

2014 New York City Screenline Traffic Flow



Bill de Blasio
Mayor



Polly Trottenberg
Commissioner

A member of the New York Metropolitan Transportation Council

2014 New York City Screenline Traffic Flow

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2014
NEW YORK CITY
SCREENLINE TRAFFIC FLOW



2,216,245

daily vehicles crossed the 32 monitored City border screenline locations in 2014.

0.1% Decrease

from the 2,218,422 daily vehicles recorded in 2013.

6:00am – 10:00am

271,894 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 280,784 daily vehicles.

Henry Hudson Parkway at the Bronx-Westchester screenline.

Queens-Nassau

The highest volumes were at the 15 monitored Queens-Nassau border locations: 962,639 daily vehicles in 2014 (43.4% of total monitored traffic at the City borders).

Bronx-Westchester

620,176 daily vehicles crossed the 11 monitored Bronx-Westchester border locations (28.0% of the total monitored traffic at the City borders).

Manhattan-New Jersey

477,812 daily vehicles crossed the Hudson River between Manhattan and New Jersey (21.6%).

Staten Island-New Jersey

155,618 daily vehicles traveled between Staten Island and New Jersey (7.0%).



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Introduction



Northern Boulevard
at the Queens-Nassau Screenline
(Looking West)

INTRODUCTION

The 2014 *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 2014 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 1993-2013. The statistical analysis presented in the report was performed by staff of NYCDOT during the 2014–2015 and 2015–2016 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.

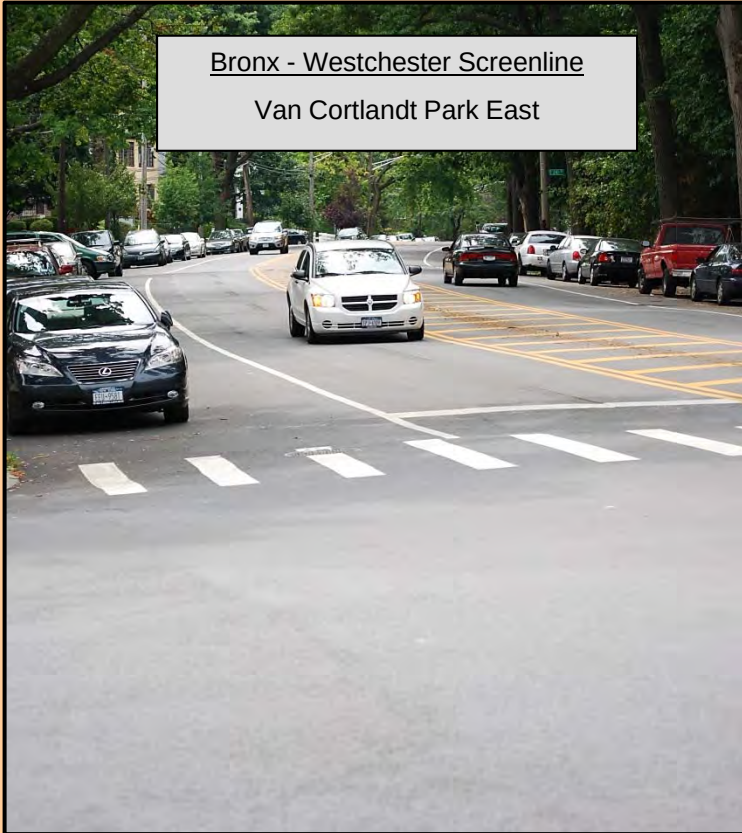
The five functional classifications are defined as follows:

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.

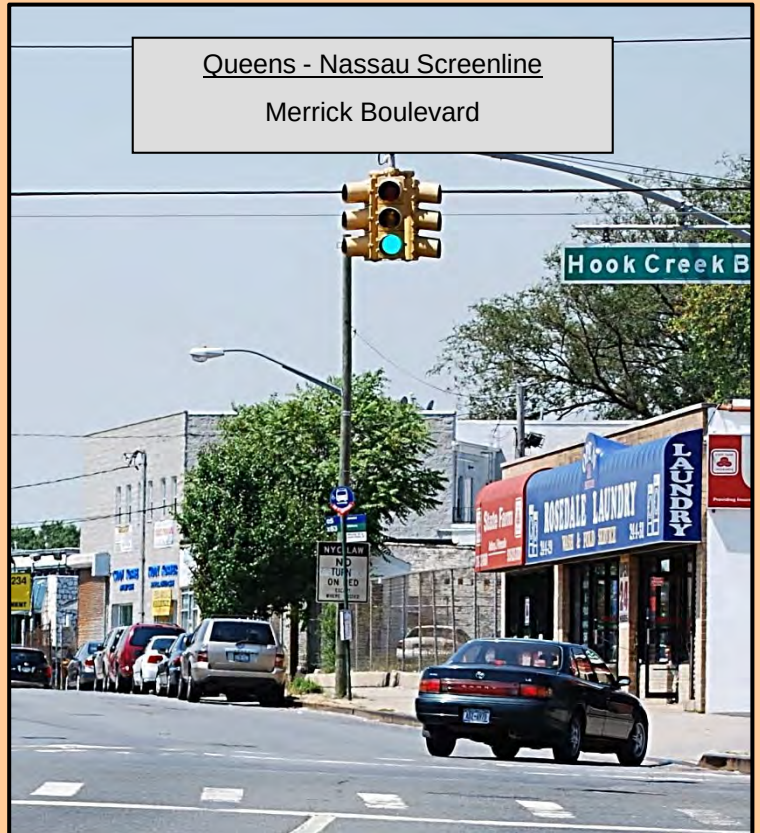
Note: NYCDOT uses the averages of vehicular volumes from selected representative weekdays. Publications from other sources may be based on alternative computation methodologies for some facilities, notably the tolled bridges and tunnels, possibly yielding different results for those facilities.

Summary

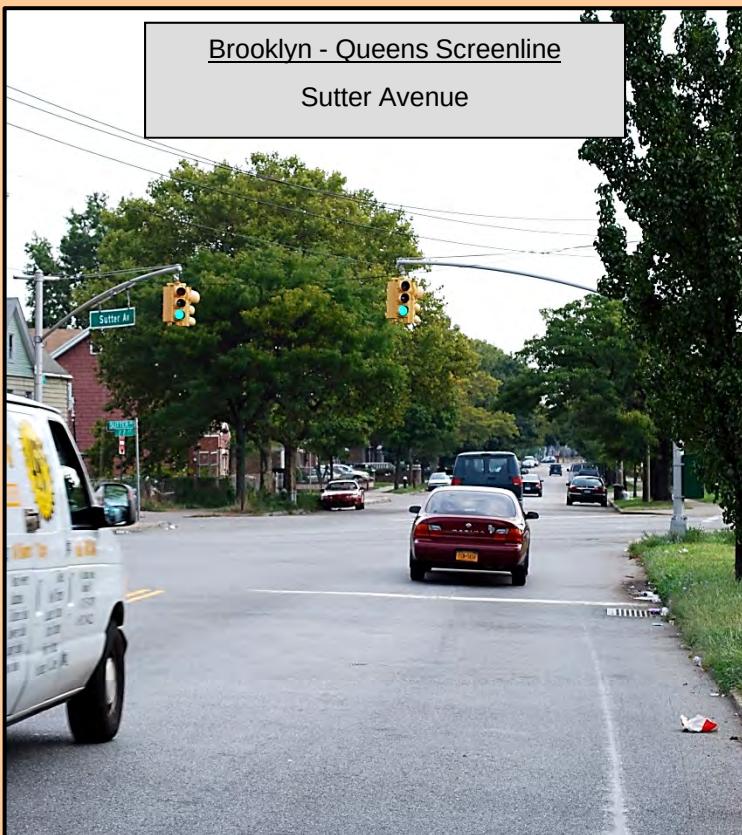
Bronx - Westchester Screenline
Van Cortlandt Park East



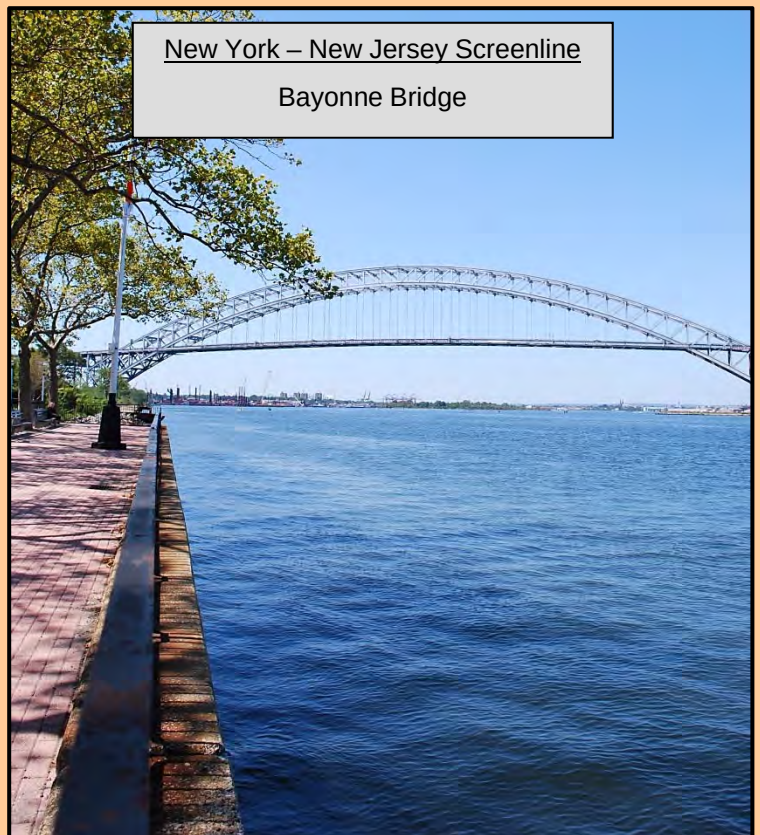
Queens - Nassau Screenline
Merrick Boulevard



Brooklyn - Queens Screenline
Sutter Avenue



New York – New Jersey Screenline
Bayonne Bridge



SUMMARY

2014 Daily Traffic

- 2,216,245 motor vehicles crossed the 32 New York City border screenline monitoring locations on a typical weekday in 2014, a decrease of 0.1% from the 2,218,422 daily vehicles recorded in 2013.
 - 43.4% of recorded vehicles were at the Queens–Nassau border (962,639 daily vehicles).
 - 28.0% at the Bronx–Westchester border (620,176 daily vehicles).
 - 21.6% at the three Manhattan–New Jersey river crossings operated by the Port Authority of New York and New Jersey (477,812 daily vehicles).
 - 7.0% at the three Port Authority Staten Island–New Jersey bridges (155,618 daily vehicles).
- During the 7-8 am inbound morning peak hour, 74,007 vehicles entered the City limits from Nassau, Westchester, and New Jersey. Between 6-10 am, a total of 271,894 vehicles entered the City.
- During the 5-6 pm outbound evening peak hour, 77,143 vehicles left the City. Between 3-7 pm, 302,587 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 8 pm.

Bronx - Westchester

- On a typical 2014 weekday, 620,176 vehicles crossed the eleven Bronx-Westchester screenline monitoring locations, 1.6% more than the 610,332 daily vehicles recorded in 2013.
- 87.5% of the recorded vehicles (542,389 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: 134,498 daily vehicles, 21.7% of the Bronx-Westchester screenline total.
 - 125,397 on the Major Deegan Expressway and service roads, 20.2%.
 - 99,823 on the Henry Hudson Parkway, 16.1%.
 - 92,642 on the Bronx River Parkway, 14.9%.
 - 90,029 on the Hutchinson River Parkway, 14.5%.
- Boston Road is the busiest principal arterial monitored, with 23,853 vehicles per day, 3.8% of the screenline total.

- During the 7-8 am inbound morning peak hour, 23,388 vehicles entered The Bronx from Westchester, with 86.8% (20,309 vehicles) using the five limited access facilities according to the following breakdown.
 - 4,586 on the Henry Hudson Parkway.
 - 4,467 on the Major Deegan Expressway and its service road.
 - 3,689 on the New England Thruway.
 - 3,228 on the Hutchinson River Parkway.
 - 4,339 on the Bronx River Parkway.
- Between 6-10 am, 79,255 vehicles entered The Bronx, with 87.6% (69,391 vehicles) using the five limited access facilities as follows.
 - 15,824 on the Major Deegan Expressway and its service road.
 - 15,469 on the Henry Hudson Parkway.
 - 13,403 on the New England Thruway.
 - 13,458 on the Bronx River Parkway.
 - 11,237 on the Hutchinson River Parkway.
- During the 4-5 pm outbound evening peak hour, 21,499 vehicles crossed from The Bronx into Westchester. A total of 18,747 (87.2% of the total) used the five limited access highways as follows.
 - 4,761 on the Major Deegan Expressway and its service road.
 - 3,791 on the Henry Hudson Parkway.
 - 3,689 on the Bronx River Parkway.
 - 3,784 on the New England Thruway.
 - 2,722 on the Hutchinson River Parkway.
- Between 3-7 pm, 83,747 vehicles left The Bronx, with 72,987 (87.2%) using the five limited access facilities as follows.
 - 18,234 on the Major Deegan Expressway and its service road.
 - 14,696 on the New England Thruway.
 - 14,424 on the Henry Hudson Parkway.
 - 14,552 on the Bronx River Parkway.
 - 11,081 on the Hutchinson River Parkway.
 - Heavy Reverse Traffic 3-7 pm: 77,993 vehicles inbound to The Bronx, 83,747 outbound to Westchester.

Queens - Nassau

- A total of 962,639 motor vehicles crossed the fifteen Queens-Nassau screenline monitoring locations on a typical 2014 weekday, 0.8% fewer than the 970,004 daily vehicles recorded in 2013.

- The three limited access highways that cross the screenline accommodated more than half (58.6%) of the recorded vehicles (563,754 per day).
 - 235,978 on the Long Island Expressway and its service roads (24.5%).
 - 163,994 on the Laurelton Parkway (17.0%).
 - 163,782 on the Grand Central Parkway and its service road (17.0%).
- Busiest Queens-Nassau Screenline arterials:
 - Rockaway Boulevard, 73,993 vehicles per day.
 - Sunrise Highway/South Conduit Avenue, 65,976 vehicles per day.
 - Northern Boulevard, 41,956 vehicles per day.
 - Hempstead Avenue, 38,886 vehicles per day.
- During the 7-8 am inbound morning peak hour, 28,676 vehicles entered Queens from Nassau. A total of 15,533 of those vehicles (54.2% of the total) were on the three limited access facilities.
 - 6,420 on the Long Island Expressway and service road.
 - 4,285 on the Laurelton Parkway.
 - 4,828 on the Grand Central Parkway and service road.
- Between 8-9 am, 30,925 vehicles entered Nassau from Queens, including 18,017 (58.3% of the total) using the three limited access facilities.
 - 7,044 on the Long Island Expressway and service road.
 - 6,264 on the Grand Central Parkway and service road.
 - 4,709 on the Laurelton Parkway.
- During the 6-10 am rush period, 107,829 vehicles entered Queens from Nassau, and 104,905 entered Nassau from Queens. The three limited access facilities served 61,995 of these Queens-bound vehicles, and 64,444 of the Nassau-bound vehicles.
 - Long Island Expressway and service roads: 24,995 to Queens; 26,043 to Nassau.
 - Laurelton Parkway: 18,016 to Queens; 17,325 to Nassau.
 - Grand Central Parkway and its service road: 18,984 to Queens; 21,076 to Nassau.
- The evening outbound peak hour occurred between 3-4 pm, when 32,665 vehicles entered Nassau from Queens. The three limited access facilities were used by 18,510 of these Nassau-bound vehicles.
 - 7,180 on the Long Island Expressway and service road.
 - 5,636 on the Laurelton Parkway.
 - 5,694 on the Grand Central Parkway and service road.

- The evening inbound peak hour occurred between 5-6 pm, when 30,998 vehicles entered Queens from Nassau. The three limited access facilities were used by 16,747 of these Queens-bound vehicles.
 - 6,773 on the Long Island Expressway and service road.
 - 4,408 on the Laurelton Parkway.
 - 5,566 on the Grand Central Parkway and service road.
- During the 3-7 pm rush period, 128,947 vehicles entered Nassau from Queens, and 115,896 entered Queens from Nassau. The three limited access facilities were used by 71,783 of these Nassau-bound vehicles and 63,618 of the Queens-bound vehicles.
 - Long Island Expressway and service roads: 27,482 to Nassau; 25,969 to Queens.
 - Laurelton Parkway: 23,322 to Nassau; 16,796 to Queens.
 - Grand Central Parkway and service road: 20,979 to Nassau; 20,853 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 2014 weekday, 633,430 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), 0.7% fewer than the 638,086 daily vehicles recorded in 2013.
- Manhattan-New Jersey traffic decreased 0.4%, to 477,812 daily vehicles in 2014 from 479,819 in 2013.
 - Holland Tunnel traffic decreased 3.1%, to 87,232 daily vehicles in 2014 from 90,012 in 2013.
 - Lincoln Tunnel traffic decreased 2.1%, to 109,796 daily vehicles in 2014 from 112,162 in 2013.
 - George Washington Bridge traffic increased 1.1%, to 280,784 daily vehicles in 2014 from 277,645 in 2013. This is the busiest of all New York City screenline locations, carrying 43.5% of total New York City-New Jersey traffic, and 58.8% of Manhattan-New Jersey traffic.
- 19,089 vehicles entered Manhattan from New Jersey during the 6-7 am morning peak hour. The George Washington Bridge was used by 11,133 (58.3%) of those Manhattan-bound peak hour vehicles.
- During the 6-10 am inbound rush period, Manhattan vehicle entries from New Jersey amounted to 66,339. The George Washington Bridge was the route for 56.8% of these 6-10 am entries (37,713 vehicles).
- 18,938 vehicles departed Manhattan for New Jersey during the 5-6 pm evening peak hour, with the George Washington Bridge accommodating 11,787 (62.2%) of those departing vehicles.

- During the 3-7 pm evening rush period, 70,791 vehicles crossed the Hudson River from Manhattan to New Jersey. The George Washington Bridge carried 60.7% of that departing traffic (42,992 vehicles).
- Staten Island-New Jersey traffic decreased 1.7%, to 155,618 daily vehicles in 2014 from 158,267 in 2013.
 - Bayonne Bridge traffic decreased 18.2%, to 15,166 daily vehicles in 2014 from 18,541 in 2013. Reconstruction activities reduced the capacity of this bridge in 2014.
 - Goethals Bridge traffic decreased 3.5%, to 70,419 daily vehicles in 2014 from 72,986 in 2013.
 - Outerbridge Crossing traffic increased 4.9%, to 70,033 daily vehicles in 2014 from 66,740 in 2013.
- Between 6-10 am, 19,022 vehicles crossed from Staten Island to New Jersey while 18,471 vehicles entered Staten Island.
- Between 3-7 pm, traffic entering Staten Island from New Jersey amounted to 23,451 vehicles, while traffic bound for New Jersey totaled 19,102 vehicles.

Brooklyn - Queens

- On a typical 2014 weekday, 595,881 vehicles crossed the fifteen monitored Brooklyn-Queens screenline locations, 2.0% fewer than the 607,807 daily vehicles recorded in 2013.
- 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 (69.2%) of the vehicles (412,234 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 44.6% (265,928 per day) were crossing Newtown Creek via the Grand Street, J.J. Byrne, Kosciuszko, and Pulaski Bridges.
- Kosciuszko Bridge on the Brooklyn-Queens Expressway is the busiest Brooklyn-Queens screenline highway, with two-way daily volume of 184,025 daily vehicles, 30.9% of all traffic on the monitored thoroughfares and 69.2% of Newtown Creek crossings.
- Busiest Brooklyn-Queens Screenline arterials in 2014:
 - Belt Parkway (Shore Parkway), 160,304 vehicles per day.
 - Jackie Robinson Parkway, 67,905 vehicles per day.
 - Linden Boulevard, 44,997 vehicles per day.
 - Pulaski Bridge, 40,405 vehicles per day.
 - J.J. Byrne Memorial Bridge (Greenpoint Avenue Bridge), 27,836 vehicles per day.
 - Atlantic Avenue, 24,515 vehicles per day.

- Morning traffic to Brooklyn peaked between 7-8 am, when 19,878 vehicles entered Brooklyn.
 - 4,785 on the Kosciuszko Bridge.
 - 5,310 on the Belt Parkway (Shore Parkway).
- Morning traffic to Queens peaked between 8-9 am, at 16,317 vehicles.
 - 4,783 on the Kosciuszko Bridge.
 - 4,408 on the Belt Parkway (Shore Parkway).
- During the 6-10 am rush period, 71,764 vehicles entered Brooklyn and 61,751 entered Queens.
 - Kosciuszko Bridge: 18,687 to Brooklyn; 19,039 to Queens.
 - Belt Parkway (Shore Parkway): 19,587 to Brooklyn; 16,594 to Queens.
- Evening traffic to Brooklyn peaked between 3-4 pm, with 17,246 vehicles entering Brooklyn from Queens.
 - 4,740 on Kosciuszko Bridge.
 - 4,595 on Belt Parkway (Shore Parkway).
- Evening traffic to Queens peaked between 5-6 pm, with 19,249 vehicles entering Queens from Brooklyn.
 - 4,917 on Kosciuszko Bridge.
 - 4,916 on Belt Parkway (Shore Parkway).
- During the 3-7 pm rush period, 74,704 vehicles entered Queens and 66,769 entered Brooklyn.
 - Kosciuszko Bridge: 19,795 to Queens; 16,987 to Brooklyn.
 - Belt Parkway (Shore Parkway): 19,405 to Queens; 18,622 to Brooklyn.

2013 vs. 2014

Screenline Traffic Volume Trends

Both Directions

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BRONX-WESTCHESTER	Highway Functional Classification	2013	2014	Percent Change
Boston Road	Principal Arterial	22,518	23,853	5.9 %
Broadway	Principal Arterial	14,575	14,106	- 3.2 %
Bronx River Parkway	Principal Arterial	92,925	92,642	- 0.3 %
Henry Hudson Parkway	Principal Arterial	96,196	99,823	3.8 %
Hutchinson River Parkway	Principal Arterial	88,137	90,029	2.1 %
Major Deegan Expressway *	Interstate	121,537	125,397	3.2 %
New England Thruway	Interstate	134,597	134,498	- 0.1 %
Riverdale Avenue	Principal Arterial	9,030	8,826	- 2.3 %
Van Cortlandt Park East	Minor Arterial	9,134	8,610	- 5.7 %
Webster Avenue	Local	9,031	9,523	5.4 %
White Plains Road	Principal Arterial	12,652	12,869	1.7 %
Total Bronx-Westchester Screenline		610,332	620,176	1.6 %

QUEENS-NASSAU

Beach Channel Drive	Minor Arterial	23,380	21,005	- 10.2 %
Central Avenue	Minor Arterial	13,912	14,775	6.2 %
Grand Central Parkway *	Principal Arterial	158,517	163,782	3.3 %
Hempstead Avenue	Principal Arterial	42,994	38,886	- 9.6 %
Hillside Avenue	Principal Arterial	26,951	27,042	0.3 %
Jamaica Avenue	Principal Arterial	26,185	26,622	1.7 %
Laurelton Parkway	Principal Arterial	169,411	163,994	- 3.2 %
Linden Boulevard	Principal Arterial	26,737	25,204	- 5.7 %
Long Island Expressway *	Interstate	231,438	235,978	2.0 %
Merrick Boulevard	Minor Arterial	20,860	20,877	0.1 %
Northern Boulevard	Principal Arterial	41,328	41,956	1.5 %
Rockaway Boulevard	Principal Arterial	77,868	73,993	- 5.0 %
Seagirt Boulevard	Principal Arterial	22,016	20,719	- 5.9 %
Sunrise Highway	Principal Arterial	66,837	65,976	- 1.3 %
Union Turnpike	Principal Arterial	21,570	21,830	1.2 %

Total Queens-Nassau Screenline		970,004	962,639	- 0.8 %
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* Includes Service Roads.

2013 vs. 2014

Screenline Traffic Volume Trends

Both Directions

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NEW YORK - NEW JERSEY	Highway Functional Classification	2013	2014	Percent Change
Manhattan - New Jersey				
George Washington Bridge	Interstate	277,645	280,784	1.1 %
Holland Tunnel	Interstate	90,012	87,232	- 3.1 %
Lincoln Tunnel	Principal Arterial	112,162	109,796	- 2.1 %
Subtotal, Manhattan - New Jersey		479,819	477,812	- 0.4 %
Staten Island - New Jersey				
Bayonne Bridge	Principal Arterial	18,541	15,166	- 18.2 %
Goethals Bridge	Interstate	72,986	70,419	- 3.5 %
Outerbridge Crossing	Principal Arterial	66,740	70,033	4.9 %
Subtotal, Staten Island - New Jersey		158,267	155,618	- 1.7 %
Total New York - New Jersey Screenline		638,086	633,430	- 0.7 %

NEW YORK CITY BORDERS TOTAL

Bronx - Westchester		610,332	620,176	1.6 %
Queens - Nassau		970,004	962,639	- 0.8 %
Manhattan - New Jersey		479,819	477,812	- 0.4 %
Staten Island - New Jersey		158,267	155,618	- 1.7 %
Total New York City Border Screenlines		2,218,422	2,216,245	- 0.1 %

2013 vs. 2014

Screenline Traffic Volume Trends

Both Directions

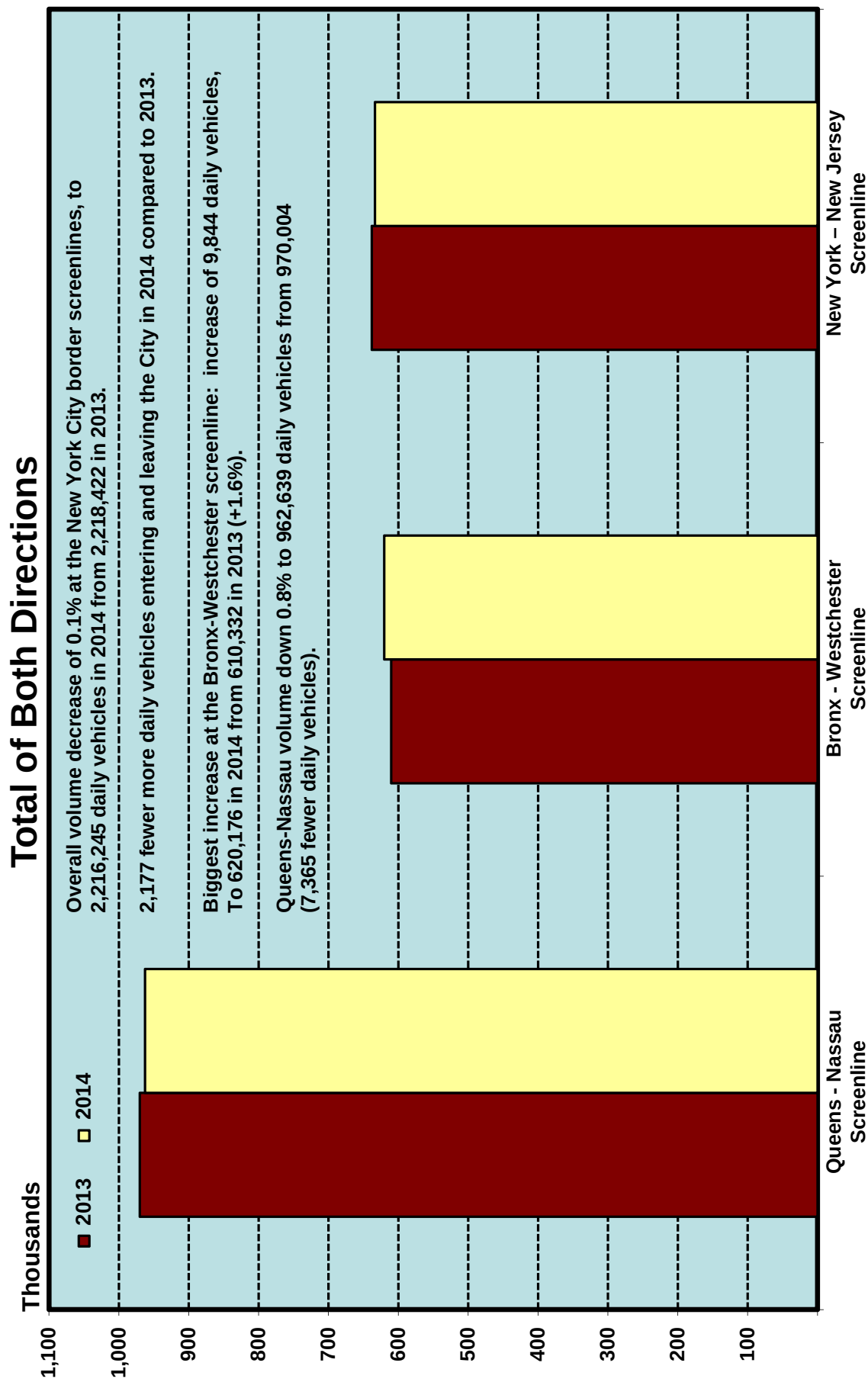
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BROOKLYN - QUEENS	Highway Functional Classification	2013	2014	Percent Change
Newtown Creek Bridges				
Grand Street Bridge	Principal Arterial	13,843	13,662	- 1.3 %
J.J. Byrne Memorial Bridge *	Principal Arterial	25,701	27,836	8.3 %
Kosciuszko Bridge	Interstate	191,225	184,025	- 3.8 %
Pulaski Bridge	Principal Arterial	39,076	40,405	3.4 %
Subtotal, Newtown Creek Bridges		269,845	265,928	- 1.5 %
Other Facilities				
Atlantic Avenue	Principal Arterial	25,212	24,515	- 2.8 %
Cooper Street	Minor Arterial	9,697	9,056	- 6.6 %
Cornelia Street	Local	1,872	1,743	- 6.9 %
Decatur Street	Collector	2,222	2,326	4.7 %
DeKalb Avenue	Minor Arterial	4,768	4,772	0.1 %
Greene Avenue	Minor Arterial	1,505	1,316	- 12.6 %
Jackie Robinson Parkway	Principal Arterial	69,463	67,905	- 2.2 %
Linden Boulevard	Principal Arterial	46,435	44,997	- 3.1 %
Linden Street	Collector	2,015	2,027	0.6 %
Shore Parkway	Principal Arterial	164,240	160,304	- 2.4 %
Sutter Avenue	Minor Arterial	10,533	10,992	4.4 %
Subtotal, Other Facilities		337,962	329,953	- 2.4 %
Total Brooklyn - Queens Screenline		607,807	595,881	- 2.0 %

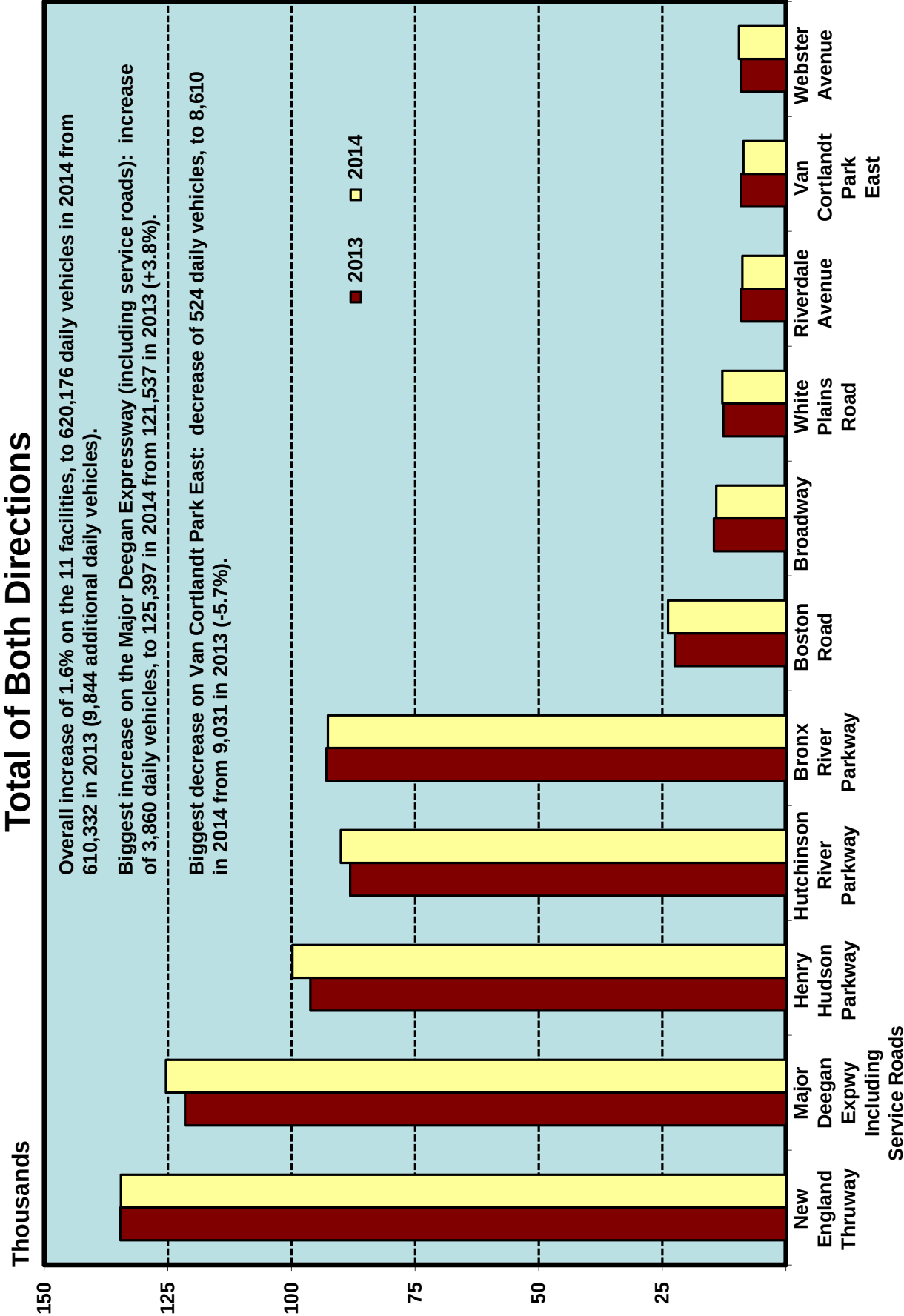
* J.J. Byrne Memorial Bridge also known as Greenpoint Avenue Bridge.

New York City Screenlines ~ Daily Volumes

2014 vs. 2013

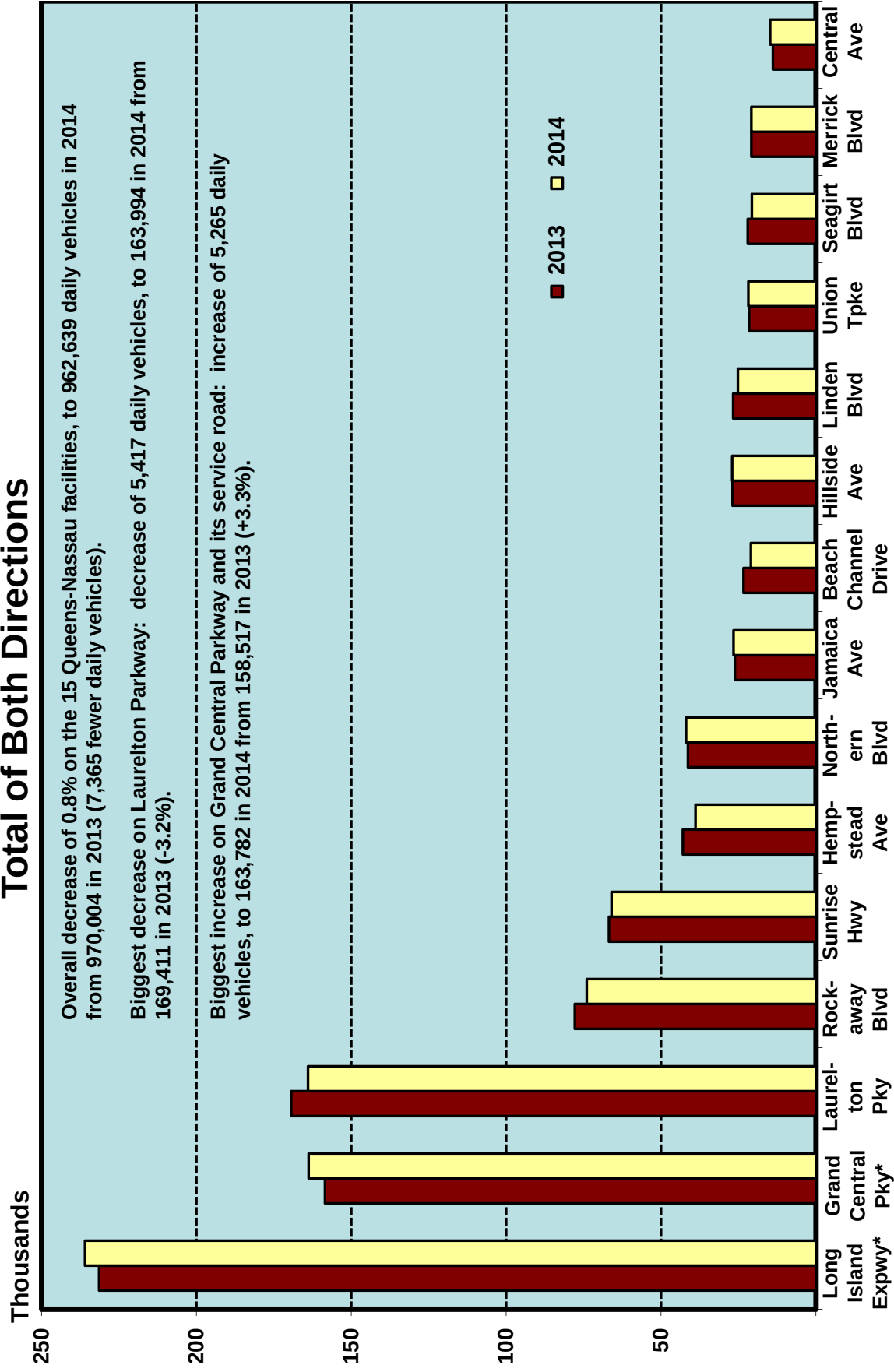


Bronx – Westchester Screenline Daily Volumes 2014 vs. 2013



Queens – Nassau Screenline Daily Volumes 2014 vs. 2013

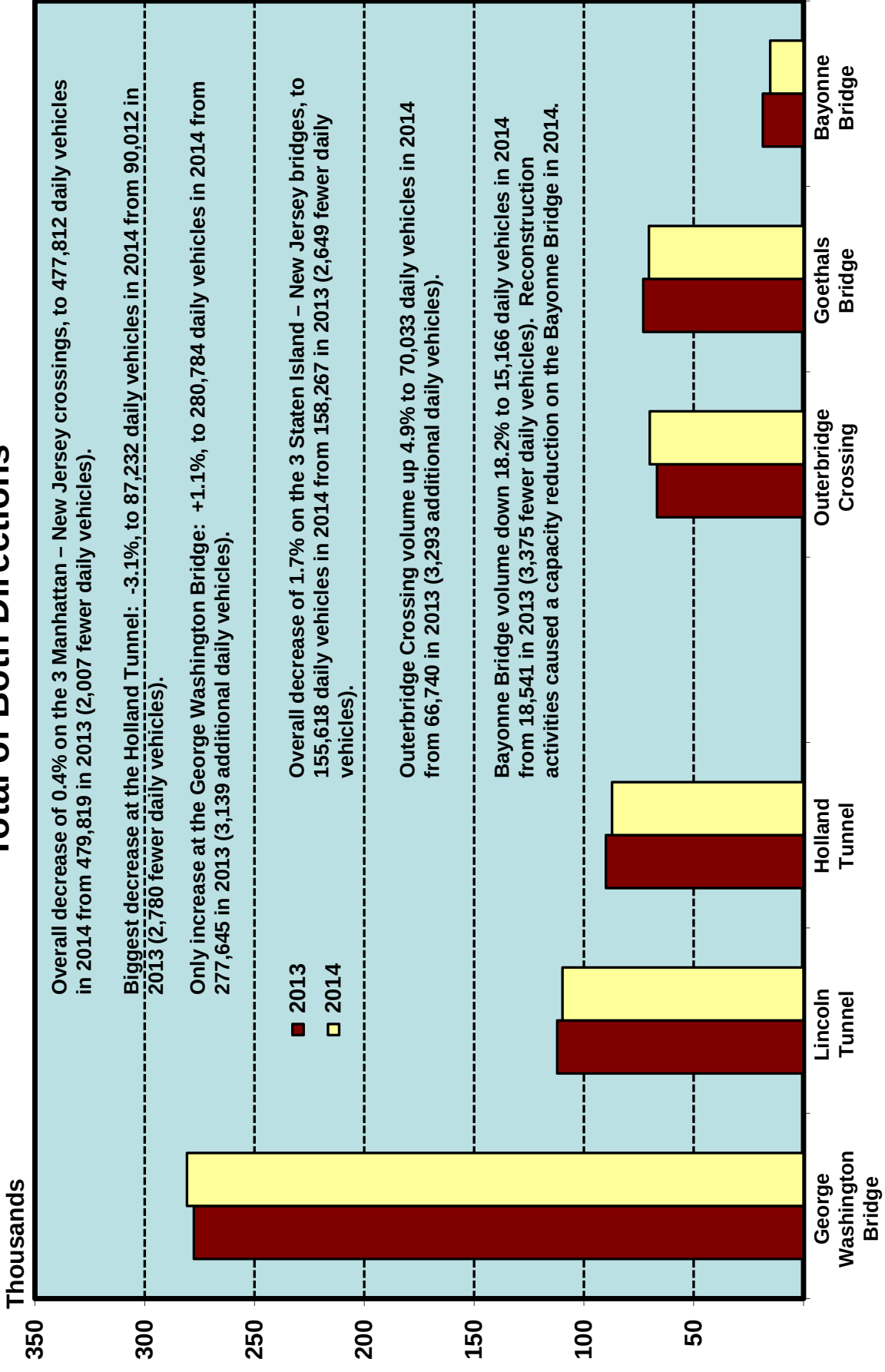
Total of Both Directions



* Includes service roads.

New York – New Jersey Screenline Daily Volumes 2014 vs. 2013

Total of Both Directions

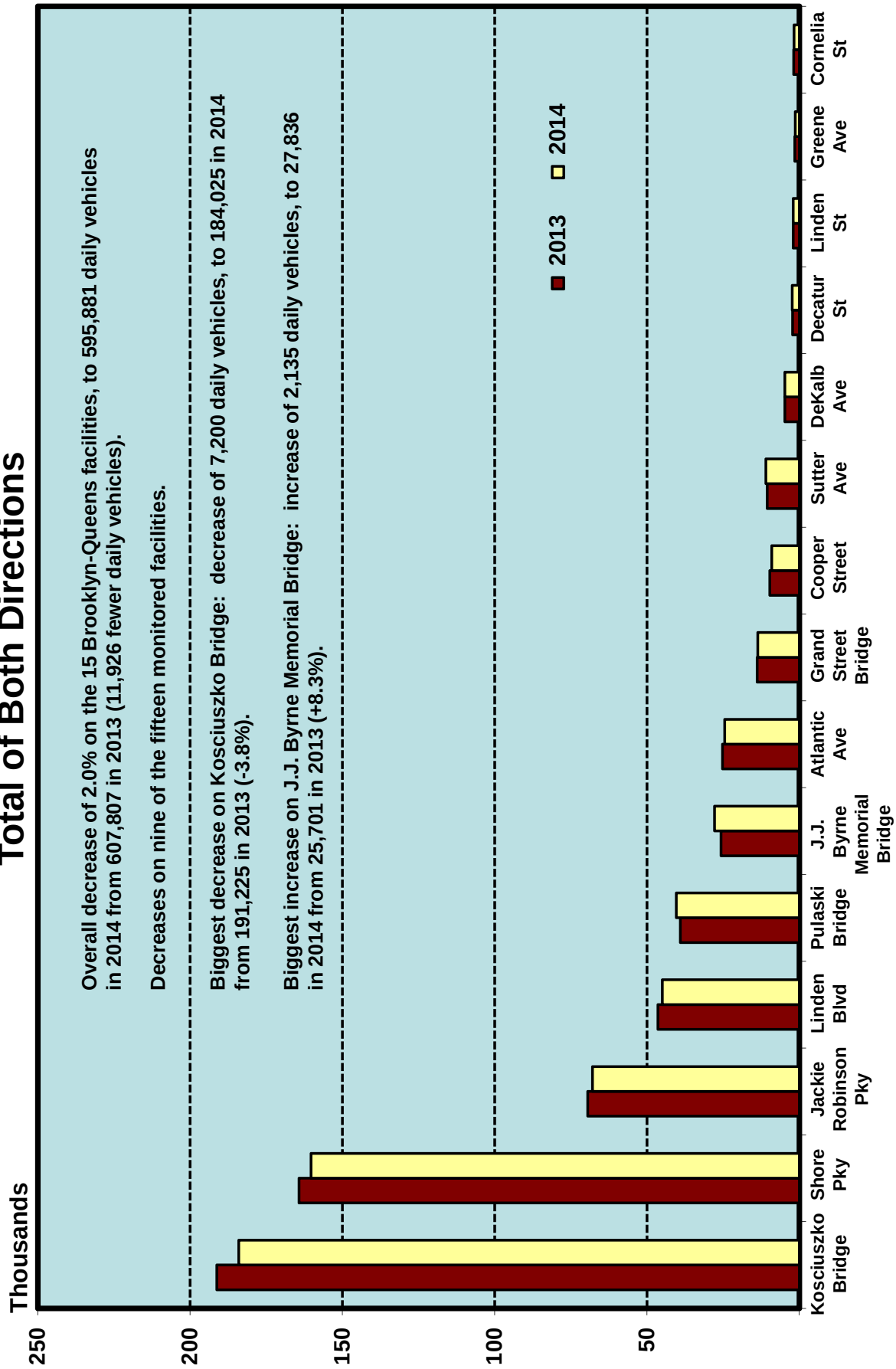


Manhattan – New Jersey Crossings

Staten Island – New Jersey Bridges

Brooklyn - Queens Screenline Daily Volumes 2014 vs. 2013

Total of Both Directions



10-Year Trends ~ 2004-2014



**Hempstead Avenue at the Queens-Nassau Screenline
Looking East**

TEN-YEAR TRENDS: 2004-2014

Total monitored traffic volume at the City boundaries decreased 3.8% during this ten-year period, to 2,216,245 daily vehicles in 2014 from 2,303,563 in 2004 (87,318 fewer daily vehicles).

Bronx – Westchester Screenline

- Overall decrease of 1.1% at the eleven Bronx-Westchester screenline monitoring sites, to 620,176 daily vehicles in 2014 from 627,294 in 2004 (7,118 fewer daily vehicles).
- Volume decreases on seven of the eleven monitored facilities.
- Largest decrease on the Hutchinson River Parkway: down by 6,236 daily vehicles, to 90,029 daily vehicles in 2014 from 96,265 in 2004 (-6.5%).
- Largest increase on the New England Thruway: up 3.4% to 134,498 daily vehicles in 2014 from 130,037 in 2004 (+4,461 daily vehicles).

Queens – Nassau Screenline

- Overall decrease of 0.3%, at the fifteen Queens-Nassau screenline monitoring locations, to 962,639 daily vehicles in 2014 from 965,605 in 2004 (2,966 fewer daily vehicles).
- Largest increase on the Long Island Expressway and its service roads: up 28.3% to 235,978 daily vehicles in 2014 from 183,862 in 2004 (52,116 additional daily vehicles).
- Largest decrease on the Grand Central Parkway and its service road: decrease of 20,915 daily vehicles to 163,782 in 2014 from 184,697 in 2004 (-11.3%).

Manhattan – New Jersey Screenline

- Overall decrease of 10.9% on the three Hudson River crossings between Manhattan and New Jersey, to 477,812 daily vehicles in 2014 from 536,396 in 2004 (58,584 fewer daily vehicles).
- Decreases on all three Manhattan-New Jersey crossings.
- Largest decrease at the George Washington Bridge: decrease of 34,282 daily vehicles, to 280,784 in 2014 from 315,066 in 2004 (-10.9%).

Staten Island – New Jersey Screenline

- Overall decrease of 10.7% on the three Staten Island-New Jersey bridges, to 155,618 daily vehicles in 2014 from 174,268 in 2004 (18,650 fewer daily vehicles).
- Decreases on all three Staten Island-New Jersey bridges.
- Largest decrease on the Outerbridge Crossing: -12.7%, to 70,033 daily vehicles in 2014 from 80,226 in 2004 (10,193 fewer daily vehicles).

Brooklyn – Queens Screenline

- Overall decrease of 3.0% at the fifteen monitored Brooklyn-Queens screenline locations, to 595,881 daily vehicles in 2014 from 614,534 in 2004 (18,653 fewer daily vehicles).
- Decreases on eleven of the fifteen monitored facilities.
- Largest decrease on the Kosciuszko Bridge: decrease of 9,587 daily vehicles, to 184,025 daily vehicles in 2014 from 193,612 in 2004 (-5.0%).
- Largest increase on Shore Parkway: increase of 8,699 daily vehicles, to 160,304 in 2014 from 151,605 in 2004 (+5.7%).
- Decrease of 6,756 daily vehicles on Linden Boulevard, to 44,997 in 2014 from 51,753 in 2004 (-13.1%).
- Decrease of 6,399 daily vehicles on Jackie Robinson Parkway, to 67,905 in 2014 from 74,304 in 2004 (-8.6%).
- Decrease of 4,081 daily vehicles on Atlantic Avenue, to 24,515 in 2014 from 28,596 in 2004 (-14.3%).

10-Year Volume Trends ~ 2004 - 2014

New York City Screenline Traffic Volumes

Both Directions

Page 1 of 2

BRONX-WESTCHESTER	Highway Functional Classification	2004	2014	Percent Change
Boston Road	Principal Arterial	24,612	23,853	- 3.1 %
Broadway	Principal Arterial	15,903	14,106	- 11.3 %
Bronx River Parkway	Principal Arterial	94,139	92,642	- 1.6 %
Henry Hudson Parkway	Principal Arterial	98,050	99,823	1.8 %
Hutchinson River Parkway	Principal Arterial	96,265	90,029	- 6.5 %
Major Deegan Expressway *	Interstate	122,186	125,397	2.6 %
New England Thruway	Interstate	130,037	134,498	3.4 %
Riverdale Avenue	Principal Arterial	11,359	8,826	- 22.3 %
Van Cortlandt Park East	Minor Arterial	10,770	8,610	- 20.1 %
Webster Avenue	Local	11,408	9,523	- 16.5 %
White Plains Road	Principal Arterial	12,565	12,869	2.4 %
Total Bronx-Westchester Screenline		627,294	620,176	- 1.1 %

QUEENS-NASSAU

Beach Channel Drive	Minor Arterial	24,244	21,005	- 13.4 %
Central Avenue	Minor Arterial	14,222	14,775	3.9 %
Grand Central Parkway *	Principal Arterial	184,697	163,782	- 11.3 %
Hempstead Avenue	Principal Arterial	43,662	38,886	- 10.9 %
Hillside Avenue	Principal Arterial	26,373	27,042	2.5 %
Jamaica Avenue	Principal Arterial	30,727	26,622	- 13.4 %
Laurelton Parkway	Principal Arterial	175,403	163,994	- 6.5 %
Linden Boulevard	Principal Arterial	28,488	25,204	- 11.5 %
Long Island Expressway *	Interstate	183,862	235,978	28.3 %
Merrick Boulevard	Minor Arterial	21,006	20,877	- 0.6 %
Northern Boulevard	Principal Arterial	44,802	41,956	- 6.4 %
Rockaway Boulevard	Principal Arterial	73,932	73,993	0.1 %
Seagirt Boulevard	Principal Arterial	21,044	20,719	- 1.5 %
Sunrise Highway	Principal Arterial	68,127	65,976	- 3.2 %
Union Turnpike	Principal Arterial	25,016	21,830	- 12.7 %
Total Queens-Nassau Screenline		965,605	962,639	- 0.3 %

* Includes Service Roads.

10-Year Volume Trends ~ 2004 - 2014

New York City Screenline Traffic Volumes

Both Directions

Page 2 of 2

NEW YORK - NEW JERSEY	Highway Functional Classification	2004	2014	Percent Change
George Washington Bridge	Interstate	315,066	280,784	- 10.9 %
Holland Tunnel	Interstate	96,171	87,232	- 9.3 %
Lincoln Tunnel	Principal Arterial	125,159	109,796	- 12.3 %
Bayonne Bridge	Principal Arterial	22,510	15,166	- 32.6 %
Goethals Bridge	Interstate	71,532	70,419	- 1.6 %
Outerbridge Crossing	Principal Arterial	80,226	70,033	- 12.7 %
Total New York - New Jersey Screenline		710,664	633,430	- 10.9 %

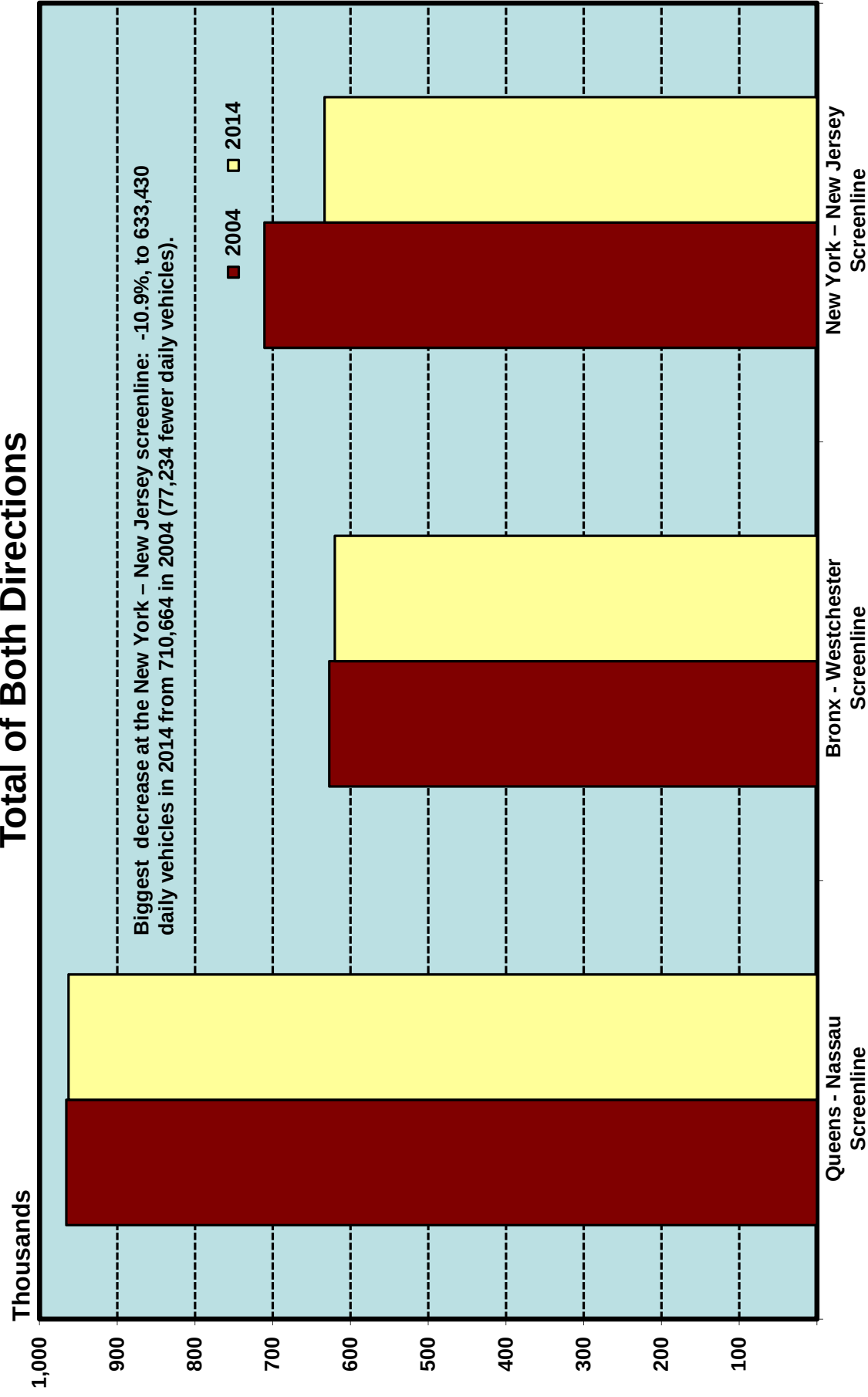
BROOKLYN - QUEENS	Highway Functional Classification	2004	2014	Percent Change
Newtown Creek Bridges				
Grand Street Bridge	Principal Arterial	13,459	13,662	1.5 %
J.J. Byrne Memorial Bridge *	Principal Arterial	28,437	27,836	- 2.1 %
Kosciuszko Bridge	Interstate	193,612	184,025	- 5.0 %
Pulaski Bridge	Principal Arterial	40,146	40,405	0.6 %
Subtotal, Newtown Creek Bridges		275,654	265,928	- 3.5 %
Other Facilities				
Atlantic Avenue	Principal Arterial	28,596	24,515	- 14.3 %
Cooper Street	Minor Arterial	9,220	9,056	- 1.8 %
Cornelia Street	Local	1,844	1,743	- 5.5 %
Decatur Street	Collector	2,332	2,326	- 0.3 %
DeKalb Avenue	Minor Arterial	6,304	4,772	- 24.3 %
Greene Avenue	Minor Arterial	2,029	1,316	- 35.1 %
Jackie Robinson Parkway	Principal Arterial	74,304	67,905	- 8.6 %
Linden Boulevard	Principal Arterial	51,753	44,997	- 13.1 %
Linden Street	Collector	2,161	2,027	- 6.2 %
Shore Parkway	Principal Arterial	151,605	160,304	5.7 %
Sutter Avenue	Minor Arterial	8,732	10,992	25.9 %
Subtotal, Other Facilities		338,880	329,953	- 2.6 %
Total Brooklyn - Queens Screenline		614,534	595,881	- 3.0 %

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

10-Year Volume Changes ~ 2004 - 2014

New York City Screenlines Daily Volumes

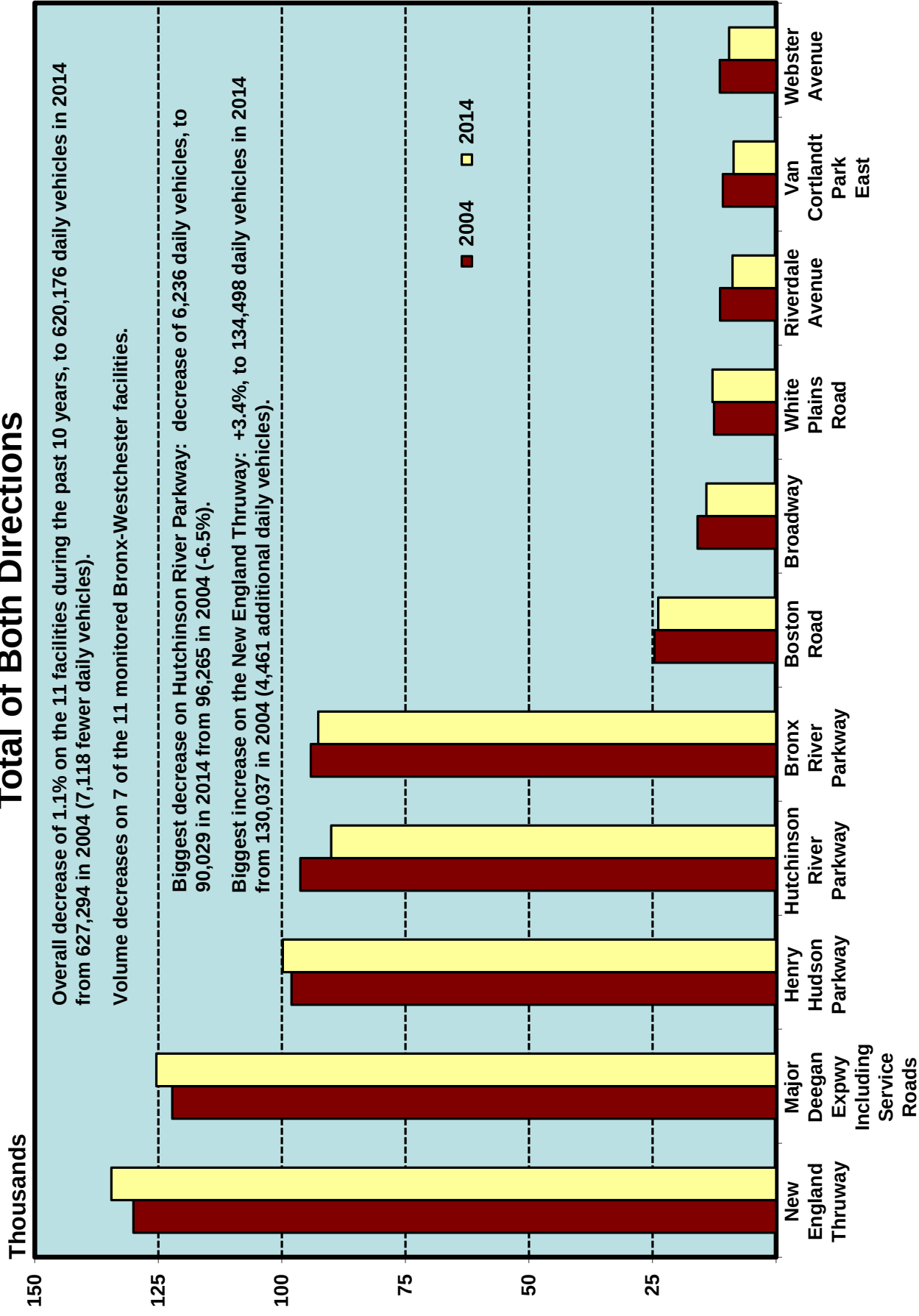
Total of Both Directions



10-Year Volume Changes ~ 2004 - 2014

Bronx – Westchester Screenline Daily Volumes

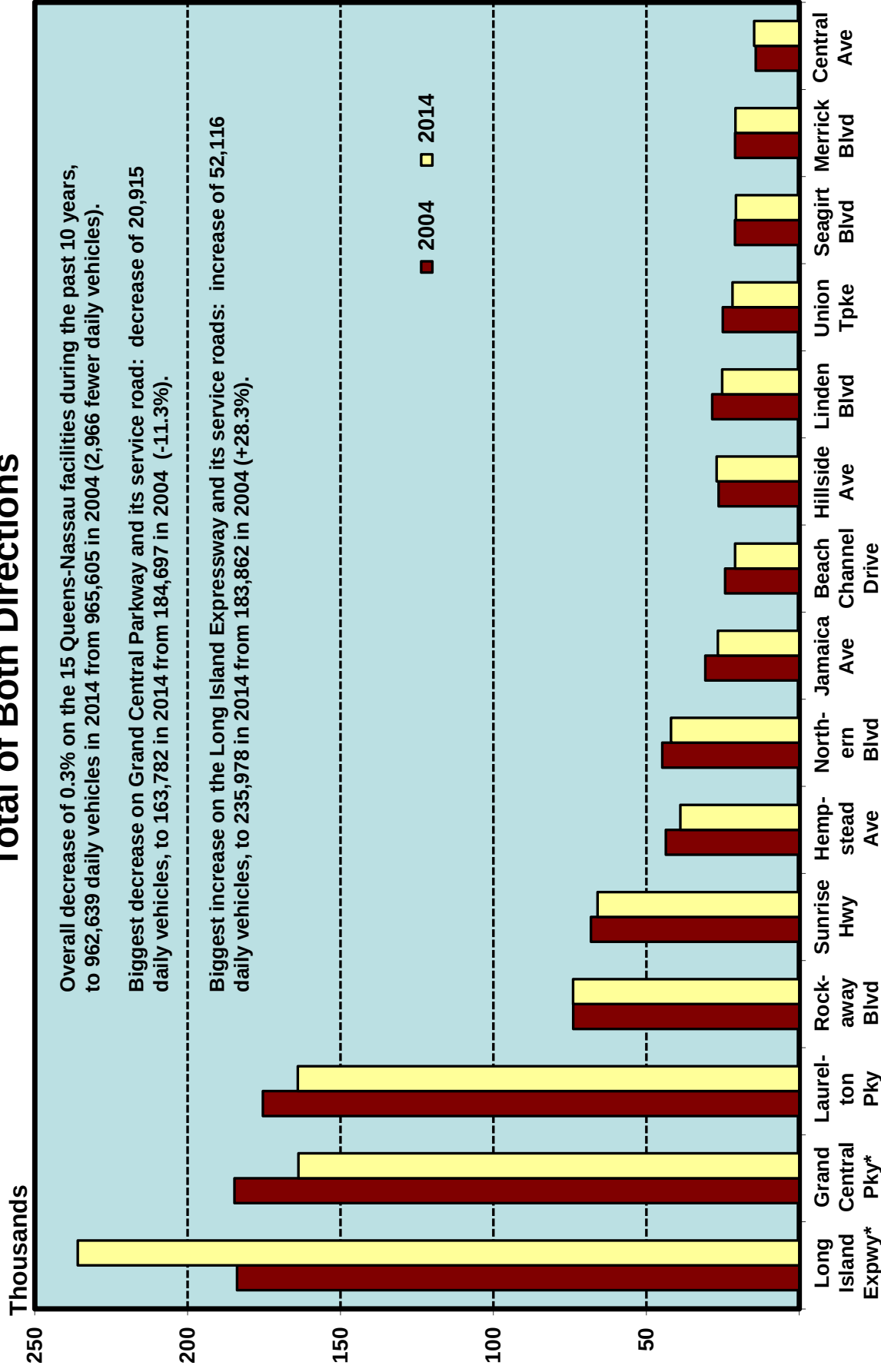
Total of Both Directions



10-Year Volume Changes ~ 2004 - 2014

Queens – Nassau Screenline Daily Volumes

Total of Both Directions

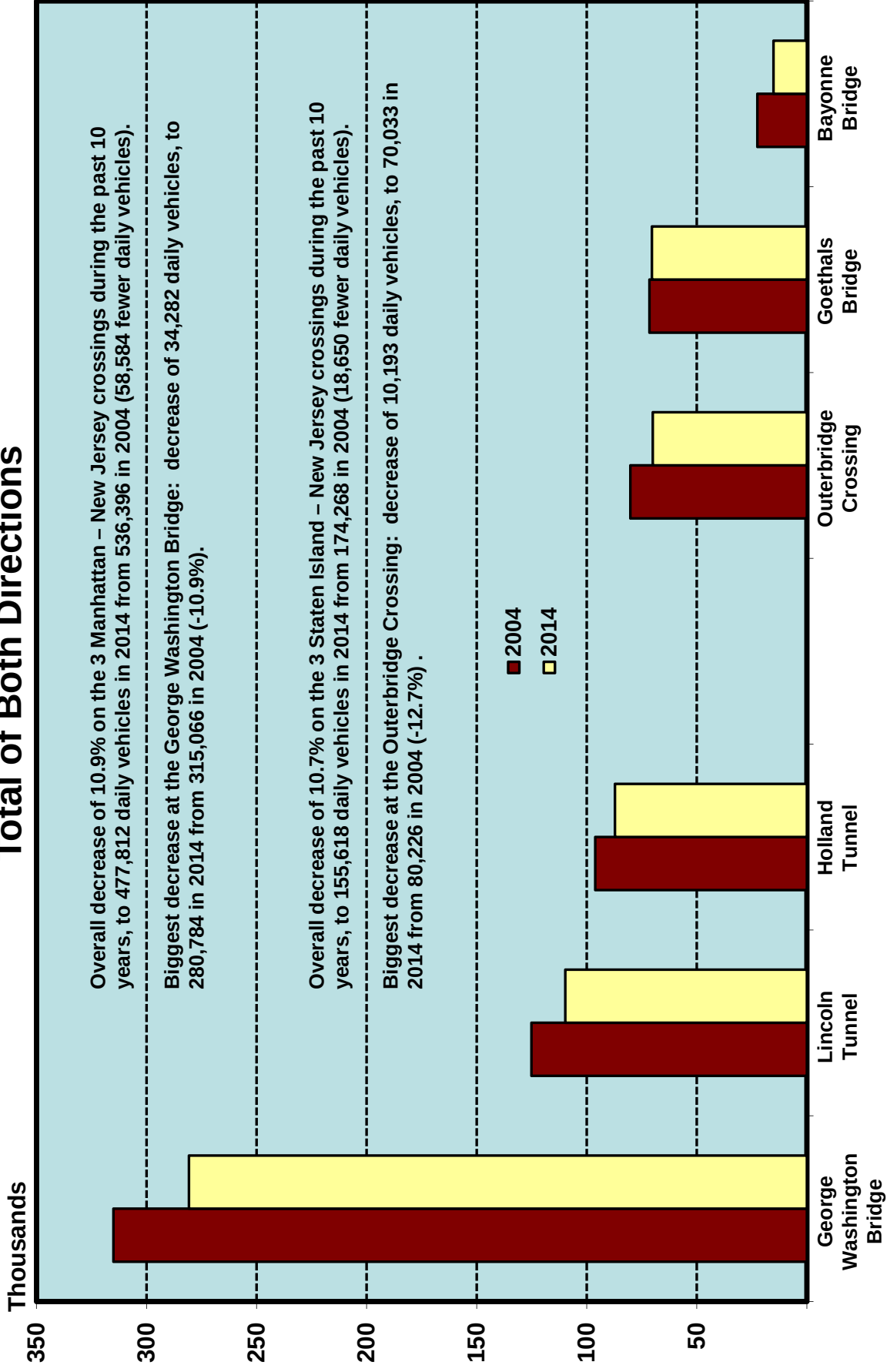


* Includes service roads.

10-Year Volume Changes ~ 2004 – 2014

New York – New Jersey Screenline Daily Volumes

Total of Both Directions



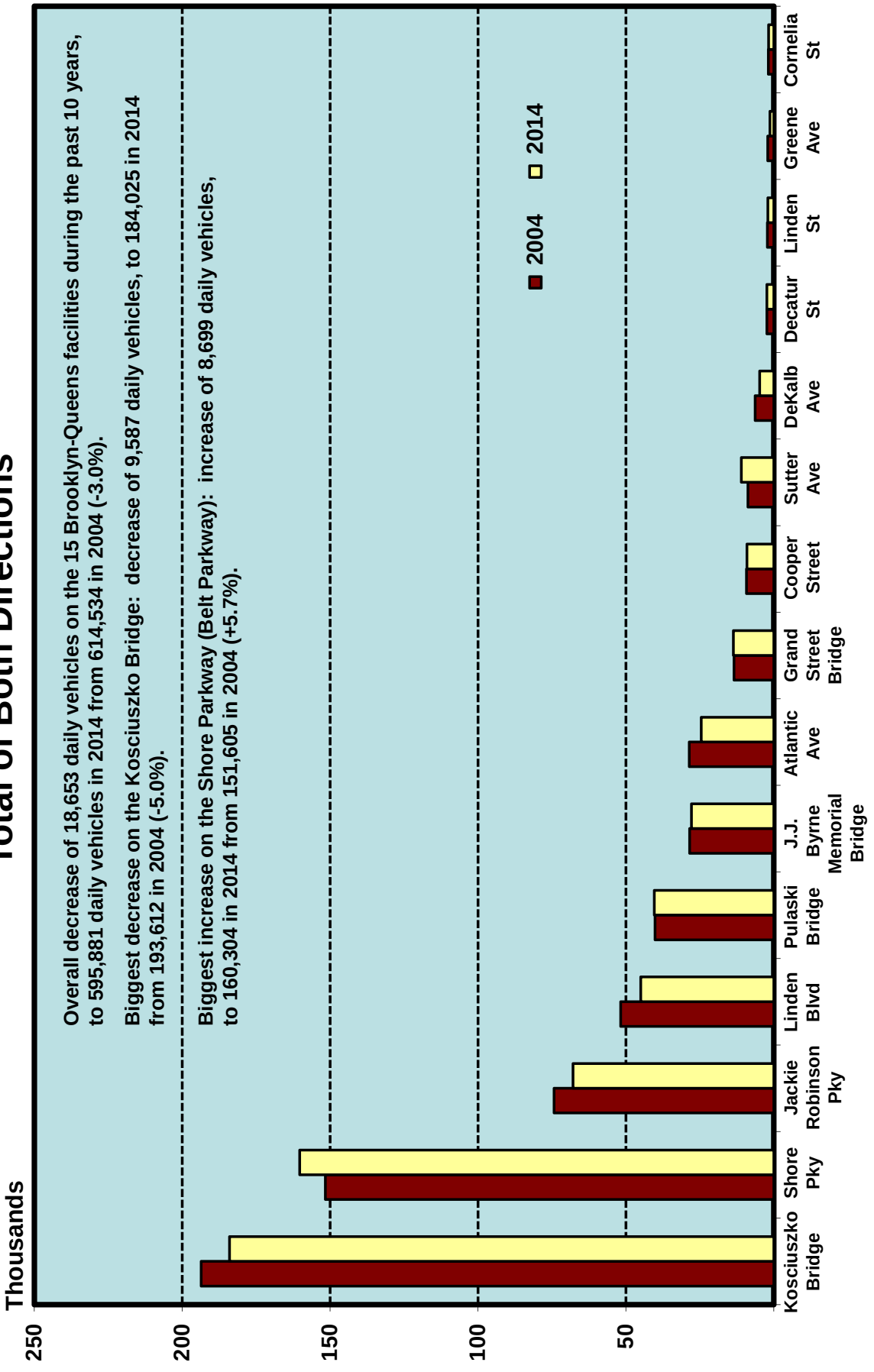
Manhattan – New Jersey Crossings

Staten Island – New Jersey Bridges

10-Year Volume Changes ~ 2004 - 2014

Brooklyn - Queens Screenline Daily Volumes

Total of Both Directions



New York City Screenline



Outerbridge Crossing

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 - 1994

Monitored traffic at the New York City boundaries increased 4.1% during this eight-year period, to 2,030,702 daily vehicles in 1994 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 6.7%, to 515,853 daily vehicles in 1994 from 483,252 in 1986.
- Queens - Nassau traffic increased 6.4%, to 897,175 daily vehicles from 843,538.
- Staten Island – New Jersey traffic increased 3.9%, to 143,875 daily vehicles from 138,436.
- Conversely, traffic between Manhattan and New Jersey decreased 2.5%, to 473,799 daily vehicles in 1994 from 485,751 in 1986.

1994 - 2004

From 1994 to 2004, monitored traffic at the New York City boundaries increased 13.4%, to 2,303,563 daily vehicles in 2004 from 2,030,702 in 1994.

- Bronx – Westchester traffic increased 21.6%, to 627,294 daily vehicles in 2004 from 515,853 in 1994.
- Queens - Nassau traffic increased 7.6%, to 965,605 daily vehicles 2004 from 897,175 in 1994.
- Staten Island – New Jersey daily volume increased 21.1%, to 174,268 from 143,875.
- Manhattan - New Jersey daily volume increased 13.2%, to 536,396 from 473,799.

2004 - 2014

During the most recent ten-year period, from 2004 to 2014, monitored traffic at the New York City boundaries decreased 3.7%, to 2,219,429 daily vehicles in 2014 from 2,303,563 in 2004.

- Bronx – Westchester traffic decreased 1.1%, to 620,176 daily vehicles in 2014 from 627,294 in 2004.

- Manhattan - New Jersey traffic decreased 10.9%, to 477,812 daily vehicles from 536,396.
- Staten Island - New Jersey traffic decreased 10.7%, to 155,618 daily vehicles from 174,268.
- Queens - Nassau traffic decreased 0.3%, to 962,639 daily vehicles in 2014 from 965,605 in 2004.

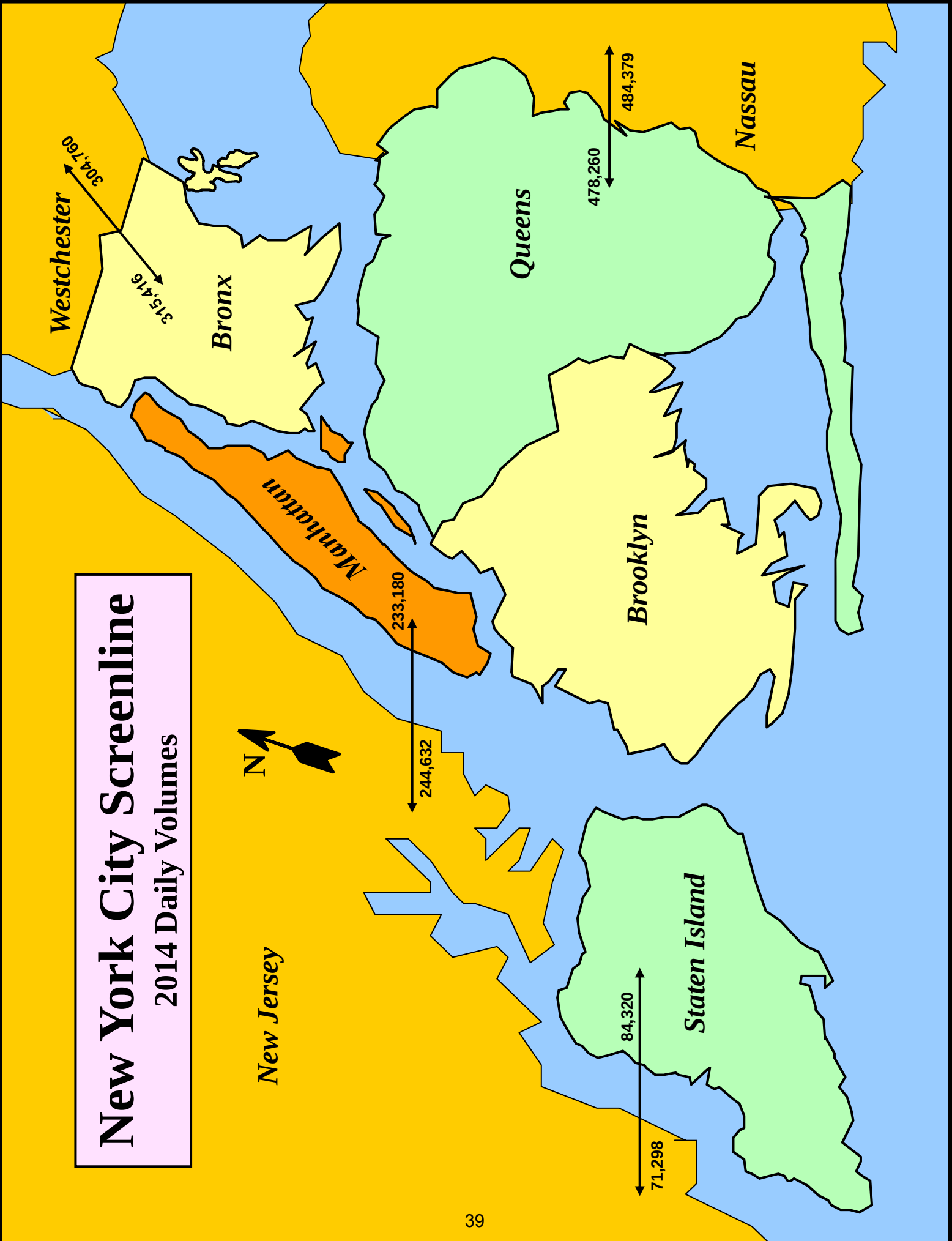
1963 - 2014

From 1963 to 2014, daily two-way traffic at the 29 City border locations monitored throughout the period nearly doubled, to 2,172,141 in 2014 from 1,109,201 in 1963.

- Staten Island – New Jersey traffic skyrocketed by 468%, to 155,618 daily vehicles in 2014 from 27,398 in 1963, largely as a result of the opening of the Verrazano–Narrows Bridge in 1964.
- Manhattan – New Jersey traffic increased 80%, to 477,812 daily vehicles in 2014 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 51-year period from 1963 to 2014, continuously monitored daily traffic increased 130% between The Bronx and Westchester (to 620,176 from 269,650), and 76% between Queens and Nassau (to 962,639 from 546,550).

New York City Screenline

2014 Daily Volumes



**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
Bronx - Westchester	320,086	323,025	314,134	325,814	304,452	312,818	313,603	305,764	305,217	309,307	315,416
Queens - Nassau	480,260	473,349	462,916	469,587	477,437	473,526	480,213	475,313	483,838	486,161	478,260
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
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
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

**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
Bronx - Westchester	307,208	310,325	310,424	310,024	294,146	296,486	303,875	295,745	299,420	301,025	304,760
Queens - Nassau	485,345	485,740	471,633	482,622	474,068	482,075	483,455	482,345	480,382	483,843	484,379
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
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
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

* 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

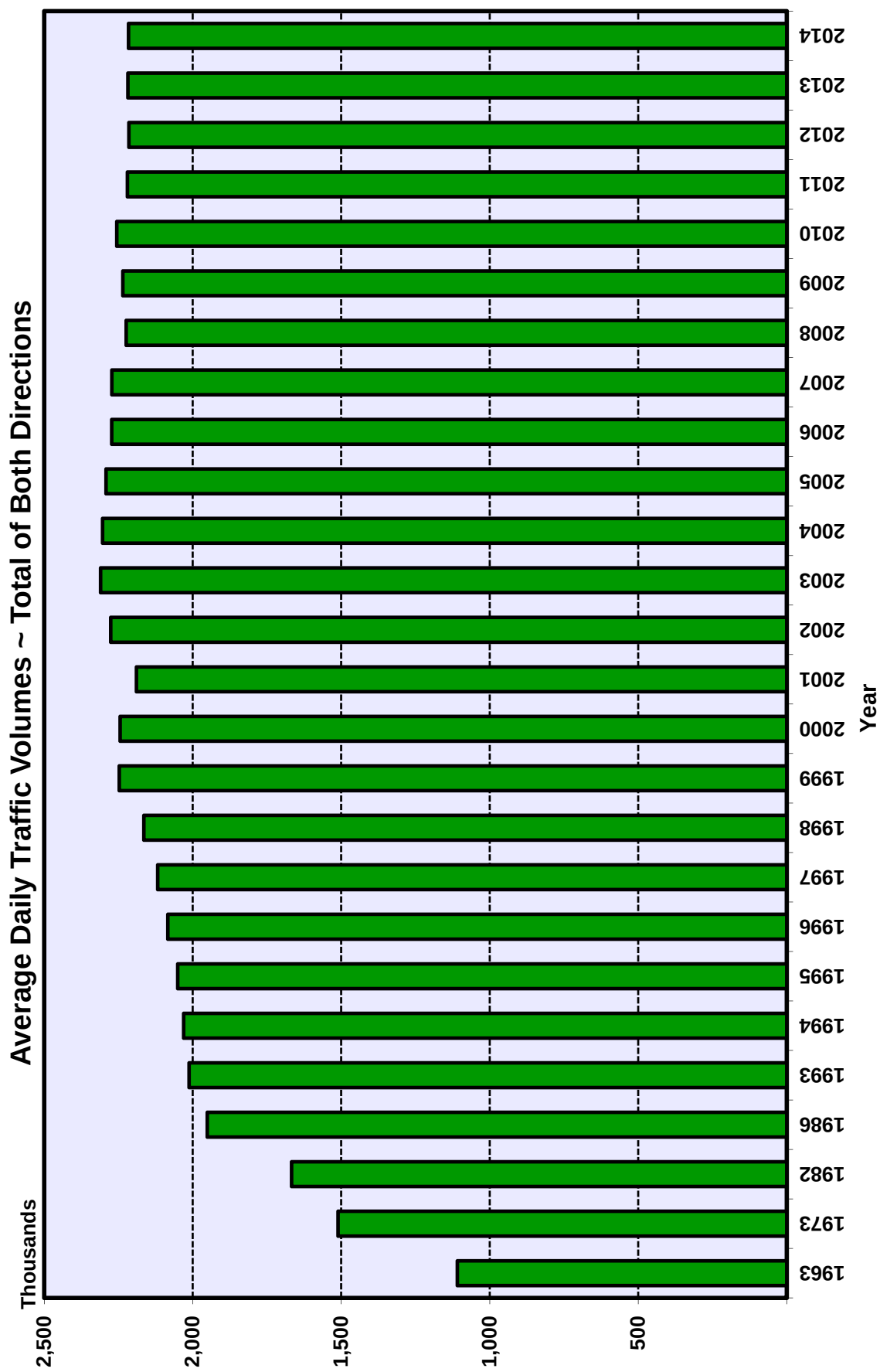
	1963	1973	1982	1986	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Bronx - Westchester	269,650	361,714	413,750	483,252	506,191	515,853	531,941	547,972	554,683	565,746	584,015	591,022	606,666	619,938	619,449
Queens - Nassau	546,550	670,702	713,146	843,538	892,318	897,175	892,743	896,144	907,131	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
Bronx - Westchester	627,294	633,350	624,558	635,838	598,598	609,304	617,478	601,509	604,637	610,332	620,176
Queens - Nassau	965,605	959,089	934,549	952,209	951,505	955,601	963,668	957,658	964,220	970,004	962,639
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
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
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

* 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



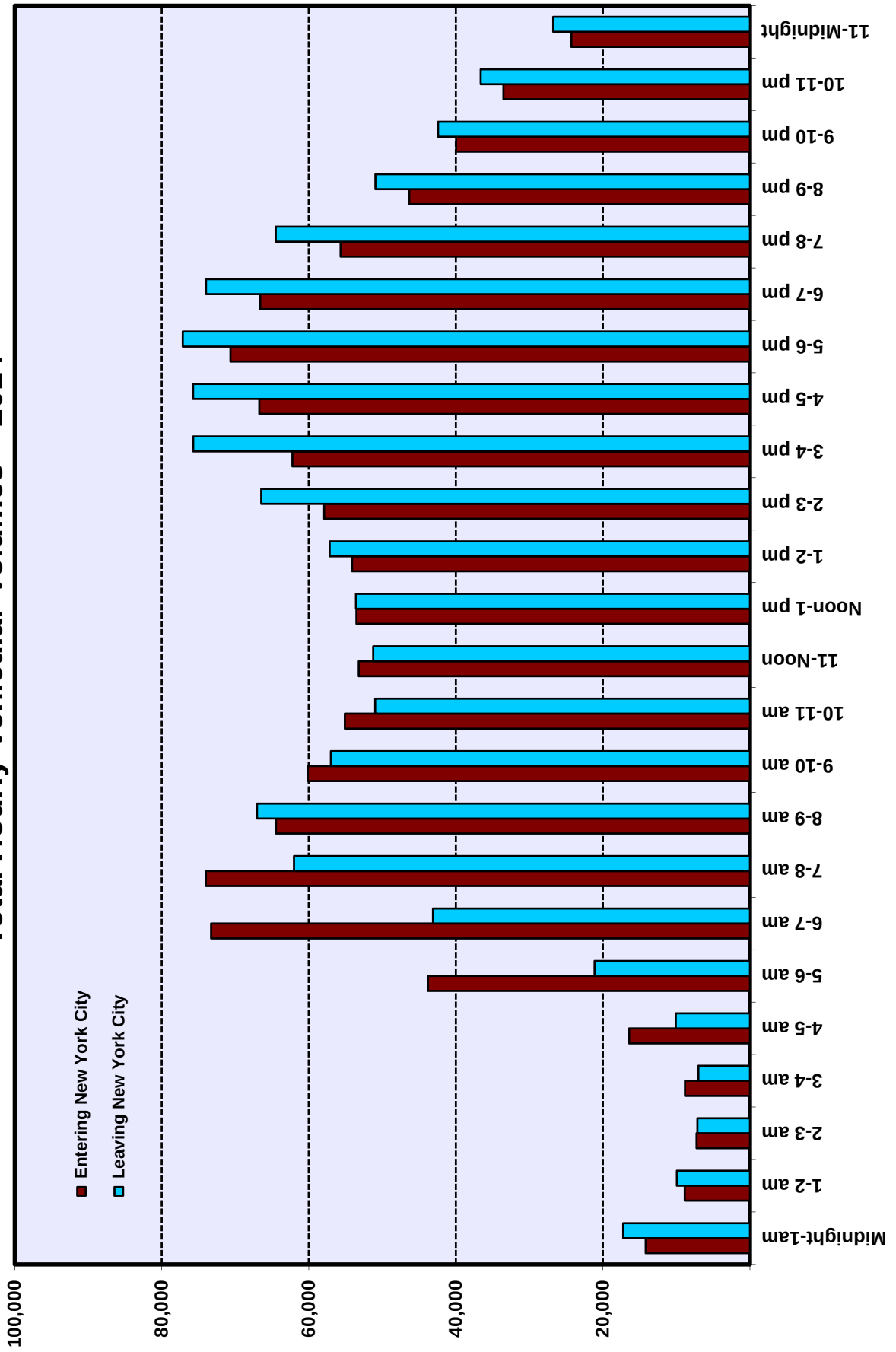
Includes Bronx-Westchester, Queens-Nassau, and New York-New Jersey Screenlines.

New York City Border Screenline Traffic Volumes ~ 2014

	Bronx-Westchester		Queens-Nassau		Manhattan		New York-New Jersey		Staten Island		NYC Totals	
	To Bronx	To W'chstr	To Qns.	To Nas.	To Manh.	To N.J.	To S.I.	To N.J.	To S.I.	To N.J.	To N.Y.C.	From N.Y.C.
Mid-1am	3,687	4,520	6,410	7,144	3,002	4,891	1,084			683	14,183	17,238
1-2am	2,362	2,760	3,761	4,132	2,029	2,643	717			408	8,869	9,943
2-3am	1,850	1,910	3,113	2,991	1,732	1,887	568			355	7,263	7,143
3-4am	2,059	1,950	4,031	2,567	2,035	2,096	707			411	8,832	7,024
4-5am	4,019	2,672	7,447	3,986	3,666	2,696	1,309			742	16,441	10,096
5-6am	10,617	5,740	18,643	8,644	11,167	5,013	3,359			1,744	43,786	21,141
6-7am	20,718	11,793	28,537	18,985	19,089	8,745	4,947			3,584	73,291	43,107
7-8am	23,388	17,787	28,676	27,723	17,124	11,206	4,819			5,304	74,007	62,020
8-9am	18,881	18,432	25,758	30,925	15,372	11,898	4,453			5,787	64,464	67,042
9-10am	16,268	14,803	24,858	27,272	14,754	10,586	4,252			4,347	60,132	57,008
10-11am	15,027	13,980	23,738	23,433	12,667	9,841	3,658			3,719	55,090	50,973
11-Noon	14,976	14,694	23,400	23,397	11,278	9,612	3,559			3,544	53,213	51,247
Noon-1	15,122	15,010	24,091	24,701	10,597	10,542	3,711			3,346	53,521	53,599
1-2pm	15,110	15,589	24,534	26,022	10,482	12,036	3,999			3,521	54,125	57,168
2-3pm	16,750	17,839	25,535	30,077	11,183	14,595	4,438			3,961	57,906	66,472
3-4pm	18,169	21,378	27,015	32,665	12,045	16,812	5,002			4,870	62,231	75,725
4-5pm	19,492	21,499	29,136	32,585	12,339	16,602	5,769			5,044	66,736	75,730
5-6pm	20,982	21,146	30,998	32,220	12,093	18,938	6,584			4,839	70,657	77,143
6-7pm	19,350	19,724	28,747	31,477	12,412	18,439	6,096			4,349	66,605	73,989
7-8pm	16,044	17,156	24,513	27,370	10,410	16,492	4,715			3,487	55,682	64,505
8-9pm	13,340	14,234	20,682	21,508	8,660	12,784	3,666			2,417	46,348	50,943
9-10pm	11,428	11,921	18,175	17,856	7,522	10,646	2,843			1,999	39,968	42,422
10-11pm	9,179	10,540	15,542	15,340	6,538	9,168	2,267			1,582	33,526	36,630
11-Mid	6,598	7,683	10,920	11,359	4,984	6,464	1,798			1,255	24,300	26,761
24 hr Total	315,416	304,760	478,260	484,379	233,180	244,632	84,320			71,298	1,111,176	1,105,069
6-10am	79,255	62,815	107,829	104,905	66,339	42,435	18,471			19,022	271,894	229,177
10am-1pm	45,125	43,684	71,229	71,531	34,542	29,995	10,928			10,609	161,824	155,819
1-3pm	31,860	33,428	50,069	56,099	21,665	26,631	8,437			7,482	112,031	123,640
3-7pm	77,993	83,747	115,896	128,947	48,889	70,791	23,451			19,102	266,229	302,587
6am-7pm	234,233	223,674	345,023	361,482	171,435	169,852	61,287			56,215	811,978	811,223

New York City Border Screenline Volumes

Total Hourly Vehicular Volumes ~ 2014



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

Bronx-Westchester Screenline



**Riverdale 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 - 1994

During this eight-year period, traffic crossing the Bronx - Westchester border increased by 6.7%, to 515,853 daily vehicles in 1994 from 483,252 in 1986 (including Van Cortlandt Park East, where traffic was counted for the first time in 1986).

- Hutchinson River Parkway traffic increased 29.0%, to 70,033 daily vehicles in 1994 from 54,287 in 1986 (15,746 additional daily vehicles).
- Henry Hudson Parkway traffic increased 26.3%, to 67,269 daily vehicles from 53,263 (14,006 additional daily vehicles).

1994 - 2004

Bronx - Westchester screenline traffic volume increased 21.6%, to 627,294 in 2004 from 515,853 in 1994.

- Henry Hudson Parkway traffic increased 45.8% to 98,050 daily vehicles in 2004 from 67,269 in 1994.
- New England Thruway traffic increased 28.4% to 130,037 daily vehicles from 101,272.
- Hutchinson River Parkway traffic increased 37.5%, to 96,265 daily vehicles from 70,033.
- Bronx River Parkway traffic increased 21.9%, to 94,139 daily vehicles from 77,243.

2004 - 2014

During the most recent ten-year period, from 2004 to 2014, Bronx - Westchester screenline traffic overall has decreased by 1.1%, to 620,176 daily vehicles in 2014 from 627,294 in 2004.

- Decreases occurred on seven of the eleven monitored facilities.
- The largest decrease occurred on the Hutchinson River Parkway, where daily volume decreased by 6,236 vehicles, to 90,029 in 2014 from 96,265 in 2004 (-6.5%).
- The largest increase was on the New England Thruway, where traffic increased by 3.4%, to 134,498 daily vehicles in 2014 from 130,037 in 2004 (4,461 additional daily vehicles).

1963 - 2014

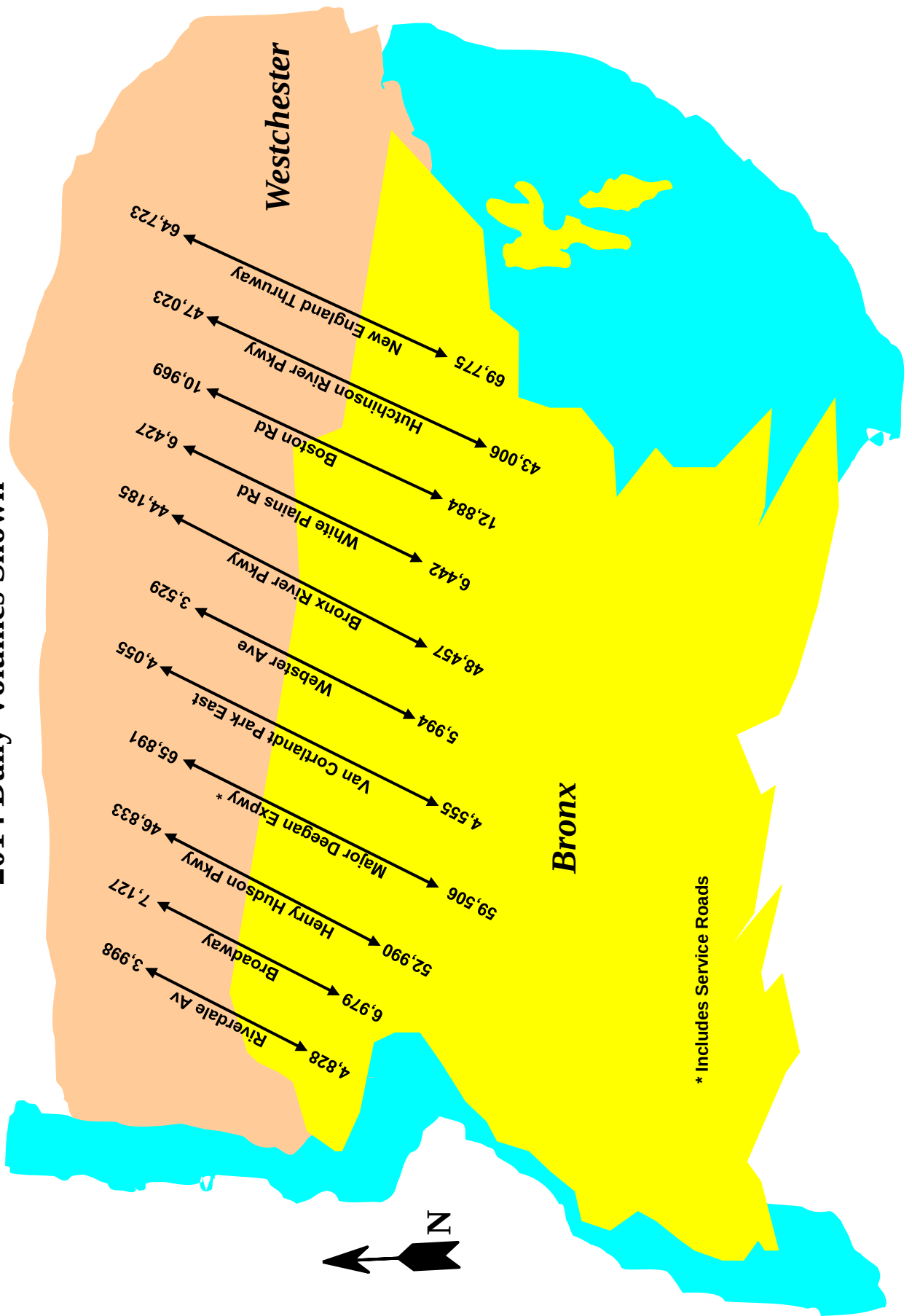
During the 51 years from 1963 to 2014, total daily traffic on the ten Bronx – Westchester facilities monitored throughout the period more than doubled, to 611,566 from 269,650.

- Most of the growth in Bronx - Westchester traffic since 1963 has occurred on the five limited access highways crossing the screenline.
- Of the 341,916 additional daily vehicles on the ten continuously-monitored facilities, 328,759 (96.2% of the total increase) are on the limited access highways.
- The fastest growth occurred on the Hutchinson River Parkway, where traffic volume soared 457%, to 90,029 daily vehicles in 2014 from 16,150 in 1963.
- Henry Hudson Parkway volume more than tripled, to 99,823 daily vehicles in 2014 from 29,010 in 1963.

- New England Thruway Traffic volume climbed 140%, to 134,498 daily vehicles from 56,070.
- Bronx River Parkway daily traffic volume more than doubled, to 92,642 from 44,120.
- Traffic volume on the Major Deegan Expressway and its service roads was up 84%, to 125,397 daily vehicles from 68,280.
- Boston Road exhibited the largest change of any arterial facility since 1963, with daily traffic volume rising 117%, to 23,853 from 10,980.

Bronx - Westchester Screenline

2014 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
Boston Rd	13,016	12,370	12,537	12,418	12,210	11,578	11,788	12,445	12,361	11,877	12,884
Broadway	8,125	8,196	8,327	7,971	7,641	7,560	7,612	7,172	7,808	7,329	6,979
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
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
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
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
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
Riverdale Ave	6,098	6,167	5,965	6,160	5,550	4,835	5,001	5,523	5,217	4,655	4,828
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
Webster Ave	6,885	7,003	6,634	6,412	6,214	6,349	6,232	5,913	6,234	5,678	5,994
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
Totals	320,086	323,025	314,134	325,814	304,452	312,818	313,603	305,764	305,217	309,307	315,416

* 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
Boston Rd	11,596	12,099	11,866	11,932	10,897	10,124	12,144	12,156	11,307	10,641	10,969
Broadway	7,778	8,256	7,611	7,848	7,745	7,646	7,705	7,354	7,653	7,246	7,127
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
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
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
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
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
Riverdale Ave	5,261	5,636	5,505	5,581	5,355	4,703	4,591	4,875	5,005	4,375	3,998
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
Webster Ave	4,523	4,321	3,901	4,301	3,649	3,764	3,579	3,561	3,682	3,353	3,529
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
Totals	307,208	310,325	310,424	310,024	294,146	296,486	303,875	295,745	299,420	301,025	304,760

* 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

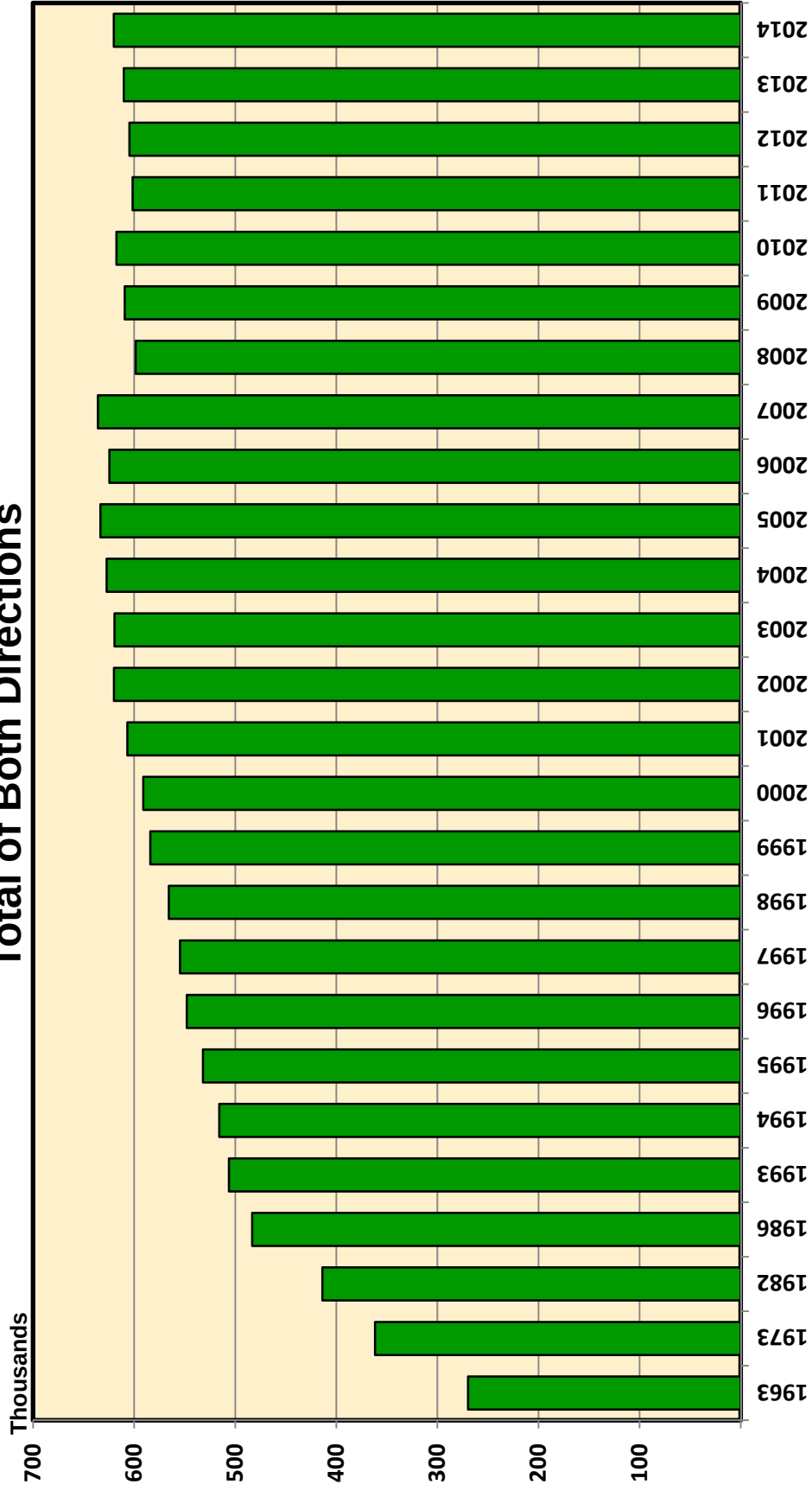
Both Directions

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Boston Rd	24,612	24,469	24,403	24,350	23,107	21,702	23,932	24,601	23,668	22,518	23,853
Broadway	15,903	16,452	15,938	15,819	15,386	15,206	15,317	14,526	15,461	14,575	14,106
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
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
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
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
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
Riverdale Ave	11,359	11,803	11,470	11,741	10,905	9,538	9,592	10,398	10,222	9,030	8,826
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
Webster Ave	11,408	11,324	10,535	10,713	9,863	10,113	9,811	9,474	9,916	9,031	9,523
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
Totals	627,294	633,350	624,558	635,838	598,598	609,304	617,478	601,509	604,637	610,332	620,176

* Includes service roads.

Bronx – Westchester Screenline

Historical Comparisons
Average Daily Traffic Volumes
Total of Both Directions



2014 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	92	71	83	130	572	524	299	642	400	661	807	1,101	40	96
1-2am	53	38	62	91	282	275	164	319	200	351	543	665	25	61
2-3am	30	27	37	51	191	177	125	184	119	194	417	453	17	36
3-4am	46	33	51	48	212	187	174	133	163	148	449	458	18	35
4-5am	86	60	77	54	430	296	504	201	449	280	926	611	39	50
5-6am	187	164	170	93	1,372	642	1,882	557	1,345	1,000	2,337	1,147	137	85
6-7am	466	312	373	214	3,504	1,675	4,366	1,495	2,709	2,309	4,303	2,215	246	207
7-8am	796	497	637	325	4,339	2,701	4,586	2,663	3,228	2,992	4,071	3,156	396	295
8-9am	776	605	570	399	3,120	2,695	3,462	2,645	2,872	2,823	3,399	3,148	229	294
9-10am	653	611	360	339	2,495	1,949	3,055	1,953	2,428	2,466	2,977	2,766	203	273
10-11am	622	574	317	311	2,134	1,674	2,649	1,866	2,079	2,453	2,492	2,691	203	262
11-Noon	669	676	346	319	2,124	1,777	2,589	2,068	2,044	2,399	2,383	2,930	196	301
Noon-1	807	764	352	333	2,118	1,885	2,493	2,096	2,069	2,457	2,425	2,927	209	297
1-2pm	825	747	306	353	2,093	2,127	2,394	2,196	2,076	2,625	2,498	3,046	196	306
2-3pm	854	767	397	367	2,369	2,803	2,820	2,734	2,254	2,851	2,675	3,477	211	360
3-4pm	895	895	398	449	2,759	3,966	3,254	3,474	2,485	2,828	2,825	4,174	217	462
4-5pm	934	863	422	509	2,996	3,689	3,667	3,791	2,629	2,722	2,982	4,233	207	528
5-6pm	923	814	458	562	3,362	3,700	3,830	3,729	2,731	2,751	3,355	3,979	223	466
6-7pm	874	713	398	549	3,012	3,197	3,217	3,430	2,709	2,780	3,230	3,948	220	444
7-8pm	786	619	310	421	2,407	2,512	2,326	2,961	2,326	2,739	2,636	3,419	169	352
8-9pm	615	464	254	388	2,033	1,915	1,834	2,249	1,968	2,375	2,382	2,946	131	321
9-10pm	436	276	247	333	1,851	1,550	1,494	2,000	1,583	2,010	2,308	2,368	127	243
10-11pm	266	218	210	279	1,510	1,313	1,137	1,993	1,307	1,643	1,857	2,176	102	208
11-Mid	193	161	144	210	1,172	956	669	1,454	833	1,166	1,400	1,708	68	167
24 hr Total	12,884	10,969	6,979	7,127	48,457	44,185	52,990	46,833	43,006	47,023	55,677	59,742	3,829	6,149
6-10am	2,691	2,025	1,940	1,277	13,458	9,020	15,469	8,756	11,237	10,590	14,750	11,285	1,074	1,069
10am-1pm	2,098	2,014	1,015	963	6,376	5,336	7,731	6,030	6,192	7,309	7,300	8,548	608	860
1-3pm	1,679	1,514	703	720	4,462	4,930	5,214	4,930	4,330	5,476	5,173	6,523	407	666
3-7pm	3,626	3,285	1,676	2,069	12,129	14,552	13,968	14,424	10,554	11,081	12,392	16,334	867	1,900
6am-7pm	10,094	8,838	5,334	5,029	36,425	33,838	42,382	34,140	32,313	34,456	39,615	42,690	2,956	4,495

* To Bronx

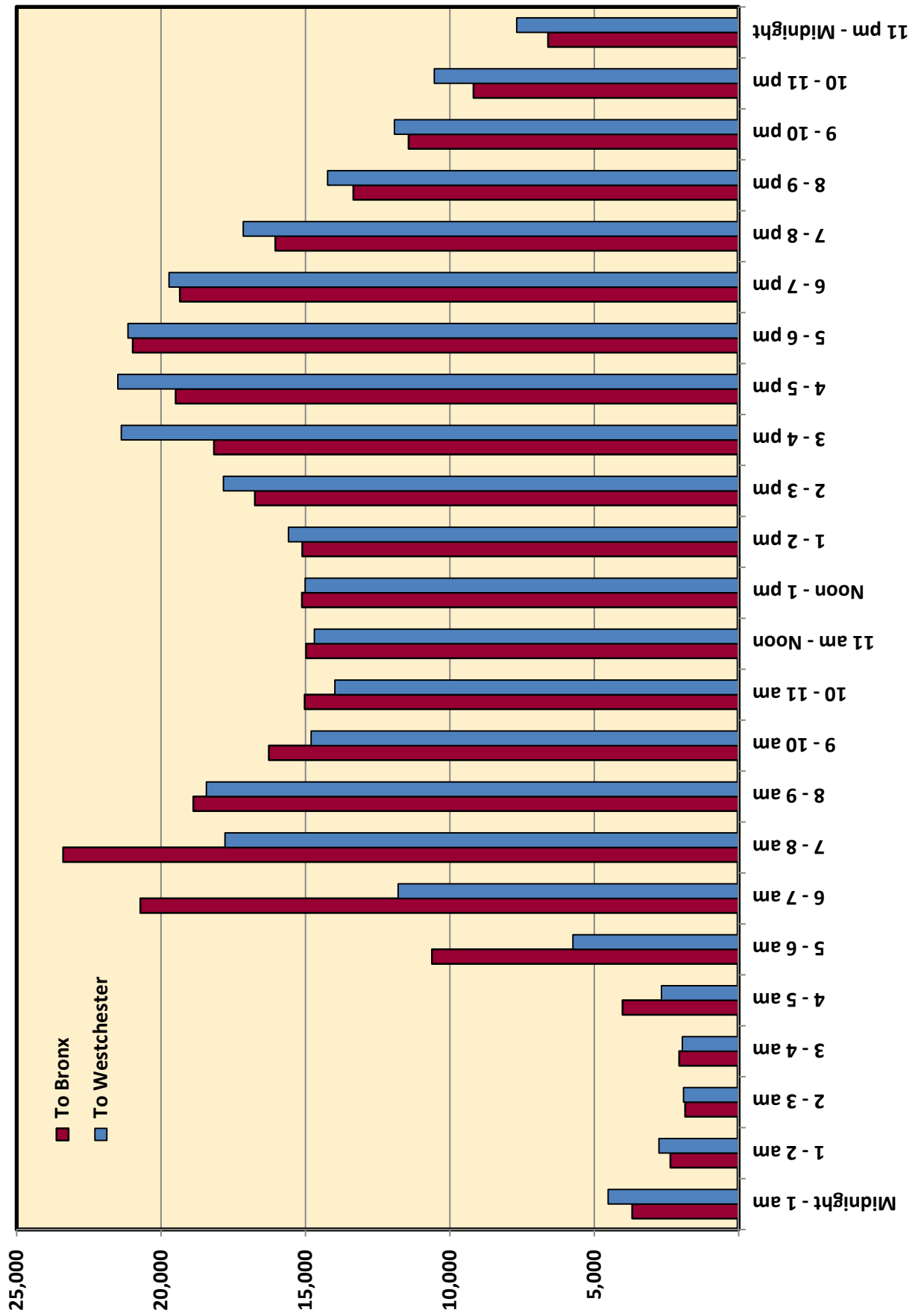
2014 Screenline Volumes Bronx - Westchester (cont'd)

	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-1am	1,129	1,011	32	53	59	62	71	48	103	121	3,687	4,520
1-2am	872	784	22	31	36	44	39	24	64	77	2,362	2,760
2-3am	788	658	14	13	26	23	34	19	52	75	1,850	1,910
3-4am	829	800	13	12	25	25	27	17	52	54	2,059	1,950
4-5am	1,312	978	24	13	36	34	45	18	91	77	4,019	2,672
5-6am	2,761	1,820	74	34	97	49	128	31	127	118	10,617	5,740
6-7am	3,786	2,811	224	113	175	111	313	99	253	232	20,718	11,793
7-8am	3,689	4,230	423	213	304	187	550	182	369	346	23,388	17,787
8-9am	2,922	4,720	395	248	285	217	451	212	400	426	18,881	18,432
9-10am	3,006	3,591	263	185	214	177	315	164	299	329	16,268	14,803
10-11am	3,509	3,318	235	180	194	189	281	162	312	300	15,027	13,980
11-Noon	3,524	3,321	250	187	221	220	298	169	332	327	14,976	14,694
Noon-1	3,477	3,267	264	234	240	219	300	177	368	354	15,122	15,010
1-2pm	3,528	3,166	272	239	254	222	308	191	360	371	15,110	15,589
2-3pm	3,798	3,398	340	237	282	247	371	200	379	398	16,750	17,839
3-4pm	3,890	3,833	348	303	289	302	388	270	421	422	18,169	21,378
4-5pm	4,180	3,784	326	314	336	335	381	306	432	425	19,492	21,499
5-6pm	4,580	3,696	337	318	343	335	407	374	433	422	20,982	21,146
6-7pm	4,338	3,383	272	301	326	316	357	268	397	395	19,350	19,724
7-8pm	3,975	3,136	226	234	270	247	273	192	340	324	16,044	17,156
8-9pm	3,259	2,791	164	185	205	188	217	146	278	266	13,340	14,234
9-10pm	2,681	2,537	126	148	160	127	182	111	233	218	11,428	11,921
10-11pm	2,230	2,218	109	115	106	106	153	80	192	191	9,179	10,540
11-Mid	1,712	1,472	75	88	72	73	105	69	155	159	6,598	7,683
24 hr Total	69,775	64,723	4,828	3,998	4,555	4,055	5,994	3,529	6,442	6,427	315,416	304,760
6-10am	13,403	15,352	1,305	759	978	692	1,629	657	1,321	1,333	79,255	62,815
10am-1pm	10,510	9,906	749	601	655	628	879	508	1,012	981	45,125	43,684
1-3pm	7,326	6,564	612	476	536	469	679	391	739	769	31,860	33,428
3-7pm	16,988	14,696	1,283	1,236	1,294	1,288	1,533	1,218	1,683	1,664	77,993	83,747
6am-7pm	48,227	46,518	3,949	3,072	3,463	3,077	4,720	2,774	4,755	4,747	234,233	223,674

* To Bronx

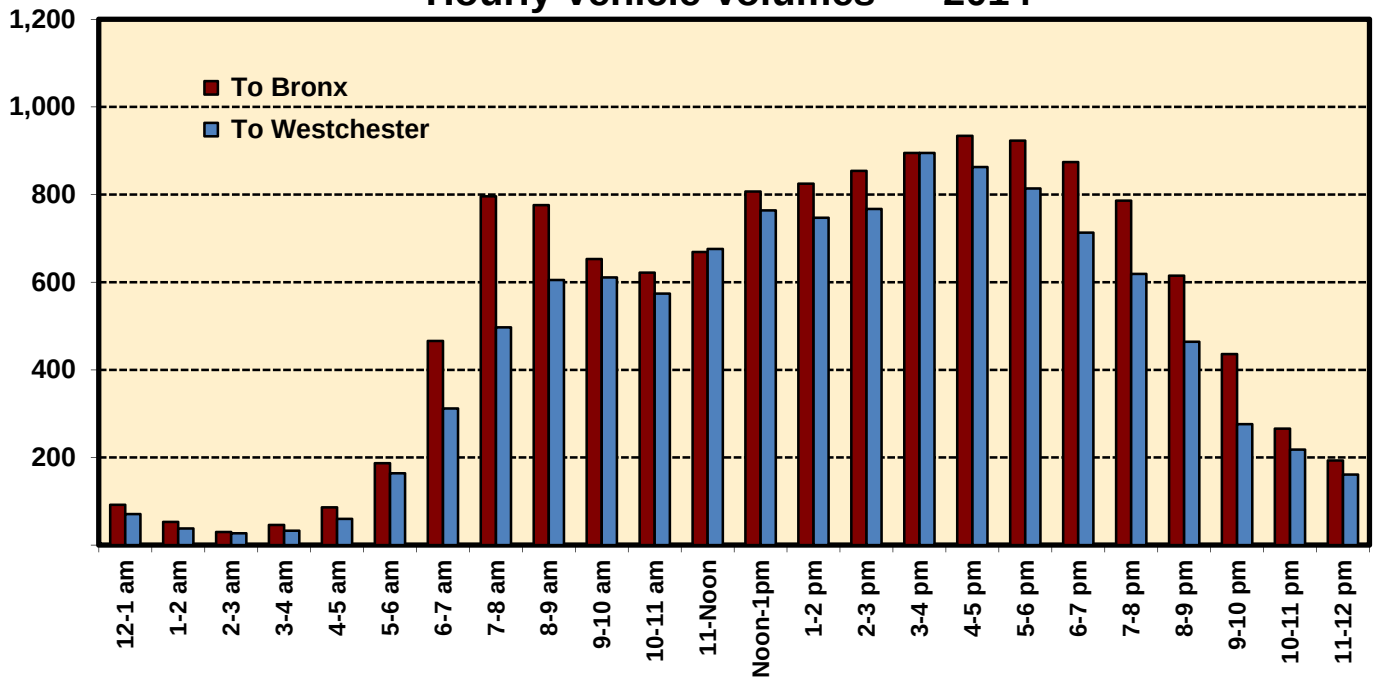
Bronx - Westchester Screenline

Total Hourly Vehicle Volumes ~ 2014

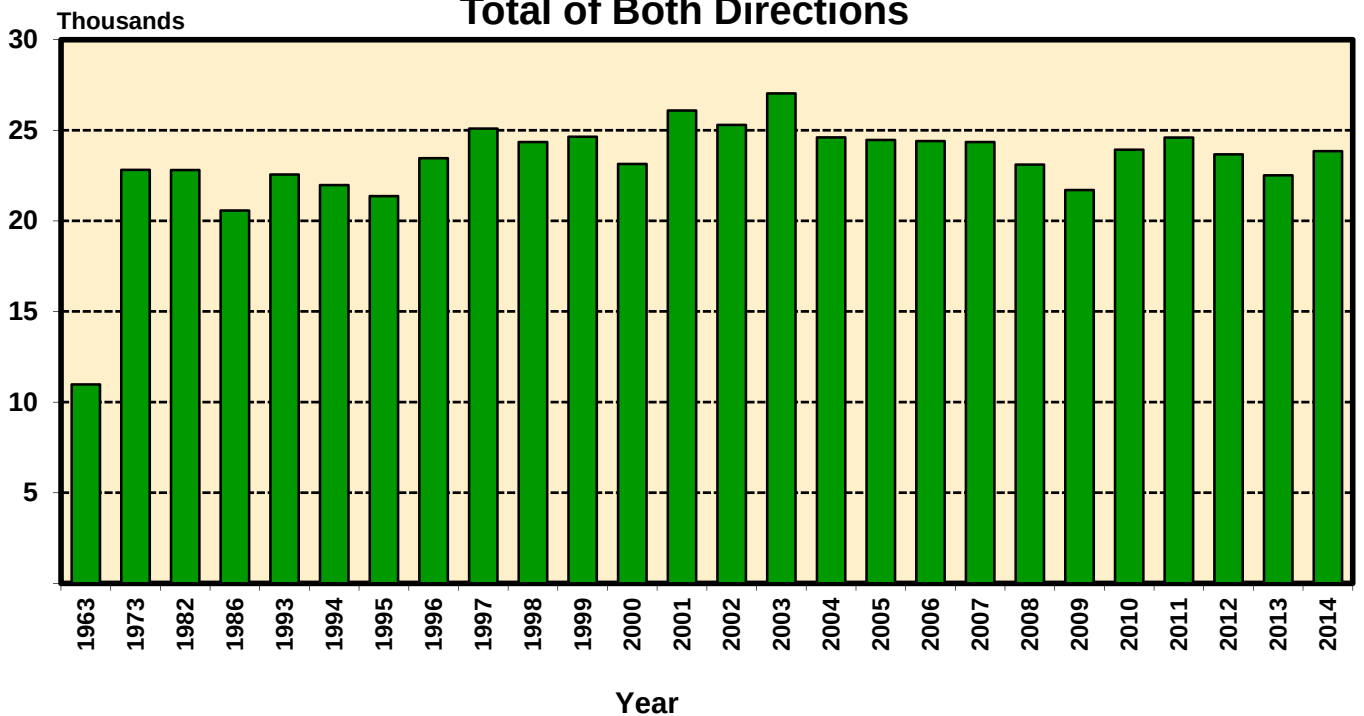


Bronx – Westchester Screenline Volumes

Boston Road
Hourly Vehicle Volumes ~ 2014

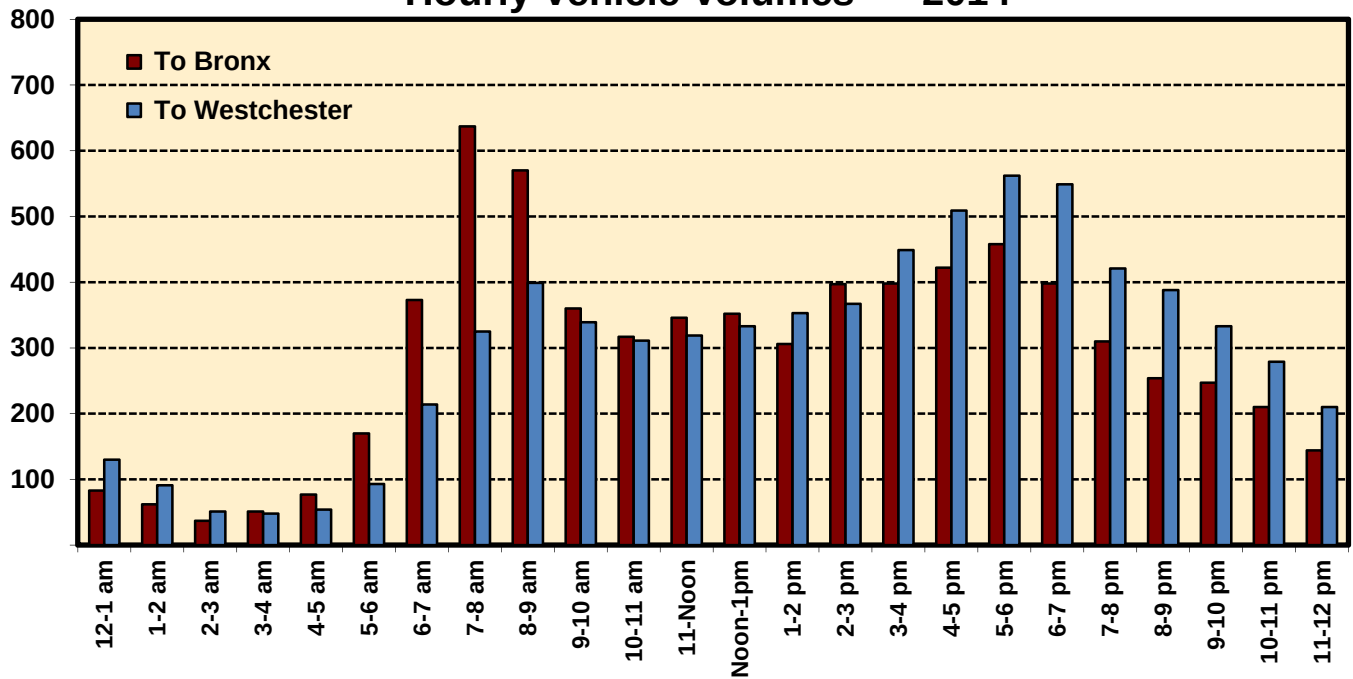


Boston Road
Average Daily Traffic Volumes
Total of Both Directions

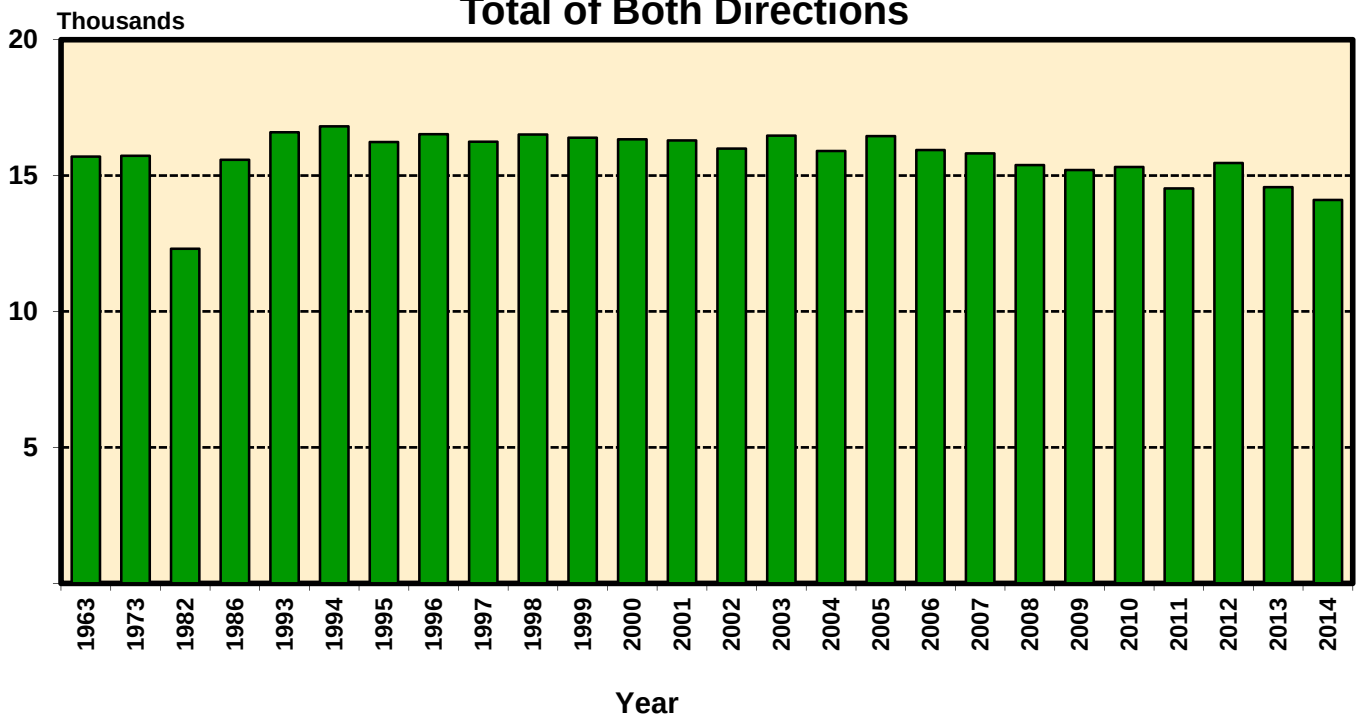


Bronx – Westchester Screenline Volumes

Broadway
Hourly Vehicle Volumes ~ 2014

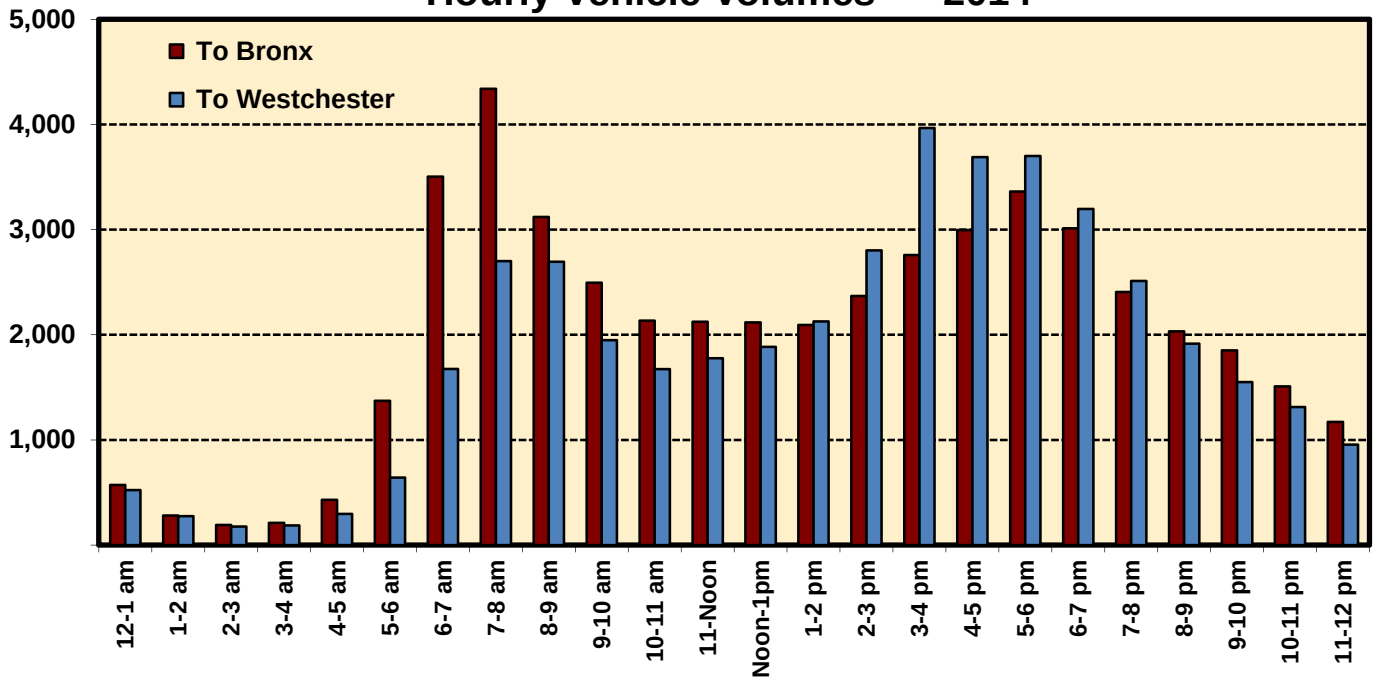


Broadway
Average Daily Traffic Volumes
Total of Both Directions

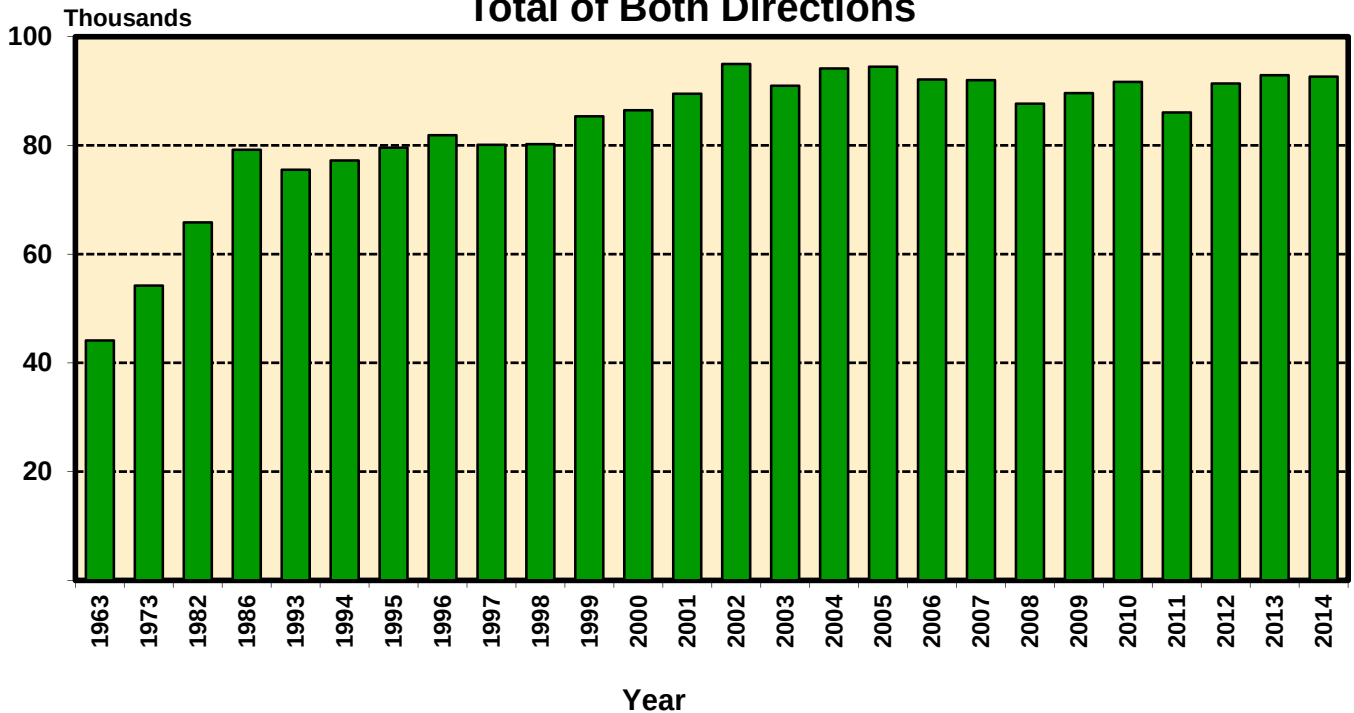


Bronx – Westchester Screenline Volumes

**Bronx River Parkway
Hourly Vehicle Volumes ~ 2014**

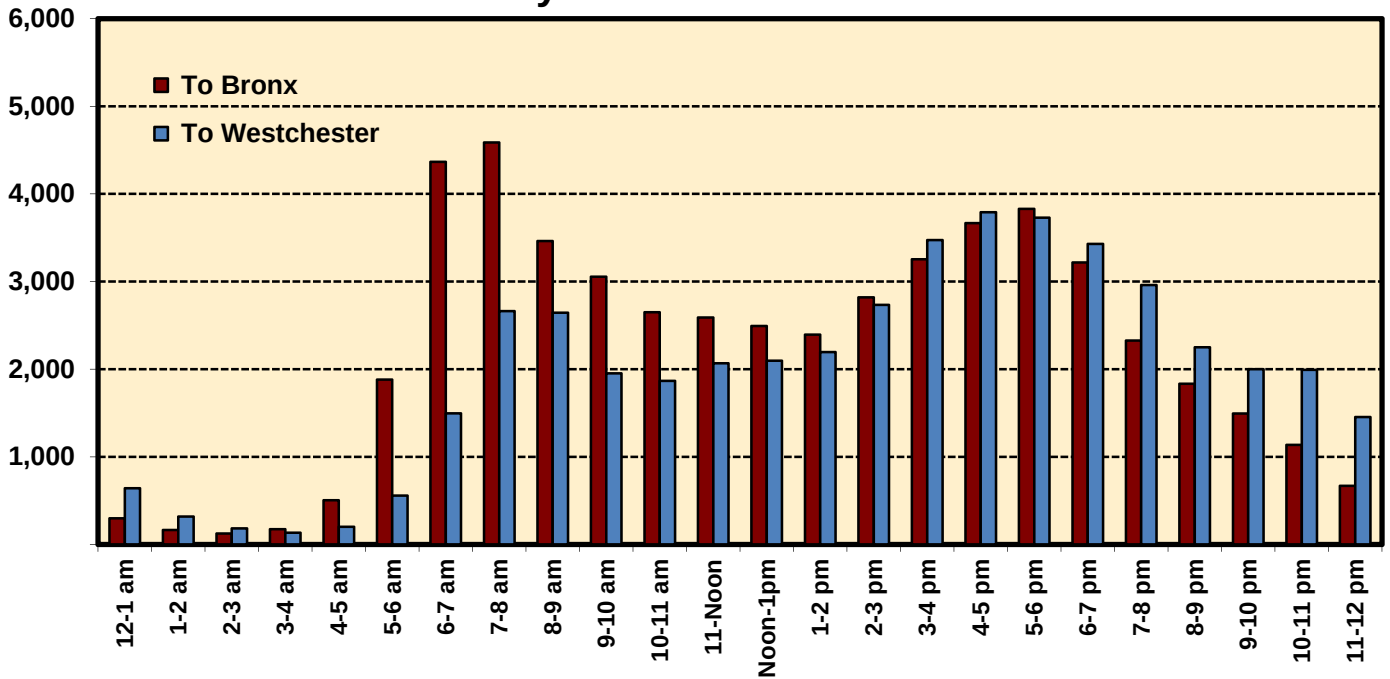


**Bronx River Parkway
Average Daily Traffic Volumes
Total of Both Directions**

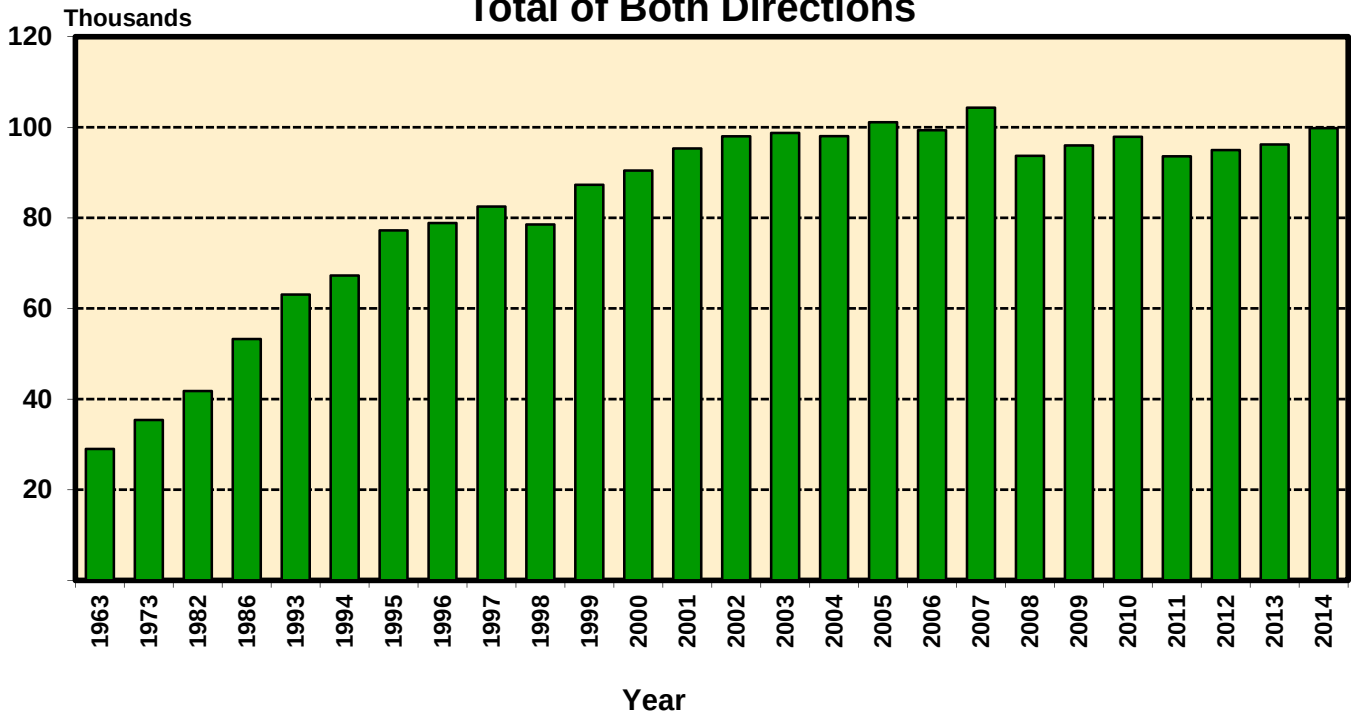


Bronx – Westchester Screenline Volumes

Henry Hudson Parkway Hourly Vehicle Volumes ~ 2014

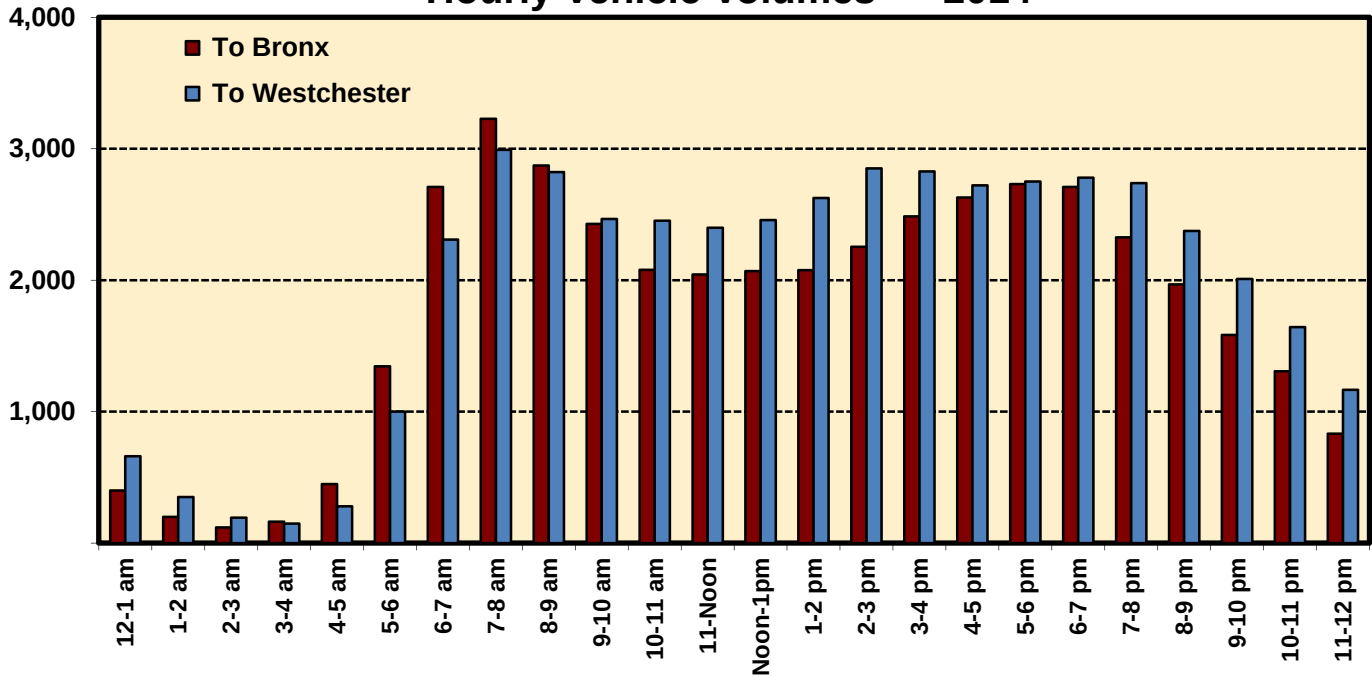


Henry Hudson Parkway Average Daily Traffic Volumes Total of Both Directions

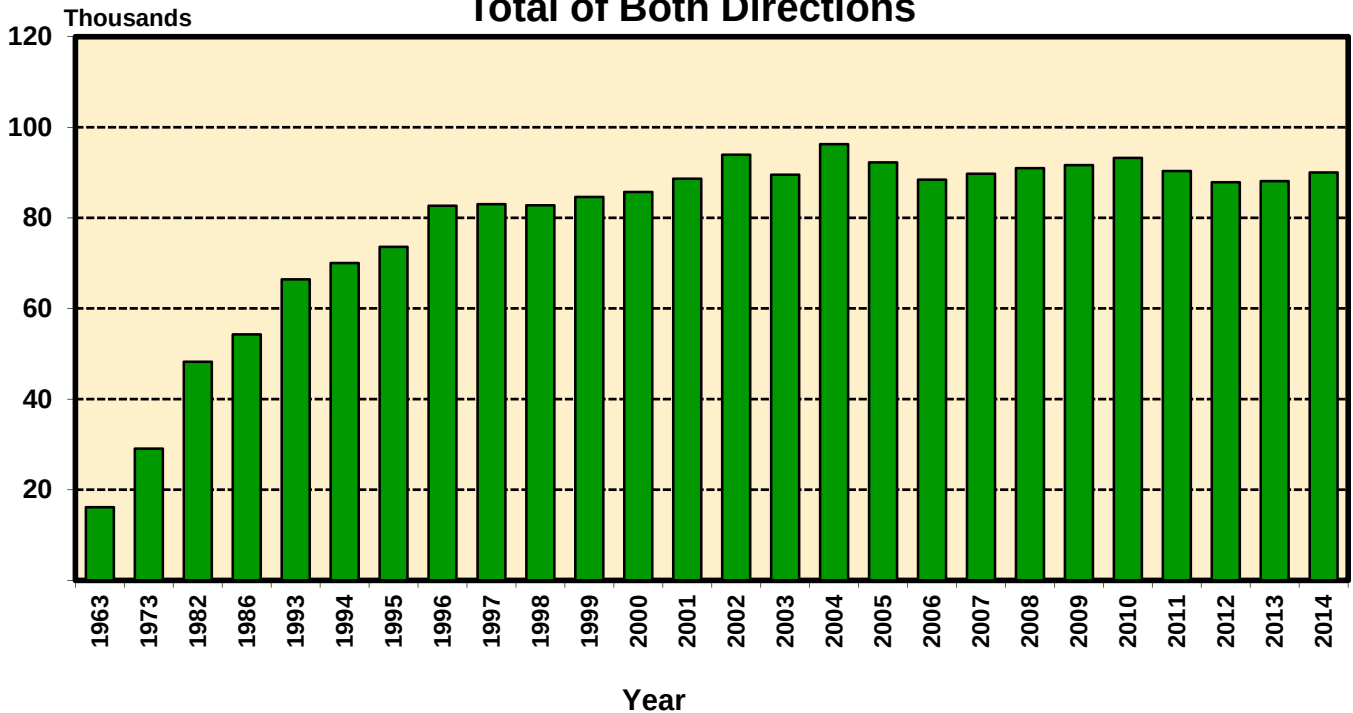


Bronx – Westchester Screenline Volumes

Hutchinson River Parkway Hourly Vehicle Volumes ~ 2014

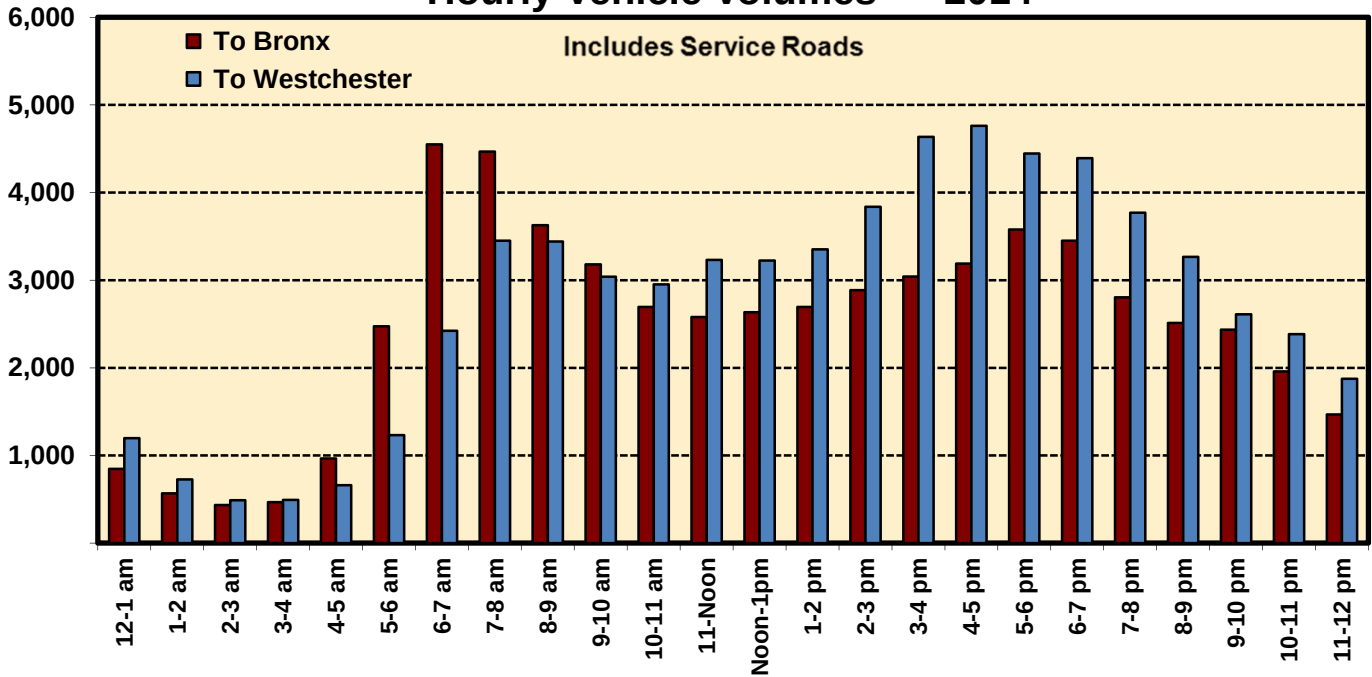


Hutchinson River Parkway Average Daily Traffic Volumes Total of Both Directions

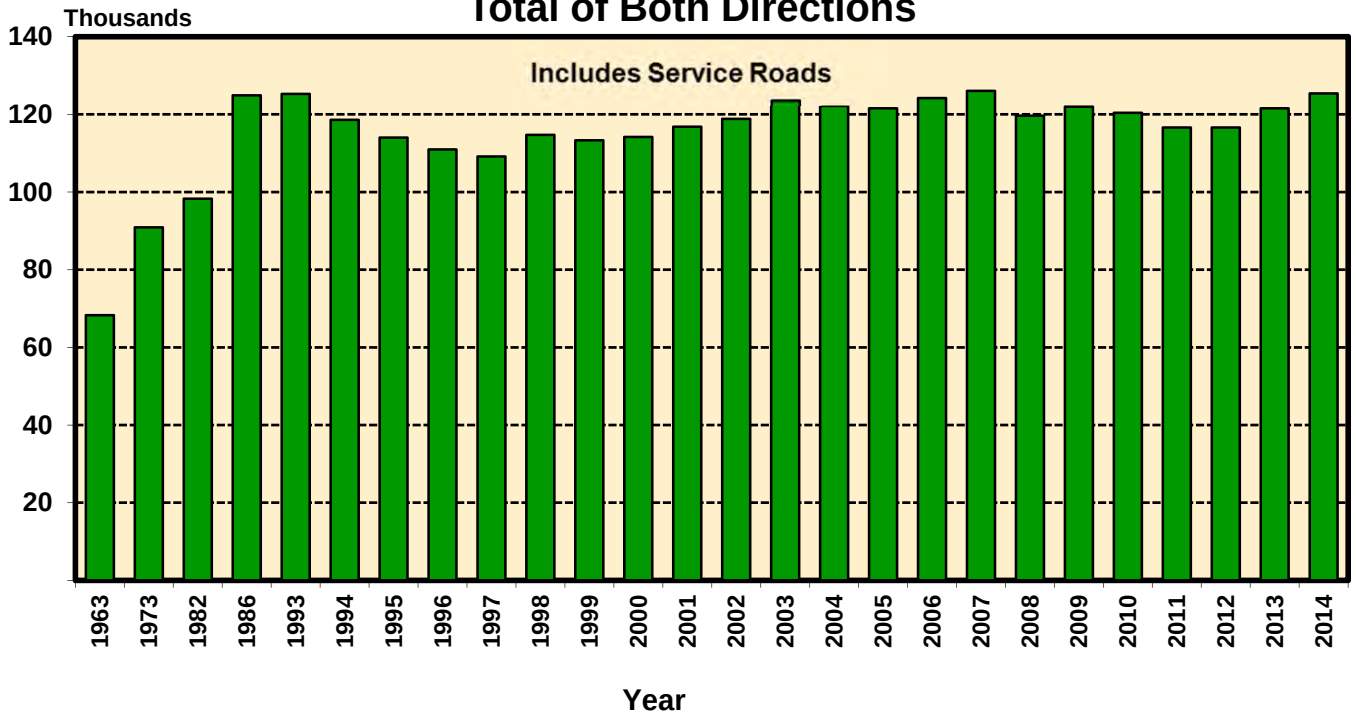


Bronx – Westchester Screenline Volumes

Major Deegan Expressway Hourly Vehicle Volumes ~ 2014

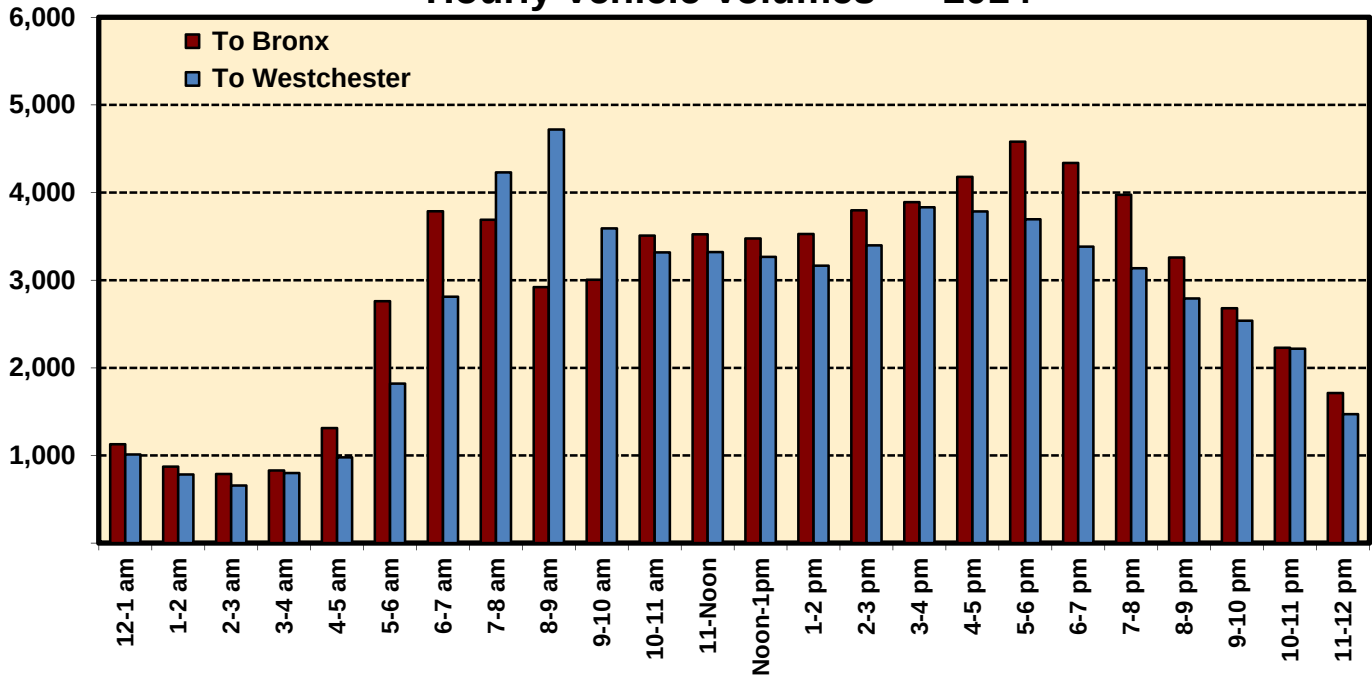


Major Deegan Expressway Average Daily Traffic Volumes Total of Both Directions

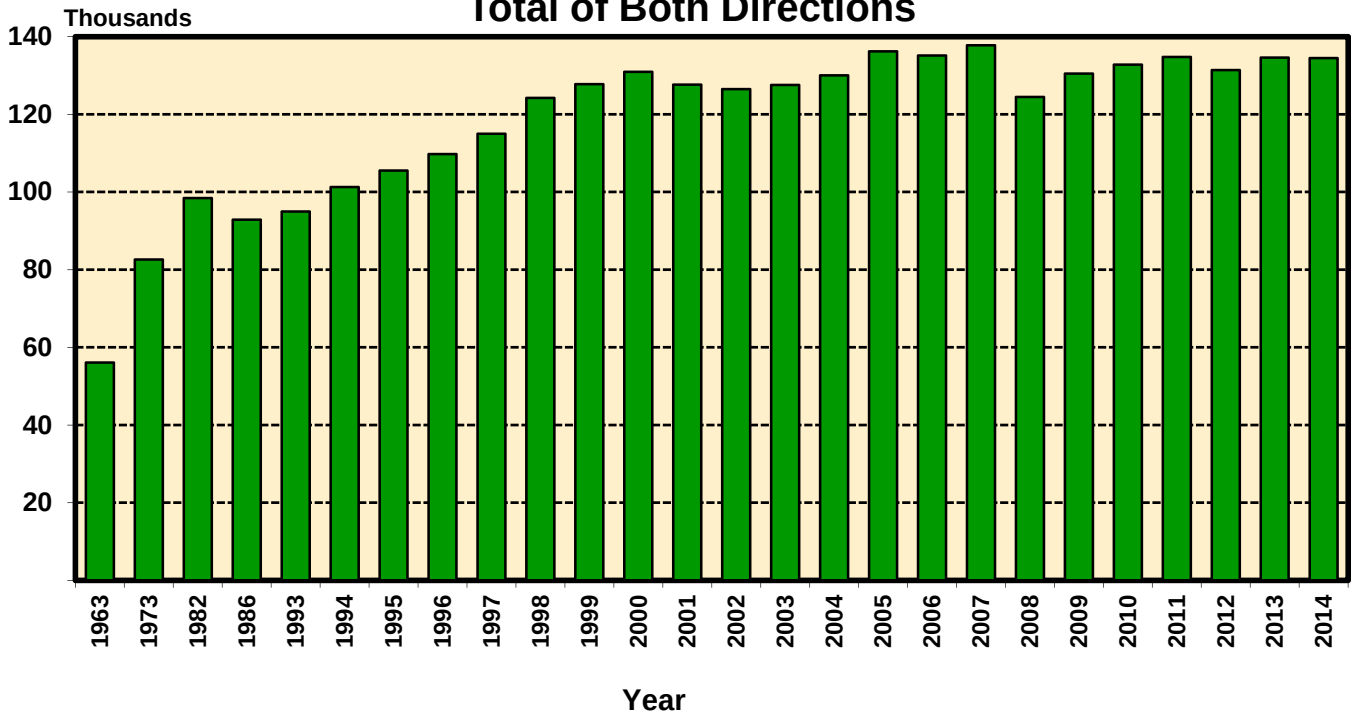


Bronx – Westchester Screenline Volumes

New England Thruway Hourly Vehicle Volumes ~ 2014

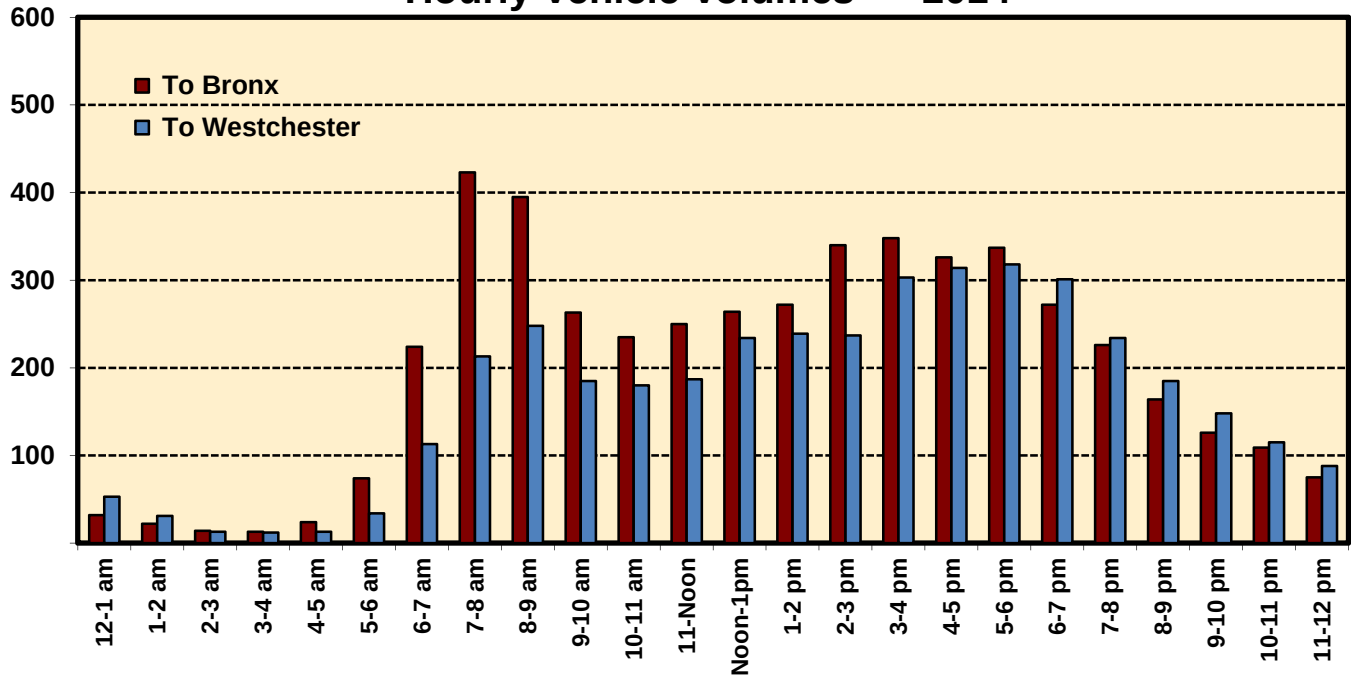


New England Thruway Average Daily Traffic Volumes Total of Both Directions

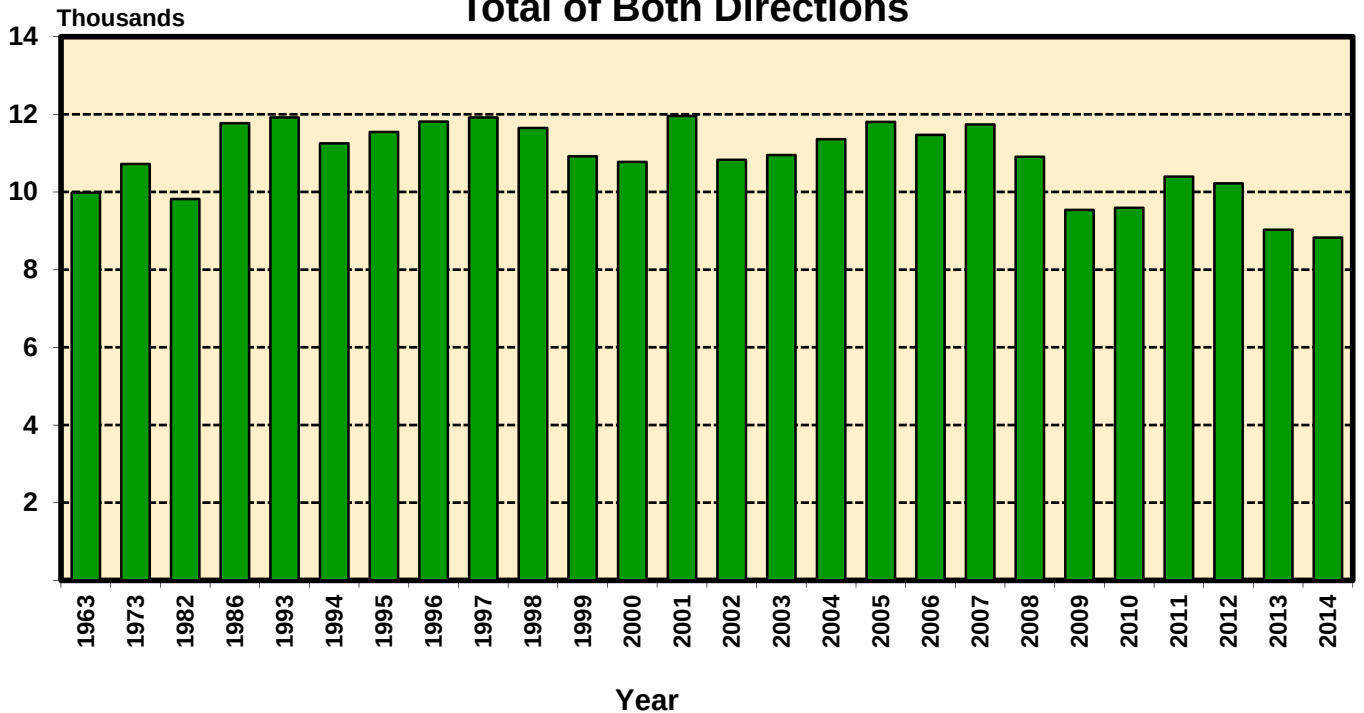


Bronx – Westchester Screenline Volumes

Riverdale Avenue Hourly Vehicle Volumes ~ 2014

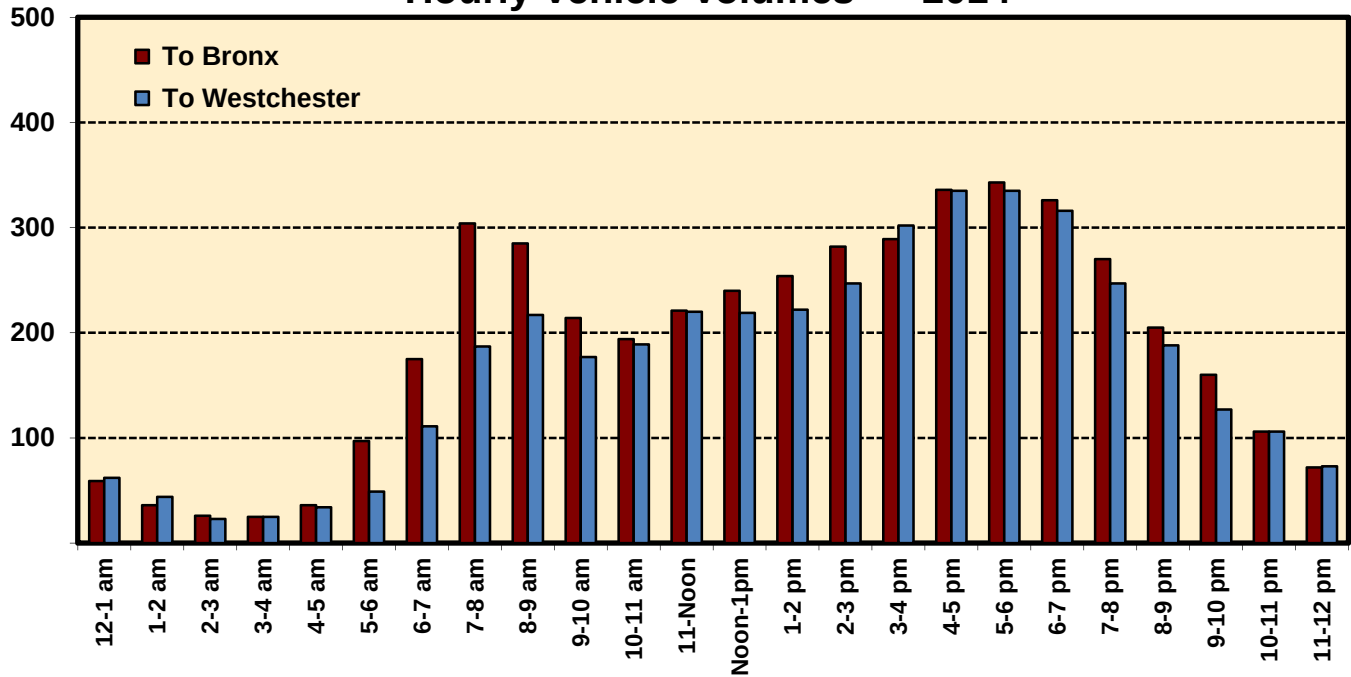


Riverdale Avenue Average Daily Traffic Volumes Total of Both Directions

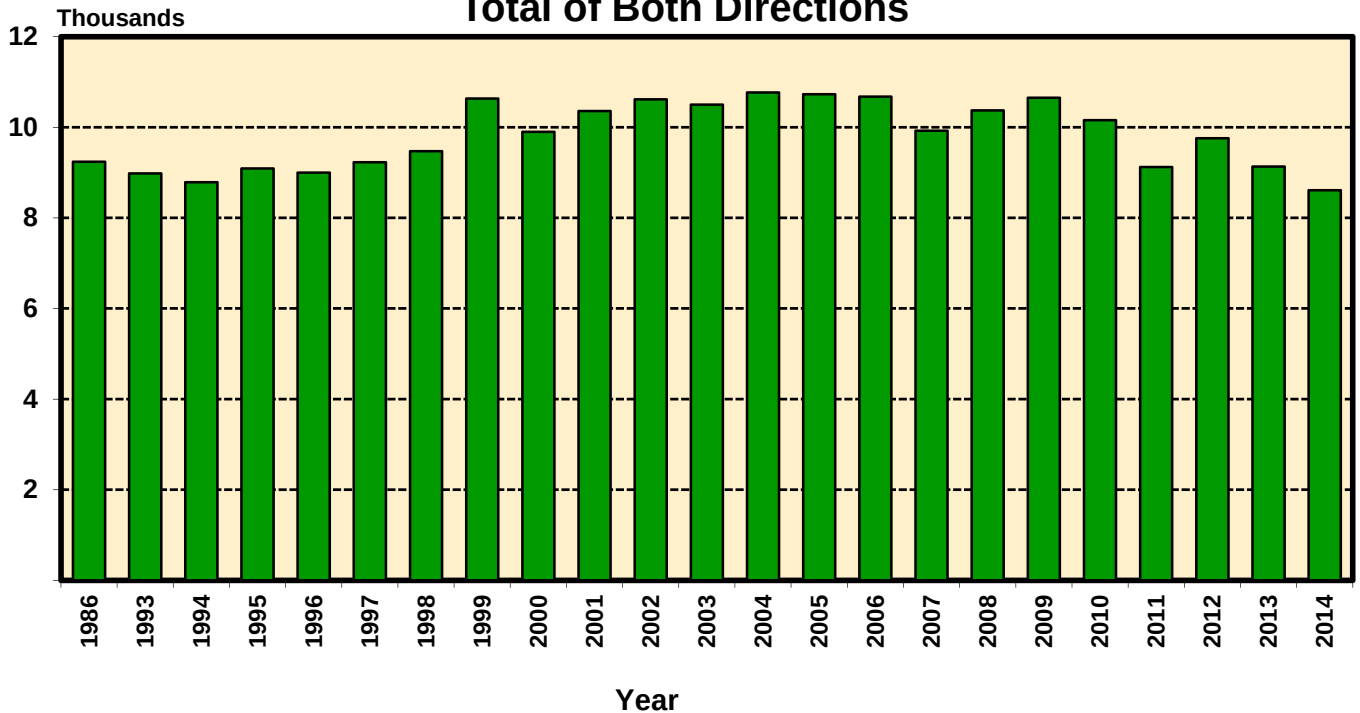


Bronx – Westchester Screenline Volumes

Van Cortlandt Park East
Hourly Vehicle Volumes ~ 2014

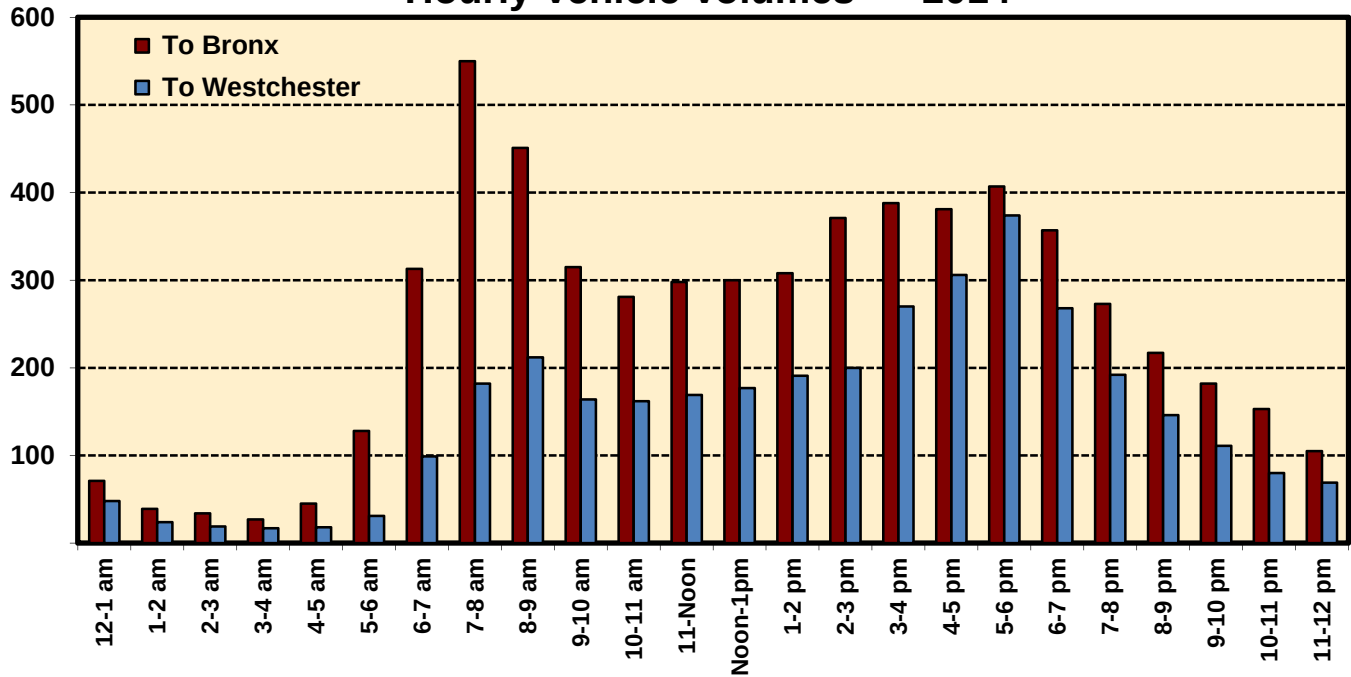


Van Cortlandt Park East
Average Daily Traffic Volumes
Total of Both Directions

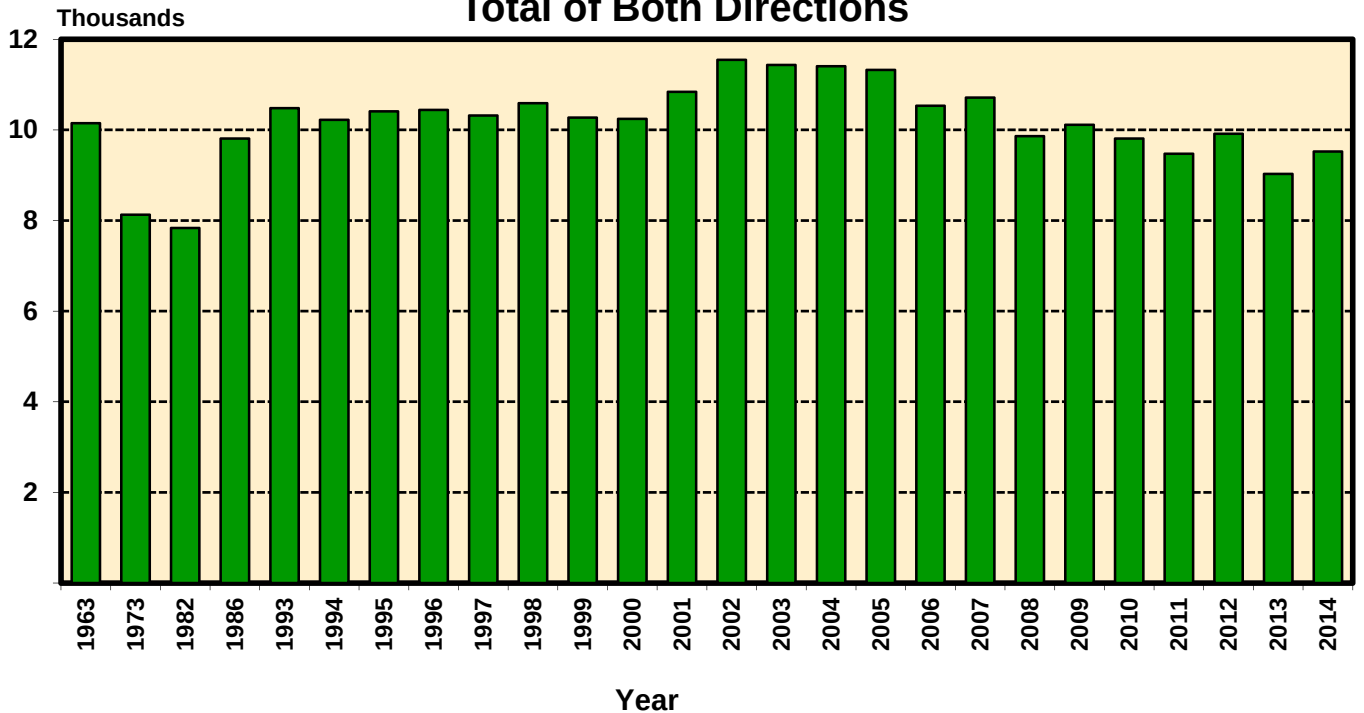


Bronx – Westchester Screenline Volumes

Webster Avenue Hourly Vehicle Volumes ~ 2014

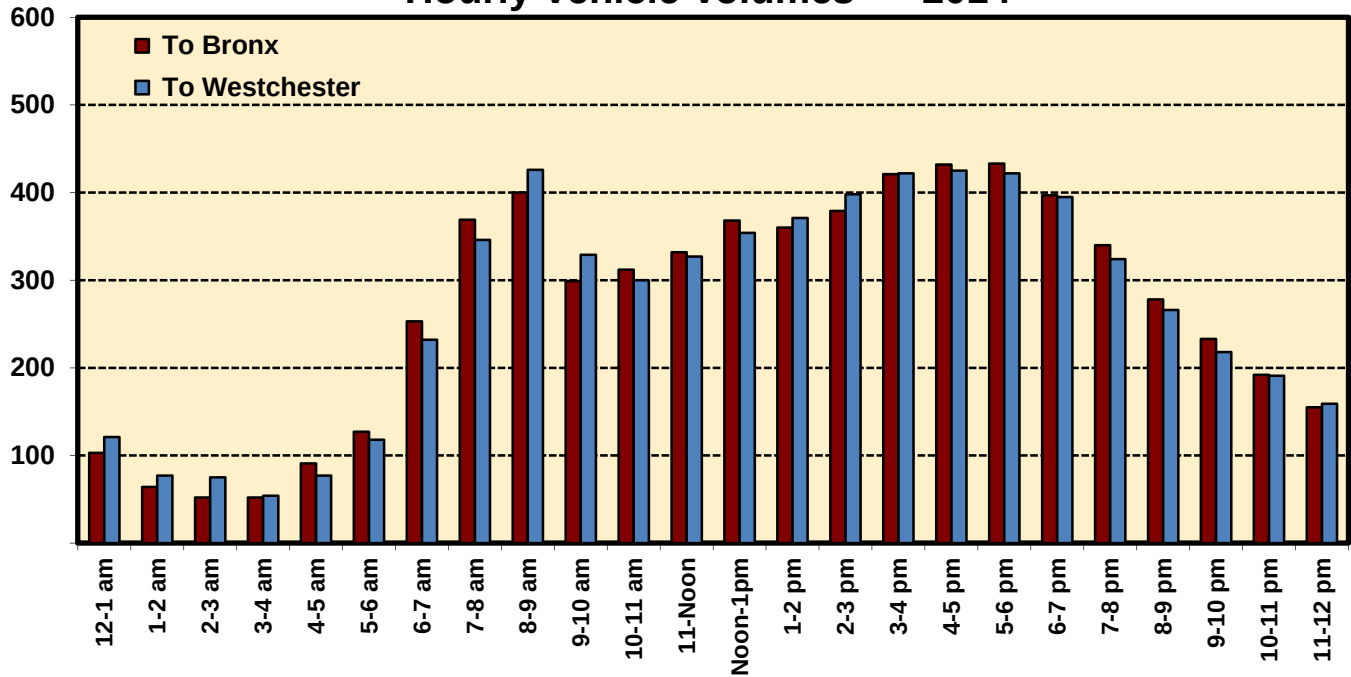


Webster Avenue Average Daily Traffic Volumes Total of Both Directions

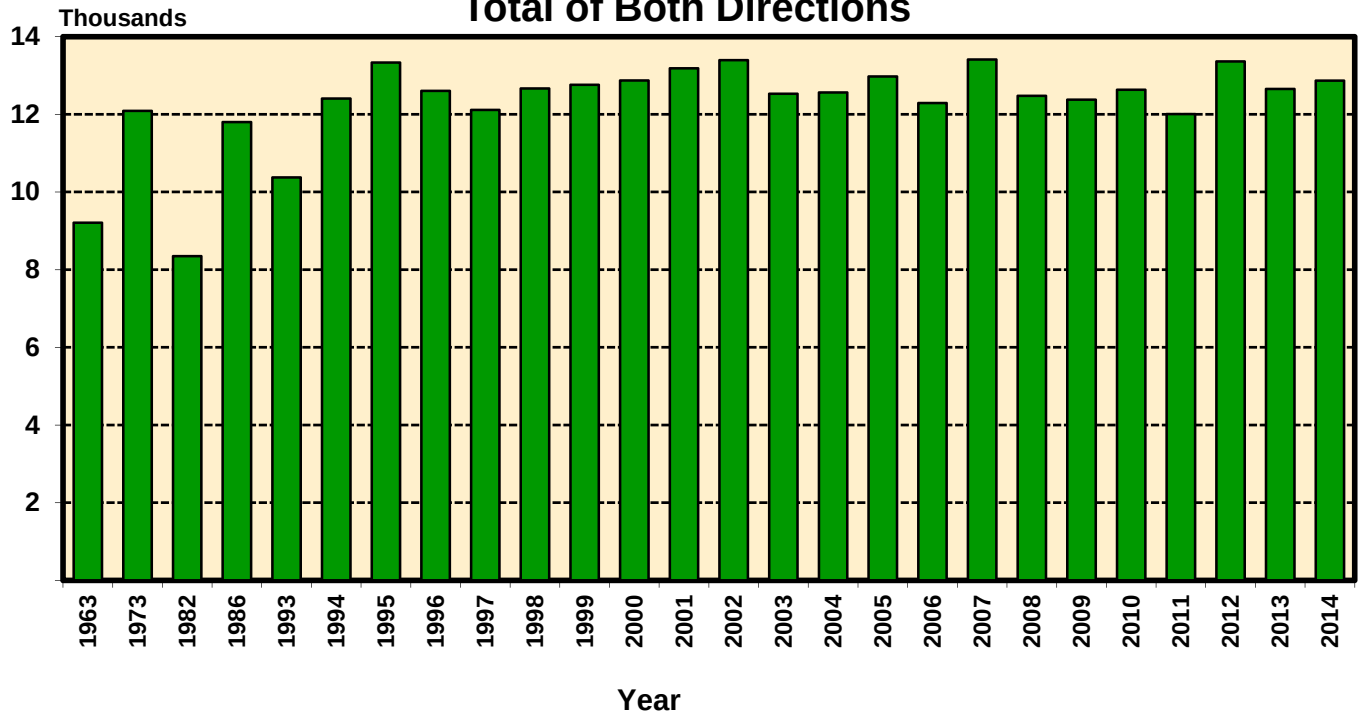


Bronx – Westchester Screenline Volumes

White Plains Road Hourly Vehicle Volumes ~ 2014



White Plains Road Average Daily Traffic Volumes Total of Both Directions



Queens-Nassau Screenline



Linden Boulevard 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 - 1994

Growth was moderate during this period, as Queens - Nassau screenline volume increased 6.4%, to 897,175 daily vehicles in 1994 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 18,903 daily vehicles, to 162,869 in 1994 from 143,966 in 1986 (+13.1%).
- The largest percentage increase was on Linden Boulevard (up 32.3%, to 30,506 daily vehicles from 23,050).
- The biggest decline was on Beach Channel Drive (decrease of 2,868 daily vehicles, or 11.2%, to 22,807 from 25,675).

1994 - 2004

Growth remained moderate from 1994 to 2004, as Queens - Nassau screenline traffic on the fifteen monitored facilities increased 7.6%, to 965,605 daily vehicles from 897,175.

- The largest volume increase occurred on the Laurelton Parkway (increase of 29,548 daily vehicles, or 20.3%, to 175,403 from 145,855).
- The largest percentage increase occurred on Seagirt Boulevard, where daily traffic increased 29.0%, to 21,044 daily vehicles in 2004 from 16,311 in 1994 (4,733 additional daily vehicles).
- The biggest decline was on the Long Island Expressway and its service roads (decrease of 15,970 daily vehicles, or 8.0%, to 183,862 from 199,832).

2004 - 2014

The past ten years, from 2004 to 2014, have been characterized by a small overall decline in daily Queens-Nassau traffic, with total volume on the fifteen monitored facilities decreasing less than 1%, to 962,639 daily vehicles in 2014 from 965,605 in 2004.

- The largest decrease was on the Grand Central Parkway and its service road, a loss of 20,915 daily vehicles, to 163,782 in 2014 from 184,697 in 2004 (-11.3%).

- Laurelton Parkway traffic decreased by 11,409 daily vehicles, to 163,994 in 2014 from 175,403 in 2004 (-6.5%).
- Daily traffic volume on Hempstead Avenue decreased 10.9%, to 38,886 from 43,662 (4,776 fewer daily vehicles).
- On Jamaica Avenue, daily traffic decreased 13.4%, to 26,622 from 30,727 (4,105 fewer daily vehicles).
- The only major increase occurred on the Long Island Expressway and its service roads (gain of 52,116 daily vehicles, or 28.3%, to 235,978 in 2014 from 183,862 in 2004).

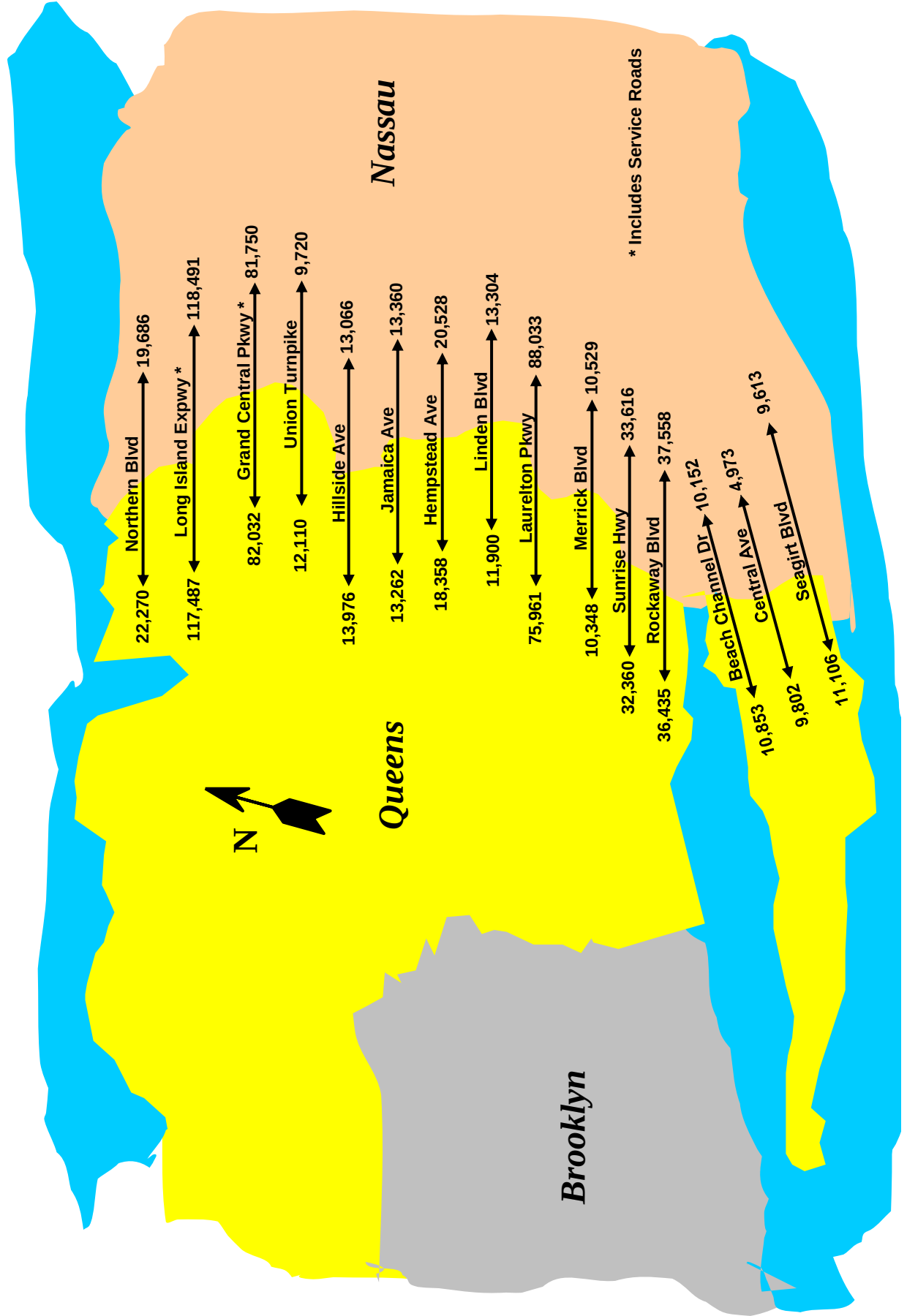
1963 - 2014

During the 51 years from 1963 to 2014, daily traffic on the thirteen Queens - Nassau thoroughfares monitored throughout the period increased 69.6%, to 927,145 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 380,595 additional daily vehicles on the thirteen continuously-monitored facilities, 282,844 (74.3% 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 163,782 in 2014 from 51,720 in 1963.
- Laurelton Parkway traffic nearly doubled, to 163,994 daily vehicles from 85,440.
- On the Long Island Expressway and its service roads, traffic increased 64.2%, to 235,978 daily vehicles from 143,750.
- Rockaway Boulevard traffic more than doubled, to 73,993 daily vehicles from 36,460.
- Jamaica Avenue traffic increased 74.0% to 26,622 daily vehicles from 15,300.
- Linden Boulevard traffic increased 75.9% to 25,204 daily vehicles from 14,330.

Queens – Nassau Screenline

2014 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
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
Central Ave	8,681	8,909	9,308	8,321	9,051	8,778	8,833	8,839	9,133	8,968	9,802
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
Hempstead Ave	20,781	19,270	18,731	22,786	24,705	22,303	19,701	19,196	23,311	22,193	18,358
Hillside Ave	13,697	13,472	12,558	12,170	12,489	12,481	12,862	11,768	14,004	13,865	13,976
Jamaica Ave	15,601	15,903	14,954	14,524	14,433	14,318	14,947	14,285	14,625	12,774	13,262
Laurelton Pky	85,728	80,245	80,157	79,954	75,794	74,934	83,535	81,615	77,773	80,608	75,961
Linden Blvd	12,869	13,521	13,099	11,976	12,855	12,430	12,815	12,025	12,314	12,853	11,900
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
Merrick Blvd	10,441	9,841	9,466	9,238	9,041	9,140	9,741	9,630	11,365	10,159	10,348
Northern Blvd	23,054	20,807	21,523	20,953	20,765	20,252	20,885	21,642	23,838	21,911	22,270
Rockaway Blvd	35,464	36,156	36,371	39,466	38,167	38,366	36,767	36,560	37,548	38,459	36,435
Seagirt Blvd	10,665	10,046	11,236	10,659	10,099	10,204	10,800	10,690	10,928	10,926	11,106
Sunrise Hwy	33,706	35,166	32,833	33,626	32,159	33,065	32,749	32,213	31,281	33,452	32,360
Union Tpke	12,770	12,532	11,792	10,826	11,338	10,709	11,259	11,491	11,835	12,178	12,110
Totals	480,260	473,349	462,916	469,587	477,437	473,526	480,213	475,313	483,838	486,161	478,260

* 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
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
Central Ave	5,541	5,762	6,262	5,334	4,803	4,738	4,750	4,861	4,869	4,944	4,973
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
Hempstead Ave	22,881	24,757	22,234	23,292	21,910	22,191	22,005	21,470	20,996	20,801	20,528
Hillside Ave	12,676	13,055	10,565	12,158	12,411	11,080	10,673	10,404	12,161	13,086	13,066
Jamaica Ave	15,126	15,717	14,660	14,479	14,641	13,953	14,203	13,928	14,414	13,411	13,360
Laurelton Pky	89,675	88,909	88,702	93,700	83,373	87,118	86,706	88,528	86,570	88,803	88,033
Linden Blvd	15,619	16,123	15,199	13,996	11,912	13,919	14,815	13,708	16,081	13,884	13,304
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
Merrick Blvd	10,565	9,694	9,567	9,421	10,467	9,426	10,581	9,804	11,398	10,701	10,529
Northern Blvd	21,748	21,067	19,837	18,072	18,718	18,372	18,253	18,291	19,557	19,417	19,686
Rockaway Blvd	38,468	37,188	37,396	38,293	37,293	36,742	37,297	38,157	38,475	39,409	37,558
Seagirt Blvd	10,379	9,805	11,321	11,783	9,808	10,064	10,498	10,143	10,338	11,090	9,613
Sunrise Hwy	34,421	35,842	33,986	35,272	32,835	33,329	34,963	32,411	29,316	33,385	33,616
Union Tpke	12,246	10,437	9,297	8,774	9,074	8,775	9,041	8,204	8,222	9,392	9,720
Totals	485,345	485,740	471,633	482,622	474,068	482,075	483,455	482,345	480,382	483,843	484,379

* 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

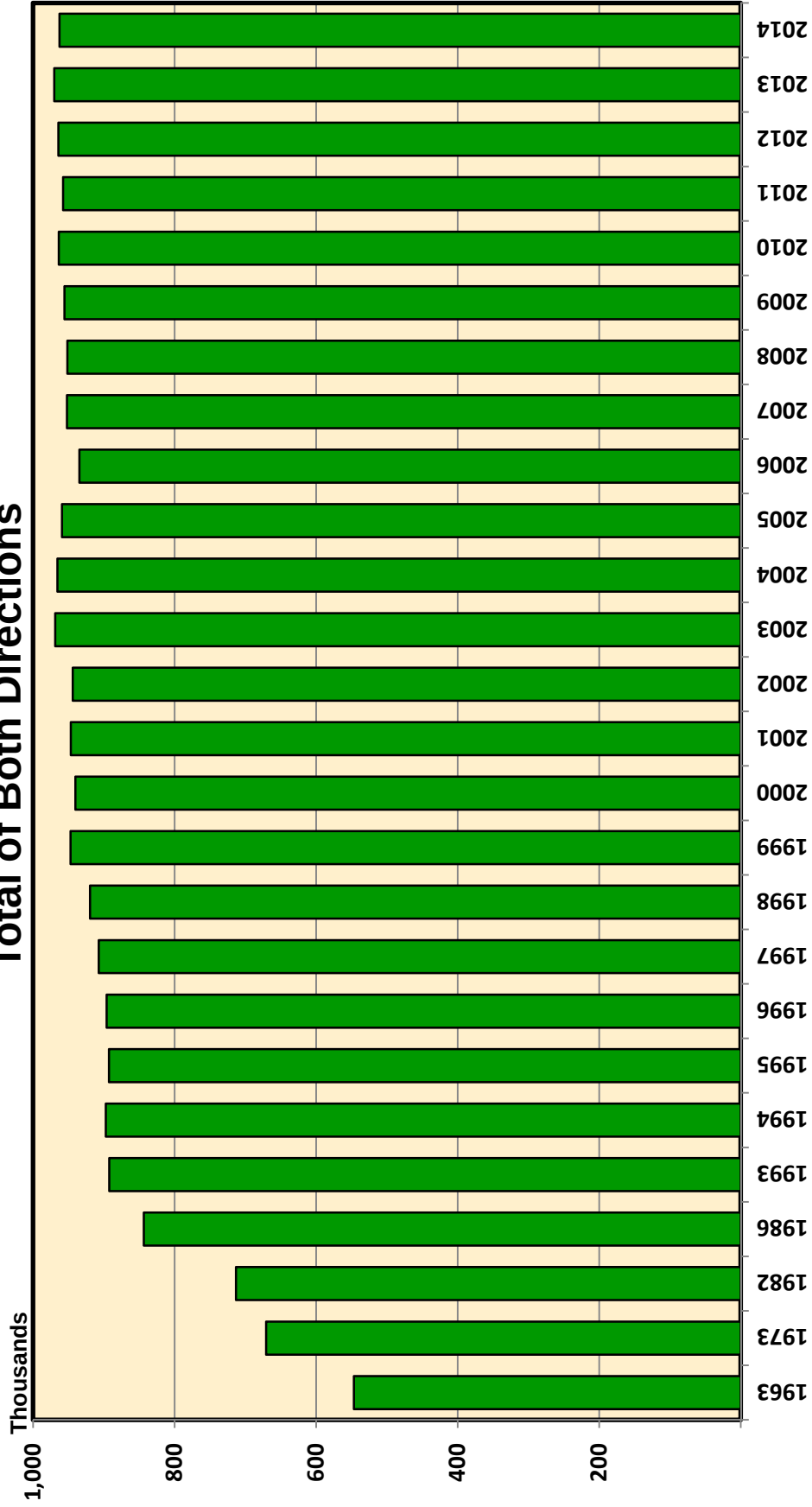
Both Directions

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
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
Central Ave	14,222	14,671	15,570	13,655	13,854	13,516	13,583	13,700	14,002	13,912	14,775
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
Hempstead Ave	43,662	44,027	40,965	46,078	46,615	44,494	41,706	40,666	44,307	42,994	38,886
Hillside Ave	26,373	26,527	23,123	24,328	24,900	23,561	23,535	22,172	26,165	26,951	27,042
Jamaica Ave	30,727	31,620	29,614	29,003	29,074	28,271	29,150	28,213	29,039	26,185	26,622
Laurelton Pky	175,403	169,154	168,859	173,654	159,167	162,052	170,241	170,143	164,343	169,411	163,994
Linden Blvd	28,488	29,644	28,298	25,972	24,767	26,349	27,630	25,733	28,395	26,737	25,204
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
Merrick Blvd	21,006	19,535	19,033	18,659	19,508	18,566	20,322	19,434	22,763	20,860	20,877
Northern Blvd	44,802	41,874	41,360	39,025	39,483	38,624	39,138	39,933	43,395	41,328	41,956
Rockaway Blvd	73,932	73,344	73,767	77,759	75,460	75,108	74,064	74,717	76,023	77,868	73,993
Seagirt Blvd	21,044	19,851	22,557	22,442	19,907	20,268	21,298	20,833	21,266	22,016	20,719
Sunrise Hwy	68,127	71,008	66,819	68,898	64,994	66,394	67,712	64,624	60,597	66,837	65,976
Union Tpke	25,016	22,969	21,089	19,600	20,412	19,484	20,300	19,695	20,057	21,570	21,830
Totals	965,605	959,089	934,549	952,209	951,505	955,601	963,668	957,658	964,220	970,004	962,639

* Includes service roads.

Queens – Nassau Screenline

Historical Comparisons
Average Daily Traffic Volumes
Total of Both Directions



2014 Screenline Volumes

Queens - Nassau

	Beach Channel Drive		Central Ave		Grand Central Parkway				Hempstead Ave		Hillside Ave	
	* S/B	N/B	* W/B	E/B	* W/B	Main Rdwy	Service Rdwy	E/B	* W/B	E/B	* W/B	E/B
Mid-1am	213	115	126	36	1,047	952	35	18	299	339	116	103
1-2am	123	73	65	18	494	453	8	7	176	191	55	66
2-3am	77	59	44	18	340	278	3	5	118	128	36	39
3-4am	59	71	35	17	528	208	2	6	116	107	33	34
4-5am	76	109	51	35	1,457	415	6	13	203	159	63	54
5-6am	163	288	115	85	3,848	1,179	17	41	526	362	229	143
6-7am	444	554	348	209	5,327	3,372	67	145	1,081	648	788	310
7-8am	598	734	588	296	4,672	5,556	156	380	1,291	1,139	1,096	669
8-9am	552	640	610	336	4,089	5,569	181	695	1,093	1,319	850	966
9-10am	507	558	541	327	4,263	4,923	229	436	896	1,003	650	745
10-11am	476	523	447	271	3,885	3,849	205	244	831	892	597	582
11-Noon	491	555	435	258	3,458	3,575	221	242	845	952	655	642
Noon-1	542	564	472	265	3,309	3,751	264	256	881	1,049	730	722
1-2pm	593	598	504	269	3,426	4,068	238	237	917	1,098	750	707
2-3pm	614	629	577	309	3,850	5,421	280	261	948	1,285	798	819
3-4pm	681	712	607	378	4,421	5,260	286	434	969	1,346	838	1,021
4-5pm	703	661	690	357	5,042	4,419	430	647	1,049	1,392	903	1,147
5-6pm	734	611	703	348	5,082	4,301	484	712	1,169	1,419	1,167	1,168
6-7pm	731	527	691	289	4,769	4,696	339	510	1,134	1,383	1,048	982
7-8pm	679	427	611	264	3,488	4,414	224	208	1,026	1,273	829	769
8-9pm	560	353	500	204	2,733	3,139	167	124	883	979	653	540
9-10pm	483	289	423	164	2,725	2,489	112	95	769	833	488	380
10-11pm	433	273	374	127	3,322	2,067	74	66	626	691	369	277
11-Mid	321	229	245	93	2,383	1,569	46	45	512	541	235	181
24 hr Total	10,853	10,152	9,802	4,973	77,958	75,923	4,074	5,827	18,358	20,528	13,976	13,066
6-10am	2,101	2,486	2,087	1,168	18,351	19,420	633	1,656	4,361	4,109	3,384	2,690
10am-1pm	1,509	1,642	1,354	794	10,652	11,175	690	742	2,557	2,893	1,982	1,946
1-3pm	1,207	1,227	1,081	578	7,276	9,489	518	498	1,865	2,383	1,548	1,526
3-7pm	2,849	2,511	2,691	1,372	19,314	18,676	1,539	2,303	4,321	5,540	3,956	4,318
6am-7pm	7,666	7,866	7,213	3,912	55,593	58,760	3,380	5,199	13,104	14,925	10,870	10,480

* To Queens

2014 Screenline Volumes Queens - Nassau (cont'd)

	Jamaica Ave		Laurelton Parkway		Linden Blvd		Long Island Expressway				Merrick Blvd	
	* W/B	E/B	* W/B	E/B	* W/B	E/B	* W/B	Main Rdwy	* W/B	E/B	* W/B	E/B
Mid-1am	125	118	963	1,799	203	222	1,263	2,053	861	16	82	128
1-2am	63	69	519	1,000	109	124	877	1,337	629	5	61	83
2-3am	50	45	436	651	82	72	819	1,126	647	6	41	54
3-4am	48	38	614	514	70	65	1,129	1,049	861	4	42	43
4-5am	96	68	1,535	765	98	121	2,180	1,515	715	9	57	58
5-6am	294	182	4,685	1,626	267	238	5,665	2,977	43	37	203	110
6-7am	654	419	5,567	3,828	568	467	6,496	5,419	633	118	660	227
7-8am	849	713	4,285	4,583	775	712	5,597	6,581	823	250	802	445
8-9am	750	957	4,042	4,709	660	783	5,269	6,546	351	498	633	633
9-10am	664	847	4,122	4,205	572	667	5,613	6,231	213	400	498	532
10-11am	668	692	3,756	3,583	515	596	5,780	5,846	174	239	485	502
11-Noon	659	739	3,463	3,593	526	601	5,798	5,750	146	211	510	515
Noon-1	715	759	3,555	3,895	552	653	5,616	6,027	155	215	519	565
1-2pm	725	766	3,666	4,468	585	684	5,558	6,091	152	247	557	579
2-3pm	731	806	3,776	5,466	634	806	5,844	6,569	155	258	579	633
3-4pm	815	959	4,052	5,636	708	898	5,941	6,633	192	547	633	775
4-5pm	922	1,058	4,226	5,750	692	881	6,175	6,072	330	982	673	853
5-6pm	1,038	1,037	4,408	5,963	789	901	6,103	5,576	670	1,004	790	917
6-7pm	909	915	4,110	5,973	791	905	5,998	6,037	560	631	682	847
7-8pm	747	767	3,757	5,210	730	826	5,442	5,871	186	162	590	682
8-9pm	630	529	3,322	4,387	634	664	4,767	5,165	123	107	475	480
9-10pm	494	379	3,007	3,965	556	589	4,266	4,628	170	78	354	379
10-11pm	375	305	2,437	3,655	442	504	3,509	4,177	302	54	254	295
11-Mid	241	193	1,658	2,809	342	325	2,406	3,112	285	25	168	194
24 hr Total	13,262	13,360	75,961	88,033	11,900	13,304	108,111	112,388	9,376	6,103	10,348	10,529

6-10am	2,917	2,936	18,016	17,325	2,575	2,629	22,975	24,777	2,020	1,266	2,593	1,837
10am-1pm	2,042	2,190	10,774	11,071	1,593	1,850	17,194	17,623	475	665	1,514	1,582
1-3pm	1,456	1,572	7,442	9,934	1,219	1,490	11,402	12,660	307	505	1,136	1,212
3-7pm	3,684	3,969	16,796	23,322	2,980	3,585	24,217	24,318	1,752	3,164	2,778	3,392
6am-7pm	10,099	10,667	53,028	61,652	8,367	9,554	75,788	79,378	4,554	5,600	8,021	8,023

* To Queens

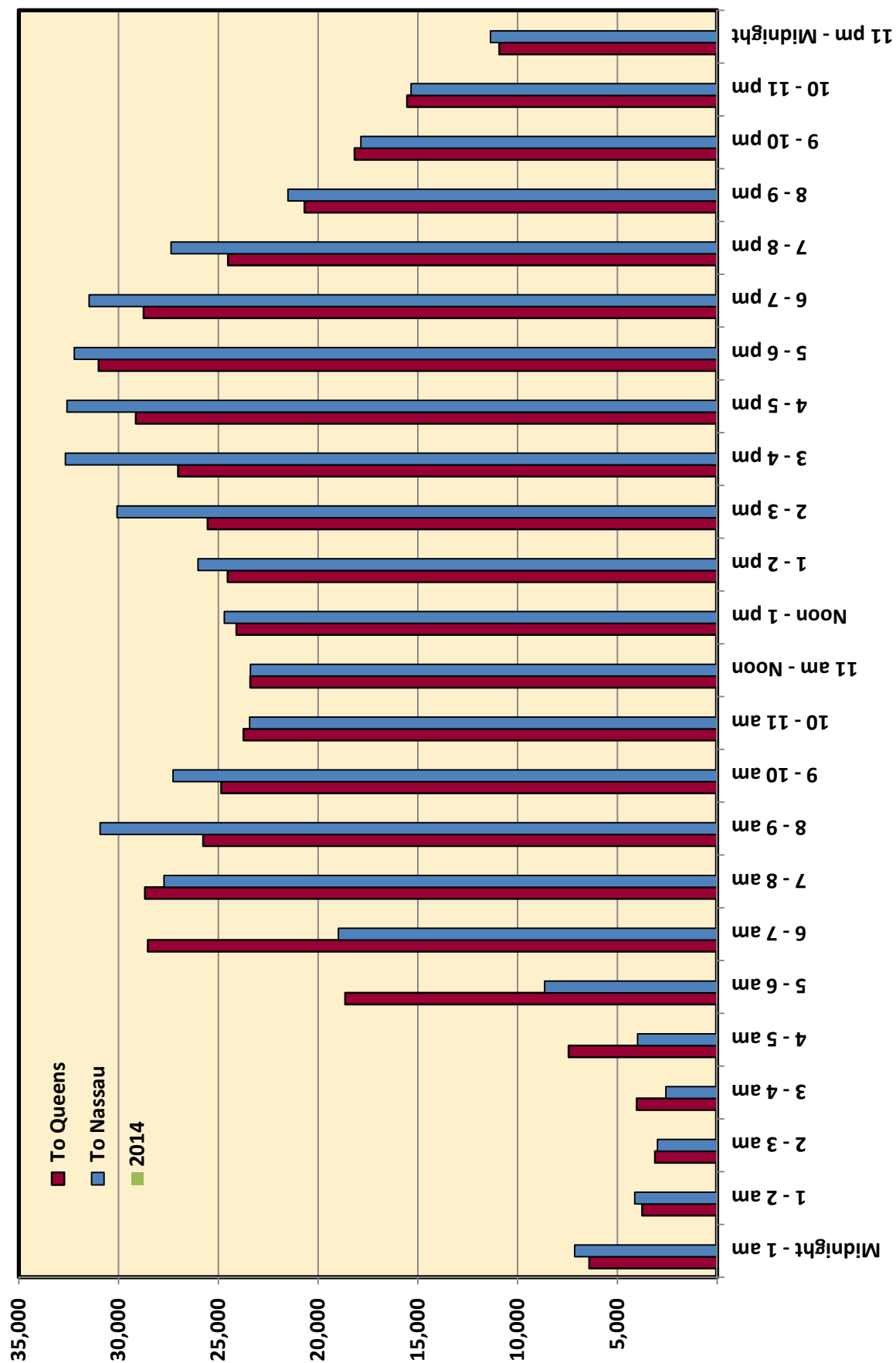
2014 Screenline Volumes Queens - Nassau (cont'd)

	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	114	99	394	735	134	71	336	287	99	53	6,410	7,144
1-2am	48	57	241	408	71	37	164	177	58	27	3,761	4,132
2-3am	32	36	173	284	44	36	136	139	35	15	3,113	2,991
3-4am	34	31	219	216	32	39	180	111	29	14	4,031	2,567
4-5am	79	36	384	327	42	84	378	183	27	35	7,447	3,986
5-6am	298	109	1,059	598	128	202	988	385	115	82	18,643	8,644
6-7am	1,120	446	1,752	1,323	560	465	2,026	832	446	203	28,537	18,985
7-8am	1,574	1,150	2,078	1,905	1,063	620	1,796	1,458	633	532	28,676	27,723
8-9am	1,473	1,637	2,101	2,125	868	705	1,686	1,933	550	874	25,758	30,925
9-10am	1,371	1,541	1,940	1,891	655	512	1,594	1,784	530	670	24,858	27,272
10-11am	1,228	1,097	2,125	1,865	466	403	1,545	1,761	555	488	23,738	23,433
11-Noon	1,267	1,079	2,209	1,875	453	427	1,640	1,885	624	498	23,400	23,397
Noon-1	1,319	1,010	2,410	2,009	479	430	1,742	1,944	831	587	24,091	24,701
1-2pm	1,288	1,073	2,432	2,064	530	487	1,821	1,952	792	634	24,534	26,022
2-3pm	1,302	1,170	2,258	2,234	589	639	1,830	2,173	770	599	25,535	30,077
3-4pm	1,428	1,359	2,191	2,419	654	951	1,816	2,562	783	775	27,015	32,665
4-5pm	1,467	1,527	2,258	2,427	694	851	1,890	2,693	992	868	29,136	32,585
5-6pm	1,539	1,531	2,264	2,474	764	741	2,063	2,684	1,231	833	30,998	32,220
6-7pm	1,482	1,446	1,876	2,456	738	581	1,908	2,616	981	683	28,747	31,477
7-8pm	1,275	1,236	1,798	2,235	636	440	1,791	2,095	704	491	24,513	27,370
8-9pm	947	807	1,547	1,841	487	304	1,696	1,551	558	334	20,682	21,508
9-10pm	745	555	1,194	1,537	419	229	1,599	1,075	371	192	18,175	17,856
10-11pm	518	404	863	1,309	347	193	1,061	793	236	150	15,542	15,340
11-Mid	322	250	669	1,001	253	166	674	543	160	83	10,920	11,359
24 hr Total	22,270	19,686	36,435	37,558	11,106	9,613	32,360	33,616	12,110	9,720	478,260	484,379
6-10am	5,538	4,774	7,871	7,244	3,146	2,302	7,102	6,007	2,159	2,279	107,829	104,905
10am-1pm	3,814	3,186	6,744	5,749	1,398	1,260	4,927	5,590	2,010	1,573	71,229	71,531
1-3pm	2,590	2,243	4,690	4,298	1,119	1,126	3,651	4,125	1,562	1,233	50,069	56,099
3-7pm	5,916	5,863	8,589	9,776	2,850	3,124	7,677	10,555	3,987	3,159	115,896	128,947
6am-7pm	17,858	16,066	27,894	27,067	8,513	7,812	23,357	26,277	9,718	8,244	345,023	361,482

* To Queens

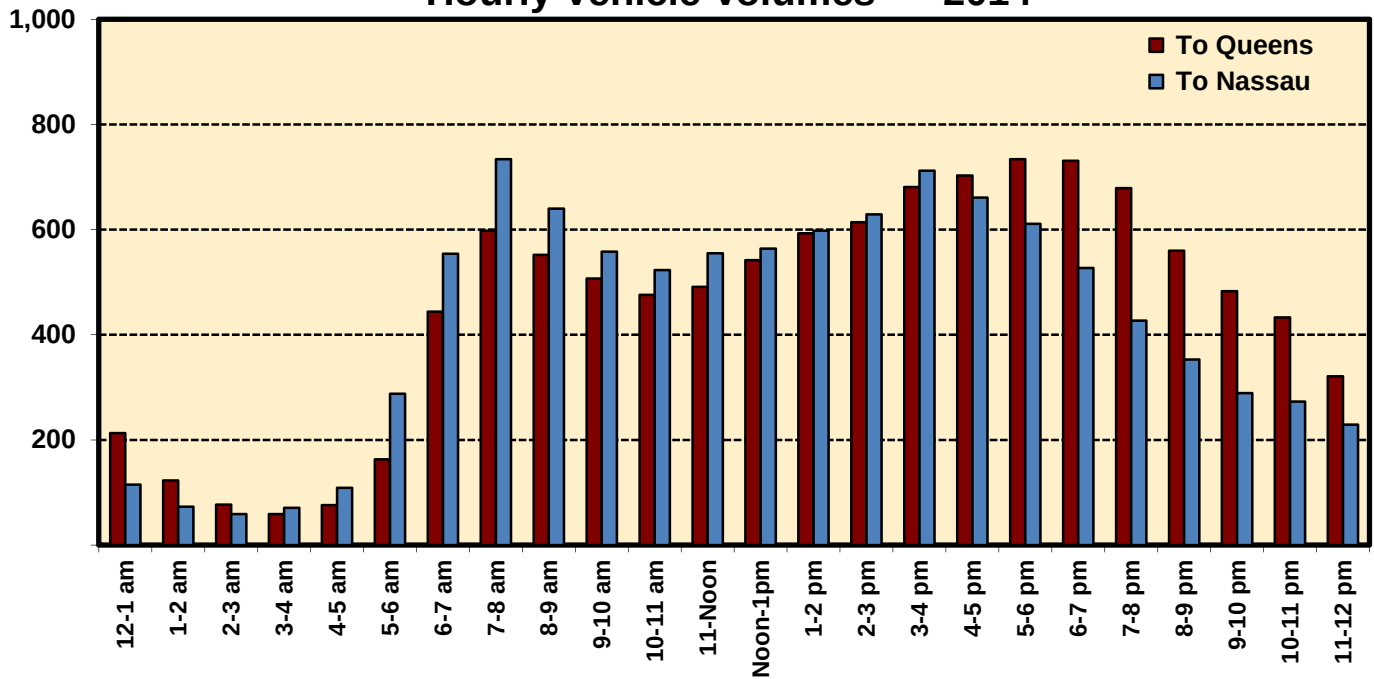
Queens - Nassau Screenline

Total Hourly Vehicle Volumes ~ 2014

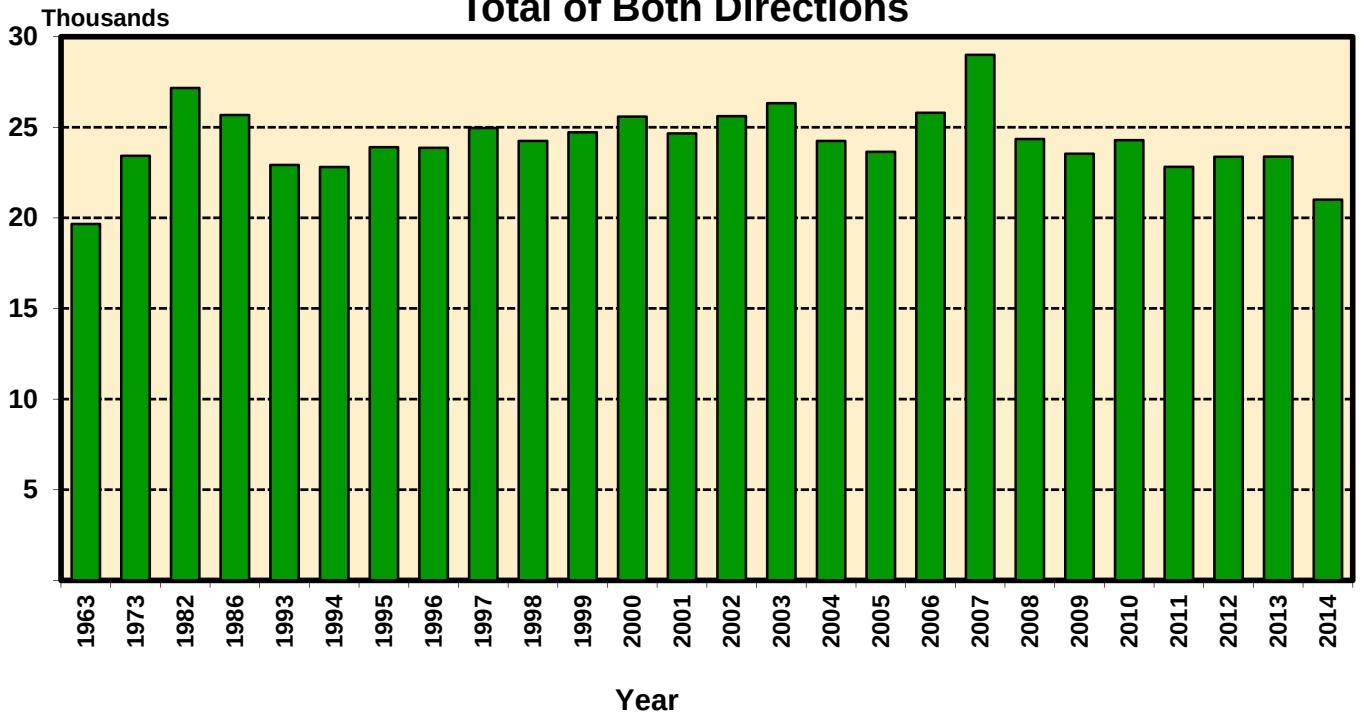


Queens – Nassau Screenline Volumes

Beach Channel Drive
Hourly Vehicle Volumes ~ 2014

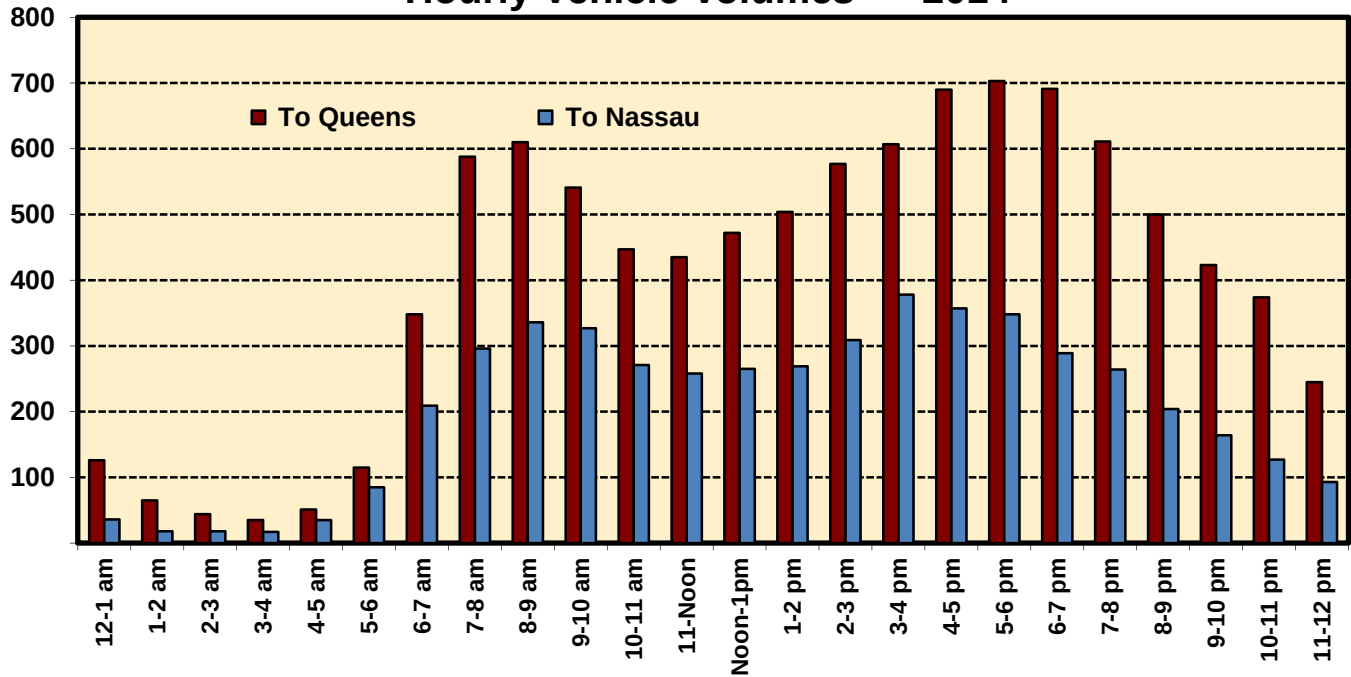


Beach Channel Drive
Average Daily Traffic Volumes
Total of Both Directions

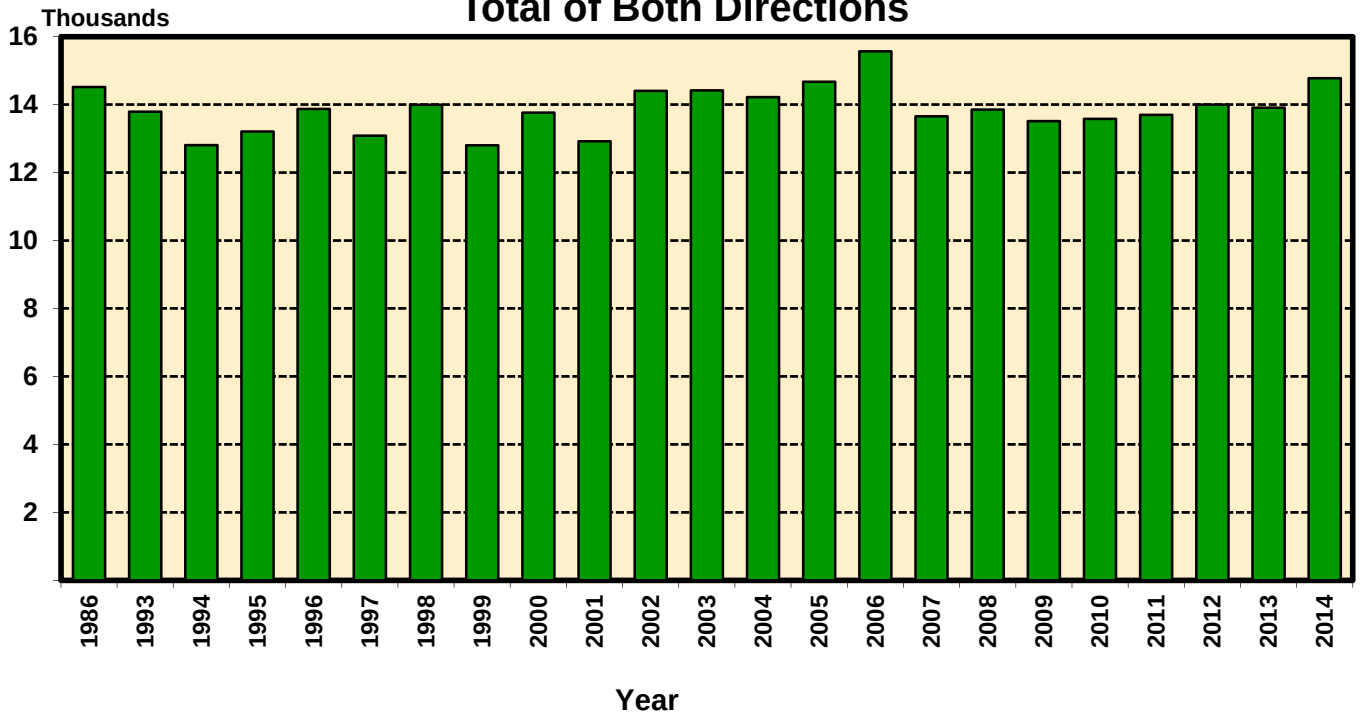


Queens – Nassau Screenline Volumes

**Central Avenue
Hourly Vehicle Volumes ~ 2014**

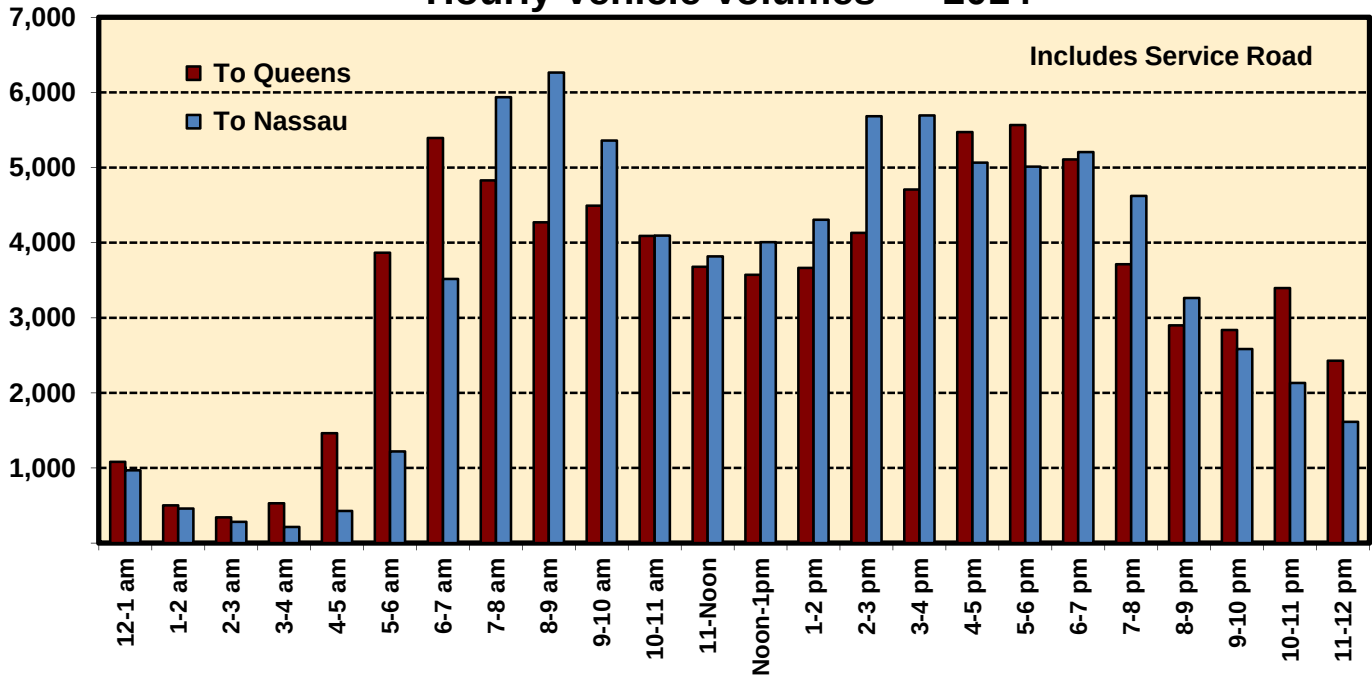


**Central Avenue
Average Daily Traffic Volumes
Total of Both Directions**

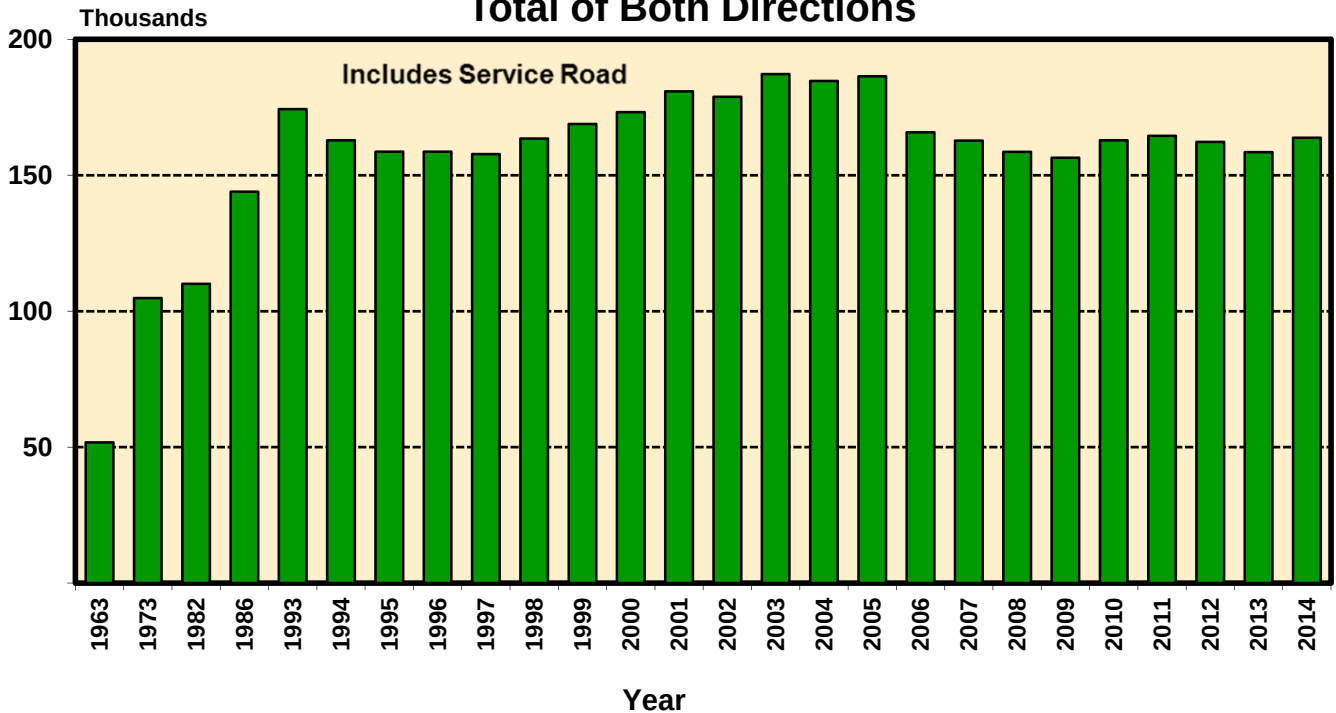


Queens – Nassau Screenline Volumes

Grand Central Parkway Hourly Vehicle Volumes ~ 2014

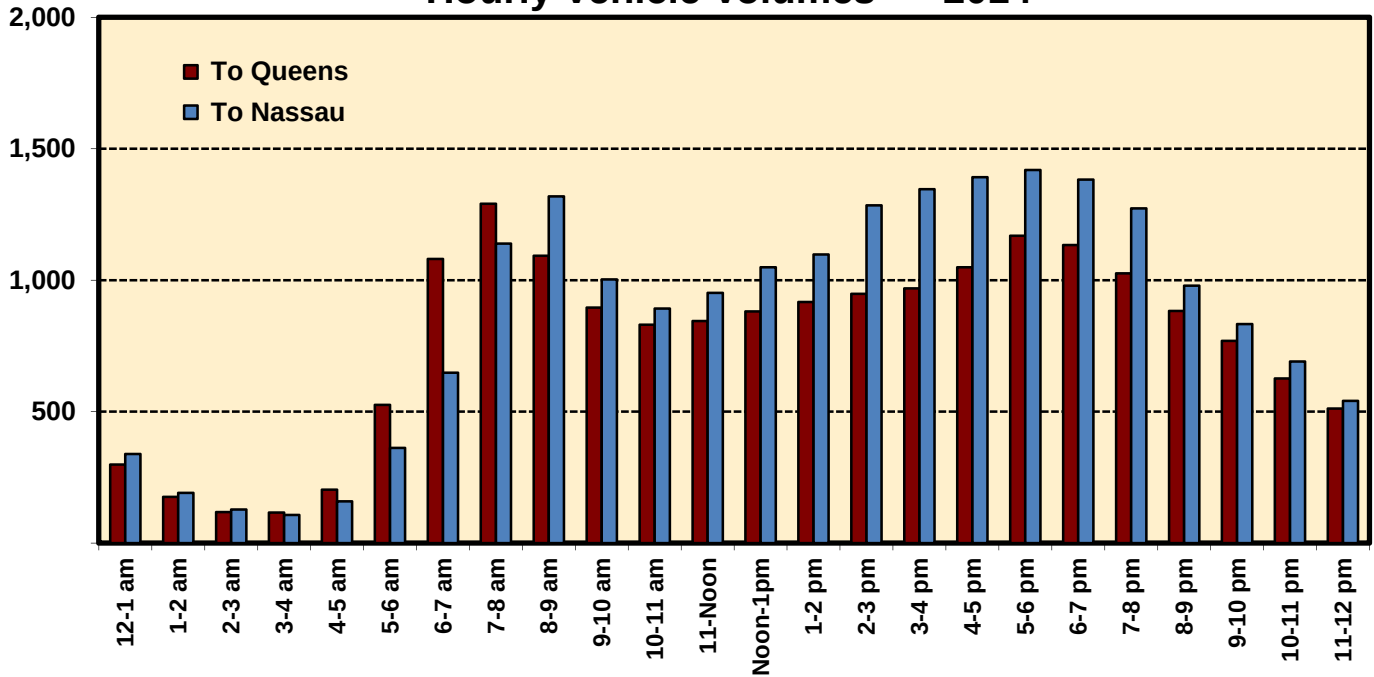


Grand Central Parkway Average Daily Traffic Volumes Total of Both Directions

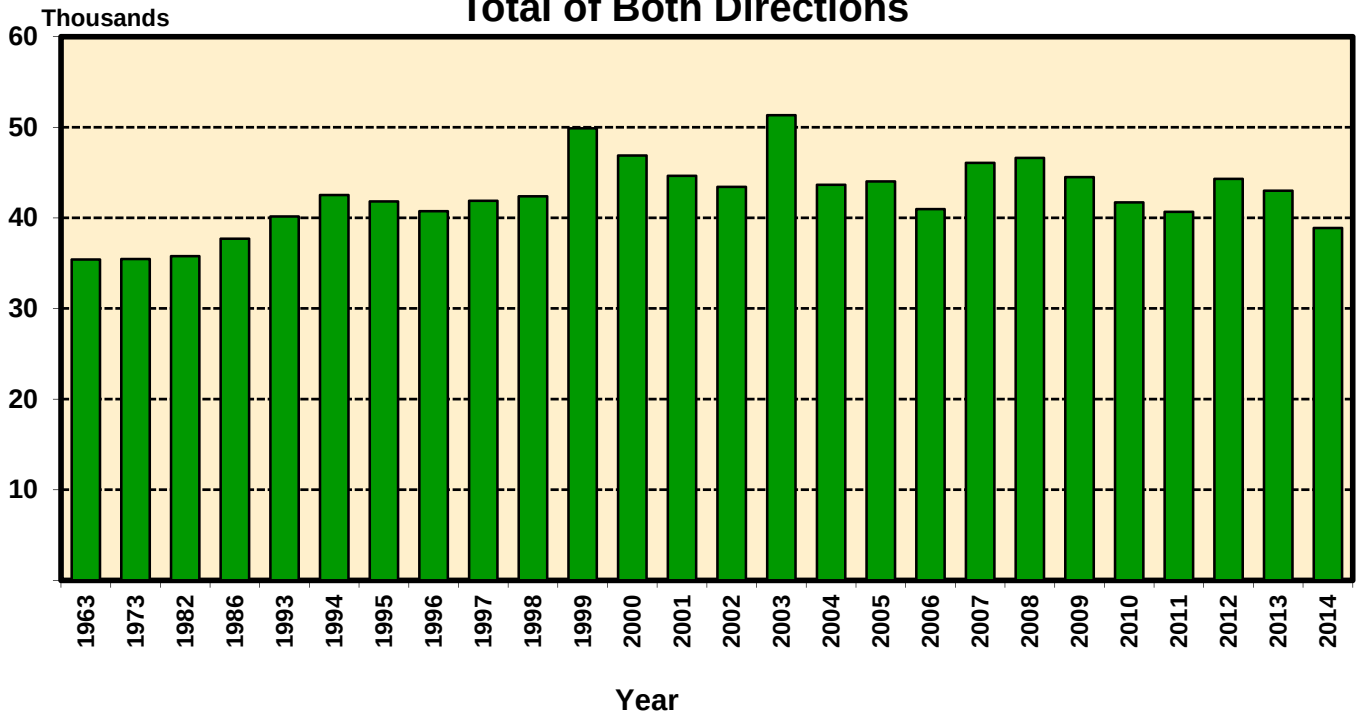


Queens – Nassau Screenline Volumes

Hempstead Avenue Hourly Vehicle Volumes ~ 2014

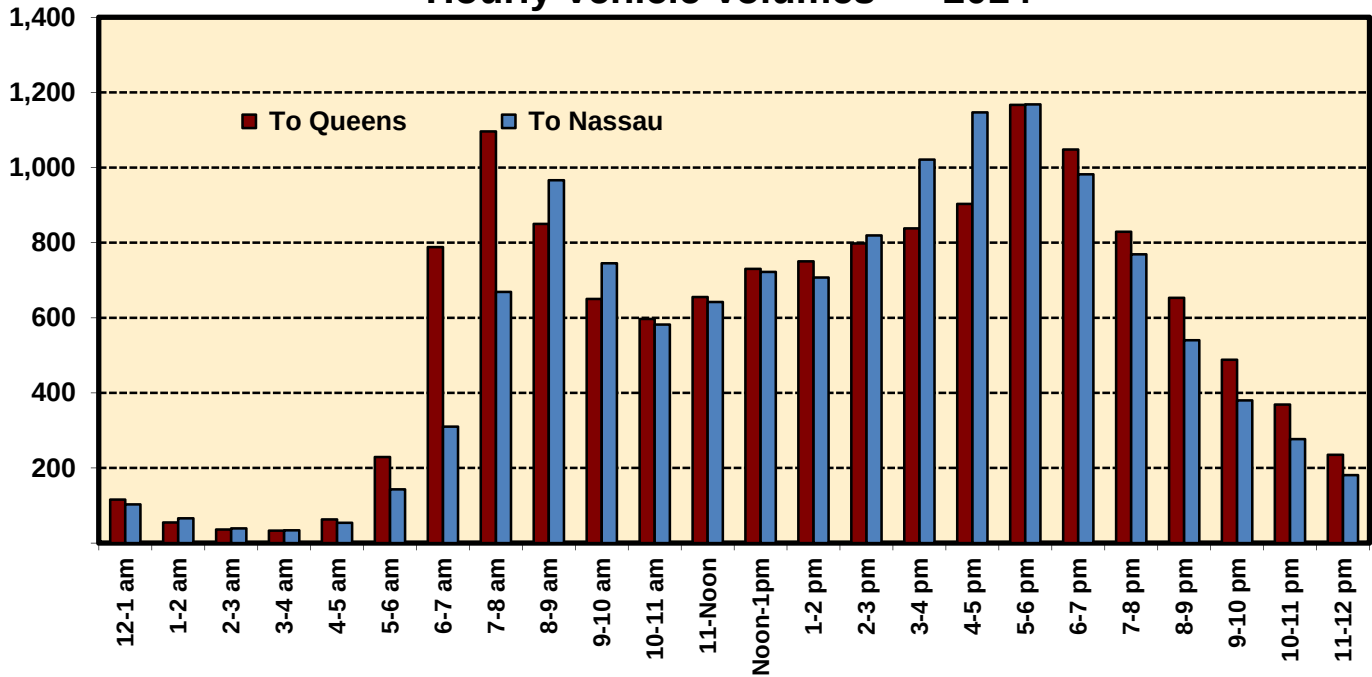


Hempstead Avenue Average Daily Traffic Volumes Total of Both Directions

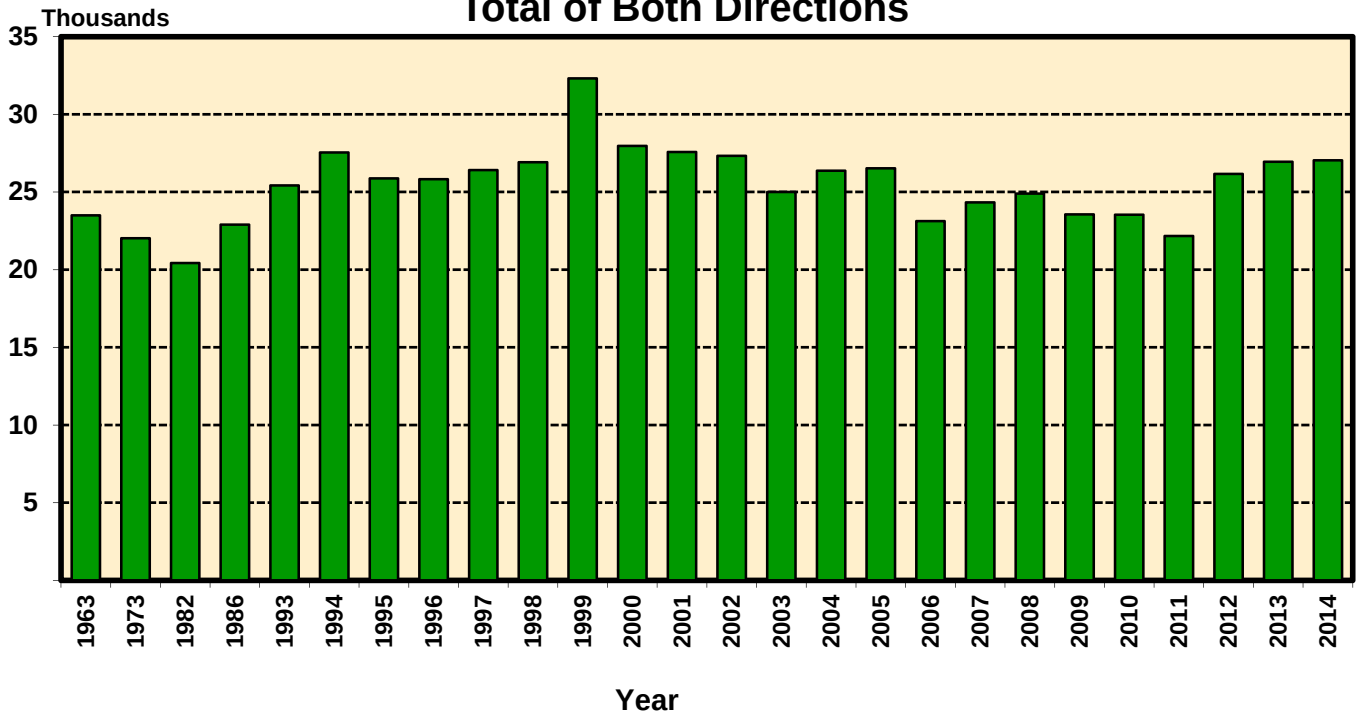


Queens – Nassau Screenline Volumes

**Hillside Avenue
Hourly Vehicle Volumes ~ 2014**

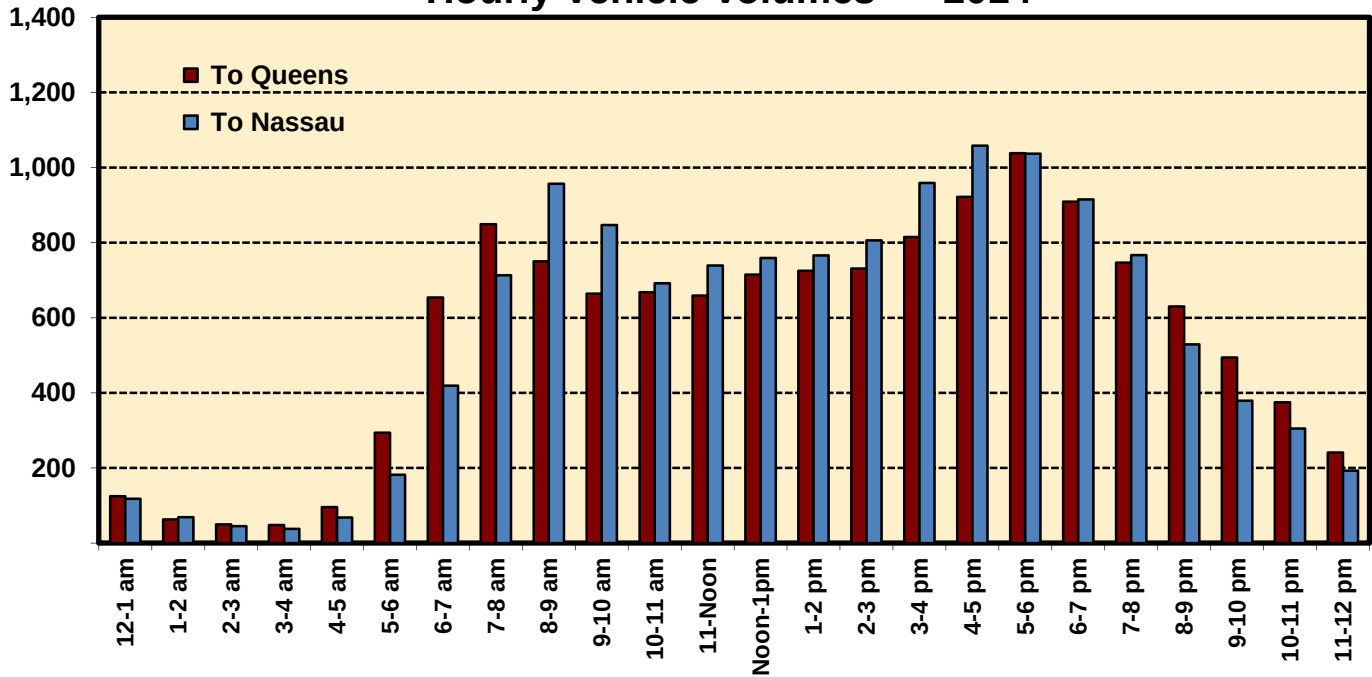


**Hillside Avenue
Average Daily Traffic Volumes
Total of Both Directions**

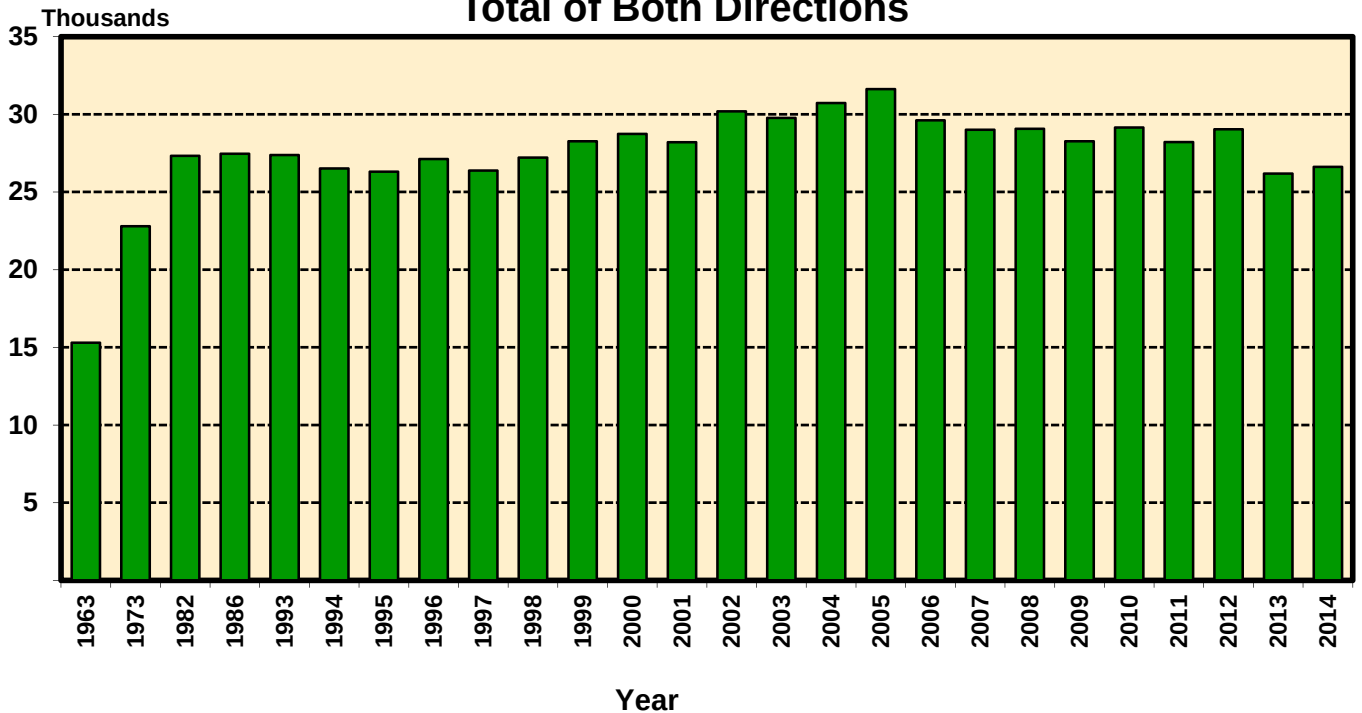


Queens – Nassau Screenline Volumes

**Jamaica Avenue
Hourly Vehicle Volumes ~ 2014**

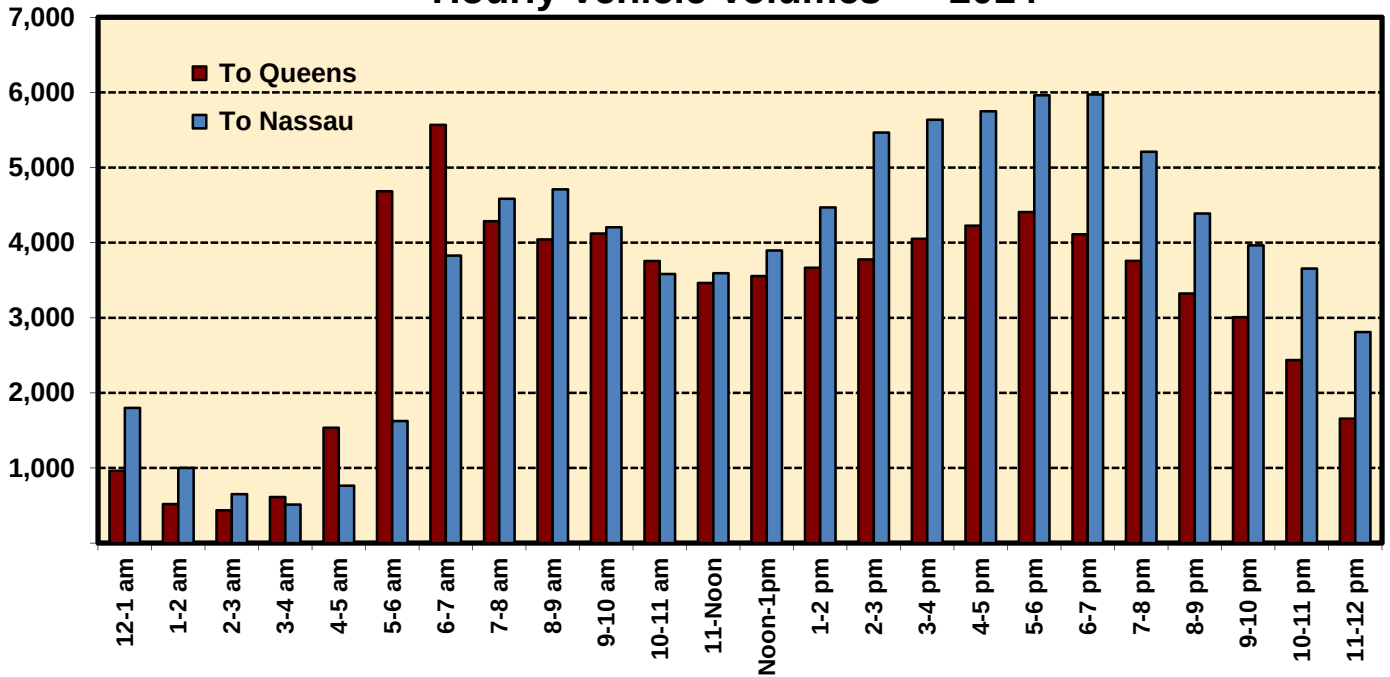


**Jamaica Avenue
Average Daily Traffic Volumes
Total of Both Directions**

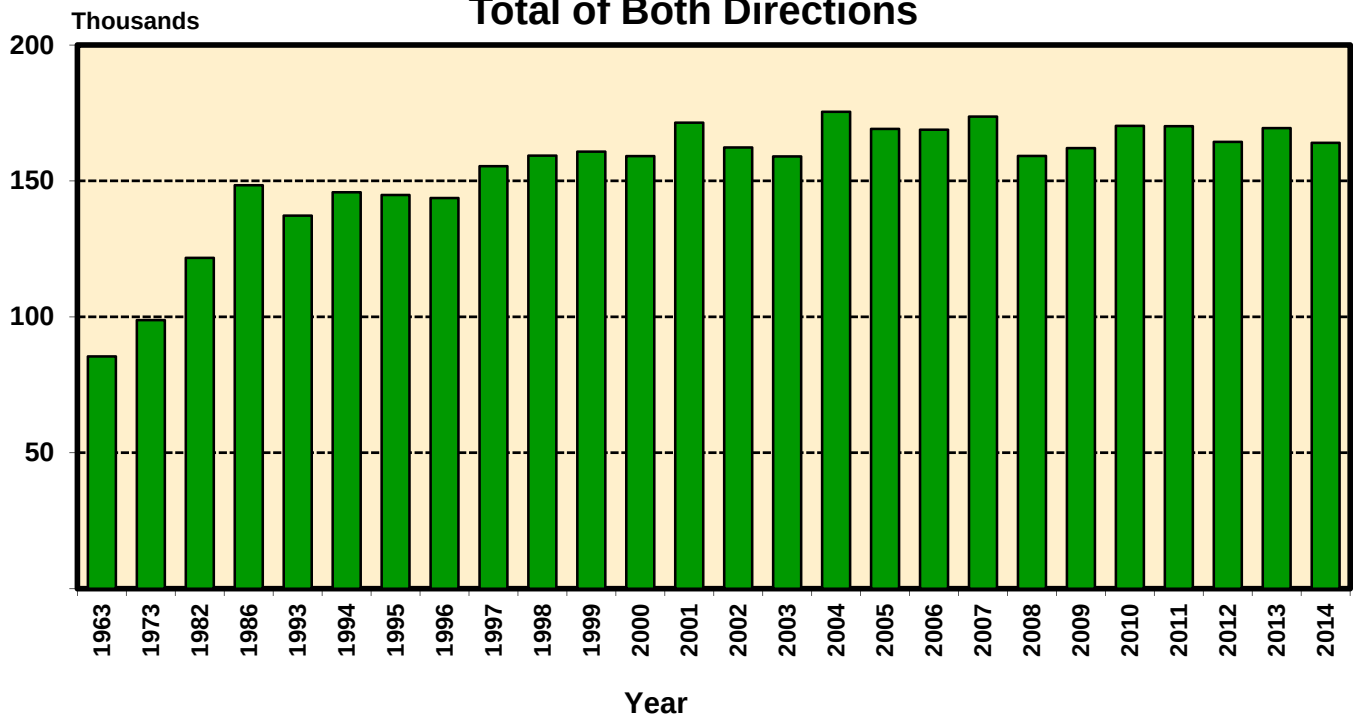


Queens – Nassau Screenline Volumes

**Laurelton Parkway
Hourly Vehicle Volumes ~ 2014**

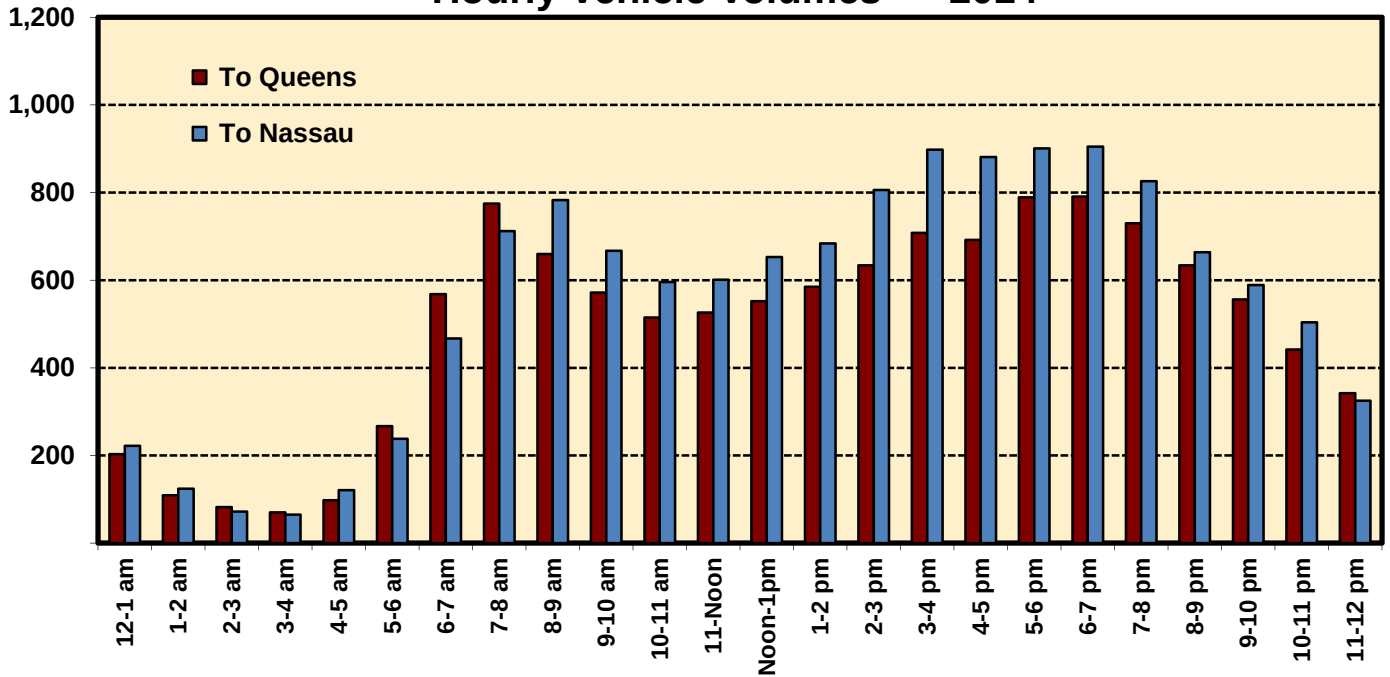


**Laurelton Parkway
Average Daily Traffic Volumes
Total of Both Directions**

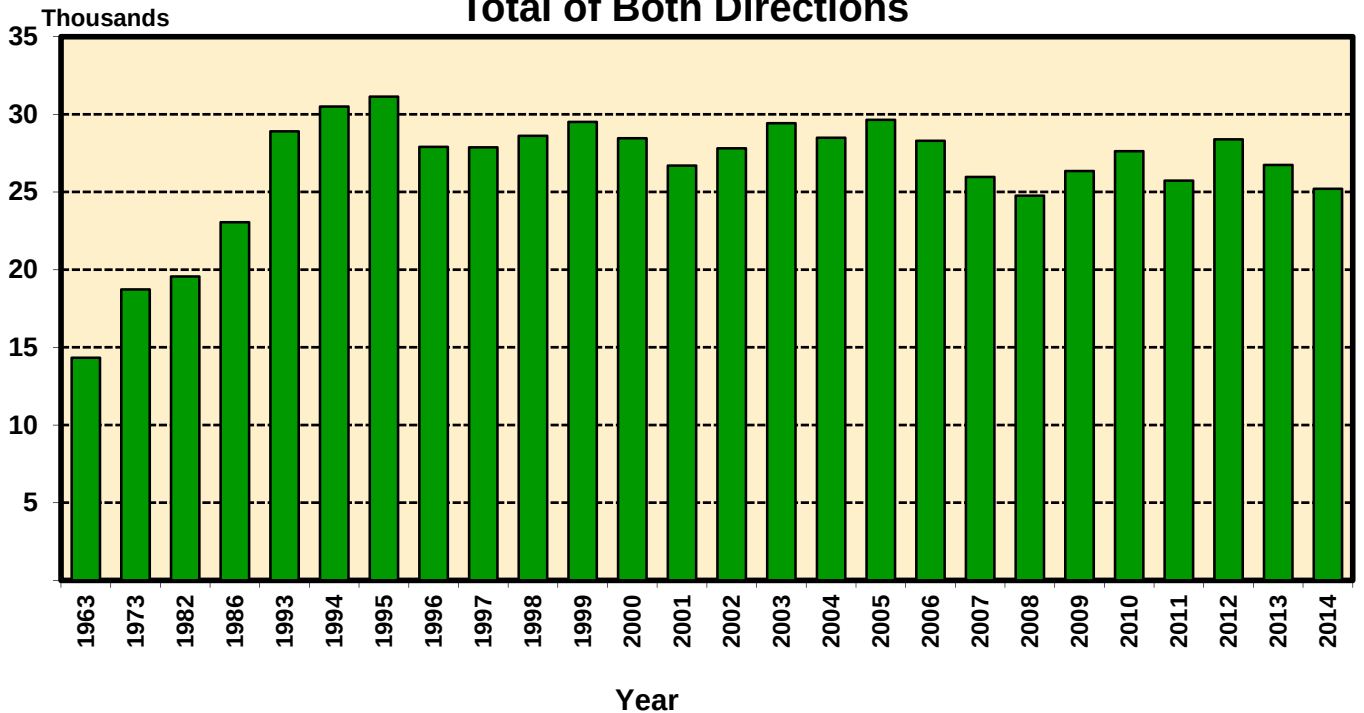


Queens – Nassau Screenline Volumes

**Linden Boulevard
Hourly Vehicle Volumes ~ 2014**

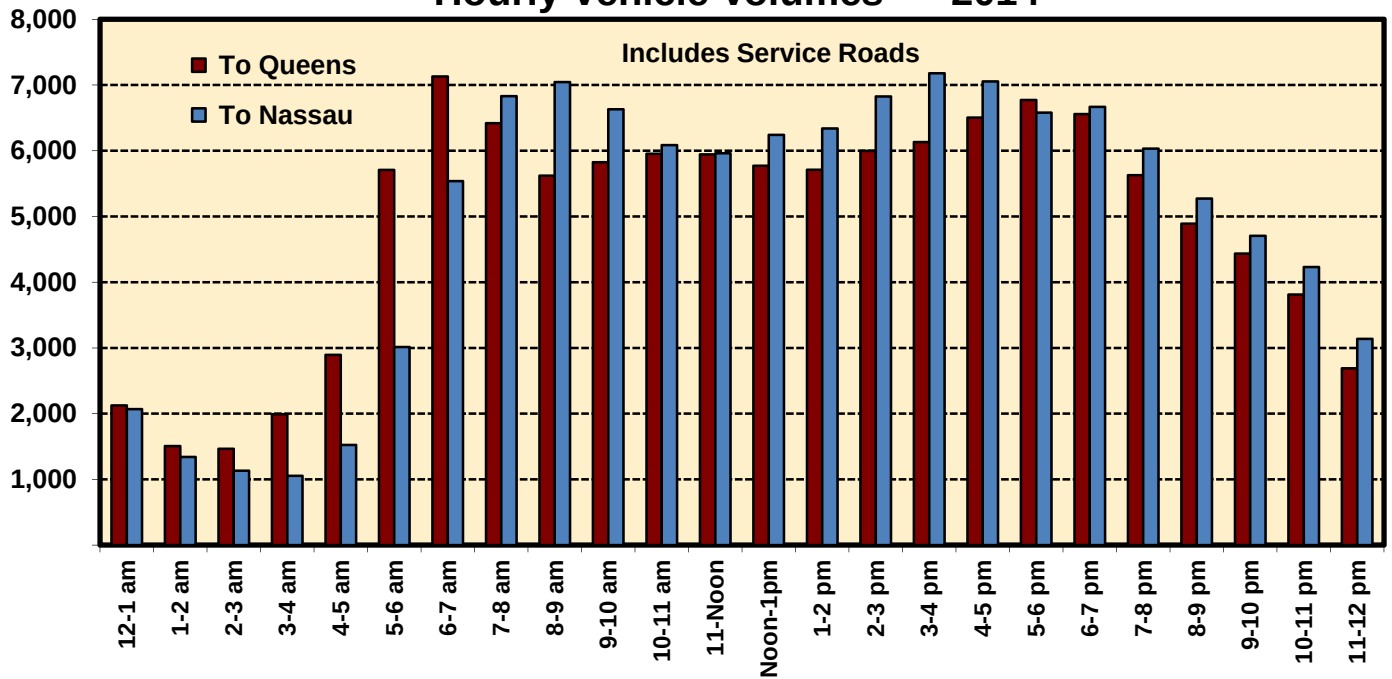


**Linden Boulevard
Average Daily Traffic Volumes
Total of Both Directions**

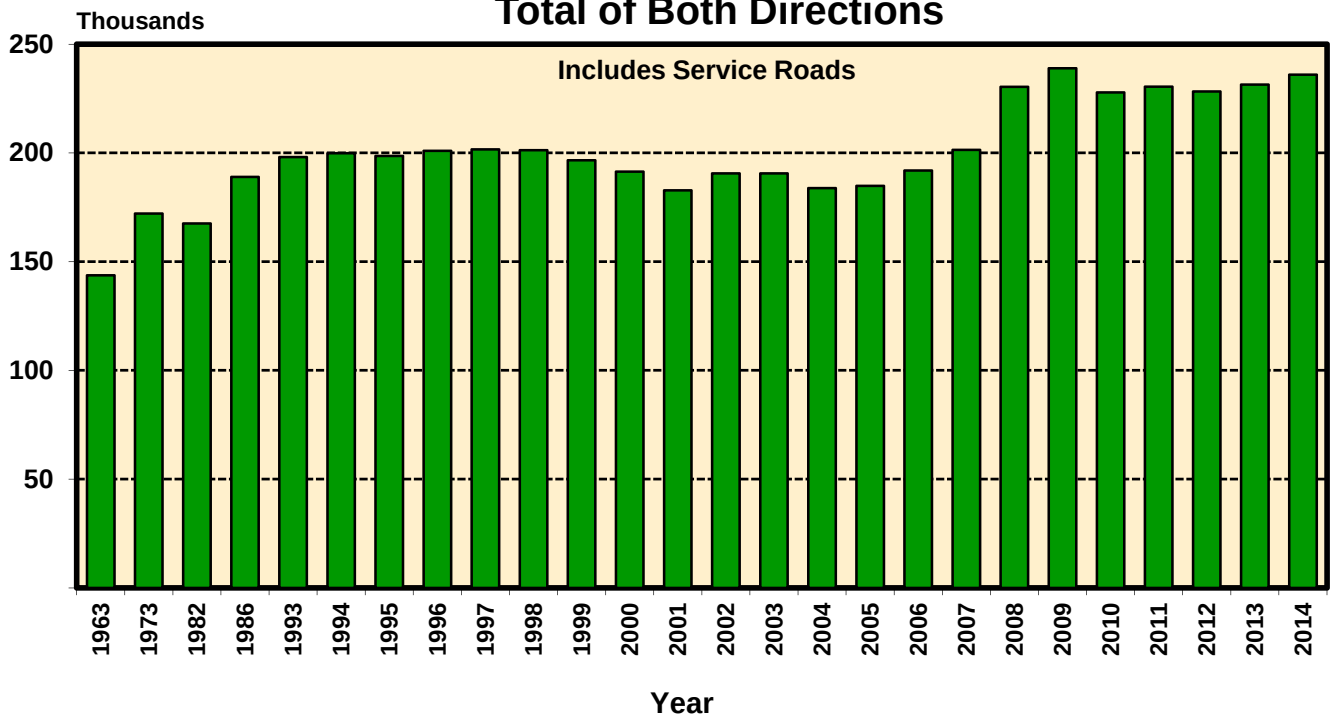


Queens – Nassau Screenline Volumes

Long Island Expressway Hourly Vehicle Volumes ~ 2014

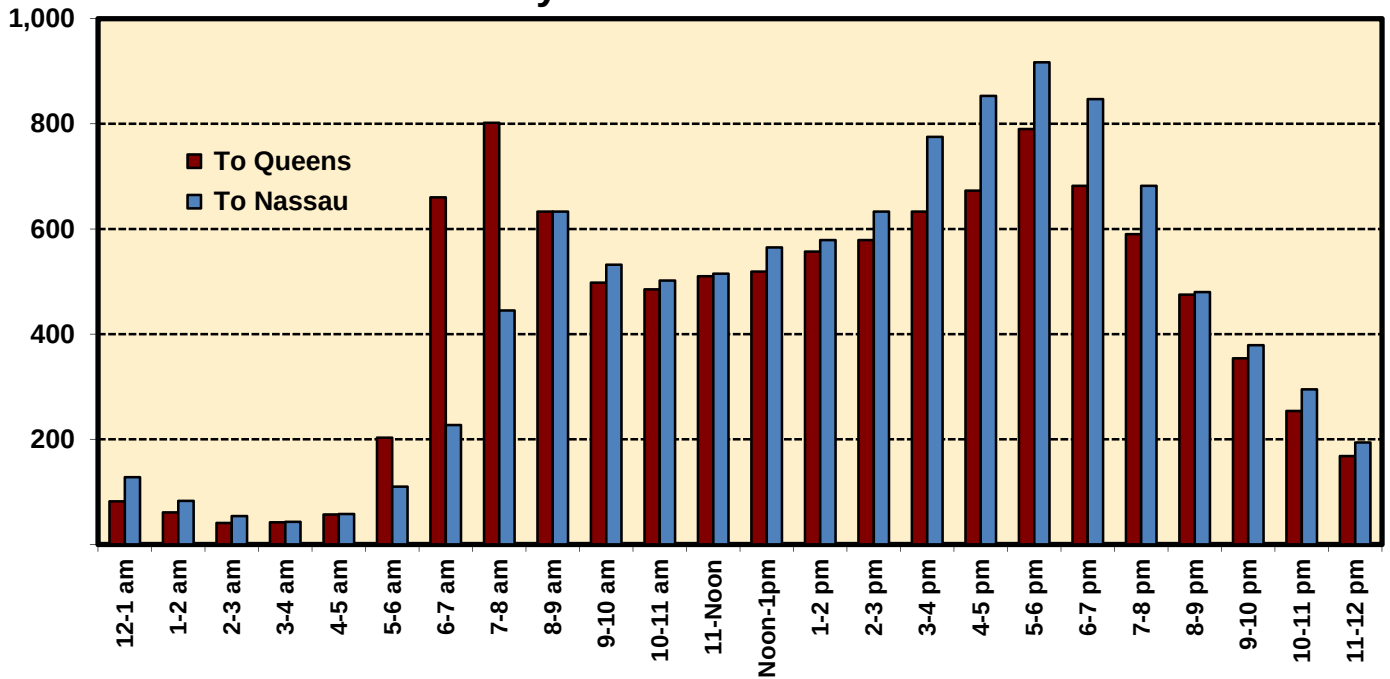


Long Island Expressway Average Daily Traffic Volumes Total of Both Directions

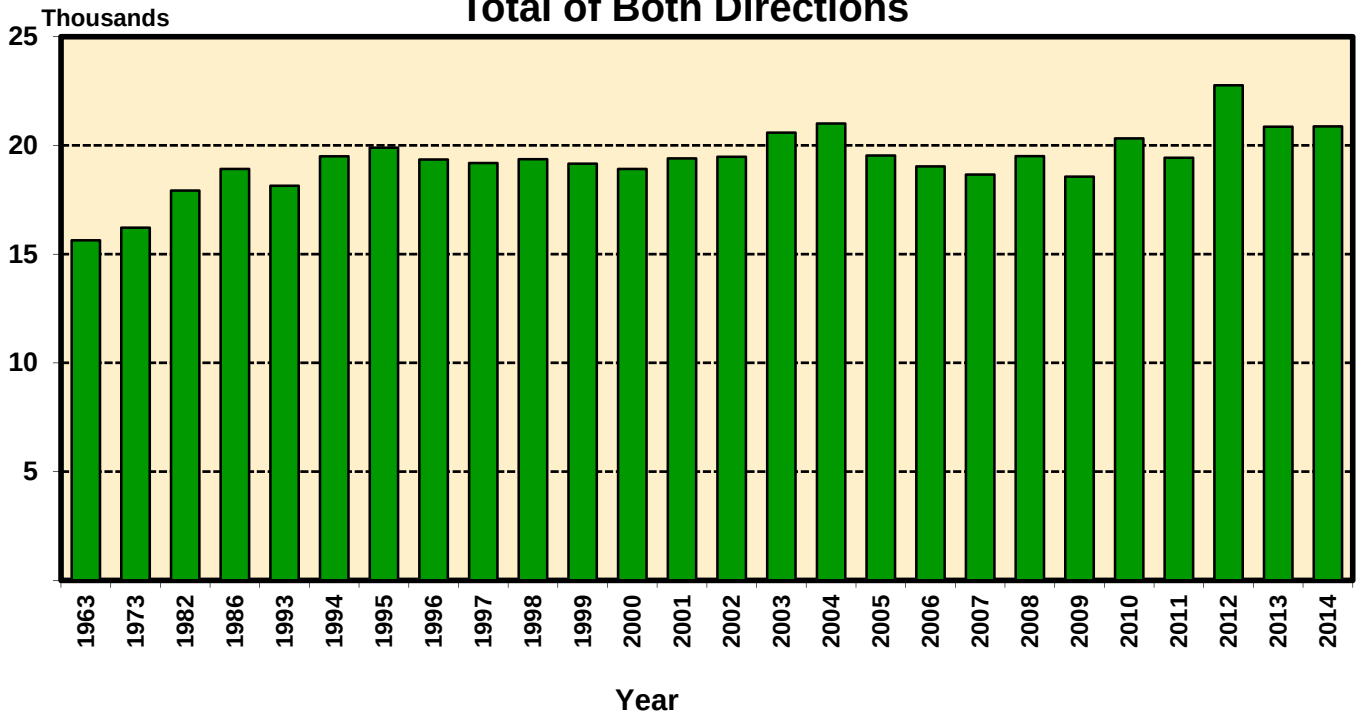


Queens – Nassau Screenline Volumes

**Merrick Boulevard
Hourly Vehicle Volumes ~ 2014**

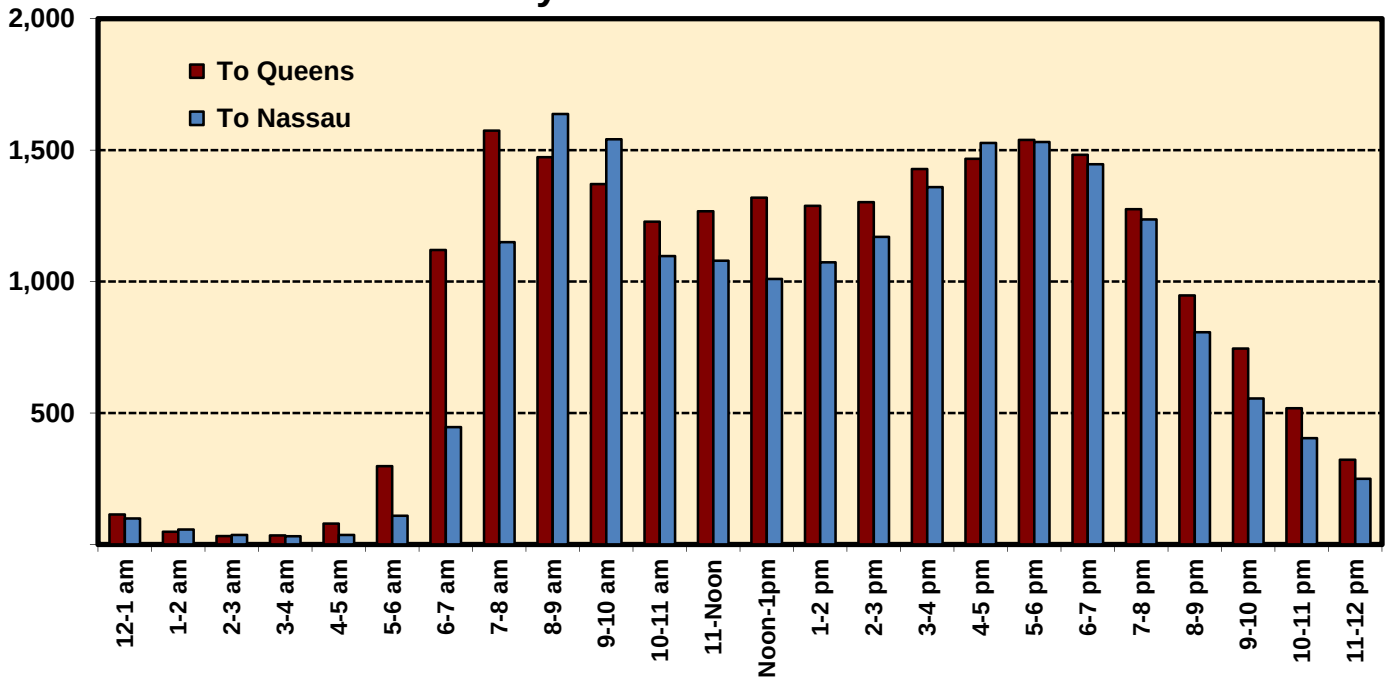


**Merrick Boulevard
Average Daily Traffic Volumes
Total of Both Directions**

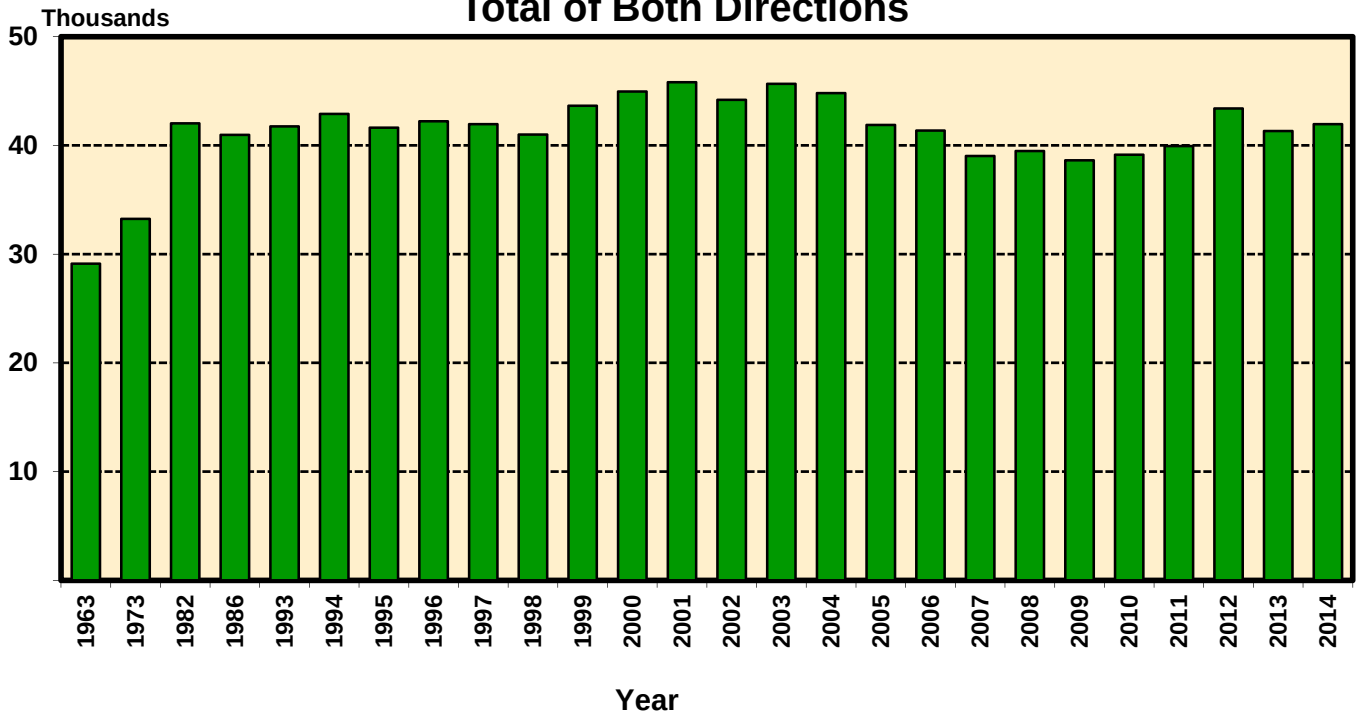


Queens – Nassau Screenline Volumes

Northern Boulevard Hourly Vehicle Volumes ~ 2014

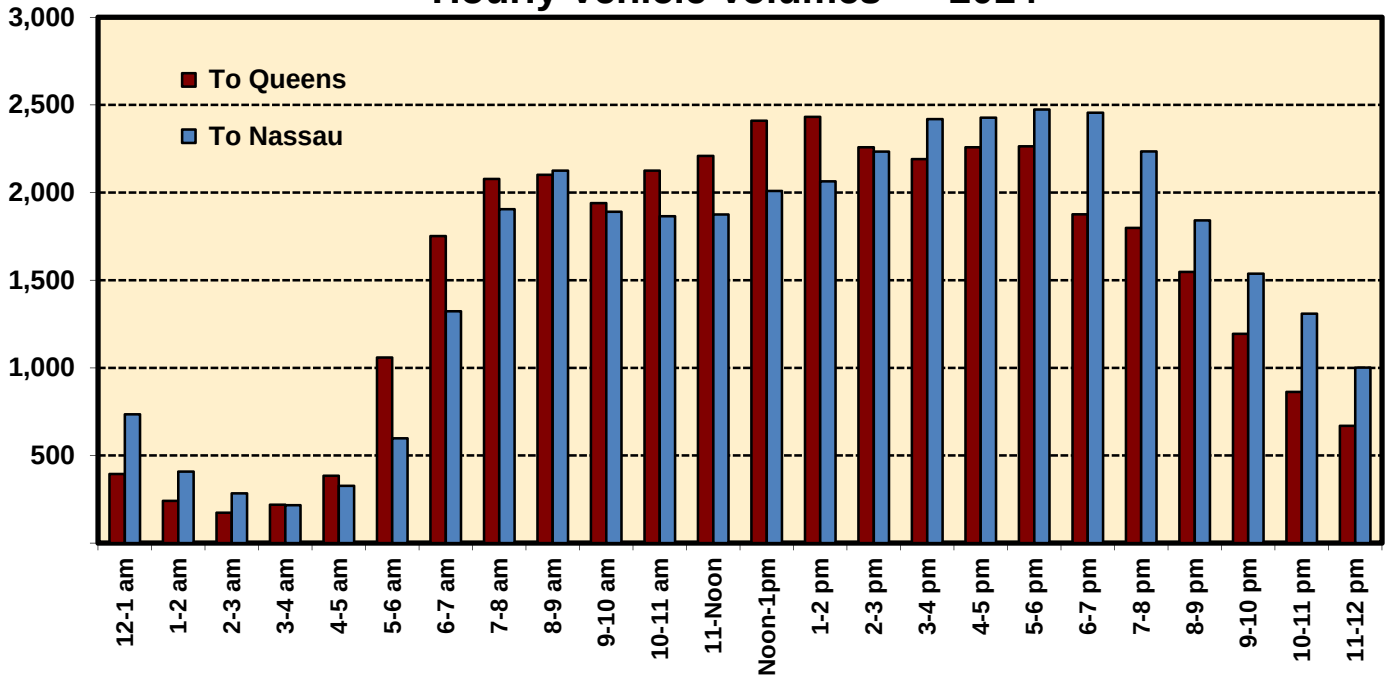


Northern Boulevard Average Daily Traffic Volumes Total of Both Directions

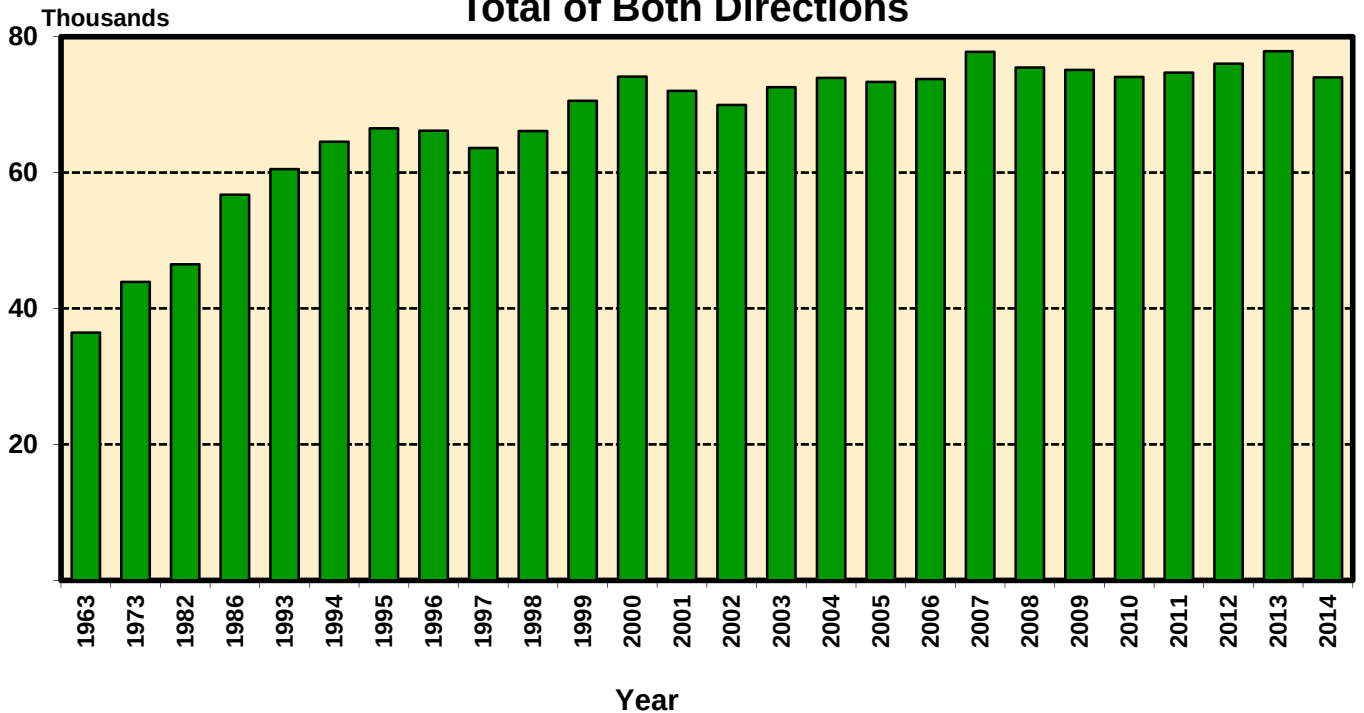


Queens – Nassau Screenline Volumes

**Rockaway Boulevard
Hourly Vehicle Volumes ~ 2014**

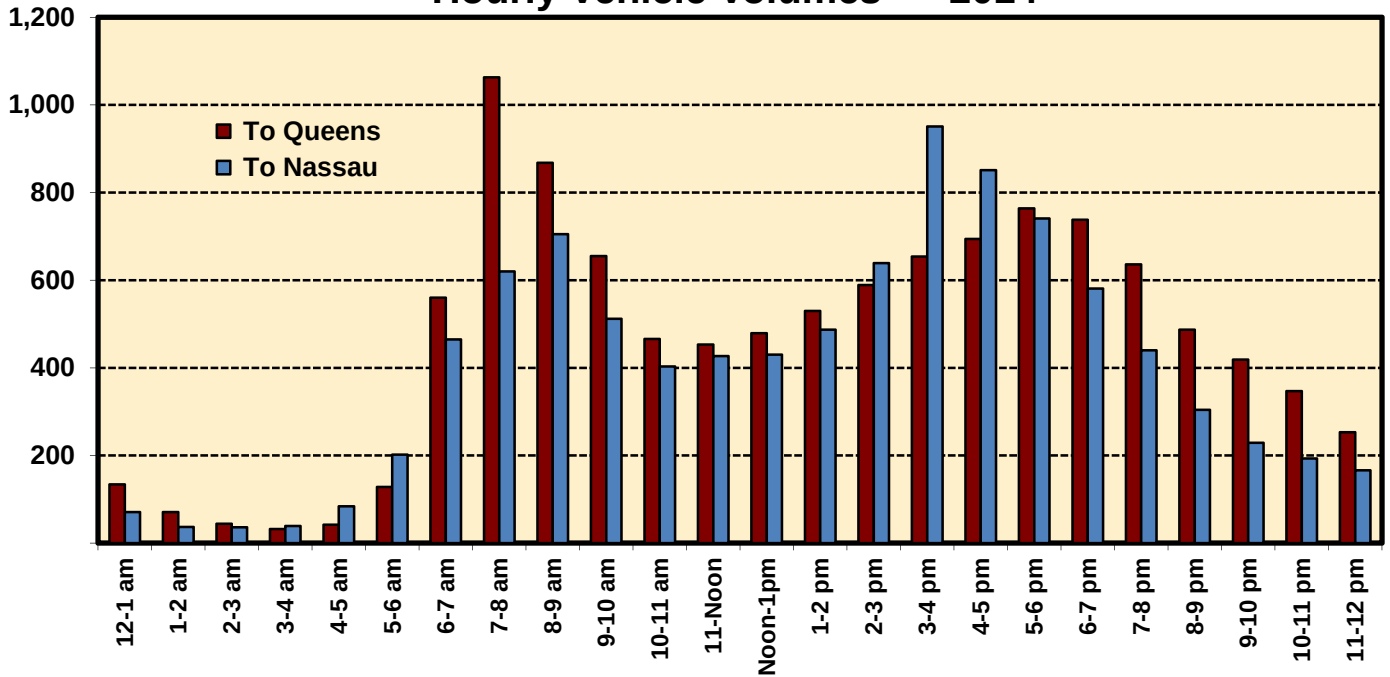


**Rockaway Boulevard
Average Daily Traffic Volumes
Total of Both Directions**

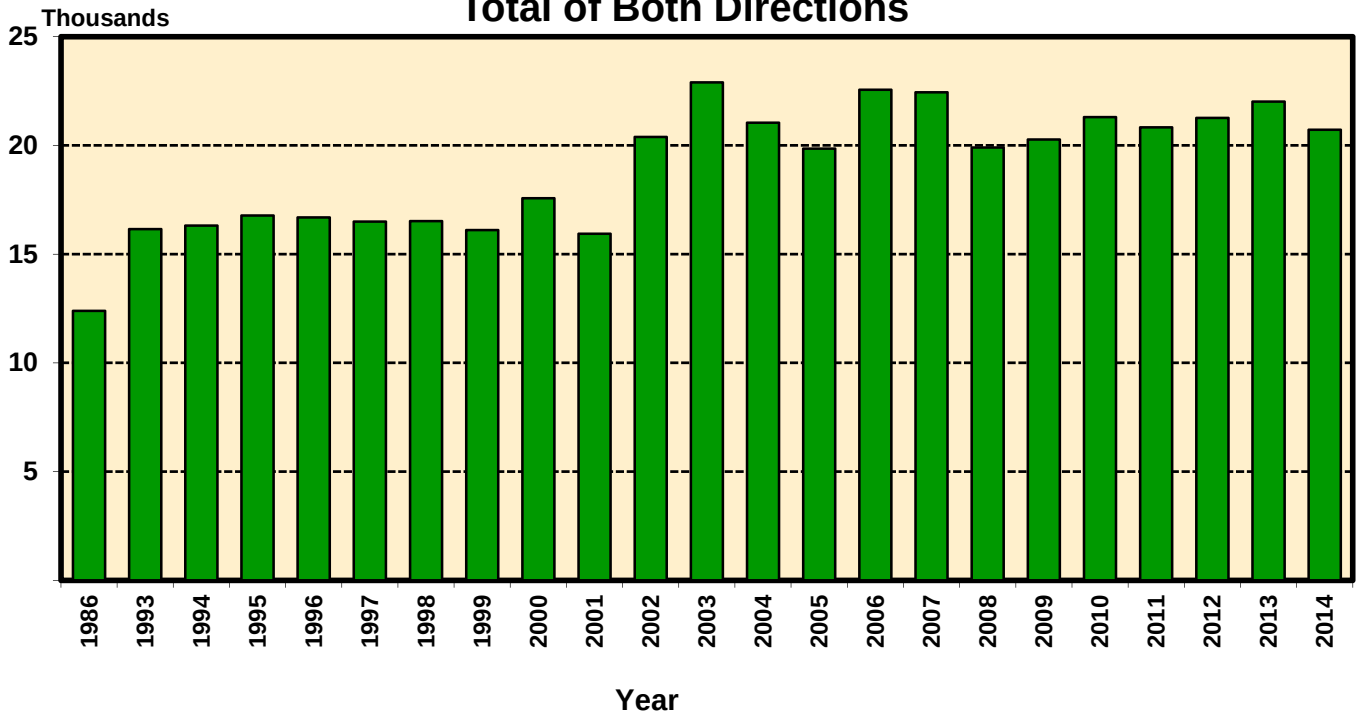


Queens – Nassau Screenline Volumes

Seagirt Boulevard Hourly Vehicle Volumes ~ 2014

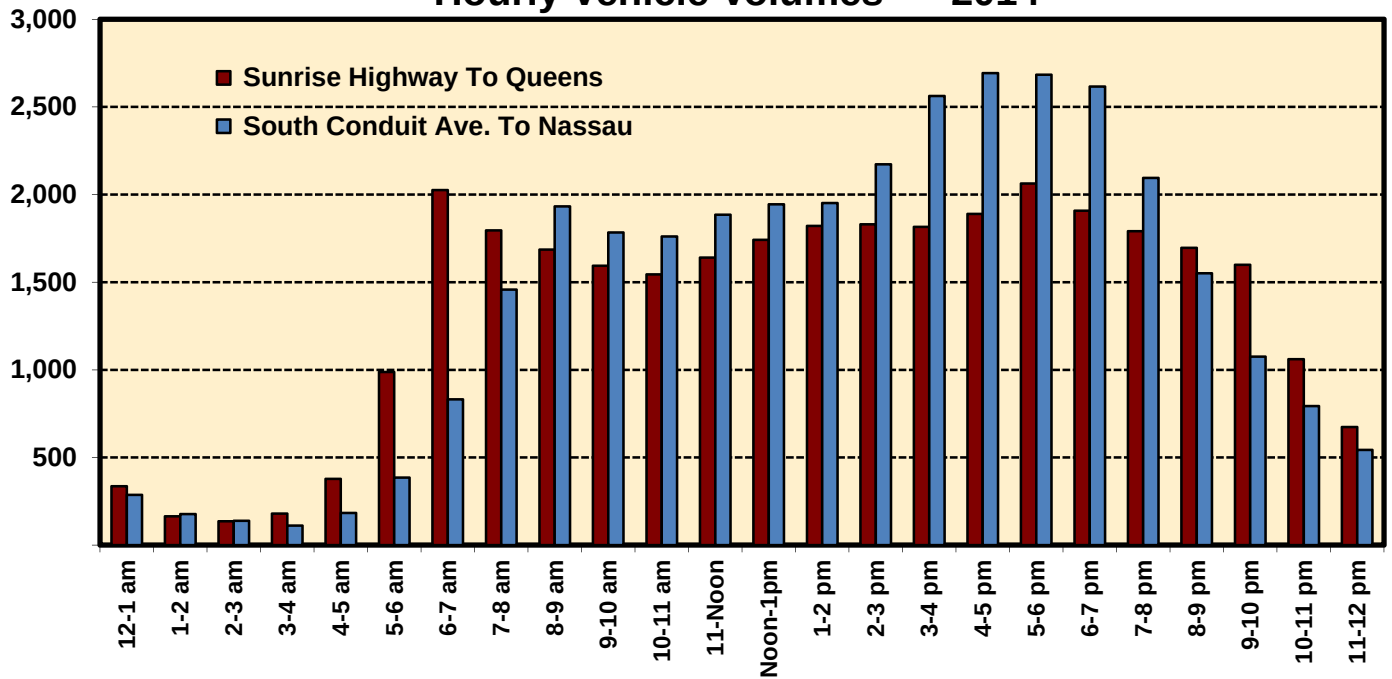


Seagirt Boulevard Average Daily Traffic Volumes Total of Both Directions

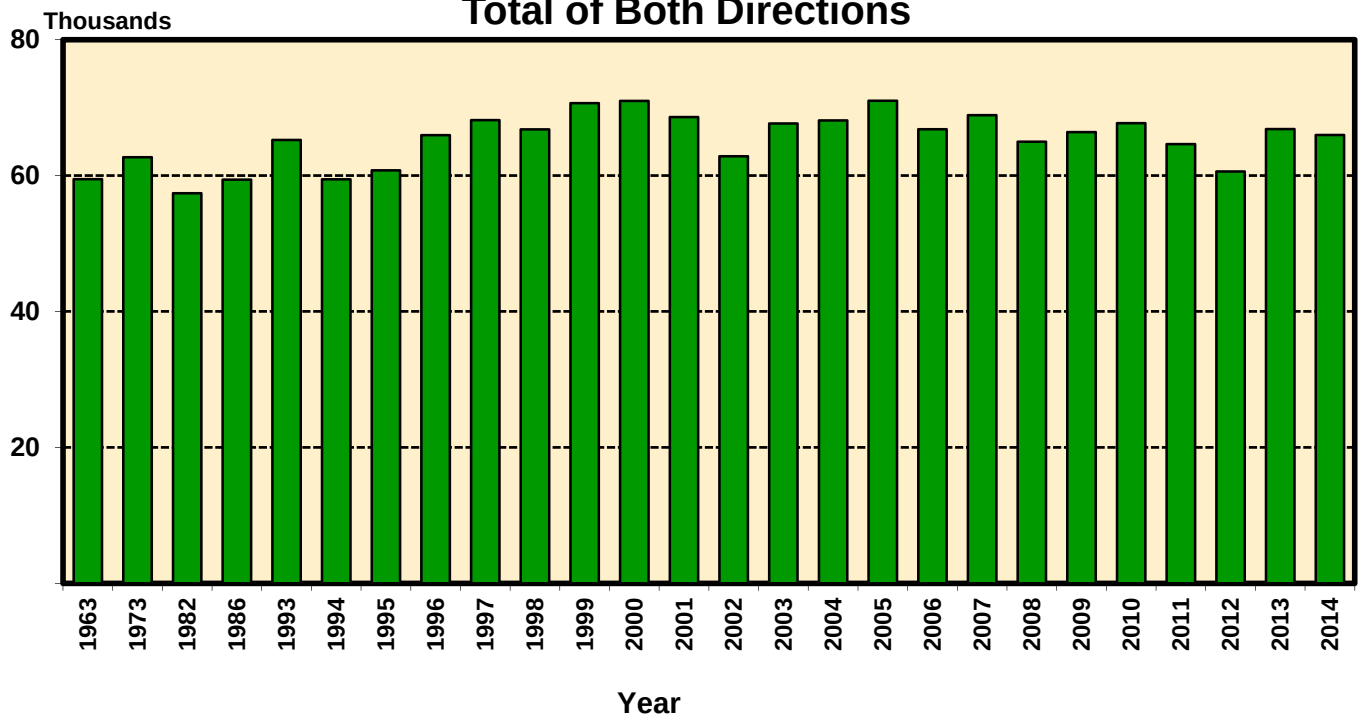


Queens – Nassau Screenline Volumes

Sunrise Highway/South Conduit Ave Hourly Vehicle Volumes ~ 2014

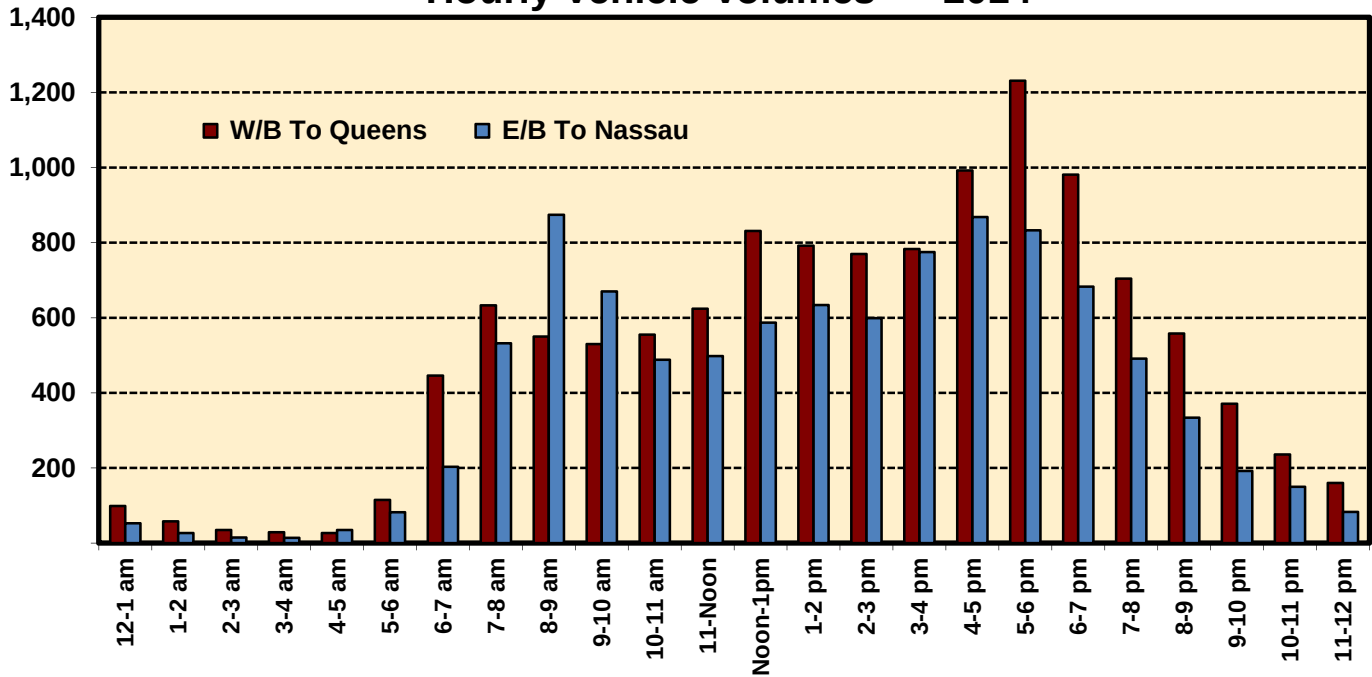


Sunrise Highway/South Conduit Ave. Average Daily Traffic Volumes Total of Both Directions

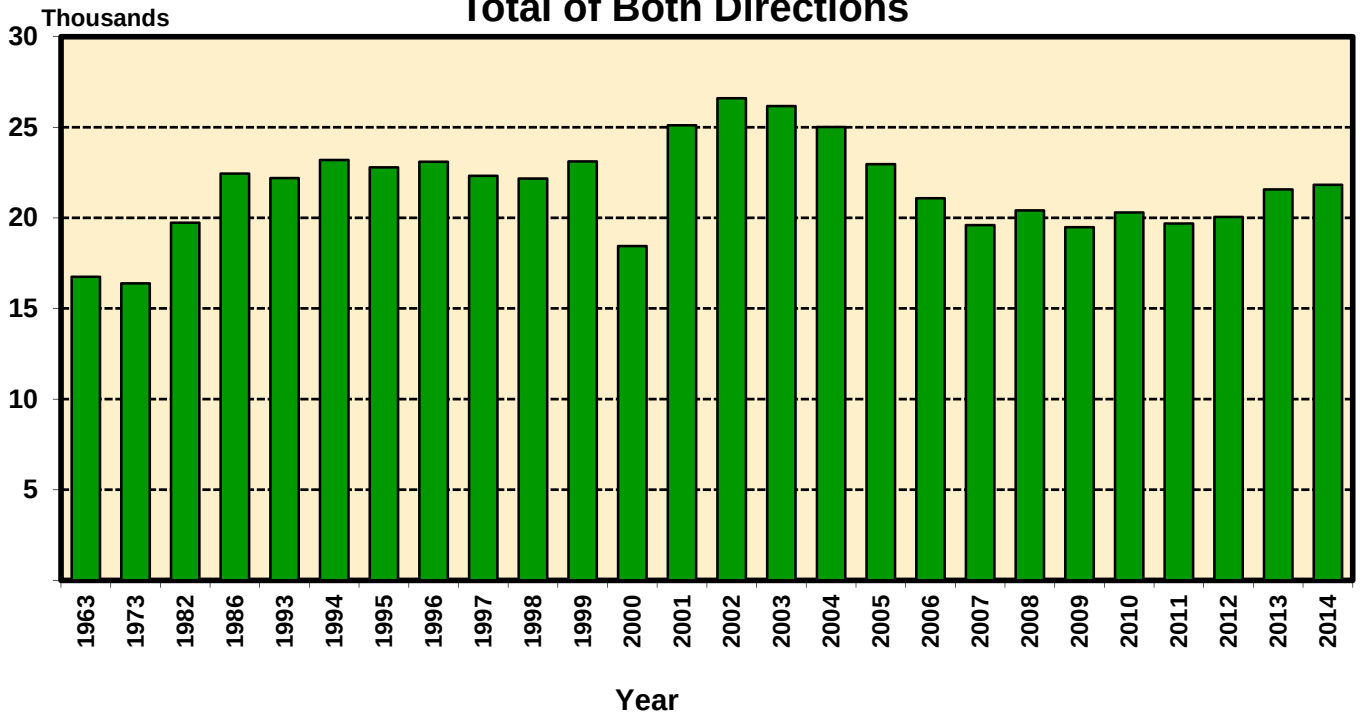


Queens – Nassau Screenline Volumes

**Union Turnpike
Hourly Vehicle Volumes ~ 2014**



**Union Turnpike
Average Daily Traffic Volumes
Total of Both Directions**



New York – New Jersey Screenline



George Washington 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 – 1994 Manhattan – New Jersey

From 1986 to 1994, Manhattan - New Jersey traffic decreased 2.5%, to 473,799 daily vehicles from 485,751.

- George Washington Bridge traffic decreased 9.3%, to 259,863 daily vehicles in 1994 from 286,398 in 1986.
- Lincoln Tunnel traffic decreased 2.3%, to 119,299 daily vehicles from 122,053.
- The only increase was at the Holland Tunnel, where traffic increased 22.4%, to 94,637 daily vehicles from 77,300.

1994 – 2004 Manhattan – New Jersey

Manhattan - New Jersey traffic increased 13.2%, to 536,396 daily vehicles in 2004 from 473,799 in 1994.

- George Washington Bridge traffic increased 21.2%, to 315,066 daily vehicles in 2004 from 259,863 in 1994.
- Lincoln Tunnel traffic increased 4.9%, to 125,159 daily vehicles from 119,299.
- Holland Tunnel traffic increased 1.6%, to 96,171 daily vehicles from 94,637.

2004 – 2014 Manhattan – New Jersey

During the most recent ten-year period, Manhattan – New Jersey traffic decreased 10.9%, to 477,812 daily vehicles in 2014 from 536,396 in 2004.

- George Washington Bridge traffic decreased 10.9%, to 280,784 daily vehicles from 315,066.
- Lincoln Tunnel traffic decreased 12.3%, to 109,796 daily vehicles from 125,159.
- Holland Tunnel traffic decreased 9.3%, to 87,232 daily vehicles from 96,171.

1963 – 2014 Manhattan – New Jersey

During the 51 years from 1963 to 2014, traffic between Manhattan and New Jersey increased 79.9%, to 477,812 daily vehicles from 265,603.

- George Washington Bridge traffic climbed 120.3%, to 280,784 daily vehicles from 127,452.
- Holland Tunnel traffic increased 48.3%, to 87,232 daily vehicles from 58,814.
- Lincoln Tunnel traffic increased 38.4%, to 109,796 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 – 1994 Staten Island – New Jersey

From 1986 to 1994, Staten Island - New Jersey traffic increased by 3.9%, to 143,875 vehicles per day from 138,436.

- All growth occurred at the Outerbridge Crossing, where daily traffic increased 16.1%, to 67,199 daily vehicles in 1994 from 57,896 in 1986.
- Goethals Bridge traffic decreased 3.4%, to 62,464 daily vehicles from 64,634.
- Bayonne Bridge traffic decreased 10.7%, to 14,212 daily vehicles from 15,906.

1994 – 2004 Staten Island – New Jersey

From 1994 to 2004, Staten Island - New Jersey traffic increased 21.1%, to 174,268 daily vehicles from 143,875.

- Bayonne Bridge traffic increased 58.4%, to 22,510 daily vehicles from 14,212.
- Goethals Bridge traffic increased 14.5%, to 71,532 daily vehicles from 62,464.
- Outerbridge Crossing traffic increased 19.4%, to 80,226 daily vehicles from 67,199.

2004 – 2014 Staten Island – New Jersey

During the past ten years, Staten Island - New Jersey traffic decreased 10.7%, to 155,618 daily vehicles from 174,268.

- Bayonne Bridge traffic decreased 32.6%, to 15,166 daily vehicles from 22,510.
- Goethals Bridge traffic decreased 1.6%, to 70,419 daily vehicles from 71,532.
- Outerbridge Crossing traffic decreased 12.7%, to 70,033 daily vehicles from 80,226.

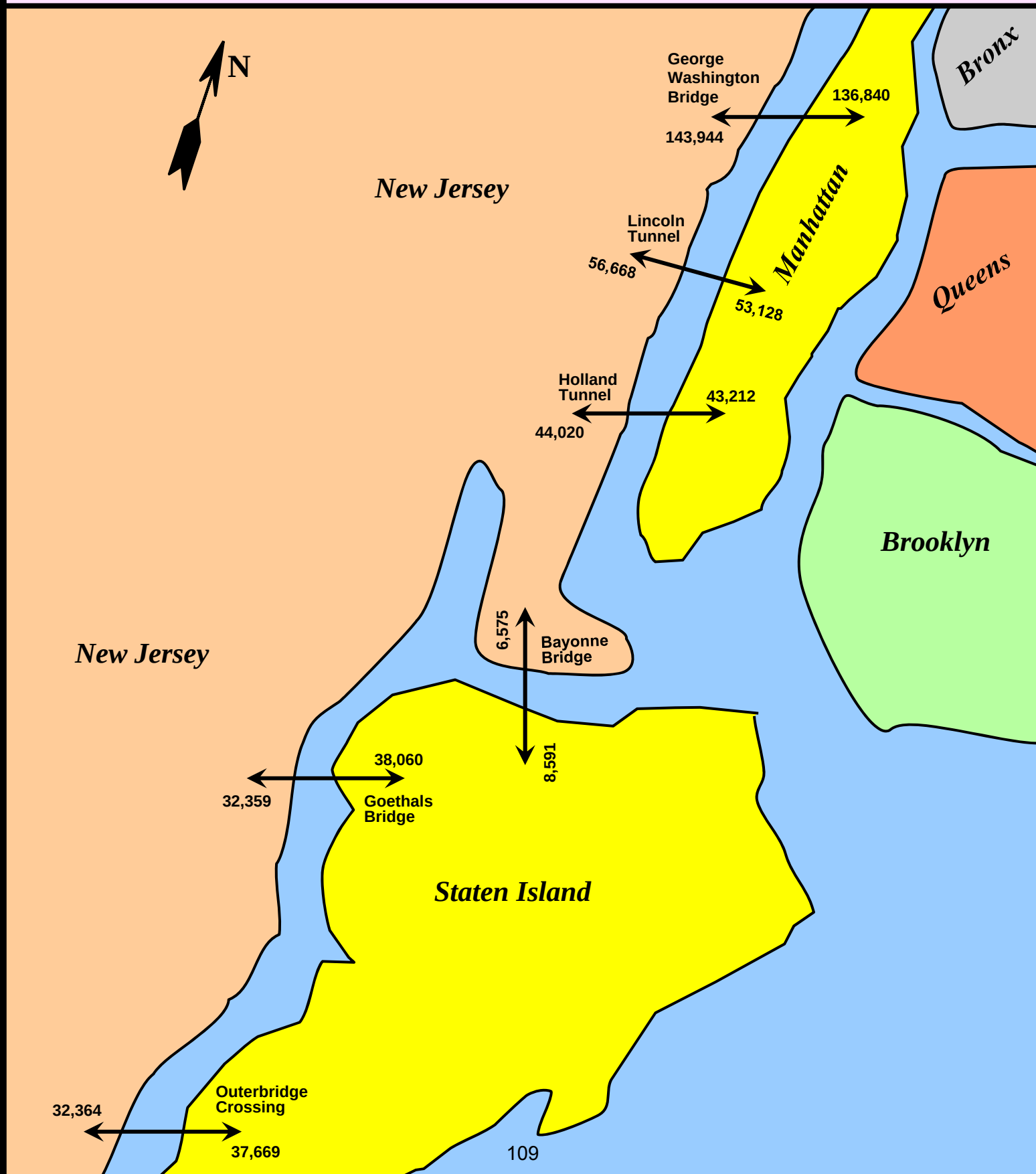
1963 – 2014 Staten Island – New Jersey

During the 51 years from 1963 to 2014, daily traffic between Staten Island and New Jersey soared 468%, to 155,618 daily vehicles from just 27,398.

- Outerbridge Crossing traffic skyrocketed more than eight fold, to 62,919 vehicles per day in 2014 from 7,114 in 1963.
- Goethals Bridge traffic jumped 464%, to 70,419 daily vehicles from 12,478.
- Bayonne Bridge traffic increased 94%, to 15,166 daily vehicles from 7,806.

New York – New Jersey Screenline

2014 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
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
Holland Tunnel	46,806	46,968	48,161	48,226	46,061	46,696	47,827	45,519	46,524	45,416	43,212
Lincoln Tunnel	62,826	61,460	61,812	61,619	56,812	57,507	57,542	54,850	53,731	52,468	53,128
Manhattan Totals	262,050	256,289	261,612	258,412	247,975	249,308	247,690	236,301	238,204	234,628	233,180
Bayonne Bridge	12,275	11,933	13,290	12,469	11,094	10,985	11,248	10,460	10,672	10,503	8,591
Goethals Bridge	37,559	36,905	34,327	38,687	37,979	38,397	39,470	38,676	37,670	38,171	38,060
Outerbridge Crossing	41,018	41,090	43,723	41,282	39,319	40,079	39,724	38,917	38,662	35,737	37,669
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
Grand Totals	352,902	346,217	352,952	350,850	336,367	338,769	338,132	324,354	325,208	319,039	317,500

**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
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
Holland Tunnel	49,365	49,992	50,284	52,265	50,996	49,488	46,840	48,041	46,219	44,596	44,020
Lincoln Tunnel	62,333	64,995	65,433	60,473	61,341	61,475	62,290	62,803	59,435	59,694	56,668
Manhattan Totals	274,346	271,428	276,136	255,562	260,294	255,552	258,856	254,808	244,353	245,191	244,632
Bayonne Bridge*	10,235	9,822	10,940	8,982	8,964	8,437	8,733	8,205	8,083	8,038	6,575
Goethals Bridge*	33,973	31,885	31,051	34,312	34,855	32,833	34,016	36,904	35,465	34,815	32,359
Outerbridge Crossing*	39,208	40,018	42,583	34,496	33,565	34,773	34,941	36,374	33,154	31,003	32,364
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
Grand Totals	357,762	353,153	360,710	333,352	337,678	331,595	336,546	336,291	321,055	319,047	315,930

* 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

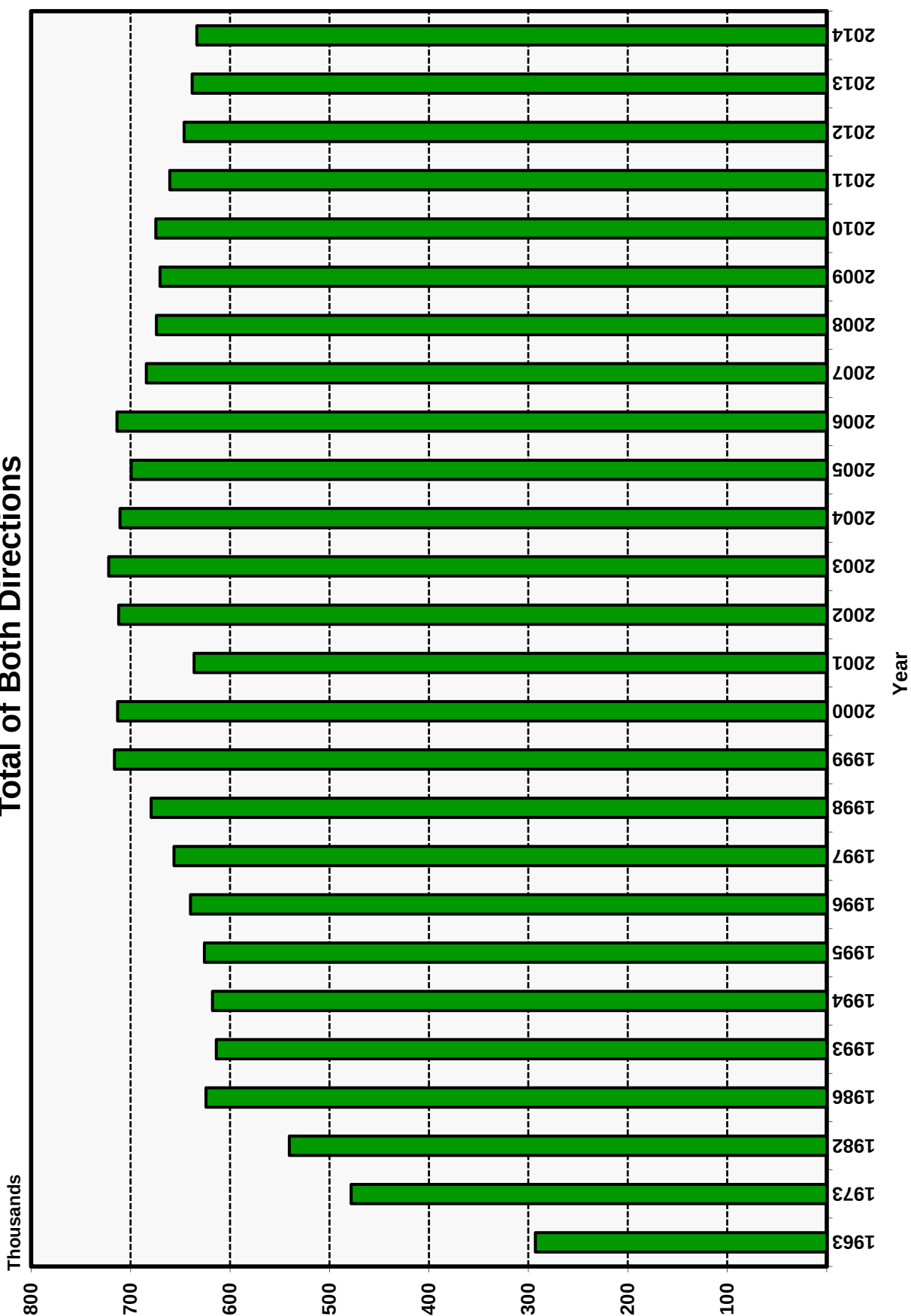
Both Directions

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
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
Holland Tunnel	96,171	96,960	98,425	100,491	97,057	96,184	94,667	93,560	92,743	90,012	87,232
Lincoln Tunnel	125,159	126,455	127,245	122,092	118,153	118,982	119,832	117,653	113,166	112,162	109,796
Manhattan Totals	536,396	527,717	537,748	513,974	508,269	504,860	506,546	491,109	482,557	479,819	477,812
Bayonne Bridge*	22,510	21,755	24,230	21,451	20,058	19,422	19,981	18,665	18,755	18,541	15,166
Goethals Bridge*	71,532	68,790	65,378	72,999	72,834	71,230	73,486	75,580	73,135	72,986	70,419
Outerbridge Crossing*	80,226	81,108	86,306	75,778	72,884	74,852	74,665	75,291	71,816	66,740	70,033
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
Grand Totals	710,664	699,370	713,662	684,202	674,045	670,364	674,678	660,645	646,263	638,086	633,430

* 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



2014 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	1,501	2,500	708	993	793	1,398	3,002	4,891
1-2am	1,059	1,294	442	629	528	720	2,029	2,643
2-3am	943	972	347	447	442	468	1,732	1,887
3-4am	1,160	1,192	380	477	495	427	2,035	2,096
4-5am	2,108	1,472	638	755	920	469	3,666	2,696
5-6am	6,080	2,820	2,066	1,439	3,021	754	11,167	5,013
6-7am	11,133	5,002	2,973	2,349	4,983	1,394	19,089	8,745
7-8am	9,805	6,650	2,820	2,635	4,499	1,921	17,124	11,206
8-9am	8,444	7,611	2,712	2,389	4,216	1,898	15,372	11,898
9-10am	8,331	6,600	2,551	2,007	3,872	1,979	14,754	10,586
10-11am	7,317	6,121	2,202	1,882	3,148	1,838	12,667	9,841
11-Noon	6,598	5,690	1,898	1,877	2,782	2,045	11,278	9,612
Noon-1	6,312	6,149	1,811	2,005	2,474	2,388	10,597	10,542
1-2pm	6,243	7,015	1,821	2,248	2,418	2,773	10,482	12,036
2-3pm	6,684	8,602	1,960	2,473	2,539	3,520	11,183	14,595
3-4pm	7,349	10,111	2,288	2,463	2,408	4,238	12,045	16,812
4-5pm	7,798	9,745	2,500	2,204	2,041	4,653	12,339	16,602
5-6pm	8,163	11,787	2,632	2,188	1,298	4,963	12,093	18,938
6-7pm	8,002	11,349	2,537	2,206	1,873	4,884	12,412	18,439
7-8pm	6,424	10,058	2,091	2,493	1,895	3,941	10,410	16,492
8-9pm	5,075	7,520	1,693	2,162	1,892	3,102	8,660	12,784
9-10pm	4,221	5,721	1,584	2,169	1,717	2,756	7,522	10,646
10-11pm	3,532	4,528	1,416	1,891	1,590	2,749	6,538	9,168
11-Mid	2,558	3,435	1,142	1,639	1,284	1,390	4,984	6,464
24 hr Total	136,840	143,944	43,212	44,020	53,128	56,668	233,180	244,632
6-10am	37,713	25,863	11,056	9,380	17,570	7,192	66,339	42,435
10am-1pm	20,227	17,960	5,911	5,764	8,404	6,271	34,542	29,995
1-3pm	12,927	15,617	3,781	4,721	4,957	6,293	21,665	26,631
3-7pm	31,312	42,992	9,957	9,061	7,620	18,738	48,889	70,791
6am-7pm	102,179	102,432	30,705	28,926	38,551	38,494	171,435	169,852

* To Manhattan

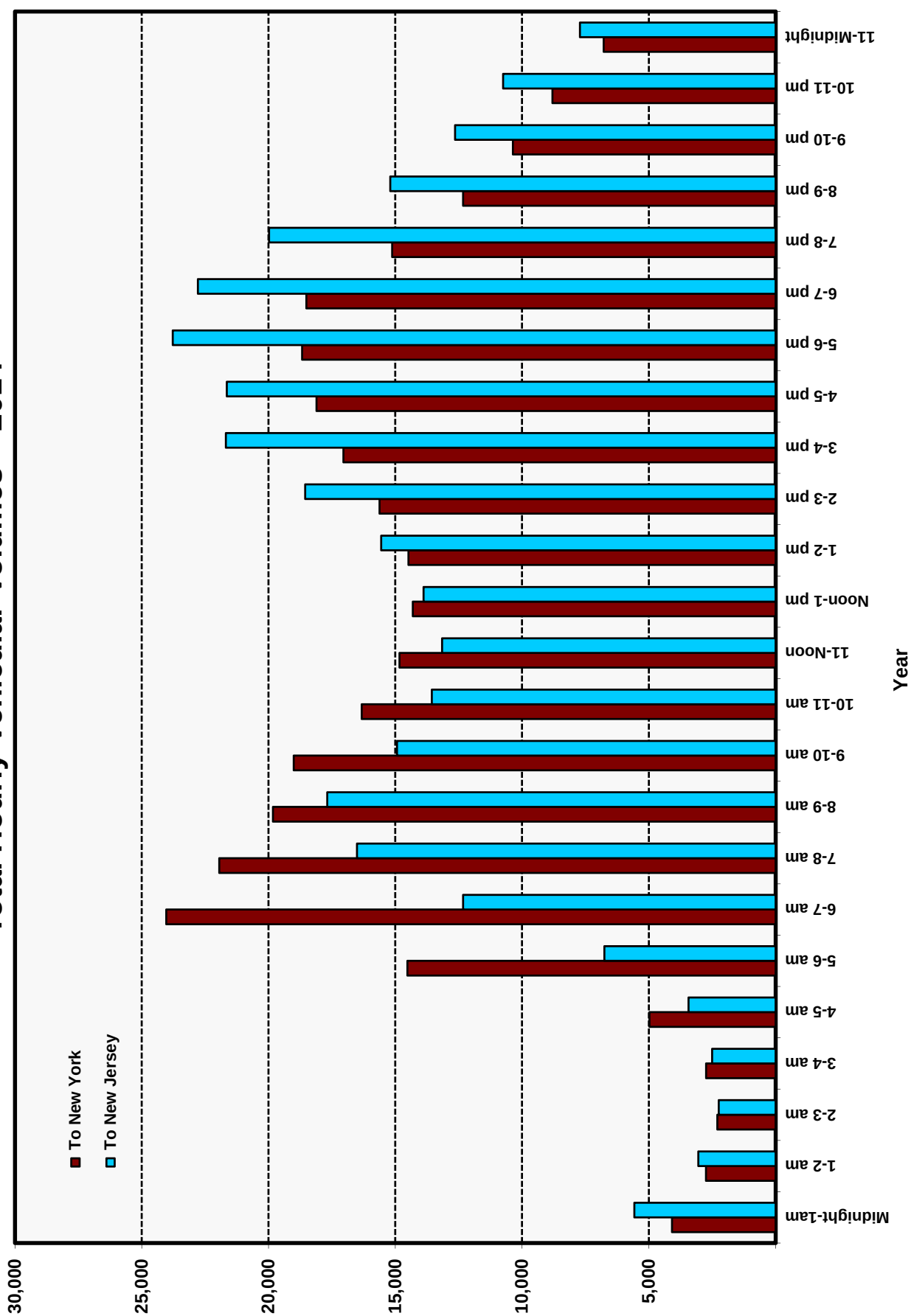
2014 Screenline Volumes New York - New Jersey (cont'd)

	Bayonne Bridge		Goethals Bridge		Outerbridge Crossing		Staten Island Totals		Grand Totals	
	* S/B	N/B	* E/B	W/B	* E/B	W/B	To Staten Is.	To N.J.	To N.Y.	To N.J.
Mid-1am	13	46	648	334	423	303	1,084	683	4,086	5,574
1-2am	8	27	431	216	278	165	717	408	2,746	3,051
2-3am	6	21	326	185	236	149	568	355	2,300	2,242
3-4am	8	36	383	242	316	133	707	411	2,742	2,507
4-5am	44	86	566	406	699	250	1,309	742	4,975	3,438
5-6am	182	224	1,348	969	1,829	551	3,359	1,744	14,526	6,757
6-7am	385	496	1,865	1,852	2,697	1,236	4,947	3,584	24,036	12,329
7-8am	468	751	1,750	2,426	2,601	2,127	4,819	5,304	21,943	16,510
8-9am	444	831	1,802	2,600	2,207	2,356	4,453	5,787	19,825	17,685
9-10am	378	399	1,862	2,145	2,012	1,803	4,252	4,347	19,006	14,933
10-11am	346	328	1,626	1,765	1,686	1,626	3,658	3,719	16,325	13,560
11-Noon	352	289	1,606	1,726	1,601	1,529	3,559	3,544	14,837	13,156
Noon-1	360	277	1,670	1,563	1,681	1,506	3,711	3,346	14,308	13,888
1-2pm	405	327	1,836	1,599	1,758	1,595	3,999	3,521	14,481	15,557
2-3pm	505	312	2,033	1,789	1,900	1,860	4,438	3,961	15,621	18,556
3-4pm	701	319	2,280	2,139	2,021	2,412	5,002	4,870	17,047	21,682
4-5pm	837	317	2,635	2,211	2,297	2,516	5,769	5,044	18,108	21,646
5-6pm	1,084	347	2,917	2,100	2,583	2,392	6,584	4,839	18,677	23,777
6-7pm	945	302	2,773	1,774	2,378	2,273	6,096	4,349	18,508	22,788
7-8pm	594	262	2,218	1,352	1,903	1,873	4,715	3,487	15,125	19,979
8-9pm	379	185	1,738	929	1,549	1,303	3,666	2,417	12,326	15,201
9-10pm	64	154	1,496	847	1,283	998	2,843	1,999	10,365	12,645
10-11pm	45	137	1,226	655	996	790	2,267	1,582	8,805	10,750
11-Mid	38	102	1,025	535	735	618	1,798	1,255	6,782	7,719
24 hr Total	8,591	6,575	38,060	32,359	37,669	32,364	84,320	71,298	317,500	315,930
6-10am	1,675	2,477	7,279	9,023	9,517	7,522	18,471	19,022	84,810	61,457
10am-1pm	1,058	894	4,902	5,054	4,968	4,661	10,928	10,609	45,470	40,604
1-3pm	910	639	3,869	3,388	3,658	3,455	8,437	7,482	30,102	34,113
3-7pm	3,567	1,285	10,605	8,224	9,279	9,593	23,451	19,102	72,340	89,893
6am-7pm	7,210	5,295	26,655	25,689	27,422	25,231	61,287	56,215	232,722	226,067

* To Staten Island

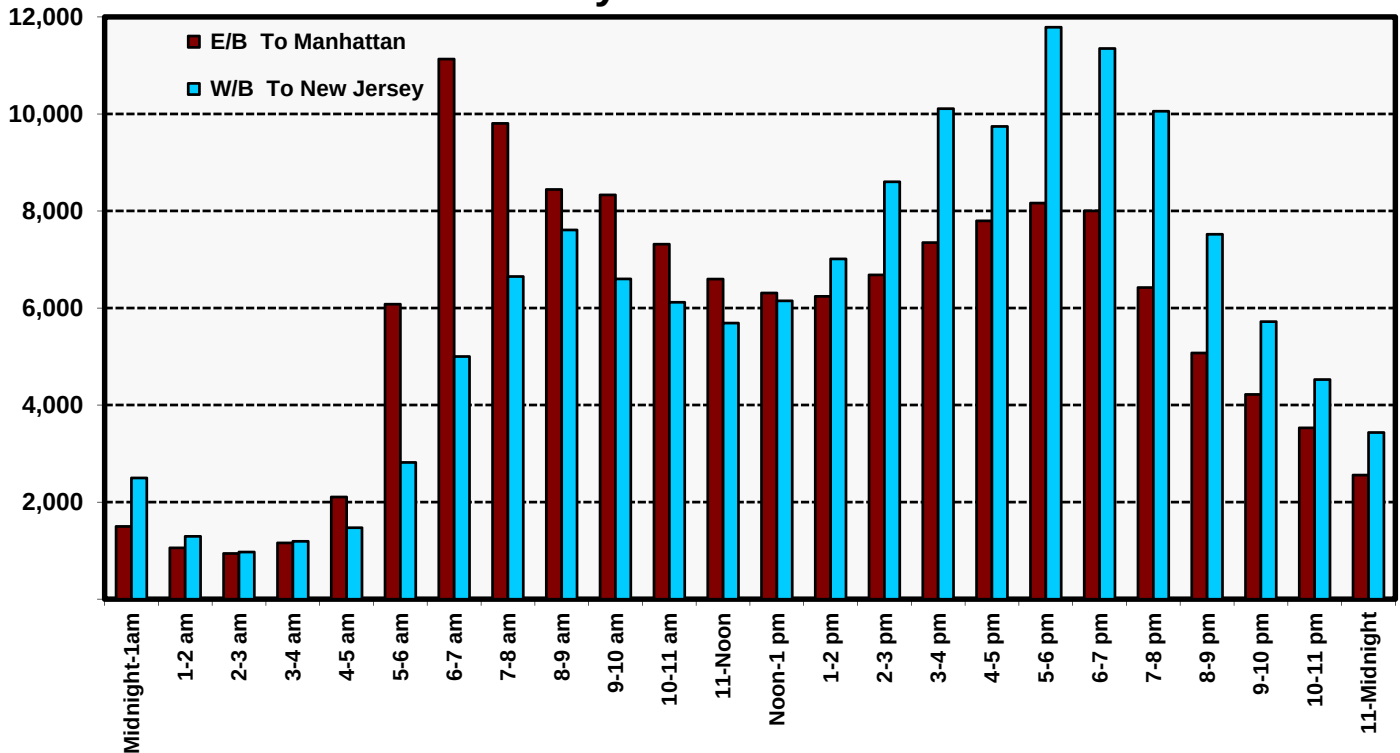
New York – New Jersey Screenline Volumes

Total Hourly Vehicular Volumes ~ 2014

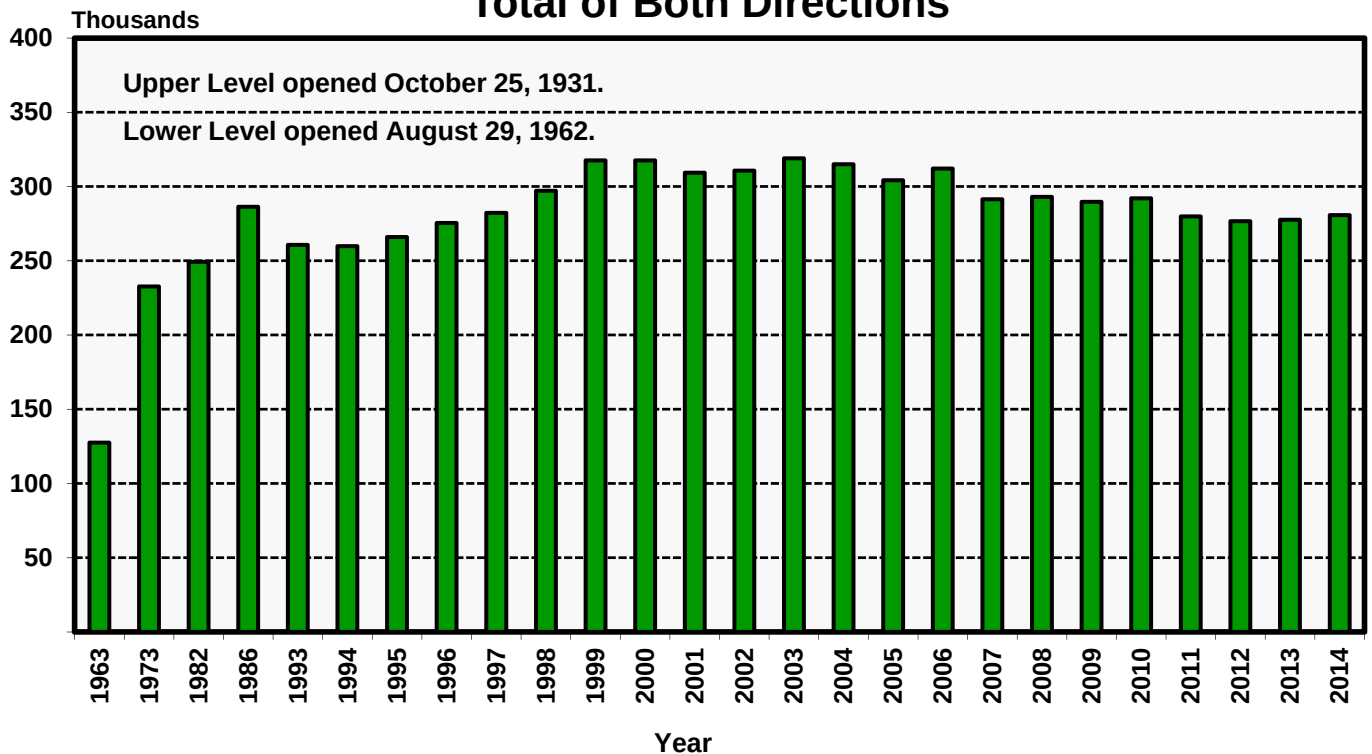


New York – New Jersey Screenline Volumes

George Washington Bridge ~ 2014 Hourly Vehicular Volumes

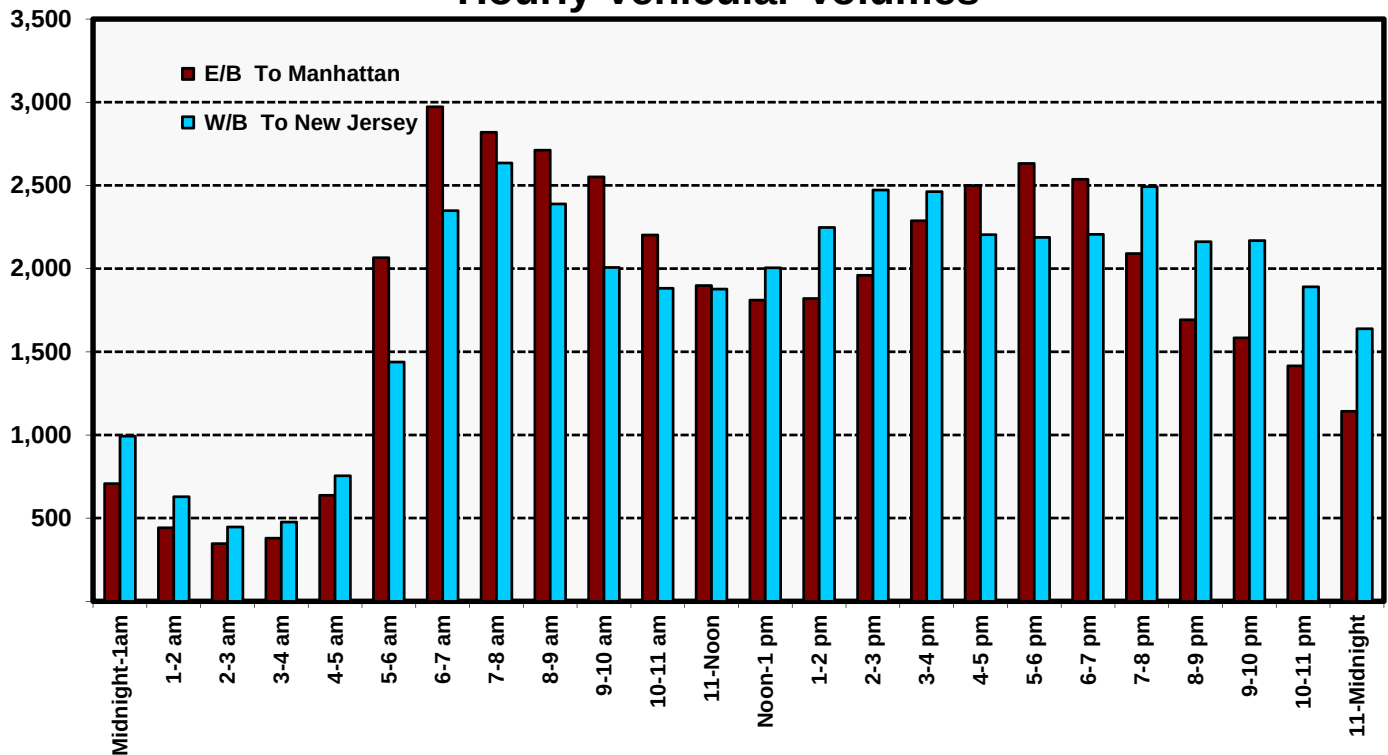


George Washington Bridge Average Daily Traffic Volumes Total of Both Directions

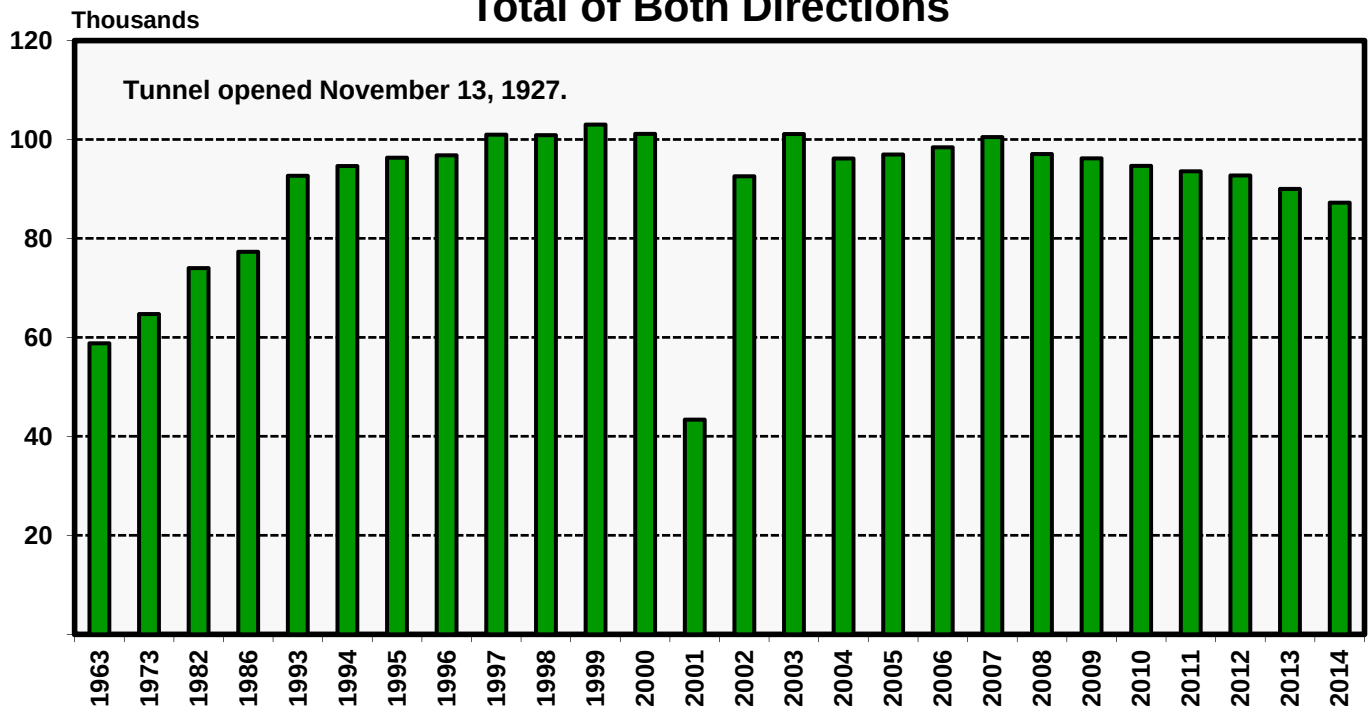


New York – New Jersey Screenline Volumes

Holland Tunnel ~ 2014 Hourly Vehicular Volumes



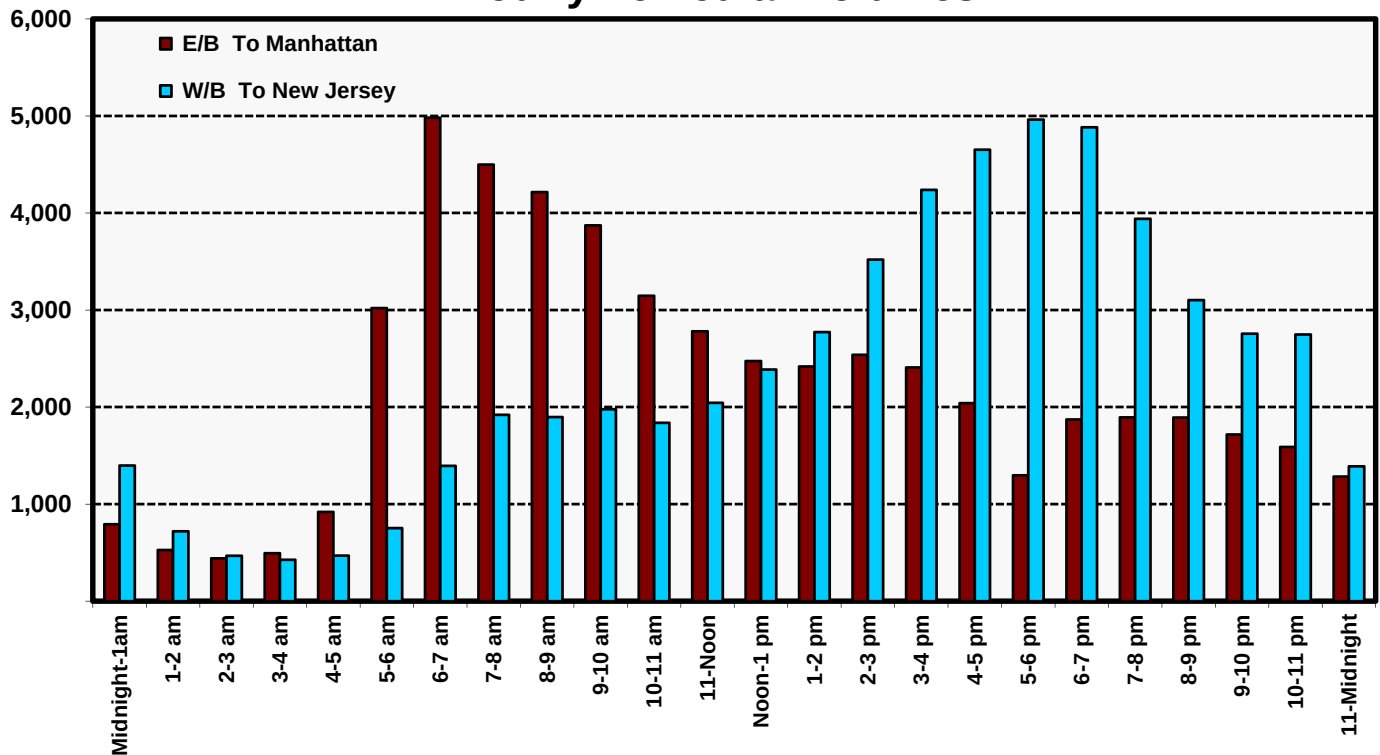
Holland Tunnel Average Daily Traffic Volumes Total of Both Directions



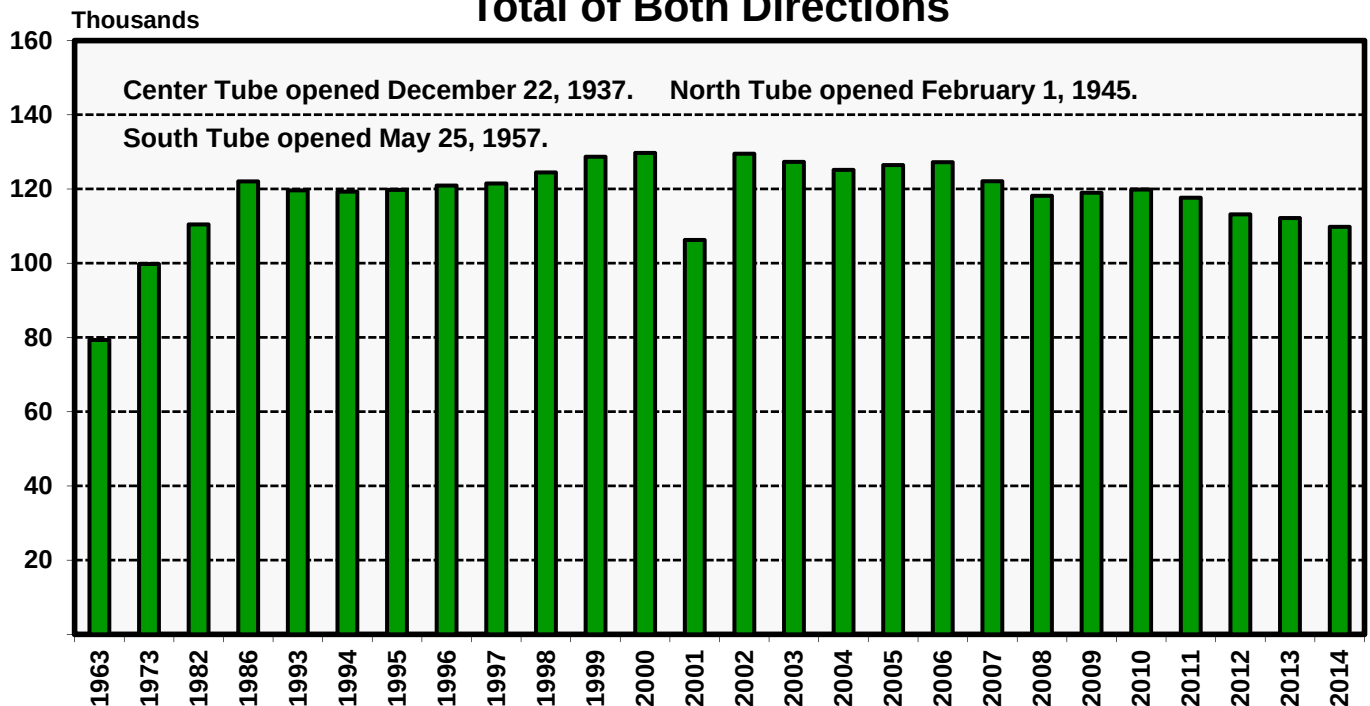
Following 9/11/2001, Holland Tunnel daily traffic volume fell 57% compared to fall 2000. Inbound volume was down 75%; outbound down 40%.

New York – New Jersey Screenline Volumes

Lincoln Tunnel ~ 2014 Hourly Vehicular Volumes



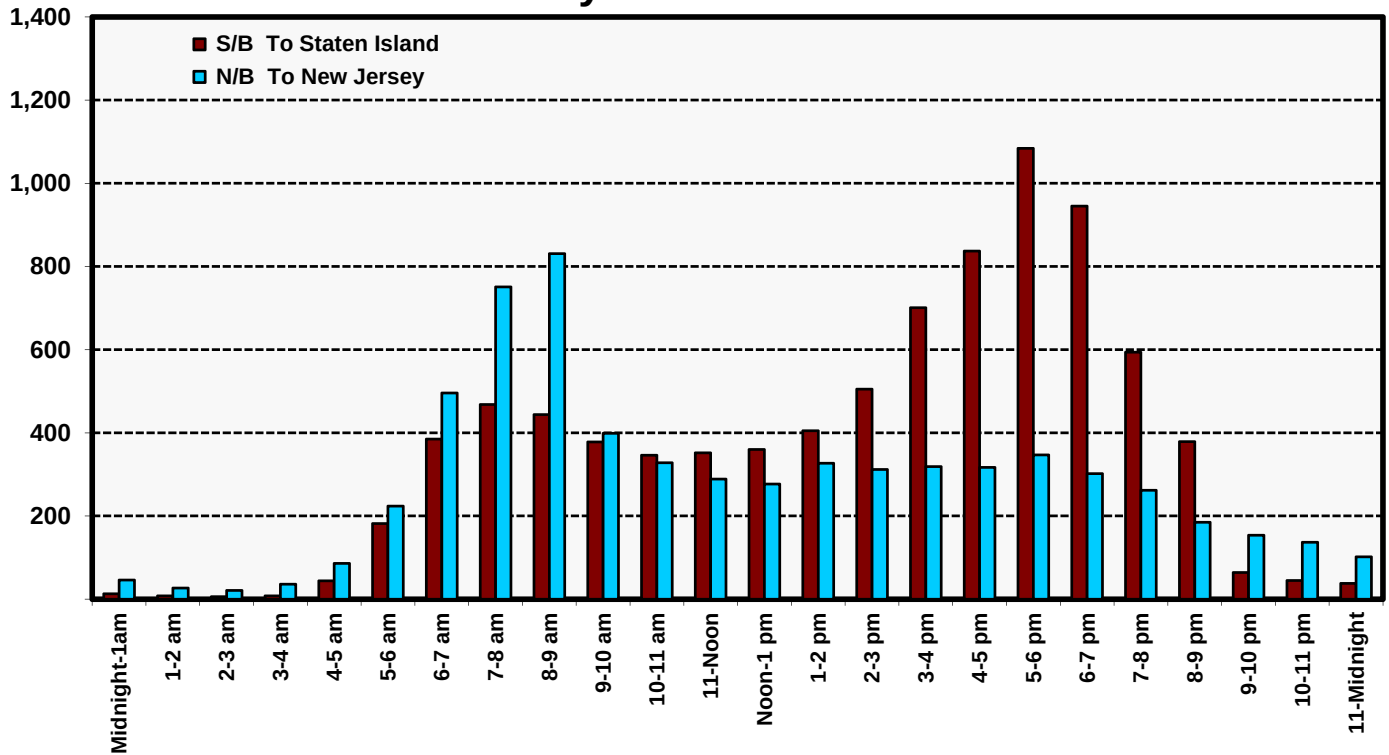
Lincoln Tunnel Average Daily Traffic Volumes Total of Both Directions



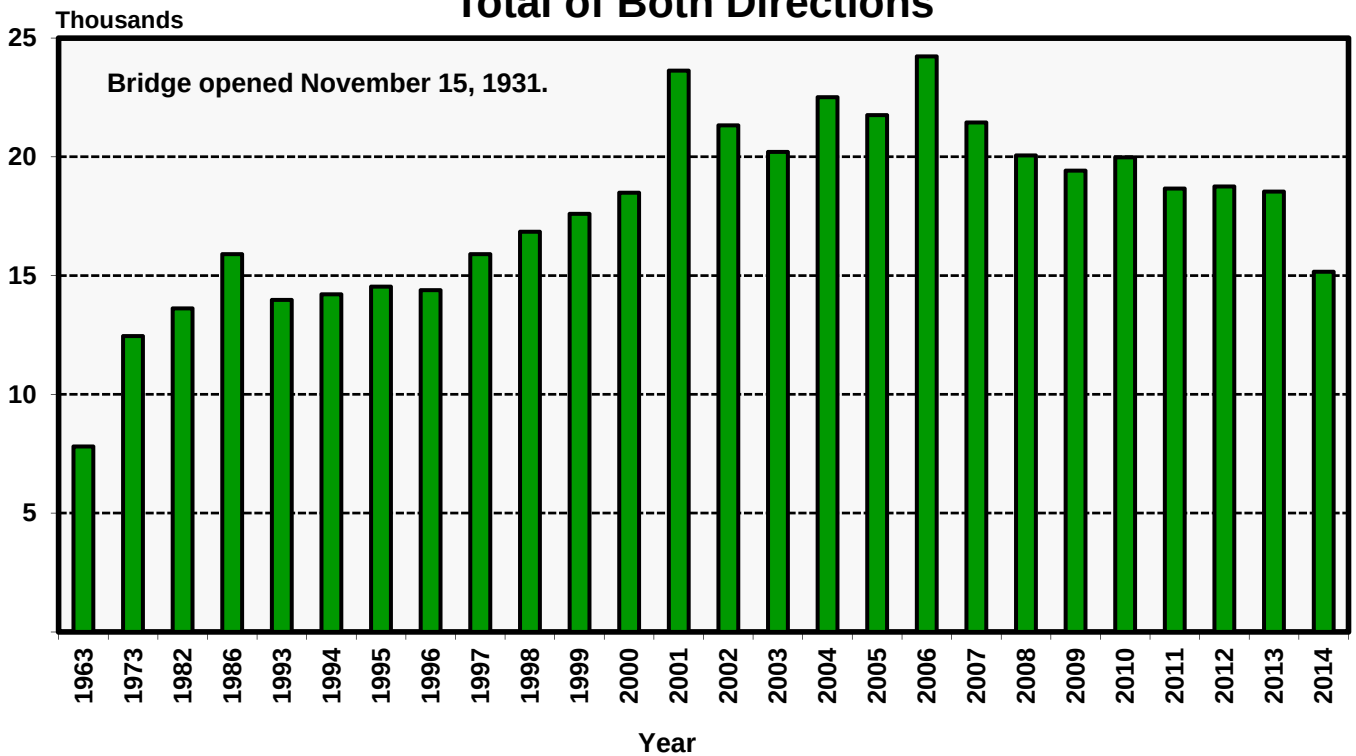
Following 9/11/2001, Lincoln Tunnel daily traffic volume fell 18% compared to fall 2000. Inbound volume was down 13%; outbound down 23%.

New York – New Jersey Screenline Volumes

Bayonne Bridge ~ 2014 Hourly Vehicular Volumes

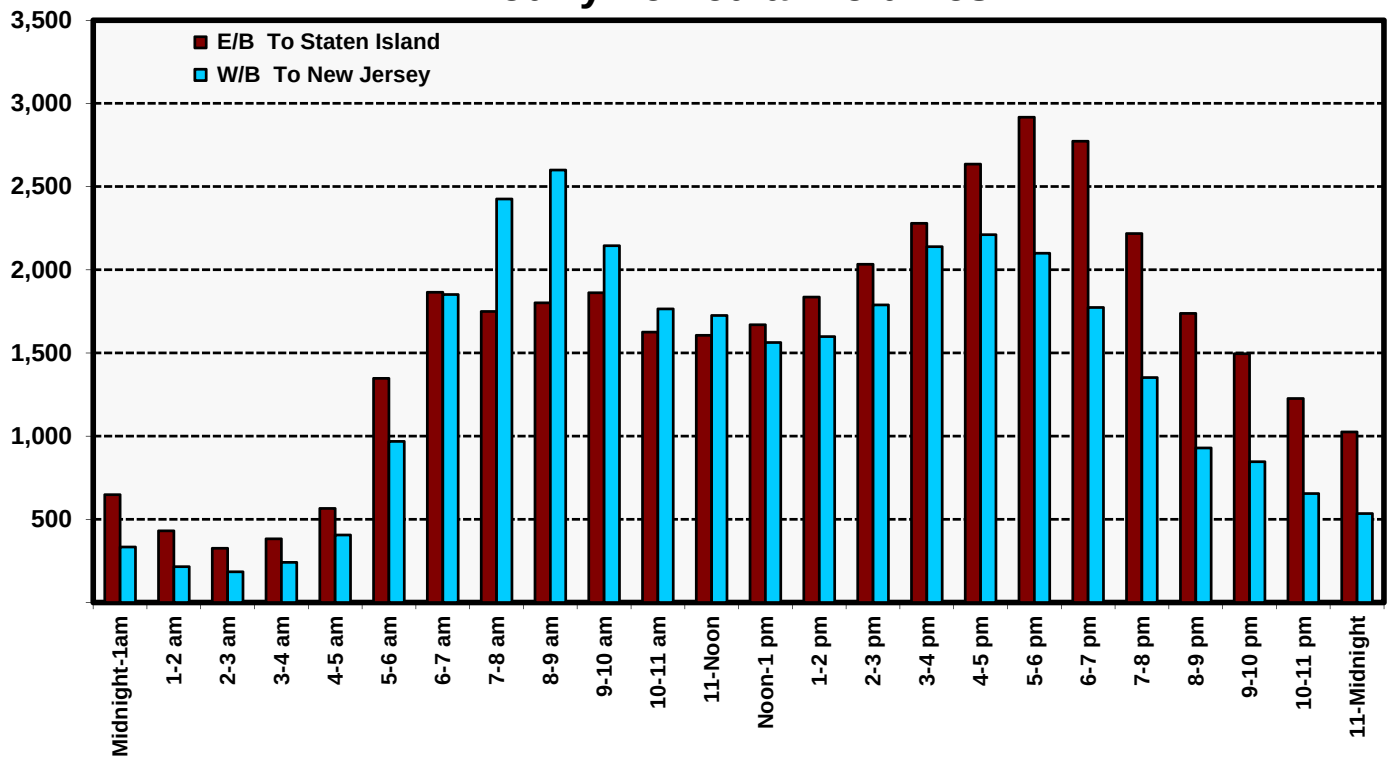


Bayonne Bridge Average Daily Traffic Volumes Total of Both Directions

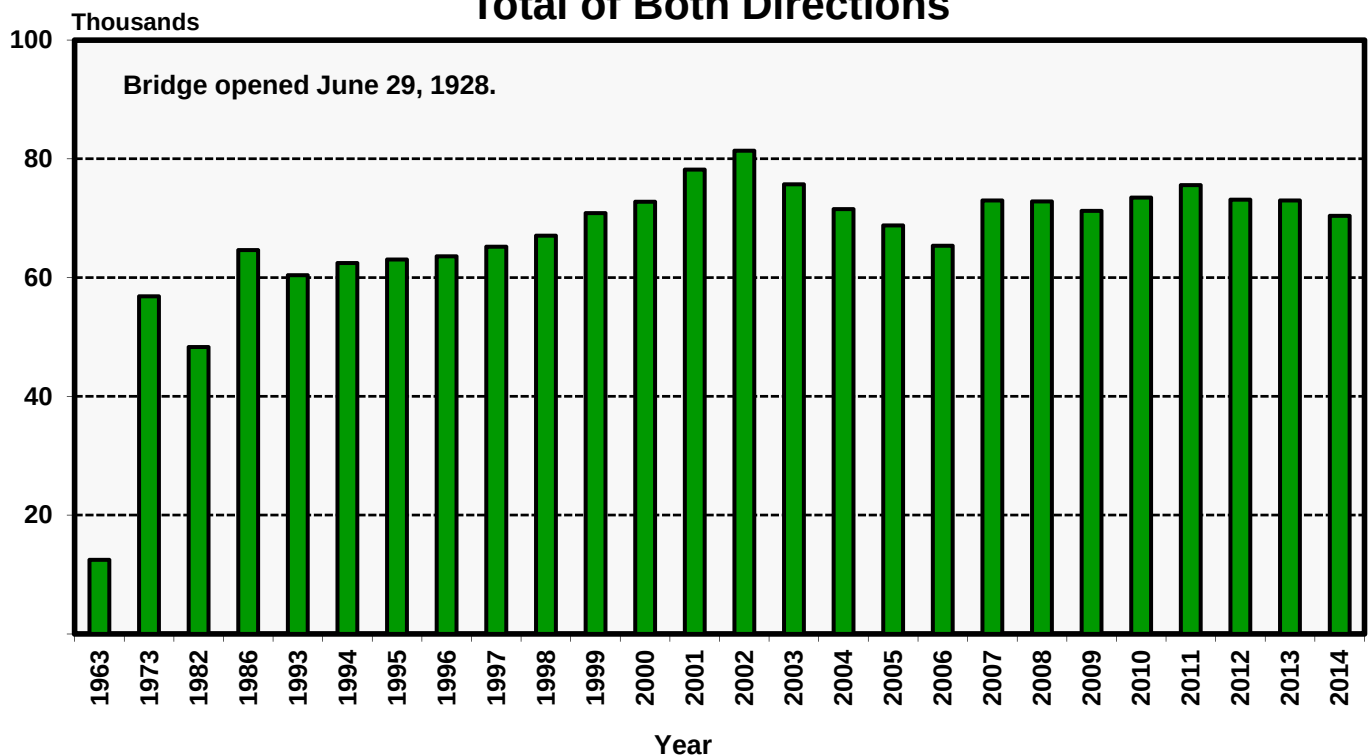


New York – New Jersey Screenline Volumes

Goethals Bridge ~ 2014 Hourly Vehicular Volumes

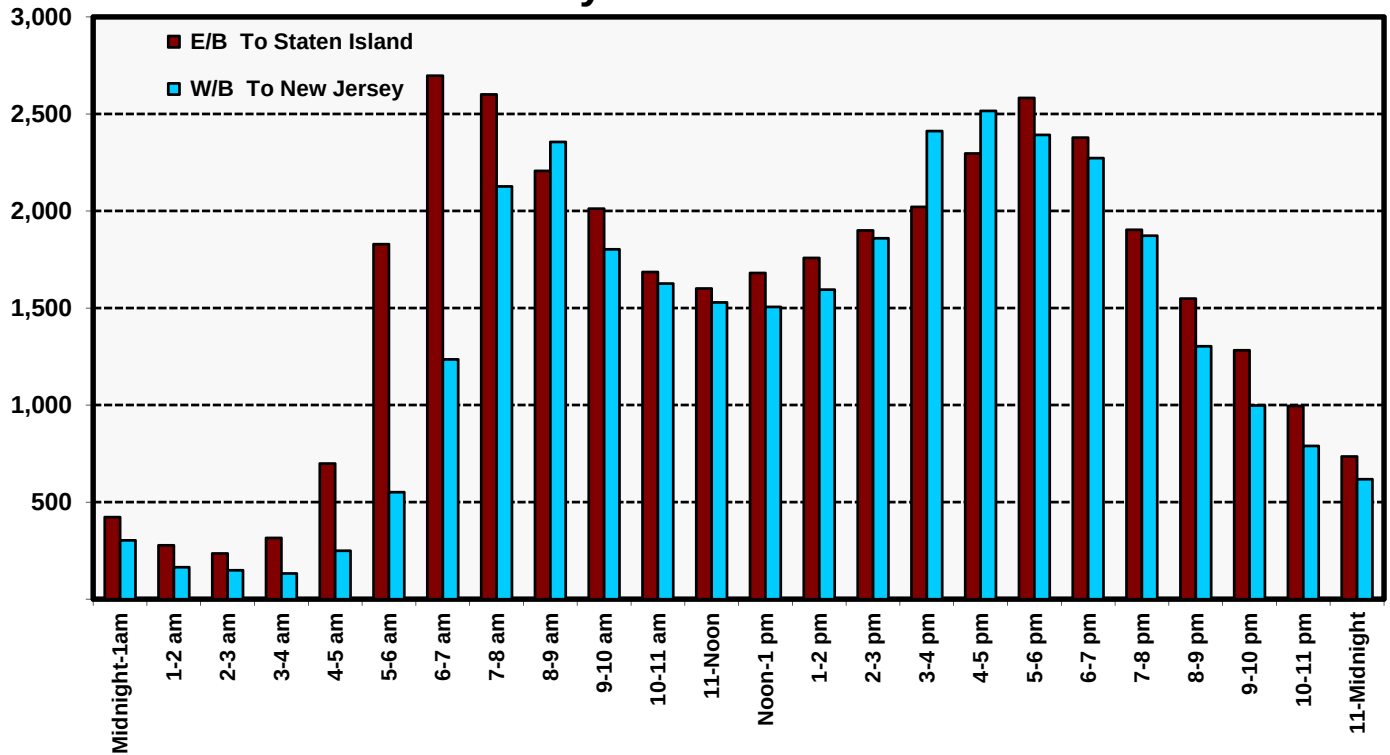


Goethals Bridge Average Daily Traffic Volumes Total of Both Directions

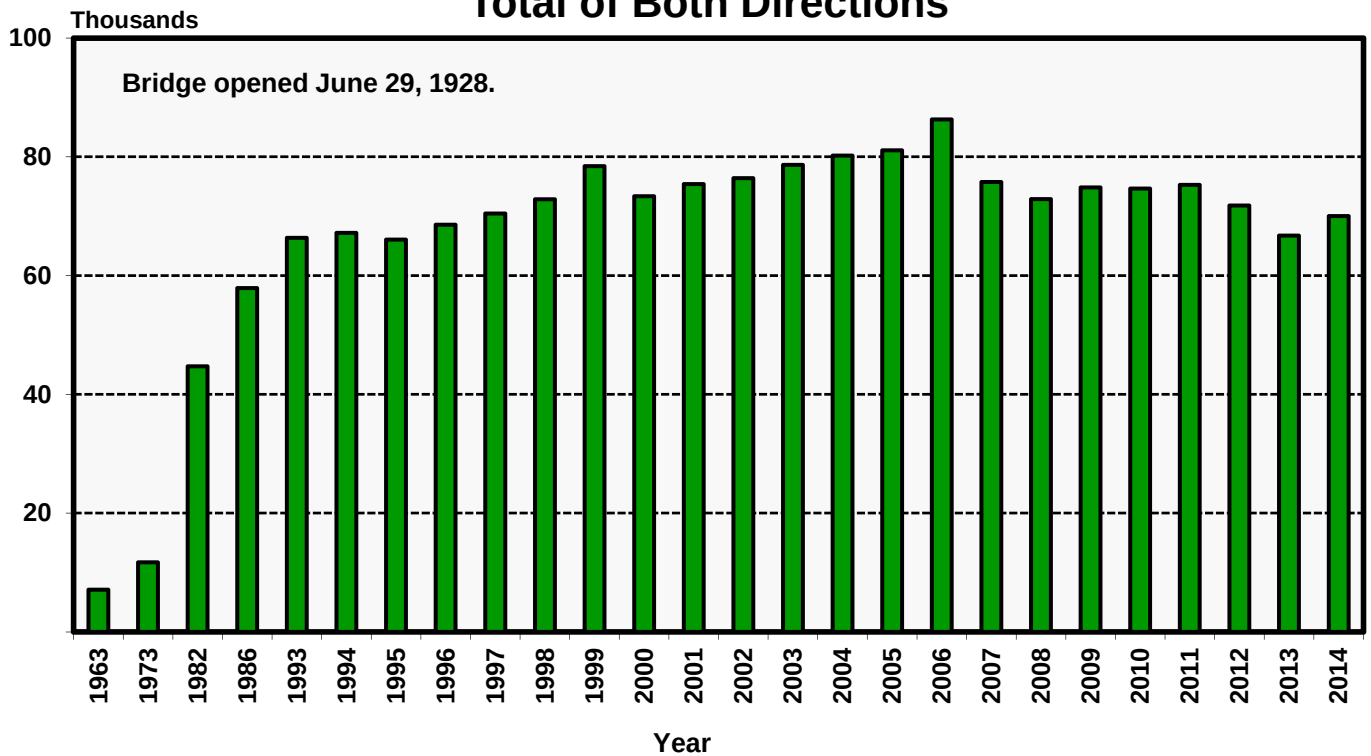


New York – New Jersey Screenline Volumes

Outerbridge Crossing ~ 2014 Hourly Vehicular Volumes



Outerbridge Crossing Average Daily Traffic Volumes Total of Both Directions



Brooklyn-Queens Screenline



**Shore Parkway (Belt Parkway)
at Brooklyn-Queens Screenline**

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 – 1994 Newtown Creek Bridges

Growth slowed between 1986 and 1994, as traffic crossing Newtown Creek increased 3.0% during that eight-year period, to 231,657 daily vehicles in 1994 from 224,816 in 1986.

- Growth was concentrated at the J.J. Byrne Memorial Bridge, where traffic increased 83.6%, to 26,329 daily vehicles in 1994 from 14,338 in 1986.
- Grand Street Bridge traffic increased 15.4%, to 13,175 daily vehicles in 1994 from 11,413 in 1986.
- Kosciuszko Bridge traffic decreased 1.2%, to 166,354 daily vehicles from 168,314.
- Pulaski Bridge traffic decreased 16.1%, to 25,799 daily vehicles from 30,751.

1994 – 2004 Newtown Creek Bridges

Faster growth resumed between 1994 and 2004, as Newtown Creek crossings increased 19.0%, to 275,654 daily vehicles in 2004 from 231,657 in 1994, with increases recorded on all four bridges.

- The largest numerical increase occurred on the Kosciuszko Bridge, where daily volume increased to 193,612 in 2004 from 166,354 in 1994 (+16.4%).
- The largest percentage increase occurred on the Pulaski Bridge, where daily volume increased 55.6%, to 40,146 from 25,799.

2004 – 2014 Newtown Creek Bridges

During the most recent ten-year period, Newtown Creek crossings decreased 3.5%, to 265,928 daily vehicles in 2014 from 275,654 in 2004.

- The largest decrease occurred on the Kosciuszko Bridge: decrease of 9,587 daily vehicles, to 184,025 in 2014 from 193,612 in 2004 (-5.0%).

1963 – 2014 Newtown Creek Bridges

During the 51 years from 1963 to 2014, traffic crossing Newtown Creek increased 65.8%, to 265,928 daily vehicles in 2014 from 160,400 in 1963.

- Volumes increased on all four crossings.
- Kosciuszko Bridge traffic increased 80.1%, to 184,025 daily vehicles in 2014 from 102,190 in 1963.
- J.J. Byrne Memorial Bridge traffic increased 57.9%, to 27,836 daily vehicles from 17,630.
- Pulaski Bridge traffic increased 41.5%, to 40,405 daily vehicles from 28,560.
- Grand Street Bridge traffic increased 13.7%, to 13,662 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 – 2004 Other Brooklyn – Queens Screenline Facilities

Daily volumes on these eleven facilities increased 17.4%, to 338,880 daily vehicles in 2004 from 288,774 in 1993.

- Increases on ten of the eleven facilities.
- Jackie Robinson Parkway traffic increased 42.0%, to 74,304 vehicles per day in 2004 from 52,332 in 1993.
- Traffic on Shore Parkway (Belt Parkway) increased 11.7%, to 151,605 daily vehicles in 2004 from 135,706 in 1993.

2004 – 2014 Other Brooklyn – Queens Screenline Facilities

From 2004 to 2014, total volumes on these eleven facilities decreased 3.0%, to 329,953 daily vehicles in 2014 from 338,880 in 2004.

- The largest increase occurred on Shore Parkway (Belt Parkway), an increase of 8,699 daily vehicles (+5.7%).
- Linden Boulevard traffic decreased 13.1%, to 44,997 daily vehicles in 2014 from 51,753 in 2004.
- Jackie Robinson Parkway traffic decreased 8.6%, to 67,905 daily vehicles from 74,304.

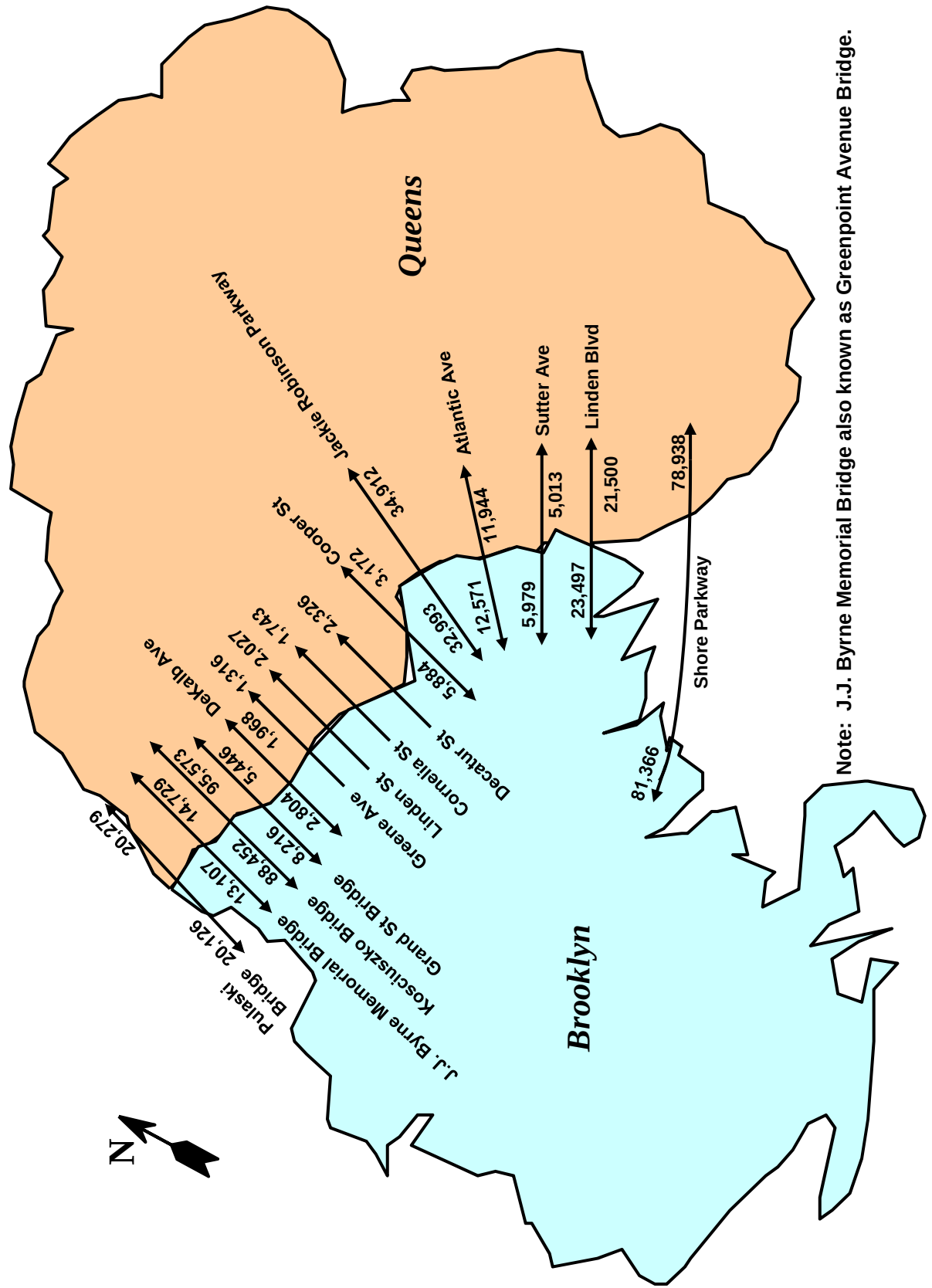
1993 – 2014 Other Brooklyn – Queens Screenline Facilities

During the 21 years from 1993 to 2014, total daily volumes on these eleven facilities increased by 14.3%, to 329,953 in 2014 from 288,774 in 1993.

- The largest increase was on Shore Parkway (Belt Parkway): up 18.1% to 160,304 daily vehicles in 2014 from 135,706 in 1993.
- The largest decrease was on Atlantic Avenue: down 10.8%, to 24,515 daily vehicles from 27,485, a decrease of 2,970 daily vehicles.

Brooklyn - Queens Screenline

2014 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
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
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
Kosciuszko Bridge	92,556	94,830	86,969	91,026	87,257	91,267	91,098	91,471	96,950	91,360	88,452
Pulaski Bridge	19,923	19,431	18,500	18,417	18,295	17,881	18,166	19,288	18,258	19,393	20,126
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
Atlantic Ave	14,693	12,611	12,095	11,180	10,947	10,776	11,265	11,913	11,655	12,570	12,571
Cooper St	5,832	6,160	5,921	5,565	6,025	6,216	6,357	5,910	6,109	6,335	5,884
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
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
Linden Blvd	27,251	28,195	27,119	25,993	23,784	23,209	26,718	22,798	23,132	23,854	23,497
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
Sutter Ave	4,137	4,810	4,218	4,685	4,896	5,075	5,332	5,109	5,244	5,730	5,979
Other Totals	167,898	167,789	167,024	166,582	161,604	163,336	164,941	155,576	160,463	169,736	165,094
Grand Totals	301,351	302,456	293,731	296,336	287,290	292,371	294,489	285,804	295,379	301,770	294,995

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
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
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
Kosciuszko Bridge	101,056	103,983	97,372	95,467	94,526	97,055	99,655	100,153	99,267	99,865	95,573
Pulaski Bridge	20,223	19,480	19,724	18,804	18,724	18,222	18,815	18,134	18,609	19,683	20,279
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
Atlantic Ave	13,903	13,349	11,961	11,066	10,613	10,701	12,081	12,006	11,967	12,642	11,944
Cooper St	3,388	3,622	3,372	3,378	3,477	3,482	3,688	3,077	3,425	3,362	3,172
Cornelia St	1,844	1,787	1,660	1,727	1,753	1,847	1,848	1,723	1,768	1,872	1,743
Decatur St	2,332	2,003	2,247	2,059	2,203	2,091	2,101	2,226	2,087	2,222	2,326
DeKalb Ave	2,607	2,626	2,197	2,258	2,341	2,548	2,229	2,230	2,154	2,140	1,968
Greene Ave	2,029	1,551	1,854	1,733	1,883	1,887	1,655	1,555	1,520	1,505	1,316
Jackie Robinson Pky	38,624	37,490	36,034	35,893	34,433	34,140	34,701	34,563	34,696	35,477	34,912
Linden Blvd	24,502	21,692	24,950	23,429	22,937	21,255	22,077	21,385	21,936	22,581	21,500
Linden St	2,161	2,123	2,192	2,012	1,992	1,936	1,938	1,776	1,923	2,015	2,027
Shore Pky	74,997	75,733	78,046	83,142	83,850	81,070	77,631	66,426	73,021	79,607	78,938
Sutter Ave	4,595	4,938	4,401	4,411	4,286	4,349	4,757	4,579	4,537	4,803	5,013
Other Totals	170,982	166,914	168,914	171,108	169,768	165,306	164,706	151,546	159,034	168,226	164,859
Grand Totals	313,183	312,436	307,505	304,680	302,841	299,909	302,270	288,393	296,176	306,037	300,886

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

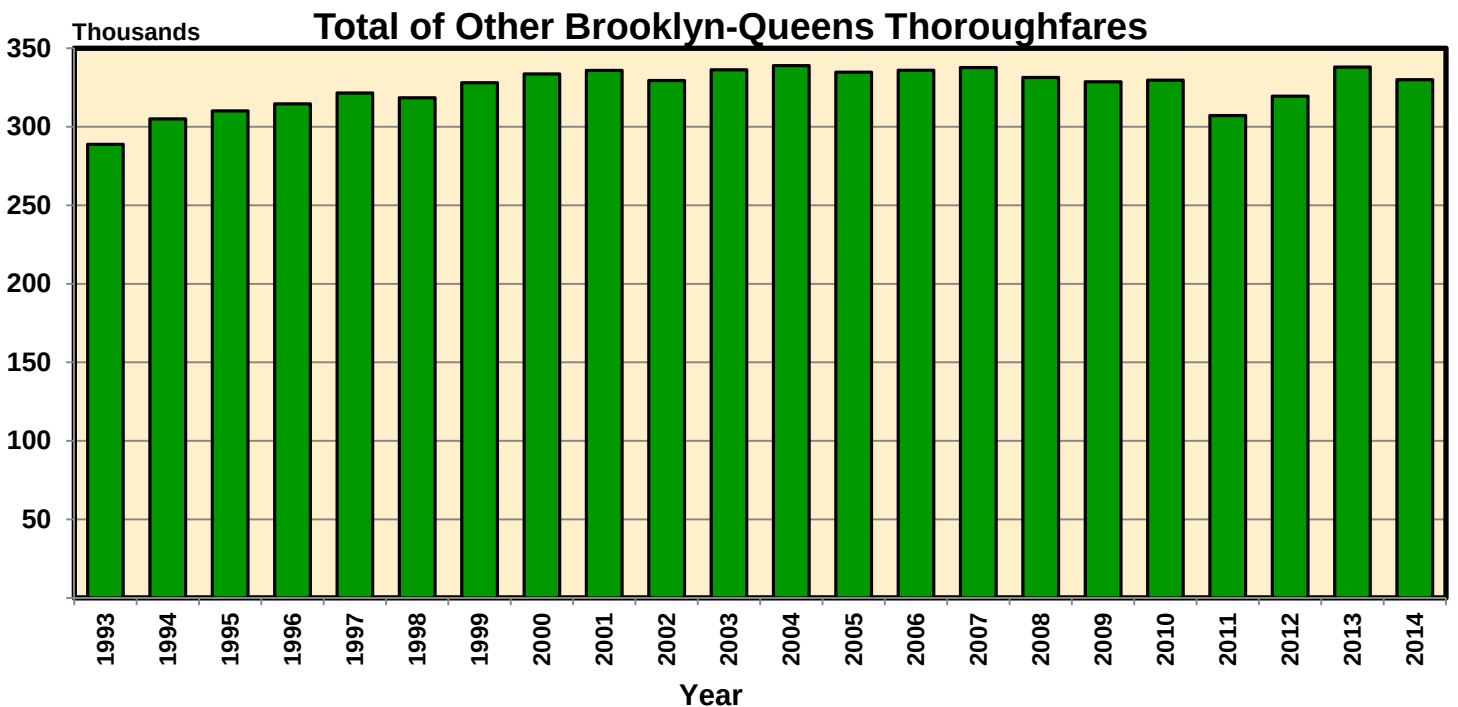
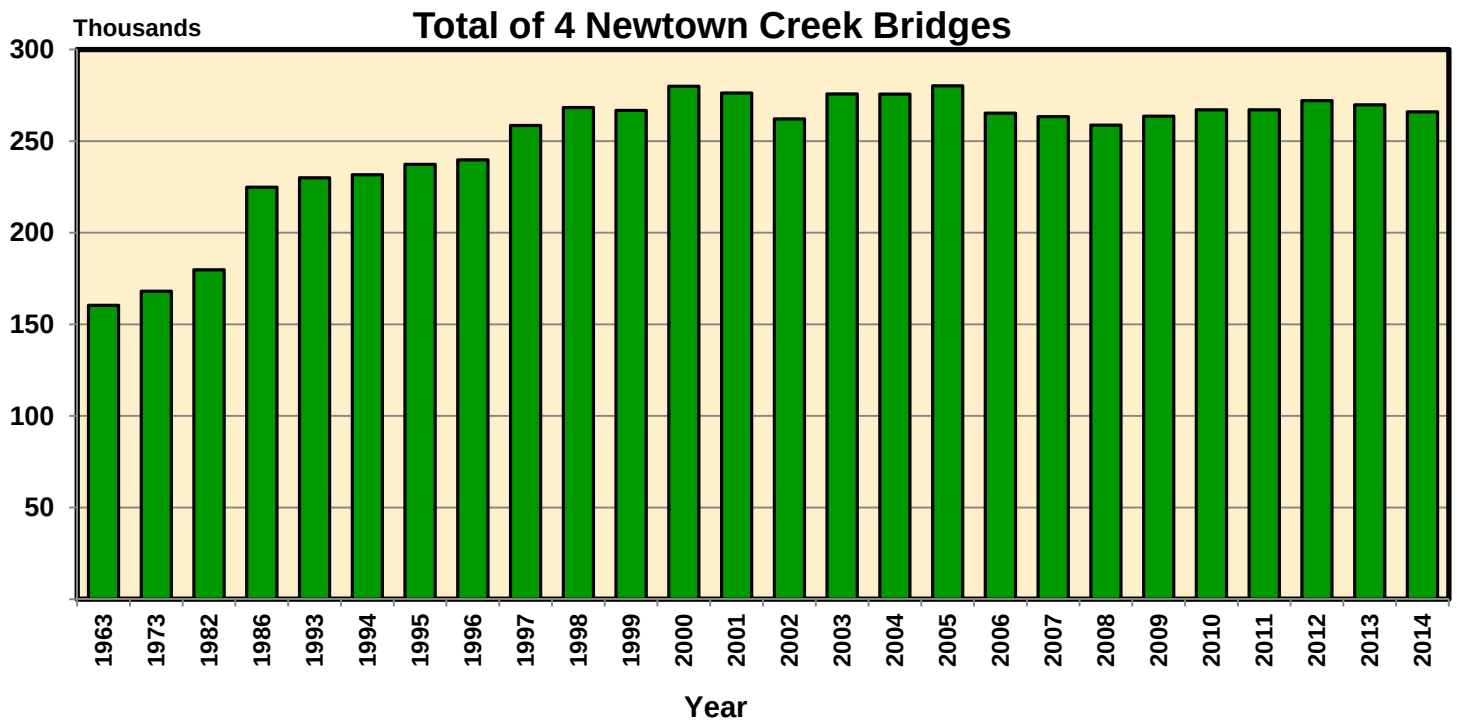
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Grand Street Bridge	13,459	13,016	12,893	12,585	13,031	12,576	12,662	12,320	12,595	13,843	13,662
J.J. Byrne Memorial Bridge	28,437	29,449	29,840	27,027	26,926	26,637	26,716	25,709	26,379	25,701	27,836
Kosciuszko Bridge	193,612	198,813	184,341	186,493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

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



2014 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	76	66	126	202	1,729	2,919	397	367	2,328	3,554
1-2am	50	47	66	138	1,211	1,793	246	256	1,573	2,234
2-3am	44	59	58	107	1,249	1,302	190	205	1,541	1,673
3-4am	66	72	81	108	1,658	1,269	166	197	1,971	1,646
4-5am	109	111	148	168	2,447	1,914	227	296	2,931	2,489
5-6am	228	173	414	387	4,221	3,262	375	621	5,238	4,443
6-7am	614	228	850	675	4,865	4,805	774	1,160	7,103	6,868
7-8am	765	257	998	865	4,785	4,802	1,108	1,466	7,656	7,390
8-9am	655	290	994	898	4,577	4,783	1,219	1,566	7,445	7,537
9-10am	541	240	870	758	4,460	4,649	1,035	1,260	6,906	6,907
10-11am	530	312	841	691	4,455	4,448	970	1,008	6,796	6,459
11-Noon	516	358	765	744	4,493	4,624	968	1,035	6,742	6,761
Noon-1	467	363	720	754	4,582	4,713	1,003	1,048	6,772	6,878
1-2pm	484	364	697	780	4,711	4,751	1,020	1,057	6,912	6,952
2-3pm	507	364	790	907	4,891	4,913	1,185	1,116	7,373	7,300
3-4pm	540	464	906	1,075	4,740	4,988	1,396	1,181	7,582	7,708
4-5pm	537	445	932	1,145	4,118	4,944	1,558	1,259	7,145	7,793
5-6pm	463	424	784	1,159	3,964	4,917	1,530	1,219	6,741	7,719
6-7pm	304	232	563	917	4,165	4,946	1,175	998	6,207	7,093
7-8pm	199	145	417	712	4,104	4,773	896	780	5,616	6,410
8-9pm	138	119	332	523	3,756	4,691	834	647	5,060	5,980
9-10pm	123	83	261	410	3,816	4,308	690	549	4,890	5,350
10-11pm	159	91	238	315	2,943	3,769	623	513	3,963	4,688
11-Mid	101	139	256	291	2,512	3,290	541	475	3,410	4,195
24 hr Total	8,216	5,446	13,107	14,729	88,452	95,573	20,126	20,279	129,901	136,027
6-10am	2,575	1,015	3,712	3,196	18,687	19,039	4,136	5,452	29,110	28,702
10am-1pm	1,513	1,033	2,326	2,189	13,530	13,785	2,941	3,091	20,310	20,098
1-3pm	991	728	1,487	1,687	9,602	9,664	2,205	2,173	14,285	14,252
3-7pm	1,844	1,565	3,185	4,296	16,987	19,795	5,659	4,657	27,675	30,313
6am-7pm	6,923	4,341	10,710	11,368	58,806	62,283	14,941	15,373	91,380	93,365

* To Brooklyn

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

2014 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	159	204	75	37			34			28	27	21	506	544
1-2am	87	133	43	26	13	20	20	15	12	20	15	12	238	296
2-3am	69	85	27	21	8	13	13	15	12	15	12	11	154	217
3-4am	59	70	23	21	6	12	12	20	13	20	13	11	140	216
4-5am	141	94	36	39	10	18	18	23	17	23	17	10	295	405
5-6am	312	194	96	61	18	30	30	57	37	57	37	19	766	844
6-7am	704	392	298	112	44	66	66	121	69	121	69	41	2,064	1,888
7-8am	992	563	513	169	88	109	109	263	98	263	98	85	2,710	2,086
8-9am	950	542	466	166	103	122	122	231	130	231	130	73	2,457	1,881
9-10am	696	496	337	148	90	107	107	156	110	156	110	62	2,125	1,563
10-11am	592	485	258	142	79	111	111	125	102	125	102	54	1,588	1,396
11-Noon	592	503	250	156	88	120	120	140	100	140	100	84	1,386	1,441
Noon-1	613	564	260	158	99	113	113	137	113	137	113	88	1,403	1,564
1-2pm	634	630	271	173	97	123	123	147	118	147	118	67	1,470	1,772
2-3pm	679	699	320	192	98	146	146	163	113	163	113	74	1,706	2,153
3-4pm	732	876	345	221	118	167	167	191	144	191	144	74	2,064	2,396
4-5pm	772	992	399	233	135	181	181	177	131	177	131	90	2,158	2,488
5-6pm	800	1,034	418	252	142	200	200	188	156	188	156	90	2,135	2,569
6-7pm	737	972	376	226	132	166	166	164	123	164	123	91	1,918	2,351
7-8pm	653	761	328	182	95	132	132	131	102	131	102	83	1,565	1,898
8-9pm	553	585	245	149	86	112	112	100	80	100	80	69	1,272	1,561
9-10pm	434	475	210	120	70	100	100	90	62	90	62	47	1,083	1,323
10-11pm	349	334	164	102	62	72	72	72	54	72	54	35	952	1,196
11-Mid	262	261	126	66	39	52	52	45	42	45	42	25	838	864
24 hr Total	12,571	11,944	5,884	3,172	1,743	2,326	2,326	2,804	1,968	2,804	1,968	1,316	32,993	34,912
6-10am	3,342	1,993	1,614	595	325	404	404	771	407	771	407	261	9,356	7,418
10am-1pm	1,797	1,552	768	456	266	344	344	402	315	402	315	226	4,377	4,401
1-3pm	1,313	1,329	591	365	195	269	269	310	231	310	231	141	3,176	3,925
3-7pm	3,041	3,874	1,538	932	527	714	714	720	554	720	554	345	8,275	9,804
6am-7pm	9,493	8,748	4,511	2,348	1,313	1,731	1,731	2,203	1,507	2,203	1,507	973	25,184	25,548

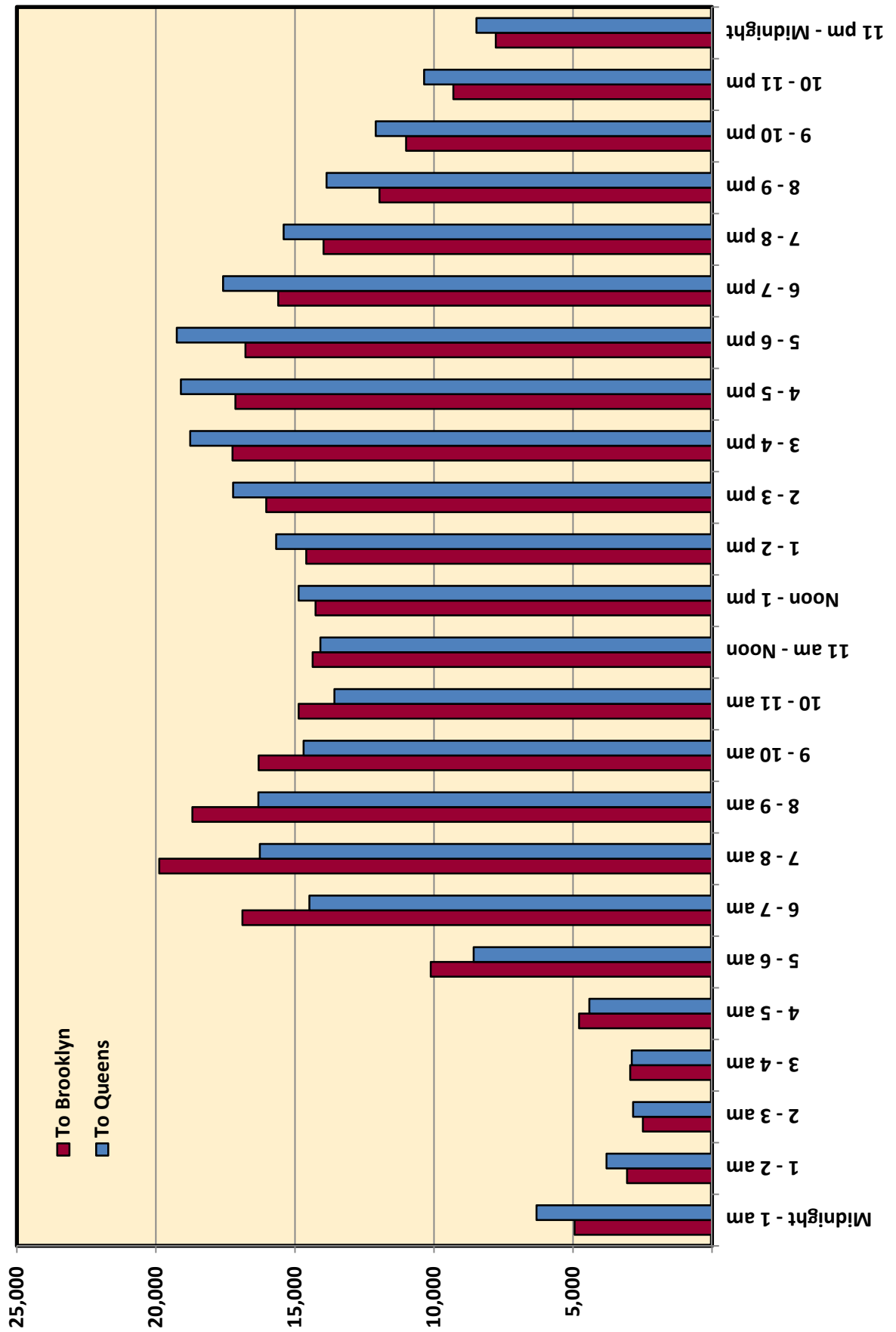
* To Brooklyn

2014 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	343	341	31	1,420	1,421	84	74	2,615	2,757	4,943	6,311
1-2am	225	202	20	806	784	63	39	1,482	1,560	3,055	3,794
2-3am	169	186	12	474	569	39	32	947	1,166	2,488	2,839
3-4am	183	222	16	508	631	38	22	971	1,240	2,942	2,886
4-5am	309	274	14	994	1,003	54	39	1,852	1,923	4,783	4,412
5-6am	598	510	36	2,947	2,281	102	98	4,878	4,128	10,116	8,571
6-7am	1,437	795	62	4,890	3,932	272	211	9,786	7,612	16,889	14,480
7-8am	2,036	889	82	5,310	4,372	398	332	12,222	8,873	19,878	16,263
8-9am	1,778	995	100	4,923	4,408	440	260	11,245	8,780	18,690	16,317
9-10am	1,313	978	101	4,464	3,882	310	247	9,401	7,784	16,307	14,691
10-11am	1,338	988	104	3,931	3,438	240	224	8,072	7,123	14,868	13,582
11-Noon	1,347	1,071	113	3,685	3,436	223	212	7,623	7,324	14,365	14,085
Noon-1	1,145	1,178	112	3,690	3,766	241	234	7,489	7,989	14,261	14,867
1-2pm	1,115	1,275	128	3,783	4,057	262	283	7,682	8,723	14,594	15,675
2-3pm	1,220	1,311	139	4,246	4,697	327	301	8,661	9,923	16,034	17,223
3-4pm	1,351	1,591	126	4,595	4,984	386	361	9,664	11,058	17,246	18,766
4-5pm	1,423	1,590	134	4,647	4,971	420	365	9,996	11,310	17,141	19,103
5-6pm	1,282	1,633	150	4,753	4,916	465	388	10,041	11,530	16,782	19,249
6-7pm	1,162	1,430	139	4,627	4,534	409	329	9,393	10,493	15,600	17,586
7-8pm	996	1,082	124	4,347	4,270	334	267	8,354	8,996	13,970	15,406
8-9pm	840	969	101	3,620	3,934	269	236	6,899	7,882	11,959	13,862
9-10pm	690	808	79	3,377	3,476	228	182	6,112	6,742	11,002	12,092
10-11pm	653	674	57	2,938	2,927	213	154	5,341	5,667	9,304	10,355
11-Mid	544	508	47	2,391	2,249	162	123	4,368	4,276	7,778	8,471
24 hr Total	23,497	21,500	2,027	81,366	78,938	5,979	5,013	165,094	164,859	294,995	300,886
6-10am	6,564	3,657	345	19,587	16,594	1,420	1,050	42,654	33,049	71,764	61,751
10am-1pm	3,830	3,237	329	11,306	10,640	704	670	23,184	22,436	43,494	42,534
1-3pm	2,335	2,586	267	8,029	8,754	589	584	16,343	18,646	30,628	32,898
3-7pm	5,218	6,244	549	18,622	19,405	1,680	1,443	39,094	44,391	66,769	74,704
6am-7pm	17,947	15,724	1,490	57,544	55,393	4,393	3,747	121,275	118,522	212,655	211,887

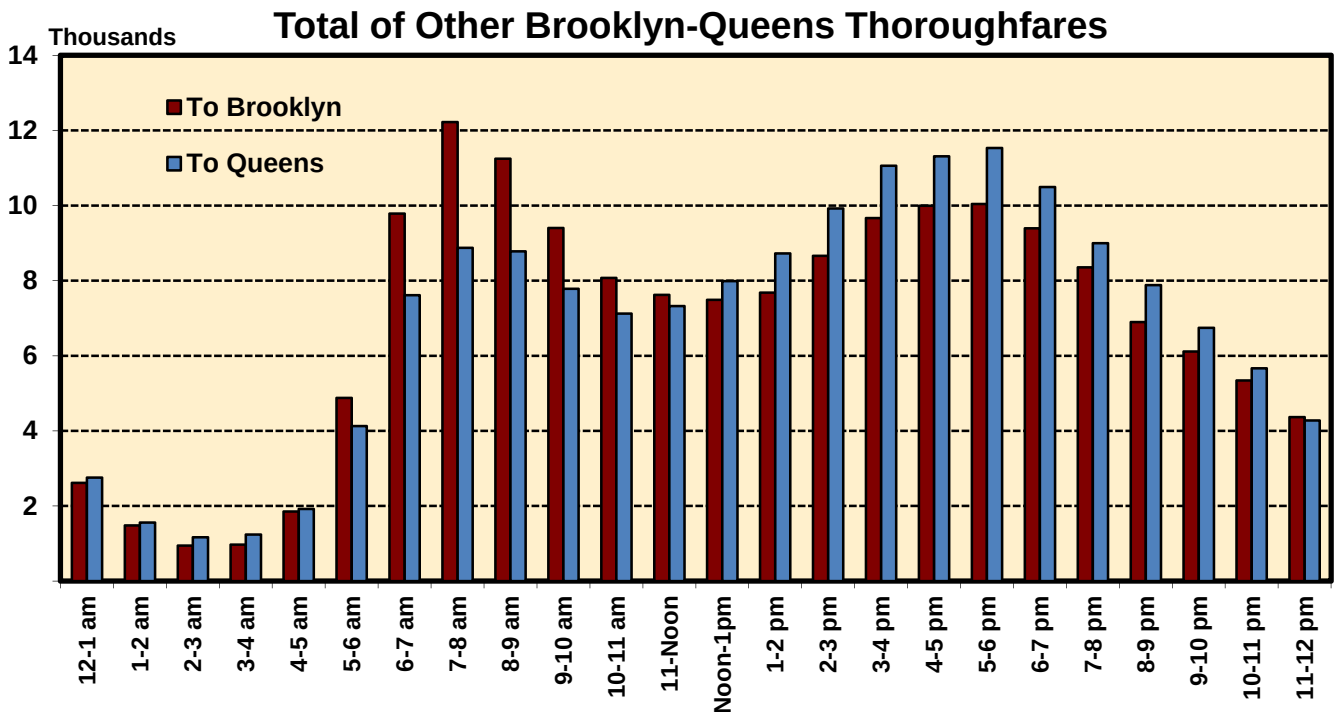
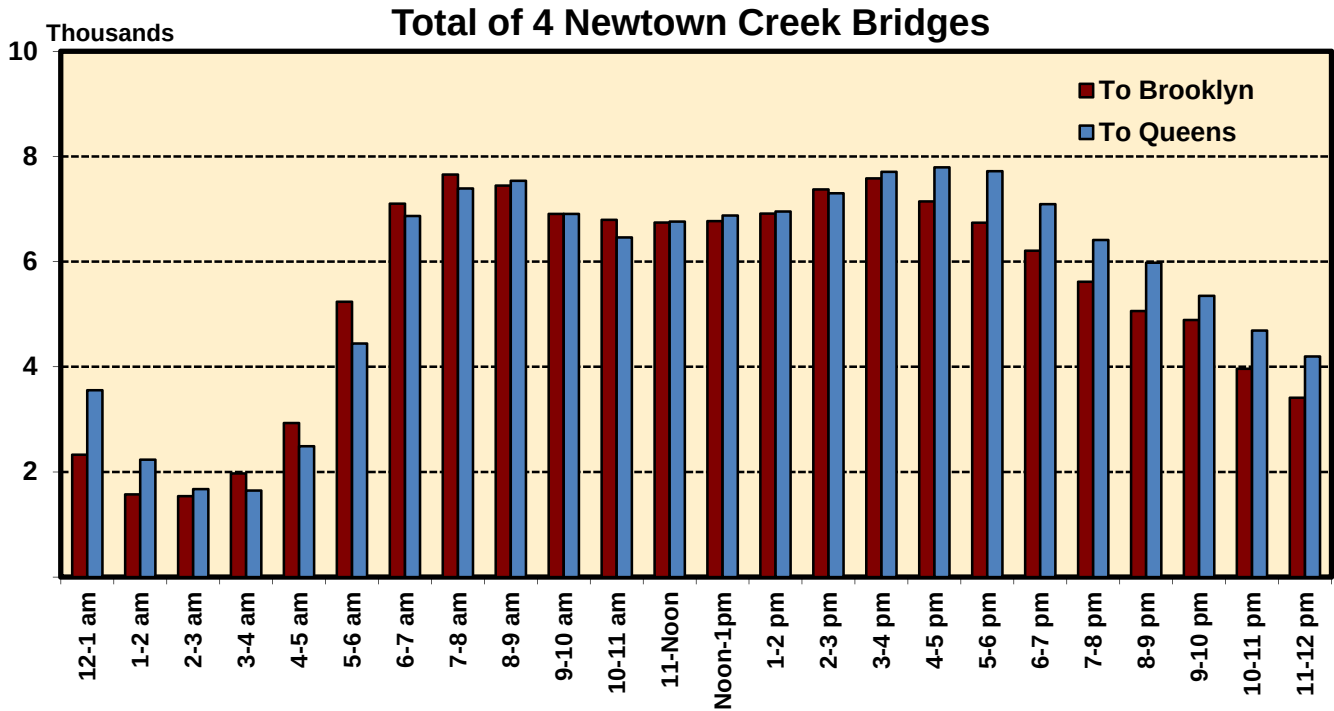
* To Brooklyn

Brooklyn – Queens Screenline Total Hourly Vehicle Volumes ~ 2014



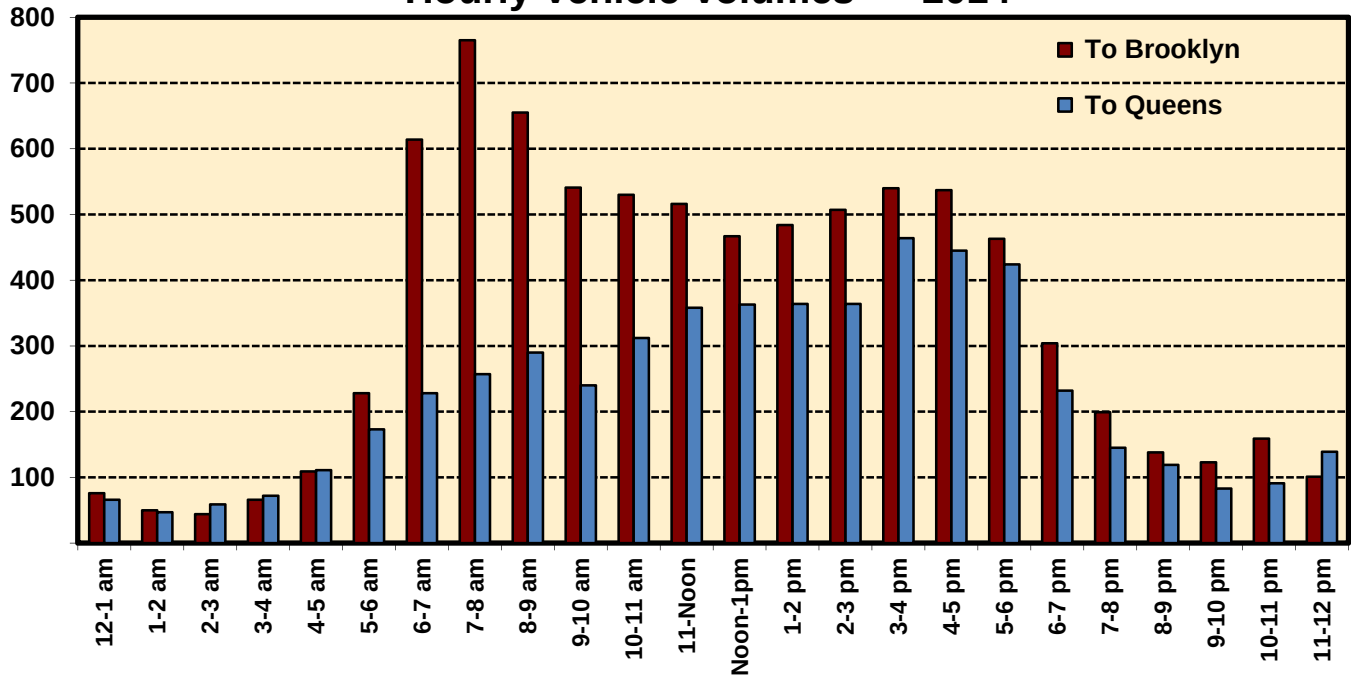
Brooklyn – Queens Screenline

Hourly Vehicle Volumes ~ 2014

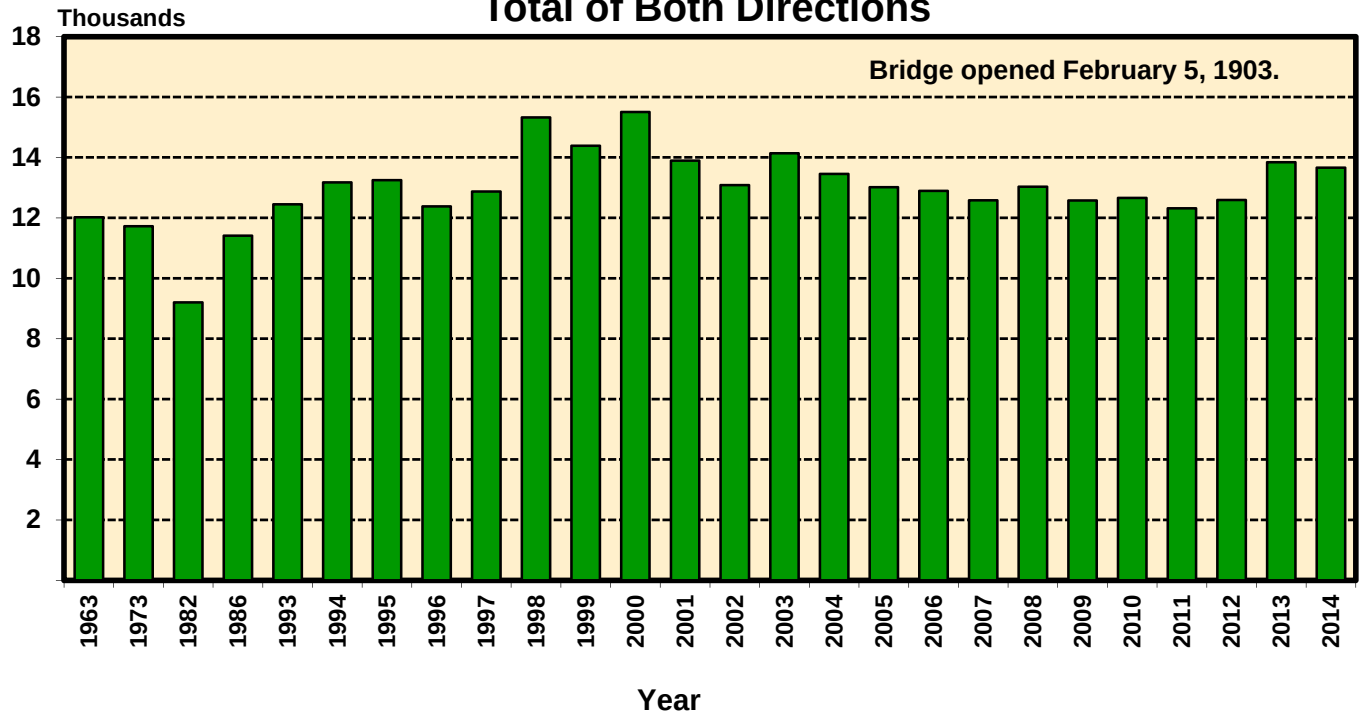


Brooklyn – Queens Screenline Volumes

**Grand Street Bridge
Hourly Vehicle Volumes ~ 2014**

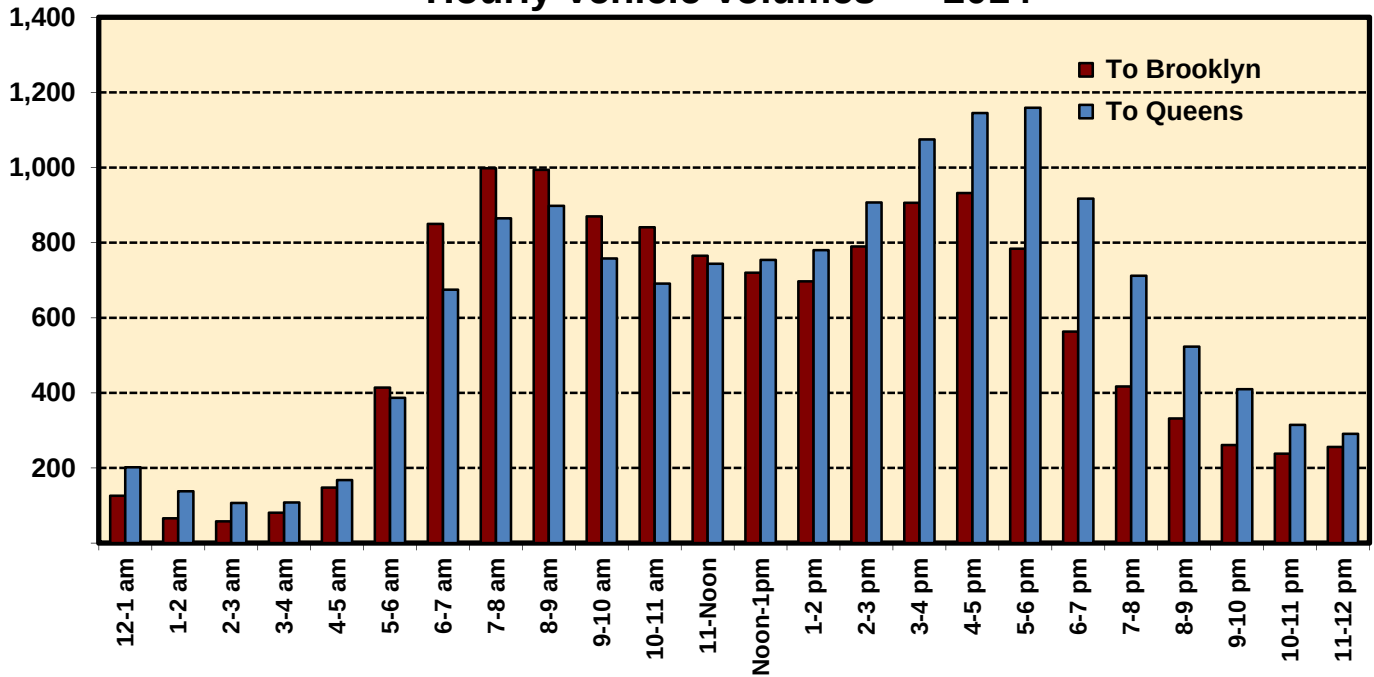


**Grand Street Bridge
Average Daily Traffic Volumes
Total of Both Directions**

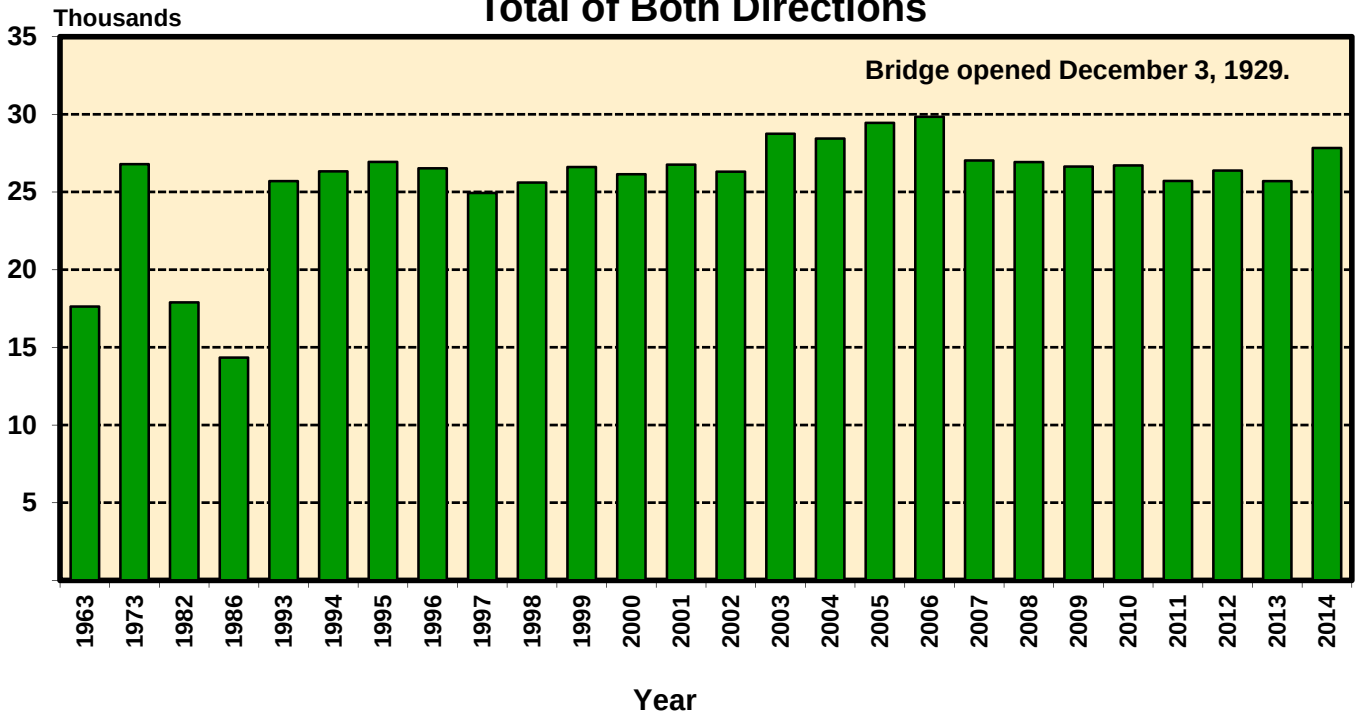


Brooklyn – Queens Screenline Volumes

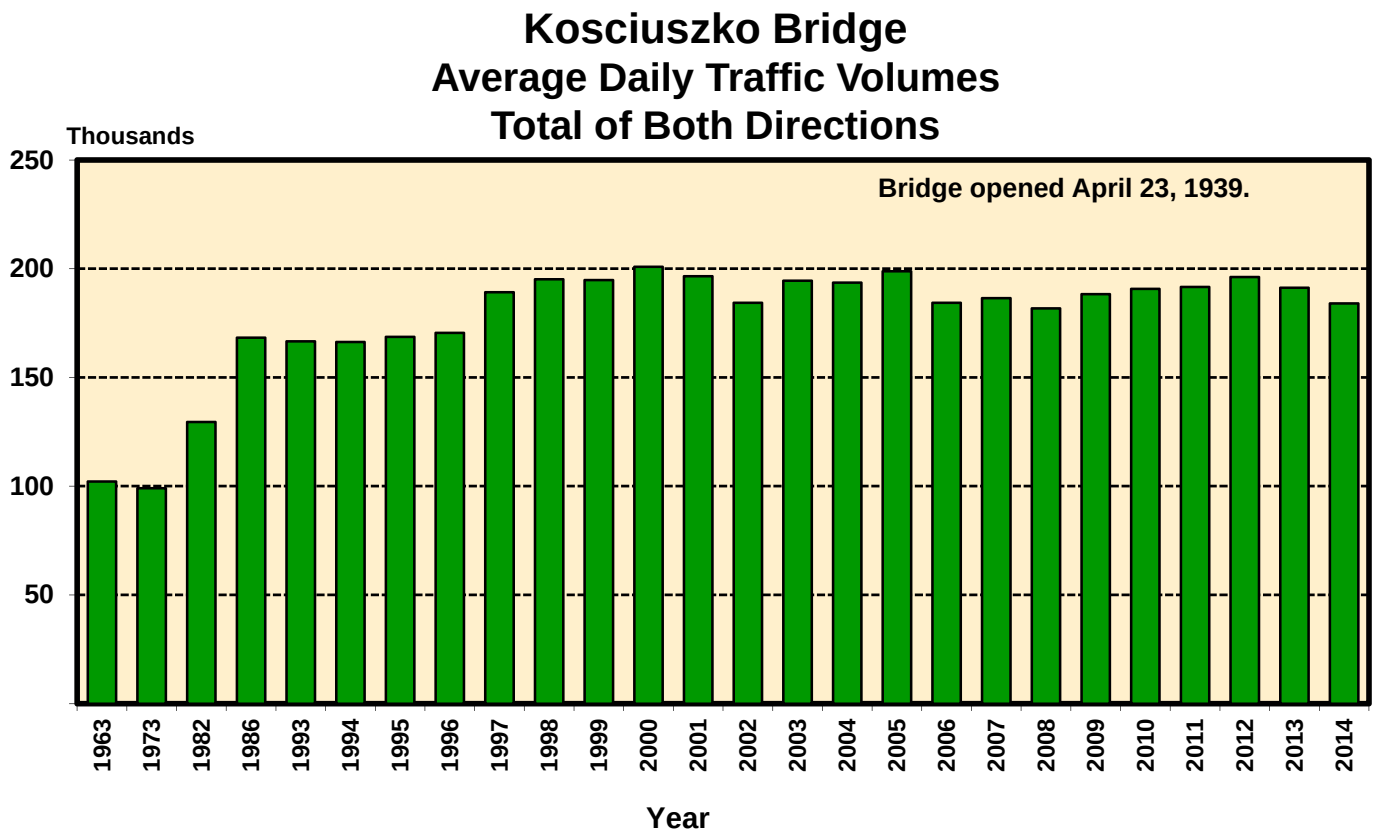
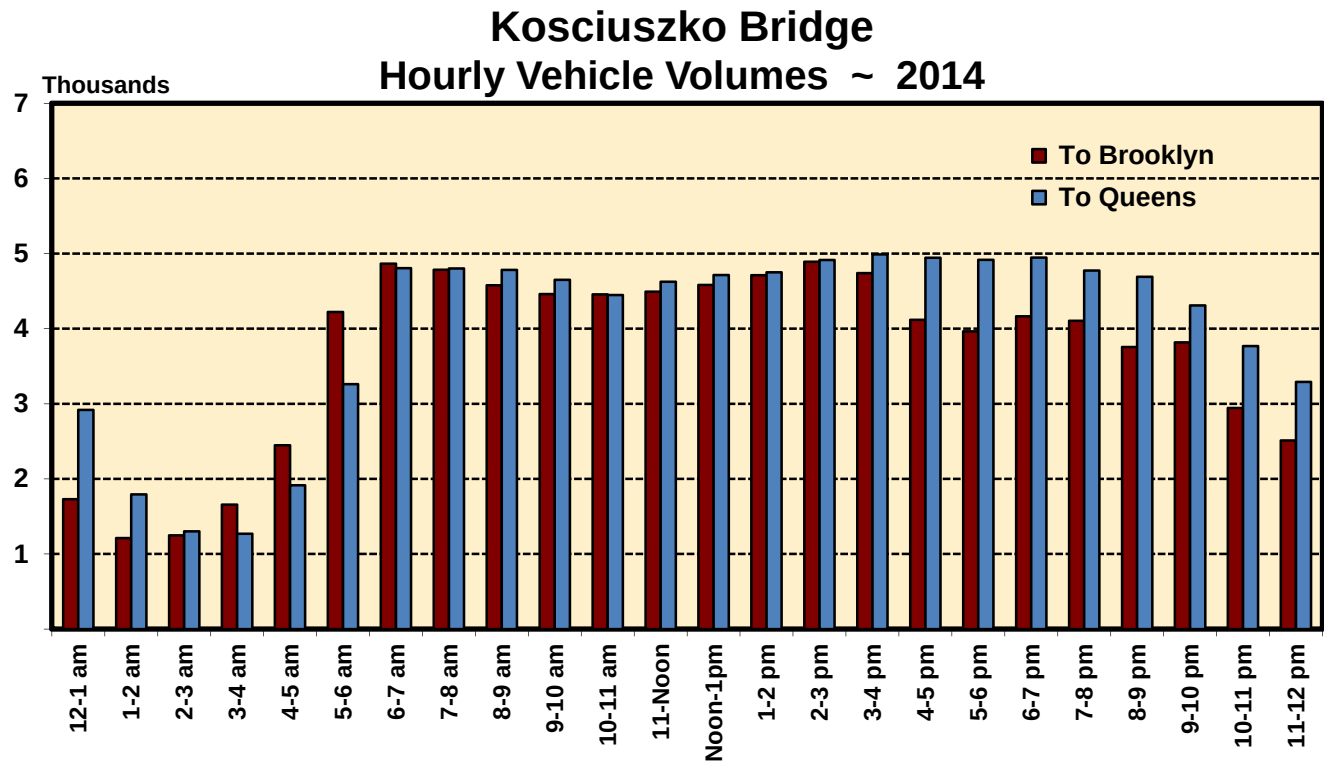
J.J. Byrne Memorial Bridge (Greenpoint Avenue Bridge)
Hourly Vehicle Volumes ~ 2014



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

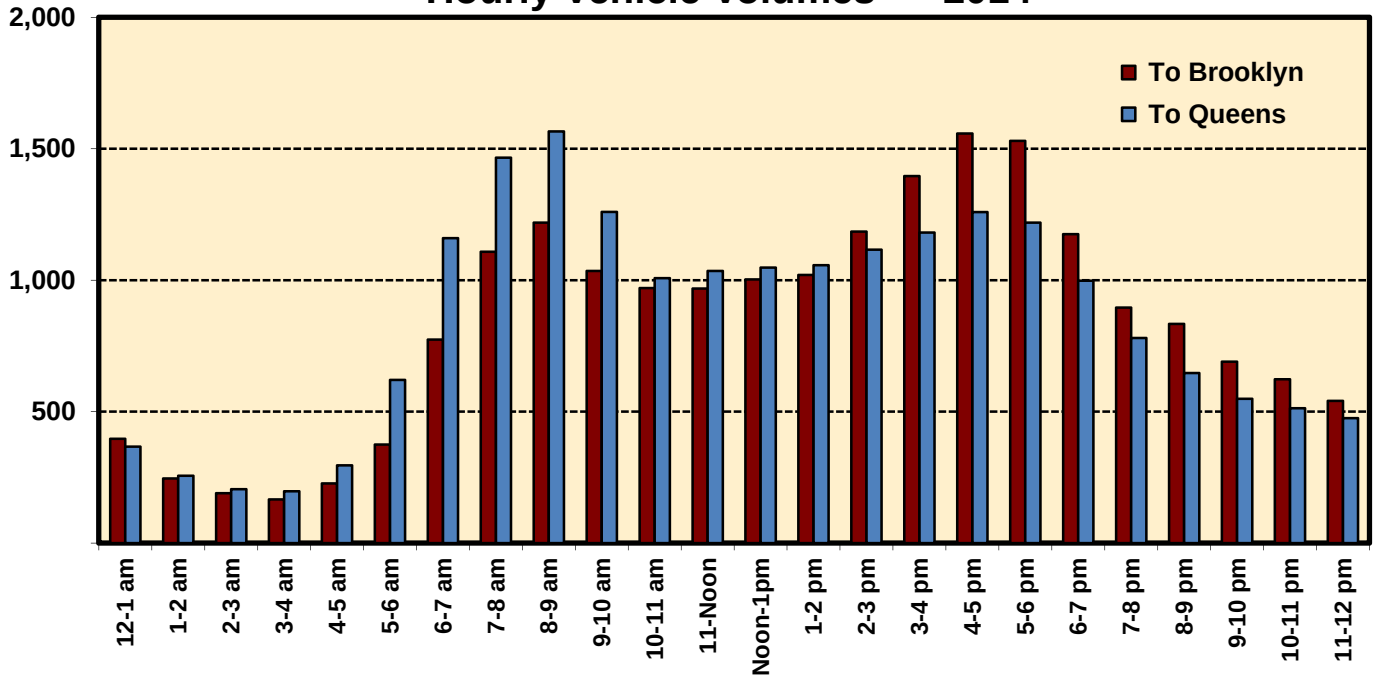


Brooklyn – Queens Screenline Volumes

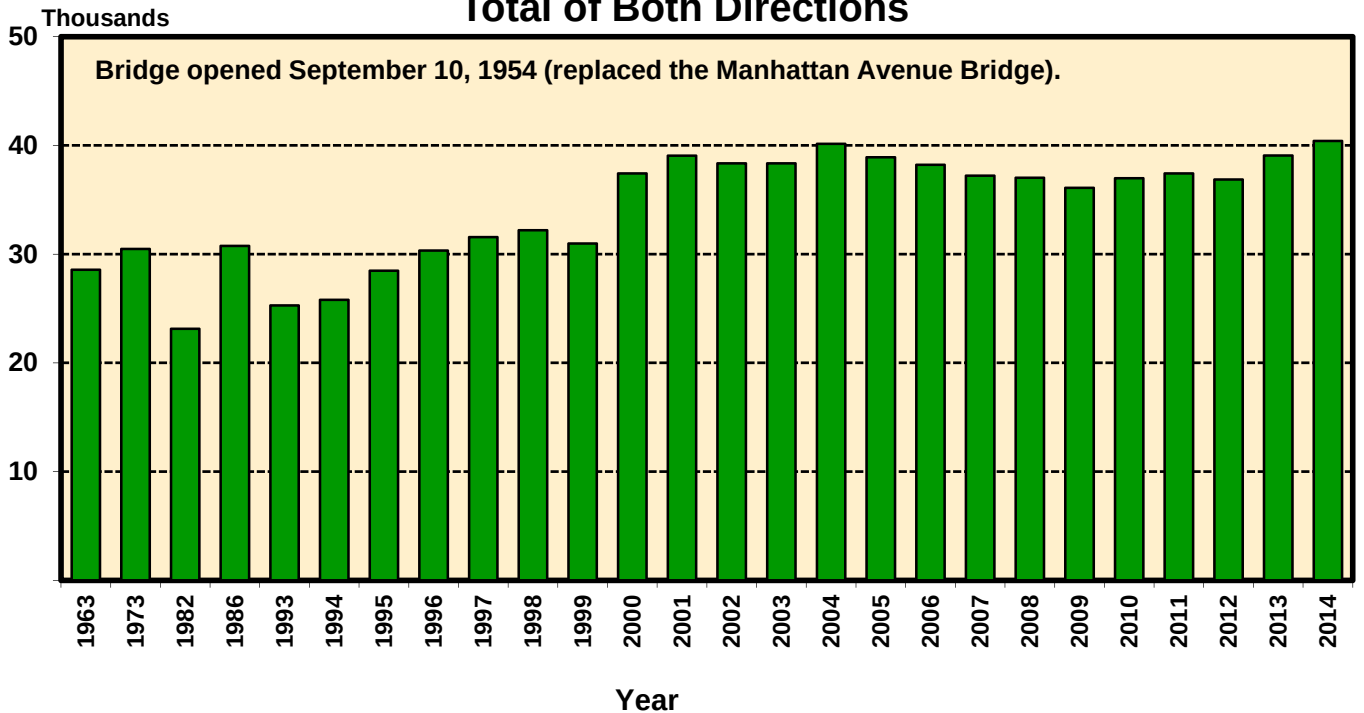


Brooklyn – Queens Screenline Volumes

Pulaski Bridge Hourly Vehicle Volumes ~ 2014

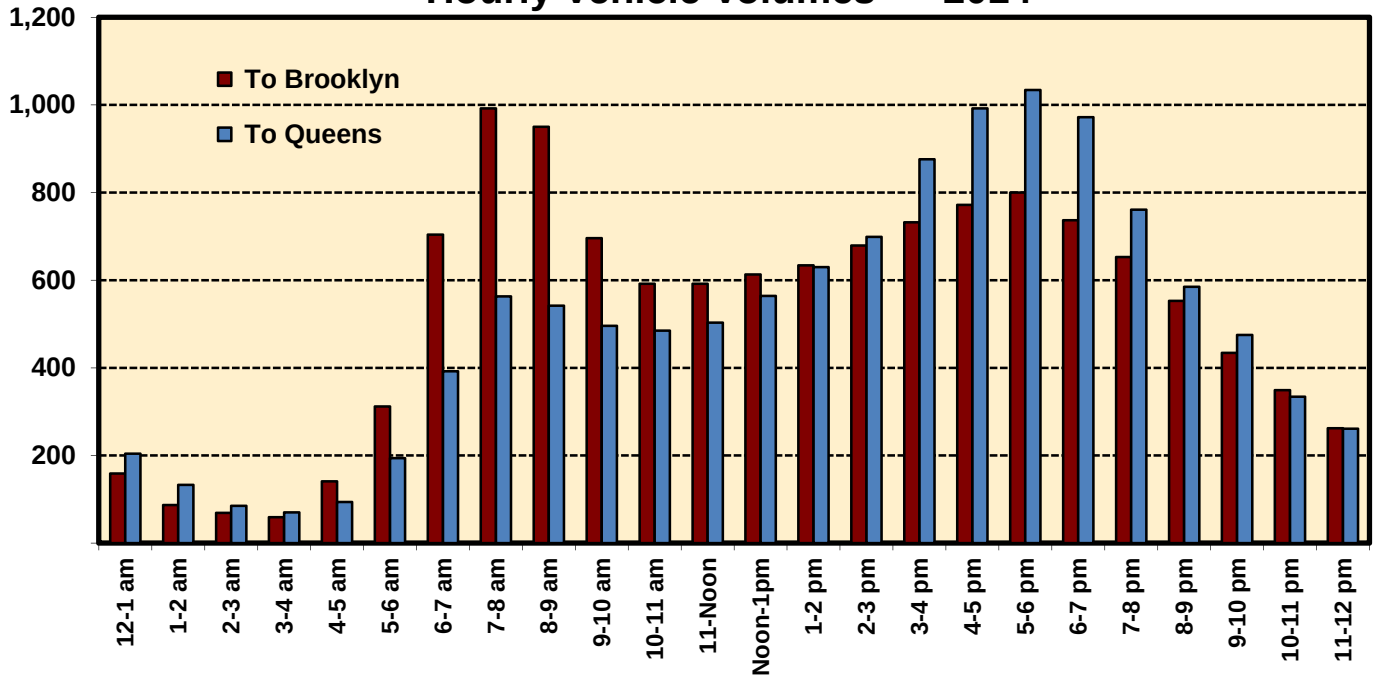


Pulaski Bridge Average Daily Traffic Volumes Total of Both Directions

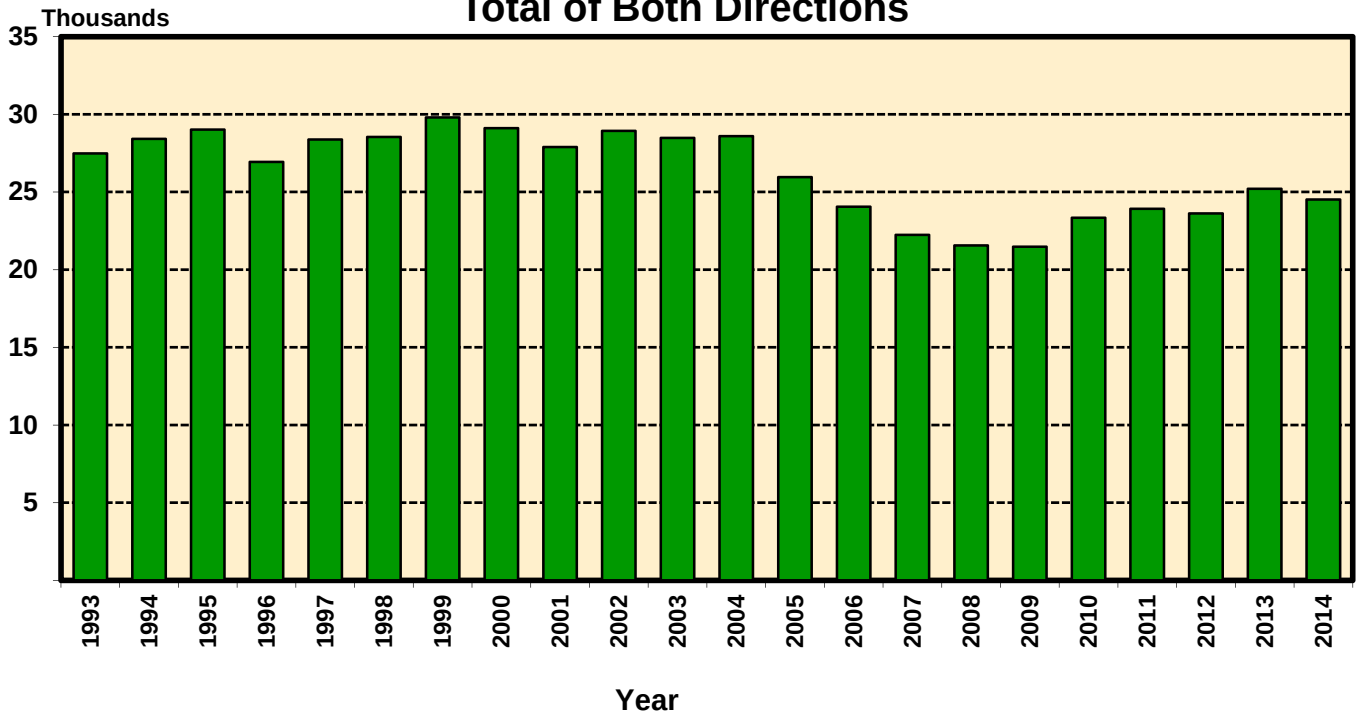


Brooklyn – Queens Screenline Volumes

Atlantic Avenue Hourly Vehicle Volumes ~ 2014

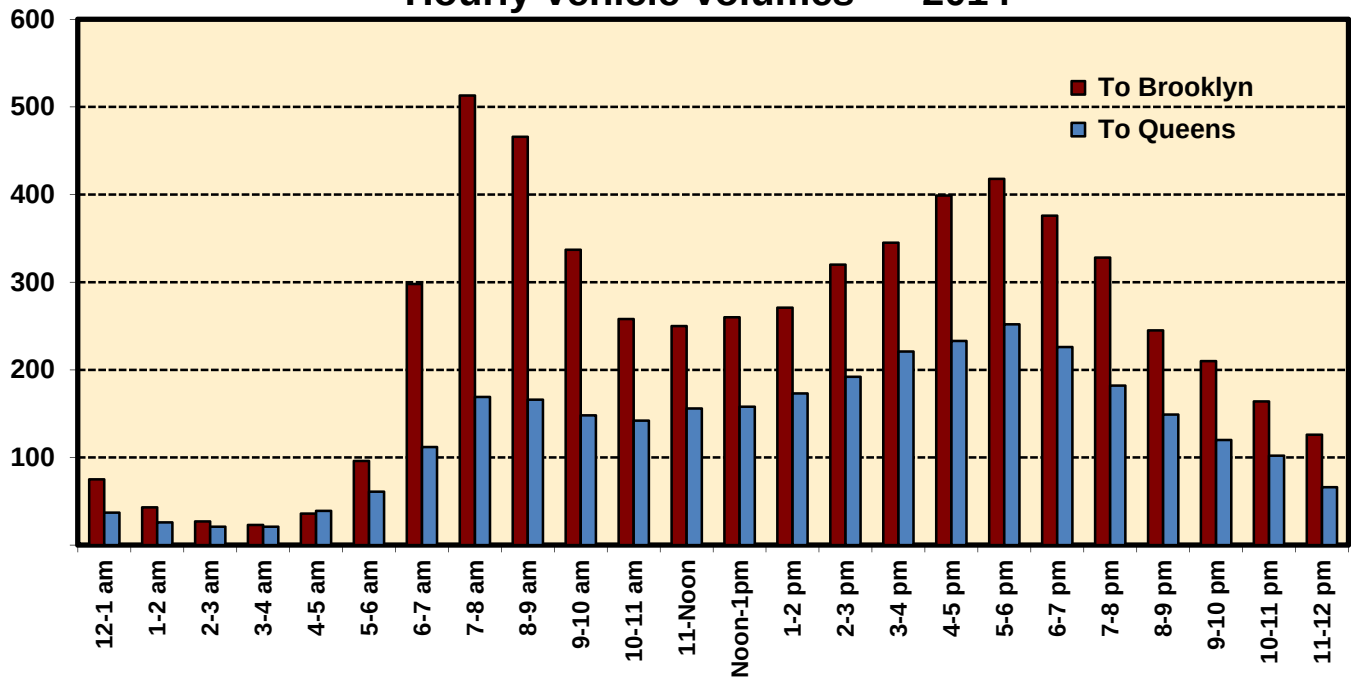


Atlantic Avenue Average Daily Traffic Volumes Total of Both Directions

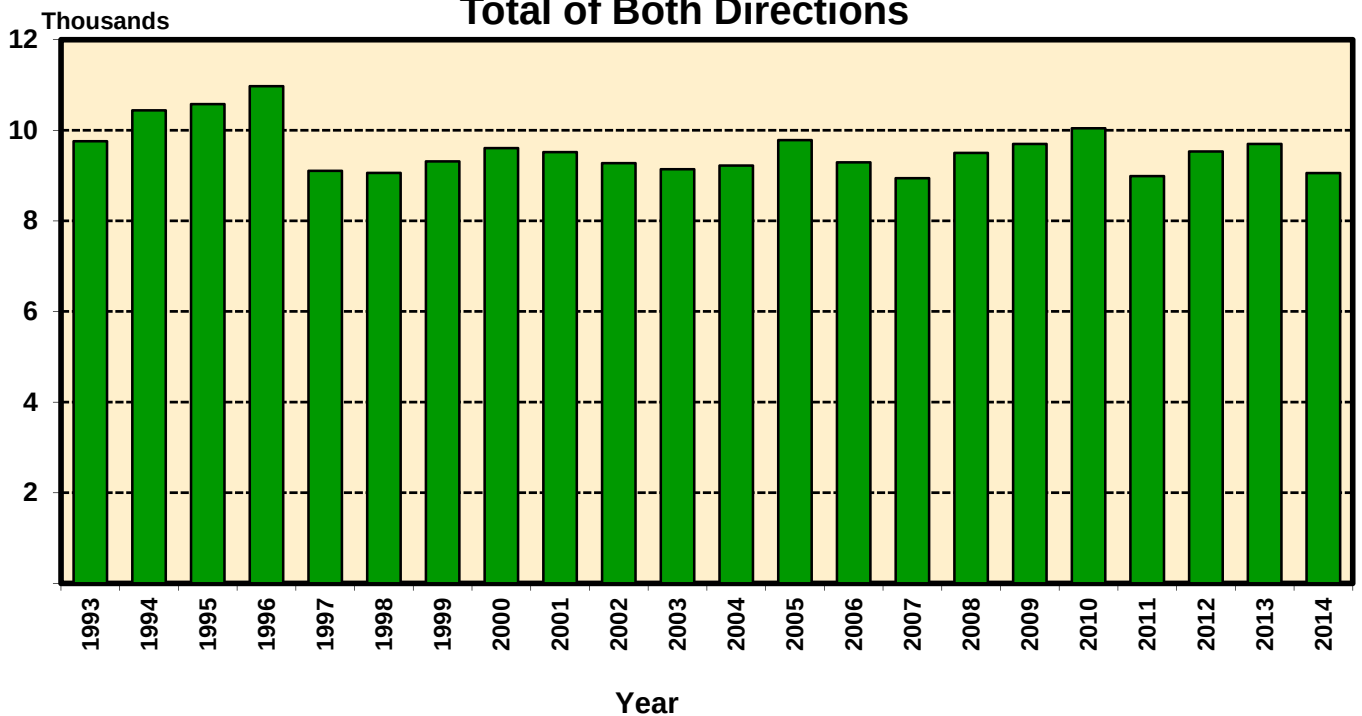


Brooklyn – Queens Screenline Volumes

Cooper Street Hourly Vehicle Volumes ~ 2014

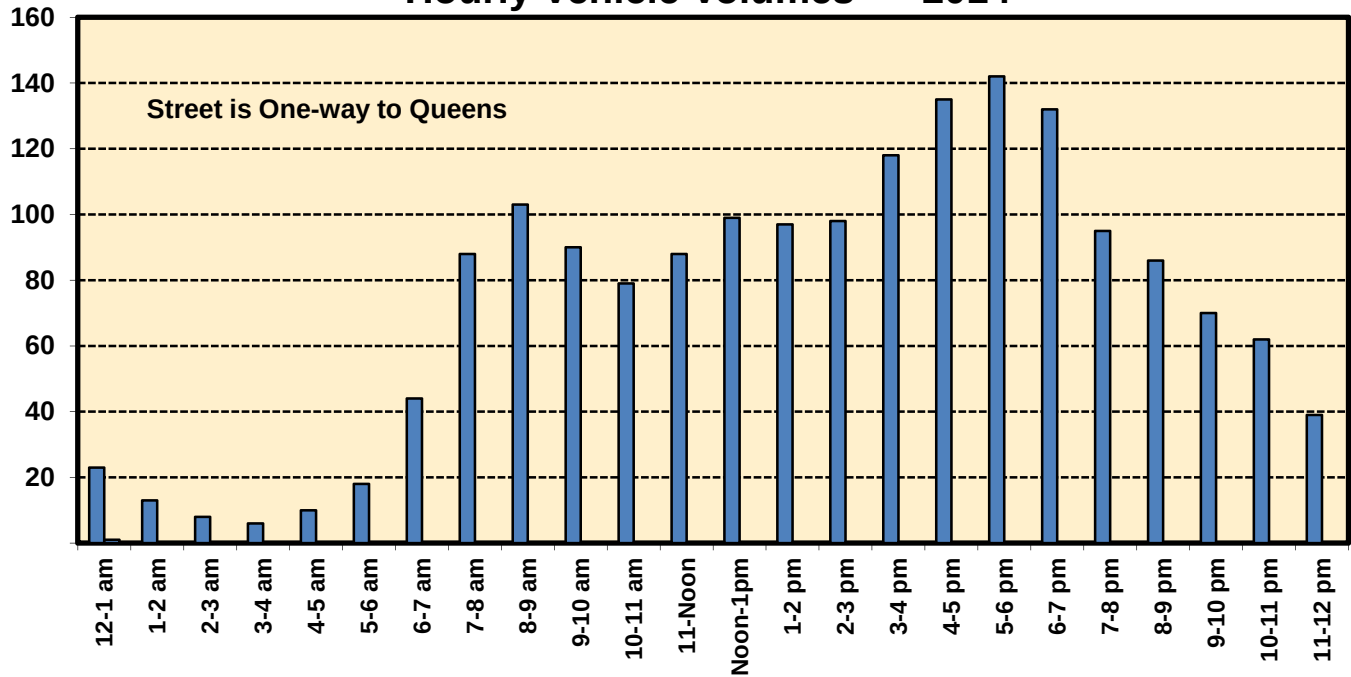


Cooper Street Average Daily Traffic Volumes Total of Both Directions

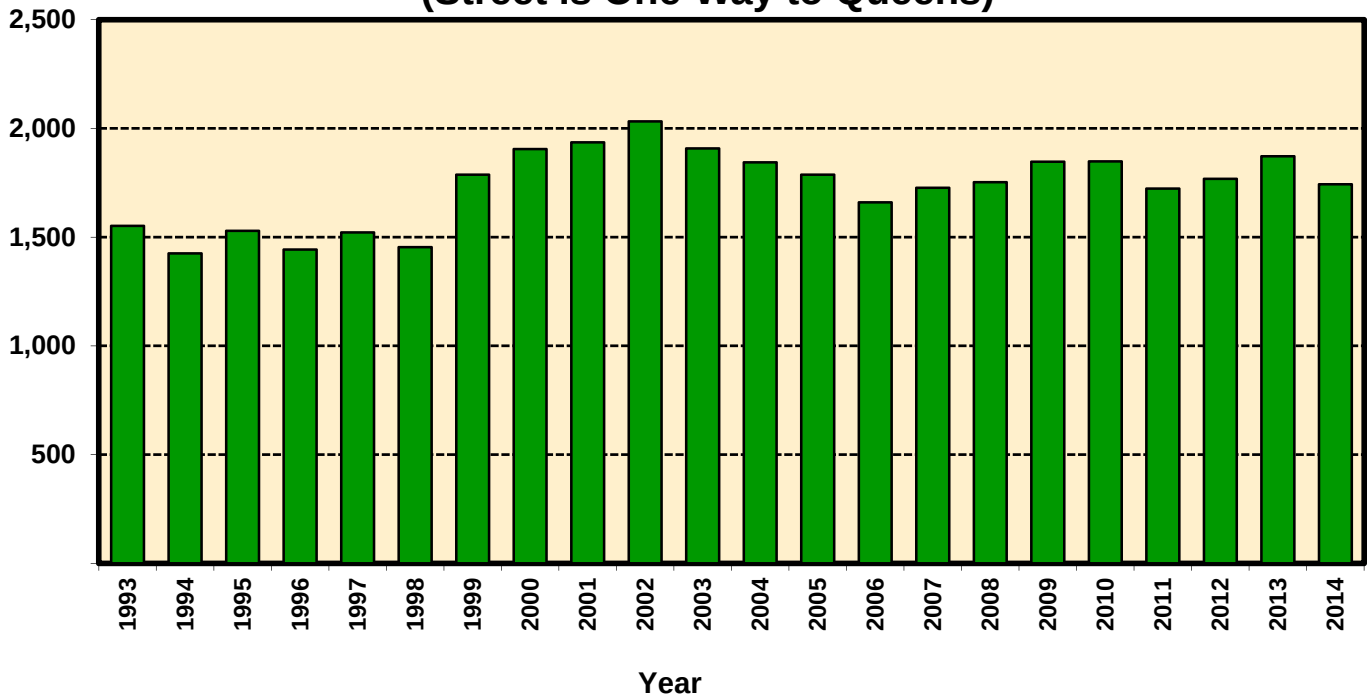


Brooklyn – Queens Screenline Volumes

Cornelia Street Hourly Vehicle Volumes ~ 2014

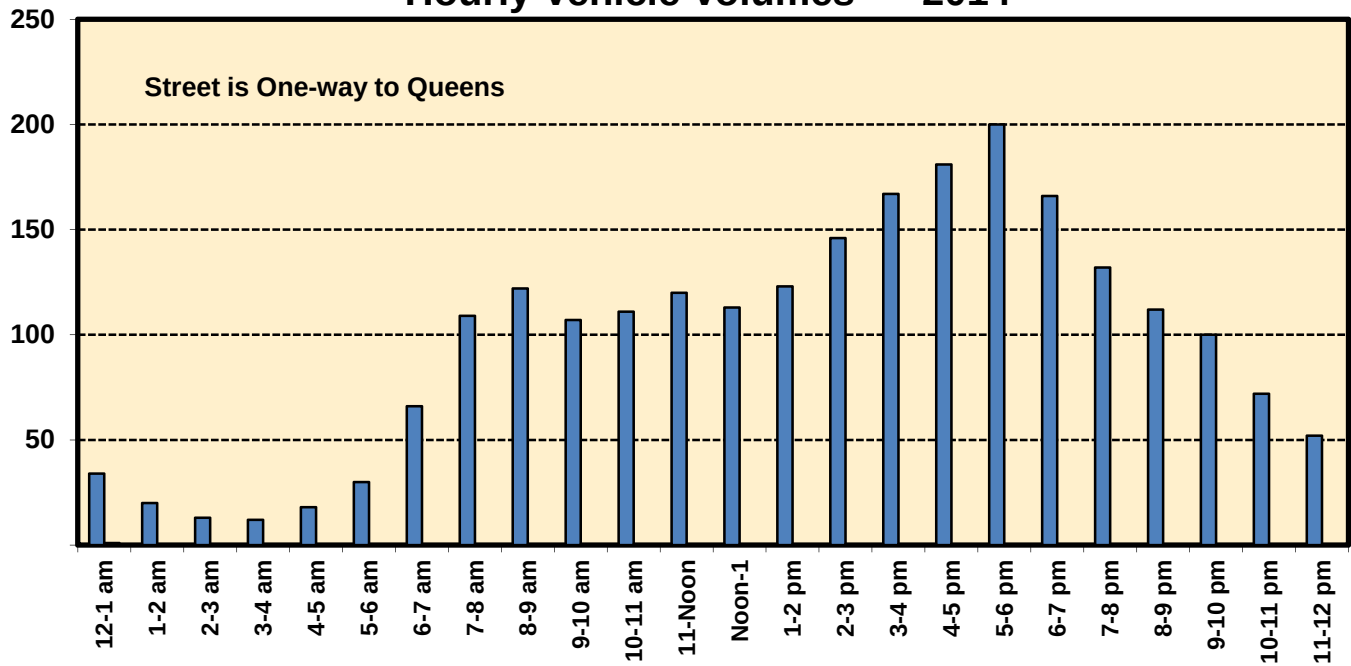


Cornelia Street Average Daily Traffic Volumes (Street is One-Way to Queens)

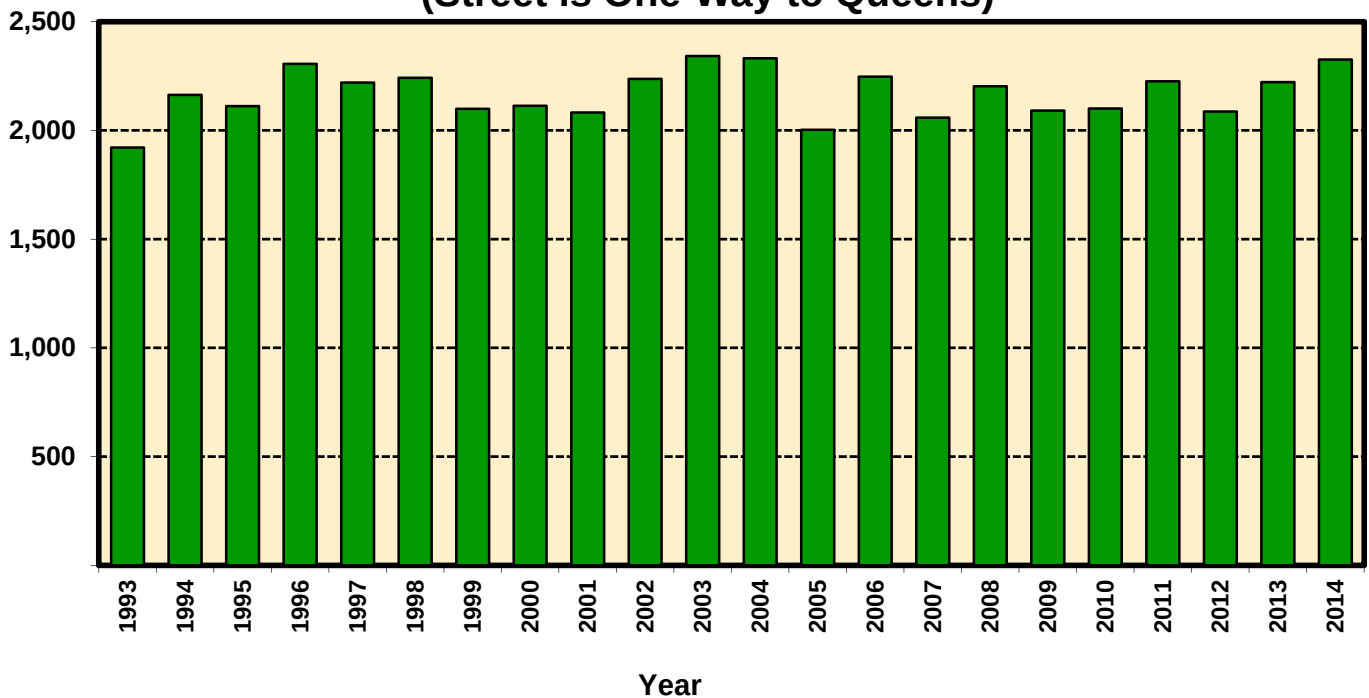


Brooklyn – Queens Screenline Volumes

Decatur Street Hourly Vehicle Volumes ~ 2014

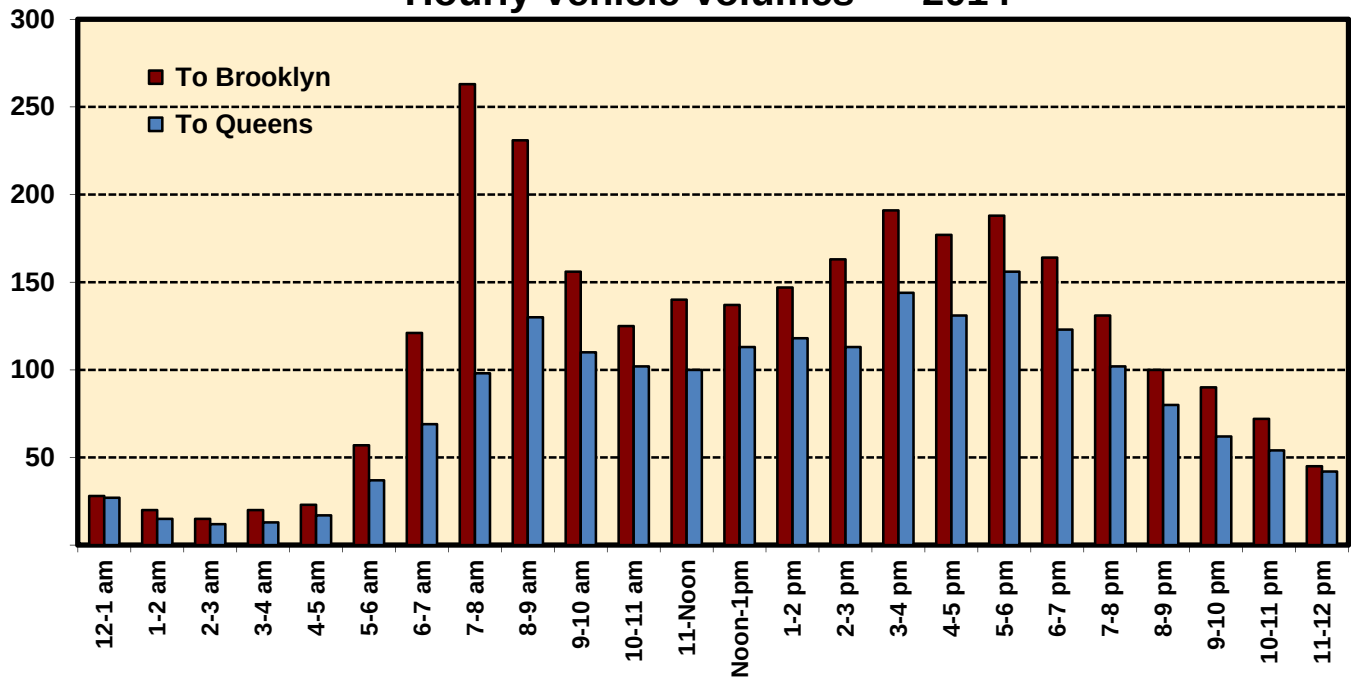


Decatur Street Average Daily Traffic Volumes (Street is One-Way to Queens)

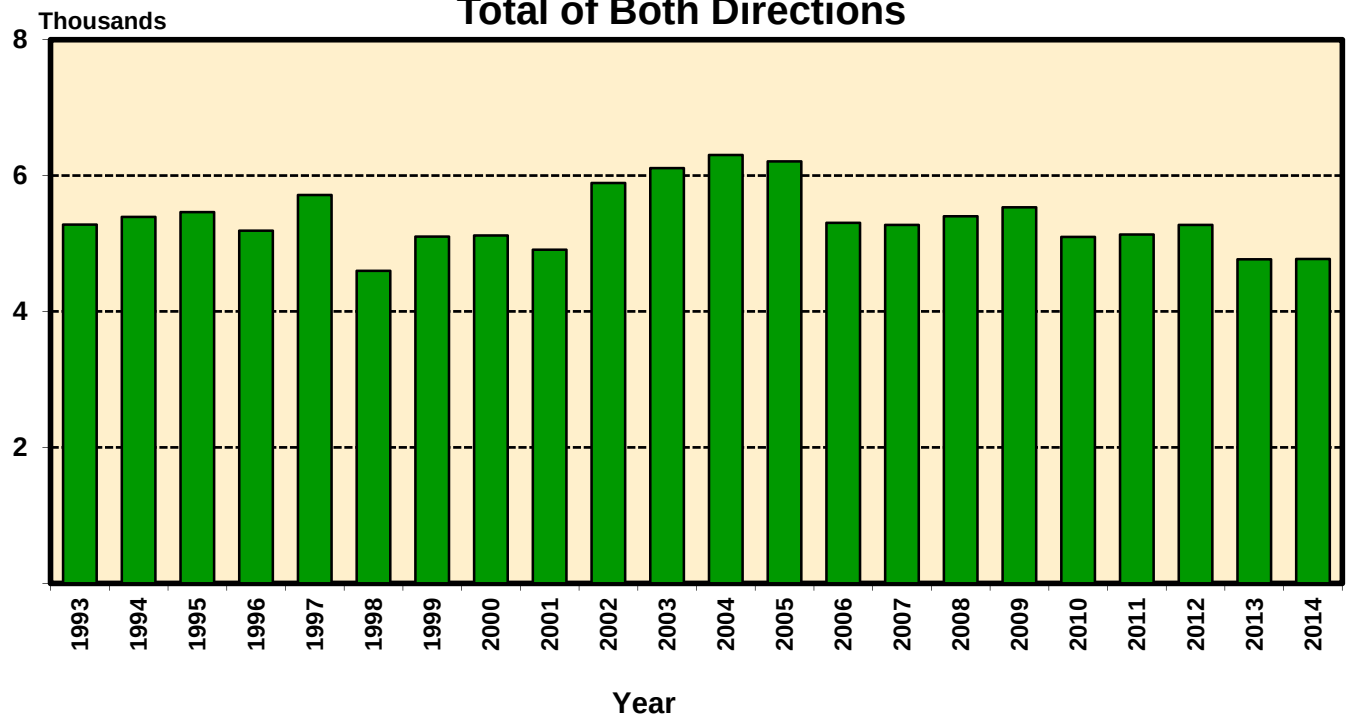


Brooklyn – Queens Screenline Volumes

DeKalb Avenue
Hourly Vehicle Volumes ~ 2014

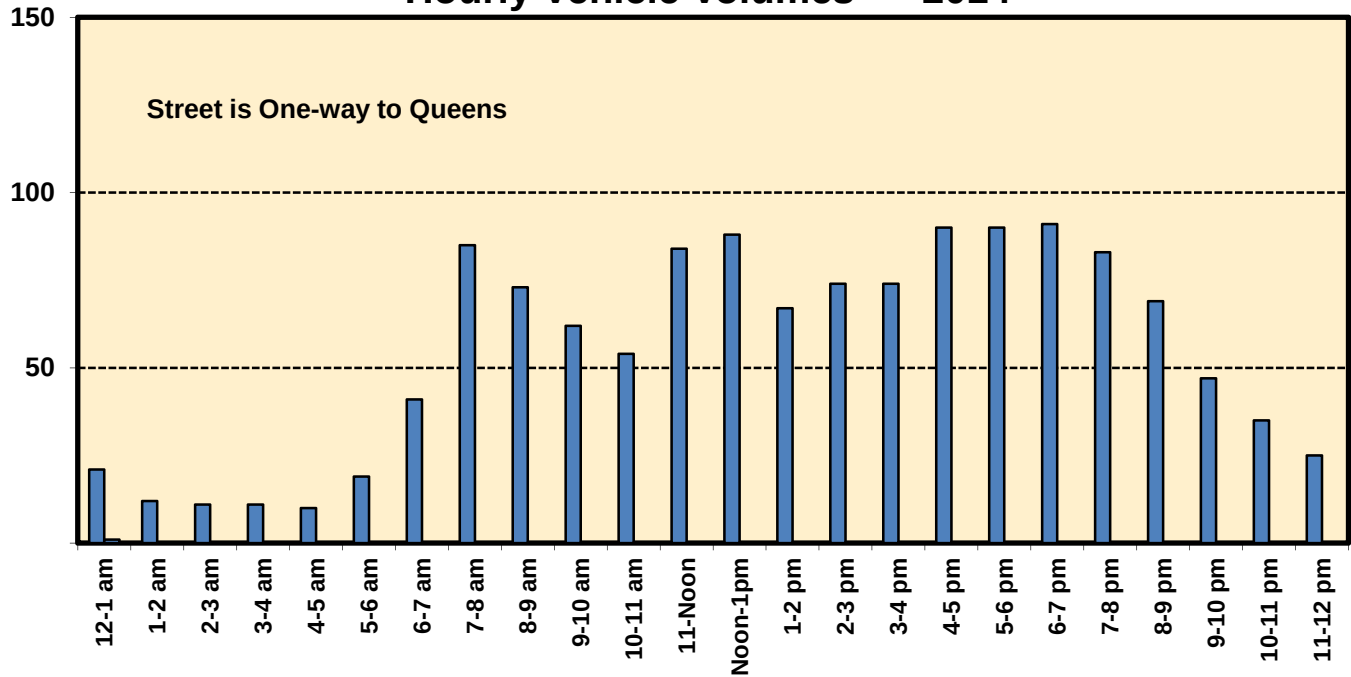


DeKalb Avenue
Average Daily Traffic Volumes
Total of Both Directions

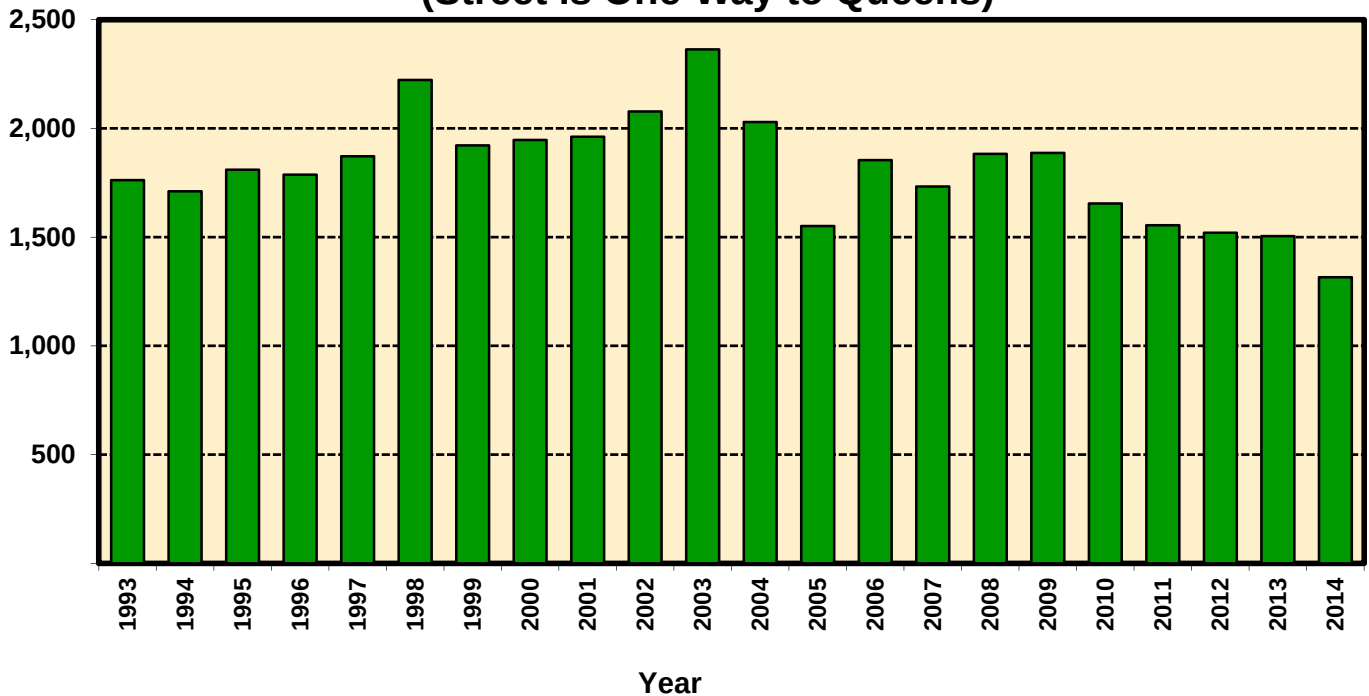


Brooklyn – Queens Screenline Volumes

Greene Avenue Hourly Vehicle Volumes ~ 2014

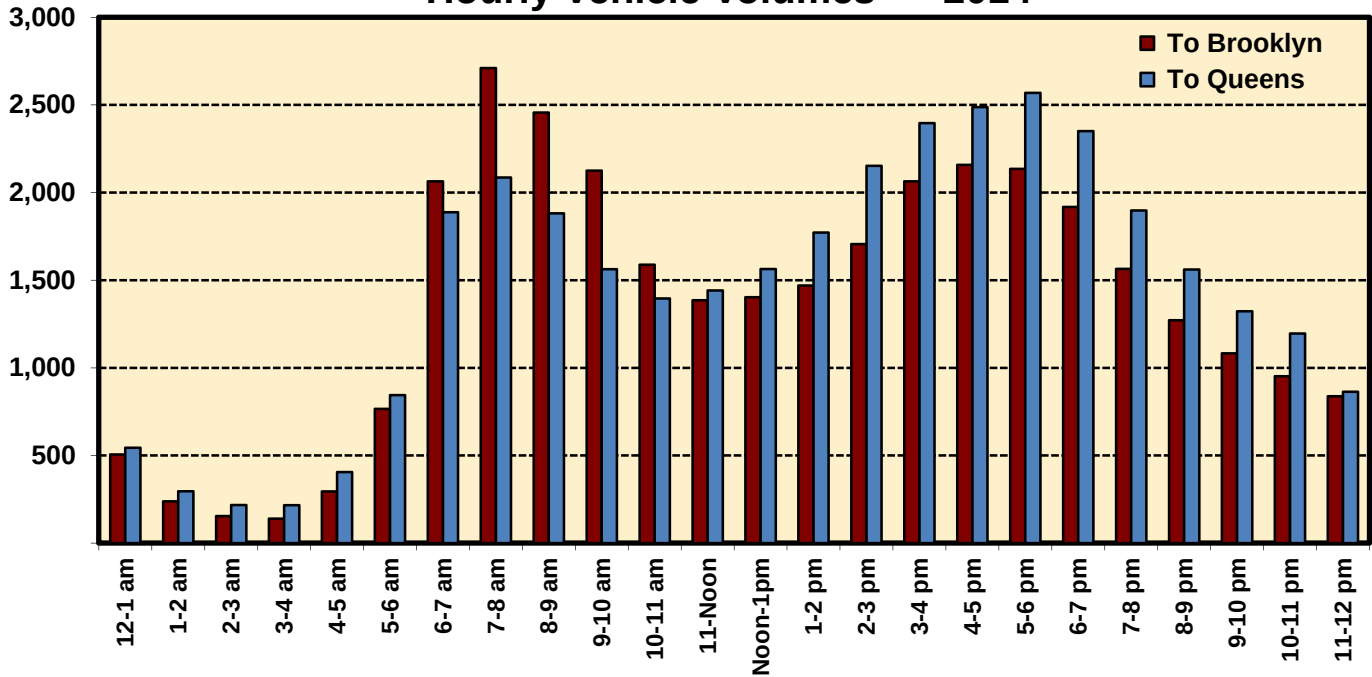


Greene Avenue Average Daily Traffic Volumes (Street is One-Way to Queens)

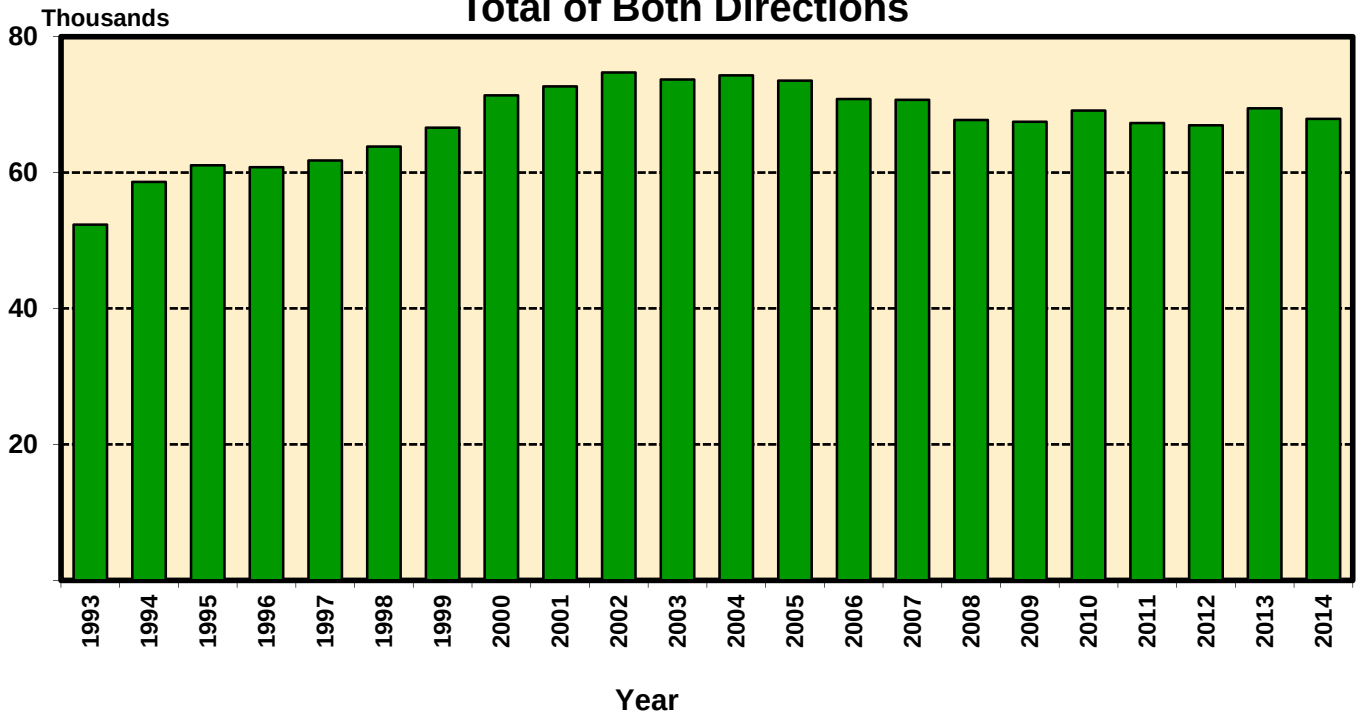


Brooklyn – Queens Screenline Volumes

Jackie Robinson Parkway Hourly Vehicle Volumes ~ 2014

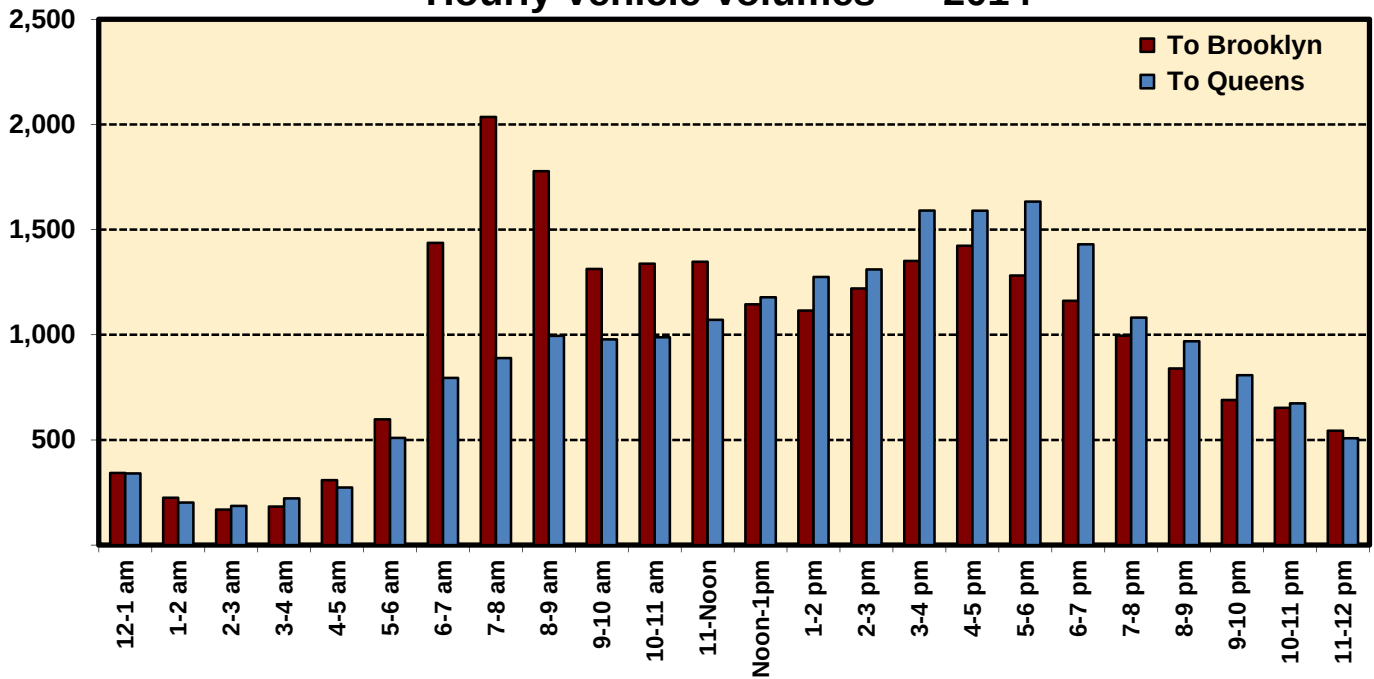


Jackie Robinson Parkway Average Daily Traffic Volumes Total of Both Directions

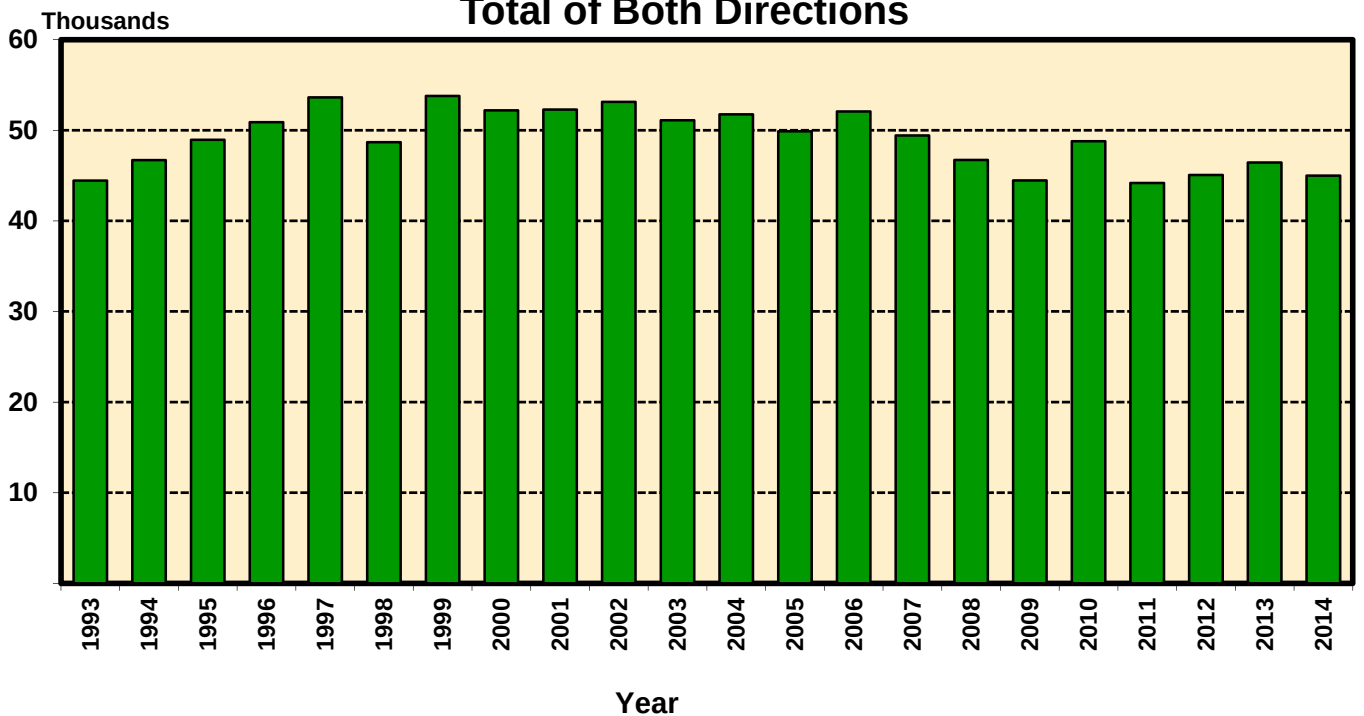


Brooklyn – Queens Screenline Volumes

Linden Boulevard Hourly Vehicle Volumes ~ 2014

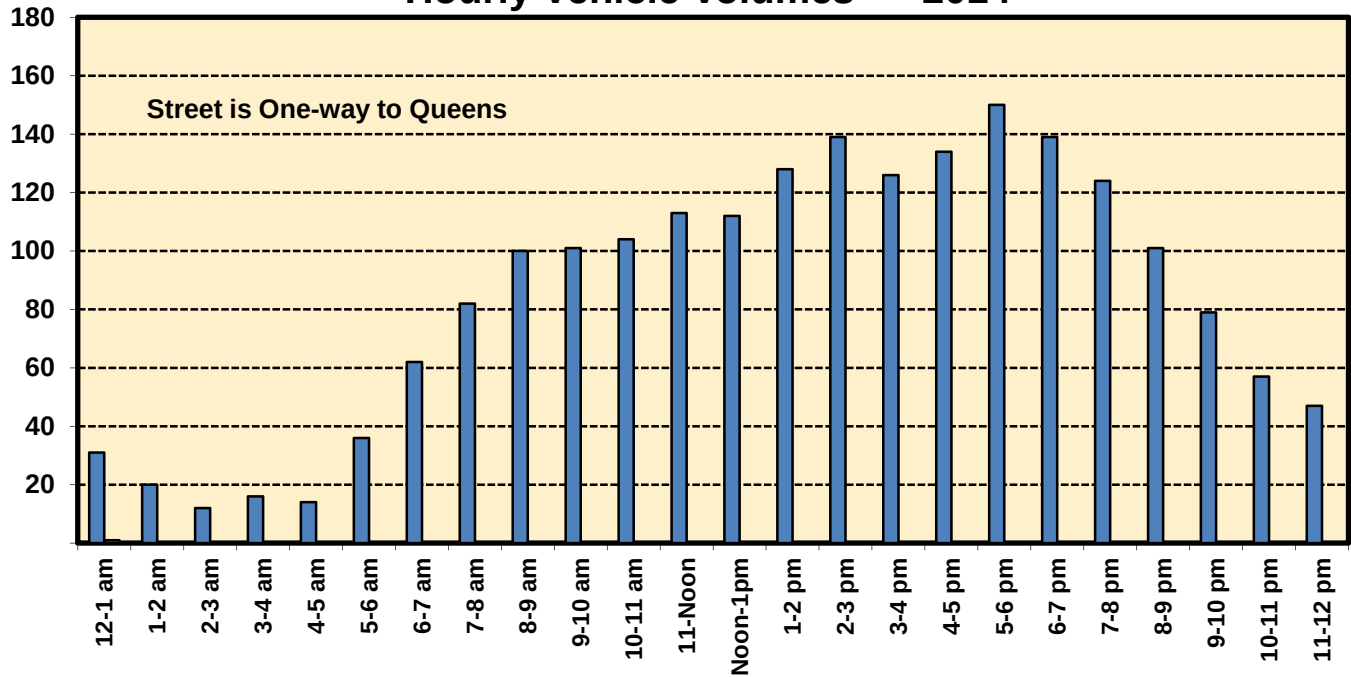


Linden Boulevard Average Daily Traffic Volumes Total of Both Directions

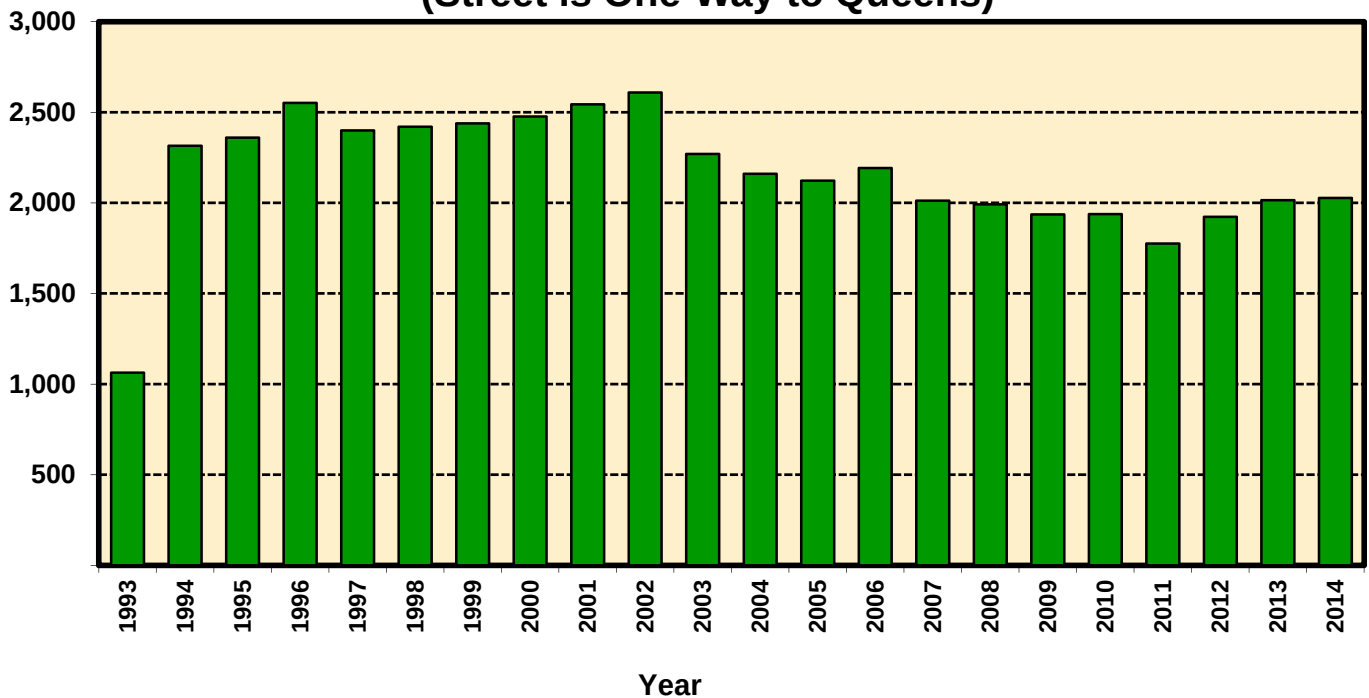


Brooklyn – Queens Screenline Volumes

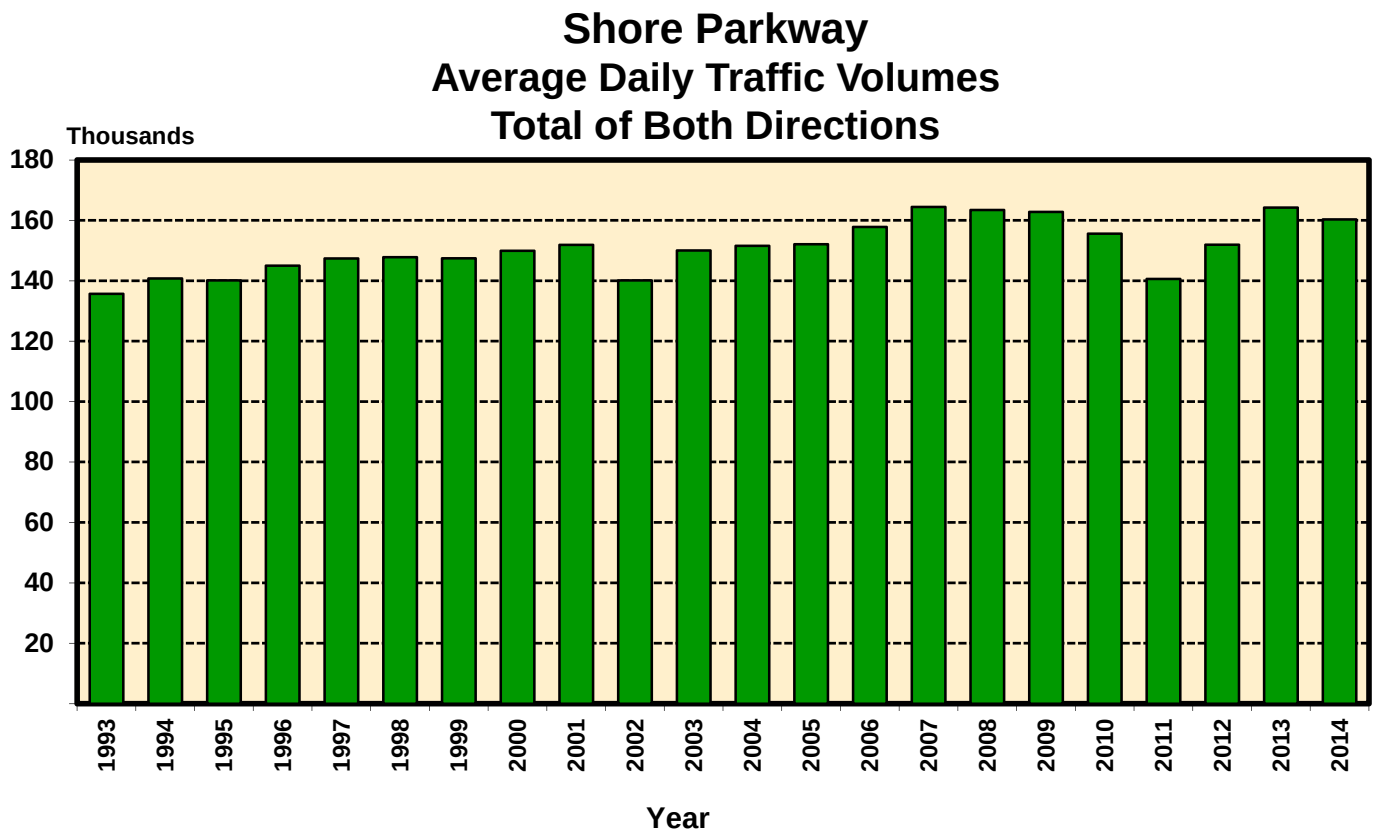
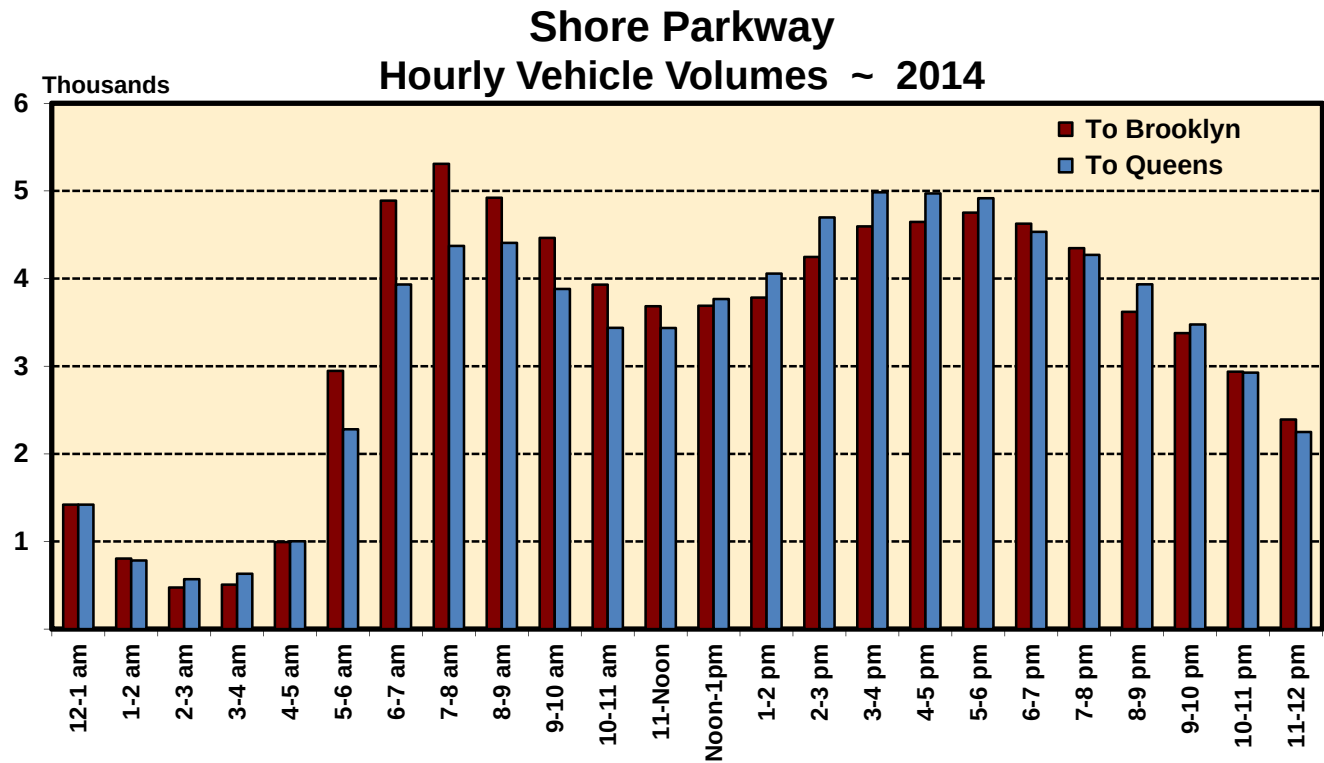
Linden Street Hourly Vehicle Volumes ~ 2014



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

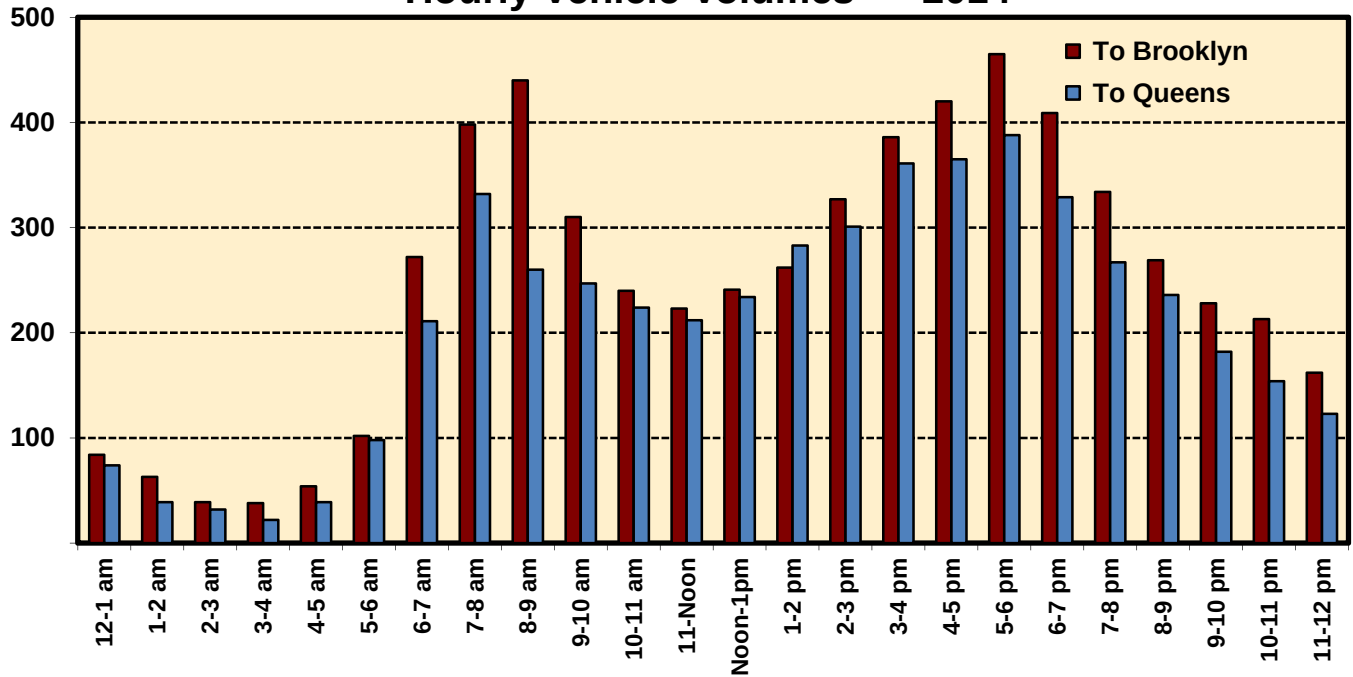


Brooklyn – Queens Screenline Volumes



Brooklyn – Queens Screenline Volumes

Sutter Avenue Hourly Vehicle Volumes ~ 2014



Sutter Avenue Average Daily Traffic Volumes Total of Both Directions

