

2015 New York City Screenline Traffic Flow



Bill de Blasio
Mayor



Polly Trottenberg
Commissioner

A member of the New York Metropolitan Transportation Council

2015 New York City Screenline Traffic Flow

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Prepared by:
New York City Department of Transportation

Polly Trottenberg
Commissioner

Margaret Forgione
Chief Operating Officer

Joseph Jarrin,
Executive Deputy Commissioner for Strategic and Agency Services

Ryan Russo
Deputy Commissioner

Charles Ukegbu,
Assistant Commissioner, Regional & Strategic Planning

Naim Rasheed
Senior Director, Traffic Engineering & Planning

Alexander M. Keating
Director of Special Projects

Richard P. Roan
Special Projects

Danny Yoder
Special Projects

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2015
NEW YORK CITY
SCREENLINE TRAFFIC FLOW



2,243,627

daily vehicles crossed the 32 monitored City border screenline locations in 2015.

1.2% Increase

from the 2,216,245 daily vehicles recorded in 2014.

6:00am – 10:00am

272,866 vehicles entered New York City from Nassau, Westchester, and New Jersey during the morning rush period.

George Washington Bridge

is the most heavily traveled route to and from the City, serving a 2-way total of 295,120 daily vehicles.

Henry Hudson Parkway at the Bronx-Westchester screenline.

Queens-Nassau

The highest volumes were at the 15 monitored Queens-Nassau border locations: 959,660 daily vehicles in 2015 (42.8% of total monitored traffic at the City borders).

Bronx-Westchester

622,479 daily vehicles crossed the 11 monitored Bronx-Westchester border locations (27.7% of the total monitored traffic at the City borders).

Manhattan-New Jersey

498,270 daily vehicles crossed the Hudson River between Manhattan and New Jersey (22.2%).

Staten Island-New Jersey

163,218 daily vehicles traveled between Staten Island and New Jersey (7.3%).



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Introduction



**South Conduit Avenue Eastbound & Sunrise Highway Westbound
at Queens-Nassau Screenline
Looking West**

INTRODUCTION

The 2015 *New York City Screenline Traffic Flow* report is an annual publication prepared by the New York City Department of Transportation (NYCDOT), and funded by the Unified Planning Work Program (UPWP) under the Planning Program of the Moving Ahead for Progress (MAP-21) Act.

The report presents vehicular volumes and historical comparisons across the Bronx–Westchester, Queens–Nassau, Manhattan–New Jersey, Staten Island–New Jersey, and Brooklyn–Queens screenlines.

The average hourly volumes by direction for 2015 are presented in tabular form and in histograms for each monitored roadway facility. Historical comparisons are based on screenline data collected in 1963, 1973, 1982, 1986, and 1993-2014. The statistical analysis presented in the report was performed by staff of NYCDOT during the 2015–2016 and 2016–2017 program years.

Each of the 47 screenline monitoring locations has been classified under a highway functional classification system. Functional classification is the method by which streets and highways are grouped into classes, or systems, according to the character of service each roadway provides.

The five functional classifications are defined as follows:

1. Interstate - connects population centers across state lines.
2. Principal Arterial - serves major centers of activity of an urban area and carries a high proportion of the total urban area travel on a minimum of mileage.
3. Minor Arterial - interconnects with and augments urban principal arterials; provides service for trips of moderate length at a somewhat lower level of travel mobility than principal arterials; distributes travel to geographic areas smaller than those identified with the higher system.
4. Collector Street - provides both land access service and traffic circulation within residential neighborhoods, and commercial and industrial areas. Differs from the arterial systems in that facilities on the collector system may penetrate residential neighborhoods, distributing trips from arterials to the ultimate destination. Conversely, collector streets also collect traffic from local streets in residential neighborhoods and channel it into the arterial system.
5. Local Street - comprises all facilities not on one of the higher systems. Serves primarily to provide direct access to abutting land and access to the higher order systems. Offers the lowest level of mobility and usually contains no bus or truck route.

Note: NYCDOT uses the averages of vehicular volumes from selected representative weekdays. Publications from other sources may be based on alternative computation methodologies for some facilities, notably the tolled bridges and tunnels, possibly yielding different results for those facilities.

Summary



**Major Deegan Expressway at Bronx-Westchester Screenline
Looking South**

SUMMARY

2015 Daily Traffic

- 2,243,627 motor vehicles crossed the 32 New York City border screenline monitoring locations on a typical weekday in 2015, an increase of 1.2% from the 2,216,245 daily vehicles recorded in 2014.
 - 42.8% of recorded vehicles were at the Queens–Nassau border (959,660 daily vehicles).
 - 27.7% at the Bronx–Westchester border (622,479 daily vehicles).
 - 22.2% at the three Manhattan–New Jersey river crossings operated by the Port Authority of New York and New Jersey (498,270 daily vehicles).
 - 7.3% at the three Port Authority Staten Island–New Jersey bridges (163,218 daily vehicles).
- During the 6-7 am inbound morning peak hour, 74,681 vehicles entered the City limits from Nassau, Westchester, and New Jersey. Between 6-10 am, a total of 272,866 vehicles entered the City.
- During the 5-6 pm outbound evening peak hour, 76,746 vehicles left the City. Between 3-7 pm, 301,270 left.
- Traffic crossing the City boundaries was heavy throughout the day. The combined total of entries and departures exceeded 100,000 vehicles per hour continuously from 6 am until 9 pm.

Bronx - Westchester

- On a typical 2015 weekday, 622,479 vehicles crossed the eleven Bronx-Westchester screenline monitoring locations, 0.4% more than the 620,176 daily vehicles recorded in 2014.
- 87.5% of the recorded vehicles (544,895 per day) were on the five limited access highways (interstate and principal arterials) that cross the screenline. The breakdown among the five limited access facilities was as follows.
 - Heaviest volume on the New England Thruway: 135,565 daily vehicles, 21.8% of the Bronx-Westchester screenline total.
 - 125,157 on the Major Deegan Expressway and service roads, 20.1%.
 - 99,338 on the Henry Hudson Parkway, 16.0%.
 - 97,157 on the Bronx River Parkway, 15.6%.
 - 87,678 on the Hutchinson River Parkway, 14.1%.
- Boston Road is the busiest principal arterial monitored, with 23,114 vehicles per day, 3.7% of the screenline total.

- During the 7-8 am inbound morning peak hour, 23,067 vehicles entered The Bronx from Westchester, with 87.0% (20,070 vehicles) using the five limited access facilities according to the following breakdown.
 - 4,763 on the Henry Hudson Parkway.
 - 4,042 on the Major Deegan Expressway and its service road.
 - 3,702 on the New England Thruway.
 - 3,423 on the Hutchinson River Parkway.
 - 4,140 on the Bronx River Parkway.
- Between 6-10 am, 79,216 vehicles entered The Bronx, with 87.9% (69,644 vehicles) using the five limited access facilities as follows.
 - 15,203 on the Major Deegan Expressway and its service road.
 - 15,421 on the Henry Hudson Parkway.
 - 13,428 on the New England Thruway.
 - 13,917 on the Bronx River Parkway.
 - 11,675 on the Hutchinson River Parkway.
- During the 4-5 pm outbound evening peak hour, 21,293 vehicles crossed from The Bronx into Westchester. A total of 18,602 (87.4% of the total) used the five limited access highways as follows.
 - 4,502 on the Major Deegan Expressway and its service road.
 - 3,630 on the Henry Hudson Parkway.
 - 4,059 on the Bronx River Parkway.
 - 3,782 on the New England Thruway.
 - 2,629 on the Hutchinson River Parkway.
- Between 3-7 pm, 83,397 vehicles left The Bronx, with 72,661 (87.1%) using the five limited access facilities as follows.
 - 17,683 on the Major Deegan Expressway and its service road.
 - 14,922 on the New England Thruway.
 - 14,425 on the Henry Hudson Parkway.
 - 15,581 on the Bronx River Parkway.
 - 10,050 on the Hutchinson River Parkway.
 - Heavy Reverse Traffic 3-7 pm: 78,052 vehicles inbound to The Bronx, 83,397 outbound to Westchester.

Queens - Nassau

- A total of 959,660 motor vehicles crossed the fifteen Queens-Nassau screenline monitoring locations on a typical 2015 weekday, 0.3% fewer than the 962,639 daily vehicles recorded in 2014

- The three limited access highways that cross the screenline accommodated more than half (57.5%) of the recorded vehicles (552,079 per day).
 - 220,988 on the Long Island Expressway and its service roads (23.0%).
 - 166,150 on the Laurelton Parkway (17.3%).
 - 164,941 on the Grand Central Parkway and its service road (17.2%).
- Busiest Queens-Nassau Screenline arterials:
 - Rockaway Boulevard, 75,001 vehicles per day.
 - Sunrise Highway/South Conduit Avenue, 67,725 vehicles per day.
 - Northern Boulevard, 40,690 per day.
 - Hempstead Avenue, 40,078 vehicles per day.
- During the 6-7 am inbound morning peak hour, 29,884 vehicles entered Queens from Nassau. A total of 18,027 of those vehicles (60.3% of the total) were on the three limited access facilities.
 - 7,091 on the Long Island Expressway and service road.
 - 5,469 on the Laurelton Parkway.
 - 5,467 on the Grand Central Parkway and service road.
- Between 8-9 am, 30,929 vehicles entered Nassau from Queens, including 17,557 (56.8% of the total) using the three limited access facilities.
 - 6,318 on the Long Island Expressway and service road.
 - 6,436 on the Grand Central Parkway and service road.
 - 4,803 on the Laurelton Parkway.
- During the 6-10 am rush period, 109,452 vehicles entered Queens from Nassau, and 105,056 entered Nassau from Queens. The three limited access facilities served 60,954 of the Queens-bound vehicles, and 63,035 of the Nassau-bound vehicles.
 - Long Island Expressway and service roads: 24,795 to Queens; 23,186 to Nassau.
 - Laurelton Parkway: 17,419 to Queens; 18,117 to Nassau.
 - Grand Central Parkway and its service road: 18,740 to Queens; 21,732 to Nassau.
- The evening outbound peak hour occurred between 4-5 pm, when 31,069 vehicles entered Nassau from Queens. The three limited access facilities were used by 16,200 of these Nassau-bound vehicles.
 - 6,049 on the Long Island Expressway and service road.
 - 5,547 on the Laurelton Parkway.
 - 4,604 on the Grand Central Parkway and service road.

- The evening inbound peak hour occurred between 5-6 pm, when 30,804 vehicles entered Queens from Nassau. The three limited access facilities were used by 16,791 of these Queens-bound vehicles.
 - 6,732 on the Long Island Expressway and service road.
 - 4,573 on the Laurelton Parkway.
 - 5,486 on the Grand Central Parkway and service road.
- During the 3-7 pm rush period, 123,410 vehicles entered Nassau from Queens, and 116,378 entered Queens from Nassau. The three limited access facilities were used by 65,907 of the Nassau-bound vehicles and 64,561 of the Queens-bound vehicles.
 - Long Island Expressway and service roads: 23,859 to Nassau; 26,307 to Queens.
 - Laurelton Parkway: 22,522 to Nassau; 17,091 to Queens.
 - Grand Central Parkway and service road: 19,526 to Nassau; 21,163 to Queens.
- Volumes were heavy throughout the day between Queens and Nassau, with 2-way traffic exceeding 40,000 vehicles per hour continuously between 6 am and 9 pm.

New York – New Jersey

- On a fall 2015 weekday, 661,488 motor vehicles traveled between New York City and New Jersey via the six bridges and tunnels operated by the Port Authority of New York and New Jersey (PANYNJ), 4.4% more than the 633,430 daily vehicles recorded in 2014.
- Manhattan-New Jersey traffic increased 4.3%, to 498,270 daily vehicles in 2015 from 477,812 in 2014.
 - George Washington Bridge traffic increased 5.1%, to 295,120 daily vehicles in 2015 from 280,784 in 2014. This is the busiest of all New York City screenline locations, carrying 44.6% of total New York City-New Jersey traffic, and 59.2% of Manhattan-New Jersey traffic.
 - Holland Tunnel traffic increased 2.4%, to 89,267 daily vehicles in 2015 from 87,232 in 2014.
 - Lincoln Tunnel traffic increased 3.6%, to 113,783 daily vehicles in 2015 from 109,796 in 2014.
- 18,705 vehicles entered Manhattan from New Jersey during the 6-7 am morning peak hour. The George Washington Bridge was used by 11,059 (59.1%) of those Manhattan-bound peak hour vehicles.
- During the 6-10 am inbound rush period, Manhattan vehicle entries from New Jersey amounted to 65,048. The George Washington Bridge was the route for 57.7% of these 6-10 am entries (37,504 vehicles).
- 19,546 vehicles departed Manhattan for New Jersey during the 5-6 pm evening peak hour, with the George Washington Bridge accommodating 12,006 (61.4%) of those departing vehicles.
- During the 3-7 pm evening rush period, 73,671 vehicles crossed the Hudson River from Manhattan to New Jersey. The George Washington Bridge carried 61.0% of that departing traffic (44,968 vehicles).

- Staten Island-New Jersey traffic increased 4.9%, to 163,218 daily vehicles in 2015 from 155,618 in 2014.
 - Bayonne Bridge traffic decreased 28.5%, to 10,840 daily vehicles in 2015 from 15,166 in 2014. Major reconstruction activities reduced the capacity of this bridge in 2015.
 - Goethals Bridge traffic increased 11.6%, to 78,605 daily vehicles in 2015 from 70,419 in 2014. This increase was in large measure due to the major reconstruction on the nearby Bayonne Bridge.
 - Outerbridge Crossing traffic increased 5.3%, to 73,773 daily vehicles in 2015 from 70,033 in 2014.
- Between 6-10 am, 19,804 vehicles crossed from Staten Island to New Jersey while 19,150 vehicles entered Staten Island.
- Between 3-7 pm, traffic entering Staten Island from New Jersey amounted to 23,909 vehicles, while traffic bound for New Jersey totaled 20,792 vehicles.

Brooklyn - Queens

- On a typical 2015 weekday, 594,534 vehicles crossed the fifteen monitored Brooklyn-Queens screenline locations, 0.2% fewer than the 595,881 daily vehicles recorded in 2014.
- Except for the four bridges over Newtown Creek (monitored annually in the New York City Bridge Traffic Volumes report), traffic volumes at the Brooklyn-Queens screenline were analyzed for the first time in 1993.
- Over two-thirds (69.5%) of the vehicles (413,485 per day) crossing the Brooklyn-Queens screenline used the three limited access (interstate and principal arterial) facilities that cross the screenline: Jackie Robinson Parkway (formerly Interborough Parkway), Kosciuszko Bridge (Brooklyn-Queens Expressway), and Shore (Belt) Parkway.
- Some 43.8% (260,529 per day) were crossing Newtown Creek via the Grand Street, J.J. Byrne, Kosciuszko, and Pulaski Bridges.
- The Kosciuszko Bridge on the Brooklyn-Queens Expressway is the busiest Brooklyn-Queens screenline highway, with two-way daily volume of 179,137 daily vehicles, 30.1% of all traffic on the monitored thoroughfares and 68.8% of Newtown Creek crossings.
- Busiest Brooklyn-Queens Screenline arterials in 2015:
 - Belt Parkway (Shore Parkway), 166,331 vehicles per day.
 - Jackie Robinson Parkway, 68,017 vehicles per day.
 - Linden Boulevard, 43,183 vehicles per day.
 - Pulaski Bridge, 40,485 vehicles per day.
 - J.J. Byrne Memorial Bridge (Greenpoint Avenue Bridge), 28,361 vehicles per day.
 - Atlantic Avenue, 23,359 vehicles per day.

- Morning traffic to Brooklyn peaked between 7-8 am, when 19,052 vehicles entered Brooklyn.
 - 4,728 on the Kosciuszko Bridge.
 - 5,257 on the Belt Parkway (Shore Parkway).
- Morning traffic to Queens peaked also between 7-8 am, at 16,036 vehicles.
 - 4,809 on the Kosciuszko Bridge.
 - 4,550 on the Belt Parkway (Shore Parkway).
- During the 6-10 am rush period, 69,754 vehicles entered Brooklyn and 61,112 entered Queens.
 - Kosciuszko Bridge: 17,879 to Brooklyn; 18,691 to Queens.
 - Belt Parkway (Shore Parkway): 19,610 to Brooklyn; 17,541 to Queens.
- Evening traffic to Brooklyn peaked between 4-5 pm, with 16,732 vehicles entering Brooklyn from Queens.
 - 4,125 on Kosciuszko Bridge.
 - 4,570 on Belt Parkway (Shore Parkway).
- Evening traffic to Queens peaked between 5-6 pm, with 18,854 vehicles entering Queens from Brooklyn.
 - 4,519 on Kosciuszko Bridge.
 - 4,869 on Belt Parkway (Shore Parkway).
- During the 3-7 pm rush period, 72,951 vehicles entered Queens and 65,179 entered Brooklyn.
 - Kosciuszko Bridge: 17,997 to Queens; 16,640 to Brooklyn.
 - Belt Parkway (Shore Parkway): 19,529 to Queens; 18,267 to Brooklyn.

2014 vs. 2015

Screenline Traffic Volume Trends

Both Directions

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BRONX-WESTCHESTER	Highway Functional Classification	2014	2015	Percent Change
Boston Road	Principal Arterial	23,853	23,114	- 3.1 %
Broadway	Principal Arterial	14,106	14,837	5.2 %
Bronx River Parkway	Principal Arterial	92,642	97,157	4.9 %
Henry Hudson Parkway	Principal Arterial	99,823	99,338	- 0.5 %
Hutchinson River Parkway	Principal Arterial	90,029	87,678	- 2.6 %
Major Deegan Expressway *	Interstate	125,397	125,157	- 0.2 %
New England Thruway	Interstate	134,498	135,565	0.8 %
Riverdale Avenue	Principal Arterial	8,826	9,671	9.6 %
Van Cortlandt Park East	Minor Arterial	8,610	8,153	- 5.3 %
Webster Avenue	Local	9,523	9,691	1.8 %
White Plains Road	Principal Arterial	12,869	12,118	- 5.8 %
Total Bronx-Westchester Screenline		620,176	622,479	0.4 %

QUEENS-NASSAU				
Beach Channel Drive	Minor Arterial	21,005	21,973	4.6 %
Central Avenue	Minor Arterial	14,775	13,409	- 9.2 %
Grand Central Parkway *	Principal Arterial	163,782	164,941	0.7 %
Hempstead Avenue	Principal Arterial	38,886	40,078	3.1 %
Hillside Avenue	Principal Arterial	27,042	26,166	- 3.2 %
Jamaica Avenue	Principal Arterial	26,622	29,192	9.7 %
Laurelton Parkway	Principal Arterial	163,994	166,150	1.3 %
Linden Boulevard	Principal Arterial	25,204	26,933	6.9 %
Long Island Expressway *	Interstate	235,978	220,988	- 6.4 %
Merrick Boulevard	Minor Arterial	20,877	21,907	4.9 %
Northern Boulevard	Principal Arterial	41,956	40,690	- 3.0 %
Rockaway Boulevard	Principal Arterial	73,993	75,001	1.4 %
Seagirt Boulevard	Principal Arterial	20,719	22,775	9.9 %
Sunrise Highway	Principal Arterial	65,976	67,725	2.7 %
Union Turnpike	Principal Arterial	21,830	21,732	- 0.4 %
Total Queens-Nassau Screenline		962,639	959,660	- 0.3 %

* Includes Service Roads.

2014 vs. 2015

Screenline Traffic Volume Trends

Both Directions

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NEW YORK - NEW JERSEY	Highway Functional Classification	2014	2015	Percent Change
Manhattan - New Jersey				
George Washington Bridge	Interstate	280,784	295,120	5.1 %
Holland Tunnel	Interstate	87,232	89,367	2.4 %
Lincoln Tunnel	Principal Arterial	109,796	113,783	3.6 %
Subtotal, Manhattan - New Jersey		477,812	498,270	4.3 %
Staten Island - New Jersey				
Bayonne Bridge	Principal Arterial	15,166	10,840	- 28.5 %
Goethals Bridge	Interstate	70,419	78,605	11.6 %
Outerbridge Crossing	Principal Arterial	70,033	73,773	5.3 %
Subtotal, Staten Island - New Jersey		155,618	163,218	4.9 %
Total New York - New Jersey Screenline		633,430	661,488	4.4 %

NEW YORK CITY BORDERS TOTAL

Bronx - Westchester		620,176	622,479	0.4 %
Queens - Nassau		962,639	959,660	- 0.3 %
Manhattan - New Jersey		477,812	498,270	4.3 %
Staten Island - New Jersey		155,618	163,218	4.9 %
Total New York City Border Screenlines		2,216,245	2,243,627	1.2 %

2014 vs. 2015

Screenline Traffic Volume Trends

Both Directions

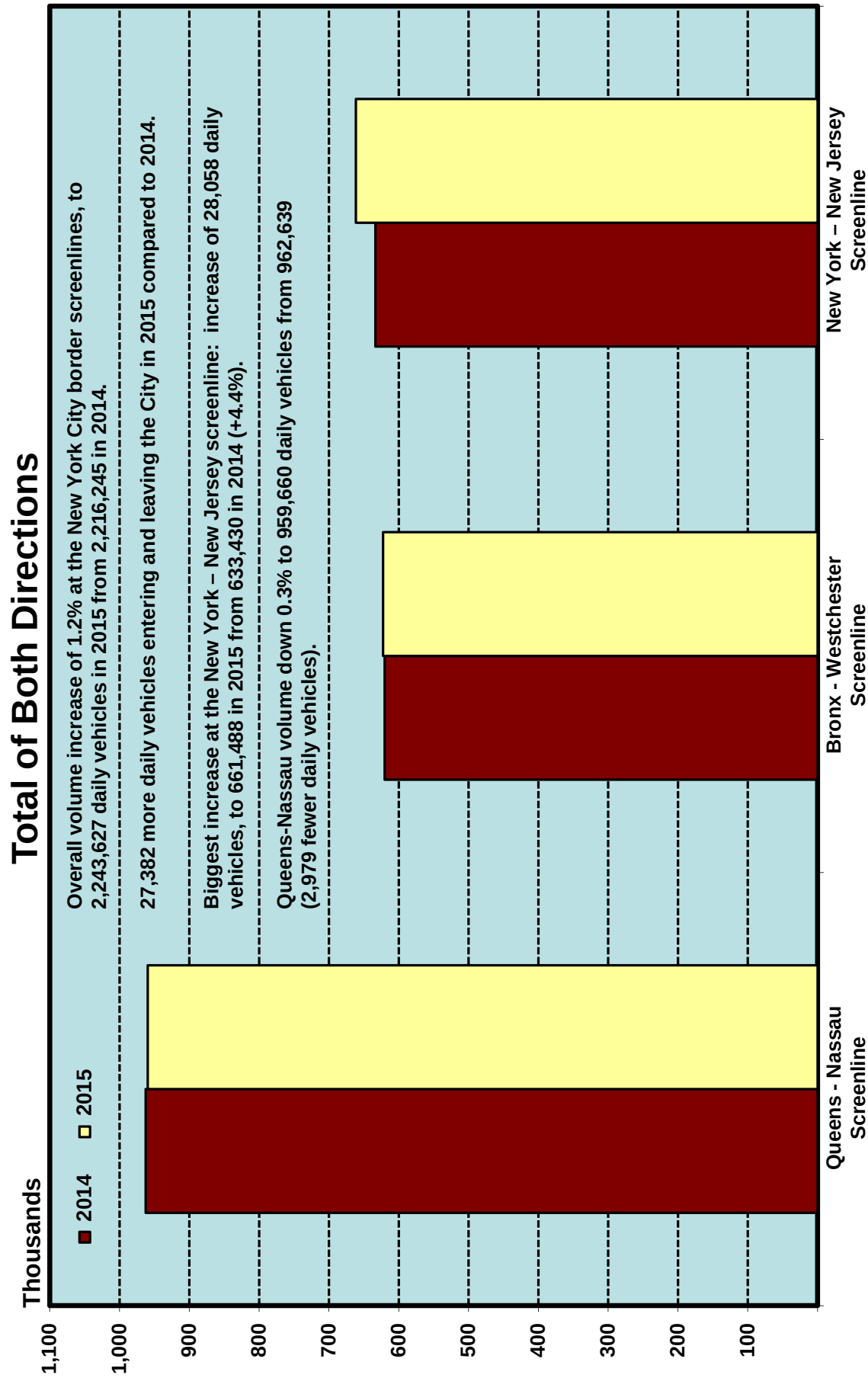
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BROOKLYN - QUEENS	Highway Functional Classification	2014	2015	Percent Change
Newtown Creek Bridges				
Grand Street Bridge	Principal Arterial	13,662	12,546	- 8.2 %
J.J. Byrne Memorial Bridge *	Principal Arterial	27,836	28,361	1.9 %
Kosciuszko Bridge	Interstate	184,025	179,137	- 2.7 %
Pulaski Bridge	Principal Arterial	40,405	40,485	0.2 %
Subtotal, Newtown Creek Bridges		265,928	260,529	- 2.0 %
Other Facilities				
Atlantic Avenue	Principal Arterial	24,515	23,359	- 4.7 %
Cooper Street	Minor Arterial	9,056	9,953	9.9 %
Cornelia Street	Local	1,743	1,952	12.0 %
Decatur Street	Collector	2,326	2,418	4.0 %
DeKalb Avenue	Minor Arterial	4,772	4,633	- 2.9 %
Greene Avenue	Minor Arterial	1,316	1,459	10.9 %
Jackie Robinson Parkway	Principal Arterial	67,905	68,017	0.2 %
Linden Boulevard	Principal Arterial	44,997	43,183	- 4.0 %
Linden Street	Collector	2,027	2,017	- 0.5 %
Shore Parkway	Principal Arterial	160,304	166,331	3.8 %
Sutter Avenue	Minor Arterial	10,992	10,683	- 2.8 %
Subtotal, Other Facilities		329,953	334,005	1.2 %
Total Brooklyn - Queens Screenline		595,881	594,534	- 0.2 %

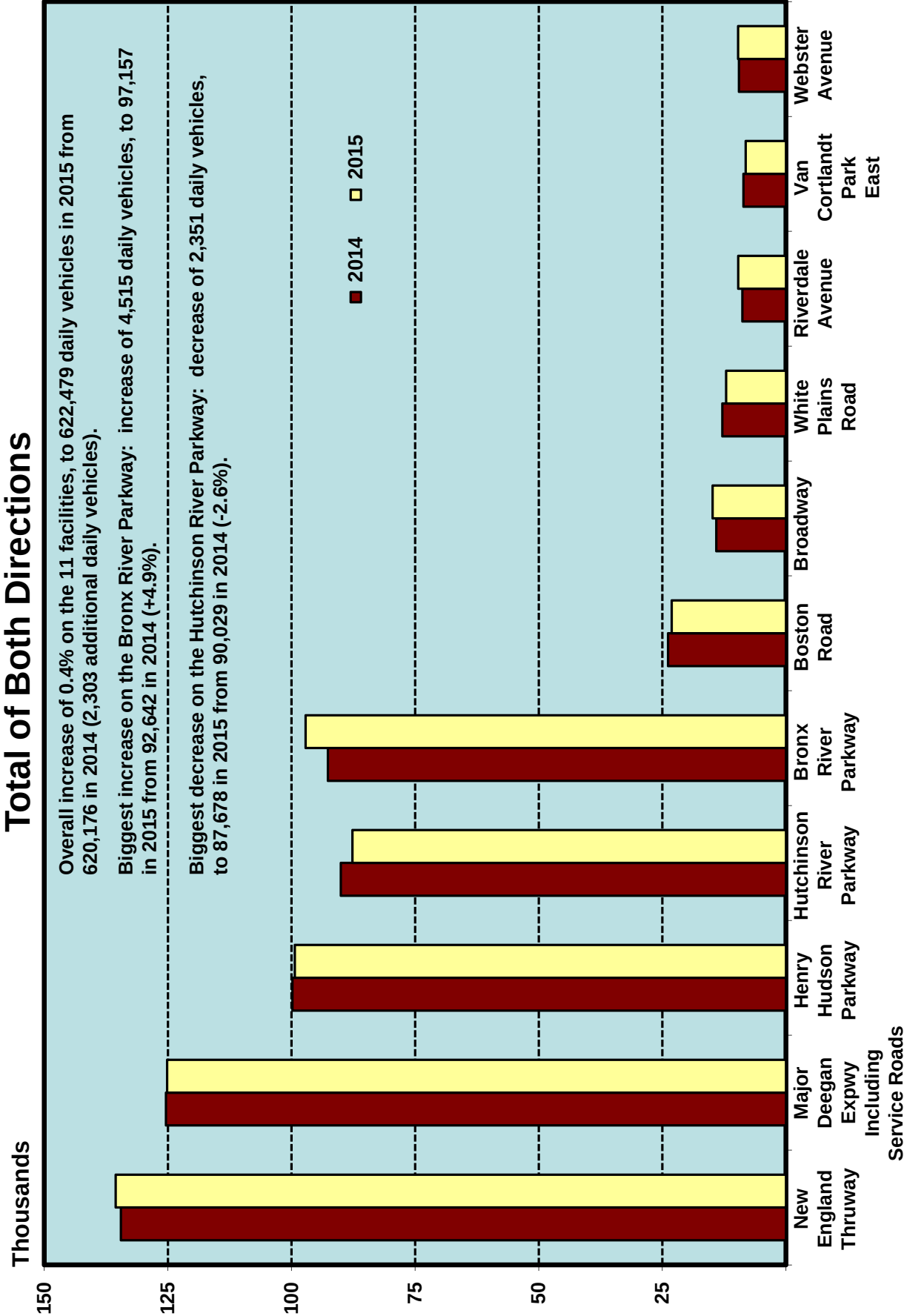
* J.J. Byrne Memorial Bridge also known as Greenpoint Avenue Bridge.

New York City Screenlines ~ Daily Volumes

2015 vs. 2014

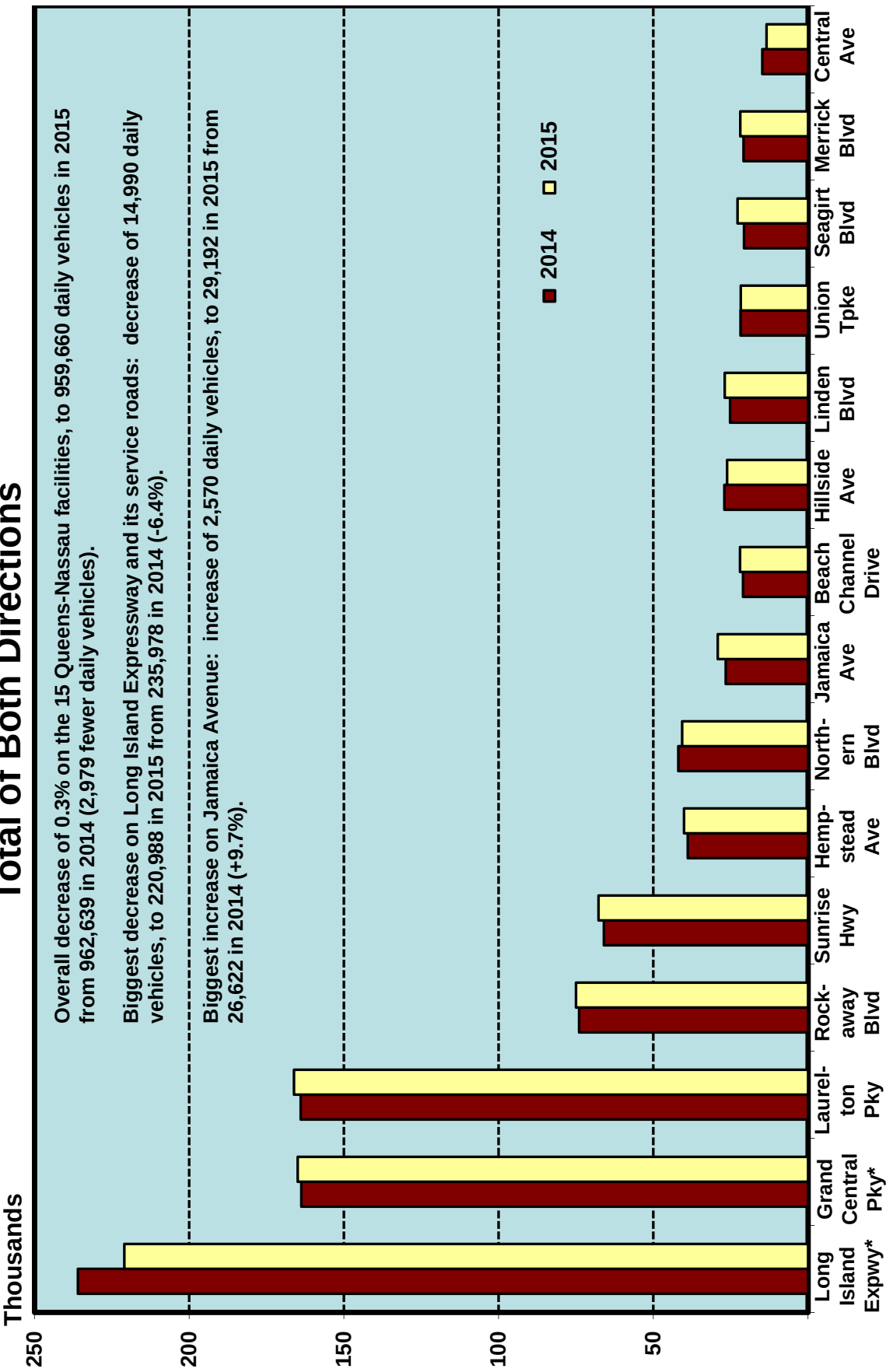


Bronx – Westchester Screenline Daily Volumes 2015 vs. 2014



Queens – Nassau Screenline Daily Volumes 2015 vs. 2014

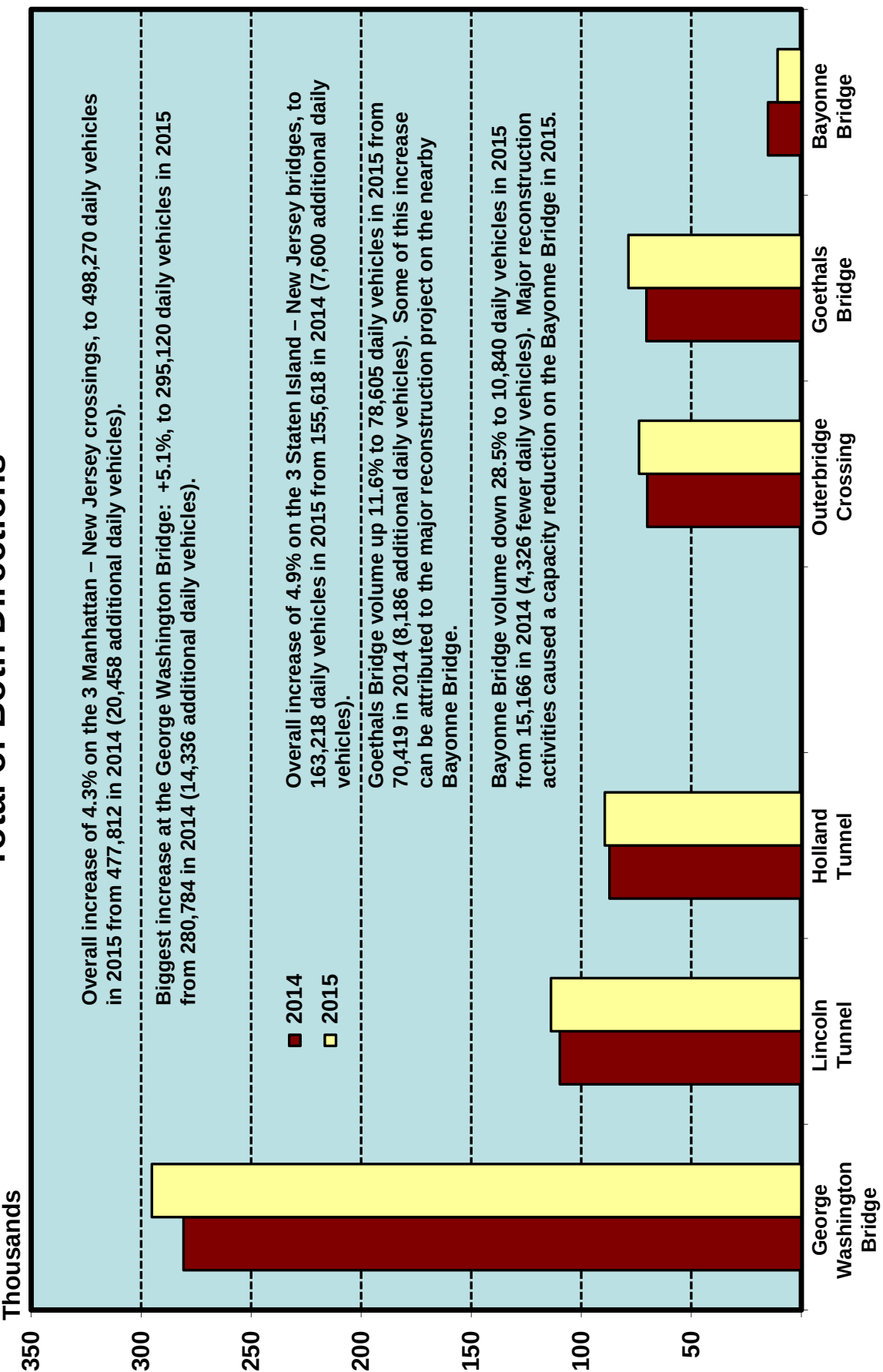
Total of Both Directions



* Includes service roads.

New York – New Jersey Screenline Daily Volumes 2015 vs. 2014

Total of Both Directions

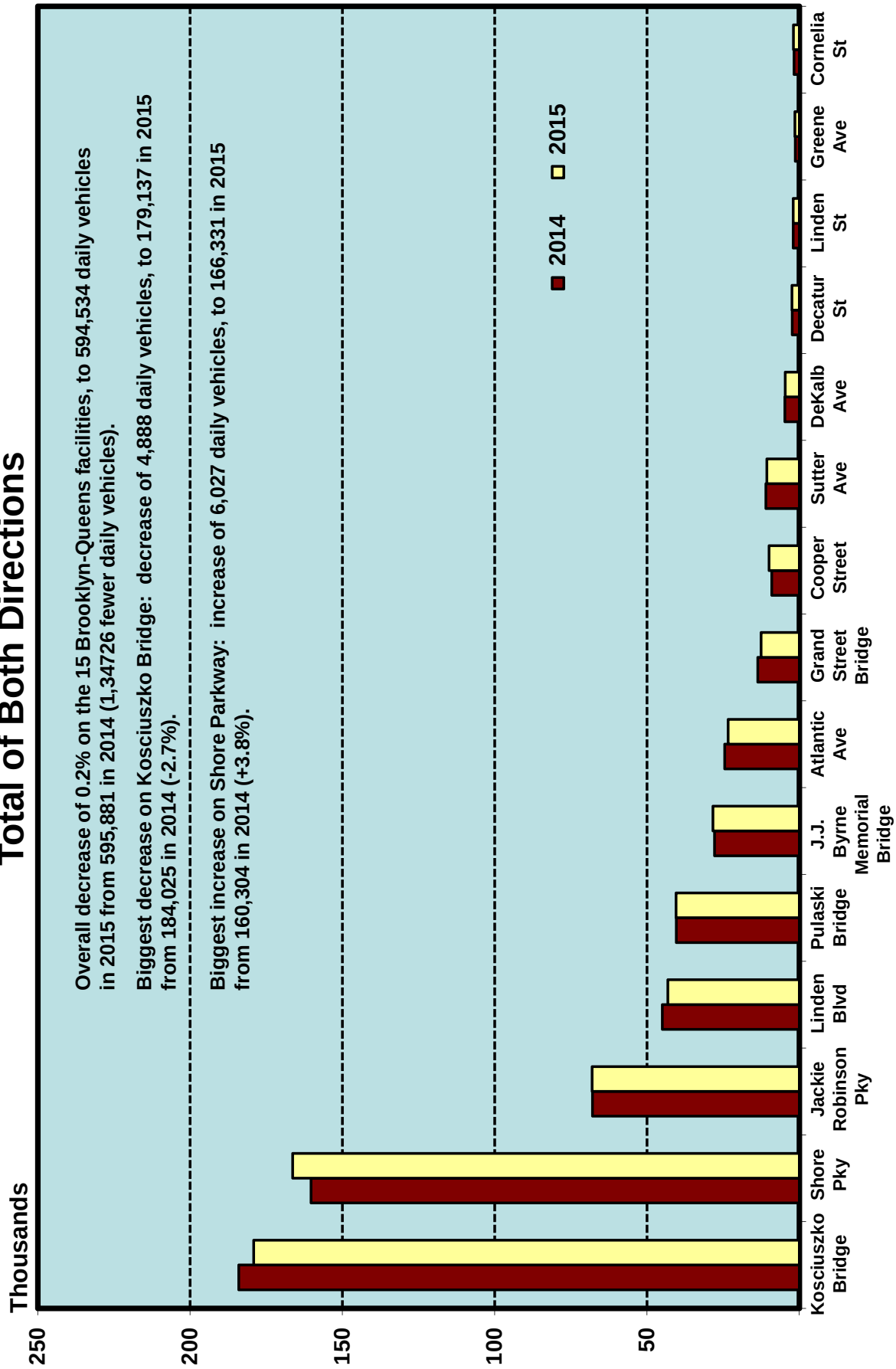


Manhattan – New Jersey Crossings

Staten Island – New Jersey Bridges

Brooklyn - Queens Screenline Daily Volumes 2015 vs. 2014

Total of Both Directions



10-Year Trends ~ 2005-2015



**Jackie Robinson Parkway at Brooklyn-Queens Screenline
Looking East**

TEN-YEAR TRENDS: 2005-2015

Total monitored traffic volume at the City boundaries decreased 2.1% during this ten-year period, to 2,243,627 daily vehicles in 2015 from 2,291,809 in 2005 (48,182 fewer daily vehicles).

Bronx – Westchester Screenline

- Overall decrease of 1.7% at the eleven Bronx-Westchester screenline monitoring sites, to 622,479 daily vehicles in 2015 from 633,350 in 2005 (10,871 fewer daily vehicles).
- Volume decreases on nine of the eleven monitored facilities.
- Largest decrease on the Hutchinson River Parkway: down by 4,577 daily vehicles, to 87,678 daily vehicles in 2015 from 92,255 in 2005 (-5.0%).
- Largest increase on the Major Deegan Expressway and its service roads: up 3.0% to 125,157 daily vehicles in 2015 from 121,557 in 2005 (+3,600 daily vehicles).

Queens – Nassau Screenline

- Overall increase of 0.1%, at the fifteen Queens-Nassau screenline monitoring locations, to 959,660 daily vehicles in 2015 from 959,089 in 2005 (571 additional daily vehicles).
- Largest increase on the Long Island Expressway and its service roads: up 19.6% to 220,988 daily vehicles in 2015 from 184,824 in 2005 (36,164 additional daily vehicles).
- Largest decrease on the Grand Central Parkway and its service road: decrease of 21,541 daily vehicles to 164,941 in 2015 from 186,392 in 2005 (-11.5%).

Manhattan – New Jersey Screenline

- Overall decrease of 5.6% on the three Hudson River crossings between Manhattan and New Jersey, to 498,270 daily vehicles in 2015 from 527,717 in 2005 (29,447 fewer daily vehicles).
- Decreases on all three Manhattan-New Jersey crossings.
- Largest decrease at the Lincoln Tunnel: decrease of 12,672 daily vehicles, to 113,783 in 2015 from 126,455 in 2005 (-10.0%).

Staten Island – New Jersey Screenline

- Overall decrease of 4.9% on the three Staten Island-New Jersey bridges, to 163,218 daily vehicles in 2015 from 171,653 in 2005 (8,435 fewer daily vehicles).
- Largest decrease on the Bayonne Bridge: -50.2%, to 10,840 daily vehicles in 2015 from 21,755 in 2005 (10,915 fewer daily vehicles).
- Only increase on the Goethals Bridge: increase of 14.3% to 78,605 daily vehicles in 2015 from 68,790 in 2005. This increase can be largely attributed to the major reconstruction on the nearby Bayonne Bridge during 2015.

Brooklyn – Queens Screenline

- Overall decrease of 3.3% at the fifteen monitored Brooklyn-Queens screenline locations, to 594,534 daily vehicles in 2015 from 614,892 in 2005 (20,358 fewer daily vehicles).
- Largest decrease on the Kosciuszko Bridge: decrease of 19,676 daily vehicles, to 179,137 in 2015 from 198,813 in 2005 (-9.9%).
- Largest increase on Shore Parkway: increase of 14,205 daily vehicles, to 166,331 in 2015 from 152,126 in 2005 (+9.3%).
- Decrease of 6,704 daily vehicles on Linden Boulevard, to 43,183 in 2015 from 49,887 in 2005 (-13.4%).
- Decrease of 5,510 daily vehicles on Jackie Robinson Parkway, to 68,017 in 2015 from 73,527 in 2005 (-7.5%).
- Decrease of 2,601 daily vehicles on Atlantic Avenue, to 23,359 in 2015 from 25,960 in 2005 (-10.0%).

10-Year Volume Trends ~ 2005 - 2015

New York City Screenline Traffic Volumes

Both Directions

Page 1 of 2

BRONX-WESTCHESTER	Highway Functional Classification	2005	2015	Percent Change
Boston Road	Principal Arterial	24,469	23,114	- 5.5 %
Broadway	Principal Arterial	16,452	14,837	- 9.8 %
Bronx River Parkway	Principal Arterial	94,470	97,157	2.8 %
Henry Hudson Parkway	Principal Arterial	101,107	99,338	- 1.7 %
Hutchinson River Parkway	Principal Arterial	92,255	87,678	- 5.0 %
Major Deegan Expressway *	Interstate	121,557	125,157	3.0 %
New England Thruway	Interstate	136,208	135,565	- 0.5 %
Riverdale Avenue	Principal Arterial	11,803	9,671	- 18.1 %
Van Cortlandt Park East	Minor Arterial	10,731	8,153	- 24.0 %
Webster Avenue	Local	11,324	9,691	- 14.4 %
White Plains Road	Principal Arterial	12,974	12,118	- 6.6 %
Total Bronx-Westchester Screenline		633,350	622,479	- 1.7 %

QUEENS-NASSAU

Beach Channel Drive	Minor Arterial	23,649	21,973	- 7.1 %
Central Avenue	Minor Arterial	14,671	13,409	- 8.6 %
Grand Central Parkway *	Principal Arterial	186,392	164,941	- 11.5 %
Hempstead Avenue	Principal Arterial	44,027	40,078	- 9.0 %
Hillside Avenue	Principal Arterial	26,527	26,166	- 1.4 %
Jamaica Avenue	Principal Arterial	31,620	29,192	- 7.7 %
Laurelton Parkway	Principal Arterial	169,154	166,150	- 1.8 %
Linden Boulevard	Principal Arterial	29,644	26,933	- 9.1 %
Long Island Expressway *	Interstate	184,824	220,988	19.6 %
Merrick Boulevard	Minor Arterial	19,535	21,907	12.1 %
Northern Boulevard	Principal Arterial	41,874	40,690	- 2.8 %
Rockaway Boulevard	Principal Arterial	73,344	75,001	2.3 %
Seagirt Boulevard	Principal Arterial	19,851	22,775	14.7 %
Sunrise Highway	Principal Arterial	71,008	67,725	- 4.6 %
Union Turnpike	Principal Arterial	22,969	21,732	- 5.4 %
Total Queens-Nassau Screenline		959,089	959,660	0.1 %

* Includes Service Roads.

10-Year Volume Trends ~ 2005 - 2015

New York City Screenline Traffic Volumes

Both Directions

Page 2 of 2

NEW YORK - NEW JERSEY	Highway Functional Classification	2005	2015	Percent Change
George Washington Bridge	Interstate	304,302	295,120	- 3.0 %
Holland Tunnel	Interstate	96,960	89,367	- 7.8 %
Lincoln Tunnel	Principal Arterial	126,455	113,783	- 10.0 %
Bayonne Bridge	Principal Arterial	21,755	10,840	- 50.2 %
Goethals Bridge	Interstate	68,790	78,605	14.3 %
Outerbridge Crossing	Principal Arterial	81,108	73,773	- 9.0 %
Total New York - New Jersey Screenline		699,370	661,488	- 5.4 %

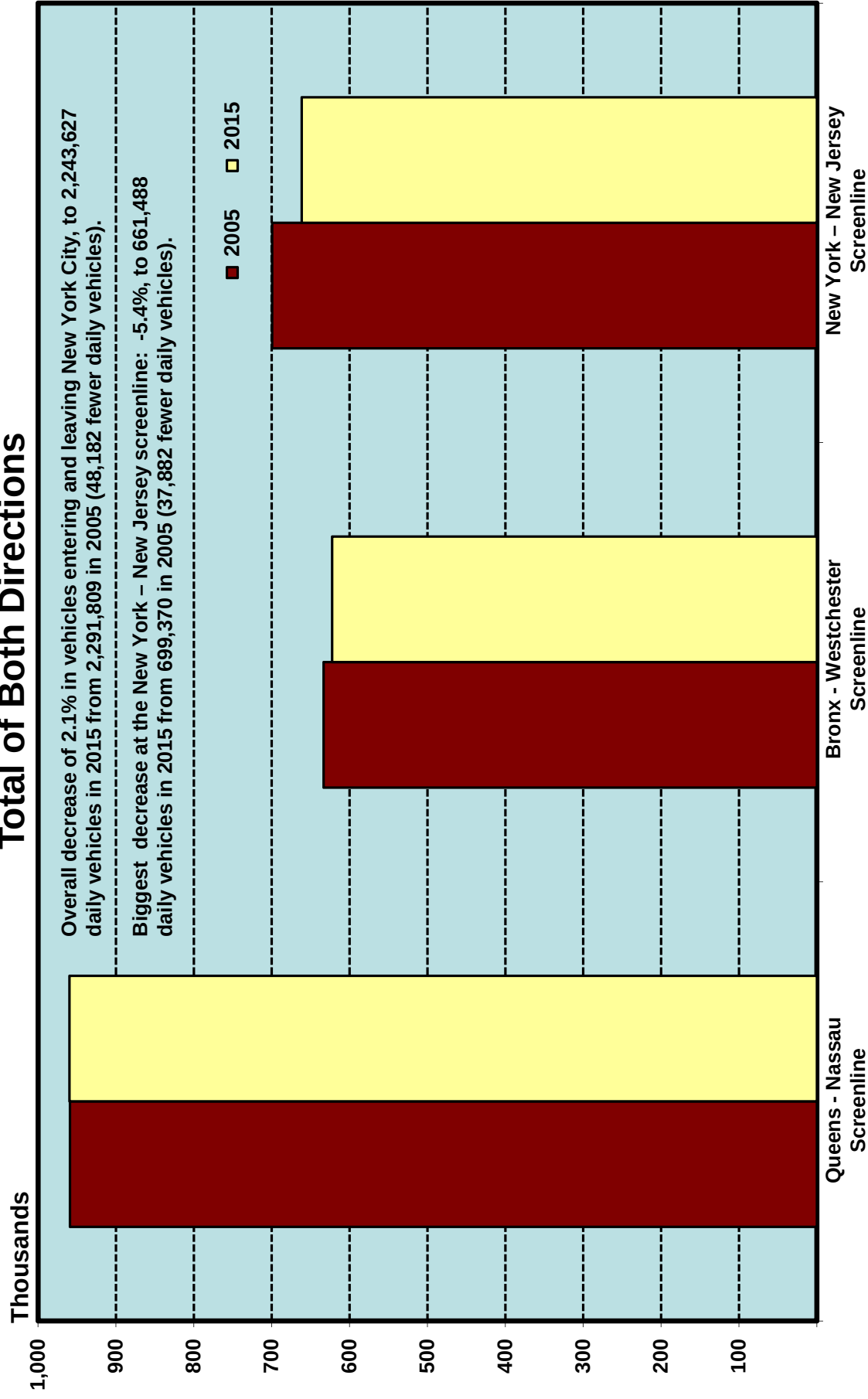
BROOKLYN - QUEENS	Highway Functional Classification	2005	2015	Percent Change
Newtown Creek Bridges				
Grand Street Bridge	Principal Arterial	13,016	12,546	- 3.6 %
J.J. Byrne Memorial Bridge *	Principal Arterial	29,449	28,361	- 3.7 %
Kosciuszko Bridge	Interstate	198,813	179,137	- 9.9 %
Pulaski Bridge	Principal Arterial	38,911	40,485	4.0 %
Subtotal, Newtown Creek Bridges		280,189	260,529	- 7.0 %
Other Facilities				
Atlantic Avenue	Principal Arterial	25,960	23,359	138.8 %
Cooper Street	Minor Arterial	9,782	9,953	#REF!
Cornelia Street	Local	1,787	1,952	9.2 %
Decatur Street	Collector	2,003	2,418	20.7 %
DeKalb Avenue	Minor Arterial	6,209	4,633	- 25.4 %
Greene Avenue	Minor Arterial	1,551	1,459	- 5.9 %
Jackie Robinson Parkway	Principal Arterial	73,527	68,017	- 7.5 %
Linden Boulevard	Principal Arterial	49,887	43,183	- 13.4 %
Linden Street	Collector	2,123	2,017	- 5.0 %
Shore Parkway	Principal Arterial	152,126	166,331	9.3 %
Sutter Avenue	Minor Arterial	9,748	10,683	9.6 %
Subtotal, Other Facilities		334,703	334,005	- 0.2 %
Total Brooklyn - Queens Screenline		614,892	594,534	- 3.3 %

* J.J. Byrne Memorial Bridge also known as Greenpoint Avenue Bridge.

10-Year Volume Changes ~ 2005 - 2015

New York City Screenlines Daily Volumes

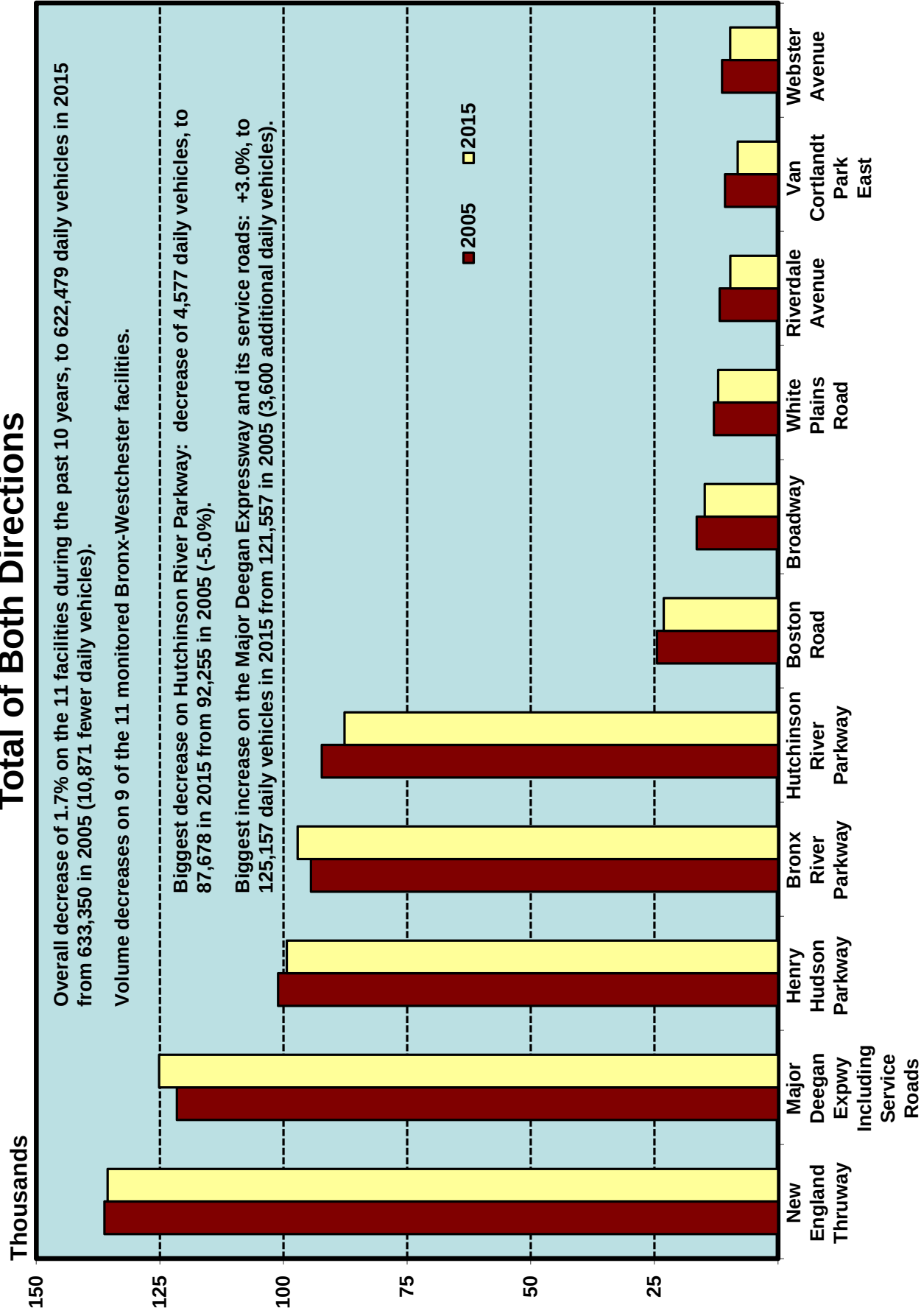
Total of Both Directions



10-Year Volume Changes ~ 2005 - 2015

Bronx – Westchester Screenline Daily Volumes

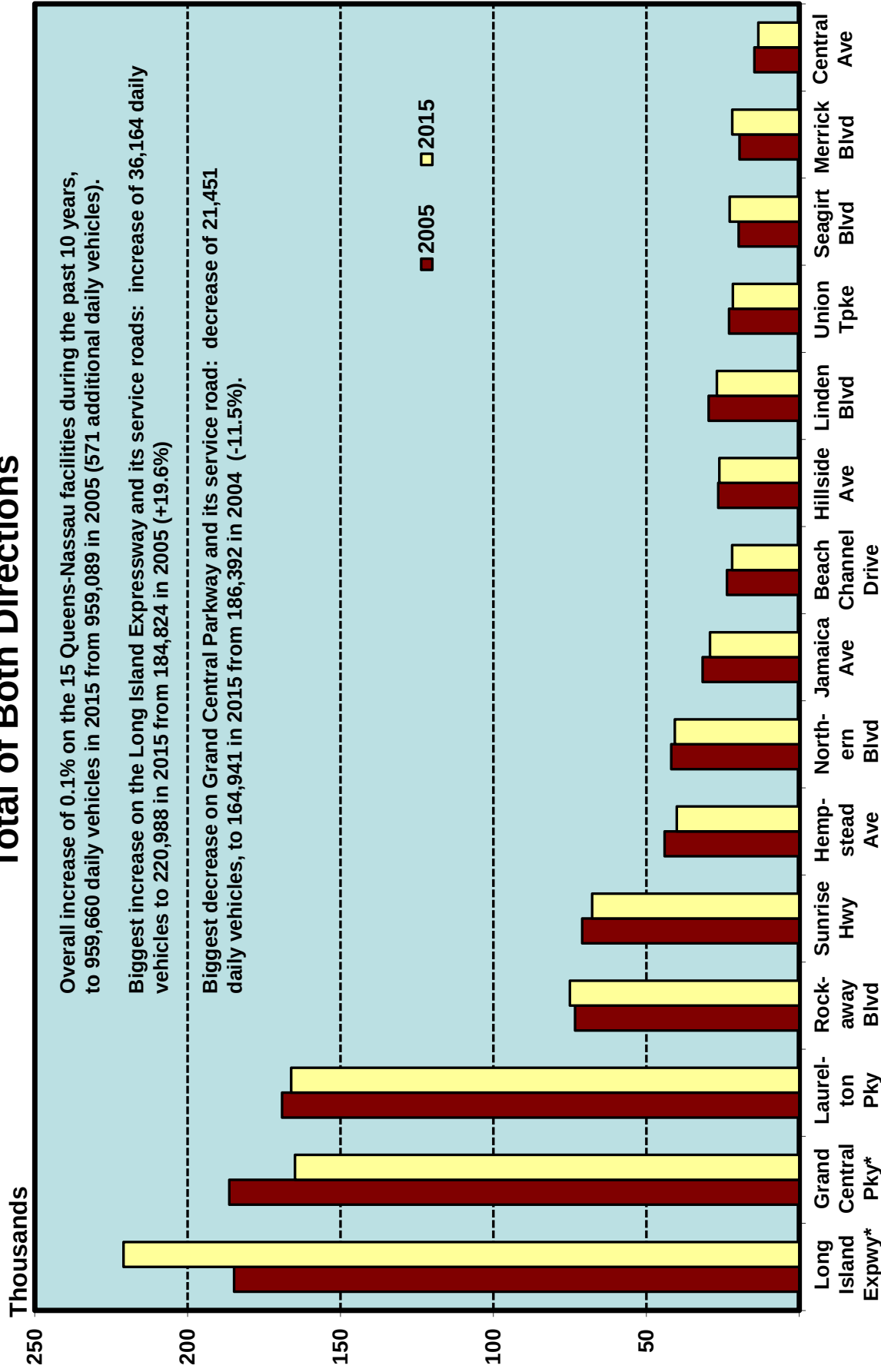
Total of Both Directions



10-Year Volume Changes ~ 2005 - 2015

Queens – Nassau Screenline Daily Volumes

Total of Both Directions

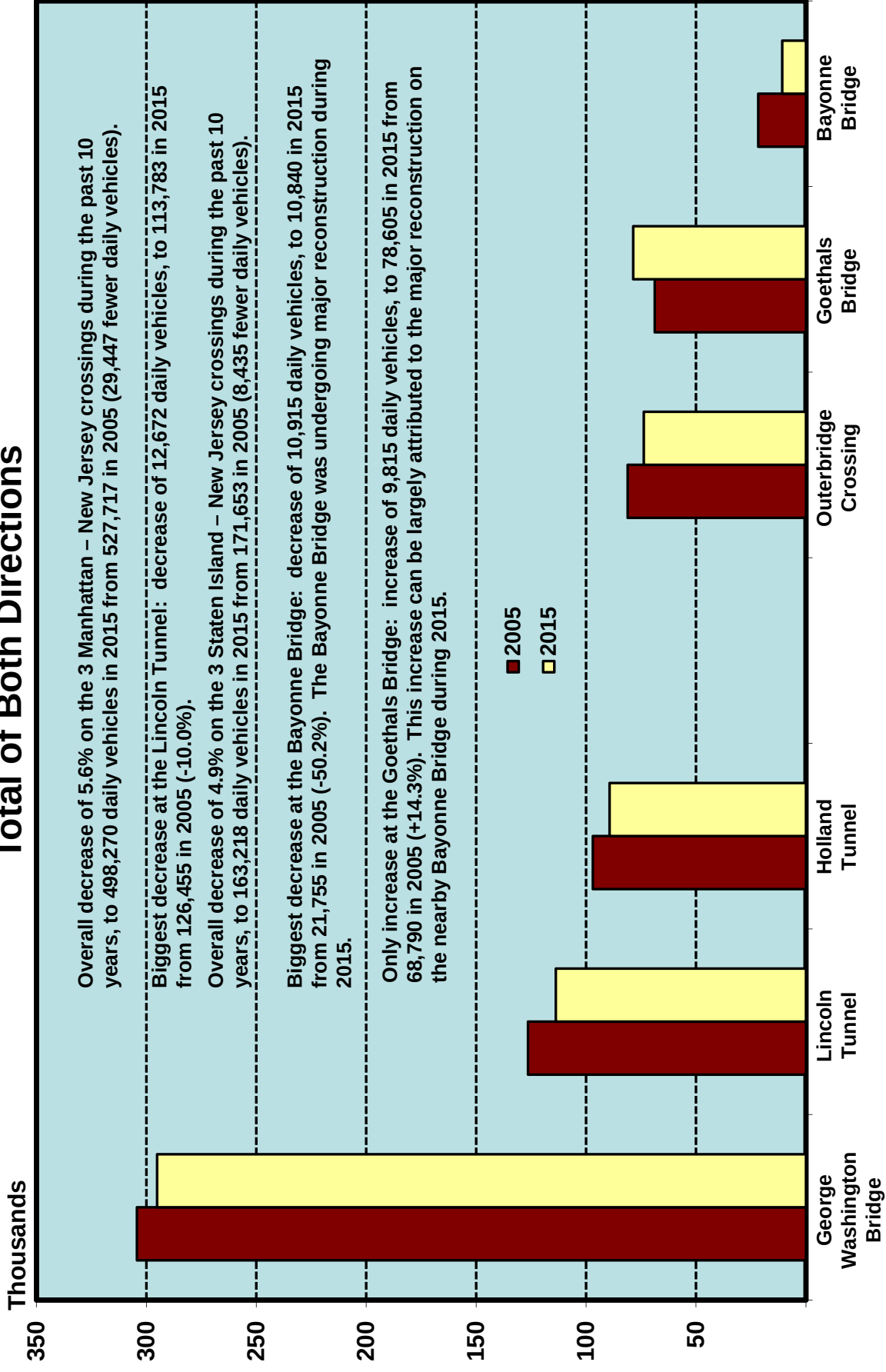


* Includes service roads.

10-Year Volume Changes ~ 2005 – 2015

New York – New Jersey Screenline Daily Volumes

Total of Both Directions



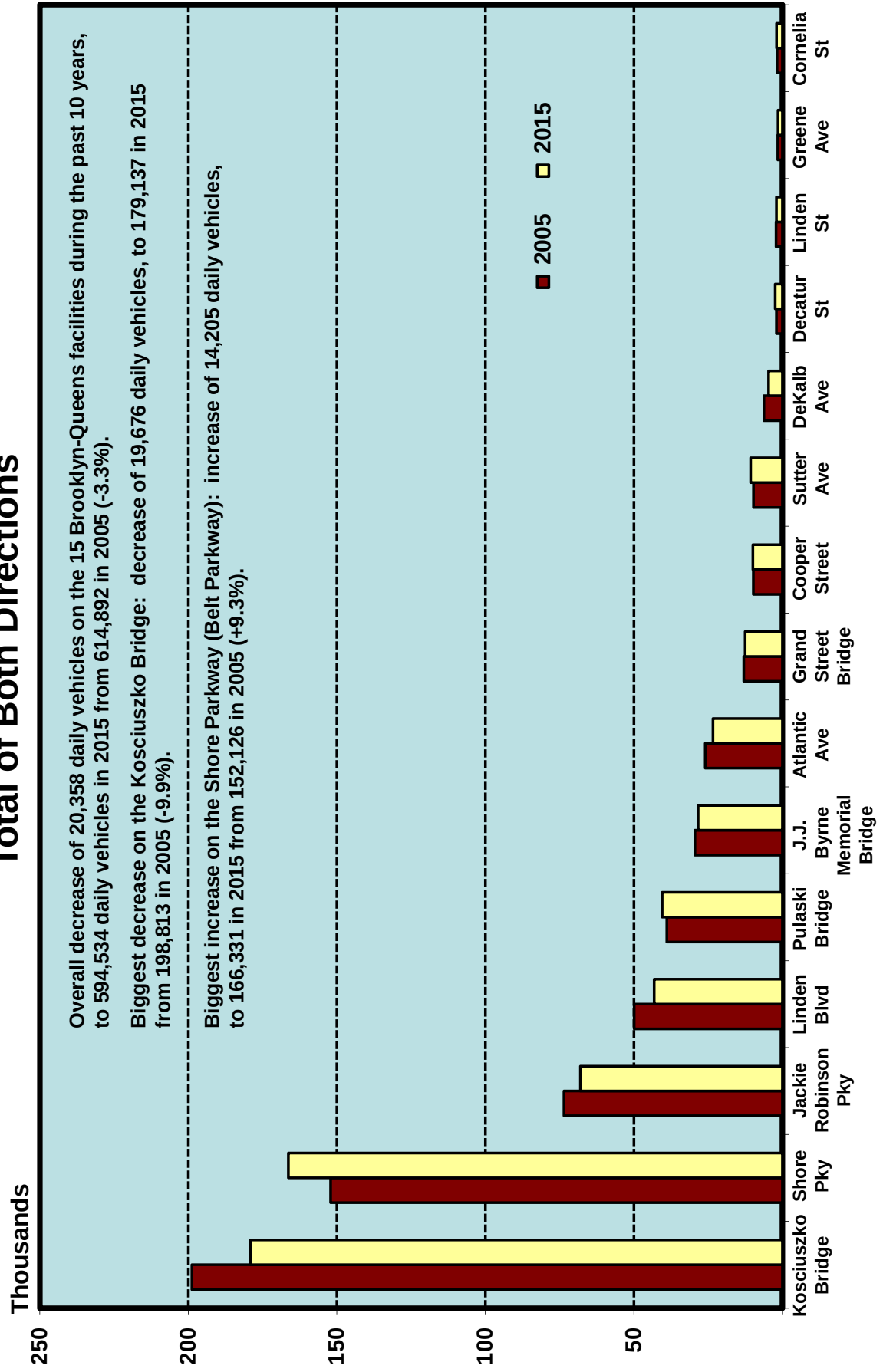
Manhattan – New Jersey Crossings

Staten Island – New Jersey Bridges

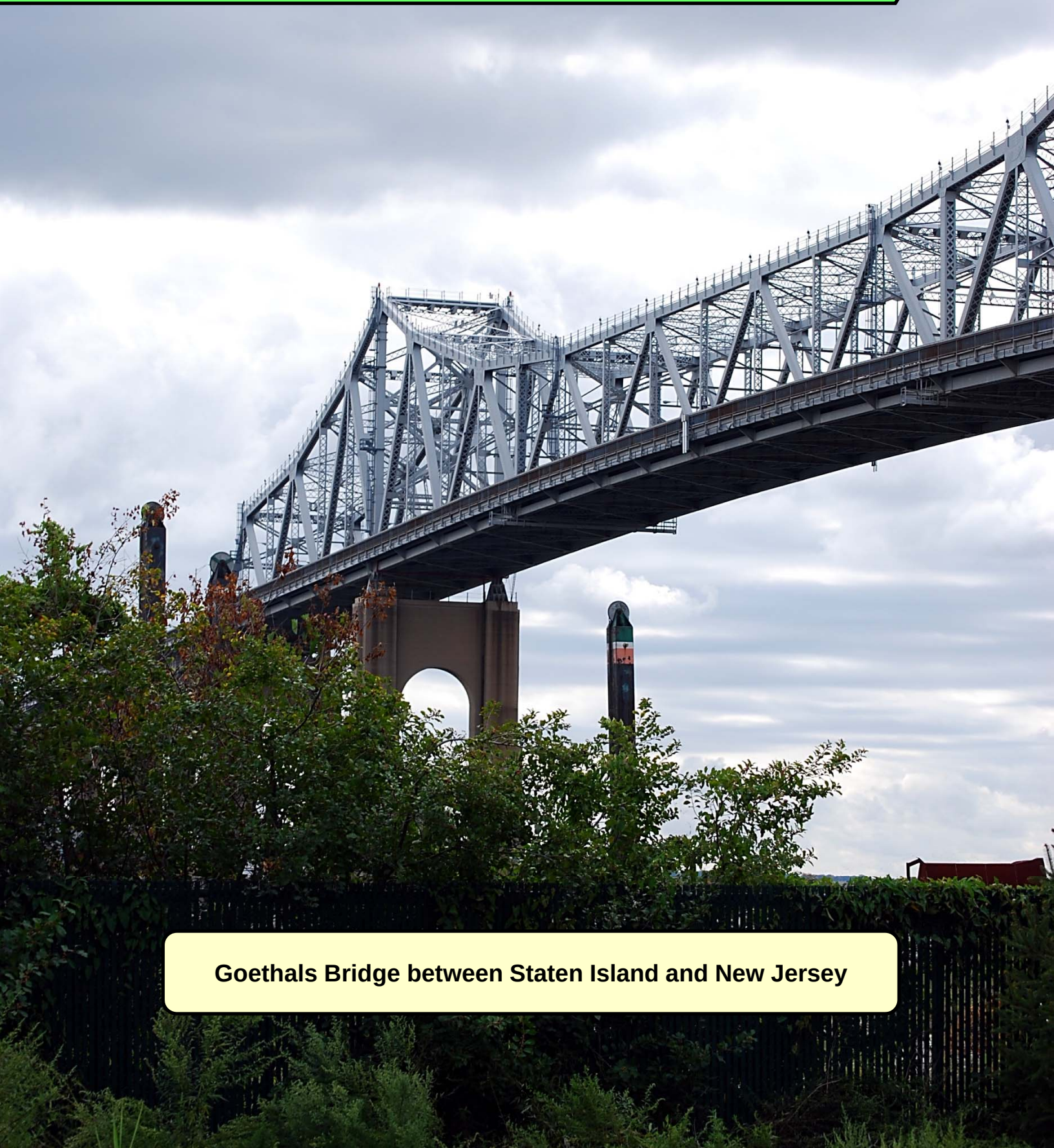
10-Year Volume Changes ~ 2005 - 2015

Brooklyn - Queens Screenline Daily Volumes

Total of Both Directions



New York City Screenline



Goethals Bridge between Staten Island and New Jersey

NEW YORK CITY SCREENLINE

In 1963, when the first comprehensive New York City border screenline data were collected, average daily two-way volume at the 29 locations studied was 1,109,201.

- Queens - Nassau screenline: 546,550 daily vehicles, 49.3% of total monitored New York City border screenlines volume.
- Bronx – Westchester screenline: 269,650 daily vehicles, 24.3%.
- Manhattan - New Jersey screenline: 265,603 daily vehicles, 23.9%.
- Staten Island – New Jersey screenline: 27,398 daily vehicles, 2.5%.
- Volumes on Van Cortlandt Park East in The Bronx, and Central Avenue and Seagirt Boulevard in Queens, were not collected prior to 1986.

1963 - 1973

Traffic volume recorded at the City borders rose 36.2%, to an average of 1,510,653 vehicles per day in 1973 from 1,109,201 in 1963 (401,452 additional daily vehicles).

- Increases exceeded 20% at all City border screenlines.
- Volume on the three Staten Island – New Jersey bridges nearly tripled, to 81,034 daily vehicles in 1973 from 27,398 in 1963.
- Largest numerical increase at the Manhattan – New Jersey screenline, where daily volume increased to 397,203 daily vehicles in 1973 from 265,603 in 1963 (+49.5%, or 131,600 additional daily vehicles).
- Bronx – Westchester traffic increased 34.1% to 361,714 daily vehicles from 269,650.
- Queens - Nassau traffic increased 22.7% to 670,702 daily vehicles from 546,550.

1973 - 1982

Growth slowed during this nine-year period, with volume recorded at the City borders rising 10.4% to 1,667,312 daily vehicles 1982 from 1,510,653 in 1973.

- Traffic continued to increase at all City boundaries.
- Staten Island – New Jersey traffic increased 31.6% to 106,672 daily vehicles in 1982 from 81,034 in 1973.
- Bronx – Westchester traffic increased 14.4% to 413,750 daily vehicles from 361,714.
- Manhattan – New Jersey traffic increased 9.2% to 433,744 daily vehicles from 397,203.
- Queens - Nassau traffic increased 6.3% to 713,146 daily vehicles from 670,702.

1982 - 1986

Faster growth resumed, as monitored traffic at the City borders increased 14.8% during this four-year period, to 1,914,827 daily vehicles in 1986 from 1,667,312 in 1982 (excluding Van Cortlandt Park East in The Bronx, and Central Avenue and Seagirt Boulevard in Queens where traffic was not counted in 1982).

- Staten Island – New Jersey traffic increased 29.8%, to 138,436 daily vehicles in 1986 from 106,672 in 1982.
- Bronx – Westchester traffic increased 14.6% to 474,013 daily vehicles from 413,750.
- Queens – Nassau traffic increased 14.5% to 816,627 daily vehicles from 713,146.
- Manhattan – New Jersey traffic increased 12.0% to 485,751 daily vehicles from 433,744.

1986 - 1995

Monitored traffic at the New York City boundaries increased 5.0% during this nine-year period, to 2,050,439 daily vehicles in 1995 from 1,950,977 in 1986 (including Van Cortlandt Park East in The Bronx, and Central Avenue and Seagirt Boulevard in Queens where traffic was counted for the first time in 1986).

- Bronx – Westchester traffic increased 10.1%, to 531,941 daily vehicles in 1995 from 483,252 in 1986.
- Queens - Nassau traffic increased 5.8%, to 892,743 daily vehicles from 843,538.
- Staten Island – New Jersey traffic increased 3.8%, to 143,657 daily vehicles from 138,436.
- Conversely, traffic between Manhattan and New Jersey decreased 0.8%, to 482,098 daily vehicles in 1995 from 485,751 in 1986.

1995 - 2005

From 1995 to 2005, monitored traffic at the New York City boundaries increased 11.7%, to 2,291,809 daily vehicles in 2005 from 2,050,439 in 1995.

- Bronx – Westchester traffic increased 19.1%, to 633,350 daily vehicles in 2005 from 531,941 in 1995.
- Queens - Nassau traffic increased 7.4%, to 959,089 daily vehicles 2005 from 892,743 in 1995.
- Staten Island – New Jersey daily volume increased 19.5%, to 171,653 from 143,657.
- Manhattan - New Jersey daily volume increased 9.5%, to 527,717 from 482,098.

2005 - 2015

During the most recent ten-year period, from 2005 to 2015, monitored traffic at the New York City boundaries decreased 2.1%, to 2,243,627 daily vehicles in 2015 from 2,291,809 in 2005.

- Bronx – Westchester traffic decreased 1.7%, to 622,479 daily vehicles in 2015 from 633,350 in 2005.

- Manhattan - New Jersey traffic decreased 5.6%, to 498,270 daily vehicles from 527,717.
- Staten Island - New Jersey traffic decreased 4.9%, to 163,218 daily vehicles from 171,653.
- Queens - Nassau traffic increased 0.1%, to 959,660 daily vehicles in 2015 from 959,089 in 2005.

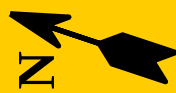
1963 - 2015

From 1963 to 2015, daily two-way traffic at the 29 City border locations monitored throughout the period nearly doubled, to 2,199,290 in 2015 from 1,109,201 in 1963.

- Staten Island – New Jersey traffic skyrocketed by 495.7%, to 163,218 daily vehicles in 2015 from 27,398 in 1963, largely as a result of the opening of the Verrazano–Narrows Bridge in 1964.
- Manhattan – New Jersey traffic increased 87.6%, to 498,270 daily vehicles in 2015 from 265,603 in 1963, fostered in part by the opening of the George Washington Bridge's lower level in 1962 and the Alexander Hamilton Bridge/Trans-Manhattan Expressway route in 1963 which facilitated travel between Bronx/Queens/Long Island/New England and New Jersey via upper Manhattan. From 1962 to 1966, George Washington Bridge traffic increased 50.6% to 167,304 daily vehicles from 111,090.
- During the 52-year period from 1963 to 2015, continuously monitored daily traffic increased 130.8% between The Bronx and Westchester (to 622,479 from 269,650), and 75.6% between Queens and Nassau (to 959,660 from 546,550).

New York City Screenline

2015 Daily Volumes



New Jersey

Westchester

316,524

Bronx

Manhattan

236,859

261,411

Queens

480,729

478,931

Nassau

Brooklyn

Staten Island

86,796

76,422

**New York City Screenline
Historical Comparisons
Average Daily Traffic Volumes**

Entering New York City

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Bronx - Westchester	131,910	179,678	206,402	244,083	258,711	262,045	269,207	276,672	285,235	287,874	297,196	298,464	308,307	314,460	315,038
Queens - Nassau	272,360	334,940	373,479	417,005	448,046	450,332	448,742	445,915	452,167	457,372	473,858	472,861	473,363	468,813	485,332
N.J. - Manhattan	N/A	196,532	215,979	240,921	234,479	235,840	239,529	246,107	250,864	257,725	263,502	265,463	222,389	254,895	260,117
N.J. - Staten Island	N/A	40,517	53,336	69,218	75,601	77,266	77,173	78,703	81,449	83,209	86,553	87,705	94,413	90,510	92,108
Totals	N/A	751,667	849,196	971,227	1,016,837	1,025,483	1,034,651	1,047,397	1,069,715	1,086,180	1,121,109	1,124,493	1,098,472	1,128,678	1,152,595

Entering New York City

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Bronx - Westchester	320,086	323,025	314,134	325,814	304,452	312,818	313,603	305,764	305,217	309,307	315,416	316,524
Queens - Nassau	480,260	473,349	462,916	469,587	477,437	473,526	480,213	475,313	483,838	486,161	478,260	480,729
N.J. - Manhattan	262,050	256,289	261,612	258,412	247,975	249,308	247,690	236,301	238,204	234,628	233,180	236,859
N.J. - Staten Island	90,852	89,928	91,340	92,438	88,392	89,461	90,442	88,053	87,004	84,411	84,320	86,796
Totals	1,153,248	1,142,591	1,130,002	1,146,251	1,118,256	1,125,113	1,131,948	1,105,431	1,114,263	1,114,507	1,111,176	1,120,908

* Actual 24 hour westbound volumes from Staten Island to New Jersey not available for 1973, 1982, and 1986; estimated to be the same as eastbound volumes to Staten Island obtained from toll records.

**New York City Screenline
Historical Comparisons
Average Daily Traffic Volumes (continued)**

Leaving New York City

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Bronx - Westchester	137,740	182,036	207,348	239,169	247,480	253,808	262,734	271,300	269,448	277,872	286,819	292,558	298,359	305,478	304,411
Queens - Nassau	274,190	335,762	339,667	426,533	444,272	446,843	444,001	450,229	454,964	462,031	473,185	467,286	473,364	475,193	483,362
N.J. - Manhattan	N/A	200,671	217,765	244,830	238,590	237,959	242,569	247,087	253,924	264,787	285,850	283,002	236,555	277,944	287,332
N.J. - Staten Island*	N/A	40,517	53,336	69,218	65,174	66,609	66,484	67,862	70,129	73,577	80,337	76,963	82,838	88,630	82,474
Totals	N/A	758,986	818,116	979,750	995,516	1,005,219	1,015,788	1,036,478	1,048,465	1,078,267	1,126,191	1,119,809	1,091,116	1,147,245	1,157,579

Leaving New York City

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Bronx - Westchester	307,208	310,325	310,424	310,024	294,146	296,486	303,875	295,745	299,420	301,025	304,760	305,955
Queens - Nassau	485,345	485,740	471,633	482,622	474,068	482,075	483,455	482,345	480,382	483,843	484,379	478,931
N.J. - Manhattan	274,346	271,428	276,136	255,562	260,294	255,552	258,856	254,808	244,353	245,191	244,632	261,411
N.J. - Staten Island	83,416	81,725	84,574	77,790	77,384	76,043	77,690	81,483	76,702	73,856	71,298	76,422
Totals	1,150,315	1,149,218	1,142,767	1,125,998	1,105,892	1,110,156	1,123,876	1,114,381	1,100,857	1,103,915	1,105,069	1,122,719

* Actual 24 hour westbound volumes from Staten Island to New Jersey not available for 1973, 1982, and 1986; estimated to be the same as eastbound volumes to Staten Island obtained from toll records.

**New York City Screenline
Historical Comparisons
Average Daily Traffic Volumes (continued)**

Both Directions

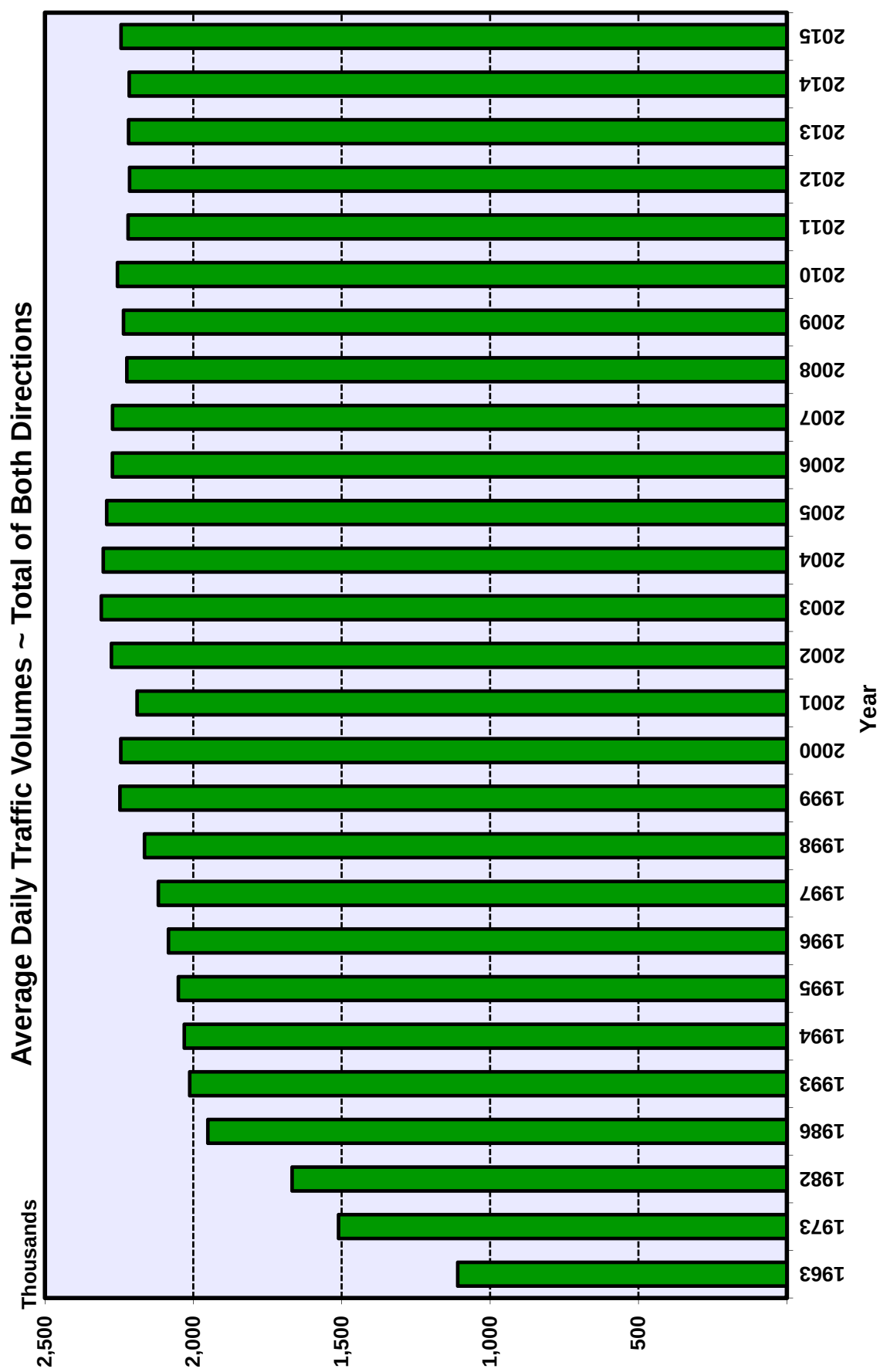
	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Bronx - Westchester	269,650	361,714	413,750	483,252	506,191	515,853	531,941	547,972	554,683	565,746	584,015	591,022	606,666	619,938	619,449
Queens - Nassau	546,550	670,702	713,146	843,538	892,318	897,175	892,743	896,144	907,131	919,403	947,043	940,147	946,727	944,006	968,694
N.J. - Manhattan	265,603	397,203	433,744	485,751	473,069	473,799	482,098	493,194	504,788	522,512	549,352	548,465	458,944	532,839	547,449
N.J. - Staten Island *	27,398	81,034	106,672	138,436	140,775	143,875	143,657	146,565	151,578	156,786	166,890	164,668	177,251	179,140	174,582
Totals	1,109,201	1,510,653	1,667,312	1,950,977	2,012,353	2,030,702	2,050,439	2,083,875	2,118,180	2,164,447	2,247,300	2,244,302	2,189,588	2,275,923	2,310,174

Both Directions

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Bronx - Westchester	627,294	633,350	624,558	635,838	598,598	609,304	617,478	601,509	604,637	610,332	620,176	622,479
Queens - Nassau	965,605	959,089	934,549	952,209	951,505	955,601	963,668	957,658	964,220	970,004	962,639	959,660
N.J. - Manhattan	536,396	527,717	537,748	513,974	508,269	504,860	506,546	491,109	482,557	479,819	477,812	498,270
N.J. - Staten Island	174,268	171,653	175,914	170,228	165,776	165,504	168,132	169,536	163,706	158,267	155,618	163,218
Totals	2,303,563	2,291,809	2,272,769	2,272,249	2,224,148	2,235,269	2,255,824	2,219,812	2,215,120	2,218,422	2,216,245	2,243,627

* Actual 24 hour westbound volumes from Staten Island to New Jersey not available for 1973, 1982, and 1986; estimated to be the same as eastbound volumes to Staten Island obtained from toll records.

New York City Border Screenline Historical Comparisons



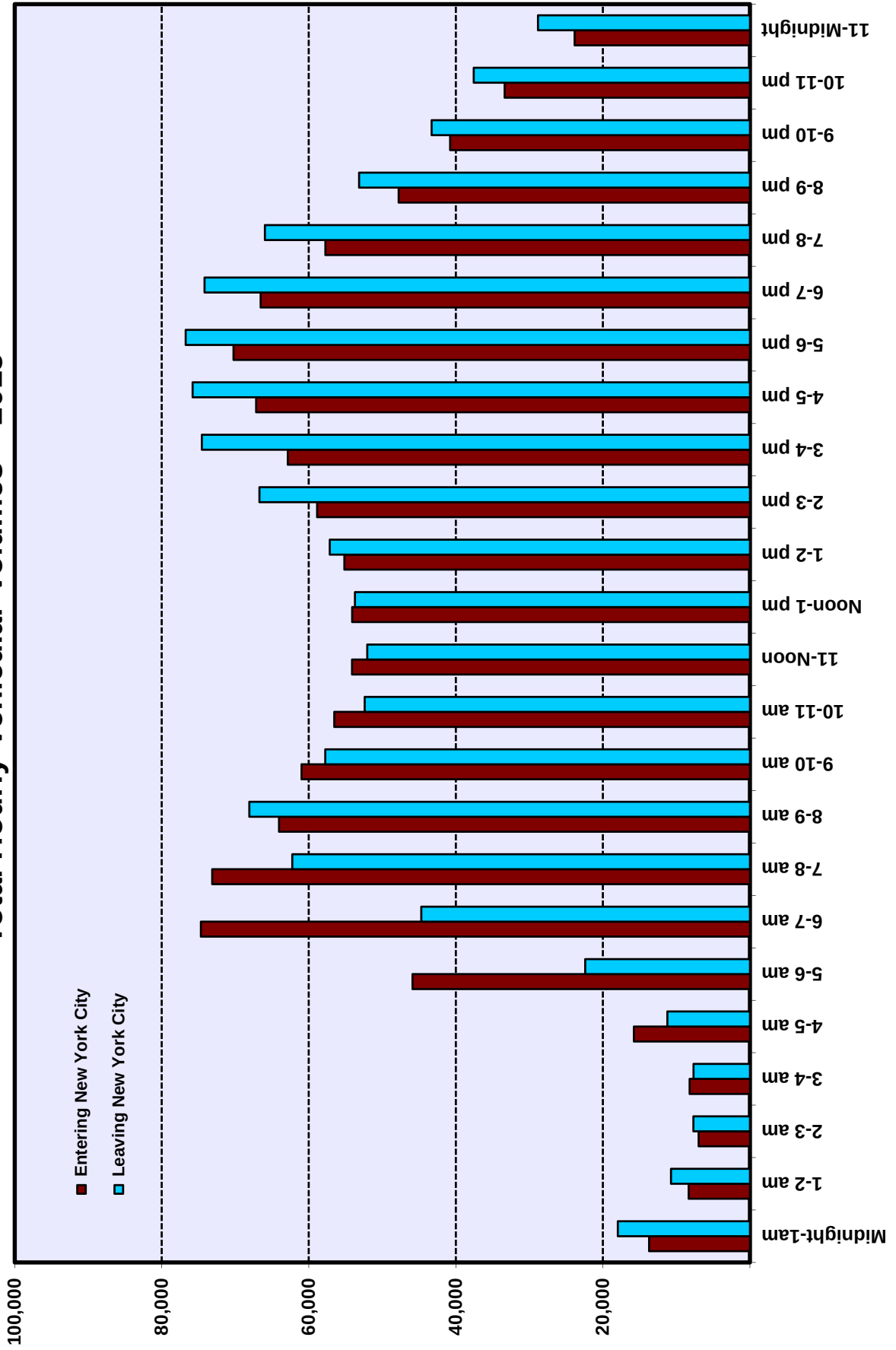
Includes Bronx-Westchester, Queens-Nassau, and New York-New Jersey Screenlines.

New York City Border Screenline Traffic Volumes ~ 2015

	Bronx-Westchester		Queens-Nassau		New York-New Jersey				NYC Totals	
	To Bronx	To W'chstr	To Qns.	To Nas.	To Manh.	To N.J.	To S.I.	To N.J.	To N.Y.C.	From N.Y.C.
Mid-1am	3,959	4,855	5,362	7,077	3,260	5,234	1,131		13,712	17,973
1-2am	2,389	2,968	3,008	4,152	2,211	3,136	727	807	8,335	10,736
2-3am	2,030	2,135	2,459	2,923	1,905	2,226	596	414	6,990	7,698
3-4am	2,204	2,221	3,050	2,614	2,244	2,389	712	462	8,210	7,686
4-5am	4,101	3,129	6,351	4,075	3,978	3,286	1,358	753	15,788	11,243
5-6am	10,659	6,124	19,752	8,831	11,996	5,573	3,483	1,881	45,890	22,409
6-7am	20,805	12,084	29,884	19,158	18,705	9,499	5,287	3,957	74,681	44,698
7-8am	23,067	17,544	28,599	27,767	16,526	11,445	4,951	5,496	73,143	62,252
8-9am	18,744	19,039	25,532	30,929	15,130	12,212	4,639	5,913	64,045	68,093
9-10am	16,600	14,943	25,437	27,202	14,687	11,180	4,273	4,438	60,997	57,763
10-11am	15,253	13,864	24,061	23,858	13,386	10,659	3,841	4,014	56,541	52,395
11-Noon	14,804	13,903	23,902	23,707	11,800	10,652	3,608	3,791	54,114	52,053
Noon-1	15,080	14,538	24,500	24,632	10,825	10,967	3,692	3,591	54,097	53,728
1-2pm	15,236	15,409	25,172	25,692	10,757	12,324	4,007	3,729	55,172	57,154
2-3pm	16,984	18,394	26,176	29,248	11,291	14,939	4,413	4,134	58,864	66,715
3-4pm	18,272	20,994	27,591	30,926	11,870	17,204	5,129	5,428	62,862	74,552
4-5pm	19,919	21,293	29,367	31,069	12,197	17,921	5,674	5,515	67,157	75,798
5-6pm	20,638	21,276	30,804	30,704	12,166	19,546	6,632	5,220	70,240	76,746
6-7pm	19,223	19,834	28,616	30,711	12,235	19,000	6,474	4,629	66,548	74,174
7-8pm	16,198	17,567	25,603	27,513	10,775	17,168	5,170	3,730	57,746	65,978
8-9pm	13,499	13,851	21,663	22,055	8,850	14,480	3,772	2,781	47,784	53,167
9-10pm	11,115	11,920	18,718	17,547	7,946	11,702	3,003	2,132	40,782	43,301
10-11pm	9,318	10,233	14,671	15,168	6,986	10,460	2,387	1,709	33,362	37,570
11-Mid	6,427	7,837	10,451	11,373	5,133	8,209	1,837	1,418	23,848	28,837
24 hr Total	316,524	305,955	480,729	478,931	236,859	261,411	86,796	76,422	1,120,908	1,122,719
6-10am	79,216	63,610	109,452	105,056	65,048	44,336	19,150	19,804	272,866	232,806
10am-1pm	45,137	42,305	72,463	72,197	36,011	32,278	11,141	11,396	164,752	158,176
1-3pm	32,220	33,803	51,348	54,940	22,048	27,263	8,420	7,863	114,036	123,869
3-7pm	78,052	83,397	116,378	123,410	48,468	73,671	23,909	20,792	266,807	301,270
6am-7pm	234,625	223,115	349,641	355,603	171,575	177,548	62,620	59,855	818,461	816,121

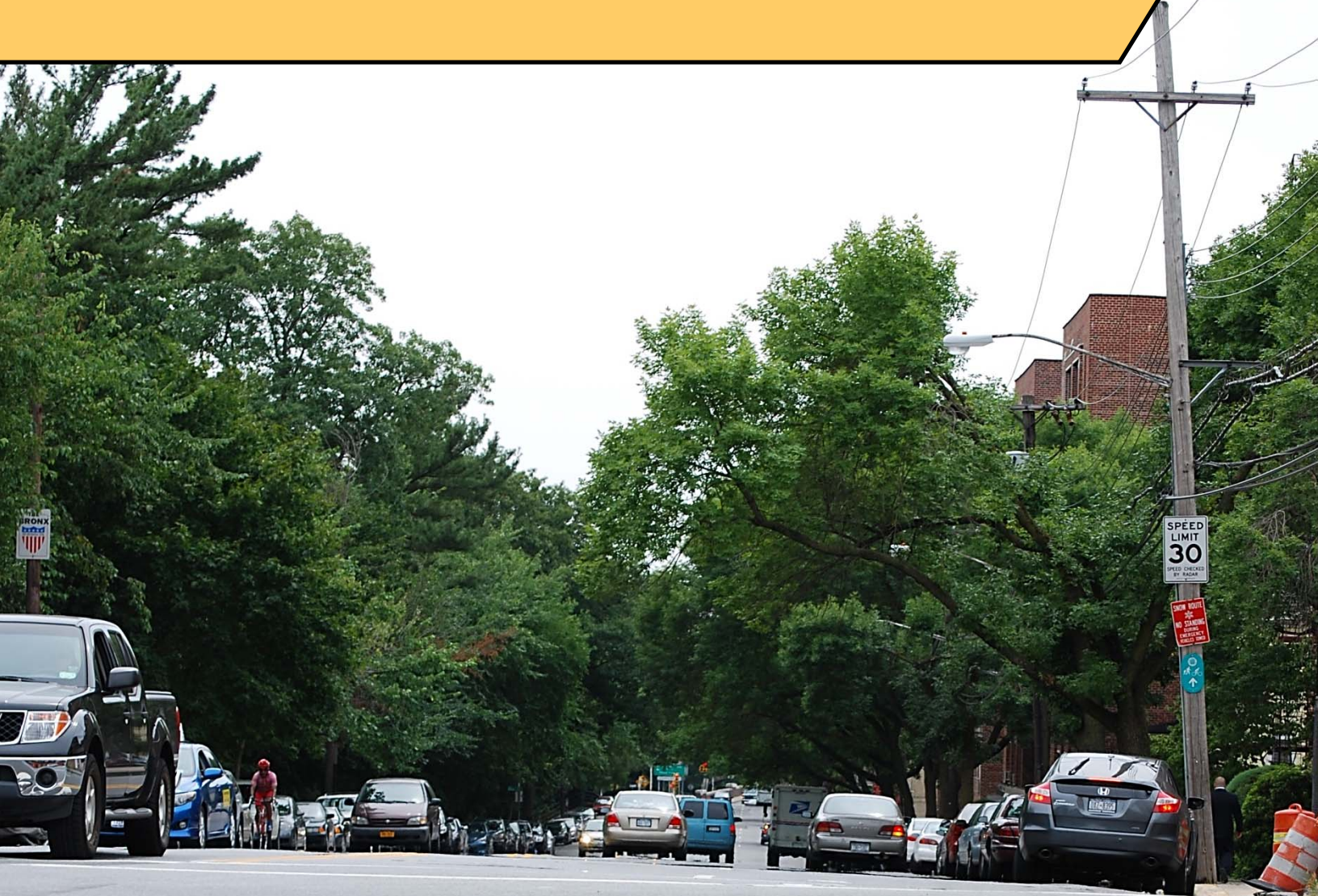
New York City Border Screenline Volumes

Total Hourly Vehicular Volumes ~ 2015



Includes Bronx-Westchester, Queens-Nassau, and New York-New Jersey Screenlines.

Bronx-Westchester Screenline



**Webster Avenue at Bronx-Westchester Screenline
Looking South**

BRONX - WESTCHESTER SCREENLINE

In 1963, the first year that Bronx - Westchester screenline data were analyzed, average daily two-way volume on the ten roadways studied was 269,650 vehicles.

- The Major Deegan Expressway (including service roads) was the most-traveled facility, serving 68,280 vehicles per day, 25.3% of total monitored Bronx - Westchester traffic.
- The New England Thruway carried 56,070 vehicles per day, 20.8% of the total.
- Volumes on Van Cortlandt Park East were not collected prior to 1986.

1963 - 1973

Traffic crossing the Bronx – Westchester screenline increased 34.1%, to an average of 361,714 vehicles per day in 1973 from 269,650 in 1963 (92,064 additional daily vehicles).

- Major Deegan Expressway traffic (including service roads) increased 33.2%, to 90,920 daily vehicles in 1973 from 68,280 in 1963.
- New England Thruway traffic increased 47.4%, to 82,620 daily vehicles in 1973 from 56,070 in 1963.
- Hutchinson River Parkway traffic increased 80.1%, 29,090 daily vehicles from 16,150.
- Traffic on Boston Road doubled, to 22,813 daily vehicles from 10,980.

1973 - 1982

Growth moderated during this nine-year period, as average daily traffic recorded at the Bronx – Westchester screenline increased 14.4% to 413,750 daily vehicles in 1982 from 361,714 in 1973.

- Hutchinson River Parkway had the largest increase, +65.9% to 48,263 daily vehicles in 1982 from 29,090 in 1973.

1982 - 1986

Growth accelerated between 1982 and 1986, increasing Bronx - Westchester traffic to 474,013 daily vehicles, an increase of 14.6% over the four-year period (excluding Van Cortlandt Park East where traffic was not counted in 1982).

- Henry Hudson Parkway traffic increased 27.5%, to 53,263 daily vehicles in 1986 from 41,776 in 1982.
- On the Major Deegan Expressway and its service roads, traffic increased 27.0%, to 124,872 daily vehicles in 1986 from 98,288 in 1982.
- Bronx River Parkway daily traffic increased 20.3% to 79,194 from 65,843.

1986 - 1995

During this nine-year period, traffic crossing the Bronx - Westchester border increased by 10.1%, to 531,941 daily vehicles in 1995 from 483,252 in 1986 (including Van Cortlandt Park East, where traffic was counted for the first time in 1986).

- Henry Hudson Parkway traffic increased 45.0%, to 77,253 daily vehicles in 1995 from 53,263 in 1986 (23,990 additional daily vehicles).
- Hutchinson River Parkway traffic increased 35.6%, to 73,609 daily vehicles from 54,287 (19,322 additional daily vehicles).

1995 - 2005

Bronx - Westchester screenline traffic volume increased 19.1%, to 633,350 in 2005 from 531,941 in 1995.

- Henry Hudson Parkway traffic increased 30.9% to 101,107 daily vehicles in 2005 from 77,253 in 1995.
- New England Thruway traffic increased 29.1% to 136,208 daily vehicles from 105,525.
- Hutchinson River Parkway traffic increased 25.3%, to 92,255 daily vehicles from 73,609.
- Bronx River Parkway traffic increased 18.7%, to 94,470 daily vehicles from 79,574.

2005 - 2015

During the most recent ten-year period, from 2005 to 2015, Bronx - Westchester screenline traffic overall has decreased by 1.7%, to 622,479 daily vehicles in 2015 from 633,350 in 2005.

- Decreases occurred on nine of the eleven monitored facilities.
- The largest decrease occurred on the Hutchinson River Parkway, where daily volume decreased by 4,577 vehicles, to 87,678 in 2015 from 92,255 in 2005 (-5.0%).
- The largest increase was on the Major Deegan Expressway (including service roads), where traffic increased by 3.0%, to 125,127 daily vehicles in 2015 from 121,557 in 2005 (3,600 additional daily vehicles).

1963 - 2015

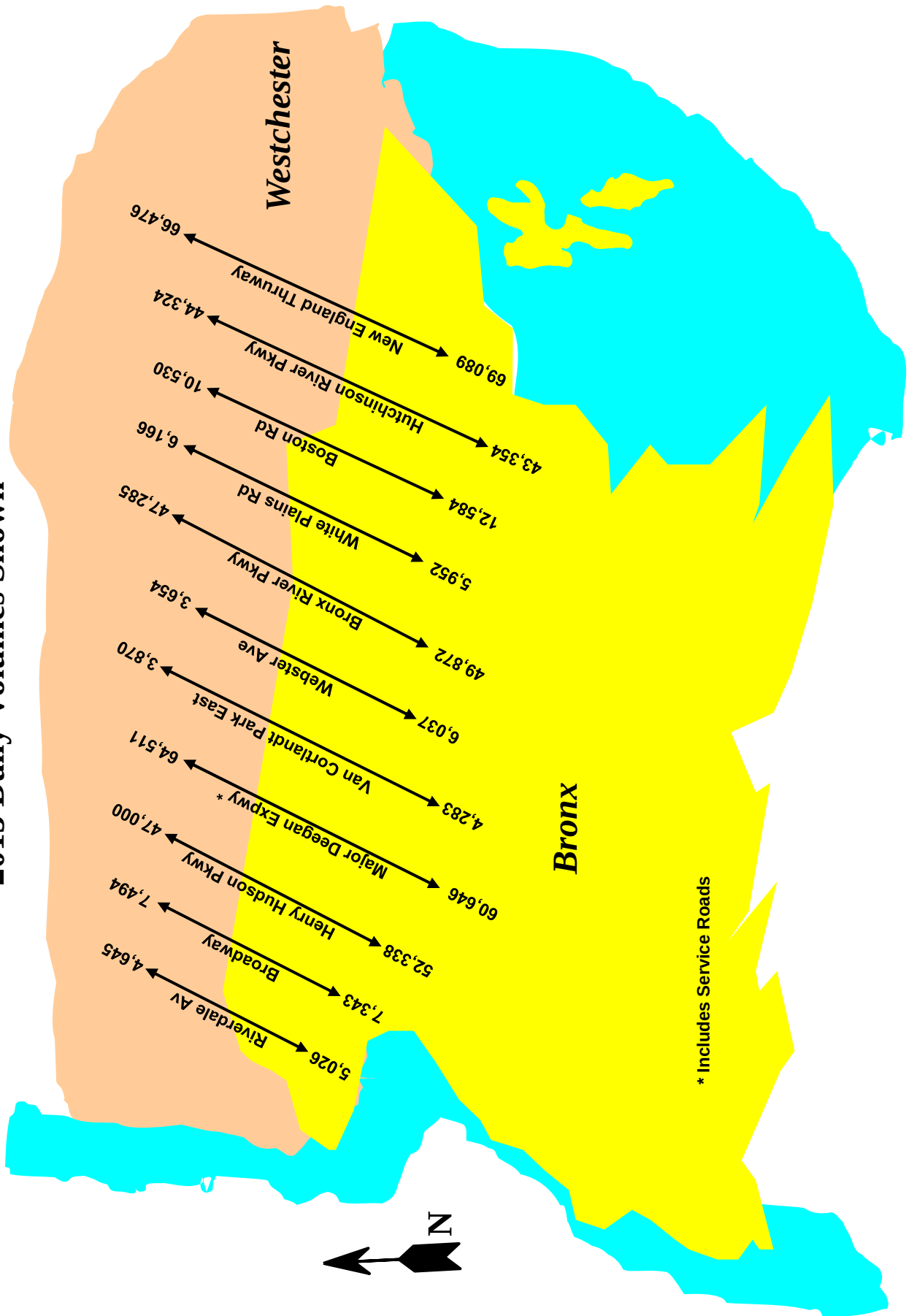
During the 52 years from 1963 to 2015, total daily traffic on the ten Bronx – Westchester facilities monitored throughout the period more than doubled, to 622,479 from 269,650.

- Most of the growth in Bronx - Westchester traffic since 1963 has occurred on the five limited access highways crossing the screenline.
- Of the 344,676 additional daily vehicles on the ten continuously-monitored facilities, 331,265 (96.1% of the total increase) are on the limited access highways.
- The fastest growth occurred on the Hutchinson River Parkway, where traffic volume soared 443%, to 87,678 daily vehicles in 2015 from 16,150 in 1963.
- Henry Hudson Parkway volume more than tripled, to 99,338 daily vehicles in 2015 from 29,010 in 1963.

- New England Thruway Traffic volume climbed 142%, to 135,565 daily vehicles from 56,070.
- Bronx River Parkway daily traffic volume more than doubled, to 97,157 from 44,120.
- Traffic volume on the Major Deegan Expressway and its service roads was up 83%, to 125,157 daily vehicles from 68,280.
- Boston Road exhibited the largest change of any arterial facility since 1963, with daily traffic volume rising 111%, to 23,114 from 10,980.

Bronx - Westchester Screenline

2015 Daily Volumes Shown



Bronx-Westchester Screenline Historical Comparisons Average Daily Traffic Volumes

To Bronx

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Boston Rd	5,080	11,026	9,737	10,514	12,140	11,609	11,068	11,429	12,868	12,443	13,258	11,514	13,262	12,997	13,839
Broadway	6,570	7,169	4,465	7,679	8,017	8,074	8,114	8,113	8,020	8,331	8,096	8,292	8,143	7,989	8,117
Bronx River Pky	23,060	28,100	34,908	40,561	39,855	40,684	41,902	43,106	42,330	41,526	44,719	45,296	46,681	49,382	47,061
Henry Hudson Pky	16,170	18,300	19,728	29,720	34,445	36,721	39,857	41,537	44,136	40,811	46,359	47,922	51,091	52,378	51,151
Hutchinson River Pky	7,110	13,690	23,515	26,737	32,980	34,226	35,461	40,124	40,584	40,878	41,242	41,359	44,624	46,446	44,690
Major Deegan Exp *	28,780	45,520	46,396	59,902	59,934	55,397	54,819	52,995	54,548	55,106	54,438	53,403	54,052	56,811	59,430
New England Thruway	29,460	40,770	51,683	47,288	50,172	53,462	55,084	56,690	59,817	65,314	65,302	67,655	66,091	64,042	66,454
Riverdale Ave	5,130	5,523	4,789	5,878	6,044	5,615	5,794	5,961	6,191	5,994	5,904	5,539	5,816	5,643	5,490
Van Cortlandt Pk E	N/A	N/A	N/A	4,806	4,721	4,554	4,770	4,569	4,686	4,974	5,623	5,015	5,399	5,816	5,874
Webster Ave	5,950	3,650	5,119	5,447	6,393	5,943	6,300	6,289	6,343	6,318	6,093	6,378	6,605	6,736	6,804
White Plains Rd	4,600	5,930	6,062	5,551	4,010	5,760	6,038	5,859	5,712	6,179	6,162	6,091	6,543	6,220	6,128
Totals	131,910	179,678	206,402	244,083	258,711	262,045	269,207	276,672	285,235	287,874	297,196	298,464	308,307	314,460	315,038

To Bronx

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Boston Rd	13,016	12,370	12,537	12,418	12,210	11,578	11,788	12,445	12,361	11,877	12,884	12,584
Broadway	8,125	8,196	8,327	7,971	7,641	7,560	7,612	7,172	7,808	7,329	6,979	7,343
Bronx River Pky	47,666	48,587	47,918	47,563	46,292	48,112	48,391	45,340	48,709	48,235	48,457	49,872
Henry Hudson Pky	51,983	54,310	52,413	55,925	50,068	50,862	52,077	50,327	49,260	51,631	52,990	52,338
Hutchinson River Pky	48,534	46,537	42,783	47,698	45,313	45,184	46,677	44,321	42,048	42,742	43,006	43,354
Major Deegan Exp *	58,735	58,734	59,856	61,525	57,220	59,121	57,429	54,972	55,165	57,627	59,506	60,646
New England Thruway	66,869	68,815	65,776	68,247	62,231	67,328	66,730	69,032	66,234	68,478	69,775	69,089
Riverdale Ave	6,098	6,167	5,965	6,160	5,550	4,835	5,001	5,523	5,217	4,655	4,828	5,026
Van Cortlandt Pk E	6,193	5,952	6,012	5,388	5,636	5,842	5,443	4,811	5,389	4,795	4,555	4,283
Webster Ave	6,885	7,003	6,634	6,412	6,214	6,349	6,232	5,913	6,234	5,678	5,994	6,037
White Plains Rd	5,982	6,354	5,913	6,507	6,077	6,047	6,223	5,908	6,792	6,260	6,442	5,952
Totals	320,086	323,025	314,134	325,814	304,452	312,818	313,603	305,764	305,217	309,307	315,416	316,524

* Includes service roads.

Bronx-Westchester Screenline Historical Comparisons Average Daily Traffic Volumes (continued)

To Westchester

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Boston Rd	5,900	11,787	13,073	10,057	10,424	10,366	10,299	12,030	12,227	11,913	11,386	11,627	12,825	12,296	13,198
Broadway	9,130	8,562	7,845	7,905	8,578	8,739	8,122	8,409	8,227	8,182	8,297	8,045	8,152	8,005	8,353
Bronx River Pky	21,060	26,111	30,935	38,633	35,678	36,559	37,672	38,773	37,772	38,693	40,645	41,174	42,812	45,596	43,908
Henry Hudson Pky	12,840	17,090	22,048	23,543	28,644	30,548	37,396	37,332	38,360	37,743	40,962	42,520	44,236	45,624	47,583
Hutchinson River Pky	9,040	15,400	24,748	27,550	33,450	35,807	38,148	42,564	42,444	41,910	43,371	44,356	44,027	47,490	44,858
Major Deegan Exp *	39,500	45,400	51,892	64,970	65,325	63,181	59,176	57,953	54,584	59,612	58,887	60,781	62,772	62,022	64,285
New England Thruway	26,610	41,850	46,771	45,574	44,789	47,810	50,441	53,059	55,179	58,906	62,468	63,289	61,554	62,469	61,103
Riverdale Ave	4,850	5,198	5,032	5,893	5,877	5,636	5,751	5,851	5,731	5,656	5,014	5,235	6,143	5,187	5,464
Van Cortlandt Pk E	N/A	N/A	N/A	4,433	4,261	4,234	4,321	4,430	4,543	4,497	5,010	4,885	4,961	4,801	4,625
Webster Ave	4,200	4,478	2,719	4,363	4,088	4,281	4,112	4,154	3,977	4,272	4,181	3,866	4,236	4,811	4,630
White Plains Rd	4,610	6,160	2,285	6,248	6,366	6,647	7,296	6,745	6,404	6,488	6,598	6,780	6,641	7,177	6,404
Totals	137,740	182,036	207,348	239,169	247,480	253,808	262,734	271,300	269,448	277,872	286,819	292,558	298,359	305,478	304,411

To Westchester

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Boston Rd	11,596	12,099	11,866	11,932	10,897	10,124	12,144	12,156	11,307	10,641	10,969	10,530
Broadway	7,778	8,256	7,611	7,848	7,745	7,646	7,705	7,354	7,653	7,246	7,127	7,494
Bronx River Pky	46,473	45,883	44,205	44,441	41,385	41,516	43,302	40,710	42,665	44,690	44,185	47,285
Henry Hudson Pky	46,067	46,797	46,931	48,400	43,637	45,120	45,809	43,261	45,713	44,565	46,833	47,000
Hutchinson River Pky	47,731	45,718	45,662	42,052	45,660	46,478	46,568	46,023	45,812	45,395	47,023	44,324
Major Deegan Exp *	63,451	62,823	64,320	64,498	62,438	62,827	62,988	61,650	61,463	63,910	65,891	64,511
New England Thruway	63,168	67,393	69,383	69,530	62,241	63,167	66,065	65,744	65,179	66,119	64,723	66,476
Riverdale Ave	5,261	5,636	5,505	5,581	5,355	4,703	4,591	4,875	5,005	4,375	3,998	4,645
Van Cortlandt Pk E	4,577	4,779	4,663	4,537	4,738	4,810	4,714	4,311	4,369	4,339	4,055	3,870
Webster Ave	4,523	4,321	3,901	4,301	3,649	3,764	3,579	3,561	3,682	3,353	3,529	3,654
White Plains Rd	6,583	6,620	6,377	6,904	6,401	6,331	6,410	6,100	6,572	6,392	6,427	6,166
Totals	307,208	310,325	310,424	310,024	294,146	296,486	303,875	295,745	299,420	301,025	304,760	305,955

* Includes service roads.

Bronx-Westchester Screenline Historical Comparisons Average Daily Traffic Volumes (continued)

Both Directions

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Boston Rd	10,980	22,813	22,810	20,571	22,564	21,975	21,367	23,459	25,095	24,356	24,644	23,141	26,087	25,293	27,037
Broadway	15,700	15,731	12,310	15,584	16,595	16,813	16,236	16,522	16,247	16,513	16,393	16,337	16,295	15,994	16,470
Bronx River Pky	44,120	54,211	65,843	79,194	75,533	77,243	79,574	81,879	80,102	80,219	85,364	86,470	89,493	94,978	90,969
Henry Hudson Pky	29,010	35,390	41,776	53,263	63,089	67,269	77,253	78,869	82,496	78,554	87,321	90,442	95,327	98,002	98,734
Hutchinson River Pky	16,150	29,090	48,263	54,287	66,430	70,033	73,609	82,688	83,028	82,788	84,613	85,715	88,651	93,936	89,548
Major Deegan Exp *	68,280	90,920	98,288	124,872	125,259	118,578	113,995	110,948	109,132	114,718	113,325	114,184	116,824	118,833	123,715
New England Thruway	56,070	82,620	98,454	92,862	94,961	101,272	105,525	109,749	114,996	124,220	127,770	130,944	127,645	126,511	127,557
Riverdale Ave	9,980	10,721	9,821	11,771	11,921	11,251	11,545	11,812	11,922	11,650	10,918	10,774	11,959	10,830	10,954
Van Cortlandt Pk E	N/A	N/A	N/A	9,239	8,982	8,788	9,091	8,999	9,229	9,471	10,633	9,900	10,360	10,617	10,499
Webster Ave	10,150	8,128	7,838	9,810	10,481	10,224	10,412	10,443	10,320	10,590	10,274	10,244	10,841	11,547	11,434
White Plains Rd	9,210	12,090	8,347	11,799	10,376	12,407	13,334	12,604	12,116	12,667	12,760	12,871	13,184	13,397	12,532
Totals	269,650	361,714	413,750	483,252	506,191	515,853	531,941	547,972	554,683	565,746	584,015	591,022	606,666	619,938	619,449

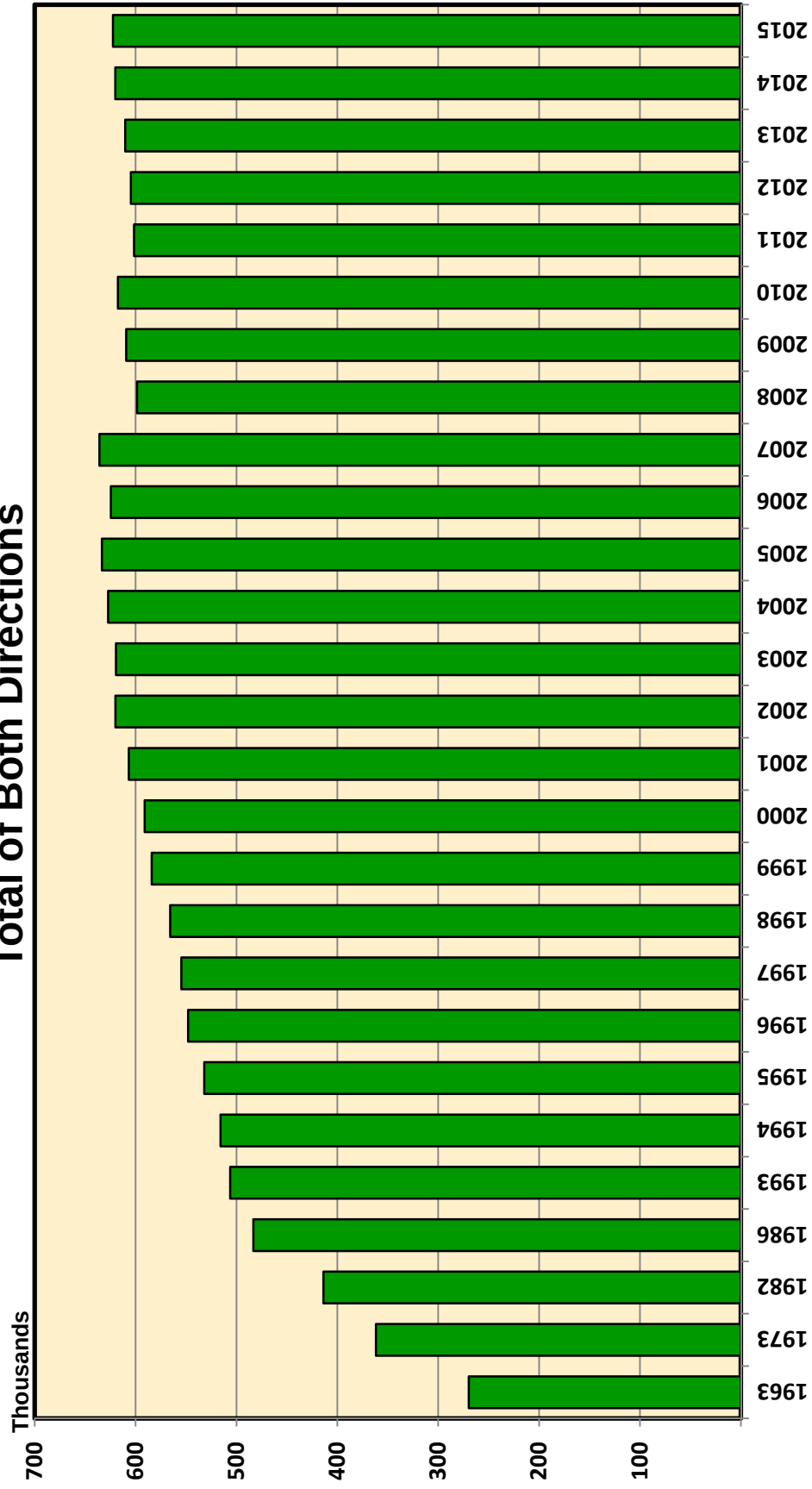
Both Directions

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Boston Rd	24,612	24,469	24,403	24,350	23,107	21,702	23,932	24,601	23,668	22,518	23,853	23,114
Broadway	15,903	16,452	15,938	15,819	15,386	15,206	15,317	14,526	15,461	14,575	14,106	14,837
Bronx River Pky	94,139	94,470	92,123	92,004	87,677	89,628	91,693	86,050	91,374	92,925	92,642	97,157
Henry Hudson Pky	98,050	101,107	99,344	104,325	93,705	95,982	97,886	93,588	94,973	96,196	99,823	99,338
Hutchinson River Pky	96,265	92,255	88,445	89,750	90,973	91,662	93,245	90,344	87,860	88,137	90,029	87,678
Major Deegan Exp *	122,186	121,557	124,176	126,023	119,658	121,948	120,417	116,622	116,628	121,537	125,397	125,157
New England Thruway	130,037	136,208	135,159	137,777	124,472	130,495	132,795	134,776	131,413	134,597	134,498	135,565
Riverdale Ave	11,359	11,803	11,470	11,741	10,905	9,538	9,592	10,398	10,222	9,030	8,826	9,671
Van Cortlandt Pk E	10,770	10,731	10,675	9,925	10,374	10,652	10,157	9,122	9,758	9,134	8,610	8,153
Webster Ave	11,408	11,324	10,535	10,713	9,863	10,113	9,811	9,474	9,916	9,031	9,523	9,691
White Plains Rd	12,565	12,974	12,290	13,411	12,478	12,378	12,633	12,008	13,364	12,652	12,869	12,118
Totals	627,294	633,350	624,558	635,838	598,598	609,304	617,478	601,509	604,637	610,332	620,176	622,479

* Includes service roads.

Bronx – Westchester Screenline

Historical Comparisons
Average Daily Traffic Volumes
Total of Both Directions



2015 Screenline Volumes Bronx - Westchester

	Boston Rd		Broadway		Bronx River Parkway		Henry Hudson Parkway		Hutchinson River Parkway		Major Deegan Expressway		Major Deegan (Service Rd)	
	S/B*	N/B	S/B*	N/B	S/B*	N/B	S/B*	N/B	S/B*	N/B	S/B*	N/B	S/B*	N/B
Mid-11am	105	98	88	129	582	514	406	702	512	671	866	1,222	38	119
1-2am	47	57	66	81	280	282	255	335	226	354	517	726	28	69
2-3am	41	37	47	50	211	177	148	191	144	199	474	489	16	44
3-4am	51	44	44	39	240	199	156	135	145	144	473	510	22	37
4-5am	63	68	88	60	435	310	351	197	490	312	892	691	39	40
5-6am	201	169	175	111	1,454	711	1,357	506	1,463	1,077	2,598	1,276	163	82
6-7am	400	345	395	202	3,944	1,805	4,019	1,415	2,791	2,339	4,225	2,337	249	202
7-8am	711	502	683	295	4,140	2,771	4,763	2,696	3,423	2,960	3,560	2,965	482	249
8-9am	708	620	545	361	3,071	3,094	3,526	2,861	2,962	2,809	3,280	3,053	233	314
9-10am	623	661	386	303	2,762	2,061	3,113	2,006	2,499	2,522	2,978	2,673	196	285
10-11am	605	589	337	306	2,348	1,784	2,543	1,795	2,174	2,425	2,702	2,613	214	281
11-Noon	675	605	332	323	2,129	1,788	2,419	1,870	2,061	2,241	2,550	2,745	222	287
Noon-1	809	672	372	322	2,177	1,987	2,370	1,986	2,104	2,238	2,624	2,802	211	303
1-2pm	820	684	358	351	2,216	2,273	2,377	2,204	2,138	2,477	2,619	2,853	209	309
2-3pm	813	723	408	380	2,537	3,352	2,820	2,794	2,342	2,736	2,741	3,362	223	348
3-4pm	882	787	438	448	2,923	4,033	3,150	3,434	2,463	2,779	2,958	3,961	219	412
4-5pm	889	734	449	600	3,226	4,059	3,685	3,630	2,548	2,629	3,143	4,005	221	497
5-6pm	932	706	480	670	3,414	4,005	3,553	3,774	2,376	2,287	3,617	4,046	223	492
6-7pm	886	639	428	613	2,863	3,484	3,403	3,587	2,385	2,355	3,329	3,812	218	458
7-8pm	777	562	351	490	2,402	2,855	2,592	3,016	2,250	2,425	2,621	3,381	170	370
8-9pm	617	460	284	464	2,080	2,018	1,944	2,239	1,913	2,058	2,371	2,669	142	302
9-10pm	410	341	241	376	1,782	1,555	1,497	2,188	1,584	1,771	2,263	2,299	124	259
10-11pm	288	247	198	301	1,479	1,254	1,209	2,015	1,334	1,459	1,858	2,158	94	204
11-Mid	231	180	150	219	1,177	914	682	1,424	1,027	1,057	1,336	1,729	95	171
24 hr Total	12,584	10,530	7,343	7,494	49,872	47,285	52,338	47,000	43,354	44,324	56,595	58,377	4,051	6,134
6-10am	2,442	2,128	2,009	1,161	13,917	9,731	15,421	8,978	11,675	10,630	14,043	11,028	1,160	1,050
10am-1pm	2,089	1,866	1,041	951	6,654	5,559	7,332	5,651	6,339	6,904	7,876	8,160	647	871
1-3pm	1,633	1,407	766	731	4,753	5,625	5,197	4,998	4,480	5,213	5,360	6,215	432	657
3-7pm	3,589	2,866	1,795	2,331	12,426	15,581	13,791	14,425	9,772	10,050	13,047	15,824	881	1,859
6am-7pm	9,753	8,267	5,611	5,174	37,750	36,496	41,741	34,052	32,266	32,797	40,326	41,227	3,120	4,437

* To Bronx

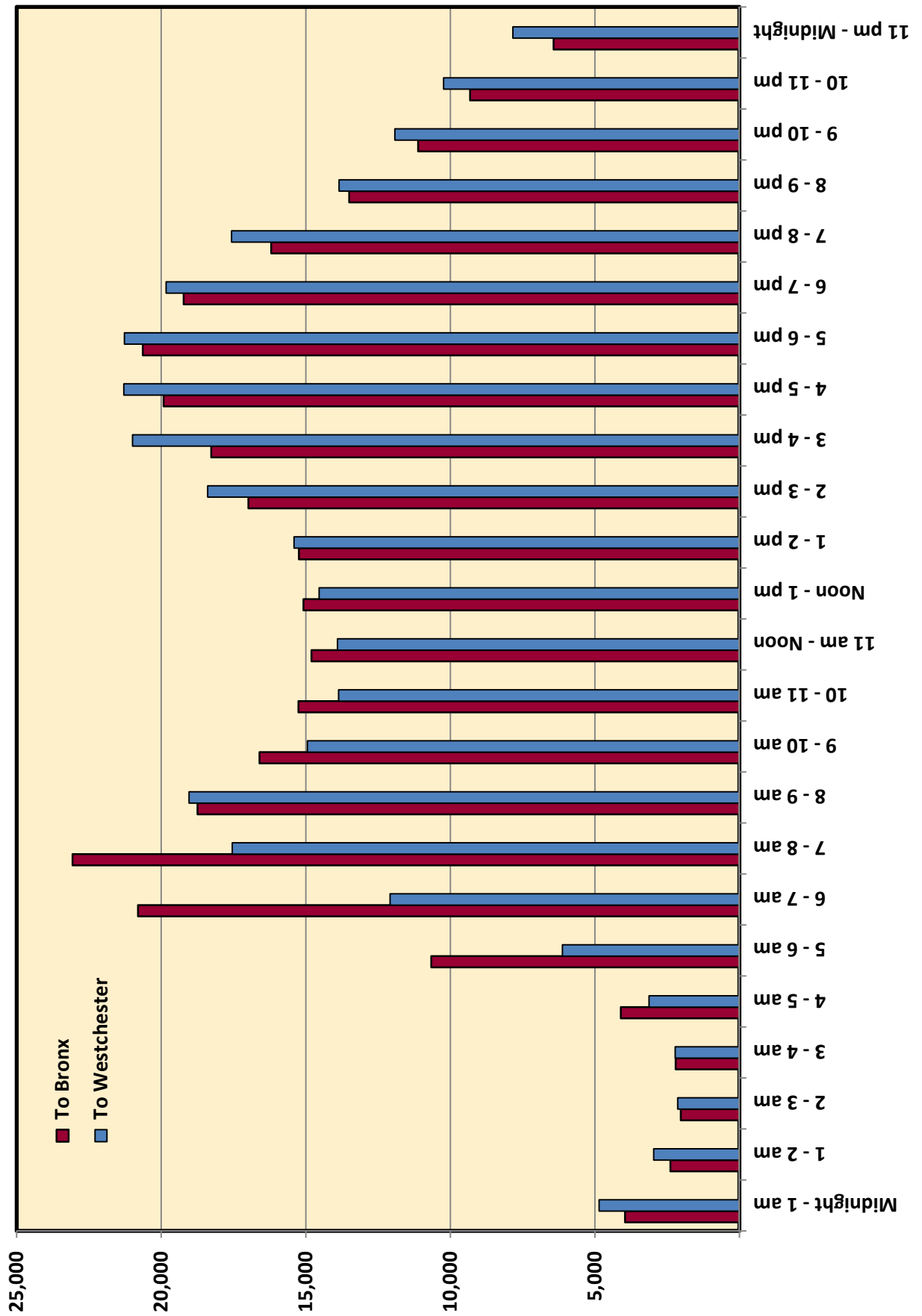
2015 Screenline Volumes Bronx - Westchester (cont'd)

	New England Thruway		Riverdale Ave		Van Cortlandt Park East		Webster Ave		White Plains Rd		Totals	
	S/B*	N/B	S/B*	N/B	S/B*	N/B	S/B*	N/B	S/B*	N/B	To Bronx	To Westchester
Mid-11am	1,103	1,122	36	62	57	62	65	49	101	105	3,959	4,855
1-2am	801	879	23	31	38	46	40	35	68	73	2,389	2,968
2-3am	814	824	14	13	28	30	38	21	55	60	2,030	2,135
3-4am	957	1,017	10	13	28	22	33	16	45	45	2,204	2,221
4-5am	1,545	1,319	27	18	38	31	52	16	81	67	4,101	3,129
5-6am	2,794	1,963	93	37	97	46	127	31	137	115	10,659	6,124
6-7am	3,771	2,912	261	117	166	89	338	91	246	230	20,805	12,084
7-8am	3,702	4,221	477	237	260	169	530	177	336	302	23,067	17,544
8-9am	2,994	4,826	389	269	268	216	418	222	350	394	18,744	19,039
9-10am	2,961	3,557	294	251	198	155	320	174	270	295	16,600	14,943
10-11am	3,341	3,244	243	210	193	170	272	163	281	284	15,253	13,864
11-Noon	3,408	3,152	252	213	205	204	301	167	250	308	14,804	13,903
Noon-1	3,336	3,266	276	250	226	210	301	194	274	308	15,080	14,538
1-2pm	3,354	3,229	272	265	239	218	326	199	308	347	15,236	15,409
2-3pm	3,763	3,584	342	277	277	248	378	220	340	370	16,984	18,394
3-4pm	3,818	3,879	361	323	287	272	401	275	372	391	18,272	20,994
4-5pm	4,309	3,782	338	340	298	308	387	284	426	425	19,919	21,293
5-6pm	4,549	3,773	323	419	331	311	407	355	433	438	20,638	21,276
6-7pm	4,395	3,488	288	390	289	307	355	295	384	406	19,223	19,834
7-8pm	3,943	3,370	226	283	244	253	275	208	347	354	16,198	17,567
8-9pm	3,280	2,796	166	213	193	193	234	173	275	266	13,499	13,851
9-10pm	2,536	2,498	125	162	146	130	180	121	227	220	11,115	11,920
10-11pm	2,291	2,059	115	139	104	96	154	96	194	205	9,318	10,233
11-Mid	1,324	1,716	75	113	73	84	105	72	152	158	6,427	7,837
24 hr Total	69,089	66,476	5,026	4,645	4,283	3,870	6,037	3,654	5,952	6,166	316,524	305,955
6-10am	13,428	15,516	1,421	874	892	629	1,606	664	1,202	1,221	79,216	63,610
10am-1pm	10,085	9,662	771	673	624	584	874	524	805	900	45,137	42,305
1-3pm	7,117	6,813	614	542	516	466	704	419	648	717	32,220	33,803
3-7pm	17,071	14,922	1,310	1,472	1,205	1,198	1,550	1,209	1,615	1,660	78,052	83,397
6am-7pm	47,701	46,913	4,116	3,561	3,237	2,877	4,734	2,816	4,270	4,498	234,625	223,115

* To Bronx

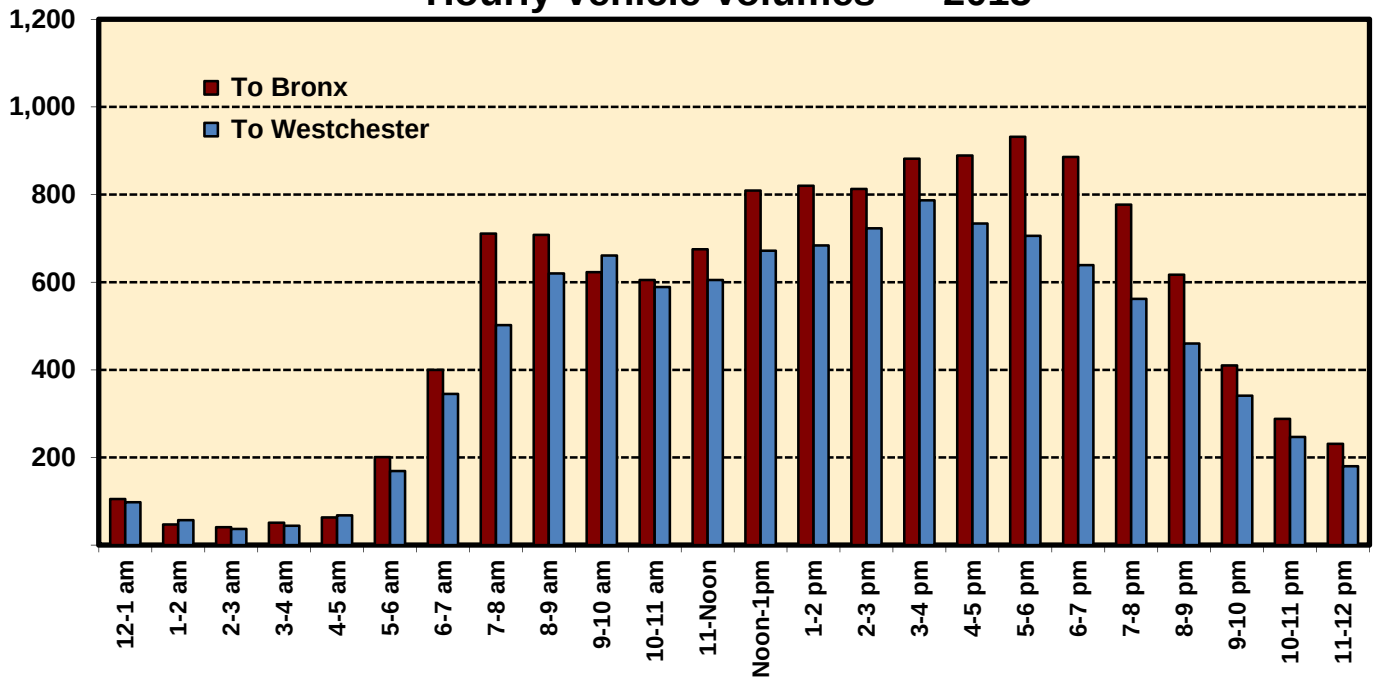
Bronx - Westchester Screenline

Total Hourly Vehicle Volumes ~ 2015

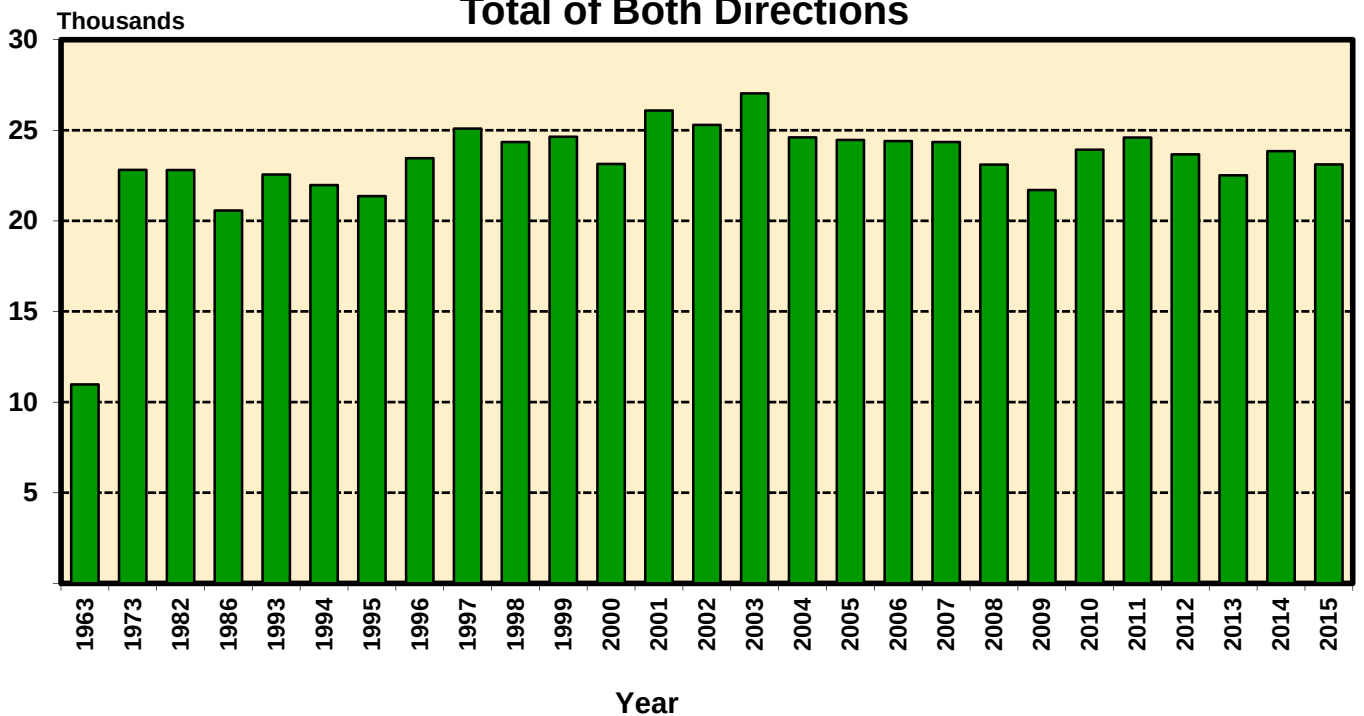


Bronx – Westchester Screenline Volumes

Boston Road Hourly Vehicle Volumes ~ 2015

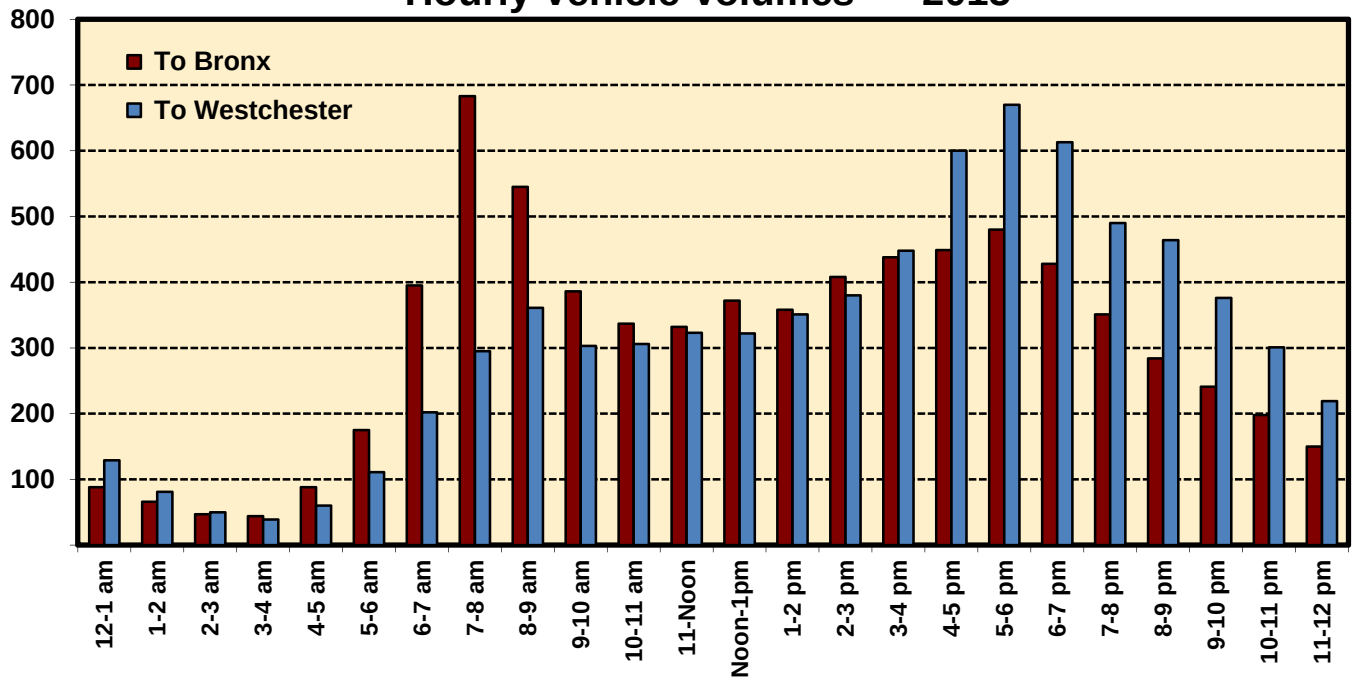


Boston Road Average Daily Traffic Volumes Total of Both Directions

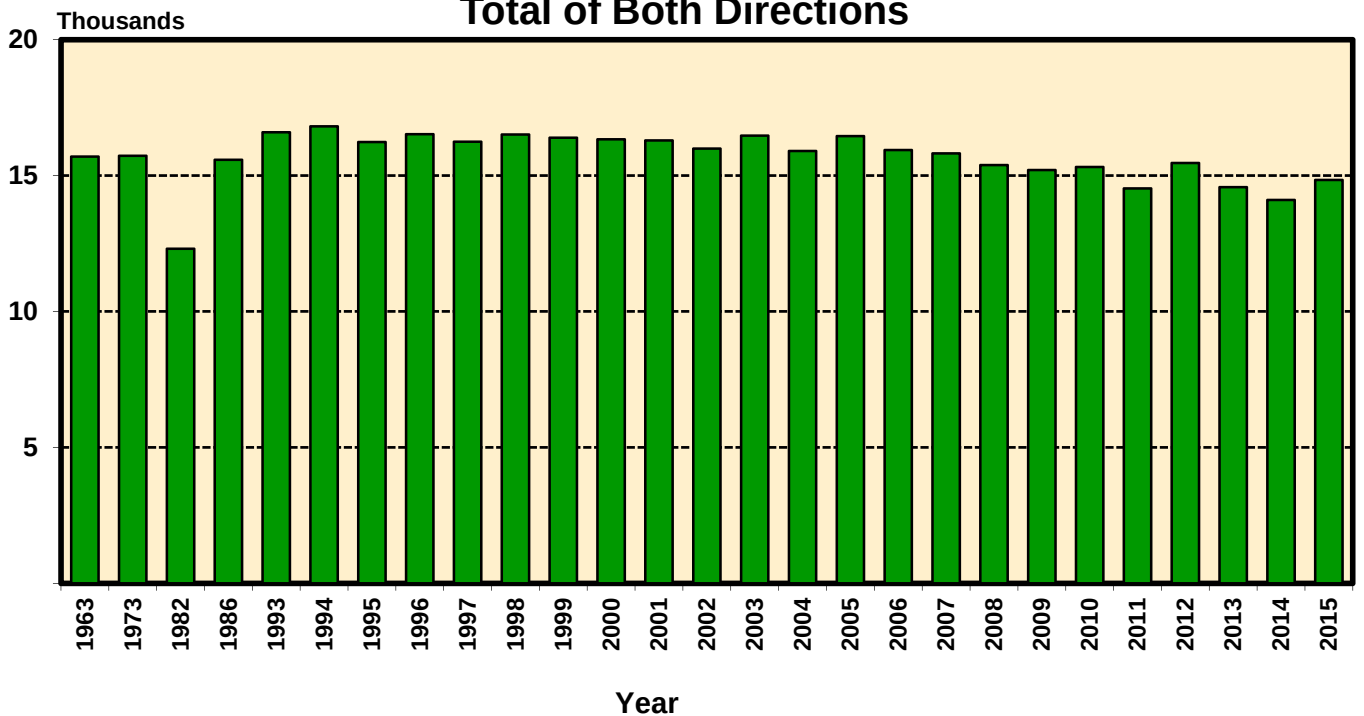


Bronx – Westchester Screenline Volumes

Broadway
Hourly Vehicle Volumes ~ 2015

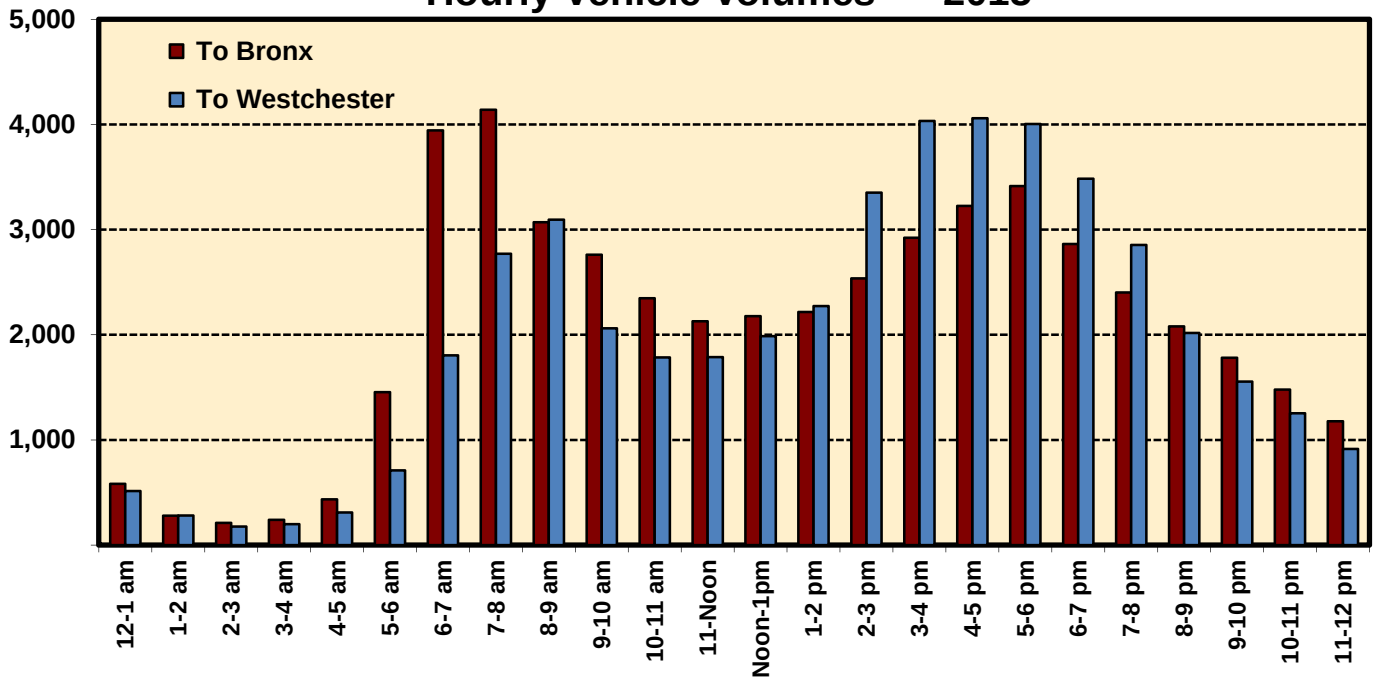


Broadway
Average Daily Traffic Volumes
Total of Both Directions

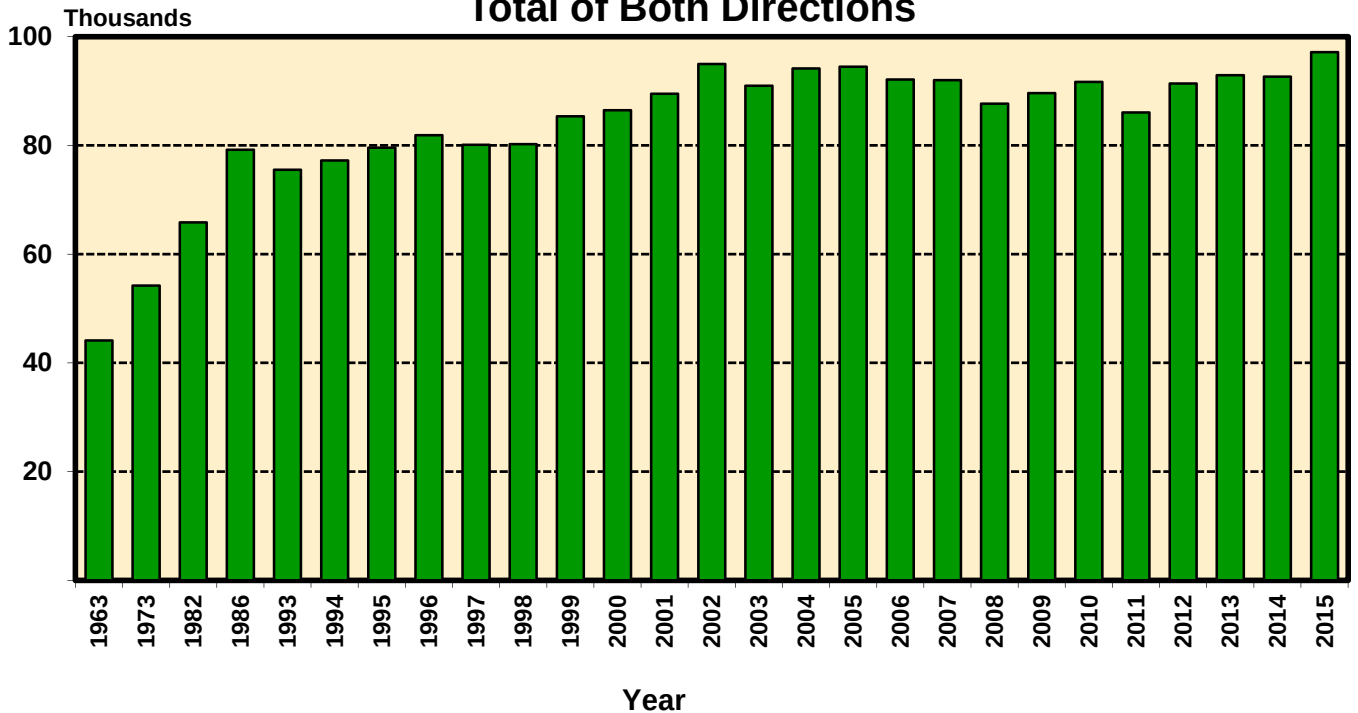


Bronx – Westchester Screenline Volumes

**Bronx River Parkway
Hourly Vehicle Volumes ~ 2015**

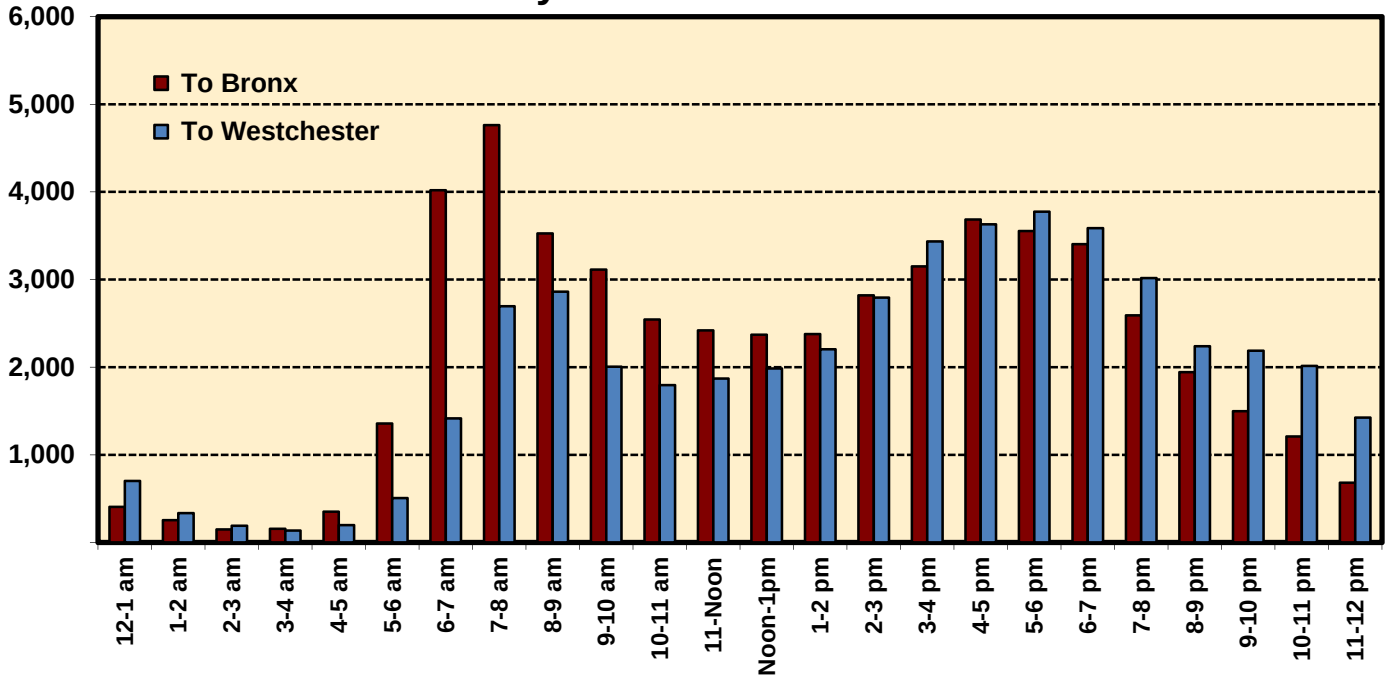


**Bronx River Parkway
Average Daily Traffic Volumes
Total of Both Directions**

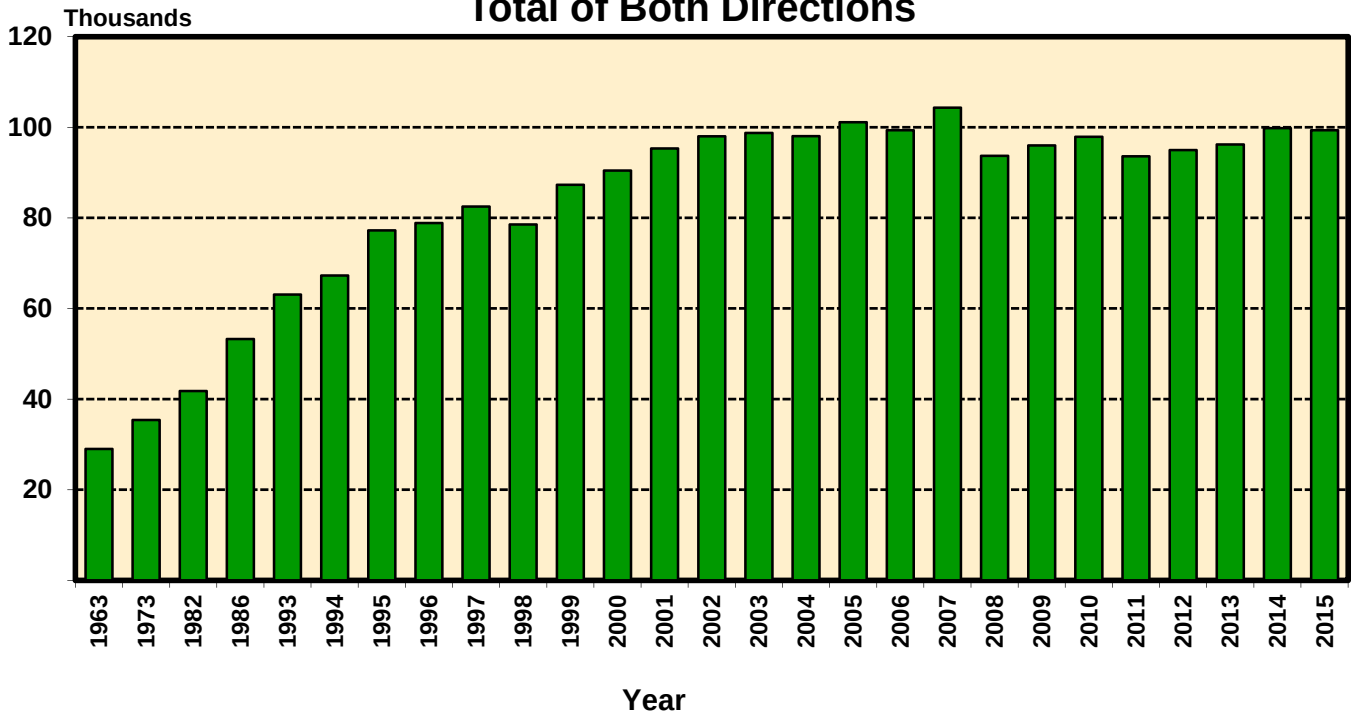


Bronx – Westchester Screenline Volumes

Henry Hudson Parkway Hourly Vehicle Volumes ~ 2015

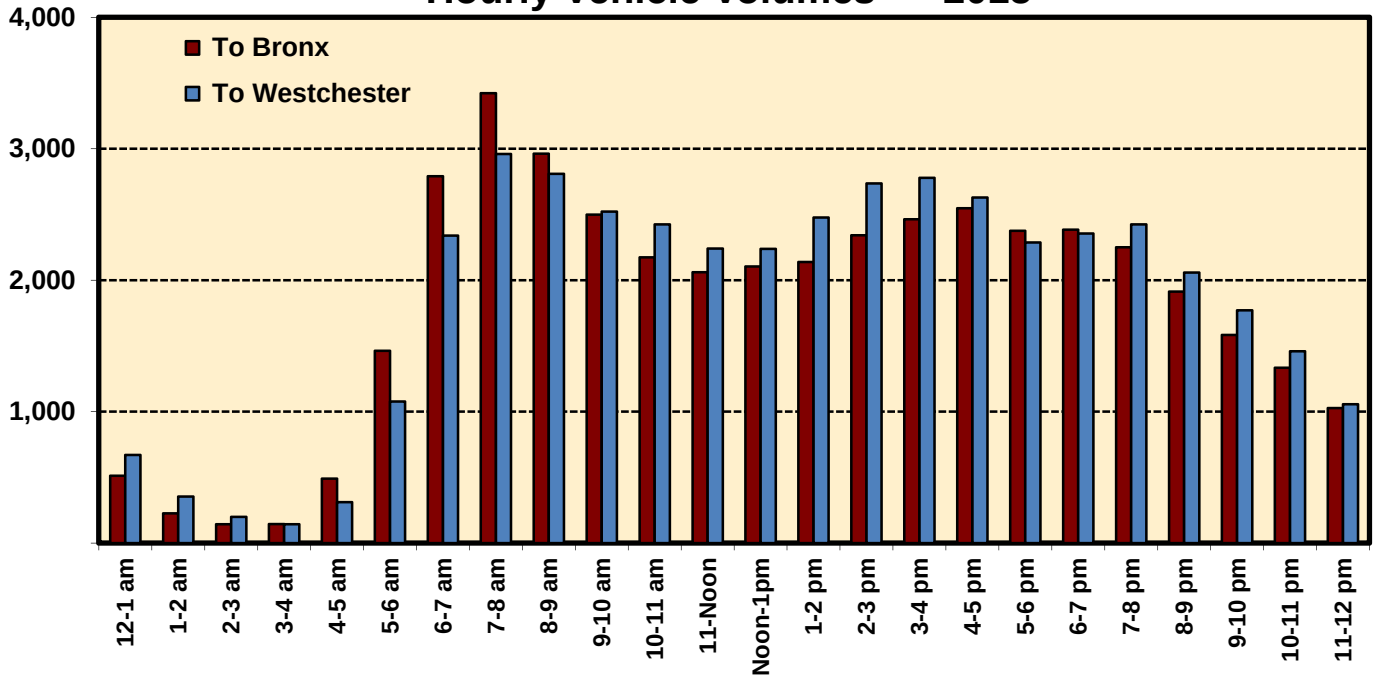


Henry Hudson Parkway Average Daily Traffic Volumes Total of Both Directions

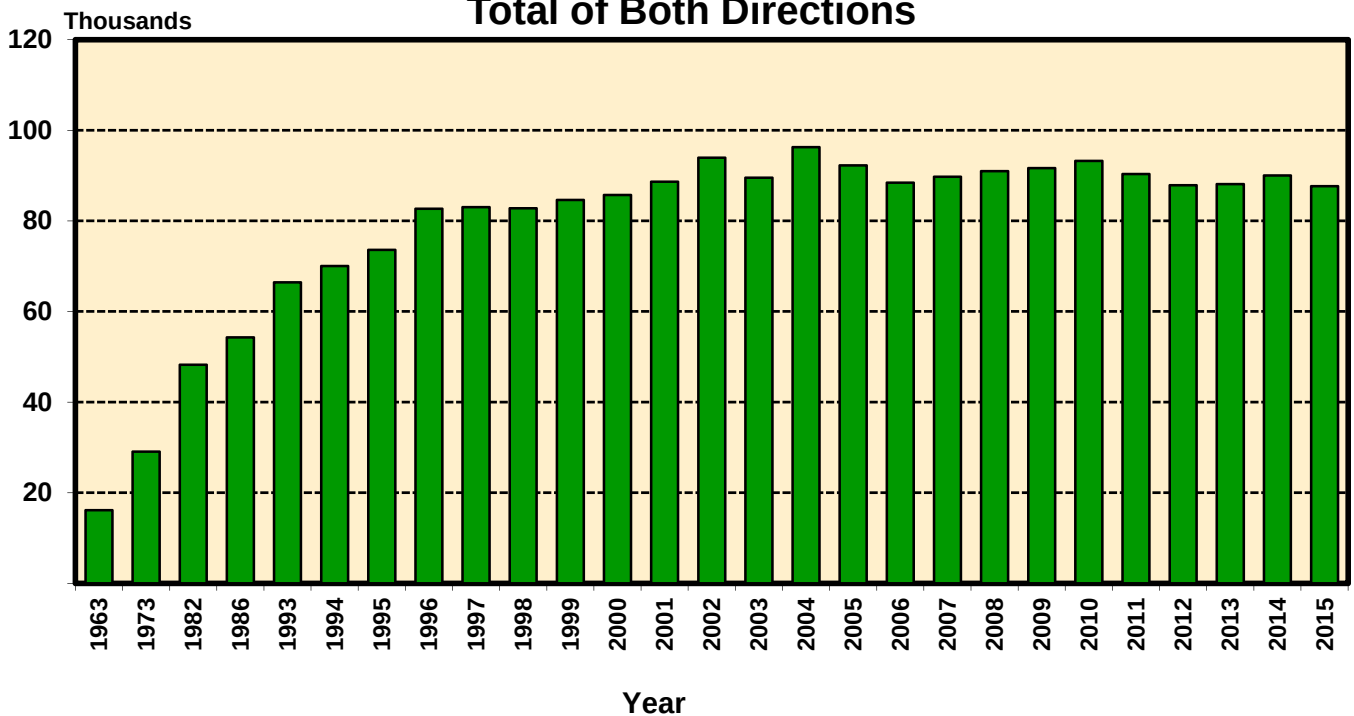


Bronx – Westchester Screenline Volumes

Hutchinson River Parkway Hourly Vehicle Volumes ~ 2015

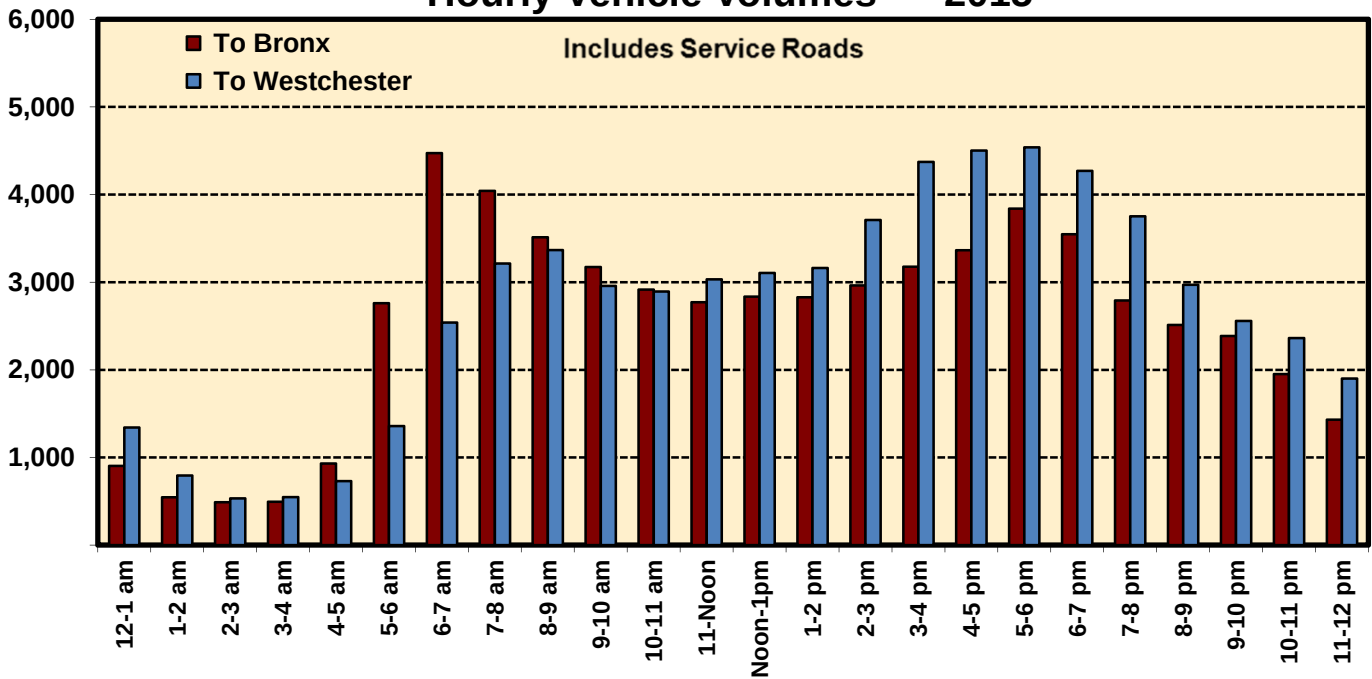


Hutchinson River Parkway Average Daily Traffic Volumes Total of Both Directions

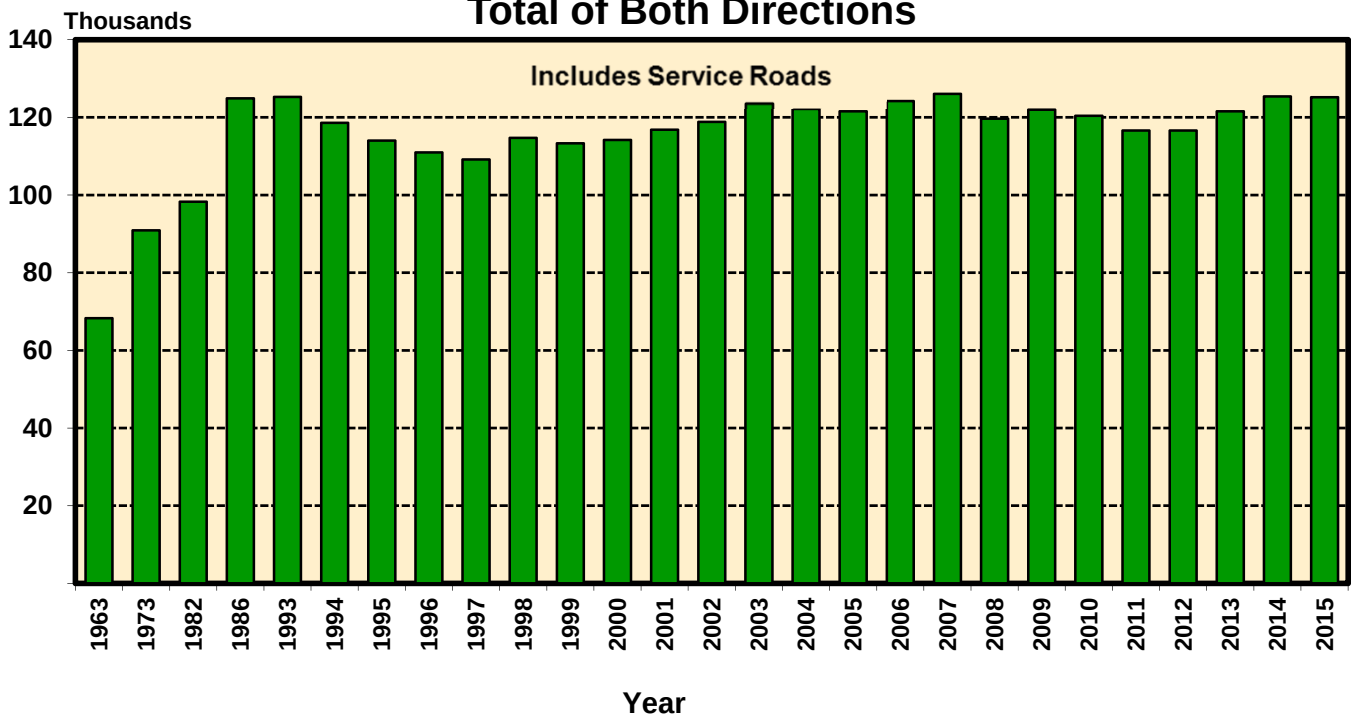


Bronx – Westchester Screenline Volumes

Major Deegan Expressway Hourly Vehicle Volumes ~ 2015

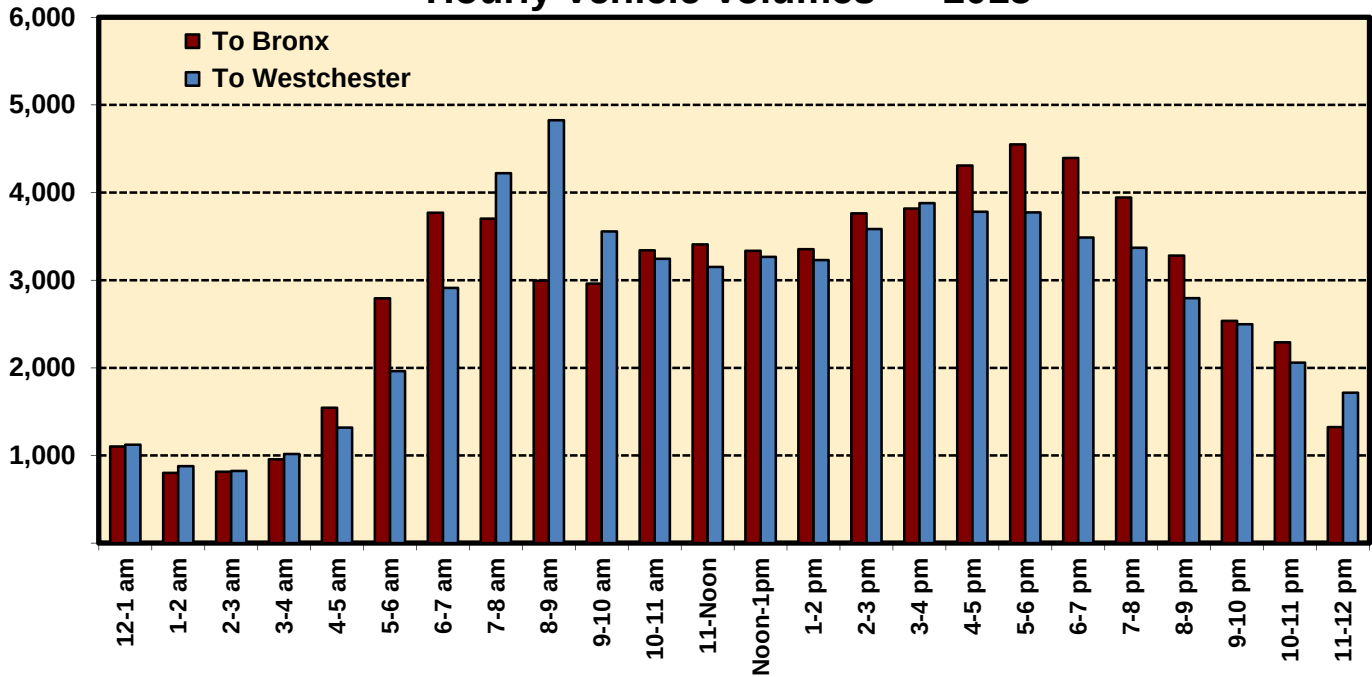


Major Deegan Expressway Average Daily Traffic Volumes Total of Both Directions

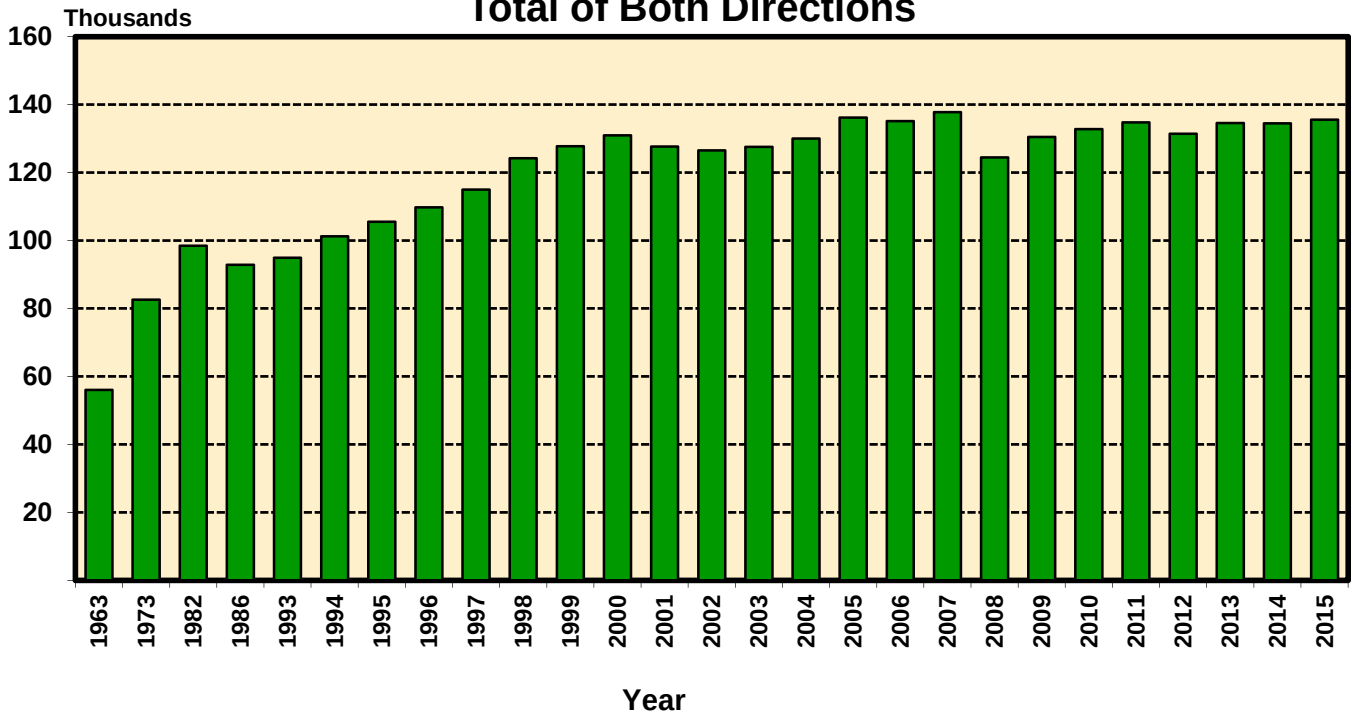


Bronx – Westchester Screenline Volumes

New England Thruway Hourly Vehicle Volumes ~ 2015

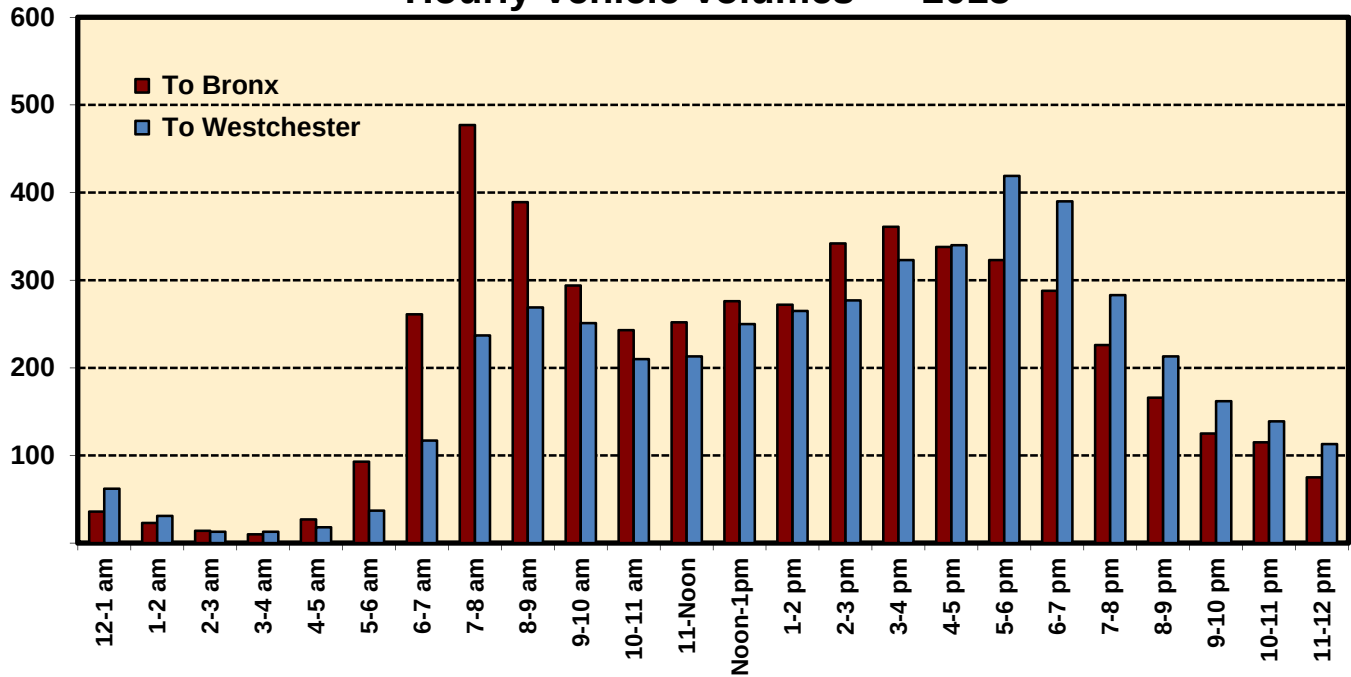


New England Thruway Average Daily Traffic Volumes Total of Both Directions

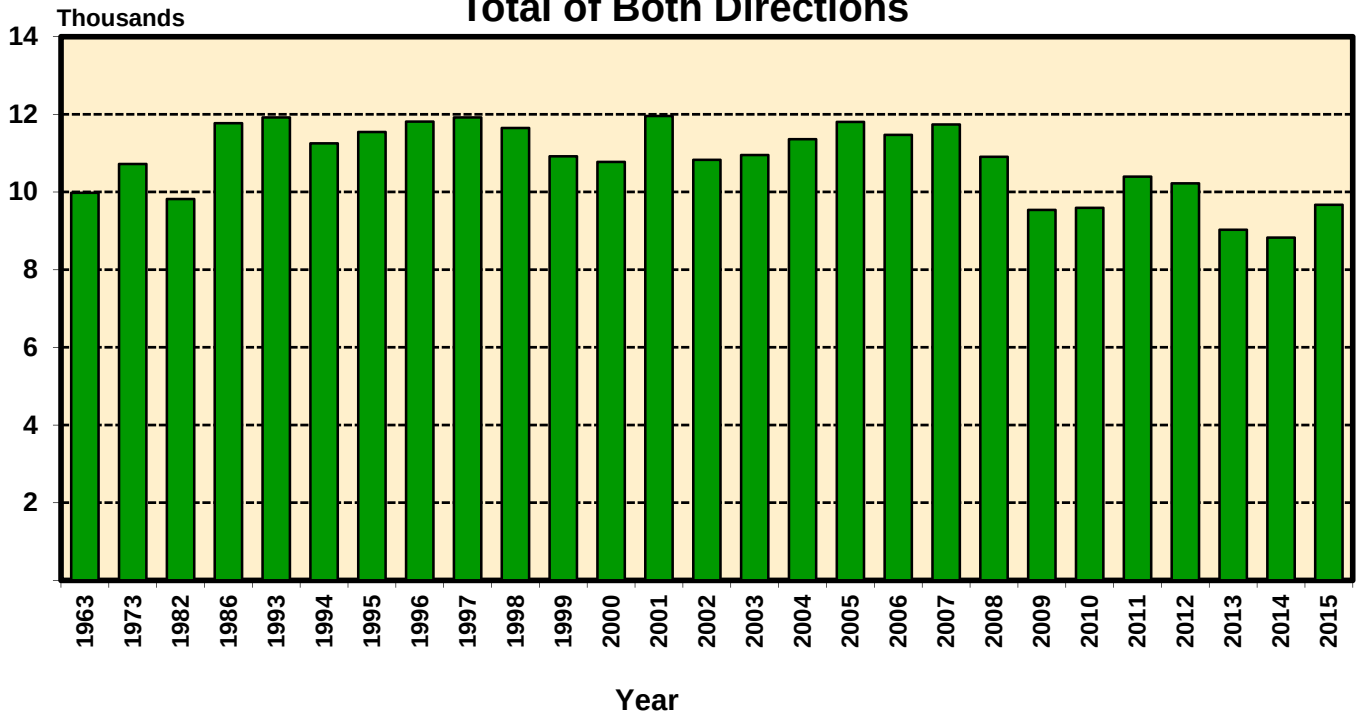


Bronx – Westchester Screenline Volumes

Riverdale Avenue Hourly Vehicle Volumes ~ 2015

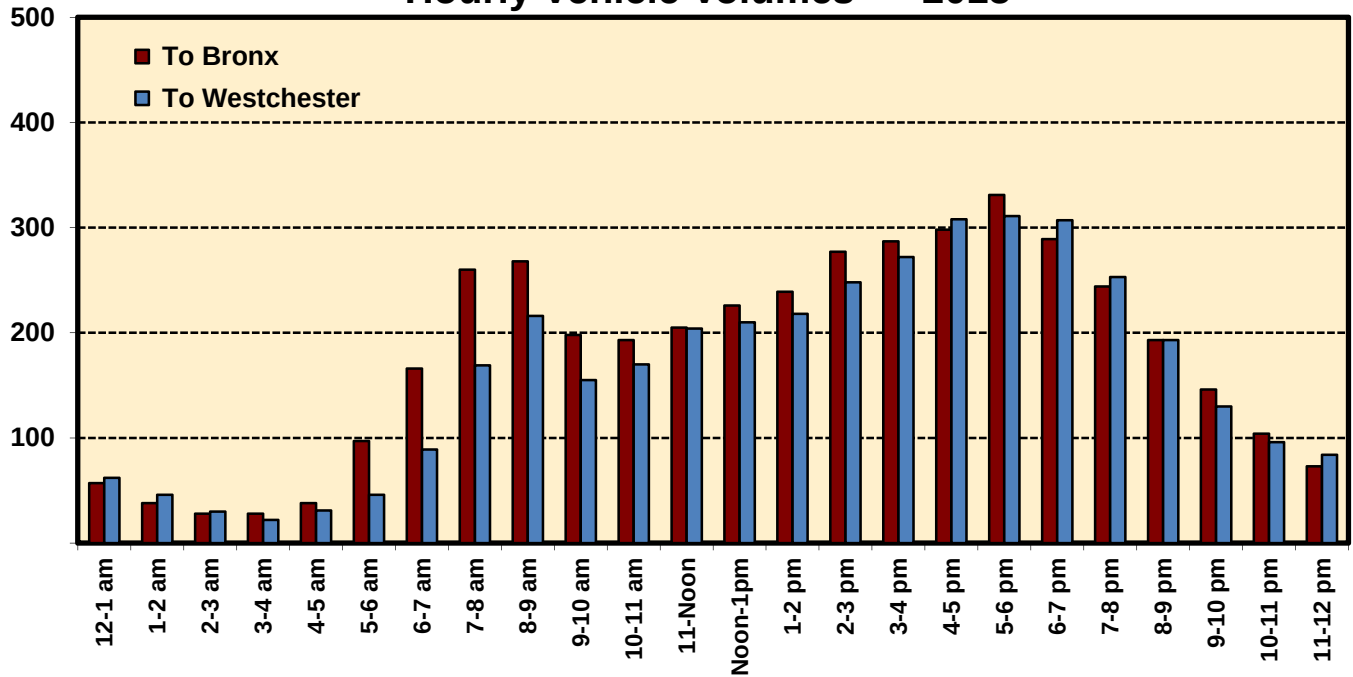


Riverdale Avenue Average Daily Traffic Volumes Total of Both Directions

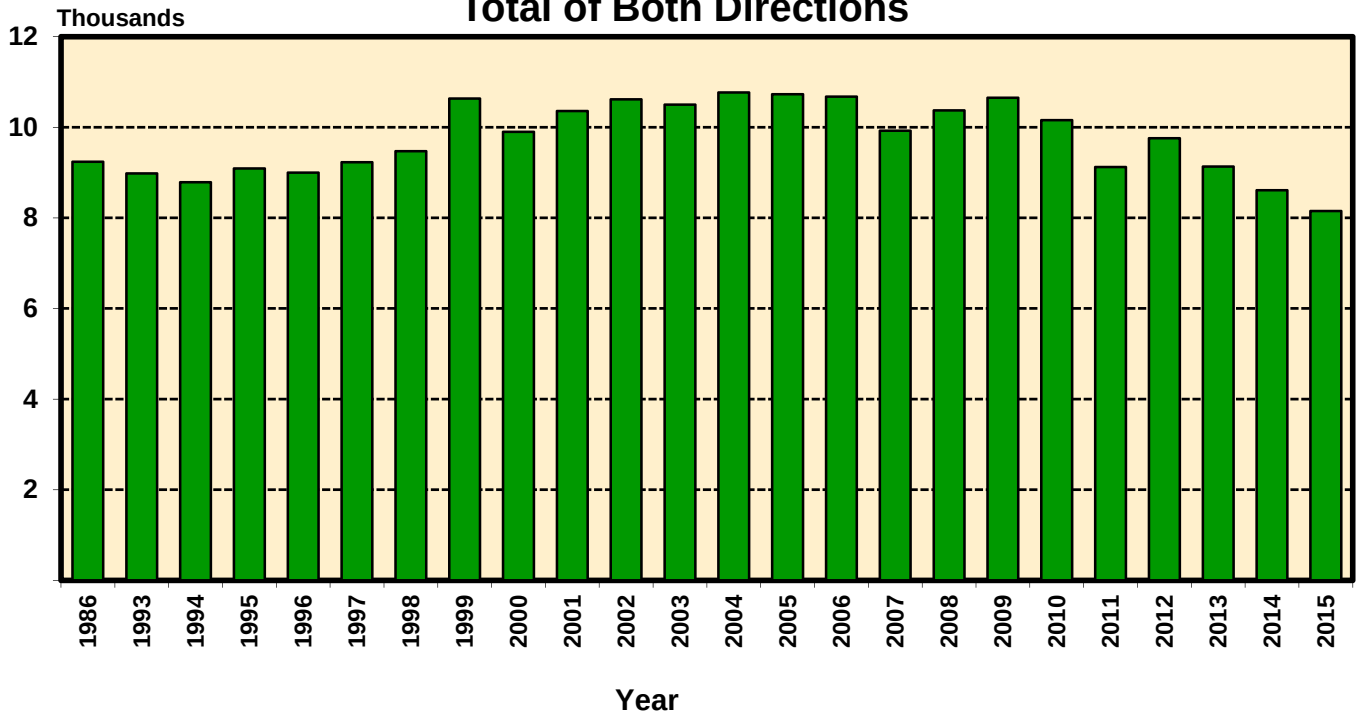


Bronx – Westchester Screenline Volumes

**Van Cortlandt Park East
Hourly Vehicle Volumes ~ 2015**

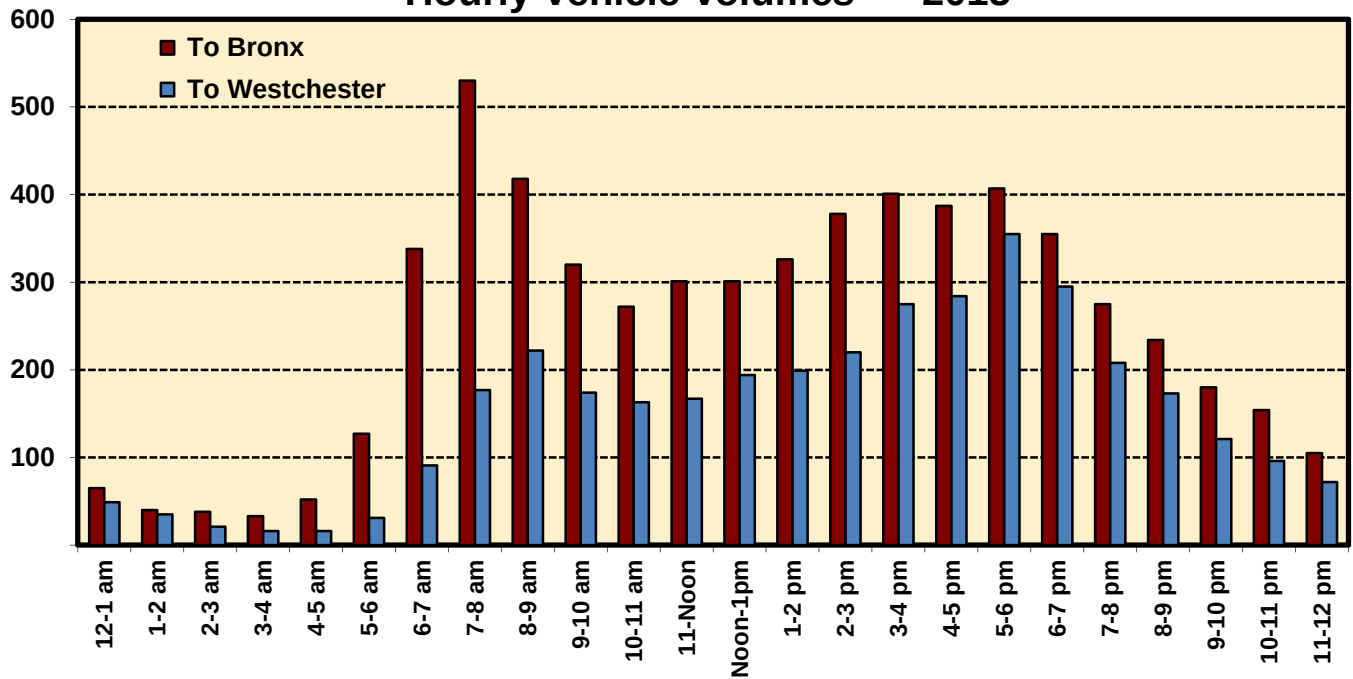


**Van Cortlandt Park East
Average Daily Traffic Volumes
Total of Both Directions**

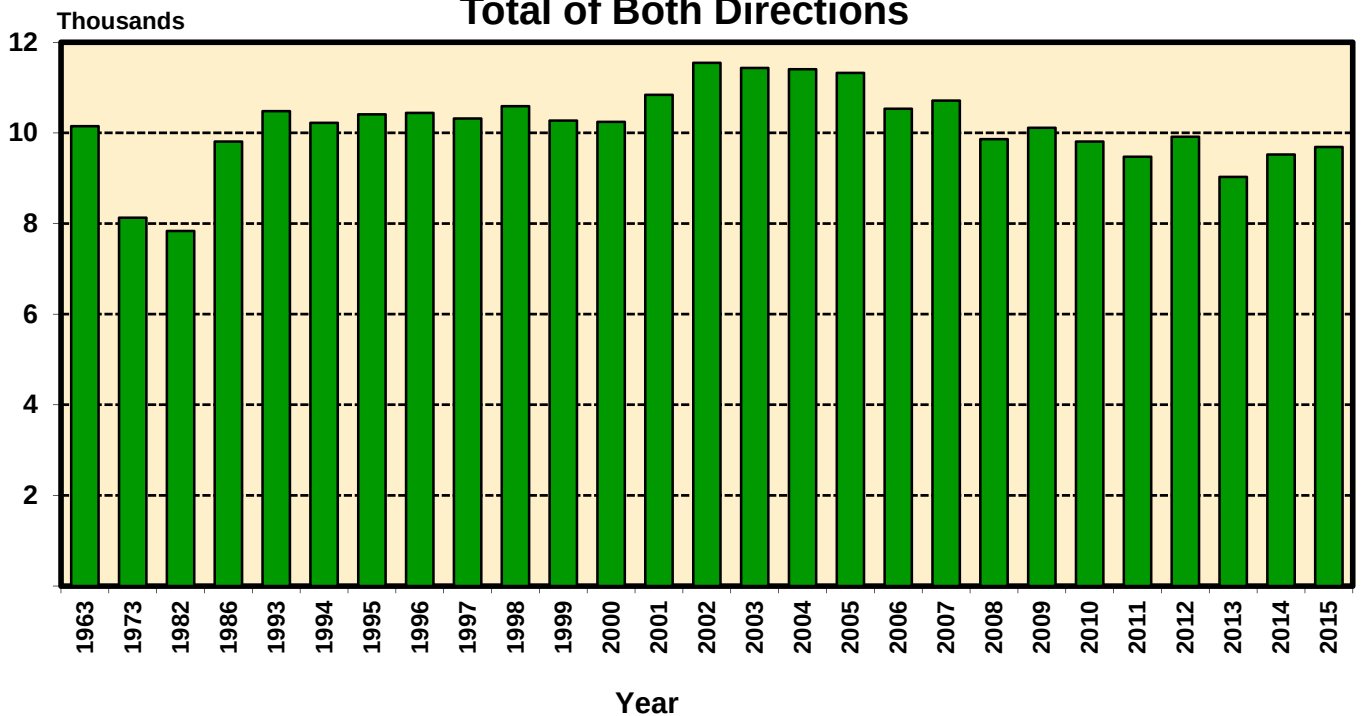


Bronx – Westchester Screenline Volumes

Webster Avenue Hourly Vehicle Volumes ~ 2015

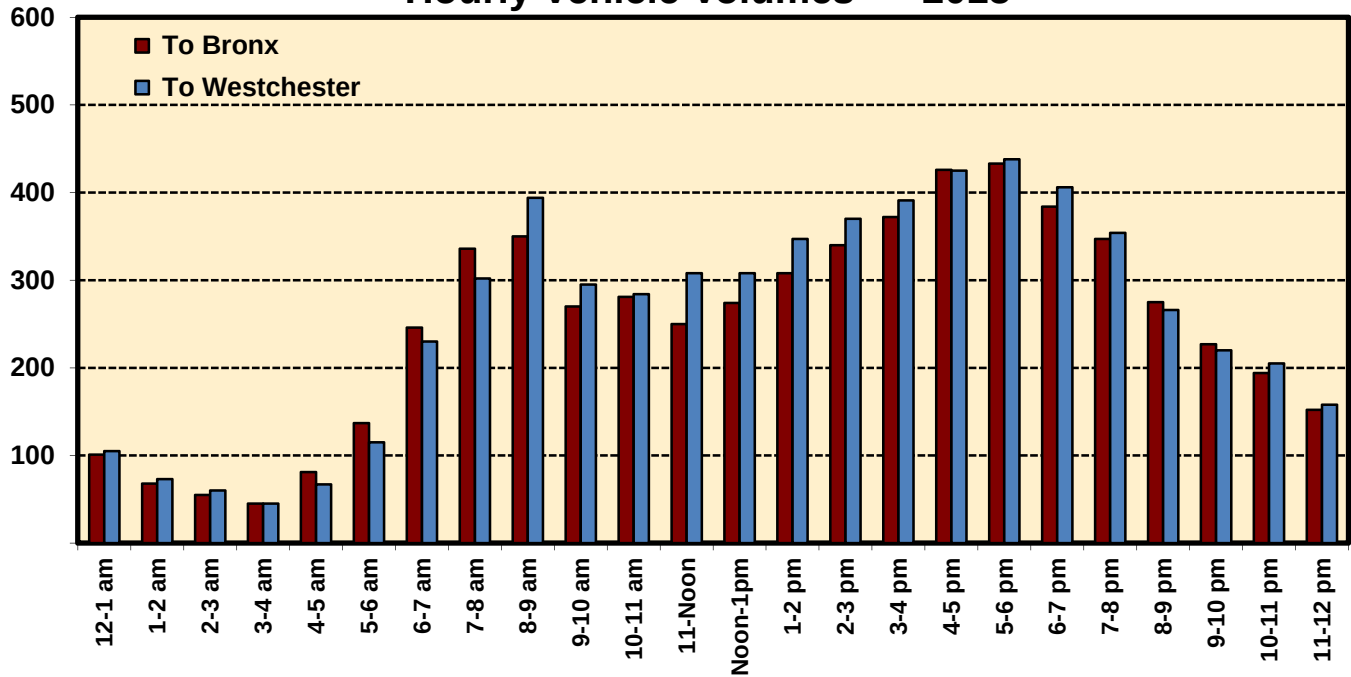


Webster Avenue Average Daily Traffic Volumes Total of Both Directions

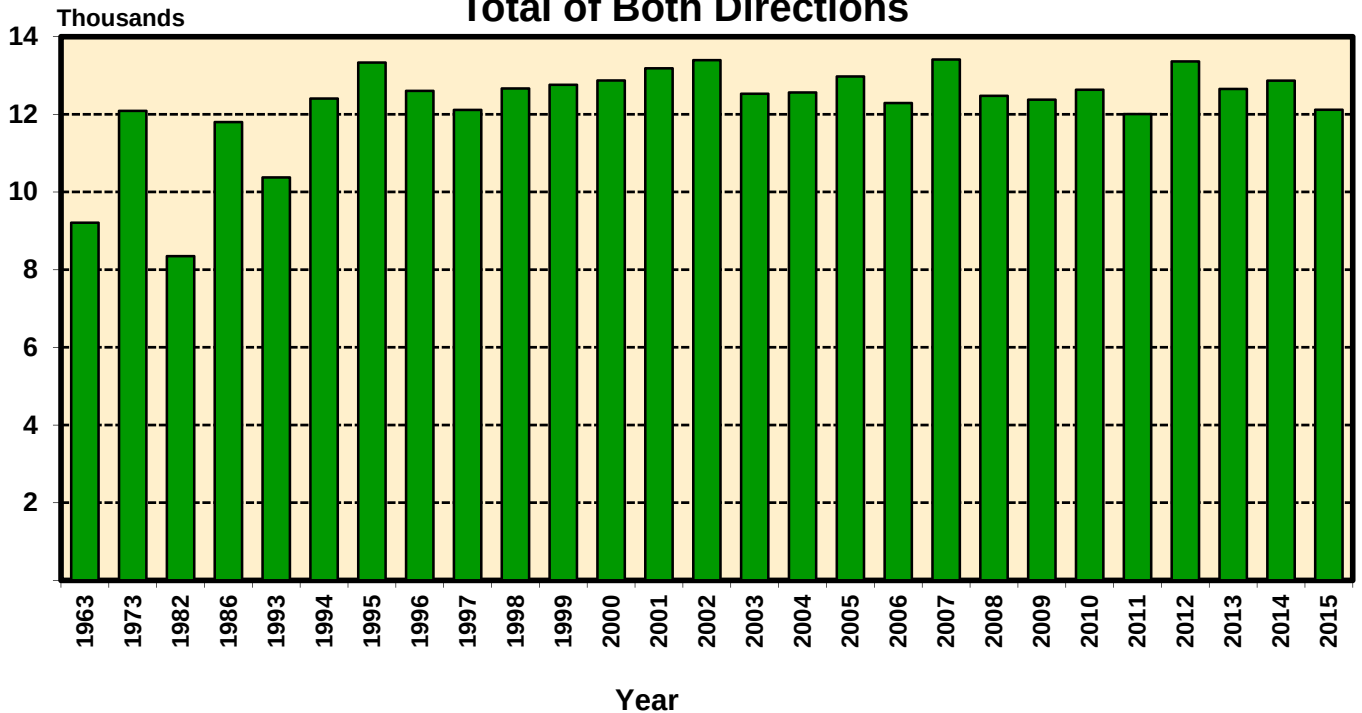


Bronx – Westchester Screenline Volumes

White Plains Road Hourly Vehicle Volumes ~ 2015



White Plains Road Average Daily Traffic Volumes Total of Both Directions



Queens-Nassau Screenline



**Jamaica Avenue at Queens-Nassau Screenline
Looking West**

QUEENS - NASSAU SCREENLINE

In 1963, the first year that Queens - Nassau screenline data were analyzed, average two-way traffic volume on the thirteen roadways studied was 546,550 vehicles per day.

- The Long Island Expressway (including service roads) was the most-traveled facility, serving 143,750 vehicles per day, 26.3% of total monitored Queens - Nassau traffic.
- Laurelton Parkway carried 85,440 vehicles per day, 15.6% of the total.
- Sunrise Highway served 59,470 daily vehicles, 10.9%.
- Grand Central Parkway and its service road accommodated 51,720 daily vehicles, 9.5%.
- Traffic volumes on Central Avenue and Seagirt Boulevard were not collected prior to 1986.

1963 - 1973

Traffic crossing the Queens – Nassau screenline increased 22.7%, to an average of 670,702 vehicles per day in 1973 from 546,550 in 1963 (124,152 additional daily vehicles).

- Grand Central Parkway traffic (including service road) doubled, to 104,836 daily vehicles in 1973 from 51,720 in 1963.
- Long Island Expressway traffic (including service roads) increased 19.8%, to 172,152 daily vehicles in 1973 from 143,750 in 1963.
- Laurelton Parkway traffic increased 15.6%, to 98,797 daily vehicles from 85,440.
- Jamaica Avenue traffic increased 49.0%, to 22,799 daily vehicles from 15,300.
- Rockaway Boulevard traffic increased 20.5%, to 43,921 daily vehicles from 36,460.

1973 - 1982

Between 1973 and 1982, growth slowed, as volume increased 6.3% to 713,146 daily vehicles from 670,702.

- The largest numerical increase occurred on Laurelton Parkway, where traffic increased by 22,877 daily vehicles, to 121,674 in 1982 from 98,797 in 1973 (+23.2%).
- The largest percentage increase occurred on Northern Boulevard where traffic increased 26.4%, to 42,033 daily vehicles from 33,244.
- The largest numerical and percentage decrease occurred on Sunrise Highway, where traffic decreased by 8.5%, to 57,397 daily vehicles in 1982 from 62,704 in 1973 (5,307 fewer daily vehicles).

1982 - 1986

Growth intensified between 1982 and 1986, as Queens – Nassau traffic increased 14.5%, to 816,627 daily vehicles, (excluding 14,520 on Central Avenue and 12,391 on Seagirt Boulevard where volumes were not counted in 1982).

- Grand Central Parkway traffic (including service road) increased 30.8%, to 143,966 daily vehicles in 1986 from 110,038 in 1982.
- Laurelton Parkway traffic increased 22.0%, to 148,408 daily vehicles from 121,674.
- Long Island Expressway traffic (including service roads) increased 12.8%, to 188,996 daily vehicles from 167,558.
- Rockaway Boulevard traffic increased 22.0%, to 56,735 daily vehicles from 46,514.

1986 - 1995

Growth was moderate during this period, as Queens - Nassau screenline volume increased 5.8%, to 892,743 daily vehicles in 1995 from 843,538 in 1986 (including Central Avenue and Seagirt Boulevard which were added to the monitoring schedule as of 1986).

- The largest volume increase was on Grand Central Parkway (including service road) where traffic increased by 14,704 daily vehicles, to 158,670 in 1995 from 143,966 in 1986 (+10.2%).
- The largest percentage increase was on Seagirt Boulevard (up 35.4%, to 16,780 daily vehicles from 12,391).
- The biggest decline was on Laurelton Parkway (decrease of 3,600 daily vehicles, or 2.4%, to 144,808 from 148,408).

1995 - 2005

Growth remained moderate from 1995 to 2005, as Queens - Nassau screenline traffic on the fifteen monitored facilities increased 7.4%, to 959,089 daily vehicles from 892,743.

- The largest volume increase occurred on the Grand Central Parkway and its service road (increase of 27,722 daily vehicles, or 17.5%, to 186,392 from 158,670).
- The largest percentage increase occurred on Jamaica Avenue, where daily traffic increased 20.2%, to 31,620 daily vehicles in 2005 from 26,310 in 1995 (5,310 additional daily vehicles).
- The biggest decline was on the Long Island Expressway and its service roads (decrease of 13,782 daily vehicles, or 6.9%, to 184,824 from 198,606).

2005 - 2015

The past ten years, from 2005 to 2015, have been characterized by a small overall increase in daily Queens-Nassau traffic, with total volume on the fifteen monitored facilities increasing less than 1%, to 959,660 daily vehicles in 2015 from 959,089 in 2005.

- The largest increase was on the Long Island Expressway and its service roads, an increase of 36,164 daily vehicles, to 220,988 in 2015 from 184,824 in 2005 (+19.6%).

- The largest decrease was on the Grand Central Parkway and its service road, a decrease of 21,451 daily vehicles, to 164,941 in 2015 from 186,392 in 2005 (-11.5%).

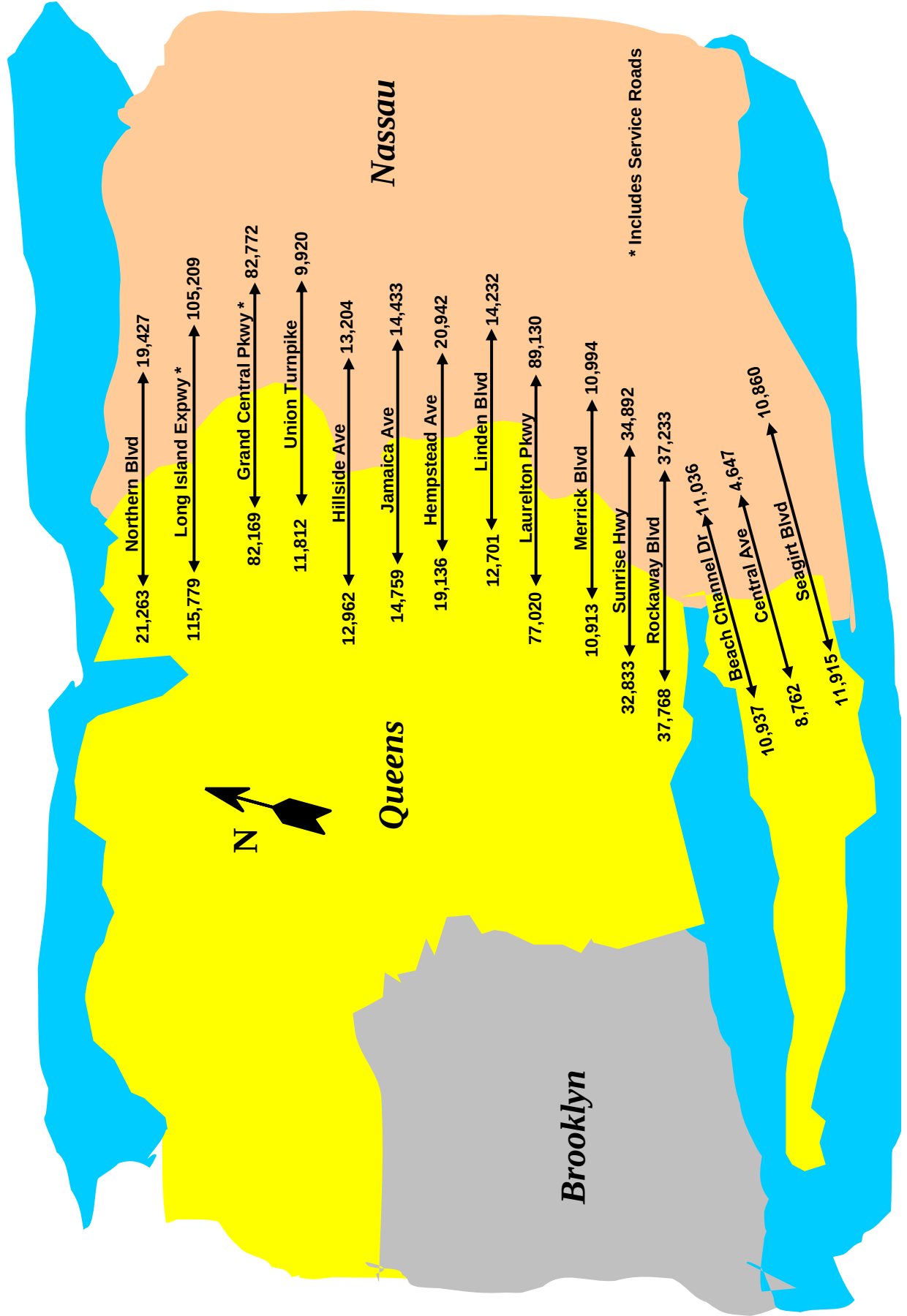
1963 - 2015

During the 52 years from 1963 to 2015, daily traffic on the thirteen Queens - Nassau thoroughfares monitored throughout the period increased 69.0%, to 923,476 from 546,550. Traffic increased on all thirteen facilities.

- Most of the growth in Queens - Nassau traffic since 1963 has occurred on the three limited access facilities crossing the screenline.
- Of the 376,926 additional daily vehicles on the thirteen continuously-monitored facilities, 271,169 (71.9% of the total increase) are on the three limited access routes.
- The Grand Central Parkway alone (including service road) absorbed over one-fourth the total screenline traffic increase, its daily volume more than tripling, to 164,941 in 2015 from 51,720 in 1963.
- Laurelton Parkway traffic nearly doubled, to 166,150 daily vehicles from 85,440.
- On the Long Island Expressway and its service roads, traffic increased 53.7%, to 220,988 daily vehicles from 143,750.
- Rockaway Boulevard traffic more than doubled, to 75,001 daily vehicles from 36,460.
- Jamaica Avenue traffic increased 90.8% to 29,192 daily vehicles from 15,300.
- Linden Boulevard traffic increased 87.9% to 26,933 daily vehicles from 14,330.

Queens – Nassau Screenline

2015 Daily Volumes



Queens - Nassau Screenline Historical Comparisons Average Daily Traffic Volumes

To Queens

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Beach Channel Dr	10,610	11,954	12,411	12,510	11,817	11,609	11,980	11,830	12,317	12,220	12,794	13,845	13,128	13,403	13,844
Central Ave	N/A	N/A	N/A	7,396	8,367	7,848	8,189	8,421	8,181	8,780	8,095	8,647	8,014	9,231	9,319
Grand Central Pky *	25,280	47,495	61,614	71,775	85,261	82,431	79,189	76,571	77,853	78,916	82,978	87,617	91,225	89,054	94,792
Hempstead Ave	18,720	19,167	22,230	19,671	21,008	21,512	21,103	21,294	21,568	21,561	27,530	24,487	22,474	19,797	26,866
Hillside Ave	12,230	11,728	9,799	11,485	12,333	13,149	12,635	12,967	13,087	13,836	16,828	14,070	14,049	13,735	12,140
Jamaica Ave	7,370	11,473	13,984	14,081	14,090	13,775	13,339	13,950	13,149	13,822	14,769	14,921	14,504	15,324	15,044
Laurelton Pky	42,980	48,873	67,940	72,147	64,216	69,082	68,967	68,838	75,601	77,315	76,246	76,654	82,194	77,076	72,783
Linden Blvd	6,840	10,470	11,863	12,767	18,190	19,846	19,517	12,870	12,431	12,961	13,717	12,782	11,565	12,485	12,904
Long Island Exp *	70,340	85,294	83,656	90,553	101,193	101,972	100,335	101,602	100,402	100,310	96,711	97,412	90,205	97,818	99,694
Merrick Blvd	7,880	8,140	10,631	9,708	8,803	9,633	9,694	9,478	9,255	9,517	9,563	9,434	9,833	9,559	10,538
Northern Blvd	14,450	17,659	20,288	20,232	21,275	21,375	21,011	22,350	21,962	21,149	22,897	22,912	24,221	22,943	23,695
Rockaway Blvd	18,470	22,448	21,300	26,676	28,200	30,587	31,508	31,914	31,392	33,930	35,957	36,447	36,893	33,865	34,633
Seagirt Blvd	N/A	N/A	N/A	6,161	8,025	8,412	8,687	8,426	8,767	8,410	7,656	8,765	8,044	10,341	11,263
Sunrise Hwy	28,730	31,403	28,592	30,256	32,839	26,643	30,314	32,806	33,980	32,638	35,872	36,606	34,519	30,922	34,542
Union Tpke	8,460	8,836	9,171	11,587	12,429	12,458	12,274	12,598	12,222	12,007	12,245	8,262	12,495	13,260	13,275
Totals	272,360	334,940	373,479	417,005	448,046	450,332	448,742	445,915	452,167	457,372	473,858	472,861	473,363	468,813	485,332

To Queens

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Beach Channel Dr	12,542	11,997	12,347	15,377	12,685	12,010	12,515	11,927	12,244	12,583	10,853	10,937
Central Ave	8,681	8,909	9,308	8,321	9,051	8,778	8,833	8,839	9,133	8,968	9,802	8,762
Grand Central Pky *	92,464	92,993	80,941	77,918	78,423	75,454	77,447	80,288	79,276	78,594	82,032	82,169
Hempstead Ave	20,781	19,270	18,731	22,786	24,705	22,303	19,701	19,196	23,311	22,193	18,358	19,136
Hillside Ave	13,697	13,472	12,558	12,170	12,489	12,481	12,862	11,768	14,004	13,865	13,976	12,962
Jamaica Ave	15,601	15,903	14,954	14,524	14,433	14,318	14,947	14,285	14,625	12,774	13,262	14,759
Laurelton Pky	85,728	80,245	80,157	79,954	75,794	74,934	83,535	81,615	77,773	80,608	75,961	77,020
Linden Blvd	12,869	13,521	13,099	11,976	12,855	12,430	12,815	12,025	12,314	12,853	11,900	12,701
Long Island Exp *	91,797	92,491	97,600	101,793	115,433	119,082	115,357	113,144	114,363	116,638	117,487	115,779
Merrick Blvd	10,441	9,841	9,466	9,238	9,041	9,140	9,741	9,630	11,365	10,159	10,348	10,913
Northern Blvd	23,054	20,807	21,523	20,953	20,765	20,252	20,885	21,642	23,838	21,911	22,270	21,263
Rockaway Blvd	35,464	36,156	36,371	39,466	38,167	38,366	36,767	36,560	37,548	38,459	36,435	37,768
Seagirt Blvd	10,665	10,046	11,236	10,659	10,099	10,204	10,800	10,690	10,928	10,926	11,106	11,915
Sunrise Hwy	33,706	35,166	32,833	33,626	32,159	33,065	32,749	32,213	31,281	33,452	32,360	32,833
Union Tpke	12,770	12,532	11,792	10,826	11,338	10,709	11,259	11,491	11,835	12,178	12,110	11,812
Totals	480,260	473,349	462,916	469,587	477,437	473,526	480,213	475,313	483,838	486,161	478,260	480,729

* Includes service roads.

Queens - Nassau Screenline

Historical Comparisons

Average Daily Traffic Volumes (continued)

To Nassau

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Beach Channel Dr	9,050	11,472	14,759	13,165	11,107	11,198	11,923	12,037	12,642	12,022	11,929	11,740	11,532	12,207	12,484
Central Ave	N/A	N/A	N/A	7,124	5,424	4,959	5,022	5,452	4,905	5,215	4,711	5,119	4,910	5,175	5,100
Grand Central Pky *	26,440	57,341	48,424	72,191	89,073	80,438	79,481	82,086	79,934	84,576	85,888	85,579	89,640	89,813	92,426
Hempstead Ave	16,680	16,293	13,555	18,035	19,155	21,008	20,722	19,453	20,328	20,815	22,359	22,400	22,176	23,621	24,466
Hillside Ave	11,270	10,297	10,625	11,419	13,089	14,398	13,247	12,860	13,324	13,077	15,482	13,901	13,526	13,593	12,864
Jamaica Ave	7,930	11,326	13,345	13,377	13,293	12,744	12,971	13,170	13,229	13,391	13,495	13,821	13,702	14,869	14,721
Laurelton Pky	42,460	49,924	53,734	76,261	73,044	76,773	75,841	74,897	79,808	82,005	84,544	82,489	89,251	85,216	86,229
Linden Blvd	7,490	8,260	7,697	10,283	10,718	10,660	11,626	15,038	15,443	15,660	15,797	15,679	15,136	15,327	16,528
Long Island Exp *	73,410	86,858	83,902	98,443	96,937	97,860	98,271	99,342	101,200	100,938	99,919	93,967	92,593	92,794	90,940
Merrick Blvd	7,760	8,080	7,296	9,206	9,339	9,866	10,205	9,871	9,933	9,852	9,595	9,482	9,568	9,920	10,052
Northern Blvd	14,680	15,585	21,745	20,741	20,477	21,524	20,619	19,876	19,987	19,854	20,747	22,049	21,584	21,243	21,970
Rockaway Blvd	17,990	21,473	25,214	30,059	32,317	33,958	35,009	34,237	32,226	32,193	34,598	37,683	35,134	36,098	37,929
Seagirt Blvd	N/A	N/A	N/A	6,230	8,124	7,899	8,093	8,261	7,727	8,112	8,452	8,806	7,895	10,051	11,634
Sunrise Hwy	30,740	31,301	28,805	29,145	32,406	32,821	30,458	33,147	34,178	34,158	34,796	34,389	34,099	31,920	33,123
Union Tpke	8,290	7,552	10,566	10,854	9,769	10,737	10,513	10,502	10,100	10,163	10,873	10,182	12,618	13,346	12,896
Totals	274,190	335,762	339,667	426,533	444,272	446,843	444,001	450,229	454,964	462,031	473,185	467,286	473,364	475,193	483,362

To Nassau

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Beach Channel Dr	11,702	11,652	13,454	13,615	11,667	11,531	11,772	10,891	11,126	10,797	10,152	11,036
Central Ave	5,541	5,762	6,262	5,334	4,803	4,738	4,750	4,861	4,869	4,944	4,973	4,647
Grand Central Pky *	92,233	93,399	84,853	84,831	80,185	80,967	85,415	84,211	82,991	79,923	81,750	82,772
Hempstead Ave	22,881	24,757	22,234	23,292	21,910	22,191	22,005	21,470	20,996	20,801	20,528	20,942
Hillside Ave	12,676	13,055	10,565	12,158	12,411	11,080	10,673	10,404	12,161	13,086	13,066	13,204
Jamaica Ave	15,126	15,717	14,660	14,479	14,641	13,953	14,203	13,928	14,414	13,411	13,360	14,433
Laurelton Pky	89,675	88,909	88,702	93,700	83,373	87,118	86,706	88,528	86,570	88,803	88,033	89,130
Linden Blvd	15,619	16,123	15,199	13,996	11,912	13,919	14,815	13,708	16,081	13,884	13,304	14,232
Long Island Exp *	92,065	92,333	94,300	99,602	114,971	119,870	112,483	117,334	113,868	114,800	118,491	105,209
Merrick Blvd	10,565	9,694	9,567	9,421	10,467	9,426	10,581	9,804	11,398	10,701	10,529	10,994
Northern Blvd	21,748	21,067	19,837	18,072	18,718	18,372	18,253	18,291	19,557	19,417	19,686	19,427
Rockaway Blvd	38,468	37,188	37,396	38,293	37,293	36,742	37,297	38,157	38,475	39,409	37,558	37,233
Seagirt Blvd	10,379	9,805	11,321	11,783	9,808	10,064	10,498	10,143	10,338	11,090	9,613	10,860
Sunrise Hwy	34,421	35,842	33,986	35,272	32,835	33,329	34,963	32,411	29,316	33,385	33,616	34,892
Union Tpke	12,246	10,437	9,297	8,774	9,074	8,775	9,041	8,204	8,222	9,392	9,720	9,920
Totals	485,345	485,740	471,633	482,622	474,068	482,075	483,455	482,345	480,382	483,843	484,379	478,931

* Includes service roads.

Queens - Nassau Screenline
Historical Comparisons
Average Daily Traffic Volumes (continued)

Both Directions

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Beach Channel Dr	19,660	23,426	27,170	25,675	22,924	22,807	23,903	23,867	24,959	24,242	24,723	25,585	24,660	25,610	26,328
Central Ave	N/A	N/A	N/A	14,520	13,791	12,807	13,211	13,873	13,086	13,995	12,806	13,766	12,924	14,406	14,419
Grand Central Pky *	51,720	104,836	110,038	143,966	174,334	162,869	158,670	158,657	157,787	163,492	168,866	173,196	180,865	178,867	187,218
Hempstead Ave	35,400	35,460	35,785	37,706	40,163	42,520	41,825	40,747	41,896	42,376	49,889	46,887	44,650	43,418	51,332
Hillside Ave	23,500	22,025	20,424	22,904	25,422	27,547	25,882	25,827	26,411	26,913	32,310	27,971	27,575	27,328	25,004
Jamaica Ave	15,300	22,799	27,329	27,458	27,383	26,519	26,310	27,120	26,378	27,213	28,264	28,742	28,206	30,193	29,765
Laurelton Pky	85,440	98,797	121,674	148,408	137,260	145,855	144,808	143,735	155,409	159,320	160,790	159,143	171,445	162,292	159,012
Linden Blvd	14,330	18,730	19,560	23,050	28,908	30,506	31,143	27,908	27,874	28,621	29,514	28,461	26,701	27,812	29,432
Long Island Exp *	143,750	172,152	167,558	188,996	198,130	199,832	198,606	200,944	201,602	201,248	196,630	191,379	182,798	190,612	190,634
Merrick Blvd	15,640	16,220	17,927	18,914	18,142	19,499	19,899	19,349	19,188	19,369	19,158	18,916	19,401	19,479	20,590
Northern Blvd	29,130	33,244	42,033	40,973	41,752	42,899	41,630	42,226	41,949	41,003	43,644	44,961	45,805	44,186	45,665
Rockaway Blvd	36,460	43,921	46,514	56,735	60,517	64,545	66,517	66,151	63,618	66,123	70,555	74,130	72,027	69,963	72,562
Seagirt Blvd	N/A	N/A	N/A	12,391	16,149	16,311	16,780	16,687	16,494	16,522	16,108	17,571	15,939	20,392	22,897
Sunrise Hwy	59,470	62,704	57,397	59,401	65,245	59,446	60,772	65,953	68,158	66,796	70,668	70,995	68,618	62,842	67,665
Union Tpke	16,750	16,388	19,737	22,441	22,198	23,195	22,787	23,100	22,322	22,170	23,118	18,444	25,113	26,606	26,171
Totals	546,550	670,702	713,146	843,538	892,318	897,175	892,743	896,144	907,131	919,403	947,043	940,147	946,727	944,006	968,694

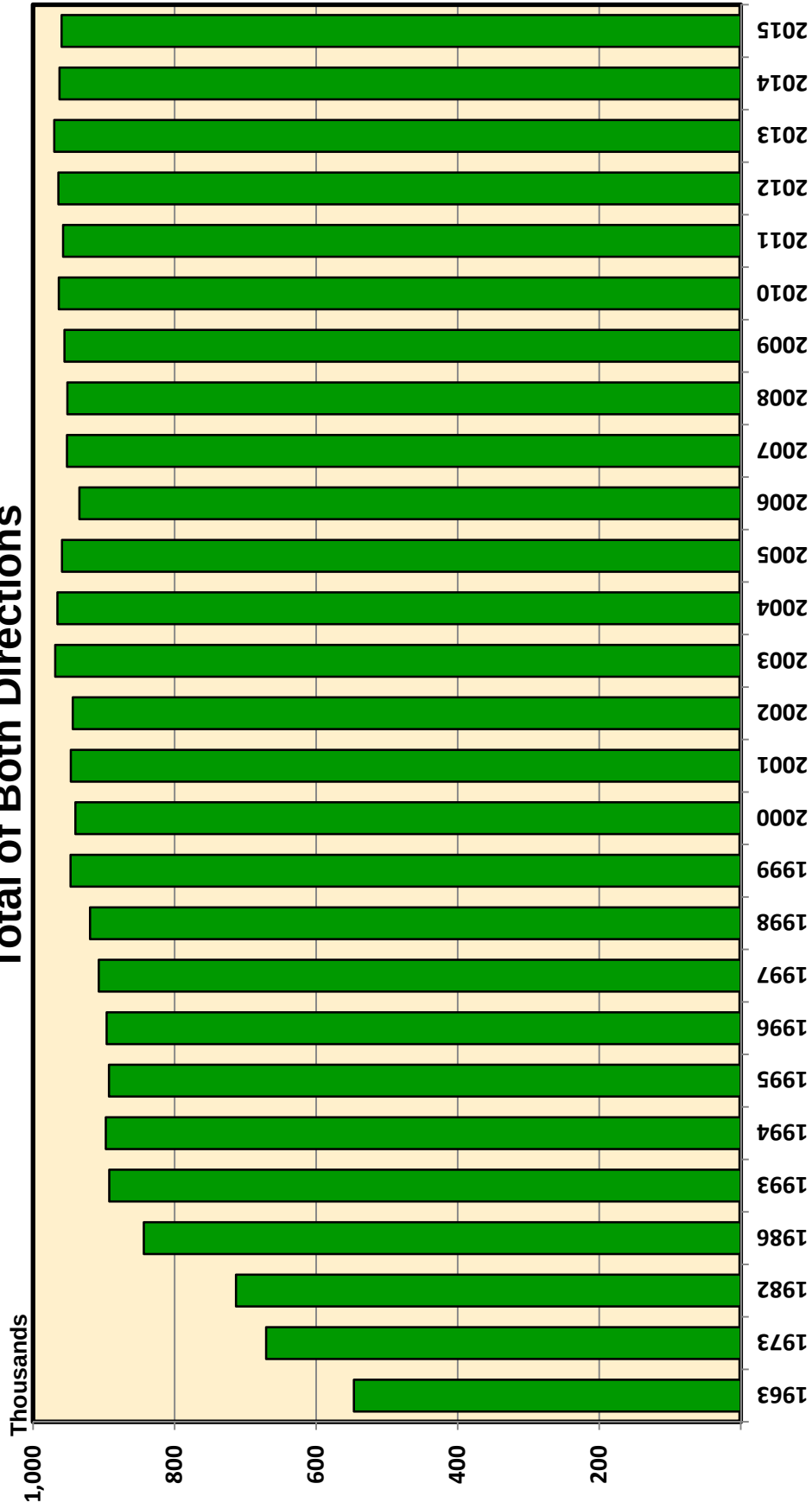
Both Directions

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Beach Channel Dr	24,244	23,649	25,801	28,992	24,352	23,541	24,287	22,818	23,370	23,380	21,005	21,973
Central Ave	14,222	14,671	15,570	13,655	13,854	13,516	13,583	13,700	14,002	13,912	14,775	13,409
Grand Central Pky *	184,697	186,392	165,794	162,749	158,608	156,421	162,862	164,499	162,267	158,517	163,782	164,941
Hempstead Ave	43,662	44,027	40,965	46,078	46,615	44,494	41,706	40,666	44,307	42,994	38,886	40,078
Hillside Ave	26,373	26,527	23,123	24,328	24,900	23,561	23,535	22,172	26,165	26,951	27,042	26,166
Jamaica Ave	30,727	31,620	29,614	29,003	29,074	28,271	29,150	28,213	29,039	26,185	26,622	29,192
Laurelton Pky	175,403	169,154	168,859	173,654	159,167	162,052	170,241	170,143	164,343	169,411	163,994	166,150
Linden Blvd	28,488	29,644	28,298	25,972	24,767	26,349	27,630	25,733	28,395	26,737	25,204	26,933
Long Island Exp *	183,862	184,824	191,900	201,395	230,404	238,952	227,840	230,478	228,231	231,438	235,978	220,988
Merrick Blvd	21,006	19,535	19,033	18,659	19,508	18,566	20,322	19,434	22,763	20,860	20,877	21,907
Northern Blvd	44,802	41,874	41,360	39,025	39,483	38,624	39,138	39,933	43,395	41,328	41,956	40,690
Rockaway Blvd	73,932	73,344	73,767	77,759	75,460	75,108	74,064	74,717	76,023	77,868	73,993	75,001
Seagirt Blvd	21,044	19,851	22,557	22,442	19,907	20,268	21,298	20,833	21,266	22,016	20,719	22,775
Sunrise Hwy	68,127	71,008	66,819	68,898	64,994	66,394	67,712	64,624	60,597	66,837	65,976	67,725
Union Tpke	25,016	22,969	21,089	19,600	20,412	19,484	20,300	19,695	20,057	21,570	21,830	21,732
Totals	965,605	959,089	934,549	952,209	951,505	955,601	963,668	957,658	964,220	970,004	962,639	959,660

* Includes service roads.

Queens – Nassau Screenline

Historical Comparisons
Average Daily Traffic Volumes
Total of Both Directions



2015 Screenline Volumes

Queens - Nassau

	<i>Beach Channel Drive</i>		<i>Central Ave</i>		<i>Grand Central Parkway</i>				<i>Hempstead Ave</i>		<i>Hillside Ave</i>	
	* S/B	N/B	* W/B	E/B	* W/B	Main Rdwy	* W/B	E/B	* W/B	E/B	* W/B	E/B
Mid-1am	196	95	102	34	803	968	17	14	314	351	84	108
1-2am	126	65	52	17	358	472	8	10	177	199	39	61
2-3am	71	58	34	18	250	293	4	5	117	135	26	37
3-4am	62	75	28	21	342	223	4	5	117	107	35	27
4-5am	81	137	45	36	888	407	5	14	235	164	62	47
5-6am	188	332	113	72	4,221	1,204	23	48	539	366	221	119
6-7am	473	645	293	194	5,373	3,545	94	132	1,214	654	898	277
7-8am	701	802	521	266	4,600	5,590	168	405	1,324	1,173	1,072	662
8-9am	619	728	547	276	3,894	5,674	161	762	1,020	1,328	797	940
9-10am	541	595	495	309	4,259	5,061	191	563	938	1,083	586	736
10-11am	465	562	389	263	3,991	4,073	240	331	978	974	566	596
11-Noon	492	544	383	243	3,801	3,854	290	331	934	991	607	648
Noon-1	549	598	430	272	3,635	3,695	337	331	940	1,109	627	682
1-2pm	582	603	446	277	3,658	4,012	307	338	997	1,141	677	717
2-3pm	612	695	526	306	4,029	5,251	339	350	976	1,246	711	818
3-4pm	619	750	546	334	4,703	4,739	423	571	973	1,298	759	1,028
4-5pm	658	701	618	343	4,870	3,882	501	722	1,044	1,341	838	1,207
5-6pm	715	669	644	317	4,927	3,866	559	715	1,171	1,366	1,066	1,219
6-7pm	680	611	617	261	4,804	4,557	376	474	1,130	1,407	958	1,034
7-8pm	639	485	552	247	4,305	4,661	278	190	1,022	1,277	775	785
8-9pm	592	428	466	195	2,918	3,220	205	124	954	1,064	599	594
9-10pm	521	352	367	154	2,676	2,504	147	77	845	871	450	397
10-11pm	450	277	339	108	2,371	2,472	81	56	672	729	317	286
11-Mid	305	229	209	84	1,699	1,950	36	31	505	568	192	179
24 hr Total	10,937	11,036	8,762	4,647	77,375	76,173	4,794	6,599	19,136	20,942	12,962	13,204
6-10am	2,334	2,770	1,856	1,045	18,126	19,870	614	1,862	4,496	4,238	3,353	2,615
10am-1pm	1,506	1,704	1,202	778	11,427	11,622	867	993	2,852	3,074	1,800	1,926
1-3pm	1,194	1,298	972	583	7,687	9,263	646	688	1,973	2,387	1,388	1,535
3-7pm	2,672	2,731	2,425	1,255	19,304	17,044	1,859	2,482	4,318	5,412	3,621	4,488
6am-7pm	7,706	8,503	6,455	3,661	56,544	57,799	3,986	6,025	13,639	15,111	10,162	10,564

* To Queens

2015 Screenline Volumes Queens - Nassau (cont'd)

	Jamaica Ave		Laurelton Parkway		Linden Blvd		Main Rdwy		Service Rdwy		Merrick Blvd	
	* W/B	E/B	* W/B	E/B	* W/B	E/B	* W/B	E/B	* W/B	E/B	* W/B	E/B
Mid-1am	131	124	907	1,895	228	227	1,474	1,955	9	12	105	146
1-2am	70	70	496	1,037	120	129	939	1,333	7	6	60	94
2-3am	55	56	403	667	79	74	953	1,044	3	4	47	59
3-4am	41	37	604	525	87	64	1,212	1,060	2	5	39	39
4-5am	110	83	1,526	767	112	129	2,239	1,558	6	11	66	48
5-6am	341	206	4,835	1,701	289	257	5,890	2,946	39	30	218	97
6-7am	788	470	5,469	4,061	669	483	6,345	4,884	746	124	784	203
7-8am	884	781	4,072	4,917	801	745	5,431	5,788	702	244	779	442
8-9am	780	1,100	3,819	4,803	715	876	5,314	5,882	198	436	623	614
9-10am	842	946	4,059	4,336	569	714	5,899	5,483	160	345	527	579
10-11am	822	803	3,747	3,626	585	637	5,770	5,220	246	352	540	558
11-Noon	731	793	3,656	3,724	582	676	5,649	5,144	201	335	578	545
Noon-1	787	803	3,651	4,061	627	718	5,705	5,198	138	285	588	618
1-2pm	823	818	3,722	4,592	650	771	5,925	5,172	141	213	610	616
2-3pm	810	914	3,909	5,326	653	898	6,132	5,372	155	290	612	723
3-4pm	880	1,028	4,143	5,416	685	942	6,159	5,278	191	723	677	769
4-5pm	951	1,126	4,316	5,547	733	925	6,447	4,918	363	1,131	684	845
5-6pm	984	1,090	4,573	5,680	784	901	5,964	4,796	768	1,076	778	918
6-7pm	961	965	4,059	5,879	792	941	5,628	5,216	787	721	718	888
7-8pm	884	747	3,850	5,574	766	842	5,479	5,302	377	201	631	720
8-9pm	814	550	3,370	4,646	719	721	5,138	4,584	133	99	447	542
9-10pm	596	409	3,223	4,023	618	612	4,453	4,022	64	66	364	398
10-11pm	419	323	2,745	3,549	470	575	3,360	3,495	36	53	265	328
11-Mid	255	191	1,866	2,778	368	375	2,780	2,770	22	27	173	205
24 hr Total	14,759	14,433	77,020	89,130	12,701	14,232	110,285	98,420	5,494	6,789	10,913	10,994
6-10am	3,294	3,297	17,419	18,117	2,754	2,818	22,989	22,037	1,806	1,149	2,713	1,838
10am-1pm	2,340	2,399	11,054	11,411	1,794	2,031	17,124	15,562	585	972	1,706	1,721
1-3pm	1,633	1,732	7,631	9,918	1,303	1,669	12,057	10,544	296	503	1,222	1,339
3-7pm	3,776	4,209	17,091	22,522	2,994	3,709	24,198	20,208	2,109	3,651	2,857	3,420
6am-7pm	11,043	11,637	53,195	61,968	8,845	10,227	76,368	68,351	4,796	6,275	8,498	8,318

* To Queens

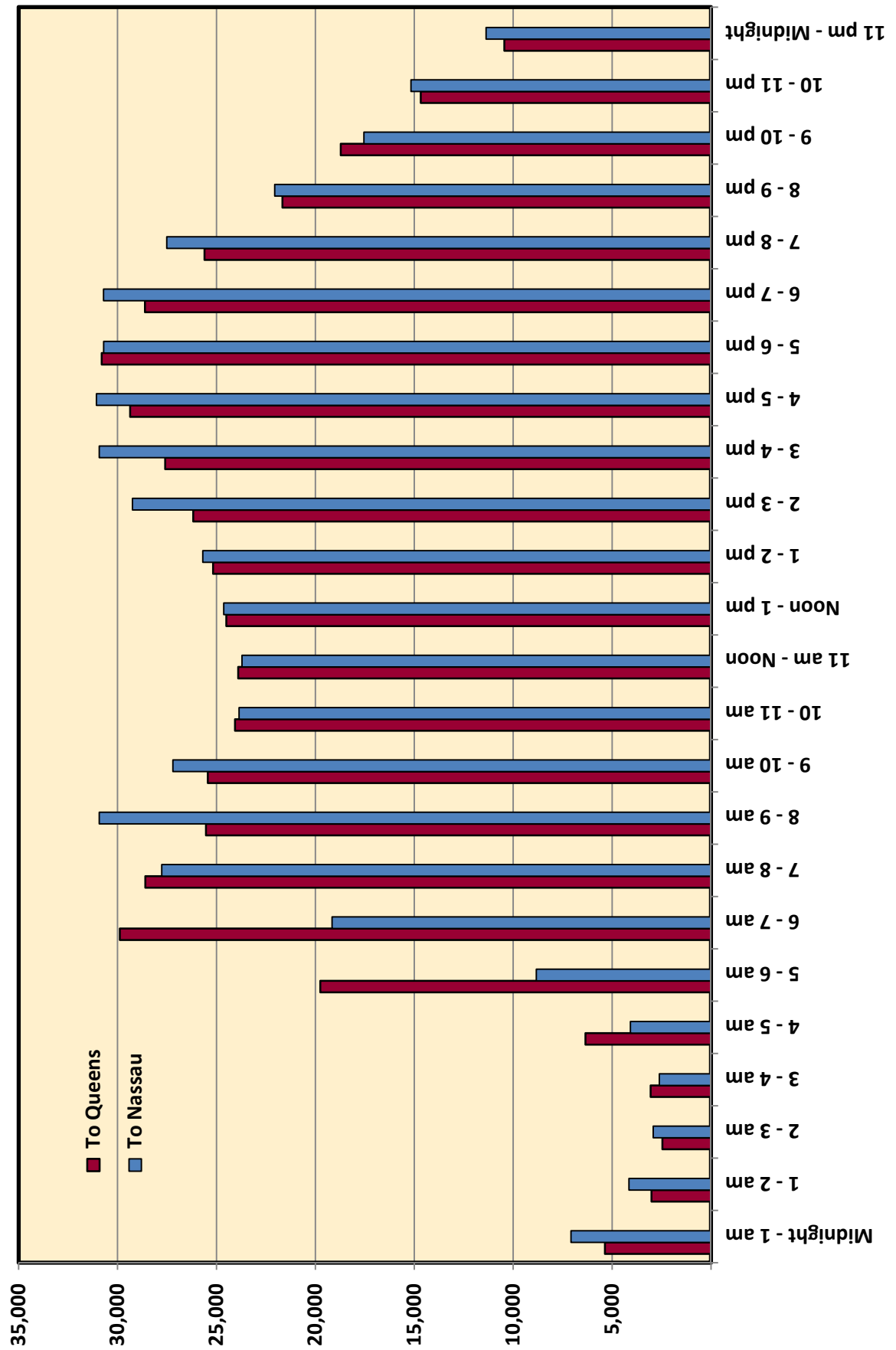
2015 Screenline Volumes Queens - Nassau (cont'd)

	Northern Blvd		Rockaway Blvd		Seagirt Blvd		Sunrise Hwy		Union Tpke		Totals	
	* W/B	E/B	* N/B	S/B	* W/B	E/B	* W/B	E/B	* W/B	E/B	To Queens	To Nassau
Mid-1am	104	103	330	594	140	69	342	321	76	61	5,362	7,077
1-2am	45	55	228	349	80	40	164	185	39	30	3,008	4,152
2-3am	34	39	173	245	45	38	134	132	31	19	2,459	2,923
3-4am	28	27	220	226	30	42	170	120	29	11	3,050	2,614
4-5am	67	44	479	317	44	82	358	204	28	27	6,351	4,075
5-6am	326	152	1,225	588	149	216	1,042	415	93	82	19,752	8,831
6-7am	1,239	473	2,452	1,453	616	469	1,956	863	475	228	29,884	19,158
7-8am	1,501	1,160	2,664	2,077	1,121	721	1,692	1,500	566	494	28,599	27,767
8-9am	1,339	1,515	2,588	2,268	884	763	1,720	2,086	514	878	25,532	30,929
9-10am	1,271	1,412	2,285	1,978	706	572	1,612	1,837	497	653	25,437	27,202
10-11am	1,146	1,088	2,002	1,866	472	475	1,545	1,918	557	516	24,061	23,858
11-Noon	1,168	1,030	2,027	1,863	455	473	1,709	1,973	639	540	23,902	23,707
Noon-1	1,251	1,106	2,086	2,012	517	494	1,826	2,016	806	634	24,500	24,632
1-2pm	1,251	1,107	2,137	2,077	544	556	1,891	2,045	811	637	25,172	25,692
2-3pm	1,213	1,194	2,190	2,211	672	777	1,886	2,217	751	660	26,176	29,248
3-4pm	1,306	1,354	2,253	2,284	671	1,040	1,856	2,650	747	722	27,591	30,926
4-5pm	1,463	1,474	2,277	2,337	743	982	1,897	2,718	964	870	29,367	31,069
5-6pm	1,520	1,523	2,301	2,269	809	851	2,028	2,643	1,213	805	30,804	30,704
6-7pm	1,492	1,452	1,917	2,288	801	699	1,939	2,602	957	716	28,616	30,711
7-8pm	1,161	1,164	1,678	2,155	684	507	1,811	2,157	711	499	25,603	27,513
8-9pm	938	787	1,471	2,028	606	351	1,752	1,746	541	376	21,663	22,055
9-10pm	716	545	1,146	1,522	469	252	1,678	1,127	385	216	18,718	17,547
10-11pm	452	389	926	1,287	398	216	1,142	867	228	158	14,671	15,168
11-Mid	232	234	713	939	259	175	683	550	154	88	10,451	11,373
24 hr Total	21,263	19,427	37,768	37,233	11,915	10,860	32,833	34,892	11,812	9,920	480,729	478,931
6-10am	5,350	4,560	9,989	7,776	3,327	2,525	6,980	6,286	2,052	2,253	109,452	105,056
10am-1pm	3,565	3,224	6,115	5,741	1,444	1,442	5,080	5,907	2,002	1,690	72,463	72,197
1-3pm	2,464	2,301	4,327	4,288	1,216	1,333	3,777	4,262	1,562	1,297	51,348	54,940
3-7pm	5,781	5,803	8,748	9,178	3,024	3,572	7,720	10,613	3,881	3,113	116,378	123,410
6am-7pm	17,160	15,888	29,179	26,983	9,011	8,872	23,557	27,068	9,497	8,353	349,641	355,603

* To Queens

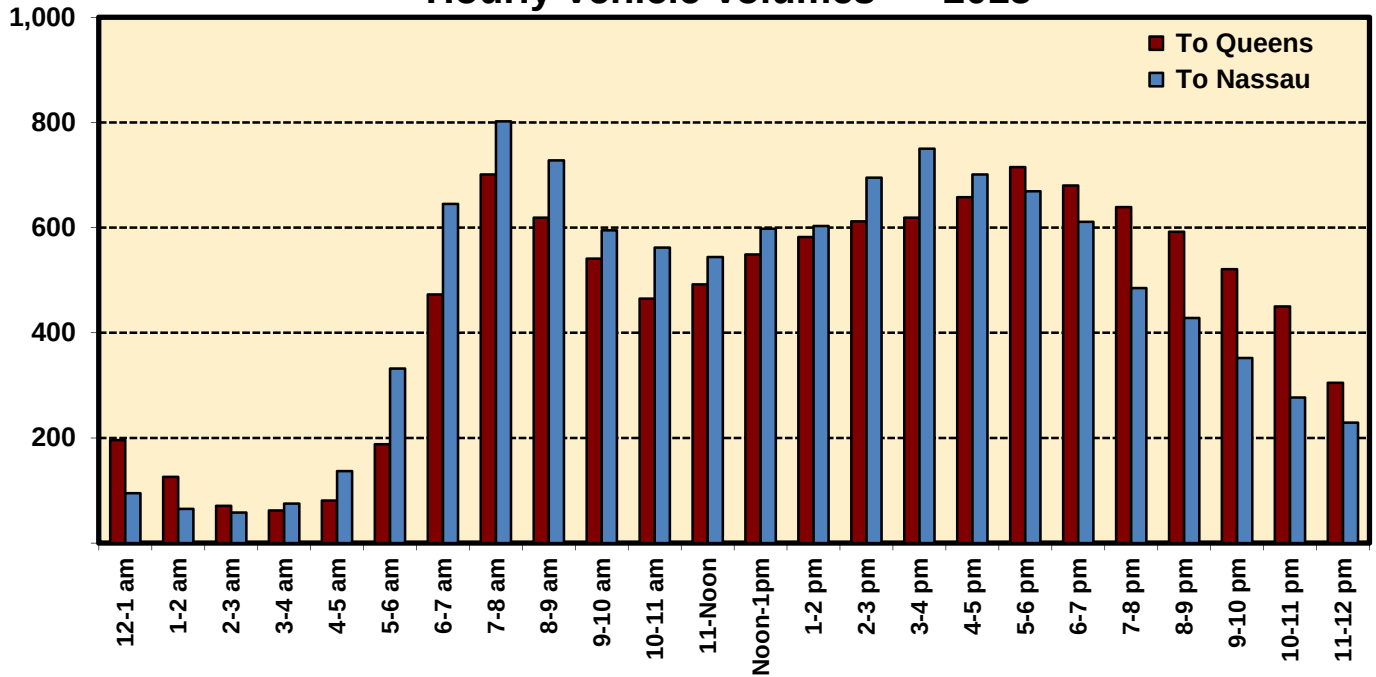
Queens - Nassau Screenline

Total Hourly Vehicle Volumes ~ 2015

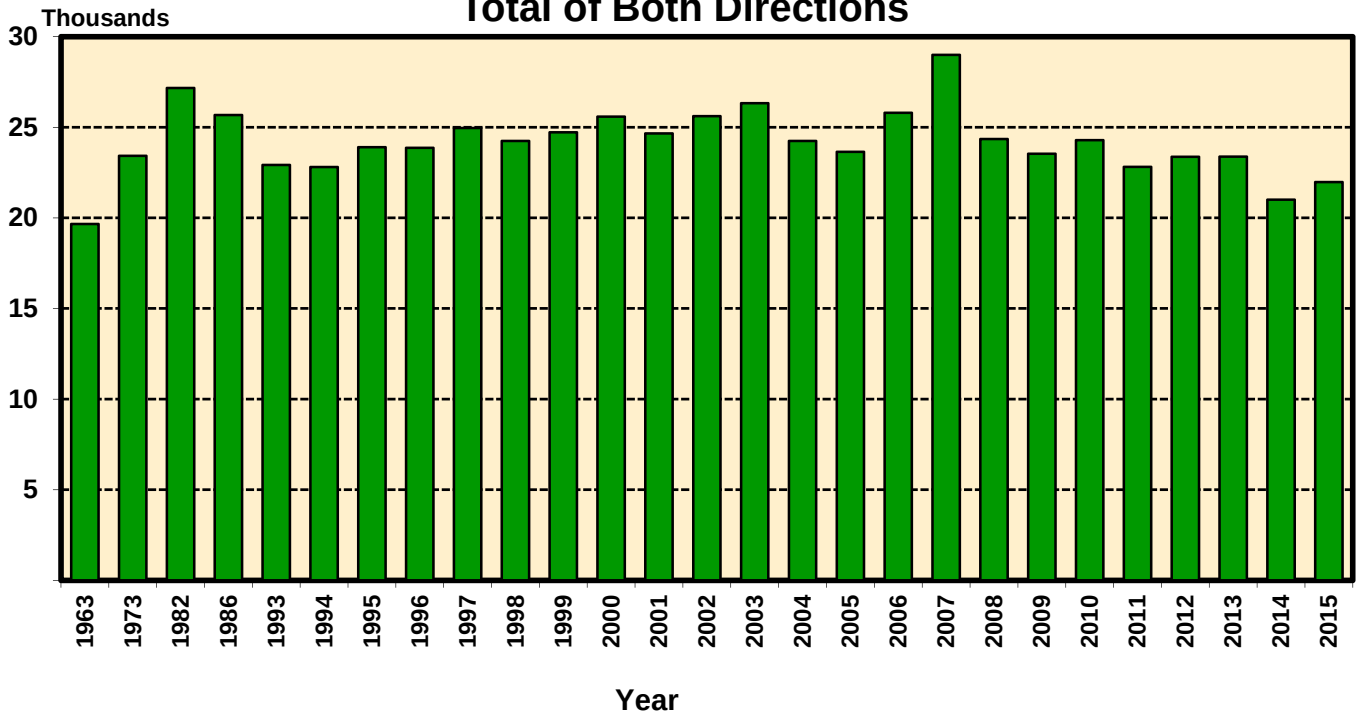


Queens – Nassau Screenline Volumes

Beach Channel Drive Hourly Vehicle Volumes ~ 2015

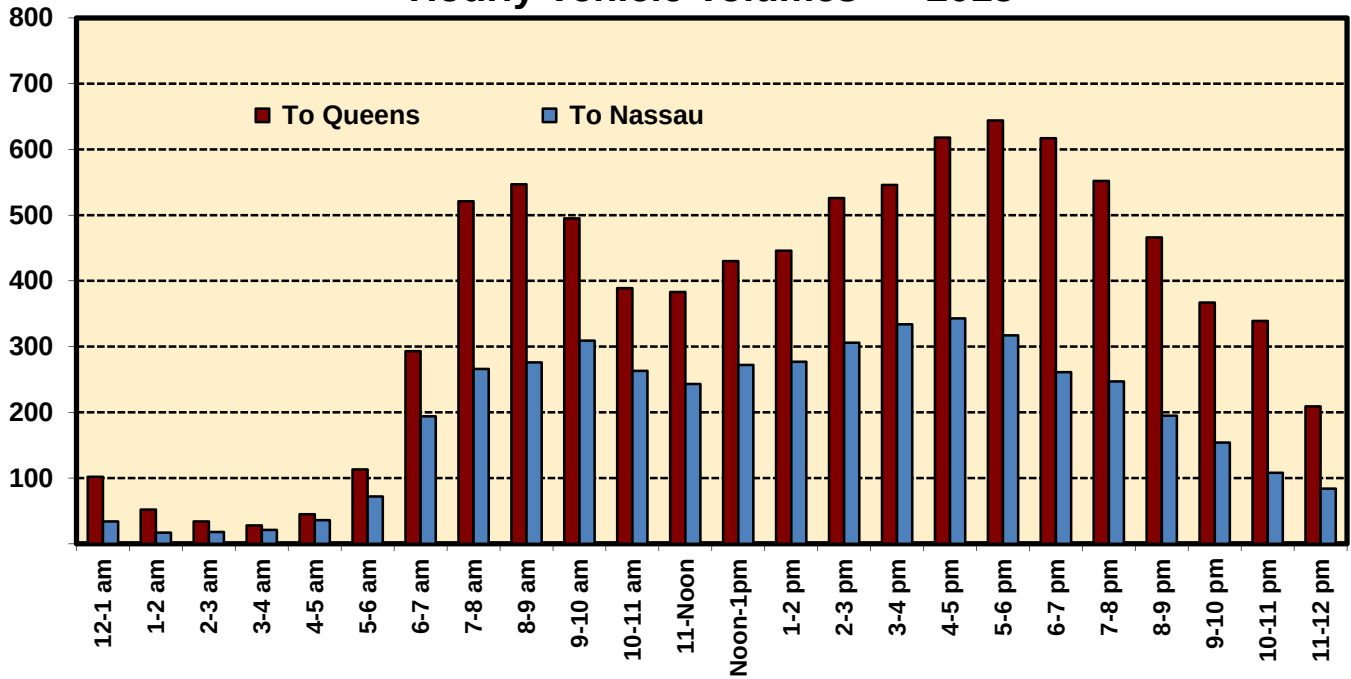


Beach Channel Drive Average Daily Traffic Volumes Total of Both Directions

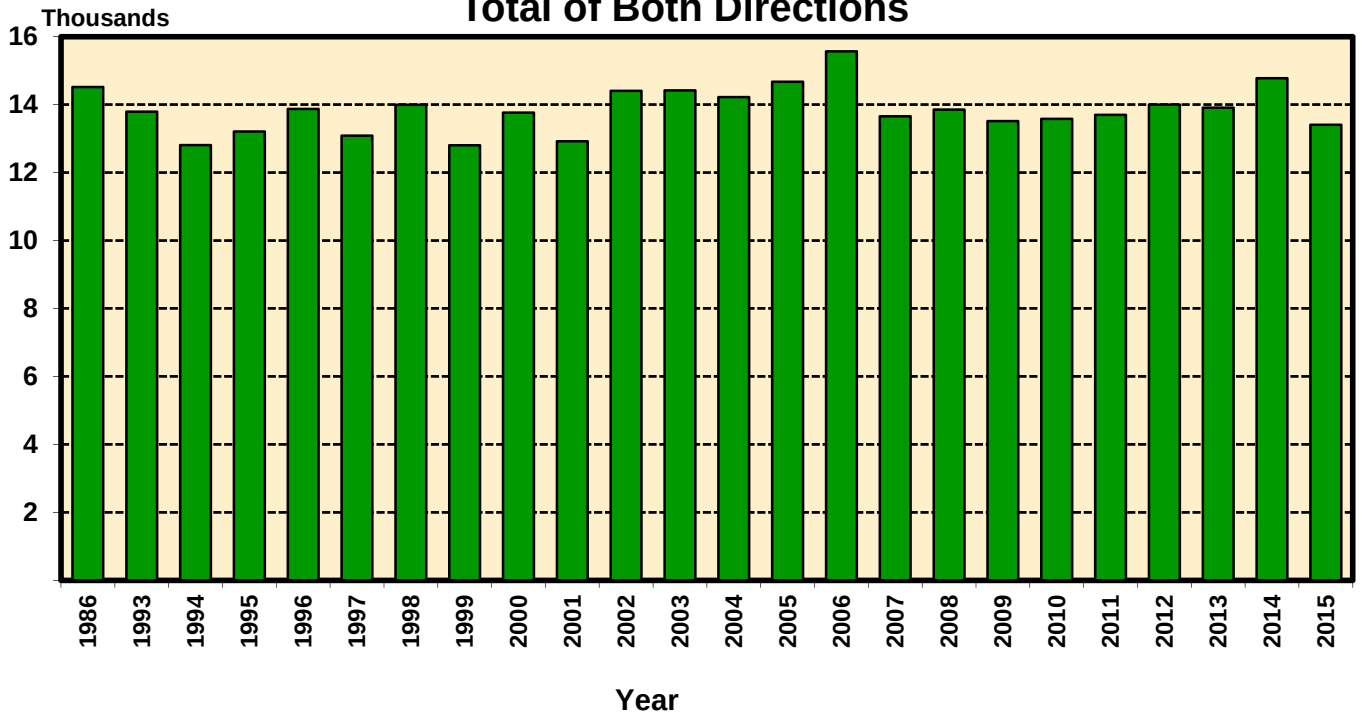


Queens – Nassau Screenline Volumes

Central Avenue Hourly Vehicle Volumes ~ 2015

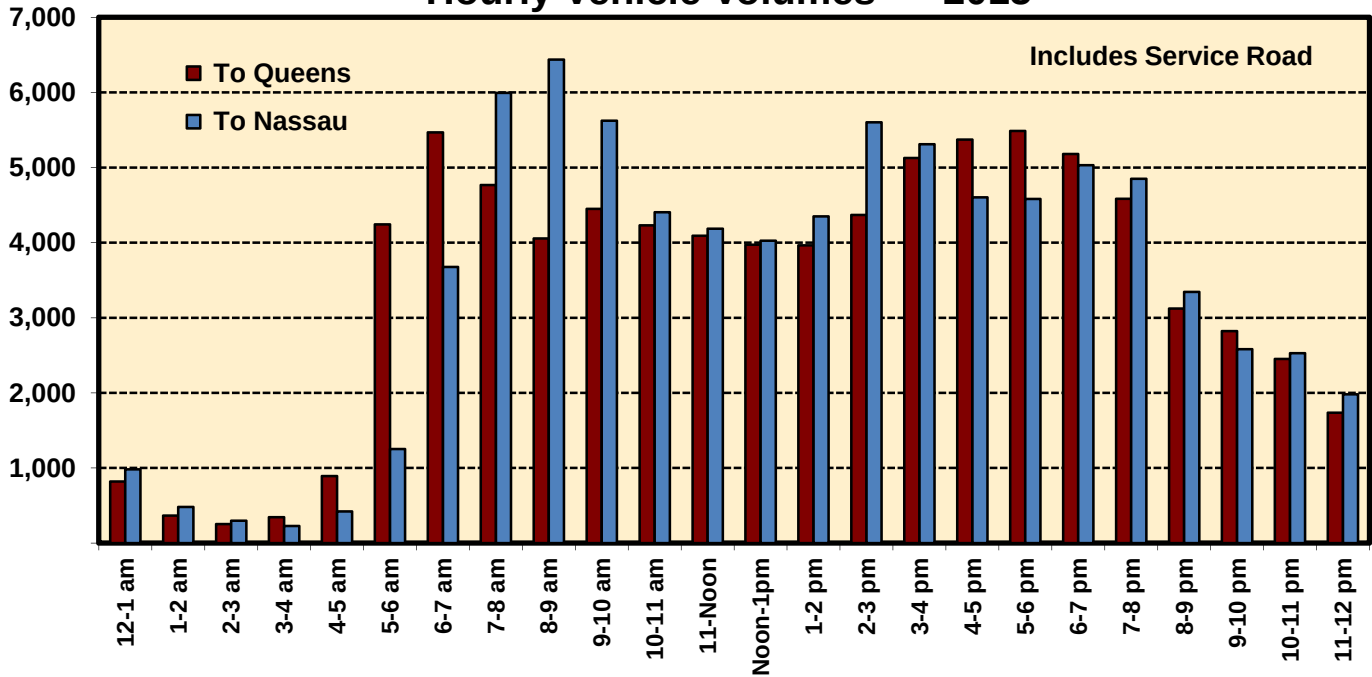


Central Avenue Average Daily Traffic Volumes Total of Both Directions

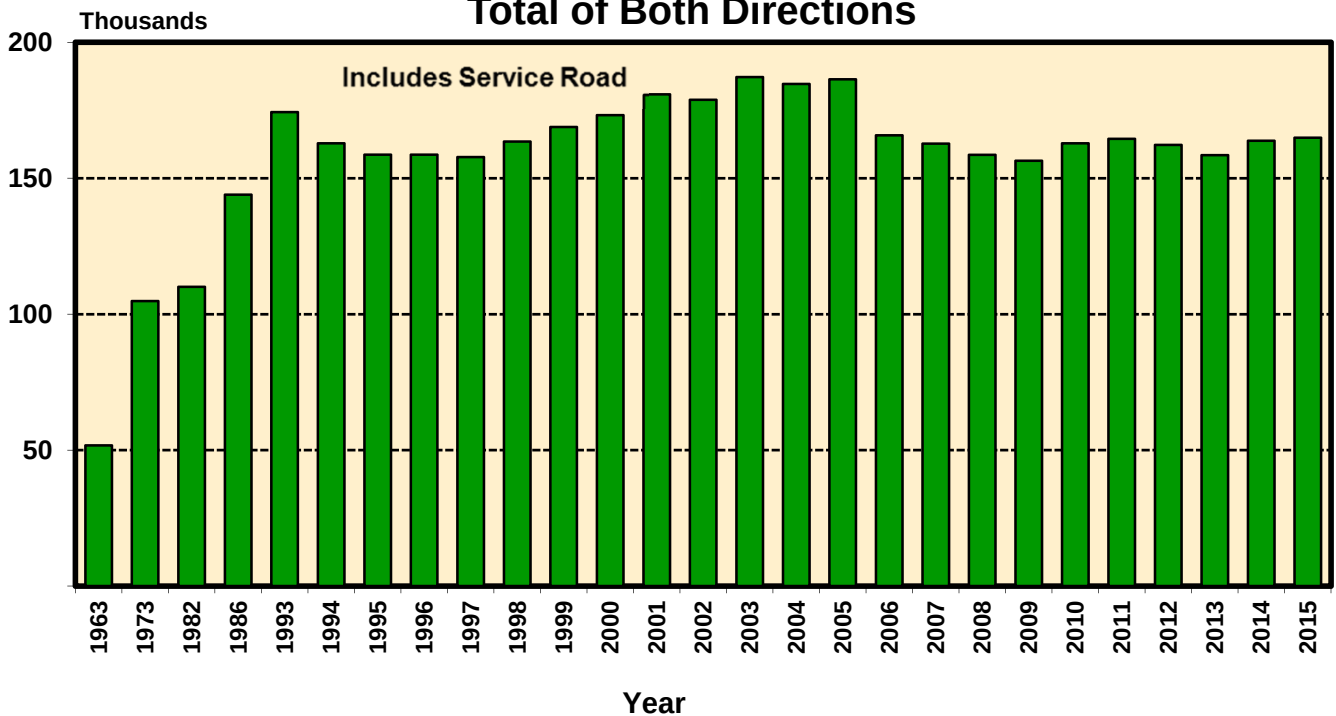


Queens – Nassau Screenline Volumes

Grand Central Parkway Hourly Vehicle Volumes ~ 2015

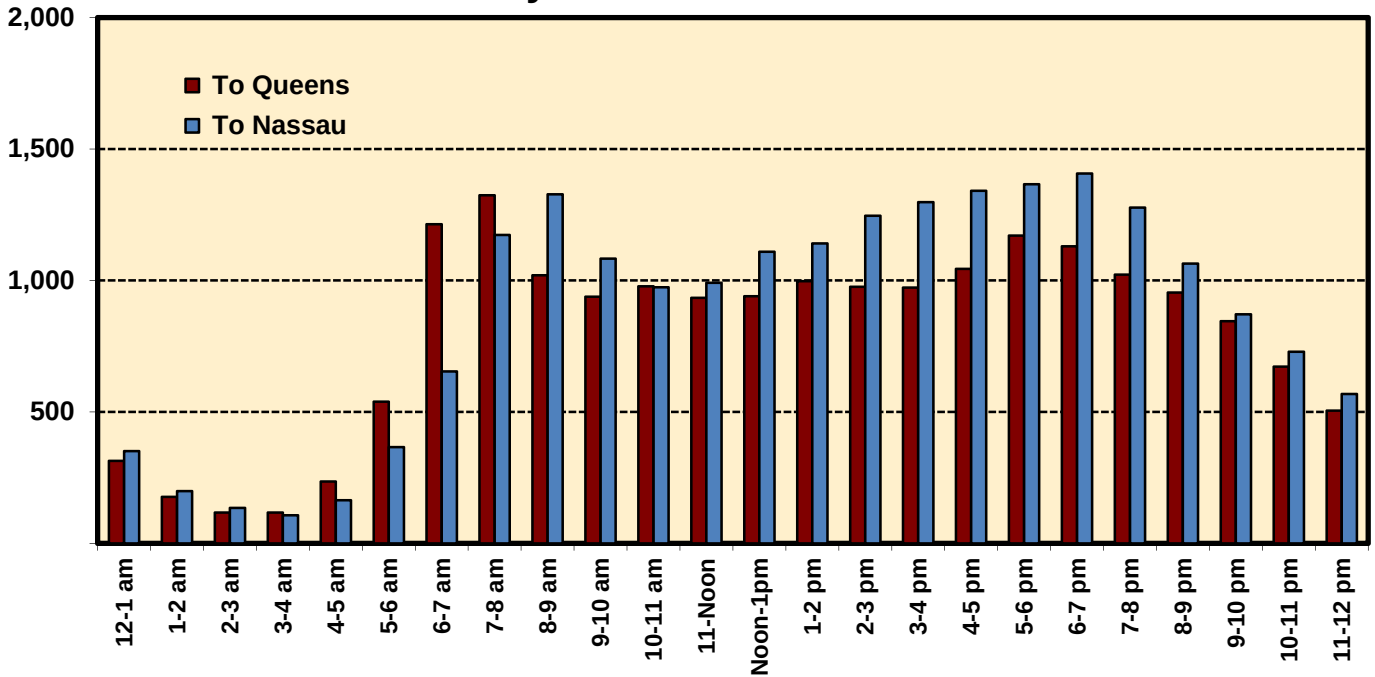


Grand Central Parkway Average Daily Traffic Volumes Total of Both Directions

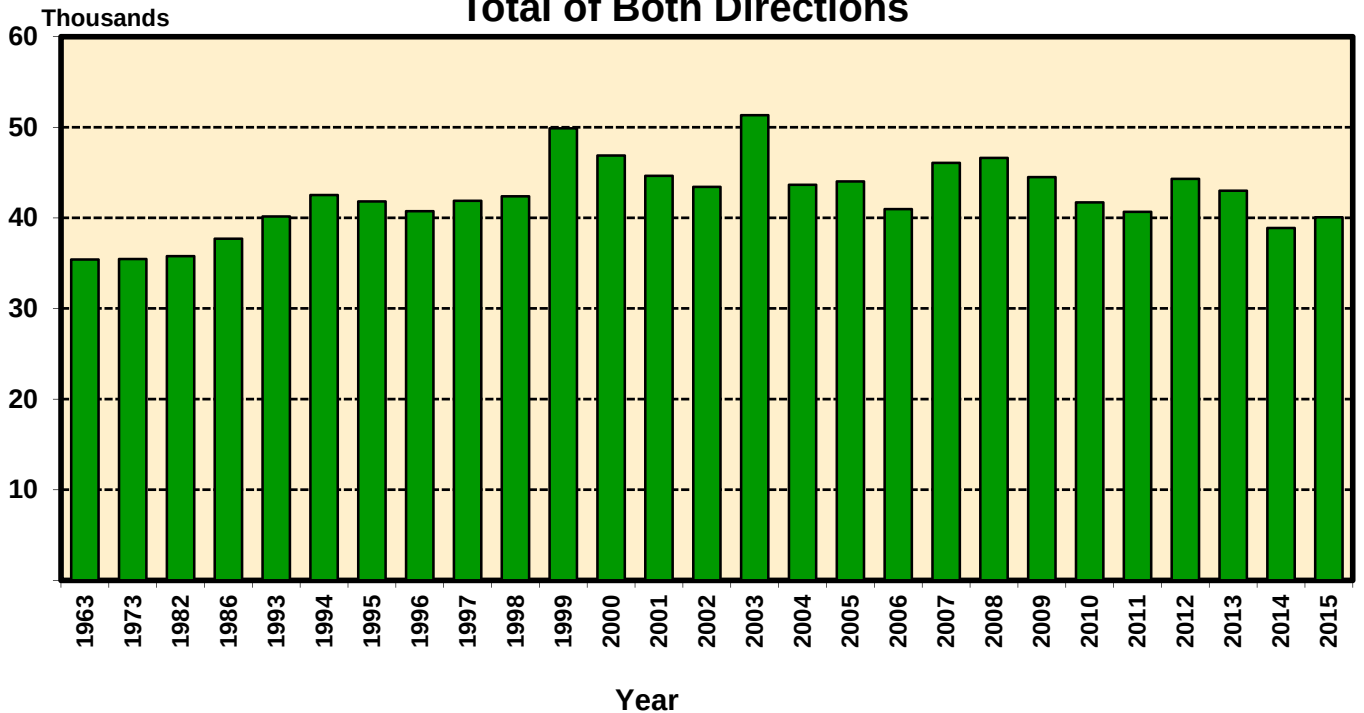


Queens – Nassau Screenline Volumes

Hempstead Avenue Hourly Vehicle Volumes ~ 2015

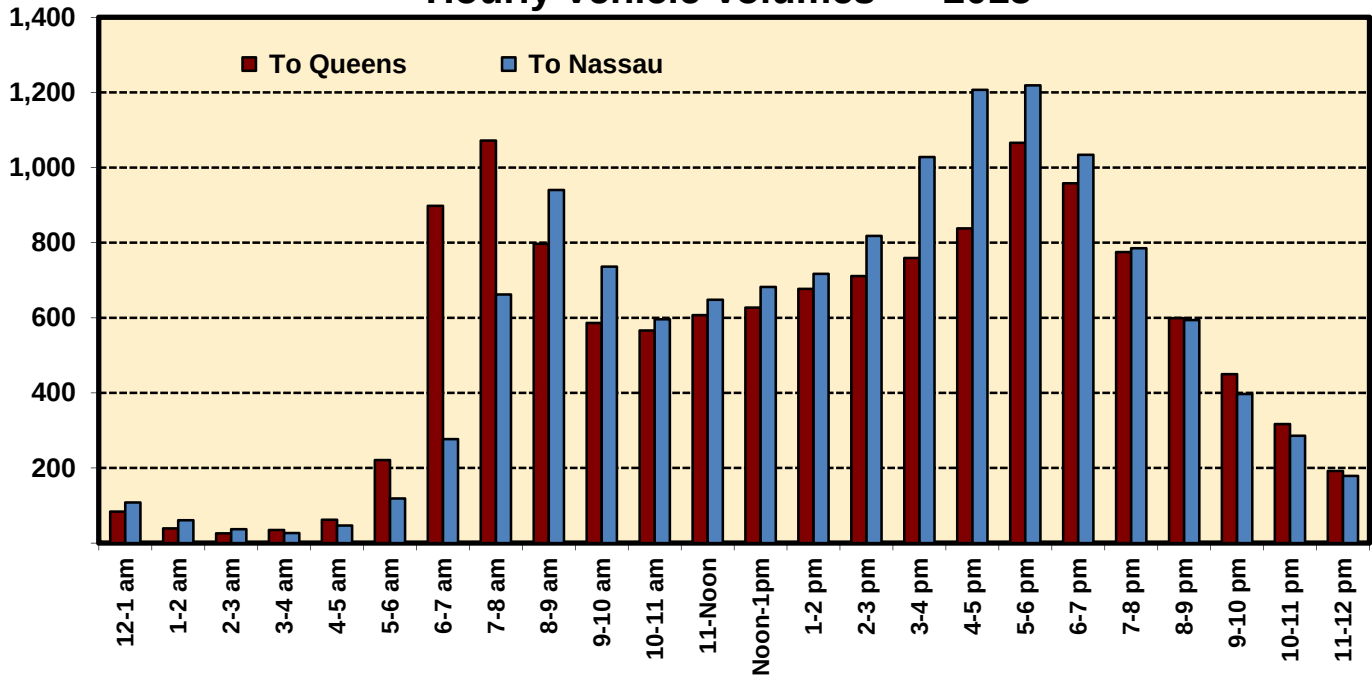


Hempstead Avenue Average Daily Traffic Volumes Total of Both Directions

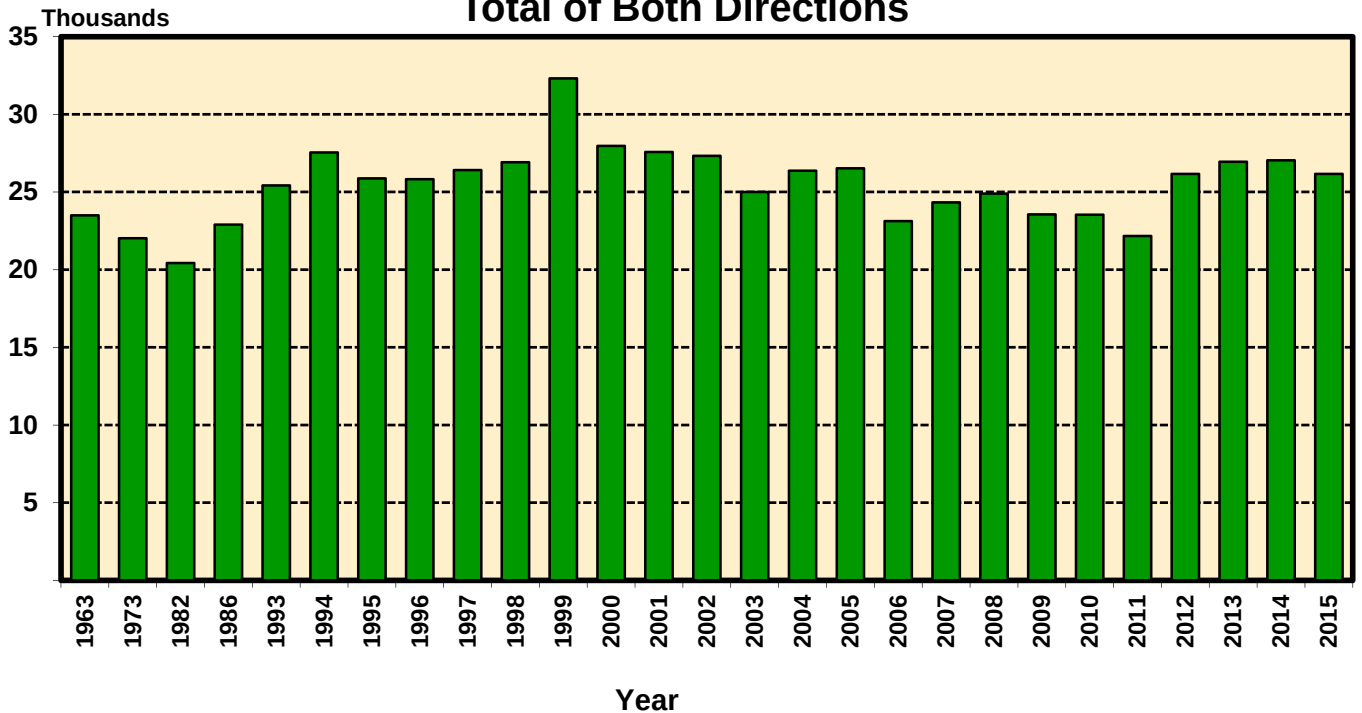


Queens – Nassau Screenline Volumes

Hillside Avenue Hourly Vehicle Volumes ~ 2015

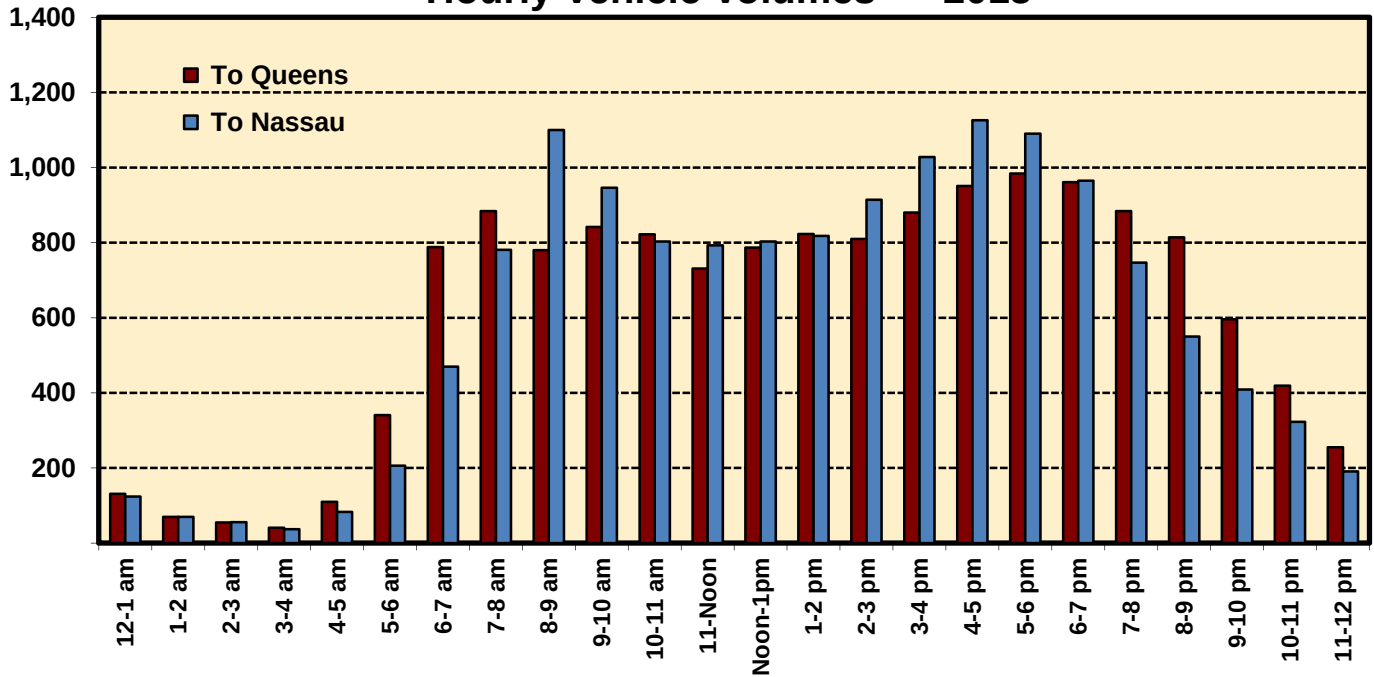


Hillside Avenue Average Daily Traffic Volumes Total of Both Directions

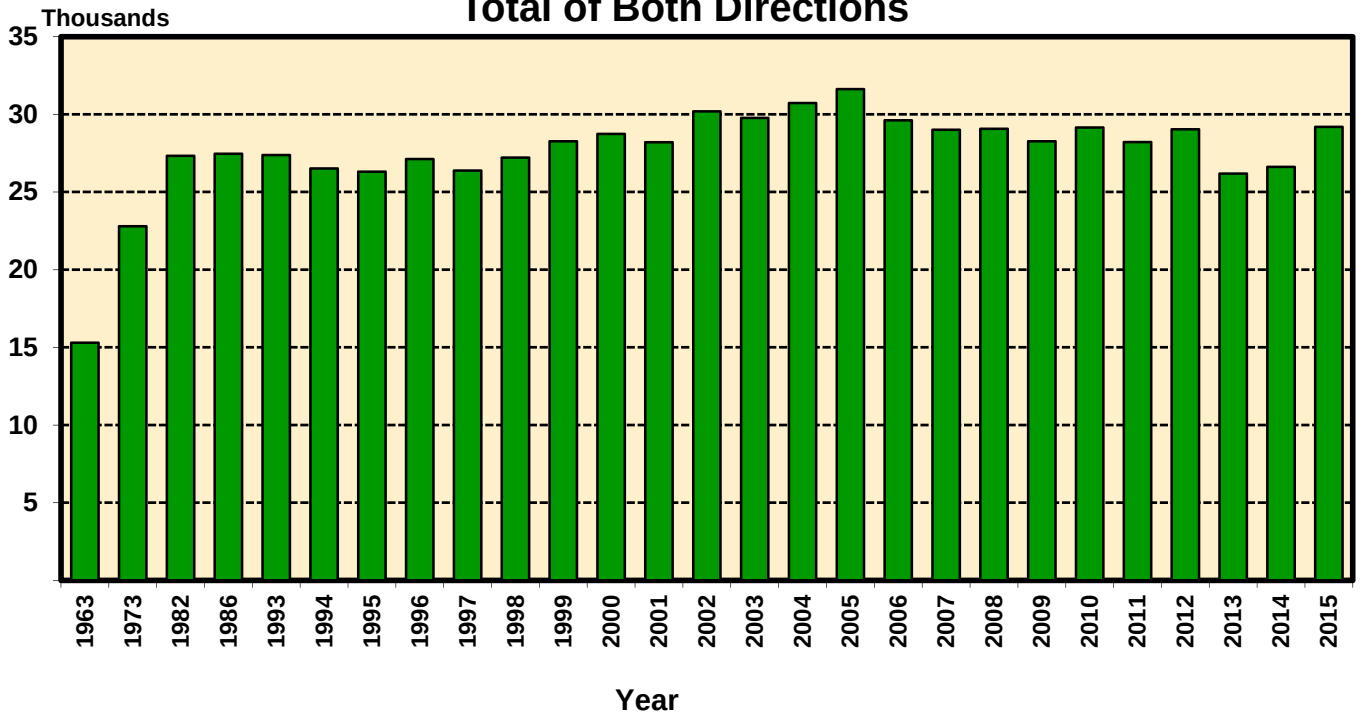


Queens – Nassau Screenline Volumes

**Jamaica Avenue
Hourly Vehicle Volumes ~ 2015**

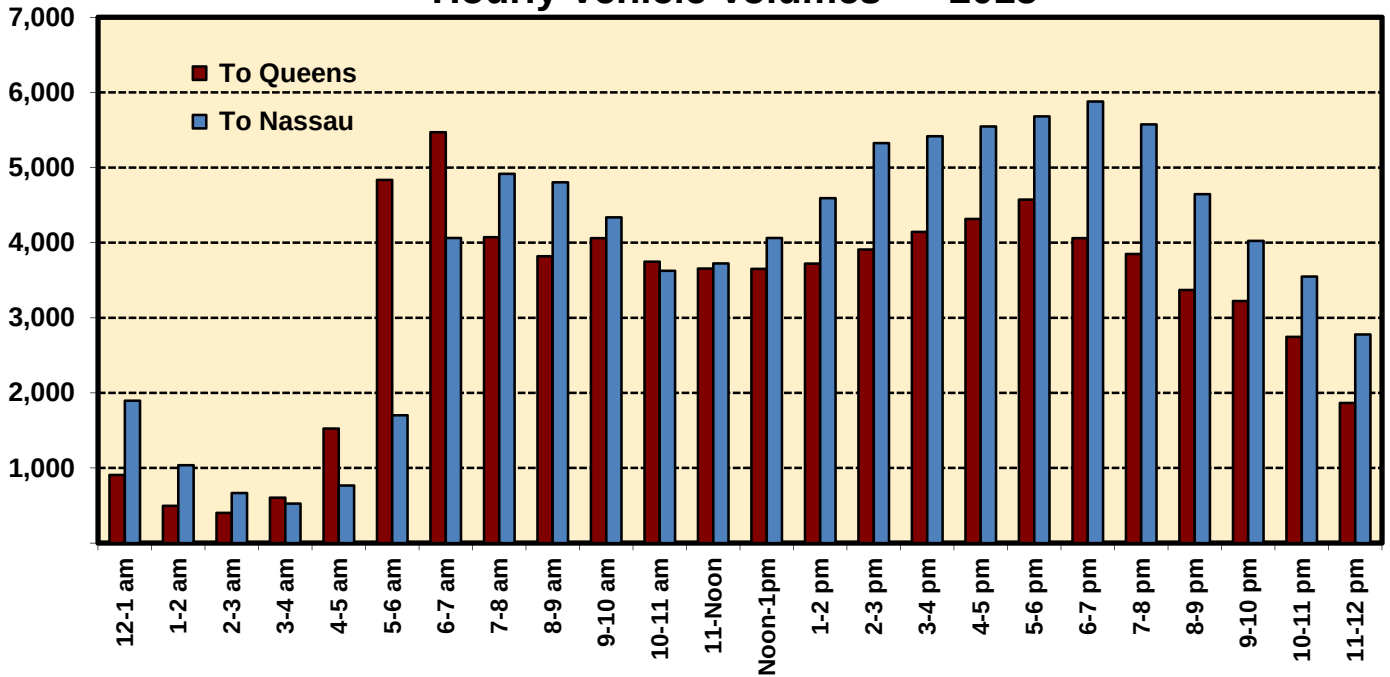


**Jamaica Avenue
Average Daily Traffic Volumes
Total of Both Directions**

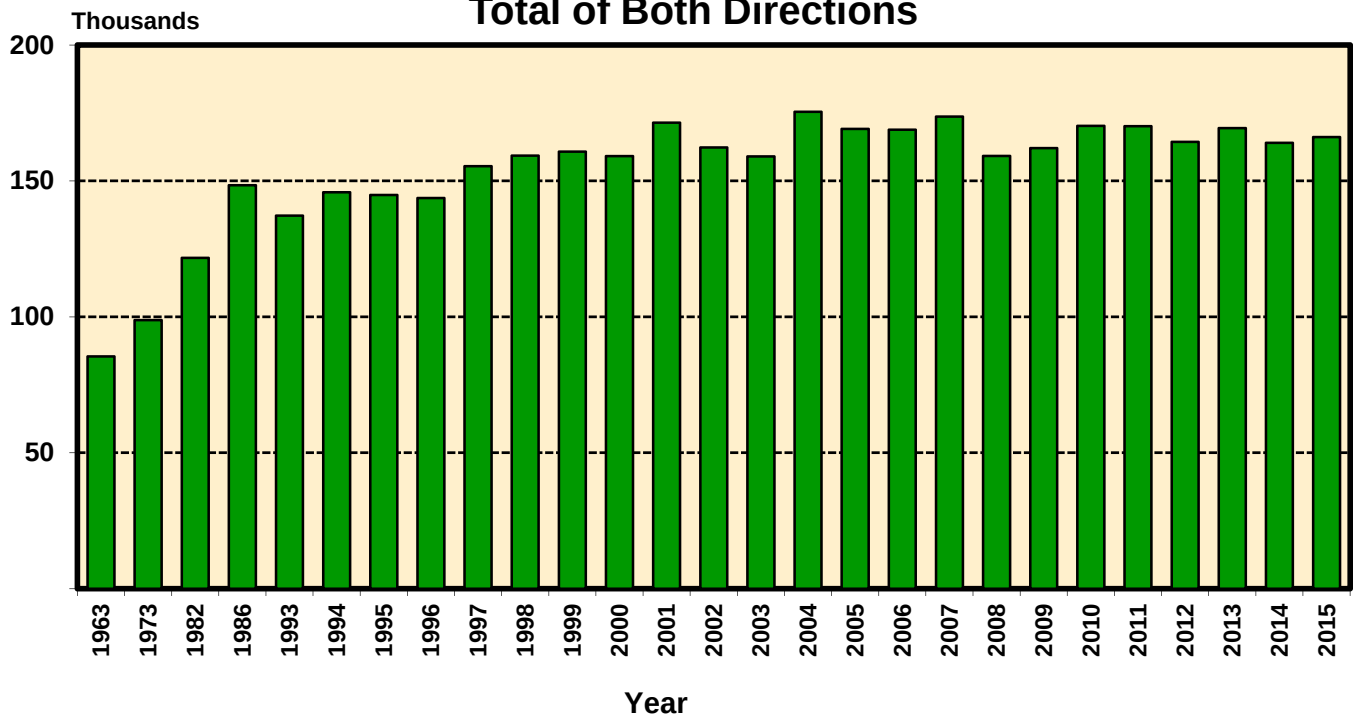


Queens – Nassau Screenline Volumes

**Laurelton Parkway
Hourly Vehicle Volumes ~ 2015**

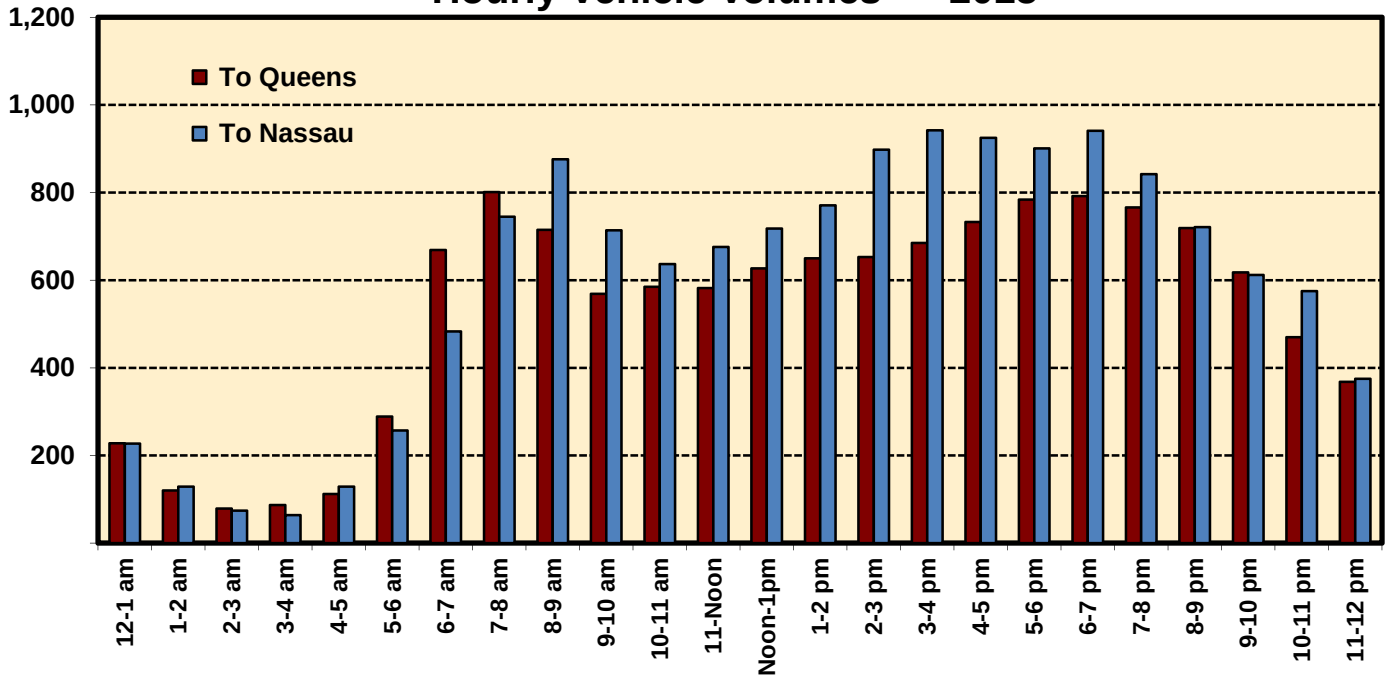


**Laurelton Parkway
Average Daily Traffic Volumes
Total of Both Directions**

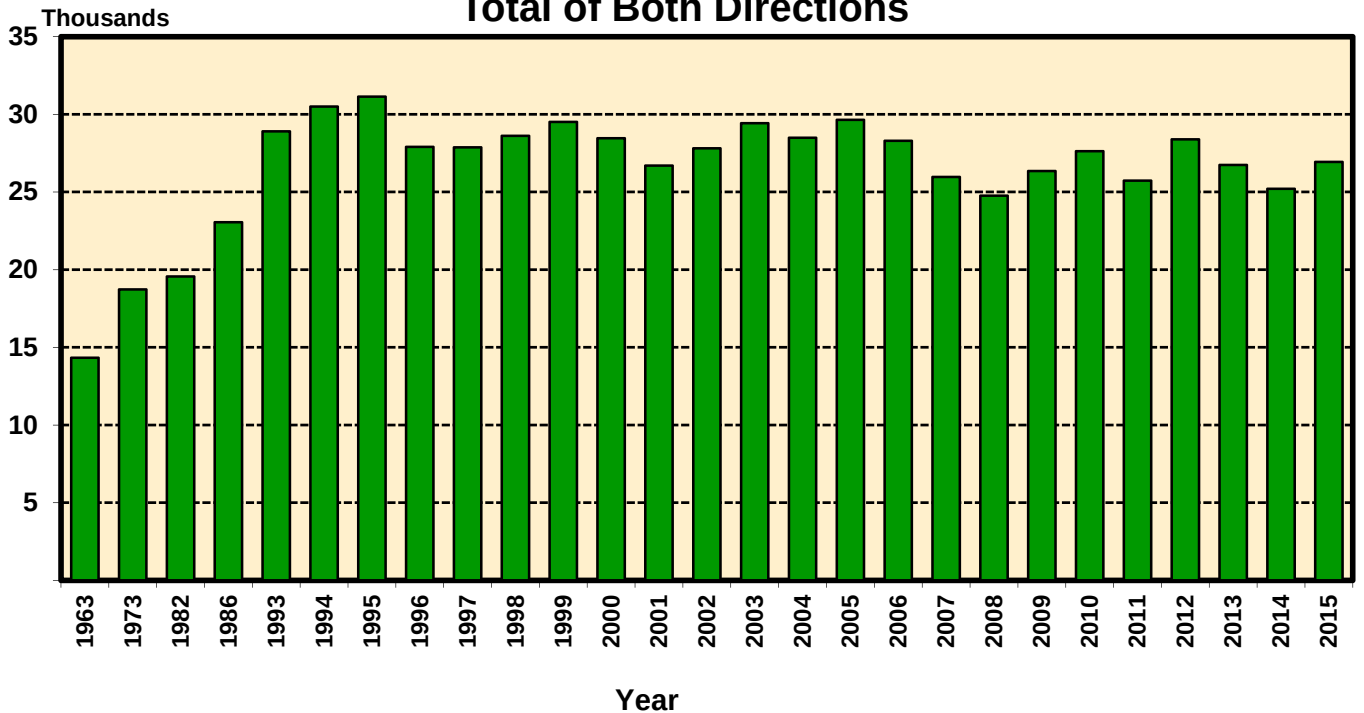


Queens – Nassau Screenline Volumes

Linden Boulevard Hourly Vehicle Volumes ~ 2015

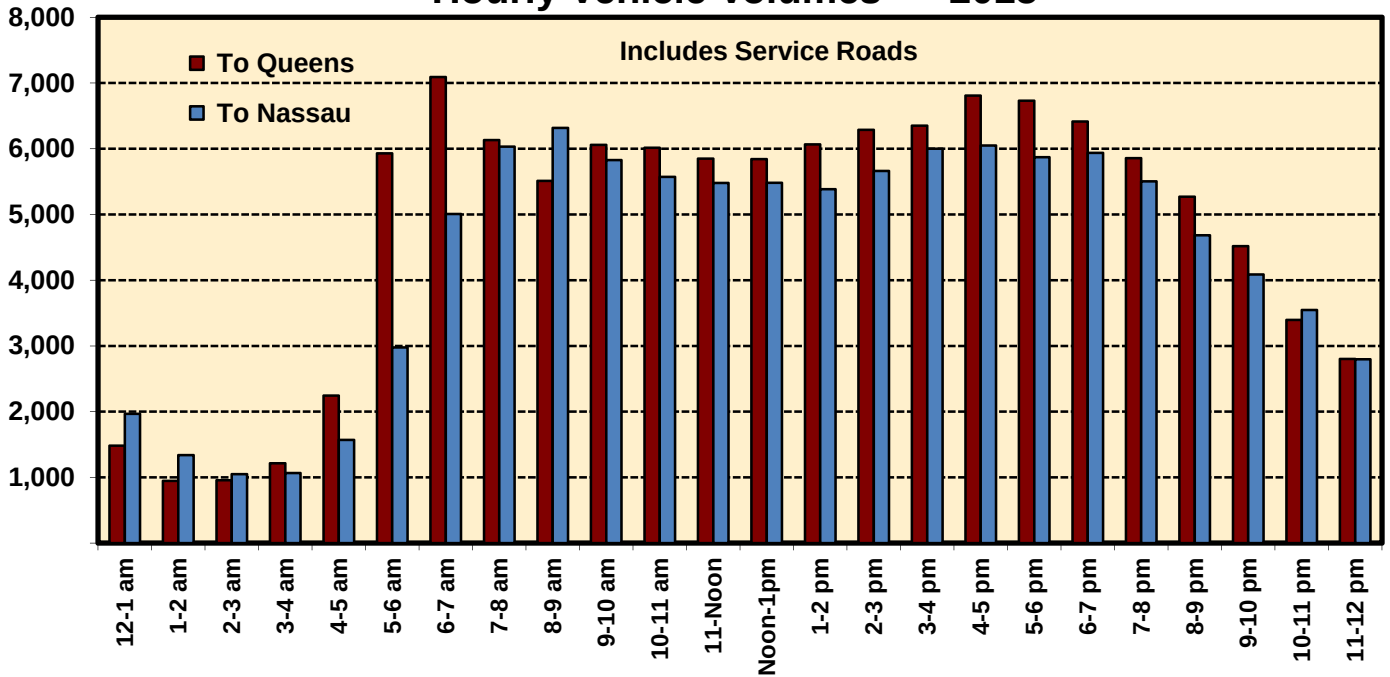


Linden Boulevard Average Daily Traffic Volumes Total of Both Directions

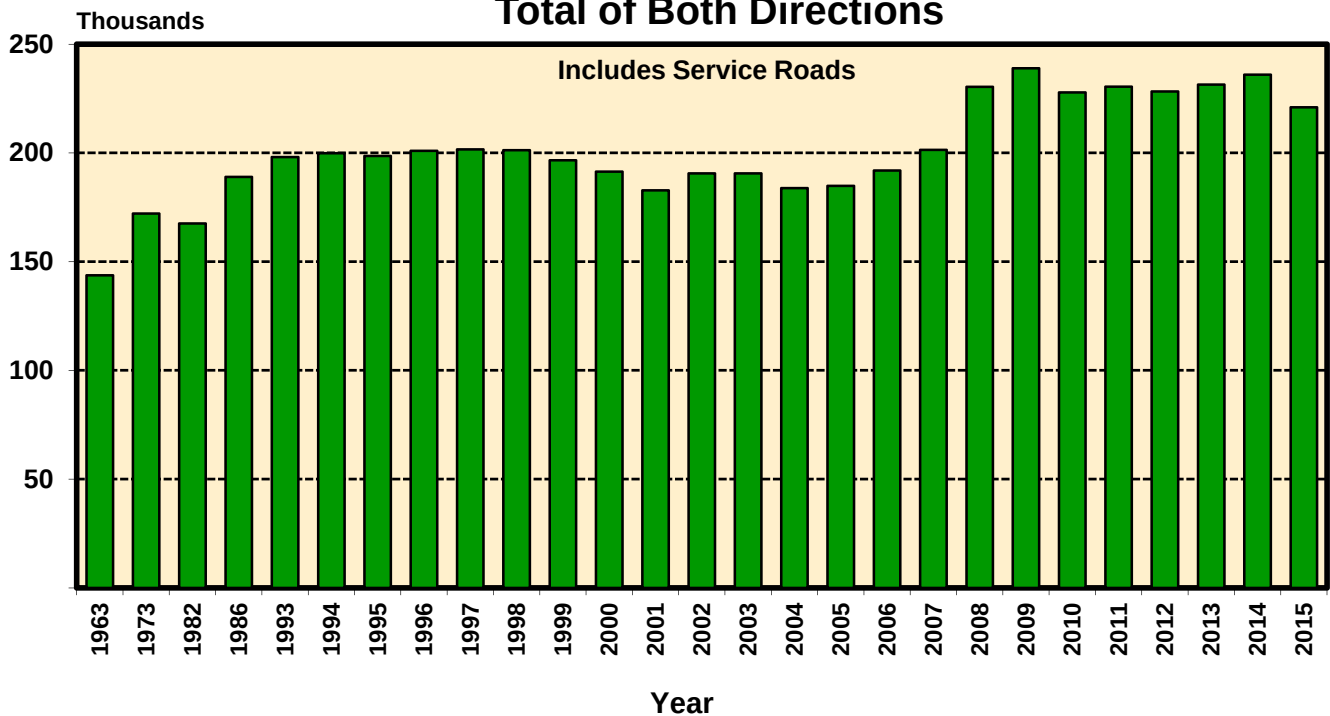


Queens – Nassau Screenline Volumes

Long Island Expressway Hourly Vehicle Volumes ~ 2015

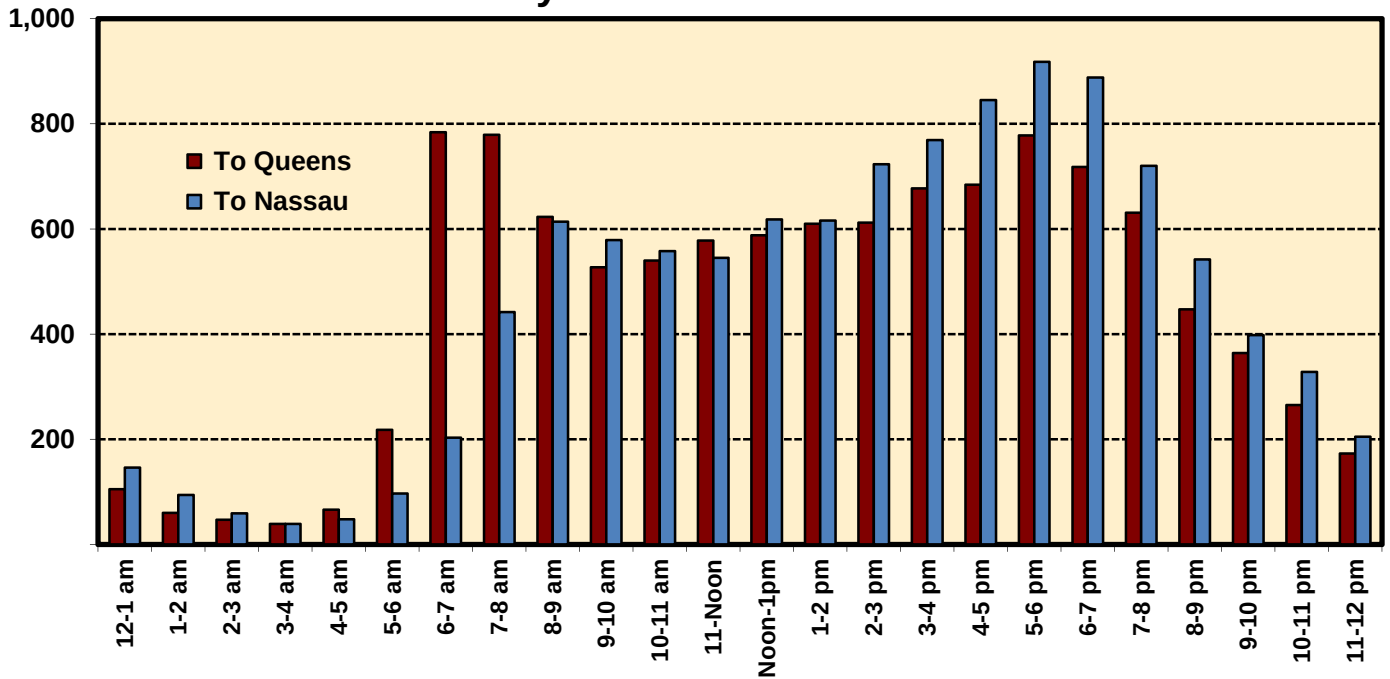


Long Island Expressway Average Daily Traffic Volumes Total of Both Directions

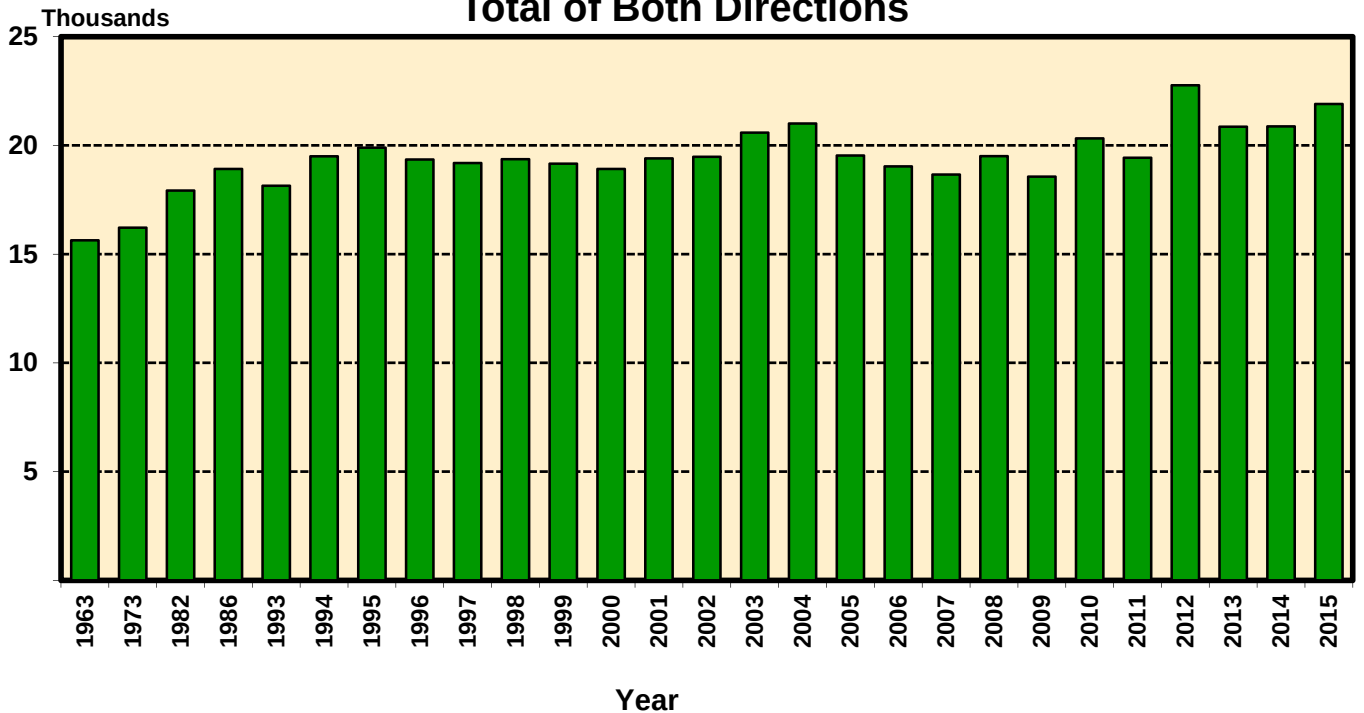


Queens – Nassau Screenline Volumes

**Merrick Boulevard
Hourly Vehicle Volumes ~ 2015**

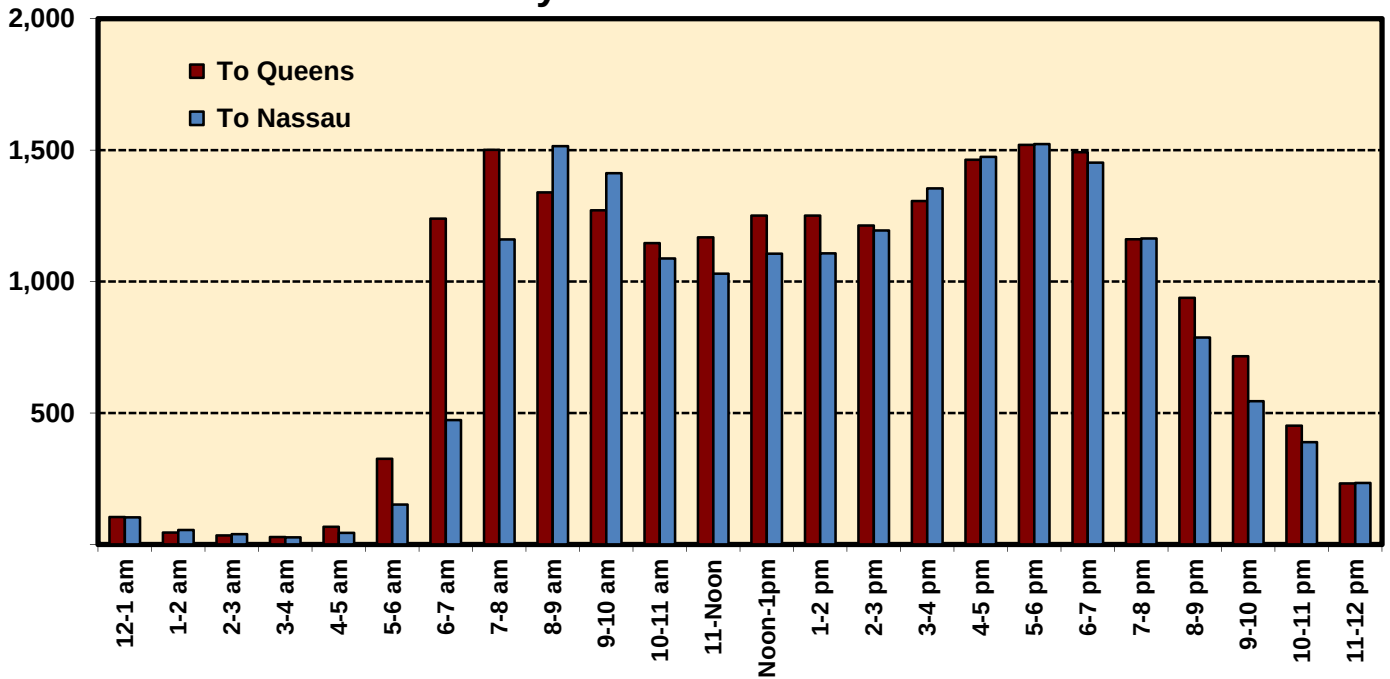


**Merrick Boulevard
Average Daily Traffic Volumes
Total of Both Directions**

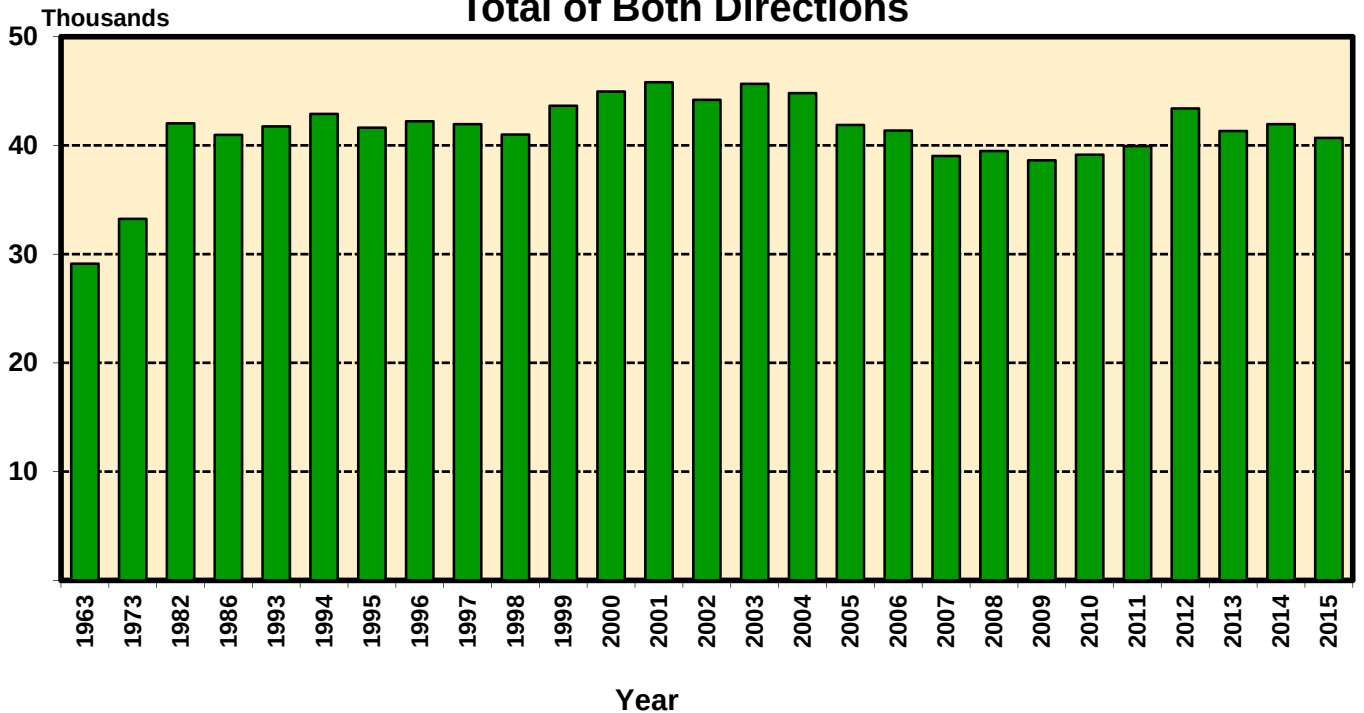


Queens – Nassau Screenline Volumes

Northern Boulevard Hourly Vehicle Volumes ~ 2015

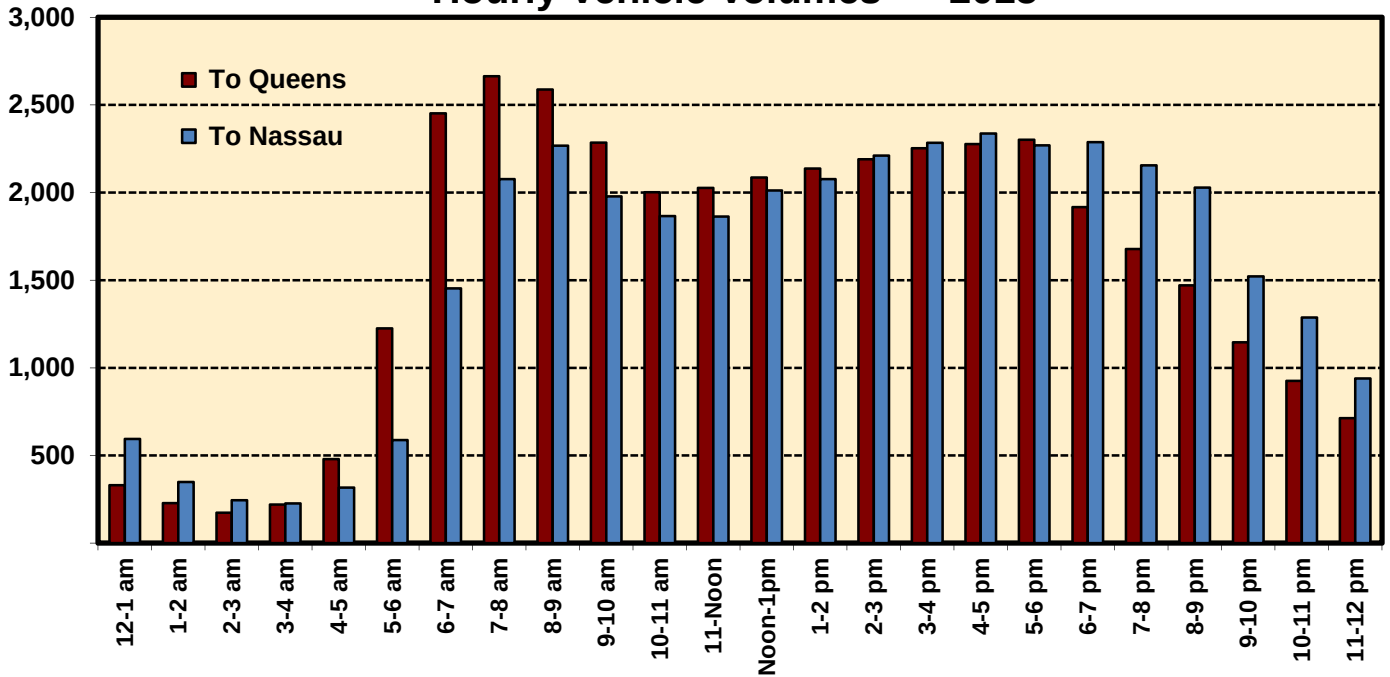


Northern Boulevard Average Daily Traffic Volumes Total of Both Directions

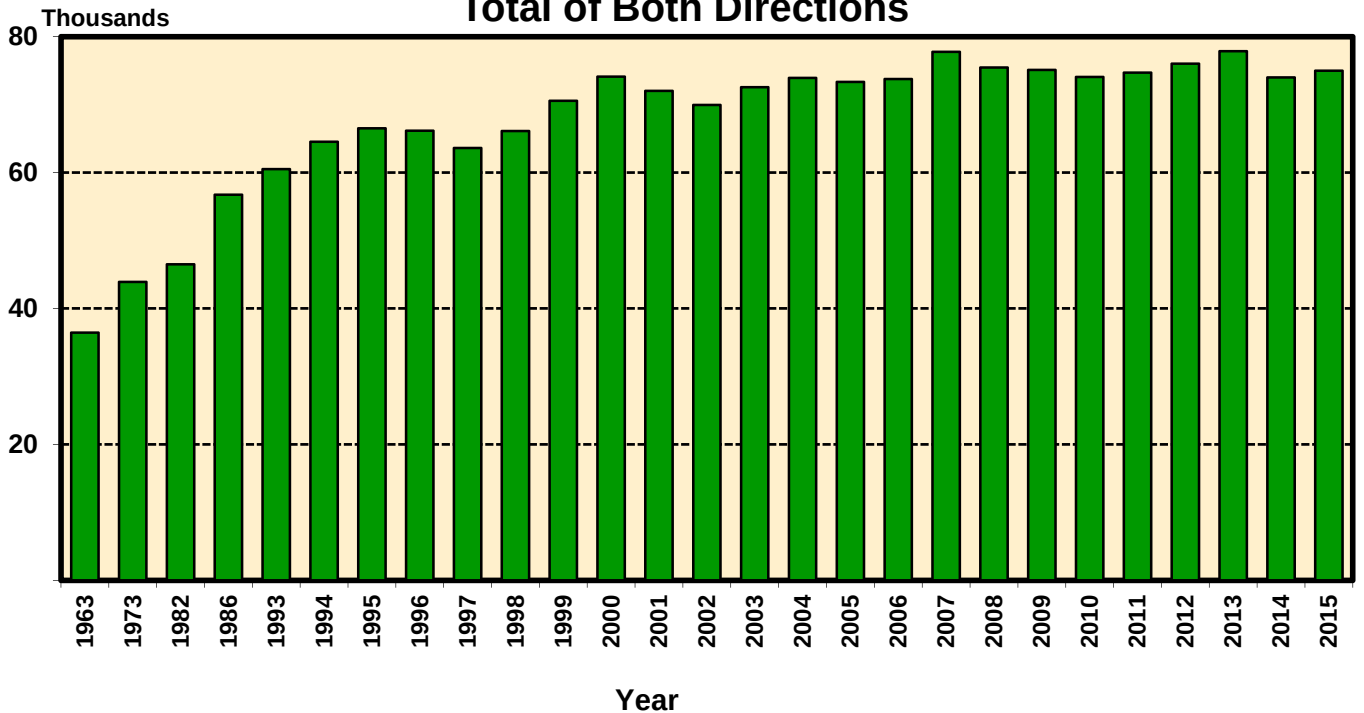


Queens – Nassau Screenline Volumes

**Rockaway Boulevard
Hourly Vehicle Volumes ~ 2015**

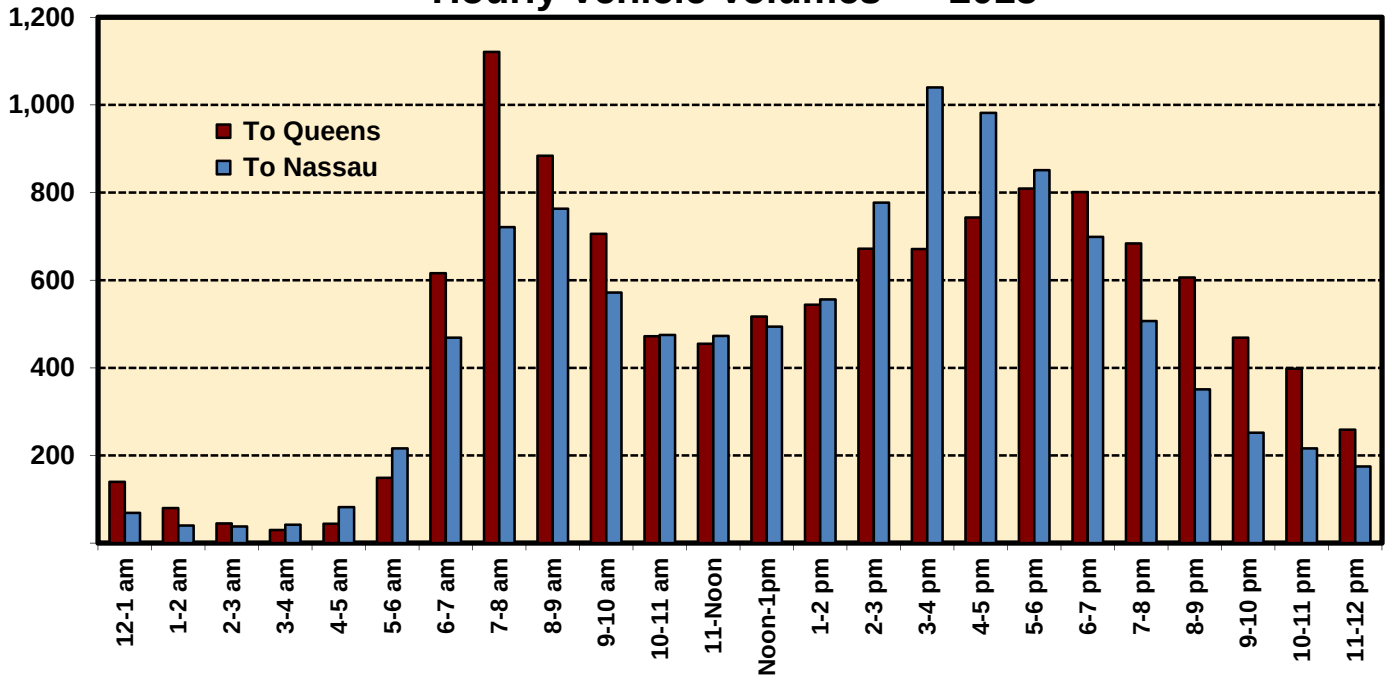


**Rockaway Boulevard
Average Daily Traffic Volumes
Total of Both Directions**

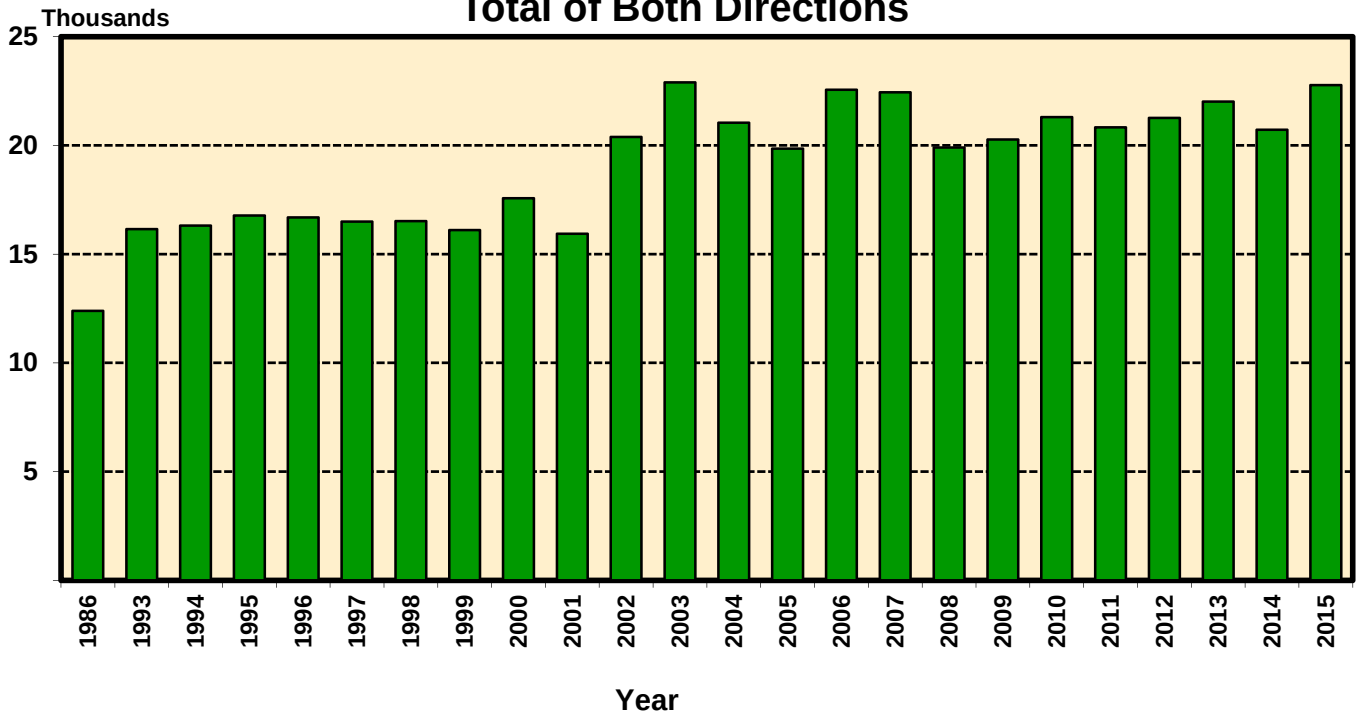


Queens – Nassau Screenline Volumes

**Seagirt Boulevard
Hourly Vehicle Volumes ~ 2015**

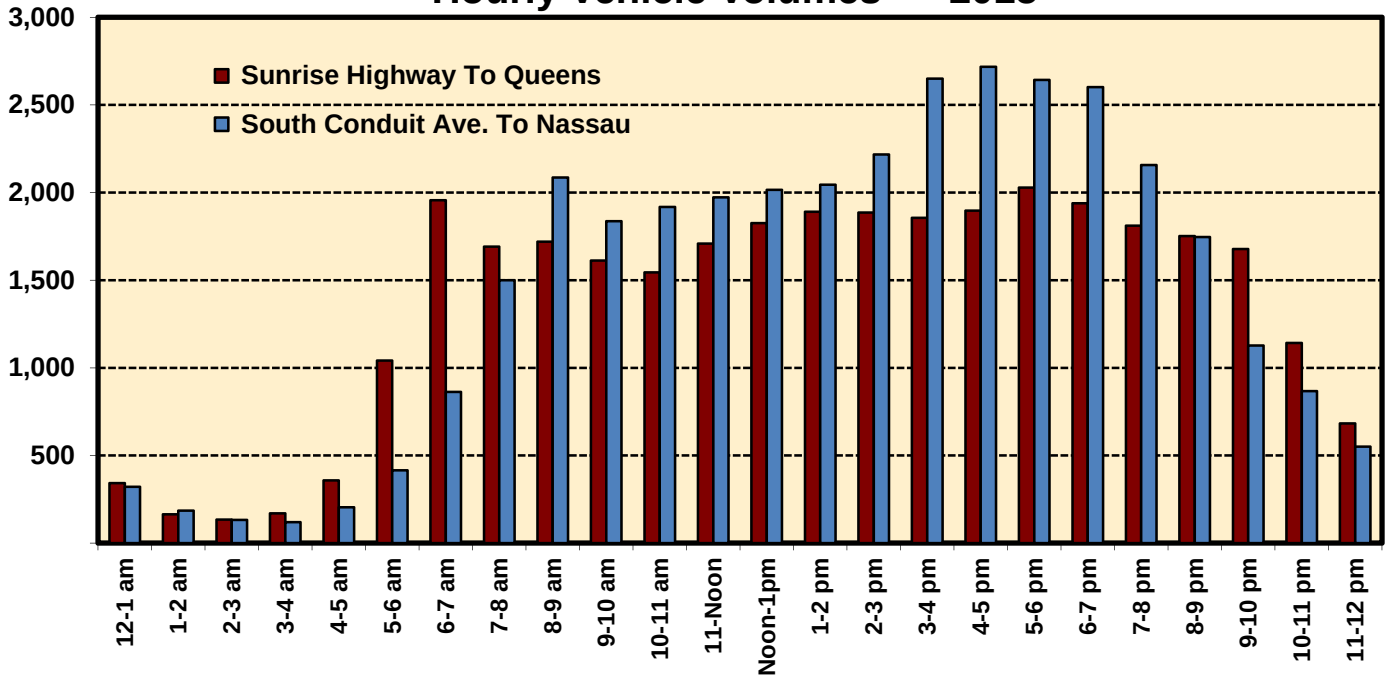


**Seagirt Boulevard
Average Daily Traffic Volumes
Total of Both Directions**

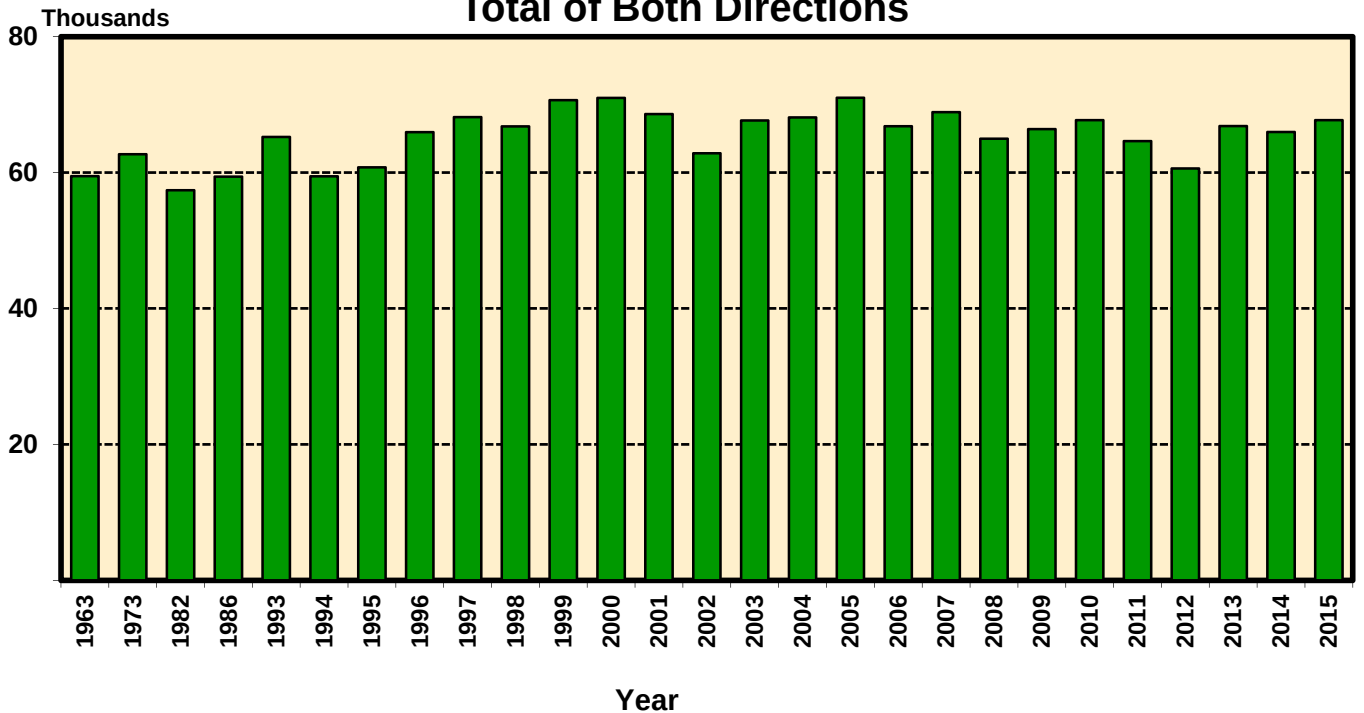


Queens – Nassau Screenline Volumes

Sunrise Highway/South Conduit Ave Hourly Vehicle Volumes ~ 2015

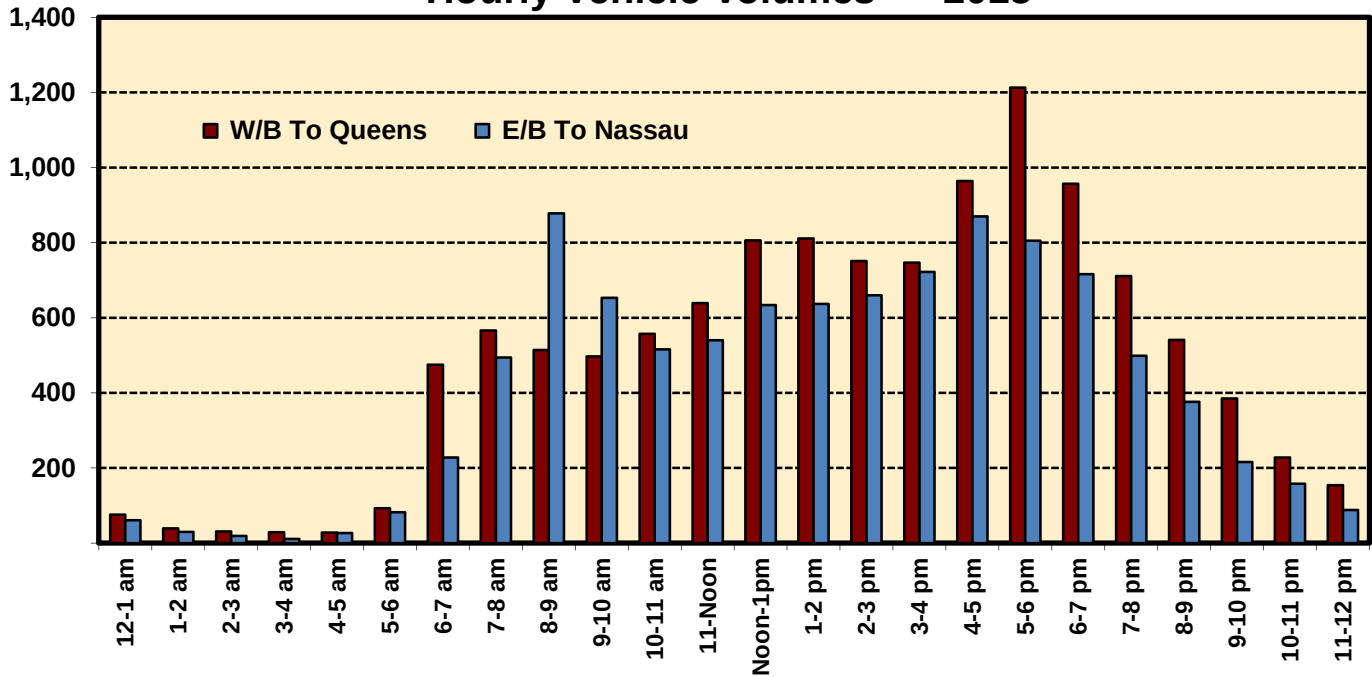


Sunrise Highway/South Conduit Ave. Average Daily Traffic Volumes Total of Both Directions

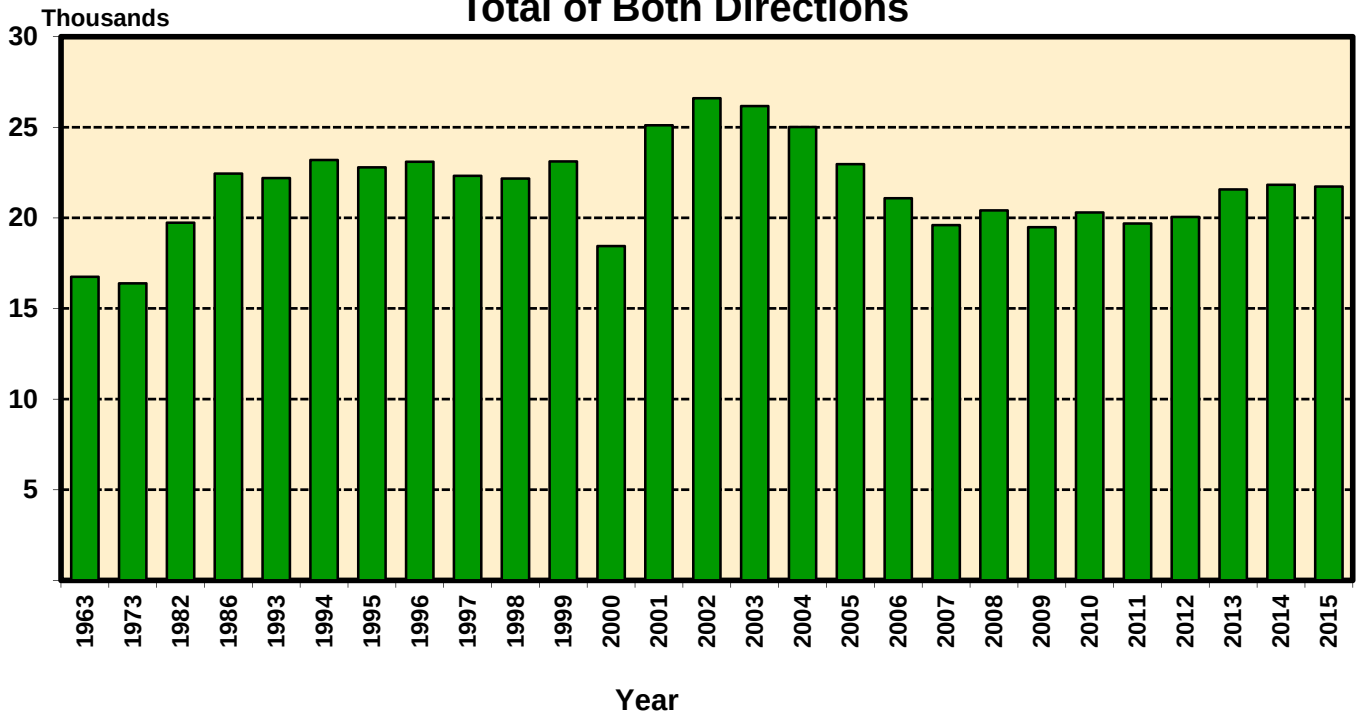


Queens – Nassau Screenline Volumes

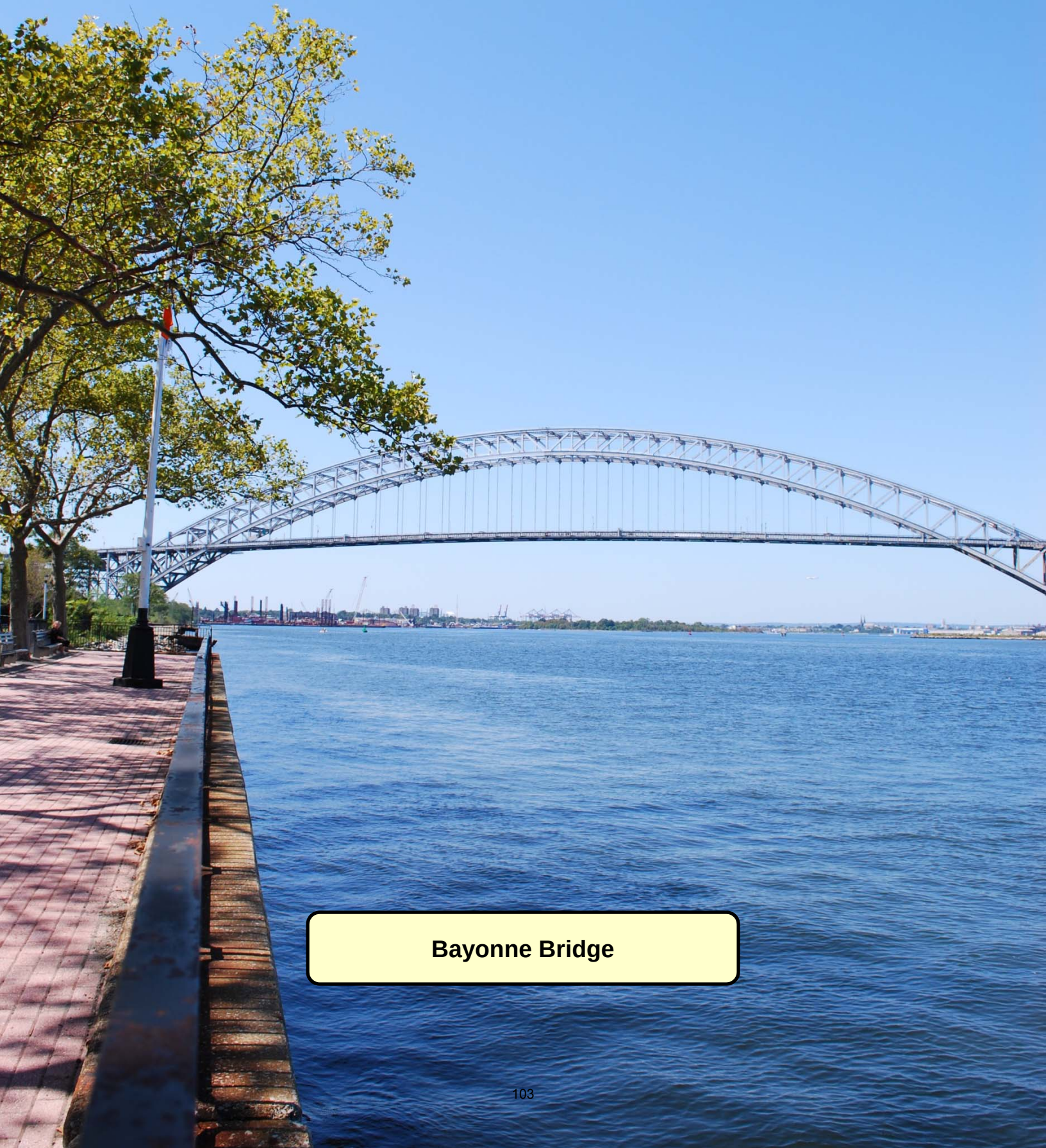
Union Turnpike Hourly Vehicle Volumes ~ 2015



Union Turnpike Average Daily Traffic Volumes Total of Both Directions



New York – New Jersey Screenline



Bayonne Bridge

NEW YORK - NEW JERSEY SCREENLINE

Manhattan – New Jersey

In 1963, daily traffic between Manhattan and New Jersey averaged 265,603 vehicles.

- The George Washington Bridge was the most heavily-traveled crossing, serving 127,452 vehicles per day (48.0% of the total).
- The Holland Tunnel accommodated 58,814 daily vehicles.
- The Lincoln Tunnel was used by 79,337 daily vehicles.

1963 – 1973 Manhattan – New Jersey

Between 1963 and 1973, Manhattan - New Jersey traffic volume grew to 397,203 vehicles per day, an increase of 49.5% (131,600 additional daily vehicles).

- George Washington Bridge traffic increased 82.6% (to 232,686 daily vehicles in 1973 from 127,452 in 1963), partly as a result of the opening of the lower level, and the Alexander Hamilton Bridge/Trans-Manhattan Expressway route, which facilitated travel between Bronx/Queens/Long Island/New England and New Jersey via upper Manhattan.
- That increase of 105,234 daily vehicles using the George Washington Bridge accounted for 80.0% of the total 1963-1973 growth in Manhattan - New Jersey screenline traffic.
- Lincoln Tunnel traffic increased 25.8%, to 99,786 daily vehicles from 79,337.
- Holland Tunnel traffic increased 10.1%, to 64,731 vehicles per day from 58,814.

1973 – 1982 Manhattan – New Jersey

Growth slowed considerably between 1973 and 1982, with daily Manhattan - New Jersey volume increasing by 36,541 vehicles (+9.2%) to 433,744.

- George Washington Bridge traffic increased 7.1%, to 249,294 daily vehicles in 1982 from 232,686 in 1973.
- Holland Tunnel traffic increased 14.3%, to 73,997 daily vehicles from 64,731.
- Lincoln Tunnel traffic increased 10.7%, to 110,453 daily vehicles from 99,786.

1982 – 1986 Manhattan – New Jersey

Faster growth resumed between 1982 and 1986, as daily Manhattan - New Jersey traffic reached 485,751, up 12.0% over the four-year period.

- George Washington Bridge traffic increased 14.9%, to 286,398 daily vehicles in 1986 from 249,294 in 1982.
- Holland Tunnel traffic increased 4.5%, to 77,300 daily vehicles from 73,997.
- Lincoln Tunnel traffic increased 10.5%, to 122,053 daily vehicles from 110,453.

1986 – 1995 Manhattan – New Jersey

From 1986 to 1995, Manhattan - New Jersey traffic decreased 0.8%, to 482,098 daily vehicles from 485,751.

- George Washington Bridge traffic decreased 7.1%, to 266,029 daily vehicles in 1995 from 286,398 in 1986.
- The only increase was at the Holland Tunnel, where traffic increased 24.6%, to 96,310 daily vehicles from 77,300.

1995 – 2005 Manhattan – New Jersey

Manhattan - New Jersey traffic increased 9.5%, to 527,717 daily vehicles in 2005 from 482,098 in 1995.

- George Washington Bridge traffic increased 14.4%, to 304,302 daily vehicles in 2005 from 266,029 in 1995.
- Lincoln Tunnel traffic increased 5.6%, to 126,455 daily vehicles from 119,759.
- Holland Tunnel traffic increased 0.7%, to 96,960 daily vehicles from 96,310.

2005 – 2015 Manhattan – New Jersey

During the most recent ten-year period, Manhattan – New Jersey traffic decreased 5.6%, to 498,270 daily vehicles in 2015 from 527,717 in 2005.

- George Washington Bridge traffic decreased 3.0%, to 295,120 daily vehicles from 304,302.
- Lincoln Tunnel traffic decreased 10.0%, to 113,783 daily vehicles from 126,455.
- Holland Tunnel traffic decreased 7.8%, to 89,367 daily vehicles from 96,960.

1963 – 2015 Manhattan – New Jersey

During the 52 years from 1963 to 2015, traffic between Manhattan and New Jersey increased 87.6%, to 498,270 daily vehicles from 265,603.

- George Washington Bridge traffic climbed 131.6%, to 295,120 daily vehicles from 127,452.
- Holland Tunnel traffic increased 51.9%, to 89,367 daily vehicles from 58,814.
- Lincoln Tunnel traffic increased 43.4%, to 113,783 daily vehicles from 79,337.

Staten Island – New Jersey

In 1963, Staten Island-New Jersey screenline traffic was only 27,398 vehicles per day. The highest volume was on the Goethals Bridge, 12,478 vehicles per day.

1963 – 1973 Staten Island – New Jersey

By 1973, motor travel between Staten Island and New Jersey had nearly tripled, to 81,034 daily vehicles in 1973 from 27,398 in 1963.

- Growth was spurred by the opening of the Verrazano-Narrows Bridge between Brooklyn and Staten Island in 1964.
- Much of the new traffic was simply passing through Staten Island.
- Goethals Bridge traffic jumped 356%, to 56,850 daily vehicles in 1973 from 12,478 in 1963.
- Outerbridge Crossing traffic increased 64.8%, to 11,726 daily vehicles from 7,114.
- Bayonne Bridge traffic increased 59.6%, to 12,458 daily vehicles from 7,806.

1973 – 1982 Staten Island – New Jersey

Growth slowed between 1973 and 1982. Nevertheless, Staten Island - New Jersey traffic volume rose to 106,672 daily vehicles, an increase of 31.6% during the nine-year period, the highest rate of any City border screenline.

- Growth was concentrated at the Outerbridge Crossing, where volume nearly quadrupled, to 44,740 daily vehicles in 1982 from 11,726 in 1973. Completion of the West Shore Expressway provided a continuous limited access route between the Outerbridge Crossing and the Verrazano-Narrows Bridge.
- Bayonne Bridge traffic increased 9.3%, to 13,622 daily vehicles from 12,458.
- On the other hand, volume on the Goethals Bridge decreased 15.0%, to 48,310 daily vehicles from 56,850.

1982 – 1986 Staten Island – New Jersey

Renewed growth between 1982 and 1986 boosted daily Staten Island - New Jersey traffic volume to 138,436 daily vehicles, an increase of 29.8% in just four years.

- Growth was fairly evenly distributed among the three facilities.
- Goethals Bridge traffic increased 33.8%, to 64,634 daily vehicles in 1986 from 48,310 in 1982.
- Outerbridge Crossing traffic increased 29.4% to 57,896 daily vehicles from 44,740.
- Bayonne Bridge traffic increased 16.8%, to 15,906 daily vehicles from 13,622.

1986 – 1995 Staten Island – New Jersey

From 1986 to 1995, Staten Island - New Jersey traffic increased by 3.8%, to 143,657 vehicles per day from 138,436.

- All growth occurred at the Outerbridge Crossing, where daily traffic increased 14.1%, to 66,081 daily vehicles in 1995 from 57,896 in 1986.
- Goethals Bridge traffic decreased 2.5%, to 63,040 daily vehicles from 64,634.
- Bayonne Bridge traffic decreased 8.6%, to 14,536 daily vehicles from 15,906.

1995 – 2005 Staten Island – New Jersey

From 1995 to 2005, Staten Island - New Jersey traffic increased 19.5%, to 171,653 daily vehicles from 143,657.

- Bayonne Bridge traffic increased 49.7%, to 21,755 daily vehicles from 14,536.
- Goethals Bridge traffic increased 9.1%, to 68,790 daily vehicles from 63,040.
- Outerbridge Crossing traffic increased 22.7%, to 81,108 daily vehicles from 66,081.

2005 – 2015 Staten Island – New Jersey

During the past ten years, Staten Island - New Jersey traffic decreased 4.9%, to 163,218 daily vehicles from 171,653.

- Bayonne Bridge traffic decreased 50.2%, to 10,840 daily vehicles from 21,755. This bridge was undergoing major reconstruction in 2015.
- Goethals Bridge traffic increased 14.3%, to 78,605 daily vehicles from 68,790. During 2015, there was diversion to the Goethals Bridge due to the major reconstruction on the nearby Bayonne Bridge.
- Outerbridge Crossing traffic decreased 9.0%, to 73,773 daily vehicles from 81,108.

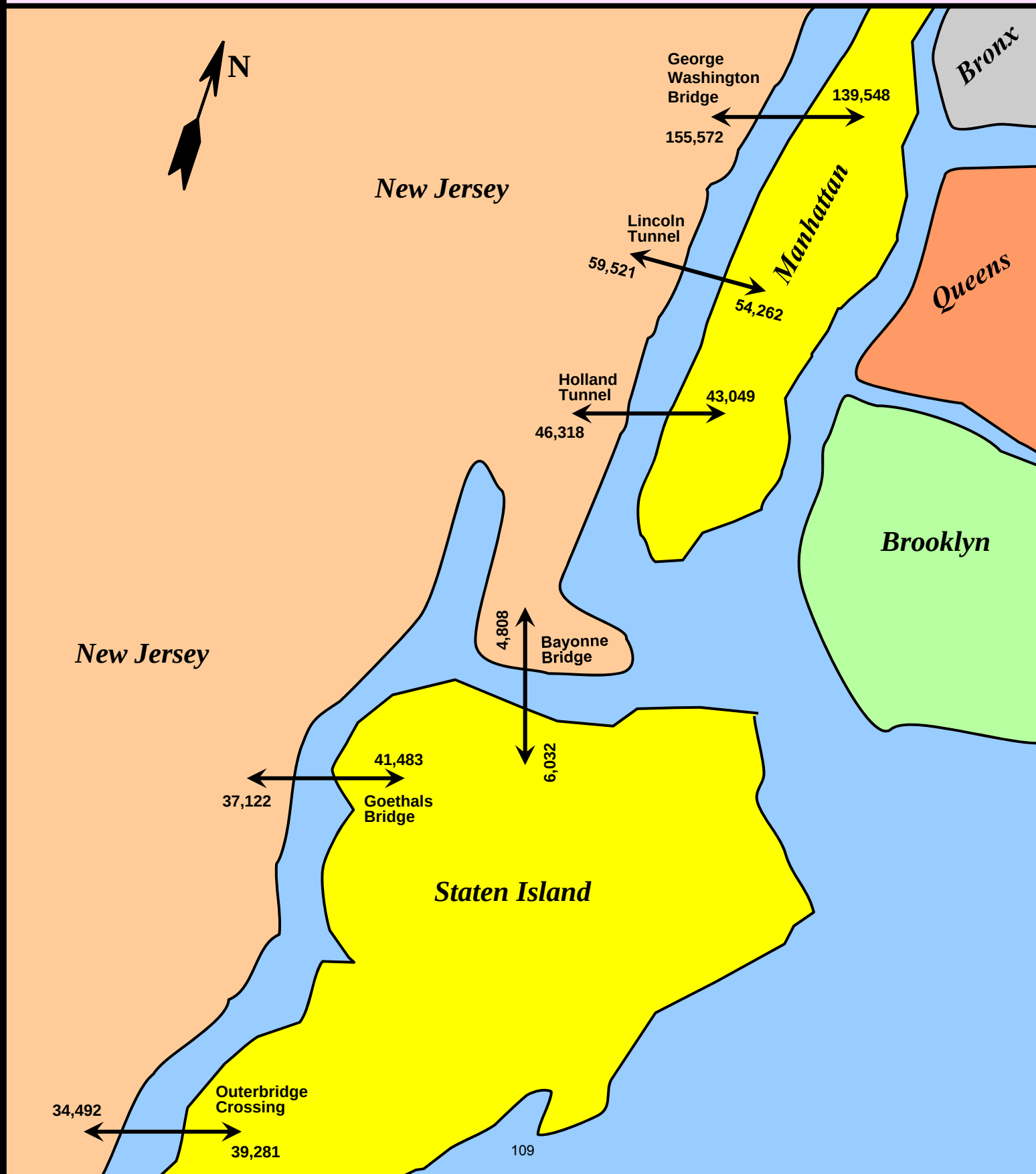
1963 – 2015 Staten Island – New Jersey

During the 52 years from 1963 to 2015, daily traffic between Staten Island and New Jersey soared 495.7%, to 163,218 daily vehicles from just 27,398.

- Outerbridge Crossing traffic skyrocketed more than nine fold, to 66,659 vehicles per day in 2015 from 7,114 in 1963.
- Goethals Bridge traffic soared 529.9%, to 66,127 daily vehicles from 12,478.

New York – New Jersey Screenline

2015 Daily Volumes



**New York - New Jersey Screenline
Historical Comparisons
Average Daily Traffic Volumes**

To New York

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
G Washington Bridge	N/A	114,286	122,932	143,199	132,527	132,086	135,219	140,018	143,487	149,093	151,685	153,461	155,233	150,758	150,233
Holland Tunnel	N/A	32,521	37,009	35,513	44,461	45,482	45,484	46,688	47,692	47,985	49,658	49,486	12,548	45,722	47,727
Lincoln Tunnel	N/A	49,725	56,038	62,209	57,491	58,272	58,826	59,401	59,685	60,647	62,159	62,516	54,608	58,415	62,157
Manhattan Totals	N/A	196,532	215,979	240,921	234,479	235,840	239,529	246,107	250,864	257,725	263,502	265,463	222,389	254,895	260,117
Bayonne Bridge	N/A	6,229	6,811	7,953	8,147	8,283	8,472	8,384	9,268	9,628	9,709	10,309	14,098	11,684	11,627
Goethals Bridge	N/A	28,425	24,155	32,317	32,325	33,416	33,726	34,024	34,884	35,547	35,900	37,919	39,315	40,419	38,828
Outerbridge Crossing	N/A	5,863	22,370	28,948	35,129	35,567	34,975	36,295	37,297	38,034	40,944	39,477	41,000	38,407	41,653
Staten Is Totals	N/A	40,517	53,336	69,218	75,601	77,266	77,173	78,703	81,449	83,209	86,553	87,705	94,413	90,510	92,108
Grand Totals	N/A	237,049	269,315	310,139	310,080	313,106	316,702	324,810	332,313	340,934	350,055	353,168	316,802	345,405	352,225

To New York

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
G Washington Bridge	152,418	147,861	151,639	148,567	145,102	145,105	142,321	135,932	137,949	136,744	136,840	139,548
Holland Tunnel	46,806	46,968	48,161	48,226	46,061	46,696	47,827	45,519	46,524	45,416	43,212	43,049
Lincoln Tunnel	62,826	61,460	61,812	61,619	56,812	57,507	57,542	54,850	53,731	52,468	53,128	54,262
Manhattan Totals	262,050	256,289	261,612	258,412	247,975	249,308	247,690	236,301	238,204	234,628	233,180	236,859
Bayonne Bridge	12,275	11,933	13,290	12,469	11,094	10,985	11,248	10,460	10,672	10,503	8,591	6,032
Goethals Bridge	37,559	36,905	34,327	38,687	37,979	38,397	39,470	38,676	37,670	38,171	38,060	41,483
Outerbridge Crossing	41,018	41,090	43,723	41,282	39,319	40,079	39,724	38,917	38,662	35,737	37,669	39,281
Staten Is Totals	90,852	89,928	91,340	92,438	88,392	89,461	90,442	88,053	87,004	84,411	84,320	86,796
Grand Totals	352,902	346,217	352,952	350,850	336,367	338,769	338,132	324,354	325,208	319,039	317,500	323,655

* Actual 24 hour westbound volumes from Staten Island to New Jersey not available for 1973, 1982, and 1986; estimated to be the same as eastbound volumes to Staten Island obtained from toll records.

**New York - New Jersey Screenline
Historical Comparisons
Average Daily Traffic Volumes (continued)**

To New Jersey

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
G Washington Bridge	N/A	118,400	126,362	143,199	128,205	127,777	130,810	135,451	138,806	148,095	165,955	164,157	154,077	160,013	168,796
Holland Tunnel	N/A	32,210	36,988	41,787	48,224	49,155	50,826	50,110	53,294	52,887	53,362	51,651	30,829	46,835	53,370
Lincoln Tunnel	N/A	50,061	54,415	59,844	62,161	61,027	60,933	61,526	61,824	63,805	66,533	67,194	51,649	71,096	65,166
Manhattan Totals	N/A	200,671	217,765	244,830	238,590	237,959	242,569	247,087	253,924	264,787	285,850	283,002	236,555	277,944	287,332
Bayonne Bridge*	N/A	6,229	6,811	7,953	5,832	5,929	6,064	6,005	6,635	7,218	7,894	8,184	9,533	9,643	8,581
Goethals Bridge*	N/A	28,425	24,155	32,317	28,099	29,048	29,314	29,577	30,323	31,529	34,963	34,872	38,881	40,965	36,896
Outerbridge Crossing*	N/A	5,863	22,370	28,948	31,243	31,632	31,106	32,280	33,171	34,830	37,480	33,907	34,424	38,022	36,997
Staten Is Totals	N/A	40,517	53,336	69,218	65,174	66,609	66,484	67,862	70,129	73,577	80,337	76,963	82,838	88,630	82,474
Grand Totals	N/A	241,188	271,101	314,048	303,764	304,568	309,053	314,949	324,053	338,364	366,187	359,965	319,393	366,574	369,806

To New Jersey

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
G Washington Bridge	162,648	156,441	160,439	142,824	147,957	144,589	149,726	143,964	138,699	140,901	143,944	155,572
Holland Tunnel	49,365	49,992	50,284	52,265	50,996	49,488	46,840	48,041	46,219	44,596	44,020	46,318
Lincoln Tunnel	62,333	64,995	65,433	60,473	61,341	61,475	62,290	62,803	59,435	59,694	56,668	59,521
Manhattan Totals	274,346	271,428	276,136	255,562	260,294	255,552	258,856	254,808	244,353	245,191	244,632	261,411
Bayonne Bridge*	10,235	9,822	10,940	8,982	8,964	8,437	8,733	8,205	8,083	8,038	6,575	4,808
Goethals Bridge*	33,973	31,885	31,051	34,312	34,855	32,833	34,016	36,904	35,465	34,815	32,359	37,122
Outerbridge Crossing*	39,208	40,018	42,583	34,496	33,565	34,773	34,941	36,374	33,154	31,003	32,364	34,492
Staten Is Totals	83,416	81,725	84,574	77,790	77,384	76,043	77,690	81,483	76,702	73,856	71,298	76,422
Grand Totals	357,762	353,153	360,710	333,352	337,678	331,595	336,546	336,291	321,055	319,047	315,930	337,833

* Actual 24 hour westbound volumes from Staten Island to New Jersey not available for 1973, 1982, and 1986; estimated to be the same as eastbound volumes to Staten Island obtained from toll records.

**New York - New Jersey Screenline
Historical Comparisons
Average Daily Traffic Volumes (continued)**

Both Directions

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
G Washington Bridge	127,452	232,686	249,294	286,398	260,732	259,863	266,029	275,469	282,293	297,188	317,640	317,618	309,310	310,771	319,029
Holland Tunnel	58,814	64,731	73,997	77,300	92,685	94,637	96,310	96,798	100,986	100,872	103,020	101,137	43,377	92,557	101,097
Lincoln Tunnel	79,337	99,786	110,453	122,053	119,652	119,299	119,759	120,927	121,509	124,452	128,692	129,710	106,257	129,511	127,323
Manhattan Totals	265,603	397,203	433,744	485,751	473,069	473,799	482,098	493,194	504,788	522,512	549,352	548,465	458,944	532,839	547,449
Bayonne Bridge*	7,806	12,458	13,622	15,906	13,979	14,212	14,536	14,389	15,903	16,846	17,603	18,493	23,631	21,327	20,208
Goethals Bridge*	12,478	56,850	48,310	64,634	60,424	62,464	63,040	63,601	65,207	67,076	70,863	72,791	78,196	81,384	75,724
Outerbridge Crossing*	7,114	11,726	44,740	57,896	66,372	67,199	66,081	68,575	70,468	72,864	78,424	73,384	75,424	76,429	78,650
Staten Is Totals	27,398	81,034	106,672	138,436	140,775	143,875	143,657	146,565	151,578	156,786	166,890	164,668	177,251	179,140	174,582
Grand Totals	293,001	478,237	540,416	624,187	613,844	617,674	625,755	639,759	656,366	679,298	716,242	713,133	636,195	711,979	722,031

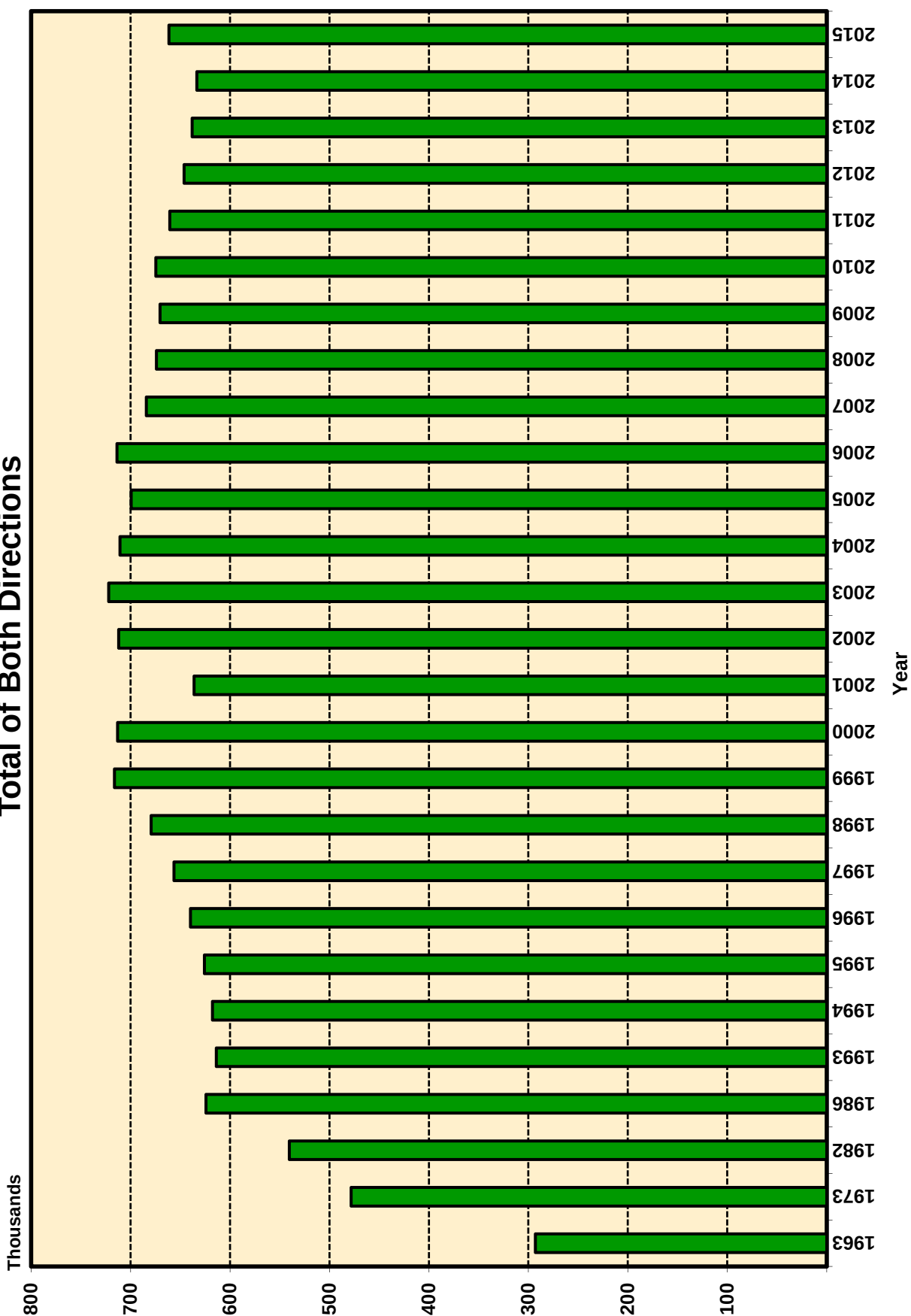
Both Directions

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
G Washington Bridge	315,066	304,302	312,078	291,391	293,059	289,694	292,047	279,896	276,648	277,645	280,784	295,120
Holland Tunnel	96,171	96,960	98,425	100,491	97,057	96,184	94,667	93,560	92,743	90,012	87,232	89,367
Lincoln Tunnel	125,159	126,455	127,245	122,092	118,153	118,982	119,832	117,653	113,166	112,162	109,796	113,783
Manhattan Totals	536,396	527,717	537,748	513,974	508,269	504,860	506,546	491,109	482,557	479,819	477,812	498,270
Bayonne Bridge*	22,510	21,755	24,230	21,451	20,058	19,422	19,981	18,665	18,755	18,541	15,166	10,840
Goethals Bridge*	71,532	68,790	65,378	72,999	72,834	71,230	73,486	75,580	73,135	72,986	70,419	78,605
Outerbridge Crossing*	80,226	81,108	86,306	75,778	72,884	74,852	74,665	75,291	71,816	66,740	70,033	73,773
Staten Is Totals	174,268	171,653	175,914	170,228	165,776	165,504	168,132	169,536	163,706	158,267	155,618	163,218
Grand Totals	710,664	699,370	713,662	684,202	674,045	670,364	674,678	660,645	646,263	638,086	633,430	661,488

* Actual 24 hour westbound volumes from Staten Island to New Jersey not available for 1973, 1982, and 1986; estimated to be the same as eastbound volumes to Staten Island obtained from toll records.

New York – New Jersey Screenline Volumes

Historical Comparisons
Average Daily Traffic Volumes
Total of Both Directions



2015 Screenline Volumes

New York - New Jersey

	George Washington Bridge		Holland Tunnel		Lincoln Tunnel		Manhattan Totals	
	* E/B	W/B	* E/B	W/B	* E/B	W/B	To Manhattan	To N.J.
Mid-1am	1,732	2,841	678	1,255	850	1,138	3,260	5,234
1-2am	1,196	1,718	438	814	577	604	2,211	3,136
2-3am	1,095	1,283	338	549	472	394	1,905	2,226
3-4am	1,333	1,416	389	551	522	422	2,244	2,389
4-5am	2,326	1,920	695	767	957	599	3,978	3,286
5-6am	6,724	3,306	2,155	1,388	3,117	879	11,996	5,573
6-7am	11,059	5,735	2,834	2,199	4,812	1,565	18,705	9,499
7-8am	9,666	6,953	2,769	2,430	4,091	2,062	16,526	11,445
8-9am	8,375	7,784	2,664	2,371	4,091	2,057	15,130	12,212
9-10am	8,404	7,123	2,529	1,948	3,754	2,109	14,687	11,180
10-11am	7,601	6,661	2,397	1,949	3,388	2,049	13,386	10,659
11-Noon	6,841	6,553	2,021	1,894	2,938	2,205	11,800	10,652
Noon-1	6,419	6,399	1,854	2,098	2,552	2,470	10,825	10,967
1-2pm	6,455	7,040	1,829	2,387	2,473	2,897	10,757	12,324
2-3pm	6,790	9,017	1,965	2,494	2,536	3,428	11,291	14,939
3-4pm	7,309	10,713	2,118	2,229	2,443	4,262	11,870	17,204
4-5pm	7,769	10,676	2,385	2,373	2,043	4,872	12,197	17,921
5-6pm	8,009	12,006	2,561	2,355	1,596	5,185	12,166	19,546
6-7pm	7,859	11,573	2,479	2,299	1,897	5,128	12,235	19,000
7-8pm	6,528	10,427	2,130	2,435	2,117	4,306	10,775	17,168
8-9pm	5,199	8,470	1,680	2,460	1,971	3,550	8,850	14,480
9-10pm	4,462	6,249	1,541	2,407	1,943	3,046	7,946	11,702
10-11pm	3,747	5,139	1,484	2,412	1,755	2,909	6,986	10,460
11-Mid	2,650	4,570	1,116	2,254	1,367	1,385	5,133	8,209
24 hr Total	139,548	155,572	43,049	46,318	54,262	59,521	236,859	261,411
6-10am	37,504	27,595	10,796	8,948	16,748	7,793	65,048	44,336
10am-1pm	20,861	19,613	6,272	5,941	8,878	6,724	36,011	32,278
1-3pm	13,245	16,057	3,794	4,881	5,009	6,325	22,048	27,263
3-7pm	30,946	44,968	9,543	9,256	7,979	19,447	48,468	73,671
6am-7pm	102,556	108,233	30,405	29,026	38,614	40,289	171,575	177,548

* To Manhattan

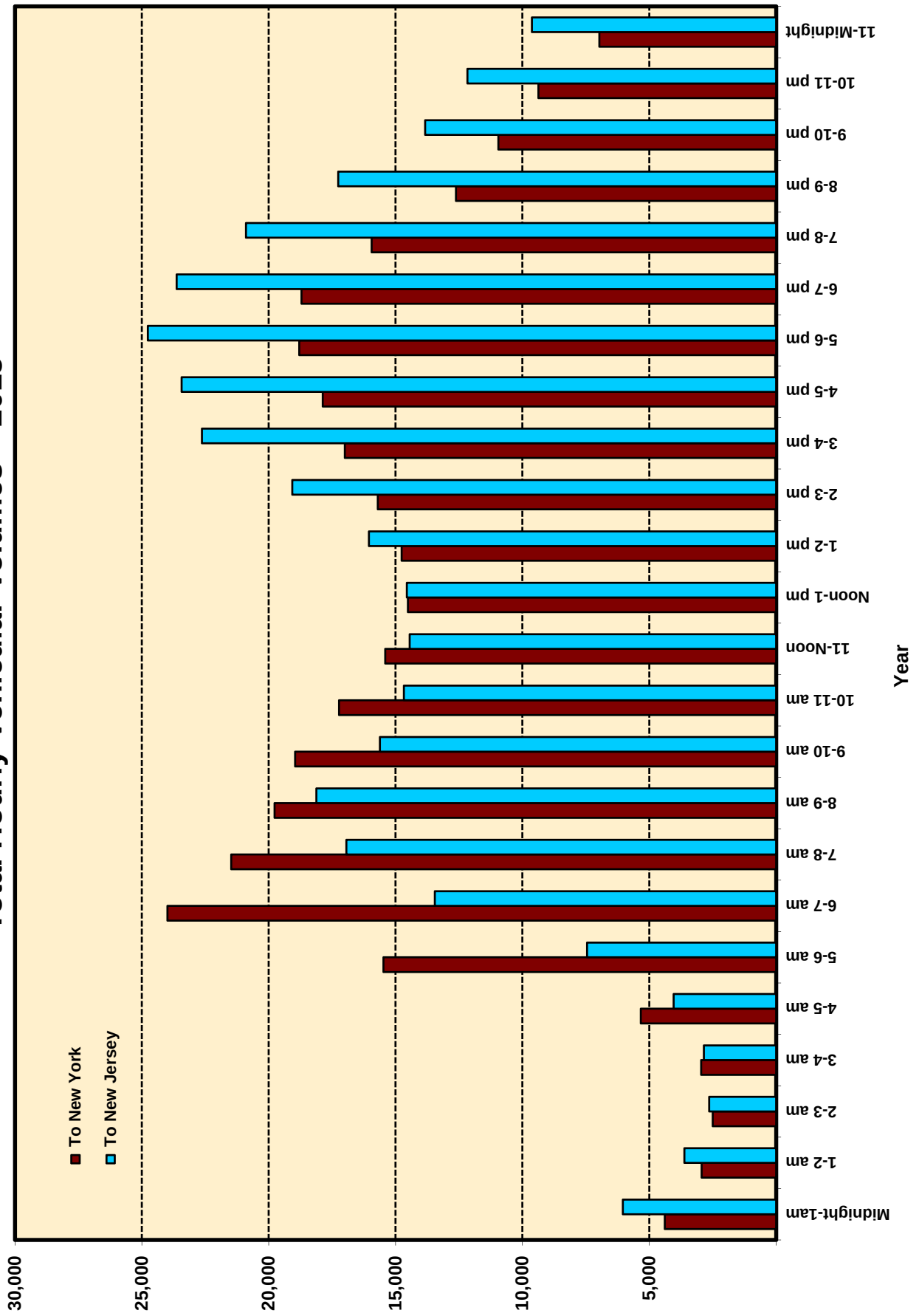
2015 Screenline Volumes New York - New Jersey (cont'd)

	Bayonne Bridge		Goethals Bridge		Outerbridge Crossing		Staten Island Totals		Grand Totals	
	<i>* S/B</i>	<i>N/B</i>	<i>* E/B</i>	<i>W/B</i>	<i>* E/B</i>	<i>W/B</i>	<i>To Staten Is.</i>	<i>To N.J.</i>	<i>To N.Y.</i>	<i>To N.J.</i>
Mid-1am	3	5	678	419	450	383	1,131	807	4,391	6,041
1-2am	1	0	448	268	278	212	727	480	2,938	3,616
2-3am	1	0	354	231	241	183	596	414	2,501	2,640
3-4am	1	3	377	276	334	183	712	462	2,956	2,851
4-5am	28	31	601	439	729	283	1,358	753	5,336	4,039
5-6am	178	262	1,372	1,019	1,933	600	3,483	1,881	15,479	7,454
6-7am	339	623	2,096	1,976	2,852	1,358	5,287	3,957	23,992	13,456
7-8am	431	795	1,907	2,546	2,613	2,155	4,951	5,496	21,477	16,941
8-9am	453	762	1,952	2,737	2,234	2,414	4,639	5,913	19,769	18,125
9-10am	40	109	2,090	2,399	2,143	1,930	4,273	4,438	18,960	15,618
10-11am	17	70	2,023	2,159	1,801	1,785	3,841	4,014	17,227	14,673
11-Noon	18	88	1,896	2,022	1,694	1,681	3,608	3,791	15,408	14,443
Noon-1	14	84	1,961	1,873	1,717	1,634	3,692	3,591	14,517	14,558
1-2pm	22	88	2,152	1,948	1,833	1,693	4,007	3,729	14,764	16,053
2-3pm	105	125	2,339	2,025	1,969	1,984	4,413	4,134	15,704	19,073
3-4pm	656	383	2,372	2,508	2,101	2,537	5,129	5,428	16,999	22,632
4-5pm	796	350	2,554	2,598	2,324	2,567	5,674	5,515	17,871	23,436
5-6pm	1,073	347	2,894	2,426	2,665	2,447	6,632	5,220	18,798	24,766
6-7pm	998	302	2,947	2,025	2,529	2,302	6,474	4,629	18,709	23,629
7-8pm	607	250	2,531	1,552	2,032	1,928	5,170	3,730	15,945	20,898
8-9pm	245	128	1,879	1,160	1,648	1,493	3,772	2,781	12,622	17,261
9-10pm	6	1	1,634	1,002	1,363	1,129	3,003	2,132	10,949	13,834
10-11pm	0	0	1,363	833	1,024	876	2,387	1,709	9,373	12,169
11-Mid	0	2	1,063	681	774	735	1,837	1,418	6,970	9,627
24 hr Total	6,032	4,808	41,483	37,122	39,281	34,492	86,796	76,422	323,655	337,833
6-10am	1,263	2,289	8,045	9,658	9,842	7,857	19,150	19,804	84,198	64,140
10am-1pm	49	242	5,880	6,054	5,212	5,100	11,141	11,396	47,152	43,674
1-3pm	127	213	4,491	3,973	3,802	3,677	8,420	7,863	30,468	35,126
3-7pm	3,523	1,382	10,767	9,557	9,619	9,853	23,909	20,792	72,377	94,463
6am-7pm	4,962	4,126	29,183	29,242	28,475	26,487	62,620	59,855	234,195	237,403

* To Staten Island

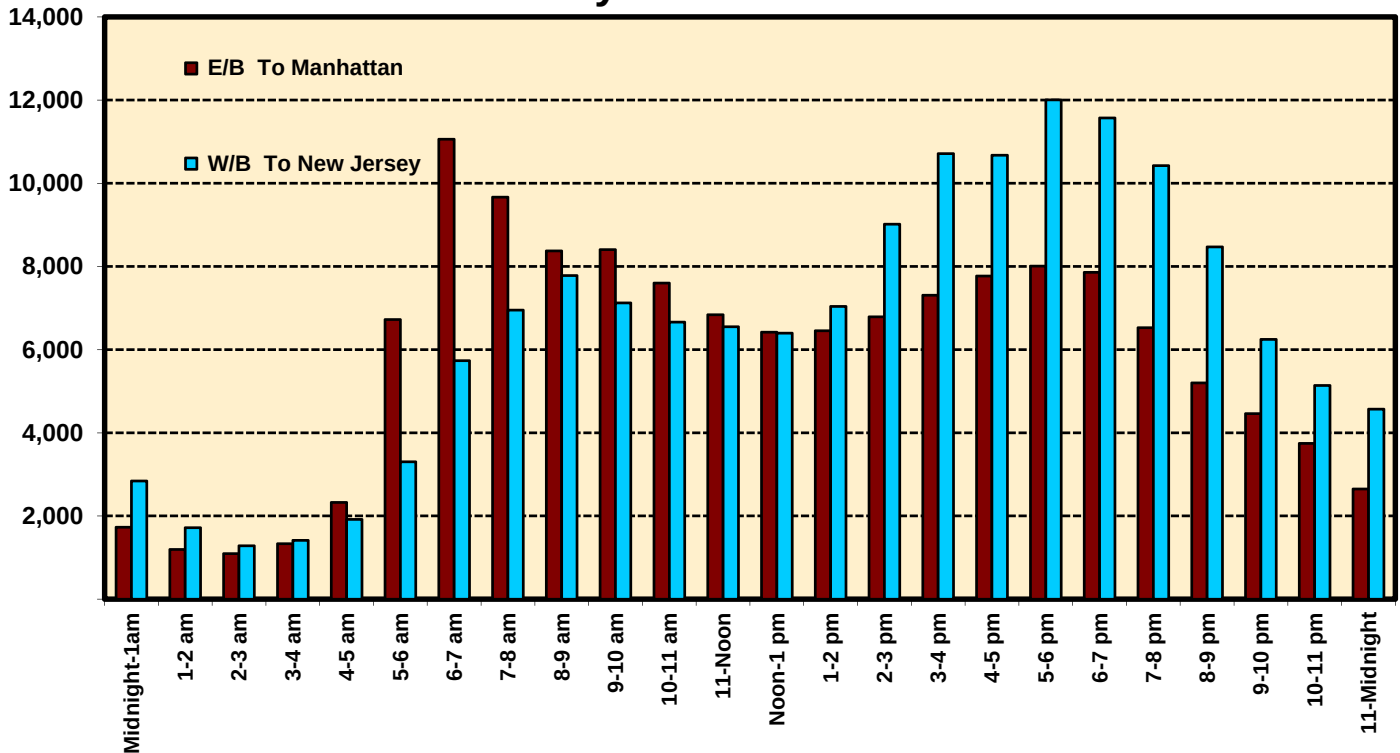
New York – New Jersey Screenline Volumes

Total Hourly Vehicular Volumes ~ 2015

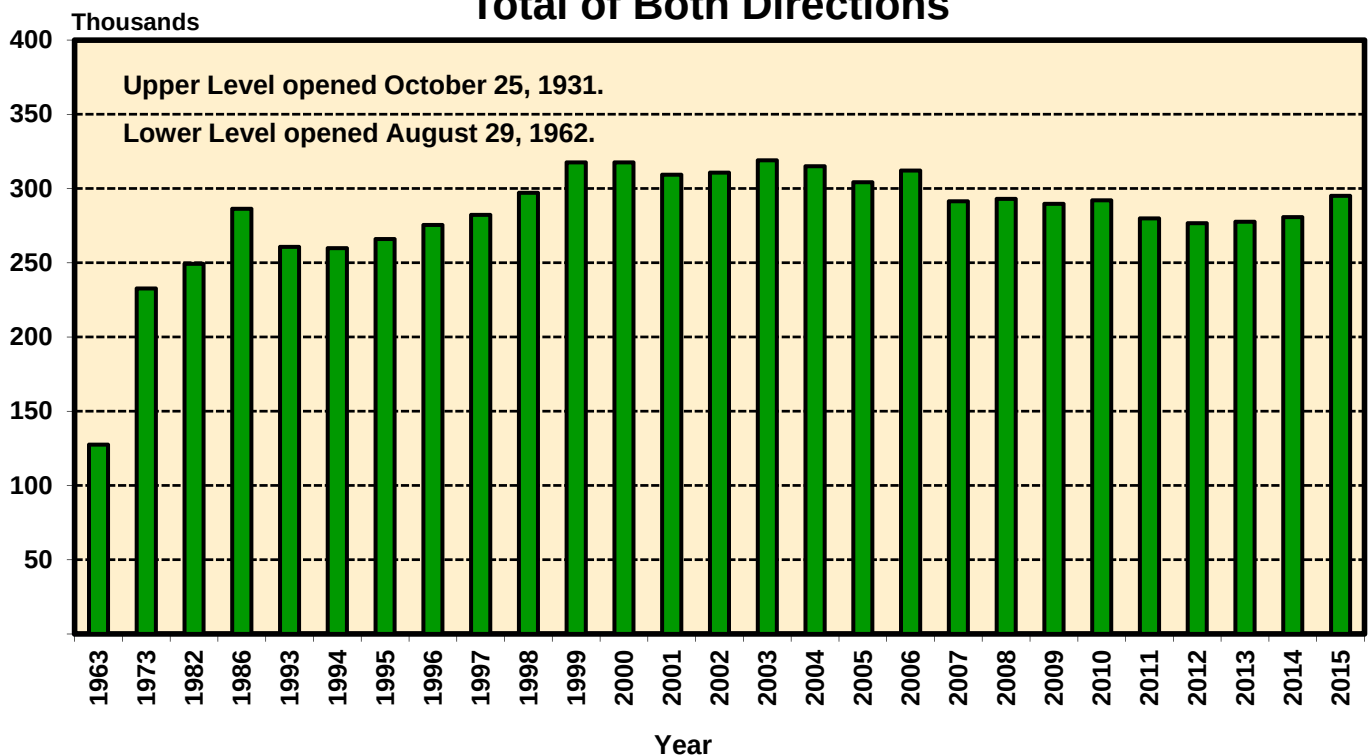


New York – New Jersey Screenline Volumes

George Washington Bridge ~ 2015 Hourly Vehicular Volumes

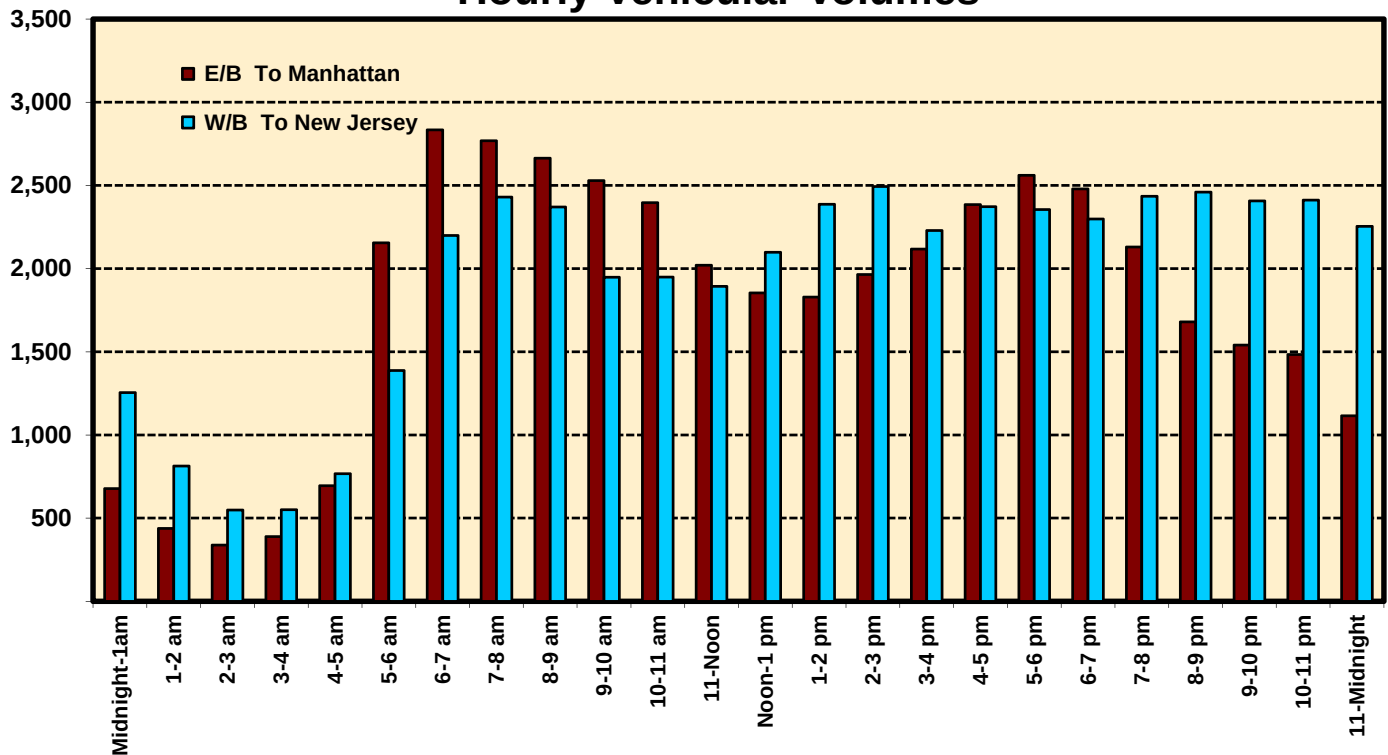


George Washington Bridge Average Daily Traffic Volumes Total of Both Directions

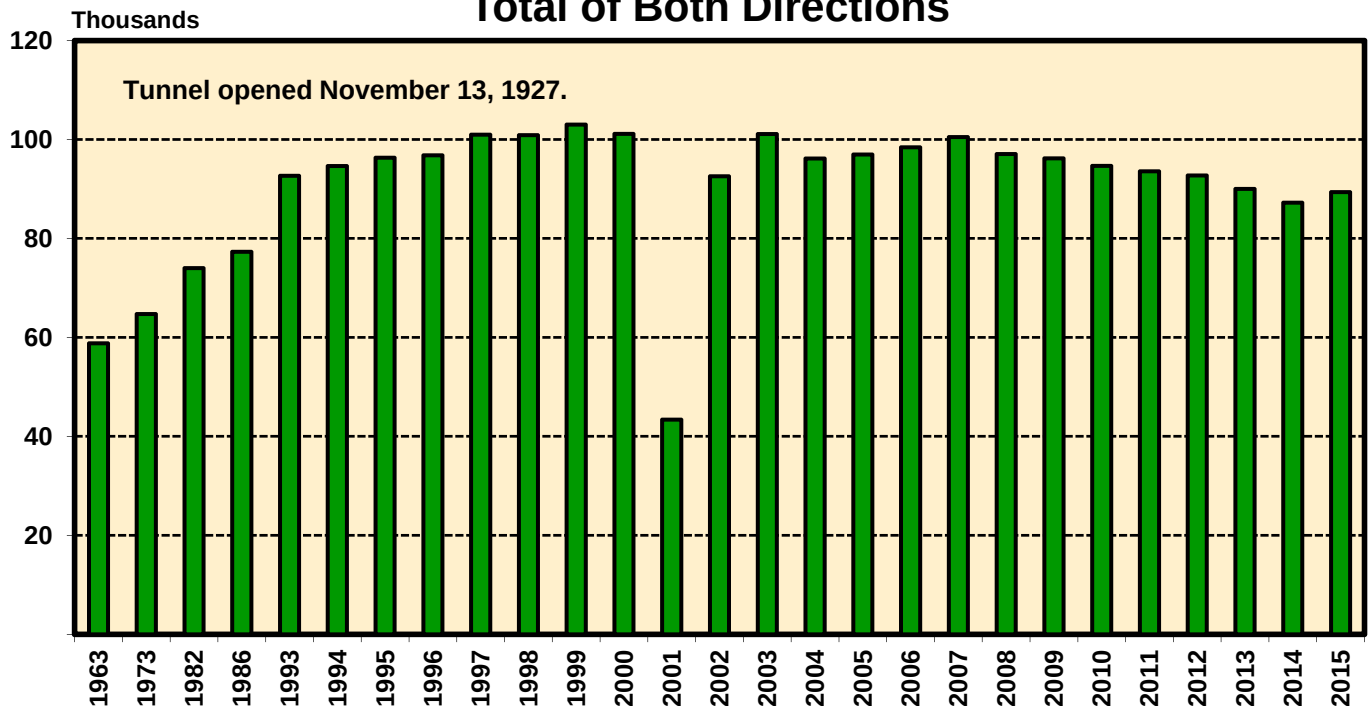


New York – New Jersey Screenline Volumes

Holland Tunnel ~ 2015 Hourly Vehicular Volumes



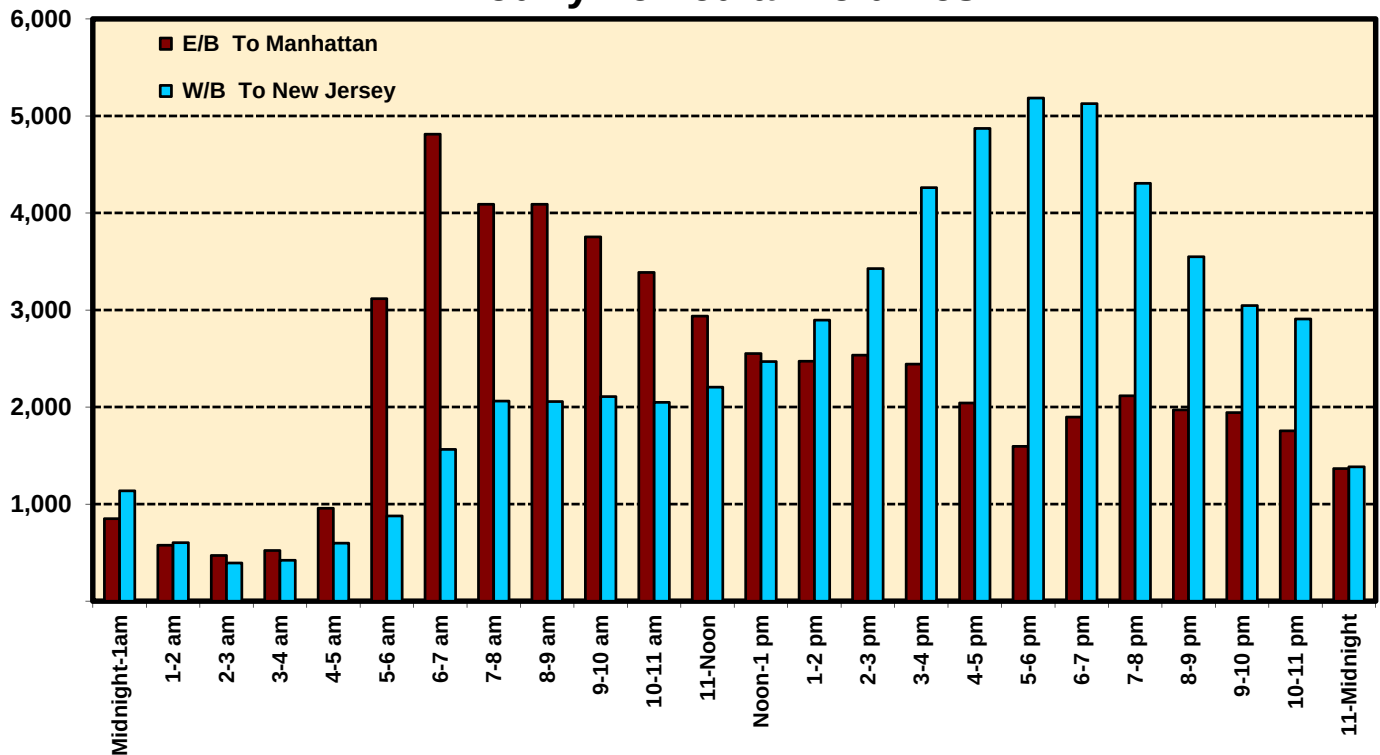
Holland Tunnel Average Daily Traffic Volumes Total of Both Directions



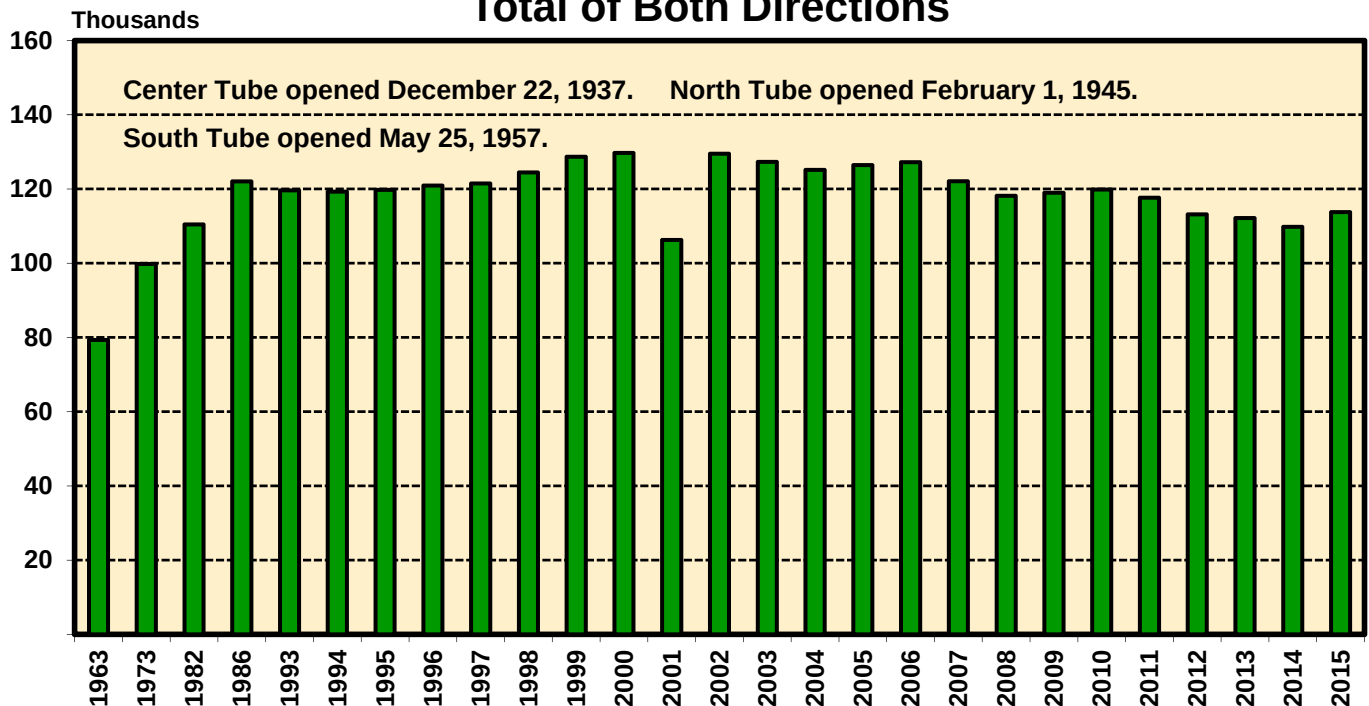
Following 9/11/2001, Holland Tunnel daily traffic volume fell 57% compared to fall 2000. Inbound volume was down 75%; outbound down 40%.

New York – New Jersey Screenline Volumes

Lincoln Tunnel ~ 2015 Hourly Vehicular Volumes



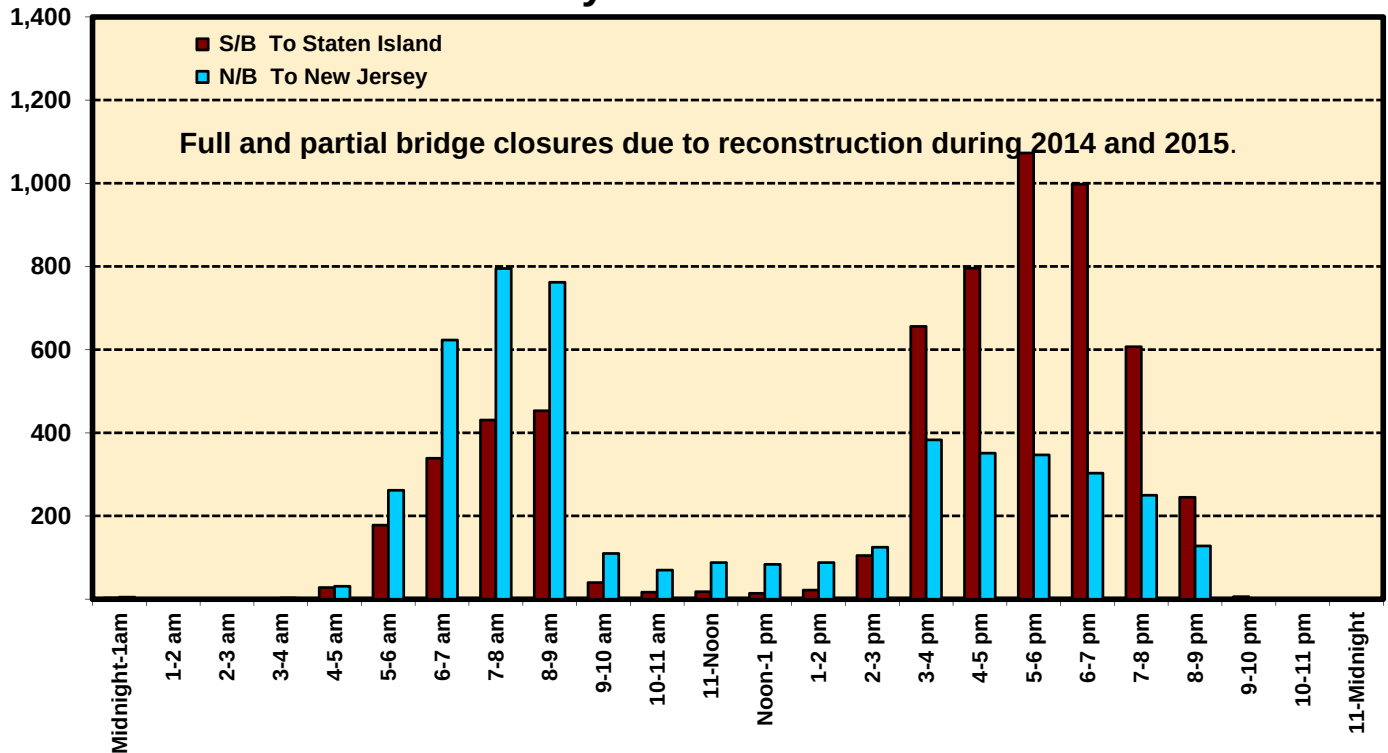
Lincoln Tunnel Average Daily Traffic Volumes Total of Both Directions



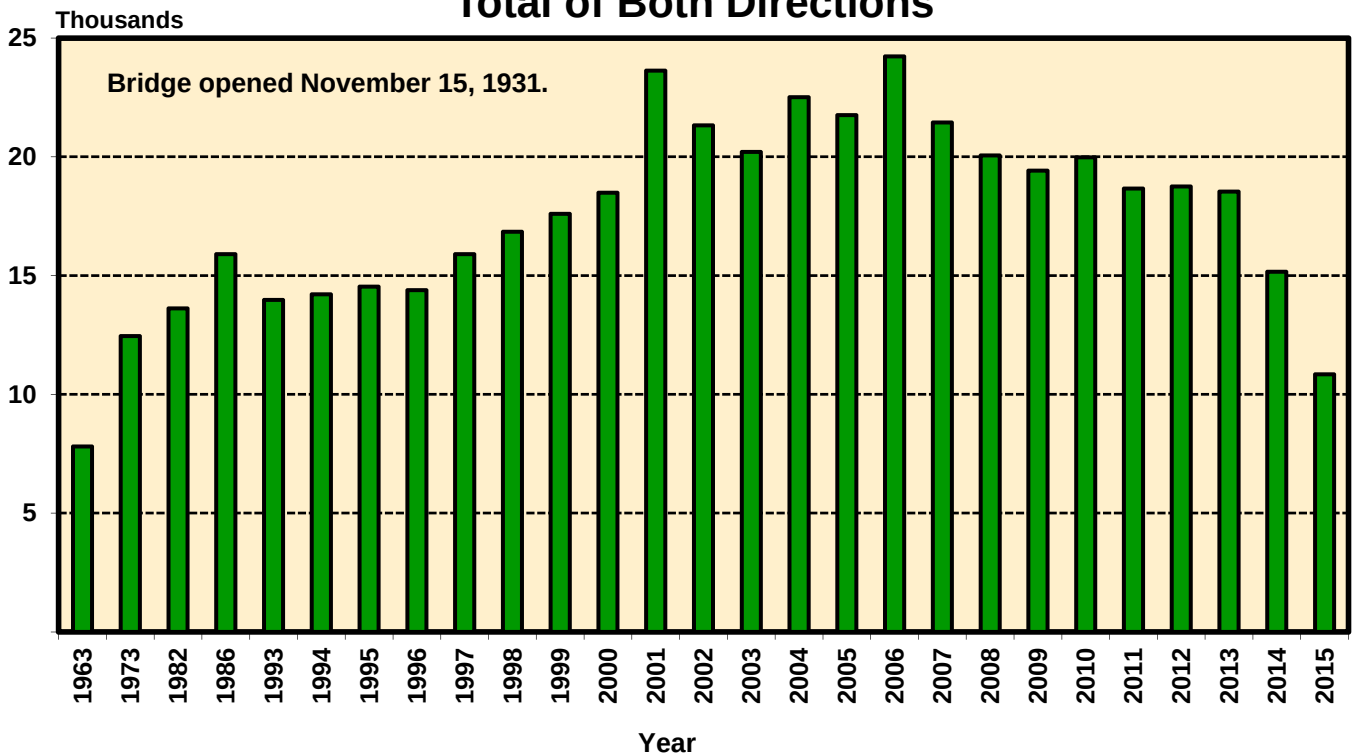
Following 9/11/2001, Lincoln Tunnel daily traffic volume fell 18% compared to fall 2000. Inbound volume was down 13%; outbound down 23%.

New York – New Jersey Screenline Volumes

Bayonne Bridge ~ 2015 Hourly Vehicular Volumes

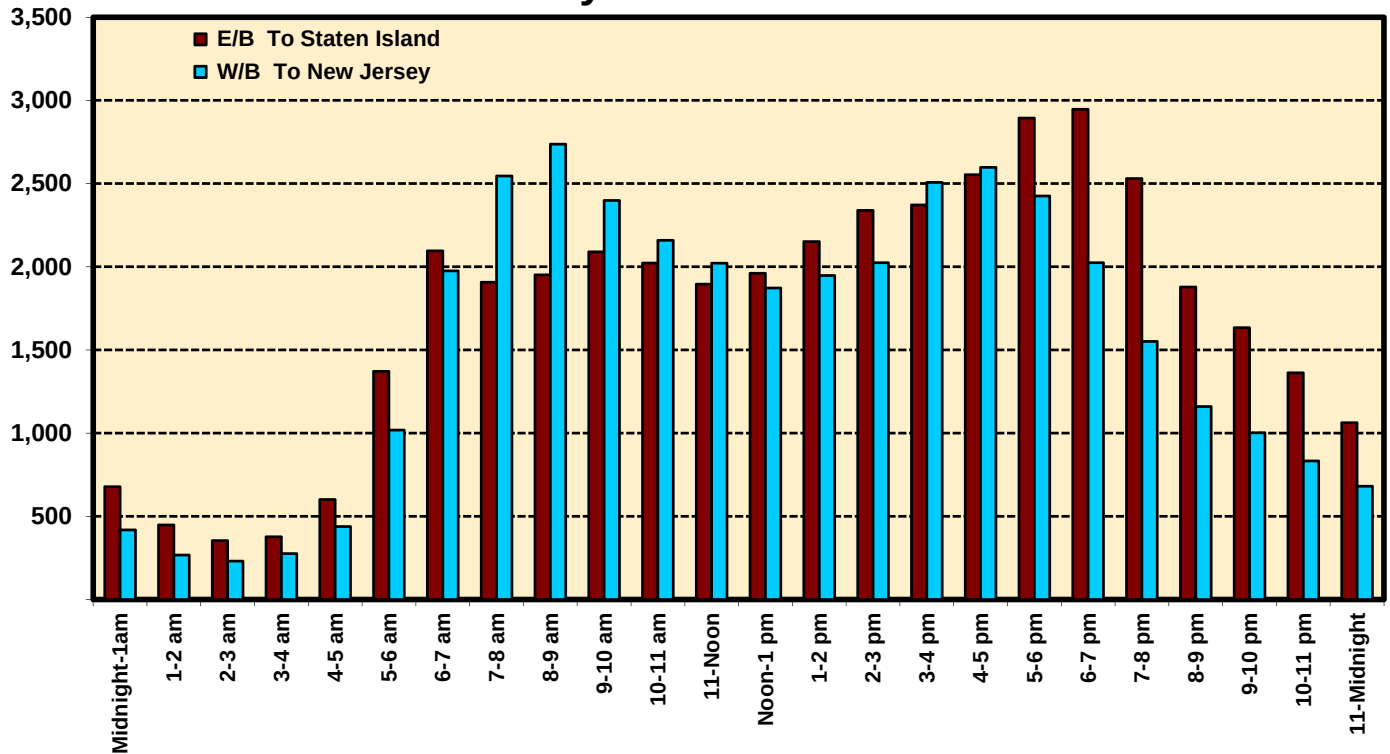


Bayonne Bridge Average Daily Traffic Volumes Total of Both Directions

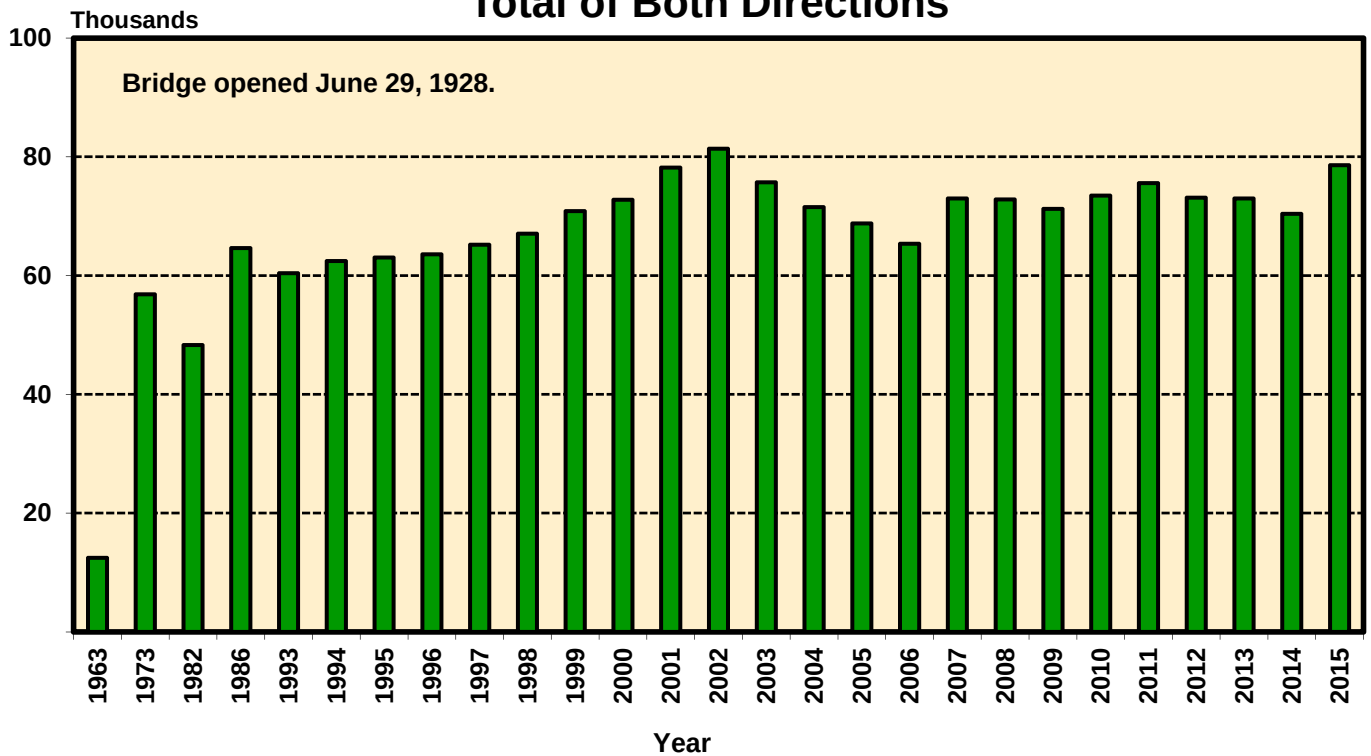


New York – New Jersey Screenline Volumes

Goethals Bridge ~ 2015 Hourly Vehicular Volumes

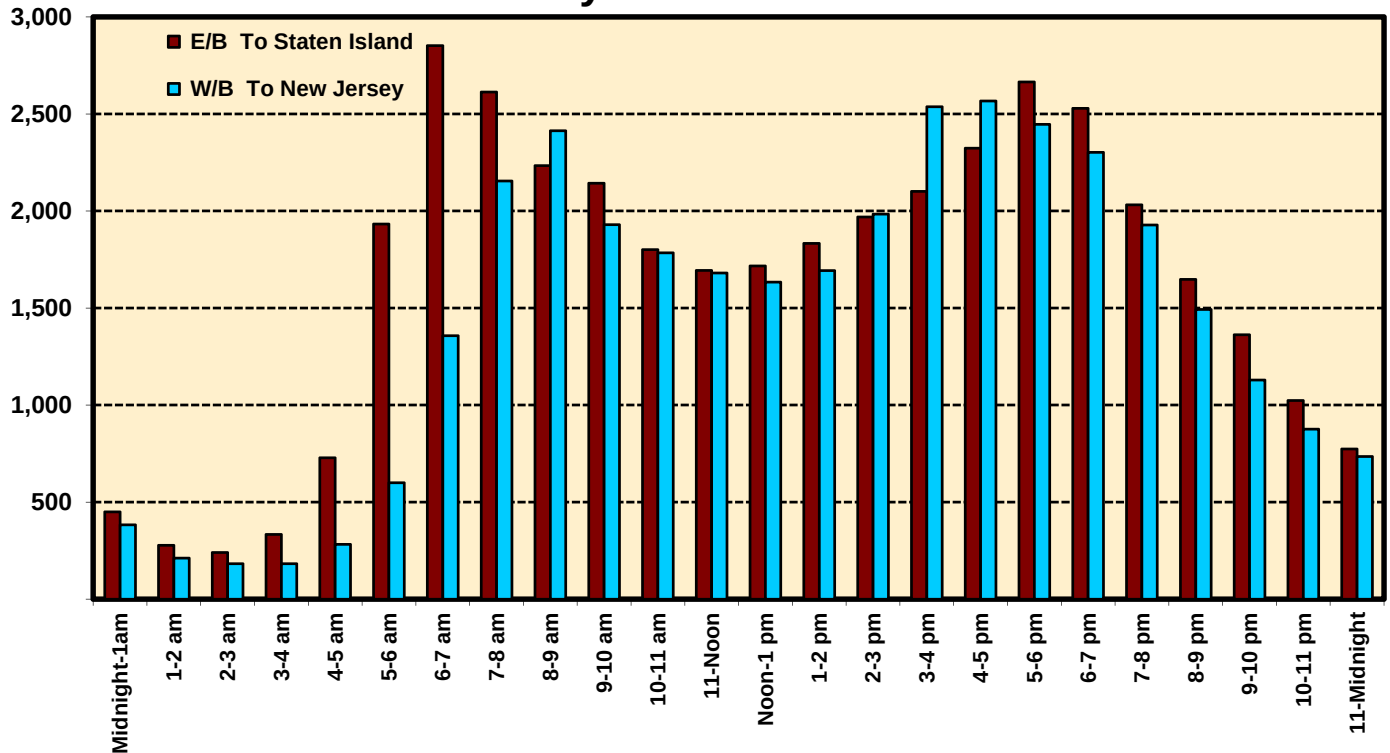


Goethals Bridge Average Daily Traffic Volumes Total of Both Directions

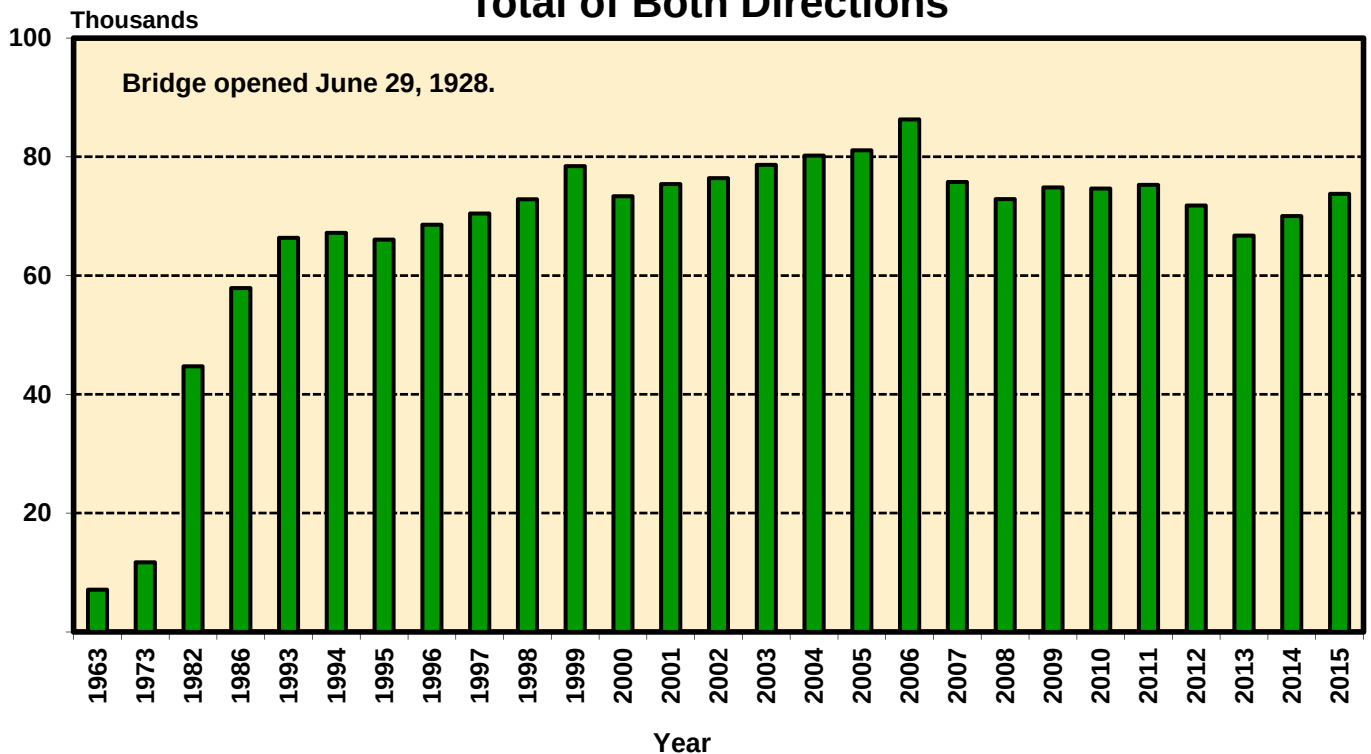


New York – New Jersey Screenline Volumes

Outerbridge Crossing ~ 2015 Hourly Vehicular Volumes



Outerbridge Crossing Average Daily Traffic Volumes Total of Both Directions



Brooklyn-Queens Screenline



**Atlantic Avenue at Brooklyn-Queens Screenline
Looking East**

BROOKLYN - QUEENS SCREENLINE

Newtown Creek Bridges

In 1963, average two-way total daily volume on the four Newtown Creek bridges was 160,400.

- The Kosciuszko Bridge carried the bulk of that traffic, 102,190 daily vehicles (63.7% of the total).
- The Grand Street Bridge served 12,020 daily vehicles (7.5% of the total).
- 17,630 daily vehicles (11.0%) used the J.J. Byrne Memorial Bridge (Greenpoint Avenue Bridge).
- The Pulaski Bridge was the route of 28,560 vehicles per day (17.8%).

1963 – 1973 Newtown Creek Bridges

Between 1963 and 1973, Newtown Creek crossings increased 4.8% to 168,037 vehicles per day, 7,637 more than ten years earlier.

- The Kosciuszko Bridge remained the most-traveled facility, although its volume decreased to 99,044 daily vehicles, 3.1% fewer than in 1963.
- The Grand Street Bridge volume decreased 2.5%, to 11,723 daily vehicles in 1973 from 12,020 in 1963.
- Traffic using the J.J. Byrne Memorial Bridge (Greenpoint Avenue Bridge) increased 52.0%, to 26,798 daily vehicles in 1973 from 17,630 in 1963.
- Pulaski Bridge daily traffic increased 6.7%, to 30,472 from 28,560.

1973 – 1982 Newtown Creek Bridges

Between 1973 and 1982, Newtown Creek vehicular crossings increased 7.0% to 179,788 vehicles per day from 168,037.

- Growth was concentrated solely on the Kosciuszko Bridge, where daily volume increased 30.8% to 129,553 in 1982 from 99,044 in 1973.
- Daily volumes decreased on the other three bridges: Grand Street Bridge down 21.5% to 9,203; J.J. Byrne (Greenpoint Avenue) Bridge down 33.2% to 17,898; and Pulaski Bridge down 24.1% to 23,134.

1982 – 1986 Newtown Creek Bridges

From 1982 to 1986, traffic over Newtown Creek increased rapidly, by 25.0% to 224,816 daily vehicles in 1986 from 179,788 in 1982, with increases occurring on three of the four bridges.

- Kosciuszko Bridge traffic increased 29.9%, to 168,314 daily vehicles in 1986 from 129,553 in 1982.
- Grand Street Bridge traffic increased 24.0%, to 11,413 daily vehicles from 9,203.
- Pulaski Bridge traffic increased 32.9%, to 30,751 daily vehicles from 23,134.
- The only decrease was on the J.J. Byrne (Greenpoint Avenue) Bridge, where daily traffic was 19.9% less in 1986 than in 1982 (14,338 daily vehicles vs. 17,898).

1986 – 1995 Newtown Creek Bridges

Growth slowed between 1986 and 1995, as traffic crossing Newtown Creek increased 5.6% during that nine-year period, to 237,305 daily vehicles in 1995 from 224,816 in 1986.

- Growth was concentrated at the J.J. Byrne Memorial Bridge, where traffic increased 87.9%, to 26,936 daily vehicles in 1995 from 14,338 in 1986.
- Grand Street Bridge traffic increased 16.1%, to 13,250 daily vehicles in 1995 from 11,413 in 1986.
- Kosciuszko Bridge traffic increased just 0.2%, to 168,639 daily vehicles from 168,314.
- Pulaski Bridge traffic decreased 7.4%, to 28,480 daily vehicles from 30,751.

1995 – 2005 Newtown Creek Bridges

Faster growth resumed between 1995 and 2005, as Newtown Creek crossings increased 18.1%, to 280,189 daily vehicles in 2005 from 237,305 in 1995.

- The largest numerical increase occurred on the Kosciuszko Bridge, where daily volume increased to 198,813 in 2005 from 168,639 in 1995 (+17.9%).
- The largest percentage increase occurred on the Pulaski Bridge, where daily volume increased 36.6%, to 38,911 from 28,480.

2005 – 2015 Newtown Creek Bridges

During the most recent ten-year period, Newtown Creek crossings decreased 7.0%, to 260,529 daily vehicles in 2015 from 280,189 in 2005.

- The largest decrease occurred on the Kosciuszko Bridge: decrease of 19,676 daily vehicles, to 179,137 in 2015 from 198,813 in 2005 (-9.9%).

1963 – 2015 Newtown Creek Bridges

During the 52 years from 1963 to 2015, traffic crossing Newtown Creek increased 62.4%, to 260,529 daily vehicles in 2015 from 160,400 in 1963.

- Volumes increased on all four crossings.
- Kosciuszko Bridge traffic increased 75.3%, to 179,137 daily vehicles in 2015 from 102,190 in 1963.
- J.J. Byrne Memorial Bridge traffic increased 60.9%, to 28,361 daily vehicles from 17,630.
- Pulaski Bridge traffic increased 41.8%, to 40,485 daily vehicles from 28,560.
- Grand Street Bridge traffic increased 4.4%, to 12,546 daily vehicles from 12,020.

Other Brooklyn – Queens Screenline Facilities

Volumes on eleven facilities other than the Newtown Creek Bridges were collected at the Brooklyn - Queens screenline for the first time in 1993.

- Total volume on the eleven monitored facilities was 288,774 vehicles per day.

- The highest recorded volumes were on the two limited access facilities, Shore Parkway (Belt Parkway) and Jackie Robinson Parkway.
 - Shore Parkway (Belt Parkway) carried 135,706 daily vehicles, 47.0% of the total monitored traffic.
 - 52,332 daily vehicles (18.1% of the total) used the Jackie Robinson Parkway.
- The highest surface arterial volumes were on Linden Boulevard (44,441 daily vehicles), and on Atlantic Avenue (27,485 daily vehicles).

1993 – 2005 Other Brooklyn – Queens Screenline Facilities

Daily volumes on these eleven facilities increased 15.9%, to 334,703 daily vehicles in 2005 from 288,774 in 1993.

- Increases on nine of the eleven facilities.
- Jackie Robinson Parkway traffic increased 40.5%, to 73,527 vehicles per day in 2005 from 52,332 in 1993.
- Traffic on Shore Parkway (Belt Parkway) increased 12.1%, to 152,126 daily vehicles in 2005 from 135,706 in 1993.

2005 – 2015 Other Brooklyn – Queens Screenline Facilities

From 2005 to 2015, total volumes on these eleven facilities decreased 0.2%, to 334,005 daily vehicles in 2015 from 334,703 in 2005.

- The largest increase occurred on Shore Parkway (Belt Parkway), an increase of 14,205 daily vehicles, to 166,331 in 2015 from 152,126 in 2005 (+9.3%).
- Linden Boulevard traffic decreased 13.4%, to 43,183 daily vehicles in 2015 from 49,887 in 2005.
- Jackie Robinson Parkway traffic decreased 7.5%, to 68,017 daily vehicles from 73,527.

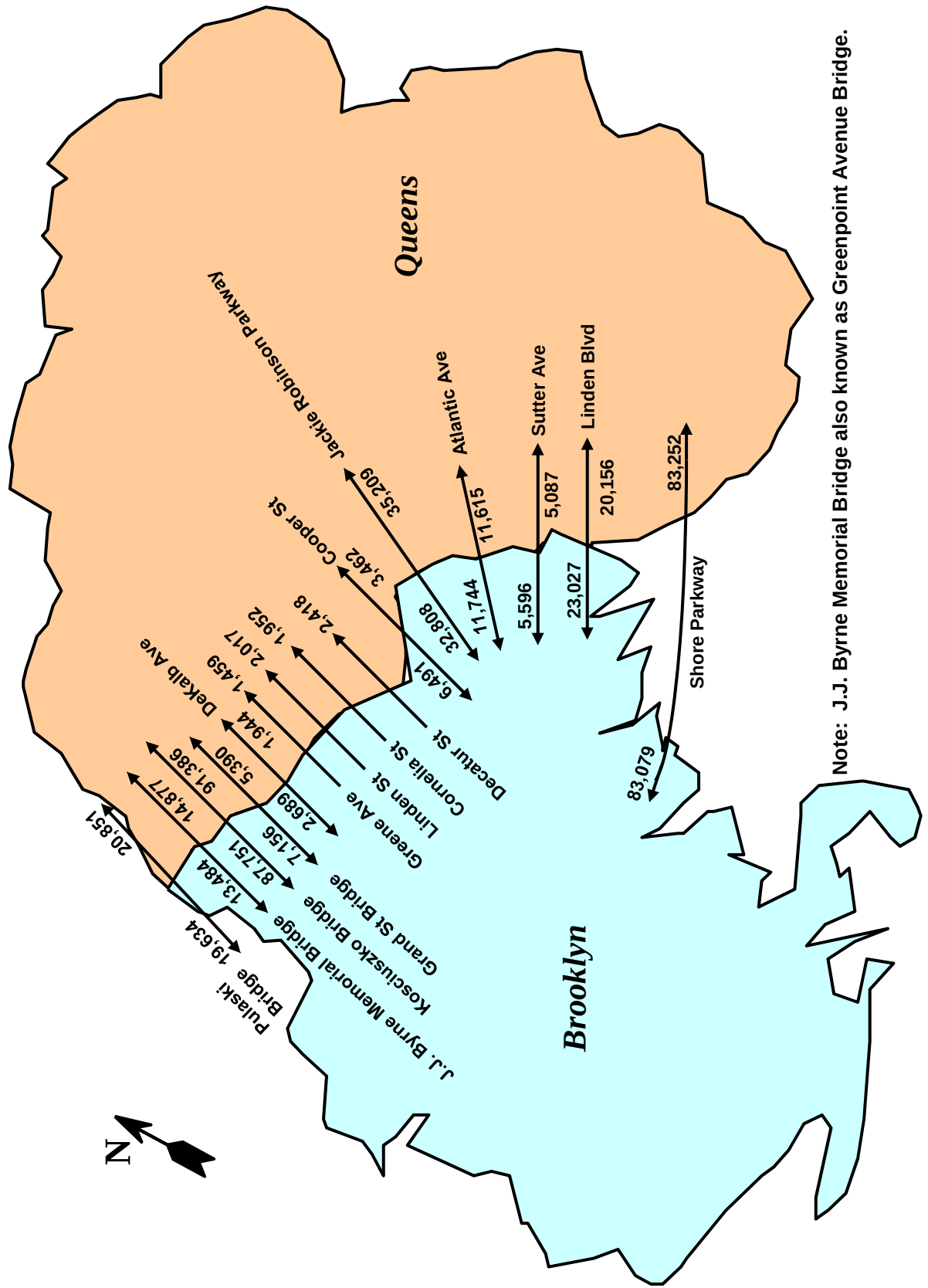
1993 – 2015 Other Brooklyn – Queens Screenline Facilities

During the 22 years from 1993 to 2015, total daily volumes on these eleven facilities increased by 15.7%, to 334,005 in 2015 from 288,774 in 1993.

- The largest increase was on Shore Parkway (Belt Parkway): up 22.6% to 166,331 daily vehicles in 2015 from 135,706 in 1993.
- The largest decrease was on Atlantic Avenue: down 15.0%, to 23,359 daily vehicles from 27,485, a decrease of 4,126 daily vehicles.

Brooklyn - Queens Screenline

2015 Daily Volumes Shown



Note: J.J. Byrne Memorial Bridge also known as Greenpoint Avenue Bridge.

Brooklyn-Queens Screenline Historical Comparisons Average Daily Traffic Volumes

To Brooklyn

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Grand Street Bridge	N/A	N/A	5,216	6,414	7,018	7,212	7,600	6,916	7,078	7,831	7,862	7,747	7,729	7,447	8,356
J.J. Byrne Memorial Bridge	N/A	11,336	8,048	7,276	13,304	13,526	13,737	13,368	12,660	12,863	12,351	12,741	12,993	12,375	14,445
Kosciuszko Bridge	N/A	43,118	63,426	81,363	78,371	81,000	81,356	79,729	89,222	92,765	97,690	101,852	97,242	90,607	96,153
Pulaski Bridge	N/A	13,617	9,906	15,447	13,003	13,182	14,436	14,926	15,737	16,076	15,724	17,993	19,292	18,667	19,465
Newtown Creek Totals	N/A	86,596	110,500	111,696	114,920	117,129	114,939	124,697	129,535	133,627	140,333	137,256	129,096	138,419	
Atlantic Ave	N/A	N/A	N/A	N/A	13,940	13,394	14,016	12,767	13,951	14,231	15,071	14,850	14,182	14,687	14,150
Cooper St	N/A	N/A	N/A	N/A	4,558	5,010	4,929	4,841	5,220	5,460	5,611	5,942	5,756	5,741	6,001
Cornelia St	N/A	N/A	N/A	N/A	One-Way to Queens										
Decatur St	N/A	N/A	N/A	N/A	One-Way to Queens										
DeKalb Ave	N/A	N/A	N/A	N/A	3,163	3,010	3,166	2,879	3,234	2,283	2,515	2,746	2,563	3,428	3,566
Greene Ave	N/A	N/A	N/A	N/A	One-Way to Queens										
Jackie Robinson Pky	N/A	N/A	N/A	N/A	24,460	27,163	27,323	29,318	30,169	31,808	33,198	34,441	35,760	37,175	36,445
Linden Blvd	N/A	N/A	N/A	N/A	22,724	23,305	23,248	24,324	26,472	24,758	27,165	26,299	27,130	27,698	25,717
Linden St	N/A	N/A	N/A	N/A	One-Way to Queens										
Shore Pky	N/A	N/A	N/A	N/A	65,341	71,124	71,538	72,633	73,618	74,085	73,484	76,366	75,478	69,587	75,682
Sutter Ave	N/A	N/A	N/A	N/A	3,178	3,130	3,158	3,010	3,695	3,638	3,670	3,776	3,821	3,851	4,090
Other Totals	N/A	N/A	N/A	N/A	137,364	146,136	147,378	149,772	156,359	156,263	160,714	164,420	164,690	162,167	165,651
Grand Totals	N/A	N/A	N/A	N/A	249,060	261,056	264,507	264,711	281,056	285,798	294,341	304,753	301,946	291,263	304,070

To Brooklyn

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Grand Street Bridge	7,465	6,455	6,920	6,858	7,378	7,134	7,268	7,231	7,272	9,103	8,216	7,156
J.J. Byrne Memorial Bridge	13,509	13,951	14,318	13,453	12,756	12,753	13,016	12,238	12,436	12,178	13,107	13,484
Kosciuszko Bridge	92,556	94,830	86,969	91,026	87,257	91,267	91,098	91,471	96,950	91,360	88,452	87,751
Pulaski Bridge	19,923	19,431	18,500	18,417	18,295	17,881	18,166	19,288	18,258	19,393	20,126	19,634
Newtown Creek Totals	133,453	134,667	126,707	129,754	125,686	129,035	129,548	130,228	134,916	132,034	129,901	128,025
Atlantic Ave	14,693	12,611	12,095	11,180	10,947	10,776	11,265	11,913	11,655	12,570	12,571	11,744
Cooper St	5,832	6,160	5,921	5,565	6,025	6,216	6,357	5,910	6,109	6,335	5,884	6,491
Cornelia St	One-Way to Queens											
Decatur St	One-Way to Queens											
DeKalb Ave	3,697	3,583	3,109	3,016	3,061	2,986	2,869	2,904	3,121	2,628	2,804	2,689
Greene Ave	One-Way to Queens											
Jackie Robinson Pky	35,680	36,037	34,799	34,804	33,302	33,337	34,419	32,734	32,266	33,986	32,993	32,808
Linden Blvd	27,251	28,195	27,119	25,993	23,784	23,209	26,718	22,798	23,132	23,854	23,497	23,027
Linden St	One-Way to Queens											
Shore Pky	76,608	76,393	79,763	81,339	79,589	81,737	77,981	74,208	78,936	84,633	81,366	83,079
Sutter Ave	4,137	4,810	4,218	4,685	4,896	5,075	5,332	5,109	5,244	5,730	5,979	5,596
Other Totals	167,898	167,789	167,024	166,582	161,604	163,336	164,941	155,576	160,463	169,736	165,094	165,434
Grand Totals	301,351	302,456	293,731	296,336	287,290	292,371	294,489	285,804	295,379	301,770	294,995	293,459

Note: J.J. Byrne Memorial Bridge also known as Greenpoint Avenue Bridge.

Brooklyn-Queens Screenline Historical Comparisons Average Daily Traffic Volumes (continued)

To Queens

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Grand Street Bridge	N/A	N/A	3,987	4,999	5,430	5,963	5,650	5,466	5,797	7,497	6,528	7,761	6,166	5,641	5,783
J.J. Byrne Memorial Bridge	N/A	15,462	9,850	7,062	12,397	12,803	13,199	13,160	12,277	12,741	14,262	13,402	13,773	13,931	14,310
Kosciuszko Bridge	N/A	55,926	66,127	86,951	88,221	85,354	87,283	90,775	99,988	102,427	97,094	99,020	99,323	93,772	98,344
Pulaski Bridge	N/A	16,855	13,228	15,304	12,276	12,617	14,044	15,412	15,826	16,124	15,251	19,428	19,770	19,681	18,881
Newtown Creek Totals	N/A	93,192	114,316	118,324	116,737	120,176	124,813	133,888	138,789	133,135	139,611	139,032	133,025	137,318	
Atlantic Ave	N/A	N/A	N/A	N/A	13,545	15,026	15,005	14,166	14,425	14,315	14,728	14,264	13,713	14,249	14,336
Cooper St	N/A	N/A	N/A	N/A	5,199	5,431	5,649	6,132	3,886	3,598	3,702	3,663	3,761	3,533	3,140
Cornelia St	N/A	N/A	N/A	N/A	1,552	1,425	1,529	1,443	1,522	1,454	1,787	1,905	1,936	2,032	1,908
Decatur St	N/A	N/A	N/A	N/A	1,921	2,163	2,112	2,306	2,220	2,242	2,099	2,113	2,082	2,237	2,342
DeKalb Ave	N/A	N/A	N/A	N/A	2,117	2,381	2,297	2,311	2,481	2,316	2,588	2,372	2,347	2,464	2,544
Greene Ave	N/A	N/A	N/A	N/A	1,762	1,711	1,810	1,787	1,872	2,223	1,922	1,947	1,962	2,078	2,363
Jackie Robinson Pky	N/A	N/A	N/A	N/A	27,872	31,458	33,751	31,483	31,615	32,020	33,420	36,932	36,920	37,545	37,261
Linden Blvd	N/A	N/A	N/A	N/A	21,717	23,408	25,704	26,562	27,160	23,924	26,630	25,901	25,160	25,439	25,393
Linden St	N/A	N/A	N/A	N/A	1,063	2,315	2,360	2,552	2,400	2,420	2,439	2,477	2,544	2,609	2,270
Shore Pky	N/A	N/A	N/A	N/A	70,365	69,679	68,627	72,369	73,776	73,754	73,969	73,588	76,440	70,576	74,358
Sutter Ave	N/A	N/A	N/A	N/A	4,297	3,846	3,827	3,729	3,750	3,871	4,022	4,096	4,291	4,498	4,704
Other Totals	N/A	N/A	N/A	N/A	151,410	158,843	162,671	164,840	165,107	162,137	167,306	169,258	171,156	167,260	170,619
Grand Totals	N/A	N/A	N/A	N/A	269,734	275,580	282,847	289,653	298,995	300,926	300,441	308,869	310,188	300,285	307,937

To Queens

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Grand Street Bridge	5,994	6,561	5,973	5,727	5,653	5,442	5,394	5,089	5,323	4,740	5,446	5,390
J.J. Byrne Memorial Bridge	14,928	15,498	15,522	13,574	14,170	13,884	13,700	13,471	13,943	13,523	14,729	14,877
Kosciuszko Bridge	101,056	103,983	97,372	95,467	94,526	97,055	99,655	100,153	99,267	99,865	95,573	91,386
Pulaski Bridge	20,223	19,480	19,724	18,804	18,724	18,222	18,815	18,134	18,609	19,683	20,279	20,851
Newtown Creek Totals	142,201	145,522	138,591	133,572	133,073	134,603	137,564	136,847	137,142	137,811	136,027	132,504
Atlantic Ave	13,903	13,349	11,961	11,066	10,613	10,701	12,081	12,006	11,967	12,642	11,944	11,615
Cooper St	3,388	3,622	3,372	3,378	3,477	3,482	3,688	3,077	3,425	3,362	3,172	3,462
Cornelia St	1,844	1,787	1,660	1,727	1,753	1,847	1,848	1,723	1,768	1,872	1,743	1,952
Decatur St	2,332	2,003	2,247	2,059	2,203	2,091	2,101	2,226	2,087	2,222	2,326	2,418
DeKalb Ave	2,607	2,626	2,197	2,258	2,341	2,548	2,229	2,230	2,154	2,140	1,968	1,944
Greene Ave	2,029	1,551	1,854	1,733	1,883	1,887	1,655	1,555	1,520	1,505	1,316	1,459
Jackie Robinson Pky	38,624	37,490	36,034	35,893	34,433	34,140	34,701	34,563	34,996	35,477	34,912	35,209
Linden Blvd	24,502	21,692	24,950	23,429	22,937	21,255	22,077	21,385	21,936	22,581	21,500	20,156
Linden St	2,161	2,123	2,192	2,012	1,992	1,936	1,938	1,776	1,923	2,015	2,027	2,017
Shore Pky	74,997	75,733	78,046	83,142	83,850	81,070	77,631	66,426	73,021	79,607	78,938	83,252
Sutter Ave	4,595	4,938	4,401	4,411	4,286	4,349	4,757	4,579	4,537	4,803	5,013	5,087
Other Totals	170,982	166,914	168,914	171,108	169,768	165,306	164,706	151,546	159,034	168,226	164,859	168,571
Grand Totals	313,183	312,436	307,505	304,680	302,841	299,909	302,270	288,393	296,176	306,037	300,886	301,075

Note: J.J. Byrne Memorial Bridge also known as Greenpoint Avenue Bridge.

Brooklyn-Queens Screenline Historical Comparisons Average Daily Traffic Volumes (continued)

Both Directions

	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Grand Street Bridge	12,020	11,723	9,203	11,413	12,448	13,175	13,250	12,382	12,875	15,328	14,390	15,508	13,895	13,088	14,139
J.J. Byrne Memorial Bridge	17,630	26,798	17,898	14,338	25,701	26,329	26,936	26,528	24,937	25,604	26,613	26,143	26,766	26,306	28,755
Kosciuszko Bridge	102,190	99,044	129,553	168,314	166,592	166,354	168,639	170,504	189,210	195,192	194,784	200,872	196,565	184,379	194,497
Pulaski Bridge	28,560	30,472	23,134	30,751	25,279	25,799	28,480	30,338	31,563	32,200	30,975	37,421	39,062	38,348	38,346
Newtown Creek Totals	160,400	168,037	179,788	224,816	230,020	231,657	237,305	239,752	258,585	268,324	266,762	279,944	276,288	262,121	275,737
Atlantic Ave	N/A	N/A	N/A	N/A	27,485	28,420	29,021	26,933	28,376	28,546	29,799	29,114	27,895	28,936	28,486
Cooper St	N/A	N/A	N/A	N/A	9,757	10,441	10,578	10,973	9,106	9,058	9,313	9,605	9,517	9,274	9,141
Cornelia St	N/A	N/A	N/A	N/A	1,552	1,425	1,529	1,443	1,522	1,454	1,787	1,905	1,936	2,032	1,908
Decatur St	N/A	N/A	N/A	N/A	1,921	2,163	2,112	2,306	2,220	2,242	2,099	2,113	2,082	2,237	2,342
DeKalb Ave	N/A	N/A	N/A	N/A	5,280	5,391	5,463	5,190	5,715	4,599	5,103	5,118	4,910	5,892	6,110
Greene Ave	N/A	N/A	N/A	N/A	1,762	1,711	1,810	1,787	1,872	2,223	1,922	1,947	1,962	2,078	2,363
Jackie Robinson Pky	N/A	N/A	N/A	N/A	52,332	58,621	61,074	60,801	61,784	63,828	66,618	71,373	72,680	74,720	73,706
Linden Blvd	N/A	N/A	N/A	N/A	44,441	46,713	48,952	50,886	53,632	48,682	53,795	52,200	52,290	53,137	51,110
Linden St	N/A	N/A	N/A	N/A	1,063	2,315	2,360	2,552	2,400	2,420	2,439	2,477	2,544	2,609	2,270
Shore Pky	N/A	N/A	N/A	N/A	135,706	140,803	140,165	145,002	147,394	147,839	147,453	149,954	151,918	140,163	150,040
Sutter Ave	N/A	N/A	N/A	N/A	7,475	6,976	6,985	6,739	7,445	7,509	7,692	7,872	8,112	8,349	8,794
Other Totals	N/A	N/A	N/A	N/A	288,774	304,979	310,049	314,612	321,466	318,400	328,020	333,678	335,846	329,427	336,270
Grand Totals	N/A	N/A	N/A	N/A	518,794	536,636	547,354	554,364	580,051	586,724	594,782	613,622	612,134	591,548	612,007

Both Directions

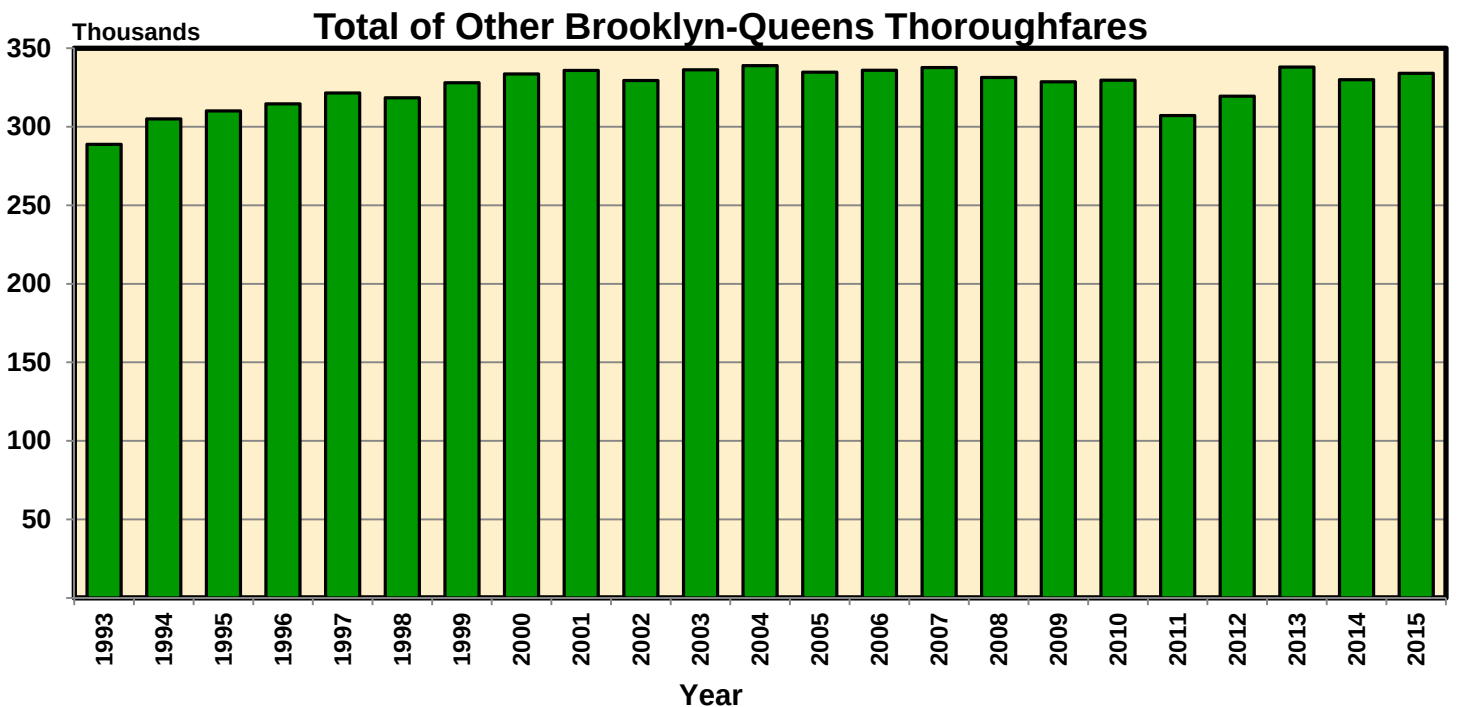
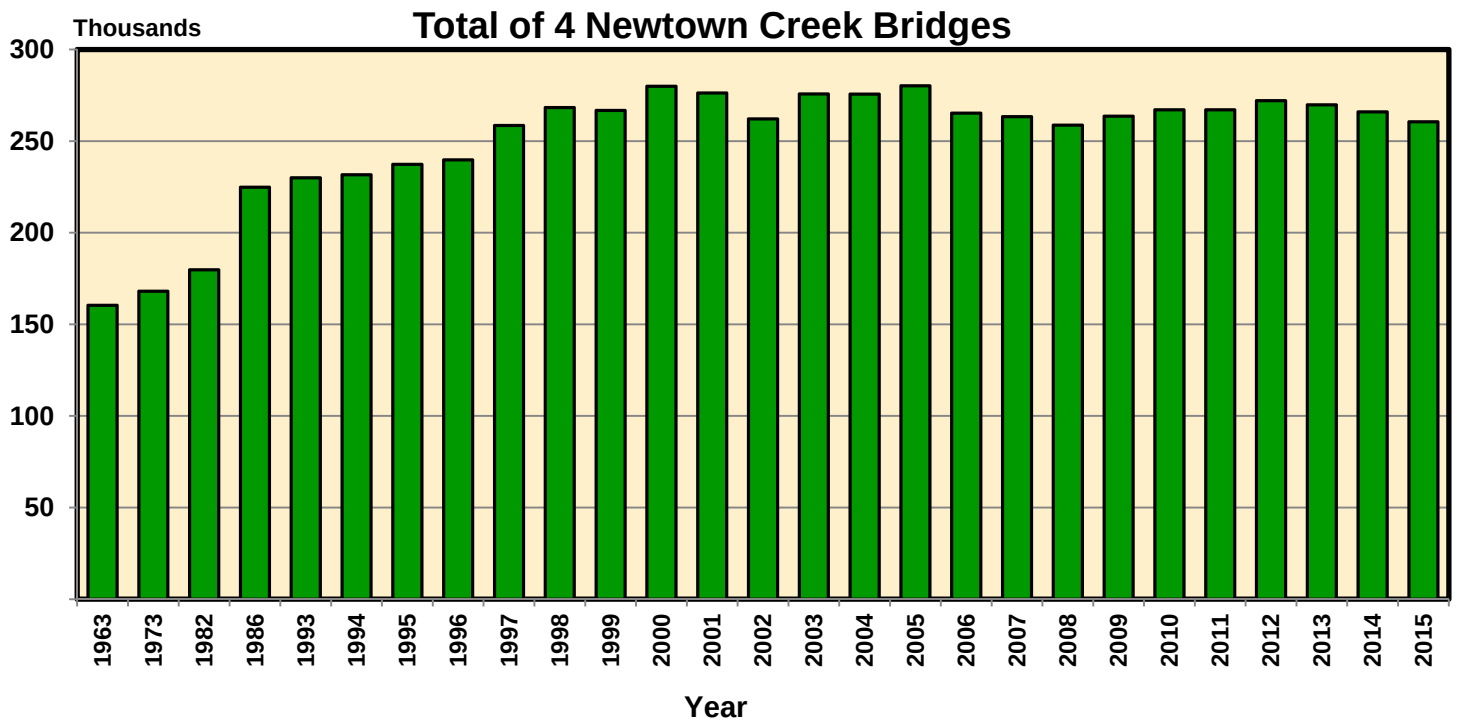
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Grand Street Bridge	13,459	13,016	12,893	12,585	13,031	12,576	12,662	12,320	12,595	13,843	13,662	12,546
J.J. Byrne Memorial Bridge	28,437	29,449	29,840	27,027	26,926	26,637	26,716	25,709	26,379	25,701	27,836	28,361
Kosciuszko Bridge	193,612	198,813	184,341	186,493	181,783	188,322	190,753	191,624	196,217	191,225	184,025	179,137
Pulaski Bridge	40,146	38,911	38,224	37,221	37,019	36,103	36,981	37,422	36,867	39,076	40,405	40,485
Newtown Creek Totals	275,654	280,189	265,298	263,326	258,759	263,638	267,112	267,075	272,058	269,845	265,928	260,529
Atlantic Ave	28,596	25,960	24,056	22,246	21,560	21,477	23,346	23,919	23,622	25,212	24,515	23,359
Cooper St	9,220	9,782	9,293	8,943	9,502	9,698	10,045	8,987	9,534	9,697	9,056	9,953
Cornelia St	1,844	1,787	1,660	1,727	1,753	1,847	1,848	1,723	1,768	1,872	1,743	1,952
Decatur St	2,332	2,003	2,247	2,059	2,203	2,091	2,101	2,226	2,087	2,222	2,326	2,418
DeKalb Ave	6,304	6,209	5,306	5,274	5,402	5,534	5,098	5,134	5,275	4,768	4,772	4,633
Greene Ave	2,029	1,551	1,854	1,733	1,887	1,887	1,655	1,555	1,520	1,505	1,316	1,459
Jackie Robinson Pky	74,304	73,527	70,833	70,697	67,735	67,477	69,120	67,297	66,962	69,463	67,905	68,017
Linden Blvd	51,753	49,887	52,069	49,422	46,721	44,464	48,795	44,183	45,068	46,435	44,997	43,183
Linden St	2,161	2,123	2,192	2,012	1,992	1,936	1,938	1,776	1,923	2,015	2,027	2,017
Shore Pky	151,605	152,126	157,809	164,481	163,439	162,807	155,612	140,634	151,957	164,240	160,304	166,331
Sutter Ave	8,732	9,748	8,619	9,096	9,182	9,424	10,089	9,688	9,781	10,533	10,992	10,683
Other Totals	338,880	334,703	335,938	337,690	331,372	328,642	329,647	307,122	319,497	337,962	329,953	334,005
Grand Totals	614,534	614,892	601,236	601,016	590,131	592,280	596,759	574,197	591,555	607,807	595,881	594,534

Note: J.J. Byrne Memorial Bridge also known as Greenpoint Avenue Bridge.

Brooklyn – Queens Screenline

Historical Comparisons

Average Daily Traffic Volumes ~ Total of Both Directions



2015 Screenline Volumes Brooklyn - Queens

	Grand Street Bridge		J.J. Byrne Memorial Bridge**		Kosciuszko Bridge		Pulaski Bridge		Newtown Creek Totals	
	W/B*	E/B	W/B*	E/B	W/B*	E/B	S/B*	N/B	To Brooklyn	To Queens
Mid-1am	61	80	122	209	2,192	2,745	417	395	2,792	3,429
1-2am	59	47	86	149	1,521	1,923	284	294	1,950	2,413
2-3am	43	38	84	125	1,185	1,408	188	205	1,500	1,776
3-4am	67	55	108	146	1,207	1,358	182	206	1,564	1,765
4-5am	106	67	177	162	2,209	1,959	228	286	2,720	2,474
5-6am	267	180	397	361	4,362	3,424	388	655	5,414	4,620
6-7am	491	206	908	698	4,766	4,633	667	1,135	6,832	6,672
7-8am	621	240	1,175	886	4,728	4,809	1,038	1,455	7,562	7,390
8-9am	595	256	1,092	846	4,233	4,680	1,133	1,456	7,053	7,238
9-10am	519	257	997	755	4,152	4,569	978	1,169	6,646	6,750
10-11am	442	266	829	686	4,083	4,460	987	1,015	6,341	6,427
11-Noon	410	273	736	731	4,014	4,411	912	1,013	6,072	6,428
Noon-1	378	326	714	740	4,082	4,499	952	1,079	6,126	6,644
1-2pm	409	355	703	869	4,262	4,525	937	1,087	6,311	6,836
2-3pm	423	355	729	943	4,244	4,573	1,105	1,163	6,501	7,034
3-4pm	452	432	814	1,083	4,109	4,542	1,377	1,230	6,752	7,287
4-5pm	483	452	934	1,123	4,125	4,495	1,511	1,264	7,053	7,334
5-6pm	403	492	855	1,108	4,057	4,519	1,495	1,276	6,810	7,395
6-7pm	281	406	619	869	4,349	4,441	1,240	1,049	6,489	6,765
7-8pm	184	213	404	648	4,407	4,389	895	903	5,890	6,153
8-9pm	133	125	315	524	4,153	4,301	828	707	5,429	5,657
9-10pm	121	89	268	520	4,133	4,339	685	647	5,207	5,595
10-11pm	115	69	230	350	3,944	3,340	645	587	4,934	4,346
11-Mid	93	111	188	346	3,234	3,044	562	575	4,077	4,076
24 hr Total	7,156	5,390	13,484	14,877	87,751	91,386	19,634	20,851	128,025	132,504
6-10am	2,226	959	4,172	3,185	17,879	18,691	3,816	5,215	28,093	28,050
10am-1pm	1,230	865	2,279	2,157	12,179	13,370	2,851	3,107	18,539	19,499
1-3pm	832	710	1,432	1,812	8,506	9,098	2,042	2,250	12,812	13,870
3-7pm	1,619	1,782	3,222	4,183	16,640	17,997	5,623	4,819	27,104	28,781
6am-7pm	5,907	4,316	11,105	11,337	55,204	59,156	14,332	15,391	86,548	90,200

* To Brooklyn

** J.J. Byrne Memorial Bridge also known as Greenpoint Avenue Bridge.

2015 Screenline Volumes Brooklyn - Queens (cont'd)

	Atlantic Ave		Cooper St		Cornelia St		Decatur St		DeKalb Ave		Greene Ave		Jackie Robinson Parkway	
	W/B*	E/B	S/B*	N/B	One Way to Queens		N/B	One Way to Queens		S/B*	N/B	N/B	W/B*	E/B
Mid-1am	166	190	76	37			34			25	24	20	541	504
1-2am	111	136	52	26			21			20	15	13	267	309
2-3am	80	87	35	23			15			17	13	10	188	258
3-4am	73	67	26	21			13			15	13	12	161	254
4-5am	128	84	45	28			20			23	16	13	309	440
5-6am	307	168	119	56			25			59	36	19	915	1,035
6-7am	674	312	339	131			61			128	70	48	2,317	2,014
7-8am	896	487	597	190			118			236	98	100	2,282	1,838
8-9am	815	497	552	194			134			215	128	76	2,210	1,695
9-10am	603	474	402	174			115			133	104	64	2,047	1,575
10-11am	536	529	289	146			104			118	105	72	1,580	1,456
11-Noon	557	539	276	160			113			150	110	80	1,492	1,547
Noon-1	585	588	292	166			124			158	107	71	1,466	1,702
1-2pm	597	619	278	198			128			152	123	73	1,505	1,986
2-3pm	617	653	360	218			172			153	123	75	1,808	2,190
3-4pm	703	845	377	233			176			173	137	82	2,067	2,331
4-5pm	747	974	390	241			204			169	144	96	2,089	2,498
5-6pm	757	1,061	451	261			209			164	134	105	2,016	2,547
6-7pm	703	945	394	255			184			146	118	103	1,771	2,192
7-8pm	608	718	321	200			134			135	103	104	1,545	1,883
8-9pm	496	568	281	183			98			92	75	82	1,269	1,636
9-10pm	406	443	212	142			93			89	65	60	1,091	1,328
10-11pm	327	352	192	101			77			71	51	44	999	1,167
11-Mid	252	279	135	78			46			48	32	37	873	824
24 hr Total	11,744	11,615	6,491	3,462	1,952	2,418	2,689	1,944	1,459	32,808	35,209			
6-10am	2,988	1,770	1,890	689	376	428	712	400	288	8,856	7,122			
10am-1pm	1,678	1,656	857	472	285	341	426	322	223	4,538	4,705			
1-3pm	1,214	1,272	638	416	228	300	305	246	148	3,313	4,176			
3-7pm	2,910	3,825	1,612	990	570	773	652	533	386	7,943	9,568			
6am-7pm	8,790	8,523	4,997	2,567	1,459	1,842	2,095	1,501	1,045	24,650	25,571			

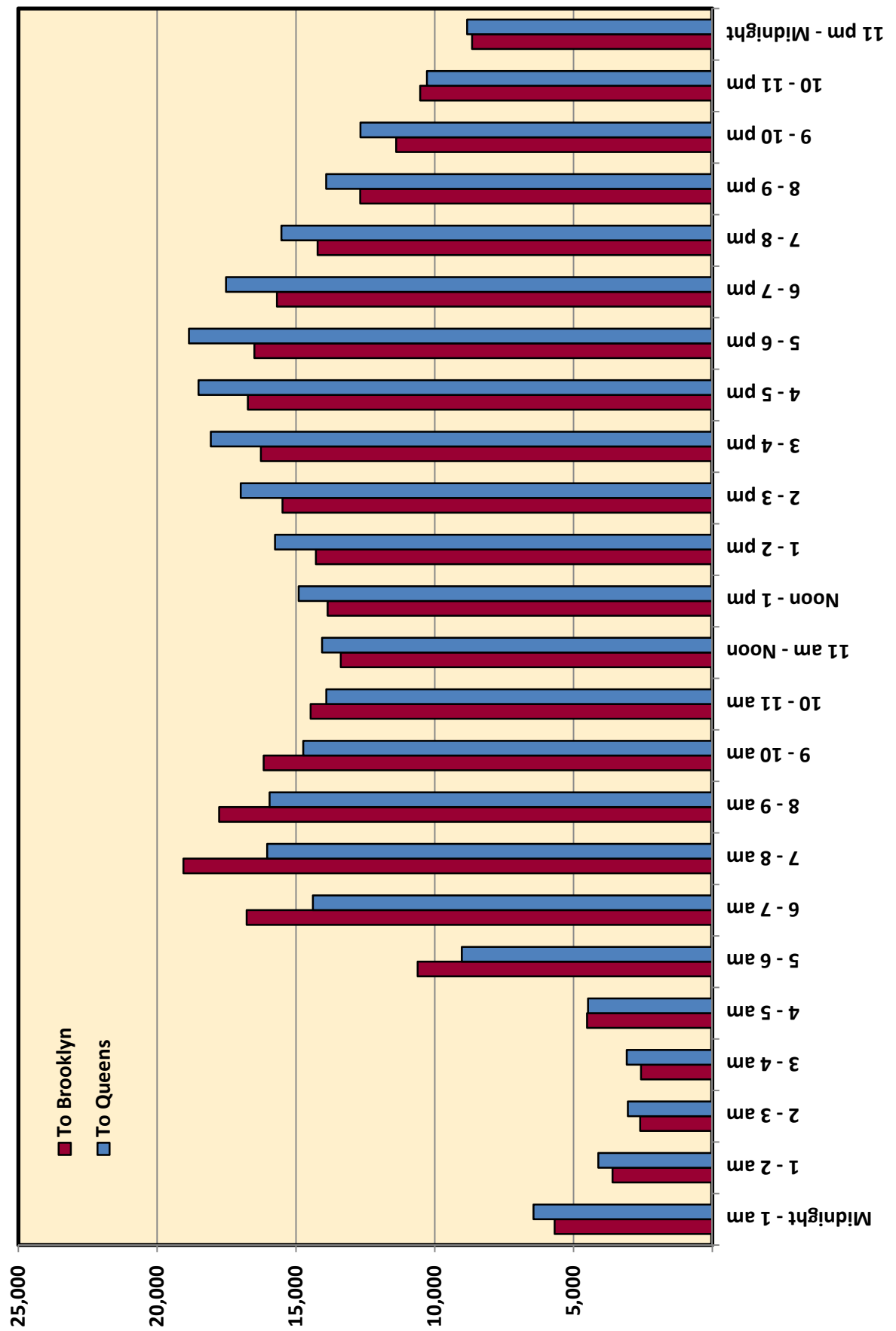
* To Brooklyn

2015 Screenline Volumes Brooklyn - Queens (cont'd)

	Linden Blvd		Linden St	Shore Parkway		Sutter Ave		Other Totals		Grand Totals	
	W/B*	E/B	N/B	W/B*	E/B	W/B*	E/B	To Brooklyn	To Queens	To Brooklyn	To Queens
Mid-1am	354	366	25	1,640	1,705	87	82	2,889	3,015	5,681	6,444
1-2am	247	221	18	894	870	55	45	1,646	1,695	3,596	4,108
2-3am	188	192	12	553	612	40	32	1,101	1,266	2,601	3,042
3-4am	192	212	13	497	670	41	29	1,005	1,315	2,569	3,080
4-5am	279	274	17	947	1,049	59	43	1,790	2,002	4,510	4,476
5-6am	657	424	39	3,032	2,494	112	87	5,201	4,405	10,615	9,025
6-7am	1,450	606	60	4,736	4,172	298	195	9,942	7,717	16,774	14,389
7-8am	1,823	772	93	5,257	4,550	399	293	11,490	8,646	19,052	16,036
8-9am	1,632	856	125	4,935	4,631	355	251	10,714	8,711	17,767	15,949
9-10am	1,371	861	102	4,682	4,188	277	234	9,515	7,988	16,161	14,738
10-11am	1,168	895	107	4,210	3,755	231	210	8,132	7,479	14,473	13,906
11-Noon	1,108	981	119	3,503	3,656	228	234	7,314	7,629	13,386	14,057
Noon-1	1,116	1,051	116	3,883	3,985	231	253	7,731	8,258	13,857	14,902
1-2pm	1,147	1,093	106	4,012	4,192	277	288	7,968	8,917	14,279	15,753
2-3pm	1,281	1,236	120	4,452	4,730	313	323	8,984	9,957	15,485	16,991
3-4pm	1,277	1,456	131	4,567	4,912	349	351	9,513	10,781	16,265	18,068
4-5pm	1,340	1,573	131	4,570	4,784	374	377	9,679	11,177	16,732	18,511
5-6pm	1,324	1,573	152	4,589	4,869	385	397	9,686	11,459	16,496	18,854
6-7pm	1,274	1,381	131	4,541	4,964	368	343	9,197	10,753	15,686	17,518
7-8pm	1,073	1,084	124	4,339	4,635	308	286	8,329	9,373	14,219	15,526
8-9pm	818	953	107	4,052	4,211	250	242	7,258	8,253	12,687	13,910
9-10pm	698	817	77	3,465	3,772	220	210	6,181	7,083	11,388	12,678
10-11pm	676	718	53	3,132	3,151	194	159	5,591	5,933	10,525	10,279
11-Mid	534	561	39	2,591	2,695	145	123	4,578	4,759	8,655	8,835
24 hr Total	23,027	20,156	2,017	83,079	83,252	5,596	5,087	165,434	168,571	293,459	301,075
6-10am	6,276	3,095	380	19,610	17,541	1,329	973	41,661	33,062	69,754	61,112
10am-1pm	3,392	2,927	342	11,596	11,396	690	697	23,177	23,366	41,716	42,865
1-3pm	2,428	2,329	226	8,464	8,922	590	611	16,952	18,874	29,764	32,744
3-7pm	5,215	5,983	545	18,267	19,529	1,476	1,468	38,075	44,170	65,179	72,951
6am-7pm	17,311	14,334	1,493	57,937	57,388	4,085	3,749	119,865	119,472	206,413	209,672

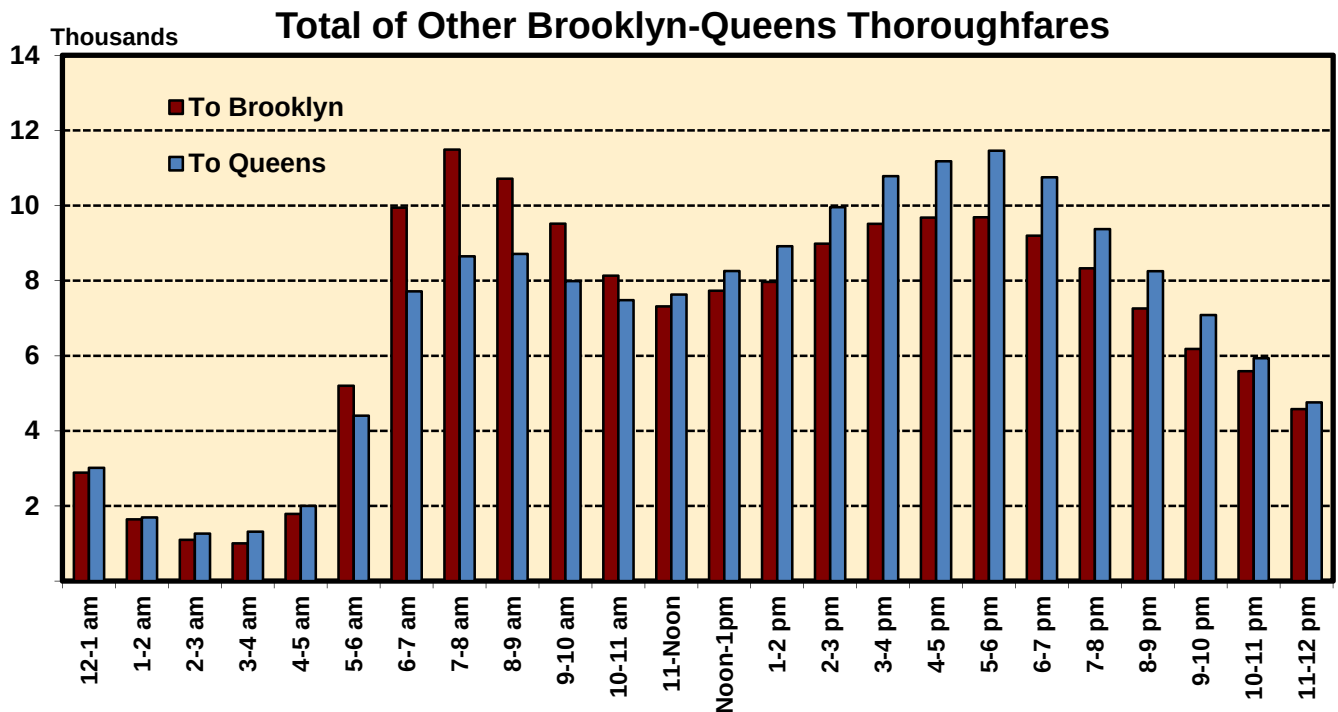
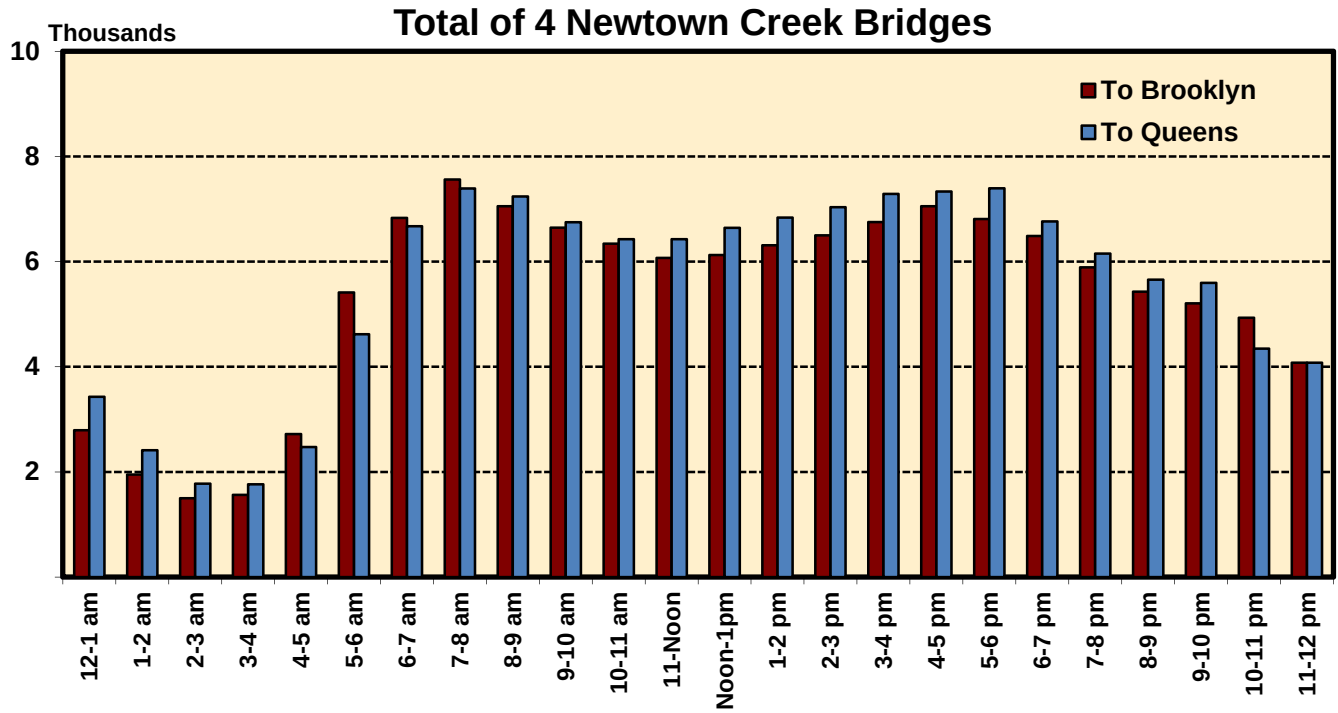
* To Brooklyn

Brooklyn – Queens Screenline Total Hourly Vehicle Volumes ~ 2015



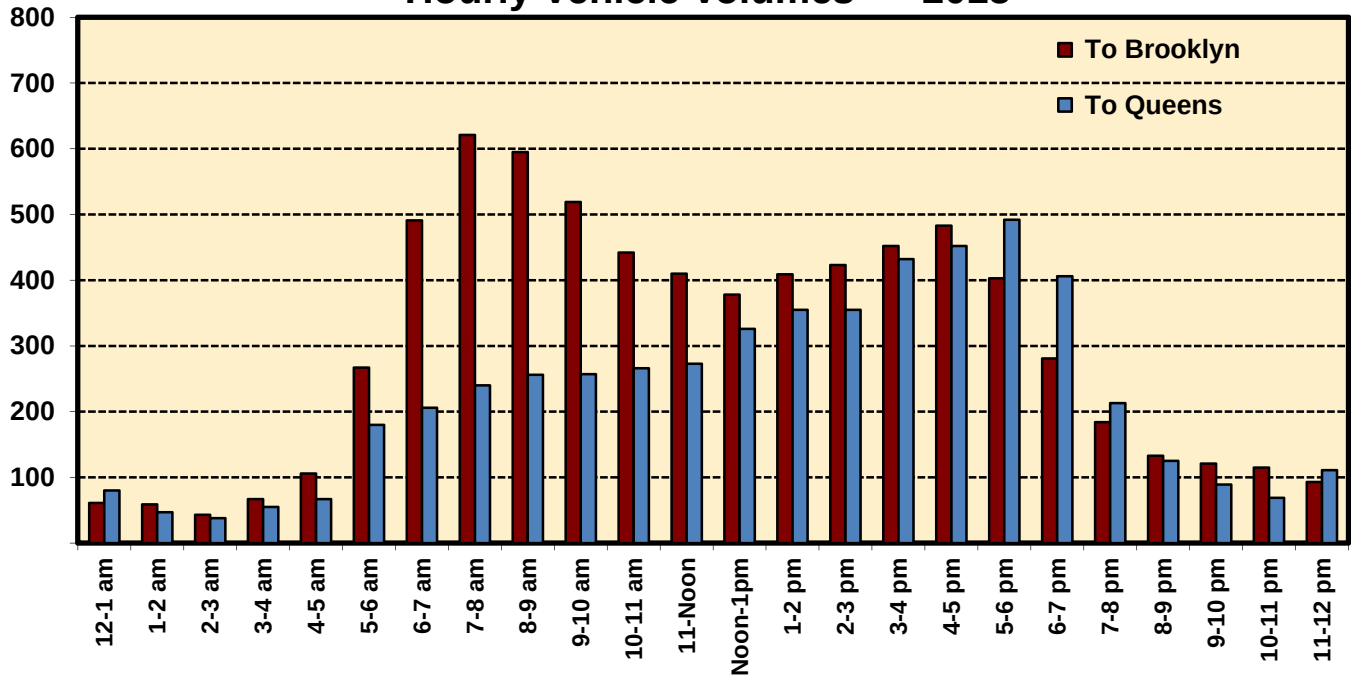
Brooklyn – Queens Screenline

Hourly Vehicle Volumes ~ 2015

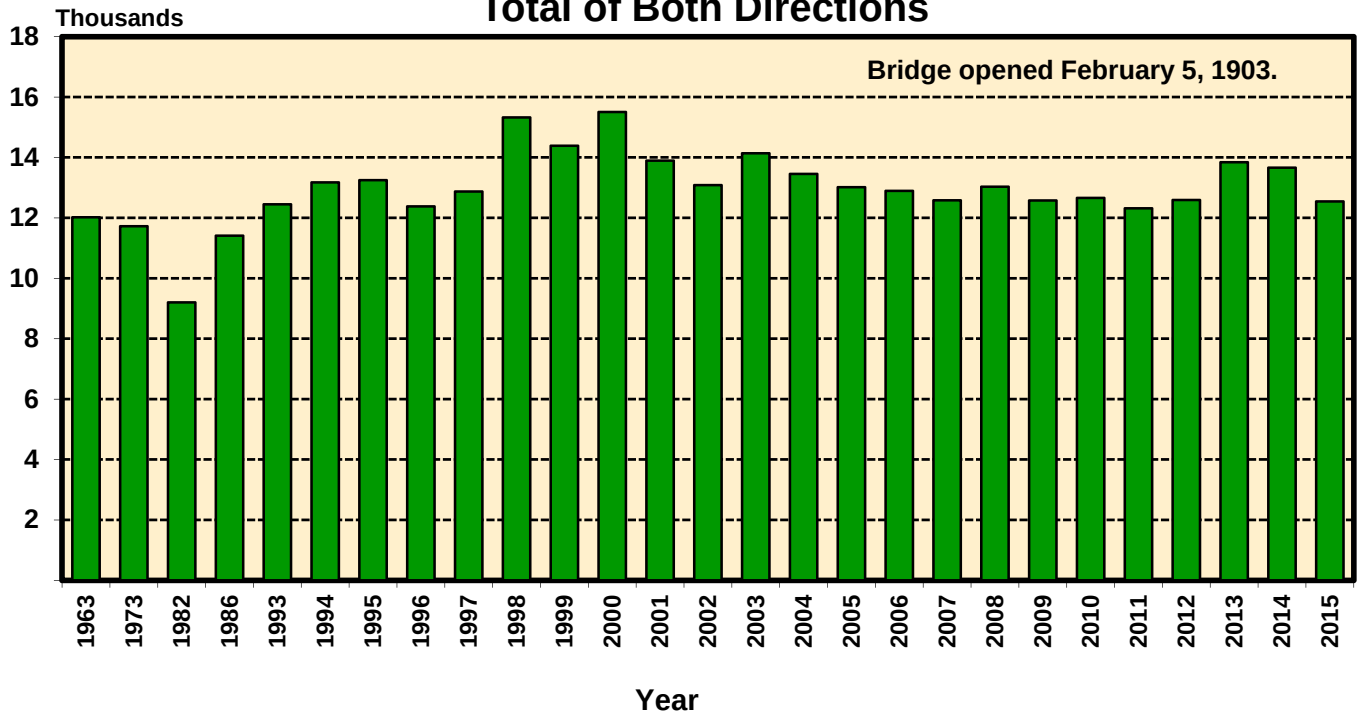


Brooklyn – Queens Screenline Volumes

Grand Street Bridge Hourly Vehicle Volumes ~ 2015

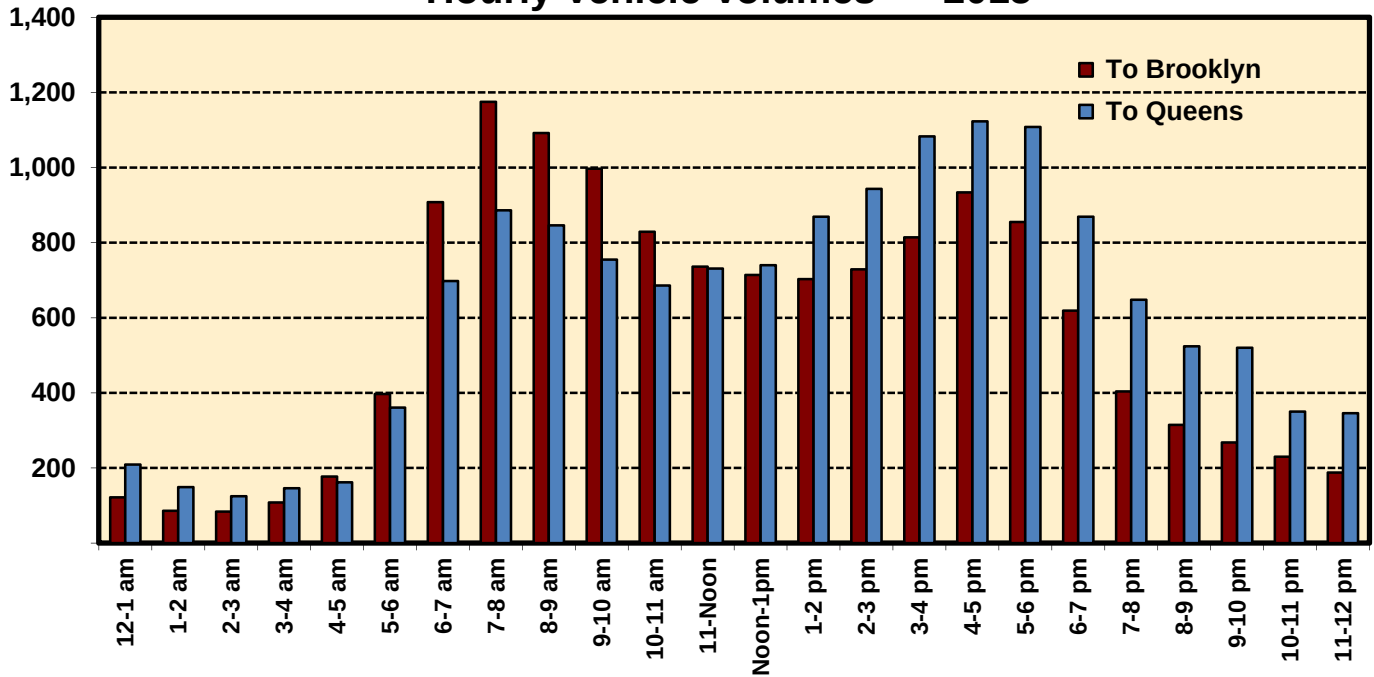


Grand Street Bridge Average Daily Traffic Volumes Total of Both Directions

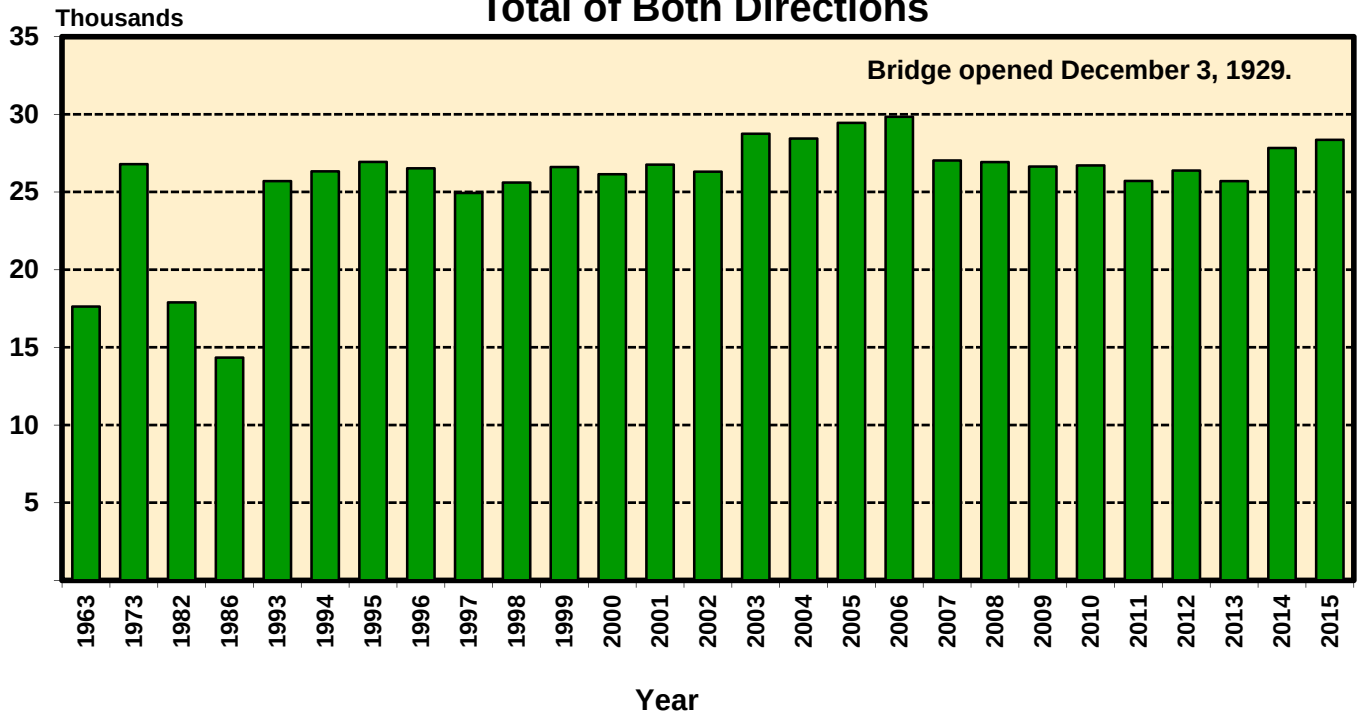


Brooklyn – Queens Screenline Volumes

J.J. Byrne Memorial Bridge (Greenpoint Avenue Bridge)
Hourly Vehicle Volumes ~ 2015

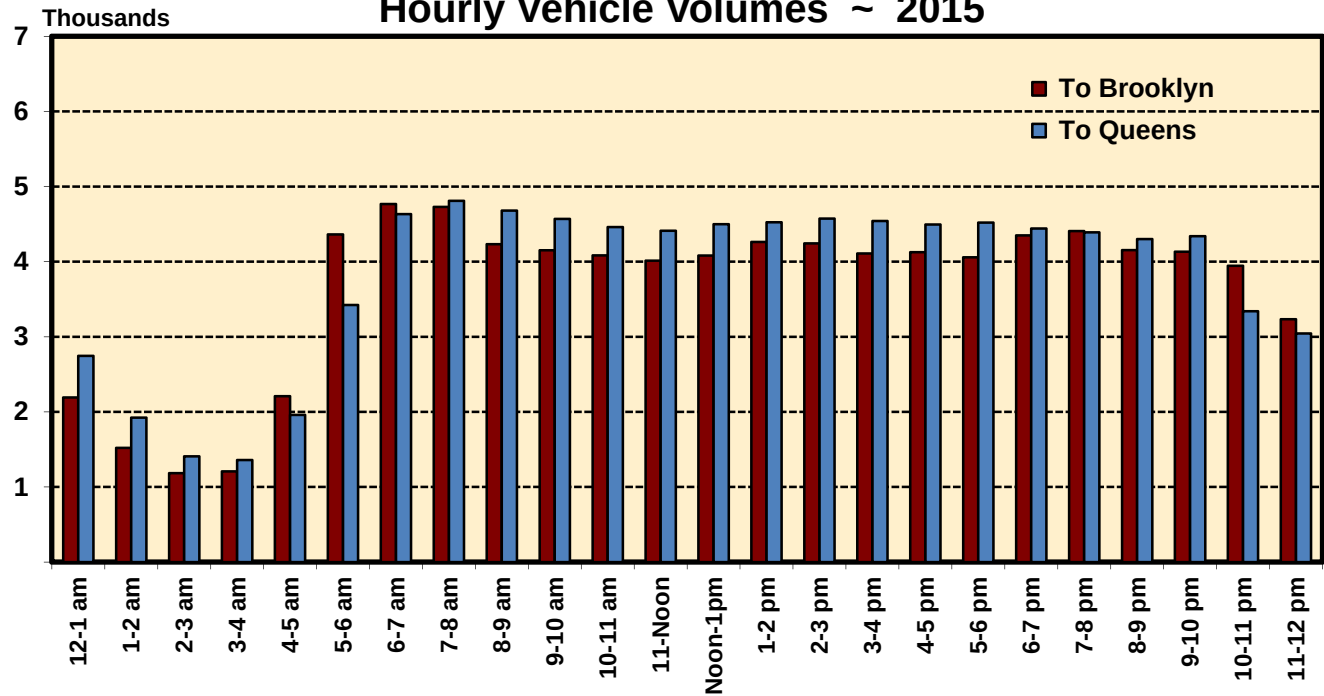


J.J. Byrne Memorial Bridge (Greenpoint Avenue Bridge)
Average Daily Traffic Volumes
Total of Both Directions

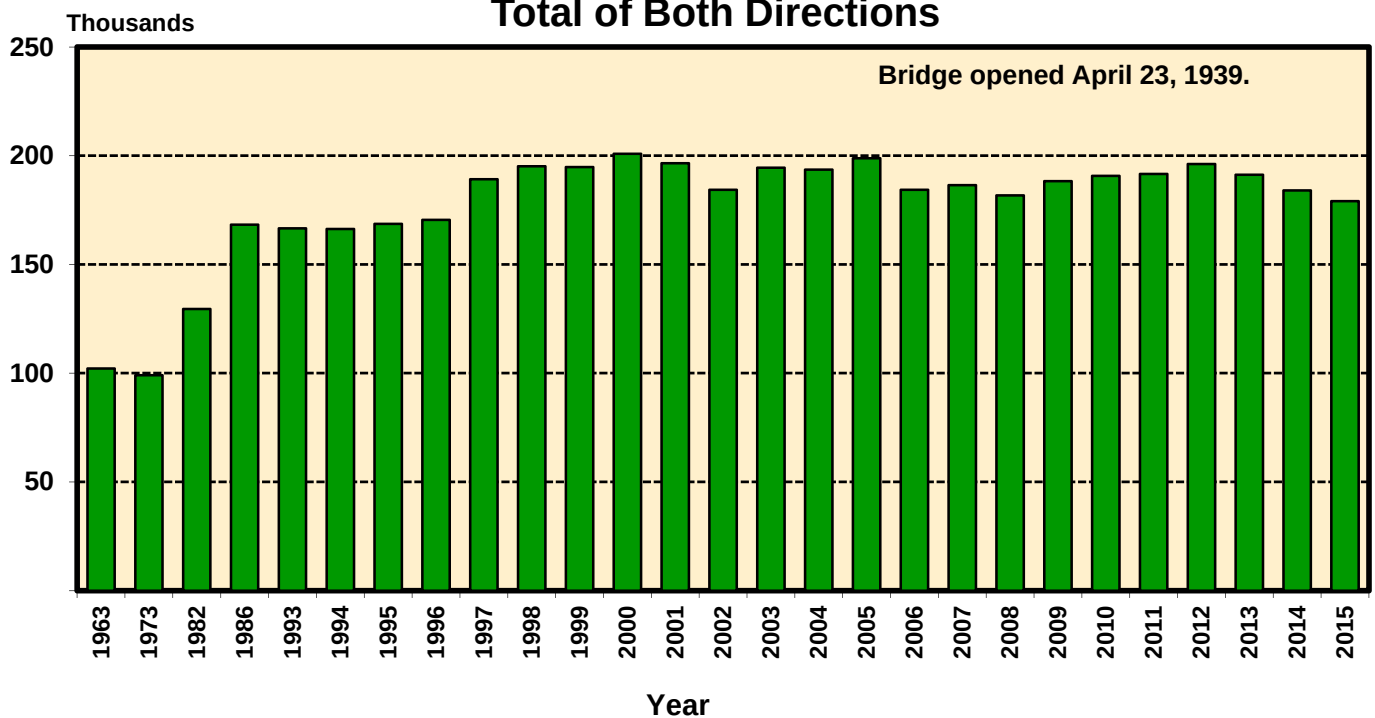


Brooklyn – Queens Screenline Volumes

Kosciuszko Bridge Hourly Vehicle Volumes ~ 2015

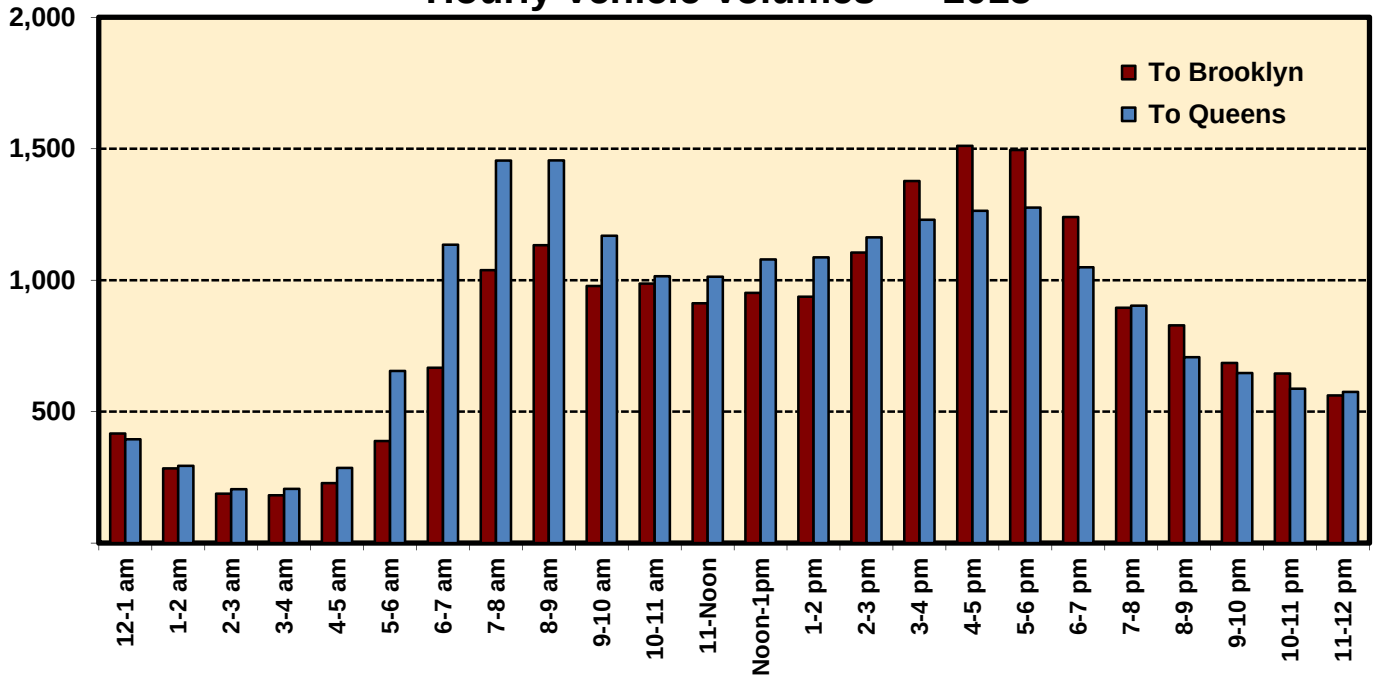


Kosciuszko Bridge Average Daily Traffic Volumes Total of Both Directions

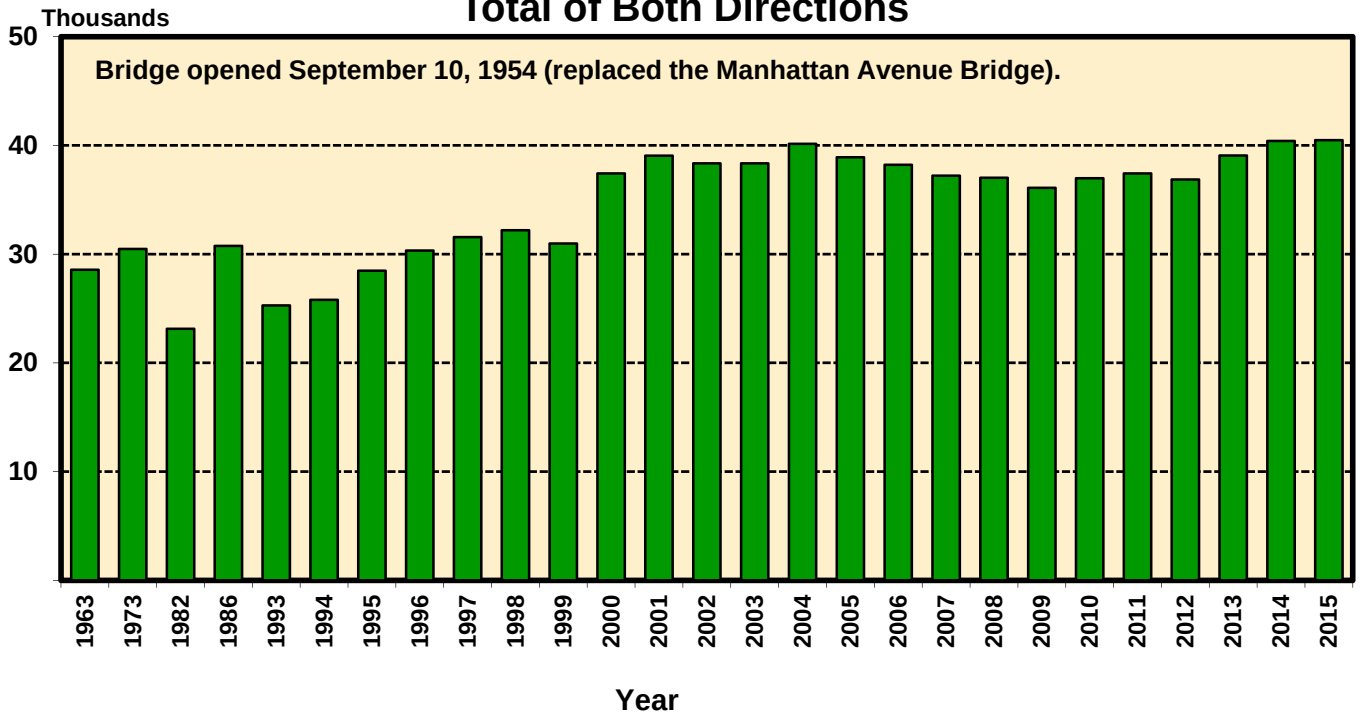


Brooklyn – Queens Screenline Volumes

Pulaski Bridge Hourly Vehicle Volumes ~ 2015

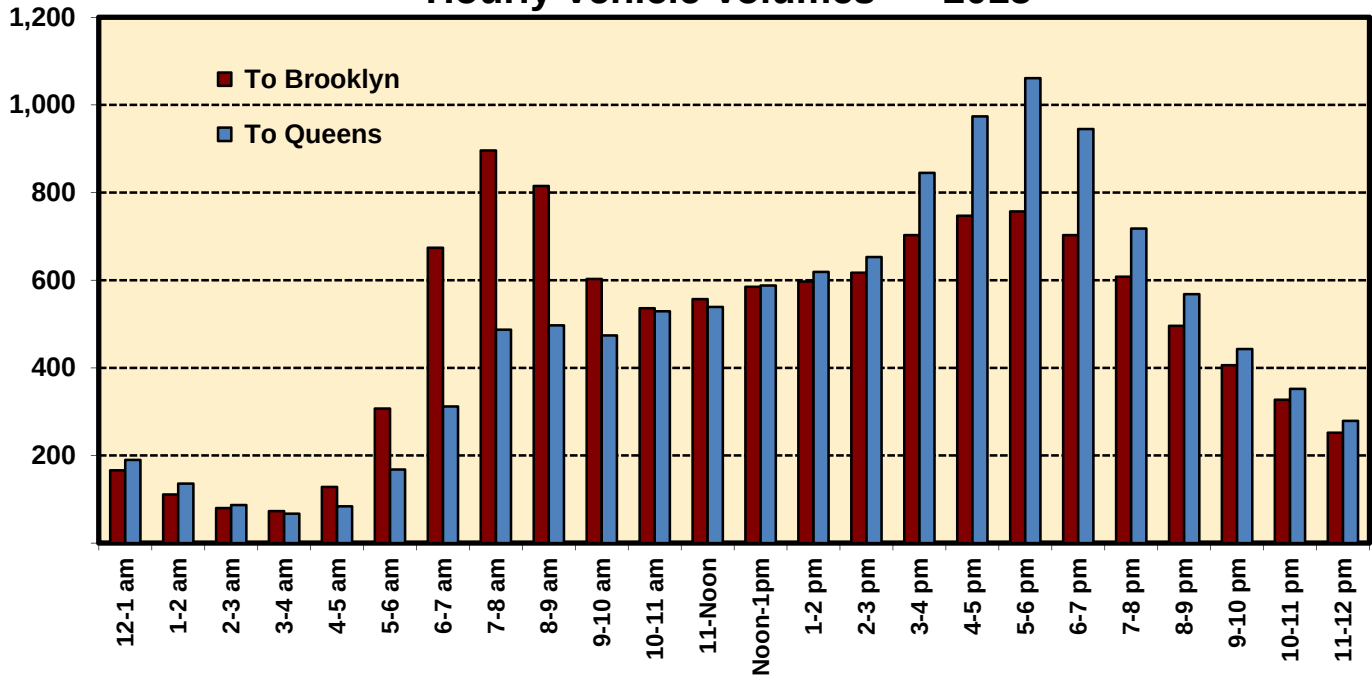


Pulaski Bridge Average Daily Traffic Volumes Total of Both Directions

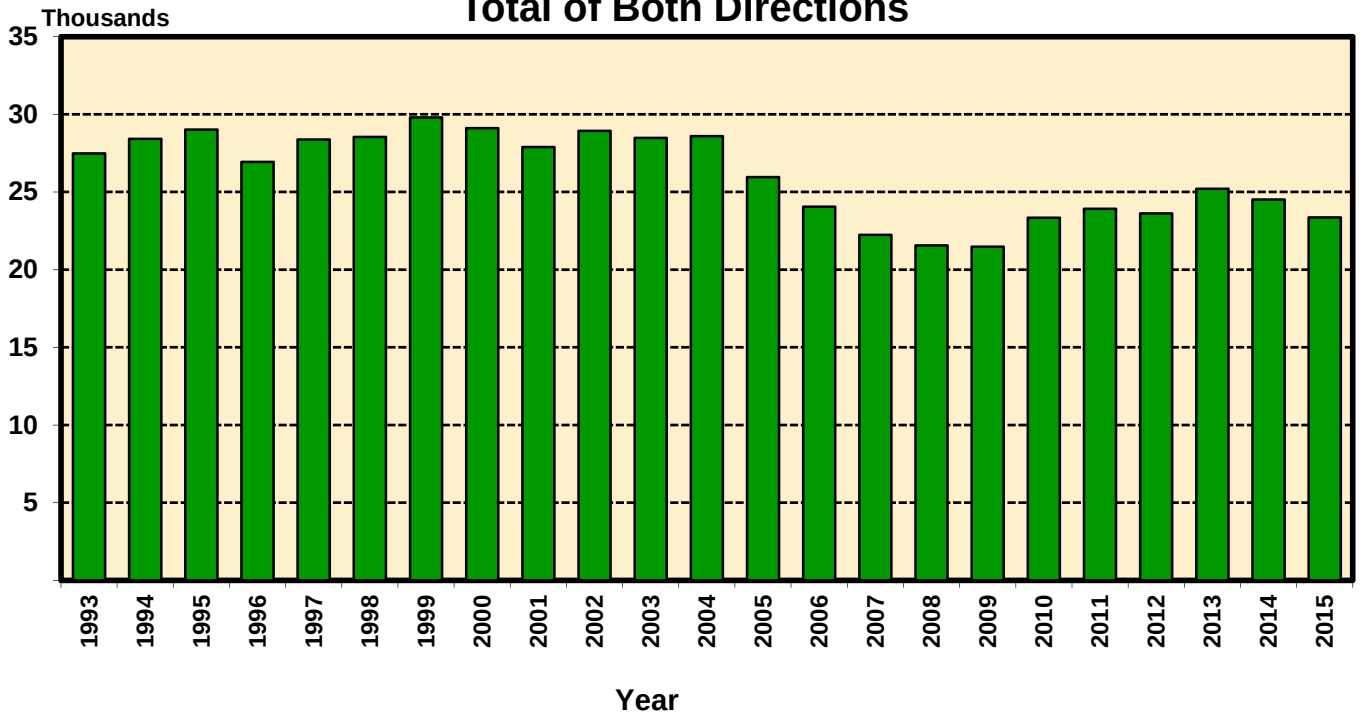


Brooklyn – Queens Screenline Volumes

Atlantic Avenue Hourly Vehicle Volumes ~ 2015

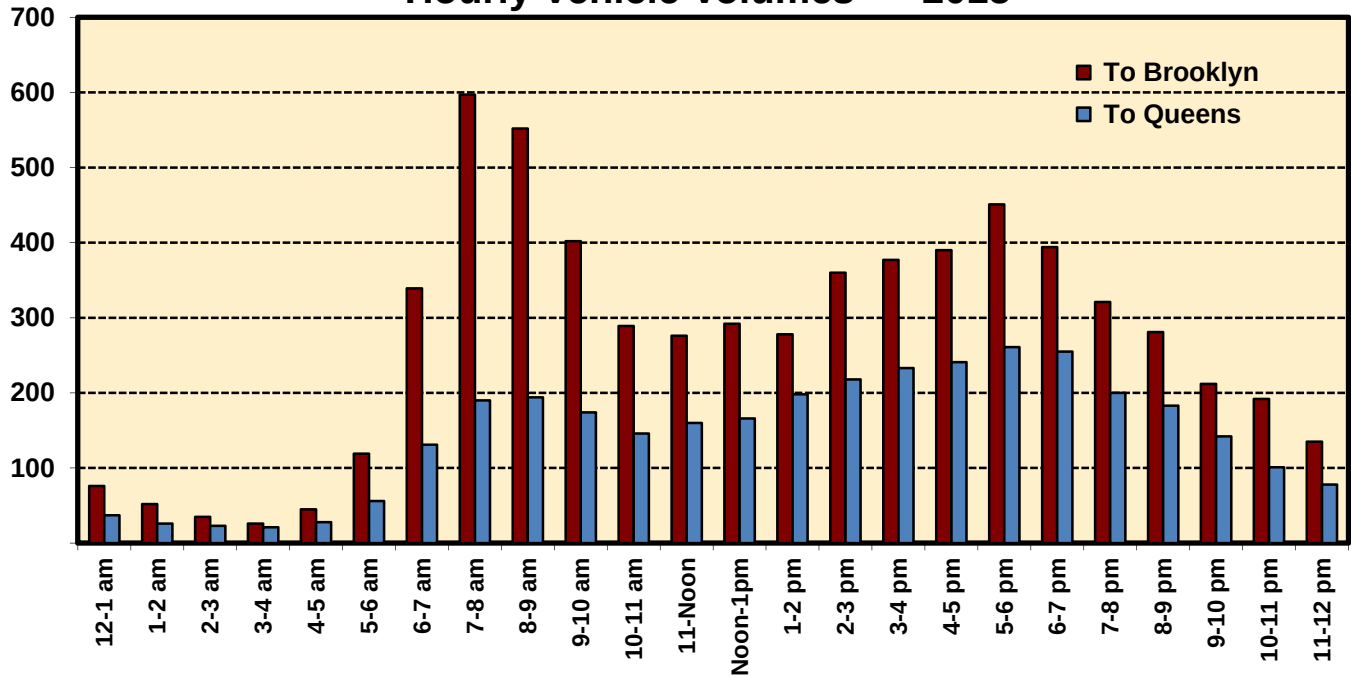


Atlantic Avenue Average Daily Traffic Volumes Total of Both Directions

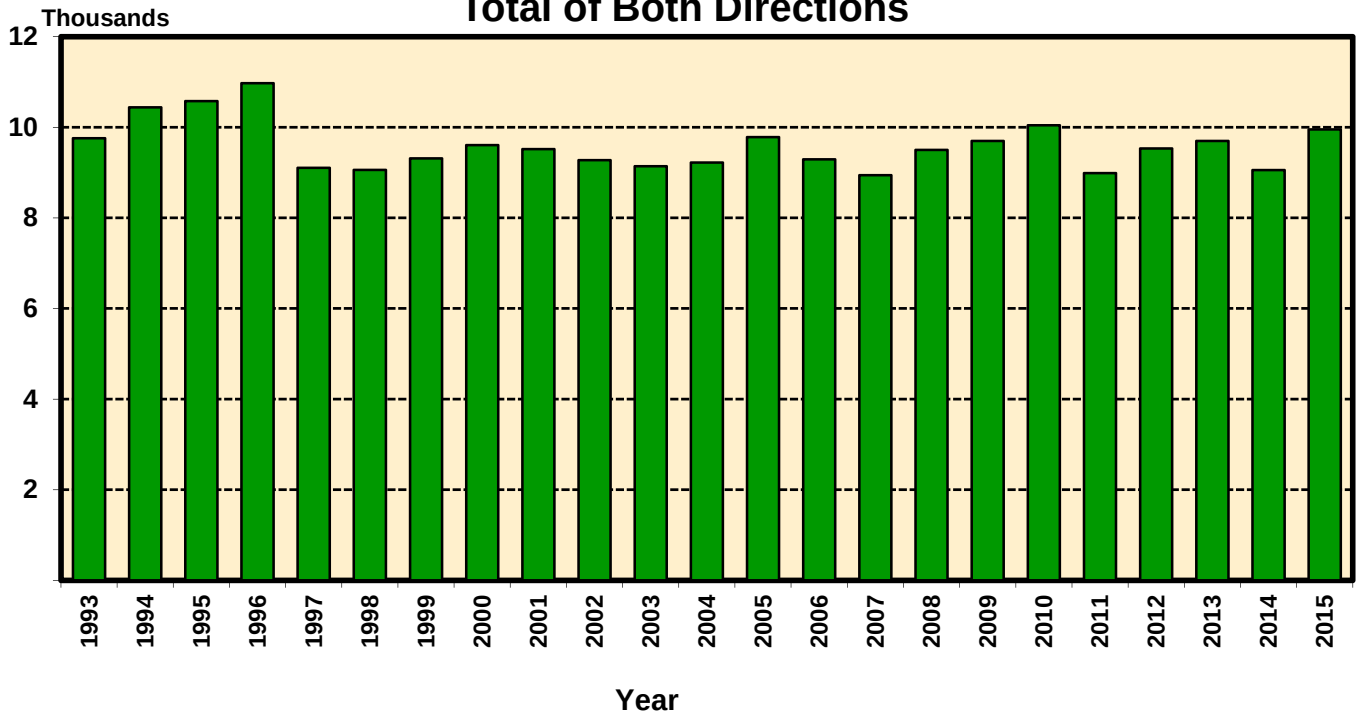


Brooklyn – Queens Screenline Volumes

Cooper Street Hourly Vehicle Volumes ~ 2015

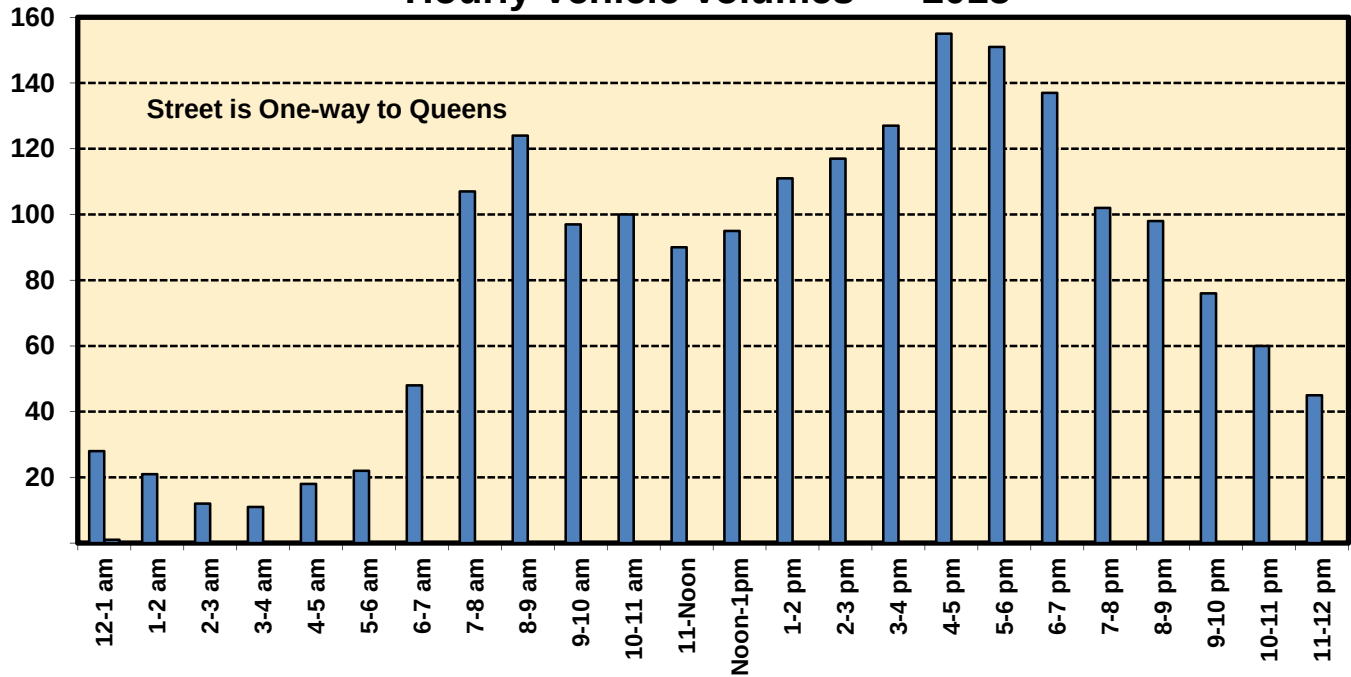


Cooper Street Average Daily Traffic Volumes Total of Both Directions

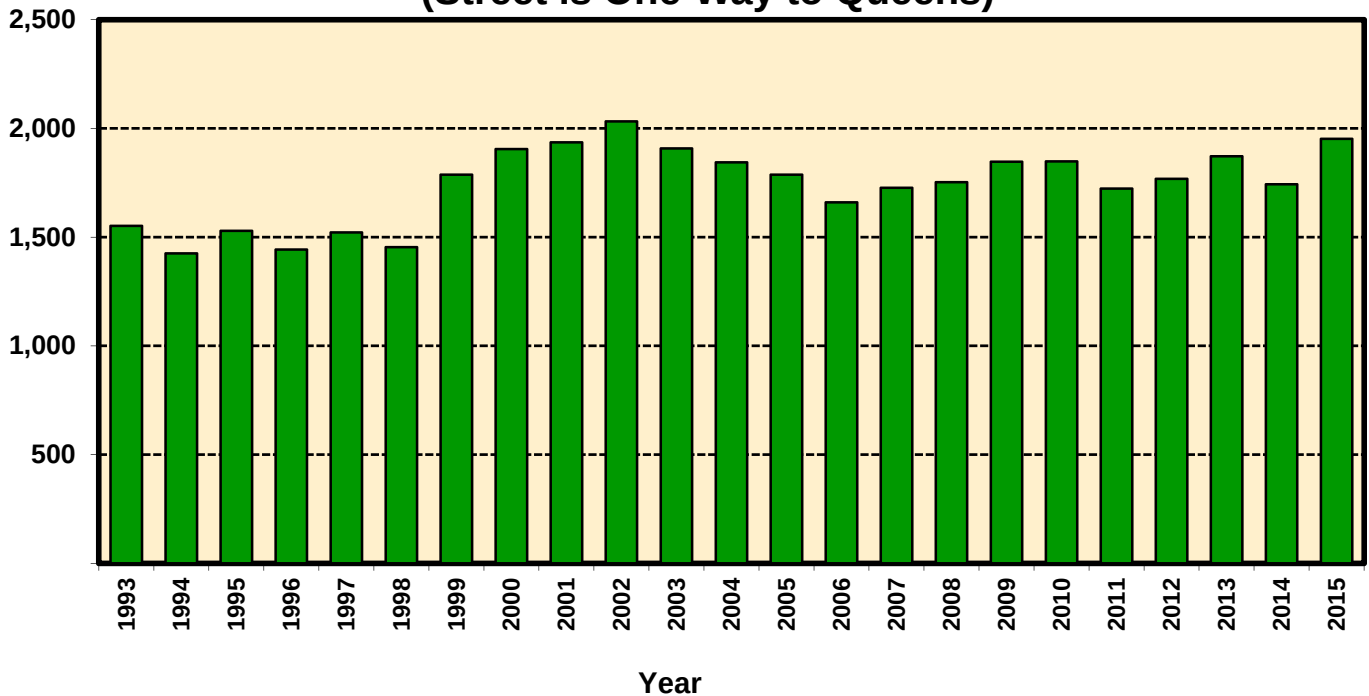


Brooklyn – Queens Screenline Volumes

Cornelia Street Hourly Vehicle Volumes ~ 2015

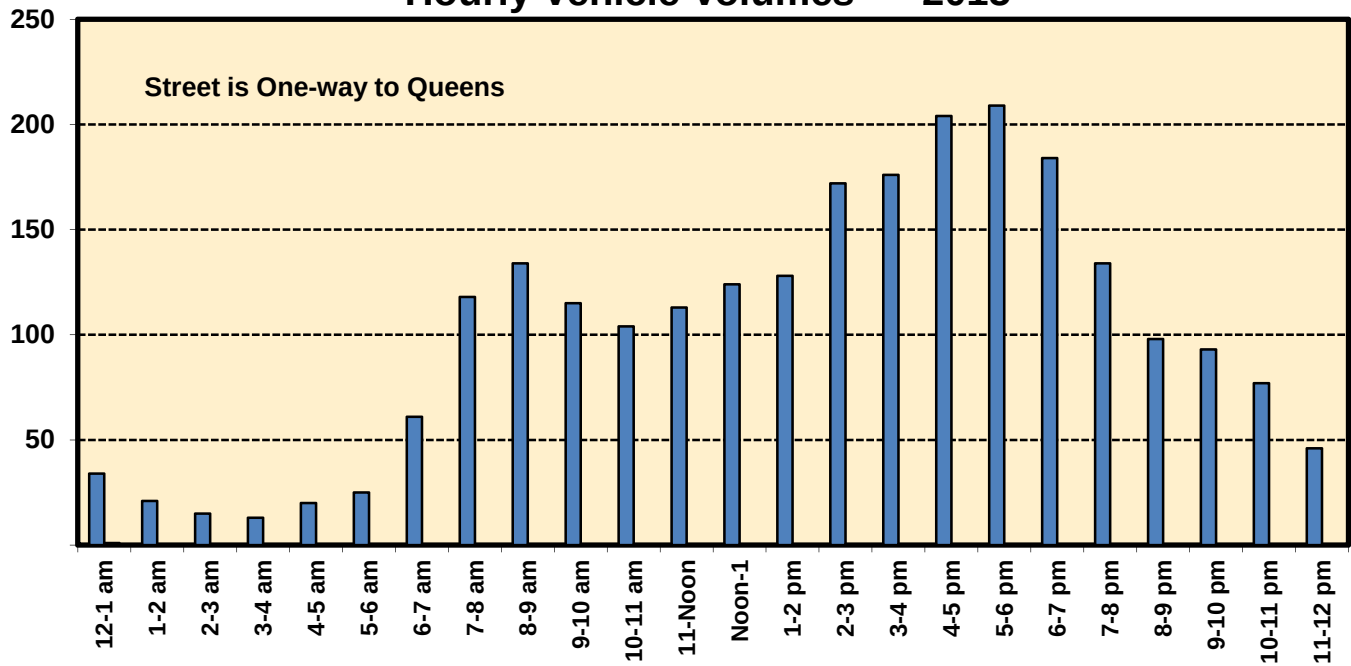


Cornelia Street Average Daily Traffic Volumes (Street is One-Way to Queens)

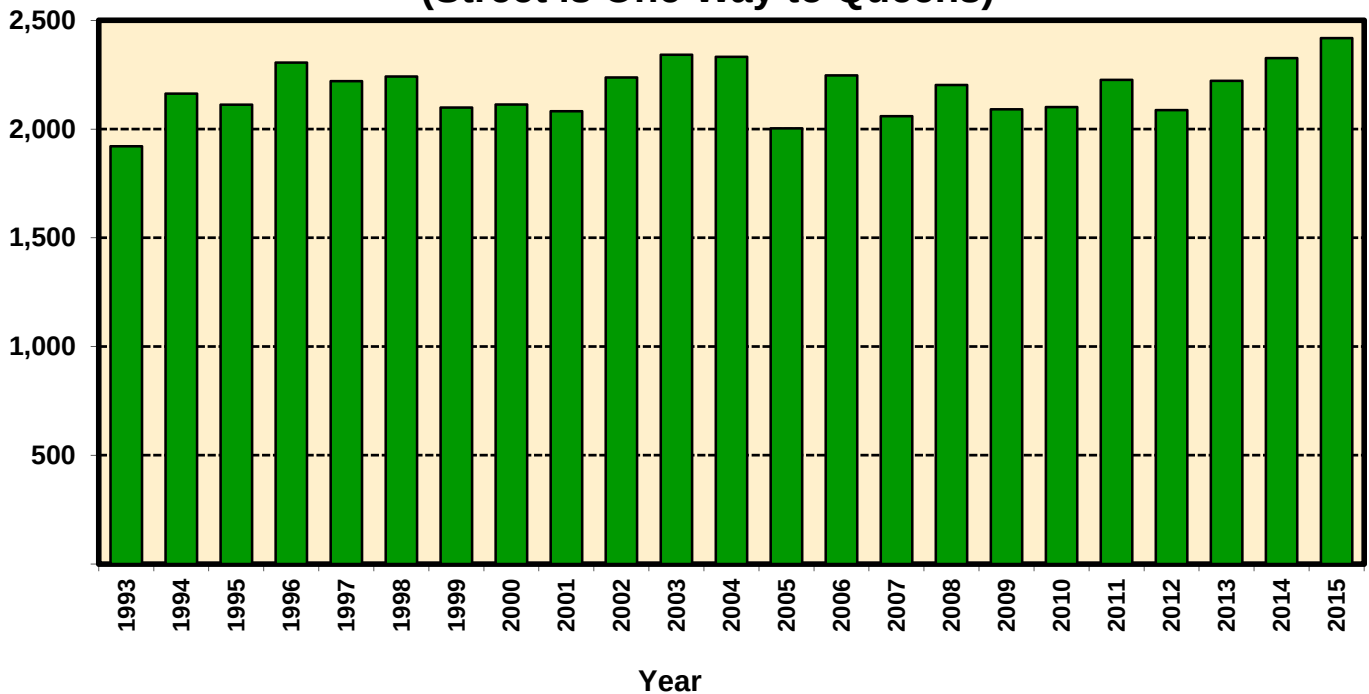


Brooklyn – Queens Screenline Volumes

Decatur Street Hourly Vehicle Volumes ~ 2015

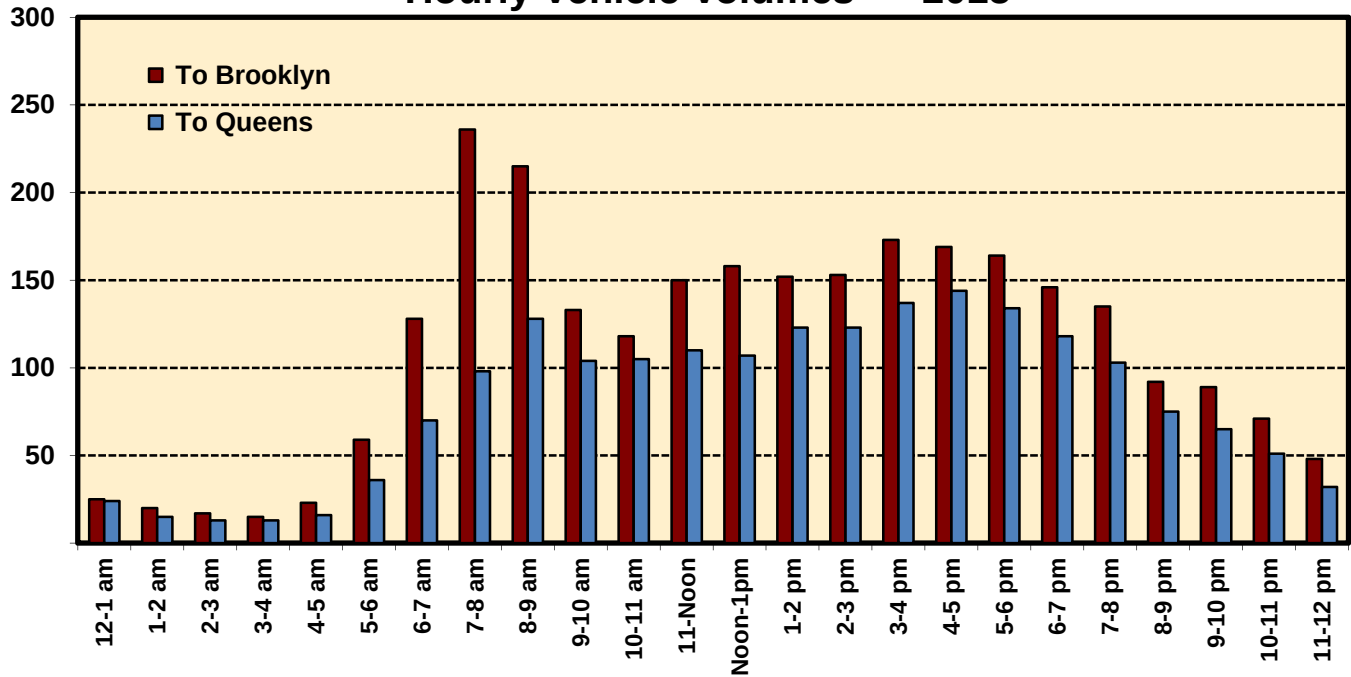


Decatur Street Average Daily Traffic Volumes (Street is One-Way to Queens)

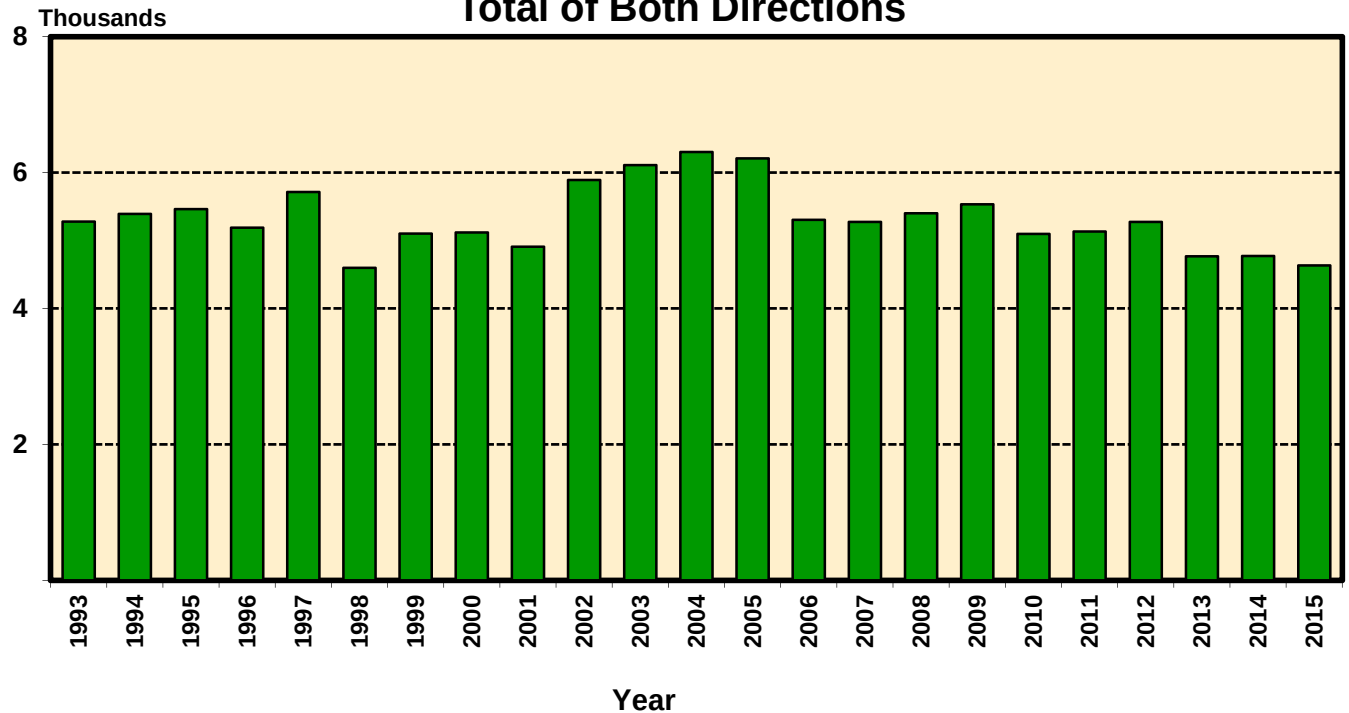


Brooklyn – Queens Screenline Volumes

**DeKalb Avenue
Hourly Vehicle Volumes ~ 2015**

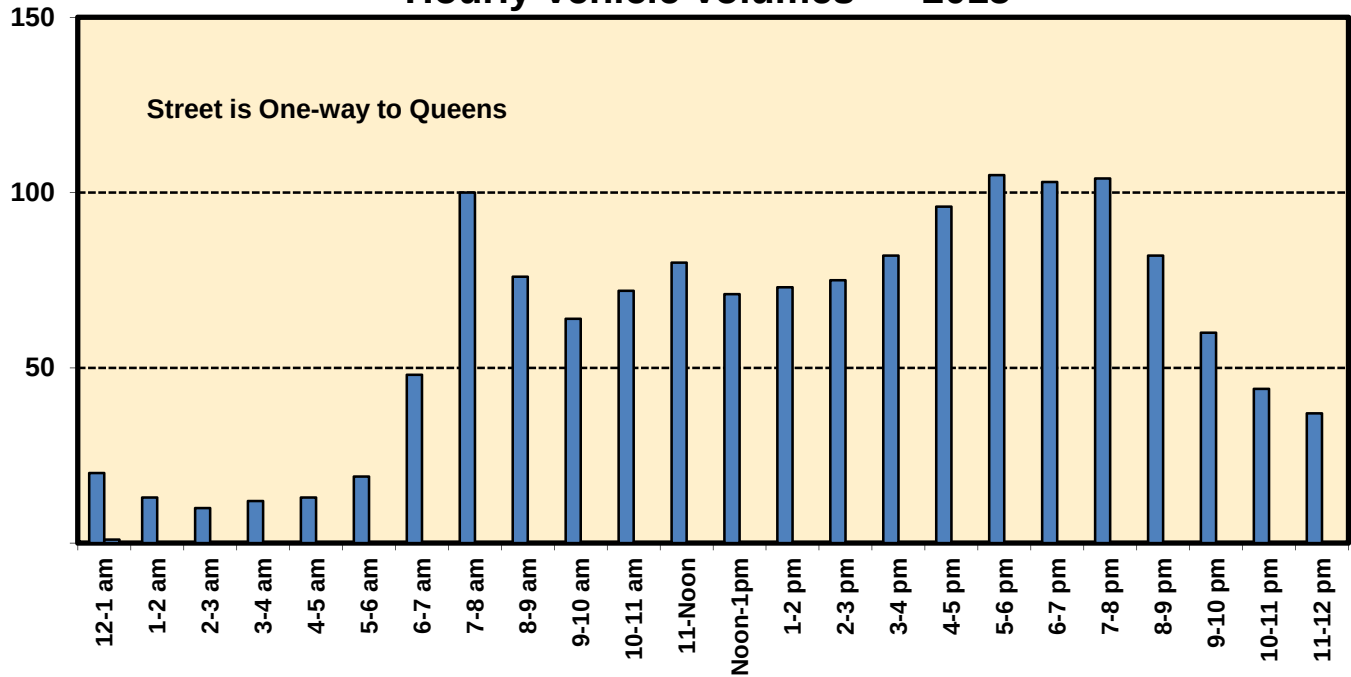


**DeKalb Avenue
Average Daily Traffic Volumes
Total of Both Directions**

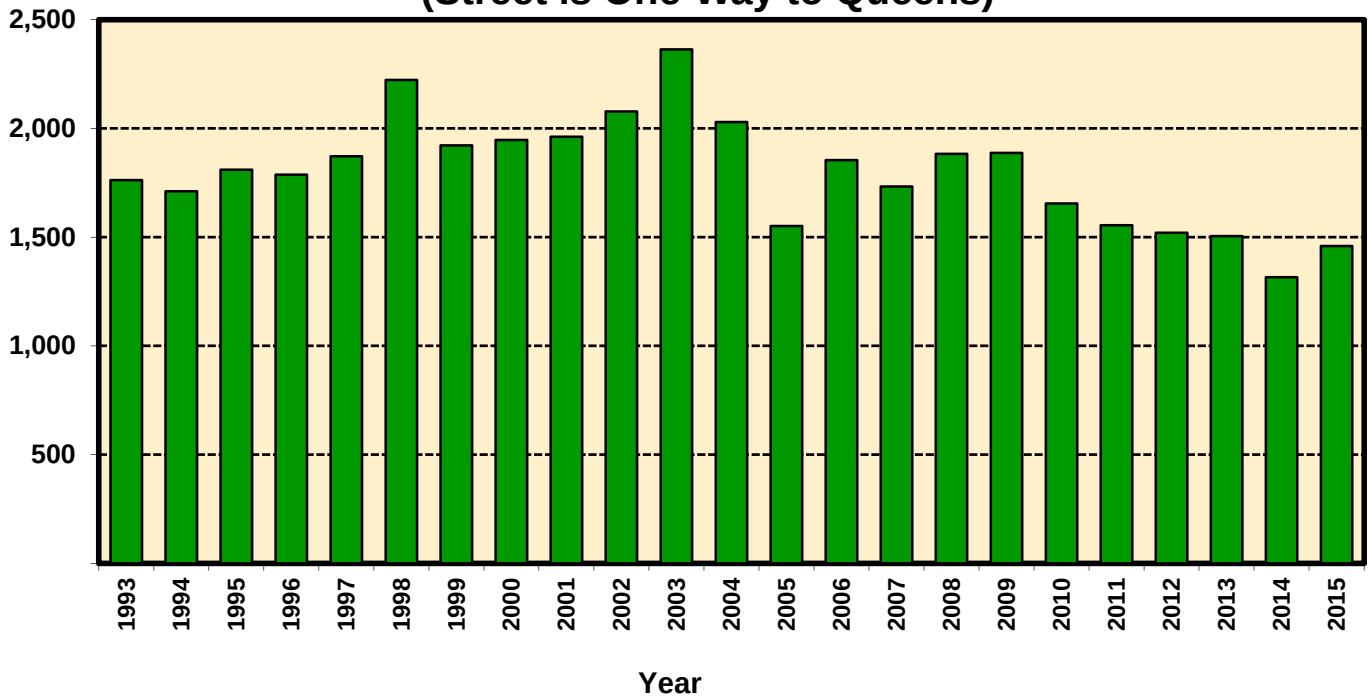


Brooklyn – Queens Screenline Volumes

Greene Avenue Hourly Vehicle Volumes ~ 2015

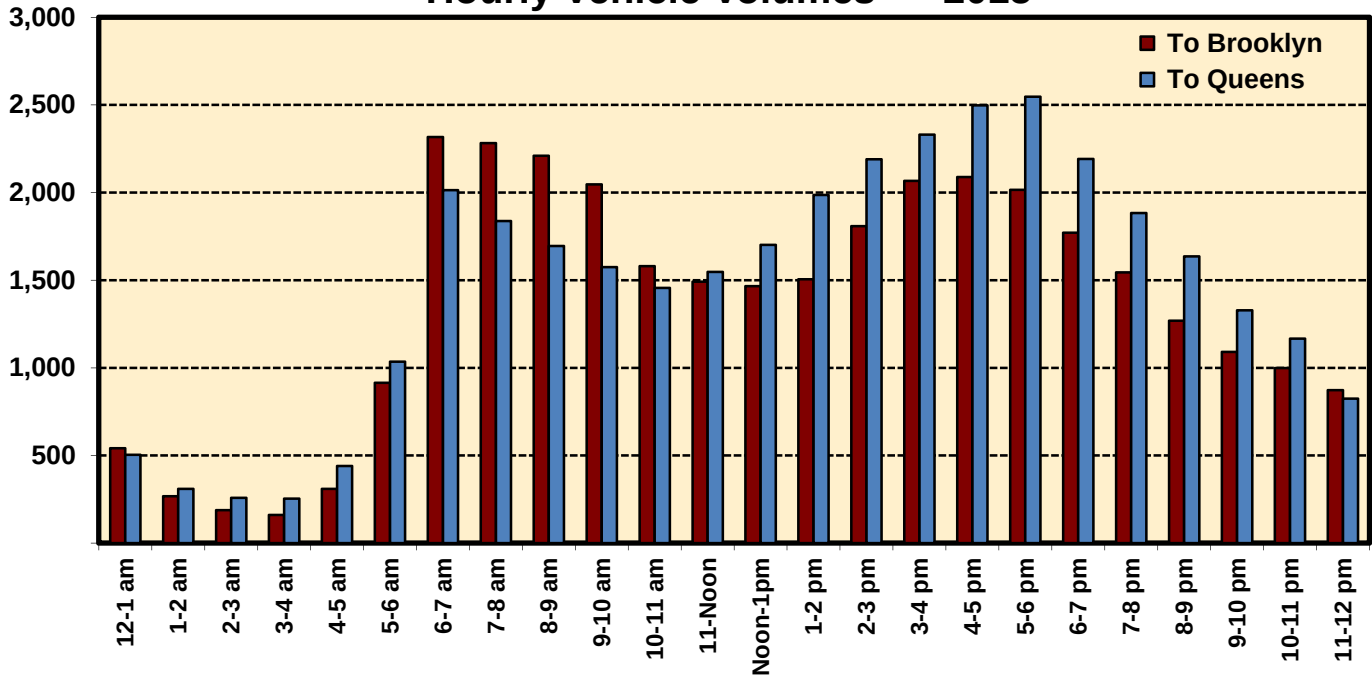


Greene Avenue Average Daily Traffic Volumes (Street is One-Way to Queens)

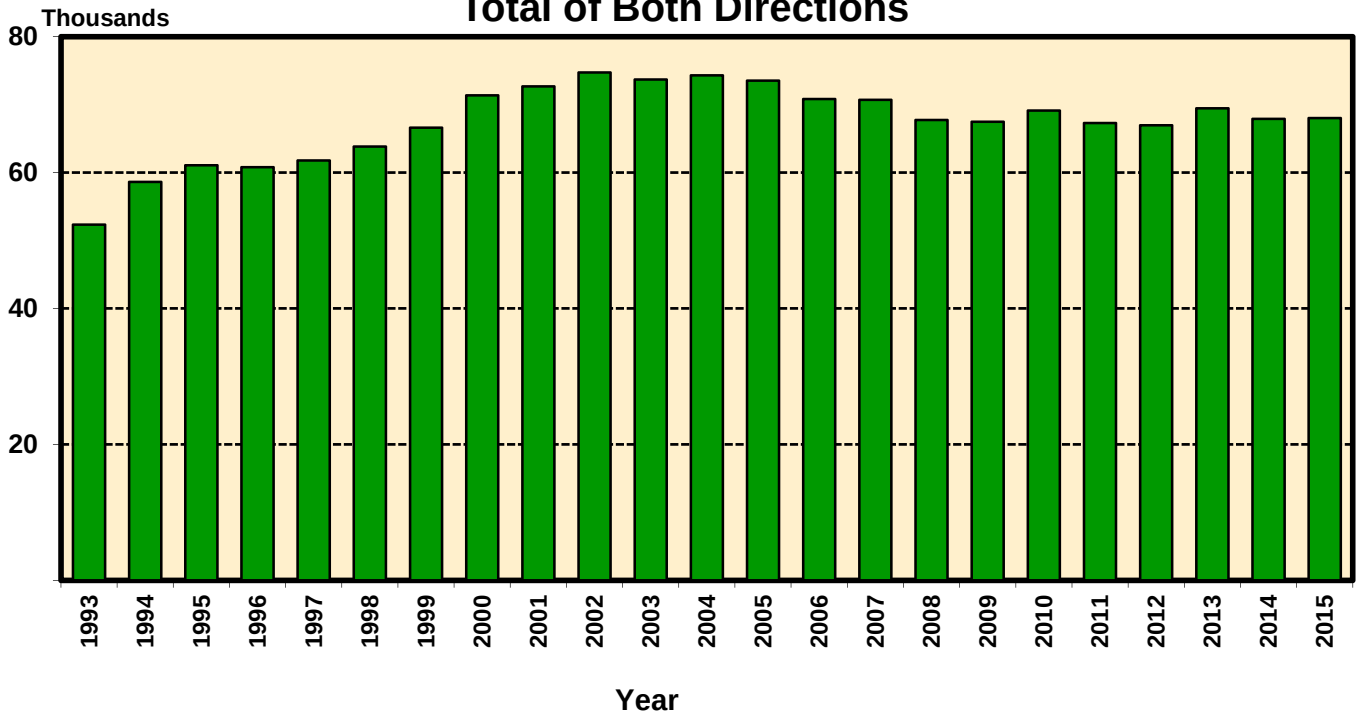


Brooklyn – Queens Screenline Volumes

Jackie Robinson Parkway Hourly Vehicle Volumes ~ 2015

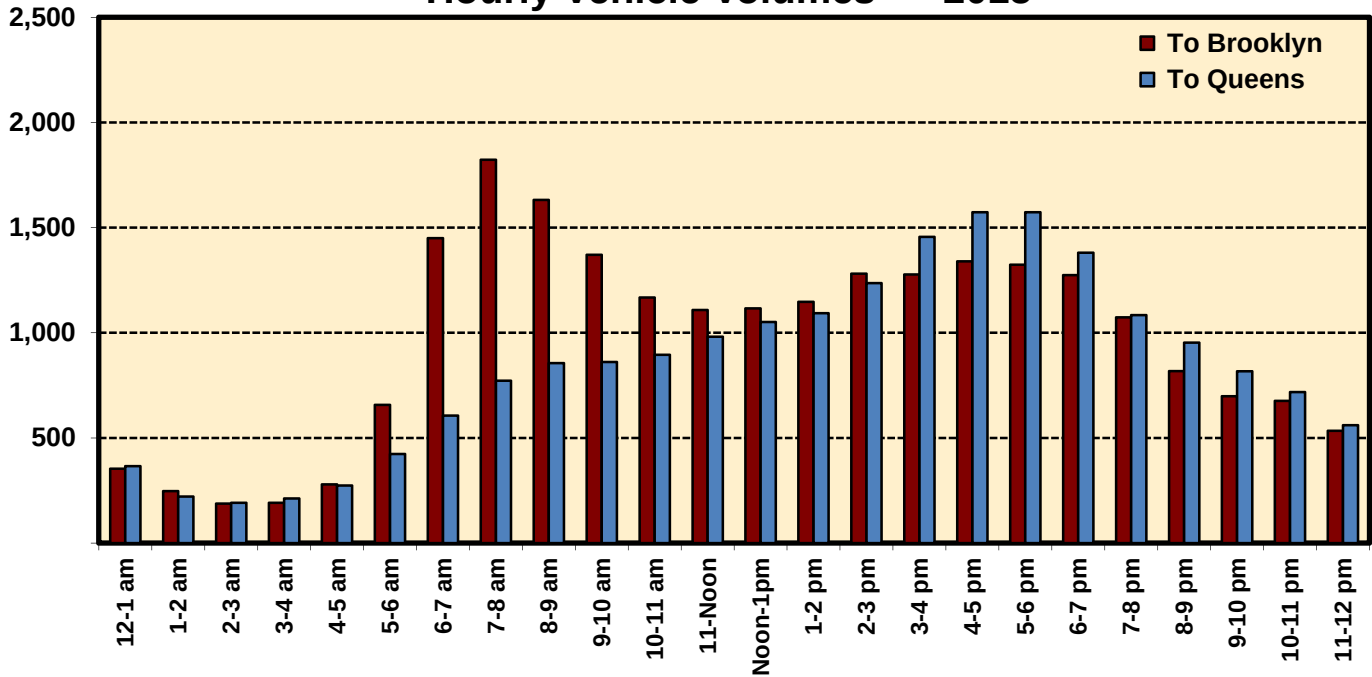


Jackie Robinson Parkway Average Daily Traffic Volumes Total of Both Directions

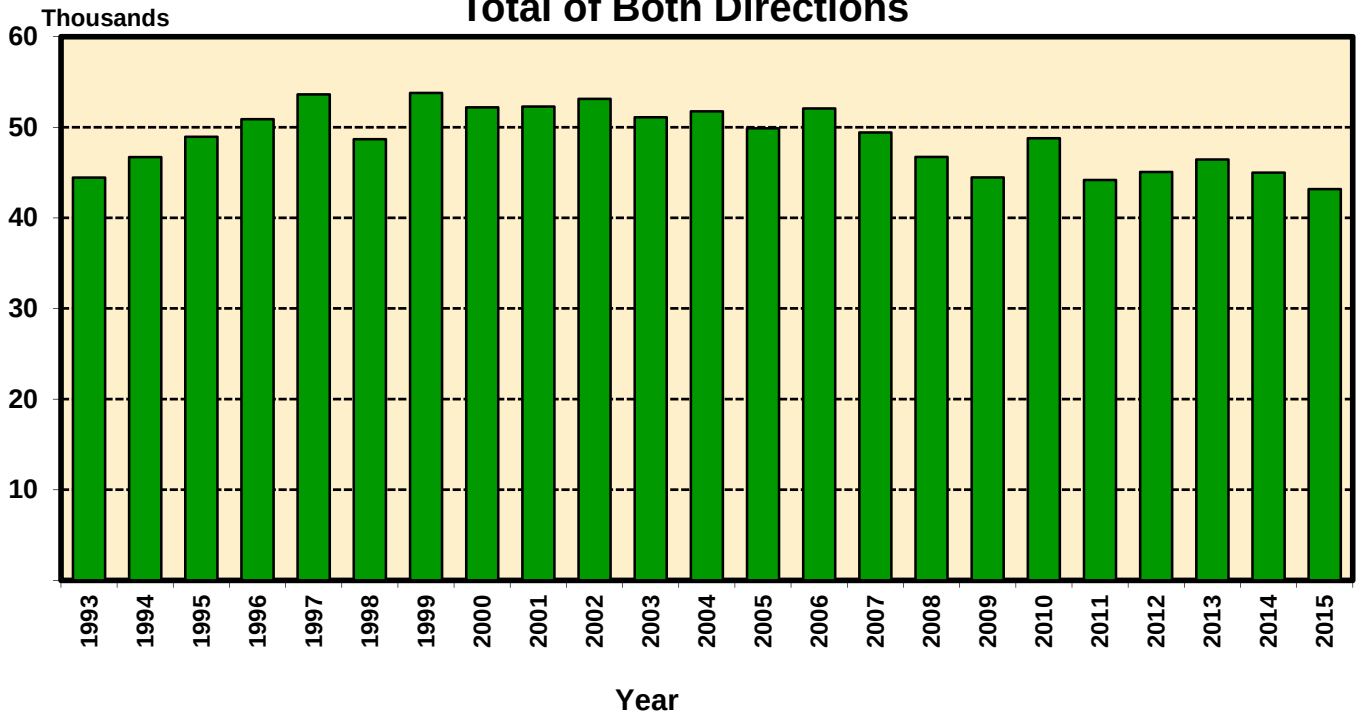


Brooklyn – Queens Screenline Volumes

Linden Boulevard Hourly Vehicle Volumes ~ 2015

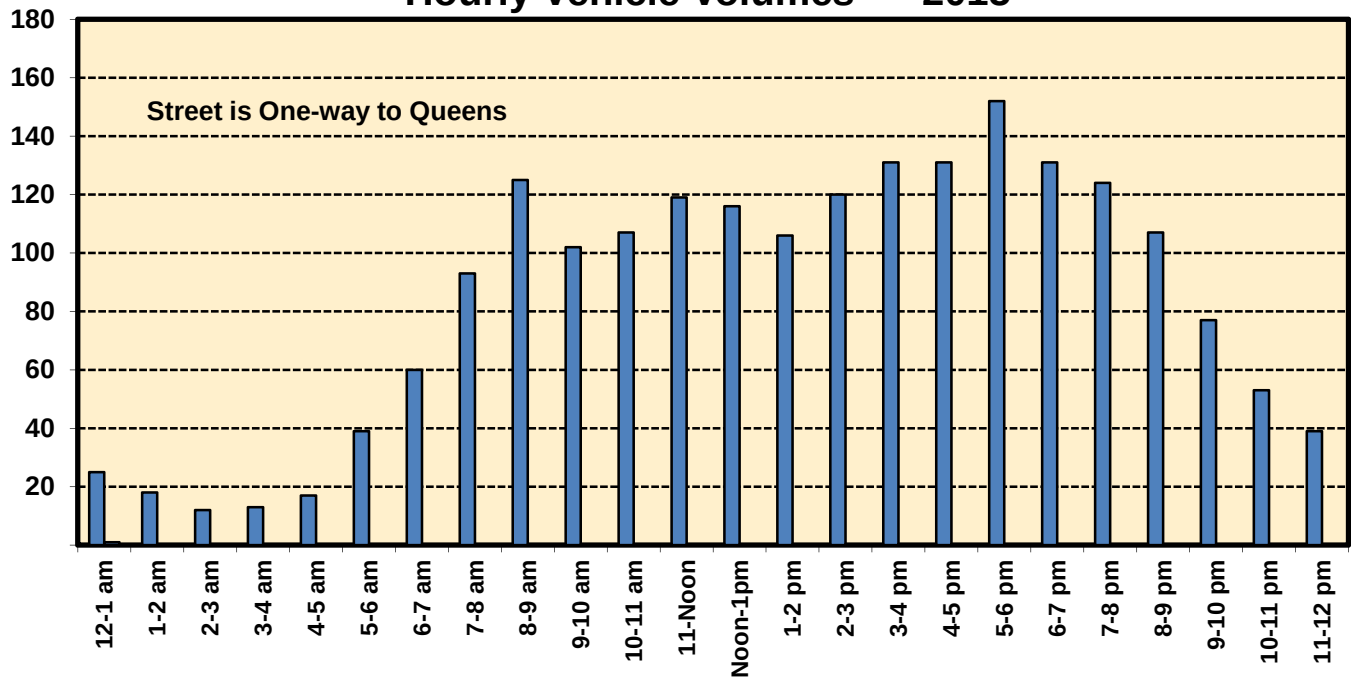


Linden Boulevard Average Daily Traffic Volumes Total of Both Directions

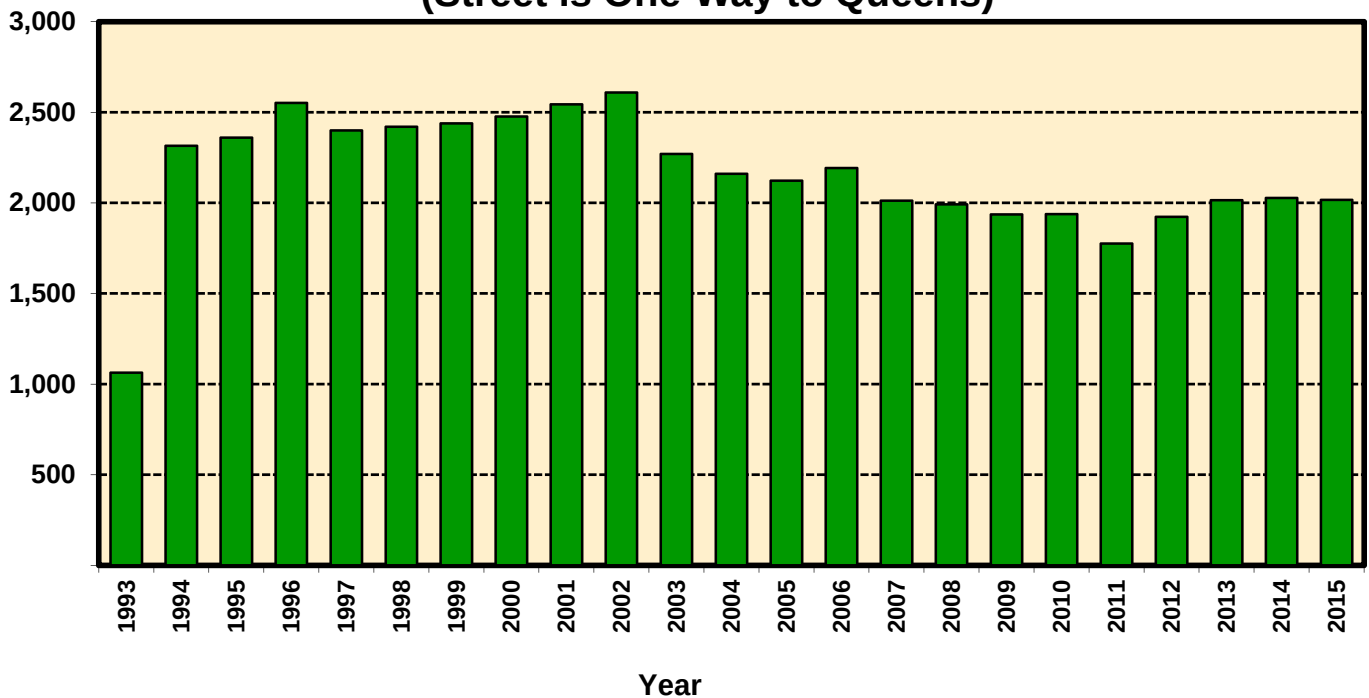


Brooklyn – Queens Screenline Volumes

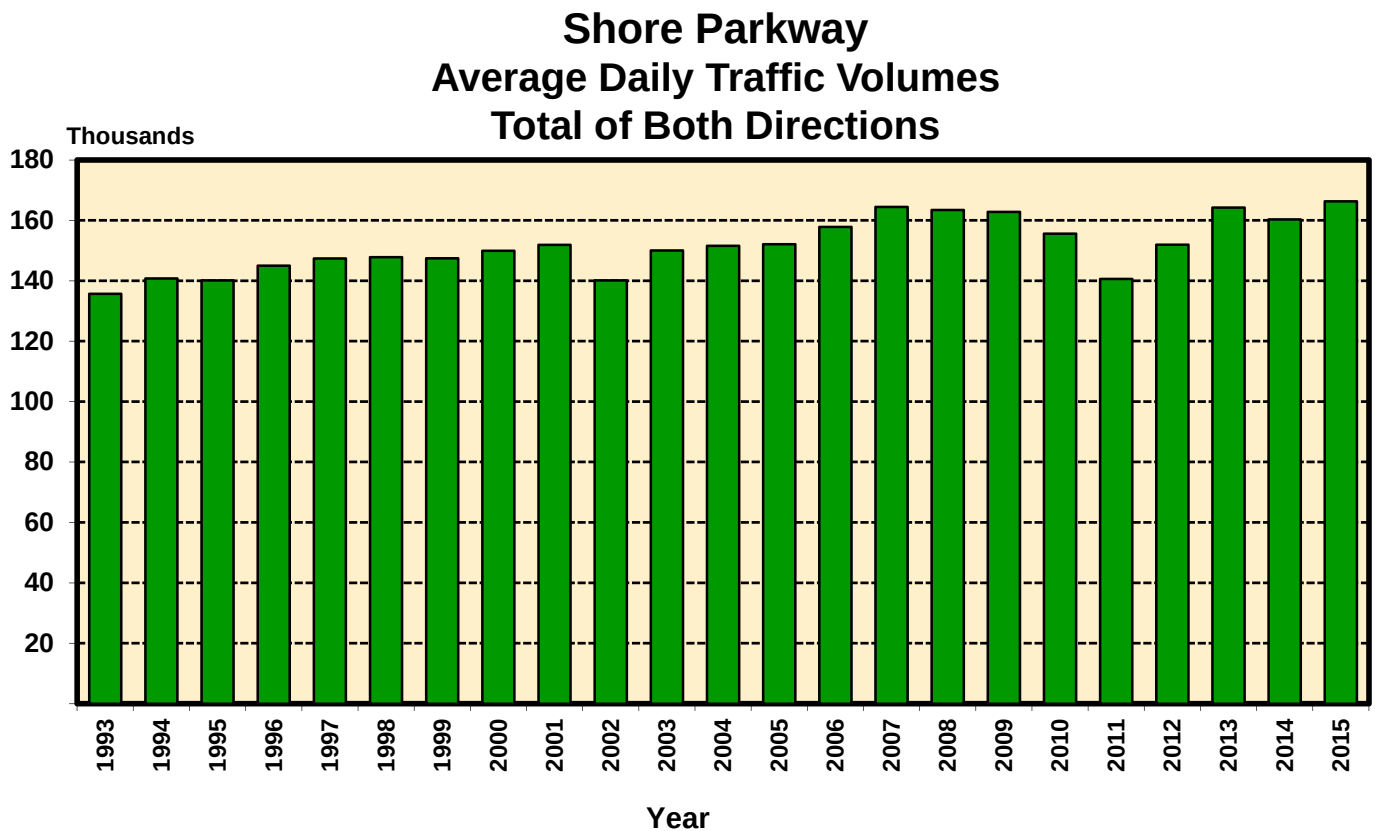
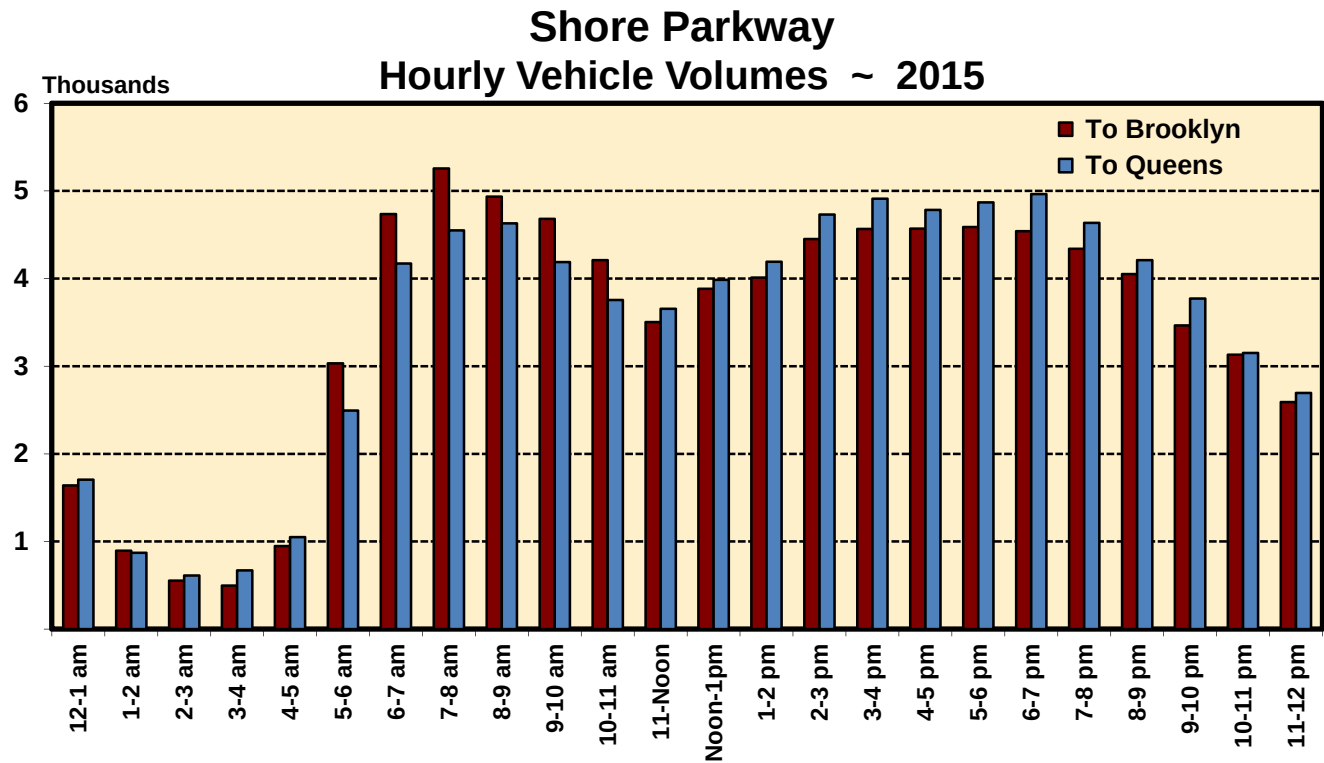
Linden Street Hourly Vehicle Volumes ~ 2015



Linden Street Average Daily Traffic Volumes (Street is One-Way to Queens)

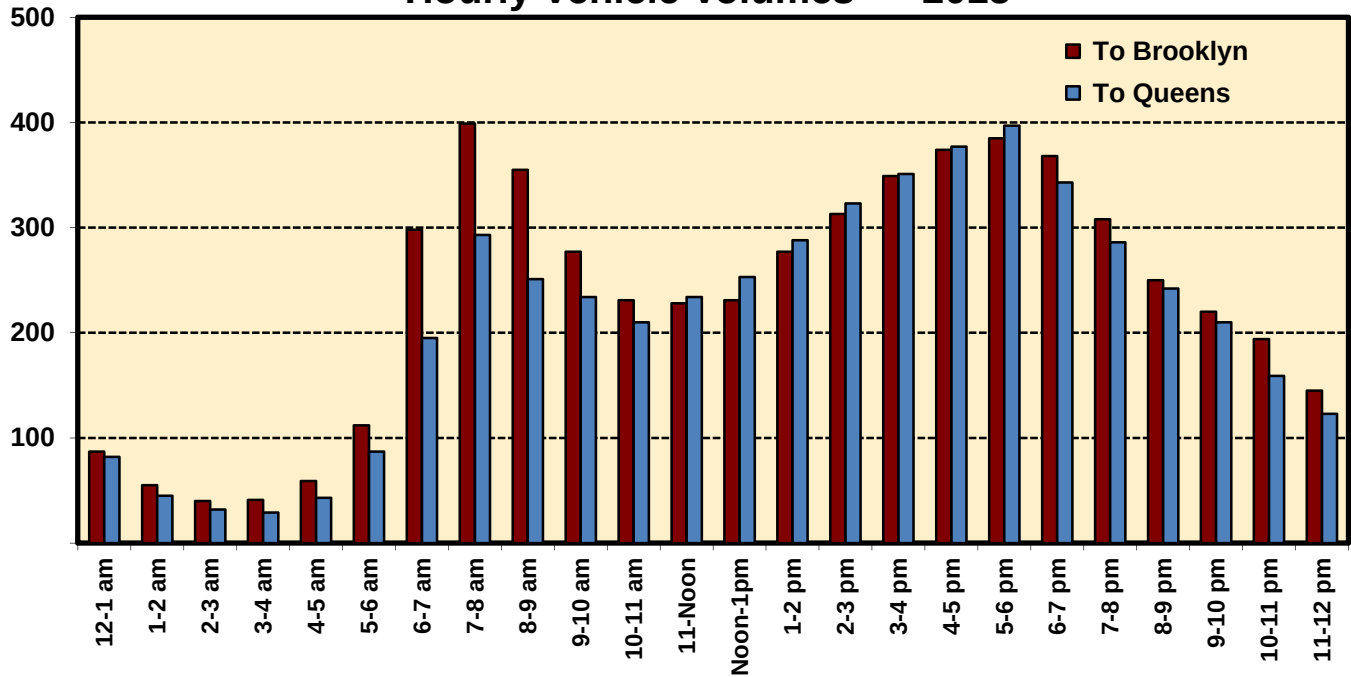


Brooklyn – Queens Screenline Volumes



Brooklyn – Queens Screenline Volumes

Sutter Avenue Hourly Vehicle Volumes ~ 2015



Sutter Avenue Average Daily Traffic Volumes Total of Both Directions

