279,865	163,916	94,511	91,597	629,889

OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	NEW JERSEY SECTOR	TOTAL
12:00am	6,992	6,336	3,272	2,585	19,185
1:00am	3,806	3,723	2,016	1,610	11,155
2:00am	2,521	2,521	1,313	1,115	7,470
3:00am	2,072	1,923	1,182	950	6,127
4:00am	2,680	2,209	1,801	1,302	7,992
5:00am	4,864	3,862	2,858	1,937	13,521
6:00am	9,462	6,308	3,624	2,716	22,110
7:00am	13,119	7,165	3,641	3,306	27,231
8:00am	12,823	7,409	3,226	3,455	26,913
9:00am	11,866	6,760	3,129	3,185	24,940
10:00am	11,948	6,524	4,036	3,488	25,996
11:00am	11,744	6,924	4,879	4,079	27,626
12:00pm	11,733	7,178	5,364	4,431	28,706
1:00pm	12,482	7,650	5,815	5,478	31,425
2:00pm	13,653	8,733	5,935	6,079	34,400
3:00pm	14,182	9,971	6,783	6,098	37,034
4:00pm	13,879	10,354	7,293	6,289	37,815
5:00pm	13,778	10,015	7,144	5,734	36,671
6:00pm	13,262	9,689	6,477	6,022	35,450
7:00pm	13,412	9,746	6,667	5,798	35,623
8:00pm	12,965	8,926	6,191	5,338	33,420
9:00pm	12,633	8,261	5,480	5,072	31,446
10:00pm	12,579	8,211	5,302	4,933	31,025
11:00pm	10,429	8,050	4,804	2,702	25,985
TOTAL	248,884	168,448	108,232	93,702	619,266

- Notes:
- See note on page III-0.
 - Volumes for the four East River bridges, and for the 60th Street screenline, are provided by the New York City Department of Transportation (NYC DOT). These volumes are obtained using Automatic Traffic Recorders (ATRs), which record each vehicle as it passes over a pneumatic tube. A total of 40 ATRs are deployed simultaneously during the two-week counting period in October. All ATR machines and tubes are maintained daily. Nevertheless, it is not possible to obtain valid data from all 40 ATRs for any specific continuous 24-hour period. This is due to a number of factors, notably vehicles parked on pneumatic tubes, breakage of pneumatic tubes, ATR damage and battery depletion, unusual circumstances disrupting traffic flow (accidents, fires, police actions, etc.). As a result, it is necessary to use the average of valid data from each individual ATR to develop representative traffic counts at all locations. The Hub Bound report data reported for other facilities is generally collected on a typical fall day (i.e., October 18, 2023). Thus, there may be some variation in this report and the reports produced by NYC DOT.
 - The presented hourly average volumes are based on two weeks' worth of mid-week data, all of which underwent QA/QC.
 - New Jersey Sector - Lincoln and Holland Tunnels (LHT) counts exclude small commuter buses. LHT westbound data are collected using miovision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound and westbound volumes.
 - The Hub Bound volume data across the QBB was impacted by a new method of collection. Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not actually in the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

SECTION E
AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY FACILITY
60TH STREET SECTOR, 2023-INBOUND

HOURS	FDR DRIVE	YORK AVENUE	SECOND AVENUE	LEXINGTON AVENUE	PARK AVE	FIFTH AVENUE	BROADWAY	COLUMBUS AVENUE	WEST END AVENUE	WEST SIDE HWY	TOTAL
12:00am	1,590	137	1,380	400	174	408	258	500	110	934	5,891
1:00am	844	60	861	248	73	268	147	312	67	598	3,478
2:00am	600	36	625	171	43	173	84	226	38	408	2,404
3:00am	590	40	619	177	39	171	75	187	30	395	2,323
4:00am	1,020	78	837	207	56	255	86	223	47	696	3,505
5:00am	2,818	157	1,474	370	112	490	119	355	92	1,979	7,966
6:00am	4,229	372	1,616	493	369	737	221	610	247	3,946	12,840
7:00am	4,528	288	1,801	557	828	925	418	1,005	474	4,464	15,288
8:00am	4,989	284	1,734	613	1,122	1,009	696	1,209	668	4,282	16,606
9:00am	4,674	315	1,648	632	1,065	912	722	1,086	580	4,112	15,746
10:00am	3,967	363	1,648	611	968	855	693	993	530	3,967	14,595
11:00am	3,997	448	1,641	589	883	827	669	978	513	3,103	13,648
12:00pm	4,122	485	1,647	577	913	886	706	1,025	509	2,632	13,502
1:00pm	4,435	509	1,693	578	888	828	648	999	523	2,629	13,730
2:00pm	4,475	484	1,757	609	924	872	648	1,048	580	2,842	14,239
3:00pm	4,546	589	1,887	719	955	927	689	1,112	615	3,195	15,234
4:00pm	4,616	691	1,995	721	937	931	721	1,173	578	3,287	15,650
5:00pm	4,769	671	2,035	793	1,019	938	731	1,196	580	3,338	16,070
6:00pm	4,465	572	1,959	839	1,072	996	740	1,143	612	3,118	15,516
7:00pm	4,369	557	2,000	866	984	1,075	759	1,142	560	2,725	15,037
8:00pm	4,037	484	1,989	783	830	1,011	651	1,034	464	2,033	13,316
9:00pm	3,783	331	1,888	698	670	1,000	565	993	392	1,595	11,915
10:00pm	3,638	275	1,992	673	681	935	544	919	382	1,706	11,745
11:00pm	2,782	250	1,927	627	460	831	420	788	270	1,266	9,621
TOTAL	83,883	8,476	38,653	13,551	16,065	18,260	12,010	20,256	9,461	59,250	279,865

Notes:

- See note on page III-0.
- Volumes for the four East River bridges, and for the 60th Street screenline, are provided by the New York City Department of Transportation (NYC DOT). These volumes are obtained using Automatic Traffic Recorders (ATRs), which record each vehicle as it passes over a pneumatic tube. A total of 40 ATRs are deployed simultaneously during the two-week counting period in October. All ATR machines and tubes are maintained daily. Nevertheless, it is not possible to obtain valid data from all 40 ATRs for any specific continuous 24-hour period. This is due to a number of factors, notably vehicles parked on pneumatic tubes, breakage of pneumatic tubes, ATR damage and battery depletion, unusual circumstances disrupting traffic flow (accidents, fires, police actions, etc.). As a result, it is necessary to use the average of valid data from each individual ATR to develop representative traffic counts at all locations. The Hub Bound report data reported for other facilities is generally collected on a typical fall day (i.e., October 18, 2023). Thus, there may be some variation in this report and the reports produced by NYC DOT.
- The presented hourly average volumes are based on two weeks' worth of mid-week data, all of which underwent QA/QC.
- Central Park South and 7th Avenue traffic data no longer included since these exits/entrances are closed for general traffic.
- The Hub Bound volume data across the QBB was impacted by a new method of collection. Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not actually in the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

SECTION E

AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY FACILITY

60TH STREET SECTOR, 2023-OUTBOUND

HOURS	FDR DRIVE	YORK AVE	FIRST AVE	THIRD AVE	PARK AVE	MADISON AVE	EIGHT AVE	BROADWAY	AMSTER-DAM AVE	WEST END AVE	WEST SIDE HWY	TOTAL
12:00am	2,267	257	687	431	191	396	175	160	365	60	2,003	6,992
1:00am	1,227	153	426	267	87	252	97	107	236	33	921	3,806
2:00am	758	100	326	210	53	161	74	77	179	19	564	2,521
3:00am	612	104	282	195	46	137	66	72	162	18	378	2,072
4:00am	940	156	337	269	58	133	79	81	200	35	392	2,680
5:00am	1,897	285	570	414	127	237	150	125	373	78	608	4,864
6:00am	3,542	560	978	756	278	528	283	233	622	203	1,479	9,462
7:00am	3,992	795	1,268	1,014	760	836	424	391	744	404	2,491	13,119
8:00am	3,526	850	1,269	1,008	892	733	451	426	770	433	2,465	12,823
9:00am	3,477	843	1,178	1,001	899	637	455	369	725	410	1,872	11,866
10:00am	3,305	847	1,160	861	914	638	493	369	748	375	2,238	11,948
11:00am	3,243	786	1,073	896	923	619	473	399	740	329	2,263	11,744
12:00pm	2,823	816	1,028	921	909	661	508	402	735	316	2,614	11,733
1:00pm	3,251	843	1,061	824	943	660	505	412	744	311	2,928	12,482
2:00pm	3,778	908	1,089	905	972	686	564	448	806	331	3,166	13,653
3:00pm	3,617	853	1,165	922	936	715	603	564	878	458	3,471	14,182
4:00pm	3,375	855	1,134	934	948	784	636	588	1,027	629	2,969	13,879
5:00pm	3,461	828	1,171	1,041	974	837	647	620	1,077	728	2,394	13,778
6:00pm	2,854	771	1,245	1,117	1,014	894	612	554	1,046	522	2,633	13,262
7:00pm	3,008	727	1,179	1,033	906	916	486	487	933	334	3,403	13,412
8:00pm	3,529	700	1,272	874	761	934	385	410	798	205	3,097	12,965
9:00pm	3,410	707	1,298	816	638	942	400	408	779	171	3,064	12,633
10:00pm	3,440	645	1,249	843	592	963	394	379	708	148	3,218	12,579
11:00pm	3,099	503	1,046	654	413	788	310	292	571	103	2,650	10,429
TOTAL	68,431	14,892	23,491	18,206	15,234	15,087	9,270	8,373	15,966	6,653	53,281	248,884

Notes:

- See note on page III-0.
- Volumes for the four East River bridges, and for the 60th Street screenline, are provided by the New York City Department of Transportation (NYC DOT). These volumes are obtained using Automatic Traffic Recorders (ATRs), which record each vehicle as it passes over a pneumatic tube. A total of 40 ATRs are deployed simultaneously during the two-week counting period in October. All ATR machines and tubes are maintained daily. Nevertheless, it is not possible to obtain valid data from all 40 ATRs for any specific continuous 24-hour period. This is due to a number of factors, notably vehicles parked on pneumatic tubes, breakage of pneumatic tubes, ATR damage and battery depletion, unusual circumstances disrupting traffic flow (accidents, fires, police actions, etc.). As a result, it is necessary to use the average of valid data from each individual ATR to develop representative traffic counts at all locations. The Hub Bound report data reported for other facilities is generally collected on a typical fall day (i.e., October 18, 2023). Thus, there may be some variation in this report and the reports produced by NYC DOT.
- The presented hourly average volumes are based on two weeks' worth of mid-week data, all of which underwent QA/QC.
- Center Drive / East Drive, between the 6th Avenue entrance on Park South and East 72nd Street - traffic data no longer included since these entrances are closed for general traffic.
- The Hub Bound volume data across the QBB was impacted by a new method of collection. Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not actually in the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.

SECTION E
AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY FACILITY
BROOKLYN, QUEENS, and NEW JERSEY SECTORS, 2023-INBOUND

HOURS	BROOKLYN SECTOR					QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL
	BROOKLYN BRIDGE	MANHATTAN BRIDGE	WILLIAMSBURG BRIDGE	HUGH L. CAREY TUNNEL	SECTOR TOTAL	MIDTOWN TUNNEL	ED KOCH QUEENSBORO BRIDGE	SECTOR TOTAL	HOLLAND TUNNEL	LINCOLN TUNNEL	SECTOR TOTAL	
12:00am	1,112	704	1,063	193	3,072	651	1,193	1,844	645	681	1,326	6,242
1:00am	750	547	825	68	2,190	237	814	1,051	503	595	1,098	4,339
2:00am	524	325	654	47	1,550	131	633	764	366	514	880	3,194
3:00am	577	308	675	50	1,610	211	688	899	364	591	955	3,464
4:00am	1,094	421	1,063	232	2,810	434	1,107	1,541	660	957	1,617	5,968
5:00am	2,040	1,056	2,224	1,114	6,434	1,262	1,917	3,179	2,335	2,873	5,208	14,821
6:00am	2,908	1,868	2,422	2,876	10,074	2,693	2,804	5,497	2,664	4,483	7,147	22,718
7:00am	2,877	2,436	2,262	3,186	10,761	3,268	2,717	5,985	2,543	4,007	6,550	23,296
8:00am	2,736	2,439	2,177	3,058	10,410	3,447	2,503	5,950	2,526	3,463	5,989	22,349
9:00am	2,590	2,396	1,861	3,078	9,925	3,628	2,059	5,687	2,158	2,813	4,971	20,583
10:00am	2,358	2,106	1,769	2,520	8,753	2,973	1,806	4,779	2,408	3,094	5,502	19,034
11:00am	2,258	1,753	1,779	2,175	7,965	2,535	1,960	4,495	2,166	2,705	4,871	17,331
12:00pm	2,181	1,776	1,896	2,042	7,895	2,499	1,991	4,490	2,075	2,519	4,594	16,979
1:00pm	2,251	1,640	1,997	1,992	7,880	2,275	2,170	4,445	1,803	2,178	3,981	16,306
2:00pm	2,502	1,794	1,918	1,937	8,151	2,529	2,349	4,878	1,828	1,964	3,792	16,821
3:00pm	2,262	1,758	2,038	2,069	8,127	2,733	2,391	5,124	1,962	1,772	3,734	16,985
4:00pm	2,476	1,727	2,046	1,285	7,534	2,683	2,351	5,034	2,266	1,704	3,970	16,538
5:00pm	2,645	1,827	2,063	1,280	7,815	2,762	2,336	5,098	2,460	1,682	4,142	17,055
6:00pm	2,258	2,044	2,052	1,415	7,769	2,898	2,268	5,166	2,339	1,880	4,219	17,154
7:00pm	1,919	1,979	1,890	1,140	6,928	2,631	2,196	4,827	2,134	1,998	4,132	15,887
8:00pm	2,491	1,792	1,978	1,307	7,568	1,997	2,041	4,038	1,722	1,701	3,423	15,029
9:00pm	2,522	1,941	1,855	926	7,244	1,649	1,945	3,594	1,907	1,787	3,694	14,532
10:00pm	2,353	1,620	1,526	795	6,294	1,525	1,925	3,450	1,719	1,692	3,411	13,155
11:00pm	1,997	1,131	1,501	528	5,157	1,109	1,587	2,696	907	1,484	2,391	10,244
TOTAL	49,681	37,388	41,534	35,313	163,916	48,760	45,751	94,511	42,460	49,137	91,597	350,024

Notes:

- See note on page III-0.
- Volumes for the four East River bridges, and for the 60th Street screenline, are provided by the New York City Department of Transportation (NYC DOT). These volumes are obtained using Automatic Traffic Recorders (ATRs), which record each vehicle as it passes over a pneumatic tube. A total of 40 ATRs are deployed simultaneously during the two-week counting period in October. All ATR machines and tubes are maintained daily. Nevertheless, it is not possible to obtain valid data from all 40 ATRs for any specific continuous 24-hour period. This is due to a number of factors, notably vehicles parked on pneumatic tubes, breakage of pneumatic tubes, ATR damage and battery depletion, unusual circumstances disrupting traffic flow (accidents, fires, police actions, etc.). As a result, it is necessary to use the average of valid data from each individual ATR to develop representative traffic counts at all locations. The Hub Bound report data reported for other facilities is generally collected on a typical fall day (i.e., October 18, 2023). Thus, there may be some variation in this report and the reports produced by NYC DOT.
- The presented hourly average volumes are based on two weeks' worth of mid-week data, all of which underwent QA/QC.
- New Jersey Sector - Lincoln and Holland Tunnels (LTHT) counts' exclude commuter buses. LTHT westbound data are collected using miovision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound data.
- The Hub Bound volume data across the QBB was impacted by a new method of collection. Beginning from 2021, vehicles that use the northern Queensboro bridge upper ramp were excluded as these are not actually in the CBD but passing over it. Care should be taken in comparing this year's data with prior years of data.
- Holland Tunnel had overnight road closures between 11 PM and 4 AM for road construction work, leading to low volume counts.

SECTION E

AUTOS, TAXIS, COMMUTER VANS AND TRUCKS BY FACILITY

BROOKLYN, QUEENS, and NEW JERSEY SECTORS, 2023-OUTBOUND

HOURS	BROOKLYN SECTOR					QUEENS SECTOR			NEW JERSEY SECTOR			TOTAL
	BROOKLYN BRIDGE	MANHATTAN BRIDGE	WILLIAMSBURG BRIDGE	HUGH L. CAREY TUNNEL	SECTOR TOTAL	MIDTOWN TUNNEL	ED KOCH QUEENSBORO BRIDGE	SECTOR TOTAL	HOLLAND TUNNEL	LINCOLN TUNNEL	SECTOR TOTAL	
12:00am	2,224	1,188	2,234	690	6,336	1,036	2,236	3,272	454	2,131	2,585	12,193
1:00am	1,327	784	1,357	255	3,723	545	1,471	2,016	361	1,249	1,610	7,349
2:00am	856	571	977	117	2,521	314	999	1,313	272	843	1,115	4,949
3:00am	675	436	747	65	1,923	318	864	1,182	241	709	950	4,055
4:00am	818	424	902	65	2,209	590	1,211	1,801	231	1,071	1,302	5,312
5:00am	1,533	718	1,419	192	3,862	953	1,905	2,858	940	997	1,937	8,657
6:00am	2,571	1,167	1,889	681	6,308	1,361	2,263	3,624	1,574	1,142	2,716	12,648
7:00am	2,836	1,402	1,962	965	7,165	1,331	2,310	3,641	1,743	1,563	3,306	14,112
8:00am	2,785	1,585	1,953	1,086	7,409	1,205	2,021	3,226	1,888	1,567	3,455	14,090
9:00am	2,714	1,357	1,818	871	6,760	1,244	1,885	3,129	1,768	1,417	3,185	13,074
10:00am	2,768	1,437	1,272	1,047	6,524	1,501	2,535	4,036	1,791	1,697	3,488	14,048
11:00am	2,852	1,482	1,569	1,021	6,924	2,045	2,834	4,879	1,913	2,166	4,079	15,882
12:00pm	2,767	1,402	1,623	1,386	7,178	2,499	2,865	5,364	1,992	2,439	4,431	16,973
1:00pm	2,767	1,585	1,556	1,742	7,650	2,589	3,226	5,815	2,152	3,326	5,478	18,943
2:00pm	2,913	1,768	2,032	2,020	8,733	2,679	3,256	5,935	2,246	3,833	6,079	20,747
3:00pm	2,774	1,999	2,632	2,566	9,971	2,575	4,208	6,783	2,286	3,812	6,098	22,852
4:00pm	2,697	2,278	2,600	2,779	10,354	2,700	4,593	7,293	2,185	4,104	6,289	23,936
5:00pm	2,705	2,226	2,621	2,463	10,015	2,764	4,380	7,144	1,896	3,838	5,734	22,893
6:00pm	2,756	2,025	2,404	2,504	9,689	2,533	3,944	6,477	2,259	3,763	6,022	22,188
7:00pm	2,924	1,895	2,430	2,497	9,746	2,640	4,027	6,667	2,270	3,528	5,798	22,211
8:00pm	2,903	1,876	2,270	1,877	8,926	2,667	3,524	6,191	2,357	2,981	5,338	20,455
9:00pm	2,844	1,539	2,359	1,519	8,261	2,359	3,121	5,480	2,292	2,780	5,072	18,813
10:00pm	2,907	1,405	2,438	1,461	8,211	2,081	3,221	5,302	2,210	2,723	4,933	18,446
11:00pm	2,638	1,614	2,643	1,155	8,050	1,535	3,269	4,804	196	2,506	2,702	15,556
TOTAL	57,554	34,163	45,707	31,024	168,448	42,064	66,168	108,232	37,517	56,185	93,702	370,382

Notes:

- See note on page III-0.
- Volumes for the four East River bridges, and for the 60th Street screenline, are provided by the New York City Department of Transportation (NYC DOT). These volumes are obtained using Automatic Traffic Recorders (ATRs), which record each vehicle as it passes over a pneumatic tube. A total of 40 ATRs are deployed simultaneously during the two-week counting period in October. All ATR machines and tubes are maintained daily. Nevertheless, it is not possible to obtain valid data from all 40 ATRs for any specific continuous 24-hour period. This is due to a number of factors, notably vehicles parked on pneumatic tubes, breakage of pneumatic tubes, ATR damage and battery depletion, unusual circumstances disrupting traffic flow (accidents, fires, police actions, etc.). As a result, it is necessary to use the average of valid data from each individual ATR to develop representative traffic counts at all locations. The Hub Bound report data reported for other facilities is generally collected on a typical fall day (i.e., October 18, 2023). Thus, there may be some variation in this report and the reports produced by NYC DOT.
- The presented hourly average volumes are based on two weeks' worth of mid-week data, all of which underwent QA/QC.
- New Jersey Sector - Lincoln and Holland Tunnels (LTHT) counts exclude commuter buses. LTHT westbound data are collected using mivision cameras; compared to the eastbound data which are collected using the toll transaction system at the tunnels. Thus the methodology of data collection is different between the directions, and should be considered when comparing eastbound and westbound volumes

SECTION F

FERRY AND TRAMWAY PASSENGERS BY FACILITY

2023-INBOUND

HOURS	60th STREET FERRY	BROOKLYN FERRY	QUEENS FERRY	NEW JERSEY FERRY	STATEN ISLAND FERRY (1)	TOTAL FERRIES	ROOSEVELT ISLAND (RI) TRAMWAY	TOTAL FERRIES and RI TRAMWAY
12:00am	0	0	0	0	81	81	20	101
1:00am	0	0	0	0	53	53	4	57
2:00am	0	0	0	0	66	66	0	66
3:00am	0	0	0	0	70	70	0	70
4:00am	0	0	0	0	162	162	0	162
5:00am	3	0	0	402	733	1,138	11	1,149
6:00am	13	25	25	878	1,796	2,737	115	2,852
7:00am	48	35	78	2,614	3,255	6,030	402	6,432
8:00am	42	90	153	3,482	3,002	6,769	571	7,340
9:00am	18	73	168	1,800	1,205	3,264	378	3,642
10:00am	18	143	171	657	1,138	2,127	293	2,420
11:00am	23	51	184	381	1,373	2,012	309	2,321
12:00pm	28	121	145	483	1,109	1,886	298	2,184
1:00pm	34	129	188	550	1,780	2,681	280	2,961
2:00pm	53	124	242	587	1,294	2,300	273	2,573
3:00pm	86	115	383	825	2,006	3,415	458	3,873
4:00pm	216	184	537	570	1,478	2,985	362	3,347
5:00pm	217	366	941	673	1,075	3,272	439	3,711
6:00pm	118	222	633	286	865	2,124	353	2,477
7:00pm	61	121	341	143	544	1,210	212	1,422
8:00pm	32	57	162	40	544	835	182	1,017
9:00pm	0	34	112	16	347	509	100	609
10:00pm	0	0	24	16	224	264	61	325
11:00pm	0	0	0	0	119	119	31	150
TOTAL	1,010	1,890	4,487	14,403	24,319	46,109	5,152	51,261

2023-OUTBOUND

HOURS	60th STREET FERRY	BROOKLYN FERRY	QUEENS FERRY	NEW JERSEY FERRY	STATEN ISLAND FERRY (1)	TOTAL FERRIES	ROOSEVELT ISLAND (RI) TRAMWAY	TOTAL FERRIES and RI TRAMWAY
12:00am	0	0	0	0	356	356	39	395
1:00am	0	0	0	0	219	219	13	232
2:00am	0	0	0	0	85	85	1	86
3:00am	0	0	0	0	46	46	0	46
4:00am	0	0	0	0	67	67	0	67
5:00am	6	0	0	0	186	192	8	200
6:00am	74	40	104	27	609	854	120	974
7:00am	166	141	528	269	405	1,509	141	1,650
8:00am	337	376	1,000	327	493	2,533	138	2,671
9:00am	136	280	559	607	440	2,022	178	2,200
10:00am	80	124	273	816	896	2,189	243	2,432
11:00am	41	139	213	441	1,195	2,029	315	2,344
12:00pm	44	74	213	208	1,534	2,073	303	2,376
1:00pm	27	243	179	346	1,415	2,210	359	2,569
2:00pm	45	127	242	423	1,533	2,370	386	2,756
3:00pm	57	117	228	796	1,879	3,077	424	3,501
4:00pm	34	124	181	1,872	3,199	5,410	547	5,957
5:00pm	75	147	276	2,808	3,660	6,966	590	7,556
6:00pm	58	120	168	2,342	2,528	5,216	571	5,787
7:00pm	11	88	152	999	1,322	2,572	396	2,968
8:00pm	23	35	95	344	820	1,317	267	1,584
9:00pm	3	43	72	319	745	1,182	189	1,371
10:00pm	0	14	34	254	541	843	147	990
11:00pm	0	0	0	86	458	544	74	618
TOTAL	1,217	2,232	4,517	13,284	24,631	45,881	5,449	51,330

Notes: See note on page III-0.
(1) Excludes bicyclists.

SECTION G BICYCLE VOLUMES BY SECTOR SUMMARY, 2023

INBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	STATEN ISLAND SECTOR ABOARD FERRY	TOTAL
12:00am	-	71	16	1	88
1:00am	-	36	14	-	50
2:00am	-	26	4	1	31
3:00am	-	19	18	4	41
4:00am	-	49	44	5	98
5:00am	-	123	163	17	303
6:00am	676	371	340	38	1,425
7:00am	1,318	775	459	46	2,598
8:00am	1,983	1,284	554	44	3,865
9:00am	1,625	1,166	410	16	3,217
10:00am	1,443	722	388	12	2,565
11:00am	1,744	514	239	12	2,509
12:00pm	1,920	383	126	10	2,439
1:00pm	1,805	356	141	8	2,310
2:00pm	1,530	379	158	11	2,078
3:00pm	1,418	440	214	5	2,077
4:00pm	1,524	425	193	17	2,159
5:00pm	2,139	545	219	16	2,919
6:00pm	2,519	592	137	8	3,256
7:00pm	2,277	446	82	4	2,809
8:00pm	1,791	294	59	5	2,149
9:00pm	1,124	198	47	3	1,372
10:00pm	784	176	41	5	1,006
11:00pm	489	122	36	1	648
TOTAL	28,109	9,512	4,102	289	42,012

OUTBOUND

HOURS	60TH STREET SECTOR	BROOKLYN SECTOR	QUEENS SECTOR	STATEN ISLAND SECTOR ABOARD FERRY	TOTAL
12:00am	-	211	137	11	359
1:00am	-	103	58	1	162
2:00am	-	82	39	6	127
3:00am	-	37	18	4	59
4:00am	-	32	12	3	47
5:00am	-	41	27	3	71
6:00am	488	106	51	5	650
7:00am	819	198	86	4	1,107
8:00am	1,123	252	76	6	1,457
9:00am	910	257	66	1	1,234
10:00am	914	275	55	6	1,250
11:00am	1,475	254	61	5	1,795
12:00pm	1,778	271	99	10	2,158
1:00pm	1,709	360	83	1	2,153
2:00pm	1,463	425	180	18	2,086
3:00pm	1,470	570	242	12	2,294
4:00pm	1,787	702	362	22	2,873
5:00pm	2,431	1,270	404	34	4,139
6:00pm	2,919	1,263	359	39	4,580
7:00pm	2,537	905	297	22	3,761
8:00pm	2,026	604	230	29	2,889
9:00pm	1,624	720	237	11	2,592
10:00pm	1,228	589	264	25	2,106
11:00pm	821	417	226	15	1,479
TOTAL	27,522	9,944	3,669	293	41,428

Note: - See note on page III-0.
- In the 60th Street sector, bicycle counts are not available for the early morning hours.

SECTION G
BICYCLE VOLUMES BY FACILITY
60TH STREET SECTOR, 2023-INBOUND

HOURS	1ST AVE	2ND AVE	3RD AVE	LEX. AVE	PARK AVE	MADISON AVE	5TH AVE	6TH AVE	7TH AVE	B'WAY	8TH AVE	9TH AVE	10TH AVE	11TH AVE	12TH AVE	HUDSON RIVER GREEN-WAY	TOTAL
12:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00am	2	199	-	33	23	2	53	-	66	56	7	62	3	37	-	133	676
7:00am	1	334	3	74	53	1	86	2	146	112	8	109	5	55	1	328	1,318
8:00am	2	533	6	125	70	4	119	11	226	167	11	168	11	67	-	463	1,983
9:00am	4	468	4	102	51	2	134	9	166	127	16	151	14	70	1	306	1,625
10:00am	2	374	8	154	51	-	113	12	148	104	23	176	13	63	-	202	1,443
11:00am	5	321	5	264	120	7	180	20	176	163	33	234	13	61	-	142	1,744
12:00pm	1	310	4	270	128	7	232	29	198	146	27	281	32	105	3	147	1,920
1:00pm	2	292	12	200	103	9	209	21	208	152	36	322	11	58	3	167	1,805
2:00pm	2	281	6	141	49	4	153	16	149	140	41	292	17	80	4	155	1,530
3:00pm	1	309	3	122	56	-	131	10	143	117	31	249	22	76	2	146	1,418
4:00pm	4	341	2	139	60	2	112	14	178	123	35	255	12	82	5	160	1,524
5:00pm	3	514	7	191	91	2	131	18	238	140	27	377	23	98	9	270	2,139
6:00pm	2	501	7	259	151	4	193	26	260	180	39	483	28	129	1	256	2,519
7:00pm	7	423	10	227	124	4	171	48	219	190	49	442	29	123	2	209	2,277
8:00pm	6	380	9	163	61	4	126	31	139	127	60	413	26	109	4	133	1,791
9:00pm	4	237	7	83	24	2	73	14	92	94	49	299	20	66	-	60	1,124
10:00pm	3	145	5	55	13	2	49	7	73	54	41	223	8	42	3	61	784
11:00pm	1	86	1	31	10	2	25	4	52	49	30	139	10	25	2	22	489
TOTAL	52	6,048	99	2,633	1,238	58	2,290	292	2,877	2,241	563	4,675	297	1,346	40	3,360	28,109

Notes:

- See note on page III-0.
- Bicycles travelling on the sidewalk and going against traffic are counted as reverse flow.
- In the 60th Street sector, bicycle counts are not available for the early morning hours.

SECTION G

BICYCLE VOLUMES BY LOCATION

60TH STREET SECTOR, 2023-OUTBOUND

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HOURS	1ST AVE	2ND AVE	3RD AVE	LEX. AVE	PARK AVE	MADISON AVE	5TH AVE	6TH AVE	7TH AVE	B'WAY	8TH AVE	9TH AVE	10TH AVE	11TH AVE	12TH AVE	HUDSON RIVER GREEN-WAY	TOTAL
12:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5:00am	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00am	90	2	17	1	19	27	2	114	3	5	89	4	22	9	2	82	488
7:00am	139	5	59	5	54	46	2	171	2	6	125	8	34	8	2	153	819
8:00am	238	2	89	7	49	68	1	255	1	12	147	10	47	8	10	179	1,123
9:00am	140	6	75	3	29	47	5	198	3	10	156	15	42	10	11	160	910
10:00am	133	7	87	8	19	59	3	185	4	7	176	16	75	5	10	120	914
11:00am	139	7	172	12	92	171	6	323	15	21	261	15	98	9	7	127	1,475
12:00pm	163	10	247	20	107	212	2	407	18	18	275	31	123	18	7	120	1,778
1:00pm	213	16	216	22	72	172	2	341	12	27	302	27	149	13	7	118	1,709
2:00pm	216	4	151	15	44	107	6	301	13	4	277	22	117	19	8	159	1,463
3:00pm	281	7	139	6	41	102	3	283	4	10	249	26	107	16	11	185	1,470
4:00pm	344	8	126	7	34	102	3	326	10	24	307	34	124	20	19	299	1,787
5:00pm	455	17	200	9	56	95	2	502	22	7	397	36	167	22	18	426	2,431
6:00pm	494	24	258	13	93	177	-	560	20	16	498	37	229	25	23	452	2,919
7:00pm	353	16	264	23	101	174	1	445	31	21	458	50	208	37	17	338	2,537
8:00pm	347	16	256	19	49	104	4	352	10	19	364	37	227	27	9	186	2,026
9:00pm	337	17	176	10	40	79	4	255	9	26	278	48	183	12	6	144	1,624
10:00pm	298	12	123	7	28	31	-	218	5	9	206	46	107	12	7	119	1,228
11:00pm	208	1	69	3	8	25	-	130	3	9	160	45	69	5	5	81	821
TOTAL	4,588	177	2,724	190	935	1,798	46	5,366	185	251	4,725	507	2,128	275	179	3,448	27,522

- Notes:
- See note on page III-0.
 - Bicycles travelling on the sidewalk and going against traffic are counted as reverse flow.
 - In the 60th Street sector, bicycle counts are not available for the early morning hours.

SECTION G
BICYCLE VOLUMES BY LOCATION
BROOKLYN, QUEENS, and STATEN ISLAND SECTORS, 2023-INBOUND

HOURS	BROOKLYN				QUEENS	STATEN ISLAND	TOTAL
	WILLIAMSBURG BRIDGE	BROOKLYN BRIDGE	MANHATTAN BRIDGE	BROOKLYN TOTAL	ED KOCH QUEENSBORO BRIDGE	ABOARD FERRY	
12:00am	37	15	19	71	16	1	88
1:00am	20	5	11	36	14	0	50
2:00am	9	9	8	26	4	1	31
3:00am	8	6	5	19	18	4	41
4:00am	19	16	14	49	44	5	98
5:00am	53	36	34	123	163	17	303
6:00am	188	90	93	371	340	38	749
7:00am	326	233	216	775	459	46	1,280
8:00am	499	384	401	1,284	554	44	1,882
9:00am	449	329	388	1,166	410	16	1,592
10:00am	302	149	271	722	388	12	1,122
11:00am	222	126	166	514	239	12	765
12:00pm	149	110	124	383	126	10	519
1:00pm	168	77	111	356	141	8	505
2:00pm	160	92	127	379	158	11	548
3:00pm	216	84	140	440	214	5	659
4:00pm	198	99	128	425	193	17	635
5:00pm	252	108	185	545	219	16	780
6:00pm	276	118	198	592	137	8	737
7:00pm	218	85	143	446	82	4	532
8:00pm	146	48	100	294	59	5	358
9:00pm	91	42	65	198	47	3	248
10:00pm	93	33	50	176	41	5	222
11:00pm	61	15	46	122	36	1	159
TOTAL	4,160	2,309	3,043	9,512	4,102	289	13,903

Note: See note on page III-0.

SECTION G
BICYCLE VOLUMES BY LOCATION
BROOKLYN, QUEENS, and STATEN ISLAND SECTORS, 2023-OUTBOUND

HOURS	BROOKLYN				QUEENS	STATEN ISLAND	TOTAL
	WILLIAMSBURG BRIDGE	BROOKLYN BRIDGE	MANHATTAN BRIDGE	BROOKLYN TOTAL	ED KOCH QUEENSBORO BRIDGE	ABOARD FERRY	
12:00am	103	35	73	211	137	11	359
1:00am	60	17	26	103	58	1	162
2:00am	40	17	25	82	39	6	127
3:00am	23	6	8	37	18	4	59
4:00am	12	6	14	32	12	3	47
5:00am	8	11	22	41	27	3	71
6:00am	37	32	37	106	51	5	162
7:00am	70	49	79	198	86	4	288
8:00am	90	63	99	252	76	6	334
9:00am	103	62	92	257	66	1	324
10:00am	85	83	107	275	55	6	336
11:00am	76	80	98	254	61	5	320
12:00pm	106	59	106	271	99	10	380
1:00pm	129	118	113	360	83	1	444
2:00pm	178	105	142	425	180	18	623
3:00pm	233	174	163	570	242	12	824
4:00pm	253	230	219	702	362	22	1,086
5:00pm	489	386	395	1,270	404	34	1,708
6:00pm	529	335	399	1,263	359	39	1,661
7:00pm	416	224	265	905	297	22	1,224
8:00pm	284	126	194	604	230	29	863
9:00pm	305	137	278	720	237	11	968
10:00pm	266	111	212	589	264	25	878
11:00pm	209	72	136	417	226	15	658
TOTAL	4,104	2,538	3,302	9,944	3,669	293	13,906

Note: See note on page III-0.

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Appendix IV

List of Data Sources - 2023

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LIST OF DATA SOURCES

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

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

Rail Rapid Transit

This information is generated from:

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

Suburban Rail Transit

This information is generated from:

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

Ferry Transit

This information is generated from:

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

Aerial Tramway

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

Bicycle

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

Motor Vehicles

This information is generated from:

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