

2015 New York City Bridge Traffic Volumes



Bill de Blasio
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A member of the New York Metropolitan Transportation Council

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NEW YORK CITY
BRIDGE TRAFFIC VOLUMES

2,661,105

vehicles per day used the 47 toll-free bridges monitored by the New York City Department of Transportation in 2015.

0.2% Decrease

from the 2,666,872 daily vehicles recorded in 2014.

2.0% Decrease

In daily volume on the 4 bridges over Newtown Creek between Brooklyn and Queens, to 260,529 in 2015 from 265,928 in 2014.

5.8% Decrease (-6,428 Daily Vehicles)

Williamsburg Bridge over the East River

Largest numerical decrease on bridges carrying more than 50,000 daily vehicles: 105,206 daily vehicles in 2015, down from 111,634 in 2014.

2.2% Increase (+4,561 Daily Vehicles)

Whitestone Expressway Bridge over the Flushing River

Largest numerical increase on bridges carrying more than 50,000 daily vehicles: 208,962 daily vehicles in 2015, up from 204,401 in 2014. This is the most heavily used of the 47 toll-free bridges monitored by the New York City Department of Transportation.



Ed Koch Queensboro Bridge over the East River

174,447 vehicles per day, the most heavily-utilized of the four East River bridges.

Alexander Hamilton Bridge over Harlem River

178,407 vehicles per day, the most heavily-utilized of the nine Harlem River bridges.

Kosciuszko Bridge over Newtown Creek

179,137 vehicles per day, the most heavily-utilized of the four bridges between Brooklyn and Queens.

Eastern Boulevard Bridge over the Bronx River

177,999 vehicles per day, the most heavily-utilized of the eight bridges in The Bronx.

Mill Basin Bridge along Belt Parkway

141,303 vehicles per day, the most heavily-utilized of the ten bridges in Brooklyn.



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Introduction



Grand Street Bridge over Newtown Creek

INTRODUCTION

The *2015 New York City Bridge Traffic Volumes* 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.

Since 1948, NYCDOT has monitored traffic flow on 47 water-crossing bridges throughout the five boroughs. This *2015 New York City Bridge Traffic Volumes* report summarizes vehicular volumes and classification data for each of these bridges. Information is also presented for the nine bridges and tunnels operated by the Metropolitan Transportation Authority Bridges and Tunnels (MTABT), and the six bridges and tunnels operated by the Port Authority of New York and New Jersey (PANYNJ).

The 47 bridges are monitored with automatic traffic recording (ATR) machines. Hourly volumes by direction for each bridge are presented in tabular form. Graphical presentations of the hourly volumes by direction are provided by histograms. Hourly classification data identifies the volumes by vehicle type. In addition, changes in the traffic volumes for all facilities over the past 67 years are shown in graphical form.

Bridge and tunnel locations are shown on maps at the beginning of the sections on the various bridge groups, e.g., East River Bridges, Harlem River Bridges, Brooklyn-Queens Bridges, etc.

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.

A more comprehensive analysis of bridges and tunnels serving Manhattan is presented in the *Manhattan River Crossings* report which also is published annually.

Each bridge and tunnel is classified under a highway functional classification system. Functional classification is the process 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 routes.

Summary



City Island Bridge

SUMMARY

2015 Volumes

- In 2015, daily traffic on the 47 bridges monitored by the New York City Department of Transportation decreased 0.2%, to 2,661,105 in 2015 from 2,666,872 in 2014.
- Daily traffic on the four East River bridges decreased 0.2%, to 468,918 in fall 2015 from 469,907 in fall 2014.
- Daily volume using the nine Harlem River bridges decreased 1.3%, to 530,808 in fall 2015 from 537,888 in fall 2014.
- Daily traffic using the four bridges over Newtown Creek between Queens and Brooklyn decreased 2.0%, to 260,529 in 2015 from 265,928 in 2014.
- On the eight bridges in The Bronx, daily traffic increased 0.4%, to 462,216 in 2015 from 460,392 in 2014.
- On the ten bridges in Brooklyn, daily traffic increased 0.4%, to 323,594 from 322,391.
- On the eleven bridges in Queens, daily traffic increased 1.2%, to 557,502 from 550,764.
- Daily traffic on the Fresh Kills Bridge in Staten Island decreased 3.5%, to 57,538 from 59,602.

Most Heavily Used City-Operated Bridges in 2015

- Whitestone Expressway Bridge over the Flushing River in Queens (208,962 vehicles per day).
- Kosciuszko Bridge over Newtown Creek between Brooklyn and Queens (179,137 vehicles per day).
- Alexander Hamilton Bridge over the Harlem River between Manhattan and The Bronx (178,407 vehicles per day).
- Eastern Boulevard Bridge over the Bronx River in The Bronx (177,999 vehicles per day).
- Ed Koch Queensboro Bridge over the East River between Manhattan and Queens (174,447 vehicles per day).
- Mill Basin Bridge along Belt Parkway in Brooklyn (141,303 vehicles per day).
- Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx (124,390 vehicles per day).
- Williamsburg Bridge over the East River between Manhattan and Brooklyn (105,206 vehicles per day).
- Brooklyn Bridge over the East River between Manhattan and Brooklyn (102,219 vehicles per day).

Major Increases

- Whitestone Expressway Bridge over the Flushing River in Queens: up 4,561 daily vehicles, to 208,962 in 2015 from 204,401 in 2014 (+2.2%).
- Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx: up 3,109 daily vehicles, to 124,390 from 121,281 (+2.6%).
- Manhattan Bridge over the East River between Brooklyn and Manhattan: up 2,998 daily vehicles, to 87,046 from 84,048 (+3.6%).
- Brooklyn Bridge over the East River between Brooklyn and Manhattan: up 2,233 daily vehicles, to 102,219 from 99,986 (+2.2%).

Major Decreases

- Williamsburg Bridge over the East River between Brooklyn and Manhattan: down 6,428 daily vehicles, to 105,206 in 2015 from 111,634 in 2014 (-5.8%).
- Kosciuszko Bridge on the Brooklyn-Queens Expressway over Newtown Creek between Brooklyn and Queens: down 4,888 daily vehicles, to 179,137 in 2015 from 184,025 in 2014 (-2.7%).
- Willis Avenue Bridge over the Harlem River between Manhattan and The Bronx: down 4,039 daily vehicles, to 63,912 in 2015 from 67,951 in 2014 (-5.9%).
- Third Avenue Bridge over the Harlem River between Manhattan and The Bronx: down 2,459 daily vehicles, to 55,988 from 58,447 (-4.2%).

2014-2015 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
Page 1 of 3

EAST RIVER BRIDGES	Highway Functional Classification	2014	2015	Percent Change
Brooklyn Bridge	Principal Arterial	99,986	102,219	2.2 %
Ed Koch Queensboro Bridge *	Principal Arterial	174,239	174,447	0.1 %
Manhattan Bridge	Principal Arterial	84,048	87,046	3.6 %
Williamsburg Bridge	Principal Arterial	111,634	105,206	- 5.8 %
Total, 4 East River Bridges		469,907	468,918	- 0.2 %

HARLEM RIVER BRIDGES				
Alexander Hamilton Bridge	Interstate	178,809	178,407	- 0.2 %
Broadway Bridge	Principal Arterial	34,239	33,897	- 1.0 %
Macombs Dam Bridge	Principal Arterial	38,417	38,556	0.4 %
Madison Avenue Bridge	Principal Arterial	41,340	40,432	- 2.2 %
Third Avenue Bridge	Principal Arterial	58,447	55,988	- 4.2 %
University Heights Bridge	Principal Arterial	37,791	38,513	1.9 %
Washington Bridge	Minor Arterial	52,537	54,006	2.8 %
Willis Avenue Bridge	Principal Arterial	67,951	63,912	- 5.9 %
145th Street Bridge	Minor Arterial	28,357	27,097	- 4.4 %
Total, 9 Harlem River Bridges		537,888	530,808	- 1.3 %

BROOKLYN-QUEENS BRIDGES				
Grand Street Bridge	Principal Arterial	13,662	12,546	- 8.2 %
J.J. Byrne Memorial Bridge **	Principal Arterial	27,836	28,361	1.9 %
Kosciuszko Bridge	Interstate	184,025	179,137	- 2.7 %
Pulaski Bridge	Principal Arterial	40,405	40,485	0.2 %
Total, 4 Brooklyn-Queens Bridges (Over Newtown Creek)		265,928	260,529	- 2.0 %

BRONX BRIDGES				
City Island Bridge	Minor Arterial	15,915	15,292	- 3.9 %
East 174th Street Bridge	Minor Arterial	16,144	16,556	2.6 %
Eastchester Bridge	Principal Arterial	24,071	22,317	- 7.3 %
Eastern Boulevard Bridge	Interstate	176,945	177,999	0.6 %
Hutchinson River Parkway Bridge	Principal Arterial	121,281	124,390	2.6 %
Pelham Bridge	Minor Arterial	18,117	17,241	- 4.8 %
Unionport Bridge	Principal Arterial	62,715	62,410	- 0.5 %
Westchester Avenue Bridge	Principal Arterial	25,204	26,011	3.2 %
Total, 8 Bronx Bridges		460,392	462,216	0.4 %

* Queensboro Bridge renamed April 11, 2011.

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

2014-2015 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
Page 2 of 3

BROOKLYN BRIDGES	Highway Functional Classification	2014	2015	Percent Change
Carroll Street Bridge	Local	1,106	1,238	11.9 %
Cropsey Avenue Bridge	Principal Arterial	33,373	33,433	0.2 %
Hamilton Avenue Bridge	Principal Arterial	54,250	55,266	1.9 %
Metropolitan Avenue Bridge	Principal Arterial	39,620	38,191	- 3.6 %
Mill Basin Bridge	Principal Arterial	141,150	141,303	0.1 %
Ninth Street Bridge	Minor Arterial	11,020	11,549	4.8 %
Stillwell Avenue Bridge	Principal Arterial	8,569	8,917	4.1 %
Third Avenue Bridge	Principal Arterial	18,227	18,179	- 0.3 %
Third Street Bridge	Minor Arterial	10,299	11,160	8.4 %
Union Street Bridge	Minor Arterial	4,777	4,358	- 8.8 %
Total, 10 Brooklyn Bridges		322,391	323,594	0.4 %
QUEENS BRIDGES				
Borden Avenue Bridge	Minor Arterial	13,274	13,615	2.6 %
Flushing Bridge	Principal Arterial	52,437	53,778	2.6 %
Hook Creek Bridge	Principal Arterial	73,993	75,001	1.4 %
Hunters Point Bridge	Collector	7,960	7,598	- 4.5 %
Joseph P. Addabbo Bridge *	Principal Arterial	24,854	25,025	0.7 %
Little Neck Bridge	Principal Arterial	47,825	48,337	1.1 %
Midtown Highway Bridge	Interstate	87,878	84,989	- 3.3 %
Rikers Island Bridge	Collector	13,578	13,780	1.5 %
Roosevelt Avenue Bridge	Principal Arterial	16,352	17,834	9.1 %
Roosevelt Island Bridge	Collector	8,212	8,583	4.5 %
Whitestone Expwy Bridge	Interstate	204,401	208,962	2.2 %
Total, 11 Queens Bridges		550,764	557,502	1.2 %
STATEN ISLAND				
Fresh Kills Bridge	Principal Arterial	59,602	57,538	- 3.5 %
TOLL-FREE GRAND TOTALS		2,666,872	2,661,105	- 0.2 %

* Joseph P. Addabbo Bridge also known as North Channel Bridge.

2014-2015 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
Page 3 of 3

MTABT Manhattan Facilities	Highway Functional Classification	2014	2015	Percent Change
Henry Hudson Bridge	Principal Arterial	58,809	62,554	6.4 %
Hugh L. Carey Tunnel *	Interstate	54,007	57,299	6.1 %
Queens-Midtown Tunnel	Interstate	86,081	86,217	0.2 %
R.F.K. Memorial Bridge Manhattan Plaza **	Principal Arterial	91,509	91,724	0.2 %
Total, 4 MTABT Manhattan Crossings		290,406	297,794	2.5 %

PANYNJ Manhattan Facilities

George Washington Bridge	Interstate	280,784	295,120	5.1 %
Holland Tunnel	Interstate	87,232	89,367	2.4 %
Lincoln Tunnel	Principal Arterial	109,796	113,783	3.6 %
Total, 3 PANYNJ Manhattan - New Jersey Crossings		477,812	498,270	4.3 %

MTABT Outer Borough Bridges

Bronx-Whitestone Bridge	Interstate	104,509	109,862	5.1 %
Cross Bay Veterans Memorial Bridge	Minor Arterial	21,953	23,393	6.6 %
Marine Parkway Gil Hodges Memorial Bridge	Minor Arterial	21,217	22,626	6.6 %
R.F.K. Memorial Bridge Bronx Plaza **	Interstate	82,084	84,220	2.6 %
Throgs Neck Bridge	Interstate	112,548	116,658	3.7 %
Verrazano-Narrows Bridge	Interstate	187,438	198,123	5.7 %
Total, 6 MTABT Outer Borough Bridges		529,749	554,882	4.7 %

PANYNJ Staten Island Bridges

Bayonne Bridge	Principal Arterial	15,166	10,840	- 28.5 %
Goethals Bridge	Interstate	70,419	78,605	11.6 %
Outerbridge Crossing	Principal Arterial	70,033	73,773	5.3 %
Total, 3 PANYNJ Staten Island - New Jersey Bridges		155,618	163,218	4.9 %

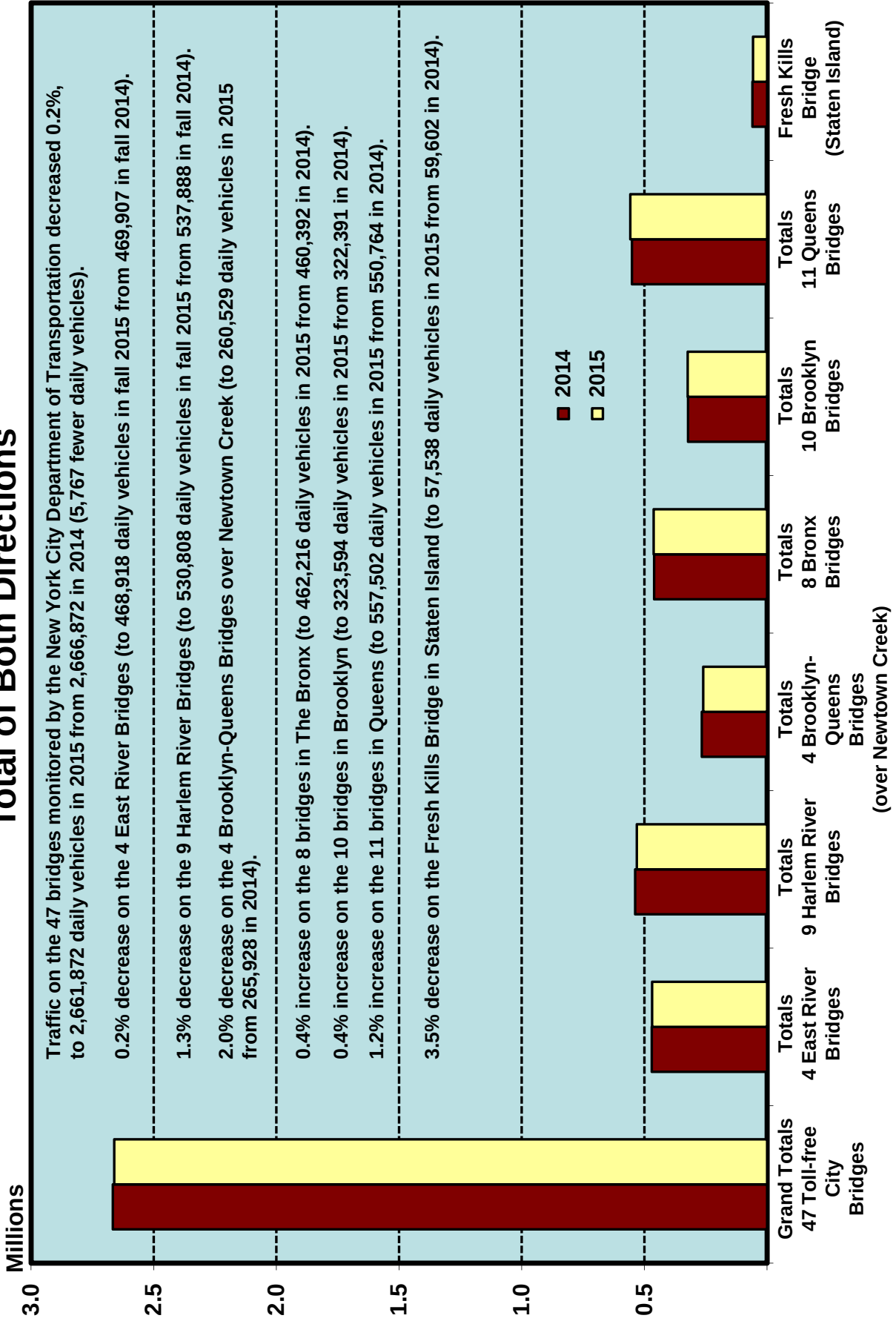
* Formerly Brooklyn-Battery Tunnel, renamed October 22, 2012.

** Formerly Triborough Bridge, renamed November 19, 2008.

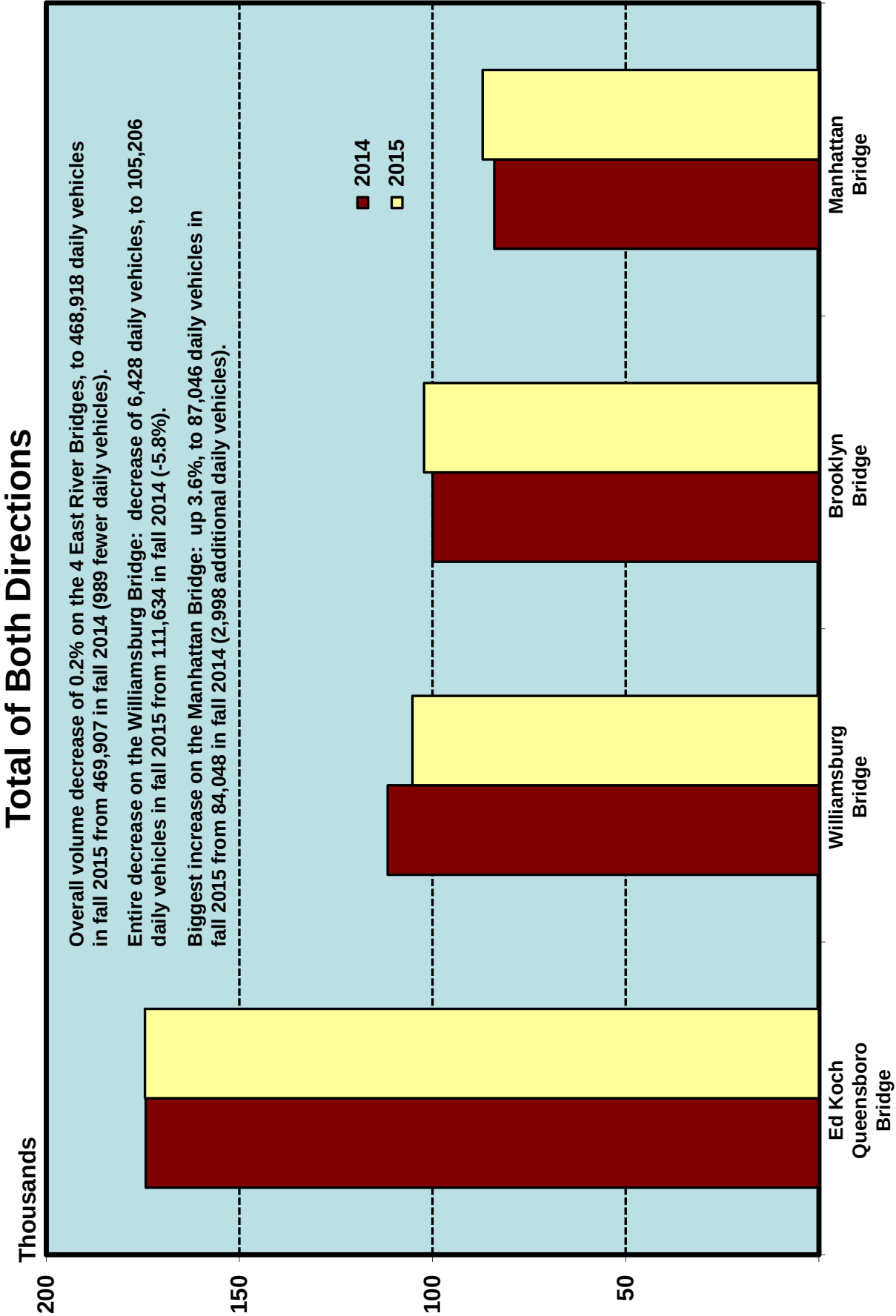
New York City Toll-free Bridges Daily Volumes

2015 vs. 2014

Total of Both Directions

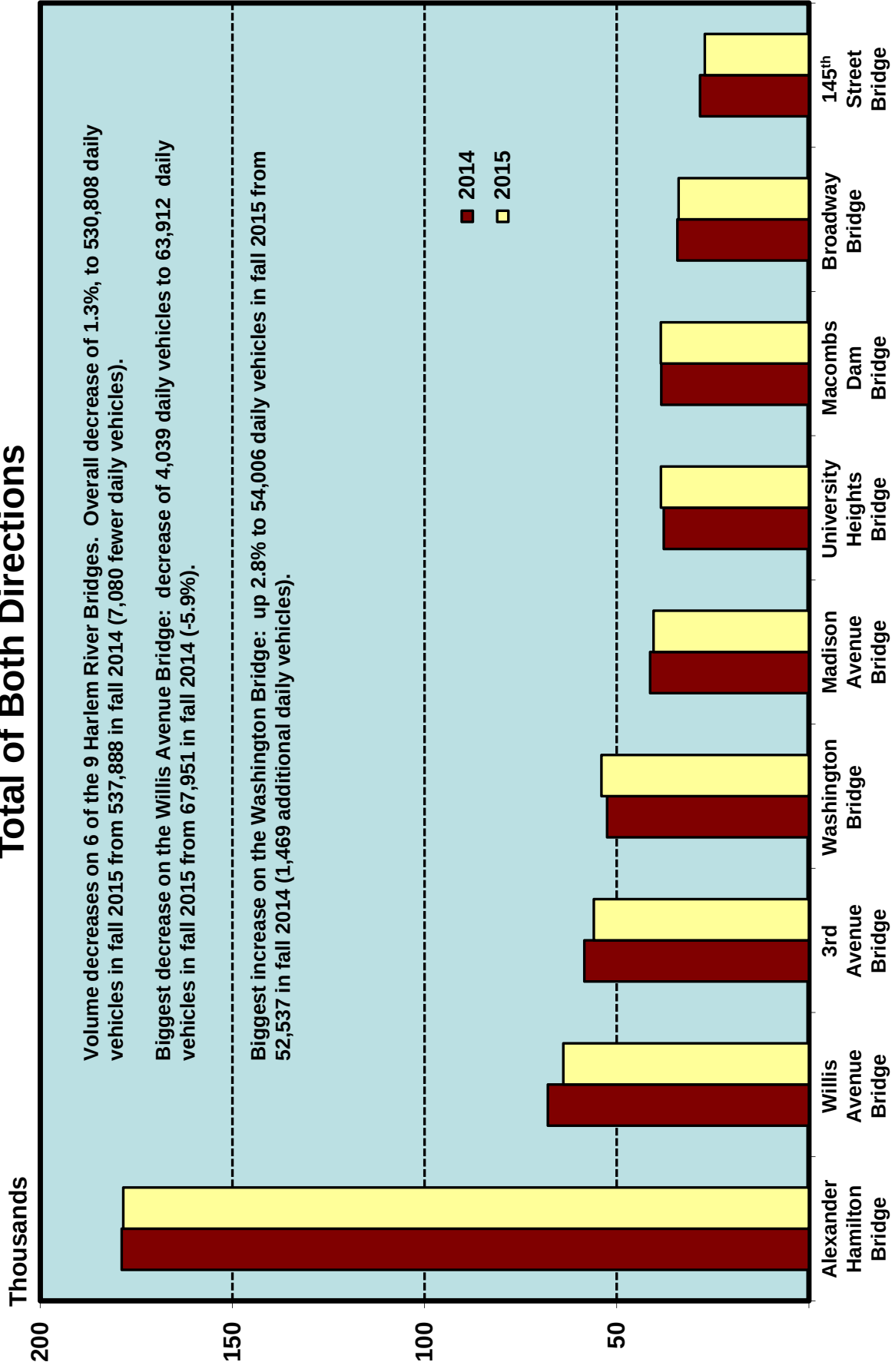


East River Bridges Daily Volumes 2015 vs. 2014

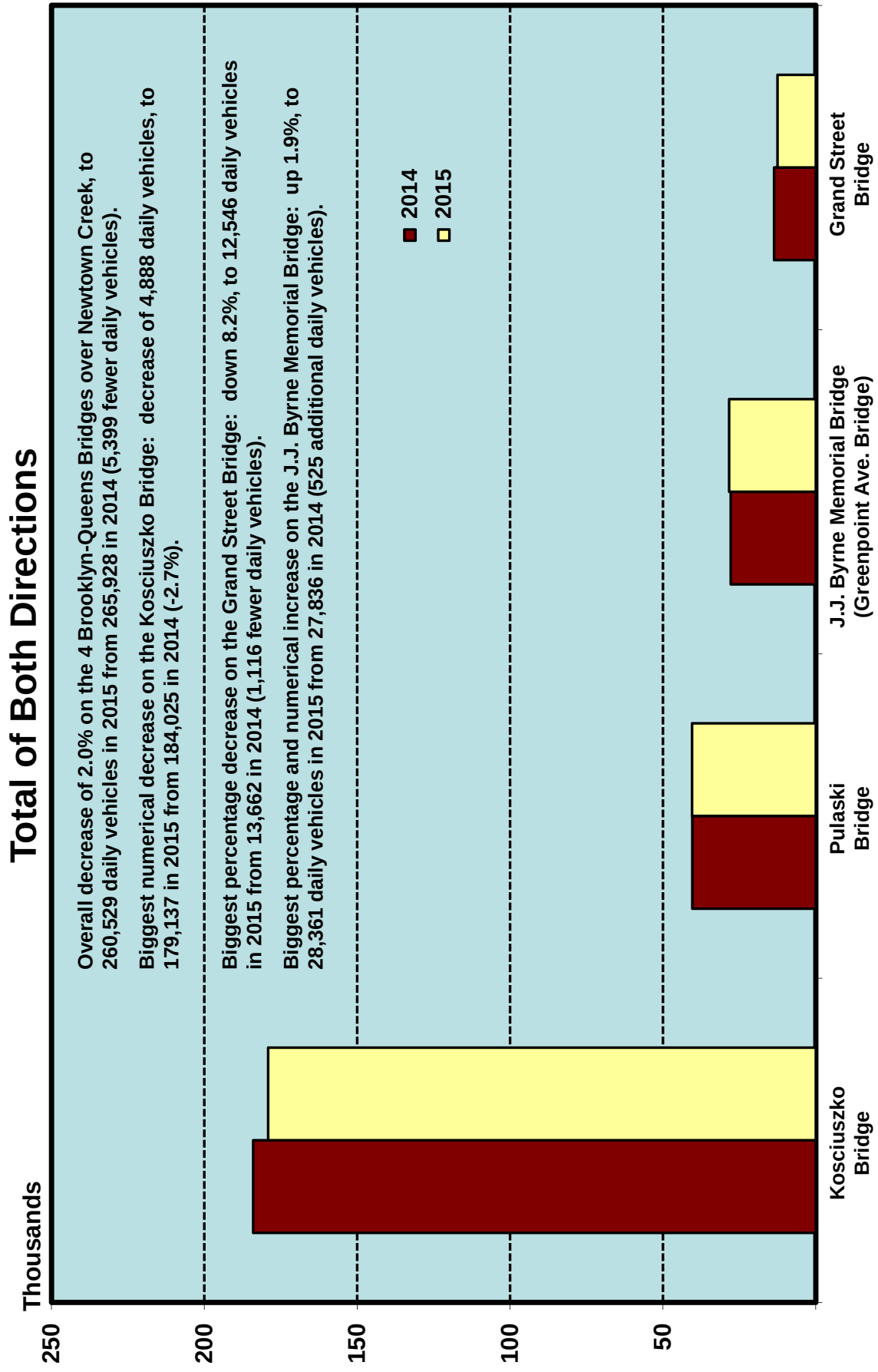


Harlem River Bridges Daily Volumes 2015 vs. 2014

Total of Both Directions



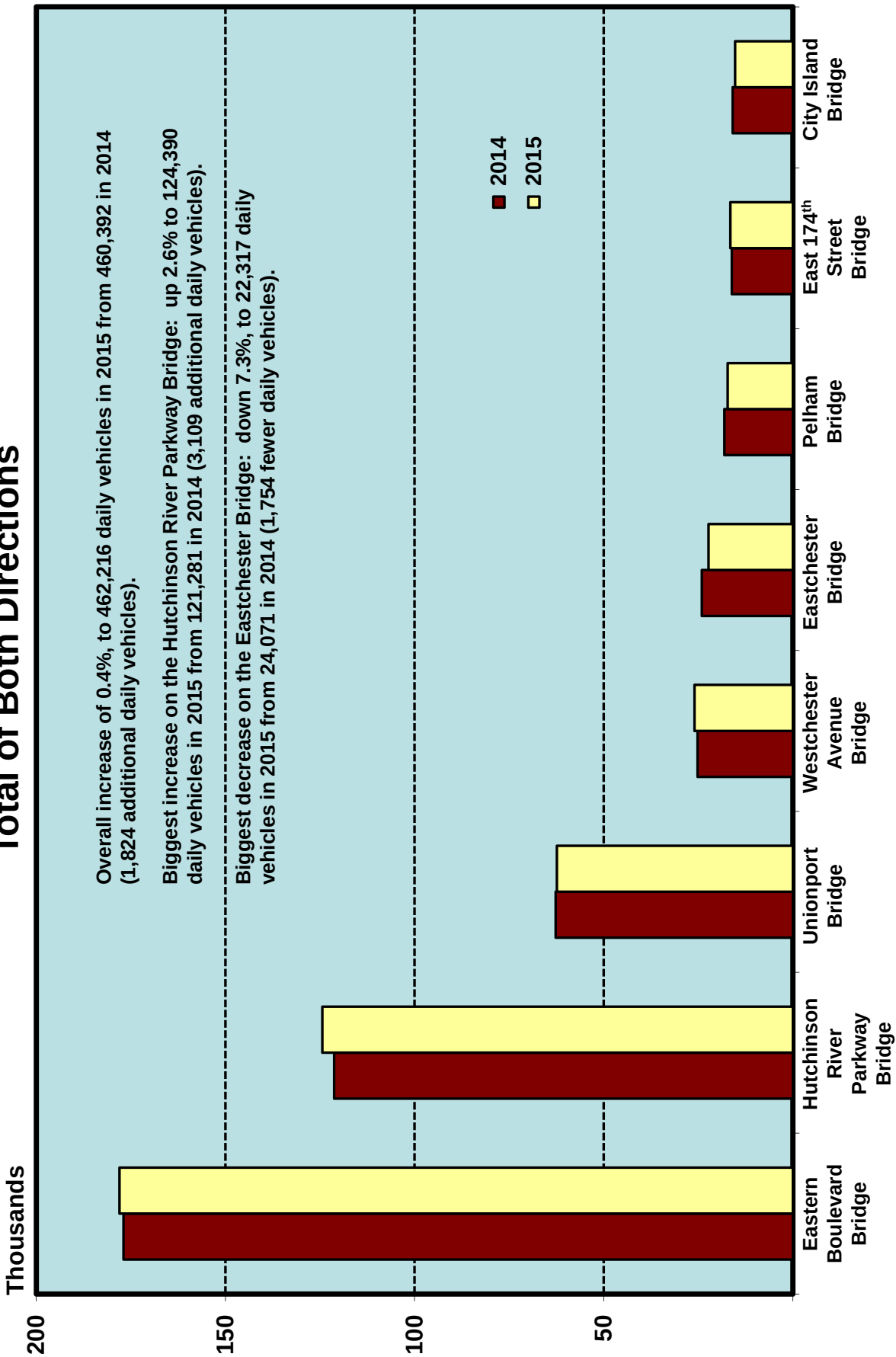
Brooklyn-Queens (Newtown Creek) Bridges Daily Volumes 2015 vs. 2014



Bronx Bridges Daily Volumes

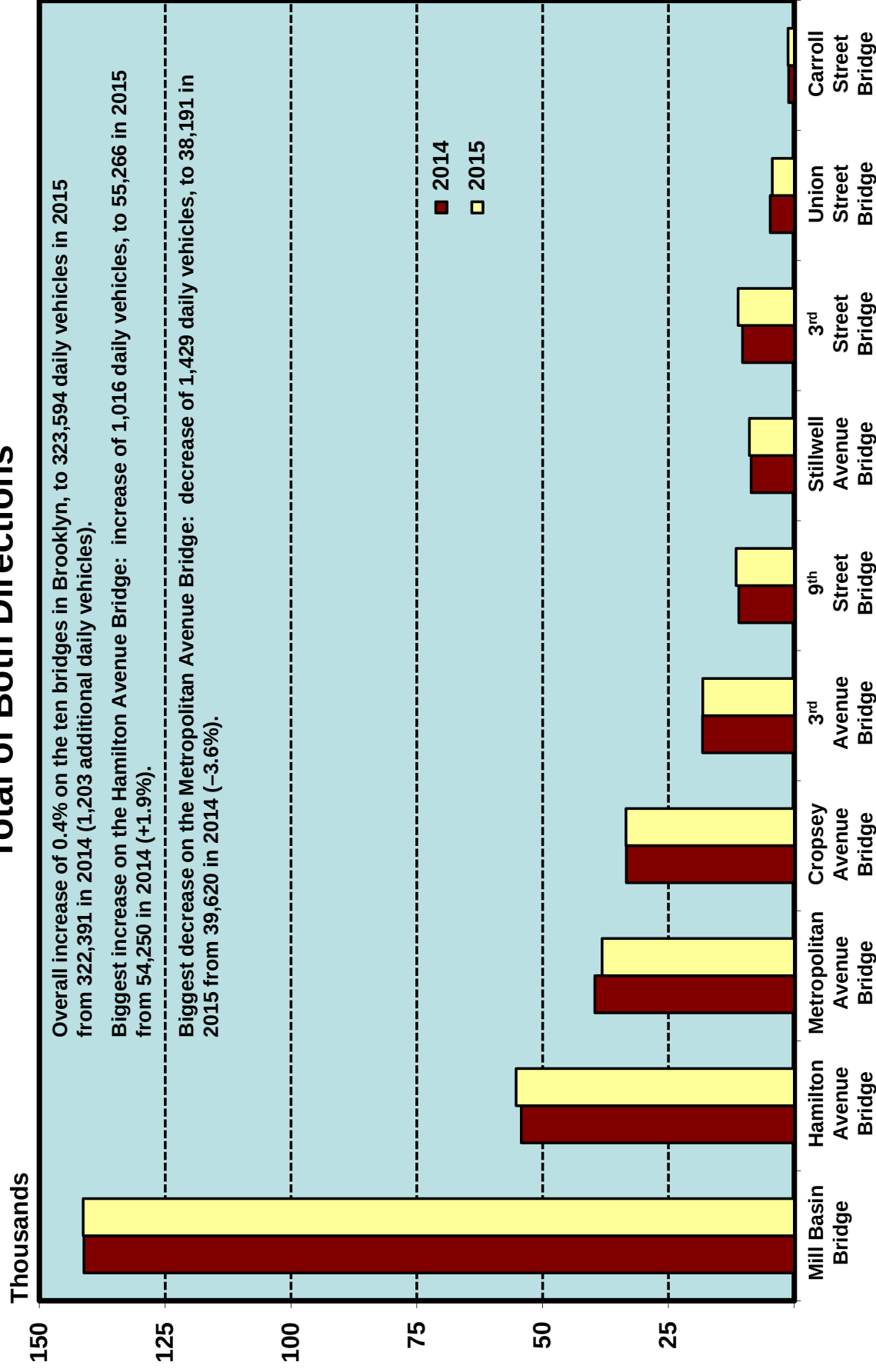
2015 vs. 2014

Total of Both Directions



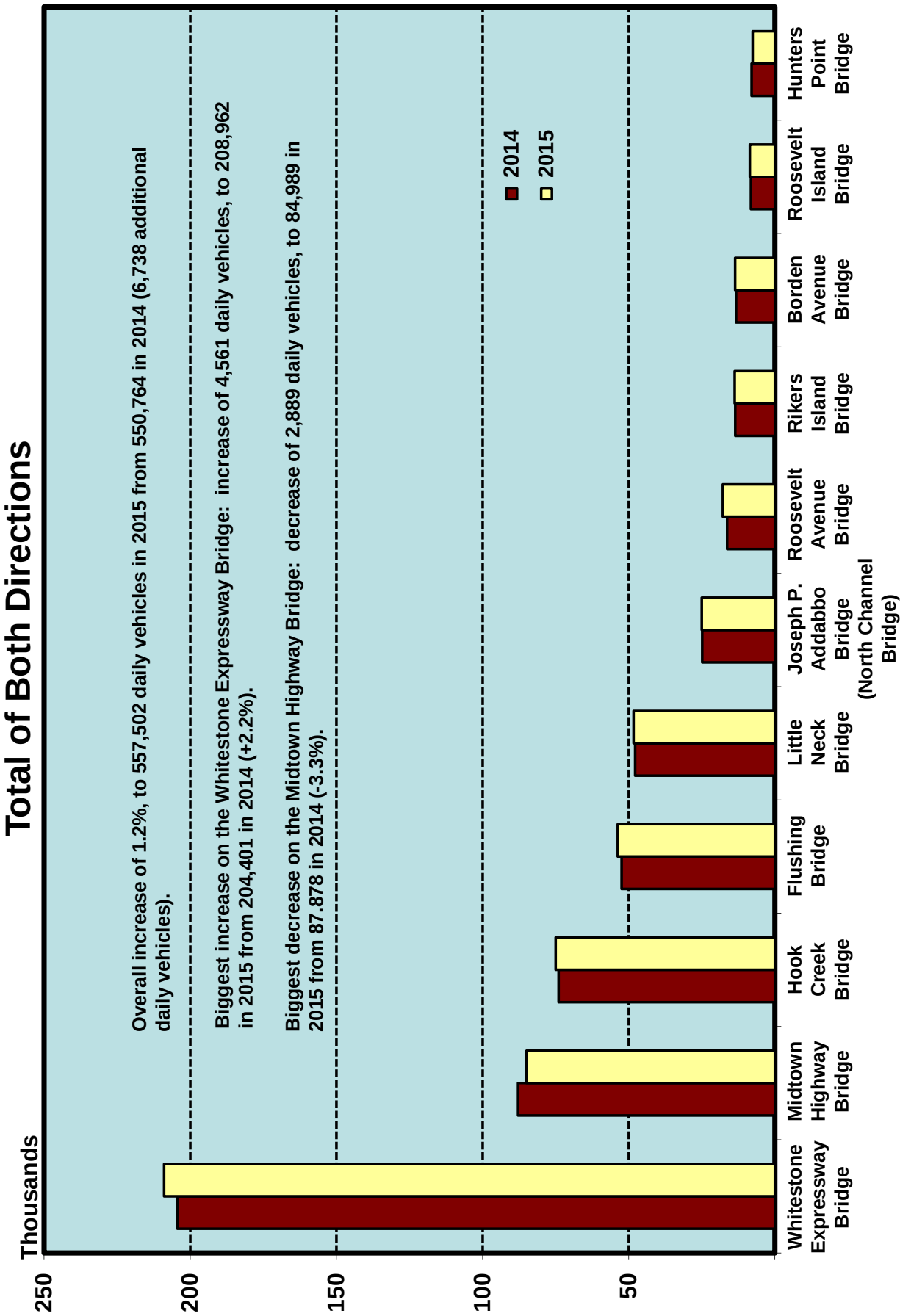
Brooklyn Bridges Daily Volumes 2015 vs. 2014

Total of Both Directions



Queens Bridges Daily Volumes

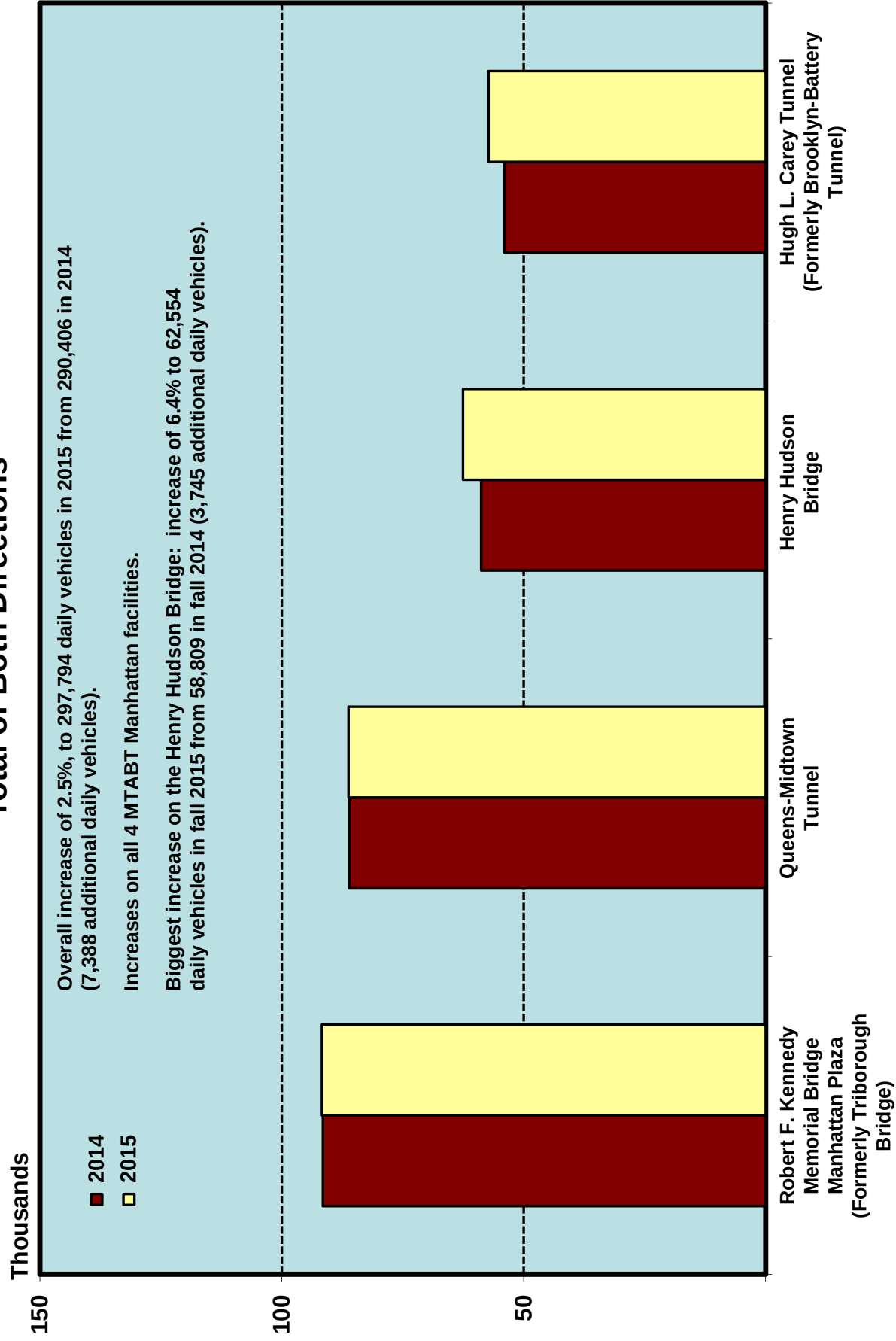
2015 vs. 2014



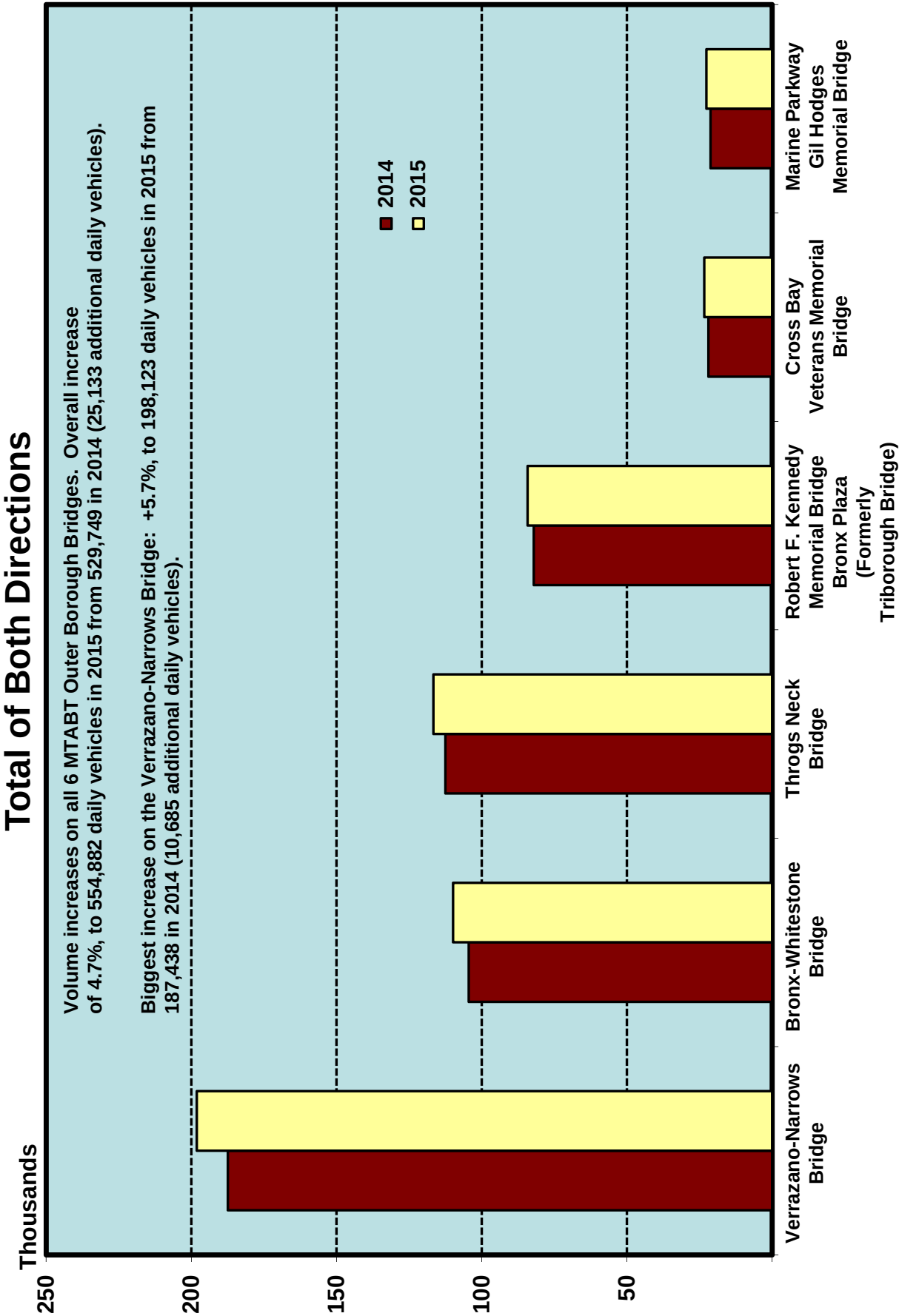
Metropolitan Transportation Authority Bridges & Tunnels (MTABT) Manhattan Facilities Daily Volumes

2015 vs. 2014

Total of Both Directions

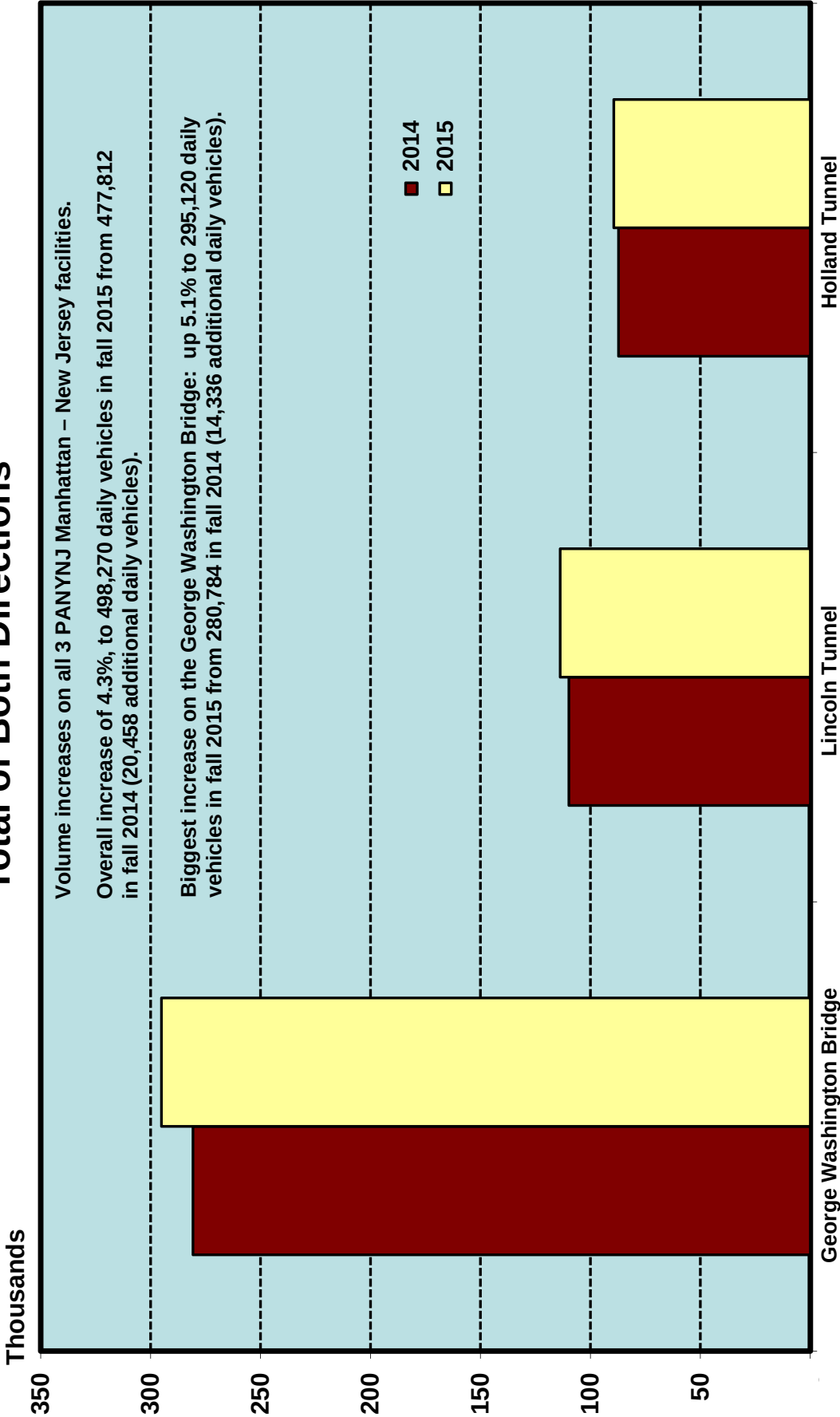


Metropolitan Transportation Authority Bridges & Tunnels (MTABT) Outer Borough Bridges Daily Volumes 2015 vs. 2014



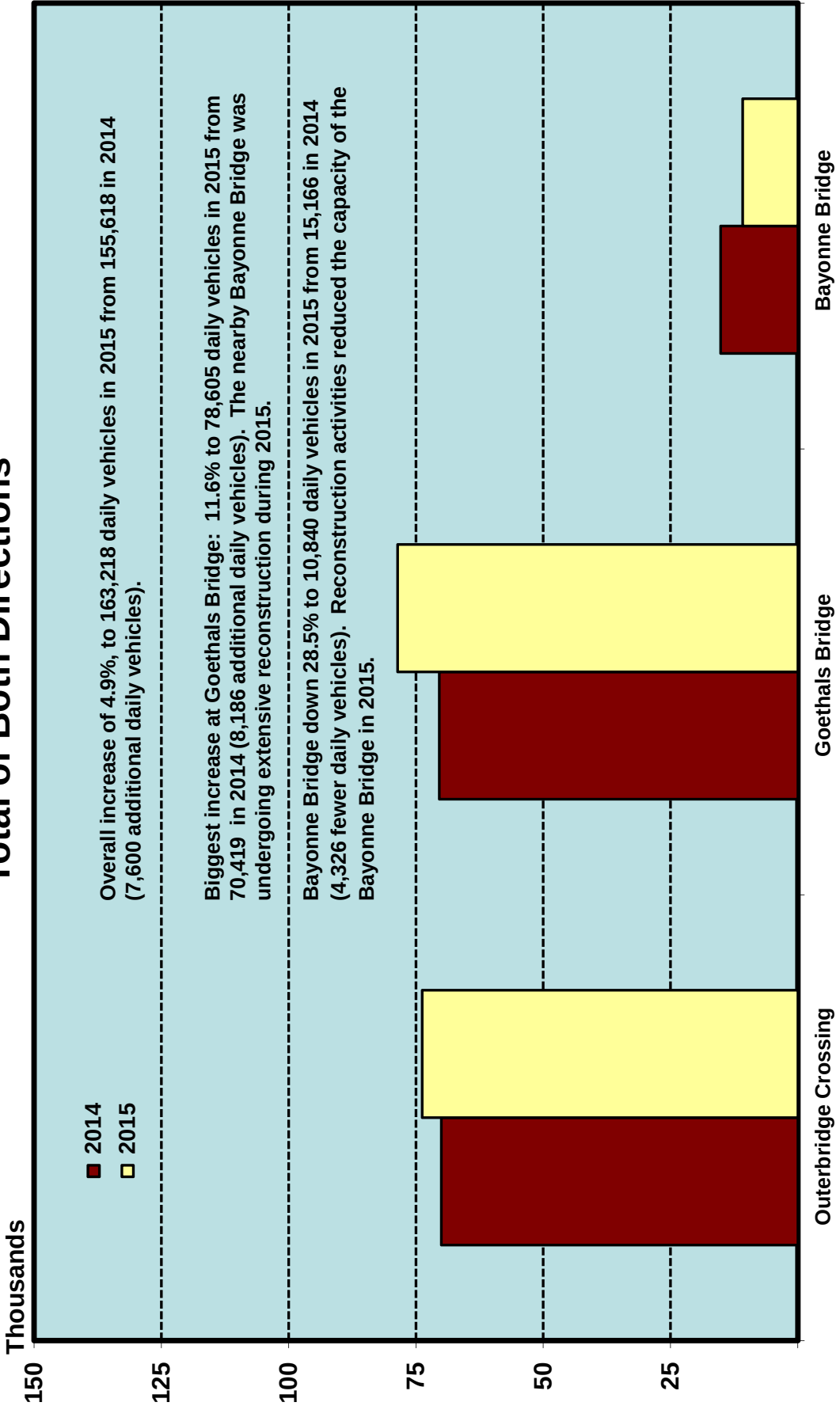
Port Authority of New York & New Jersey (PANYNJ)
Manhattan – N.J. Facilities Daily Volumes
2015 vs. 2014

Total of Both Directions



Port Authority of New York & New Jersey (PANYNJ) Staten Island – N.J. Bridges Daily Volumes 2015 vs. 2014

Total of Both Directions



Ten-Year Trends 2005 - 2015



Madison Avenue Bridge

Ten-Year Trends: 2005 - 2015

From 2005 to 2015, total traffic on the 47 bridges monitored by the New York City Department of Transportation decreased 3.5%, to 2,661,105 daily vehicles in 2015 from 2,757,802 in 2005 (96,697 fewer daily vehicles).

East River Bridges

- Total traffic on the four East River Bridges decreased 5.9%, to 468,918 daily vehicles in 2015 from 498,213 in 2005 (29,295 fewer daily vehicles).
- Biggest percentage and numerical decrease on the Brooklyn Bridge: -22.7%, to 102,219 daily vehicles in fall 2015 from 132,210 in fall 2005 (29,991 fewer daily vehicles). During 2015, the Brooklyn Bridge was closed to Manhattan-bound traffic during night hours for reconstruction.
- Biggest percentage and numerical increase on the Manhattan Bridge: +8.3%, to 87,046 daily vehicles in fall 2015 from 80,363 in fall 2005 (6,683 additional daily vehicles). Much of this increase was due to diversion from the nearby Brooklyn Bridge which was closed to Manhattan-bound traffic for reconstruction during overnight hours in 2015.

Harlem River Bridges

- Total traffic on the nine Harlem River Bridges decreased 5.4%, to 530,808 daily vehicles in fall 2015 from 561,392 in fall 2005 (30,584 fewer daily vehicles).
- Biggest percentage and numerical decrease on the Madison Avenue Bridge: -16.5%, to 40,432 daily vehicles in fall 2015 from 48,397 in fall 2005 (7,965 fewer daily vehicles).
- Biggest percentage and numerical increase on the 145th Street Bridge: +5.0%, to 27,097 daily vehicles in fall 2015 from 25,802 in fall 2005 (1,295 additional daily vehicles).

Brooklyn-Queens Bridges

- Total traffic on the four bridges over Newtown Creek between Brooklyn and Queens decreased 7.0%, to 260,529 daily vehicles in 2015 from 280,189 in 2005 (19,660 fewer daily vehicles).
- Biggest decrease on the Kosciuszko Bridge: -9.9%, to 179,137 daily vehicles in 2015 from 198,813 in 2005 (19,676 fewer daily vehicles).
- Minor volume changes on the remaining three bridges over Newtown Creek.

Bronx Bridges

- Total traffic on the eight bridges in The Bronx increased 0.7%, to 462,216 daily vehicles in 2015 from 459,149 in 2005 (3,067 additional daily vehicles).
- Biggest increase on the Hutchinson River Parkway Bridge: Increase of 6,003 daily vehicles, to 124,390 in 2015 from 118,387 in 2005 (+5.1%).
- Biggest decrease on the Eastern Boulevard Bridge: decrease of 5,744 daily vehicles, to 177,999 in 2015 from 183,743 in 2005 (-3.1%).

Brooklyn Bridges

- Total traffic on the ten bridges in Brooklyn decreased 2.4%, to 323,594 daily vehicles in 2015 from 331,523 in 2005 (7,929 fewer daily vehicles).
- Biggest decrease on the Hamilton Avenue Bridge: decrease of 4,619 daily vehicles, to 55,266 in 2015 from 59,885 in 2005 (-7.7%).

- Biggest increase on the Metropolitan Avenue Bridge: increase of 3,078 daily vehicles, to 38,191 in 2015 from 35,113 in 2005 (+8.8%).

Queens Bridges

- Total traffic on the eleven bridges in Queens decreased 0.5%, to 557,502 daily vehicles in 2015 from 560,520 in 2005 (3,018 fewer daily vehicles).
- Biggest decrease on the Flushing Bridge: decrease of 8,914 daily vehicles, to 53,778 in 2015 from 62,692 in 2005 (-14.2%).
- Biggest increase on the Whitestone Expressway Bridge: increase of 17,399 daily vehicles, to 208,962 in 2015 from 191,563 in 2005 (+9.1%).

Staten Island

- Total traffic on the Fresh Kills Bridge decreased 13.9%, to 57,538 daily vehicles in 2015 from 66,816 in 2005 (9,278 fewer daily vehicles).

MTABT Facilities

- Henry Hudson Bridge traffic decreased 11.2% to 62,554 daily vehicles in fall 2015 from 70,407 in fall 2005 (7,853 fewer daily vehicles).
- Traffic using the Hugh L. Carey Tunnel (formerly Brooklyn-Battery Tunnel) increased 16.8% to 57,299 daily vehicles in fall 2015 from 49,043 in fall 2005 (8,256 additional daily vehicles).
- On using the Robert F. Kennedy Memorial Bridge (formerly Triborough Bridge) between Queens and The Bronx increased 9.0% to 84,220 daily vehicles in 2015 from 77,257 in 2005 (6,963 additional daily vehicles).

PANYNJ Facilities

- Lincoln Tunnel traffic decreased 10.0% to 113,783 daily vehicles in fall 2015 from 126,455 in fall 2005 (12,672 fewer daily vehicles).
- Bayonne Bridge traffic decreased 50.2% to 10,840 daily vehicles in fall 2015 from 21,755 in fall 2005 (10,915 fewer daily vehicles). In 2015, capacity was reduced by major reconstruction work.
- Goethals Bridge traffic increased 14.3% to 78,605 daily vehicles in fall 2015 from 68,790 in fall 2005 (9,815 additional daily vehicles). In 2015, capacity was reduced on the nearby Bayonne Bridge by major reconstruction work.
- Outerbridge Crossing traffic decreased 9.0% to 73,773 daily vehicles from 81,108 (7,335 fewer daily vehicles).

10-Year Traffic Volume Trends ~ 2005-2015

N.Y.C. Bridges and Tunnels

Both Directions

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EAST RIVER BRIDGES	Highway Functional Classification	2005	2015	Percent Change
Brooklyn Bridge	Principal Arterial	132,210	102,219	- 22.7 %
Ed Koch Queensboro Bridge *	Principal Arterial	178,610	174,447	- 2.3 %
Manhattan Bridge	Principal Arterial	80,363	87,046	8.3 %
Williamsburg Bridge	Principal Arterial	107,030	105,206	- 1.7 %
Total, 4 East River Bridges		498,213	468,918	- 5.9 %

HARLEM RIVER BRIDGES

Alexander Hamilton Bridge	Interstate	181,566	178,407	- 1.7 %
Broadway Bridge	Principal Arterial	35,698	33,897	- 5.0 %
Macombs Dam Bridge	Principal Arterial	40,112	38,556	- 3.9 %
Madison Avenue Bridge	Principal Arterial	48,397	40,432	- 16.5 %
Third Avenue Bridge	Principal Arterial	60,152	55,988	- 6.9 %
University Heights Bridge	Principal Arterial	44,938	38,513	- 14.3 %
Washington Bridge	Minor Arterial	58,019	54,006	- 6.9 %
Willis Avenue Bridge	Principal Arterial	66,708	63,912	- 4.2 %
145th Street Bridge	Minor Arterial	25,802	27,097	5.0 %
Total, 9 Harlem River Bridges		561,392	530,808	- 5.4 %

BROOKLYN-QUEENS BRIDGES

Grand Street Bridge	Principal Arterial	13,016	12,546	- 3.6 %
J.J. Byrne Memorial Bridge **	Principal Arterial	29,449	28,361	- 3.7 %
Kosciuszko Bridge	Interstate	198,813	179,137	- 9.9 %
Pulaski Bridge	Principal Arterial	38,911	40,485	4.0 %
Total, 4 Brooklyn-Queens Bridges (Over Newtown Creek)		280,189	260,529	- 7.0 %

BRONX BRIDGES

City Island Bridge	Minor Arterial	15,297	15,292	- 0.0 %
East 174th Street Bridge	Minor Arterial	13,632	16,556	21.4 %
Eastchester Bridge	Principal Arterial	22,318	22,317	- 0.0 %
Eastern Boulevard Bridge	Interstate	183,743	177,999	- 3.1 %
Hutchinson River Parkway Bridge	Principal Arterial	118,387	124,390	5.1 %
Pelham Bridge	Minor Arterial	17,972	17,241	- 4.1 %
Unionport Bridge	Principal Arterial	60,605	62,410	3.0 %
Westchester Avenue Bridge	Principal Arterial	27,195	26,011	- 4.4 %
Total, 8 Bronx Bridges		459,149	462,216	0.7 %

* Queensboro Bridge renamed April 11, 2011.

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

10-Year Traffic Volume Trends ~ 2005-2015

N.Y.C. Bridges and Tunnels

Both Directions

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BROOKLYN BRIDGES	Highway Functional Classification	2005	2015	Percent Change
Carroll Street Bridge	Local	1,101	1,238	12.4 %
Cropsey Avenue Bridge	Principal Arterial	36,132	33,433	- 7.5 %
Hamilton Avenue Bridge	Principal Arterial	59,885	55,266	- 7.7 %
Metropolitan Avenue Bridge	Principal Arterial	35,113	38,191	8.8 %
Mill Basin Bridge	Principal Arterial	143,158	141,303	- 1.3 %
Ninth Street Bridge	Minor Arterial	11,393	11,549	1.4 %
Stillwell Avenue Bridge	Principal Arterial	10,166	8,917	- 12.3 %
Third Avenue Bridge	Principal Arterial	20,046	18,179	- 9.3 %
Third Street Bridge	Minor Arterial	10,108	11,160	10.4 %
Union Street Bridge	Minor Arterial	4,421	4,358	- 1.4 %
Total, 10 Brooklyn Bridges		331,523	323,594	- 2.4 %
QUEENS BRIDGES				
Borden Avenue Bridge	Minor Arterial	16,362	13,615	- 16.8 %
Flushing Bridge	Principal Arterial	62,692	53,778	- 14.2 %
Hook Creek Bridge	Principal Arterial	73,344	75,001	2.3 %
Hunters Point Bridge	Collector	7,390	7,598	2.8 %
Joseph P. Addabbo Bridge *	Principal Arterial	24,035	25,025	4.1 %
Little Neck Bridge	Principal Arterial	52,475	48,337	- 7.9 %
Midtown Highway Bridge	Interstate	89,559	84,989	- 5.1 %
Rikers Island Bridge	Collector	13,811	13,780	- 0.2 %
Roosevelt Avenue Bridge	Principal Arterial	19,360	17,834	- 7.9 %
Roosevelt Island Bridge	Collector	9,929	8,583	- 13.6 %
Whitestone Expwy Bridge	Interstate	191,563	208,962	9.1 %
Total, 11 Queens Bridges		560,520	557,502	- 0.5 %
STATEN ISLAND				
Fresh Kills Bridge	Principal Arterial	66,816	57,538	- 13.9 %
TOLL-FREE GRAND TOTALS		2,757,802	2,661,105	- 3.5 %

* Joseph P. Addabbo Bridge also known as North Channel Bridge.

10-Year Traffic Volume Trends ~ 2005-2015

N.Y.C. Bridges and Tunnels

Both Directions

Page 3 of 3

MTABT Manhattan Facilities	Highway Functional Classification	2005	2015	Percent Change
Henry Hudson Bridge	Principal Arterial	70,407	62,554	- 11.2 %
Hugh L. Carey Tunnel *	Interstate	49,043	57,299	16.8 %
Queens-Midtown Tunnel	Interstate	86,063	86,217	0.2 %
R.F.K. Memorial Bridge Manhattan Plaza **	Principal Arterial	91,898	91,724	- 0.2 %
Total, 4 MTABT Manhattan Crossings		297,411	297,794	0.1 %

PANYNJ Manhattan Facilities

George Washington Bridge	Interstate	304,302	295,120	- 3.0 %
Holland Tunnel	Interstate	96,960	89,367	- 7.8 %
Lincoln Tunnel	Principal Arterial	126,455	113,783	- 10.0 %
Total, 3 PANYNJ Manhattan - New Jersey Crossings		527,717	498,270	- 5.6 %

MTABT Outer Borough Bridges

Bronx-Whitestone Bridge	Interstate	105,059	109,862	4.6 %
Cross Bay Veterans Memorial Bridge	Minor Arterial	19,852	23,393	17.8 %
Marine Parkway Gil Hodges Memorial Bridge	Minor Arterial	19,456	22,626	16.3 %
R.F.K. Memorial Bridge Bronx Plaza **	Interstate	77,257	84,220	9.0 %
Throgs Neck Bridge	Interstate	114,973	116,658	1.5 %
Verrazano-Narrows Bridge	Interstate	193,687	198,123	2.3 %
Total, 6 MTABT Outer Borough Bridges		530,284	554,882	4.6 %

PANYNJ Staten Island Bridges

Bayonne Bridge	Principal Arterial	21,755	10,840	- 50.2 %
Goethals Bridge	Interstate	68,790	78,605	14.3 %
Outerbridge Crossing	Principal Arterial	81,108	73,773	- 9.0 %
Total, 3 PANYNJ Staten Island - New Jersey Bridges		171,653	163,218	- 4.9 %

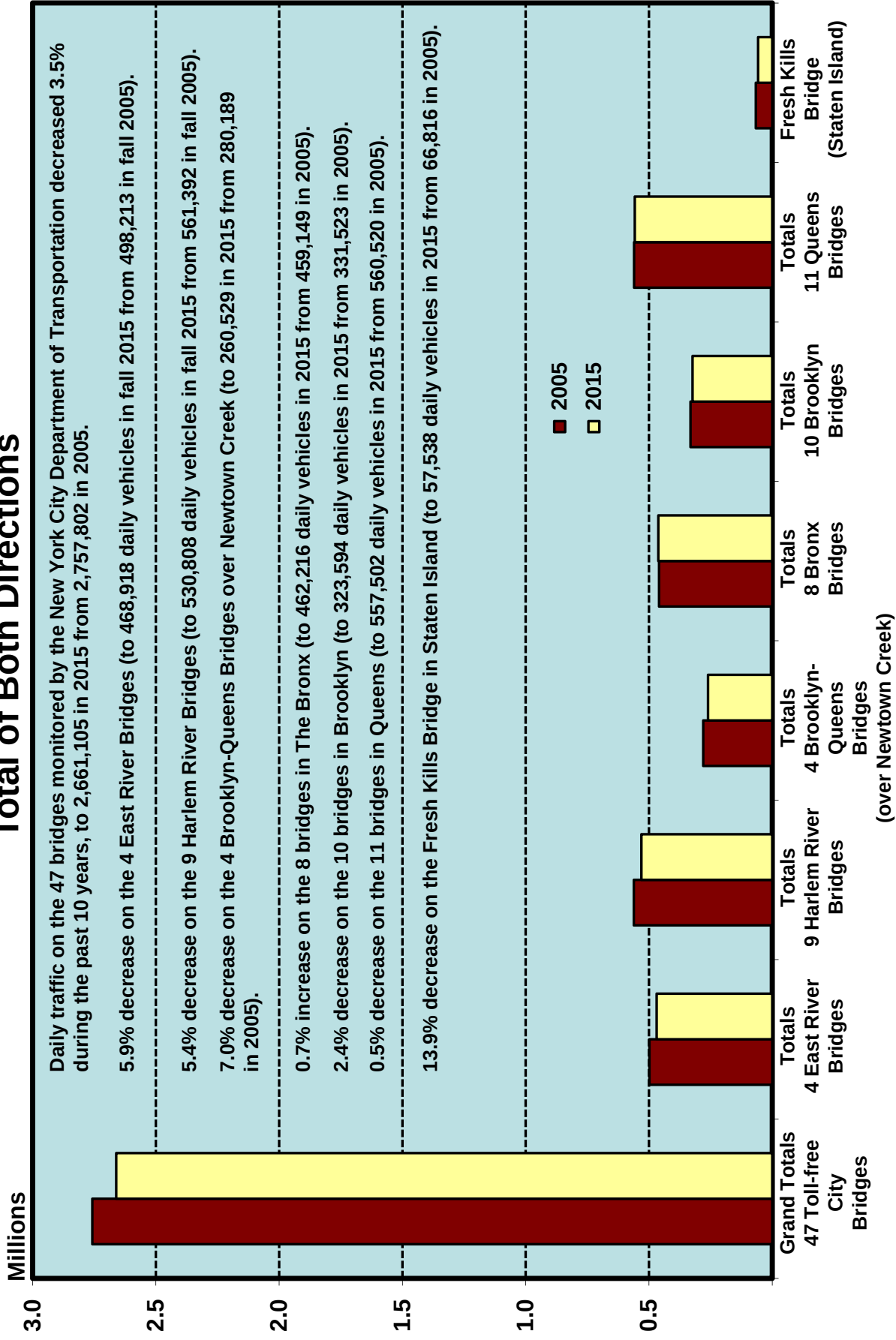
* Formerly Brooklyn-Battery Tunnel, renamed October 22, 2012.

** Formerly Triborough Bridge, renamed November 19, 2008.

10-Year Volume Changes ~ 2005 – 2015

New York City Toll-free Bridges Daily Volumes

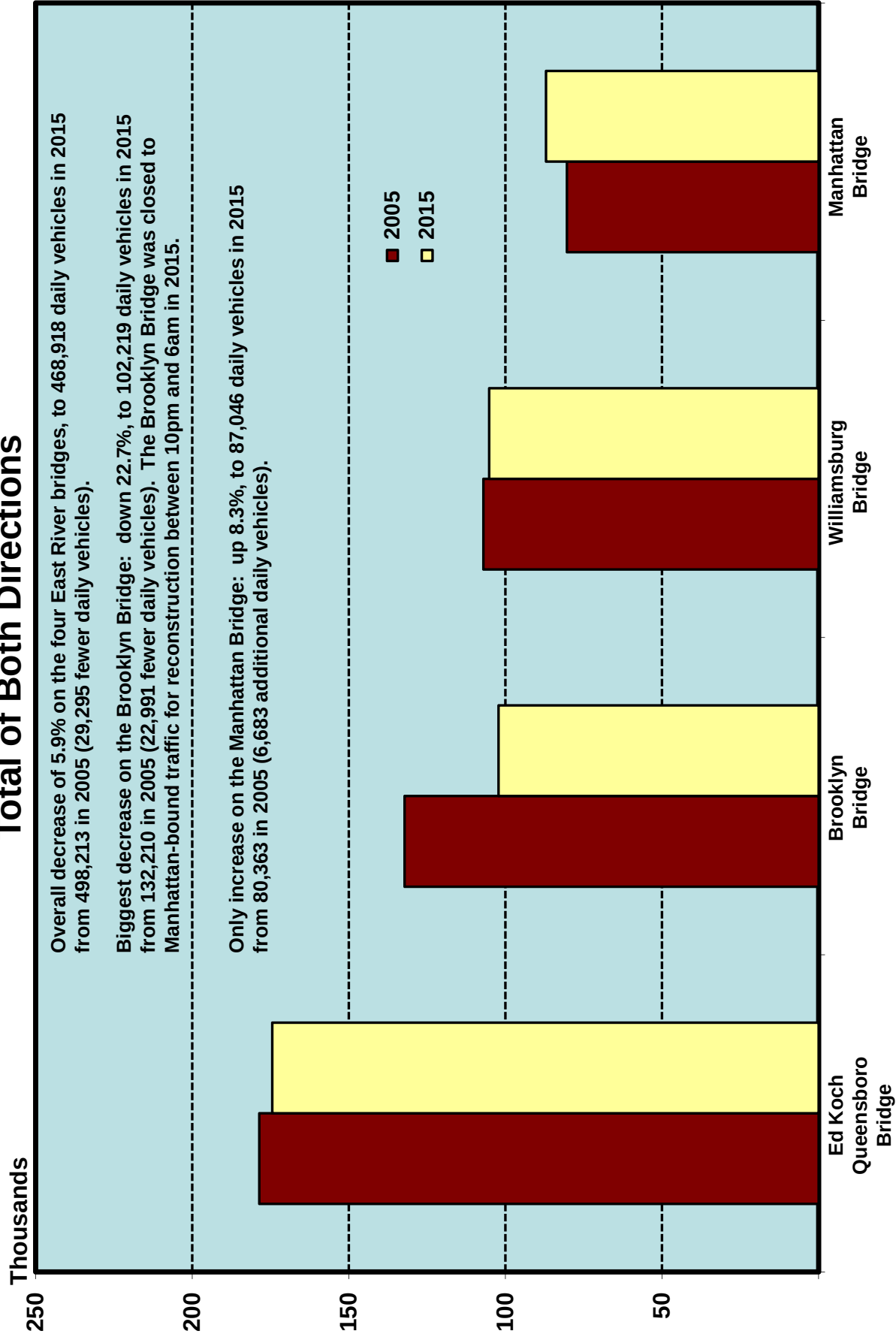
Total of Both Directions



10-Year Volume Changes ~ 2005 – 2015

East River Bridges Daily Volumes

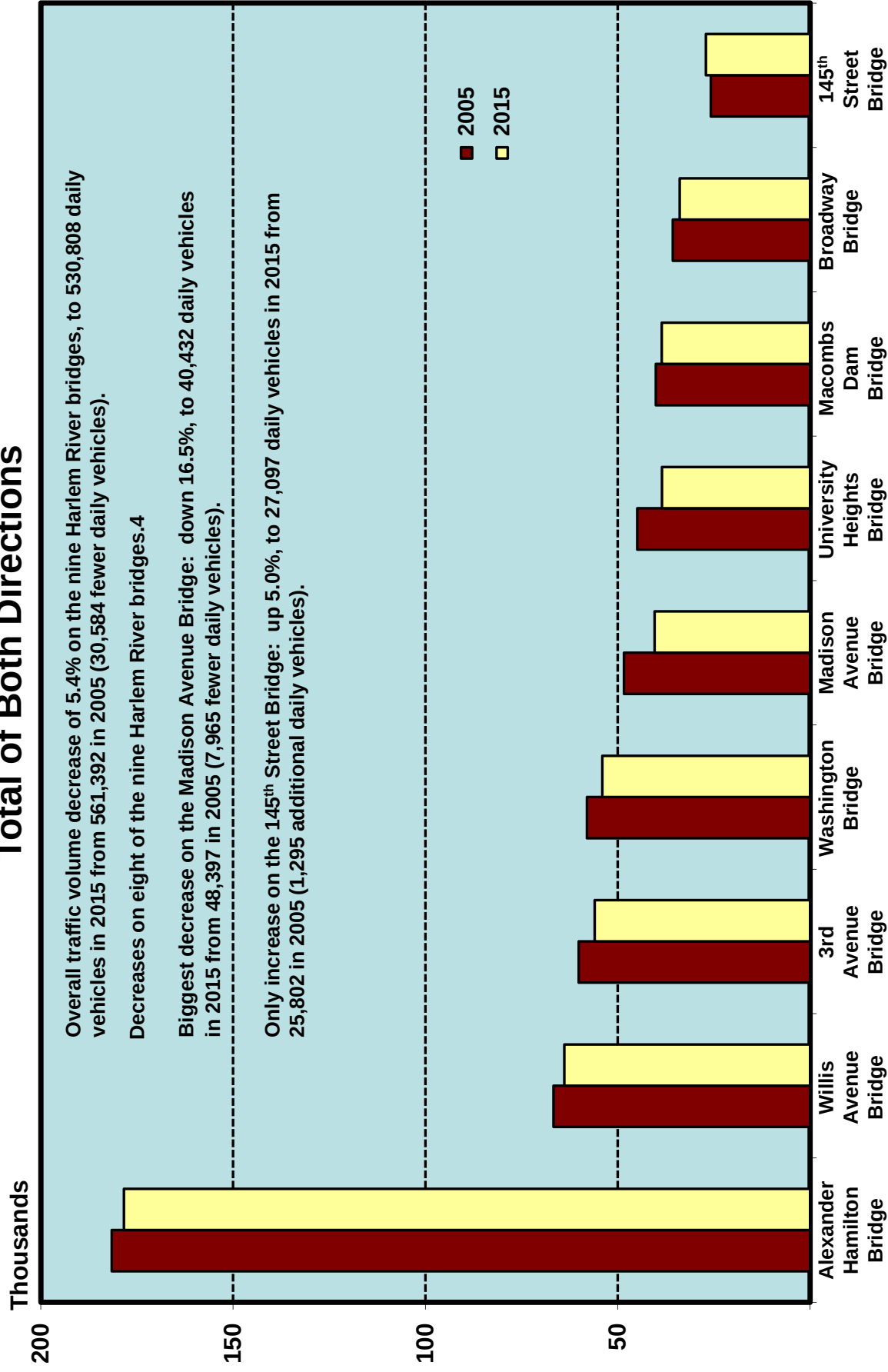
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10-Year Volume Changes ~ 2005 – 2015

Harlem River Bridges Daily Volumes

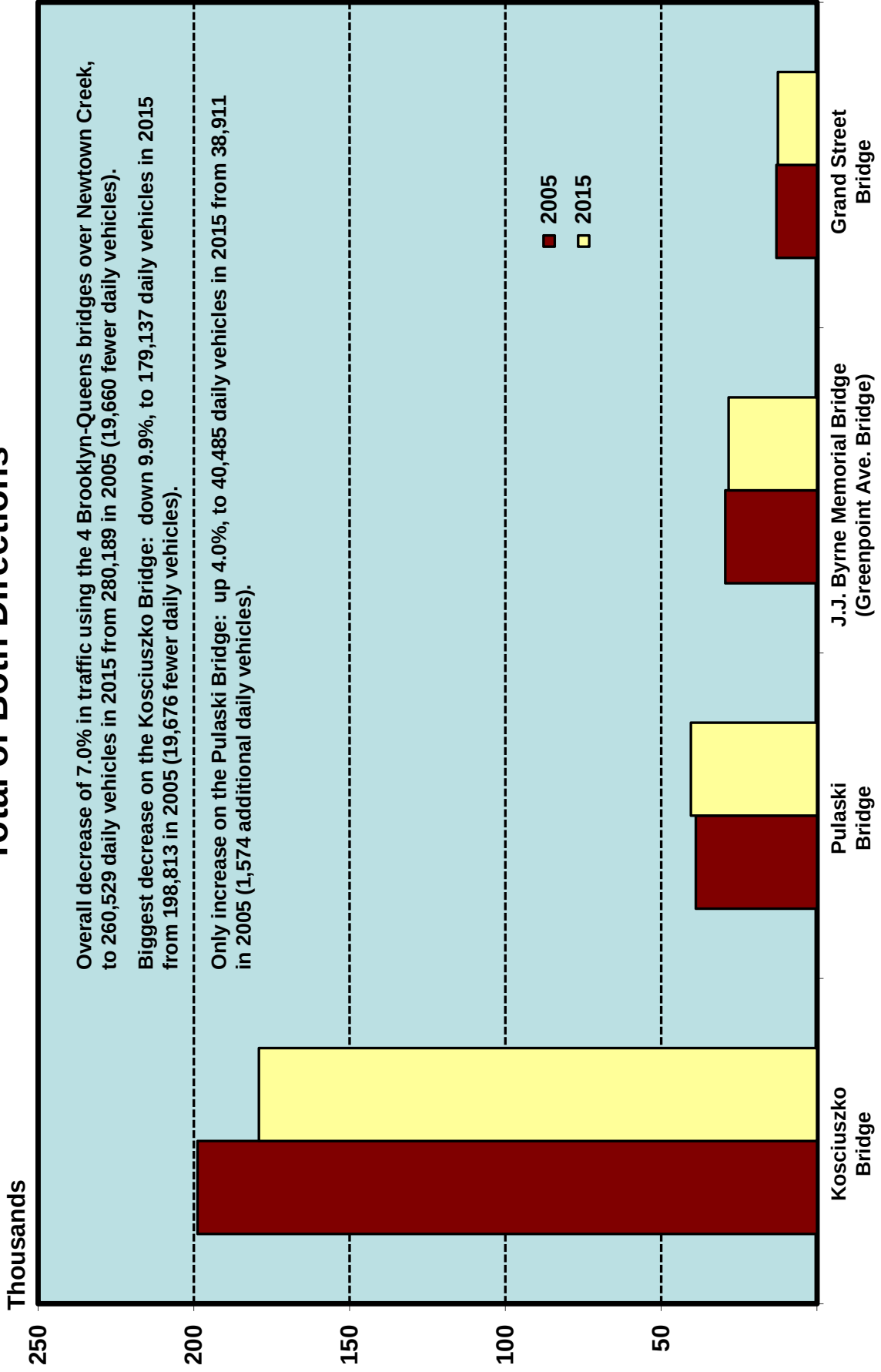
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10-Year Volume Changes ~ 2005 – 2015

Brooklyn-Queens (Newtown Creek) Bridges Daily Volumes

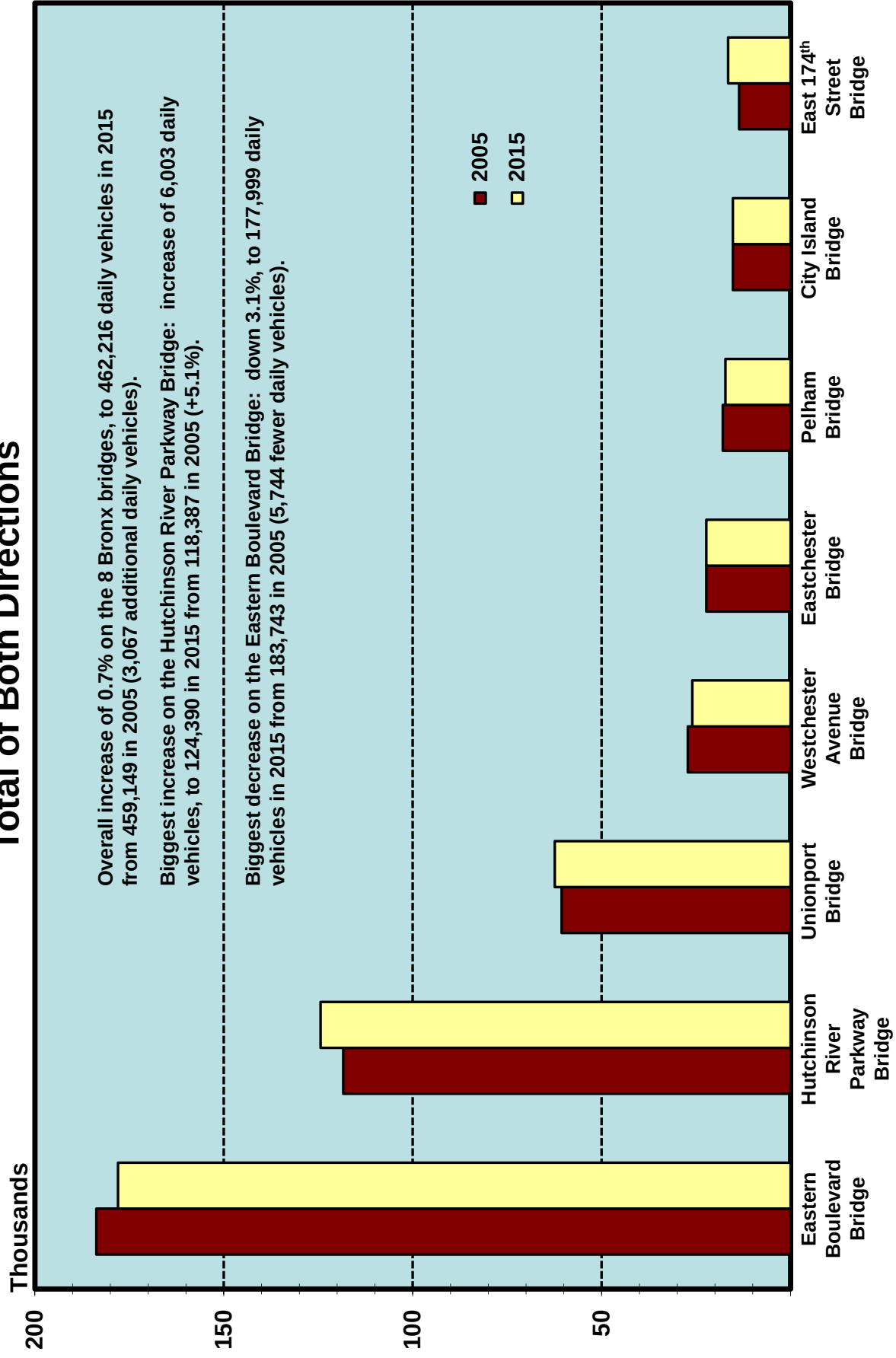
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10-Year Volume Changes ~ 2005 – 2015

Bronx Bridges Daily Volumes

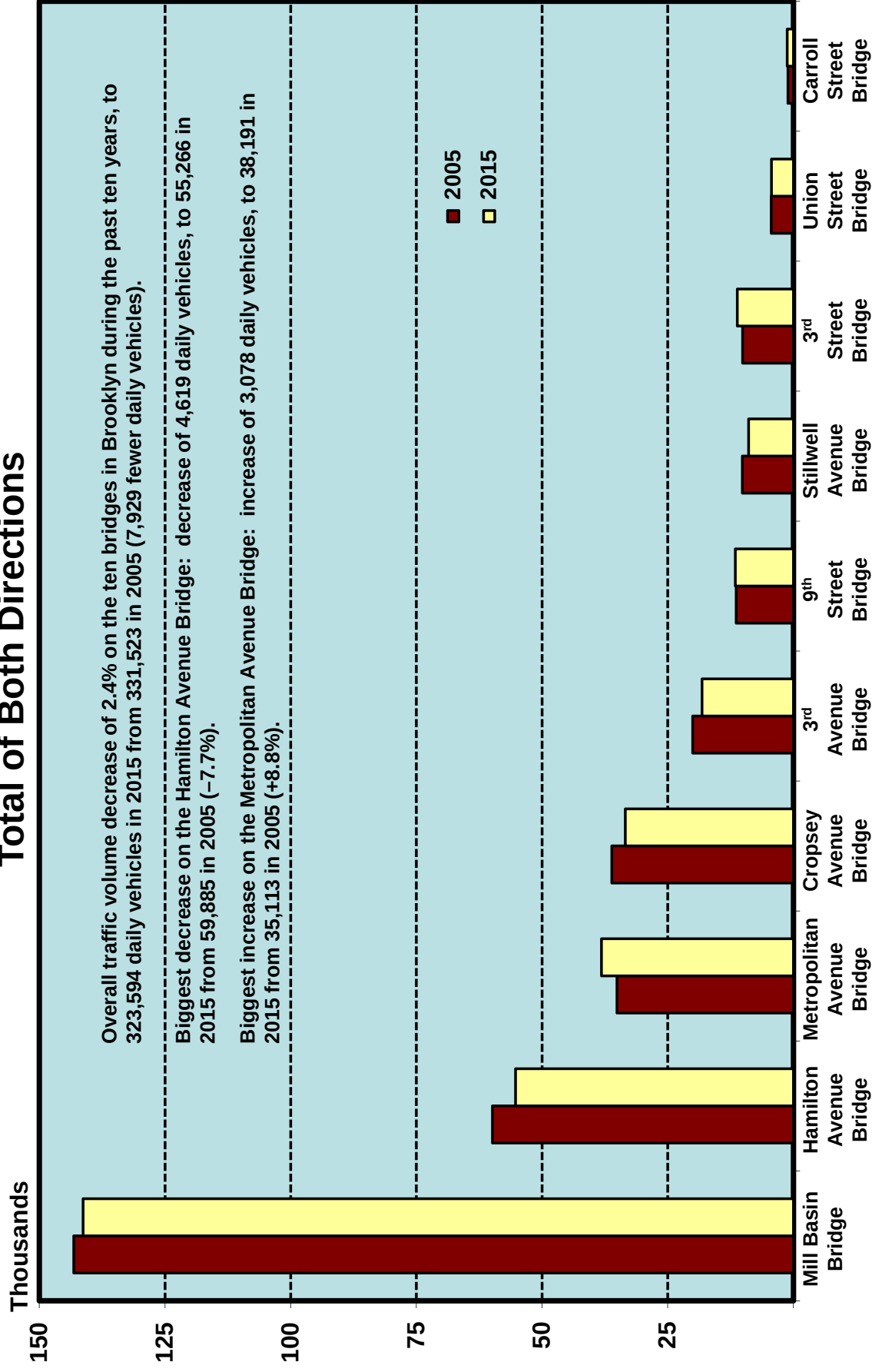
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10-Year Volume Changes ~ 2005 – 2015

Brooklyn Bridges Daily Volumes

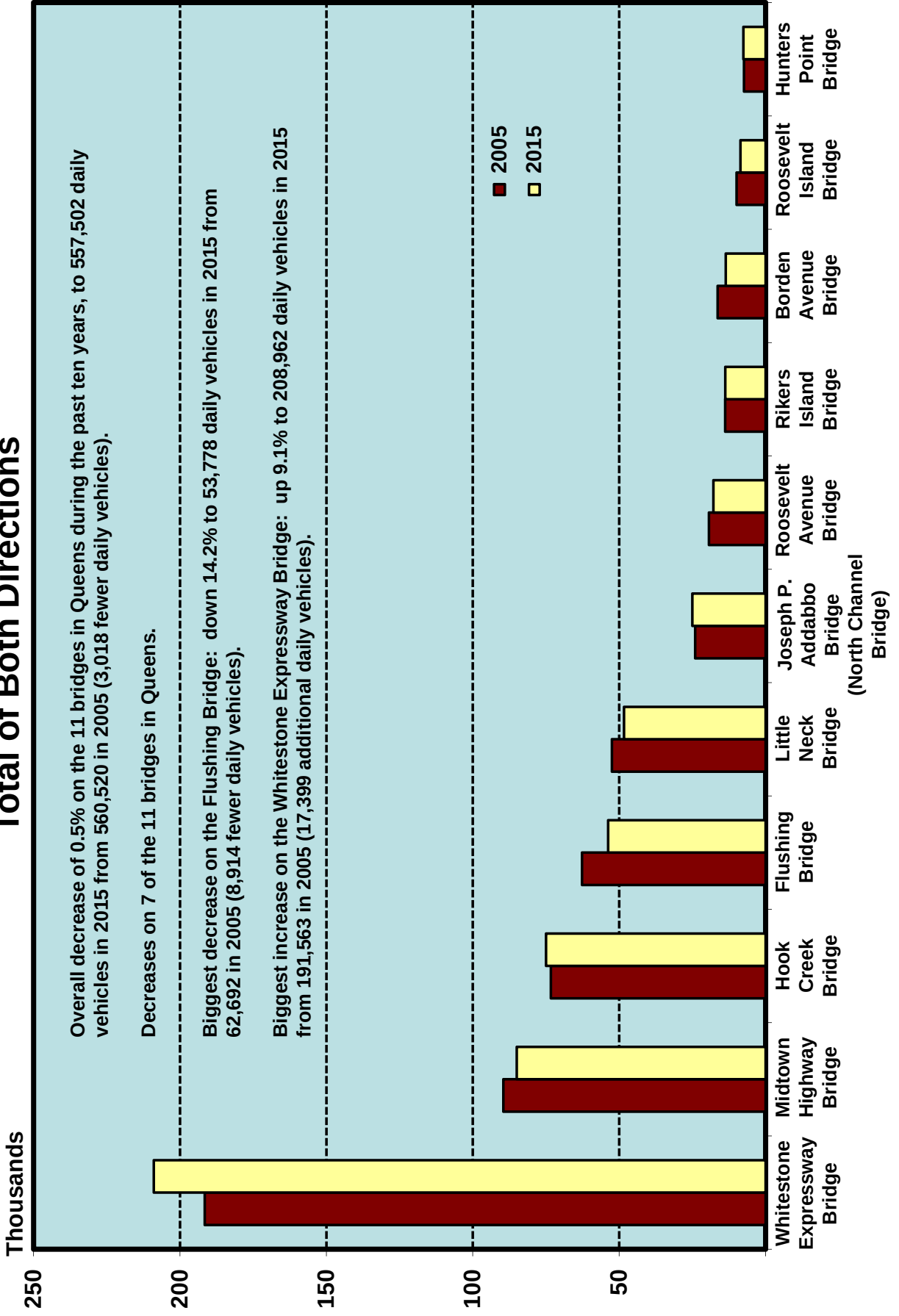
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10-Year Volume Changes ~ 2005 – 2015

Queens Bridges Daily Volumes

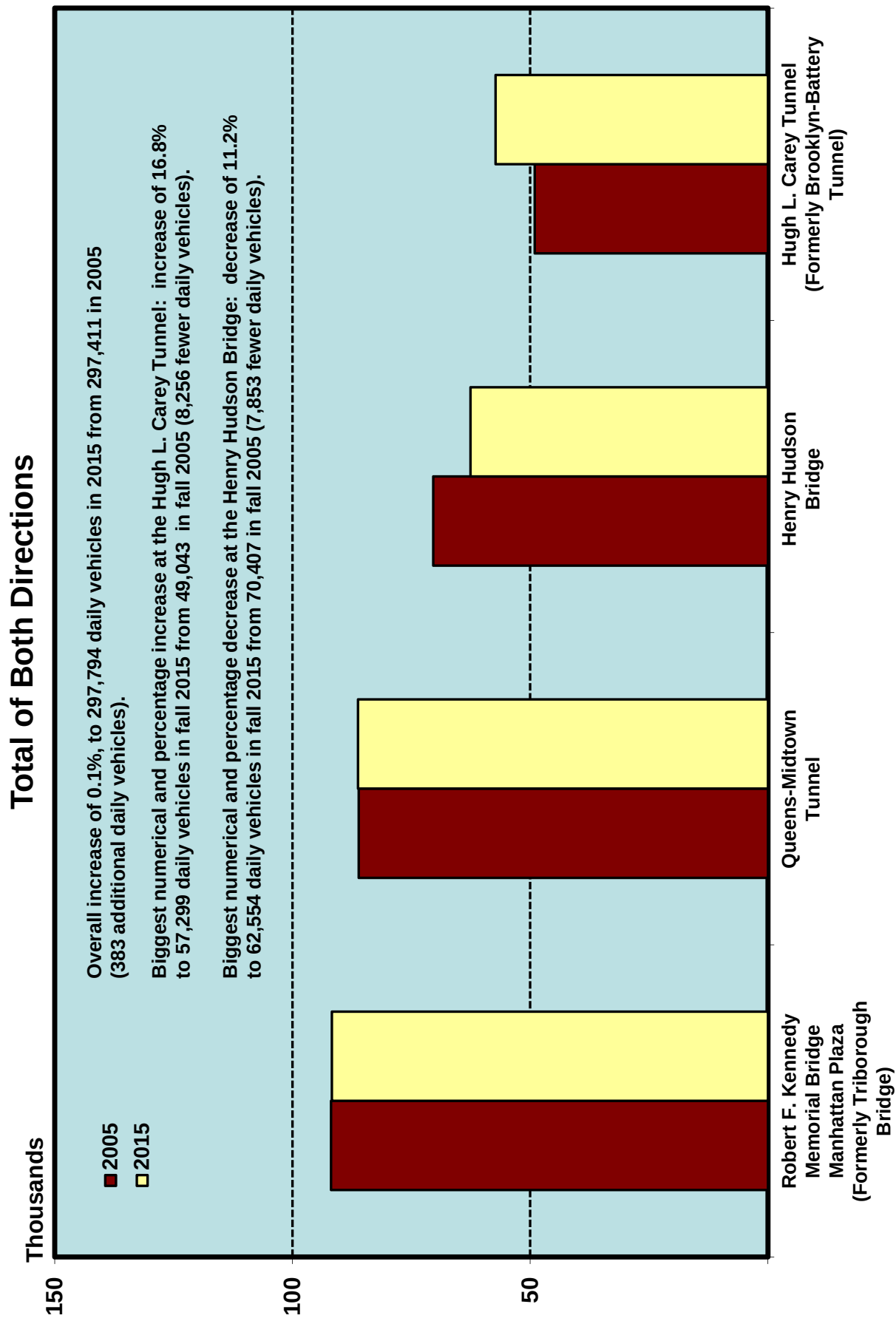
Total of Both Directions



10-Year Volume Changes ~ 2005 – 2015

Metropolitan Transportation Authority Bridges & Tunnels (MTABT)

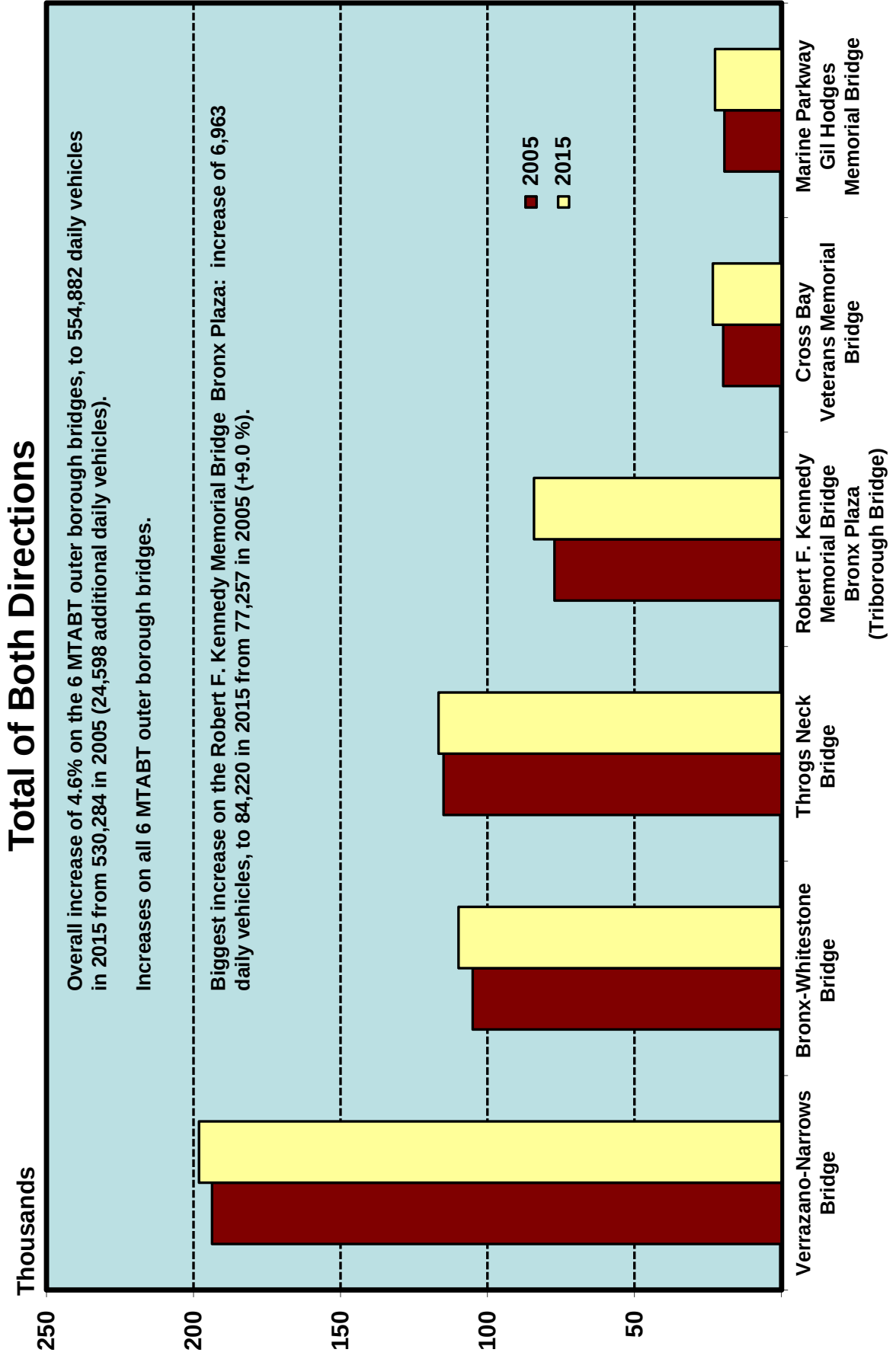
Manhattan Facilities Daily Volumes



10-Year Volume Changes ~ 2005 – 2015

Metropolitan Transportation Authority Bridges & Tunnels (MTABT)

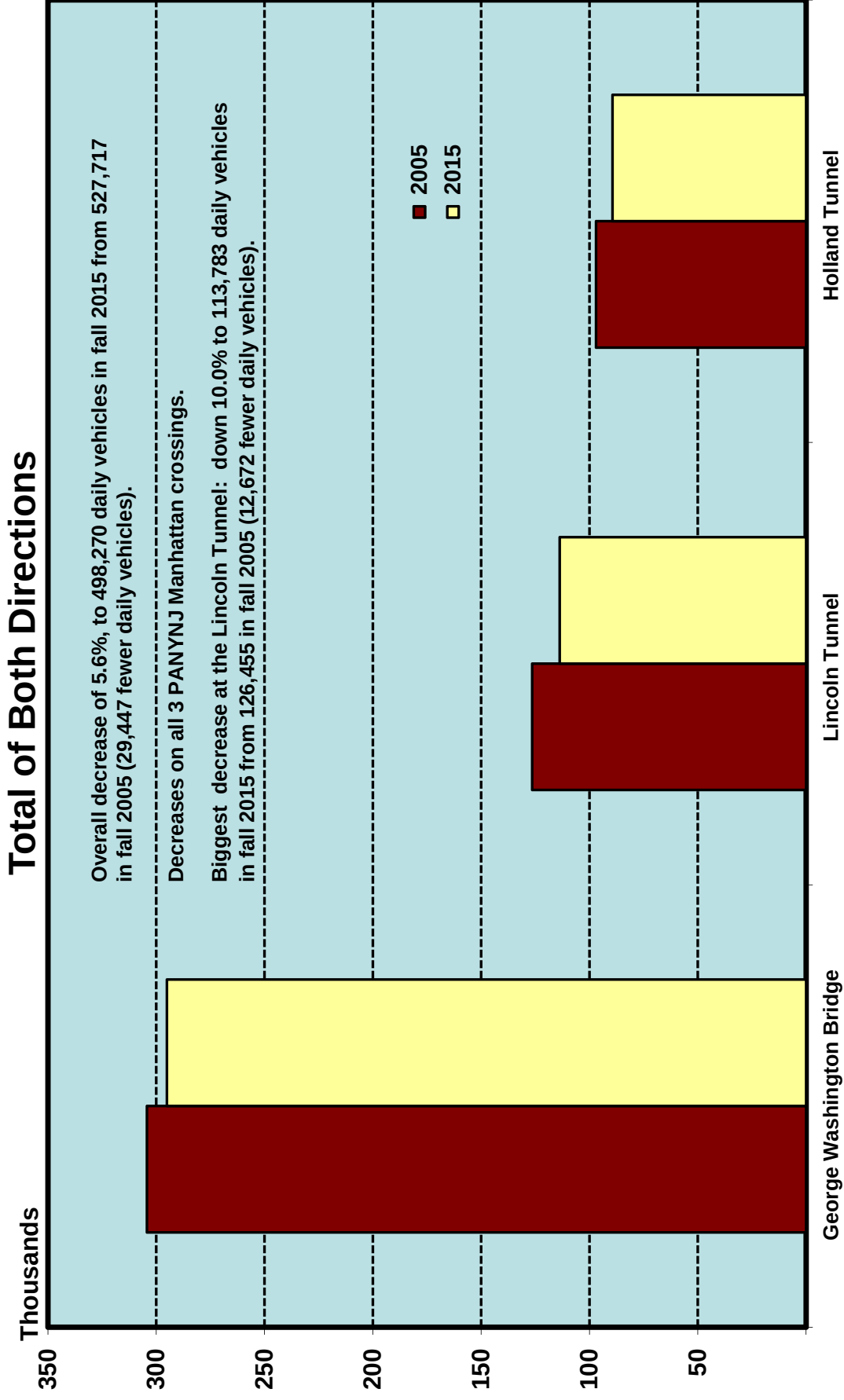
Outer Borough Bridges Daily Volumes



10-Year Volume Changes ~ 2005 – 2015

Port Authority of New York & New Jersey (PANYNJ)

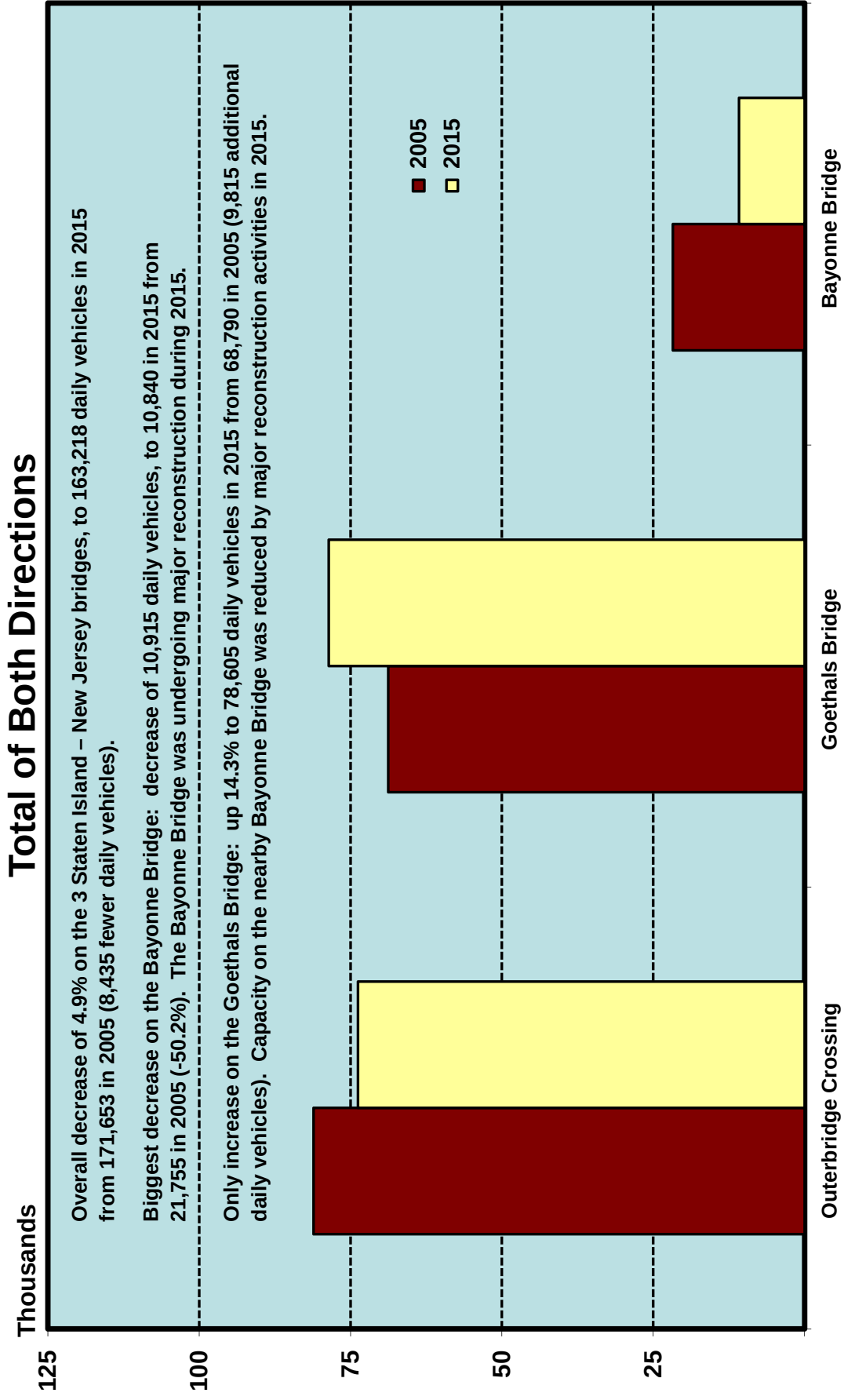
Manhattan – N.J. Facilities Daily Volumes



10-Year Volume Changes ~ 2005 – 2015

Port Authority of New York & New Jersey (PANYNJ)

Staten Island – N.J. Bridges Daily Volumes



Historic Trends



Eastchester Bridge

Historic Trends

In 1948, traffic on the 47 bridges monitored by the New York City Department of Transportation was 923,996 daily trips. By 1968, that figure had more than doubled, to 1,911,838. In 2015, it stood at 2,661,105 daily trips, nearly three times the 1948 volume.

Traffic crossing the Harlem River increased significantly following the opening of the Alexander Hamilton Bridge in 1963. By 1965, daily traffic on the Alexander Hamilton Bridge reached 125,133 vehicles. As a result, traffic on the Harlem River crossings increased 28% between 1962 and 1965.

Bridge traffic increased steadily in the late 1960s and by 1971 had reached 2,058,642 vehicles per day. This was followed by a downward trend between 1971 and 1979. Daily bridge traffic in 1979 was 64,534 below the 1969 level. Thereafter, bridge traffic increased in most years, with 694,708 more daily vehicles crossing the 47 bridges in 2015 than in 1979.

1948 - 1965

- Between 1948 and 1965, bridge traffic increased 85.7% on the 44 monitored bridges open during that period, to 1,716,287 daily vehicles in 1965 from 923,996 in 1948 (792,291 additional daily vehicles).
- Large increases in daily traffic occurred at the following bridges:
 - Brooklyn Bridge over the East River between Manhattan and Brooklyn: up 127.3% to 84,141 daily vehicles in 1965 from 37,011 in 1948 (+47,130 daily vehicles).
 - Ed Koch Queensboro Bridge over the East River between Manhattan and Queens: up 41.3% to 117,588 daily vehicles from 83,201 (+34,387 daily vehicles).
 - Williamsburg Bridge over the East River between Manhattan and Brooklyn: up 70.9% to 80,567 from 47,139 (+33,428 daily vehicles).
 - 3rd Avenue Bridge over the Harlem River between The Bronx and Manhattan: up 77.2% to 55,644 from 31,403 (+24,241 daily vehicles).
 - Willis Avenue Bridge over the Harlem River between Manhattan and The Bronx: up 79.5% to 53,219 from 29,648 (+23,571 daily vehicles).
 - Kosciuszko Bridge along the Brooklyn-Queens Expressway over Newtown Creek: up 238.1% to 110,764 from 32,761 (+78,003 daily vehicles).
 - Eastern Boulevard Bridge along Bruckner Expressway (I-278) over the Bronx River in The Bronx: up 111.3% to 94,167 from 44,563 (+49,604 daily vehicles).
 - Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx: up 224.0% to 48,870 from 15,085 (+33,785 daily vehicles).
 - Unionport Bridge along Bruckner Boulevard over Westchester Creek in The Bronx: up 274.0% to 139,724 from 37,359 (+102,365 daily vehicles).
 - Hamilton Avenue Bridge over Gowanus Canal in Brooklyn: up 195.0% to 35,795 from 12,135 (+23,660 daily vehicles).
 - Mill Basin Bridge along Belt Parkway in Brooklyn: up 407.8% to 110,566 from 21,773 (+88,793 daily vehicles).
 - Hook Creek Bridge along Rockaway Boulevard in Queens: up 265.7% to 35,185 from 9,620 (+25,565 daily vehicles).

- Midtown Highway Bridge on the Long Island Expressway over Dutch Kills in Queens: up 112.1% to 60,973 daily vehicles in 1965 from 28,754 in 1948 (+32,219 daily vehicles).
- Whitestone Expressway Bridge over the Flushing River in Queens: up 197.5% to 81,201 daily vehicles in 1965 from 27,290 in 1948 (+53,911 daily vehicles).
- The only major decrease from 1948 to 1965 occurred on the Manhattan Bridge over the East River between Manhattan and Brooklyn: down 17.9%, to 71,222 daily vehicles in 1965 from 86,717 in 1948 (15,495 fewer daily vehicles).

1965 - 1975

- Between 1965 and 1975, bridge traffic increased 7.5% on the 46 monitored bridges open during that period, to 1,983,069 daily vehicles from 1,845,211 (137,858 additional daily vehicles).
- Significant increases in daily traffic occurred on the following bridges:
 - Brooklyn Bridge over the East River between Manhattan and Brooklyn: up 23.3% to 103,750 daily vehicles in 1975 from 84,141 in 1965 (+19,609 daily vehicles).
 - Ed Koch Queensboro Bridge over the East River between Manhattan and Queens: up 22.7% to 144,252 daily vehicles in 1975 from 117,588 in 1965 (+26,664 daily vehicles).
 - Kosciuszko Bridge over Newtown Creek between Brooklyn and Queens: up 27.2% to 140,882 daily vehicles from 110,764 (+30,118 daily vehicles).
 - Eastern Boulevard Bridge along Bruckner Expressway (I-278) over the Bronx River in The Bronx: up 31.0% to 123,389 daily vehicles from 94,167 (+29,222 daily vehicles).
 - Whitestone Expressway Bridge over the Flushing River in Queens: up 43.8% to 116,750 from 81,201 (+35,549 daily vehicles).
 - Fresh Kills Bridge over Richmond Creek in Staten Island: up 148.9% to 38,684 from 15,539 (+23,145 daily vehicles).
- The most significant decrease in daily traffic occurred on the Unionport Bridge in The Bronx: down 75.2% to 34,648 daily vehicles in 1975 from 139,724 in 1965 (105,076 fewer daily vehicles). The Bruckner Interchange was completed in 1972.

1975 - 1985

- From 1975 to 1985, total traffic on the 47 bridges increased 17.2%, to 2,329,969 daily vehicles from 1,987,853 (342,116 additional daily vehicles).
- The most significant increases occurred on the following bridges:
 - Manhattan Bridge over the East River between Manhattan and Brooklyn: up 35.7% to 100,825 daily vehicles in 1985 from 74,320 in 1975 (+26,505 daily vehicles).
 - Williamsburg Bridge over the East River between Manhattan and Brooklyn: up 30.9% to 107,386 daily vehicles in 1985 from 82,057 in 1975 (+25,329 daily vehicles).
 - Alexander Hamilton Bridge over the Harlem River between Manhattan and The Bronx: up 28.0% to 171,602 daily vehicles in 1985 from 134,013 in 1975 (+37,589 daily vehicles).
 - Kosciuszko Bridge along the Brooklyn-Queens Expressway (I-278) over Newtown Creek: up 19.7% to 168,680 daily vehicles in 1985 from 140,882 in 1975 (+27,798 daily vehicles).

- Eastern Boulevard Bridge along Bruckner Expressway (I-278) over the Bronx River in The Bronx: up 12.4% to 138,725 daily vehicles from 123,389 (+15,336 daily vehicles).
- Metropolitan Avenue Bridge over English Kills in Brooklyn: up 94.9% to 43,173 from 22,148 (+21,025 daily vehicles).
- There were no major decreases from 1975 to 1985.

1985 - 1995

- From 1985 to 1995, daily traffic increased 2.8% on the 47 bridges, to 2,394,405 daily vehicles from 2,329,969 (64,436 additional daily vehicles).
- Significant increases in daily traffic occurred on the following bridges:
 - Brooklyn Bridge over the East River between Manhattan and Brooklyn: up 12.8% to 131,883 daily vehicles in 1995 from 116,929 in 1985 (+14,954 daily vehicles).
 - Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx: up 44.6% to 85,985 from 59,455 (+26,530 daily vehicles).
 - Mill Basin Bridge along Belt Parkway in Brooklyn: up 23.5% to 134,540 daily vehicles in 1995 from 108,974 in 1985 (+25,566 daily vehicles).
 - Hook Creek Bridge along Rockaway Boulevard in Queens: up 31.8% to 66,517 from 50,458 (+16,059 daily vehicles).
- Significant decreases occurred on the following bridges:
 - Manhattan Bridge over the East River between Manhattan and Brooklyn: down 25.5% to 75,126 daily vehicles in 1995 from 100,825 in 1985 (25,699 fewer daily vehicles).
 - Madison Avenue Bridge over the Harlem River between Manhattan and The Bronx: down 40.1% to 22,739 daily vehicles in 1995 from 37,956 in 1985 (15,217 fewer daily vehicles). Reconstruction activities caused half this bridge to be closed round-the-clock in 1995.
 - University Heights Bridge over the Harlem River between Manhattan and The Bronx: down 43.4% to 21,238 daily vehicles in 1995 from 37,553 in 1985 (16,315 fewer daily vehicles). Reconstruction activities caused this bridge to be closed to Bronx-bound traffic round-the-clock in 1995.
 - Pulaski Bridge over Newtown Creek between Brooklyn and Queens: down 33.1% to 28,480 daily vehicles in 1995 from 42,579 in 1985 (14,099 fewer daily vehicles).

1995 - 2005

- From 1995 to 2005, bridge traffic increased 15.2%, to 2,757,802 daily vehicles from 2,394,405 (363,397 additional daily vehicles).
- Significant increases in daily traffic occurred on the following bridges:
 - Ed Koch Queensboro Bridge over the East River: up 13.5% to 178,610 daily vehicles in 2005 from 157,306 in 1995 (+21,304 daily vehicles).
 - Madison Avenue Bridge over the Harlem River between Manhattan and The Bronx: up 112.8% to 48,397 daily vehicles in 2005 from 22,739 in 1995 (25,658 additional daily vehicles). Reconstruction activities had caused half this bridge to be closed round-the-clock in 1995.
 - University Heights Bridge over the Harlem River between Manhattan and The Bronx: up 111.6% to 44,938 daily vehicles in 2005 from 21,238 in 1995 (23,700 additional

daily vehicles). Reconstruction activities had caused this bridge to be closed to Bronx-bound traffic round-the-clock in 1995.

- Kosciuszko Bridge along the Brooklyn-Queens Expressway over Newtown Creek: up 17.9% to 198,813 daily vehicles in 2005 from 168,639 in 1995 (30,174 additional daily vehicles).
 - Eastern Boulevard Bridge on Bruckner Expressway over the Bronx River in The Bronx: up 40.6% to 183,743 daily vehicles in 2005 from 130,647 in 1995 (+53,096 daily vehicles).
 - Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx: up 37.7% to 118,387 daily vehicles in 2005 from 85,985 in 1995 (+32,402 daily vehicles).
 - Unionport Bridge along Bruckner Boulevard over Westchester Creek in The Bronx: up 52.2% to 60,605 daily vehicles in 2005 from 39,811 in 1995 (+20,794 daily vehicles).
 - Midtown Highway Bridge (I-495) over Dutch Kills in Queens: up 32.1% to 89,559 daily vehicles in 2005 from 67,810 in 1995 (+21,749 daily vehicles).
 - Whitestone Expressway Bridge over the Flushing River in Queens: up 30.3% to 191,563 daily vehicles in 2005 from 147,029 in 1995 (+44,534 daily vehicles).
 - Fresh Kills Bridge along Richmond Avenue over Richmond Creek in Staten Island: up 41.8% to 66,816 daily vehicles in 2005 from 47,132 in 1995 (19,684 additional daily vehicles).
- There were no major decreases from 1995 to 2005.

1948 - 2015

- During the 67 years from 1948 to 2015, total traffic on the 47 bridges increased 188.0% to 2,661,105 daily vehicles in 2015 from 923,996 in 1948 (1,737,109 additional daily vehicles).
- **East River Bridges**
 - Traffic using the four East River Bridges increased 84.6% to 468,918 daily vehicles in 2015 from 254,068 in 1948 (214,850 additional daily vehicles).
 - Brooklyn Bridge up 176.2% to 102,219 daily vehicles from 37,011 (+65,208 daily vehicles).
 - Ed Koch Queensboro Bridge up 109.7% to 174,447 daily vehicles from 83,201 (+91,246 daily vehicles).
 - Williamsburg Bridge up 123.2% to 105,206 daily vehicles from 47,139 (+58,067 daily vehicles).
- **Harlem River Bridges**
 - Traffic using the nine Harlem River Bridges increased 156.2% to 530,808 daily vehicles in 2015 from 207,177 in 1948 (323,631 additional daily vehicles). This includes the Alexander Hamilton Bridge which opened in January 1963.
 - Willis Avenue Bridge up 115.6% to 63,912 daily vehicles from 29,648 (+34,264 daily vehicles).
 - Broadway Bridge up 111.6%, to 33,897 daily vehicles from 16,020 (+17,877 daily vehicles).
 - Third Avenue Bridge up 78.3% to 55,988 daily vehicles from 31,403 (+24,585 daily vehicles).
 - Washington Bridge up 83.9% to 54,006 daily vehicles from 29,374 (+24,632 daily vehicles).

- **Brooklyn-Queens Bridges**

- Traffic using the four bridges over Newtown Creek increased 238.9% to 260,529 daily vehicles in 2015 from 76,884 in 1948 (183,645 additional daily vehicles).
- Kosciuszko Bridge up 446.8% to 179,137 daily vehicles in 2015 from 32,761 in 1948 (+146,376 daily vehicles).

- **Bronx Bridges**

- Traffic using the eight bridges in The Bronx increased 227.2% to 462,216 daily vehicles in 2015 from 141,247 in 1948 (320,969 additional daily vehicles).
- Hutchinson River Parkway Bridge up 724.6% to 124,390 daily vehicles from 15,085 (+109,305 daily vehicles).
- Eastern Boulevard Bridge up 299.4% to 177,999 daily vehicles from 44,563 (+133,436 daily vehicles).

- **Brooklyn Bridges**

- Traffic using the ten bridges in Brooklyn increased 252.1% to 323,594 daily vehicles in 2015 from 91,917 in 1948 (231,677 additional daily vehicles).
- Mill Basin Bridge up 549.0% to 141,303 daily vehicles in 2015 from 21,773 in 1948 (+119,530 daily vehicles).
- Hamilton Avenue Bridge up 355.4% to 55,266 daily vehicles in 2015 from 12,135 in 1948 (+43,131 daily vehicles).
- Metropolitan Avenue Bridge up 337.0% to 38,191 daily vehicles in 2015 from 8,739 in 1948 (+29,452 daily vehicles).

- **Queens Bridges**

- Traffic using the eleven bridges in Queens increased 279.0% to 557,502 daily vehicles in 2015 from 147,106 in 1948 (410,396 additional daily vehicles).
- Whitestone Expressway Bridge up 665.7% to 208,962 daily vehicles from 27,290 (+181,672 daily vehicles).
- Hook Creek Bridge up 679.6% to 75,001 daily vehicles from 9,620 (+65,381 daily vehicles).
- Midtown Highway Bridge up 195.6% to 84,989 daily vehicles from 28,754 (+56,235 daily vehicles).

- **Staten Island**

- Traffic volume on the Fresh Kills Bridge in Staten Island increased 928.0% to 57,538 daily vehicles in 2015 from 5,597 in 1948 (51,941 additional daily vehicles).

Total NYC Toll Free Bridges
Average Daily Traffic Volumes
1948 - 2015

<i>Year</i>	<i>East River</i>	<i>Harlem River</i>	<i>Brooklyn- Queens</i>	<i>Bronx</i>
1948	254,068	207,177	76,884	141,247
1949	260,933	193,510	65,778	135,682
1950	240,227	222,671	78,998	150,973
1951	269,352	249,199	95,480	145,227
1952	261,704	222,196	108,369	183,453
1953	292,726	248,629	108,718	177,999
1954	297,903	236,056	118,199	183,057
1955	293,633	250,239	116,018	180,249
1956	297,866	266,781	120,881	197,809
1957	297,028	316,530	137,610	184,031
1958	304,470	329,747	110,097	196,948
1959	312,431	342,349	144,137	188,531
1960	322,660	345,199	135,059	205,757
1961	316,813	333,463	145,861	259,905
1962	318,170	313,230	160,540	263,020
1963	333,880	309,090	160,400	291,240
1964	341,030	407,680	172,570	328,190
1965	353,518	401,259	171,379	351,358
1966	355,745	402,487	198,884	354,029
1967	352,936	427,744	197,695	337,982
1968	357,232	362,095	147,024	389,519
1969	379,416	412,992	199,029	378,854
1970	371,743	429,690	194,709	366,604
1971	364,070	432,195	200,624	391,040
1972	390,292	422,364	200,199	345,542
1973	394,290	449,670	168,037	272,116
1974	394,631	439,112	180,771	282,009
1975	404,379	440,354	194,534	284,772
1976	398,248	429,629	190,701	280,315
1977	398,140	442,200	192,432	268,480
1978	400,146	450,758	194,721	301,248
1979	382,028	427,816	201,314	277,666
1980	392,460	446,292	196,019	284,383
1981	395,125	448,323	201,487	287,933
1982	414,984	470,785	179,788	291,600
1983	413,152	491,153	221,703	301,686
1984	428,541	496,949	224,209	306,019
1985	476,032	538,263	225,050	311,072
1986	469,711	546,896	224,816	356,257
1987	460,092	530,228	238,975	362,490
1988	460,858	520,282	222,871	364,570
1989	461,102	539,381	239,889	354,927
1990	448,713	539,563	243,408	343,574
1991	447,969	533,368	236,472	338,921
1992	443,145	537,353	231,197	343,744
1993	431,874	542,306	230,020	336,776
1994	448,263	526,044	231,657	340,515
1995	464,903	521,882	237,305	348,009
1996	463,482	530,950	239,752	361,505
1997	511,410	546,750	258,585	362,846
1998	523,690	560,062	268,324	392,771
1999	516,507	563,182	266,762	403,934
2000	514,767	578,770	279,944	424,946
2001	427,321	568,759	276,288	439,239
2002	467,080	551,831	262,121	437,363
2003	493,418	549,510	275,737	448,186
2004	507,589	552,421	275,654	453,006
2005	498,213	561,392	280,189	459,149
2006	494,576	557,043	265,298	456,001
2007	496,666	557,925	263,326	453,636
2008	477,211	539,434	258,759	454,313
2009	485,313	543,736	263,638	449,209
2010	487,301	549,574	267,112	461,072
2011	478,203	544,642	267,075	447,178
2012	480,259	547,207	272,058	447,813
2013	477,147	558,163	269,845	456,730
2014	469,907	537,888	265,928	460,392
2015	468,918	530,808	260,529	462,216

Total NYC Toll Free Bridges (continued)
Average Daily Traffic Volumes
1948 - 2015

<i>Year</i>	<i>Brooklyn</i>	<i>Queens</i>	<i>Staten Island</i>	<i>Totals</i>
1948	91,917	147,106	5,597	923,996
1949	111,439	173,925	5,759	947,026
1950	122,058	180,610	6,250	1,001,787
1951	140,124	200,163	8,023	1,107,568
1952	127,050	212,687	7,891	1,123,350
1953	141,728	220,866	7,858	1,198,524
1954	154,877	221,700	9,098	1,220,890
1955	140,907	218,696	9,841	1,209,583
1956	157,758	265,239	9,415	1,315,749
1957	153,756	261,111	9,897	1,359,963
1958	179,537	256,536	10,121	1,387,456
1959	176,508	264,201	8,573	1,436,730
1960	181,995	259,348	8,147	1,458,165
1961	207,273	265,848	10,270	1,539,433
1962	217,232	257,140	9,400	1,538,732
1963	210,610	288,190	12,450	1,605,860
1964	213,469	312,090	15,010	1,790,039
1965	241,570	310,588	15,539	1,845,211
1966	223,516	313,379	17,175	1,865,215
1967	211,307	354,637	17,309	1,899,610
1968	248,667	387,512	19,789	1,911,838
1969	251,115	387,146	22,379	2,030,931
1970	238,020	400,381	21,631	2,022,778
1971	241,116	402,853	26,744	2,058,642
1972	240,091	387,808	28,455	2,014,751
1973	226,608	407,538	37,213	1,955,472
1974	240,762	403,573	36,207	1,977,065
1975	234,623	390,507	38,684	1,987,853
1976	237,416	387,662	34,675	1,958,646
1977	228,117	387,403	30,295	1,947,067
1978	226,627	410,037	34,467	2,018,004
1979	247,018	393,749	36,806	1,966,397
1980	242,682	384,581	41,604	1,988,021
1981	240,109	432,886	46,947	2,052,810
1982	258,284	439,128	68,481	2,123,050
1983	253,358	446,926	46,450	2,174,428
1984	274,583	449,118	50,341	2,229,760
1985	275,566	450,396	53,590	2,329,969
1986	271,818	456,171	44,230	2,369,899
1987	271,080	466,965	50,372	2,380,202
1988	281,731	473,735	50,385	2,374,432
1989	299,865	461,819	36,550	2,393,533
1990	320,122	450,319	53,442	2,399,141
1991	273,185	466,539	49,197	2,345,651
1992	310,084	484,835	48,507	2,398,865
1993	308,495	467,195	49,969	2,366,635
1994	302,135	478,793	48,562	2,375,969
1995	300,832	474,342	47,132	2,394,405
1996	315,395	495,873	49,740	2,456,697
1997	318,101	503,323	51,738	2,552,753
1998	322,057	522,899	53,770	2,643,573
1999	338,261	541,114	65,577	2,695,337
2000	331,090	551,329	66,980	2,747,826
2001	335,404	551,116	67,465	2,665,592
2002	329,749	554,458	64,563	2,667,165
2003	331,805	562,107	66,155	2,726,918
2004	335,921	549,619	64,705	2,738,915
2005	331,523	560,520	66,816	2,757,802
2006	328,620	552,642	65,274	2,719,454
2007	333,955	562,062	68,997	2,736,567
2008	327,644	544,089	64,724	2,666,174
2009	330,614	542,678	64,490	2,679,678
2010	327,984	538,197	65,612	2,696,852
2011	317,516	533,007	60,678	2,648,299
2012	322,259	555,713	58,026	2,683,335
2013	326,908	563,650	60,240	2,712,683
2014	322,391	550,764	59,602	2,666,872
2015	323,594	557,502	57,538	2,661,105

NYC Tolled Facilities
Average Daily Traffic Volumes
1948 - 2015

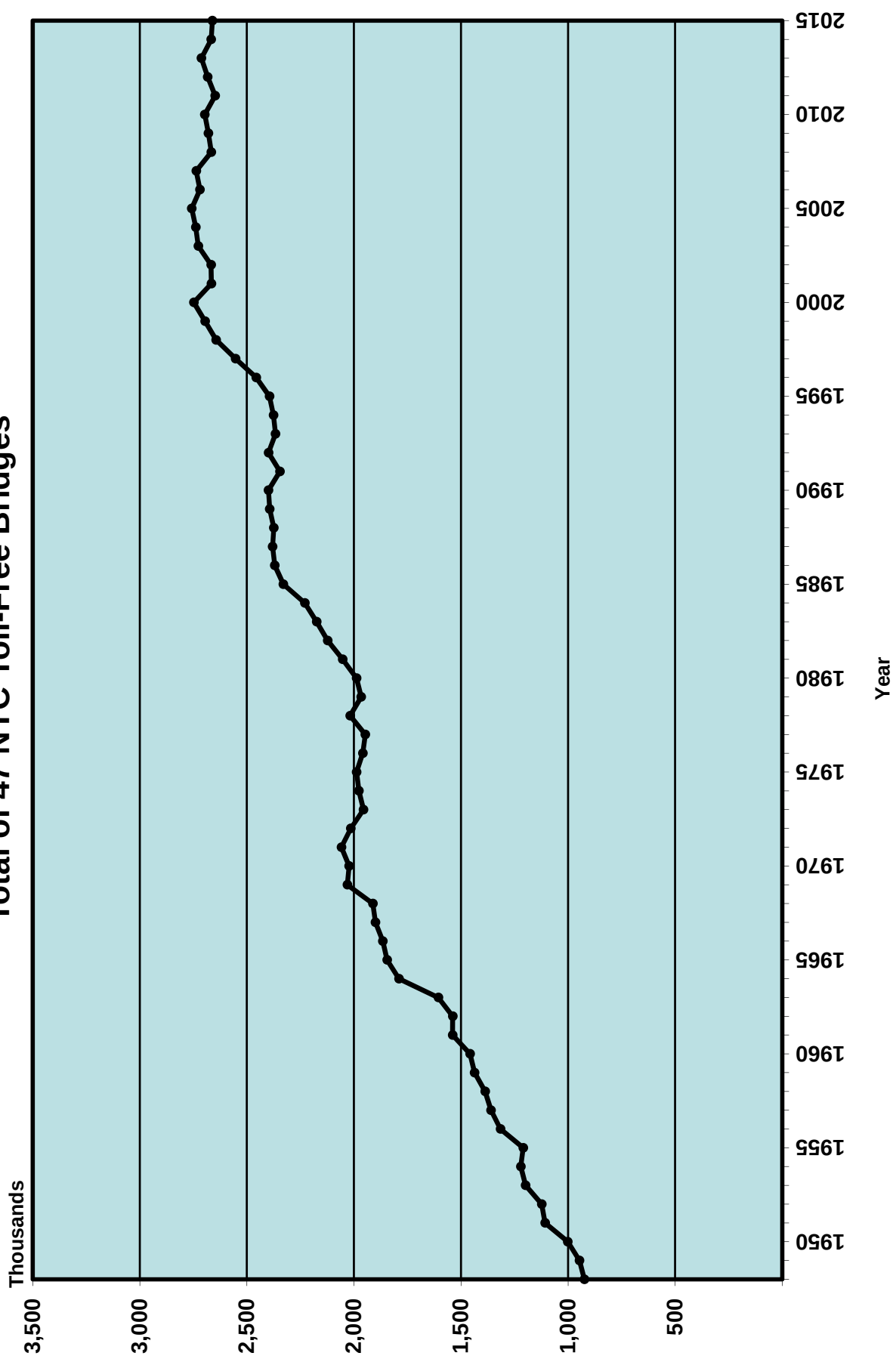
<i>Year</i>	<i>MTABT Manhattan</i>	<i>PANYNJ Manhattan</i>	<i>MTABT Outer Boro</i>	<i>PANYNJ Staten Is</i>	<i>Total</i>
1948	92,977	115,785	80,977	13,214	302,953
1949	110,071	129,943	97,117	14,628	351,759
1950	161,856	146,653	109,454	16,431	434,394
1951	180,272	166,150	124,391	18,335	489,148
1952	194,327	181,253	133,747	19,143	528,470
1953	200,535	194,577	143,873	20,598	559,583
1954	204,616	202,394	153,811	21,554	582,375
1955	216,835	211,926	167,176	22,685	618,622
1956	231,535	213,088	176,644	22,202	643,469
1957	236,343	218,623	176,042	22,614	653,622
1958	232,413	221,494	174,187	21,953	650,047
1959	231,501	237,021	183,224	22,978	674,724
1960	230,768	239,620	184,606	22,856	677,850
1961	227,241	236,833	144,600	25,374	634,048
1962	233,010	250,646	199,418	26,338	709,412
1963	225,100	265,603	213,940	27,398	732,041
1964	236,513	285,824	236,709	29,980	789,026
1965	240,949	293,339	301,459	44,828	880,575
1966	243,107	303,981	316,984	50,978	915,050
1967	244,038	308,153	329,918	54,051	936,160
1968	247,924	320,292	352,823	58,654	979,693
1969	254,863	329,123	365,734	63,053	1,012,773
1970	271,063	347,838	384,121	68,920	1,071,942
1971	286,692	362,063	401,495	74,758	1,125,008
1972	252,871	378,620	388,743	77,018	1,097,252
1973	251,593	397,203	402,096	81,034	1,131,926
1974	242,846	376,547	395,168	80,544	1,095,105
1975	214,120	374,707	381,450	81,060	1,051,337
1976	217,207	381,250	382,313	80,864	1,061,634
1977	229,766	385,013	384,470	85,536	1,084,785
1978	241,125	399,512	398,634	88,998	1,128,269
1979	251,544	393,724	395,516	92,164	1,132,948
1980	255,858	404,734	399,855	97,774	1,158,221
1981	269,854	427,381	417,974	101,644	1,216,853
1982	253,499	433,744	432,273	106,672	1,226,188
1983	263,510	441,164	446,596	113,786	1,265,056
1984	262,985	453,775	457,565	118,928	1,293,253
1985	275,858	468,452	475,782	126,466	1,346,558
1986	274,693	485,751	475,218	138,436	1,374,098
1987	289,642	486,639	482,429	139,734	1,398,444
1988	293,550	490,179	494,073	143,062	1,420,864
1989	275,358	487,693	475,447	140,051	1,378,549
1990	289,066	482,243	488,042	138,340	1,397,691
1991	295,265	467,501	488,953	141,454	1,393,173
1992	300,203	476,872	491,171	145,380	1,413,626
1993	282,159	473,069	478,703	140,775	1,374,706
1994	263,351	473,799	490,288	143,875	1,371,313
1995	293,574	482,098	498,104	143,657	1,417,433
1996	281,116	493,194	493,813	146,565	1,414,688
1997	283,686	504,788	488,923	151,578	1,428,975
1998	293,990	522,512	515,970	156,786	1,489,258
1999	303,966	549,352	522,677	166,890	1,542,885
2000	313,504	548,465	537,334	164,668	1,563,971
2001	257,937	458,944	551,948	177,251	1,446,080
2002	305,300	532,839	554,237	179,140	1,571,516
2003	307,034	547,449	547,068	174,582	1,576,133
2004	312,159	536,396	559,962	174,268	1,582,785
2005	297,411	527,717	530,284	171,653	1,527,065
2006	317,751	537,748	560,727	175,914	1,592,140
2007	312,253	513,974	548,552	170,228	1,545,007
2008	305,993	508,269	555,680	165,776	1,535,718
2009	294,156	504,860	544,642	165,504	1,509,162
2010	305,297	506,546	545,798	168,132	1,525,773
2011	294,293	491,109	526,428	169,536	1,481,366
2012	296,626	482,557	528,998	163,706	1,471,887
2013	292,355	479,819	530,329	158,267	1,460,770
2014	290,406	477,812	529,749	155,618	1,453,585
2015	297,794	498,270	554,882	163,218	1,514,164

PANYNJ one-way tolls initiated 8/12/1970.

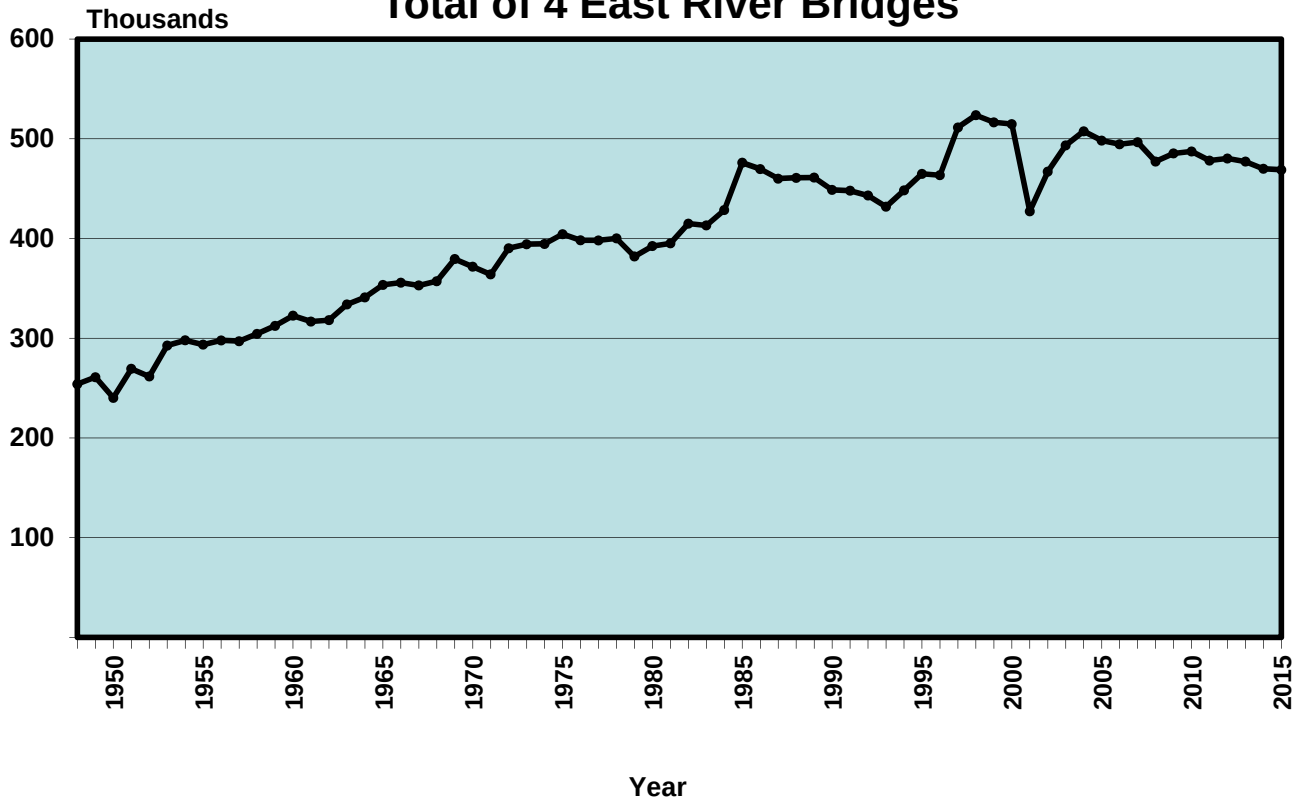
PANYNJ toll increases: 5/1975, 1/1984, 4/1987, 4/1991, 3/2001, 3/2008, 9/2011, 12/2012, 12/2013, 12/2014, & 12/2015.

MTABT toll Increases: 1/1972, 9/1975, 5/1980, 4/1982, 1/1984, 1/1986, 2/1987, 7/1989, 1/1993, 3/1996, 5/2003, 3/2005, 3/2008, 7/2009, 12/2010, 3/2013, & 3/2015.

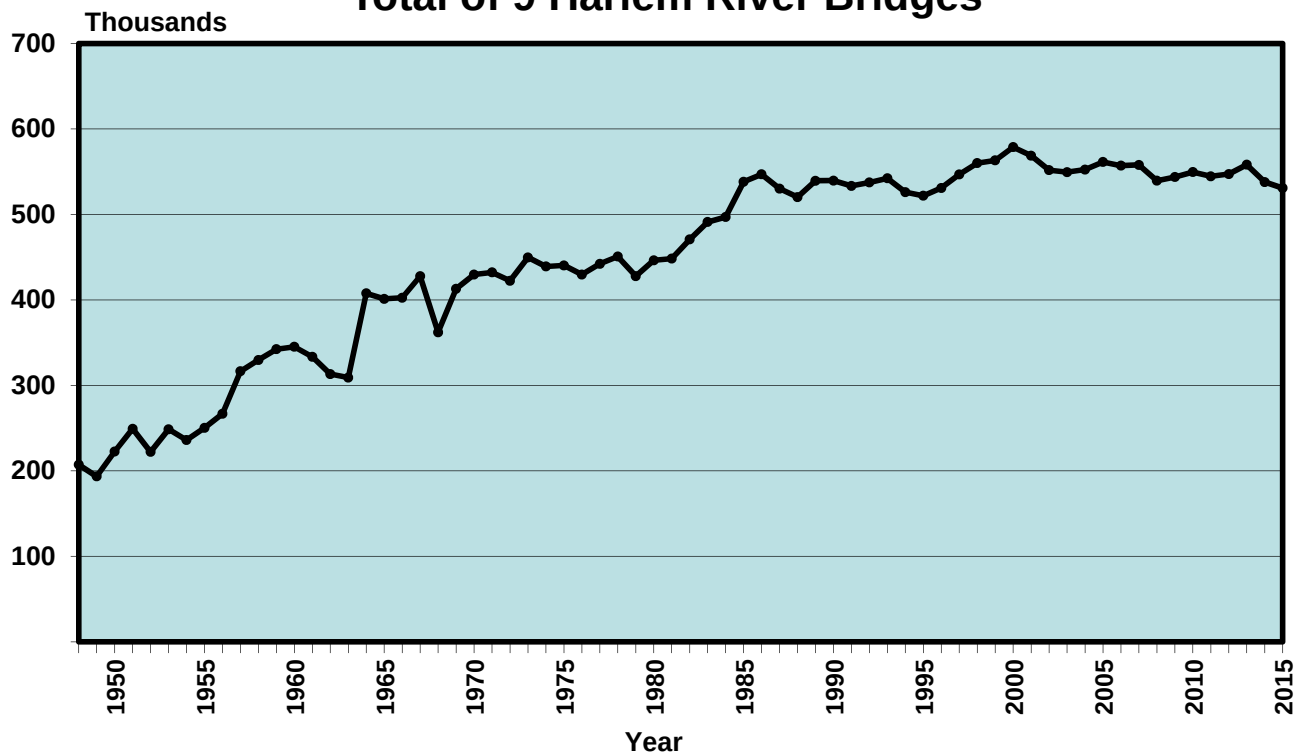
**Average Daily Traffic Volumes ~ Total of Both Directions
Total of 47 NYC Toll-Free Bridges**



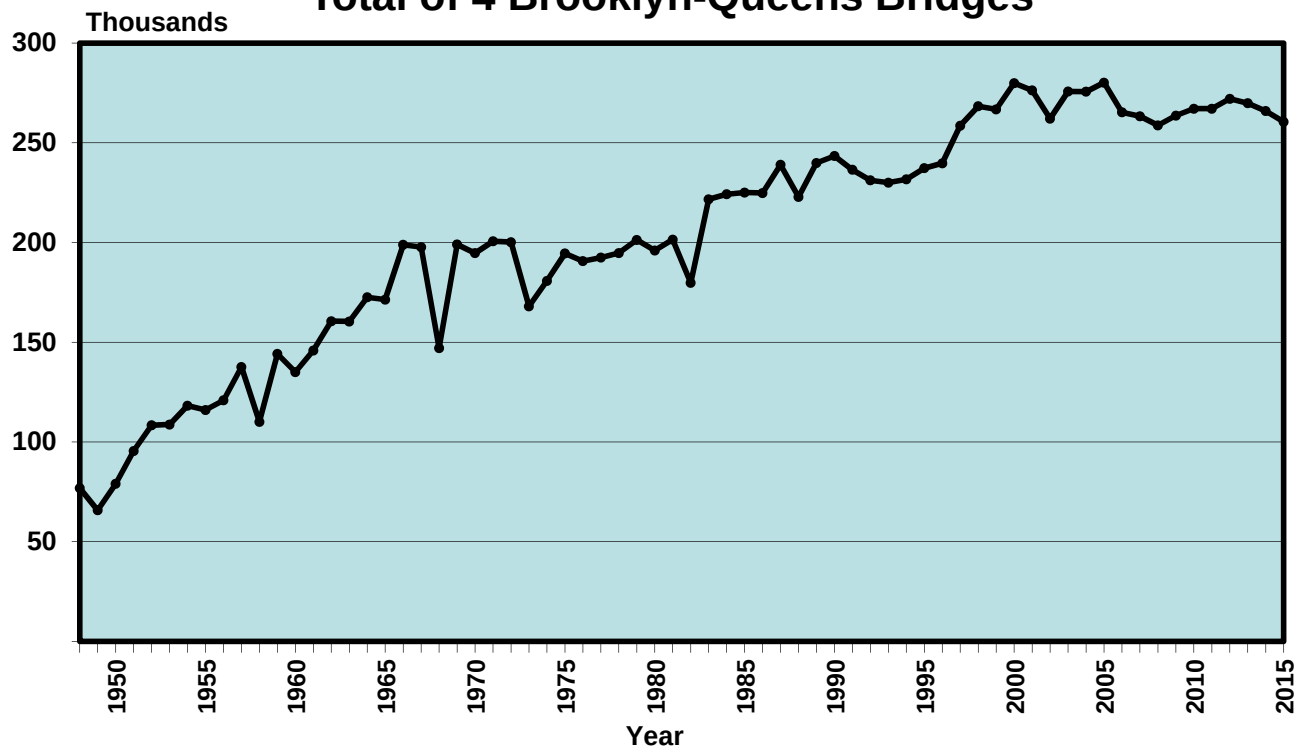
Average Daily Traffic Volumes ~ Total of Both Directions Total of 4 East River Bridges



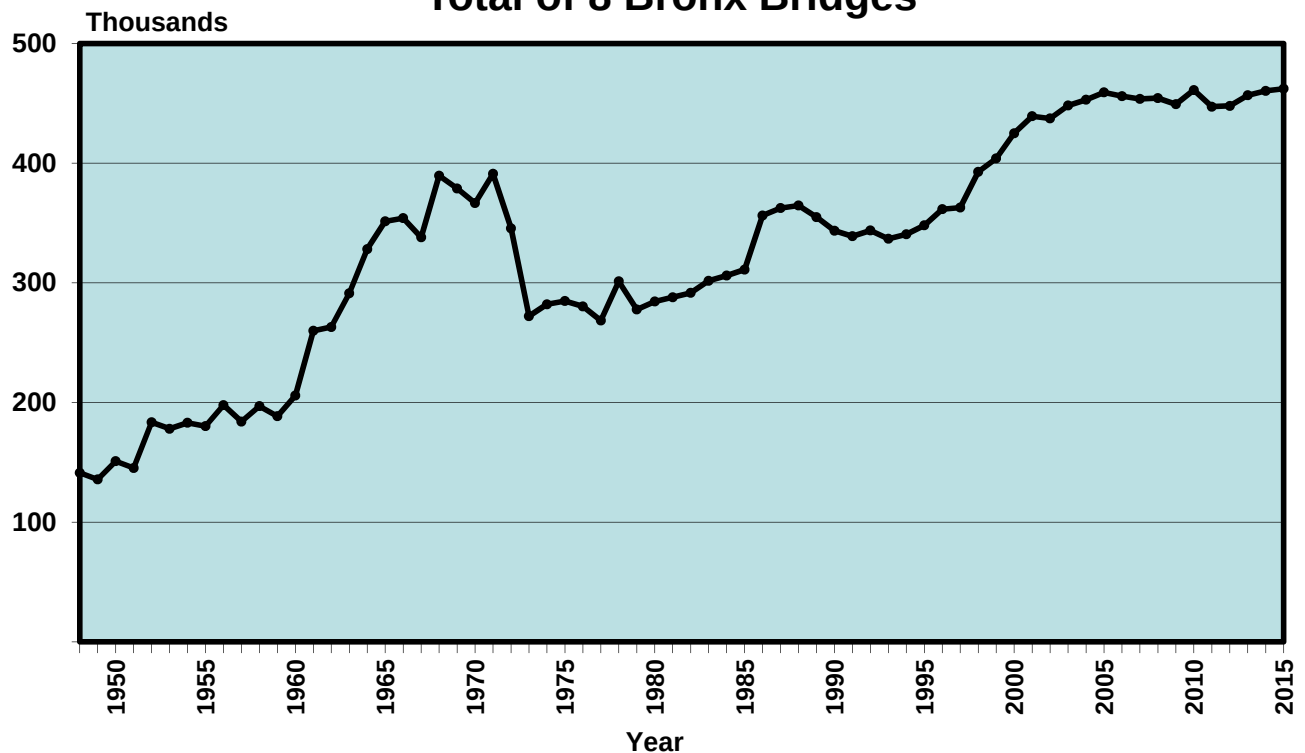
Average Daily Traffic Volumes ~ Total of Both Directions Total of 9 Harlem River Bridges



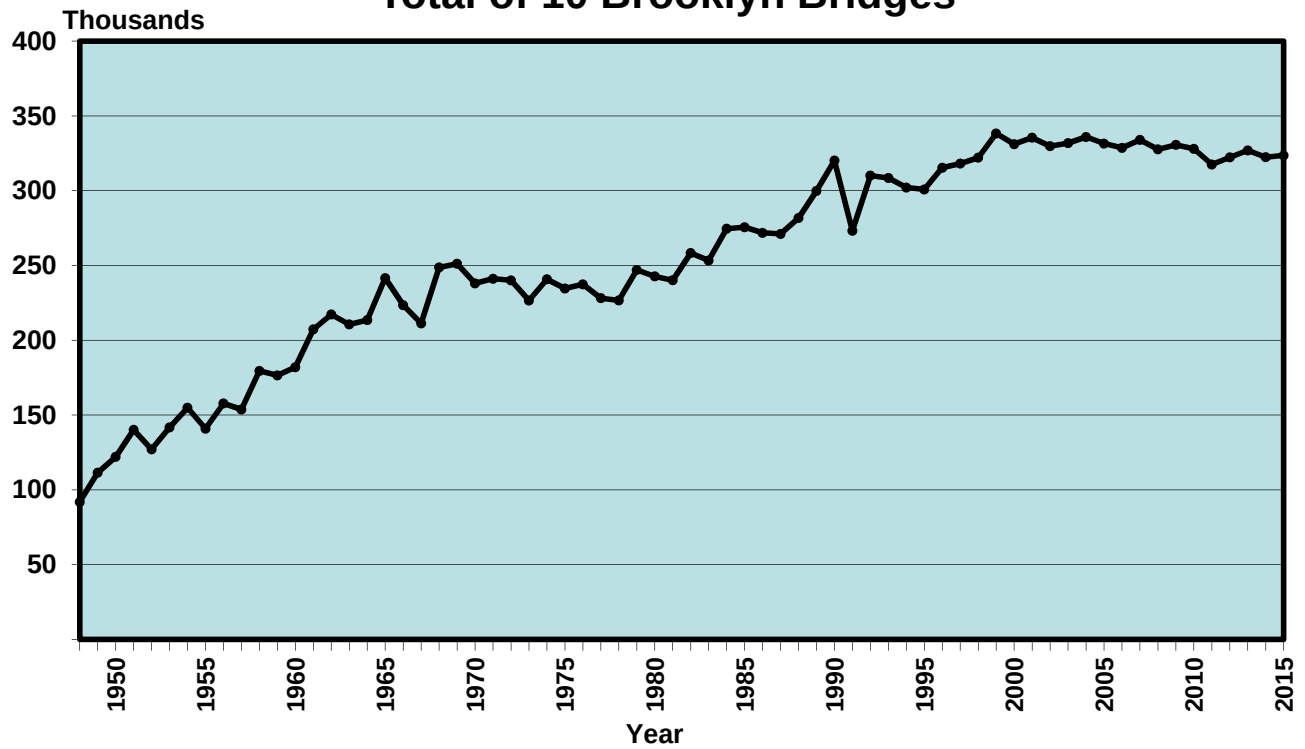
Average Daily Traffic Volumes ~ Total of Both Directions Total of 4 Brooklyn-Queens Bridges



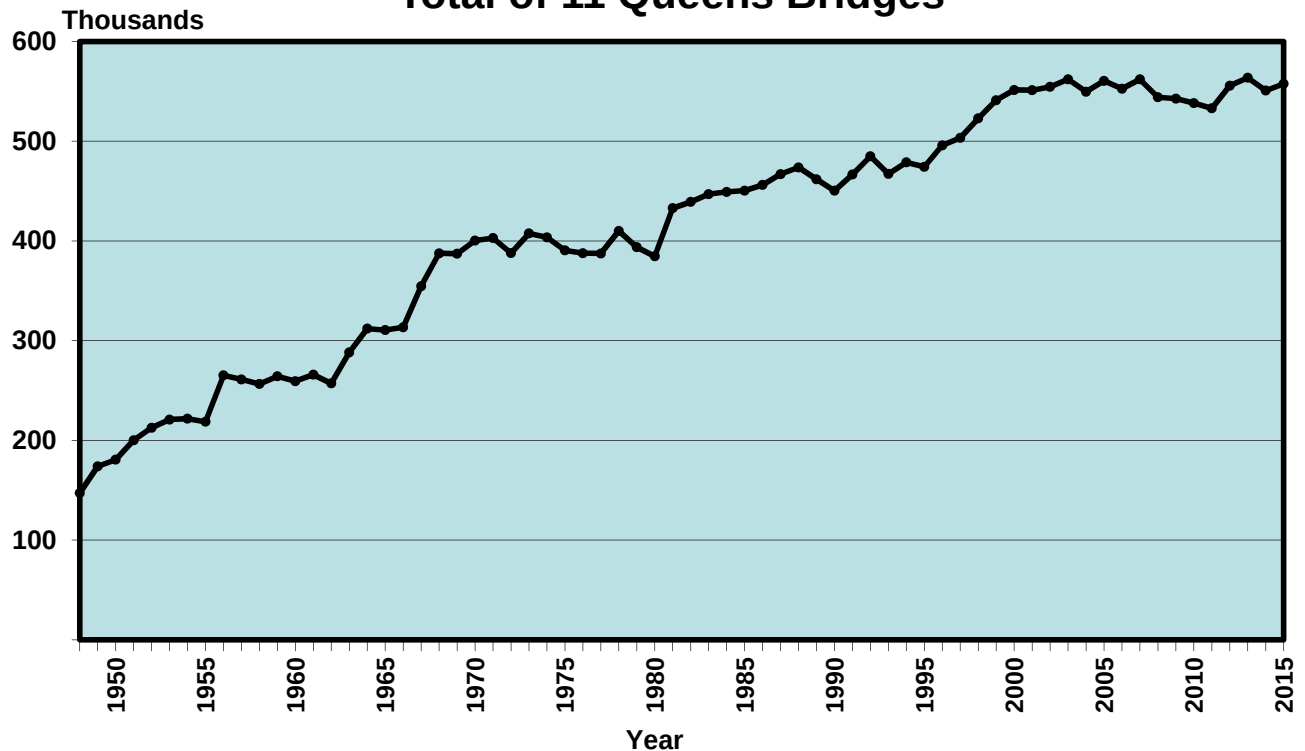
Average Daily Traffic Volumes ~ Total of Both Directions Total of 8 Bronx Bridges



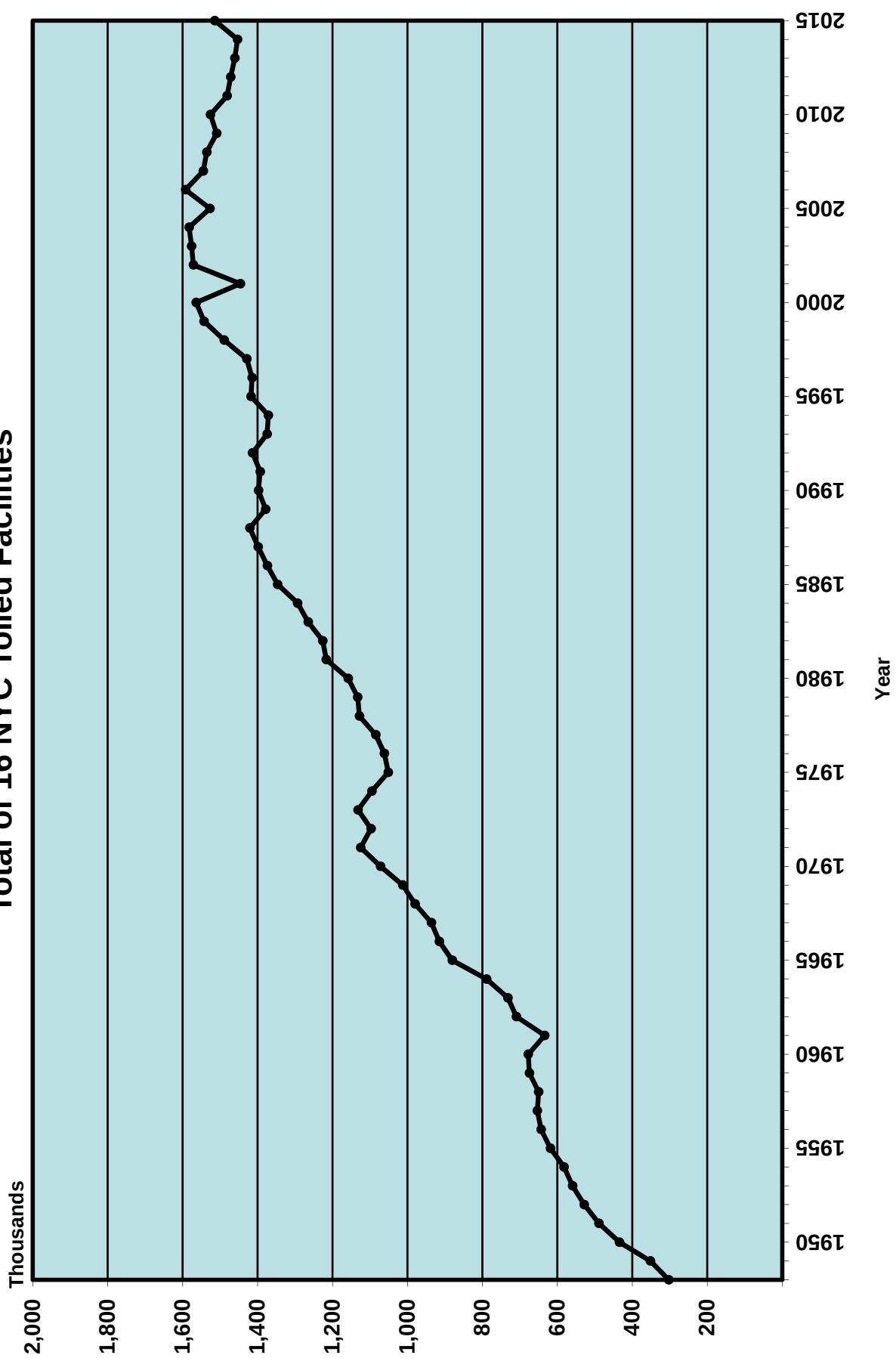
Average Daily Traffic Volumes ~ Total of Both Directions Total of 10 Brooklyn Bridges



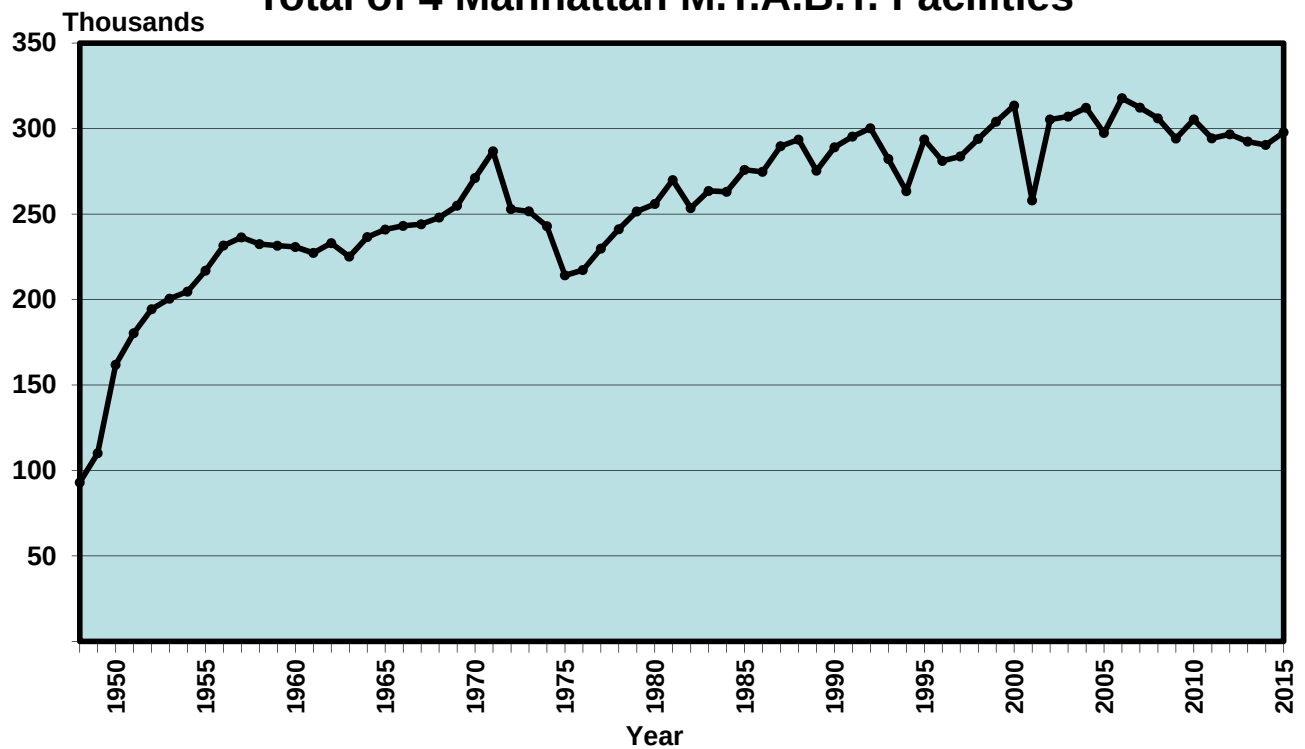
Average Daily Traffic Volumes ~ Total of Both Directions Total of 11 Queens Bridges



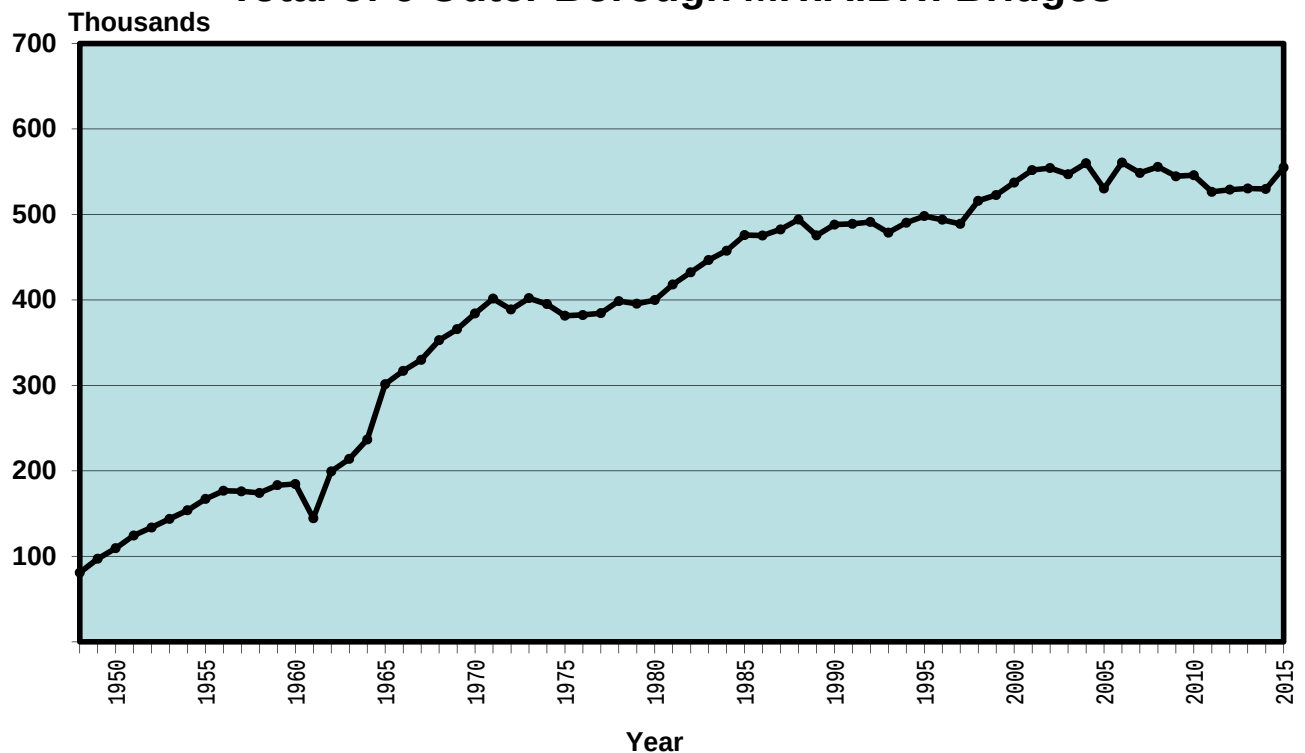
Average Daily Traffic Volumes ~ Total of Both Directions
Total of 16 NYC Tolled Facilities



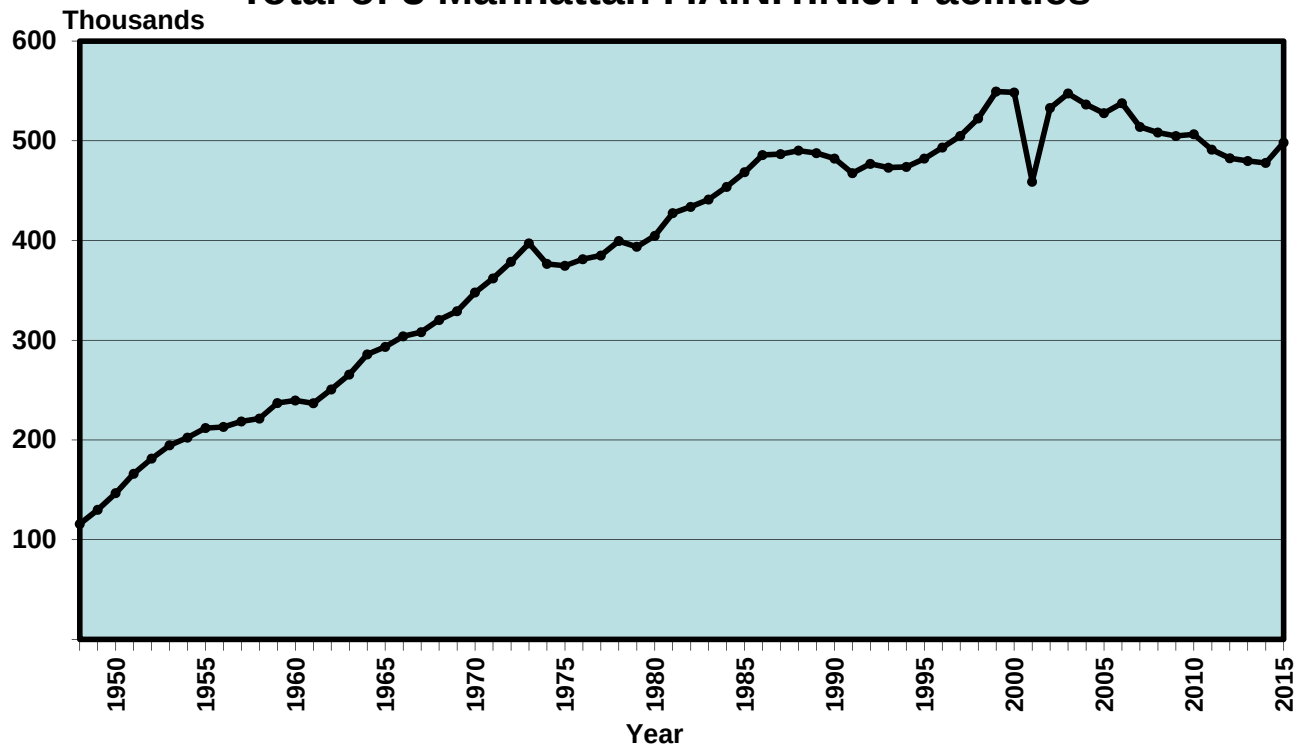
Average Daily Traffic Volumes ~ Total of Both Directions Total of 4 Manhattan M.T.A.B.T. Facilities



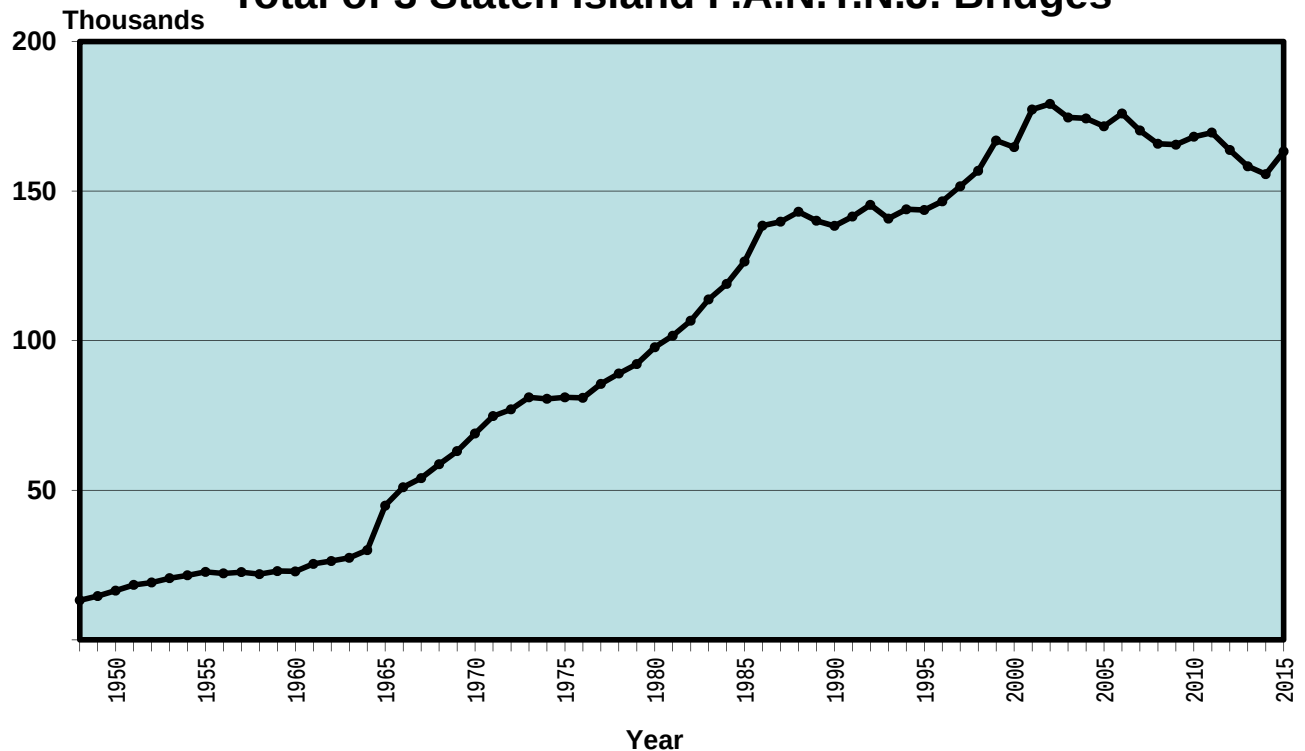
Average Daily Traffic Volumes ~ Total of Both Directions Total of 6 Outer Borough M.T.A.B.T. Bridges



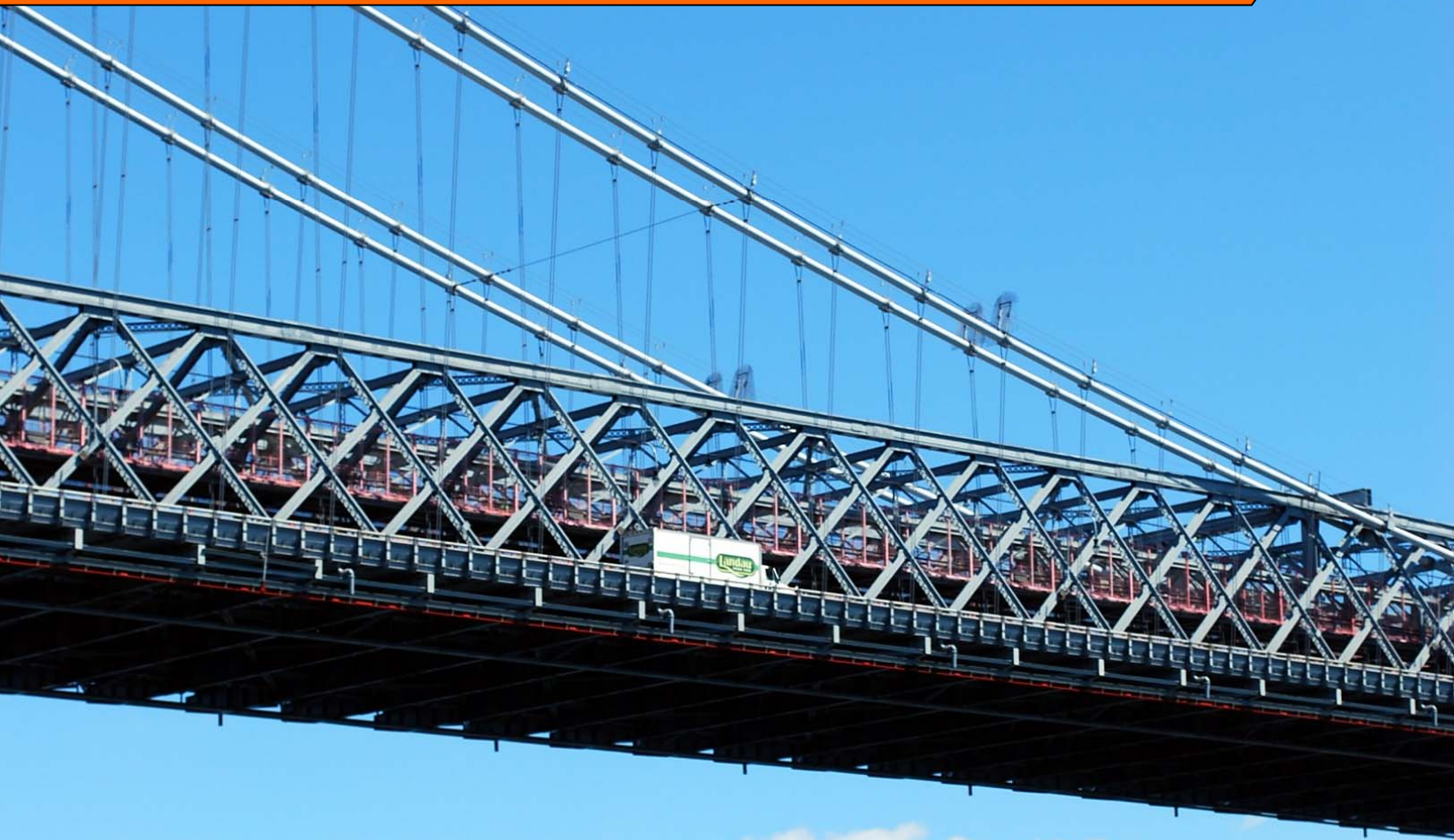
Average Daily Traffic Volumes ~ Total of Both Directions Total of 3 Manhattan P.A.N.Y.N.J. Facilities



Average Daily Traffic Volumes ~ Total of Both Directions Total of 3 Staten Island P.A.N.Y.N.J. Bridges



East River Bridges

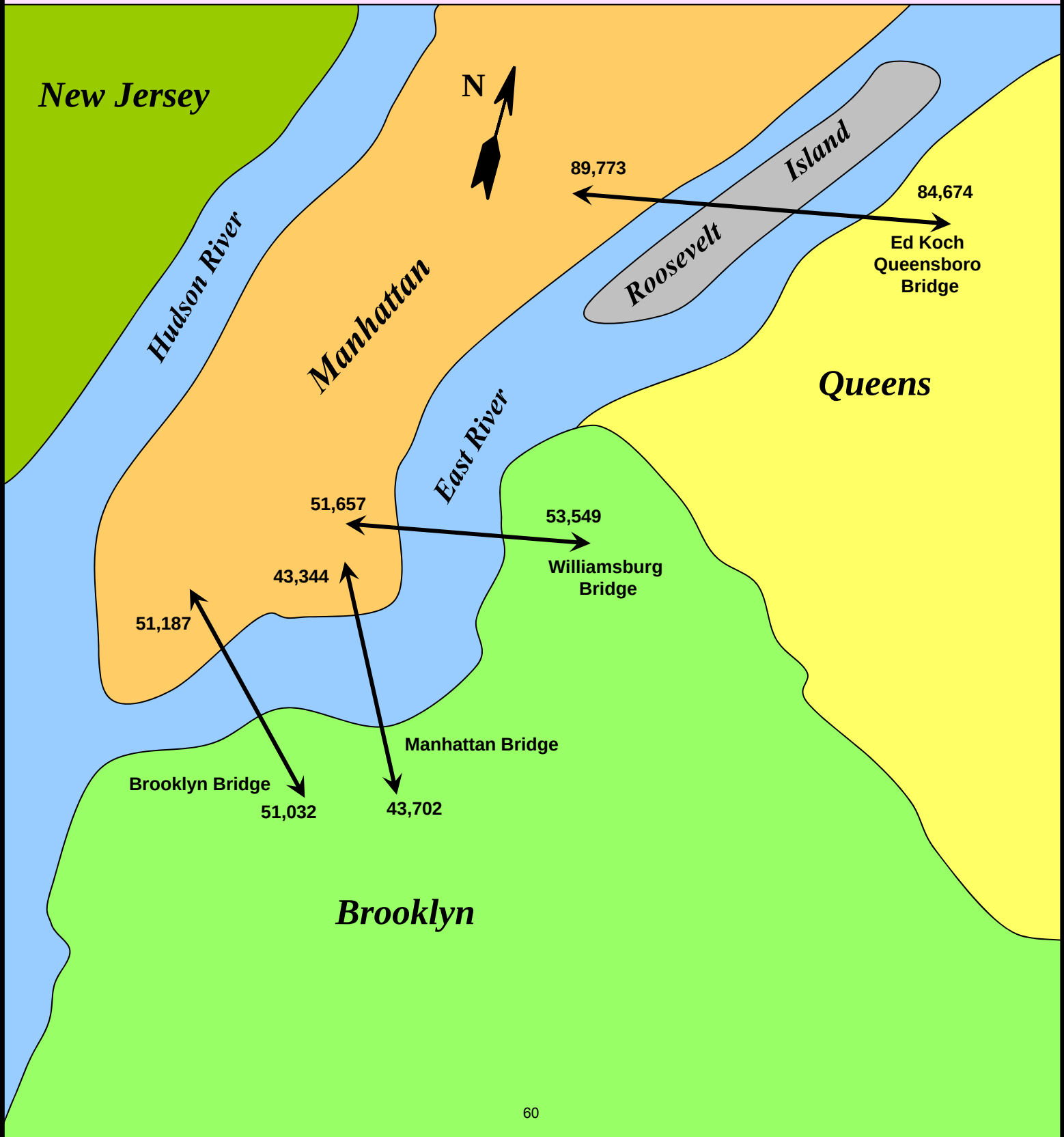


Williamsburg Bridge



East River Bridges

2015 Daily Volumes



East River Bridges
Average Daily Traffic Volumes
1948 - 2015

<i>Year</i>	<i>Brooklyn Bridge</i>	<i>Ed Koch Queensboro Bridge</i>	<i>Manhattan Bridge</i>	<i>Williamsburg Bridge</i>	<i>Totals</i>
1948	37,011	83,201	86,717	47,139	254,068
1949	37,244	88,821	80,420	54,448	260,933
1950	13,397	84,863	84,027	57,940	240,227
1951	14,865	90,922	100,826	62,739	269,352
1952	16,907	85,748	96,476	62,573	261,704
1953	14,513	106,391	94,320	77,502	292,726
1954	42,455	101,285	77,698	76,465	297,903
1955	53,964	91,958	66,968	80,743	293,633
1956	54,981	90,786	69,656	82,443	297,866
1957	23,852	93,676	89,793	89,707	297,028
1958	43,089	100,555	82,128	78,698	304,470
1959	53,115	103,522	74,329	81,465	312,431
1960	73,486	107,536	60,481	81,157	322,660
1961	68,997	104,505	62,797	80,514	316,813
1962	78,850	105,930	51,450	81,940	318,170
1963	78,770	116,350	58,510	80,250	333,880
1964	80,230	120,900	59,250	80,650	341,030
1965	84,141	117,588	71,222	80,567	353,518
1966	89,124	122,896	63,693	80,032	355,745
1967	87,387	124,033	75,741	65,775	352,936
1968	72,475	130,777	79,906	74,074	357,232
1969	97,565	132,553	75,473	73,825	379,416
1970	100,050	126,554	72,077	73,062	371,743
1971	102,535	120,555	68,681	72,299	364,070
1972	103,815	136,455	73,803	76,219	390,292
1973	102,834	138,066	73,401	79,989	394,290
1974	99,959	138,560	77,198	78,914	394,631
1975	103,750	144,252	74,320	82,057	404,379
1976	102,590	145,130	68,057	82,471	398,248
1977	104,532	146,283	64,835	82,490	398,140
1978	104,848	138,415	74,257	82,626	400,146
1979	91,319	133,966	75,403	81,340	382,028
1980	103,954	127,929	77,914	82,663	392,460
1981	102,572	127,864	79,589	85,100	395,125
1982	110,991	136,864	87,760	79,369	414,984
1983	115,825	125,158	85,222	86,947	413,152
1984	110,432	134,107	89,104	94,898	428,541
1985	116,929	150,892	100,825	107,386	476,032
1986	126,555	158,191	77,784	107,181	469,711
1987	123,523	151,688	77,519	107,362	460,092
1988	129,153	153,841	75,221	102,643	460,858
1989	131,951	152,591	68,593	107,967	461,102
1990	129,626	140,063	69,550	109,474	448,713
1991	128,491	131,438	72,695	115,345	447,969
1992	125,643	141,078	78,117	98,307	443,145
1993	134,793	135,964	74,526	86,591	431,874
1994	134,837	151,483	78,418	83,525	448,263
1995	131,883	157,306	75,126	100,588	464,903
1996	131,872	161,965	81,075	88,570	463,482
1997	147,898	184,179	83,209	96,124	511,410
1998	144,131	192,119	78,172	109,268	523,690
1999	127,065	189,190	92,311	107,941	516,507
2000	147,767	182,940	75,684	108,376	514,767
2001	95,586	176,469	73,064	82,202	427,321
2002	121,145	176,419	66,152	103,364	467,080
2003	134,444	184,964	73,767	100,243	493,418
2004	137,563	180,369	79,129	110,528	507,589
2005	132,210	178,610	80,363	107,030	498,213
2006	126,805	186,110	74,621	107,040	494,576
2007	131,551	181,365	73,205	110,545	496,666
2008	123,781	176,306	70,341	106,783	477,211
2009	125,021	180,162	71,936	108,194	485,313
2010	123,640	177,695	74,777	111,189	487,301
2011	105,820	183,401	85,392	103,590	478,203
2012	100,288	178,188	89,087	112,696	480,259
2013	102,542	171,556	87,375	115,674	477,147
2014	99,986	174,239	84,048	111,634	469,907
2015	102,219	174,447	87,046	105,206	468,918

Hourly Vehicular Volumes Brooklyn Bridge - 2015

Eastbound to Brooklyn

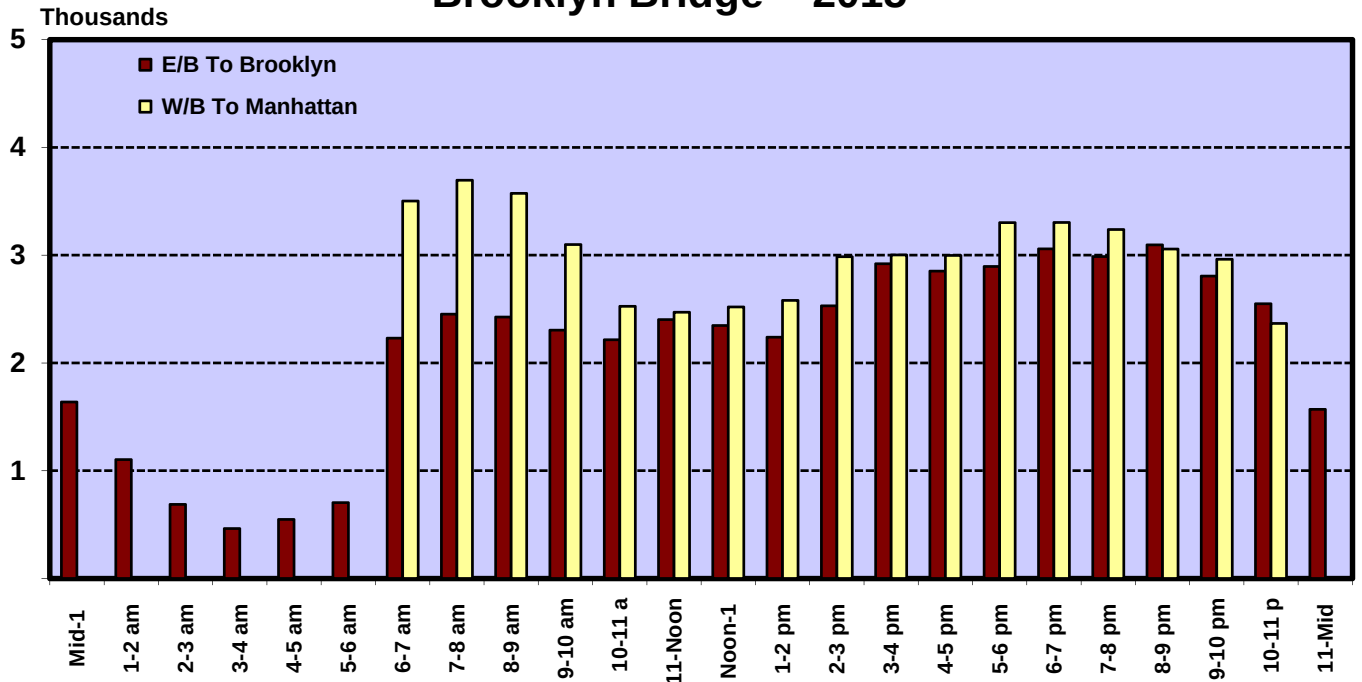
Westbound to Manhattan

FHWA Classes ▲	Commuter Vans							Commuter Vans							2-Way Grand Totals				
	Autos & Motorcycles			Commercial Vans			Single Unit Trucks	Tractor Trailers	Total Vehicles	Autos & Motorcycles			Commercial Vans			Single Unit Trucks	Tractor Trailers	Total Vehicles	
	1 & 2	3	4	Buses	5 - 7	8 - 13				1 & 2	3	4	Buses	5 - 7					8 - 13
12-1am	1,636	1	1	1	0	0	1,638												1,638
1-2am	1,099	4	1	1	0	0	1,104												1,104
2-3am	685	3	0	0	0	0	688												688
3-4am	459	4	0	0	0	0	463												463
4-5am	540	6	2	2	0	0	548												548
5-6am	694	9	1	1	0	0	704												704
6-7am	2,186	33	10	10	1	0	2,230	3,380	41	80	2	2	0				3,503		5,733
7-8am	2,403	31	18	18	1	0	2,453	3,631	24	39	2	2	0				3,696	**	6,149
8-9am	2,367	38	20	20	1	0	2,426	3,534	28	9	3	3	0				3,574		6,000
9-10am	2,238	41	25	25	1	0	2,305	3,058	25	10	6	6	0				3,099		5,404
10-11am	2,174	26	16	16	0	0	2,216	2,490	20	10	6	6	0				2,526		4,742
11-12am	2,334	45	23	23	0	0	2,402	2,421	31	12	7	7	0				2,471		4,873
12-1pm	2,284	41	22	22	0	0	2,347	2,475	21	22	2	2	0				2,520		4,867
1-2pm	2,180	33	25	25	1	0	2,239	2,493	33	46	9	9	0				2,581		4,820
2-3pm	2,460	34	36	36	1	0	2,531	2,925	30	29	2	2	0				2,986		5,517
3-4pm	2,858	30	33	33	0	0	2,921	2,934	34	34	1	1	0				3,003		5,924
4-5pm	2,803	29	20	20	1	0	2,853	2,949	31	16	2	2	0				2,998		5,851
5-6pm	2,847	31	17	17	0	0	2,895	3,263	22	15	2	2	0				3,302	**	6,197
6-7pm	2,998	46	14	14	1	0	3,059	3,264	25	13	2	2	0				3,304		6,363
7-8pm	2,951	32	5	5	0	0	2,988	3,216	16	6	0	0	0				3,238		6,226
8-9pm	3,080	14	2	2	0	0	3,096	3,032	21	2	2	2	0				3,057		6,153
9-10pm	2,794	12	1	1	0	0	2,807	2,934	24	3	1	1	0				2,962		5,769
10-11pm	2,545	5	0	0	0	0	2,550	2,347	17	0	3	3	0				2,367		4,917
11-12pm	1,565	3	1	1	0	0	1,569	0	0	0	0	0	0				0		1,569
Totals	50,180	551	293	293	8	0	51,032	50,346	443	346	52	52	0				51,187		102,219
7-10am	7,008	110	63	63	3	0	7,184	10,223	77	58	11	11	0				10,369		17,553
10am-1pm	6,792	112	61	61	0	0	6,965	7,386	72	44	15	15	0				7,517		14,482
1-4pm	7,498	97	94	94	2	0	7,691	8,352	97	109	12	12	0				8,570		16,261
4-7pm	8,648	106	51	51	2	0	8,807	9,476	78	44	6	6	0				9,604		18,411
7am-7pm	29,946	425	269	269	7	0	30,647	35,437	324	255	44	44	0				36,060		66,707
6-10am	9,194	143	73	73	4	0	9,414	13,603	118	138	13	13	0				13,872		23,286
3-7pm	11,506	136	84	84	2	0	11,728	12,410	112	78	7	7	0				12,607		24,335
6am-7pm	32,132	458	279	279	8	0	32,877	38,817	365	335	46	46	0				39,563		72,440

Based on March 2006 Classification Survey Data.

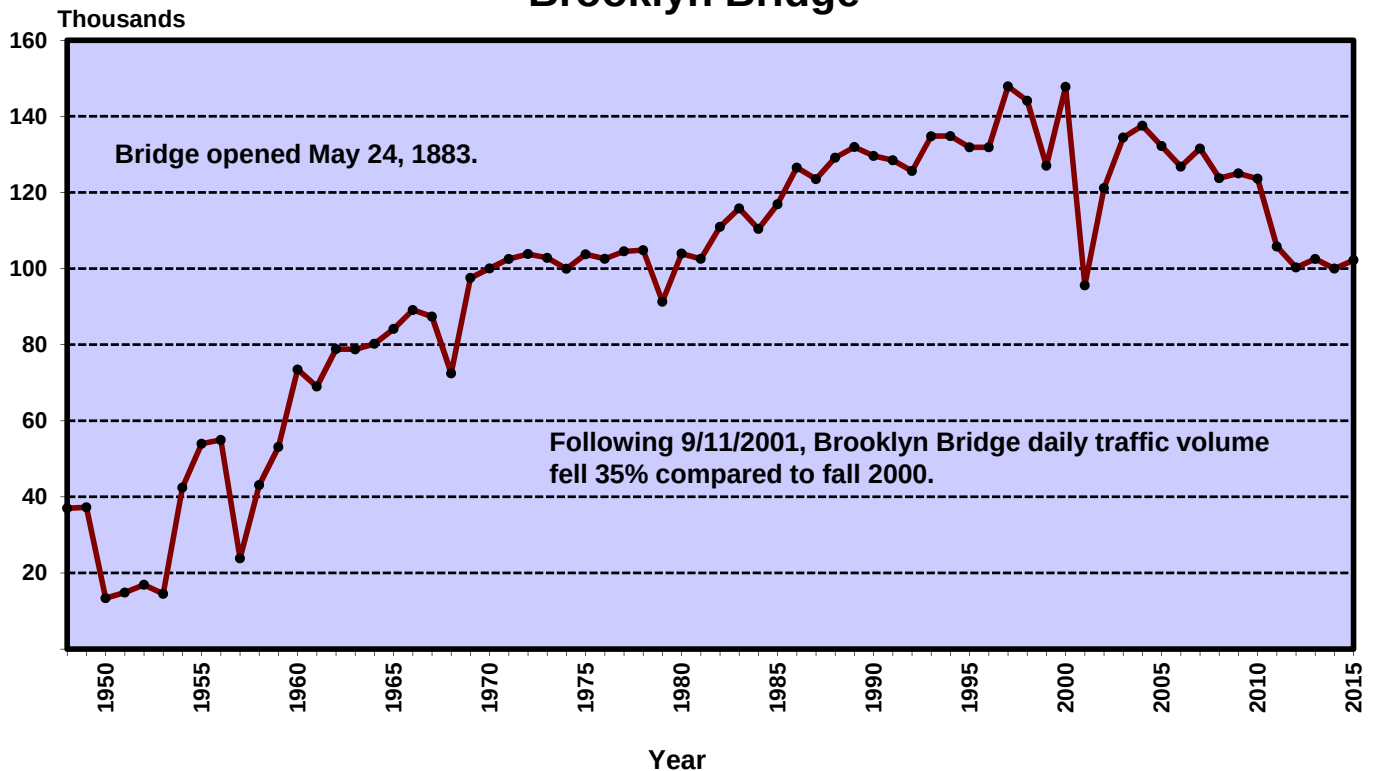
** Peak Volumes

Hourly Vehicular Volumes Brooklyn Bridge ~ 2015



Note: Bridge closed overnight Manhattan-bound for reconstruction during 2011, 2012, 2013, 2014, and 2015.

Average Daily Traffic Volumes ~ Total of Both Directions Brooklyn Bridge



Hourly Vehicular Volumes

Ed Koch Queensboro Bridge - 2015

Eastbound to Queens

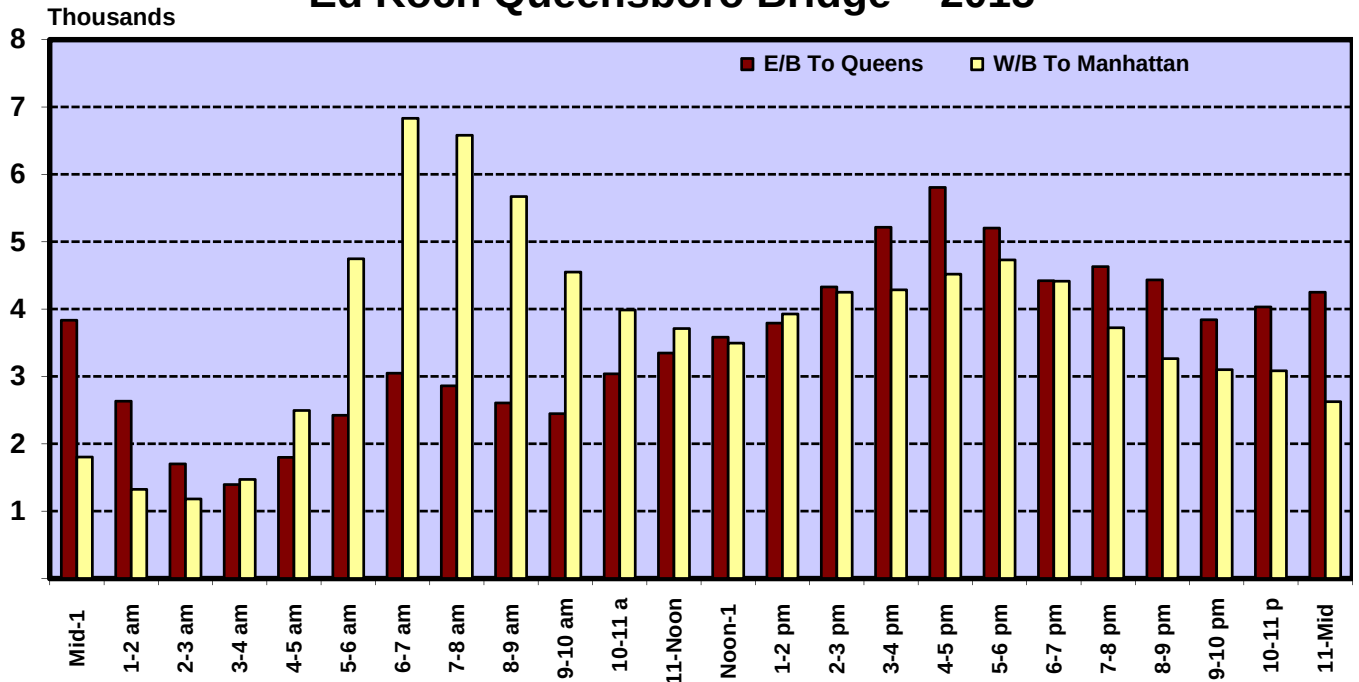
Westbound to Manhattan

FHWA Classes ►	Commercial Vans, Panel Trucks, Pickups,						Commercial Vans, Panel Trucks, Pickups,						Total Vehicles	Multiple Unit Trucks	Single Unit Trucks	Buses	5 - 7	8 - 13	2-Way Grand Totals
	Autos, Motorcycles	Taxis, Liveries, Limos	Police, Fleet Vehicles	Police, Fleet Vehicles	Police, Fleet Vehicles	Police, Fleet Vehicles	Autos, Motorcycles	Taxis, Liveries, Limos	Police, Fleet Vehicles	Police, Fleet Vehicles	Police, Fleet Vehicles	Police, Fleet Vehicles							
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13							
Totals	53,957	20,710	6,134	894	2,303	676	50,961	25,347	8,674	667	3,233	891	89,773						174,447
7-10am	6,273	769	373	171	292	36	8,559	4,039	3,006	169	939	92	16,804						24,718
10am-1pm	6,072	2,203	1,049	118	469	56	5,851	2,685	1,764	110	659	123	11,192						21,159
1-4pm	8,036	2,847	1,656	135	612	49	7,279	3,319	1,226	109	434	96	12,463						25,798
4-7pm	10,432	2,894	1,500	236	354	15	8,157	4,459	707	85	208	48	13,664						29,095
7am-7pm	30,813	8,713	4,578	660	1,727	156	29,846	14,502	6,703	473	2,240	359	54,123						100,770
6-10am	8,844	980	496	182	372	88	12,572	6,084	3,396	221	1,194	169	23,636						34,598
3-7pm	13,512	4,020	2,219	290	573	31	10,794	5,599	1,068	106	312	70	17,949						38,594
6am-7pm	33,384	8,924	4,701	671	1,807	208	33,859	16,547	7,093	525	2,495	436	60,955						110,650

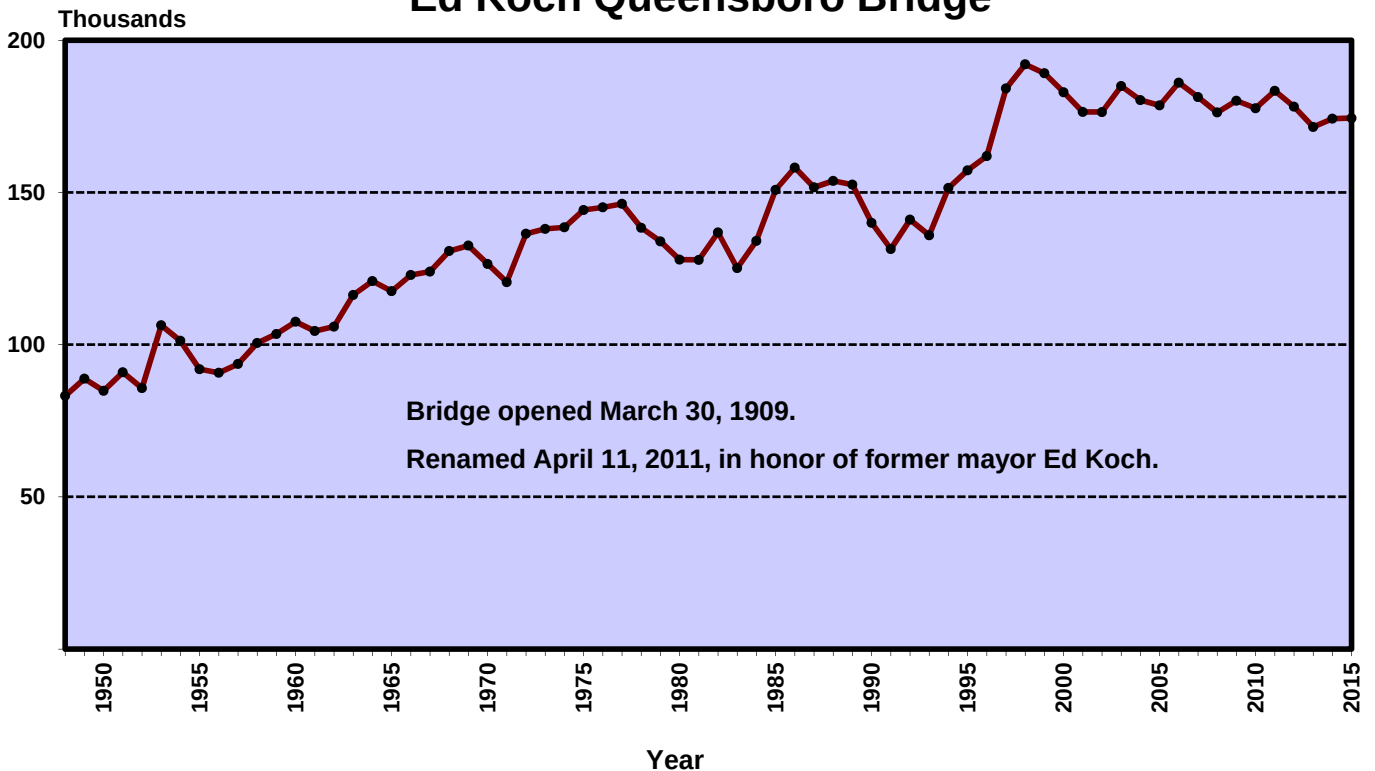
Based on October 2014 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Ed Koch Queensboro Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Ed Koch Queensboro Bridge



Hourly Vehicular Volumes

Manhattan Bridge - 2015

Eastbound to Brooklyn

Westbound to Manhattan

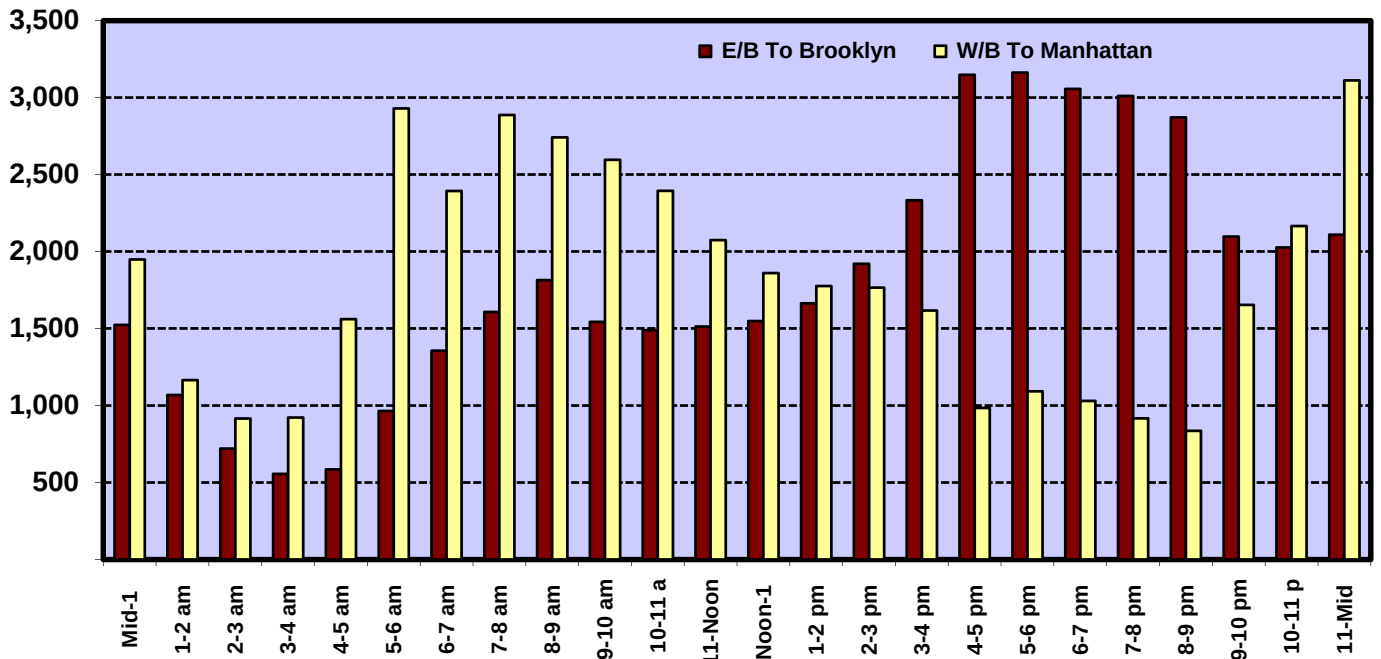
FHWA Classes	Commercial Vans, Panel Trucks, Pickups,										Commercial Vans, Panel Trucks, Pickups,										2-Way Grand Totals	
	Autos, Motorcycles					Autos, Motorcycles					Autos, Motorcycles					Autos, Motorcycles						
	SUVs, Family Vans	Taxis, Liveries, Limos	Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	SUVs, Family Vans	Taxis, Liveries, Limos	Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	SUVs, Family Vans	Taxis, Liveries, Limos	Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks		Total Vehicles
12-1am	929	489	54	9	25	18	1,524	1,125	708	44	4	48	20	1,949	1,125	708	44	4	48	20	1,949	3,473
1-2am	588	382	56	13	14	16	1,069	600	459	57	1	34	14	1,165	600	459	57	1	34	14	1,165	2,234
2-3am	398	224	44	6	31	18	721	497	312	37	6	38	26	916	497	312	37	6	38	26	916	1,637
3-4am	282	175	49	5	26	19	556	490	240	70	3	77	42	922	490	240	70	3	77	42	922	1,478
4-5am	337	120	56	2	47	23	585	996	308	102	5	73	77	1,561	996	308	102	5	73	77	1,561	2,146
5-6am	658	87	68	15	113	24	965	2,078	366	207	25	161	93	2,930	2,078	366	207	25	161	93	2,930	3,895
6-7am	955	68	158	26	97	53	1,357	1,446	219	349	117	175	88	2,394	1,446	219	349	117	175	88	2,394	3,751
7-8am	1,112	66	224	20	117	69	1,608	1,733	234	557	99	190	74	2,887	1,733	234	557	99	190	74	2,887	4,495
8-9am	1,171	102	261	68	150	63	1,815	1,584	153	603	50	253	99	2,742	1,584	153	603	50	253	99	2,742	4,557
9-10am	925	135	258	38	137	51	1,544	1,492	172	572	45	262	53	2,596	1,492	172	572	45	262	53	2,596	4,140
10-11am	923	113	271	23	116	44	1,490	1,377	138	503	28	262	87	2,395	1,377	138	503	28	262	87	2,395	3,885
11-12am	1,088	97	159	59	87	24	1,514	1,235	113	394	37	219	77	2,075	1,235	113	394	37	219	77	2,075	3,589
12-1pm	1,112	95	185	35	106	16	1,549	1,100	101	366	48	193	53	1,861	1,100	101	366	48	193	53	1,861	3,410
1-2pm	1,018	97	355	26	143	25	1,664	1,055	89	331	87	158	56	1,776	1,055	89	331	87	158	56	1,776	3,440
2-3pm	1,258	127	339	21	140	36	1,921	1,120	99	304	46	151	46	1,766	1,120	99	304	46	151	46	1,766	3,687
3-4pm	1,491	172	431	76	134	30	2,334	1,107	93	265	21	104	27	1,617	1,107	93	265	21	104	27	1,617	3,951
4-5pm	2,075	243	606	75	127	22	3,148	724	60	107	9	74	10	984	724	60	107	9	74	10	984	4,132
5-6pm	2,341	173	456	39	135	19	3,163	760	120	151	9	43	10	1,093	760	120	151	9	43	10	1,093	4,256
6-7pm	2,303	244	333	65	85	27	3,057	729	186	71	6	33	5	1,030	729	186	71	6	33	5	1,030	4,087
7-8pm	2,235	332	257	103	76	8	3,011	670	156	47	6	28	10	917	670	156	47	6	28	10	917	3,928
8-9pm	2,087	420	167	106	62	30	2,872	572	202	40	1	18	3	836	572	202	40	1	18	3	836	3,708
9-10pm	1,447	460	89	49	30	23	2,098	1,115	367	76	30	32	34	1,654	1,115	367	76	30	32	34	1,654	3,752
10-11pm	1,313	546	94	52	18	4	2,027	1,405	638	59	13	35	16	2,166	1,405	638	59	13	35	16	2,166	4,193
11-12pm	1,377	600	79	17	26	11	2,110	1,897	1,111	67	3	22	12	3,112	1,897	1,111	67	3	22	12	3,112	5,222
Totals	29,423	5,567	5,049	948	2,042	673	43,702	26,907	6,644	5,379	699	2,683	1,032	43,344	26,907	6,644	5,379	699	2,683	1,032	43,344	87,046
7-10am	3,208	303	743	126	404	183	4,967	4,809	559	1,732	194	705	226	8,225	4,809	559	1,732	194	705	226	8,225	13,192
10am-1pm	3,123	305	615	117	309	84	4,553	3,712	352	1,263	113	674	217	6,331	3,712	352	1,263	113	674	217	6,331	10,884
1-4pm	3,767	396	1,125	123	417	91	5,919	3,282	281	900	154	413	129	5,159	3,282	281	900	154	413	129	5,159	11,078
4-7pm	6,719	660	1,395	179	347	68	9,368	2,213	366	329	24	150	25	3,107	2,213	366	329	24	150	25	3,107	12,475
7am-7pm	16,817	1,664	3,878	545	1,477	426	24,807	14,016	1,558	4,224	485	1,942	597	22,822	14,016	1,558	4,224	485	1,942	597	22,822	47,629
6-10am	4,163	371	901	152	501	236	6,324	6,255	778	2,081	311	880	314	10,619	6,255	778	2,081	311	880	314	10,619	16,943
3-7pm	8,210	832	1,826	255	481	98	11,702	3,320	459	594	45	254	52	4,724	3,320	459	594	45	254	52	4,724	16,426
8am-7pm	17,772	1,732	4,036	571	1,574	479	26,164	15,462	1,777	4,573	602	2,117	685	25,216	15,462	1,777	4,573	602	2,117	685	25,216	51,380

7-10am	3,208	303	743	126	404	183	4,967				4,809	559	1,732	194	705	226	8,225			13,192
10am-1pm	3,123	305	615	117	309	84	4,553				3,712	352	1,263	113	674	217	6,331			10,884
1-4pm	3,767	396	1,125	123	417	91	5,919				3,282	281	900	154	413	129	5,159			11,078
4-7pm	6,719	660	1,395	179	347	68	9,368				2,213	366	329	24	150	25	3,107			12,475
7am-7pm	16,817	1,664	3,878	545	1,477	426	24,807				14,016	1,558	4,224	485	1,942	597	22,822			47,629
6-10am	4,163	371	901	152	501	236	6,324				6,255	778	2,081	311	880	314	10,619			16,943
3-7pm	8,210	832	1,826	255	481	98	11,702				3,320	459	594	45	254	52	4,724			16,426
6am-7pm	17,772	1,732	4,036	571	1,574	479	26,164				15,462	1,777	4,573	602	2,117	685	25,216			51,380

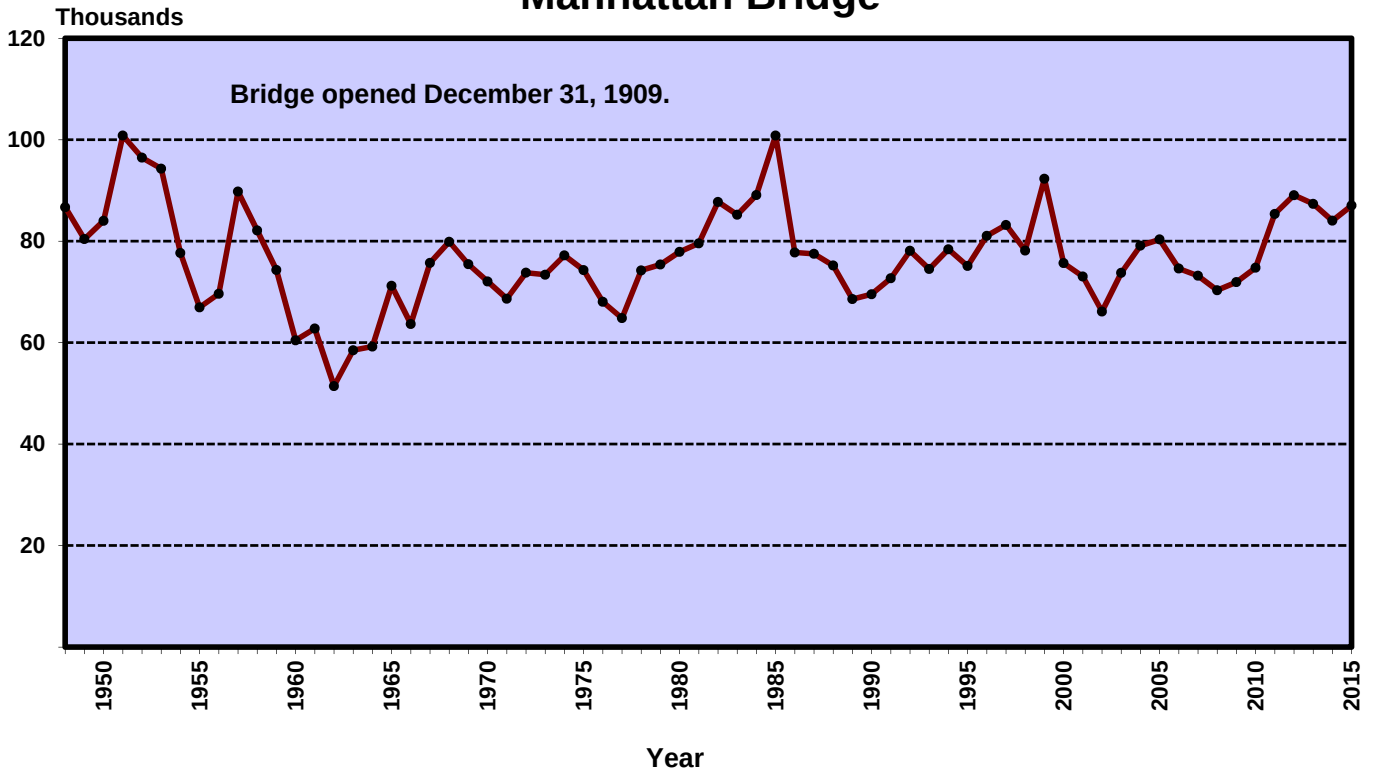
Based on October 2015 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Manhattan Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Manhattan Bridge



Hourly Vehicular Volumes

Williamsburg Bridge - 2015

Eastbound to Brooklyn

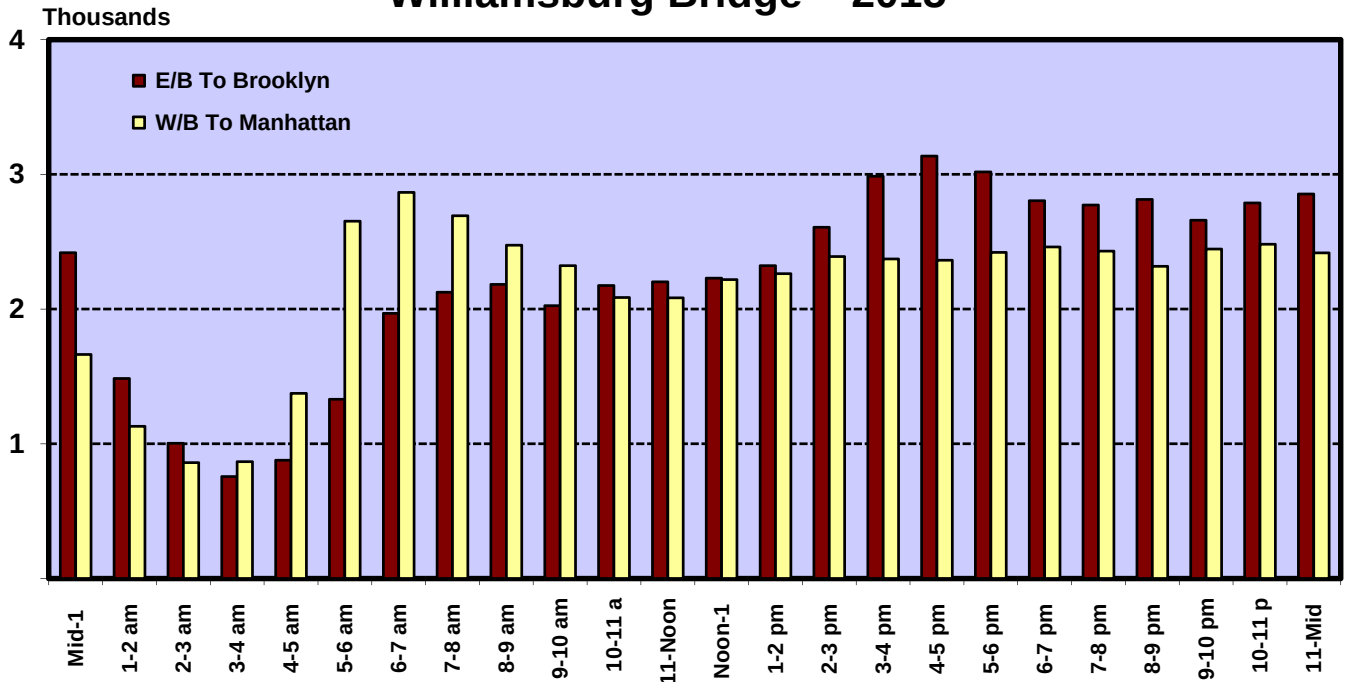
Westbound to Manhattan

FHWA Classes ▶	Commercial Vans, Panel Trucks, Pickups,						Commercial Vans, Panel Trucks, Pickups,						2-Way Grand Totals	
	Autos, Motorcycles SUVs, Family Vans	Taxis, Liveries, Limos	Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Autos, Motorcycles SUVs, Family Vans	Taxis, Liveries, Limos	Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks		
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles
12-1am	1,484	815	88	2	28	2	2,419	694	902	40	1	24	2	1,663
1-2am	851	542	61	3	23	5	1,485	334	734	31	1	27	3	1,130
2-3am	544	386	48	6	19	1	1,004	249	548	31	1	27	4	860
3-4am	363	333	33	6	21	1	757	303	492	36	0	31	5	867
4-5am	438	349	44	6	40	1	878	627	510	121	4	97	15	1,374
5-6am	763	372	105	4	83	4	1,331	1,627	527	230	25	222	22	2,653
6-7am	1,295	372	213	7	74	7	1,968	1,797	407	300	66	256	41	2,867
7-8am	1,362	415	224	22	97	5	2,125	1,740	282	373	39	238	21	2,693
8-9am	1,376	337	260	53	147	11	2,184	1,367	247	536	23	289	13	2,475
9-10am	1,212	319	276	46	158	15	2,026	1,251	282	496	13	263	18	2,323
10-11am	1,254	347	340	26	195	13	2,175	1,313	289	296	11	171	6	2,086
11-12am	1,396	289	307	15	189	6	2,202	1,435	284	239	12	114	0	2,084
12-1pm	1,437	334	260	14	179	6	2,230	1,405	416	237	19	125	17	2,219
1-2pm	1,598	301	246	9	163	6	2,323	1,509	322	239	33	144	16	2,263
2-3pm	1,747	424	238	9	188	2	2,608	1,742	300	202	15	120	11	2,390
3-4pm	1,907	549	288	37	199	6	2,986	1,810	306	157	15	80	4	2,372
4-5pm	2,144	480	298	33	179	2	3,136	1,751	409	126	14	60	3	2,363
5-6pm	2,115	550	209	13	129	3	3,019	1,669	582	108	15	44	3	2,421
6-7pm	1,767	813	114	13	97	1	2,805	1,660	633	114	3	49	2	2,461
7-8pm	1,511	1,088	93	11	67	2	2,772	1,653	641	100	10	26	0	2,430
8-9pm	1,532	1,156	83	7	34	2	2,814	1,428	764	81	4	38	3	2,318
9-10pm	1,479	1,091	44	11	34	1	2,660	1,513	815	72	2	44	0	2,446
10-11pm	1,531	1,141	78	2	33	3	2,788	1,387	988	61	8	36	1	2,481
11-12pm	1,613	1,158	43	3	35	2	2,854	1,213	1,105	50	2	46	2	2,418
Totals	32,719	13,961	3,993	358	2,411	107	53,549	31,477	12,785	4,276	336	2,571	212	51,657
7-10am	3,950	1,071	760	121	402	31	6,335	4,358	811	1,405	75	790	52	7,491
10am-1pm	4,087	970	907	55	563	25	6,607	4,153	989	772	42	410	23	6,389
1-4pm	5,252	1,274	772	55	550	14	7,917	5,061	928	598	63	344	31	7,025
4-7pm	6,026	1,843	621	59	405	6	8,960	5,080	1,624	348	32	153	8	7,245
7am-7pm	19,315	5,158	3,060	290	1,920	76	29,819	18,652	4,352	3,123	212	1,697	114	28,150
6-10am	5,245	1,443	973	128	476	38	8,303	6,155	1,218	1,705	141	1,046	93	10,358
3-7pm	7,933	2,392	909	96	604	12	11,946	6,890	1,930	505	47	233	12	9,617
6am-7pm	20,610	5,530	3,273	297	1,994	83	31,787	20,449	4,759	3,423	278	1,953	155	31,017

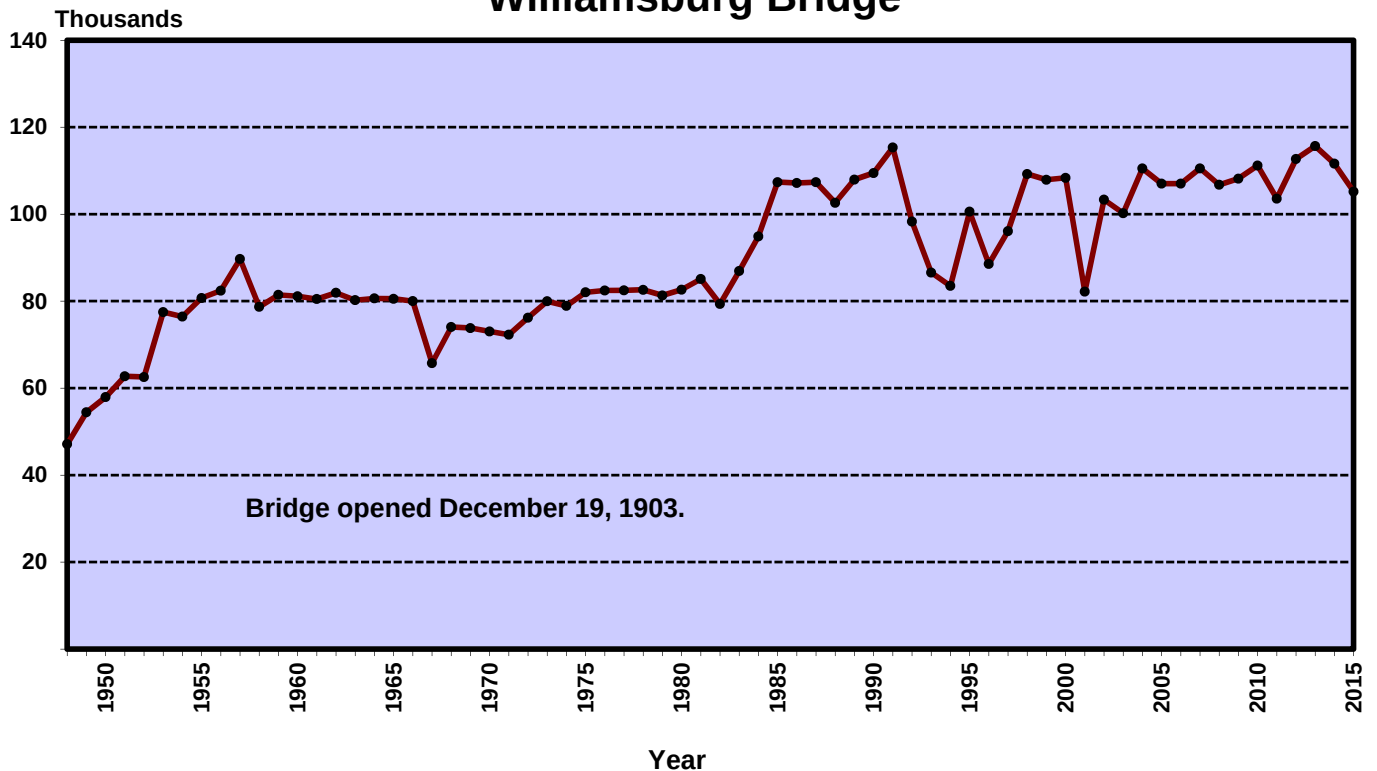
Based on October 2015 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Williamsburg Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Williamsburg Bridge



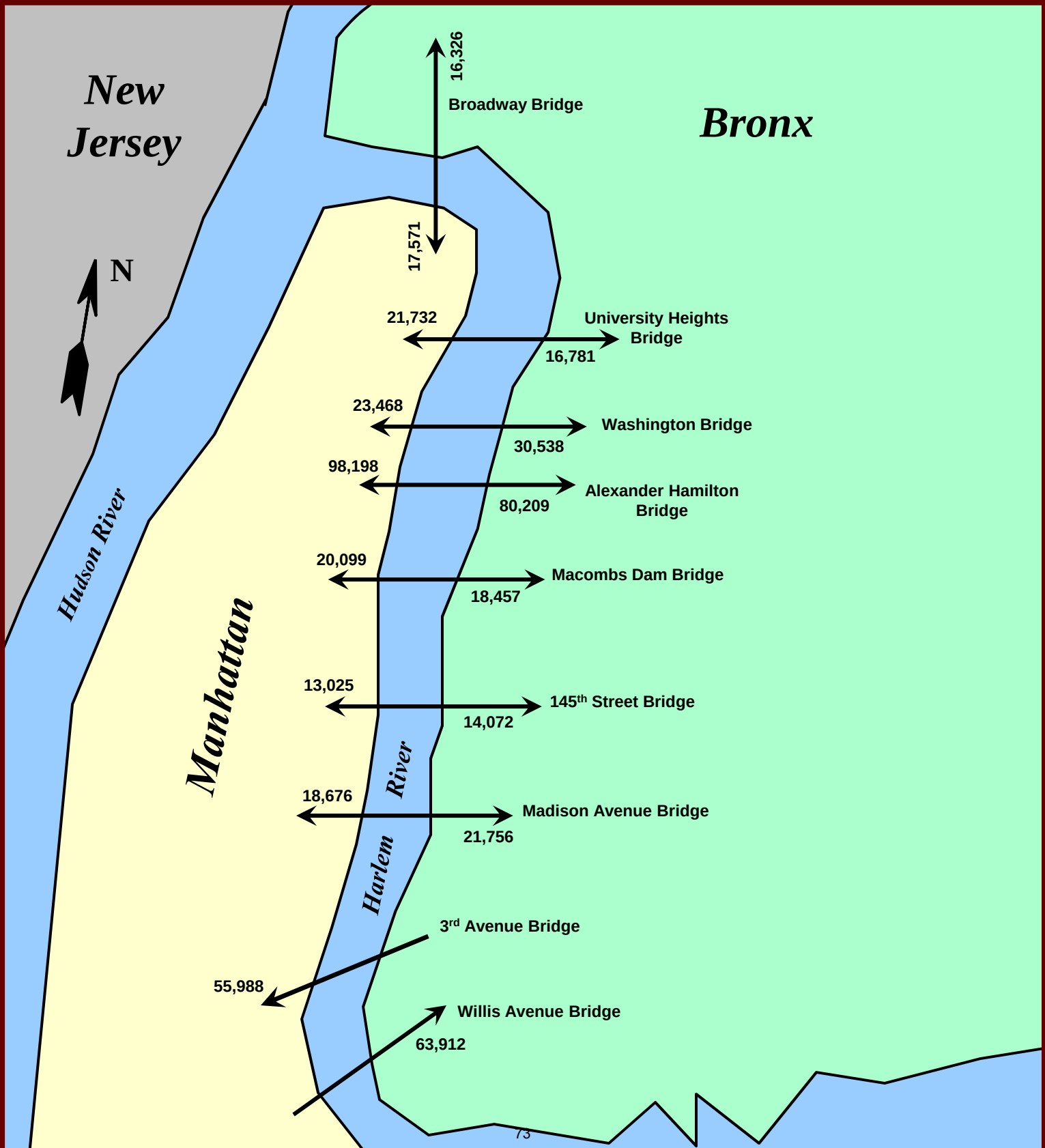
Harlem River Bridges



Willis Avenue Bridge

Harlem River Bridges

2015 Daily Volumes



Harlem River Bridges
Average Daily Traffic Volumes
1948 - 2015

Year	Alexander Hamilton	Broadway	Macombs Dam	Madison Avenue	Third Avenue
1948		16,020	33,608	27,222	31,403
1949		17,369	23,854	17,363	20,024
1950		15,462	28,641	27,933	34,984
1951	<i>Bridge Opened Jan. 1963</i>	16,374	31,072	33,576	51,478
1952		17,412	36,100	27,468	34,023
1953		16,821	35,331	24,382	37,593
1954		15,958	27,911	23,408	33,667
1955		17,046	27,914	34,681	38,201
1956		17,960	32,761	46,591	42,735
1957		20,345	55,609	40,860	47,269
1958		22,132	50,227	33,393	61,367
1959		25,491	48,720	27,967	56,525
1960		23,025	50,865	22,541	68,079
1961		21,097	32,447	28,375	61,584
1962		19,170	39,580	25,400	53,580
1963		23,110	43,450	27,090	63,840
1964	87,840	25,020	31,050	31,170	63,250
1965	125,133	17,555	37,451	26,315	55,644
1966	104,559	22,438	39,922	28,865	70,938
1967	135,803	22,844	35,595	27,683	52,931
1968	92,771	23,621	33,875	27,658	41,243
1969	132,487	22,224	38,845	28,219	57,748
1970	141,609	23,115	46,523	24,941	48,110
1971	137,881	28,232	40,489	28,891	50,548
1972	142,139	25,178	39,702	26,923	47,454
1973	137,133	24,408	38,349	34,815	60,415
1974	144,909	21,825	40,934	30,425	54,770
1975	134,013	30,638	38,995	29,823	62,079
1976	137,141	26,453	36,065	27,838	54,957
1977	158,710	26,465	33,539	29,832	52,969
1978	151,342	25,145	35,764	34,938	54,177
1979	143,973	27,673	37,145	29,036	54,428
1980	152,852	29,838	37,464	27,476	54,152
1981	148,609	30,485	42,064	29,456	51,483
1982	156,038	30,846	45,178	30,485	60,236
1983	161,772	29,875	42,747	30,715	67,813
1984	164,734	28,338	46,870	33,101	56,706
1985	171,602	33,086	52,497	37,956	59,907
1986	175,635	32,314	50,602	39,809	64,404
1987	180,908	31,934	48,021	31,506	62,089
1988	172,970	33,047	43,318	31,321	62,379
1989	183,661	35,066	43,450	31,688	64,849
1990	192,848	41,705	41,113	32,458	63,516
1991	187,309	40,444	42,393	34,826	65,787
1992	176,279	35,184	42,022	32,907	66,967
1993	180,507	33,752	39,251	32,432	68,812
1994	178,522	32,833	39,876	22,923	66,104
1995	175,279	42,555	41,571	22,739	68,663
1996	176,856	40,040	40,031	17,948	67,206
1997	176,102	34,645	44,033	28,646	71,365
1998	176,632	35,770	42,027	32,922	70,757
1999	180,201	35,412	41,813	38,102	68,544
2000	177,899	37,990	21,008	47,583	73,121
2001	168,605	41,175	39,615	43,331	72,756
2002	168,079	38,287	18,878	49,487	58,949
2003	182,704	36,888	42,254	41,575	43,065
2004	175,323	35,190	40,558	48,723	47,053
2005	181,566	35,698	40,112	48,397	60,152
2006	190,183	33,551	39,878	43,805	61,874
2007	192,651	35,523	40,749	44,663	59,712
2008	189,598	33,266	38,897	41,740	58,510
2009	191,646	35,566	39,508	43,480	59,039
2010	192,213	37,292	39,627	42,966	60,549
2011	182,174	35,770	44,311	41,423	59,603
2012	185,309	35,411	39,020	41,782	59,053
2013	188,417	35,462	38,930	47,046	60,120
2014	178,809	34,239	38,417	41,340	58,447
2015	178,407	33,897	38,556	40,432	55,988

Harlem River Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2015

Year	University Heights	Washington	Willis Avenue	145th Street	Totals
1948	21,706	29,374	29,648	18,196	207,177
1949	14,098	32,122	42,772	25,908	193,510
1950	24,986	29,541	38,708	22,416	222,671
1951	25,270	28,599	35,958	26,872	249,199
1952	21,527	28,270	33,207	24,189	222,196
1953	29,240	37,298	38,579	29,385	248,629
1954	22,979	39,339	46,675	26,119	236,056
1955	18,151	33,988	44,809	35,449	250,239
1956	21,834	30,598	43,752	30,550	266,781
1957	34,077	38,861	51,395	28,114	316,530
1958	37,078	50,100	49,773	25,677	329,747
1959	33,580	51,652	58,705	39,709	342,349
1960	36,763	54,008	59,050	30,868	345,199
1961	43,749	61,542	50,902	33,767	333,463
1962	35,940	56,110	55,910	27,540	313,230
1963	26,030	32,760	65,290	27,520	309,090
1964	31,490	41,410	65,190	31,260	407,680
1965	23,458	35,560	53,219	26,924	401,259
1966	25,700	31,104	53,677	25,284	402,487
1967	26,990	33,921	69,609	22,368	427,744
1968	26,126	35,218	58,730	22,853	362,095
1969	29,941	19,136	60,192	24,200	412,992
1970	26,718	33,661	61,433	23,580	429,690
1971	29,622	38,522	53,609	24,401	432,195
1972	31,620	36,812	49,431	23,105	422,364
1973	33,503	46,079	51,537	23,431	449,670
1974	29,297	42,014	53,322	21,616	439,112
1975	29,111	41,522	52,984	21,189	440,354
1976	34,494	39,058	53,873	19,750	429,629
1977	29,128	38,185	52,484	20,888	442,200
1978	35,883	37,690	54,335	21,484	450,758
1979	31,796	37,348	44,851	21,566	427,816
1980	32,562	38,061	52,061	21,826	446,292
1981	34,454	38,061	52,561	21,150	448,323
1982	25,416	44,168	55,762	22,656	470,785
1983	32,233	42,186	60,296	23,516	491,153
1984	30,485	46,896	66,017	23,802	496,949
1985	37,553	51,302	65,638	28,722	538,263
1986	36,192	54,935	66,824	26,181	546,896
1987	37,223	46,094	67,558	24,895	530,228
1988	38,542	48,025	64,862	25,818	520,282
1989	42,246	49,092	66,012	23,317	539,381
1990	19,768	61,668	62,315	24,172	539,563
1991	18,220	57,526	60,415	26,448	533,368
1992	39,232	51,925	66,522	26,315	537,353
1993	38,895	52,795	70,472	25,390	542,306
1994	38,134	57,009	67,344	23,299	526,044
1995	21,238	56,372	67,716	25,749	521,882
1996	35,280	56,204	70,229	27,156	530,950
1997	39,639	54,708	73,461	24,151	546,750
1998	41,640	57,307	78,145	24,862	560,062
1999	42,287	58,907	71,555	26,361	563,182
2000	45,557	68,075	73,175	34,362	578,770
2001	46,381	57,443	72,901	26,552	568,759
2002	45,311	63,609	73,435	35,796	551,831
2003	50,126	63,154	66,710	23,034	549,510
2004	47,350	57,530	74,700	25,994	552,421
2005	44,938	58,019	66,708	25,802	561,392
2006	42,118	57,689	66,212	21,733	557,043
2007	41,422	56,945	65,113	21,147	557,925
2008	39,340	52,768	62,167	23,148	539,434
2009	39,165	52,420	58,548	24,364	543,736
2010	39,230	52,014	56,934	28,749	549,574
2011	43,601	52,373	57,710	27,677	544,642
2012	39,641	57,011	62,062	27,918	547,207
2013	40,774	54,031	65,216	28,167	558,163
2014	37,791	52,537	67,951	28,357	537,888
2015	38,513	54,006	63,912	27,097	530,808

Hourly Vehicular Volumes

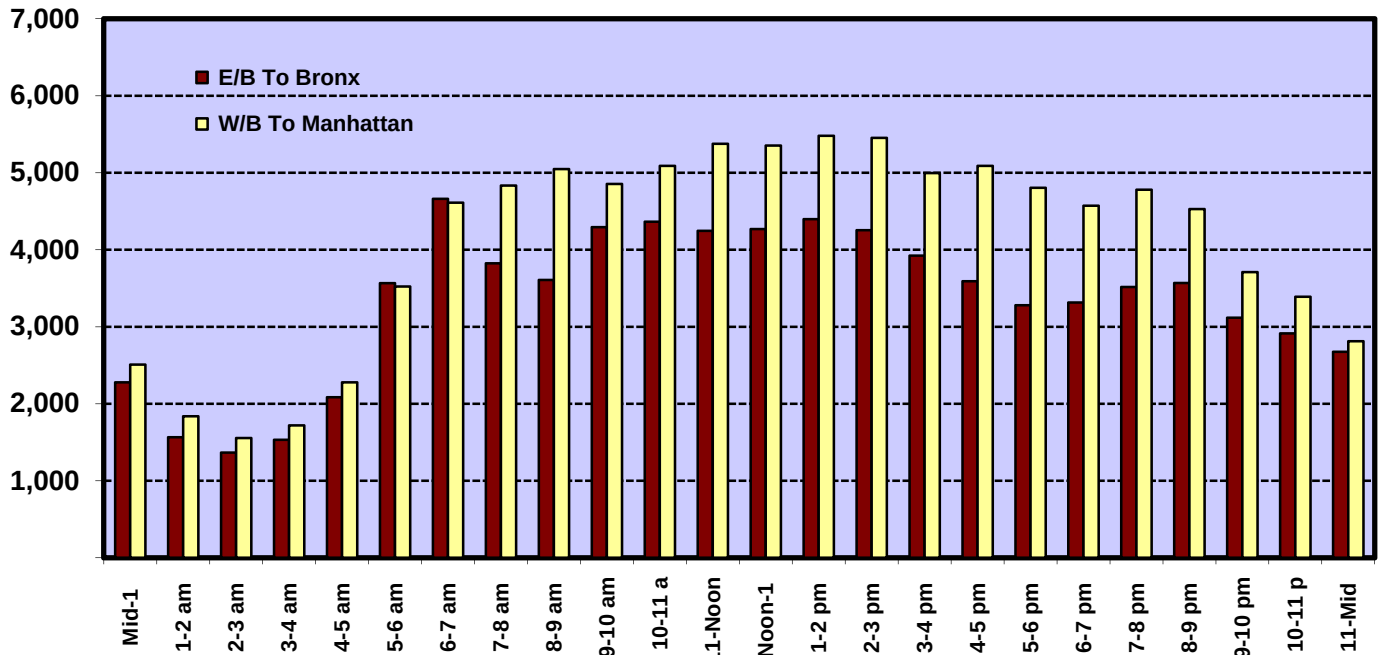
Alexander Hamilton Bridge - 2015

Westbound to Manhattan														
FHWA Classes ▶	Commercial Vans,													
	Autos, Motorcycles							Panel Trucks, Pickups,						
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	Taxis, Liveries, Limos	Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	
12-1am	1,634	86	45	4	83	426	2,278	1,836	18	69	18	66	501	2,508
1-2am	926	65	25	3	69	478	1,566	1,126	28	74	8	79	522	1,837
2-3am	650	38	24	0	108	546	1,366	762	14	46	3	51	678	1,554
3-4am	588	47	35	2	198	662	1,532	657	0	52	3	104	904	1,720
4-5am	1,030	60	82	0	212	701	2,085	1,155	22	101	0	191	808	2,277
5-6am	2,107	21	97	2	157	1,183	3,567	2,126	45	126	0	334	891	3,522
6-7am	3,257	8	278	1	79	1,038	4,661	3,403	36	242	48	169	713	4,611
7-8am	2,951	16	223	16	262	356	3,824	3,713	62	319	40	268	432	4,834
8-9am	2,642	37	238	27	325	339	3,608	3,884	43	229	27	331	534	5,048
9-10am	3,075	26	337	38	368	449	4,293	3,466	41	180	22	444	702	4,855
10-11am	3,160	13	282	14	446	448	4,363	3,257	34	349	25	532	893	5,090
11-12am	3,020	79	272	7	422	446	4,246	3,402	33	286	30	445	1,179	5,375
12-1pm	3,079	74	261	22	383	449	4,268	3,367	49	288	34	500	1,116	5,354
1-2pm	3,387	41	265	27	310	367	4,397	3,594	40	327	54	404	1,061	5,480
2-3pm	3,433	37	207	20	289	268	4,254	3,785	73	286	35	363	910	5,452
3-4pm	3,093	57	194	30	264	286	3,924	3,701	46	326	15	257	651	4,996
4-5pm	2,902	38	185	48	212	207	3,592	3,953	33	290	13	237	563	5,089
5-6pm	2,648	29	244	16	142	200	3,279	4,008	38	169	3	173	413	4,804
6-7pm	2,814	6	118	6	124	247	3,315	3,972	16	123	2	111	348	4,572
7-8pm	2,939	32	105	25	134	282	3,517	4,053	22	135	7	120	443	4,780
8-9pm	2,994	50	83	8	149	284	3,568	3,794	28	141	5	107	454	4,529
9-10pm	2,513	67	87	3	82	365	3,117	3,084	27	93	0	81	424	3,709
10-11pm	2,433	41	60	0	47	333	2,914	2,868	37	104	8	77	295	3,389
11-12pm	2,281	72	36	0	47	239	2,675	2,037	27	89	11	85	564	2,813
Totals	59,556	1,040	3,783	319	4,912	10,599	80,209	71,003	812	4,444	411	5,529	15,999	98,198
7-10am	8,668	79	798	81	955	1,144	11,725	11,063	146	728	89	1,043	1,668	14,737
10am-1pm	9,259	166	815	43	1,251	1,343	12,877	10,026	116	923	89	1,477	3,188	15,819
1-4pm	9,913	135	666	77	863	921	12,575	11,080	159	939	104	1,024	2,622	15,928
4-7pm	8,364	73	547	70	478	654	10,186	11,933	87	582	18	521	1,324	14,465
7am-7pm	36,204	453	2,826	271	3,547	4,062	47,363	44,102	508	3,172	300	4,065	8,802	60,949
6-10am	11,925	87	1,076	82	1,034	2,182	16,386	14,466	182	970	137	1,212	2,381	19,348
3-7pm	11,457	130	741	100	742	940	14,110	15,634	133	908	33	778	1,975	19,461
6am-7pm	39,461	461	3,104	272	3,626	5,100	52,024	47,505	544	3,414	348	4,234	9,515	65,560
2-way Grand Totals														
	4,786													
	3,403													
	2,920													
	3,252													
	4,362													
	7,089													
	9,272													
	8,658													
	8,656													
	9,148													
	9,453													
	9,621													
	9,622													
	9,877													
	9,706													
	8,920													
	8,681													
	8,083													
	7,887													
	8,297													
	8,097													
	6,826													
	6,303													
	5,488													
	178,407													

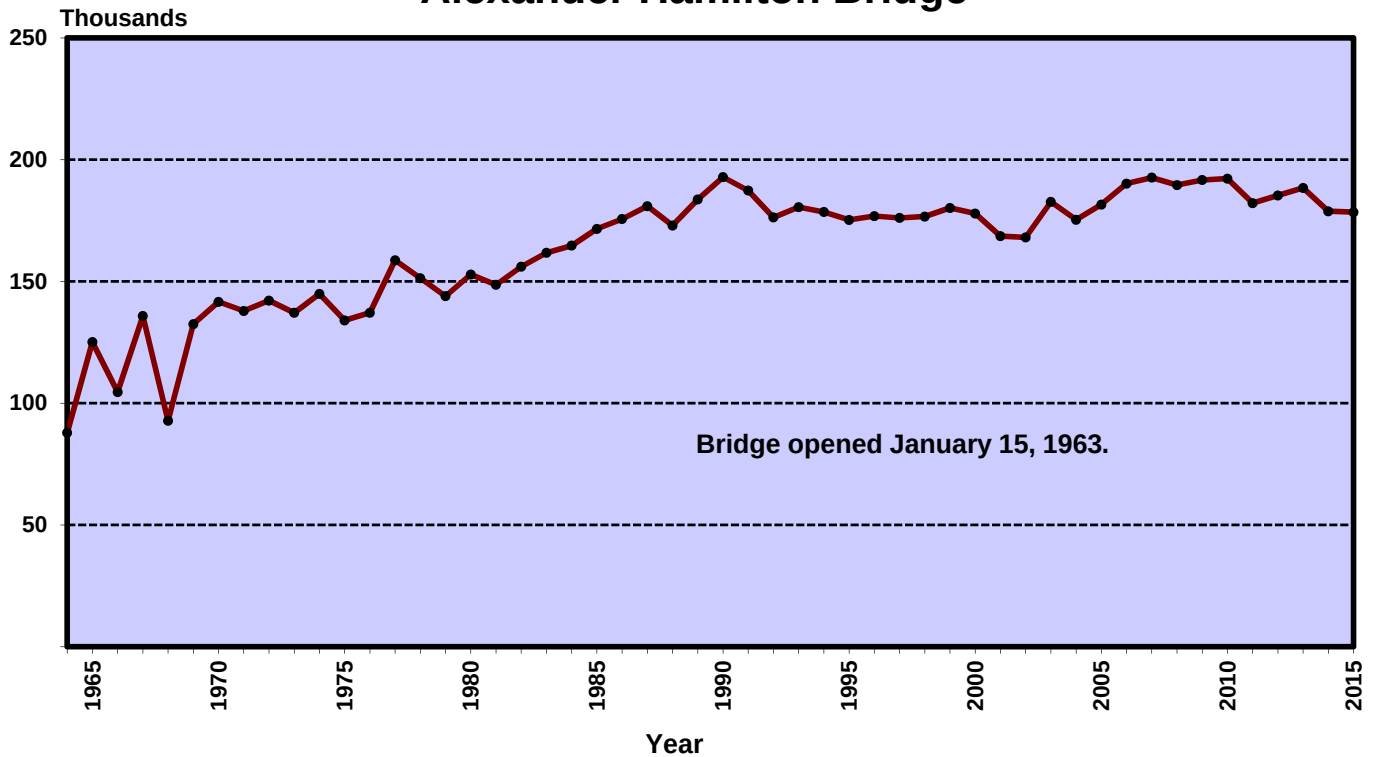
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Alexander Hamilton Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Alexander Hamilton Bridge



Hourly Vehicular Volumes

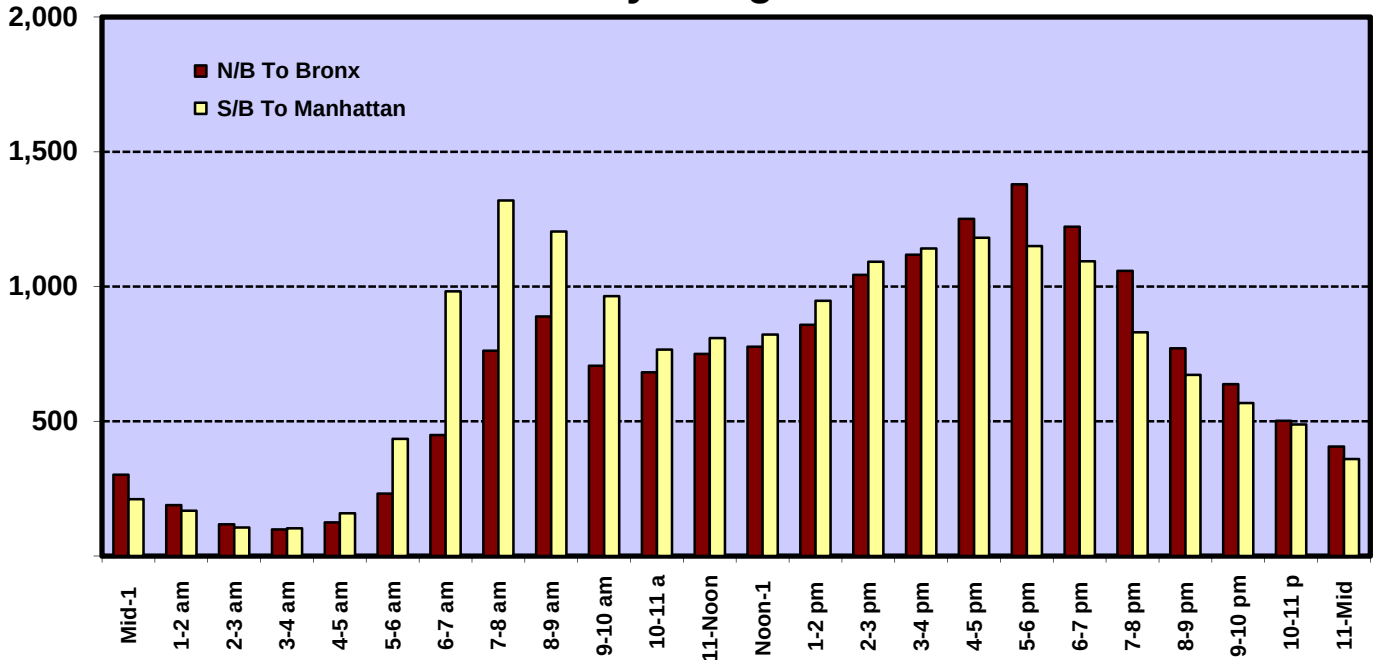
Broadway Bridge - 2015

Northbound to Bronx															Southbound to Manhattan														
FHWA Classes ▶	Commercial Vans,							Commercial Vans,							2-way Grand Totals														
	Autos, Motorcycles			Panel Trucks, Pickups,				Autos, Motorcycles			Panel Trucks, Pickups,																		
	SUVs, Family Vans	Taxis, Liveries, Limos	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	SUVs, Family Vans	Taxis, Liveries, Limos	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles																	
12-1am	260	18	8	12	2	302	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	127	64	3	15	2	0	211										
1-2am	150	19	0	14	5	189							94	49	1	21	0	3	168										
2-3am	101	7	6	1	2	118							55	40	4	4	1	2	106										
3-4am	77	17	3	0	0	99							67	24	3	2	5	2	103										
4-5am	90	12	1	14	4	125							111	29	11	1	1	6	159										
5-6am	135	9	3	53	31	232							339	61	20	8	5	2	435										
6-7am	329	13	12	64	2	449							782	90	30	70	9	1	982										
7-8am	636	24	20	56	15	762						**	1,066	151	44	42	12	4	1,319										
8-9am	752	68	20	31	9	889							934	153	51	41	17	8	1,204										
9-10am	554	55	44	32	17	706							698	135	51	40	22	18	964										
10-11am	532	57	43	15	25	682							509	152	36	23	20	26	766										
11-12am	601	75	25	19	23	750							544	164	61	11	20	9	809										
12-1pm	619	67	35	21	27	777							612	122	43	17	20	8	822										
1-2pm	682	53	46	44	32	858							660	187	48	23	20	9	947										
2-3pm	860	79	31	39	23	1,043							812	153	51	42	28	6	1,092										
3-4pm	955	81	26	39	15	1,118							854	168	53	47	17	2	1,141										
4-5pm	1,051	117	26	47	9	1,251							933	153	48	29	18	0	1,181										
5-6pm	1,172	127	40	36	3	1,379			**				945	131	38	28	7	1	1,150										
6-7pm	1,128	43	22	27	1	1,222							878	148	16	43	7	2	1,094										
7-8pm	969	45	16	16	9	1,058							670	98	16	38	7	1	830										
8-9pm	693	41	11	16	9	771							476	136	20	31	4	5	672										
9-10pm	576	41	16	2	1	638							407	106	11	42	1	1	568										
10-11pm	439	43	11	7	0	502							332	114	6	32	2	2	488										
11-12pm	350	33	10	7	5	406							238	95	14	11	0	2	360										
Totals	13,711	1,144	475	612	269	16,326							13,143	2,723	679	661	245	120	17,571										
7-10am	1,942	147	84	119	41	2,357							2,698	439	146	123	51	30	3,487										
10am-1pm	1,752	199	103	55	75	2,209							1,665	438	140	51	60	43	2,397										
1-4pm	2,497	213	103	122	70	3,019							2,326	508	152	112	65	17	3,180										
4-7pm	3,351	287	88	110	13	3,852							2,756	432	102	100	32	3	3,425										
7am-7pm	9,542	846	378	406	199	11,437							9,445	1,817	540	386	208	93	12,489										
6-10am	2,271	160	96	183	43	2,806							3,480	529	176	193	60	31	4,469										
3-7pm	4,306	368	114	149	28	4,970							3,610	600	155	147	49	5	4,566										
6am-7pm	9,871	859	390	470	201	11,886							10,227	1,907	570	456	217	94	13,471										

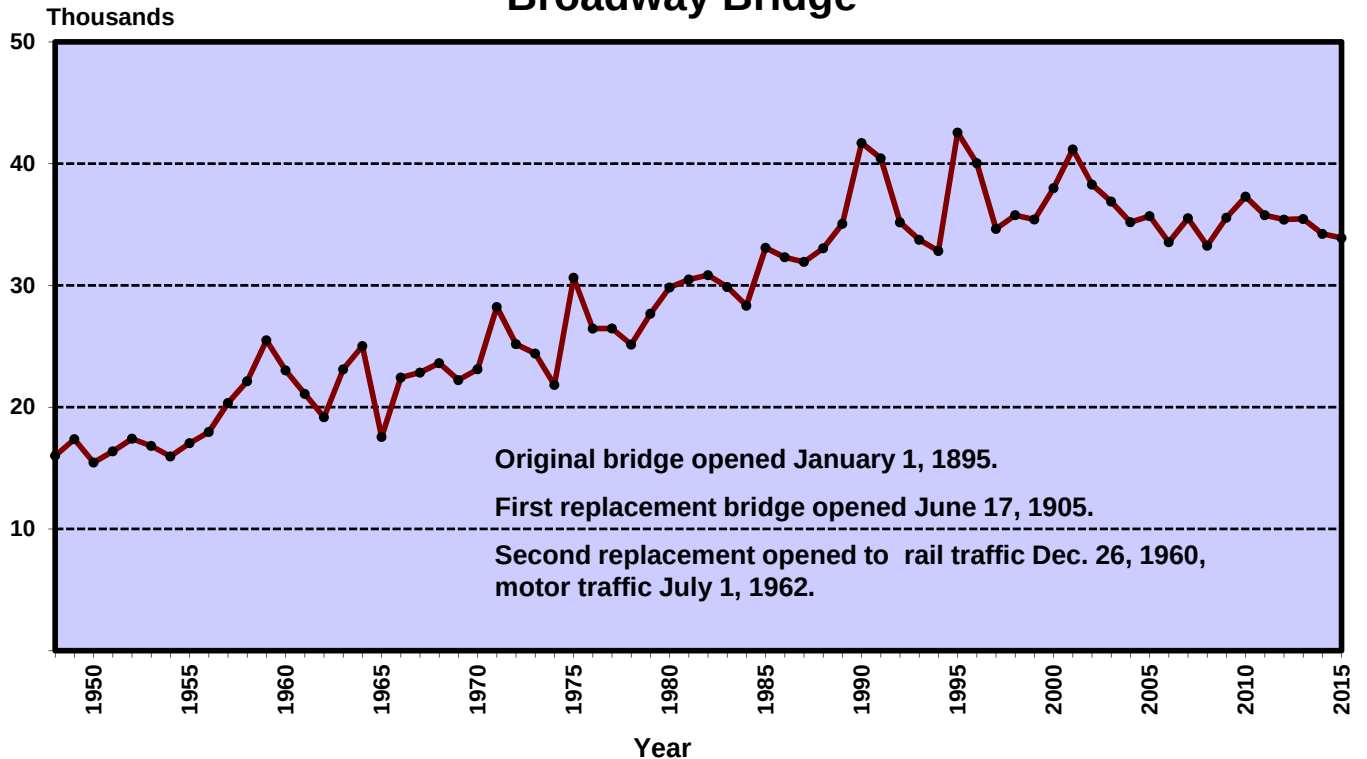
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Broadway Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Broadway Bridge



Hourly Vehicular Volumes

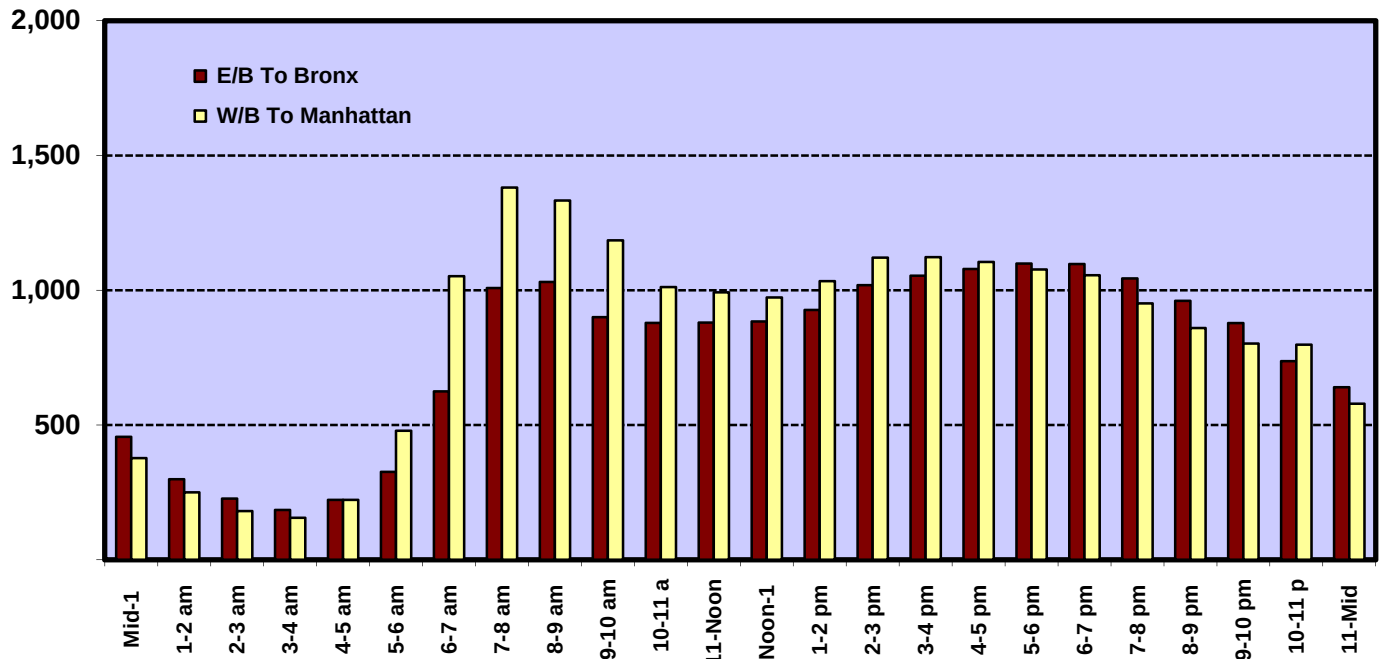
Macombs Dam Bridge - 2015

Westbound to Manhattan															2-way Grand Totals						
FHWA Classes ▶	Commercial Vans,																				
	Autos, Motorcycles			Panel Trucks, Pickups,			Taxis, Liveries, Limos			Panel Trucks, Pickups, Police, Fleet Vehicles			Buses			Single Unit Trucks		Multiple Unit Trucks		Total Vehicles	
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles		1, 2, 3	2	2 & 3	4	5 - 7	8 - 13
12-1am	369	43	27	5	9	3	456	325	31	15	4	1	1	377	833						
1-2am	243	26	18	5	5	2	299	217	18	12	2	0	1	250	549						
2-3am	172	32	11	2	8	2	227	148	23	6	2	2	0	181	408						
3-4am	140	28	12	1	1	3	185	132	18	3	2	1	0	156	341						
4-5am	165	41	7	1	7	1	222	173	19	16	11	2	1	222	444						
5-6am	260	48	9	3	1	5	326	350	75	29	15	7	3	479	805						
6-7am	491	85	23	7	19	0	625	669	169	104	58	41	11	1,052	1,677						
7-8am	825	120	25	20	15	3	1,008	970	176	108	79	29	19	1,381	2,389						
8-9am	847	85	22	56	16	5	1,031	1,063	108	89	24	42	7	1,333	2,364						
9-10am	720	85	44	27	22	2	900	936	98	68	12	64	7	1,185	2,085						
10-11am	684	92	52	13	35	3	879	810	72	58	23	43	6	1,012	1,891						
11-12am	659	105	71	9	29	7	880	759	89	85	19	33	7	992	1,872						
12-1pm	671	102	72	8	26	5	884	767	89	72	13	21	11	973	1,857						
1-2pm	705	110	70	11	28	3	927	781	128	73	21	23	8	1,034	1,961						
2-3pm	811	113	58	10	26	1	1,019	856	134	81	27	20	3	1,121	2,140						
3-4pm	872	83	50	17	26	6	1,054	865	116	75	32	31	4	1,123	2,177						
4-5pm	911	72	45	25	23	3	1,079	888	87	83	32	14	1	1,105	2,184						
5-6pm	878	106	40	33	34	8	1,099	913	81	57	20	6	0	1,077	2,176						
6-7pm	897	101	57	12	25	5	1,097	912	73	50	16	5	0	1,056	2,153						
7-8pm	854	94	66	9	17	4	1,044	822	68	42	16	2	1	951	1,995						
8-9pm	800	92	52	5	8	4	961	749	60	39	9	3	0	860	1,821						
9-10pm	738	80	47	6	6	1	878	695	67	27	10	3	0	802	1,680						
10-11pm	614	66	41	5	6	5	737	684	52	46	10	6	0	798	1,535						
11-12pm	533	53	38	3	9	4	640	501	40	24	11	3	0	579	1,219						
Totals	14,859	1,862	957	293	401	85	18,457	15,985	1,891	1,262	468	402	91	20,099	38,556						
7-10am	2,392	290	91	103	53	10	2,939	2,969	382	265	115	135	33	3,899	6,838						
10am-1pm	2,014	299	195	30	90	15	2,643	2,336	250	215	55	97	24	2,977	5,620						
1-4pm	2,388	306	178	38	80	10	3,000	2,502	378	229	80	74	15	3,278	6,278						
4-7pm	2,686	279	142	70	82	16	3,275	2,713	241	190	68	25	1	3,238	6,513						
7am-7pm	9,480	1,174	606	241	305	51	11,857	10,520	1,251	899	318	331	73	13,392	25,249						
6-10am	2,883	375	114	110	72	10	3,564	3,638	551	369	173	176	44	4,951	8,515						
3-7pm	3,558	362	192	87	108	22	4,329	3,578	357	265	100	56	5	4,361	8,690						
6am-7pm	9,971	1,259	629	248	324	51	12,482	11,189	1,420	1,003	376	372	84	14,444	26,926						

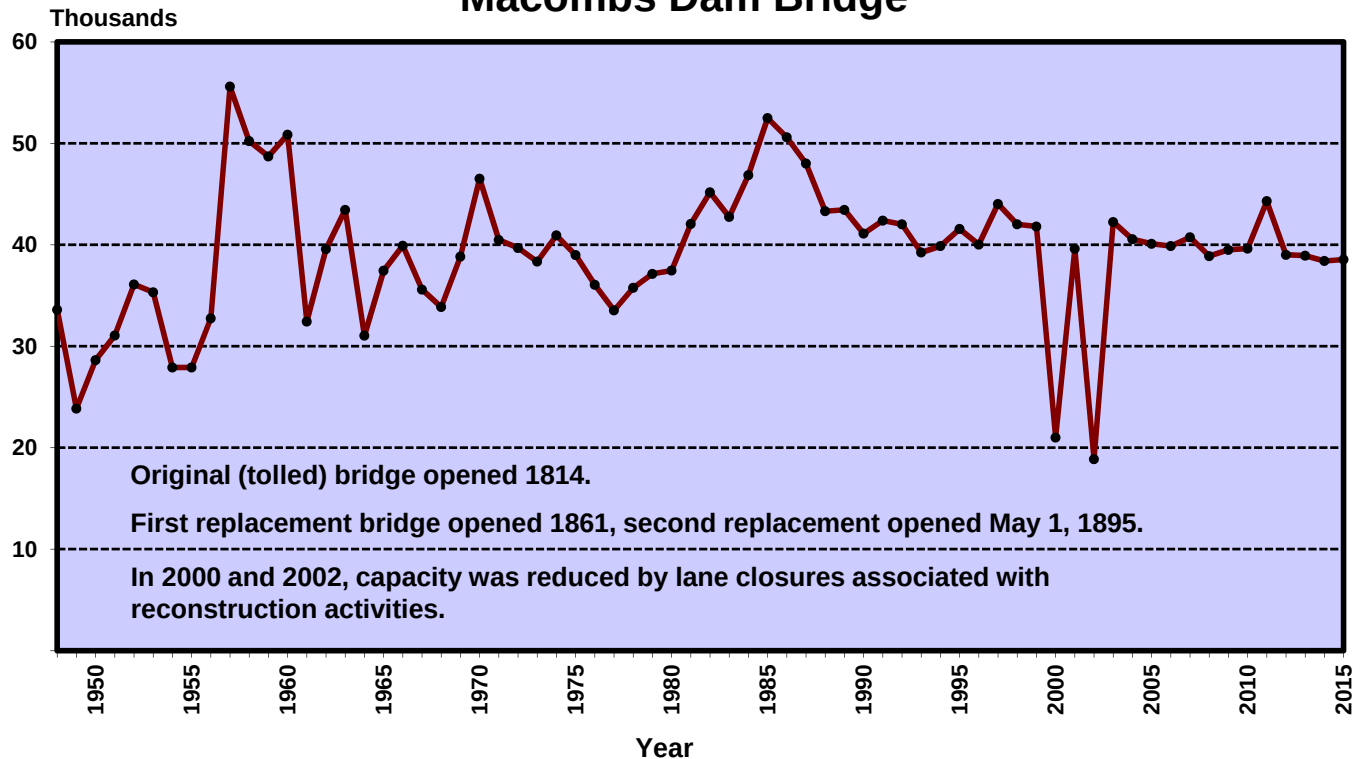
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Macombs Dam Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Macombs Dam Bridge



Hourly Vehicular Volumes

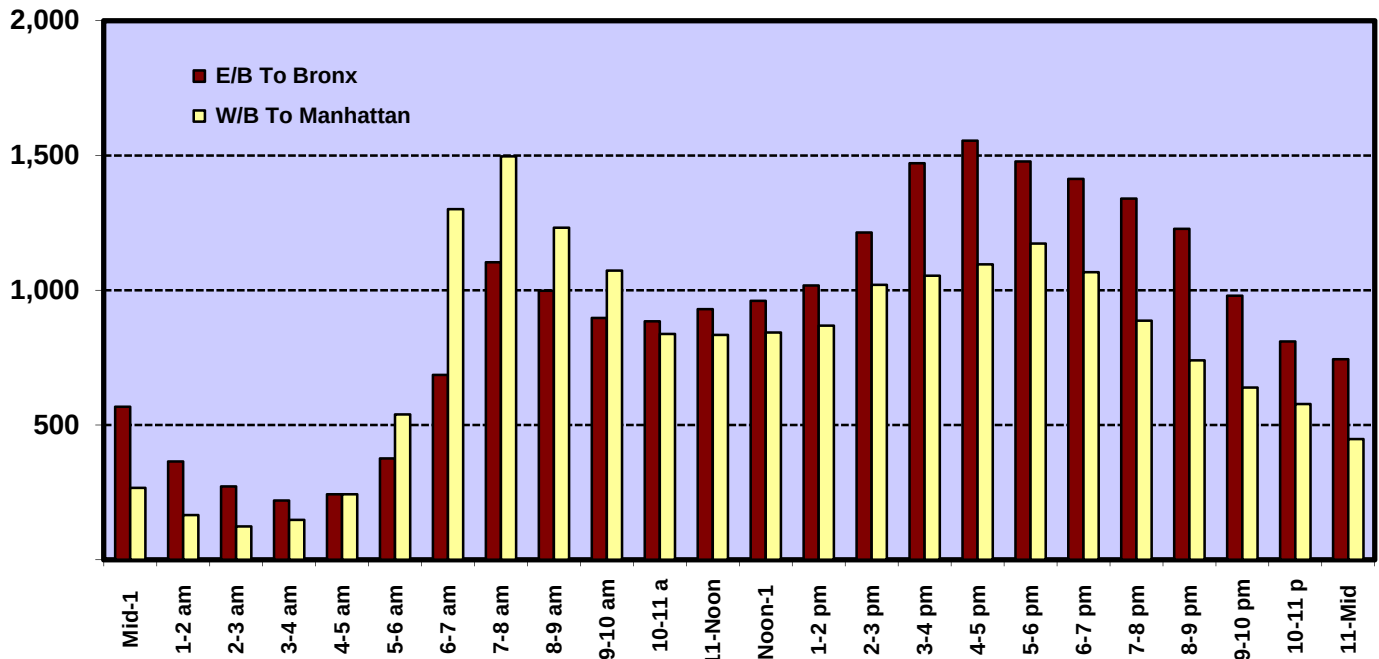
Madison Avenue Bridge - 2015

Westbound to Manhattan																	2-way Grand Totals
Commercial Vans,																	
Autos, Motorcycles		Taxis, Liveries, Limos		Panel Trucks, Pickups, Police, Fleet Vehicles		Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles								
FHWA Classes	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13											
12-1am	456	77	16	9	7	3	568		243	11	6	3	4	0	267	835	
1-2am	254	82	11	3	15	0	365		144	15	1	1	4	1	166	531	
2-3am	185	65	6	1	15	0	272		109	9	1	0	3	2	124	396	
3-4am	142	50	13	1	9	5	220		101	29	11	0	5	2	148	368	
4-5am	160	49	13	1	14	6	243		162	42	19	2	16	2	243	486	
5-6am	293	39	14	2	28	0	376		384	68	16	20	48	3	539	915	
6-7am	574	46	25	8	33	0	686		833	126	58	170	104	10	1,301	1,987	
7-8am	955	35	25	37	49	3	1,104		1,169	96	94	71	62	5	1,497	2,601	
8-9am	772	64	37	89	34	2	998		961	37	126	20	85	3	1,232	2,230	
9-10am	558	176	76	42	36	9	897		793	34	115	34	94	3	1,073	1,970	
10-11am	579	134	82	26	63	1	885		632	31	87	38	49	1	838	1,723	
11-12am	679	89	90	19	50	3	930		641	24	103	19	46	1	834	1,764	
12-1pm	641	116	109	29	64	2	961		679	15	58	37	52	2	843	1,804	
1-2pm	763	70	88	23	74	0	1,018		705	18	43	48	54	1	869	1,887	
2-3pm	938	59	116	22	79	0	1,214		808	23	79	75	33	2	1,020	2,234	
3-4pm	1,063	118	156	67	64	3	1,471		915	20	66	34	19	0	1,054	2,525	
4-5pm	1,107	193	154	57	41	3	1,555	**	998	45	13	30	10	0	1,096	2,651	
5-6pm	1,250	57	110	35	26	0	1,478		1,045	93	5	22	8	0	1,173	2,651	
6-7pm	1,255	34	63	29	32	0	1,413		963	48	23	21	10	2	1,067	2,480	
7-8pm	1,181	62	57	20	19	1	1,340		814	27	19	24	2	1	887	2,227	
8-9pm	1,090	79	35	14	9	1	1,228		702	17	9	5	6	1	740	1,968	
9-10pm	863	72	28	8	9	0	980		594	8	20	10	6	1	639	1,619	
10-11pm	689	85	20	7	8	1	810		519	23	20	9	6	1	578	1,388	
11-12pm	641	60	20	9	13	1	744		417	14	5	9	3	0	448	1,192	
Totals	17,088	1,911	1,364	558	791	44	21,756		15,331	873	997	702	729	44	18,676	40,432	
7-10am	2,285	275	138	168	119	14	2,999		2,923	167	335	125	241	11	3,802	6,801	
10am-1pm	1,899	339	281	74	177	6	2,776		1,952	70	248	94	147	4	2,515	5,291	
1-4pm	2,764	247	360	112	217	3	3,703		2,428	61	188	157	106	3	2,943	6,646	
4-7pm	3,612	284	327	121	99	3	4,446		3,006	186	41	73	28	2	3,336	7,782	
7am-7pm	10,560	1,145	1,106	475	612	26	13,924		10,309	484	812	449	522	20	12,596	26,520	
6-10am	2,859	321	163	176	152	14	3,685		3,756	293	393	295	345	21	5,103	8,788	
3-7pm	4,675	402	483	188	163	6	5,917		3,921	206	107	107	47	2	4,390	10,307	
6am-7pm	11,134	1,191	1,131	483	645	26	14,610		11,142	610	870	619	626	30	13,897	28,507	

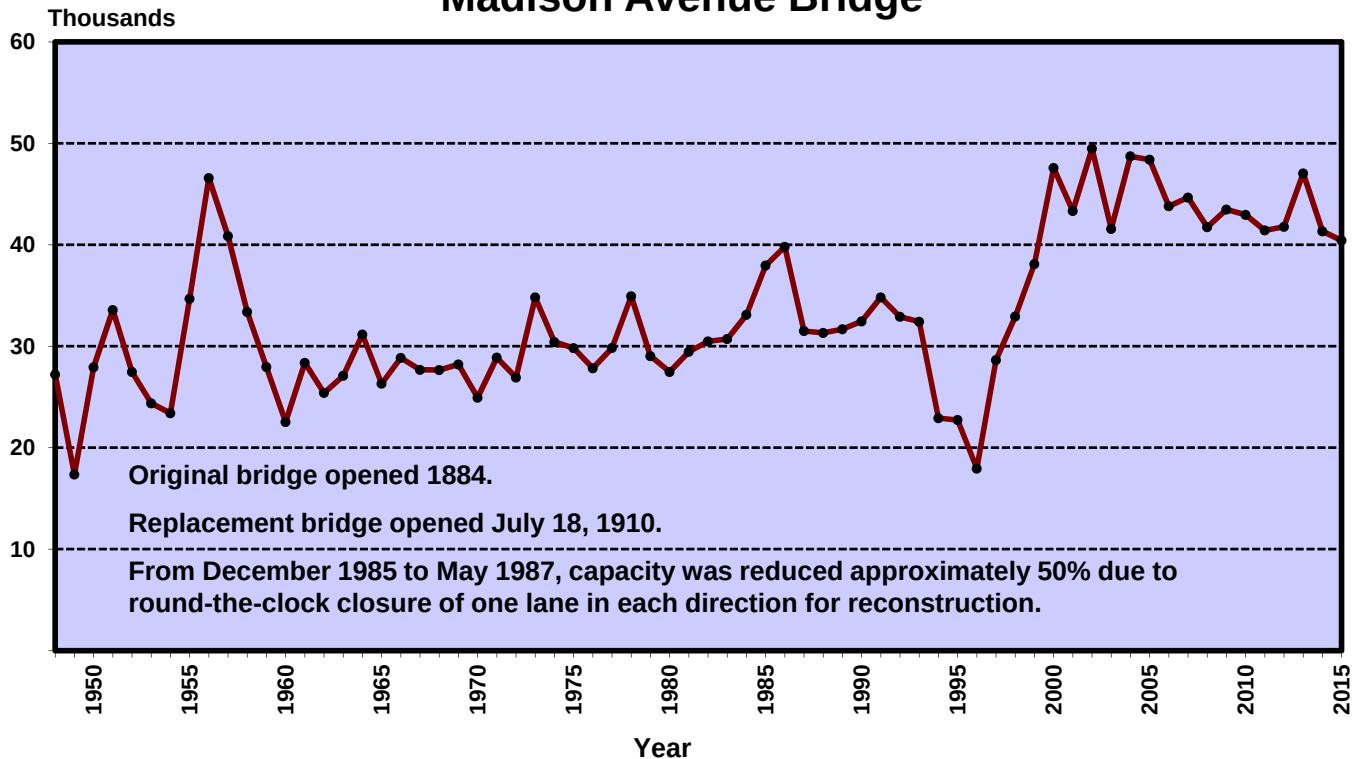
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Madison Avenue Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Madison Avenue Bridge



Hourly Vehicular Volumes

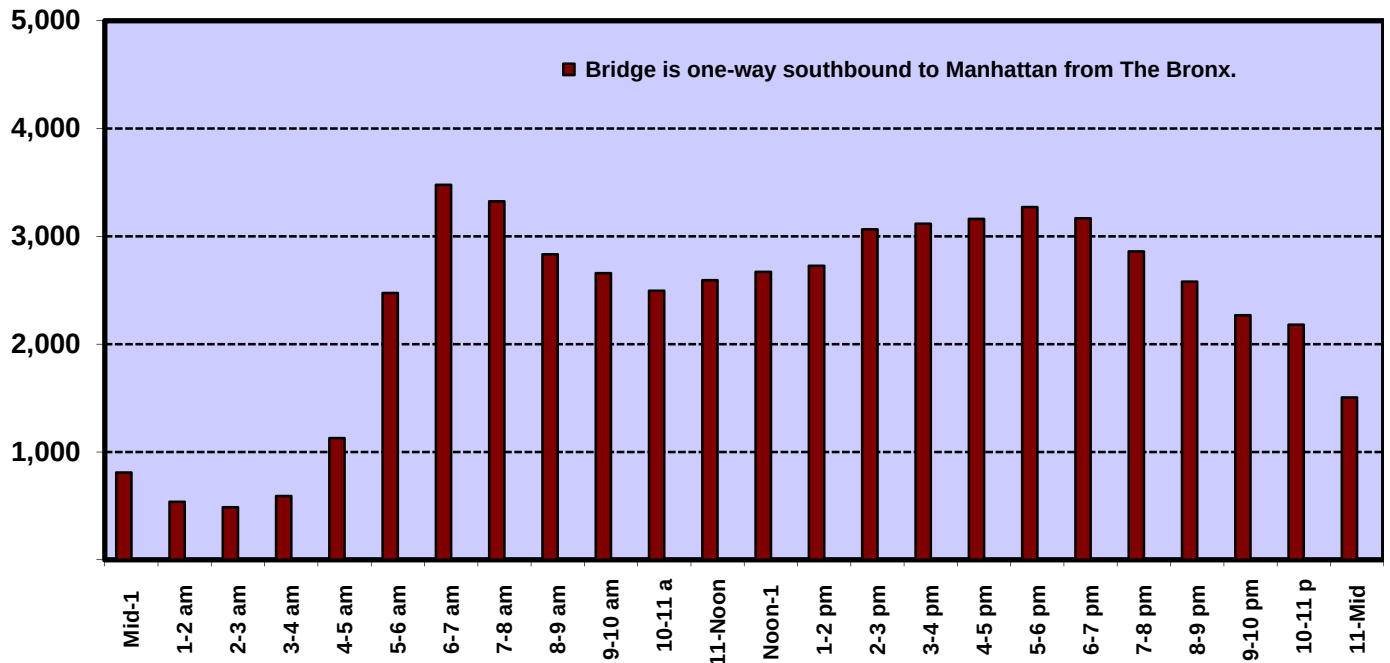
Third Avenue Bridge - 2015

Southbound to Manhattan											
FHWA Classes ▶	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles										
	Autos, Motorcycles		Taxis, Liveries, Limos		Buses		Single Unit Trucks		Multiple Unit Trucks		Total Vehicles
	Family Vans	SUVs, Vans	Family Vans	SUVs, Vans	Family Vans	SUVs, Vans	Family Vans	SUVs, Vans	Family Vans	SUVs, Vans	
12-1am	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13					
1-2am	640	124	16	2	25	3	810				
2-3am	378	103	15	1	36	5	538				
3-4am	291	138	29	1	26	3	488				
4-5am	316	166	32	0	73	5	592				
5-6am	691	177	67	3	173	17	1,128				
6-7am	1,785	253	151	15	236	34	2,474				
7-8am	2,600	173	245	143	290	27	3,478				
8-9am	2,485	204	318	104	199	15	3,325				
9-10am	2,162	95	385	22	163	6	2,833				
10-11am	1,934	200	327	24	165	8	2,658				
11-12am	1,799	267	280	24	115	10	2,495				
12-1pm	1,913	256	254	27	128	16	2,594				
1-2pm	2,013	205	270	60	114	8	2,670				
2-3pm	2,113	175	200	127	106	6	2,727				
3-4pm	2,414	270	169	109	99	4	3,065				
4-5pm	2,685	226	103	53	46	4	3,117				
5-6pm	2,719	283	85	27	42	6	3,162				
6-7pm	2,739	300	160	25	39	9	3,272				
7-8pm	2,759	249	99	19	35	6	3,167				
8-9pm	2,486	249	77	11	31	7	2,861				
9-10pm	2,265	215	62	6	29	3	2,580				
10-11pm	1,981	170	61	2	54	1	2,269				
11-12pm	1,865	211	57	1	42	4	2,180				
	1,236	194	30	4	33	8	1,505				
Totals	44,269	4,903	3,492	810	2,299	215	55,988				
Bridge is 1-way southbound from Bronx to Manhattan.											
7-10am	6,581	499	1,030	150	527	29	8,816				
10am-1pm	5,725	728	804	111	357	34	7,759				
1-4pm	7,212	671	472	289	251	14	8,909				
4-7pm	8,217	832	344	71	116	21	9,601				
7am-7pm	27,735	2,730	2,650	621	1,251	98	35,085				
6-10am	9,181	672	1,275	293	817	56	12,294				
3-7pm	10,902	1,058	447	124	162	25	12,718				
8am-7pm	30,335	2,903	2,895	764	1,541	125	38,563				

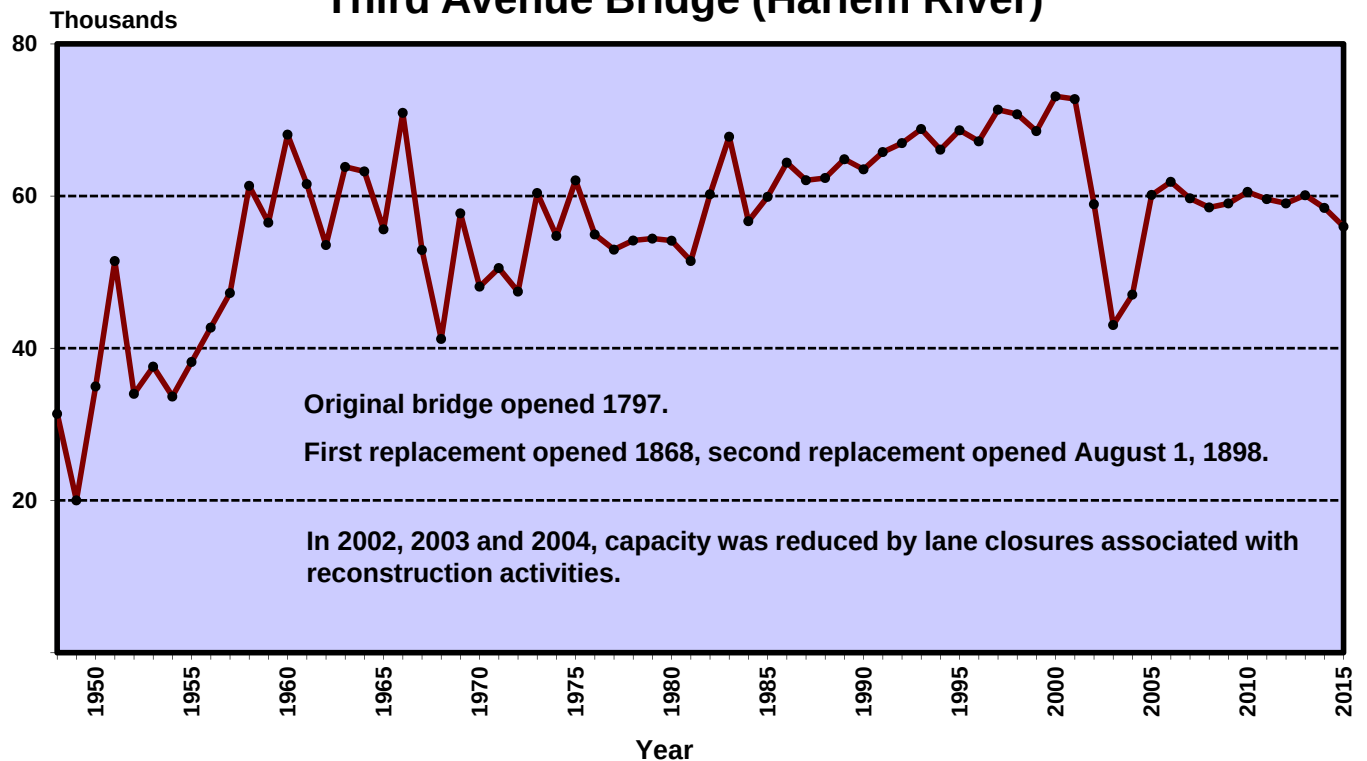
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Third Avenue Bridge (Harlem River) ~ 2015



Average Daily Traffic Volumes Third Avenue Bridge (Harlem River)



Hourly Vehicular Volumes

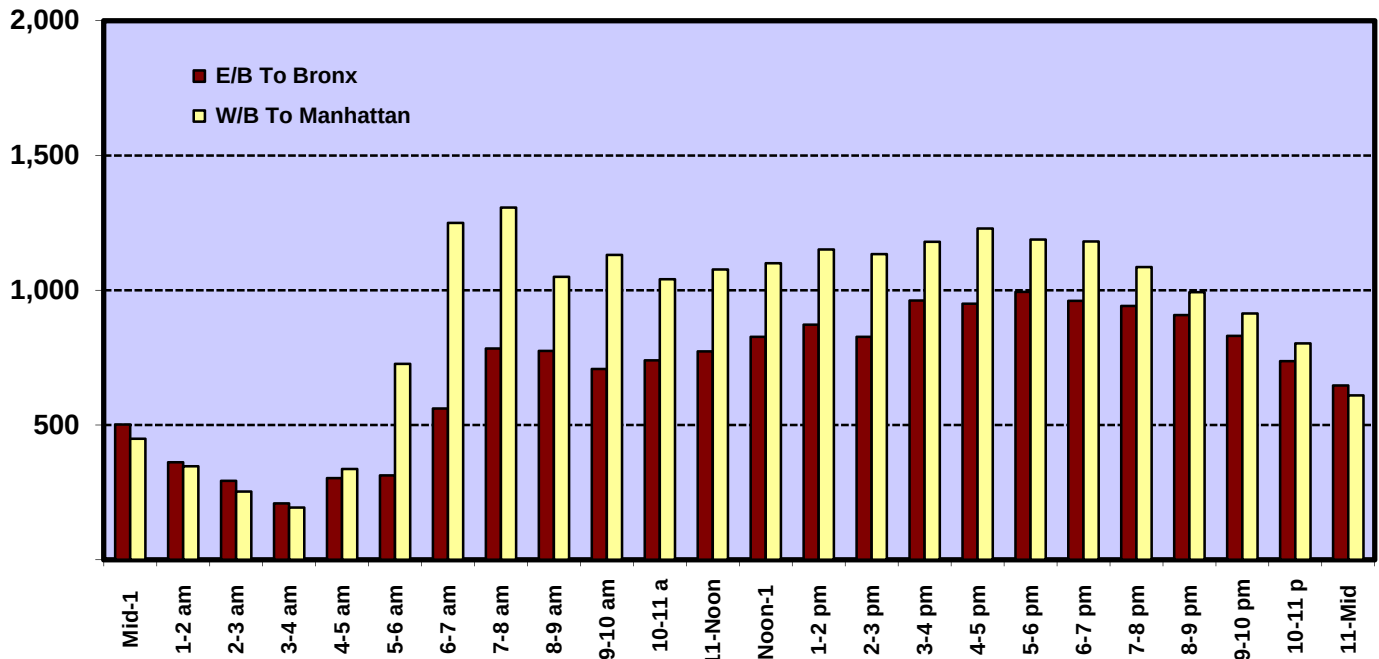
University Heights Bridge - 2015

Eastbound to Bronx															Westbound to Manhattan															2-way Grand Totals
FHWA Classes ▶	Commercial Vans,							Autos, Motorcycles							Commercial Vans,							Total Vehicles								
	Panel Trucks, Pickups,							Autos, Motorcycles							Panel Trucks, Pickups,								Multiple Unit Trucks	Single Unit Trucks	Multiple Unit Trucks	8 - 13	5 - 7	8 - 13		
	Taxis, Liveries, Limos	Police, Fleet Vehicles	Buses	Trucks	Unit	Multiple Unit Trucks	Total Vehicles	SUVs, Family Vans	Taxis, Liveries, Limos	Police, Fleet Vehicles	Buses	Trucks	Unit	Multiple Unit Trucks	Total Vehicles															
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		1, 2, 3	2	2 & 3	4	5 - 7	8 - 13			
12-1am	426	55	5	5	10	1	502	388	40	6	6	9	0	449	951															
1-2am	323	23	10	3	3	0	362	268	57	11	1	10	0	347	709															
2-3am	261	21	3	3	5	0	293	182	39	11	2	19	0	253	546															
3-4am	168	19	7	2	12	1	209	179	4	3	4	4	0	194	403															
4-5am	250	13	23	4	6	7	303	291	22	10	1	13	0	337	640															
5-6am	268	18	14	3	8	2	313	613	49	38	8	17	2	727	1,040															
6-7am	428	46	16	17	53	1	561	1,002	75	80	66	25	2	1,250	1,811															
7-8am	635	49	35	27	34	4	784	1,099	56	54	49	47	2	1,307	2,091															
8-9am	601	65	53	30	22	4	775	862	66	63	17	39	3	1,050	1,825															
9-10am	487	92	56	18	53	2	708	829	109	97	26	60	10	1,131	1,839															
10-11am	538	76	85	16	22	3	740	784	107	73	13	62	2	1,041	1,781															
11-12am	593	62	49	14	47	8	773	877	53	63	20	57	7	1,077	1,850															
12-1pm	619	77	58	16	53	4	827	890	65	58	26	57	4	1,100	1,927															
1-2pm	691	57	72	18	25	9	872	891	104	73	36	46	1	1,151	2,023															
2-3pm	647	79	46	18	27	10	827	896	113	59	24	41	1	1,134	1,961															
3-4pm	755	77	73	30	26	1	962	997	61	49	33	38	2	1,180	2,142															
4-5pm	765	65	59	40	20	1	950	1,013	89	60	25	41	1	1,229	2,179															
5-6pm	801	103	52	20	14	4	994	977	107	67	18	19	0	1,188	2,182															
6-7pm	826	79	30	7	17	2	961	1,000	109	35	16	21	0	1,181	2,142															
7-8pm	729	135	48	18	10	2	942	887	131	37	15	16	0	1,086	2,028															
8-9pm	741	115	28	12	11	1	908	826	107	34	12	13	1	993	1,901															
9-10pm	746	51	21	9	4	0	831	782	94	21	11	6	0	914	1,745															
10-11pm	631	73	20	7	6	0	737	670	102	13	9	8	1	803	1,540															
11-12pm	563	63	10	6	4	1	647	508	69	16	4	12	1	610	1,257															
Totals	13,492	1,513	873	343	492	68	16,781	17,711	1,828	1,031	442	680	40	21,732	38,513															
7-10am	1,723	206	144	75	109	10	2,267	2,790	231	214	92	146	15	3,488	5,755															
10am-1pm	1,750	215	192	46	122	15	2,340	2,551	225	194	59	176	13	3,218	5,558															
1-4pm	2,093	213	191	66	78	20	2,661	2,784	278	181	93	125	4	3,465	6,126															
4-7pm	2,392	247	141	67	51	7	2,905	2,990	305	162	59	81	1	3,598	6,503															
7am-7pm	7,958	881	668	254	360	52	10,173	11,115	1,039	751	303	528	33	13,769	23,942															
6-10am	2,151	252	160	92	162	11	2,828	3,792	306	294	158	171	17	4,738	7,566															
3-7pm	3,147	324	214	97	77	8	3,867	3,987	366	211	92	119	3	4,778	8,645															
6am-7pm	8,386	927	684	271	413	53	10,734	12,117	1,114	831	369	553	35	15,019	25,753															

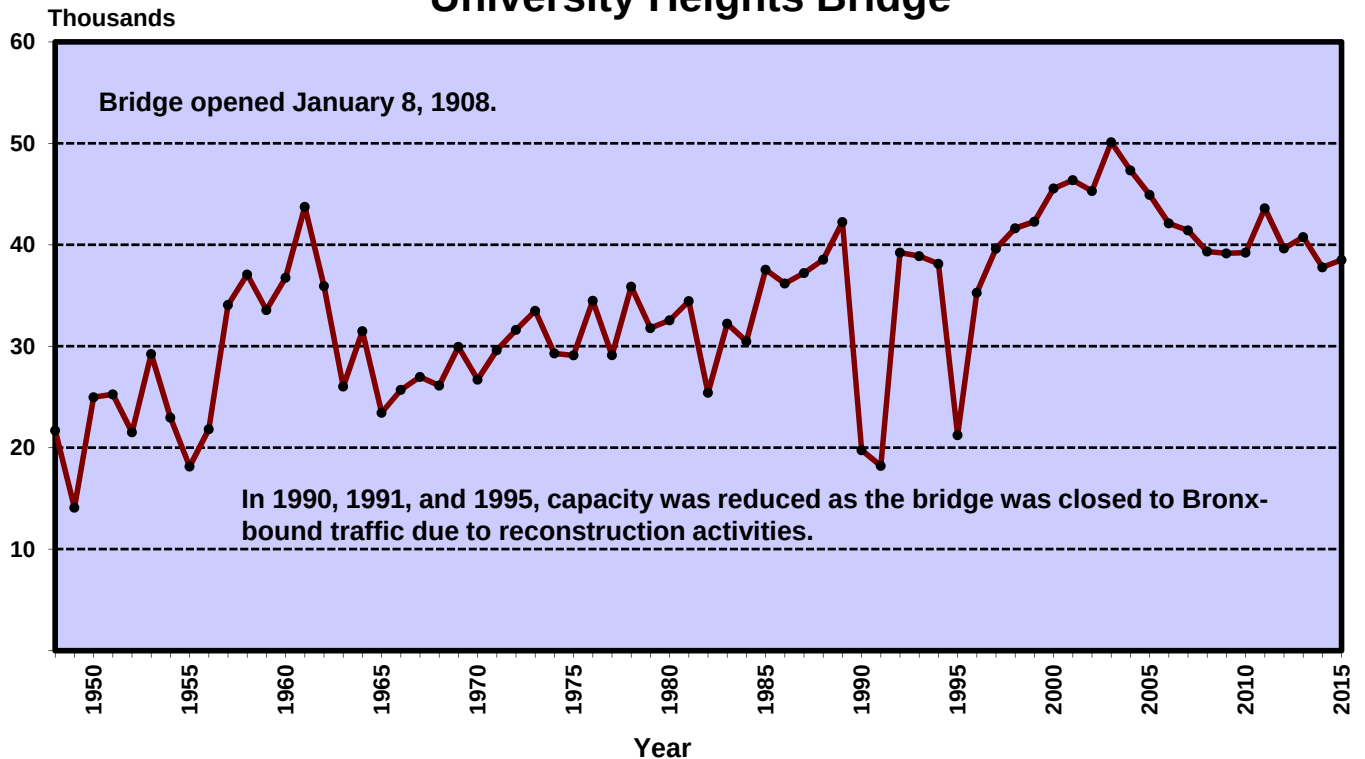
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes University Heights Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions University Heights Bridge



Hourly Vehicular Volumes

Washington Bridge - 2015

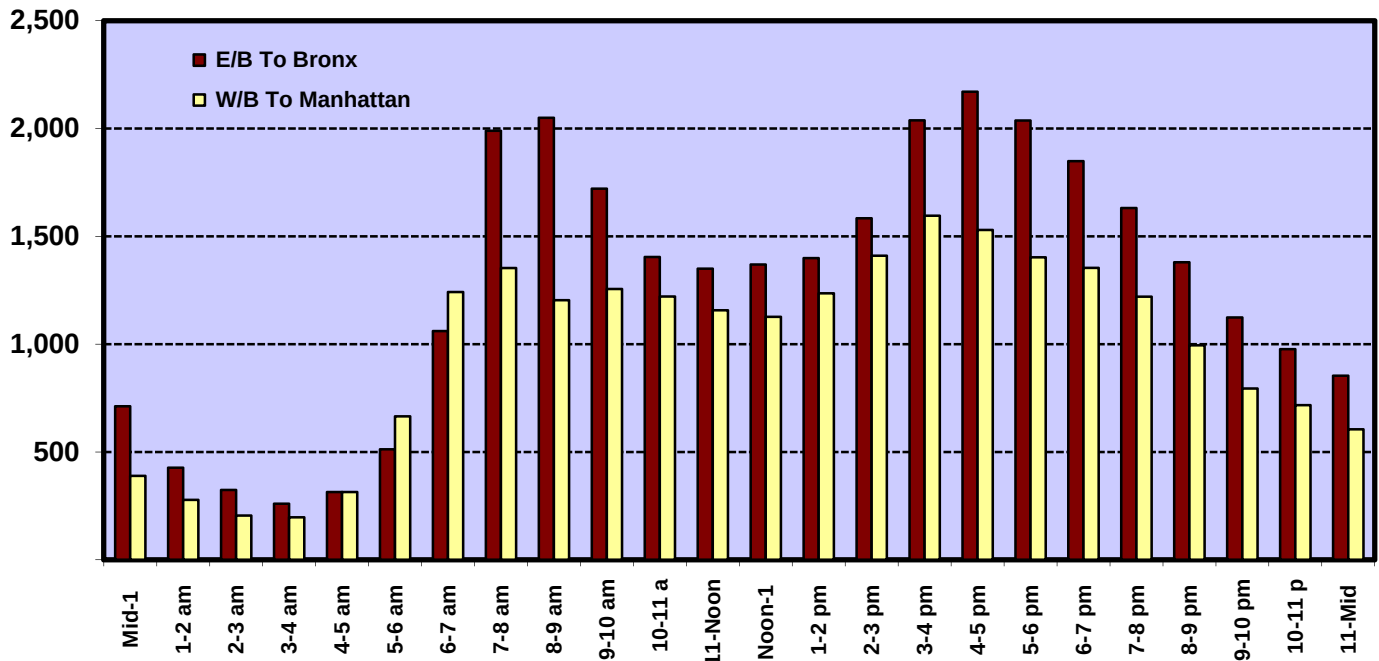
Westbound to Manhattan																		
FHWA Classes	Commercial Vans,																	
	Autos, Motorcycles					Panel Trucks, Pickups,												
	SUVs, Family Vans	Taxis, Liveries, Limos	Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	SUVs, Family Vans	Taxis, Liveries, Limos	Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles				
1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		1, 2, 3	2	2 & 3	4	5 - 7	8 - 13						
12-1am	649	30	18	14	1	0	712	332	27	9	18	2	1	389				
1-2am	383	26	6	10	2	0	427	240	25	6	7	0	0	278				
2-3am	287	19	8	3	7	0	324	180	14	6	3	0	2	205				
3-4am	218	11	11	3	13	4	260	171	13	7	4	1	1	197				
4-5am	280	14	15	2	3	0	314	256	17	16	5	8	12	314				
5-6am	448	8	22	18	16	0	512	563	18	22	24	15	23	665				
6-7am	931	22	47	37	19	5	1,061	988	43	58	134	12	7	1,242				
7-8am	1,820	32	57	71	10	0	1,990	1,136	59	67	70	16	5	1,353				
8-9am	1,787	36	78	120	24	5	2,050	974	57	83	61	24	5	1,204				
9-10am	1,485	34	97	60	40	5	1,721	1,015	36	116	62	20	7	1,256				
10-11am	1,200	28	96	39	37	4	1,404	999	33	110	42	31	6	1,221				
11-12am	1,130	43	94	31	43	9	1,350	977	33	66	37	29	15	1,157				
12-1pm	1,149	40	98	39	39	4	1,369	930	40	71	46	27	13	1,127				
1-2pm	1,181	36	91	57	33	1	1,399	995	29	99	68	34	11	1,236				
2-3pm	1,360	43	80	53	44	4	1,584	1,203	44	78	56	24	5	1,410				
3-4pm	1,728	42	138	84	45	1	2,038	1,392	47	72	57	19	9	1,596				
4-5pm	1,840	42	161	105	21	2	2,171	1,319	44	89	49	25	4	1,530				
5-6pm	1,774	37	132	65	27	2	2,037	1,232	36	76	48	10	1	1,403				
6-7pm	1,650	36	95	49	17	2	1,849	1,231	24	54	37	8	0	1,354				
7-8pm	1,485	27	65	33	19	2	1,631	1,133	24	26	33	1	3	1,220				
8-9pm	1,225	52	50	40	12	1	1,380	919	15	17	41	1	2	995				
9-10pm	969	82	39	29	4	1	1,124	737	24	3	29	1	0	794				
10-11pm	874	41	29	27	5	1	977	661	15	7	20	3	11	717				
11-12pm	712	101	20	19	1	1	854	560	19	6	19	0	1	605				
Totals	26,565	882	1,547	1,008	482	54	30,538	20,143	736	1,164	970	311	144	23,468				
7-10am	5,092	102	232	251	74	10	5,761	3,125	152	266	193	60	17	3,813				
10am-1pm	3,479	111	288	109	119	17	4,123	2,906	106	247	125	87	34	3,505				
1-4pm	4,269	121	309	194	122	6	5,021	3,590	120	249	181	77	25	4,242				
4-7pm	5,264	115	388	219	65	6	6,057	3,782	104	219	134	43	5	4,287				
7am-7pm	18,104	449	1,217	773	380	39	20,962	13,403	482	981	633	267	81	15,847				
6-10am	6,023	124	279	288	93	15	6,822	4,113	195	324	327	72	24	5,055				
3-7pm	6,992	157	526	303	110	7	8,095	5,174	151	291	191	62	14	5,883				
8am-7pm	19,035	471	1,264	810	399	44	22,023	14,391	525	1,039	767	279	88	17,089				

Eastbound to Bronx																		
FHWA Classes	Commercial Vans,																	
	Autos, Motorcycles					Panel Trucks, Pickups,												
	SUVs, Family Vans	Taxis, Liveries, Limos	Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	SUVs, Family Vans	Taxis, Liveries, Limos	Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles				
1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		1, 2, 3	2	2 & 3	4	5 - 7	8 - 13						
12-1am	649	30	18	14	1	0	712	332	27	9	18	2	1	389				
1-2am	383	26	6	10	2	0	427	240	25	6	7	0	0	278				
2-3am	287	19	8	3	7	0	324	180	14	6	3	0	2	205				
3-4am	218	11	11	3	13	4	260	171	13	7	4	1	1	197				
4-5am	280	14	15	2	3	0	314	256	17	16	5	8	12	314				
5-6am	448	8	22	18	16	0	512	563	18	22	24	15	23	665				
6-7am	931	22	47	37	19	5	1,061	988	43	58	134	12	7	1,242				
7-8am	1,820	32	57	71	10	0	1,990	1,136	59	67	70	16	5	1,353				
8-9am	1,787	36	78	120	24	5	2,050	974	57	83	61	24	5	1,204				
9-10am	1,485	34	97	60	40	5	1,721	1,015	36	116	62	20	7	1,256				
10-11am	1,200	28	96	39	37	4	1,404	999	33	110	42	31	6	1,221				
11-12am	1,130	43	94	31	43	9	1,350	977	33	66	37	29	15	1,157				
12-1pm	1,149	40	98	39	39	4	1,369	930	40	71	46	27	13	1,127				
1-2pm	1,181	36	91	57	33	1	1,399	995	29	99	68	34	11	1,236				
2-3pm	1,360	43	80	53	44	4	1,584	1,203	44	78	56	24	5	1,410				
3-4pm	1,728	42	138	84	45	1	2,038	1,392	47	72	57	19	9	1,596				
4-5pm	1,840	42	161	105	21	2	2,171	1,319	44	89	49	25	4	1,530				
5-6pm	1,774	37	132	65	27	2	2,037	1,232	36	76	48	10	1	1,403				
6-7pm	1,650	36	95	49	17	2	1,849	1,231	24	54	37	8	0	1,354				
7-8pm	1,485	27	65	33	19	2	1,631	1,133	24	26	33	1	3	1,220				
8-9pm	1,225	52	50	40	12	1	1,380	919	15	17	41	1	2	995				
9-10pm	969	82	39	29	4	1	1,124	737	24	3	29	1	0	794				
10-11pm	874	41	29	27	5	1	977	661	15	7	20	3	11	717				
11-12pm	712	101	20	19	1	1	854	560	19	6	19	0	1	605				
Totals	26,565	882	1,547	1,008	482	54	30,538	20,143	736	1,164	970	311	144	23,468				
7-10am	5,092	102	232	251	74	10	5,761	3,125	152	266	193	60	17	3,813				
10am-1pm	3,479	111	288	109	119	17	4,123	2,906	106	247	125	87	34	3,505				
1-4pm	4,269	121	309	194	122	6	5,021	3,590	120	249	181	77	25	4,242				
4-7pm	5,264	115	388	219	65	6	6,057	3,782	104	219	134	43	5	4,287				
7am-7pm	18,104	449	1,217	773	380	39	20,962	13,403	482	981	633	267	81	15,847				
6-10am	6,023	124	279	288	93	15	6,822	4,113	195	324	327	72	24	5,055				
3-7pm	6,992	157	526	303	110	7	8,095	5,174	151	291	191	62	14	5,883				
8am-7pm	19,035	471	1,264	810	399	44	22,023	14,391	525	1,039	767	279	88	17,089				

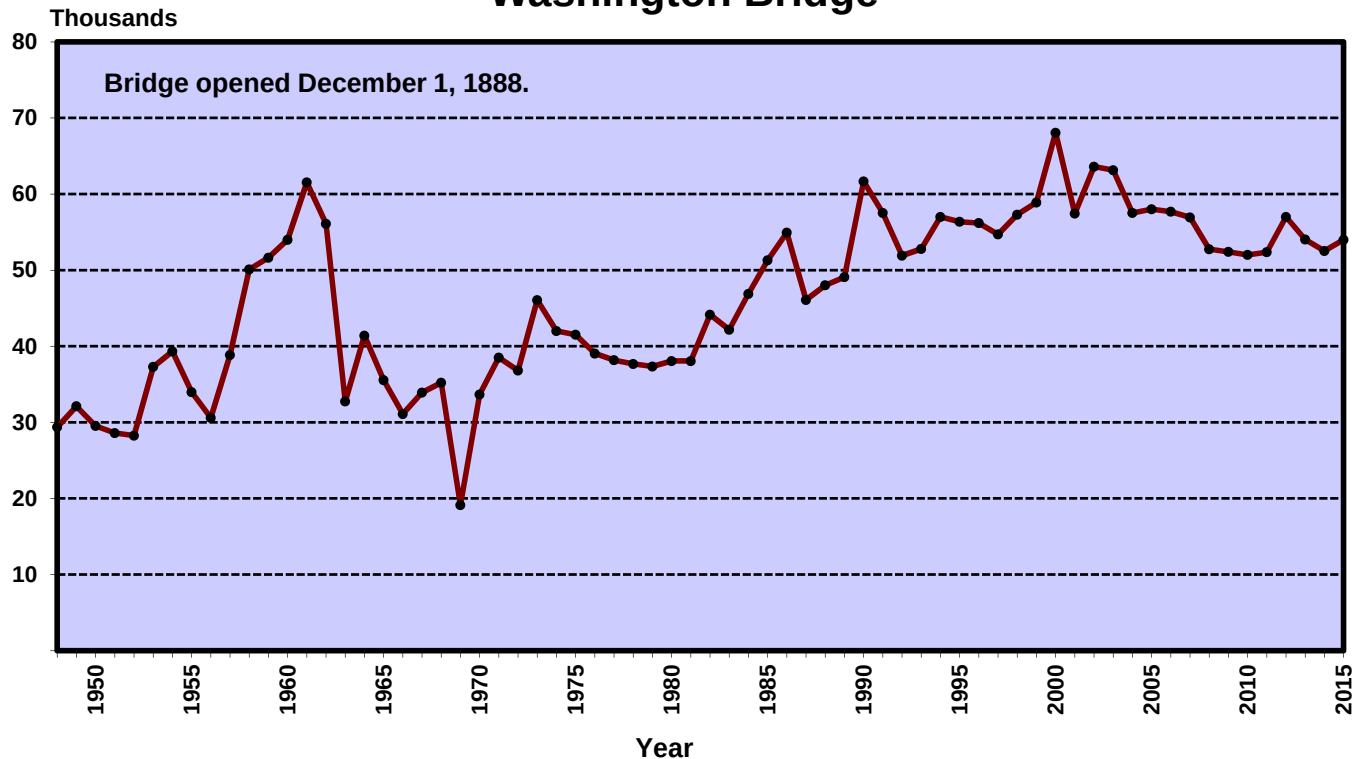
Based on October 2015 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Washington Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Washington Bridge



Hourly Vehicular Volumes

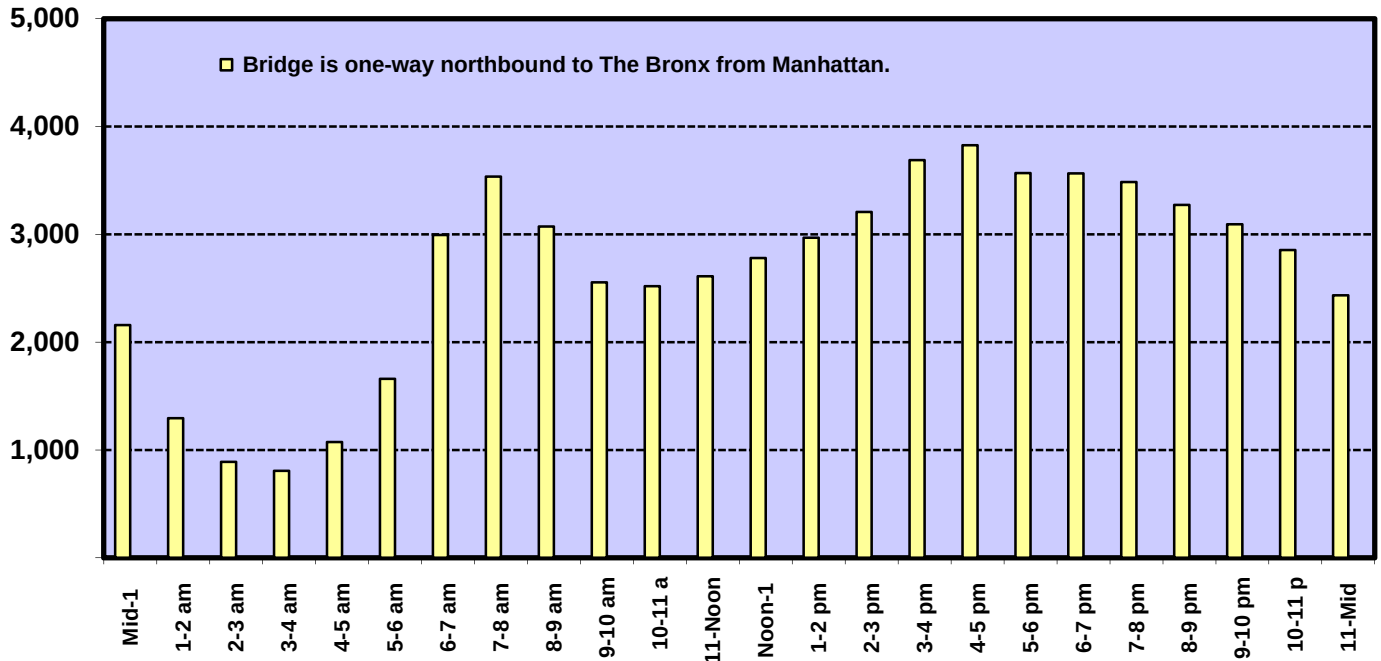
Willis Avenue Bridge - 2015

FHWA Classes ▶	Northbound to Bronx							Southbound to Manhattan						
	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles							Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles						
	Autos, Motorcycles SUVs, Family Vans	Taxis, Liveries, Limos	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles		Autos, Motorcycles SUVs, Family Vans	Taxis, Liveries, Limos	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	2-way Grand Totals
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	
12-1am	1,910	123	76	3	35	11	2,158							2,158
1-2am	1,113	75	49	4	31	22	1,294							1,294
2-3am	765	51	34	3	21	15	889							889
3-4am	692	47	31	3	19	14	806							806
4-5am	924	62	41	3	25	18	1,073							1,073
5-6am	1,374	98	70	9	55	54	1,660							1,660
6-7am	2,621	83	111	30	93	56	2,994							2,994
7-8am	3,145	89	126	57	94	24	3,535							3,535
8-9am	2,513	98	150	179	104	29	3,073							3,073
9-10am	2,010	93	203	78	147	24	2,555							2,555
10-11am	1,892	104	268	41	185	29	2,519							2,519
11-12am	1,970	86	302	19	205	29	2,611							2,611
12-1pm	2,062	110	281	34	257	36	2,780							2,780
1-2pm	2,245	96	318	28	250	32	2,969							2,969
2-3pm	2,503	64	347	39	229	25	3,207							3,207
3-4pm	2,935	104	339	105	180	25	3,688							3,688
4-5pm	2,978	152	395	139	150	12	3,826							3,826
5-6pm	3,027	90	281	55	104	11	3,568							3,568
6-7pm	3,204	55	203	26	70	8	3,566							3,566
7-8pm	3,149	88	153	17	70	8	3,485							3,485
8-9pm	2,996	88	115	10	51	13	3,273							3,273
9-10pm	2,813	106	85	7	67	16	3,094							3,094
10-11pm	2,578	124	100	6	37	9	2,854							2,854
11-12pm	2,146	131	107	7	39	5	2,435							2,435
Totals	53,565	2,217	4,185	902	2,518	525	63,912							63,912
7-10am	7,668	280	479	314	345	77	9,163							9,163
10am-1pm	5,924	300	851	94	647	94	7,910							7,910
1-4pm	7,683	264	1,004	172	659	82	9,864							9,864
4-7pm	9,209	297	879	220	324	31	10,960							10,960
7am-7pm	30,484	1,141	3,213	800	1,975	284	37,897							37,897
6-10am	10,289	363	590	344	438	133	12,157							12,157
3-7pm	12,144	401	1,218	325	504	56	14,648							14,648
6am-7pm	33,105	1,224	3,324	830	2,068	340	40,891							40,891

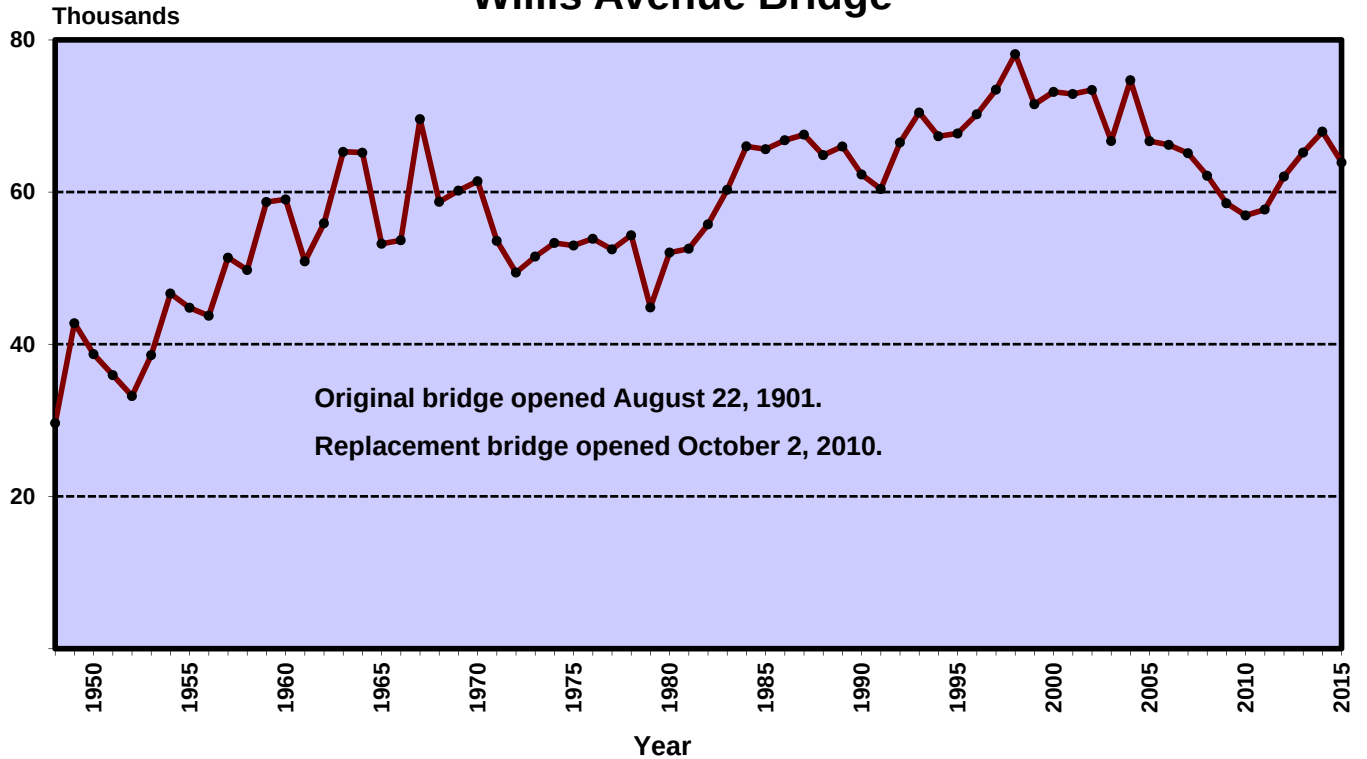
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Willis Avenue Bridge ~ 2015



Average Daily Traffic Volumes Willis Avenue Bridge



Hourly Vehicular Volumes

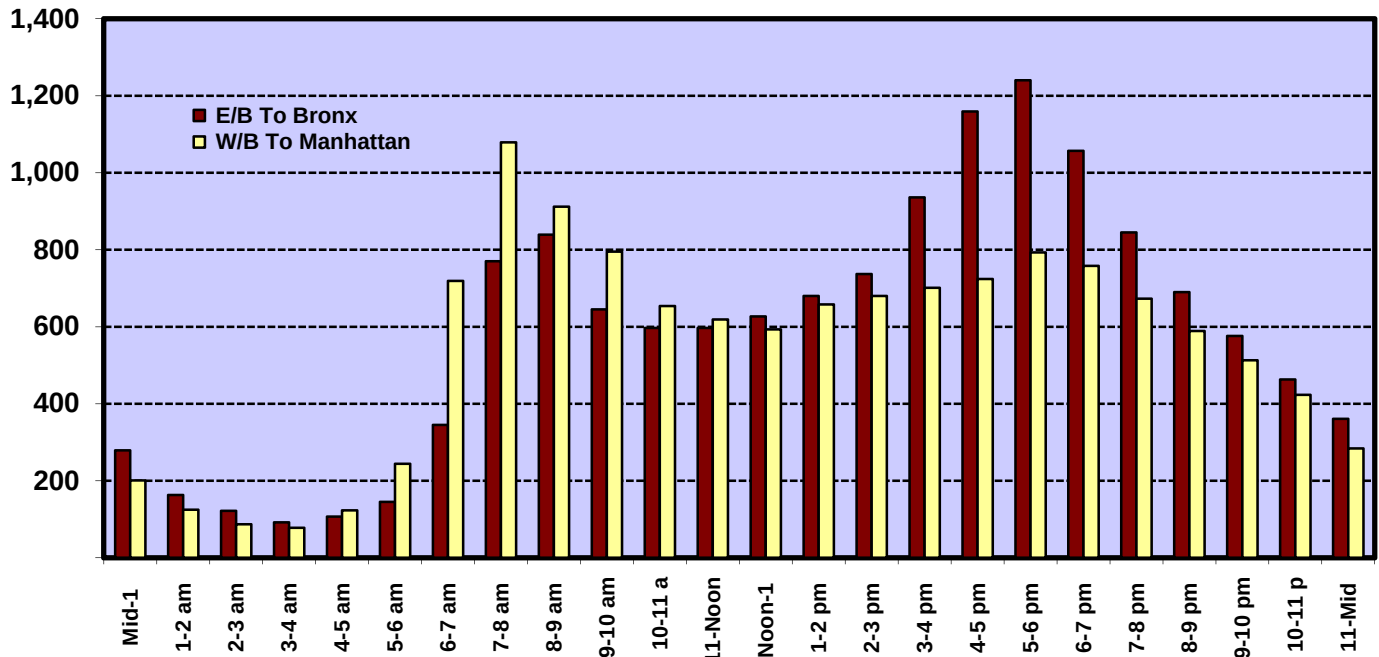
145th Street Bridge - 2015

Westbound to Manhattan														2-way Grand Totals
FHWA Classes ▶	Commercial Vans,													
	Autos, Motorcycles SUVs, Family Vans	Taxis, Liveries, Limos	Panel Trucks, Pickups, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	Autos, Motorcycles SUVs, Family Vans	Taxis, Liveries, Limos	Panel Trucks, Pickups, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	
12-1am	189	76	5	8	0	1	279	130	58	5	6	2	0	201
1-2am	69	81	7	4	1	1	163	65	57	1	1	1	0	125
2-3am	50	66	0	2	4	0	122	32	52	1	0	2	0	87
3-4am	40	43	1	1	4	3	92	34	35	4	3	1	1	78
4-5am	46	43	12	2	2	2	107	53	41	15	4	7	3	123
5-6am	89	42	5	3	6	0	145	162	49	9	9	13	2	244
6-7am	239	66	13	20	6	1	345	366	124	39	108	73	9	719
7-8am	551	159	27	22	10	1	770	664	221	78	57	40	19	1,079
8-9am	567	146	44	60	19	3	839	542	185	120	14	35	16	912
9-10am	367	197	32	18	27	4	645	485	163	77	16	48	6	795
10-11am	331	174	47	11	32	2	597	393	140	66	18	33	4	654
11-12am	351	143	58	12	28	5	627	371	149	58	11	23	7	619
12-1pm	342	146	75	12	45	7	680	385	105	70	13	13	7	593
1-2pm	410	132	68	15	53	2	680	410	125	58	21	40	4	658
2-3pm	440	167	64	13	50	3	737	475	102	39	38	22	4	680
3-4pm	590	185	67	59	34	1	936	543	86	36	29	5	2	701
4-5pm	695	190	116	117	36	5	1,159	611	68	21	18	4	2	724
5-6pm	863	244	68	32	32	1	1,240	621	128	21	10	12	1	793
6-7pm	889	79	48	12	26	3	1,057	576	147	15	8	11	1	758
7-8pm	699	85	39	11	10	1	845	559	83	17	8	4	2	673
8-9pm	601	38	28	11	12	0	690	481	84	11	6	5	2	589
9-10pm	372	180	16	6	2	0	576	387	97	14	8	6	1	513
10-11pm	298	139	13	8	5	0	463	313	88	9	7	5	1	423
11-12pm	240	97	12	6	6	0	361	222	50	6	2	1	3	284
Totals	9,328	2,918	865	465	450	46	14,072	8,880	2,437	790	415	406	97	13,025
7-10am	1,485	502	103	100	56	8	2,254	1,691	569	275	87	123	41	2,786
10am-1pm	1,024	463	180	35	105	14	1,821	1,149	394	194	42	69	18	1,866
1-4pm	1,440	484	199	87	137	6	2,353	1,428	313	133	88	67	10	2,039
4-7pm	2,447	513	232	161	94	9	3,456	1,808	343	57	36	27	4	2,275
7am-7pm	6,396	1,962	714	383	392	37	9,884	6,076	1,619	659	253	286	73	8,966
6-10am	1,724	568	116	120	62	9	2,599	2,057	693	314	195	196	50	3,505
3-7pm	3,037	698	299	220	128	10	4,392	2,351	429	93	65	32	6	2,976
6am-7pm	6,635	2,028	727	403	398	38	10,229	6,442	1,743	698	361	359	82	9,685

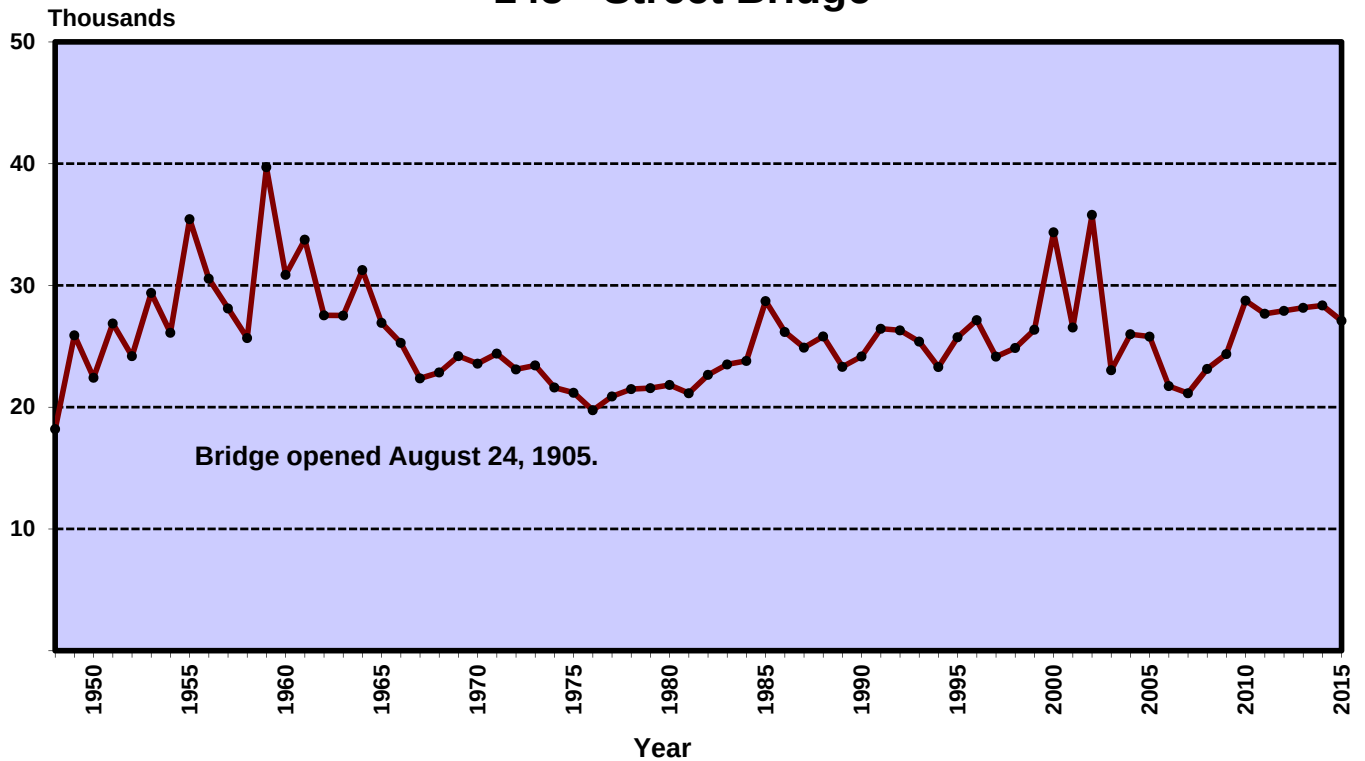
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes 145th Street Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions 145th Street Bridge



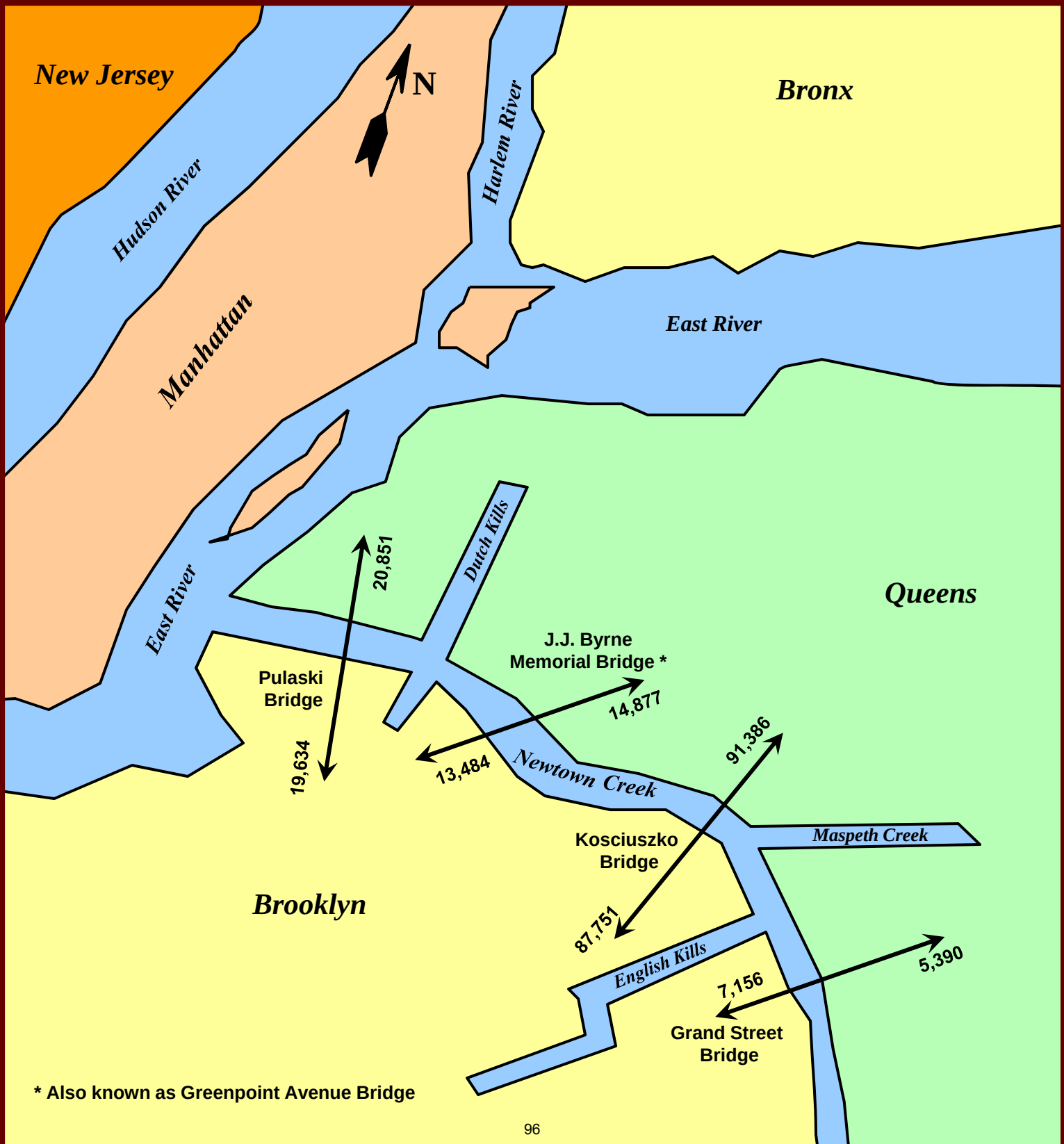
Brooklyn-Queens Bridges



Pulaski Bridge

Brooklyn-Queens Bridges

2015 Daily Volumes



Brooklyn - Queens Bridges ~ Average Daily Traffic Volumes

1948 - 2015

<i>Year</i>	<i>Grand Street Bridge</i>	<i>J.J. Byrne Memorial Bridge *</i>	<i>Kosciuszko Bridge</i>	<i>Pulaski Bridge</i>	<i>Totals</i>
1948	5,447	15,314	32,761	23,362	76,884
1949	6,007	14,499	30,827	14,445	65,778
1950	6,455	17,822	40,782	13,939	78,998
1951	6,295	21,594	44,886	22,705	95,480
1952	7,053	22,862	49,738	28,716	108,369
1953	7,685	24,360	53,213	23,460	108,718
1954	8,467	24,680	65,154	19,898	118,199
1955	8,040	22,055	53,563	32,360	116,018
1956	7,043	22,393	66,932	24,513	120,881
1957	6,408	23,801	78,216	29,185	137,610
1958	13,537	33,276	39,093	24,191	110,097
1959	11,373	18,702	92,192	21,870	144,137
1960	9,209	18,914	86,322	20,614	135,059
1961	10,843	18,028	93,055	23,935	145,861
1962	11,520	17,450	103,530	28,040	160,540
1963	12,020	17,630	102,190	28,560	160,400
1964	13,570	19,180	106,790	33,030	172,570
1965	8,065	21,965	110,764	30,585	171,379
1966	14,333	21,806	131,298	31,447	198,884
1967	13,437	23,827	132,586	27,845	197,695
1968	18,703	20,890	71,500	35,931	147,024
1969	14,148	24,549	126,858	33,474	199,029
1970	12,121	20,998	136,335	25,255	194,709
1971	11,710	19,189	139,912	29,813	200,624
1972	14,564	34,562	121,443	29,630	200,199
1973	11,723	26,798	99,044	30,472	168,037
1974	8,889	21,195	120,949	29,738	180,771
1975	4,271	19,669	140,882	29,712	194,534
1976	7,280	19,171	140,407	23,843	190,701
1977	8,052	16,513	142,185	25,682	192,432
1978	7,206	18,708	144,408	24,399	194,721
1979	8,912	17,914	141,154	33,334	201,314
1980	10,062	18,681	142,513	24,763	196,019
1981	8,898	15,470	153,985	23,134	201,487
1982	9,203	17,898	129,553	23,134	179,788
1983	10,787	16,528	165,958	28,430	221,703
1984	11,378	18,668	164,865	29,298	224,209
1985	13,791	Closed	168,680	42,579	225,050
1986	11,413	14,338	168,314	30,751	224,816
1987	12,838	14,066	181,056	31,015	238,975
1988	12,845	18,478	158,978	32,570	222,871
1989	13,041	17,473	176,288	33,087	239,889
1990	13,880	20,295	176,940	32,293	243,408
1991	13,940	24,375	166,340	31,817	236,472
1992	13,900	24,093	166,980	26,224	231,197
1993	12,448	25,701	166,592	25,279	230,020
1994	13,175	26,329	166,354	25,799	231,657
1995	13,250	26,936	168,639	28,480	237,305
1996	12,382	26,528	170,504	30,338	239,752
1997	12,875	24,937	189,210	31,563	258,585
1998	15,328	25,604	195,192	32,200	268,324
1999	14,390	26,613	194,784	30,975	266,762
2000	15,508	26,143	200,872	37,421	279,944
2001	13,895	26,766	196,565	39,062	276,288
2002	13,088	26,306	184,379	38,348	262,121
2003	14,139	28,755	194,497	38,346	275,737
2004	13,459	28,437	193,612	40,146	275,654
2005	13,016	29,449	198,813	38,911	280,189
2006	12,893	29,840	184,341	38,224	265,298
2007	12,585	27,027	186,493	37,221	263,326
2008	13,031	26,926	181,783	37,019	258,759
2009	12,576	26,637	188,322	36,103	263,638
2010	12,662	26,716	190,753	36,981	267,112
2011	12,320	25,709	191,624	37,422	267,075
2012	12,595	26,379	196,217	36,867	272,058
2013	13,843	25,701	191,225	39,076	269,845
2014	13,662	27,836	184,025	40,405	265,928
2015	12,546	28,361	179,137	40,485	260,529

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

Hourly Vehicular Volumes

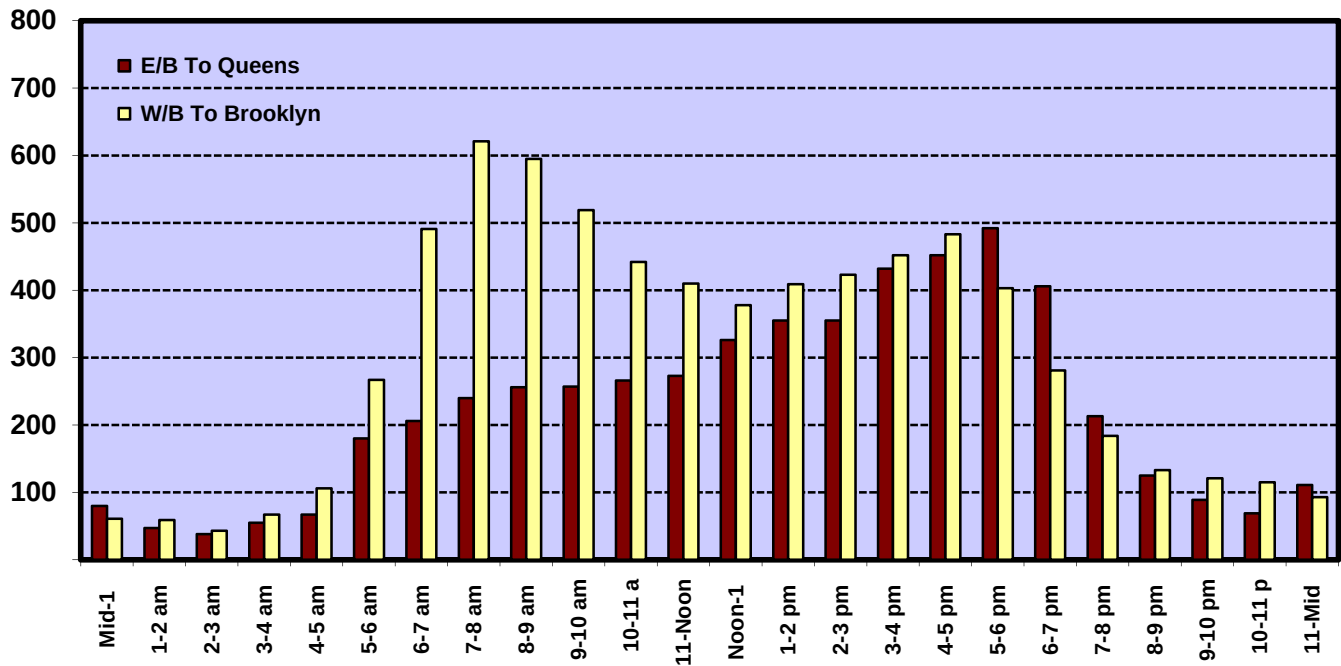
Grand Street Bridge - 2015

Eastbound to Queens							Westbound to Brooklyn							2-Way Totals
Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals			
12-1am	---	---	---	---	80	---	---	---	---	---	61	141		
1-2am	---	---	---	---	47	---	---	---	---	---	59	106		
2-3am	---	---	---	---	38	---	---	---	---	---	43	81		
3-4am	---	---	---	---	55	---	---	---	---	---	67	122		
4-5am	---	---	---	---	67	---	---	---	---	---	106	173		
5-6am	---	---	---	---	180	---	---	---	---	---	267	447		
6-7am	---	---	---	---	206	---	---	---	---	---	491	697		
7-8am	190	7	6	28	9	240	421	16	31	124	29	861		
8-9am	167	4	7	63	15	256	331	6	32	173	53	851		
9-10am	172	12	2	54	17	257	277	9	28	160	45	776		
10-11am	193	3	3	44	23	266	338	10	12	64	18	708		
11-12am	148	5	9	84	27	273	255	5	25	98	27	683		
12-1pm	273	8	3	33	9	326	306	9	12	40	11	704		
1-2pm	278	5	9	48	15	355	297	13	23	61	15	764		
2-3pm	220	9	10	86	30	355	223	5	29	132	34	778		
3-4pm	371	7	4	42	8	432	352	15	10	63	12	884		
4-5pm	363	12	12	47	18	452	355	9	25	74	20	935		
5-6pm	397	7	10	56	22	492	308	4	19	57	15	895		
6-7pm	321	6	8	55	16	406	235	5	13	25	3	687		
7-8pm	---	---	---	---	213	---	---	---	---	---	---	397		
8-9pm	---	---	---	---	125	---	---	---	---	---	---	258		
9-10pm	---	---	---	---	89	---	---	---	---	---	---	210		
10-11pm	---	---	---	---	69	---	---	---	---	---	---	184		
11-12pm	---	---	---	---	111	---	---	---	---	---	---	204		
Totals	---	---	---	---	5,390	---	---	---	---	---	---	12,546		
7-10am	529	23	15	145	41	753	1,029	31	91	457	127	2,488		
10am-1pm	614	16	15	161	59	865	899	24	49	202	56	2,095		
1-4pm	869	21	23	176	53	1,142	872	33	62	256	61	2,426		
4-7pm	1,081	25	30	158	56	1,350	898	18	57	156	38	2,517		
7am-7pm	3,093	85	83	640	209	4,110	3,698	106	259	1,071	282	9,526		
6-10am	---	---	---	---	---	959	---	---	---	---	---	3,185		
3-7pm	1,452	32	34	200	64	1,782	1,250	33	67	219	50	3,401		
6am-7pm	---	---	---	---	---	4,316	---	---	---	---	---	10,223		

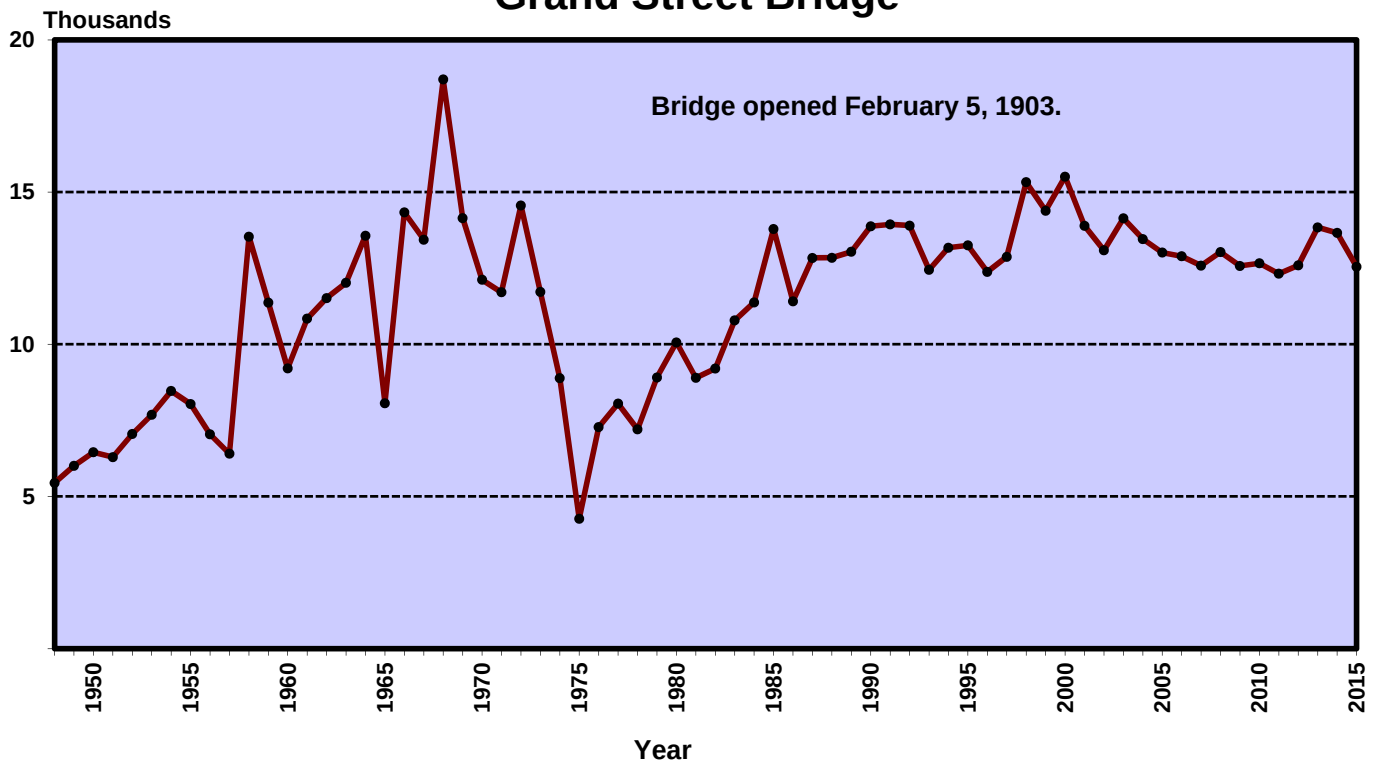
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Grand Street Bridge ~ 2015



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



Hourly Vehicular Volumes

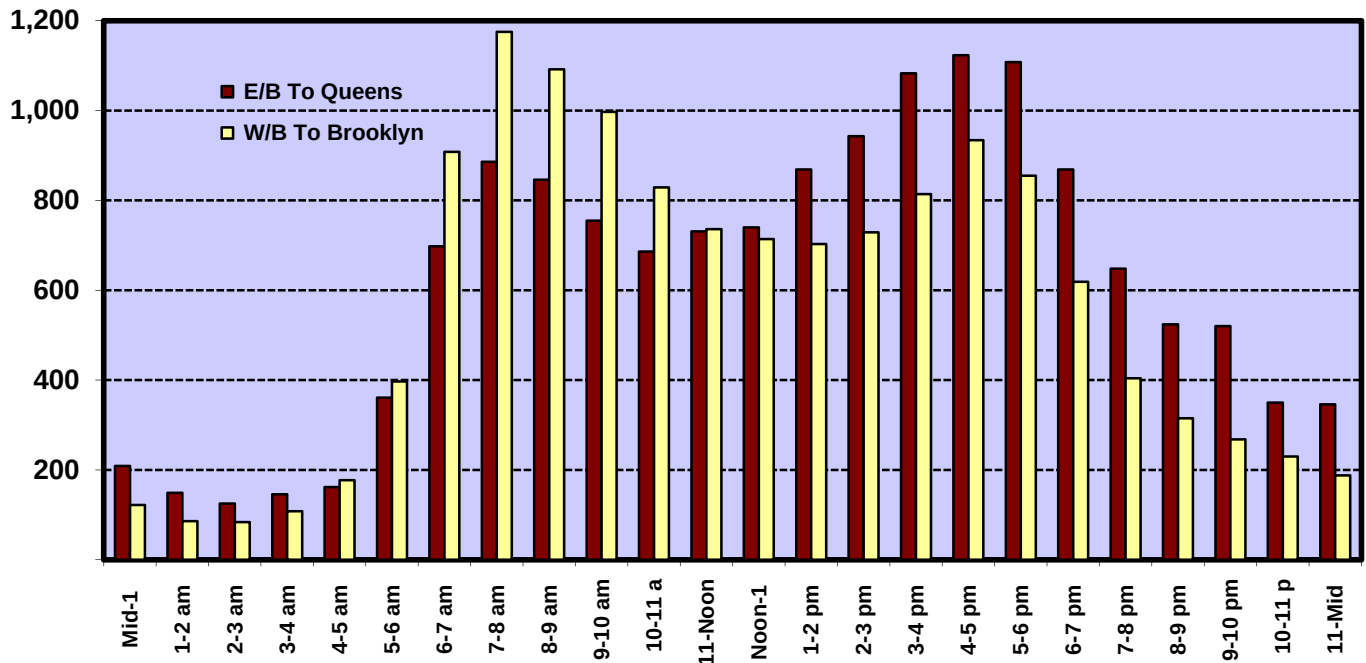
J.J. Byrne Memorial Bridge - 2015 (Greenpoint Avenue Bridge)

Eastbound to Queens										Westbound to Brooklyn											
FHWA Classes ▶	Commercial Vans, Panel Trucks,					Autos, Motorcycles					Commercial Vans, Panel Trucks,					Autos, Motorcycles					2-way Grand Totals
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	Single Unit Trucks	Multiple Unit Trucks	Buses	Taxis, Liveries, Limos	Pickups, Police, Fleet Vehicles	2 & 3	4	5 - 7	8 - 13	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles		
12-1am	130	43	14	3	14	5	209				96	6	5	1	8	6				331	
1-2am	80	46	4	2	11	6	149				44	15	11	0	5	11				235	
2-3am	53	36	11	2	14	9	125				34	8	16	2	14	10				209	
3-4am	64	28	13	5	23	13	146				52	6	20	1	15	14				254	
4-5am	67	18	22	0	37	18	162				89	6	36	2	24	20				339	
5-6am	230	17	33	4	42	35	361				281	14	36	16	30	20				758	
6-7am	469	21	75	11	80	42	698				669	8	110	19	91	11				1,606	
7-8am	590	21	100	15	141	19	886				842	27	109	16	145	36			**	2,061	
8-9am	528	23	124	23	135	13	846				697	55	182	24	115	19				1,938	
9-10am	437	41	134	13	105	25	755				558	66	148	11	186	28				1,752	
10-11am	379	36	119	9	116	27	686				513	57	116	8	118	17				1,515	
11-12am	396	47	120	7	134	27	731				463	51	75	12	119	16				1,467	
12-1pm	417	49	143	7	103	21	740				439	65	89	4	104	13				1,454	
1-2pm	504	38	133	2	166	26	869				436	65	77	8	106	11				1,572	
2-3pm	596	38	162	0	123	24	943				523	54	55	6	72	19				1,672	
3-4pm	722	40	161	8	124	28	1,083				581	57	71	7	85	13				1,897	
4-5pm	826	30	146	10	98	13	1,123	**			658	73	106	7	75	15				2,057	
5-6pm	847	60	125	3	70	3	1,108				646	55	77	6	66	5				1,963	
6-7pm	697	40	74	8	36	14	869				502	36	33	12	32	4				1,488	
7-8pm	511	38	35	9	43	12	648				328	27	27	4	11	7				1,052	
8-9pm	413	42	37	4	17	11	524				260	11	28	3	7	6				839	
9-10pm	400	59	15	6	22	18	520				218	12	18	5	11	4				788	
10-11pm	260	40	18	7	18	7	350				190	8	14	5	8	5				580	
11-12pm	240	47	23	6	21	9	346				138	9	13	3	19	6				534	
Totals	9,856	898	1,841	164	1,693	425	14,877				9,257	791	1,472	182	1,466	316				28,361	
7-10am	1,555	85	358	51	381	57	2,487				2,097	148	439	51	446	83				5,751	
10am-1pm	1,192	132	382	23	353	75	2,157				1,415	173	280	24	341	46				4,436	
1-4pm	1,822	116	456	10	413	78	2,895				1,540	176	203	21	263	43				5,141	
4-7pm	2,370	130	345	21	204	30	3,100				1,806	164	216	25	173	24				5,508	
7am-7pm	6,939	463	1,541	105	1,351	240	10,639				6,858	661	1,138	121	1,223	196				20,836	
6-10am	2,024	106	433	62	461	99	3,185				2,766	156	549	70	537	94				7,357	
3-7pm	3,092	170	506	29	328	58	4,183				2,387	221	287	32	258	37				7,405	
6am-7pm	7,408	484	1,616	116	1,431	282	11,337				7,527	669	1,248	140	1,314	207				22,442	

Based on October 2014 Classification Survey Data.

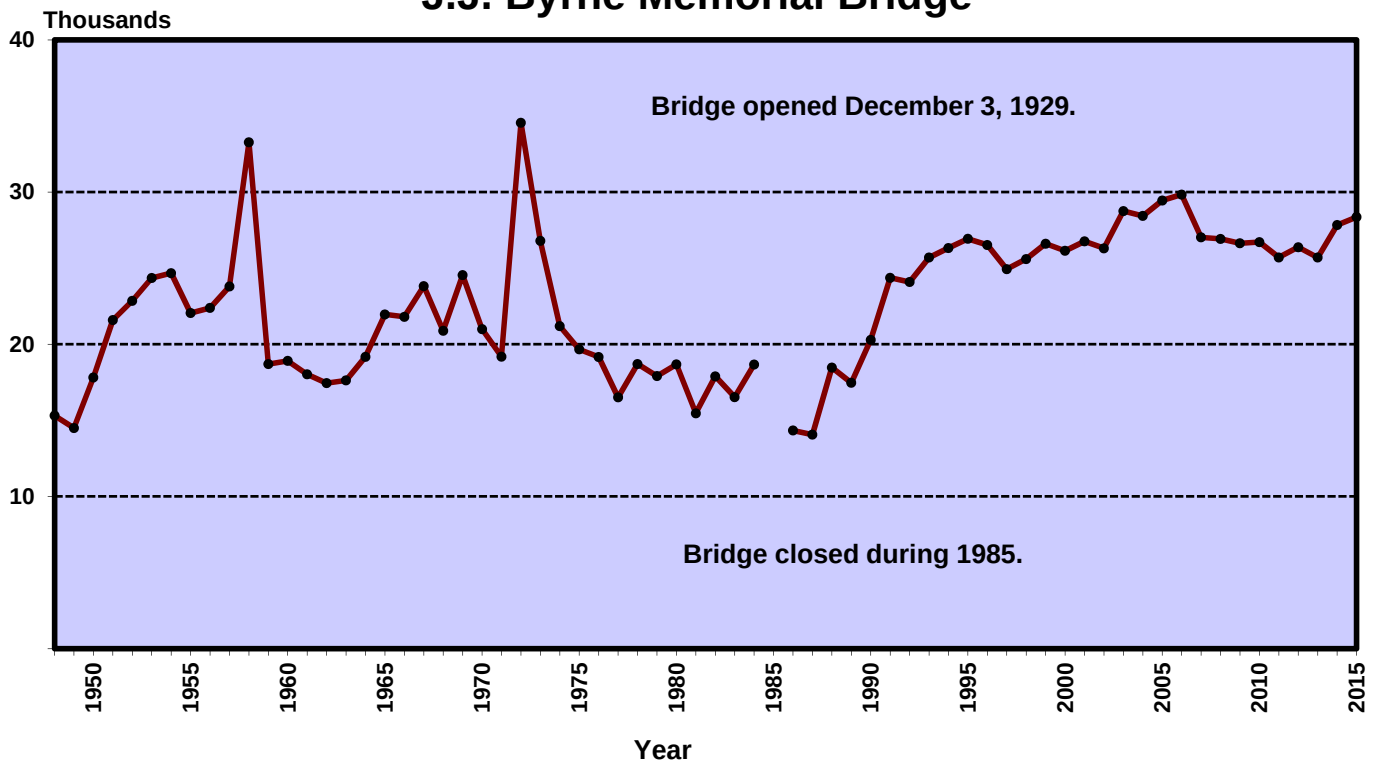
** Peak Volumes

Hourly Vehicular Volumes J.J. Byrne Memorial Bridge ~ 2015



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

Average Daily Traffic Volumes ~ Total of Both Directions J.J. Byrne Memorial Bridge



Hourly Vehicular Volumes

Kosciuszko Bridge - 2015

Eastbound to Queens

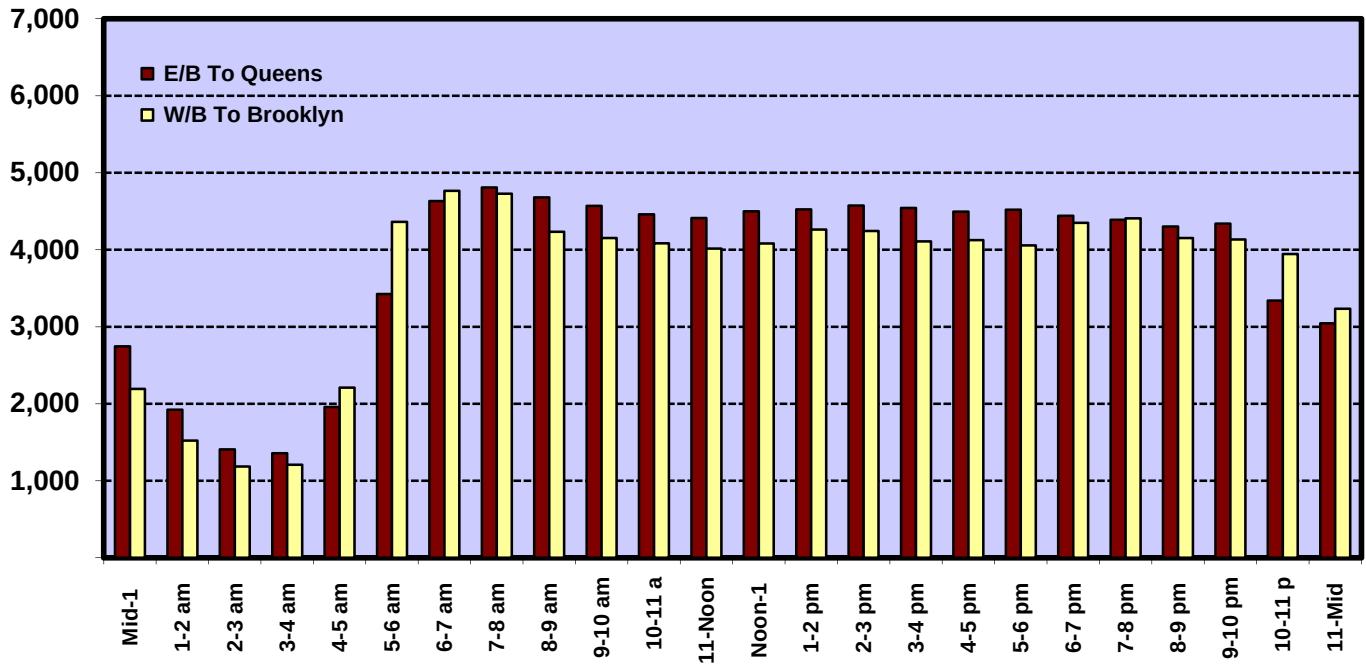
Westbound to Brooklyn

FHWA Classes	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles										Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles										2-way Grand Totals										
	Autos, SUVs, Family Vans		Taxis, Liveries, Limos		Pickups, Police, Fleet Vehicles		Buses		Single Unit Trucks		Multiple Unit Trucks		Autos, SUVs, Family Vans		Taxis, Liveries, Limos		Pickups, Police, Fleet Vehicles		Buses			Single Unit Trucks		Multiple Unit Trucks		Total Vehicles					
12-1am	2,049	397	134	10	48	107	2,745	1,592	318	68	9	83	122	2,192	4,937	12-1am	2,049	397	134	10	48	107	2,745	1,592	318	68	9	83	122	2,192	4,937
1-2am	1,323	297	86	2	104	111	1,923	977	254	82	0	97	111	1,521	3,444	1-2am <td>1,323</td> <td>297</td> <td>86</td> <td>2</td> <td>104</td> <td>111</td> <td>1,923</td> <td>977</td> <td>254</td> <td>82</td> <td>0</td> <td>97</td> <td>111</td> <td>1,521</td> <td>3,444</td>	1,323	297	86	2	104	111	1,923	977	254	82	0	97	111	1,521	3,444
2-3am	808	208	65	0	132	195	1,408	671	171	70	7	99	167	1,185	2,593	2-3am <td>808</td> <td>208</td> <td>65</td> <td>0</td> <td>132</td> <td>195</td> <td>1,408</td> <td>671</td> <td>171</td> <td>70</td> <td>7</td> <td>99</td> <td>167</td> <td>1,185</td> <td>2,593</td>	808	208	65	0	132	195	1,408	671	171	70	7	99	167	1,185	2,593
3-4am	775	148	75	6	125	229	1,358	751	139	77	0	114	126	1,207	2,565	3-4am <td>775</td> <td>148</td> <td>75</td> <td>6</td> <td>125</td> <td>229</td> <td>1,358</td> <td>751</td> <td>139</td> <td>77</td> <td>0</td> <td>114</td> <td>126</td> <td>1,207</td> <td>2,565</td>	775	148	75	6	125	229	1,358	751	139	77	0	114	126	1,207	2,565
4-5am	1,117	154	121	8	218	341	1,959	1,481	241	162	5	187	133	2,209	4,168	4-5am <td>1,117</td> <td>154</td> <td>121</td> <td>8</td> <td>218</td> <td>341</td> <td>1,959</td> <td>1,481</td> <td>241</td> <td>162</td> <td>5</td> <td>187</td> <td>133</td> <td>2,209</td> <td>4,168</td>	1,117	154	121	8	218	341	1,959	1,481	241	162	5	187	133	2,209	4,168
5-6am	2,278	217	234	17	249	429	3,424	2,708	271	921	16	305	141	4,362	7,786	5-6am <td>2,278</td> <td>217</td> <td>234</td> <td>17</td> <td>249</td> <td>429</td> <td>3,424</td> <td>2,708</td> <td>271</td> <td>921</td> <td>16</td> <td>305</td> <td>141</td> <td>4,362</td> <td>7,786</td>	2,278	217	234	17	249	429	3,424	2,708	271	921	16	305	141	4,362	7,786
6-7am	3,222	265	408	61	398	279	4,633	3,188	185	597	47	568	181	4,766	9,399	6-7am <td>3,222</td> <td>265</td> <td>408</td> <td>61</td> <td>398</td> <td>279</td> <td>4,633</td> <td>3,188</td> <td>185</td> <td>597</td> <td>47</td> <td>568</td> <td>181</td> <td>4,766</td> <td>9,399</td>	3,222	265	408	61	398	279	4,633	3,188	185	597	47	568	181	4,766	9,399
7-8am	3,531	168	464	42	378	226	4,809	3,398	93	681	24	392	140	4,728	9,537	7-8am <td>3,531</td> <td>168</td> <td>464</td> <td>42</td> <td>378</td> <td>226</td> <td>4,809</td> <td>3,398</td> <td>93</td> <td>681</td> <td>24</td> <td>392</td> <td>140</td> <td>4,728</td> <td>9,537</td>	3,531	168	464	42	378	226	4,809	3,398	93	681	24	392	140	4,728	9,537
8-9am	3,257	181	578	57	413	194	4,680	2,937	82	659	17	387	151	4,233	8,913	8-9am <td>3,257</td> <td>181</td> <td>578</td> <td>57</td> <td>413</td> <td>194</td> <td>4,680</td> <td>2,937</td> <td>82</td> <td>659</td> <td>17</td> <td>387</td> <td>151</td> <td>4,233</td> <td>8,913</td>	3,257	181	578	57	413	194	4,680	2,937	82	659	17	387	151	4,233	8,913
9-10am	2,831	221	646	34	516	321	4,569	2,689	81	567	31	524	260	4,152	8,721	9-10am <td>2,831</td> <td>221</td> <td>646</td> <td>34</td> <td>516</td> <td>321</td> <td>4,569</td> <td>2,689</td> <td>81</td> <td>567</td> <td>31</td> <td>524</td> <td>260</td> <td>4,152</td> <td>8,721</td>	2,831	221	646	34	516	321	4,569	2,689	81	567	31	524	260	4,152	8,721
10-11am	2,628	246	669	59	559	299	4,460	2,836	93	536	33	417	168	4,083	8,543	10-11am <td>2,628</td> <td>246</td> <td>669</td> <td>59</td> <td>559</td> <td>299</td> <td>4,460</td> <td>2,836</td> <td>93</td> <td>536</td> <td>33</td> <td>417</td> <td>168</td> <td>4,083</td> <td>8,543</td>	2,628	246	669	59	559	299	4,460	2,836	93	536	33	417	168	4,083	8,543
11-12am	2,693	245	666	30	517	260	4,411	2,712	105	528	26	423	220	4,014	8,425	11-12am <td>2,693</td> <td>245</td> <td>666</td> <td>30</td> <td>517</td> <td>260</td> <td>4,411</td> <td>2,712</td> <td>105</td> <td>528</td> <td>26</td> <td>423</td> <td>220</td> <td>4,014</td> <td>8,425</td>	2,693	245	666	30	517	260	4,411	2,712	105	528	26	423	220	4,014	8,425
12-1pm	2,900	218	643	24	496	218	4,499	2,781	116	515	36	440	194	4,082	8,581	12-1pm <td>2,900</td> <td>218</td> <td>643</td> <td>24</td> <td>496</td> <td>218</td> <td>4,499</td> <td>2,781</td> <td>116</td> <td>515</td> <td>36</td> <td>440</td> <td>194</td> <td>4,082</td> <td>8,581</td>	2,900	218	643	24	496	218	4,499	2,781	116	515	36	440	194	4,082	8,581
1-2pm	2,878	202	751	24	437	233	4,525	2,942	98	523	40	510	149	4,262	8,787	1-2pm <td>2,878</td> <td>202</td> <td>751</td> <td>24</td> <td>437</td> <td>233</td> <td>4,525</td> <td>2,942</td> <td>98</td> <td>523</td> <td>40</td> <td>510</td> <td>149</td> <td>4,262</td> <td>8,787</td>	2,878	202	751	24	437	233	4,525	2,942	98	523	40	510	149	4,262	8,787
2-3pm	2,965	213	755	24	463	153	4,573	3,200	118	387	25	437	77	4,244	8,817	2-3pm <td>2,965</td> <td>213</td> <td>755</td> <td>24</td> <td>463</td> <td>153</td> <td>4,573</td> <td>3,200</td> <td>118</td> <td>387</td> <td>25</td> <td>437</td> <td>77</td> <td>4,244</td> <td>8,817</td>	2,965	213	755	24	463	153	4,573	3,200	118	387	25	437	77	4,244	8,817
3-4pm	3,067	187	838	30	339	81	4,542	3,092	109	417	43	364	84	4,109	8,651	3-4pm <td>3,067</td> <td>187</td> <td>838</td> <td>30</td> <td>339</td> <td>81</td> <td>4,542</td> <td>3,092</td> <td>109</td> <td>417</td> <td>43</td> <td>364</td> <td>84</td> <td>4,109</td> <td>8,651</td>	3,067	187	838	30	339	81	4,542	3,092	109	417	43	364	84	4,109	8,651
4-5pm	3,246	148	769	11	240	81	4,495	3,322	110	350	28	251	64	4,125	8,620	4-5pm <td>3,246</td> <td>148</td> <td>769</td> <td>11</td> <td>240</td> <td>81</td> <td>4,495</td> <td>3,322</td> <td>110</td> <td>350</td> <td>28</td> <td>251</td> <td>64</td> <td>4,125</td> <td>8,620</td>	3,246	148	769	11	240	81	4,495	3,322	110	350	28	251	64	4,125	8,620
5-6pm	3,500	123	608	26	190	72	4,519	3,454	130	219	10	207	37	4,057	8,576	5-6pm <td>3,500</td> <td>123</td> <td>608</td> <td>26</td> <td>190</td> <td>72</td> <td>4,519</td> <td>3,454</td> <td>130</td> <td>219</td> <td>10</td> <td>207</td> <td>37</td> <td>4,057</td> <td>8,576</td>	3,500	123	608	26	190	72	4,519	3,454	130	219	10	207	37	4,057	8,576
6-7pm	3,547	172	449	23	193	57	4,441	3,800	164	165	18	154	48	4,349	8,790	6-7pm <td>3,547</td> <td>172</td> <td>449</td> <td>23</td> <td>193</td> <td>57</td> <td>4,441</td> <td>3,800</td> <td>164</td> <td>165</td> <td>18</td> <td>154</td> <td>48</td> <td>4,349</td> <td>8,790</td>	3,547	172	449	23	193	57	4,441	3,800	164	165	18	154	48	4,349	8,790
7-8pm	3,604	179	350	19	164	73	4,389	3,856	187	181	24	132	27	4,407	8,796	7-8pm <td>3,604</td> <td>179</td> <td>350</td> <td>19</td> <td>164</td> <td>73</td> <td>4,389</td> <td>3,856</td> <td>187</td> <td>181</td> <td>24</td> <td>132</td> <td>27</td> <td>4,407</td> <td>8,796</td>	3,604	179	350	19	164	73	4,389	3,856	187	181	24	132	27	4,407	8,796
8-9pm	3,586	213	279	37	103	83	4,301	3,667	182	127	15	122	40	4,153	8,454	8-9pm <td>3,586</td> <td>213</td> <td>279</td> <td>37</td> <td>103</td> <td>83</td> <td>4,301</td> <td>3,667</td> <td>182</td> <td>127</td> <td>15</td> <td>122</td> <td>40</td> <td>4,153</td> <td>8,454</td>	3,586	213	279	37	103	83	4,301	3,667	182	127	15	122	40	4,153	8,454
9-10pm	3,634	305	217	18	89	76	4,339	3,578	237	93	50	110	65	4,133	8,472	9-10pm <td>3,634</td> <td>305</td> <td>217</td> <td>18</td> <td>89</td> <td>76</td> <td>4,339</td> <td>3,578</td> <td>237</td> <td>93</td> <td>50</td> <td>110</td> <td>65</td> <td>4,133</td> <td>8,472</td>	3,634	305	217	18	89	76	4,339	3,578	237	93	50	110	65	4,133	8,472
10-11pm	2,810	229	156	8	60	77	3,340	3,094	455	165	13	102	115	3,944	7,284	10-11pm <td>2,810</td> <td>229</td> <td>156</td> <td>8</td> <td>60</td> <td>77</td> <td>3,340</td> <td>3,094</td> <td>455</td> <td>165</td> <td>13</td> <td>102</td> <td>115</td> <td>3,944</td> <td>7,284</td>	2,810	229	156	8	60	77	3,340	3,094	455	165	13	102	115	3,944	7,284
11-12pm	2,537	237	123	9	51	87	3,044	2,358	588	112	11	45	120	3,234	6,278	11-12pm <td>2,537</td> <td>237</td> <td>123</td> <td>9</td> <td>51</td> <td>87</td> <td>3,044</td> <td>2,358</td> <td>588</td> <td>112</td> <td>11</td> <td>45</td> <td>120</td> <td>3,234</td> <td>6,278</td>	2,537	237	123	9	51	87	3,044	2,358	588	112	11	45	120	3,234	6,278
Totals	64,786	5,173	10,084	579	6,482	4,282	91,386	65,084	4,527	8,202	528	6,470	2,940	87,751	179,137	Totals <td>64,786</td> <td>5,173</td> <td>10,084</td> <td>579</td> <td>6,482</td> <td>4,282</td> <td>91,386</td> <td>65,084</td> <td>4,527</td> <td>8,202</td> <td>528</td> <td>6,470</td> <td>2,940</td> <td>87,751</td> <td>179,137</td>	64,786	5,173	10,084	579	6,482	4,282	91,386	65,084	4,527	8,202	528	6,470	2,940	87,751	179,137
7-10am	9,619	570	1,688	133	1,307	741	14,058	9,024	256	1,907	72	1,303	551	13,113	27,171	7-10am <td>9,619</td> <td>570</td> <td>1,688</td> <td>133</td> <td>1,307</td> <td>741</td> <td>14,058</td> <td>9,024</td> <td>256</td> <td>1,907</td> <td>72</td> <td>1,303</td> <td>551</td> <td>13,113</td> <td>27,171</td>	9,619	570	1,688	133	1,307	741	14,058	9,024	256	1,907	72	1,303	551	13,113	27,171
10am-1pm	8,221	709	1,978	113	1,572	777	13,370	8,329	314	1,579	95	1,280	582	12,179	25,549	10am-1pm <td>8,221</td> <td>709</td> <td>1,978</td> <td>113</td> <td>1,572</td> <td>777</td> <td>13,370</td> <td>8,329</td> <td>314</td> <td>1,579</td> <td>95</td> <td>1,280</td> <td>582</td> <td>12,179</td> <td>25,549</td>	8,221	709	1,978	113	1,572	777	13,370	8,329	314	1,579	95	1,280	582	12,179	25,549
1-4pm	8,910	602	2,344	78	1,239	467	13,640	9,234	325	1,327	108	1,311	310	12,615	26,255	1-4pm <td>8,910</td> <td>602</td> <td>2,344</td> <td>78</td> <td>1,239</td> <td>467</td> <td>13,640</td> <td>9,234</td> <td>325</td> <td>1,327</td> <td>108</td> <td>1,311</td> <td>310</td> <td>12,615</td> <td>26,255</td>	8,910	602	2,344	78	1,239	467	13,640	9,234	325	1,327	108	1,311	310	12,615	26,255
4-7pm	10,293	443	1,826	60	623	210	13,455	10,576	404	734	56	612	149	12,531	25,986	4-7pm <td>10,293</td> <td>443</td> <td>1,826</td> <td>60</td> <td>623</td> <td>210</td> <td>13,455</td> <td>10,576</td> <td>404</td> <td>734</td> <td>56</td> <td>612</td> <td>149</td> <td>12,531</td> <td>25,986</td>	10,293	443	1,826	60	623	210	13,455	10,576	404	734	56	612	149	12,531	25,986
7am-7pm	37,043	2,324	7,836	384	4,741	2,195	54,523	37,163	1,299	5,547	331	4,506	1,592	50,438	104,961	7am-7pm <td>37,043</td> <td>2,324</td> <td>7,836</td> <td>384</td> <td>4,741</td> <td>2,195</td> <td>54,523</td> <td>37,163</td> <td>1,299</td> <td>5,547</td> <td>331</td> <td>4,506</td> <td>1,592</td> <td>50,438</td> <td>104,961</td>	37,043	2,324	7,836	384	4,741	2,195	54,523	37,163	1,299	5,547	331	4,506	1,592	50,438	104,961
6-10am	12,841	835	2,096	194	1,705	1,020	18,691	12,212	441	2,504	119	1,871	732	17,879	36,570	6-10am <td>12,841</td> <td>835</td> <td>2,096</td> <td>194</td> <td>1,705</td> <td>1,020</td> <td>18,691</td> <td>12,212</td> <td>441</td> <td>2,504</td> <td>119</td> <td>1,871</td> <td>732</td> <td>17,879</td> <td>36,570</td>	12,841	835	2,096	194	1,705	1,020	18,691	12,212	441	2,504	119	1,871	732	17,879	36,570
3-7pm	13,360	630	2,664	90	962	291	17,997	13,668	513	1,151	99	976	233	16,640	34,637	3-7pm <td>13,360</td> <td>630</td> <td>2,664</td> <td>90</td> <td>962</td> <td>291</td> <td>17,997</td> <td>13,668</td> <td>513</td> <td>1,151</td> <td>99</td> <td>976</td> <td>233</td> <td>16,640</td> <td>34,637</td>	13,360	630	2,664	90	962	291	17,997	13,668	513	1,151	99	976	233	16,640	34,637
6am-7pm	40,265	2,589	8,244	445	5,139	2,474	59,156	40,351	1,484	6,144	378	5,074	1,773	55,204	114,360	6am-7pm <td>40,265</td> <td>2,589</td> <td>8,244</td> <td>445</td> <td>5,139</td> <td>2,474</td> <td>59,156</td> <td>40,351</td> <td>1,484</td> <td>6,144</td> <td>378</td> <td>5,074</td> <td>1,773</td> <td>55,204</td> <td>114,360</td>	40,265	2,589	8,244	445	5,139	2,474	59,156	40,351	1,484	6,144	378	5,074	1,773	55,204	114,360

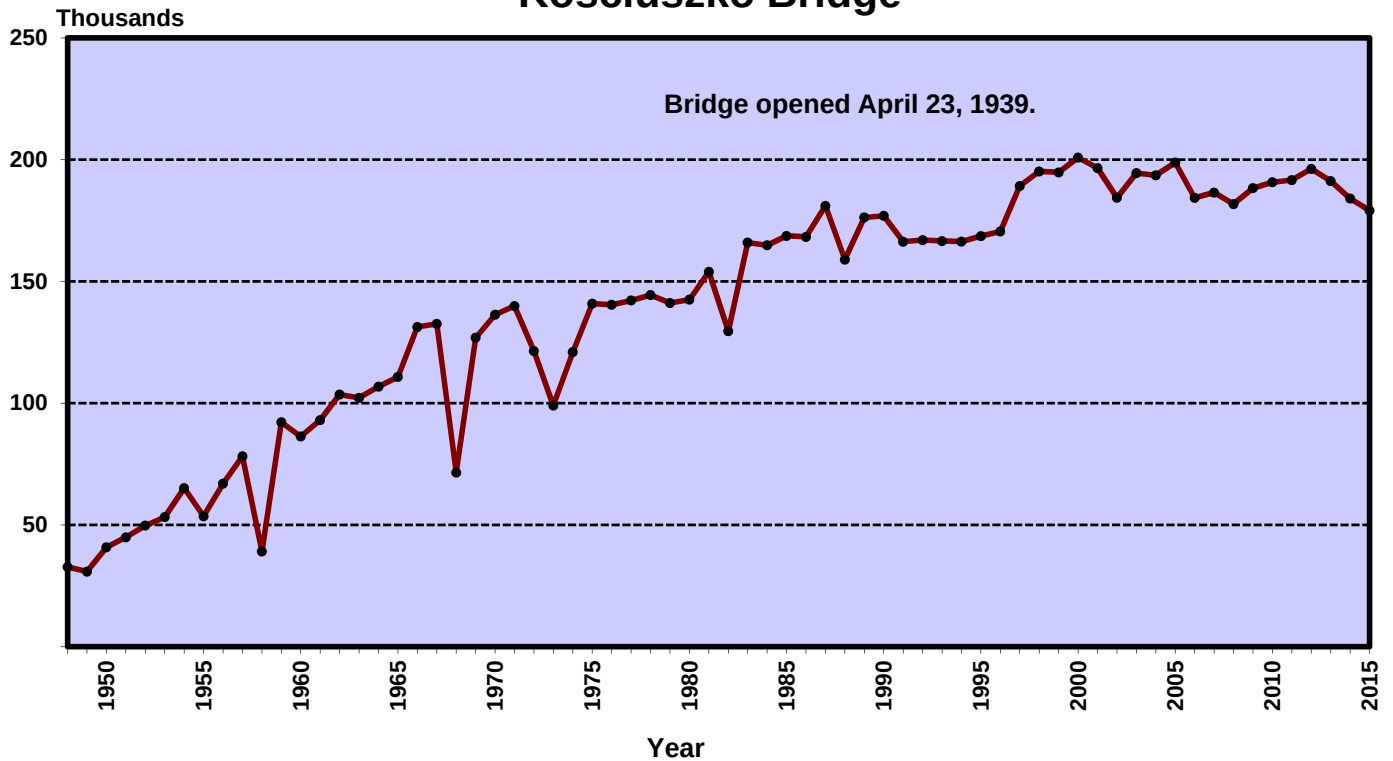
Based on November 2014 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Kosciuszko Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Kosciuszko Bridge



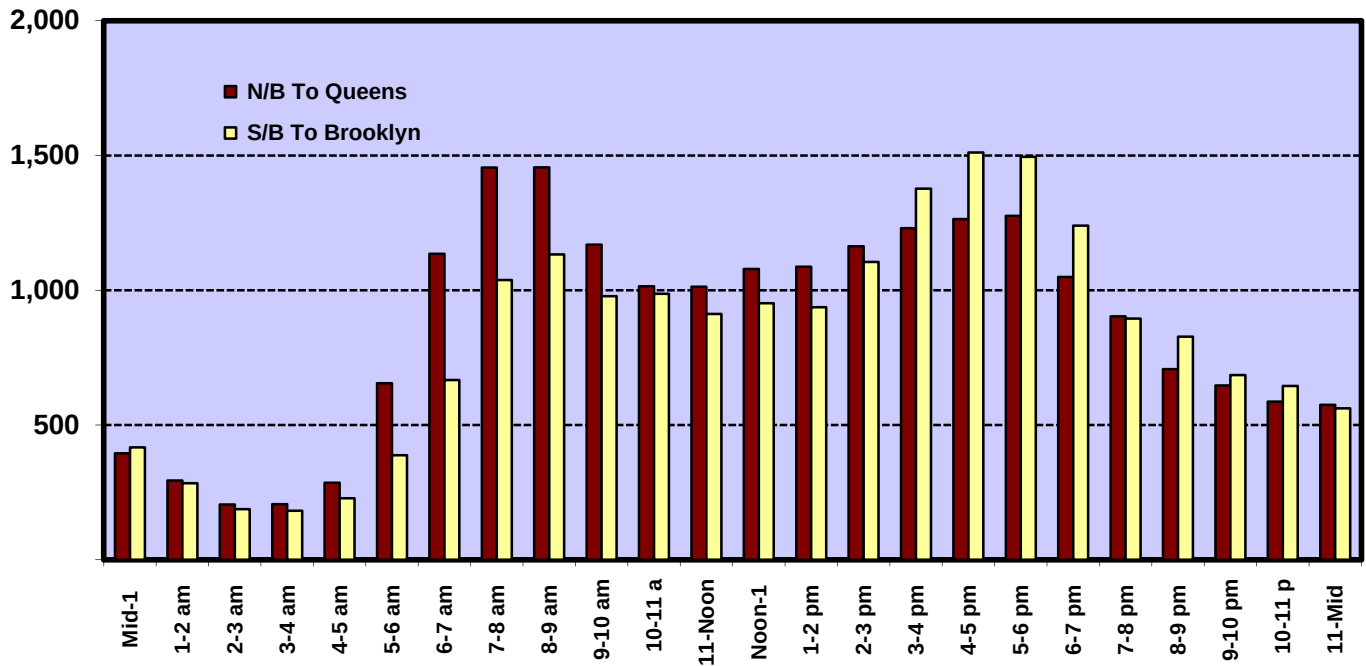
Hourly Vehicular Volumes

Northbound to Queens										Southbound to Brooklyn										
FHWA Classes ▶	Commercial Vans, Panel Trucks,					Autos, Motorcycles					Commercial Vans, Panel Trucks,					Autos, Motorcycles				
	Taxis, Liveries, Limos		Pickups, Police, Fleet Vehicles		Buses	Single Unit Trucks		Multiple Unit Trucks		Total Vehicles	Taxis, Liveries, Limos		Pickups, Police, Fleet Vehicles		Buses	Single Unit Trucks		Multiple Unit Trucks		Total Vehicles
	1, 2, 3	2	2 & 3	4		5 - 7	8 - 13	1, 2, 3	2		2 & 3	4	5 - 7	8 - 13						
12-1am	245	125	8	4	13	0	395	245	150	9	4	8	1	417	812					
1-2am	115	155	4	3	17	0	294	137	123	4	2	12	6	284	578					
2-3am	80	105	11	4	3	2	205	89	82	5	1	9	2	393	393					
3-4am	94	90	12	1	9	0	206	93	68	7	2	8	4	388	388					
4-5am	171	85	8	3	18	1	286	135	52	12	6	15	8	228	514					
5-6am	513	75	24	9	27	7	655	276	57	24	7	20	4	388	1,043					
6-7am	920	45	72	46	36	16	1,135	511	50	35	19	43	9	667	1,802					
7-8am	1,122	46	180	25	68	14	1,455	752	57	109	26	77	17	1,038	2,493					
8-9am	1,096	55	175	12	103	15	1,456	814	42	130	52	86	9	1,133	2,589					
9-10am	788	52	222	18	84	5	1,169	697	45	125	36	63	12	978	2,147					
10-11am	654	61	162	30	98	10	1,015	691	54	118	26	79	19	987	2,002					
11-12am	681	50	180	12	77	13	1,013	629	46	108	22	95	12	912	1,925					
12-1pm	726	46	182	13	107	5	1,079	681	34	114	20	80	23	952	2,031					
1-2pm	727	31	175	34	109	11	1,087	669	31	110	29	86	12	937	2,024					
2-3pm	837	42	132	27	115	10	1,163	774	34	163	23	91	20	1,105	2,268					
3-4pm	861	70	139	26	128	6	1,230	1,069	52	118	41	90	7	1,377	2,607					
4-5pm	959	107	104	16	69	9	1,264	1,183	80	121	43	66	18	1,511	2,775					
5-6pm	1,032	96	82	14	42	10	1,276	1,178	87	142	24	44	20	1,495	2,771					
6-7pm	875	60	61	9	33	11	1,049	1,006	109	62	15	33	15	1,240	2,289					
7-8pm	753	55	42	14	39	0	903	718	81	30	10	48	8	895	1,798					
8-9pm	571	78	20	10	26	2	707	644	109	37	11	18	9	828	1,535					
9-10pm	516	74	19	8	25	5	647	528	117	17	7	12	4	685	1,332					
10-11pm	456	74	17	7	31	2	587	462	134	23	5	13	8	645	1,232					
11-12pm	442	86	13	10	20	4	575	392	138	3	5	15	9	562	1,137					
Totals	15,234	1,763	2,044	355	1,297	158	20,851	14,373	1,832	1,626	436	1,111	256	19,634	40,485					
7-10am	3,006	153	577	55	255	34	4,080	2,263	144	364	114	226	38	3,149	7,229					
10am-1pm	2,061	157	524	55	282	28	3,107	2,001	134	340	68	254	54	2,851	5,958					
1-4pm	2,425	143	446	87	352	27	3,480	2,512	117	391	93	267	39	3,419	6,899					
4-7pm	2,866	263	247	39	144	30	3,589	3,367	276	325	82	143	53	4,246	7,835					
7am-7pm	10,358	716	1,794	236	1,033	119	14,256	10,143	671	1,420	357	890	184	13,665	27,921					
6-10am	3,926	198	649	101	291	50	5,215	2,774	194	399	133	269	47	3,816	9,031					
3-7pm	3,727	333	386	65	272	36	4,819	4,436	328	443	123	233	60	5,623	10,442					
8am-7pm	11,278	761	1,866	282	1,069	135	15,391	10,654	721	1,455	376	933	193	14,332	29,723					

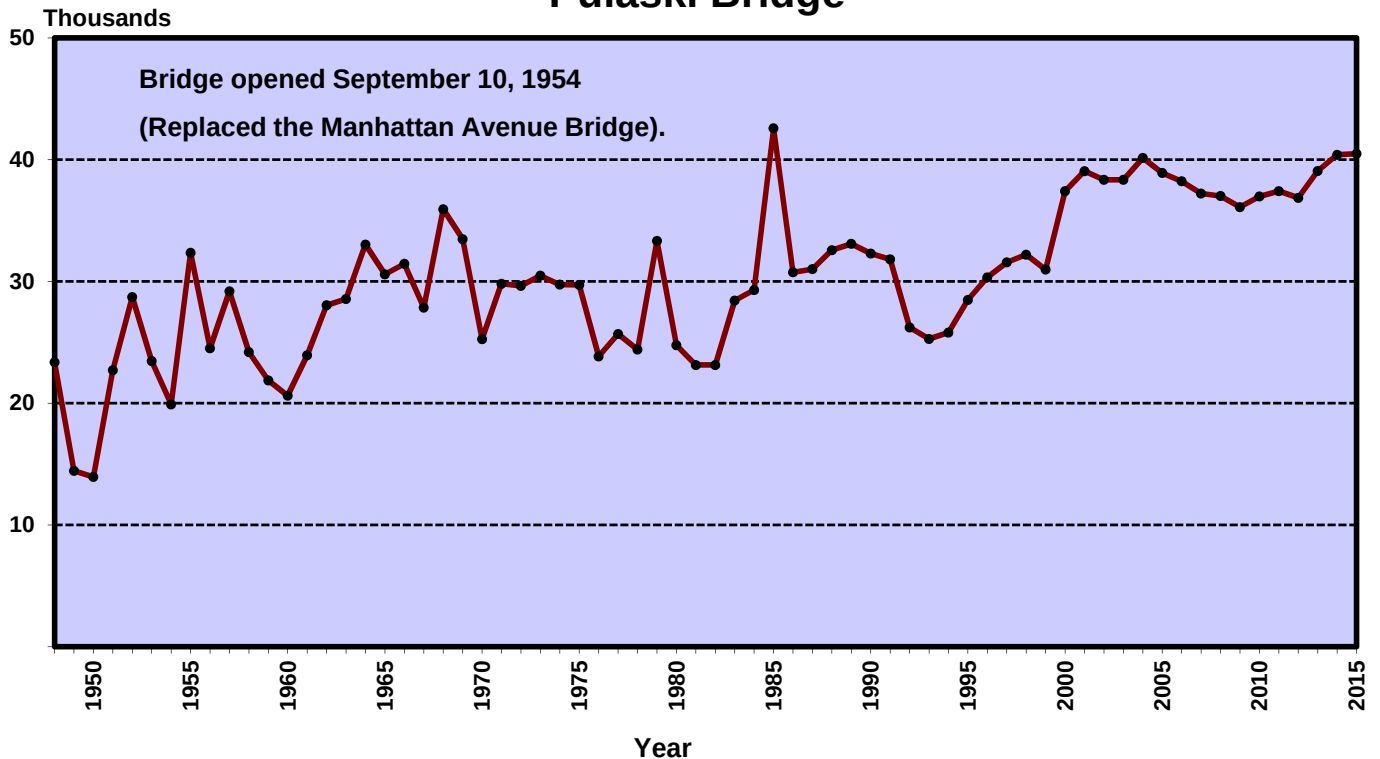
Based on December 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Pulaski Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Pulaski Bridge



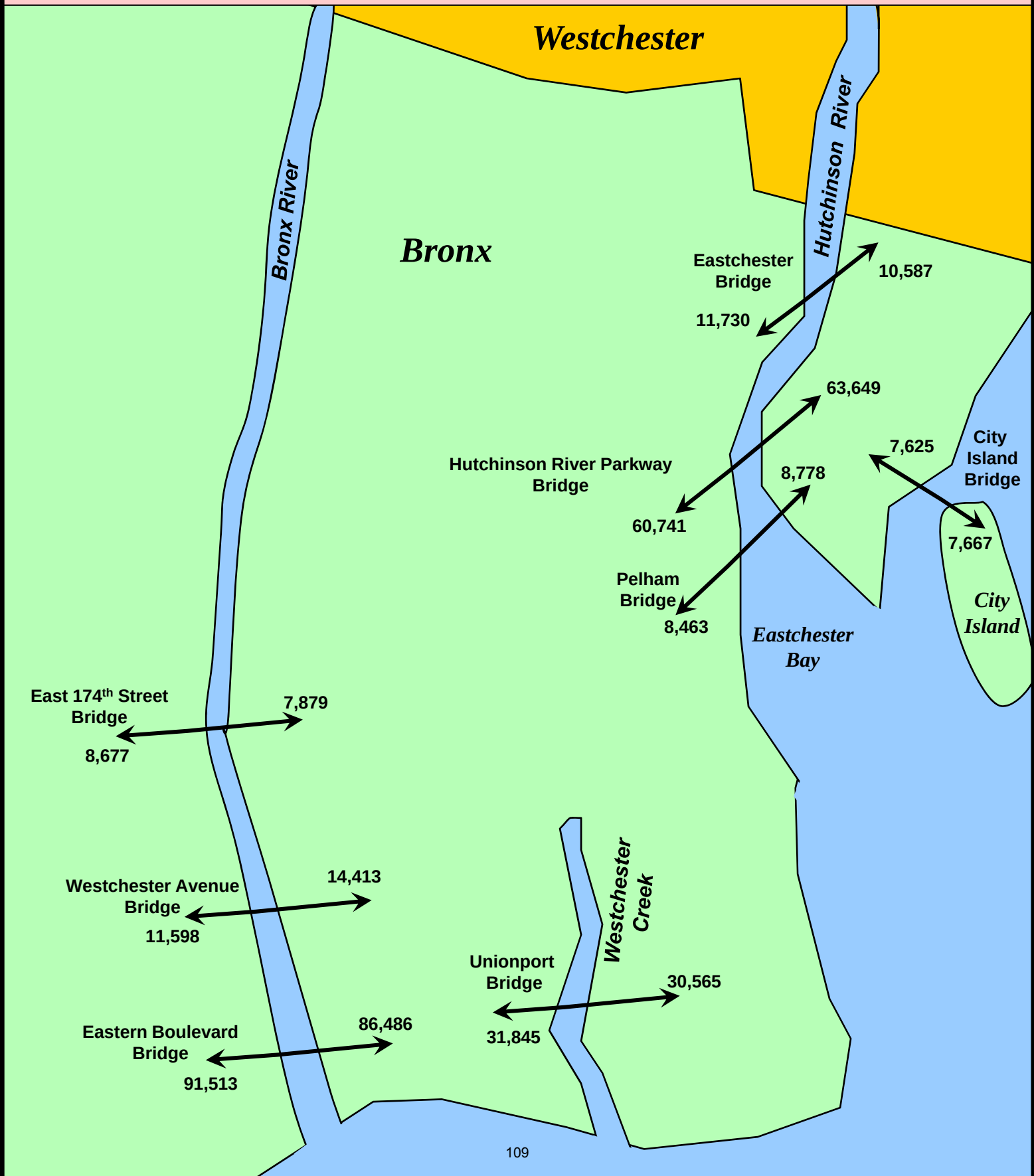
Bronx Bridges



Pelham Bridge

Bronx Bridges

2015 Daily Volumes



Bronx Bridges
Average Daily Traffic Volumes
1948 - 2015

Year	City Island	East 174th Street	Eastchester	Eastern Boulevard	Hutchinson River Pky
1948	4,249	8,995	15,012	44,563	15,085
1949	4,078	8,287	11,322	42,615	20,087
1950	3,712	10,607	13,715	48,184	21,513
1951	3,588	11,187	14,992	46,804	21,237
1952	3,474	11,588	15,964	68,245	24,247
1953	4,850	9,996	14,341	58,492	32,805
1954	3,969	11,299	15,079	78,010	24,706
1955	3,855	11,533	14,087	60,892	27,337
1956	5,377	8,329	14,715	63,449	37,155
1957	5,301	8,873	13,163	60,323	33,533
1958	3,925	6,927	11,192	56,647	34,067
1959	4,442	8,539	11,728	50,787	31,559
1960	6,071	9,259	9,527	67,082	33,048
1961	7,167	12,863	5,491	71,734	34,858
1962	6,030	12,420	8,590	85,070	28,330
1963	7,210	9,190	10,840	80,840	35,690
1964	8,930	10,540	11,480	94,660	37,790
1965	9,909	10,272	12,853	94,167	48,870
1966	7,512	10,867	12,000	88,510	52,483
1967	8,269	12,583	12,000	70,612	47,693
1968	8,508	12,296	11,472	82,581	50,427
1969	9,267	11,034	13,940	93,850	48,629
1970	8,996	10,924	15,977	106,685	42,887
1971	8,724	10,473	26,743	126,757	49,136
1972	9,433	10,676	22,801	145,755	47,487
1973	12,481	11,909	21,800	104,293	51,137
1974	10,009	9,994	20,724	124,668	47,737
1975	11,836	9,356	20,599	123,389	51,629
1976	10,112	9,632	17,351	124,087	52,498
1977	10,073	7,493	17,935	114,478	51,613
1978	10,559	7,967	19,595	122,745	68,239
1979	10,355	6,203	16,893	128,836	47,187
1980	9,922	6,328	17,644	126,040	57,192
1981	10,216	6,037	17,723	125,133	59,824
1982	10,447	6,641	18,848	125,945	69,091
1983	11,056	10,252	18,162	130,492	59,615
1984	11,715	10,134	21,448	136,387	69,925
1985	10,180	Closed	20,955	138,725	59,455
1986	14,063	9,632	20,571	147,789	78,211
1987	12,639	10,489	22,870	154,741	79,179
1988	13,444	10,659	23,275	154,385	80,904
1989	13,843	11,574	19,307	136,008	85,410
1990	16,240	13,702	20,559	117,384	91,280
1991	15,299	14,587	20,520	122,414	76,794
1992	13,960	15,558	20,783	123,097	76,641
1993	13,938	13,734	20,825	128,713	78,053
1994	13,867	12,876	19,997	125,592	80,773
1995	14,911	12,428	18,872	130,647	85,985
1996	14,062	12,719	20,172	133,517	84,158
1997	14,264	11,955	21,001	133,278	85,703
1998	14,954	13,758	21,415	151,238	93,304
1999	16,863	5,667	21,510	157,987	98,700
2000	18,844	11,838	22,583	163,954	105,792
2001	20,012	12,093	22,810	169,437	108,191
2002	16,637	12,786	22,255	178,983	110,141
2003	14,617	14,229	24,193	170,735	117,195
2004	14,528	12,184	22,480	178,724	119,029
2005	15,297	13,632	22,318	183,743	118,387
2006	15,339	13,662	20,890	182,579	120,599
2007	15,188	14,436	21,431	180,128	117,660
2008	15,955	14,158	20,842	174,597	121,499
2009	14,313	14,130	20,329	176,800	119,285
2010	15,380	16,499	25,374	174,168	122,416
2011	14,480	15,940	21,292	175,020	115,574
2012	16,424	15,534	21,483	168,451	118,000
2013	16,431	15,273	21,393	175,436	120,999
2014	15,915	16,144	24,071	176,945	121,281
2015	15,292	16,556	22,317	177,999	124,390

Bronx Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2015

Year	Pelham	Unionport	Westchester Avenue	Totals
1948	5,084	37,359	10,900	141,247
1949	5,252	30,278	13,763	135,682
1950	5,872	32,969	14,401	150,973
1951	4,357	30,100	12,962	145,227
1952	4,511	40,854	14,570	183,453
1953	4,331	38,468	14,716	177,999
1954	5,998	28,890	15,106	183,057
1955	4,122	45,292	13,131	180,249
1956	6,908	47,992	13,884	197,809
1957	6,824	45,010	11,004	184,031
1958	5,599	69,044	9,547	196,948
1959	5,731	62,198	13,547	188,531
1960	6,844	59,433	14,493	205,757
1961	9,857	107,115	10,820	259,905
1962	6,410	104,820	11,350	263,020
1963	9,780	113,680	24,010	291,240
1964	11,010	134,200	19,580	328,190
1965	13,345	139,724	22,218	351,358
1966	10,064	149,176	23,417	354,029
1967	11,025	149,032	26,768	337,982
1968	15,521	177,024	31,690	389,519
1969	11,624	168,297	22,213	378,854
1970	11,320	146,748	23,067	366,604
1971	13,098	135,254	20,855	391,040
1972	16,440	70,659	22,291	345,542
1973	10,852	30,459	29,185	272,116
1974	12,963	33,528	22,386	282,009
1975	12,992	34,648	20,323	284,772
1976	13,284	29,903	23,448	280,315
1977	12,177	33,289	21,422	268,480
1978	14,866	36,515	20,762	301,248
1979	12,978	34,574	20,640	277,666
1980	16,327	28,702	22,228	284,383
1981	13,210	34,492	21,298	287,933
1982	Closed	37,935	22,693	291,600
1983	10,740	38,676	22,693	301,686
1984	14,862	41,548	Closed	306,019
1985	12,603	42,915	26,239	311,072
1986	15,753	45,382	24,856	356,257
1987	14,498	45,450	22,624	362,490
1988	15,144	41,573	25,186	364,570
1989	15,644	43,696	29,445	354,927
1990	18,728	38,541	27,140	343,574
1991	20,917	37,842	30,548	338,921
1992	23,895	40,348	29,462	343,744
1993	20,235	40,385	20,893	336,776
1994	23,960	41,910	21,540	340,515
1995	23,598	39,811	21,757	348,009
1996	24,807	47,953	24,117	361,505
1997	22,963	47,941	25,741	362,846
1998	23,264	48,975	25,863	392,771
1999	21,430	50,563	31,214	403,934
2000	23,007	49,006	29,922	424,946
2001	22,694	52,418	31,584	439,239
2002	15,663	51,347	29,551	437,363
2003	18,023	60,993	28,201	448,186
2004	18,292	60,908	26,861	453,006
2005	17,972	60,605	27,195	459,149
2006	16,749	61,262	24,921	456,001
2007	19,041	59,906	25,846	453,636
2008	19,131	62,342	25,789	454,313
2009	17,521	61,700	25,131	449,209
2010	17,159	64,098	25,978	461,072
2011	16,966	61,619	26,287	447,178
2012	17,668	62,845	27,408	447,813
2013	18,330	61,892	26,976	456,730
2014	18,117	62,715	25,204	460,392
2015	17,241	62,410	26,011	462,216

Hourly Vehicular Volumes

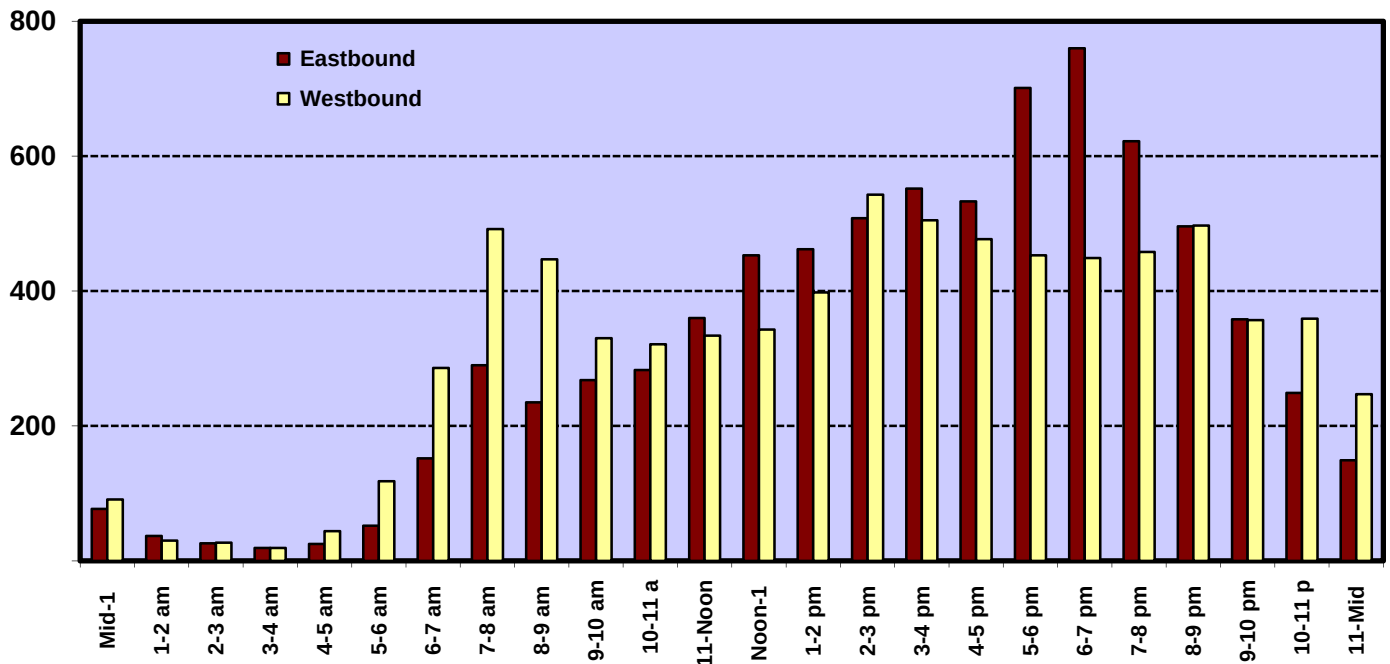
City Island Bridge - 2015

Eastbound							Westbound							2-Way Totals
Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals			
12-1am	---	---	---	---	77	---	---	---	---	---	91	168		
1-2am	---	---	---	---	37	---	---	---	---	---	30	67		
2-3am	---	---	---	---	26	---	---	---	---	---	27	53		
3-4am	---	---	---	---	19	---	---	---	---	---	19	38		
4-5am	---	---	---	---	25	---	---	---	---	---	44	69		
5-6am	---	---	---	---	52	---	---	---	---	---	118	170		
6-7am	---	---	---	---	152	---	---	---	---	---	286	438		
7-8am	241	10	13	6	290	444	10	0	19	19	492	782		
8-9am	182	11	9	6	235	389	14	0	14	30	447	682		
9-10am	225	4	4	7	268	299	4	0	9	18	330	598		
10-11am	265	0	4	6	283	307	3	1	8	2	321	604		
11-12am	308	5	9	6	360	323	6	0	2	3	334	694		
12-1pm	418	2	9	3	453	329	8	0	4	2	343	796		
1-2pm	432	2	1	6	462	373	2	0	5	18	398	860		
2-3pm	425	10	13	20	508	467	12	3	25	36	543	1,051		
3-4pm	516	10	6	7	552	475	15	0	5	10	505	1,057		
4-5pm	465	2	20	9	533	440	2	0	8	27	477	1,010		
5-6pm	649	7	13	8	701	422	5	0	9	17	453	1,154		
6-7pm	718	5	7	11	760	425	6	0	8	10	449	1,209		
7-8pm	---	---	---	---	622	---	---	---	---	---	458	1,080		
8-9pm	---	---	---	---	496	---	---	---	---	---	497	993		
9-10pm	---	---	---	---	358	---	---	---	---	---	357	715		
10-11pm	---	---	---	---	249	---	---	---	---	---	359	608		
11-12pm	---	---	---	---	149	---	---	---	---	---	247	396		
Totals	---	---	---	---	7,667	---	---	---	---	---	7,625	15,292		
7-10am	648	25	26	19	75	1,132	28	0	42	67	1,269	2,062		
10am-1pm	991	7	22	15	61	959	17	1	14	7	998	2,094		
1-4pm	1,373	22	20	33	74	1,315	29	3	35	64	1,446	2,968		
4-7pm	1,832	14	40	28	80	1,287	13	0	25	54	1,379	3,373		
7am-7pm	4,844	68	108	95	290	4,693	87	4	116	192	5,092	10,497		
6-10am														
3-7pm	2,348	24	46	35	93	1,762	28	0	30	64	1,555	2,500		
6am-7pm														
											</			

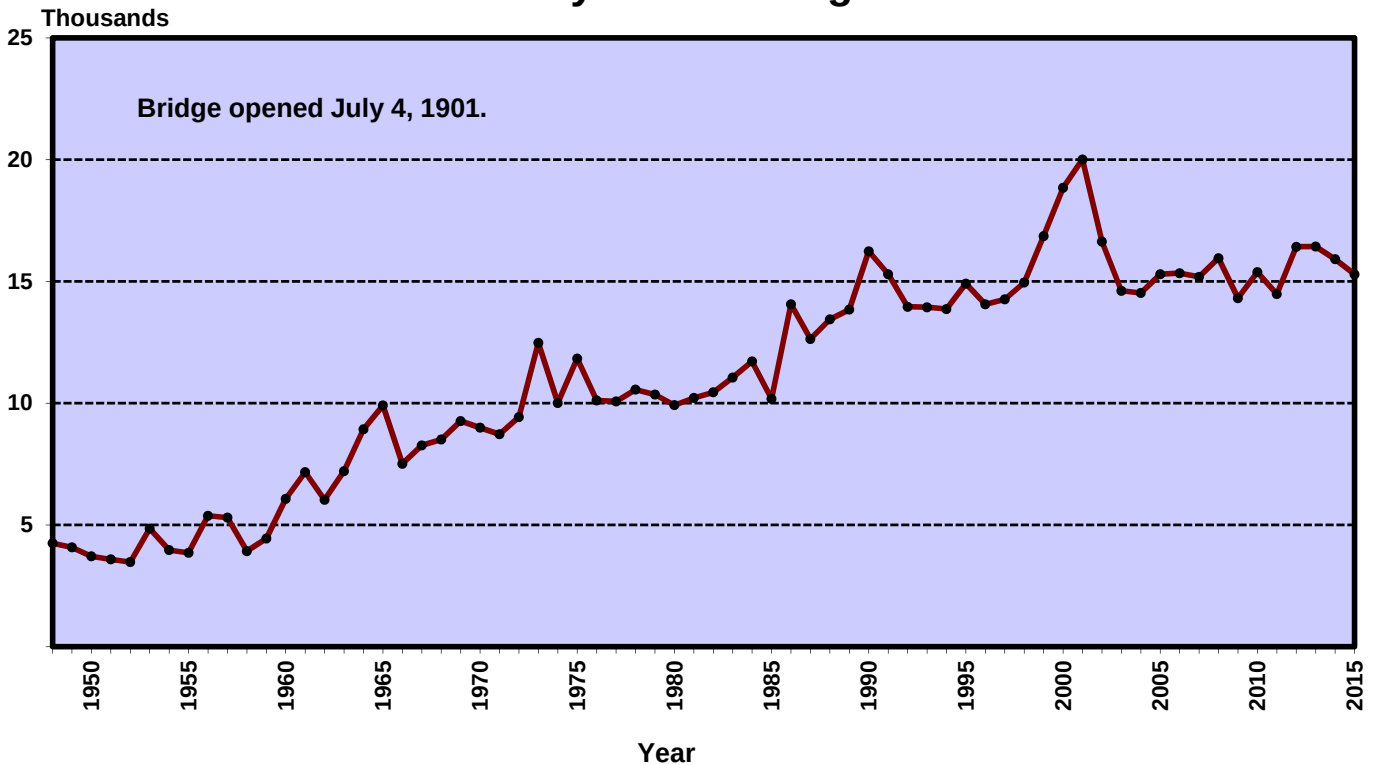
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes City Island Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions City Island Bridge



Hourly Vehicular Volumes

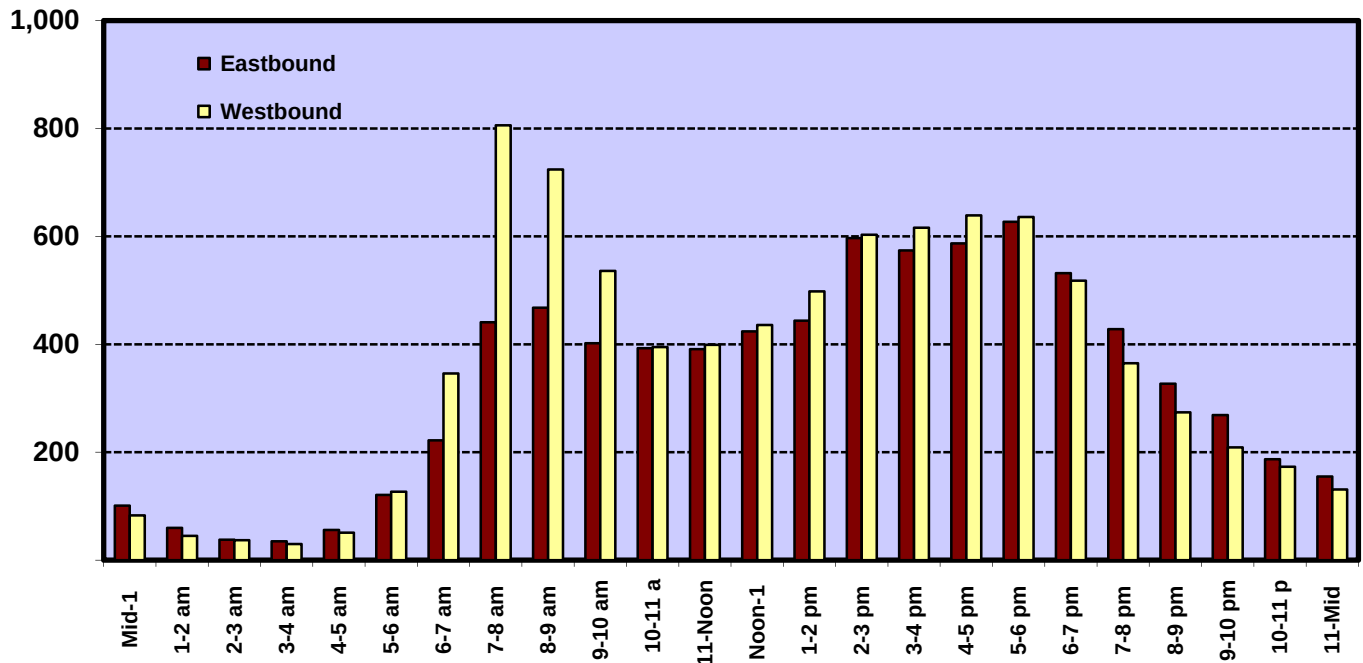
East 174th Street Bridge - 2015

Eastbound							Westbound							2-Way Totals
Autos	Buses	Commuter		Commercial		Totals	Autos	Buses	Commuter		Commercial		Totals	
		Vans	Trucks	Vans					Vans	Trucks	Vans			
12-1am	---	---	---	---	---	101	---	---	---	---	---	---	83	
1-2am	---	---	---	---	---	60	---	---	---	---	---	---	45	
2-3am	---	---	---	---	---	38	---	---	---	---	---	---	37	
3-4am	---	---	---	---	---	35	---	---	---	---	---	---	30	
4-5am	---	---	---	---	---	56	---	---	---	---	---	---	51	
5-6am	---	---	---	---	---	121	---	---	---	---	---	---	127	
6-7am	---	---	---	---	---	222	---	---	---	---	---	---	346	
7-8am	364	33	11	15	18	441	691	36	25	9	45	806	**	
8-9am	356	53	11	34	14	468	608	32	28	13	43	724		
9-10am	318	31	12	19	22	402	449	20	15	11	41	536		
10-11am	337	20	7	17	12	393	353	30	5	5	2	395		
11-12am	277	24	24	36	30	391	321	14	5	26	33	399		
12-1pm	365	12	12	18	17	424	392	21	5	8	10	436		
1-2pm	391	11	13	13	16	444	450	20	8	7	13	498		
2-3pm	457	39	30	44	27	597	475	46	18	24	40	603		
3-4pm	502	34	12	13	13	574	531	44	10	2	29	616		
4-5pm	495	13	24	30	25	587	550	21	17	17	34	639		
5-6pm	554	14	16	22	21	627	568	22	16	2	28	636	**	
6-7pm	474	21	7	12	18	532	469	15	15	3	16	518		
7-8pm	---	---	---	---	---	428	---	---	---	---	---	365		
8-9pm	---	---	---	---	---	327	---	---	---	---	---	274		
9-10pm	---	---	---	---	---	269	---	---	---	---	---	209		
10-11pm	---	---	---	---	---	187	---	---	---	---	---	173		
11-12pm	---	---	---	---	---	155	---	---	---	---	---	131		
Totals	---	---	---	---	---	7,879	---	---	---	---	---	8,677		
7-10am	1,038	117	34	68	54	1,311	1,748	88	68	33	129	2,066	3,377	
10am-1pm	979	56	43	71	59	1,208	1,066	65	15	39	45	1,230	2,438	
1-4pm	1,350	84	55	70	56	1,615	1,456	110	36	33	82	1,717	3,332	
4-7pm	1,523	48	47	64	64	1,746	1,587	58	48	22	78	1,793	3,539	
7am-7pm	4,890	305	179	273	233	5,880	5,857	321	167	127	334	6,806	12,686	
6-10am						1,533						2,412	3,945	
3-7pm	2,025	82	59	77	77	2,320	2,118	102	58	24	107	2,409	4,729	
6am-7pm						6,102						7,152	13,254	

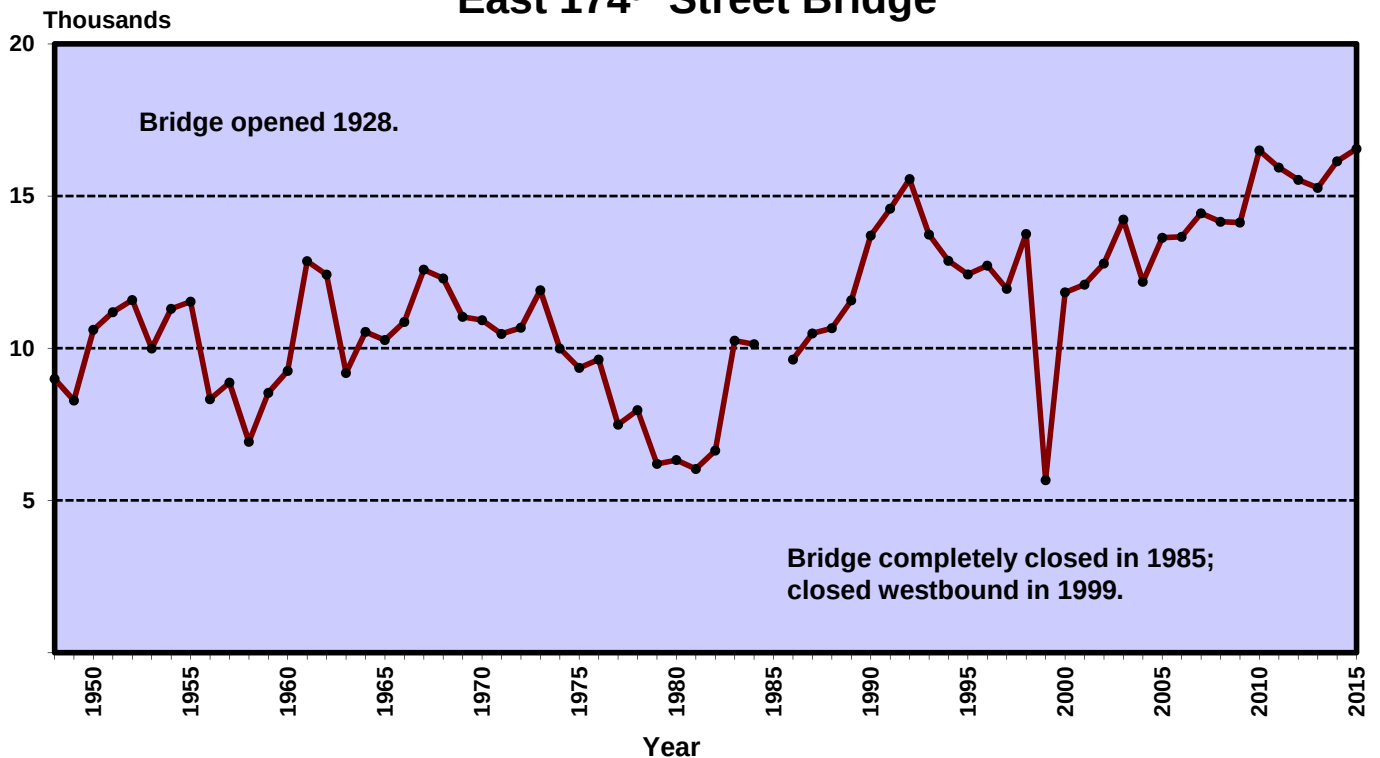
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes East 174th Street Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions East 174th Street Bridge



Hourly Vehicular Volumes

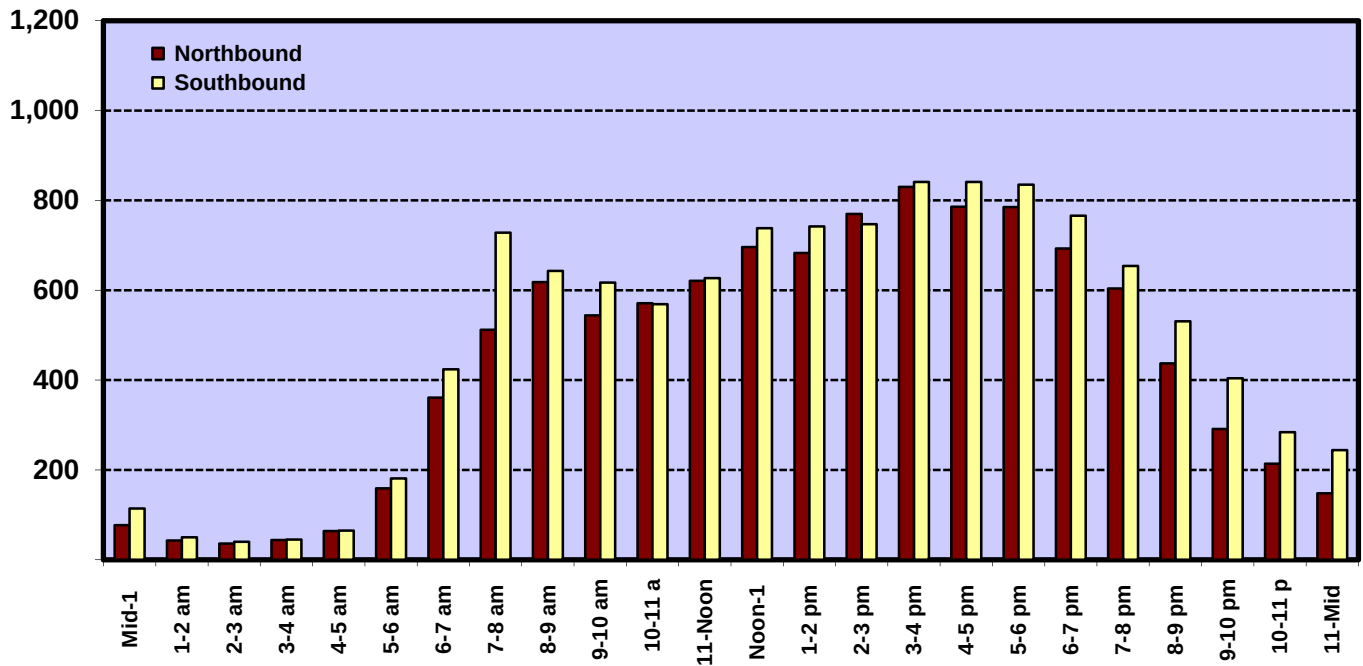
Eastchester Bridge - 2015

	Northbound					Totals	Southbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	77	---	---	---	---	---	114
1-2am	---	---	---	---	---	43	---	---	---	---	---	50
2-3am	---	---	---	---	---	36	---	---	---	---	---	40
3-4am	---	---	---	---	---	44	---	---	---	---	---	45
4-5am	---	---	---	---	---	64	---	---	---	---	---	65
5-6am	---	---	---	---	---	159	---	---	---	---	---	181
6-7am	---	---	---	---	---	361	---	---	---	---	---	424
7-8am	451	15	0	26	20	512	599	11	11	83	24	728
8-9am	523	13	0	46	36	618	505	13	15	83	27	643
9-10am	460	15	0	38	31	544	406	19	21	126	45	617
10-11am	522	7	0	23	19	571	493	8	14	36	18	569
11-12am	543	5	0	34	39	621	482	8	16	83	38	627
12-1pm	653	8	0	12	23	696	673	8	6	32	19	738
1-2pm	644	8	0	13	18	683	678	8	4	40	12	742
2-3pm	694	16	0	36	24	770	586	11	14	108	28	747
3-4pm	775	14	0	21	20	830	755	17	10	47	12	841
4-5pm	717	9	0	24	36	786	753	9	16	42	21	841
5-6pm	714	9	0	25	37	785	748	9	12	38	28	835
6-7pm	654	12	0	13	14	693	697	17	9	34	9	766
7-8pm	---	---	---	---	---	604	---	---	---	---	---	654
8-9pm	---	---	---	---	---	437	---	---	---	---	---	531
9-10pm	---	---	---	---	---	291	---	---	---	---	---	404
10-11pm	---	---	---	---	---	214	---	---	---	---	---	284
11-12pm	---	---	---	---	---	148	---	---	---	---	---	244
Totals	---	---	---	---	---	10,587	---	---	---	---	---	11,730
7-10am	1,434	43	0	110	87	1,674	1,510	43	47	292	96	1,988
10am-1pm	1,718	20	0	69	81	1,888	1,648	24	36	151	75	1,934
1-4pm	2,113	38	0	70	62	2,283	2,019	36	28	195	52	2,330
4-7pm	2,085	30	0	62	87	2,264	2,198	35	37	114	58	2,442
7am-7pm	7,350	131	0	311	317	8,109	7,375	138	148	752	281	8,694
6-10am						2,035						2,412
3-7pm	2,860	44	0	83	107	3,094	2,953	52	47	161	70	3,283
6am-7pm						8,470						9,118
												17,588

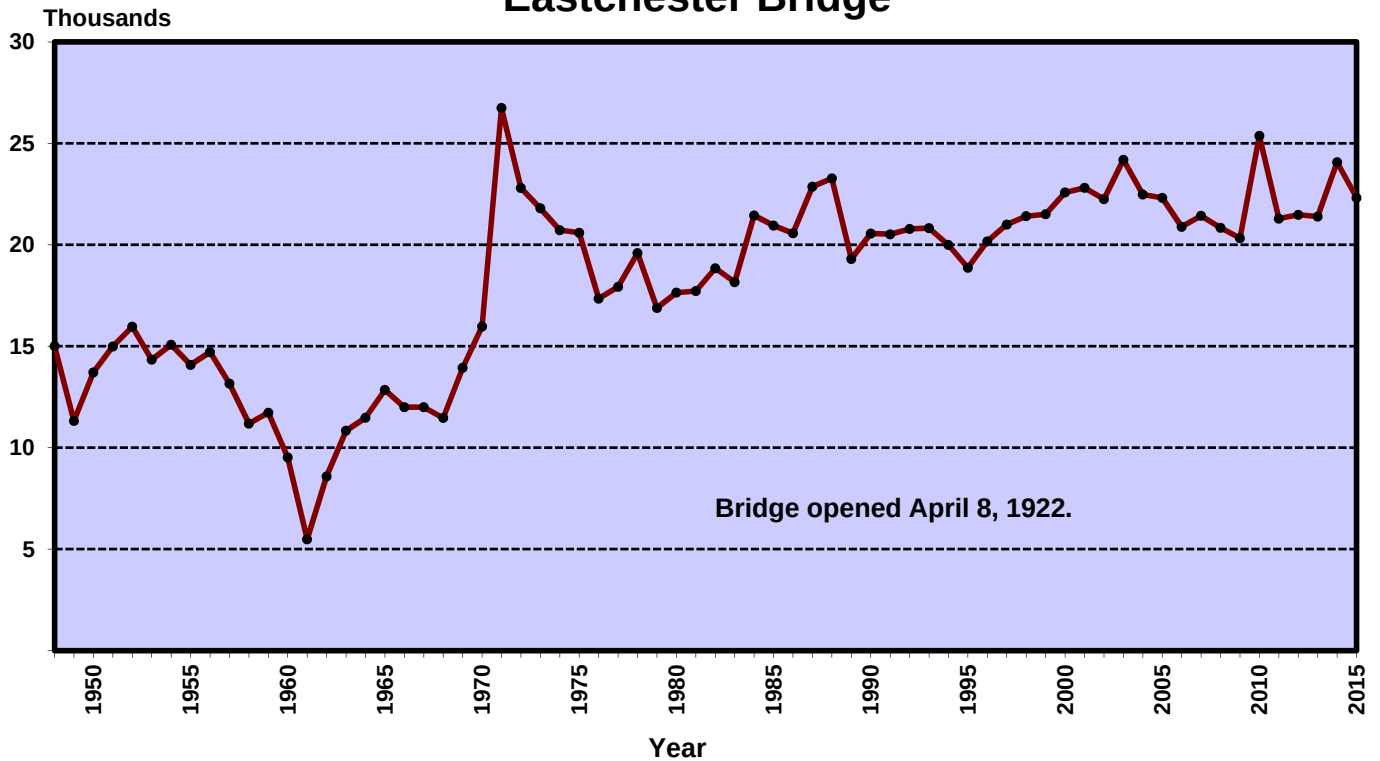
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Eastchester Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Eastchester Bridge



Hourly Vehicular Volumes

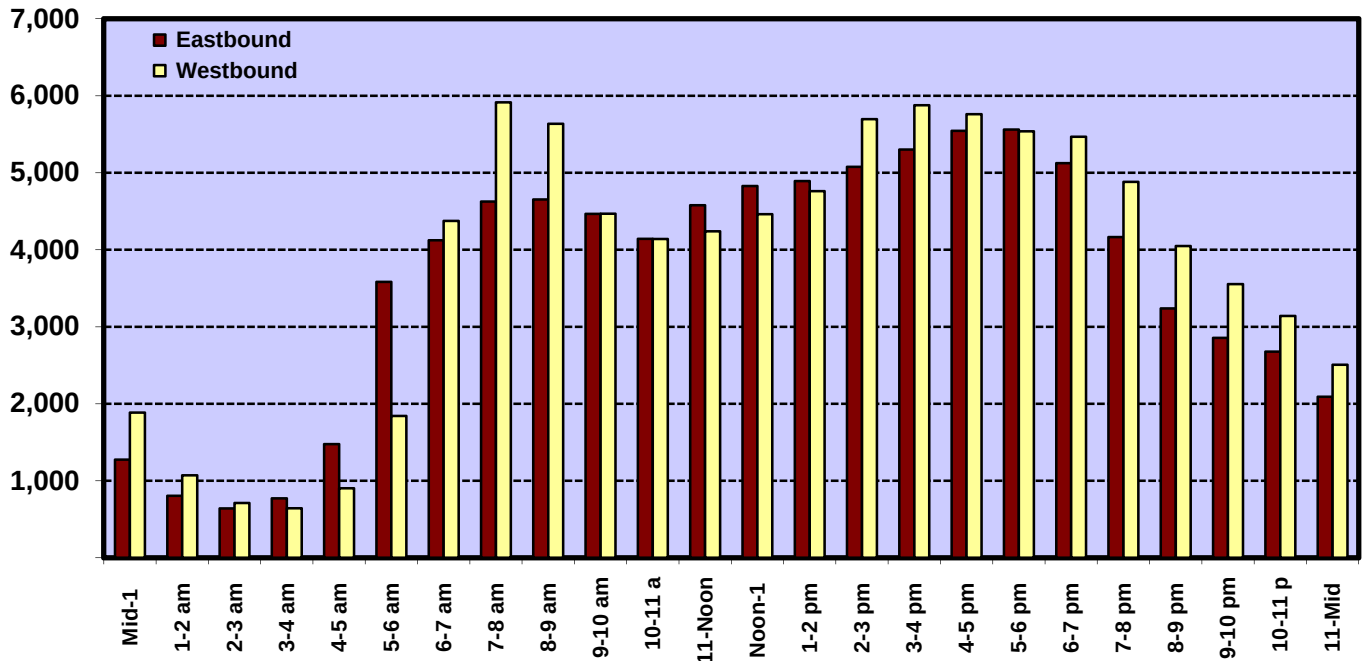
Eastern Boulevard Bridge - 2015

	Eastbound						Westbound						2-Way Totals
	Commuter			Commercial			Commuter			Commercial			
	Autos	Buses	Vans	Trucks	Vans	Totals	Autos	Buses	Vans	Trucks	Vans	Totals	
12-1am	---	---	---	---	---	1,274	---	---	---	---	---	1,885	
1-2am	---	---	---	---	---	805	---	---	---	---	---	1,071	
2-3am	---	---	---	---	---	640	---	---	---	---	---	712	
3-4am	---	---	---	---	---	771	---	---	---	---	---	643	
4-5am	---	---	---	---	---	1,475	---	---	---	---	---	902	
5-6am	---	---	---	---	---	3,582	---	---	---	---	---	1,841	
6-7am	---	---	---	---	---	4,124	---	---	---	---	---	4,375	
7-8am	3,912	59	73	439	143	4,626	5,135	93	112	330	243	5,913	
8-9am	3,698	108	99	525	222	4,652	4,773	67	128	406	261	5,635	
9-10am	3,436	108	124	575	223	4,466	3,869	39	72	282	205	4,467	
10-11am	3,649	26	54	299	114	4,142	3,816	33	50	151	90	4,140	
11-12am	3,619	18	165	484	292	4,578	3,636	25	101	281	197	4,240	
12-1pm	4,349	24	78	238	138	4,827	4,129	27	33	173	99	4,461	
1-2pm	4,606	30	1	162	93	4,892	4,402	57	60	179	63	4,761	
2-3pm	4,588	41	0	258	190	5,077	4,894	134	106	405	156	5,695	
3-4pm	5,046	36	0	134	85	5,301	5,474	79	49	213	61	5,876	
4-5pm	5,076	33	0	268	168	5,545	4,972	121	143	330	194	5,760	
5-6pm	5,271	54	0	83	153	5,561	5,053	39	153	195	97	5,537	
6-7pm	4,823	39	0	133	129	5,124	5,154	45	93	103	72	5,467	
7-8pm	---	---	---	---	---	4,164	---	---	---	---	---	4,882	
8-9pm	---	---	---	---	---	3,237	---	---	---	---	---	4,049	
9-10pm	---	---	---	---	---	2,855	---	---	---	---	---	3,554	
10-11pm	---	---	---	---	---	2,676	---	---	---	---	---	3,140	
11-12pm	---	---	---	---	---	2,092	---	---	---	---	---	2,507	
Totals	---	---	---	---	---	86,486	---	---	---	---	---	91,513	
7-10am	11,046	275	296	1,539	588	13,744	13,777	199	312	1,018	709	16,015	
10am-1pm	11,617	68	297	1,021	544	13,547	11,581	85	184	605	386	12,841	
1-4pm	14,240	107	1	554	368	15,270	14,770	270	215	797	280	16,332	
4-7pm	15,170	126	0	484	450	16,230	15,179	205	389	628	363	16,764	
7am-7pm	52,073	576	594	3,598	1,950	58,791	55,307	759	1,100	3,048	1,738	61,952	
6-10am						17,868						20,390	
3-7pm	20,216	162	0	618	535	21,531	20,653	284	438	841	424	22,640	
6am-7pm						62,915						66,327	

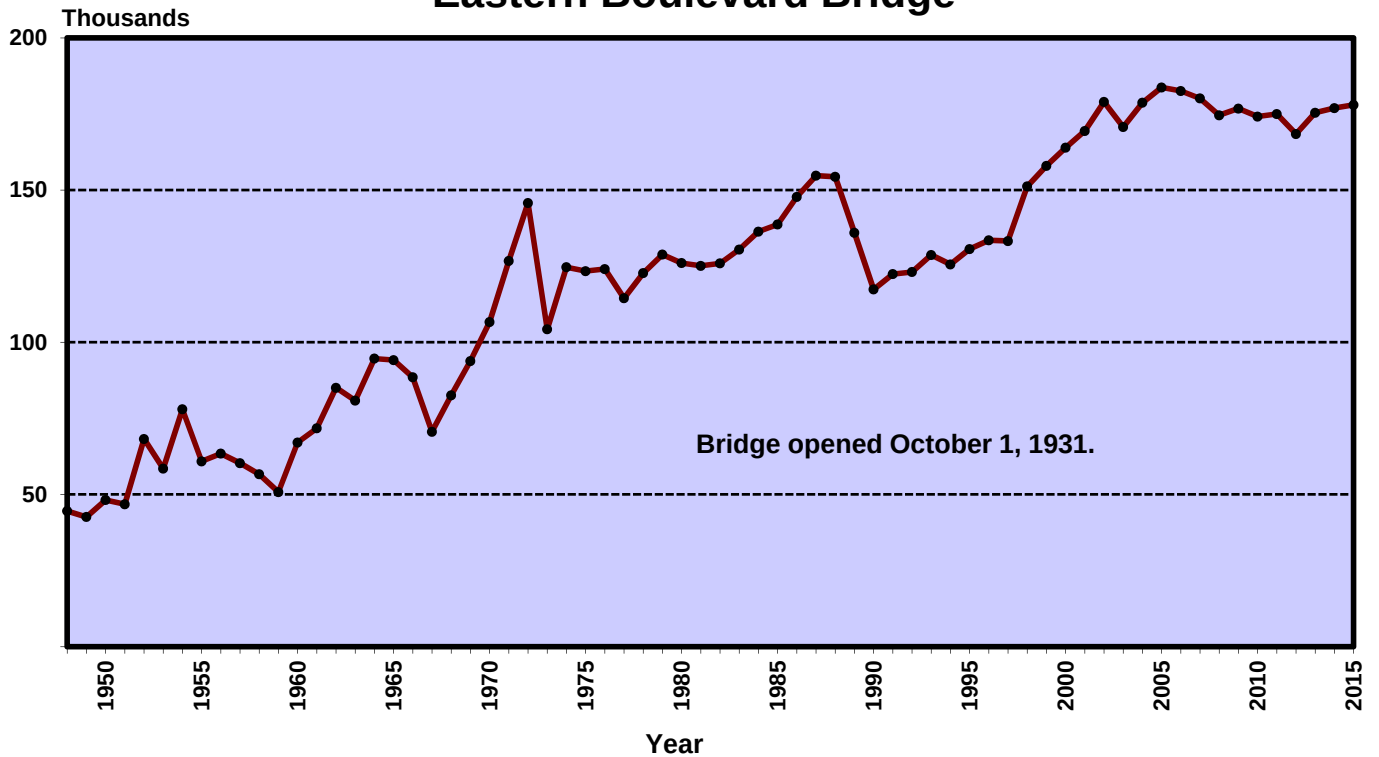
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Eastern Boulevard Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Eastern Boulevard Bridge



Hourly Vehicular Volumes

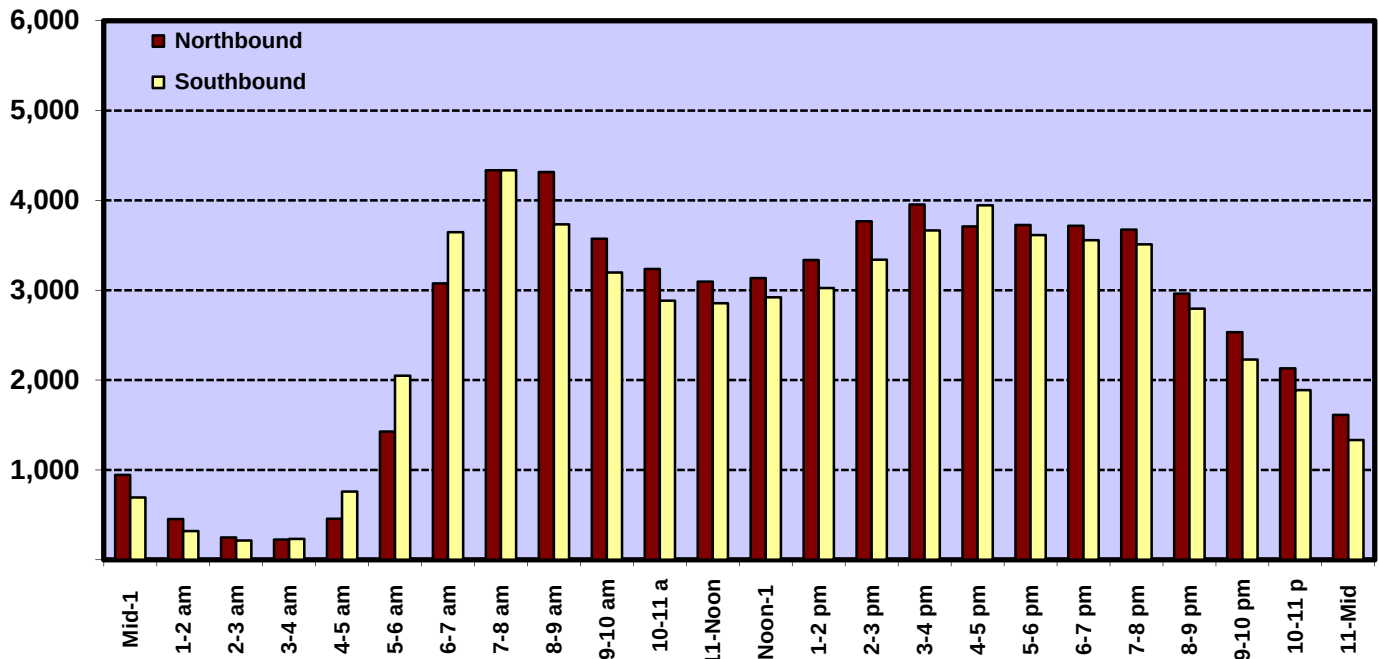
Hutchinson River Parkway Bridge - 2015

FHWA Classes ▶	Northbound										Southbound										2-way Grand Totals	
	Commercial Vans,					Autos, Motorcycles					Commercial Vans,					Autos, Motorcycles						
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles		
12-1am	896	41	8	0	0	0	945	662	19	11	0	2	0	694	1,809	72	77	83	7	0	2,048	
1-2am	414	35	2	0	2	0	453	302	12	3	0	2	0	319	3,227	141	156	121	1	0	3,646	
2-3am	231	14	2	0	1	0	248	196	11	6	0	2	0	215	4,088	121	114	12	0	0	4,335	
3-4am	217	5	3	0	1	0	226	212	6	13	0	1	0	232	3,499	91	113	29	1	0	3,733	
4-5am	431	16	9	0	1	0	457	704	25	28	2	0	0	759	2,997	92	80	25	3	0	3,197	
5-6am	1,284	105	29	7	1	1	1,427	1,809	72	77	83	7	0	2,048	2,692	80	100	10	2	0	2,884	
6-7am	2,883	108	72	7	6	0	3,076	3,227	141	156	121	1	0	3,646	2,853	88	102	5	7	0	2,951	
7-8am	4,006	165	101	60	3	0	4,335	4,088	121	114	12	0	0	4,335	2,725	90	95	6	4	1	2,921	
8-9am	3,983	176	106	50	1	0	4,316	3,499	91	113	29	1	0	3,733	2,825	79	96	21	2	1	3,024	
9-10am	3,306	152	91	19	6	0	3,574	2,997	92	80	25	3	0	3,197	3,079	79	123	51	7	1	3,340	
10-11am	2,971	142	110	12	1	0	3,236	2,692	80	100	10	2	0	2,884	3,325	120	126	78	14	3	3,666	
11-12am	2,767	140	166	10	12	1	3,096	2,853	88	102	5	7	0	2,951	3,704	118	98	24	1	0	3,945	
12-1pm	2,862	128	132	9	4	0	3,135	2,725	90	95	6	4	1	2,921	3,439	88	84	3	1	0	3,615	
1-2pm	3,073	122	109	30	3	0	3,337	2,825	79	96	21	2	1	3,024	3,412	84	56	3	2	0	3,557	
2-3pm	3,459	150	141	16	1	0	3,767	3,079	79	123	51	7	1	3,340	3,341	84	78	2	2	4	3,511	
3-4pm	3,653	162	124	13	3	0	3,955	3,325	120	126	78	14	3	3,666	2,670	72	45	2	1	5	2,795	
4-5pm	3,373	146	126	59	6	0	3,710	3,704	118	98	24	1	0	3,945	2,114	73	37	0	3	2	2,229	
5-6pm	3,451	143	77	52	3	0	3,726	3,439	88	84	3	1	0	3,615	1,810	46	26	0	2	4	1,888	
6-7pm	3,463	141	82	28	3	0	3,717	3,412	84	56	3	2	0	3,557	1,266	46	17	1	3	0	1,333	
7-8pm	3,417	180	67	10	1	0	3,675	3,341	84	78	2	2	4	3,511	56,751	1,737	1,684	478	70	21	60,741	
8-9pm	2,713	167	69	5	1	7	2,962	2,670	72	45	2	1	5	2,795	1,737	1,684	478	70	21	60,741	23,490	
9-10pm	2,277	197	56	1	2	0	2,533	2,114	73	37	0	3	2	2,229	1,737	1,684	478	70	21	60,741	18,127	
10-11pm	1,988	95	43	0	1	4	2,131	1,810	46	26	0	2	4	1,888	1,737	1,684	478	70	21	60,741	21,089	
11-12pm	1,517	51	35	1	3	5	1,612	1,266	46	17	1	3	0	1,333	1,737	1,684	478	70	21	60,741	22,270	
Totals	58,635	2,781	1,760	389	66	18	63,649	56,751	1,737	1,684	478	70	21	60,741	1,737	1,684	478	70	21	60,741	84,976	
7-10am	11,295	493	298	129	10	0	12,225	10,584	304	307	66	4	0	11,265	10,584	304	307	66	4	0	11,265	30,212
10am-1pm	8,600	410	408	31	17	1	9,467	8,070	258	297	21	13	1	8,660	8,070	258	297	21	13	1	8,660	29,891
1-4pm	10,185	434	374	59	7	0	11,059	9,229	278	345	150	23	5	10,030	9,229	278	345	150	23	5	10,030	91,698
4-7pm	10,287	430	285	139	12	0	11,153	10,555	290	238	30	4	0	11,117	10,555	290	238	30	4	0	11,117	
7am-7pm	40,367	1,767	1,365	358	46	1	43,904	38,438	1,130	1,187	267	44	6	41,072	38,438	1,130	1,187	267	44	6	41,072	
6-10am	14,178	601	370	136	16	0	15,301	13,811	445	463	187	5	0	14,911	13,811	445	463	187	5	0	14,911	
3-7pm	13,940	592	409	152	15	0	15,108	13,880	410	364	108	18	3	14,783	13,880	410	364	108	18	3	14,783	
6am-7pm	43,250	1,875	1,437	365	52	1	46,980	41,665	1,271	1,343	388	45	6	44,718	41,665	1,271	1,343	388	45	6	44,718	

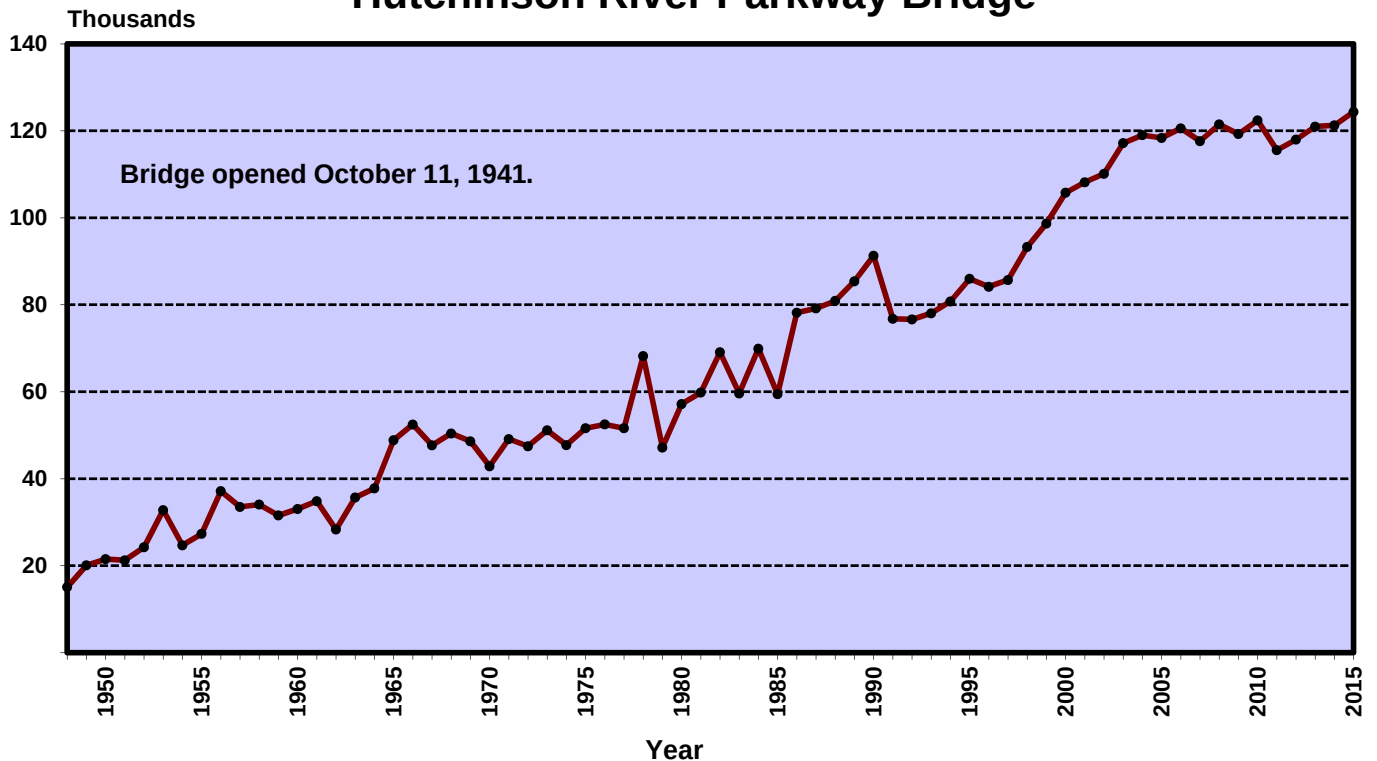
Based on November 2015 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Hutchinson River Parkway Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Hutchinson River Parkway Bridge



Hourly Vehicular Volumes

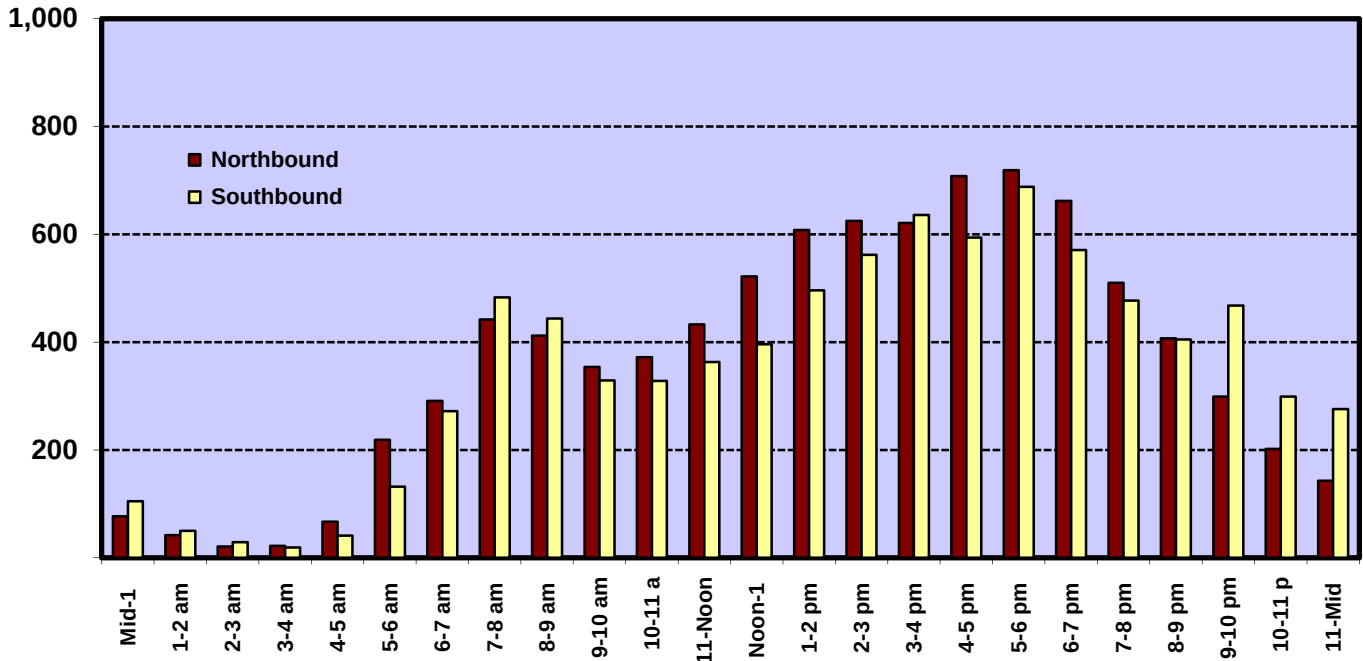
Pelham Bridge - 2015

FHWA Classes ▶	Northbound							Southbound							2-way Grand Totals
	Commercial Vans, Panel Trucks, Pickups,				Autos, Motorcycles			Commercial Vans, Panel Trucks, Pickups,				Autos, Motorcycles			
	Taxis, Liveries, Limos	Panel Trucks, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	Taxis, Liveries, Limos	Panel Trucks, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles			
12-1am	60	8	6	0	3	0	77	87	8	6	2	2	0	105	182
1-2am	33	6	3	0	0	0	42	42	2	6	0	0	0	50	92
2-3am	15	0	2	0	4	0	21	21	2	0	0	6	0	29	50
3-4am	16	2	1	0	3	0	22	16	0	1	0	2	0	19	41
4-5am	50	3	3	3	8	0	67	36	1	2	1	1	0	41	108
5-6am	193	7	7	5	7	0	219	118	2	6	2	4	0	132	351
6-7am	248	3	9	26	4	1	291	234	3	12	17	6	0	272	563
7-8am	388	4	25	10	15	0	442	421	5	26	16	15	0	483	925
8-9am	342	4	35	9	21	1	412	388	9	20	10	17	0	444	856
9-10am	277	5	43	6	23	0	354	266	7	33	6	16	1	329	683
10-11am	308	10	24	7	23	0	372	269	10	32	6	11	0	328	700
11-12am	375	4	31	4	19	0	433	315	4	22	6	16	0	363	796
12-1pm	452	10	40	6	14	0	522	333	5	29	8	21	0	396	918
1-2pm	519	10	46	11	22	0	608	429	13	31	8	15	0	496	1,104
2-3pm	548	9	29	9	28	2	625	507	10	17	8	19	1	562	1,187
3-4pm	549	8	31	21	11	1	621	553	11	27	27	16	2	636	1,257
4-5pm	664	10	23	8	3	0	708	550	11	20	12	1	0	594	1,302
5-6pm	670	15	14	10	10	0	719	637	12	17	13	9	0	688	1,407
6-7pm	612	13	24	11	1	1	662	530	7	13	14	6	1	571	1,233
7-8pm	485	8	8	6	3	0	510	444	8	12	8	5	0	477	987
8-9pm	381	14	7	4	1	0	407	378	11	8	6	2	0	405	812
9-10pm	282	8	6	3	0	0	299	436	6	20	4	2	0	468	767
10-11pm	177	8	9	4	4	0	202	288	3	5	3	0	0	299	501
11-12pm	131	5	4	3	0	0	143	268	4	1	3	0	0	276	419
Totals	7,775	174	430	166	227	6	8,778	7,566	154	366	180	192	5	8,463	17,241
7-10am	1,007	13	103	25	59	1	1,208	1,075	21	79	32	48	1	1,256	2,464
10am-1pm	1,135	24	95	17	56	0	1,327	917	19	83	20	48	0	1,087	2,414
1-4pm	1,616	27	106	41	61	3	1,854	1,489	34	75	43	50	3	1,694	3,548
4-7pm	1,946	38	61	29	14	1	2,089	1,717	30	50	39	16	1	1,853	3,942
7am-7pm	5,704	102	365	112	190	5	6,478	5,198	104	287	134	162	5	5,890	12,368
6-10am	1,255	16	112	51	63	2	1,499	1,309	24	91	49	54	1	1,528	3,027
3-7pm	2,495	46	92	50	25	2	2,710	2,270	41	77	66	32	3	2,489	5,199
6am-7pm	5,952	105	374	138	194	6	6,769	5,432	107	299	151	168	5	6,162	12,931

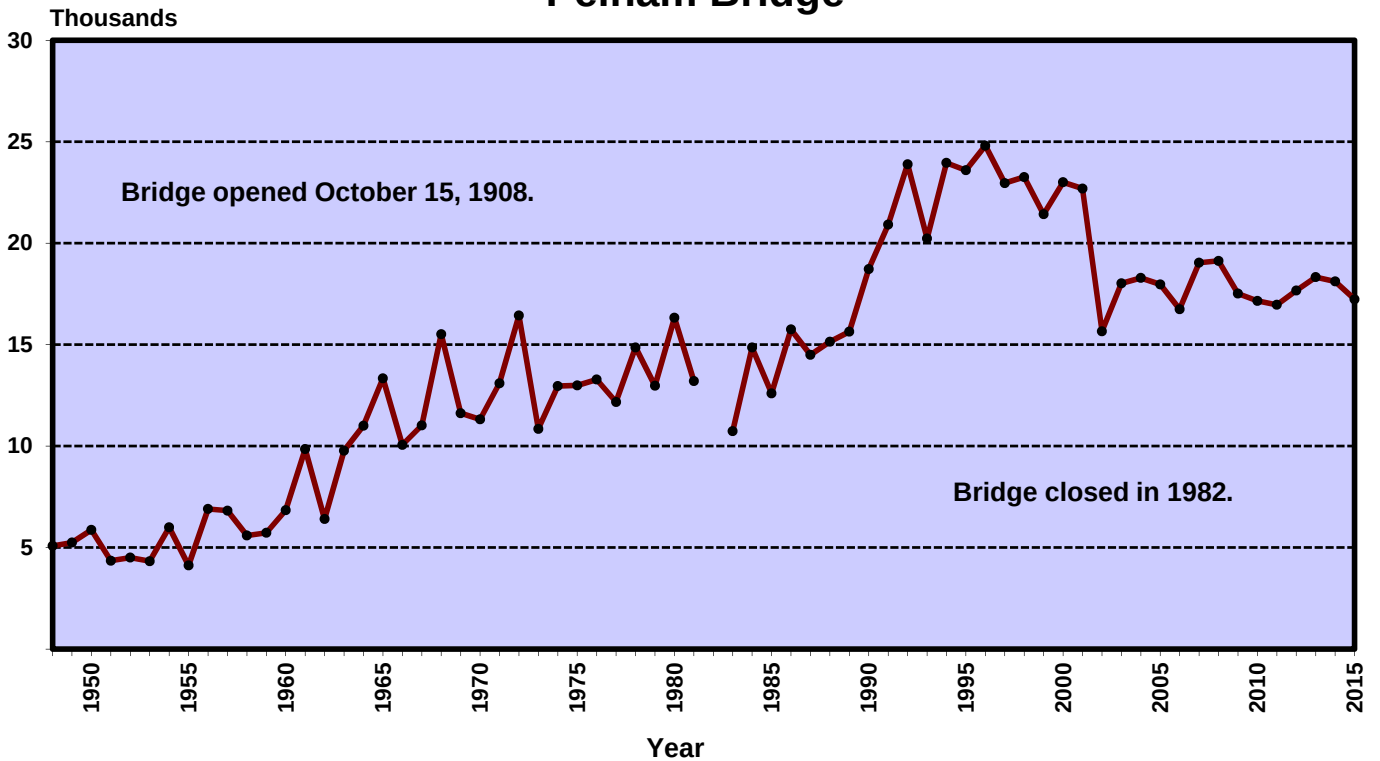
Based on November 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Pelham Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Pelham Bridge



Hourly Vehicular Volumes

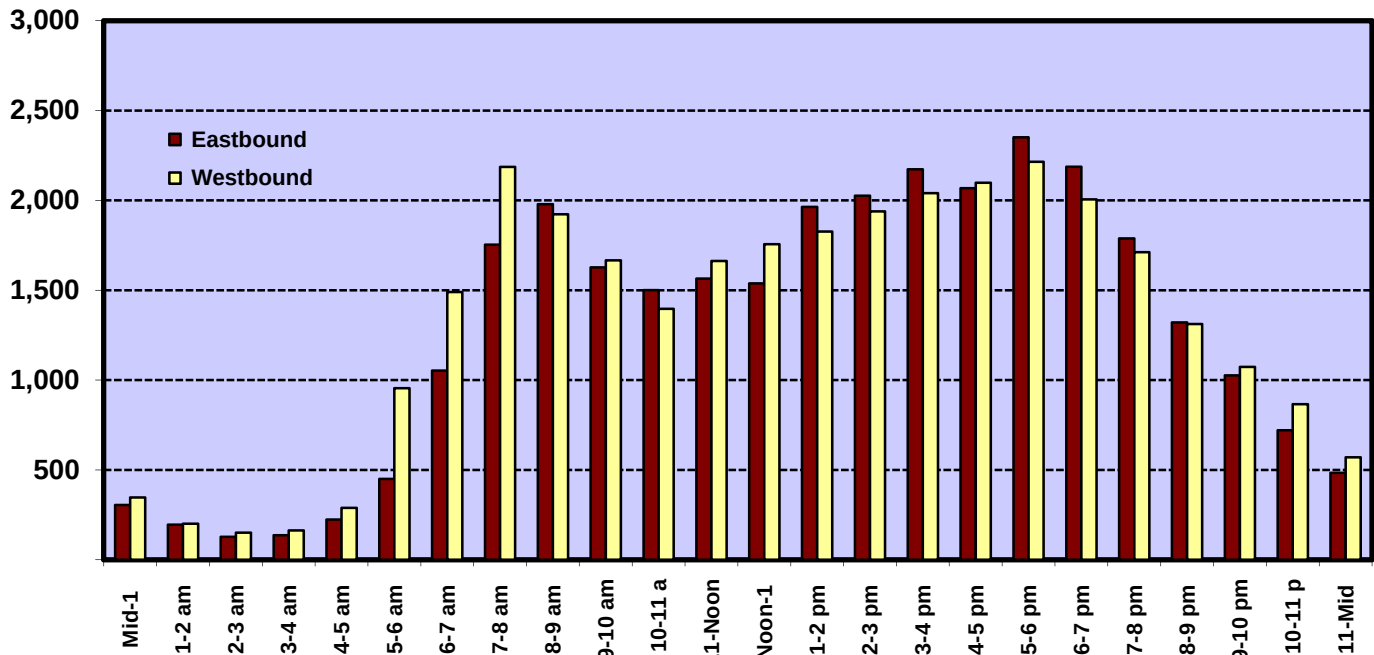
Unionport Bridge - 2015

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	305	---	---	---	---	---	347
1-2am	---	---	---	---	---	195	---	---	---	---	---	201
2-3am	---	---	---	---	---	128	---	---	---	---	---	151
3-4am	---	---	---	---	---	137	---	---	---	---	---	163
4-5am	---	---	---	---	---	224	---	---	---	---	---	289
5-6am	---	---	---	---	---	450	---	---	---	---	---	955
6-7am	---	---	---	---	---	1,053	---	---	---	---	---	1,490
7-8am	1,522	40	23	127	42	1,754	2,040	40	2	43	61	2,186
8-9am	1,670	40	52	142	75	1,979	1,794	22	0	62	45	1,923
9-10am	1,303	36	64	138	86	1,627	1,541	21	0	45	59	1,666
10-11am	1,326	19	21	86	49	1,501	1,315	18	0	16	48	1,397
11-12am	1,229	16	63	173	84	1,565	1,441	17	0	93	112	1,663
12-1pm	1,368	14	30	86	40	1,538	1,673	12	0	38	33	1,756
1-2pm	1,602	14	53	191	104	1,964	1,573	24	2	114	114	1,827
2-3pm	1,734	19	52	157	64	2,026	1,705	27	0	102	105	1,939
3-4pm	2,030	16	19	68	40	2,173	1,881	47	0	45	67	2,040
4-5pm	1,799	18	37	144	70	2,068	1,860	29	0	70	139	2,098
5-6pm	2,077	26	53	151	44	2,351	2,027	32	0	71	85	2,215
6-7pm	1,939	39	53	116	40	2,187	1,891	20	0	35	60	2,006
7-8pm	---	---	---	---	---	1,788	---	---	---	---	---	1,712
8-9pm	---	---	---	---	---	1,321	---	---	---	---	---	1,312
9-10pm	---	---	---	---	---	1,026	---	---	---	---	---	1,073
10-11pm	---	---	---	---	---	721	---	---	---	---	---	866
11-12pm	---	---	---	---	---	484	---	---	---	---	---	570
Totals	---	---	---	---	---	30,565	---	---	---	---	---	31,845
7-10am	4,495	116	139	407	203	5,360	5,375	83	2	150	165	5,775
10am-1pm	3,923	49	114	345	173	4,604	4,429	47	0	147	193	4,816
1-4pm	5,366	49	124	416	208	6,163	5,159	98	2	261	286	5,806
4-7pm	5,815	83	143	411	154	6,606	5,778	81	0	176	284	6,319
7am-7pm	19,599	297	520	1,579	738	22,733	20,741	309	4	734	928	22,716
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	7,845	99	162	479	194	8,779	7,659	128	0	221	351	8,359
6am-7pm	---	---	---	---	---	23,786	---	---	---	---	---	24,206

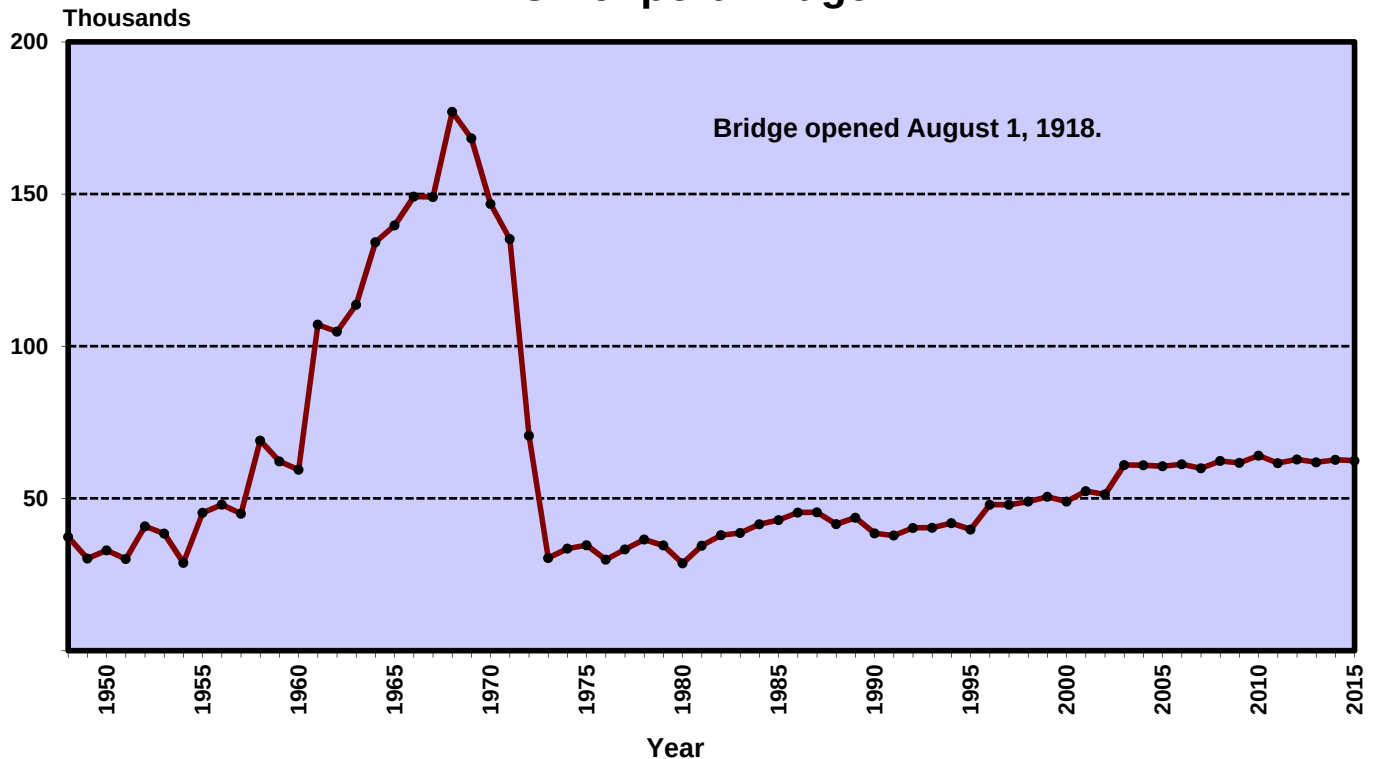
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Unionport Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Unionport Bridge



Hourly Vehicular Volumes

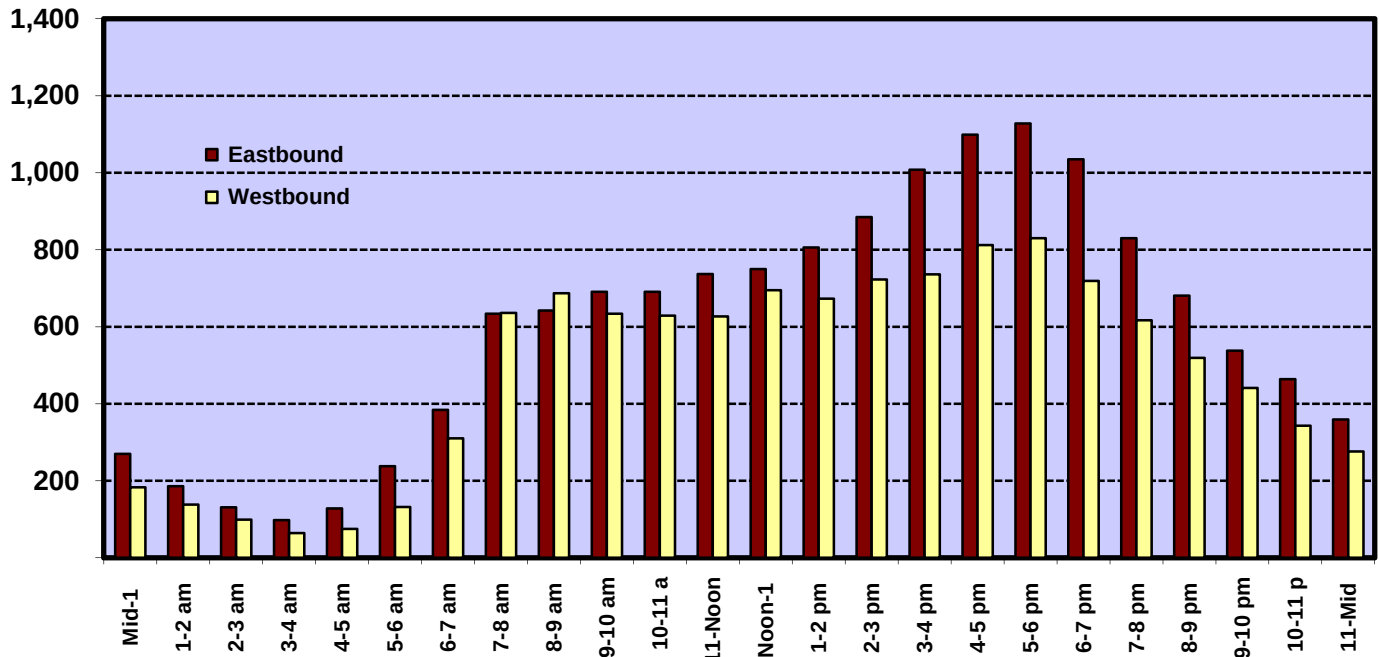
Westchester Avenue Bridge - 2015

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	270	---	---	---	---	---	183
1-2am	---	---	---	---	---	186	---	---	---	---	---	138
2-3am	---	---	---	---	---	131	---	---	---	---	---	99
3-4am	---	---	---	---	---	98	---	---	---	---	---	64
4-5am	---	---	---	---	---	128	---	---	---	---	---	75
5-6am	---	---	---	---	---	238	---	---	---	---	---	132
6-7am	---	---	---	---	---	384	---	---	---	---	---	310
7-8am	540	33	16	24	21	634	556	25	0	15	40	636
8-9am	546	46	7	22	21	642	597	32	0	24	34	687
9-10am	616	31	13	13	18	691	543	14	0	25	52	634
10-11am	628	33	5	10	15	691	587	19	0	13	10	629
11-12am	622	29	8	35	43	737	508	18	0	40	61	627
12-1pm	704	21	2	8	15	750	614	23	0	29	29	695
1-2pm	722	43	9	16	16	806	611	22	0	12	28	673
2-3pm	745	54	6	32	48	885	622	32	0	22	47	723
3-4pm	910	70	2	15	11	1,008	681	25	0	13	17	736
4-5pm	992	41	23	23	20	1,099	712	33	0	23	44	812
5-6pm	1,034	23	13	22	36	1,128	714	20	0	22	74	830
6-7pm	950	31	2	10	42	1,035	641	10	0	2	66	719
7-8pm	---	---	---	---	---	830	---	---	---	---	---	617
8-9pm	---	---	---	---	---	681	---	---	---	---	---	519
9-10pm	---	---	---	---	---	538	---	---	---	---	---	441
10-11pm	---	---	---	---	---	464	---	---	---	---	---	343
11-12pm	---	---	---	---	---	359	---	---	---	---	---	276
Totals	---	---	---	---	---	14,413	---	---	---	---	---	11,598
7-10am	1,702	110	36	59	60	1,967	1,696	71	0	64	126	1,957
10am-1pm	1,954	83	15	53	73	2,178	1,709	60	0	82	100	1,951
1-4pm	2,377	167	17	63	75	2,699	1,914	79	0	47	92	2,132
4-7pm	2,976	95	38	55	98	3,262	2,067	63	0	47	184	2,361
7am-7pm	9,009	455	106	230	306	10,106	7,386	273	0	240	502	8,401
6-10am						2,351						2,267
3-7pm	3,886	165	40	70	109	4,270	2,748	88	0	60	201	3,097
6am-7pm						10,490						8,711
												19,201

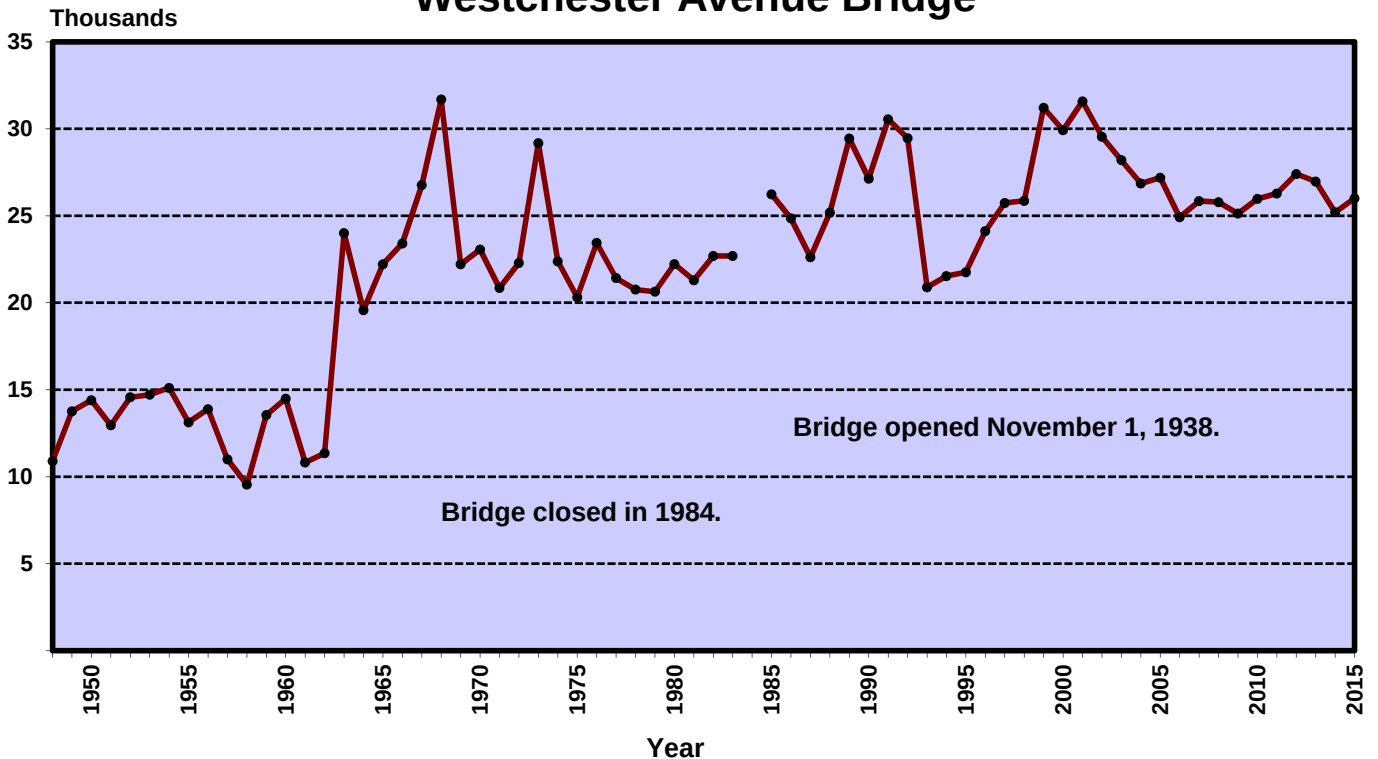
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Westchester Avenue Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Westchester Avenue Bridge



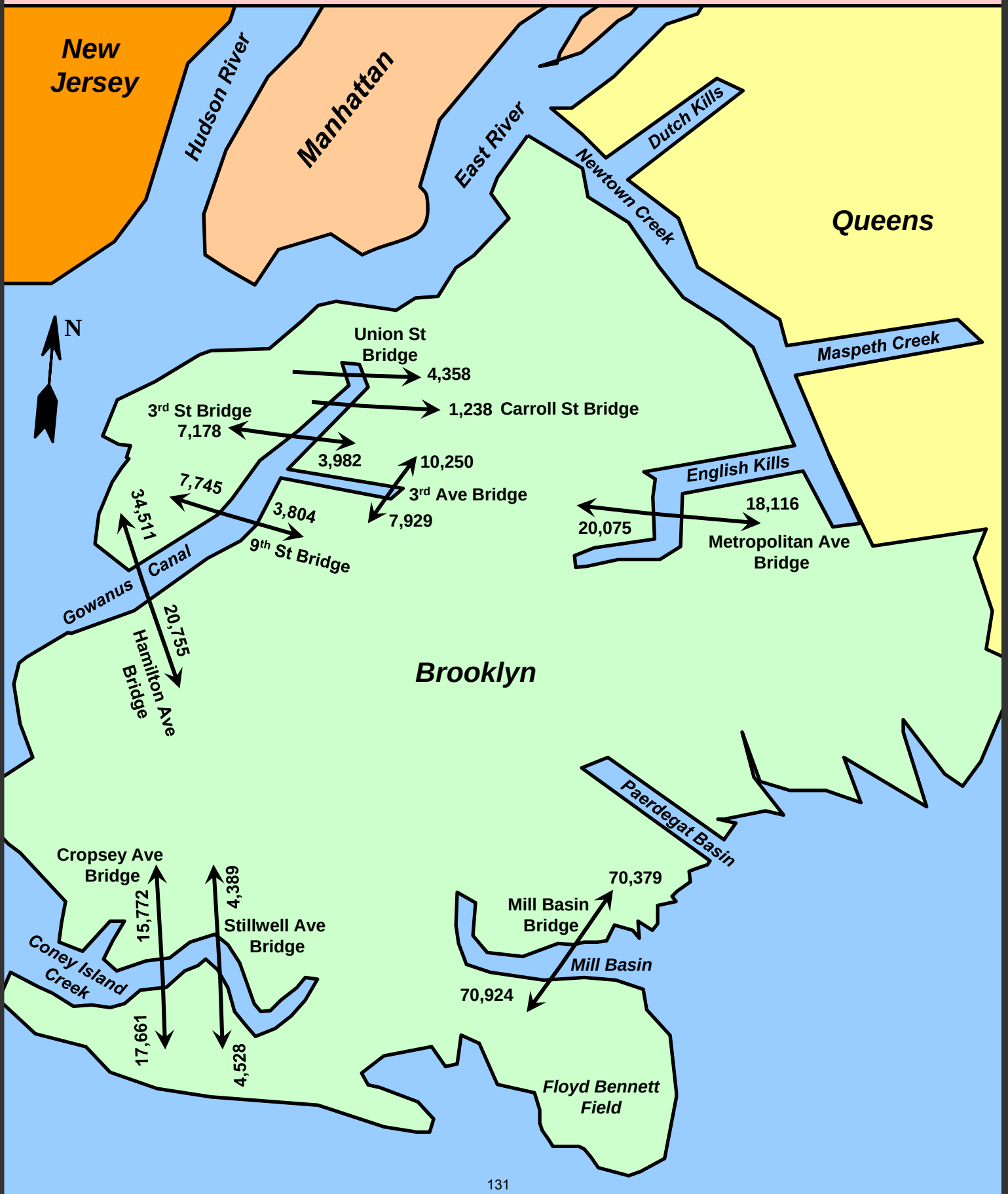
Brooklyn Bridges



9th Street Bridge

BROOKLYN BRIDGES

2015 Daily Volumes



Brooklyn Bridges
Average Daily Traffic Volumes
1948 - 2015

Year	Carroll Street	Cropsey Avenue	Hamilton Avenue	Metropolitan Avenue	Mill Basin
1948	1,401	11,745	12,135	8,739	21,773
1949	4,805	12,913	16,071	12,476	23,357
1950	1,203	15,024	20,149	14,285	32,787
1951	1,444	10,362	24,893	15,496	44,285
1952	1,192	11,495	23,642	15,150	38,025
1953	2,951	12,278	33,379	13,843	36,209
1954	1,962	13,945	36,121	18,208	40,604
1955	2,831	13,184	24,415	15,536	43,011
1956	2,574	15,832	29,676	11,637	57,515
1957	1,917	11,836	22,862	12,293	63,310
1958	1,805	17,462	31,543	25,777	60,384
1959	1,706	15,671	35,085	15,507	61,730
1960	2,553	15,417	42,584	18,892	58,929
1961	7,628	16,968	43,232	20,446	64,142
1962	6,360	18,060	41,380	21,120	71,540
1963	2,120	17,620	36,530	24,130	75,610
1964	2,959	15,240	39,970	23,850	80,270
1965	3,798	21,902	35,795	22,742	110,566
1966	6,364	17,443	42,426	21,634	90,769
1967	1,948	20,440	40,733	25,101	75,168
1968	2,762	18,774	42,869	31,457	105,979
1969	1,965	22,292	42,400	28,604	111,694
1970	2,671	20,257	38,078	29,977	102,964
1971	1,939	21,147	33,847	27,803	110,834
1972	1,207	23,597	39,219	31,130	102,346
1973	1,191	22,986	36,136	23,374	98,553
1974	1,224	22,755	37,097	27,719	107,455
1975	1,108	21,808	39,784	22,148	102,628
1976	1,245	19,503	39,321	23,287	106,744
1977	1,382	21,040	34,602	26,732	103,508
1978	1,126	22,068	36,443	21,457	104,174
1979	1,565	21,254	38,412	24,152	118,242
1980	Closed	21,462	36,084	29,717	109,782
1981	1,112	21,504	35,510	30,190	106,378
1982	1,467	21,005	43,044	34,135	114,600
1983	1,980	27,847	44,047	31,444	112,211
1984	1,432	32,770	48,204	40,936	110,458
1985	1,876	30,960	54,612	43,173	108,974
1986	Closed	31,998	48,274	35,372	114,876
1987	Closed	30,134	43,715	34,830	122,013
1988	Closed	32,341	51,721	37,682	114,287
1989	606	30,967	54,063	35,446	134,708
1990	1,153	30,592	52,170	37,289	142,142
1991	1,175	25,542	39,911	39,576	134,410
1992	1,387	28,230	56,227	37,510	130,737
1993	1,125	27,878	56,655	36,538	130,805
1994	1,132	27,181	50,309	36,026	134,605
1995	1,164	29,015	51,646	37,581	134,540
1996	1,244	26,933	70,385	39,662	132,853
1997	1,215	28,590	69,144	37,966	135,482
1998	1,270	30,323	59,211	38,271	146,940
1999	1,248	31,076	67,259	38,752	147,347
2000	1,265	30,334	59,557	41,238	145,070
2001	1,280	33,725	60,808	39,930	146,602
2002	1,248	33,325	60,075	39,944	142,105
2003	1,150	35,137	59,108	40,284	141,212
2004	1,099	35,104	60,240	38,529	145,760
2005	1,101	36,132	59,885	35,113	143,158
2006	1,068	35,398	55,526	38,130	143,917
2007	1,116	36,395	54,632	37,332	148,802
2008	1,103	35,881	52,731	38,587	144,010
2009	956	36,379	55,577	37,557	144,536
2010	994	37,411	55,252	38,279	140,800
2011	992	31,643	54,663	38,613	139,835
2012	1,136	34,998	55,797	38,262	136,875
2013	1,072	34,062	52,321	37,437	148,084
2014	1,106	33,373	54,250	39,620	141,150
2015	1,238	33,433	55,266	38,191	141,303

Brooklyn Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2015

<i>Year</i>	<i>Ninth Street</i>	<i>Stillwell Avenue</i>	<i>Third Avenue</i>	<i>Third Street</i>	<i>Union Street</i>	<i>Totals</i>
1948	6,006	4,295	17,220	3,438	5,165	91,917
1949	5,640	4,911	19,048	5,716	6,502	111,439
1950	6,895	5,832	13,068	4,976	7,839	122,058
1951	7,159	5,312	19,114	4,852	7,207	140,124
1952	7,376	5,094	14,303	3,711	7,062	127,050
1953	10,329	4,142	15,517	3,463	9,617	141,728
1954	9,904	4,788	17,630	3,215	8,500	154,877
1955	7,704	5,706	15,144	5,907	7,469	140,907
1956	8,715	5,418	14,112	4,401	7,878	157,758
1957	8,897	4,523	14,113	4,742	9,263	153,756
1958	8,347	4,903	15,098	5,814	8,404	179,537
1959	7,906	5,239	16,808	6,887	9,969	176,508
1960	7,465	5,511	14,821	6,227	9,596	181,995
1961	13,330	5,462	16,794	9,747	9,524	207,273
1962	14,170	6,340	15,260	13,550	9,452	217,232
1963	13,270	6,280	17,700	7,970	9,380	210,610
1964	11,430	6,410	16,230	6,850	10,260	213,469
1965	9,540	6,887	15,196	5,992	9,152	241,570
1966	9,418	6,874	14,008	5,682	8,898	223,516
1967	9,871	6,708	16,560	5,570	9,208	211,307
1968	12,484	6,661	13,141	5,680	8,860	248,667
1969	9,363	7,070	13,798	5,527	8,402	251,115
1970	8,855	7,091	14,413	5,650	8,064	238,020
1971	9,952	7,344	13,473	5,991	8,786	241,116
1972	9,581	6,577	12,794	5,806	7,834	240,091
1973	8,939	6,983	13,477	6,124	8,845	226,608
1974	8,752	7,245	15,000	5,792	7,723	240,762
1975	9,313	9,925	14,576	5,145	8,188	234,623
1976	9,634	9,568	14,752	5,361	8,001	237,416
1977	11,123	6,868	13,692	4,328	4,842	228,117
1978	8,892	7,591	14,743	5,425	4,708	226,627
1979	10,095	8,764	14,448	5,629	4,457	247,018
1980	11,485	7,629	14,444	6,420	5,659	242,682
1981	9,726	7,595	17,780	5,759	4,555	240,109
1982	11,350	7,541	16,865	Closed	8,277	258,284
1983	10,893	Closed	16,521	Closed	8,415	253,358
1984	12,578	Closed	18,787	Closed	9,418	274,583
1985	9,438	Closed	17,304	Closed	9,229	275,566
1986	12,263	Closed	15,235	2,426	11,374	271,818
1987	8,762	Closed	20,029	5,626	5,971	271,080
1988	11,005	Closed	20,971	7,189	6,535	281,731
1989	9,571	Closed	22,230	6,232	6,042	299,865
1990	13,062	5,334	24,548	7,745	6,087	320,122
1991	11,444	8,574	Closed	7,411	5,142	273,185
1992	11,059	8,730	23,610	6,972	5,622	310,084
1993	9,358	9,367	24,055	7,743	4,971	308,495
1994	9,666	9,186	21,745	7,978	4,307	302,135
1995	Closed	9,889	22,639	9,556	4,802	300,832
1996	Closed	9,044	21,664	9,048	4,562	315,395
1997	Closed	9,602	21,129	10,400	4,573	318,101
1998	Closed	9,243	20,597	11,378	4,824	322,057
1999	5,544	9,478	21,647	10,849	5,061	338,261
2000	7,355	9,103	22,084	10,231	4,853	331,090
2001	7,898	9,246	21,461	9,855	4,599	335,404
2002	8,399	9,534	20,538	10,146	4,435	329,749
2003	9,406	10,138	20,517	10,010	4,843	331,805
2004	10,216	10,436	20,292	9,846	4,399	335,921
2005	11,393	10,166	20,046	10,108	4,421	331,523
2006	11,143	11,158	18,403	9,487	4,390	328,620
2007	11,903	10,085	19,410	9,937	4,343	333,955
2008	13,362	10,197	17,901	9,482	4,390	327,644
2009	13,251	10,302	17,587	10,028	4,441	330,614
2010	12,567	9,884	18,088	10,390	4,319	327,984
2011	12,404	7,548	17,895	9,776	4,147	317,516
2012	13,321	8,827	17,432	10,579	5,032	322,259
2013	12,136	8,519	17,630	10,611	5,036	326,908
2014	11,020	8,569	18,227	10,299	4,777	322,391
2015	11,549	8,917	18,179	11,160	4,358	323,594

Hourly Vehicular Volumes

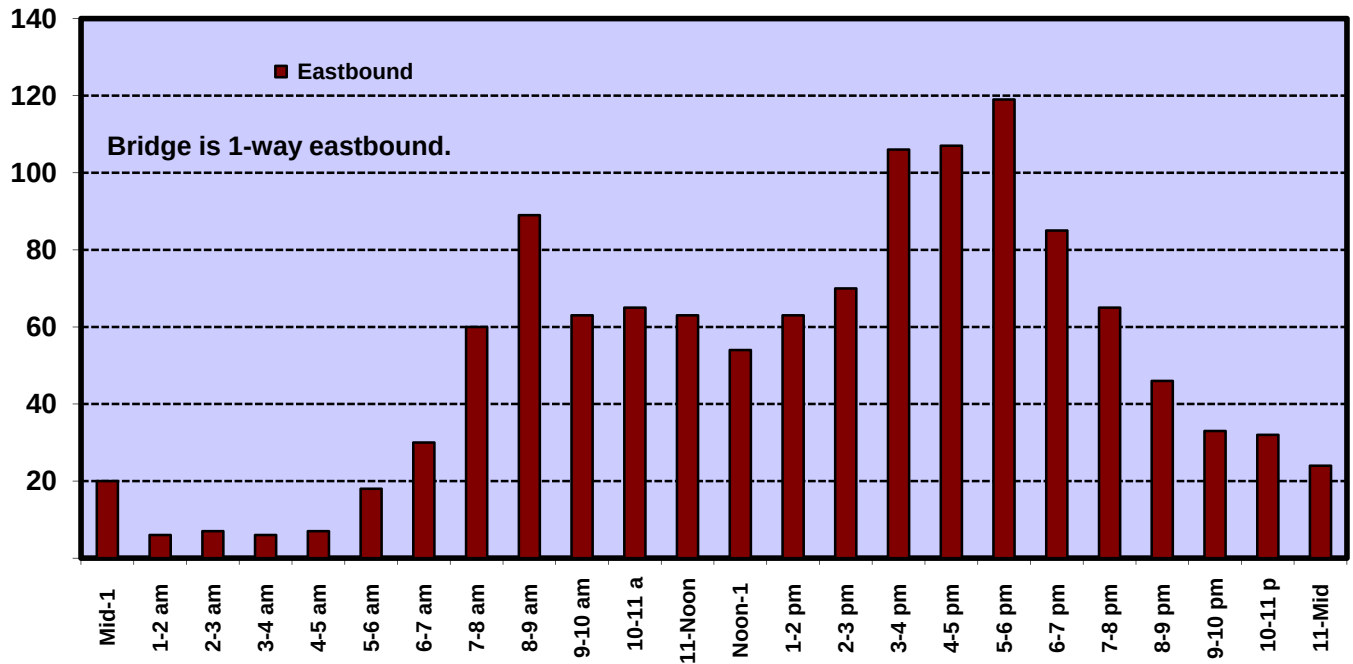
Carroll Street Bridge - 2015

	Eastbound						Westbound										
	Autos	Buses	Commuter		Commercial		Totals	Autos	Buses	Commuter		Commercial		Totals			
			Vans	Trucks	Vans					Vans	Trucks	Vans					
12-1am	---	---	---	---	---	20	Bridge is 1-way eastbound.								20		
1-2am	---	---	---	---	---	6									6		
2-3am	---	---	---	---	---	7									7		
3-4am	---	---	---	---	---	6									6		
4-5am	---	---	---	---	---	7									7		
5-6am	---	---	---	---	---	18									18		
6-7am	---	---	---	---	---	30									30		
7-8am	23	0	11	15	11	60									60		
8-9am	26	3	9	27	24	89									89		
9-10am	24	0	7	23	9	63									63		
10-11am	32	0	0	19	14	65									65		
11-12am	22	0	7	18	16	63									63		
12-1pm	11	0	10	16	17	54									54		
1-2pm	18	0	9	11	25	63									63		
2-3pm	2	0	15	35	18	70									70		
3-4pm	87	0	2	10	7	106									106		
4-5pm	82	0	3	8	14	107									107		
5-6pm	96	0	9	5	9	119									**	119	**
6-7pm	73	0	5	2	5	85									85		
7-8pm	---	---	---	---	---	65									65		
8-9pm	---	---	---	---	---	46									46		
9-10pm	---	---	---	---	---	33									33		
10-11pm	---	---	---	---	---	32									32		
11-12pm	---	---	---	---	---	24									24		
Totals	---	---	---	---	---	1,238									1,238		
7-10am	73	3	27	65	44	212									212		
10am-1pm	65	0	17	53	47	182									182		
1-4pm	107	0	26	56	50	239									239		
4-7pm	251	0	17	15	28	311									311		
7am-7pm	496	3	87	189	169	944									944		
6-10am						242									242		
3-7pm	338	0	19	25	35	417									417		
6am-7pm						974									974		

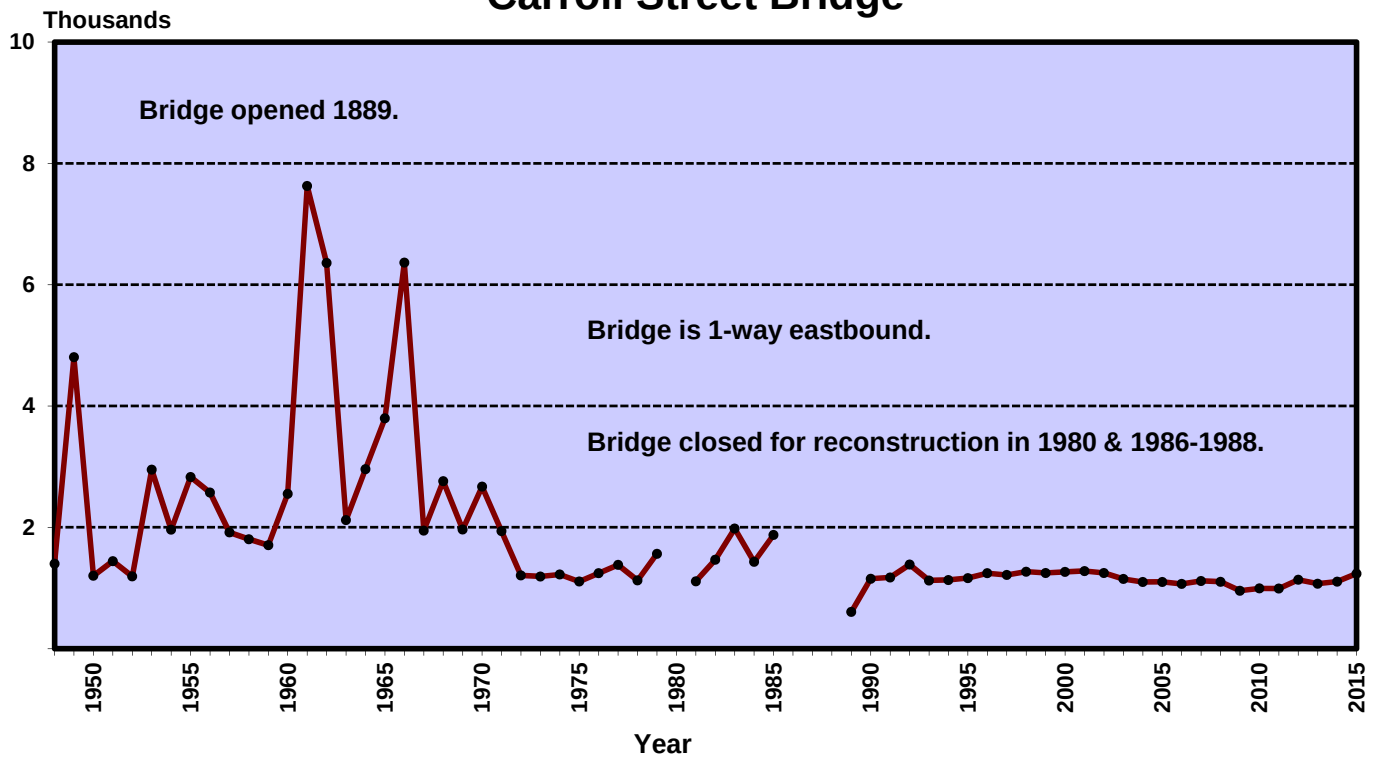
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Carroll Street Bridge ~ 2015



Average Daily Traffic Volumes Carroll Street Bridge



Hourly Vehicular Volumes

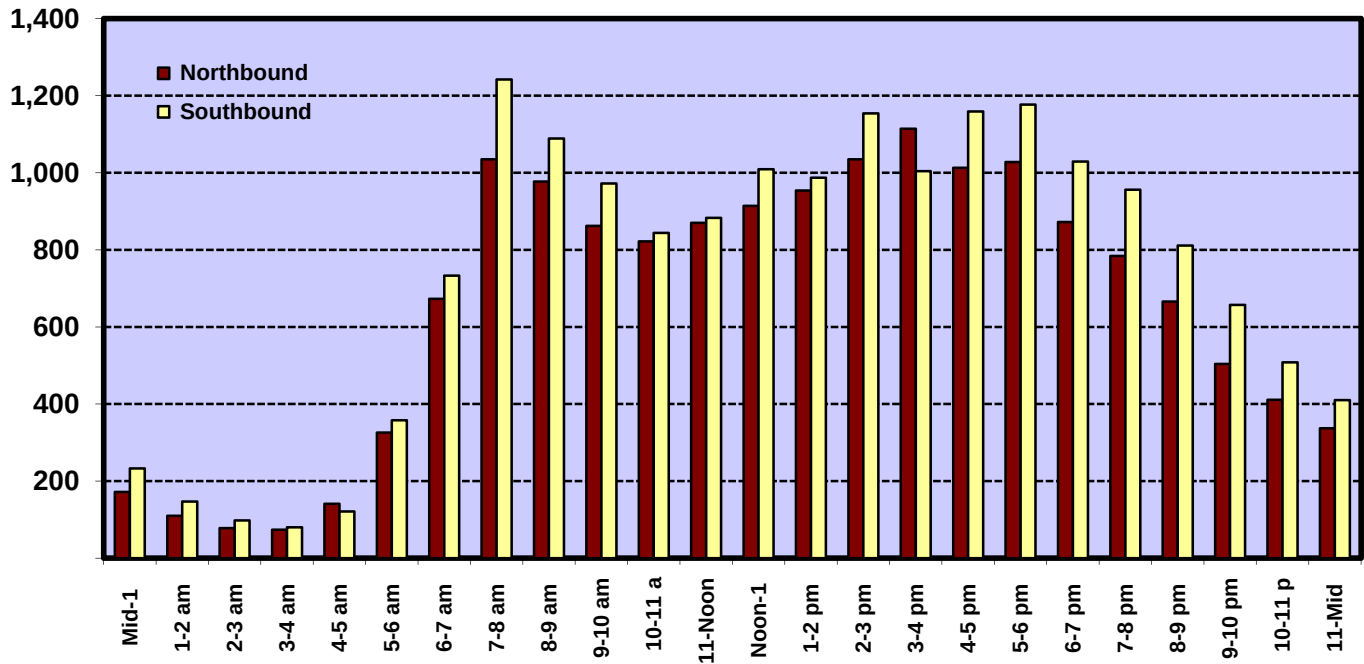
Cropsey Avenue Bridge - 2015

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	172	---	---	---	---	---	233
1-2am	---	---	---	---	---	110	---	---	---	---	---	147
2-3am	---	---	---	---	---	78	---	---	---	---	---	98
3-4am	---	---	---	---	---	74	---	---	---	---	---	80
4-5am	---	---	---	---	---	141	---	---	---	---	---	121
5-6am	---	---	---	---	---	326	---	---	---	---	---	358
6-7am	---	---	---	---	---	673	---	---	---	---	---	733
7-8am	834	73	2	44	82	1,035	1,030	110	0	60	42	1,242
8-9am	816	53	3	50	55	977	925	75	2	51	36	1,089
9-10am	690	45	1	45	81	862	751	90	4	54	73	972
10-11am	721	40	0	25	36	822	748	25	0	33	38	844
11-12am	720	25	0	66	59	870	704	26	1	73	79	883
12-1pm	803	43	0	30	38	914	924	32	0	29	24	1,009
1-2pm	820	61	0	31	42	954	890	34	1	23	39	987
2-3pm	817	79	3	62	74	1,035	956	55	0	64	79	1,154
3-4pm	953	90	1	31	39	1,114	864	68	2	22	48	1,004
4-5pm	858	39	0	52	64	1,013	984	56	0	27	92	1,159
5-6pm	893	11	0	56	68	1,028	998	21	9	46	103	1,177
6-7pm	778	20	0	32	42	872	939	7	0	15	68	1,029
7-8pm	---	---	---	---	---	784	---	---	---	---	---	956
8-9pm	---	---	---	---	---	666	---	---	---	---	---	811
9-10pm	---	---	---	---	---	504	---	---	---	---	---	657
10-11pm	---	---	---	---	---	411	---	---	---	---	---	508
11-12pm	---	---	---	---	---	337	---	---	---	---	---	410
Totals	---	---	---	---	---	15,772	---	---	---	---	---	17,661
7-10am	2,340	171	6	139	218	2,874	2,706	275	6	165	151	3,303
10am-1pm	2,244	108	0	121	133	2,606	2,376	83	1	135	141	2,736
1-4pm	2,590	230	4	124	155	3,103	2,710	157	3	109	166	3,145
4-7pm	2,529	70	0	140	174	2,913	2,921	84	9	88	263	3,365
7am-7pm	9,703	579	10	524	680	11,496	10,713	599	19	497	721	12,549
6-10am	---	---	---	---	---	3,547	---	---	---	---	---	4,036
3-7pm	3,482	160	1	171	213	4,027	3,785	152	11	110	311	4,369
6am-7pm	---	---	---	---	---	12,169	---	---	---	---	---	13,282

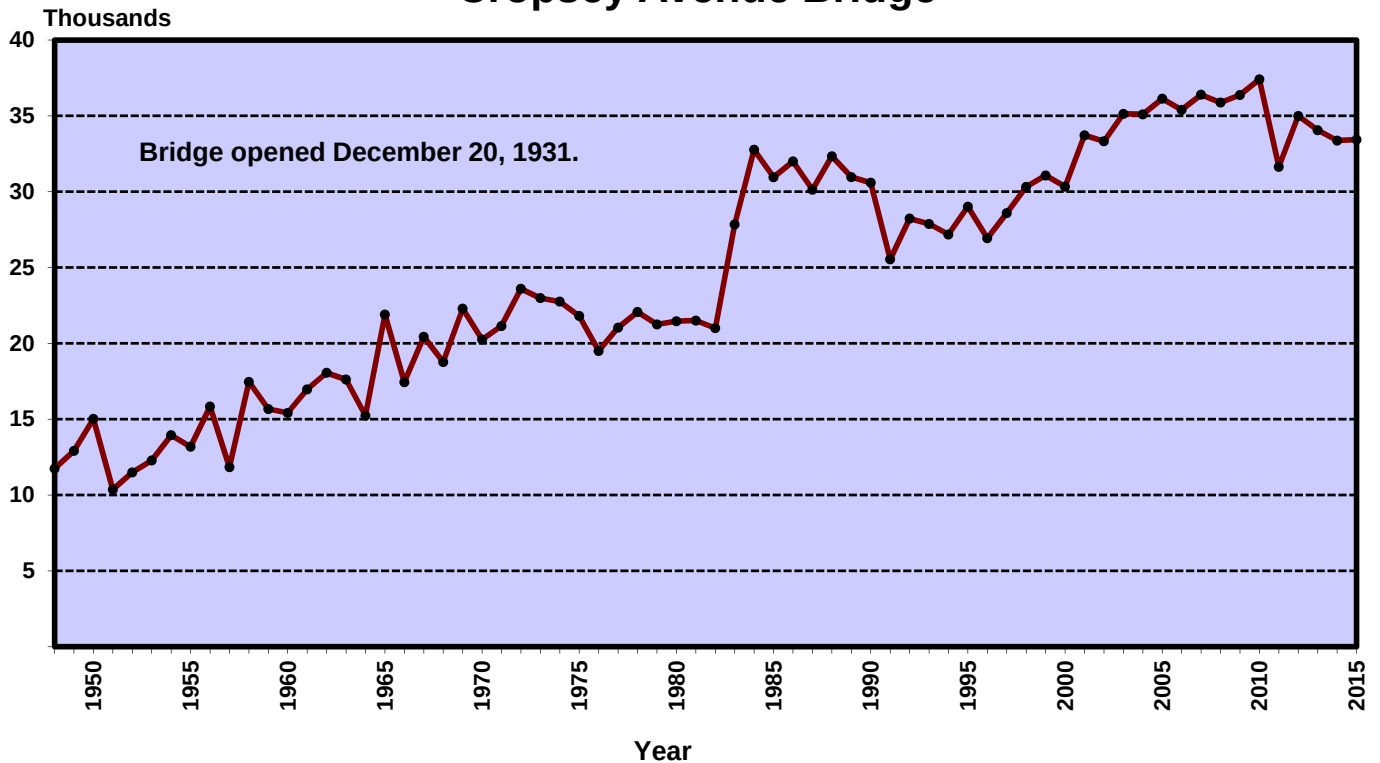
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Cropsey Avenue Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Cropsey Avenue Bridge



Hourly Vehicular Volumes

Hamilton Avenue Bridge - 2015

Northbound

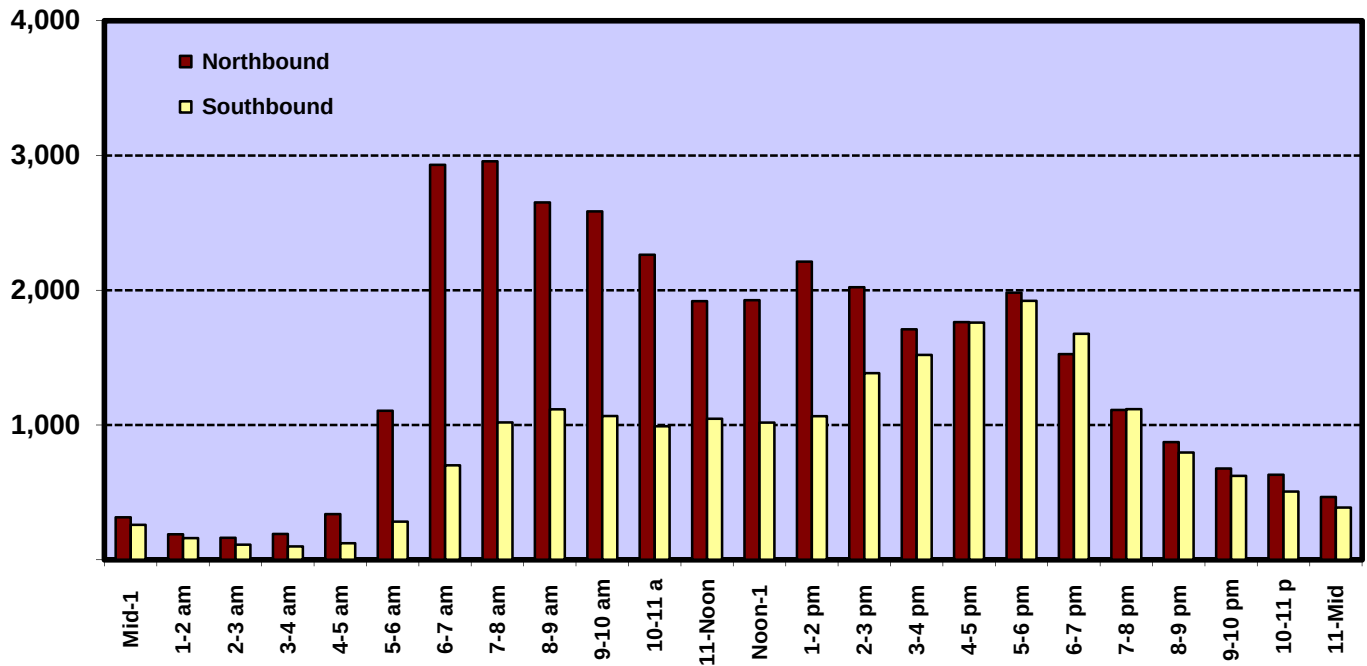
Southbound

FHWA Classes ▲	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles							Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles							Grand Totals		
	Autos, Motorcycles SUVs, Family Vans			Taxis, Liveries, Limos		Buses	Autos, Motorcycles SUVs, Family Vans			Taxis, Liveries, Limos		Buses	Single Unit Trucks			Multiple Unit Trucks	Total Vehicles
	1, 2, 3	2	2 & 3	4	5 - 7		8 - 13	Total Vehicles	1, 2, 3	2	2 & 3		4	5 - 7			
Totals	27,007	2,015	2,644	477	1,609	759	34,511	15,694	827	1,817	544	1,298	575	20,755	55,266		
7-10am	6,584	440	688	87	285	110	8,194	2,318	89	336	105	250	104	3,202	11,396		
10am-1pm	4,543	228	722	38	429	148	6,108	2,058	114	400	61	305	117	3,055	9,163		
1-4pm	4,514	239	520	117	415	139	5,944	2,884	108	453	102	315	109	3,971	9,915		
4-7pm	4,160	355	349	133	199	75	5,271	4,524	161	341	66	236	30	5,358	10,629		
7am-7pm	19,801	1,262	2,279	375	1,328	472	25,517	11,784	472	1,530	334	1,106	360	15,586	41,103		
6-10am	8,978	702	820	141	343	141	11,125	2,701	109	377	259	306	151	3,903	15,028		
3-7pm	5,528	424	466	183	288	92	6,981	5,662	204	497	112	341	62	6,878	13,859		
6am-7pm	22,195	1,524	2,411	429	1,386	503	28,448	12,167	492	1,571	488	1,162	407	16,287	44,735		

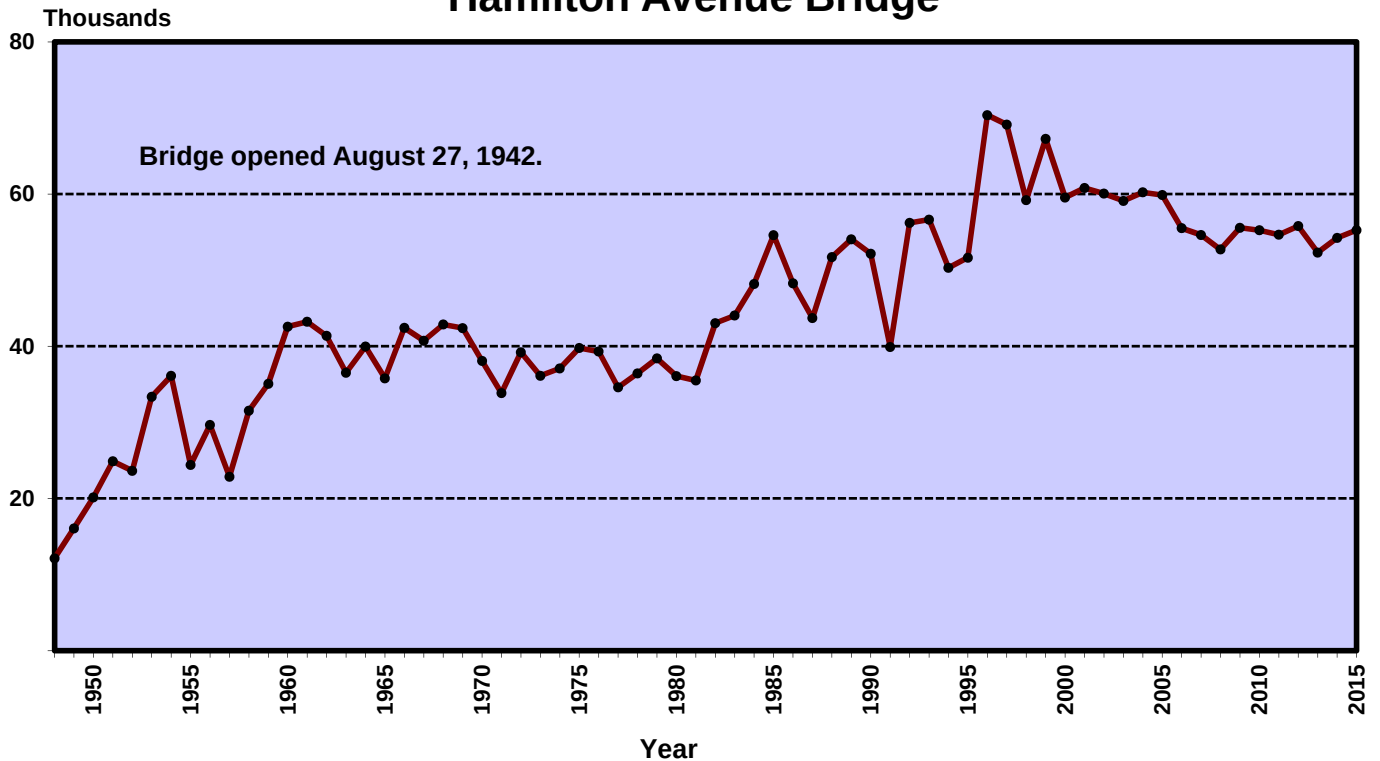
Based on October 2015 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Hamilton Avenue Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Hamilton Avenue Bridge



Hourly Vehicular Volumes

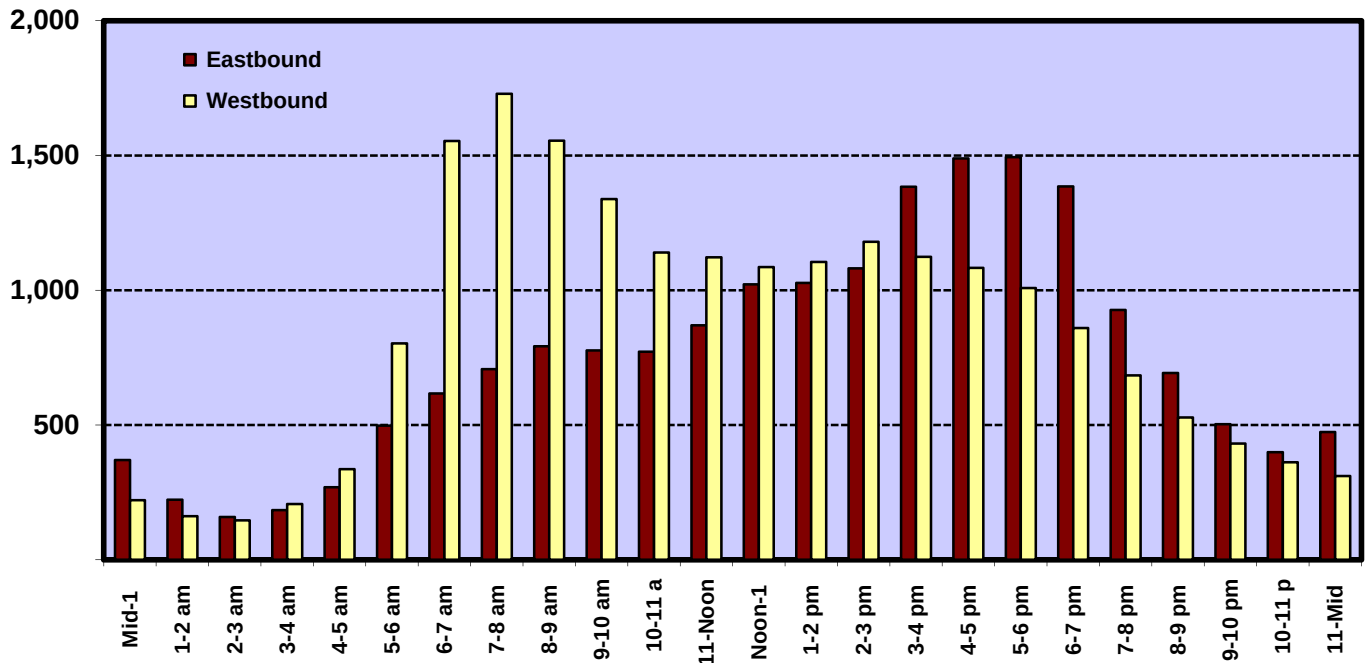
Metropolitan Avenue Bridge - 2015

	Eastbound						Westbound						2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	370	---	---	---	---	---	221	
1-2am	---	---	---	---	---	223	---	---	---	---	---	162	
2-3am	---	---	---	---	---	159	---	---	---	---	---	146	
3-4am	---	---	---	---	---	184	---	---	---	---	---	207	
4-5am	---	---	---	---	---	269	---	---	---	---	---	336	
5-6am	---	---	---	---	---	498	---	---	---	---	---	803	
6-7am	---	---	---	---	---	617	---	---	---	---	---	1,554	
7-8am	528	14	14	114	37	707	1,281	36	71	244	97	1,729	
8-9am	510	15	20	165	82	792	1,093	17	50	278	117	1,555	
9-10am	402	34	20	229	92	777	811	38	43	329	117	1,338	
10-11am	632	7	10	89	34	772	945	21	28	109	37	1,140	
11-12am	512	15	24	244	75	870	704	19	51	259	89	1,122	
12-1pm	840	17	19	111	35	1,022	884	17	28	118	39	1,086	
1-2pm	835	28	9	104	51	1,027	921	24	23	95	42	1,105	
2-3pm	749	13	30	196	93	1,081	810	20	35	217	98	1,180	
3-4pm	1,161	15	30	122	56	1,384	923	22	18	108	53	1,124	
4-5pm	1,099	37	61	168	124	1,489	827	14	28	144	70	1,083	
5-6pm	1,135	13	71	154	121	1,494	788	9	52	86	73	1,008	
6-7pm	1,100	12	60	122	91	1,385	719	12	40	47	42	860	
7-8pm	---	---	---	---	---	927	---	---	---	---	---	684	
8-9pm	---	---	---	---	---	693	---	---	---	---	---	528	
9-10pm	---	---	---	---	---	503	---	---	---	---	---	431	
10-11pm	---	---	---	---	---	399	---	---	---	---	---	362	
11-12pm	---	---	---	---	---	474	---	---	---	---	---	311	
Totals	---	---	---	---	---	18,116	---	---	---	---	---	20,075	
7-10am	1,440	63	54	508	211	2,276	3,185	91	164	851	331	4,622	
10am-1pm	1,984	39	53	444	144	2,664	2,533	57	107	486	165	3,348	
1-4pm	2,745	56	69	422	200	3,492	2,654	66	76	420	193	3,409	
4-7pm	3,334	62	192	444	336	4,368	2,334	35	120	277	185	2,951	
7am-7pm	9,503	220	368	1,818	891	12,800	10,706	249	467	2,034	874	14,330	
6-10am						2,893						6,176	
3-7pm	4,495	77	222	566	392	5,752	3,257	57	138	385	238	4,075	
6am-7pm						13,417						15,884	

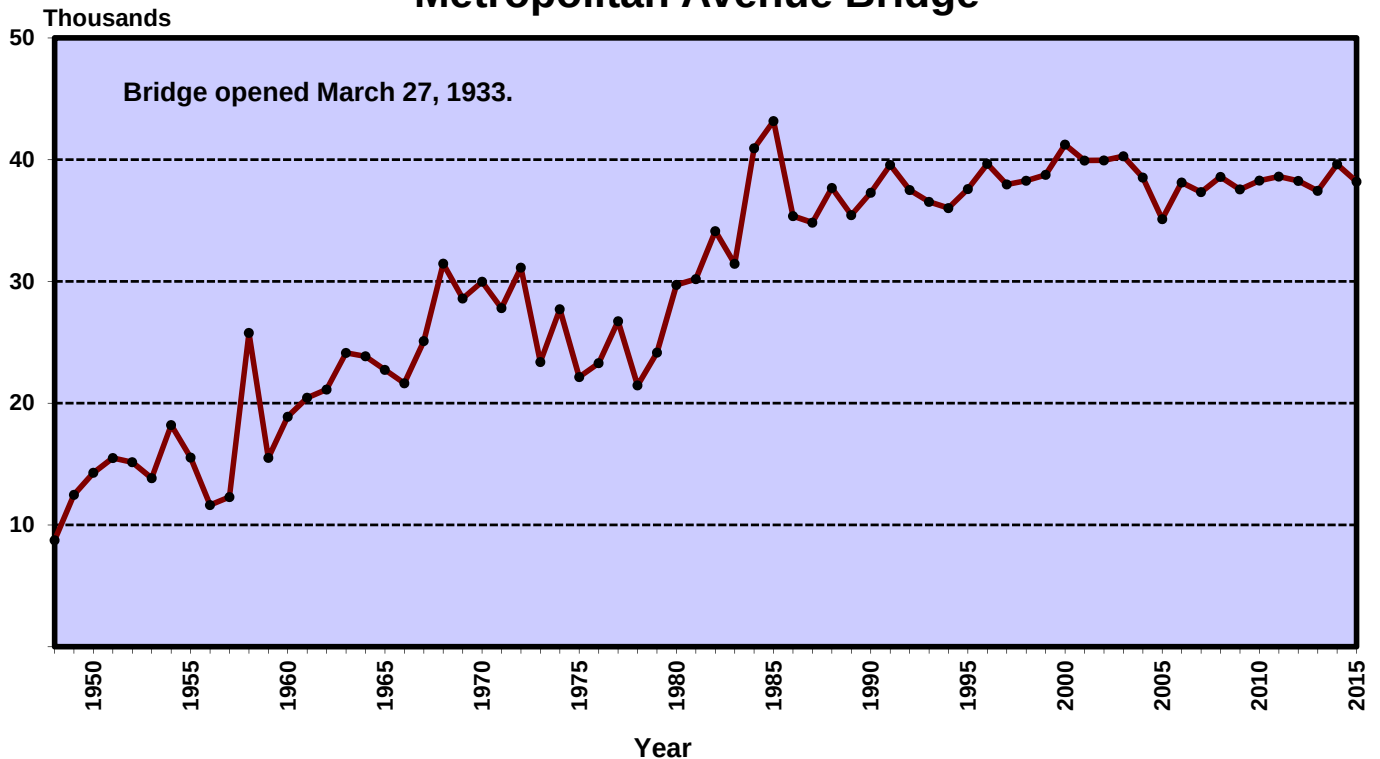
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Metropolitan Avenue Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Metropolitan Avenue Bridge



Hourly Vehicular Volumes

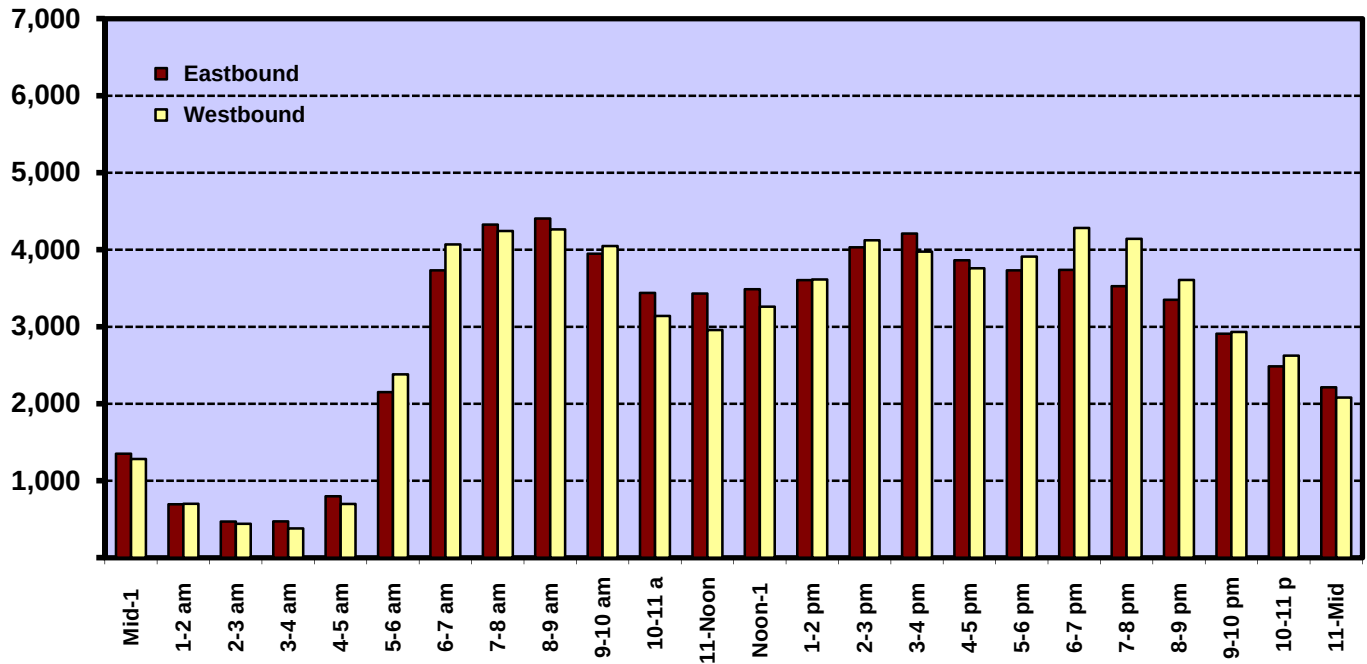
Mill Basin Bridge - 2015

	Eastbound					Westbound					2-Way Totals
	Commuter			Commercial		Commuter			Commercial		
	Autos	Buses	Vans	Trucks	Totals	Autos	Buses	Vans	Trucks	Totals	
12-1am	---	---	---	---	1,352	---	---	---	---	1,282	2,634
1-2am	---	---	---	---	695	---	---	---	---	701	1,396
2-3am	---	---	---	---	470	---	---	---	---	441	911
3-4am	---	---	---	---	472	---	---	---	---	382	854
4-5am	---	---	---	---	798	---	---	---	---	699	1,497
5-6am	---	---	---	---	2,152	---	---	---	---	2,381	4,533
6-7am	---	---	---	---	3,732	---	---	---	---	4,068	7,800
7-8am	4,025	57	21	5	4,327	3,953	18	0	123	4,244	8,571
8-9am	4,167	17	15	16	4,405	3,902	50	0	113	4,264	8,669
9-10am	3,639	9	17	24	3,949	3,676	72	1	111	4,049	7,998
10-11am	3,315	8	11	14	3,439	3,037	15	0	33	3,140	6,579
11-12am	3,033	5	67	31	3,431	2,670	0	4	142	2,957	6,388
12-1pm	3,331	5	21	15	3,488	3,070	0	0	72	3,260	6,748
1-2pm	3,374	93	14	12	3,605	3,485	10	0	39	3,615	7,220
2-3pm	3,654	38	25	15	4,031	3,821	7	0	117	4,123	8,154
3-4pm	4,021	24	15	6	4,211	3,733	67	0	73	4,284	8,186
4-5pm	3,598	11	34	6	3,864	3,452	34	2	108	3,759	7,623
5-6pm	3,530	5	15	12	3,733	3,621	27	2	117	3,912	7,645
6-7pm	3,535	4	14	5	3,739	4,018	3	1	107	4,284	8,023
7-8pm	---	---	---	---	3,527	---	---	---	---	4,142	7,669
8-9pm	---	---	---	---	3,351	---	---	---	---	3,607	6,958
9-10pm	---	---	---	---	2,909	---	---	---	---	2,933	5,842
10-11pm	---	---	---	---	2,485	---	---	---	---	2,626	5,111
11-12pm	---	---	---	---	2,214	---	---	---	---	2,080	4,294
Totals	---	---	---	---	70,379	---	---	---	---	70,924	141,303
7-10am	11,831	83	53	45	12,681	11,531	140	1	347	538	25,238
10am-1pm	9,679	18	99	60	10,358	8,777	15	4	247	314	19,715
1-4pm	11,049	155	54	33	11,847	11,039	84	0	229	361	23,560
4-7pm	10,663	20	63	23	11,336	11,091	64	5	332	463	23,291
7am-7pm	43,222	276	269	161	46,222	42,438	303	10	1,155	1,676	91,804
6-10am					16,413						33,038
3-7pm	14,684	44	78	29	15,547	14,824	131	5	405	565	31,477
6am-7pm					49,954						99,604

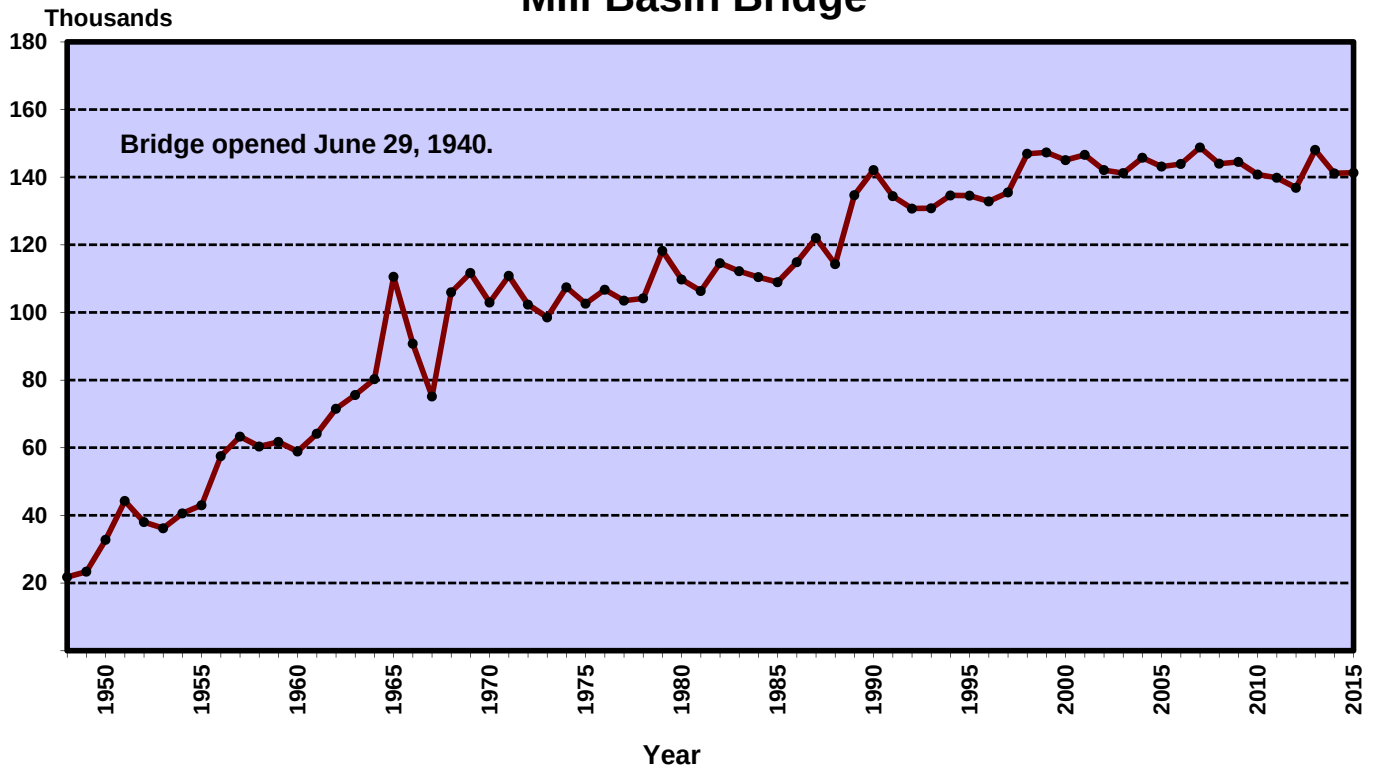
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Mill Basin Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Mill Basin Bridge



Hourly Vehicular Volumes

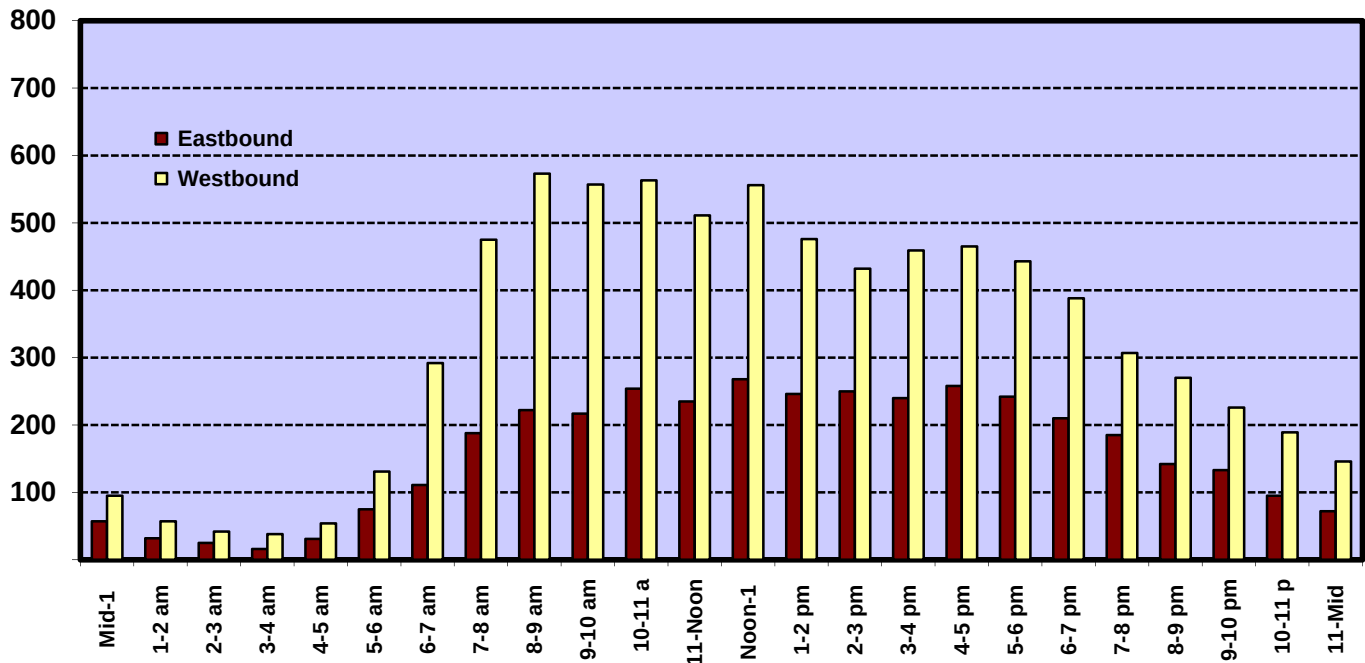
Ninth Street Bridge - 2015

	Eastbound					Totals	Westbound					2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	57	---	---	---	---	---	95
1-2am	---	---	---	---	---	32	---	---	---	---	---	57
2-3am	---	---	---	---	---	25	---	---	---	---	---	42
3-4am	---	---	---	---	---	16	---	---	---	---	---	38
4-5am	---	---	---	---	---	31	---	---	---	---	---	54
5-6am	---	---	---	---	---	75	---	---	---	---	---	131
6-7am	---	---	---	---	---	111	---	---	---	---	---	292
7-8am	137	19	5	16	11	188	384	10	0	44	37	475
8-9am	138	19	8	43	14	222	479	5	0	50	39	573
9-10am	137	16	4	41	19	217	468	11	0	48	30	557
10-11am	197	19	4	22	12	254	509	12	0	23	19	563
11-12am	157	14	10	44	10	235	320	35	0	107	49	511
12-1pm	205	13	12	26	12	268	366	39	0	102	49	556
1-2pm	118	14	16	82	16	246	359	9	48	30	30	476
2-3pm	152	17	12	50	19	250	334	19	16	36	27	432
3-4pm	194	12	2	19	13	240	385	22	0	33	19	459
4-5pm	195	11	5	28	19	258	358	16	0	56	35	465
5-6pm	187	16	1	28	10	242	375	25	0	25	18	443
6-7pm	145	13	1	37	14	210	351	11	0	16	10	388
7-8pm	---	---	---	---	---	185	---	---	---	---	---	307
8-9pm	---	---	---	---	---	142	---	---	---	---	---	270
9-10pm	---	---	---	---	---	133	---	---	---	---	---	226
10-11pm	---	---	---	---	---	95	---	---	---	---	---	189
11-12pm	---	---	---	---	---	72	---	---	---	---	---	146
Totals	---	---	---	---	---	3,804	---	---	---	---	---	7,745
7-10am	412	54	17	100	44	627	1,331	26	0	142	106	1,605
10am-1pm	559	46	26	92	34	757	1,195	86	0	232	117	1,630
1-4pm	464	43	30	151	48	736	1,078	50	64	99	76	1,367
4-7pm	527	40	7	93	43	710	1,084	52	0	97	63	1,296
7am-7pm	1,962	183	80	436	169	2,830	4,688	214	64	570	362	5,898
6-10am						738						1,897
3-7pm	721	52	9	112	56	950	1,469	74	0	130	82	1,755
6am-7pm						2,941						6,190

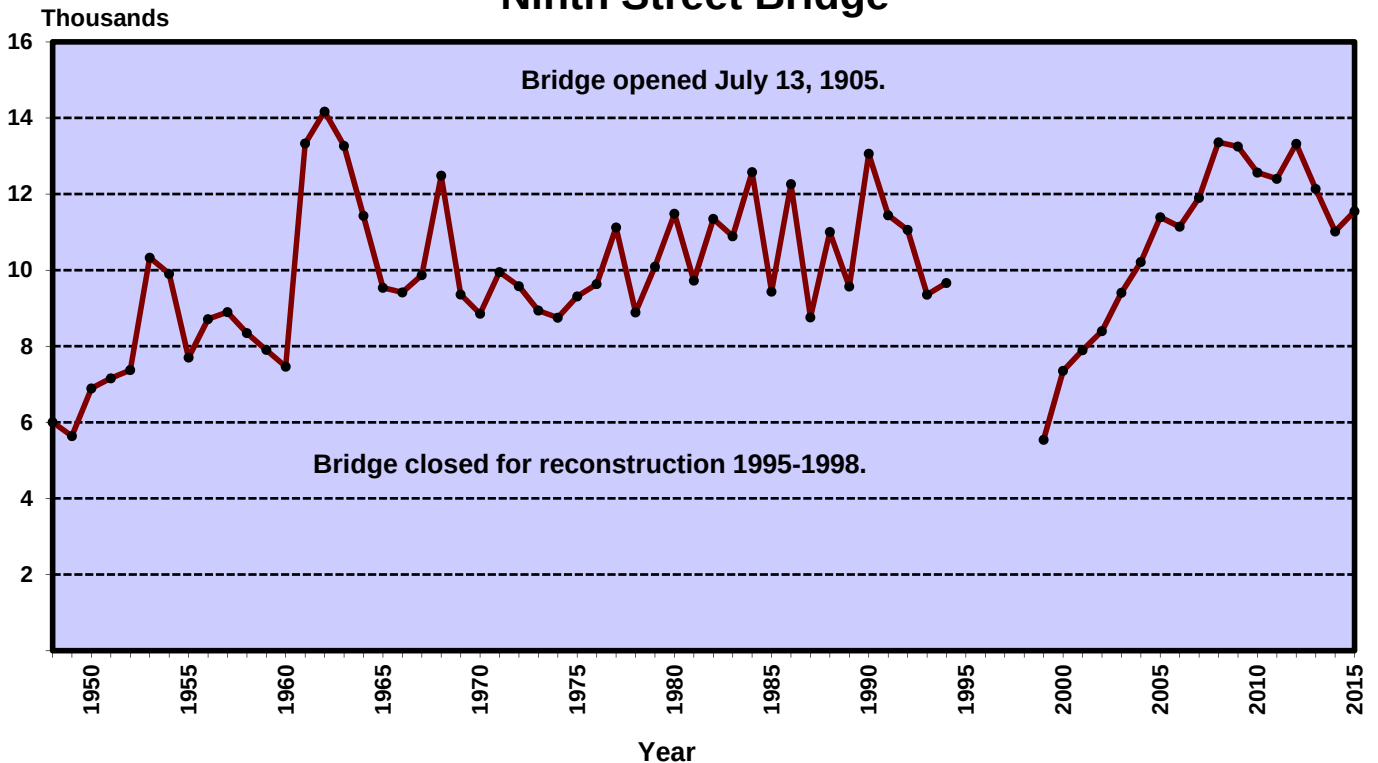
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Ninth Street Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Ninth Street Bridge



Hourly Vehicular Volumes

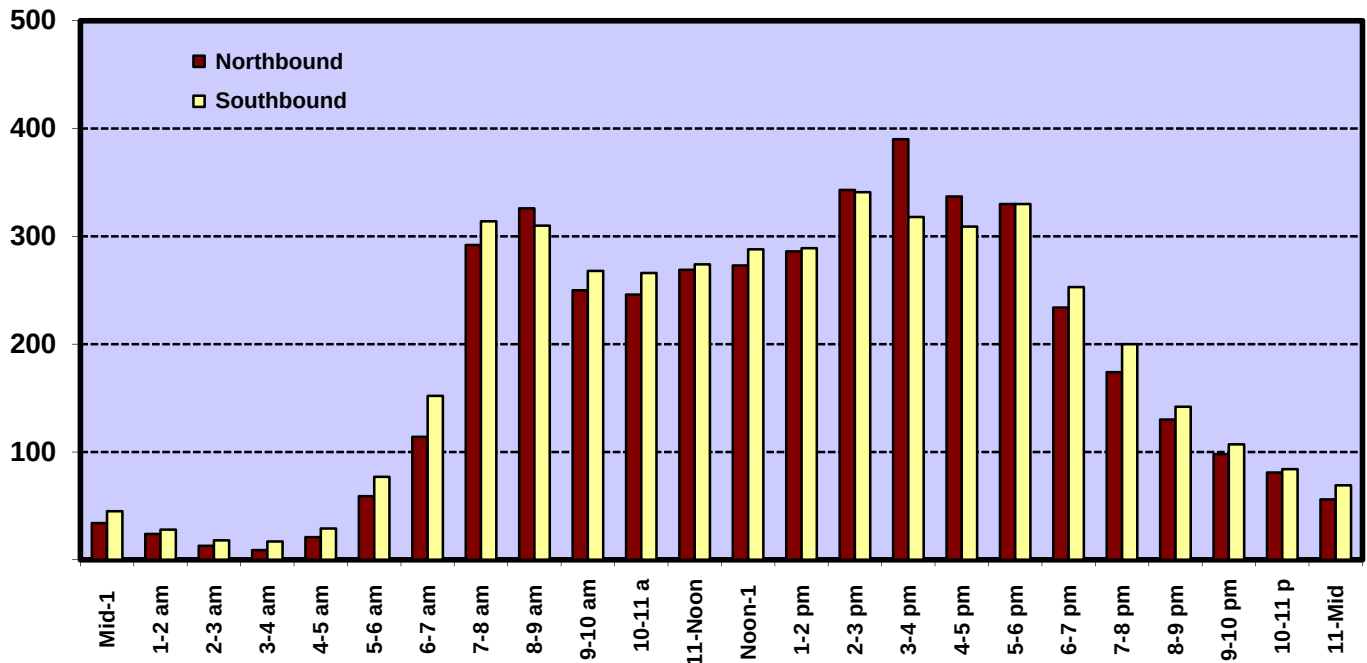
Stillwell Avenue Bridge - 2015

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	34	---	---	---	---	---	45
1-2am	---	---	---	---	---	24	---	---	---	---	---	28
2-3am	---	---	---	---	---	13	---	---	---	---	---	18
3-4am	---	---	---	---	---	9	---	---	---	---	---	17
4-5am	---	---	---	---	---	21	---	---	---	---	---	29
5-6am	---	---	---	---	---	59	---	---	---	---	---	77
6-7am	---	---	---	---	---	114	---	---	---	---	---	152
7-8am	232	22	0	38	0	292	244	53	0	17	0	314
8-9am	246	34	0	46	0	326	257	33	0	20	0	310
9-10am	187	29	0	34	0	250	175	16	0	77	0	268
10-11am	176	27	0	43	0	246	192	21	0	53	0	266
11-12am	202	11	0	56	0	269	219	14	0	41	0	274
12-1pm	191	13	0	69	0	273	231	17	0	40	0	288
1-2pm	192	22	0	72	0	286	210	18	0	61	0	289
2-3pm	246	29	0	68	0	343	222	26	0	93	0	341
3-4pm	302	41	0	47	0	390	259	17	0	42	0	318
4-5pm	260	35	0	42	0	337	251	18	0	40	0	309
5-6pm	287	23	0	20	0	330	282	17	0	31	0	330
6-7pm	202	22	0	10	0	234	222	21	0	10	0	253
7-8pm	---	---	---	---	---	174	---	---	---	---	---	200
8-9pm	---	---	---	---	---	130	---	---	---	---	---	142
9-10pm	---	---	---	---	---	98	---	---	---	---	---	107
10-11pm	---	---	---	---	---	81	---	---	---	---	---	84
11-12pm	---	---	---	---	---	56	---	---	---	---	---	69
Totals	---	---	---	---	---	4,389	---	---	---	---	---	4,528
7-10am	665	85	0	118	0	868	676	102	0	114	0	892
10am-1pm	569	51	0	168	0	788	642	52	0	134	0	828
1-4pm	740	92	0	187	0	1,019	691	61	0	196	0	948
4-7pm	749	80	0	72	0	901	755	56	0	81	0	892
7am-7pm	2,723	308	0	545	0	3,576	2,764	271	0	525	0	3,560
6-10am						982						1,044
3-7pm	1,051	121	0	119	0	1,291	1,014	73	0	123	0	1,210
6am-7pm						3,690						3,712

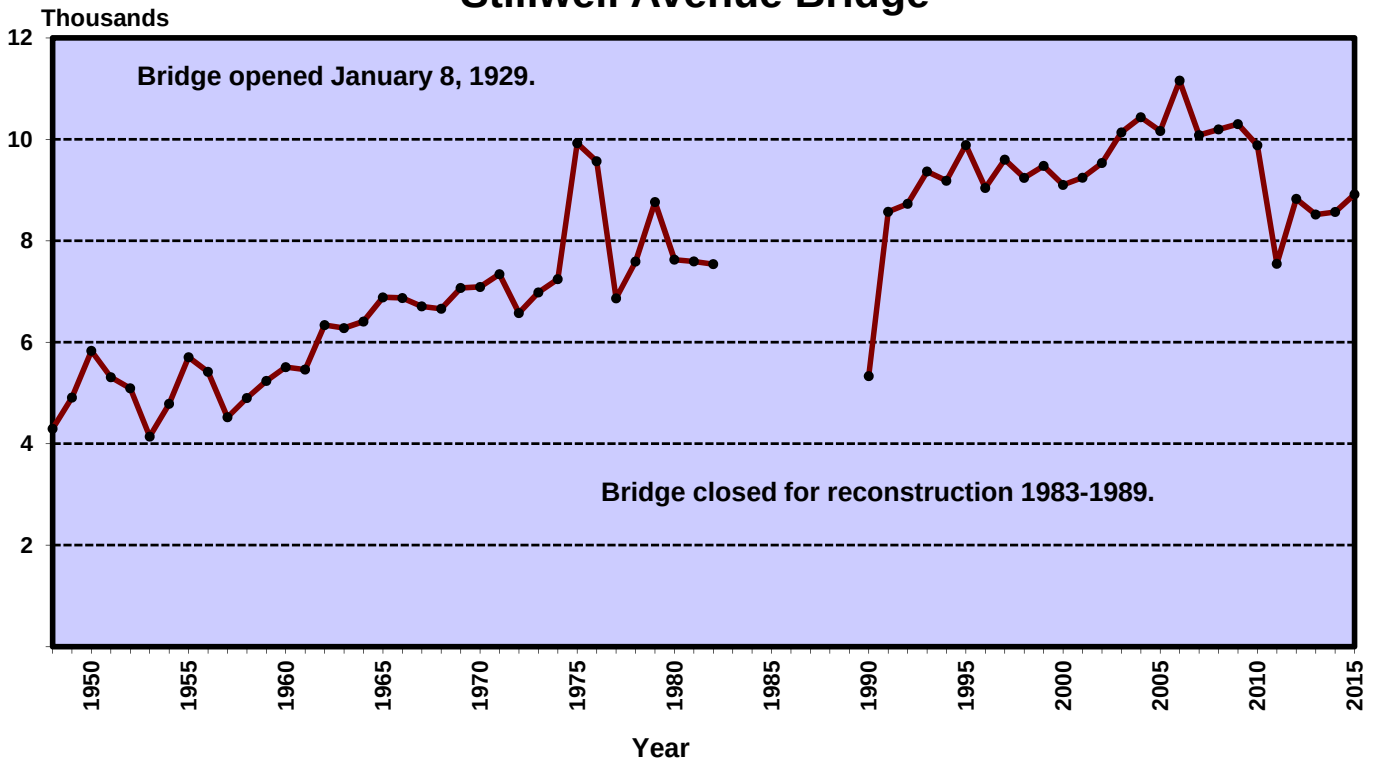
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Stillwell Avenue Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Stillwell Avenue Bridge



Hourly Vehicular Volumes

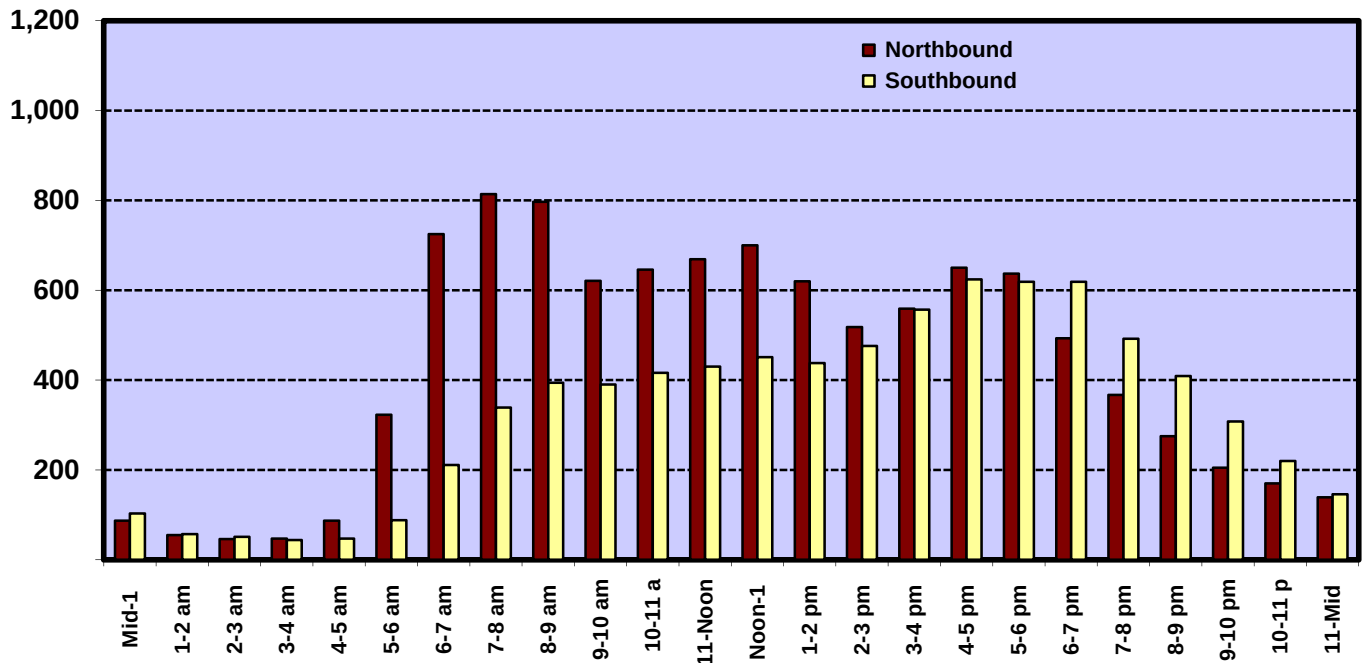
Third Avenue Bridge - 2015

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	87	---	---	---	---	---	103
1-2am	---	---	---	---	---	55	---	---	---	---	---	57
2-3am	---	---	---	---	---	46	---	---	---	---	---	51
3-4am	---	---	---	---	---	47	---	---	---	---	---	44
4-5am	---	---	---	---	---	87	---	---	---	---	---	47
5-6am	---	---	---	---	---	323	---	---	---	---	---	88
6-7am	---	---	---	---	---	725	---	---	---	---	---	211
7-8am	645	12	0	91	66	814	251	7	0	46	35	339
8-9am	661	9	0	68	59	797	286	11	0	64	33	394
9-10am	392	8	0	131	90	621	273	7	2	65	43	390
10-11am	558	11	0	41	36	646	348	5	1	35	27	416
11-12am	489	10	1	105	64	669	322	5	0	61	42	430
12-1pm	629	4	0	39	28	700	399	3	1	25	23	451
1-2pm	490	10	0	70	50	620	380	4	0	29	25	438
2-3pm	336	15	0	97	70	518	348	5	0	77	46	476
3-4pm	464	12	0	44	39	559	506	5	0	20	26	557
4-5pm	506	9	0	65	70	650	505	6	0	52	61	624
5-6pm	557	7	0	29	44	637	536	3	0	35	45	619
6-7pm	427	10	0	33	23	493	526	5	0	38	50	619
7-8pm	---	---	---	---	---	367	---	---	---	---	---	492
8-9pm	---	---	---	---	---	275	---	---	---	---	---	409
9-10pm	---	---	---	---	---	205	---	---	---	---	---	308
10-11pm	---	---	---	---	---	170	---	---	---	---	---	220
11-12pm	---	---	---	---	---	139	---	---	---	---	---	146
Totals	---	---	---	---	---	10,250	---	---	---	---	---	7,929
7-10am	1,698	29	0	290	215	2,232	810	25	2	175	111	1,123
10am-1pm	1,676	25	1	185	128	2,015	1,069	13	2	121	92	1,297
1-4pm	1,290	37	0	211	159	1,697	1,234	14	0	126	97	1,471
4-7pm	1,490	26	0	127	137	1,780	1,567	14	0	125	156	1,862
7am-7pm	6,154	117	1	813	639	7,724	4,680	66	4	547	456	5,753
6-10am						2,957						1,334
3-7pm	1,954	38	0	171	176	2,339	2,073	19	0	145	182	2,419
6am-7pm						8,449						5,964
												14,413

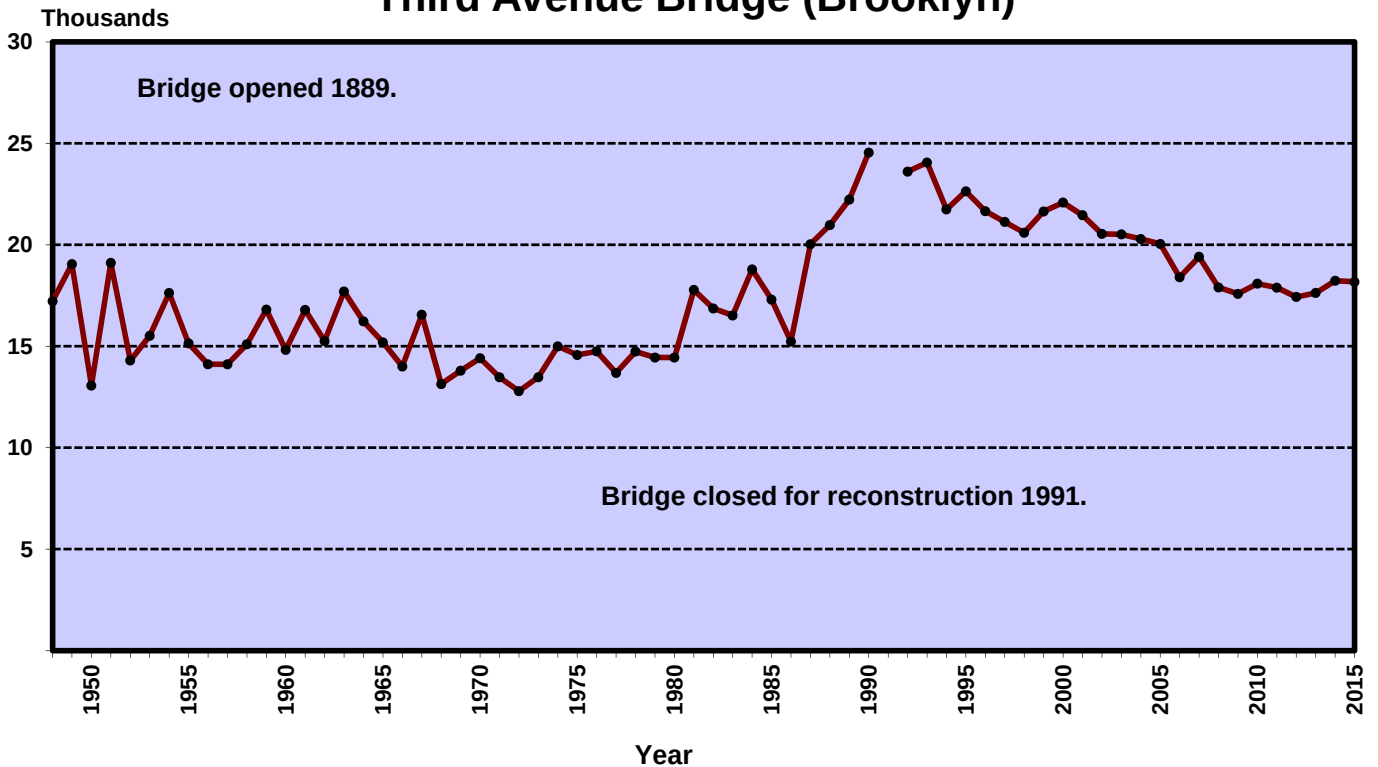
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Third Avenue Bridge (Brooklyn) ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Third Avenue Bridge (Brooklyn)



Hourly Vehicular Volumes

Third Street Bridge - 2015

Eastbound

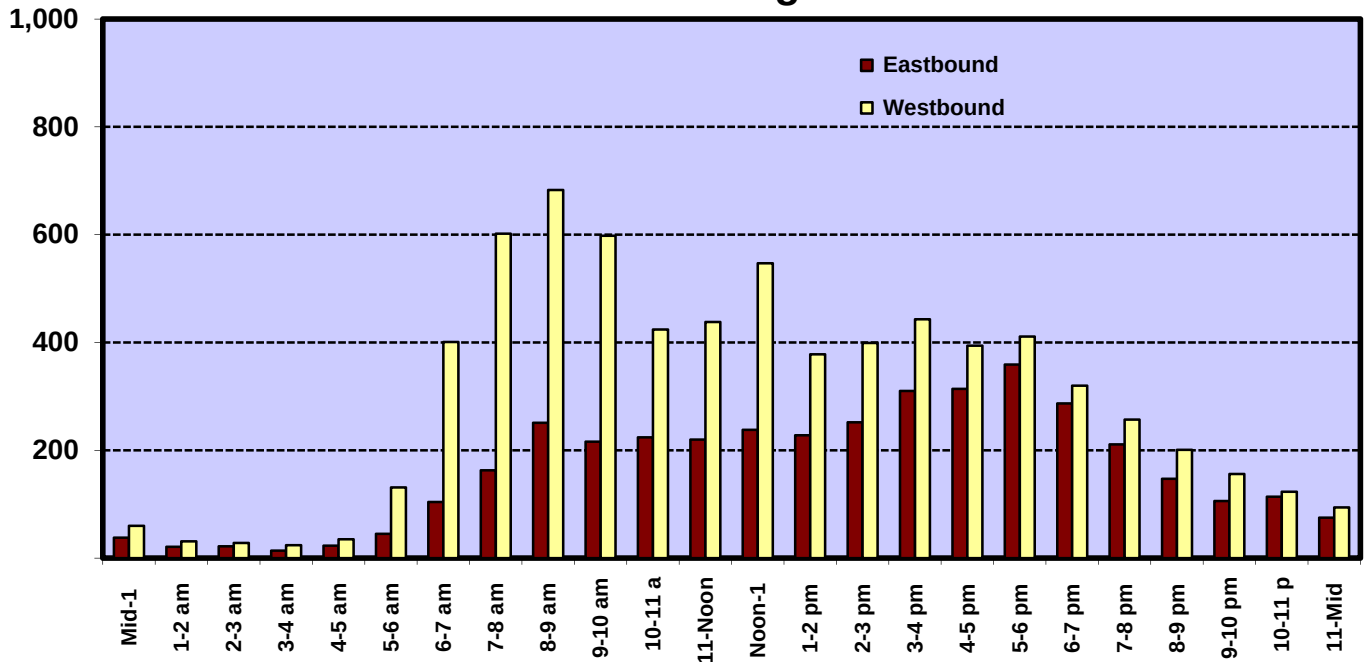
FHWA Classes ▶	Commercial Vans, Panel Trucks, Pickups, Taxis, Limos										Autos, SUVs, Family Vans		Motorcycles		Total Vehicles
	1, 2, 3	2	2 & 3	Buses	Single Unit Trucks	Multiple Unit Trucks	Pickups, Police, Fleet Vehicles	Panel Trucks,	Autos, SUVs, Family Vans	Motorcycles					
12-1am	20	11	1	4	1	1								38	
1-2am	7	9	0	0	1	4								21	
2-3am	4	16	0	1	0	1								22	
3-4am	3	8	0	1	0	2								14	
4-5am	7	12	0	0	0	4								23	
5-6am	31	6	0	4	0	4								45	
6-7am	58	7	3	16	17	3								104	
7-8am	131	3	8	8	10	3								163	
8-9am	215	0	10	0	16	10								251	
9-10am	137	9	37	9	15	9								216	
10-11am	132	8	23	3	16	42								224	
11-12am	166	10	7	7	20	10								220	
12-1pm	202	8	10	0	13	5								238	
1-2pm	177	7	0	14	10	20								228	
2-3pm	207	0	13	19	3	10								252	
3-4pm	266	10	10	7	14	3								310	
4-5pm	262	3	19	14	11	5								314	
5-6pm	298	27	17	7	7	3								359	
6-7pm	248	26	3	3	7	0								287	
7-8pm	185	13	9	0	4	0								211	
8-9pm	102	39	0	4	2	0								147	
9-10pm	92	9	0	0	0	5								106	
10-11pm	81	25	1	6	1	0								114	
11-12pm	40	27	2	3	1	2								75	
Totals	3,071	293	173	130	169	146								3,982	

7-10am	483	12	55	17	41	22		1,374	305	113	31	42	18			113	31	42	18	1,883	2,513
10am-1pm	500	26	40	10	49	57		1,120	125	118	0	34	12			118	0	34	12	1,409	2,091
1-4pm	650	17	23	40	27	33		964	106	96	19	30	5			96	19	30	5	1,220	2,010
4-7pm	808	56	39	24	25	8		904	143	46	14	16	2			46	14	16	2	1,125	2,085
7am-7pm	2,441	111	157	91	142	120		4,362	679	373	64	122	37			373	64	122	37	5,637	8,699
6-10am	541	19	58	33	58	25		1,600	447	129	38	47	23			129	38	47	23	2,284	3,018
3-7pm	1,074	66	49	31	39	11		1,256	179	76	33	22	2			76	33	22	2	1,568	2,838
6am-7pm	2,499	118	160	107	159	123		4,588	821	389	71	127	42			389	71	127	42	6,038	9,204

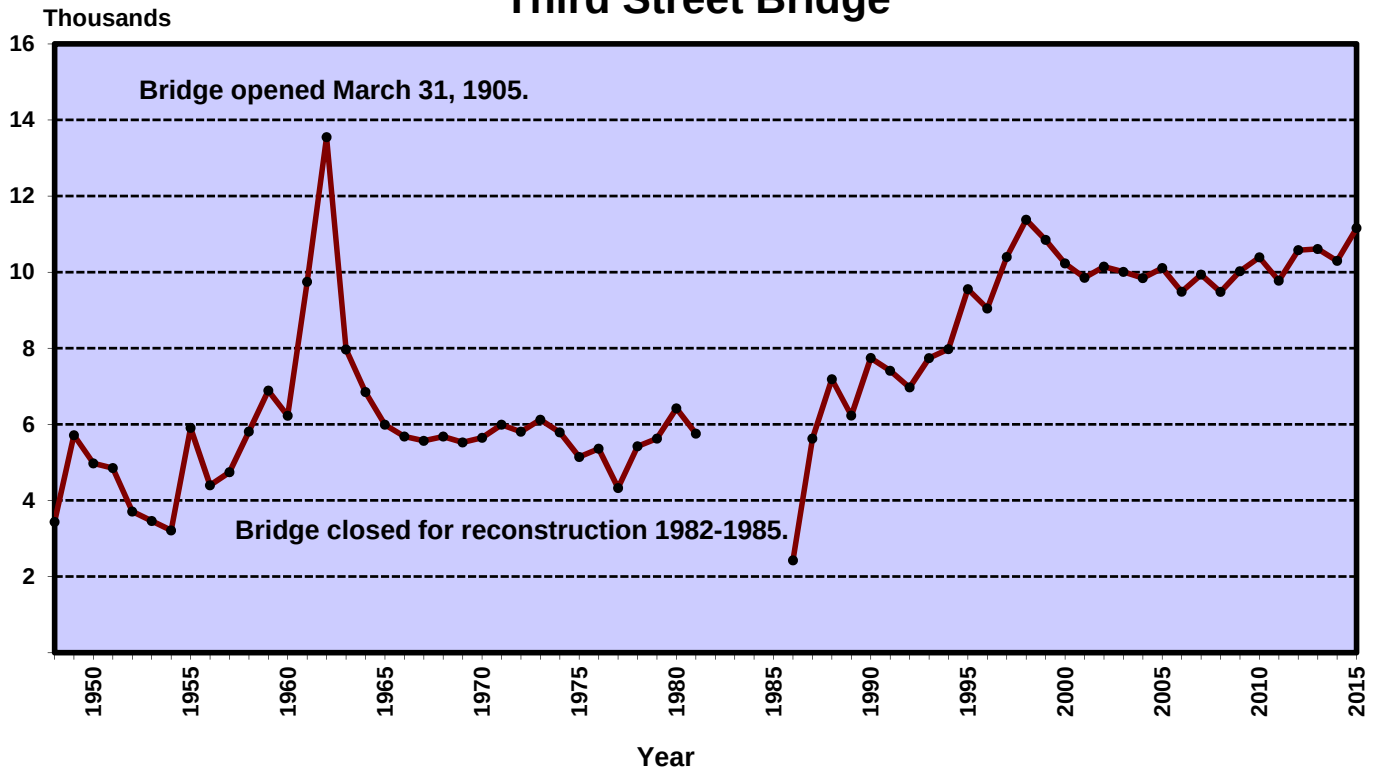
Based on October 2015 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Third Street Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Third Street Bridge



Hourly Vehicular Volumes

Union Street Bridge - 2015

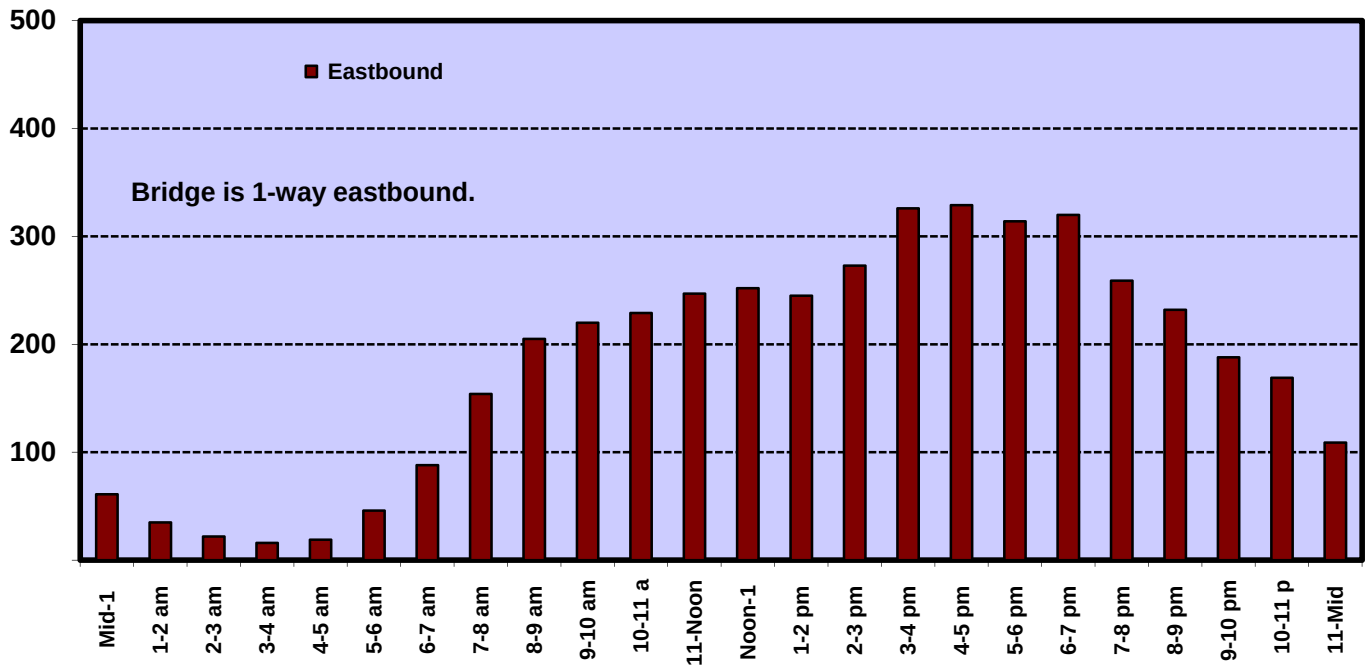
Eastbound													Westbound												
FHWA Classes ▲	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles						Autos, Motorcycles SUVs, Family Vans						Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles						Autos, Motorcycles SUVs, Family Vans						Grand Totals
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks					
Bridge is 1-way eastbound.																									
12-1am	41	17	1	0	2	0	61														61				
1-2am	20	13	2	0	0	0	35														35				
2-3am	12	6	2	0	2	0	22														22				
3-4am	6	4	4	0	1	1	16														16				
4-5am	8	4	4	0	3	0	19														19				
5-6am	27	7	7	2	3	0	46														46				
6-7am	58	8	3	12	7	0	88														88				
7-8am	112	14	11	4	12	1	154														154				
8-9am	135	30	19	10	11	0	205														205				
9-10am	115	49	37	3	16	0	220														220				
10-11am	127	52	30	4	16	0	229														229				
11-12am	168	33	28	2	16	0	247														247				
12-1pm	143	47	47	3	12	0	252														252				
1-2pm	145	36	35	4	24	1	245														245				
2-3pm	169	51	32	5	16	0	273														273				
3-4pm	219	45	37	12	13	0	326														326				
4-5pm	242	36	28	8	15	0	329	**													329				
5-6pm	228	58	18	1	9	0	314														314				
6-7pm	222	72	22	0	4	0	320														320				
7-8pm	194	44	13	0	8	0	259														259				
8-9pm	165	53	9	1	4	0	232														232				
9-10pm	118	55	8	0	7	0	188														188				
10-11pm	111	48	6	0	4	0	169														169				
11-12pm	72	31	4	1	1	0	109														109				
Totals	2,857	813	407	72	206	3	4,358														4,358				
7-10am	362	93	67	17	39	1	579														579				
10am-1pm	438	132	105	9	44	0	728														728				
1-4pm	533	132	104	21	53	1	844														844				
4-7pm	692	166	68	9	28	0	963														963				
7am-7pm	2,025	523	344	56	164	2	3,114														3,114				
6-10am	420	101	70	29	46	1	667														667				
3-7pm	911	211	105	21	41	0	1,289														1,289				
6am-7pm	2,083	531	347	68	171	2	3,202														3,202				

Bridge is 1-way eastbound.

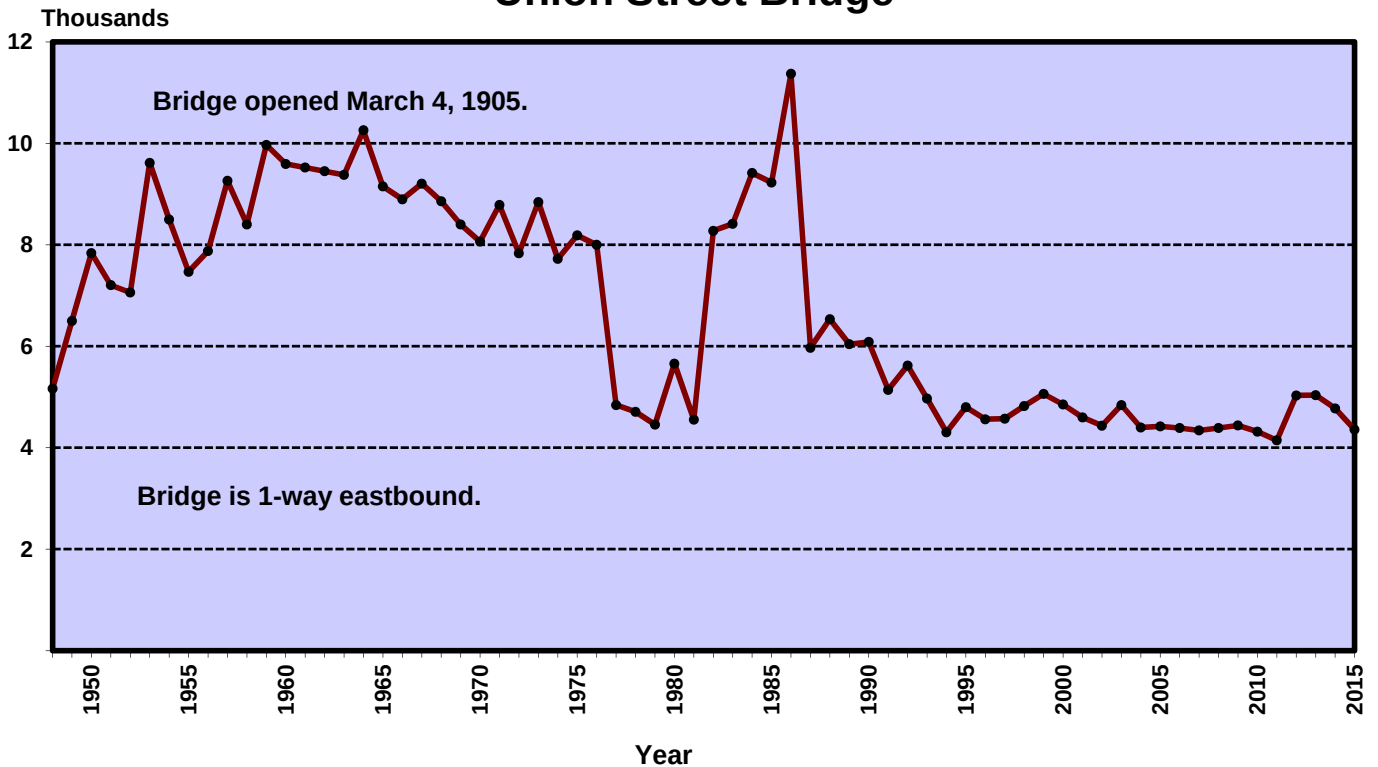
Based on October 2015 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Union Street Bridge ~ 2015



Average Daily Traffic Volumes Union Street Bridge



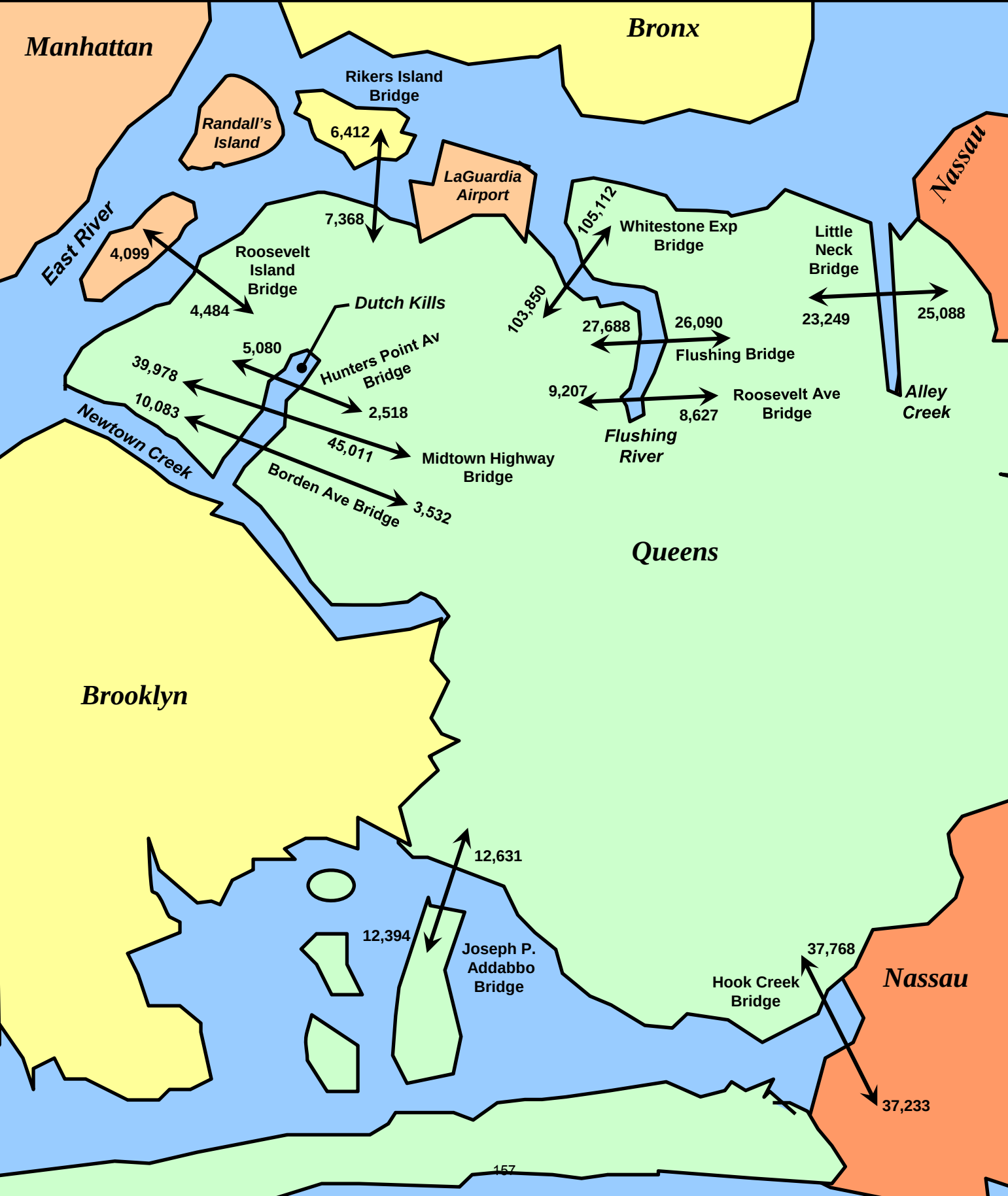
Queens Bridges



Joseph P. Addabbo Memorial Bridge

QUEENS BRIDGES

2015 Daily Volumes



**Queens Bridges ~ Average Daily Traffic Volumes
1948 - 2015**

Year	Borden Avenue Bridge	Flushing Bridge	Hook Creek Bridge	Hunters Point Bridge	Joseph P. Addabbo Bridge *	Little Neck Bridge
1948	4,846	26,276	9,620	5,500	8,521	22,255
1949	11,052	29,949	14,969	9,482	8,855	21,190
1950	6,222	30,836	18,240	6,751	7,361	19,549
1951	5,930	50,918	16,064	6,000	9,868	30,873
1952	6,155	40,589	16,856	5,688	8,952	31,544
1953	7,473	46,952	17,218	6,575	10,941	29,266
1954	5,997	39,837	23,389	7,611	10,661	35,614
1955	6,793	34,201	19,481	2,984	11,315	30,428
1956	7,612	47,985	20,796	6,267	10,216	43,761
1957	7,759	53,836	18,691	7,018	6,192	38,387
1958	7,833	43,075	28,031	5,735	12,763	30,029
1959	9,992	28,616	30,663	7,603	13,453	27,072
1960	9,739	37,833	33,549	7,753	14,923	23,718
1961	9,030	36,383	34,598	7,337	13,165	24,851
1962	8,860	35,370	36,590	7,150	15,900	26,670
1963	9,480	46,210	37,450	7,170	19,730	30,040
1964	16,530	40,220	38,620	5,110	18,020	27,980
1965	8,026	40,484	35,185	6,652	20,629	33,504
1966	9,461	42,613	38,742	6,882	18,890	33,383
1967	9,348	32,479	38,995	6,206	17,748	37,097
1968	8,761	38,664	44,000	6,601	18,258	36,281
1969	11,083	47,945	51,067	7,073	18,957	38,901
1970	10,318	47,311	44,588	6,544	20,937	42,606
1971	11,721	48,238	44,185	7,072	22,426	44,528
1972	11,201	50,499	45,365	6,825	20,342	38,604
1973	11,276	54,597	50,681	8,515	17,885	44,193
1974	12,272	48,909	53,120	5,899	19,541	39,506
1975	17,135	53,431	48,089	Closed	18,971	37,741
1976	17,883	47,569	55,722	Closed	15,231	39,382
1977	17,072	49,420	44,370	Closed	16,228	43,122
1978	16,769	48,491	47,286	Closed	18,456	42,052
1979	16,055	35,518	52,650	Closed	19,004	46,197
1980	15,068	48,856	45,169	Closed	19,156	38,735
1981	18,630	42,040	50,566	Closed	15,931	41,135
1982	21,793	54,661	52,193	Closed	15,931	41,470
1983	22,123	51,237	54,087	Closed	15,392	44,436
1984	18,724	54,323	50,681	4,044	16,323	47,623
1985	18,723	64,382	50,458	4,755	21,619	42,737
1986	14,714	64,371	56,735	5,870	18,480	44,125
1987	15,067	62,811	57,634	5,938	16,620	45,069
1988	14,907	62,956	61,083	6,549	17,032	43,826
1989	14,698	61,756	63,406	6,746	17,242	36,085
1990	18,430	61,248	57,660	10,849	18,115	28,746
1991	16,122	58,189	57,442	10,279	19,267	42,895
1992	13,146	61,306	64,502	10,997	19,666	48,388
1993	15,074	54,005	60,517	8,138	17,699	48,906
1994	14,412	58,837	64,545	6,804	16,516	48,314
1995	14,074	59,543	66,517	7,594	17,388	50,034
1996	16,661	61,211	66,151	7,781	17,519	49,640
1997	14,293	59,792	63,618	7,275	18,991	51,718
1998	15,182	60,864	66,123	7,024	19,114	52,876
1999	14,156	63,348	70,555	8,509	19,337	52,846
2000	15,063	66,243	74,130	8,475	20,673	49,504
2001	15,780	62,364	72,027	8,261	20,785	53,423
2002	15,788	64,301	69,963	7,822	22,779	58,529
2003	16,035	62,644	72,562	7,412	23,958	60,033
2004	15,765	61,685	73,932	6,885	21,855	54,165
2005	16,362	62,692	73,344	7,390	24,035	52,475
2006	16,157	61,143	73,767	7,262	23,254	48,345
2007	15,747	57,437	77,759	7,705	24,433	48,208
2008	15,002	56,179	75,460	7,165	22,346	45,405
2009	Closed	54,941	75,108	16,467	24,237	47,695
2010	Closed	54,690	74,064	15,792	23,882	49,731
2011	8,696	52,173	74,717	8,722	21,636	45,345
2012	13,396	54,518	76,023	8,116	23,612	47,735
2013	12,265	55,690	77,868	8,026	26,630	47,945
2014	13,274	52,437	73,993	7,960	24,854	47,825
2015	13,615	53,778	75,001	7,598	25,025	48,337

* North Channel Bridge.

**Queens Bridges (cont'd) ~ Average Daily Traffic Volumes
1948 - 2015**

<i>Year</i>	<i>Midtown Highway Bridge</i>	<i>Rikers Island Bridge</i>	<i>Roosevelt Avenue Bridge</i>	<i>Roosevelt Island Bridge</i>	<i>Whitestone Expressway Bridge</i>	<i>Totals</i>
1948	28,754	<i>Bridge opened 11/22/1966</i>	14,044	<i>Bridge opened 05/18/1955</i>	27,290	147,106
1949	27,963		18,907		31,558	173,925
1950	32,429		20,451		38,771	180,610
1951	31,812		9,330		39,368	200,163
1952	35,088		23,596		44,219	212,687
1953	34,513		20,473		47,455	220,866
1954	30,495		18,007		50,089	221,700
1955	39,650		20,123	2,144	51,577	218,696
1956	49,944		17,987	2,689	57,982	265,239
1957	47,481		20,984	2,157	58,606	261,111
1958	45,593		19,653	3,137	60,687	256,536
1959	55,665		29,616	2,760	58,761	264,201
1960	62,051		18,153	3,014	48,615	259,348
1961	62,520		21,475	2,947	53,542	265,848
1962	57,600		24,440	3,220	41,340	257,140
1963	57,770		29,500	3,220	47,620	288,190
1964	60,610		18,110	3,440	83,450	312,090
1965	60,973		20,143	3,791	81,201	310,588
1966	68,752		18,728	4,133	71,795	313,379
1967	72,962	1,973	21,493	5,973	110,363	354,637
1968	69,058	2,809	21,352	4,987	136,741	387,512
1969	62,712	2,983	19,588	4,675	122,162	387,146
1970	84,844	3,543	21,656	6,201	111,833	400,381
1971	75,706	3,594	21,587	6,182	117,614	402,853
1972	65,481	3,680	20,754	7,007	118,050	387,808
1973	73,292	4,850	20,910	7,944	113,395	407,538
1974	68,127	4,794	19,545	8,656	123,204	403,573
1975	67,933	4,784	19,256	6,417	116,750	390,507
1976	64,438	4,891	17,351	7,031	118,164	387,662
1977	60,501	4,423	18,776	7,809	125,682	387,403
1978	85,223	4,728	19,058	6,851	121,123	410,037
1979	70,893	5,491	19,980	6,838	121,123	393,749
1980	74,334	6,066	19,090	7,501	110,606	384,581
1981	100,182	6,085	17,911	8,383	132,023	432,886
1982	100,182	6,946	16,944	8,064	120,944	439,128
1983	88,132	7,807	15,051	8,940	139,721	446,926
1984	89,000	9,487	20,292	8,787	129,834	449,118
1985	73,315	6,019	25,548	8,190	134,650	450,396
1986	71,938	8,056	23,219	9,199	139,464	456,171
1987	70,079	12,386	19,567	8,754	153,040	466,965
1988	71,761	12,070	22,567	10,207	150,777	473,735
1989	65,160	11,493	24,440	9,501	151,292	461,819
1990	66,269	11,195	23,285	9,275	145,247	450,319
1991	74,328	12,491	23,466	10,236	141,824	466,539
1992	72,144	15,579	23,687	9,751	145,669	484,835
1993	64,368	14,206	28,012	9,830	146,440	467,195
1994	66,633	12,494	24,631	9,638	155,969	478,793
1995	67,810	12,213	22,758	9,382	147,029	474,342
1996	69,394	11,906	22,543	9,489	163,578	495,873
1997	69,273	12,461	24,566	9,302	172,034	503,323
1998	70,486	15,672	22,994	10,048	182,516	522,899
1999	72,749	14,240	23,784	9,491	192,099	541,114
2000	79,662	13,150	22,749	9,198	192,482	551,329
2001	82,431	14,503	22,856	9,655	189,031	551,116
2002	81,392	13,447	22,235	9,444	188,758	554,458
2003	84,243	16,966	20,281	9,203	188,770	562,107
2004	82,732	14,979	19,652	9,100	188,869	549,619
2005	89,559	13,811	19,360	9,929	191,563	560,520
2006	83,379	13,146	19,420	9,685	197,084	552,642
2007	85,997	13,496	18,975	9,895	202,410	562,062
2008	84,769	15,621	18,859	10,161	193,122	544,089
2009	84,048	15,436	17,168	9,454	198,124	542,678
2010	87,692	13,186	17,268	9,800	192,092	538,197
2011	84,148	12,580	16,084	9,103	199,803	533,007
2012	88,184	12,265	17,439	9,516	204,909	555,713
2013	87,827	14,065	17,994	9,550	205,790	563,650
2014	87,878	13,578	16,352	8,212	204,401	550,764
2015	84,989	13,780	17,834	8,583	208,962	557,502

Hourly Vehicular Volumes

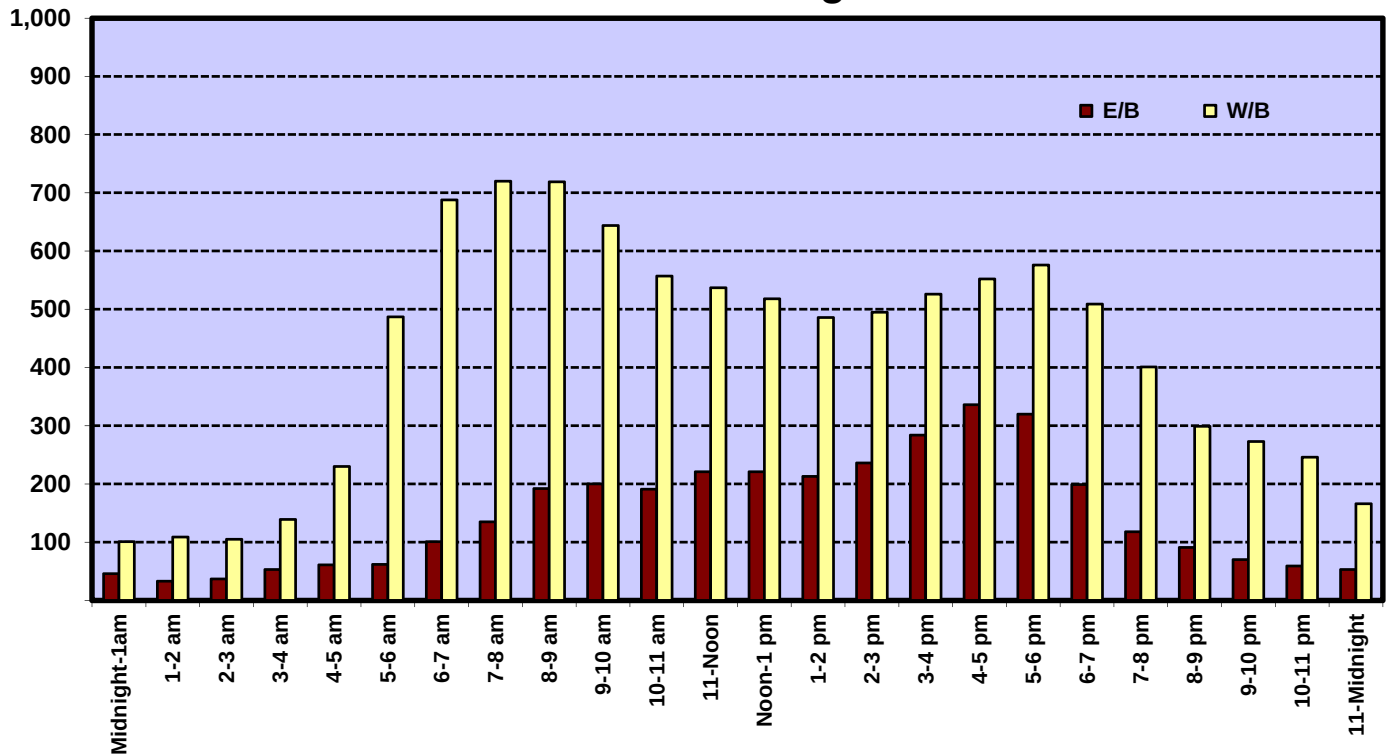
Borden Avenue Bridge - 2015

	Eastbound						Westbound						2-Way Totals	
	Autos	Commuter		Commercial		Totals	Autos	Buses	Commuter		Commercial			Totals
		Buses	Vans	Trucks	Vans				Trucks	Vans	Trucks			
12-1am	---	---	---	---	---	46	---	---	---	---	---	---	101	
1-2am	---	---	---	---	---	33	---	---	---	---	---	---	109	
2-3am	---	---	---	---	---	37	---	---	---	---	---	---	105	
3-4am	---	---	---	---	---	53	---	---	---	---	---	---	139	
4-5am	---	---	---	---	---	61	---	---	---	---	---	---	230	
5-6am	---	---	---	---	---	62	---	---	---	---	---	---	487	
6-7am	---	---	---	---	---	101	---	---	---	---	---	---	688	
7-8am	74	5	3	35	18	135	550	11	21	68	70	720	**	
8-9am	93	5	5	60	29	192	618	7	9	59	26	719		
9-10am	95	6	2	62	35	200	499	4	9	81	51	644		
10-11am	132	3	6	35	15	191	488	8	4	43	14	557		
11-12am	104	3	3	77	34	221	372	7	8	109	41	537		
12-1pm	168	4	3	30	16	221	440	5	4	53	16	518		
1-2pm	161	2	2	33	15	213	391	5	4	53	33	486		
2-3pm	118	2	16	68	32	236	351	10	8	94	32	495		
3-4pm	239	3	8	25	9	284	435	34	4	36	17	526		
4-5pm	255	6	17	33	25	336	413	37	10	72	20	552		
5-6pm	256	3	8	36	17	320	494	22	8	28	24	576		
6-7pm	143	1	10	27	18	199	425	17	12	34	21	509		
7-8pm	---	---	---	---	---	118	---	---	---	---	---	401		
8-9pm	---	---	---	---	---	91	---	---	---	---	---	299		
9-10pm	---	---	---	---	---	70	---	---	---	---	---	273		
10-11pm	---	---	---	---	---	59	---	---	---	---	---	246		
11-12pm	---	---	---	---	---	53	---	---	---	---	---	166		
Totals	---	---	---	---	---	3,532	---	---	---	---	---	10,083		
7-10am	262	16	10	157	82	527	1,667	22	39	208	147	2,083		
10am-1pm	404	10	12	142	65	633	1,300	20	16	205	71	1,612		
1-4pm	518	7	26	126	56	733	1,177	49	16	183	82	1,507		
4-7pm	654	10	35	96	60	855	1,332	76	30	134	65	1,637		
7am-7pm	1,838	43	83	521	263	2,748	5,476	167	101	730	365	6,839		
6-10am						628						2,771		
3-7pm	893	13	43	121	69	1,139	1,767	110	34	170	82	2,163		
6am-7pm						2,849						7,527		

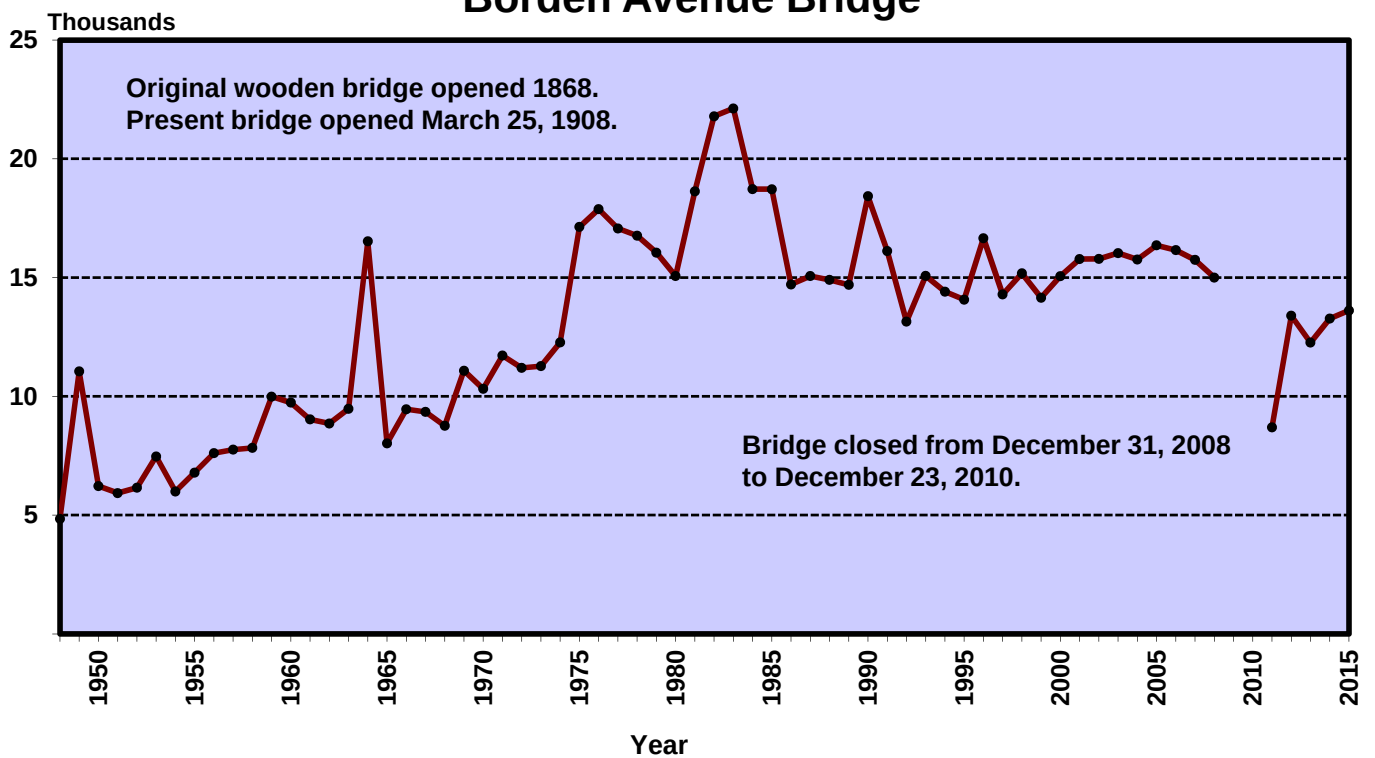
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Borden Avenue Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Borden Avenue Bridge



Hourly Vehicular Volumes

Flushing Bridge - 2015

Eastbound

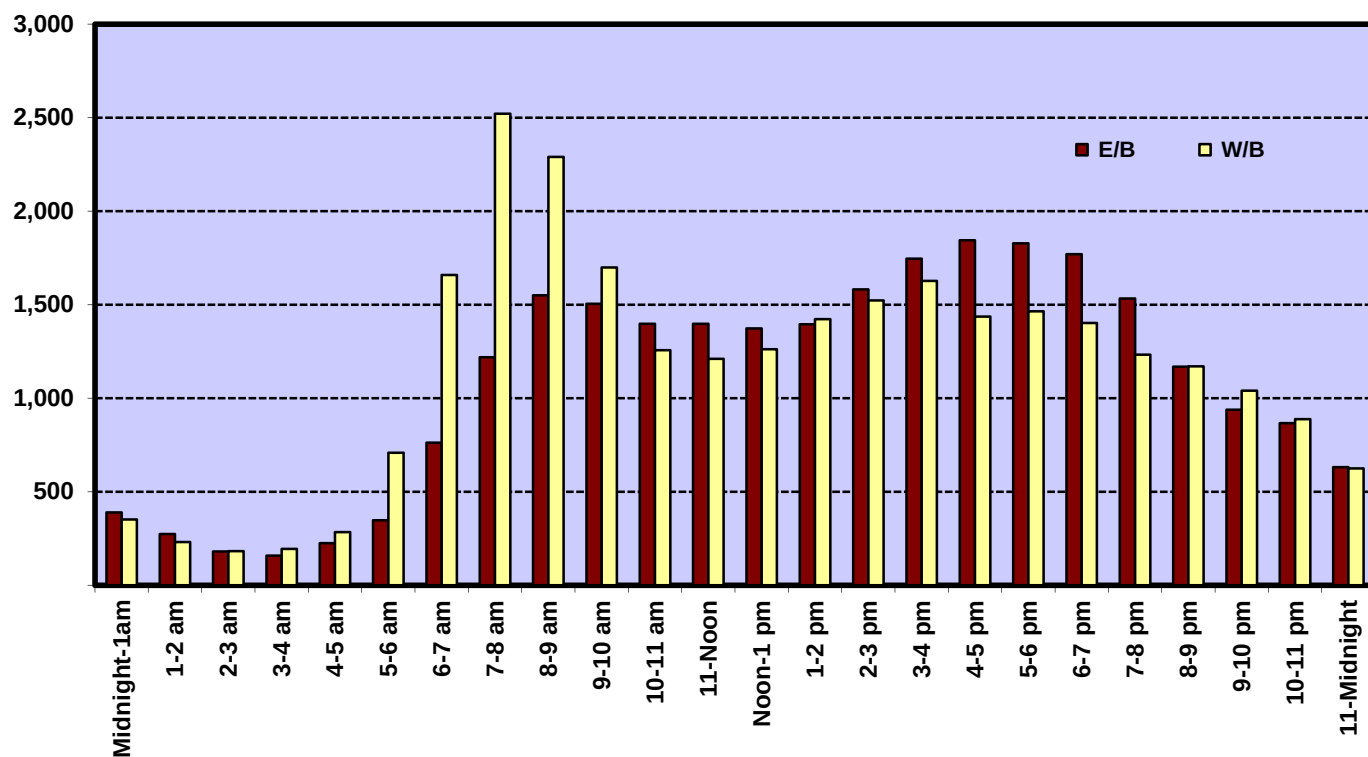
Westbound

FHWA Classes ▲	Eastbound							Westbound							2-way Grand Totals
	Autos, Motorcycles SUVs, Family Vans	Taxis, Liveries, Limos	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	Autos, Motorcycles SUVs, Family Vans	Taxis, Liveries, Limos	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		
12-1am	340	30	10	2	8	0	390	312	20	11	5	2	2	352	742
1-2am	221	30	8	5	10	0	274	210	5	4	6	5	1	231	505
2-3am	133	28	9	3	4	4	181	147	21	6	4	4	1	183	364
3-4am	110	22	10	4	10	3	159	149	17	6	9	8	6	195	354
4-5am	170	29	8	11	2	5	225	231	32	10	5	1	5	284	509
5-6am	270	22	18	12	22	4	348	583	60	27	18	4	17	709	1,057
6-7am	659	24	14	33	24	9	763	1,317	104	79	93	30	36	1,659	2,422
7-8am	1,060	29	26	42	48	14	1,219	2,056	99	109	82	135	40	2,521	3,740
8-9am	1,286	74	66	45	51	28	1,550	1,861	79	130	44	149	27	2,290	3,840
9-10am	1,205	81	87	33	70	29	1,505	1,292	107	86	31	153	30	1,699	3,204
10-11am	1,094	84	90	38	71	21	1,398	956	55	100	28	103	15	1,257	2,655
11-12am	1,092	62	52	30	135	27	1,398	895	60	144	20	77	15	1,211	2,609
12-1pm	1,093	74	56	24	102	24	1,373	957	81	118	18	70	18	1,262	2,635
1-2pm	1,080	79	42	24	144	27	1,396	1,104	72	106	19	108	14	1,423	2,819
2-3pm	1,249	80	46	69	129	9	1,582	1,249	71	112	22	67	2	1,523	3,105
3-4pm	1,390	135	78	61	74	8	1,746	1,291	79	120	57	70	10	1,627	3,373
4-5pm	1,525	86	89	42	96	7	1,845	1,133	109	102	33	54	6	1,437	3,282
5-6pm	1,573	74	84	29	61	7	1,828	1,262	79	70	11	43	0	1,465	3,293
6-7pm	1,550	52	66	36	62	4	1,770	1,245	27	58	23	49	0	1,402	3,172
7-8pm	1,382	20	72	36	22	1	1,533	1,119	20	38	25	31	0	1,233	2,766
8-9pm	1,067	28	49	10	14	1	1,169	1,085	33	18	22	12	1	1,171	2,340
9-10pm	873	17	16	10	22	1	939	989	24	10	12	6	0	1,041	1,980
10-11pm	779	22	31	9	23	3	867	831	28	8	14	7	0	888	1,755
11-12pm	576	30	15	5	6	0	632	566	32	11	8	7	1	625	1,257
Totals	21,777	1,212	1,042	613	1,210	236	26,090	22,840	1,314	1,483	609	1,195	247	27,688	53,778
7-10am	3,551	184	179	120	169	71	4,274	5,209	285	325	157	437	97	6,510	10,784
10am-1pm	3,279	220	198	92	308	72	4,169	2,808	196	362	66	250	48	3,730	7,899
1-4pm	3,719	294	166	154	347	44	4,724	3,644	222	338	98	245	26	4,573	9,297
4-7pm	4,648	212	239	107	219	18	5,443	3,640	215	230	67	146	6	4,304	9,747
7am-7pm	15,197	910	782	473	1,043	205	18,610	15,301	918	1,255	388	1,078	177	19,117	37,727
6-10am	4,210	208	193	153	193	80	5,037	6,526	389	404	250	467	133	8,169	13,206
3-7pm	6,038	347	317	168	293	26	7,189	4,931	294	350	124	216	16	5,931	13,120
6am-7pm	15,856	934	796	506	1,067	214	19,373	16,618	1,022	1,334	481	1,108	213	20,776	40,149

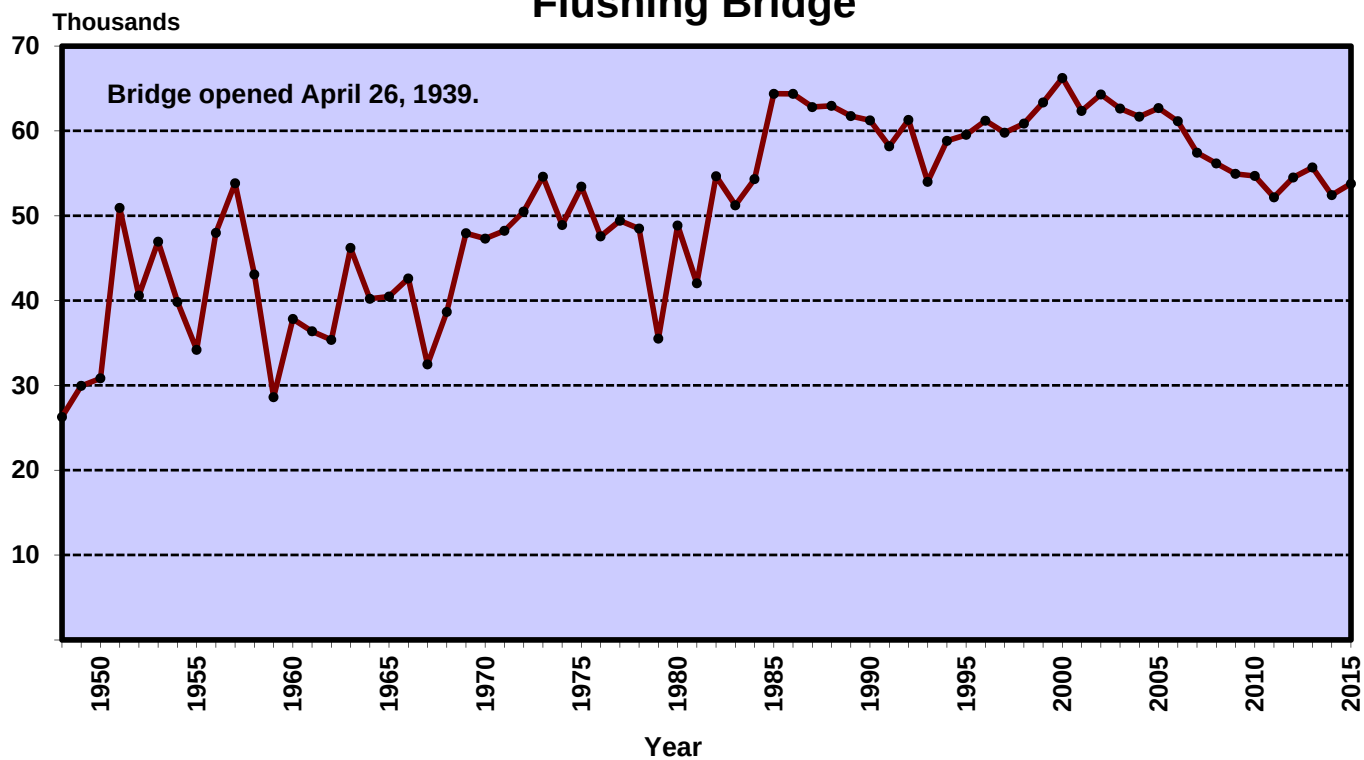
Based on November 2014 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Flushing Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Flushing Bridge



Hourly Vehicular Volumes

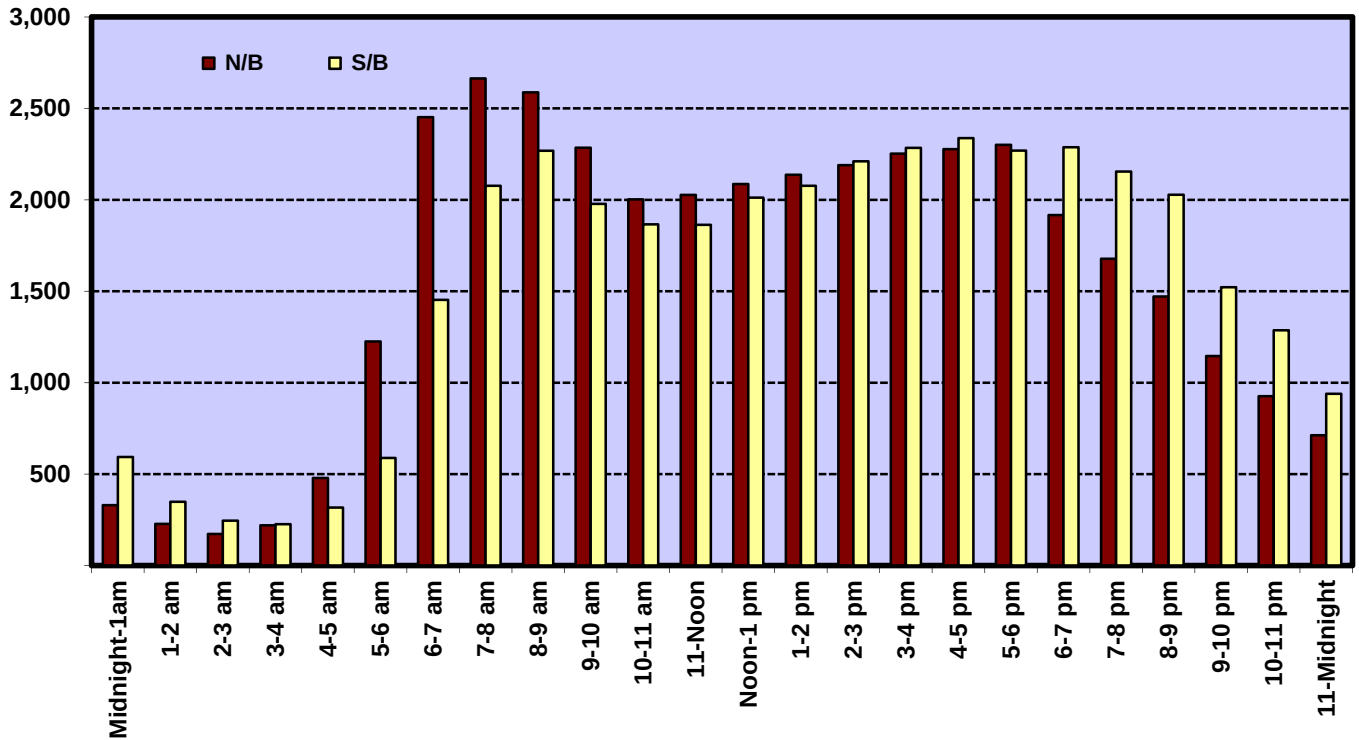
Hook Creek Bridge - 2015

Northbound							Southbound							2-Way Totals	
	Commuter			Commercial			Totals	Autos	Buses	Commuter		Commercial		Totals	
	Buses	Vans	Trucks	Buses	Vans	Trucks				Vans	Trucks				
12-1am	---	---	---	---	---	---	330	---	---	---	---	---	---	594	924
1-2am	---	---	---	---	---	---	228	---	---	---	---	---	---	349	577
2-3am	---	---	---	---	---	---	173	---	---	---	---	---	---	245	418
3-4am	---	---	---	---	---	---	220	---	---	---	---	---	---	226	446
4-5am	---	---	---	---	---	---	479	---	---	---	---	---	---	317	796
5-6am	---	---	---	---	---	---	1,225	---	---	---	---	---	---	588	1,813
6-7am	---	---	---	---	---	---	2,452	---	---	---	---	---	---	1,453	3,905
7-8am	2,467	18	60	76	43	2,664 **	2,664	1,652	15	150	150	110	110	2,077	4,741
8-9am	2,291	18	85	123	71	2,588	2,588	1,859	10	141	164	94	94	2,268	4,856 **
9-10am	1,983	7	69	152	74	2,285	2,285	1,669	7	83	133	86	86	1,978	4,263
10-11am	1,888	2	14	53	45	2,002	2,002	1,742	2	12	60	50	50	1,866	3,868
11-12am	1,693	10	45	191	88	2,027	2,027	1,656	2	14	106	85	85	1,863	3,890
12-1pm	1,968	9	27	61	21	2,086	2,086	1,928	0	12	45	27	27	2,012	4,098
1-2pm	1,950	14	44	75	54	2,137	2,137	1,830	6	64	125	52	52	2,077	4,214
2-3pm	1,961	17	48	86	78	2,190	2,190	2,002	3	33	94	79	79	2,211	4,401
3-4pm	2,164	35	11	27	16	2,253	2,253	2,188	3	18	35	40	40	2,284	4,537
4-5pm	2,158	11	27	46	35	2,277	2,277	2,186	3	38	51	59	59	2,337 **	4,614
5-6pm	2,122	12	40	41	86	2,301	2,301	2,113	6	50	35	65	65	2,269	4,570
6-7pm	1,824	11	41	23	18	1,917	1,917	2,184	4	45	32	23	23	2,288	4,205
7-8pm	---	---	---	---	---	1,678	1,678	---	---	---	---	---	---	2,155	3,833
8-9pm	---	---	---	---	---	1,471	1,471	---	---	---	---	---	---	2,028	3,499
9-10pm	---	---	---	---	---	1,146	1,146	---	---	---	---	---	---	1,522	2,668
10-11pm	---	---	---	---	---	926	926	---	---	---	---	---	---	1,287	2,213
11-12pm	---	---	---	---	---	713	713	---	---	---	---	---	---	939	1,652
Totals	---	---	---	---	---	37,768	37,768	---	---	---	---	---	---	37,233	75,001
7-10am	6,741	43	214	351	188	7,537	7,537	5,180	32	374	447	290	290	6,323	13,860
10am-1pm	5,549	21	86	305	154	6,115	6,115	5,326	4	38	211	162	162	5,741	11,856
1-4pm	6,075	66	103	188	148	6,580	6,580	6,020	12	115	254	171	171	6,572	13,152
4-7pm	6,104	34	108	110	139	6,495	6,495	6,483	13	133	118	147	147	6,894	13,389
7am-7pm	24,469	164	511	954	629	26,727	26,727	23,009	61	660	1,030	770	770	25,530	52,257
6-10am	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	8,268	69	119	137	155	9,989	9,989	8,671	16	151	153	187	187	7,776	17,765
6am-7pm	---	---	---	---	---	8,748	8,748	---	---	---	---	---	---	9,178	17,926
	---	---	---	---	---	29,179	29,179	---	---	---	---	---	---	26,983	56,162

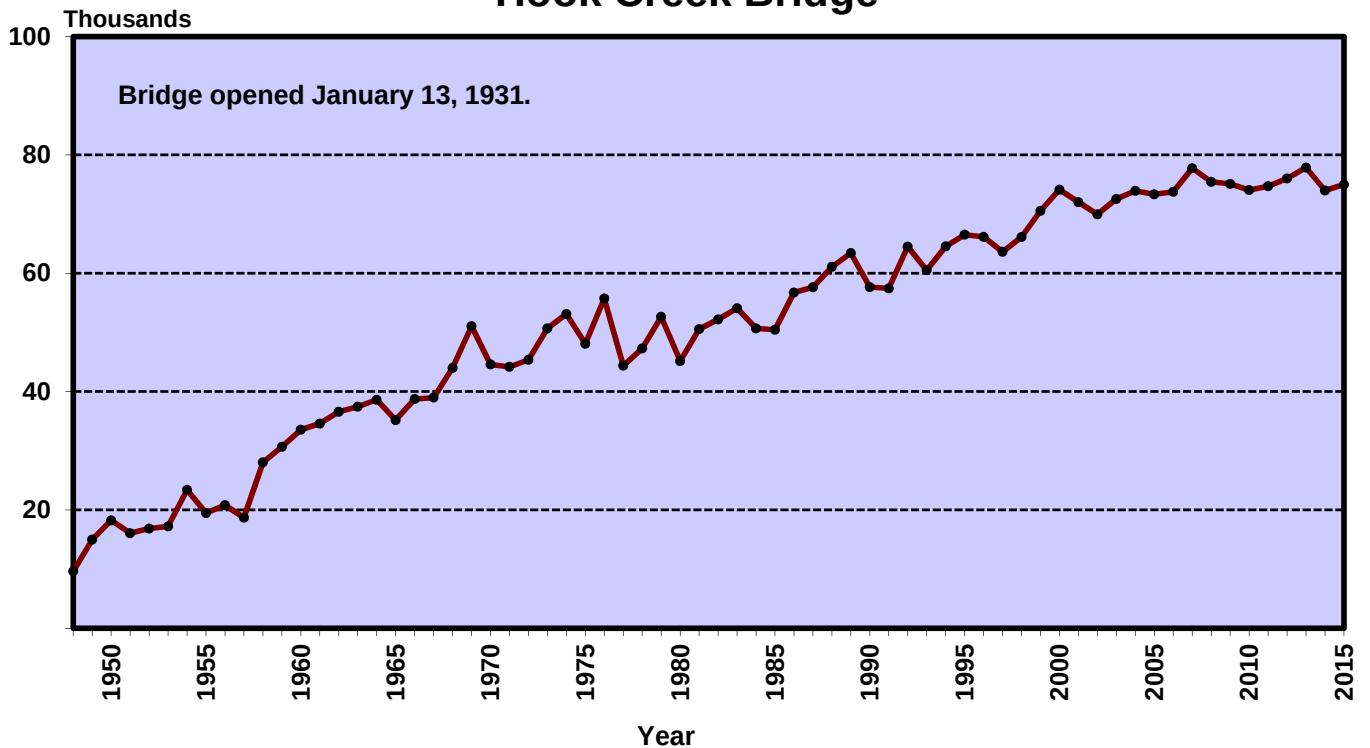
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hook Creek Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Hook Creek Bridge



Hourly Vehicular Volumes

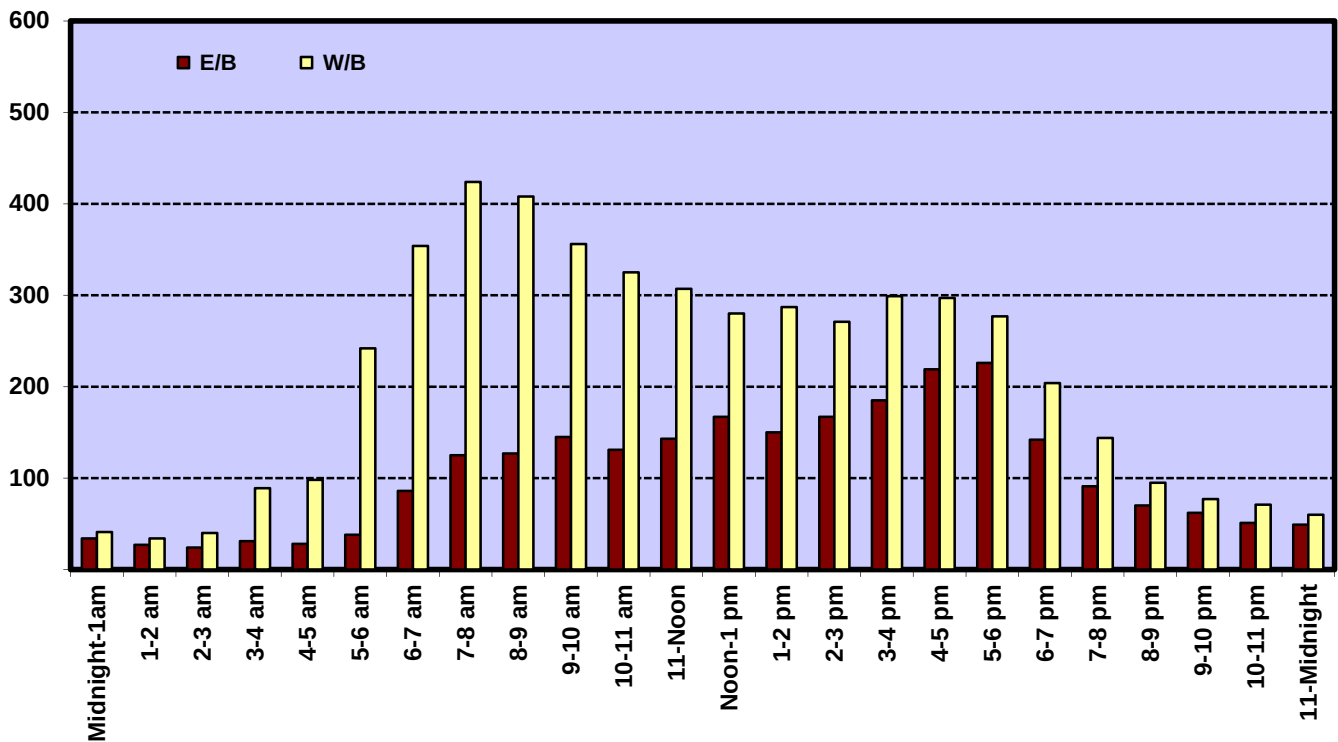
Hunters Point Bridge - 2015

Eastbound							Westbound							2-Way Totals
Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals			
12-1am	---	---	---	---	34	---	---	---	---	---	41	75		
1-2am	---	---	---	---	27	---	---	---	---	---	34	61		
2-3am	---	---	---	---	24	---	---	---	---	---	40	64		
3-4am	---	---	---	---	31	---	---	---	---	---	89	120		
4-5am	---	---	---	---	28	---	---	---	---	---	98	126		
5-6am	---	---	---	---	38	---	---	---	---	---	242	280		
6-7am	---	---	---	---	86	---	---	---	---	---	354	440		
7-8am	88	0	13	14	10	125	316	1	17	28	62	549 **		
8-9am	72	0	4	19	32	127	343	0	7	28	30	535		
9-10am	90	0	2	24	29	145	254	0	3	47	52	501		
10-11am	108	0	4	15	4	131	274	0	2	30	19	456		
11-12am	91	1	7	25	19	143	220	0	2	53	32	450		
12-1pm	123	0	6	19	19	167	223	0	2	33	22	447		
1-2pm	108	0	8	16	18	150	229	3	3	25	27	437		
2-3pm	99	0	14	27	27	167	195	9	2	33	32	438		
3-4pm	155	0	7	17	6	185	281	4	1	9	4	484		
4-5pm	159	0	12	17	31	219	208	44	2	11	32	516		
5-6pm	192	0	11	2	21	226 **	229	12	1	17	18	503		
6-7pm	119	1	2	6	14	142	173	5	3	6	17	346		
7-8pm	---	---	---	---	---	91	---	---	---	---	144	235		
8-9pm	---	---	---	---	---	70	---	---	---	---	95	165		
9-10pm	---	---	---	---	---	62	---	---	---	---	77	139		
10-11pm	---	---	---	---	---	51	---	---	---	---	71	122		
11-12pm	---	---	---	---	---	49	---	---	---	---	60	109		
Totals	---	---	---	---	---	2,518	---	---	---	---	---	7,598		
7-10am	250	0	19	57	71	397	913	1	27	103	144	1,585		
10am-1pm	322	1	17	59	42	441	717	0	6	116	73	1,353		
1-4pm	362	0	29	60	51	502	705	16	6	67	63	1,359		
4-7pm	470	1	25	25	66	587	610	61	6	34	67	1,365		
7am-7pm	1,404	2	90	201	230	1,927	2,945	78	45	320	347	5,662		
6-10am														
3-7pm	625	1	32	42	72	772	891	65	7	43	71	2,025		
6am-7pm						2,013						1,849		
												6,102		

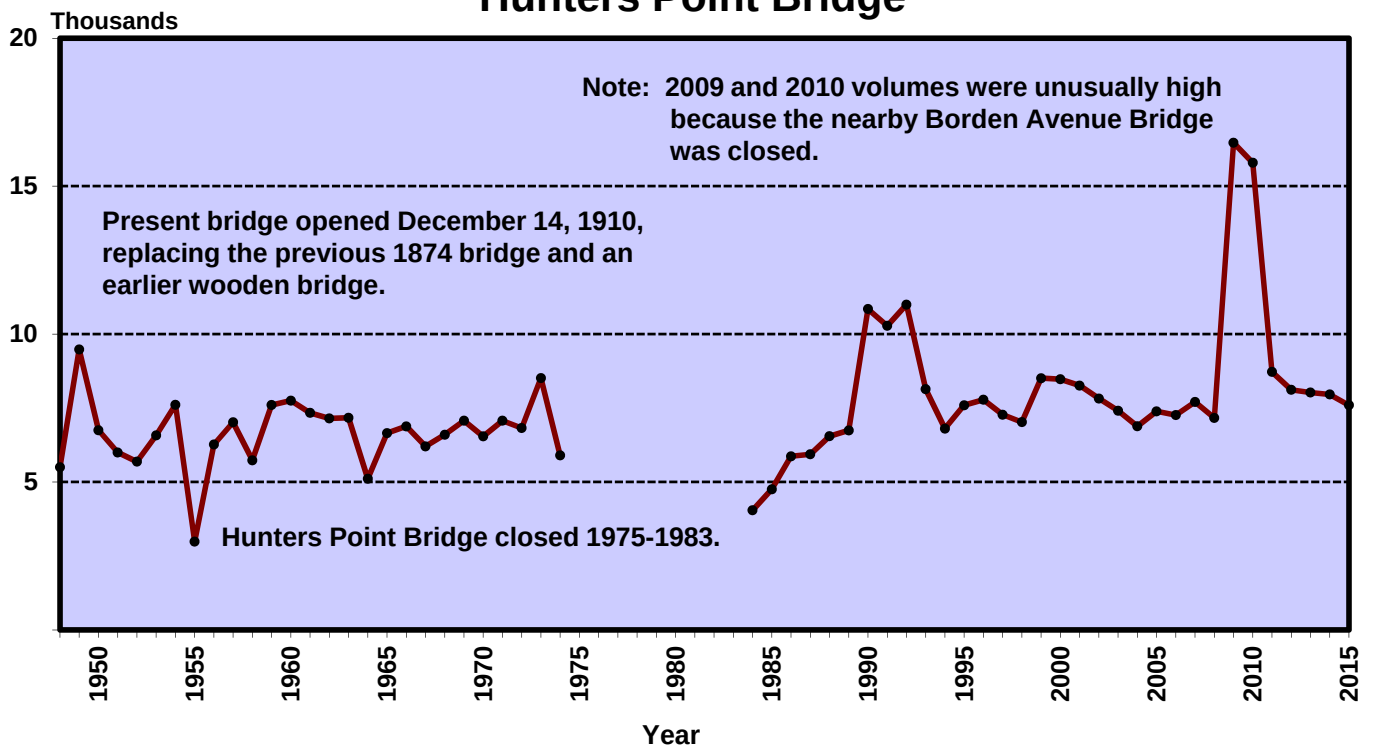
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hunters Point Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Hunters Point Bridge



Hourly Vehicular Volumes

Joseph P. Addabbo Memorial Bridge - 2015

(North Channel Bridge)

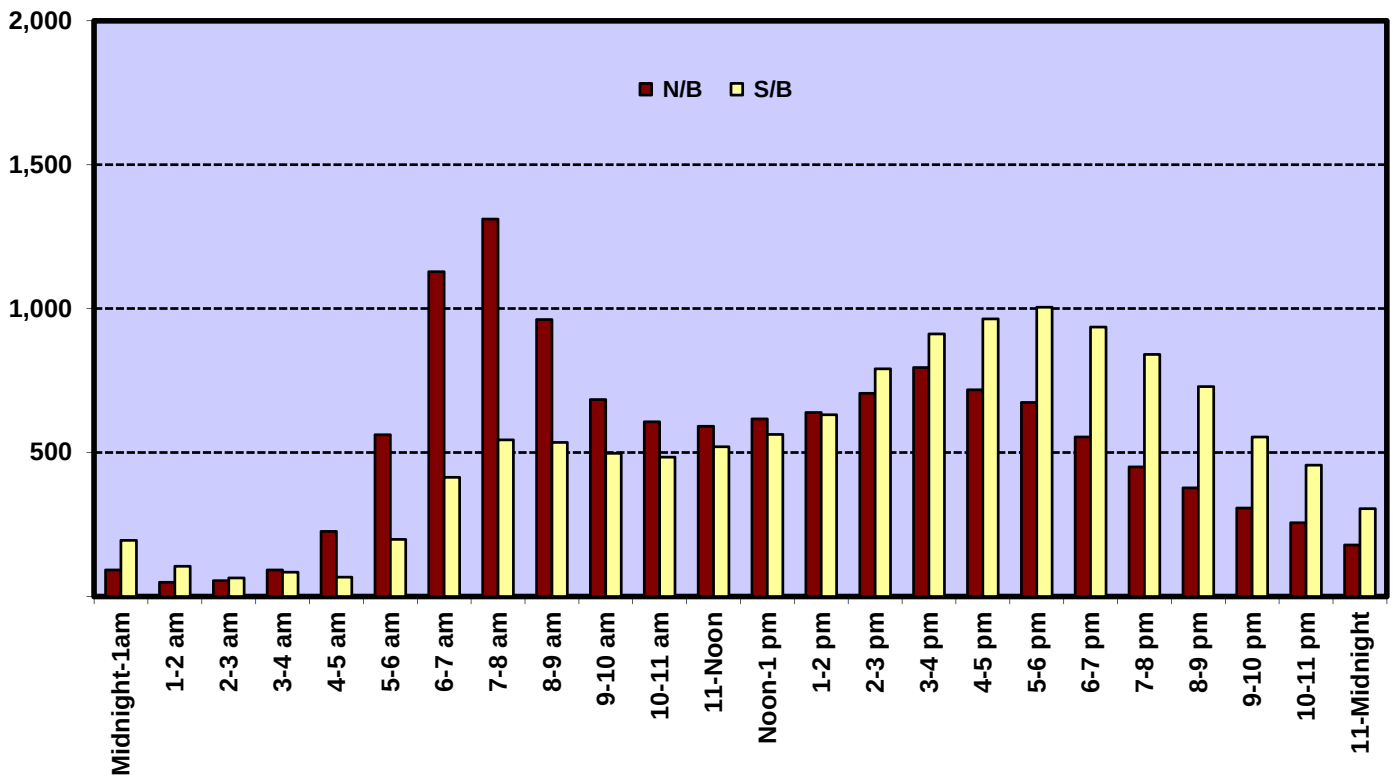
	Northbound					Totals	Southbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	92	---	---	---	---	---	195
1-2am	---	---	---	---	---	49	---	---	---	---	---	105
2-3am	---	---	---	---	---	55	---	---	---	---	---	64
3-4am	---	---	---	---	---	92	---	---	---	---	---	84
4-5am	---	---	---	---	---	226	---	---	---	---	---	67
5-6am	---	---	---	---	---	562	---	---	---	---	---	198
6-7am	---	---	---	---	---	1,128	---	---	---	---	---	414
7-8am	1,199	33	20	23	36	1,311	396	27	7	43	71	544
8-9am	813	27	19	39	64	962	395	28	1	44	67	535
9-10am	566	9	7	64	38	684	342	20	4	61	70	497
10-11am	551	11	8	28	9	607	418	13	0	20	33	484
11-12am	471	8	8	57	47	591	379	9	0	55	77	520
12-1pm	533	17	0	35	32	617	504	12	0	19	28	563
1-2pm	594	4	4	20	17	639	576	7	0	16	32	631
2-3pm	580	21	11	51	43	706	632	32	5	32	90	791
3-4pm	715	24	11	22	23	795	797	26	0	26	63	912
4-5pm	597	32	13	44	32	718	818	11	3	33	99	964
5-6pm	591	10	17	30	26	674	916	7	0	20	62	1,005
6-7pm	466	8	19	24	37	554	842	7	4	11	72	936
7-8pm	---	---	---	---	---	450	---	---	---	---	---	841
8-9pm	---	---	---	---	---	377	---	---	---	---	---	729
9-10pm	---	---	---	---	---	307	---	---	---	---	---	554
10-11pm	---	---	---	---	---	256	---	---	---	---	---	456
11-12pm	---	---	---	---	---	179	---	---	---	---	---	305
Totals	---	---	---	---	---	12,631	---	---	---	---	---	12,394
7-10am	2,578	69	46	126	138	2,957	1,133	75	12	148	208	1,576
10am-1pm	1,555	36	16	120	88	1,815	1,301	34	0	94	138	1,567
1-4pm	1,889	49	26	93	83	2,140	2,005	65	5	74	185	2,334
4-7pm	1,654	50	49	98	95	1,946	2,576	25	7	64	233	2,905
7am-7pm	7,676	204	137	437	404	8,858	7,015	199	24	380	764	8,382
6-10am						4,085						1,990
3-7pm	2,369	74	60	120	118	2,741	3,373	51	7	90	296	3,817
6am-7pm						9,986						8,796
												18,782

	Northbound					Totals	Southbound					2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	92	---	---	---	---	---	195
1-2am	---	---	---	---	---	49	---	---	---	---	---	105
2-3am	---	---	---	---	---	55	---	---	---	---	---	64
3-4am	---	---	---	---	---	92	---	---	---	---	---	84
4-5am	---	---	---	---	---	226	---	---	---	---	---	67
5-6am	---	---	---	---	---	562	---	---	---	---	---	198
6-7am	---	---	---	---	---	1,128	---	---	---	---	---	414
7-8am	1,199	33	20	23	36	1,311	396	27	7	43	71	544
8-9am	813	27	19	39	64	962	395	28	1	44	67	535
9-10am	566	9	7	64	38	684	342	20	4	61	70	497
10-11am	551	11	8	28	9	607	418	13	0	20	33	484
11-12am	471	8	8	57	47	591	379	9	0	55	77	520
12-1pm	533	17	0	35	32	617	504	12	0	19	28	563
1-2pm	594	4	4	20	17	639	576	7	0	16	32	631
2-3pm	580	21	11	51	43	706	632	32	5	32	90	791
3-4pm	715	24	11	22	23	795	797	26	0	26	63	912
4-5pm	597	32	13	44	32	718	818	11	3	33	99	964
5-6pm	591	10	17	30	26	674	916	7	0	20	62	1,005
6-7pm	466	8	19	24	37	554	842	7	4	11	72	936
7-8pm	---	---	---	---	---	450	---	---	---	---	---	841
8-9pm	---	---	---	---	---	377	---	---	---	---	---	729
9-10pm	---	---	---	---	---	307	---	---	---	---	---	554
10-11pm	---	---	---	---	---	256	---	---	---	---	---	456
11-12pm	---	---	---	---	---	179	---	---	---	---	---	305
Totals	---	---	---	---	---	12,631	---	---	---	---	---	25,025
7-10am	2,578	69	46	126	138	2,957	1,133	75	12	148	208	1,576
10am-1pm	1,555	36	16	120	88	1,815	1,301	34	0	94	138	1,567
1-4pm	1,889	49	26	93	83	2,140	2,005	65	5	74	185	2,334
4-7pm	1,654	50	49	98	95	1,946	2,576	25	7	64	233	2,905
7am-7pm	7,676	204	137	437	404	8,858	7,015	199	24	380	764	8,382
6-10am						4,085						1,990
3-7pm	2,369	74	60	120	118	2,741	3,373	51	7	90	296	3,817
6am-7pm						9,986						18,782

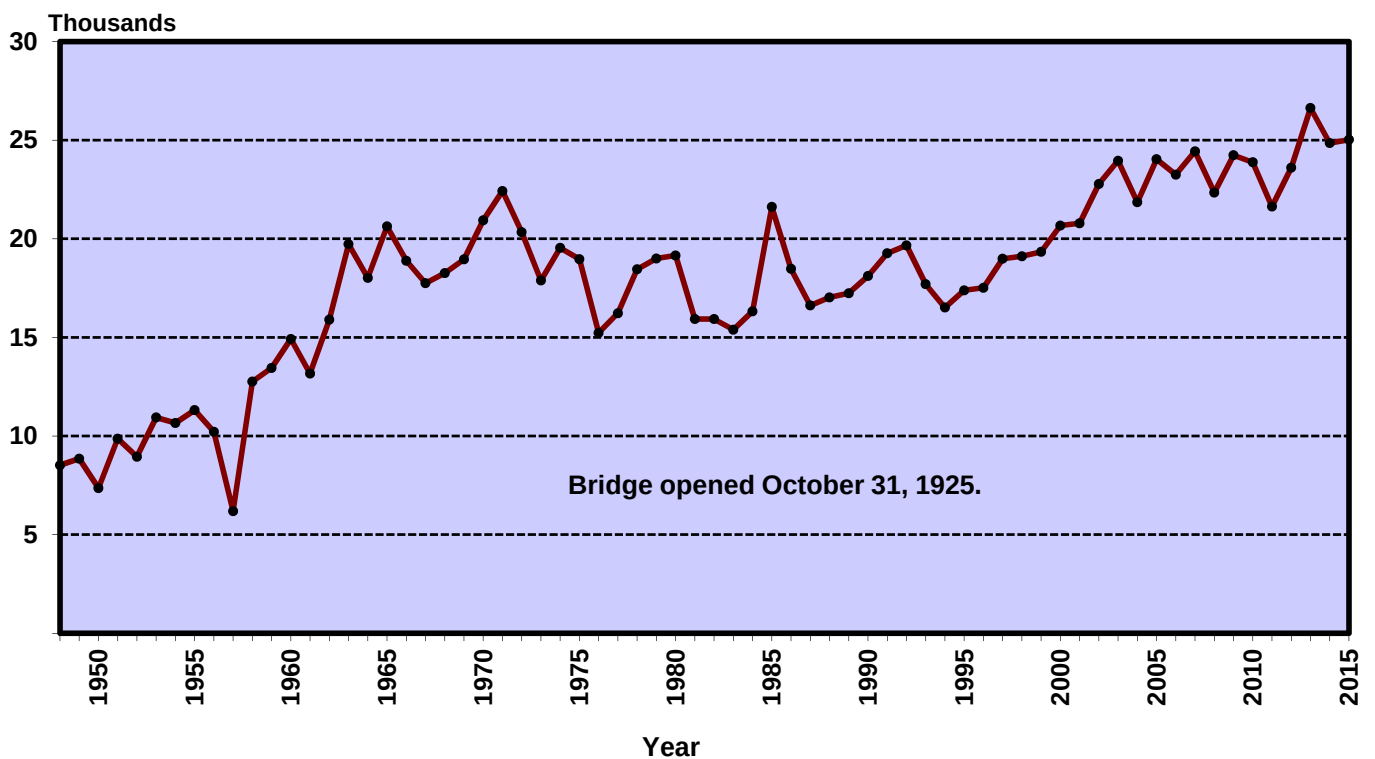
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Joseph P. Addabbo Memorial Bridge ~ 2015



Average Daily Traffic Volumes Joseph P. Addabbo Memorial Bridge ~ Total of Both Directions



Hourly Vehicular Volumes

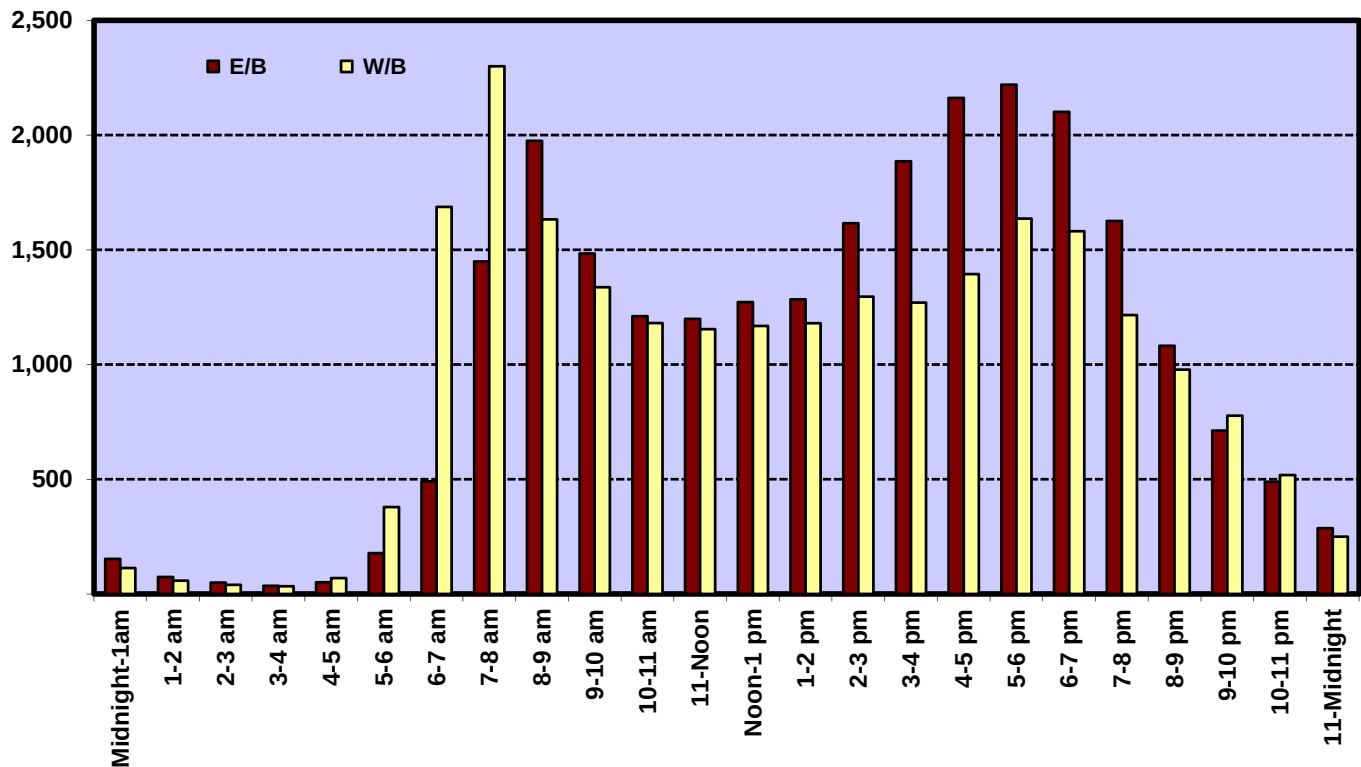
Little Neck Bridge - 2015

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	153	---	---	---	---	---	113
1-2am	---	---	---	---	---	74	---	---	---	---	---	58
2-3am	---	---	---	---	---	50	---	---	---	---	---	40
3-4am	---	---	---	---	---	36	---	---	---	---	---	34
4-5am	---	---	---	---	---	51	---	---	---	---	---	69
5-6am	---	---	---	---	---	178	---	---	---	---	---	379
6-7am	---	---	---	---	---	491	---	---	---	---	---	1,687
7-8am	1,180	38	66	102	63	1,449	2,059	85	7	42	107	2,300 **
8-9am	1,740	27	81	73	54	1,975	1,495	41	2	31	64	1,633
9-10am	1,308	19	59	72	26	1,484	1,228	7	0	35	67	1,337
10-11am	1,104	9	27	43	28	1,211	1,117	10	0	24	30	1,181
11-12am	1,052	12	26	60	49	1,199	1,029	7	0	64	54	1,154
12-1pm	1,196	13	9	42	12	1,272	1,090	10	0	26	42	1,168
1-2pm	1,189	9	21	32	33	1,284	1,125	2	0	21	32	1,180
2-3pm	1,375	17	67	90	67	1,616	1,162	10	0	42	82	1,296
3-4pm	1,781	22	20	40	23	1,886	1,204	9	0	14	43	1,270
4-5pm	1,819	16	83	147	97	2,162	1,252	15	0	37	90	1,394
5-6pm	1,988	22	60	50	100	2,220 **	1,556	12	0	9	59	1,636
6-7pm	1,936	20	59	47	39	2,101	1,511	9	0	6	55	1,581
7-8pm	---	---	---	---	---	1,626	---	---	---	---	---	1,216
8-9pm	---	---	---	---	---	1,082	---	---	---	---	---	978
9-10pm	---	---	---	---	---	712	---	---	---	---	---	777
10-11pm	---	---	---	---	---	489	---	---	---	---	---	518
11-12pm	---	---	---	---	---	287	---	---	---	---	---	250
Totals	---	---	---	---	---	25,088	---	---	---	---	---	23,249
7-10am	4,228	84	206	247	143	4,908	4,782	133	9	108	238	5,270
10am-1pm	3,352	34	62	145	89	3,682	3,236	27	0	114	126	3,503
1-4pm	4,345	48	108	162	123	4,786	3,491	21	0	77	157	3,746
4-7pm	5,743	58	202	244	236	6,483	4,319	36	0	52	204	4,611
7am-7pm	17,668	224	578	798	591	19,859	15,828	217	9	351	725	17,130
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	7,524	80	222	284	259	8,369	5,523	45	0	66	247	6,957
6am-7pm	---	---	---	---	---	20,350	---	---	---	---	---	18,817
											</	

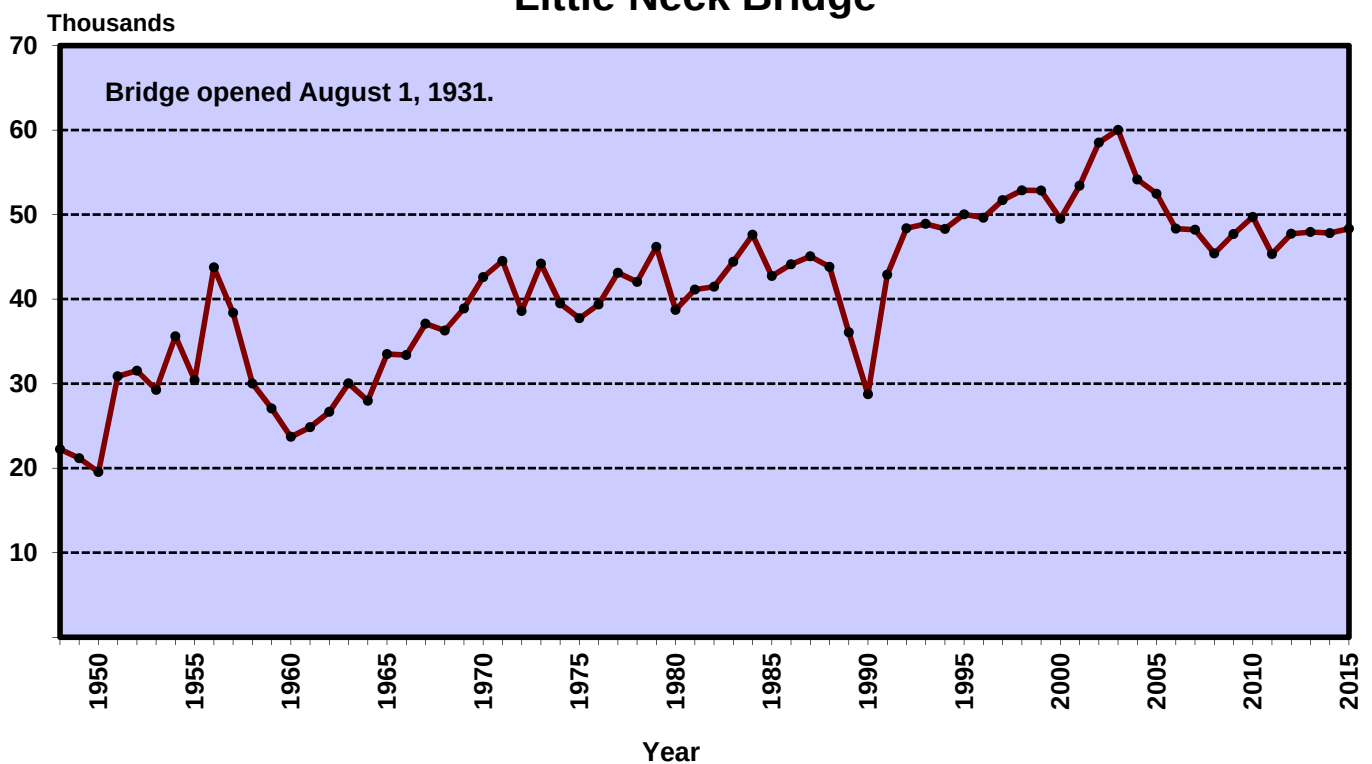
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Little Neck Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Little Neck Bridge



Hourly Vehicular Volumes

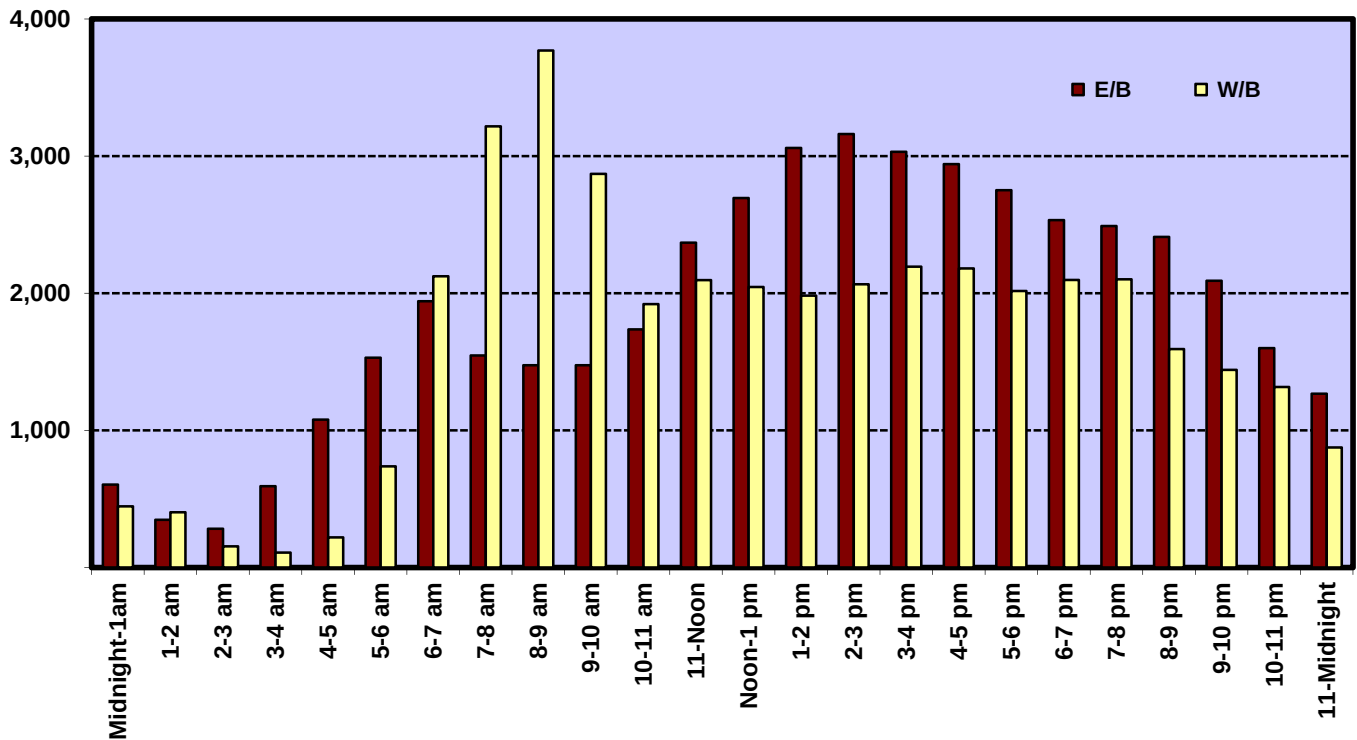
Midtown Highway Bridge - 2015

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	605	---	---	---	---	---	446
1-2am	---	---	---	---	---	348	---	---	---	---	---	403
2-3am	---	---	---	---	---	283	---	---	---	---	---	154
3-4am	---	---	---	---	---	593	---	---	---	---	---	109
4-5am	---	---	---	---	---	1,078	---	---	---	---	---	220
5-6am	---	---	---	---	---	1,530	---	---	---	---	---	738
6-7am	---	---	---	---	---	1,942	---	---	---	---	---	2,124
7-8am	1,263	64	13	124	82	1,546	2,631	144	66	117	259	3,217
8-9am	1,185	96	13	103	78	1,475	3,181	74	73	148	294	3,770
9-10am	1,123	121	10	132	89	1,475	2,310	69	99	162	231	2,871
10-11am	1,563	55	3	50	65	1,736	1,754	22	25	51	69	1,921
11-12am	2,049	56	8	134	122	2,369	1,752	16	97	109	122	2,096
12-1pm	2,434	33	24	98	105	2,694	1,844	8	62	70	62	2,046
1-2pm	2,420	41	89	192	318	3,060	1,580	19	124	134	126	1,983
2-3pm	2,700	16	69	163	213	3,161	1,640	79	98	138	110	2,065
3-4pm	2,800	28	31	53	119	3,031	1,900	74	76	59	85	2,194
4-5pm	2,474	22	71	89	286	2,942	1,667	173	139	47	155	2,181
5-6pm	2,445	21	19	47	219	2,751	1,658	85	95	87	91	2,016
6-7pm	2,310	8	25	54	136	2,533	1,903	29	55	52	58	2,097
7-8pm	---	---	---	---	---	2,490	---	---	---	---	---	2,102
8-9pm	---	---	---	---	---	2,411	---	---	---	---	---	1,593
9-10pm	---	---	---	---	---	2,091	---	---	---	---	---	1,441
10-11pm	---	---	---	---	---	1,600	---	---	---	---	---	1,316
11-12pm	---	---	---	---	---	1,267	---	---	---	---	---	875
Totals	---	---	---	---	---	45,011	---	---	---	---	---	39,978
7-10am	3,571	281	36	359	249	4,496	8,122	287	238	427	784	9,858
10am-1pm	6,046	144	35	282	292	6,799	5,350	46	184	230	253	6,063
1-4pm	7,920	85	189	408	650	9,252	5,120	172	298	331	321	6,242
4-7pm	7,229	51	115	190	641	8,226	5,228	287	289	186	304	6,294
7am-7pm	24,766	561	375	1,239	1,832	28,773	23,820	792	1,009	1,174	1,662	28,457
6-10am	---	---	---	---	---	6,438	---	---	---	---	---	11,982
3-7pm	10,029	79	146	243	760	11,257	7,128	361	365	245	389	8,488
6am-7pm	---	---	---	---	---	30,715	---	---	---	---	---	30,581
Totals	---	---	---	---	---	184,354	---	---	---	---	---	143,354
	---	---	---	---	---	12,862	---	---	---	---	---	12,862
	---	---	---	---	---	15,494	---	---	---	---	---	15,494
	---	---	---	---	---	14,520	---	---	---	---	---	14,520
	---	---	---	---	---	57,230	---	---	---	---	---	57,230
	---	---	---	---	---	18,420	---	---	---	---	---	18,420
	---	---	---	---	---	19,745	---	---	---	---	---	19,745
	---	---	---	---	---	61,296	---	---	---	---	---	61,296

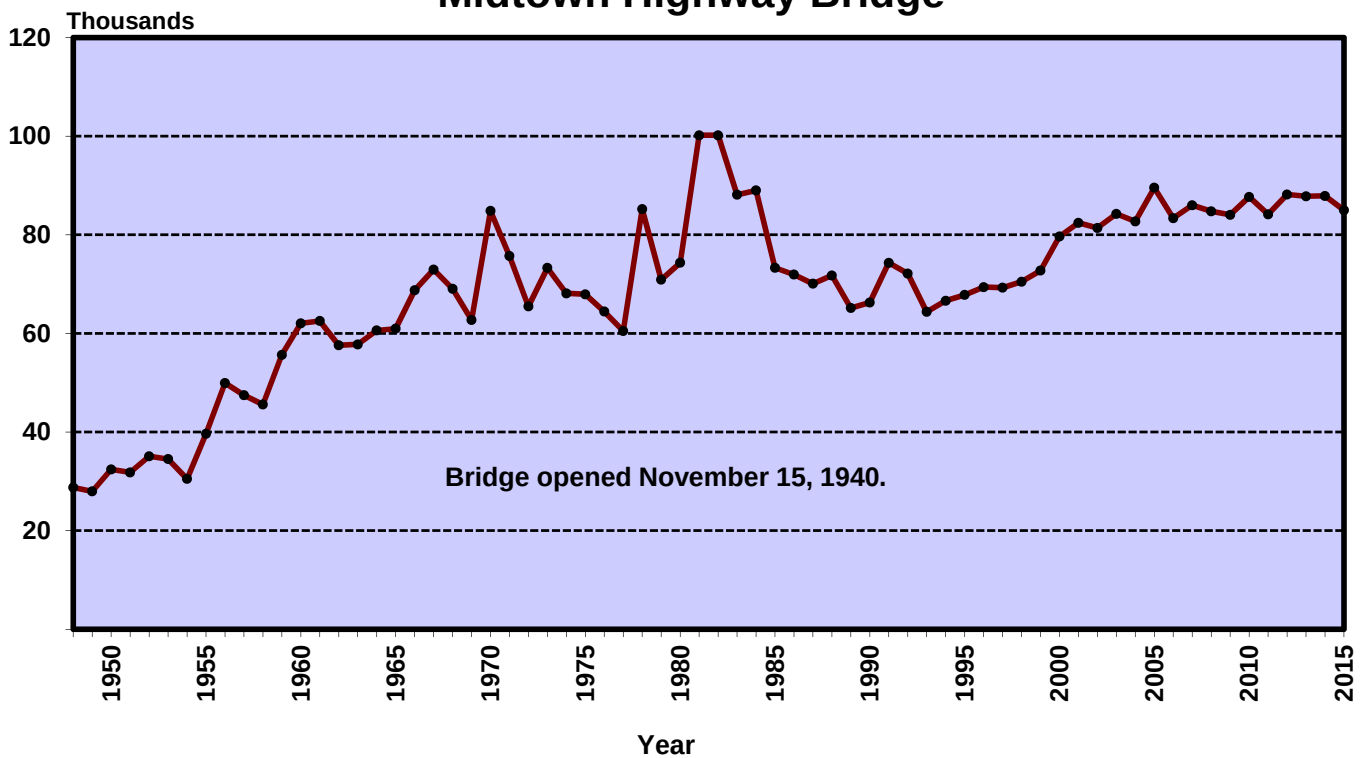
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Midtown Highway Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Midtown Highway Bridge



Hourly Vehicular Volumes

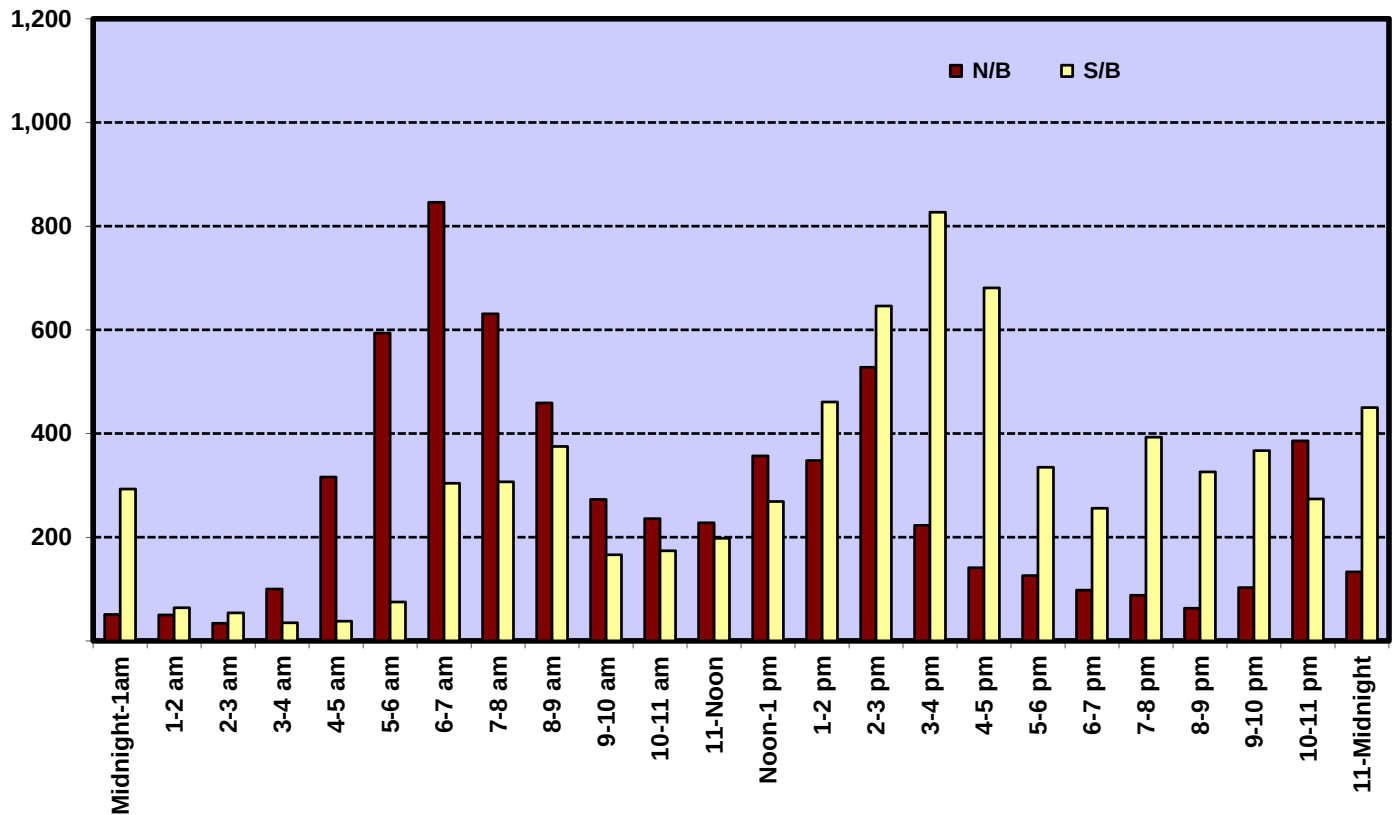
Rikers Island Bridge - 2015

	Northbound					Totals	Southbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	51	---	---	---	---	---	293
1-2am	---	---	---	---	---	50	---	---	---	---	---	64
2-3am	---	---	---	---	---	34	---	---	---	---	---	54
3-4am	---	---	---	---	---	100	---	---	---	---	---	35
4-5am	---	---	---	---	---	316	---	---	---	---	---	38
5-6am	---	---	---	---	---	594	---	---	---	---	---	75
6-7am	---	---	---	---	---	846 **	---	---	---	---	---	304
7-8am	524	7	2	34	64	631	266	18	10	10	3	307
8-9am	394	8	1	24	32	459	305	16	19	25	10	375
9-10am	190	27	1	24	31	273	120	13	3	23	7	166
10-11am	181	14	0	19	22	236	142	14	4	12	2	174
11-12am	160	13	2	24	29	228	130	21	13	24	10	198
12-1pm	312	15	1	10	19	357	234	10	11	8	6	269
1-2pm	299	27	1	8	13	348	402	17	22	14	6	461
2-3pm	466	12	1	14	35	528	559	16	31	26	14	646
3-4pm	199	8	1	5	10	223	771	15	25	15	1	827 **
4-5pm	121	9	1	3	7	141	630	10	26	15	0	681
5-6pm	102	10	1	0	13	126	302	10	16	3	4	335
6-7pm	64	21	2	5	6	98	215	7	28	6	0	256
7-8pm	---	---	---	---	---	88	---	---	---	---	---	393
8-9pm	---	---	---	---	---	63	---	---	---	---	---	326
9-10pm	---	---	---	---	---	103	---	---	---	---	---	367
10-11pm	---	---	---	---	---	386	---	---	---	---	---	274
11-12pm	---	---	---	---	---	133	---	---	---	---	---	450
Totals	---	---	---	---	---	6,412	---	---	---	---	---	7,368
7-10am	1,108	42	4	82	127	1,363	691	47	32	58	20	848
10am-1pm	653	42	3	53	70	821	506	45	28	44	18	641
1-4pm	964	47	3	27	58	1,099	1,732	48	78	55	21	1,934
4-7pm	287	40	4	8	26	365	1,147	27	70	24	4	1,272
7am-7pm	3,012	171	14	170	281	3,648	4,076	167	208	181	63	4,695
6-10am						2,209						1,152
3-7pm	486	48	5	13	36	588	1,918	42	95	39	5	2,099
6am-7pm						4,494						4,999
												2-Way Totals
												344
												114
												88
												135
												354
												669
												1,150
												938
												834
												439
												410
												426
												626
												809
												1,174 **
												1,050
												822
												461
												354
												481
												389
												470
												660
												583
												13,780

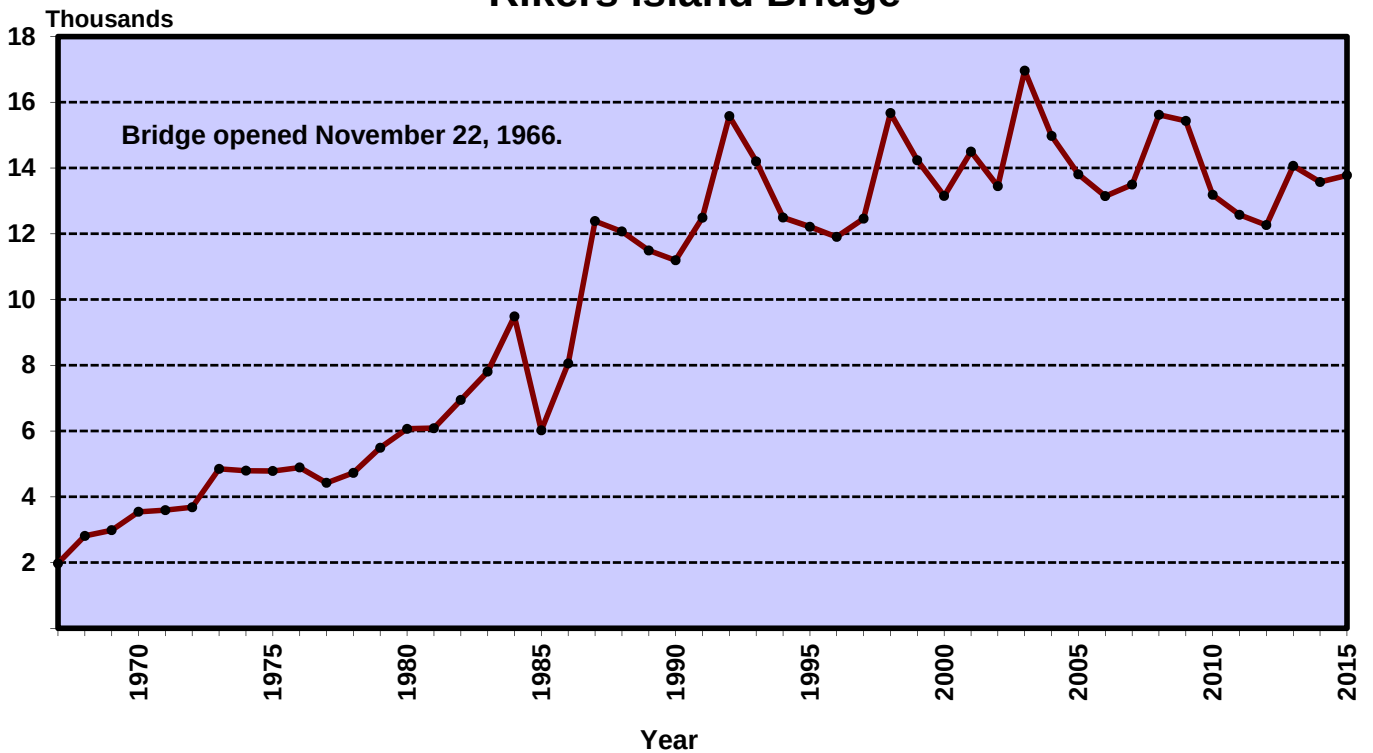
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Rikers Island Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Rikers Island Bridge

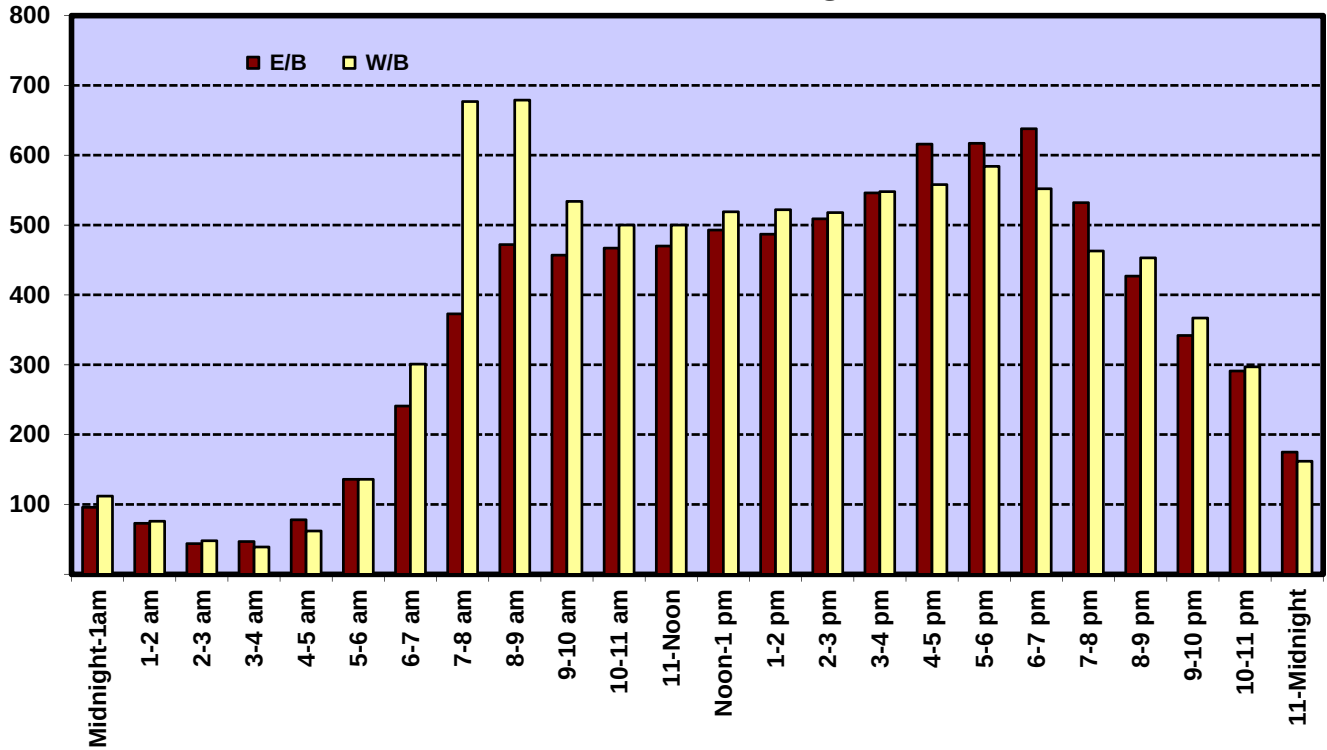


Hourly Vehicular Volumes

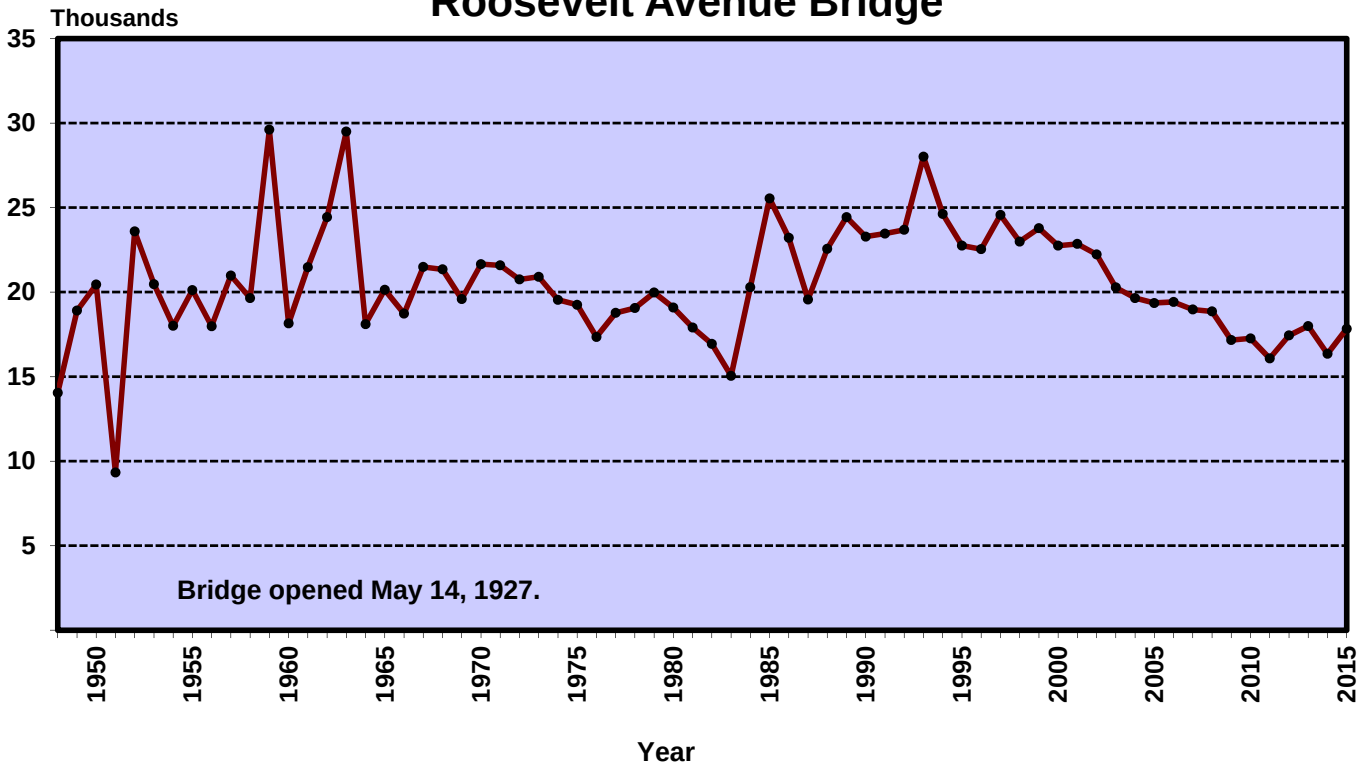
Westbound

**** Peak Volumes**

Hourly Vehicular Volumes Roosevelt Avenue Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Roosevelt Avenue Bridge



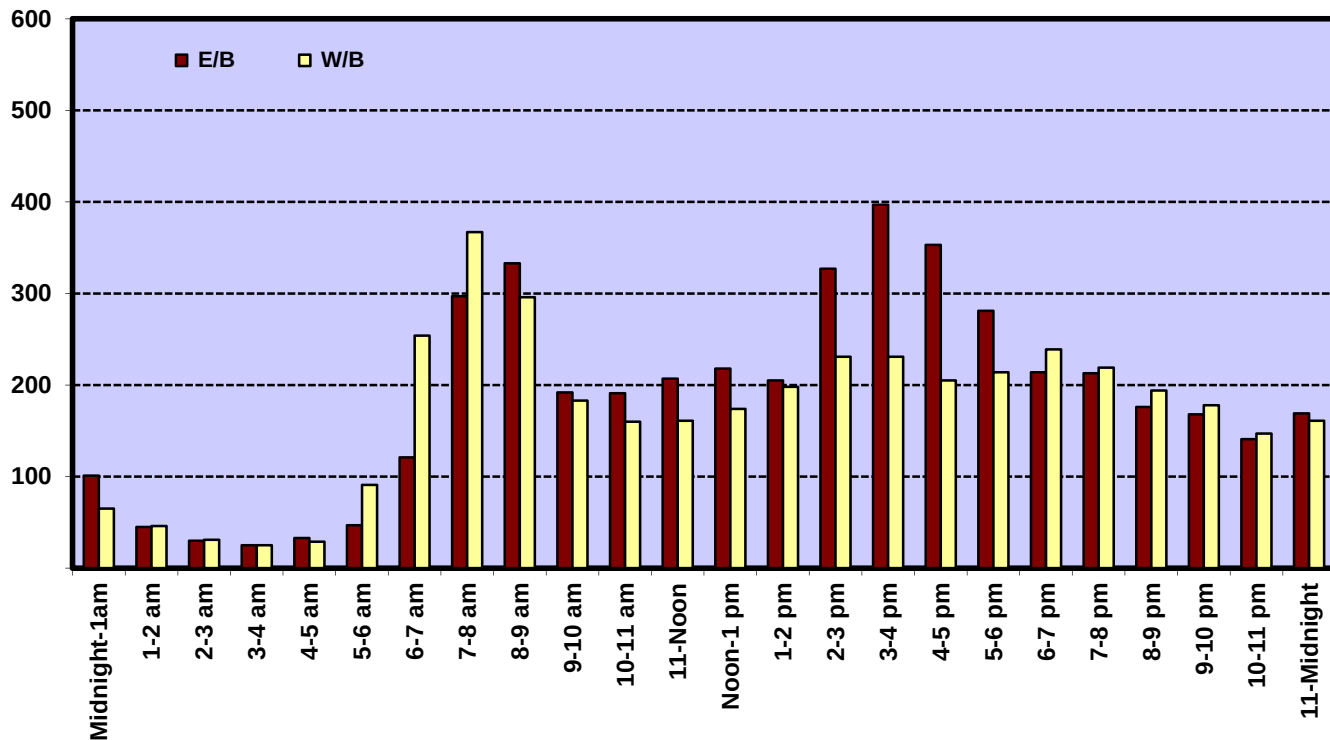
Hourly Vehicular Volumes Roosevelt Island Bridge - 2015

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	101	---	---	---	---	---	65
1-2am	---	---	---	---	---	45	---	---	---	---	---	46
2-3am	---	---	---	---	---	30	---	---	---	---	---	31
3-4am	---	---	---	---	---	25	---	---	---	---	---	25
4-5am	---	---	---	---	---	33	---	---	---	---	---	29
5-6am	---	---	---	---	---	47	---	---	---	---	---	91
6-7am	---	---	---	---	---	121	---	---	---	---	---	254
7-8am	262	14	13	4	4	297	326	6	20	9	6	367 **
8-9am	265	18	23	18	9	333	277	4	2	10	3	296
9-10am	148	8	9	22	5	192	158	4	8	11	2	183
10-11am	169	2	4	10	6	191	137	4	1	10	8	160
11-12am	160	5	9	16	17	207	120	3	8	22	8	161
12-1pm	192	4	2	14	6	218	144	20	2	5	3	174
1-2pm	186	6	2	4	7	205	175	6	1	9	7	198
2-3pm	281	5	5	27	9	327 **	203	7	4	9	8	231
3-4pm	361	20	1	7	8	397	216	6	4	3	2	231
4-5pm	333	4	8	1	7	353	185	8	5	2	5	205
5-6pm	264	5	0	3	9	281	197	7	0	3	7	214
6-7pm	198	2	1	1	12	214	228	4	3	3	1	239
7-8pm	---	---	---	---	---	213	---	---	---	---	---	219
8-9pm	---	---	---	---	---	176	---	---	---	---	---	194
9-10pm	---	---	---	---	---	168	---	---	---	---	---	178
10-11pm	---	---	---	---	---	141	---	---	---	---	---	147
11-12pm	---	---	---	---	---	169	---	---	---	---	---	161
Totals	---	---	---	---	---	4,484	---	---	---	---	---	4,099
7-10am	675	40	45	44	18	822	761	14	30	30	11	846
10am-1pm	521	11	15	40	29	616	401	27	11	37	19	495
1-4pm	828	31	8	38	24	929	594	19	9	21	17	660
4-7pm	795	11	9	5	28	848	610	19	8	8	13	658
7am-7pm	2,819	93	77	127	99	3,215	2,366	79	58	96	60	2,659
6-10am						943						1,100
3-7pm	1,156	31	10	12	36	1,245	826	25	12	11	15	889
6am-7pm						3,336						2,913

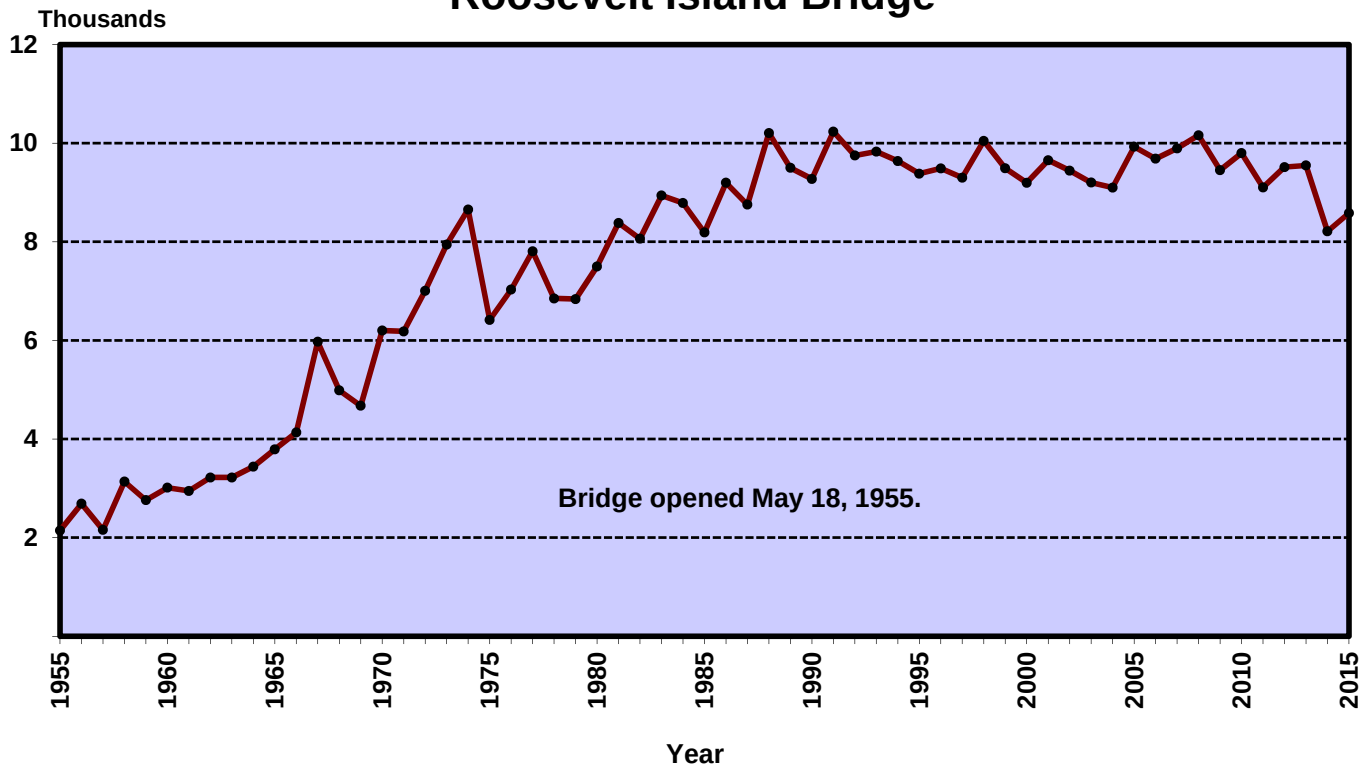
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Roosevelt Island Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Roosevelt Island Bridge



Hourly Vehicular Volumes

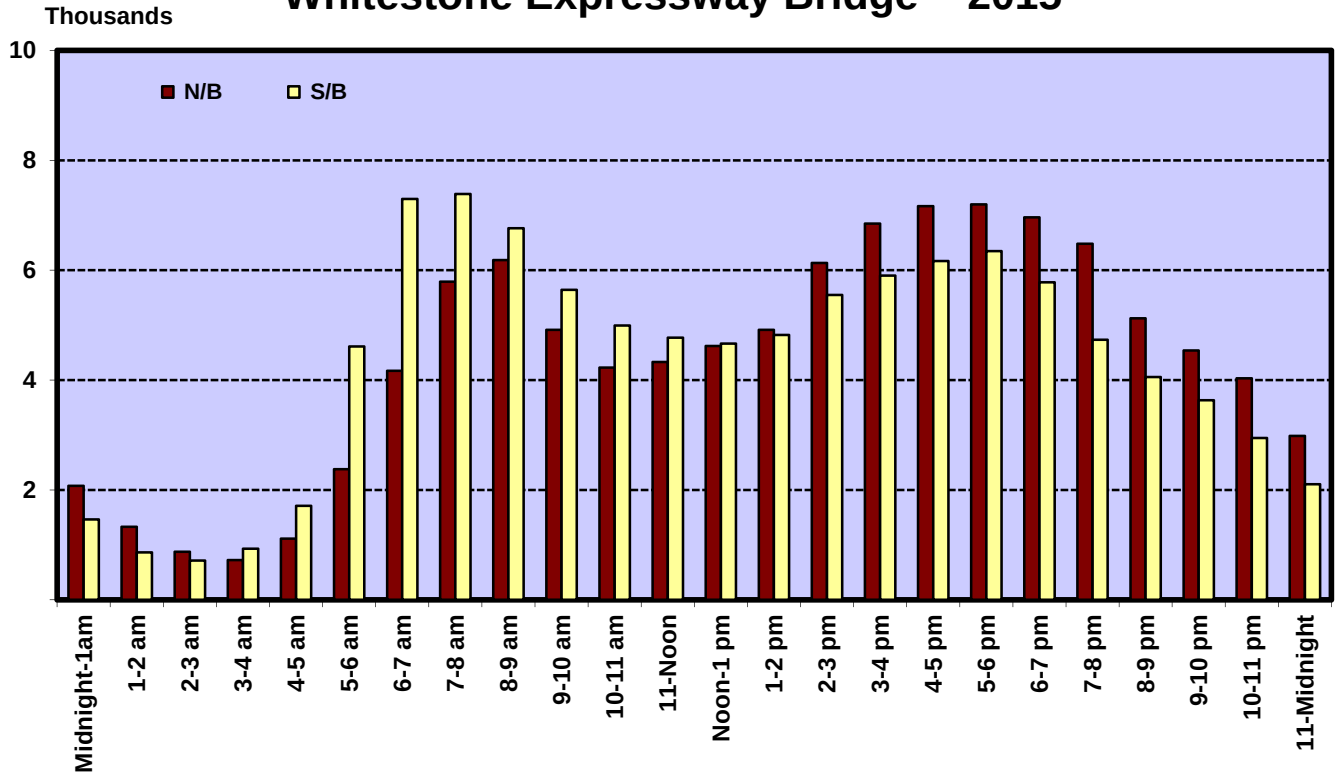
Whitestone Expressway Bridge - 2015

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	2,075	---	---	---	---	---	1,463
1-2am	---	---	---	---	---	1,330	---	---	---	---	---	864
2-3am	---	---	---	---	---	875	---	---	---	---	---	716
3-4am	---	---	---	---	---	723	---	---	---	---	---	929
4-5am	---	---	---	---	---	1,115	---	---	---	---	---	1,710
5-6am	---	---	---	---	---	2,378	---	---	---	---	---	4,611
6-7am	---	---	---	---	---	4,170	---	---	---	---	---	7,297
7-8am	4,876	92	176	300	347	5,791	5,898	62	241	525	661	7,387 **
8-9am	5,137	80	306	408	252	6,183	5,614	73	191	477	408	6,763
9-10am	3,952	78	185	467	233	4,915	4,423	76	199	520	425	5,643
10-11am	3,695	38	88	252	154	4,227	4,528	21	112	212	121	4,994
11-12am	3,297	28	162	559	282	4,328	3,823	24	206	470	250	4,773
12-1pm	4,082	72	66	266	133	4,619	4,141	30	100	232	161	4,664
1-2pm	4,454	61	43	232	125	4,915	4,221	62	96	271	170	4,820
2-3pm	4,975	70	151	511	426	6,133	4,453	79	178	520	319	5,549
3-4pm	6,235	30	86	246	250	6,847	5,292	97	119	229	164	5,901
4-5pm	6,195	26	172	352	422	7,167	5,175	61	225	404	302	6,167
5-6pm	6,305	36	171	273	414	7,199 **	5,744	28	167	237	172	6,348
6-7pm	6,222	54	173	177	335	6,961	5,327	10	180	110	152	5,779
7-8pm	---	---	---	---	---	6,481	---	---	---	---	---	4,733
8-9pm	---	---	---	---	---	5,124	---	---	---	---	---	4,054
9-10pm	---	---	---	---	---	4,539	---	---	---	---	---	3,634
10-11pm	---	---	---	---	---	4,033	---	---	---	---	---	2,947
11-12pm	---	---	---	---	---	2,984	---	---	---	---	---	2,104
Totals	---	---	---	---	---	105,112	---	---	---	---	---	103,850
7-10am	13,965	250	667	1,175	832	16,889	15,935	211	631	1,522	1,494	19,793
10am-1pm	11,074	138	316	1,077	569	13,174	12,492	75	418	914	532	14,431
1-4pm	15,664	161	280	989	801	17,895	13,966	238	393	1,020	653	16,270
4-7pm	18,722	116	516	802	1,171	21,327	16,246	99	572	751	626	18,294
7am-7pm	59,425	665	1,779	4,043	3,373	69,285	58,639	623	2,014	4,207	3,305	68,788
6-10am						21,059						27,090
3-7pm	24,957	146	602	1,048	1,421	28,174	21,538	196	691	980	790	24,195
6am-7pm						73,455						76,085

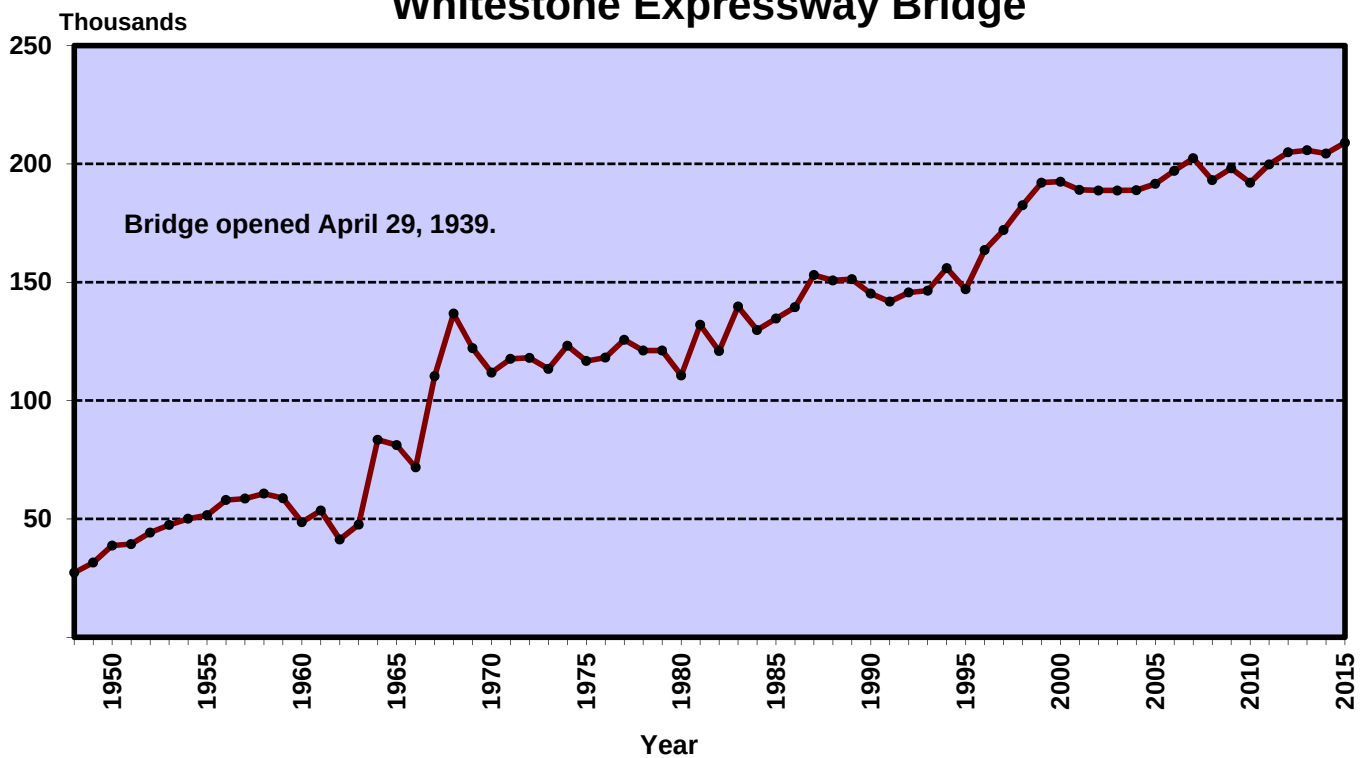
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Whitestone Expressway Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Whitestone Expressway Bridge



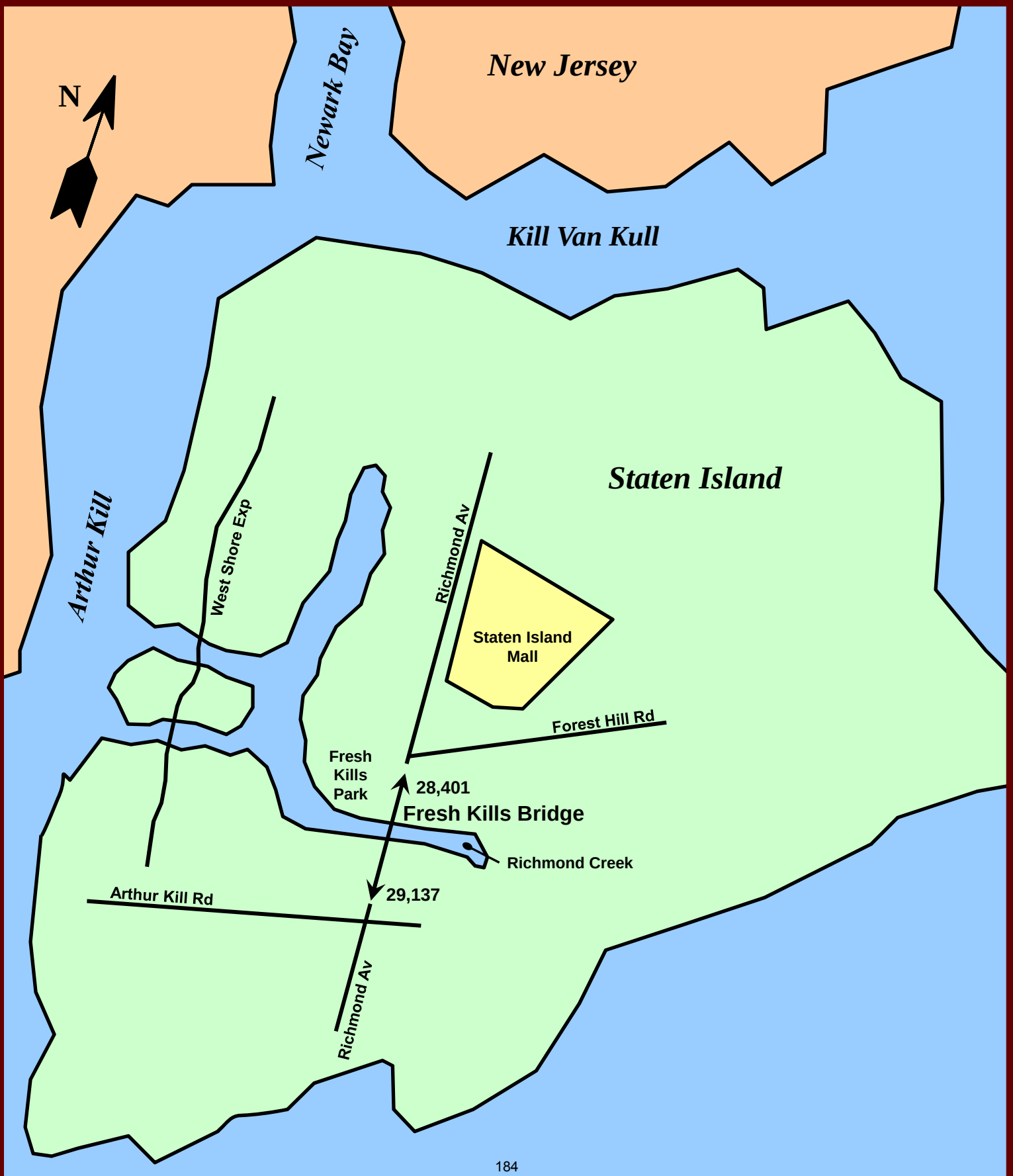
Staten Island ~ Fresh Kills Bridge



Fresh Kills Bridge

Staten Island ~ Fresh Kills Bridge

2015 Daily Volumes



Staten Island Bridges
Average Daily Traffic Volumes
1948 - 2015

Year	<i>Fresh Kills</i> Bridge
1948	5,597
1949	5,759
1950	6,250
1951	8,023
1952	7,891
1953	7,858
1954	9,098
1955	9,841
1956	9,415
1957	9,897
1958	10,121
1959	8,573
1960	8,147
1961	10,270
1962	9,400
1963	12,450
1964	15,010
1965	15,539
1966	17,175
1967	17,309
1968	19,789
1969	22,379
1970	21,631
1971	26,744
1972	28,455
1973	37,213
1974	36,207
1975	38,684
1976	34,675
1977	30,295
1978	34,467
1979	36,806
1980	41,604
1981	46,947
1982	68,481
1983	46,450
1984	50,341
1985	53,590
1986	44,230
1987	50,372
1988	50,385
1989	36,550
1990	53,442
1991	49,197
1992	48,507
1993	49,969
1994	48,562
1995	47,132
1996	49,740
1997	51,738
1998	53,770
1999	65,577
2000	66,980
2001	67,465
2002	64,563
2003	66,155
2004	64,705
2005	66,816
2006	65,274
2007	68,997
2008	64,724
2009	64,490
2010	65,612
2011	60,678
2012	58,026
2013	60,240
2014	59,602
2015	57,538

Hourly Vehicular Volumes

Fresh Kills Bridge - 2015

Northbound

FHWA Classes ▲	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles							Autos, SUVs, Family Vans			Motorcycles Taxis, Liveries, Limos			Total Vehicles		
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		1, 2, 3	2	2 & 3	4	5 - 7	8 - 13			
12-1am	156	0	1	4	0	0	161	224	28	0	15	0	10	277		
1-2am	86	0	1	3	2	0	92	101	10	0	17	3	2	133		
2-3am	64	1	2	2	1	1	71	55	9	3	10	1	1	150		
3-4am	87	0	0	5	7	7	106	46	3	3	0	0	3	55		
4-5am	187	0	2	40	5	0	234	75	8	1	2	0	2	88		
5-6am	493	0	7	151	31	14	696	209	2	4	5	0	1	221		
6-7am	1,174	0	20	420	41	20	1,675	454	4	12	17	2	2	491		
7-8am	1,798	4	63	179	63	26	2,133	985	5	17	27	2	3	1,039		
8-9am	1,680	2	99	126	64	14	1,985	1,077	12	35	42	3	9	1,178		
9-10am	1,552	0	82	42	47	20	1,743	989	5	9	27	6	4	1,040		
10-11am	1,538	1	48	36	23	30	1,676	1,185	20	27	32	10	4	1,278		
11-12am	1,570	2	58	23	15	10	1,678	1,441	20	47	23	9	12	1,552		
12-1pm	1,587	0	44	22	18	13	1,684	1,614	15	30	22	4	11	1,696		
1-2pm	1,520	7	35	46	14	9	1,631	1,803	29	59	48	19	17	1,975		
2-3pm	1,593	1	33	44	15	9	1,695	2,174	24	55	55	7	10	2,325		
3-4pm	1,628	0	49	36	10	11	1,734	2,221	15	42	68	12	7	2,365		
4-5pm	1,645	2	37	31	12	5	1,732	2,377	8	19	67	12	1	2,484		
5-6pm	1,707	3	31	31	5	0	1,777	2,411	12	37	62	7	3	2,532	**	
6-7pm	1,653	2	29	29	6	4	1,723	2,175	22	32	62	2	2	2,295		
7-8pm	1,439	5	20	25	6	1	1,496	1,830	17	33	72	7	5	1,964		
8-9pm	1,026	1	11	13	2	3	1,056	1,614	11	19	64	1	5	1,714		
9-10pm	743	1	6	6	3	1	760	1,179	4	15	44	0	4	1,246		
10-11pm	501	2	5	5	2	0	515	642	6	12	15	0	4	679		
11-12pm	340	0	0	6	1	1	348	412	1	6	10	1	1	431		
Totals	25,767	34	683	1,325	393	199	28,401	27,293	290	517	806	108	123	29,137		

Southbound

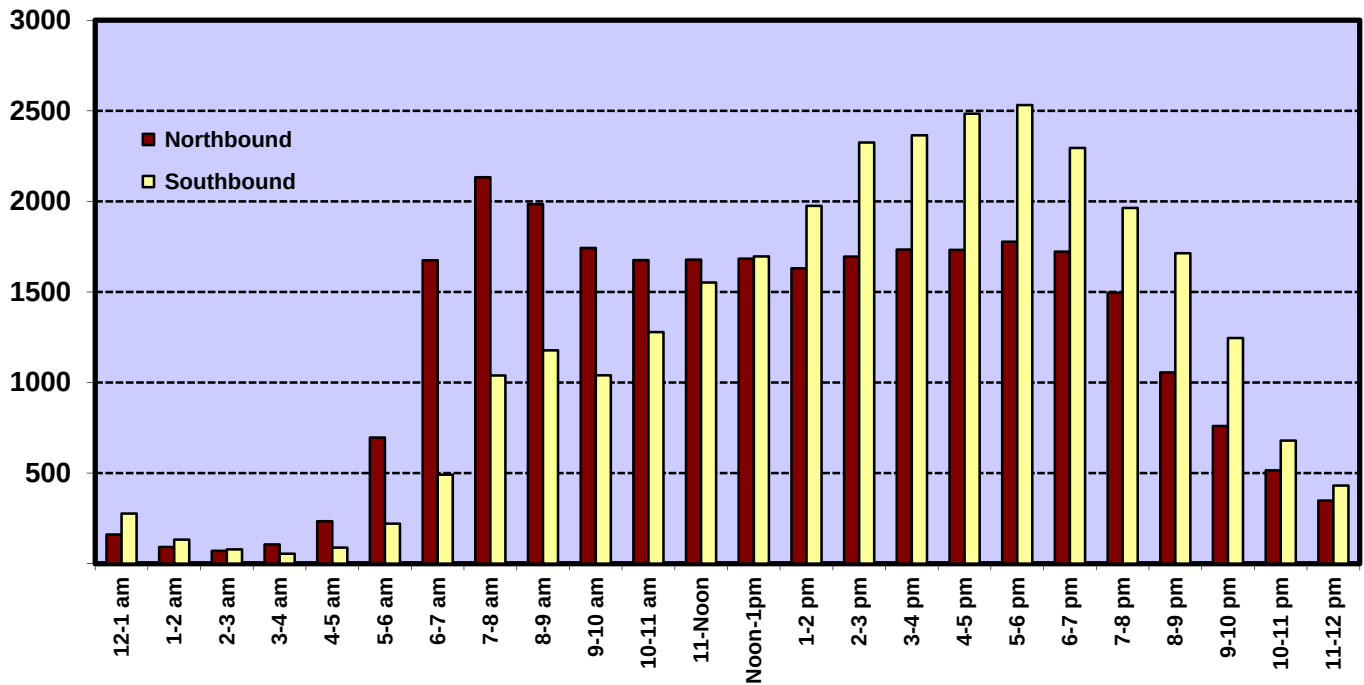
FHWA Classes ▶	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles										Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles										2-way Grand Totals							
	Autos, SUVs, Family Vans			Motorcycles Taxis, Liveries, Limos			Autos, SUVs, Family Vans				Motorcycles Taxis, Liveries, Limos			Autos, SUVs, Family Vans				Motorcycles Taxis, Liveries, Limos				Total Vehicles						
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles
12-1am	156	0	1	4	0	0	161	224	28	0	15	0	10	277														438
1-2am	86	0	1	3	2	0	92	101	10	0	17	3	2	133														225
2-3am	64	1	2	2	1	1	71	55	9	3	10	1	1	79														150
3-4am	87	0	0	5	7	7	106	46	3	3	0	0	3	55														161
4-5am	187	0	2	40	5	0	234	75	8	1	2	0	2	88														322
5-6am	493	0	7	151	31	14	696	209	2	4	5	0	1	221														917
6-7am	1,174	0	20	420	41	20	1,675	454	4	12	17	2	2	491														2,166
7-8am	1,798	4	63	179	63	26	2,133	985	5	17	27	2	3	1,039														3,172
8-9am	1,680	2	99	126	64	14	1,985	1,077	12	35	42	3	9	1,178														3,163
9-10am	1,552	0	82	42	47	20	1,743	989	5	9	27	6	4	1,040														2,783
10-11am	1,538	1	48	36	23	30	1,676	1,185	20	27	32	10	4	1,278														2,954
11-12am	1,570	2	58	23	15	10	1,678	1,441	20	47	23	9	12	1,552														3,230
12-1pm	1,587	0	44	22	18	13	1,684	1,614	15	30	22	4	11	1,696														3,380
1-2pm	1,520	7	35	46	14	9	1,631	1,803	29	59	48	19	17	1,975														3,606
2-3pm	1,593	1	33	44	15	9	1,695	2,174	24	55	55	7	10	2,325														4,020
3-4pm	1,628	0	49	36	10	11	1,734	2,221	15	42	68	12	7	2,365														4,099
4-5pm	1,645	2	37	31	12	5	1,732	2,377	8	19	67	12	1	2,484														4,216
5-6pm	1,707	3	31	31	5	0	1,777	2,411	12	37	62	7	3	2,532	**													4,309
6-7pm	1,653	2	29	29	6	4	1,723	2,175	22	32	62	2	2	2,295														4,018
7-8pm	1,439	5	20	25	6	1	1,496	1,830	17	33	72	7	5	1,964														3,460
8-9pm	1,026	1	11	13	2	3	1,056	1,614	11	19	64	1	5	1,714														2,770
9-10pm	743	1	6	6	3	1	760	1,179	4	15	44	0	4	1,246														2,006
10-11pm	501	2	5	5	2	0	515	642	6	12	15	0	4	679														1,194
11-12pm	340	0	0	6	1	1	348	412	1	6	10	1	1	431														779
Totals	25,767	34	683	1,325	393	199	28,401	27,293	290	517	806	108	123	29,137														57,538
7-10am	5,030	6	244	347	174	60	5,861	3,051	22	61	96	11	16	3,257														9,118
10am-1pm	4,695	3	150	81	56	53	5,038	4,240	55	104	77	23	27	4,526														9,564
1-4pm	4,741	8	117	126	39	29	5,060	6,198	68	156	171	38	34	6,665														11,725
4-7pm	5,005	7	97	91	23	9	5,232	6,963	42	88	191	21	6	7,311														12,543
7am-7pm	19,471	24	608	645	292	151	21,191	20,452	187	409	535	93	83	21,759														42,950
6-10am	6,204	6	264	767	215	80	7,536	3,505	26	73	113	13	18	3,748														11,284
3-7pm	6,633	7	146	127	33	20	6,966	9,184	57	130	259	33	13	9,676														16,642
8am-7pm	20,645	24	628	1,065	333	171	22,866	20,906	191	421	552	95	85	22,250														45,116

7-10am	5,030	6	244	347	174	60	5,861	3,051	22	61	96	11	16	3,257		9,118
10am-1pm	4,695	3	150	81	56	53	5,038	4,240	55	104	77	23	27	4,526		9,564
1-4pm	4,741	8	117	126	39	29	5,060	6,198	68	156	171	38	34	6,665		11,725
4-7pm	5,005	7	97	91	23	9	5,232	6,963	42	88	191	21	6	7,311		12,543
7am-7pm	19,471	24	608	645	292	151	21,191	20,452	187	409	535	93	83	21,759		42,950
6-10am	6,204	6	264	767	215	80	7,536	3,505	26	73	113	13	18	3,748		11,284
3-7pm	6,633	7	146	127	33	20	6,966	9,184	57	130	259	33	13	9,676		16,642
6am-7pm	20,645	24	628	1,065	333	171	22,866	20,906	191	421	552	95	85	22,250		45,116

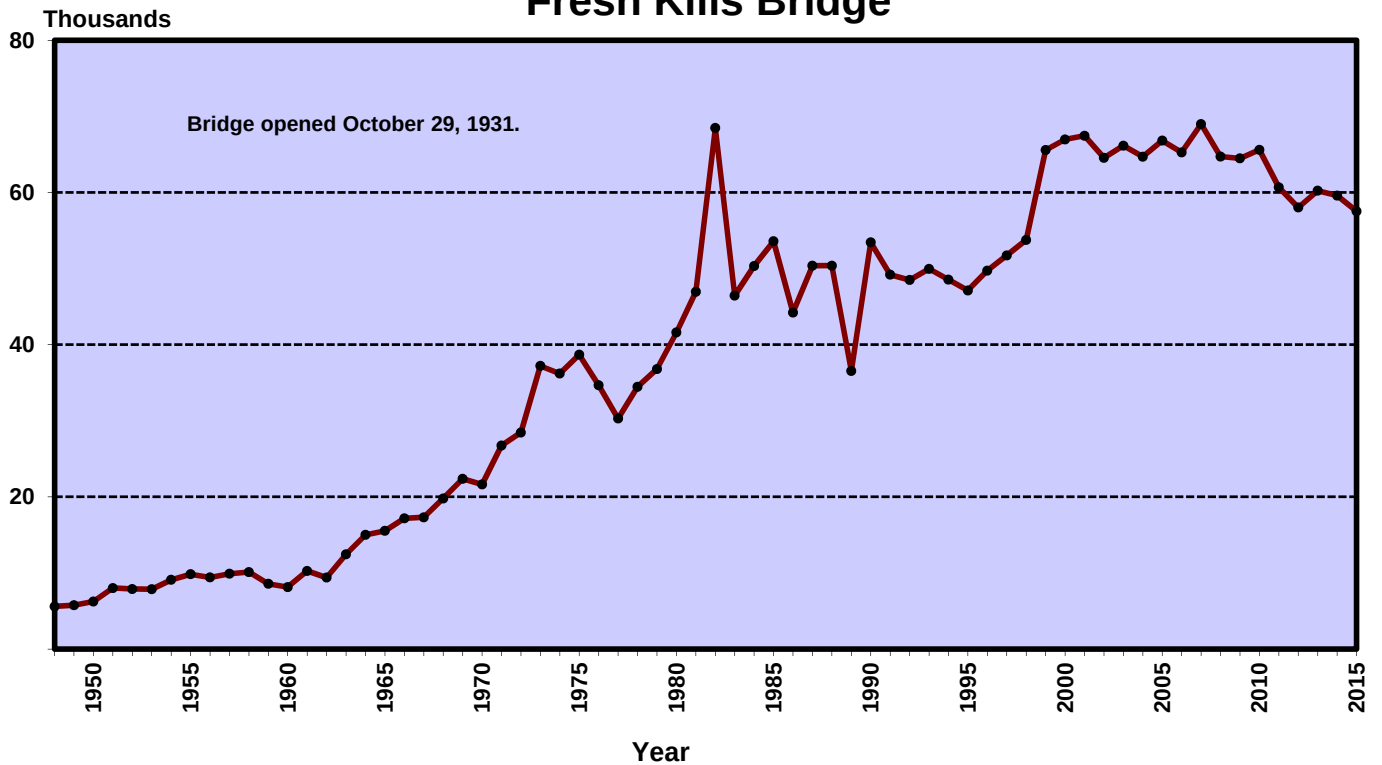
Based on September 2015 Classification Survey Data.

** Peak Volumes

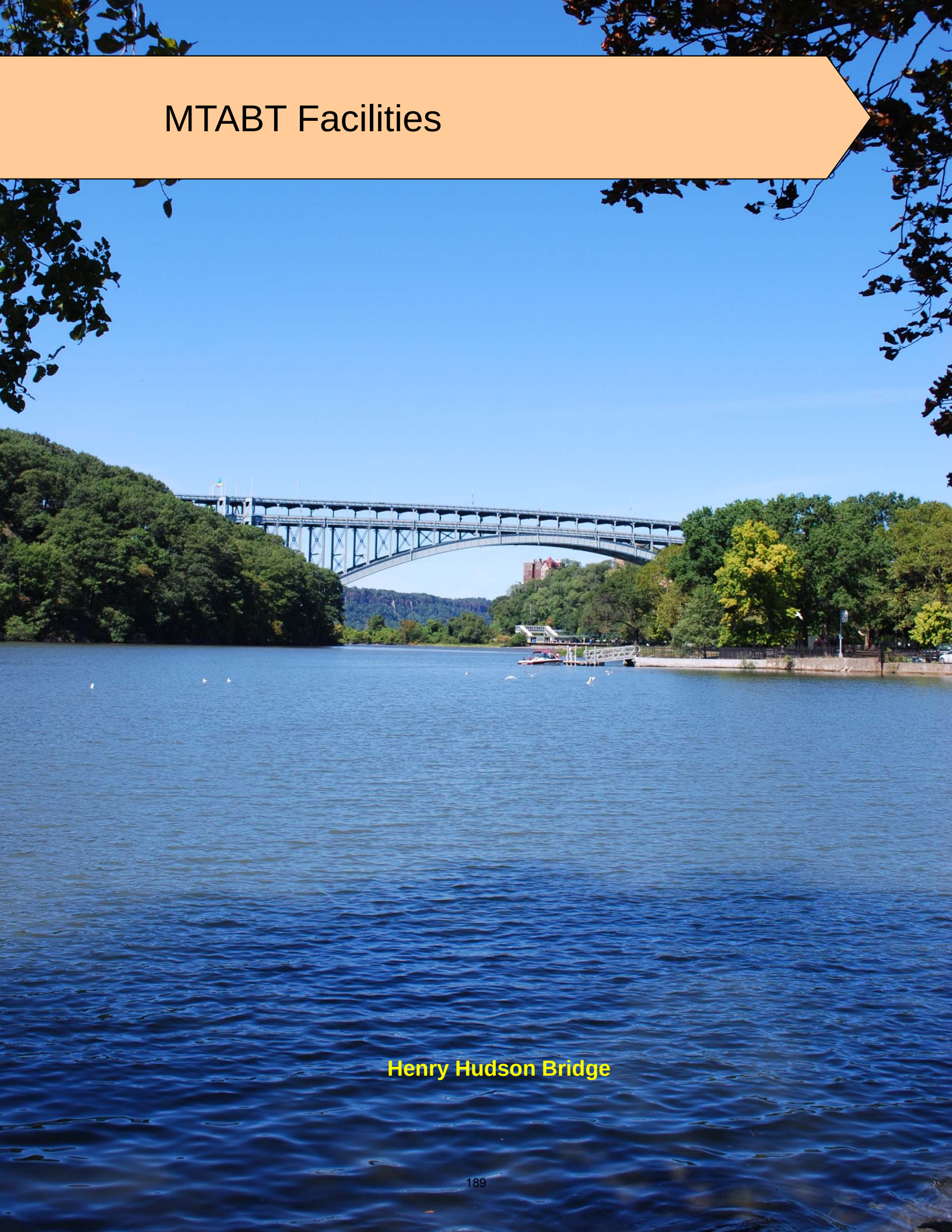
Hourly Vehicular Volumes Fresh Kills Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Fresh Kills Bridge



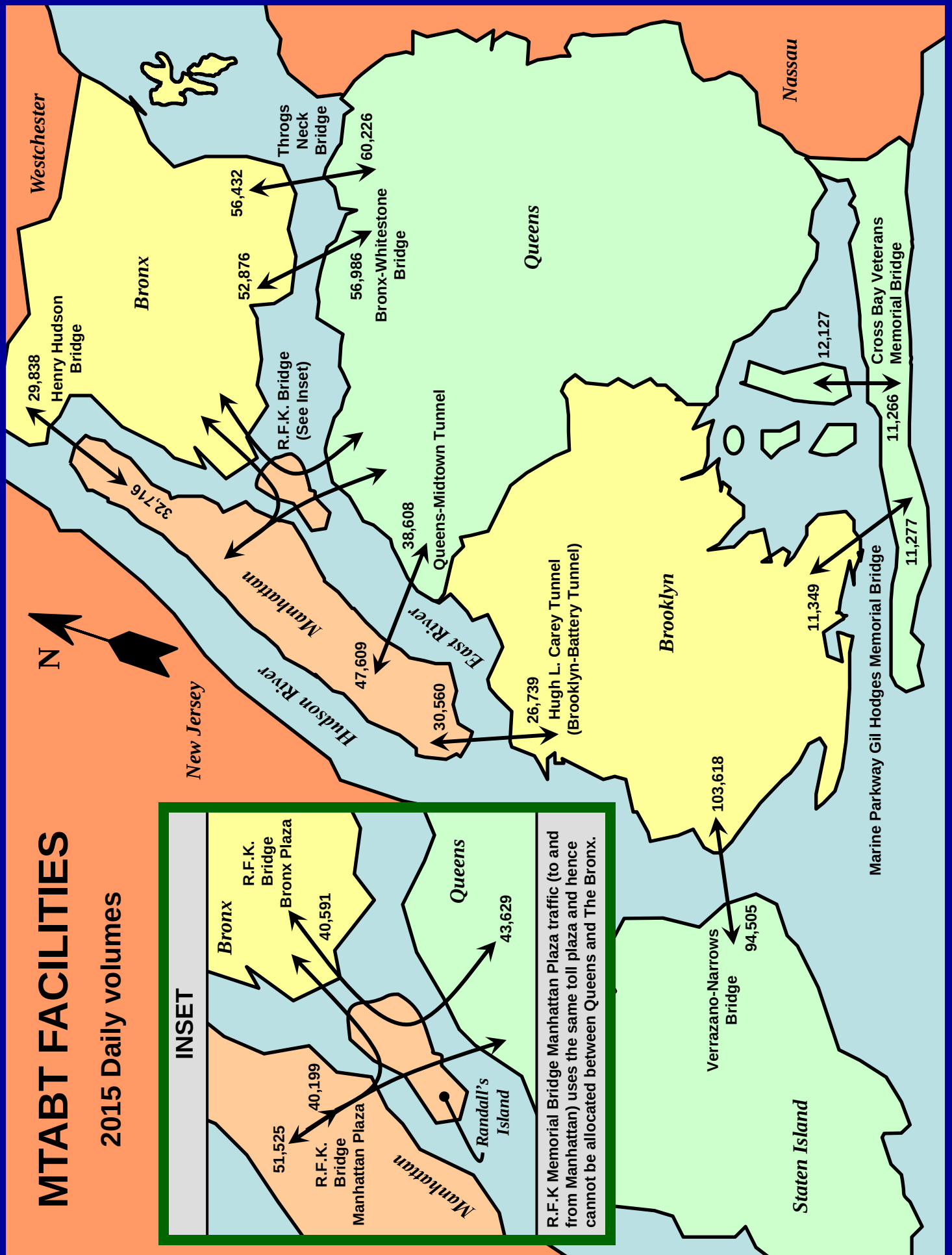
MTABT Facilities



Henry Hudson Bridge

MTABT FACILITIES

2015 Daily volumes



**MTABT Manhattan Facilities ~ Average Daily Traffic Volumes
1948 - 2015**

Year	Henry Hudson Bridge	Hugh L. Carey Tunnel (Brooklyn- Battery Tunnel)	Queens- Midtown Tunnel	Robert F. Kennedy Memorial Bridge Manh. Plz. (Triborough Bridge)	
				Manhattan Totals	
1948	40,050	<i>Opened</i>	26,462	26,465	92,977
1949	47,472	<i>05/25/1950</i>	30,045	32,554	110,071
1950	53,559	37,258	34,044	36,995	161,856
1951	57,700	41,253	36,680	44,639	180,272
1952	61,592	45,366	38,866	48,503	194,327
1953	65,432	47,999	38,509	48,595	200,535
1954	69,025	45,120	38,185	52,286	204,616
1955	71,240	45,843	39,839	59,913	216,835
1956	69,477	48,054	49,544	64,460	231,535
1957	62,865	54,490	54,311	64,677	236,343
1958	57,321	53,789	58,321	62,982	232,413
1959	56,529	49,468	61,115	64,389	231,501
1960	56,675	48,970	62,008	63,115	230,768
1961	57,140	48,197	62,301	59,603	227,241
1962	59,548	48,173	65,038	60,251	233,010
1963	52,803	48,271	63,038	60,988	225,100
1964	50,768	51,893	67,713	66,139	236,513
1965	45,353	56,455	69,386	69,755	240,949
1966	44,043	57,674	69,850	71,540	243,107
1967	43,409	57,611	69,416	73,602	244,038
1968	44,908	60,652	66,432	75,932	247,924
1969	45,382	62,116	68,884	78,481	254,863
1970	46,720	62,042	77,180	85,121	271,063
1971	50,541	64,032	81,747	90,372	286,692
1972	45,818	52,065	74,936	80,052	252,871
1973	41,871	49,916	74,214	85,592	251,593
1974	38,331	46,620	75,219	82,676	242,846
1975	30,603	45,636	65,315	72,566	214,120
1976	30,557	52,444	65,881	68,325	217,207
1977	31,840	53,500	71,150	73,276	229,766
1978	33,605	58,252	72,696	76,572	241,125
1979	33,387	60,445	69,827	87,885	251,544
1980	31,817	62,386	73,216	88,439	255,858
1981	36,625	58,657	81,211	93,361	269,854
1982	30,923	56,189	78,229	88,158	253,499
1983	31,279	61,130	78,134	92,967	263,510
1984	34,898	58,032	74,808	95,247	262,985
1985	41,680	63,469	76,065	94,644	275,858
1986	49,005	60,778	71,478	93,432	274,693
1987	52,778	63,256	77,813	95,795	289,642
1988	54,910	62,959	76,243	99,438	293,550
1989	50,556	59,254	72,828	92,720	275,358
1990	57,528	60,512	71,186	99,840	289,066
1991	56,279	63,883	80,616	94,487	295,265
1992	58,660	62,510	81,835	97,198	300,203
1993	54,650	57,561	77,288	92,660	282,159
1994	58,291	57,013	68,511	79,536	263,351
1995	62,899	61,097	73,882	95,696	293,574
1996	58,759	57,091	72,285	92,981	281,116
1997	59,660	54,690	78,023	91,313	283,686
1998	59,339	61,091	79,697	93,863	293,990
1999	61,165	63,307	80,941	98,553	303,966
2000	66,304	63,242	80,879	103,079	313,504
2001	69,087	13,762	72,864	102,224	257,937
2002	70,731	56,976	82,834	94,759	305,300
2003	72,209	56,271	85,377	93,177	307,034
2004	73,114	54,488	86,599	97,958	312,159
2005	70,407	49,043	86,063	91,898	297,411
2006	71,761	57,436	89,972	98,582	317,751
2007	70,094	56,539	88,379	97,241	312,253
2008	69,101	55,037	86,709	95,146	305,993
2009	66,607	50,674	85,144	91,731	294,156
2010	69,641	54,187	88,014	93,455	305,297
2011	63,433	54,481	87,662	88,717	294,293
2012	63,434	54,299	87,937	90,956	296,626
2013	59,087	55,145	86,737	91,386	292,355
2014	58,809	54,007	86,081	91,509	290,406
2015	62,554	57,299	86,217	91,724	297,794

MTABT Toll Increases January 1972, September 1975, May 1980, April 1982, January 1984, January 1986, February 1987, July 1989, January 1993, March 1996, May 2003, March 2005, March 2008, July 2009, December 2010, March 2013, & March 2015.

MTABT Outer Borough Bridges ~ Average Daily Traffic Volumes 1948 - 2015

Year	Bronx- Whitestone Bridge	Cross Bay Bridge	Robert F. Kennedy		Throgs Neck Bridge	Verrazano- Narrows Bridge	Outer Boroughs Totals
			Marine Parkway Gil Hodges Memorial Bridge	Memorial Bridge Bronx Plz. (Triborough Bridge)			
1948	33,343	11,421	10,216	25,997	<i>Opened</i>	<i>Opened</i>	80,977
1949	41,485	12,579	11,743	31,310	<i>01/11/1961</i>	<i>11/21/1964</i>	97,117
1950	47,900	13,002	12,971	35,581			109,454
1951	54,565	13,443	13,449	42,934			124,391
1952	59,269	13,706	13,995	46,777			133,747
1953	66,055	15,460	15,620	46,738			143,873
1954	72,061	15,348	16,113	50,289			153,811
1955	77,352	15,630	16,571	57,623			167,176
1956	82,643	15,557	16,277	62,167			176,644
1957	82,199	15,465	16,172	62,206			176,042
1958	83,022	14,895	15,694	60,576			174,187
1959	88,731	15,589	16,975	61,929			183,224
1960	91,956	15,175	16,605	60,870			184,606
1961	55,100	15,518	16,657	57,325			144,600
1962	47,532	15,939	17,301	57,949	60,697		199,418
1963	45,352	16,421	17,978	58,657	75,532		213,940
1964	64,573	16,594	18,145	61,152	76,245		236,709
1965	72,053	16,864	18,855	67,090	77,755	48,842	301,459
1966	71,382	17,684	19,745	68,806	80,647	58,720	316,984
1967	73,931	17,448	19,904	70,791	81,237	66,607	329,918
1968	78,773	18,367	21,424	73,232	83,634	77,393	352,823
1969	79,416	17,608	21,406	75,482	85,708	86,114	365,734
1970	81,582	17,908	22,076	81,868	83,734	96,953	384,121
1971	86,573	18,399	22,426	83,804	84,279	106,014	401,495
1972	80,704	16,813	20,956	74,777	89,595	105,898	388,743
1973	81,548	16,783	21,502	75,552	95,326	111,385	402,096
1974	82,699	16,769	19,734	76,673	89,622	109,671	395,168
1975	81,081	15,019	18,715	70,338	87,725	108,572	381,450
1976	82,060	14,281	17,804	67,887	89,520	110,761	382,313
1977	81,992	14,489	16,724	67,590	90,635	113,040	384,470
1978	86,537	13,955	17,750	64,746	89,847	125,799	398,634
1979	90,394	13,690	17,404	63,046	86,315	124,667	395,516
1980	88,346	13,903	16,472	63,219	87,011	130,904	399,855
1981	84,475	11,583	16,510	76,200	91,511	137,695	417,974
1982	90,312	13,072	17,119	74,092	93,867	143,811	432,273
1983	97,945	13,412	18,003	78,885	97,706	140,645	446,596
1984	97,636	14,835	19,749	79,300	90,153	155,892	457,565
1985	109,012	15,279	20,595	83,747	84,517	162,632	475,782
1986	102,567	15,162	19,965	80,703	94,395	162,426	475,218
1987	102,115	14,289	20,512	81,424	93,770	170,319	482,429
1988	98,235	14,989	21,098	83,002	102,333	174,416	494,073
1989	95,762	14,466	19,666	78,877	94,147	172,529	475,447
1990	104,377	14,645	21,489	80,346	91,237	175,948	488,042
1991	99,054	14,925	20,893	81,364	94,377	178,340	488,953
1992	96,830	14,821	21,042	77,125	98,135	183,218	491,171
1993	93,712	14,578	20,137	70,458	101,402	178,416	478,703
1994	104,819	14,442	20,623	71,777	97,471	181,156	490,288
1995	108,185	15,423	20,568	72,012	97,282	184,634	498,104
1996	101,048	14,845	21,212	74,522	97,629	184,557	493,813
1997	93,018	14,221	19,782	76,937	102,094	182,871	488,923
1998	104,125	16,286	19,583	81,913	99,471	194,592	515,970
1999	120,170	16,975	19,904	80,019	90,986	194,623	522,677
2000	117,583	17,962	21,609	79,243	98,357	202,580	537,334
2001	111,764	19,626	19,527	77,631	104,429	218,971	551,948
2002	123,258	20,010	21,684	72,259	104,535	212,491	554,237
2003	113,441	20,233	21,745	74,113	111,092	206,444	547,068
2004	117,591	20,460	21,556	82,810	112,001	205,544	559,962
2005	105,059	19,852	19,456	77,257	114,973	193,687	530,284
2006	110,708	22,036	22,363	81,840	116,427	207,353	560,727
2007	111,739	22,337	21,356	79,019	112,985	201,116	548,552
2008	117,015	21,876	21,357	77,606	114,319	203,507	555,680
2009	112,978	21,762	22,067	78,459	107,324	202,052	544,642
2010	103,366	21,135	22,215	82,189	112,712	204,181	545,798
2011	100,666	20,566	21,812	77,242	111,384	194,758	526,428
2012	105,718	21,595	21,290	78,437	108,858	193,100	528,998
2013	104,511	22,016	22,010	79,006	110,753	192,033	530,329
2014	104,509	21,953	21,217	82,084	112,548	187,438	529,749
2015	109,862	23,393	22,626	84,220	116,658	198,123	554,882

MTABT Toll Increases January 1972, September 1975, May 1980, April 1982, January 1984, January 1986, February 1987, July 1989, January 1993, March 1996, May 2003, March 2005, March 2008, July 2009, December 2010, March 2013, & March 2015.

Hourly Vehicular Volumes

Metropolitan Transportation Authority Bridges & Tunnels

2015

	Henry Hudson Bridge		Hugh L. Carey Tunnel (Brooklyn-BatteryTunnel)		Queens-Midtown Tunnel		Robert F. Kennedy Memorial Bridge (Triborough Bridge)		Totals	
	S/B	N/B	N/B	S/B	W/B	E/B	W/B	E/B	Entering Manhattan	Leaving Manhattan
12-1am	119	430	200	703	480	871	684	523	1,483	2,527
1-2am	58	167	101	319	201	440	229	250	589	1,176
2-3am	35	86	68	157	107	263	129	185	339	691
3-4am	46	45	71	101	139	220	133	192	389	558
4-5am	109	56	223	104	315	455	285	460	932	1,075
5-6am	705	118	912	175	1,249	934	1,276	1,001	4,142	2,228
6-7am	2,630	516	2,501	425	2,832	1,267	3,163	1,476	11,126	3,684
7-8am	2,857 **	1,371	3,110 **	744	3,754	1,231	3,549	1,868	13,270 **	5,214
8-9am	2,753	1,992	3,025	855	4,082 **	1,283	3,048	2,060	12,908	6,190
9-10am	2,224	1,307	2,739	841	3,567	1,271	3,065	1,993	11,595	5,412
10-11am	1,858	1,088	1,932	802	2,862	1,330	2,579	1,799	9,231	5,019
11-12am	1,760	1,134	1,610	883	2,603	1,931	2,490	1,841	8,463	5,789
12-1pm	1,577	1,211	1,335	1,082	2,353	2,150	2,324	1,960	7,589	6,403
1-2pm	1,490	1,395	1,428	1,202	2,307	2,498	2,864	2,433	8,089	7,528
2-3pm	1,685	1,709	1,542	1,541	2,402	2,543	3,167	2,664	8,796	8,457
3-4pm	2,241	2,082	1,524	2,090	2,621	2,695	3,443	2,898	9,829	9,765
4-5pm	2,390	2,551	1,543	2,370	2,681	2,621	3,399	3,024 **	10,013	10,566
5-6pm	2,408	2,711 **	1,599	2,518 **	2,749	2,749 **	3,558 **	2,827	10,314	10,805 **
6-7pm	2,211	2,654	1,475	2,495	2,606	2,411	3,388	2,537	9,680	10,097
7-8pm	1,312	2,129	1,278	2,304	2,364	2,294	2,643	2,217	7,597	8,944
8-9pm	863	1,585	820	1,769	1,823	2,323	1,921	2,067	5,427	7,744
9-10pm	678	1,429	577	1,418	1,516	2,303	1,604	1,643	4,375	6,793
10-11pm	475	1,207	516	1,033	1,137	1,264	1,343	1,438	3,471	4,942
11-12pm	232	865	431	808	859	1,261	1,241	843	2,763	3,777
Totals	32,716	29,838	30,560	26,739	47,609	38,608	51,525	40,199	162,410	135,384
7-10am	7,834	4,670	8,874	2,440	11,403	3,785	9,662	5,921	37,773	16,816
10am-1pm	5,195	3,433	4,877	2,767	7,818	5,411	7,393	5,600	25,283	17,211
1-4pm	5,416	5,186	4,494	4,833	7,330	7,736	9,474	7,995	26,714	25,750
4-7pm	7,009	7,916	4,617	7,383	8,036	7,781	10,345	8,388	30,007	31,468
7am-7pm	25,454	21,205	22,862	17,423	34,587	24,713	36,874	27,904	119,777	91,245
6-10am	10,464	5,186	11,375	2,865	14,235	5,052	12,825	7,397	48,899	20,500
3-7pm	9,250	9,998	6,141	9,473	10,657	10,476	13,788	11,286	39,836	41,233
6am-7pm	28,084	21,721	25,363	17,848	37,419	25,980	40,037	29,380	130,903	94,929

** Peak Volumes

Hourly Vehicular Volumes

Metropolitan Transportation Authority Bridges & Tunnels

2015

	Cross Bay				Marine Parkway				Robert F. Kennedy				Verrazano-Narrows			
	Bronx-Whitestone Bridge		Veterans Memorial Bridge		Gil Hodges Memorial Bridge		Memorial Bridge (Triborough Bridge)		Throgs Neck Bridge		Bronx Plaza		Throgs Neck Bridge		Bronx Plaza	
	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	S/B	E/B	W/B
12-1am	920	737	97	247	39	131	843	651	565	817	2,518	1,391	2,518	1,391	1,003	1,477
1-2am	524	466	63	111	22	63	421	343	340	498	4,473	2,713	4,473	2,713	3,449	2,809
2-3am	321	391	56	64	18	39	289	284	300	382	4,907 **	3,533	4,907 **	3,533	8,473	3,721
3-4am	367	426	85	57	17	31	310	364	403	401	4,194	3,384	4,194	3,384	9,860 **	4,584
4-5am	629	1,024	194	61	52	36	589	703	796	612	2,424	2,361	7,713	2,831	8,031	4,351
5-6am	1,686	2,220	550	146	326	123	1,104	1,813	2,518	1,391	2,143	2,271	3,194	2,765	6,158	3,498
6-7am	2,976	3,536	1,116	374	973	334	2,139	3,211 **	4,473	2,713	2,149	2,267	2,922	2,796	4,911	3,838
7-8am	4,438 **	3,353	1,359 **	609	1,667 **	466	2,950 **	2,574	4,907 **	3,533	2,950 **	2,574	4,907 **	3,533	8,473	3,721
8-9am	4,104	3,353	936	535	1,153	513	2,793	2,280	4,194	3,384	2,793	2,280	4,194	3,384	9,860 **	4,584
9-10am	3,516	3,113	620	465	789	420	2,424	2,361	3,713	2,831	2,424	2,361	3,713	2,831	8,031	4,351
10-11am	2,610	2,810	553	417	582	401	2,143	2,271	3,194	2,765	2,143	2,271	3,194	2,765	6,158	3,498
11-12am	1,995	2,447	585	406	527	415	2,149	2,267	2,922	2,796	2,610	2,738	2,922	2,796	4,911	3,838
12-1pm	2,536	2,445	574	462	494	462	2,014	2,311	2,610	2,738	2,610	2,738	2,610	2,738	4,337	3,897
1-2pm	2,431	2,832	582	531	515	557	1,993	2,303	2,643	3,006	2,643	3,006	2,643	3,006	4,124	4,370
2-3pm	2,517	3,016	727	711	579	651	2,130	2,574	2,853	3,830	2,130	2,574	2,853	3,830	4,344	5,865
3-4pm	3,000	3,161	802	891	717	979	2,485	2,568	2,864	4,785 **	2,485	2,568	2,864	4,785 **	4,826	7,762
4-5pm	3,027	3,560	667	906	667	1,056	2,297	2,724	2,927	4,578	2,297	2,724	2,927	4,578	5,773	7,710
5-6pm	2,878	3,935	698	936 **	672	1,166 **	2,178	2,688	2,883	4,232	2,178	2,688	2,883	4,232	6,157	7,773 **
6-7pm	2,770	3,989 **	497	877	526	1,138	2,063	2,485	2,888	4,311	2,063	2,485	2,888	4,311	6,155	7,375
7-8pm	2,668	2,906	394	799	368	828	1,775	2,064	2,716	3,431	1,775	2,064	2,716	3,431	5,434	6,294
8-9pm	2,218	2,347	335	600	240	580	1,555	1,460	1,999	2,552	1,555	1,460	1,999	2,552	4,417	4,811
9-10pm	1,937	1,971	246	446	181	413	1,437	1,262	1,600	1,963	1,437	1,262	1,600	1,963	3,583	3,564
10-11pm	1,543	1,725	202	363	158	301	1,243	1,019	1,283	1,431	1,243	1,019	1,283	1,431	3,296	3,110
11	1,265	1,223	189	252	67	174	1,267	1,049	841	1,246	1,267	1,049	841	1,246	3,228	2,628
Totals	52,876	56,986	12,127	11,266	11,349	11,277	40,591	43,629	56,432	60,226	56,432	60,226	103,618	94,505		

7-10am	12,058	9,819	2,915	1,609	3,609	1,399	8,167	7,215	12,814	9,748	26,364	12,656
10am-1pm	7,141	7,702	1,712	1,285	1,603	1,278	6,306	6,849	8,726	8,299	15,406	11,233
1-4pm	7,948	9,009	2,111	2,133	1,811	2,187	6,608	7,445	8,360	11,621	13,294	17,997
4-7pm	8,675	11,484	1,862	2,719	1,865	3,360	6,538	7,897	8,698	13,121	18,085	22,858
7am-7pm	35,822	38,014	8,600	7,746	8,888	8,224	27,619	29,406	38,598	42,789	73,149	64,744
6-10am	15,034	13,355	4,031	1,983	4,582	1,733	10,306	10,426	17,287	12,461	29,813	15,465
3-7pm	11,675	14,645	2,664	3,610	2,582	4,339	9,023	10,465	11,562	17,906	22,911	30,620
6am-7pm	38,798	41,550	9,716	8,120	9,861	8,558	29,758	32,617	43,071	45,502	76,598	67,553

** Peak Volumes

Hourly Vehicular Volumes

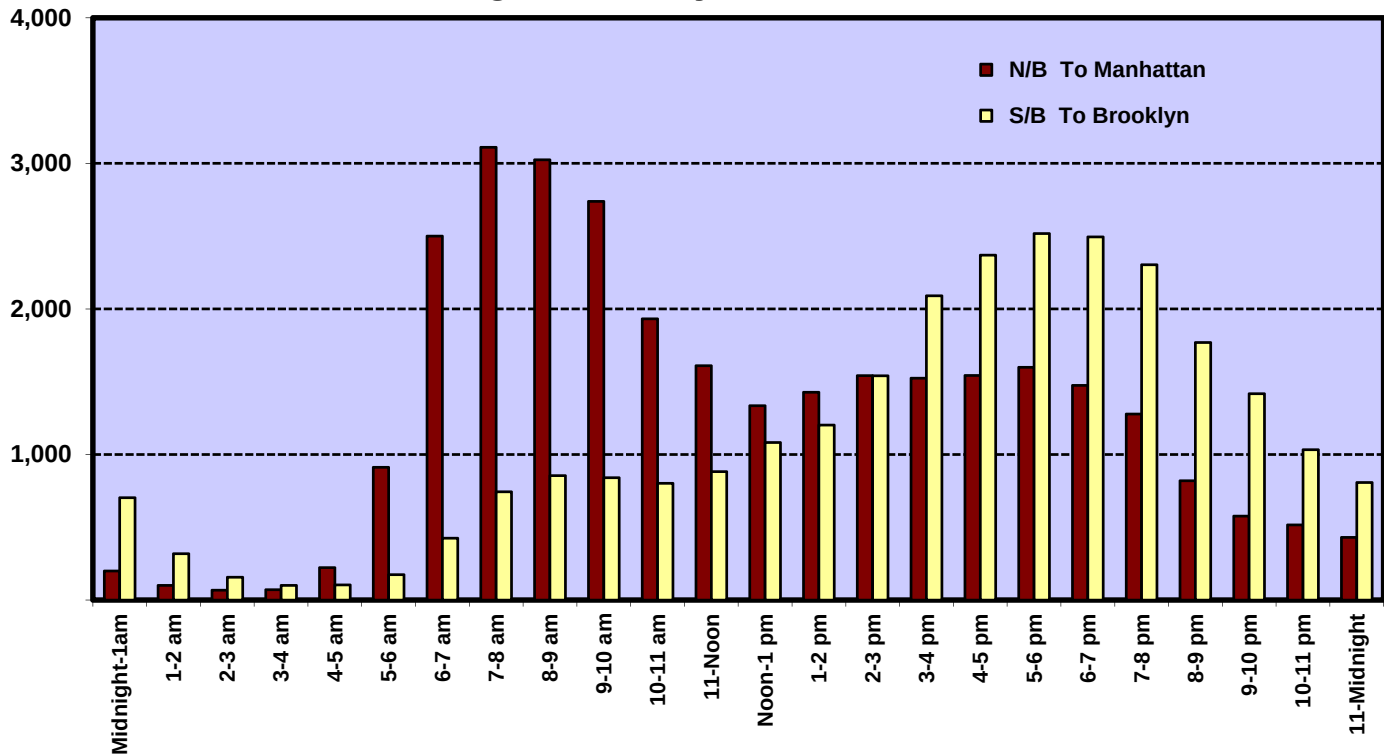
Hugh L. Carey Tunnel - 2015

Southbound to Brooklyn													
FHWA Classes ▲	Commuter Vans						Commercial Vans						2-Way Grand Totals
	Autos & Motorcycles			Commercial Vans			Autos & Motorcycles			Commercial Vans			
	1 & 2	3	4	5 - 7	8 - 13	Total Vehicles	1 & 2	3	4	5 - 7	8 - 13	Total Vehicles	
12-1am	172	6	11	11	0	200	640	14	42	7	0	703	903
1-2am	89	4	7	1	0	101	305	0	13	1	0	319	420
2-3am	61		4	3	0	68	149	2	4	2	0	157	225
3-4am	60	1	7	3	0	71	99	0	0	2	0	101	172
4-5am	143	8	55	17	0	223	96	0	6	2	0	104	327
5-6am	821	9	73	9	0	912	156	2	12	5	0	175	1,087
6-7am	2,234	15	224	28	0	2,501	316	7	89	13	0	425	2,926
7-8am	2,730	17	322	41	0	3,110	536	8	180	20	0	744	3,854
8-9am	2,645	15	329	36	0	3,025	624	7	203	21	0	855	3,880
9-10am	2,500	20	178	41	0	2,739	645	8	165	23	0	841	3,580
10-11am	1,758	23	98	52	1	1,932	701	9	75	17	0	802	2,734
11-12am	1,492	14	66	37	1	1,610	797	8	60	18	0	883	2,493
12-1pm	1,229	14	64	28	0	1,335	996	12	55	19	0	1,082	2,417
1-2pm	1,290	13	88	37	0	1,428	1,084	13	78	27	0	1,202	2,630
2-3pm	1,385	11	117	28	1	1,542	1,411	15	88	27	0	1,541	3,083
3-4pm	1,361	6	144	13	0	1,524	1,905	14	145	26	0	2,090	3,614
4-5pm	1,344	5	182	11	1	1,543	2,149	7	194	20	0	2,370	3,913
5-6pm	1,425	3	161	7	3	1,599	2,240	6	257	14	1	2,518	4,117
6-7pm	1,370	4	92	8	1	1,475	2,292	6	185	11	1	2,495	3,970
7-8pm	1,214	1	59	4	0	1,278	2,172	6	117	9	0	2,304	3,582
8-9pm	778	5	31	6	0	820	1,652	8	99	10	0	1,769	2,589
9-10pm	549	1	25	2	0	577	1,341	4	59	14	0	1,418	1,995
10-11pm	489	1	23	3	0	516	991	5	29	8	0	1,033	1,549
11-12pm	382	0	36	13	0	431	762	6	32	8	0	808	1,239
Totals	27,521	196	2,396	439	8	30,560	24,059	167	2,187	324	2	26,739	57,299
7-10am	7,875	52	829	118	0	8,874	1,805	23	548	64	0	2,440	11,314
10am-1pm	4,479	51	228	117	2	4,877	2,494	29	190	54	0	2,767	7,644
1-4pm	4,036	30	349	78	1	4,494	4,400	42	311	80	0	4,833	9,327
4-7pm	4,139	12	435	26	5	4,617	6,681	19	636	45	2	7,383	12,000
7am-7pm	20,529	145	1,841	339	8	22,862	15,380	113	1,685	243	2	17,423	40,285
6-10am	10,109	67	1,053	146	0	11,375	2,121	30	637	77	0	2,865	14,240
3-7pm	5,500	18	579	39	5	6,141	8,586	33	781	71	2	9,473	15,614
7am-7pm	22,763	160	2,065	367	8	25,363	15,696	120	1,774	256	2	17,848	43,211

Based on May 2006 Classification Survey Data.

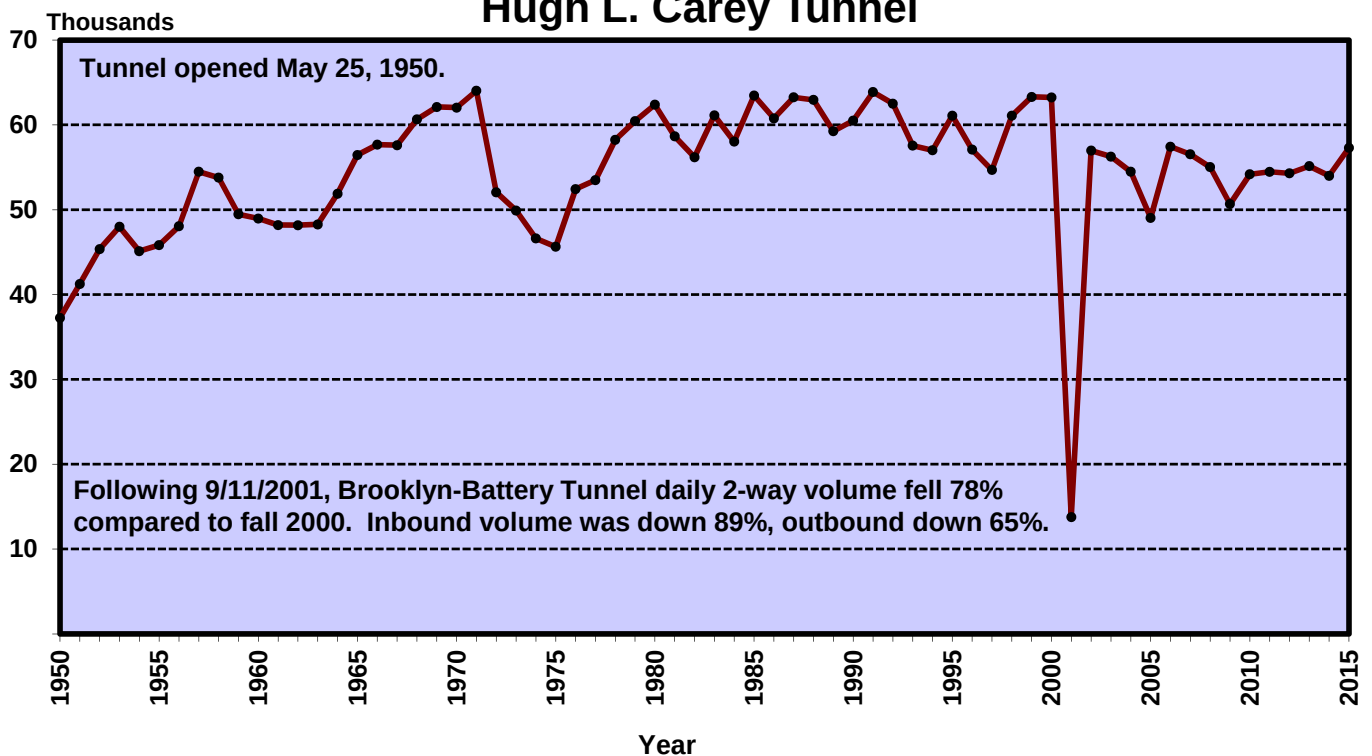
** Peak Volumes

Hourly Vehicular Volumes Hugh L. Carey Tunnel ~ 2015



Formerly Brooklyn-Battery Tunnel; officially renamed Hugh L. Carey Tunnel October 22, 2012.

Average Daily Traffic Volumes ~ Total of Both Directions Hugh L. Carey Tunnel



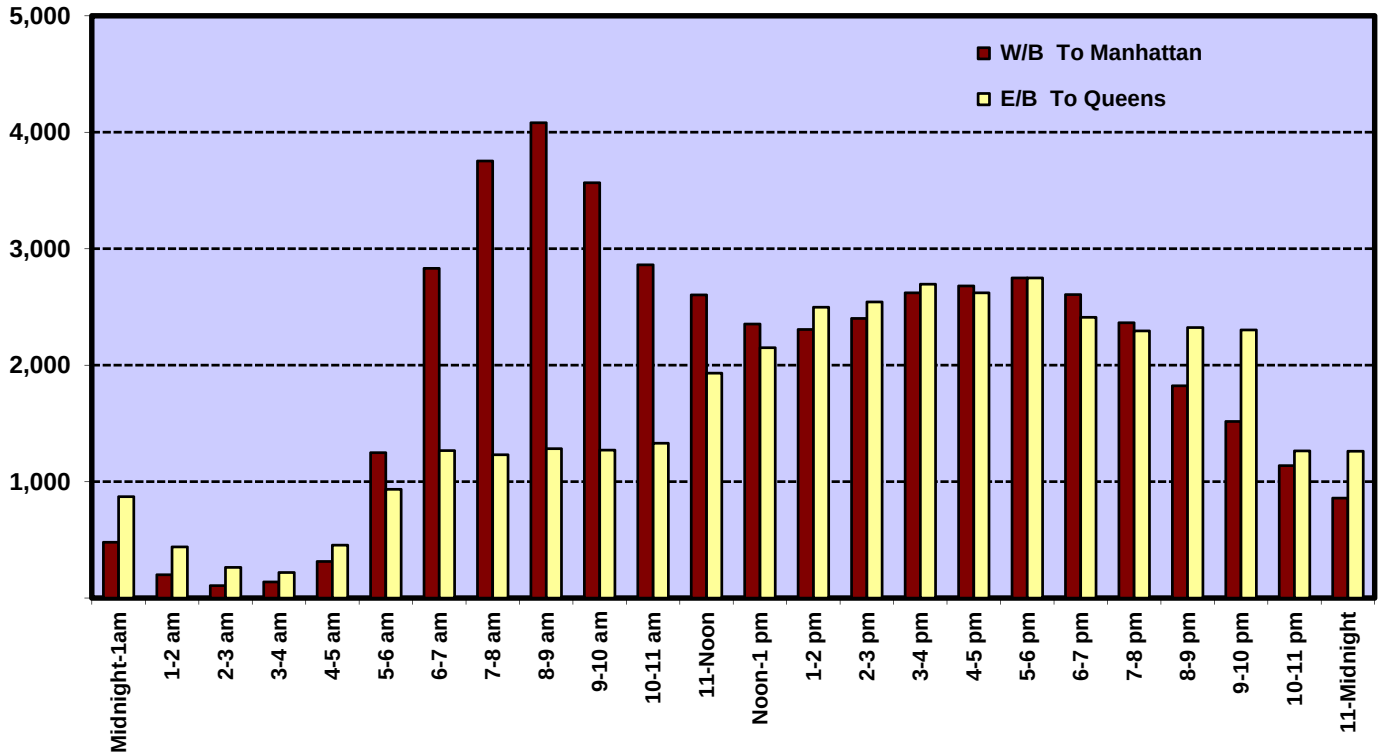
Hourly Vehicular Volumes Queens-Midtown Tunnel - 2015

Westbound to Manhattan													Eastbound to Queens													2-Way Grand Totals
FHWA Classes ▲	Commuter Vans					Single Unit Trucks	Tractor Trailers	Total Vehicles	Commuter Vans					Single Unit Trucks	Tractor Trailers	Total Vehicles										
	Autos & Motorcycles	Pickups Large SUVs	Buses	1 & 2	3				4	5 - 7	8 - 13	Autos & Motorcycles	Pickups Large SUVs				Buses	1 & 2	3	4	5 - 7	8 - 13				
12-1am	464	2	3	11	0	480			840	8	1	22	0	871				1,351								
1-2am	192	2	0	7	0	201			419	4	0	17	0	440				641								
2-3am	99	1	1	6	0	107			247	5	0	11	0	263				370								
3-4am	125	1	3	10	0	139			197	10	0	13	0	220				359								
4-5am	253	6	17	39	0	315			373	32	4	44	2	455				770								
5-6am	1,088	13	62	86	0	1,249			832	24	14	64	0	934				2,183								
6-7am	2,420	99	179	134	0	2,832			1,148	35	49	35	0	1,267				4,099								
7-8am	3,236	133	237	147	1	3,754			1,095	47	58	31	0	1,231				4,985								
8-9am	3,670	115	144	153	0	4,082	**		1,121	41	77	44	0	1,283				5,365								
9-10am	3,216	90	161	97	3	3,567			1,115	48	65	43	0	1,271				4,838								
10-11am	2,598	80	96	86	2	2,862			1,153	54	64	59	0	1,330				4,192								
11-12am	2,413	65	61	64	0	2,603			1,715	65	83	68	0	1,931				4,534								
12-1pm	2,182	36	54	81	0	2,353			1,925	69	59	97	0	2,150				4,503								
1-2pm	2,103	66	69	69	0	2,307			2,219	113	63	103	0	2,498				4,805								
2-3pm	2,180	58	110	54	0	2,402			2,357	73	44	69	0	2,543				4,945								
3-4pm	2,331	54	170	66	0	2,621			2,492	60	62	81	0	2,695				5,316								
4-5pm	2,451	33	163	34	0	2,681			2,417	72	61	71	0	2,621	**			5,302								
5-6pm	2,582	18	126	23	0	2,749			2,593	44	70	42	0	2,749				5,498								
6-7pm	2,490	18	73	25	0	2,606			2,291	29	55	36	0	2,411				5,017								
7-8pm	2,278	15	54	17	0	2,364			2,189	22	62	21	0	2,294				4,658								
8-9pm	1,734	23	32	34	0	1,823			2,208	27	43	45	0	2,323				4,146								
9-10pm	1,457	14	18	27	0	1,516			2,210	23	24	45	1	2,303				3,819								
10-11pm	1,088	8	12	29	0	1,137			1,219	13	7	25	0	1,264				2,401								
11-12pm	833	7	4	15	0	859			1,227	4	4	26	0	1,261				2,120								
Totals	43,483	957	1,849	1,314	6	47,609			35,602	922	969	1,112	3	38,608				86,217								
7-10am	10,122	338	542	397	4	11,403			3,331	136	200	118	0	3,785				15,188								
10am-1pm	7,193	181	211	231	2	7,818			4,793	188	206	224	0	5,411				13,229								
1-4pm	6,614	178	349	189	0	7,330			7,068	246	169	253	0	7,736				15,066								
4-7pm	7,523	69	362	82	0	8,036			7,301	145	186	149	0	7,781				15,817								
7am-7pm	31,452	766	1,464	899	6	34,587			22,493	715	761	744	0	24,713				59,300								
6-10am	12,542	437	721	531	4	14,235			4,479	171	249	153	0	5,052				19,287								
3-7pm	9,854	123	532	148	0	10,657			9,793	205	248	230	0	10,476				21,133								
7am-7pm	33,872	865	1,643	1,033	6	37,419			23,641	750	810	779	0	25,980				63,399								

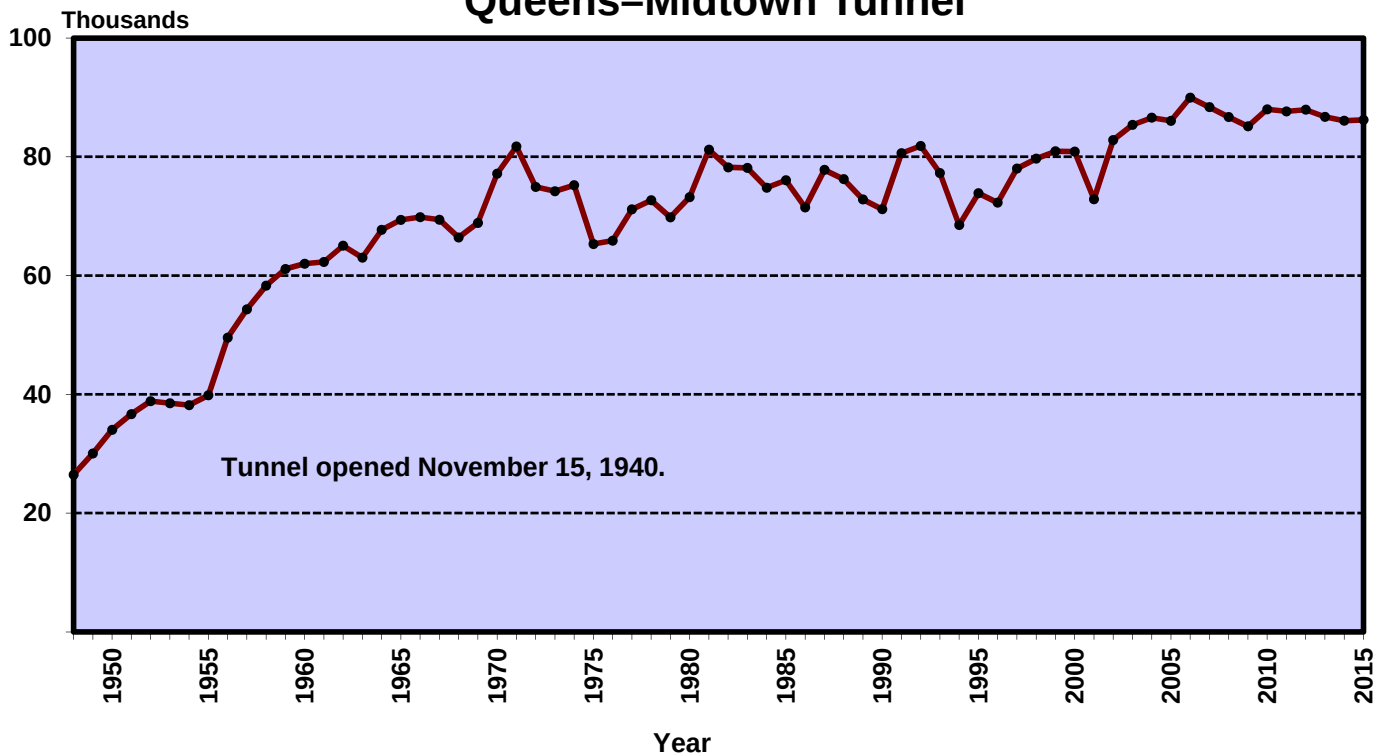
Based on May 2006 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Queens-Midtown Tunnel ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Queens-Midtown Tunnel



Hourly Vehicular Volumes

Robert F. Kennedy Memorial Bridge Manhattan Plaza - 2015

Eastbound to Queens & Bronx

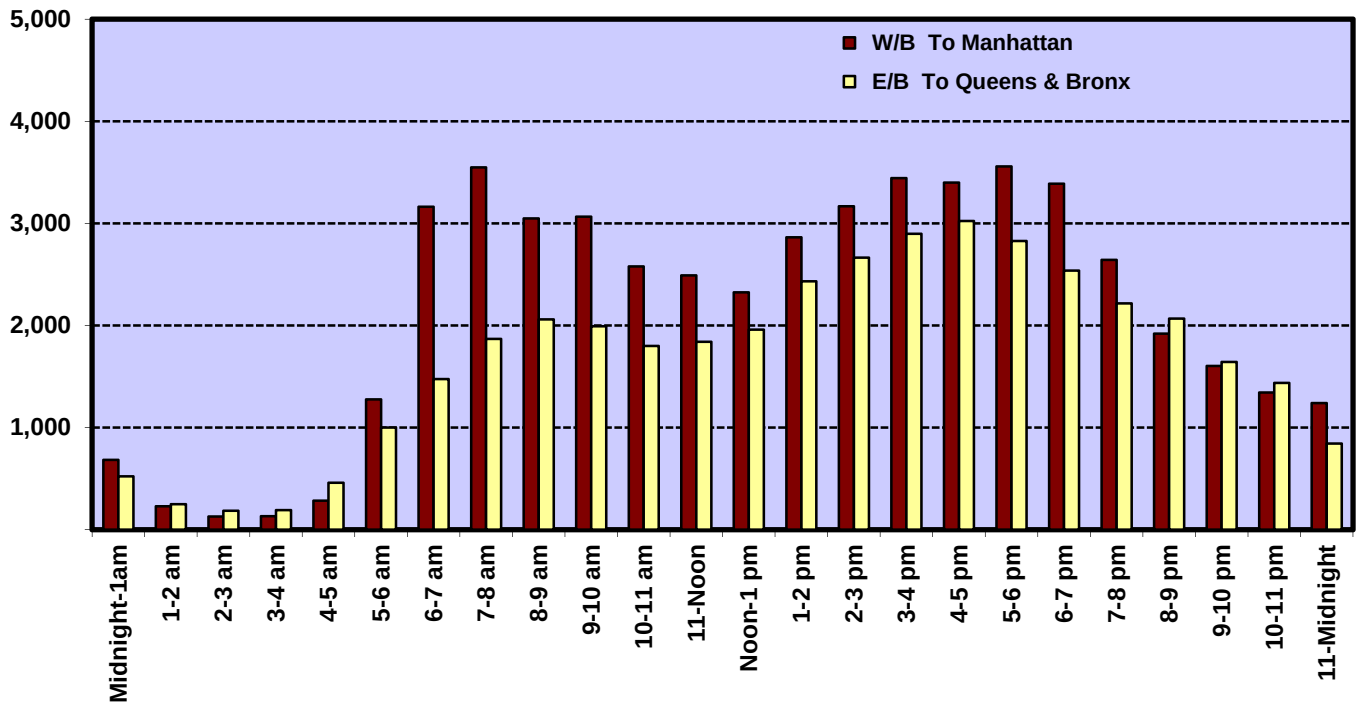
Westbound to Manhattan

FHWA Classes ▲	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles										Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles										2-way Grand Totals	
	Autos, SUVs, Family Vans					Motorcycles SUVs, Family Vans					Autos, SUVs, Family Vans					Motorcycles SUVs, Family Vans						
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		Total Vehicles
12-1am	445	20	12	4	33	9	523	453	182	13	6	21	9	684	1,207							
1-2am	180	13	5	2	44	6	250	165	40	3	2	11	8	229	479							
2-3am	136	10	4	1	25	9	185	89	10	9	1	11	9	129	314							
3-4am	137	10	11	1	23	10	192	96	7	7	0	12	11	133	325							
4-5am	325	71	8	3	36	17	460	221	22	10	3	14	15	285	745							
5-6am	717	114	30	8	78	54	1,001	1,022	83	43	12	74	42	1,276	2,277							
6-7am	1,033	173	48	26	149	47	1,476	2,531	180	165	56	138	93	3,163	4,639							
7-8am	1,331	180	116	43	144	54	1,868	2,708	268	236	86	157	94	3,549	5,417							
8-9am	1,555	174	139	32	137	23	2,060	2,202	262	242	55	192	95	3,048	5,108							
9-10am	1,491	164	129	19	141	49	1,993	2,152	369	216	40	179	109	3,065	5,058							
10-11am	1,280	152	119	21	176	51	1,799	1,683	440	168	33	149	106	2,579	4,378							
11-12am	1,251	196	132	12	192	58	1,841	1,694	415	128	30	125	98	2,490	4,331							
12-1pm	1,390	210	131	13	178	38	1,960	1,543	367	124	36	152	102	2,324	4,284							
1-2pm	1,679	295	170	18	223	48	2,433	1,941	371	212	42	177	121	2,864	5,297							
2-3pm	1,877	332	166	34	216	39	2,664	2,225	489	176	48	138	91	3,167	5,831							
3-4pm	2,088	313	214	43	214	26	2,898	2,491	539	174	52	119	68	3,443	6,341							
4-5pm	2,235	296	231	55	185	22	3,024	2,467	509	205	54	114	50	3,399	6,423							
5-6pm	2,317	201	155	20	116	18	2,827	2,697	536	143	47	93	42	3,558	6,385							
6-7pm	2,091	174	126	24	99	23	2,537	2,703	490	88	26	57	24	3,388	5,925							
7-8pm	1,859	110	111	32	78	27	2,217	2,101	406	43	31	38	24	2,643	4,860							
8-9pm	1,742	127	80	27	42	49	2,067	1,554	268	38	16	28	17	1,921	3,988							
9-10pm	1,400	124	46	19	34	20	1,643	1,259	284	16	17	15	13	1,604	3,247							
10-11pm	1,230	99	28	10	59	12	1,438	930	358	14	9	16	16	1,343	2,781							
11-12pm	726	45	26	7	29	10	843	764	409	18	10	19	21	1,241	2,084							
Totals	30,515	3,603	2,237	474	2,651	719	40,199	37,691	7,304	2,491	712	2,049	1,278	51,525	91,724							
7-10am	4,377	518	384	94	422	126	5,921	7,062	899	694	181	528	298	9,662	15,583							
10am-1pm	3,921	558	382	46	546	147	5,600	4,920	1,222	420	99	426	306	7,393	12,993							
1-4pm	5,644	940	550	95	653	113	7,995	6,657	1,399	562	142	434	280	9,474	17,469							
4-7pm	6,643	671	512	99	400	63	8,388	7,867	1,535	436	127	264	116	10,345	18,733							
7am-7pm	20,585	2,687	1,828	334	2,021	449	27,904	26,506	5,055	2,112	549	1,652	1,000	36,874	64,778							
6-10am	5,410	691	432	120	571	173	7,397	9,593	1,079	859	237	666	391	12,825	20,222							
3-7pm	8,731	984	726	142	614	89	11,286	10,358	2,074	610	179	383	184	13,788	25,074							
6am-7pm	21,618	2,860	1,876	360	2,170	496	29,380	29,037	5,235	2,277	605	1,790	1,093	40,037	69,417							

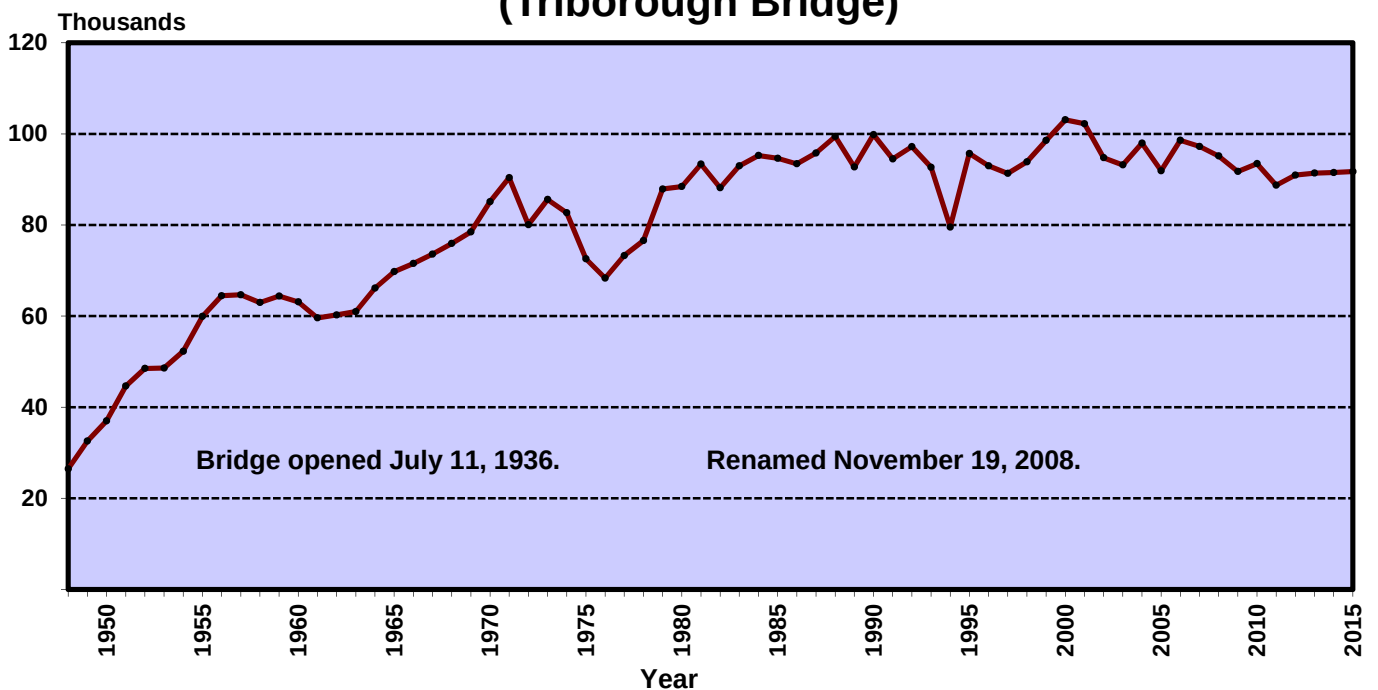
Based on October 2013 Classification Survey Data.

** Peak Volumes

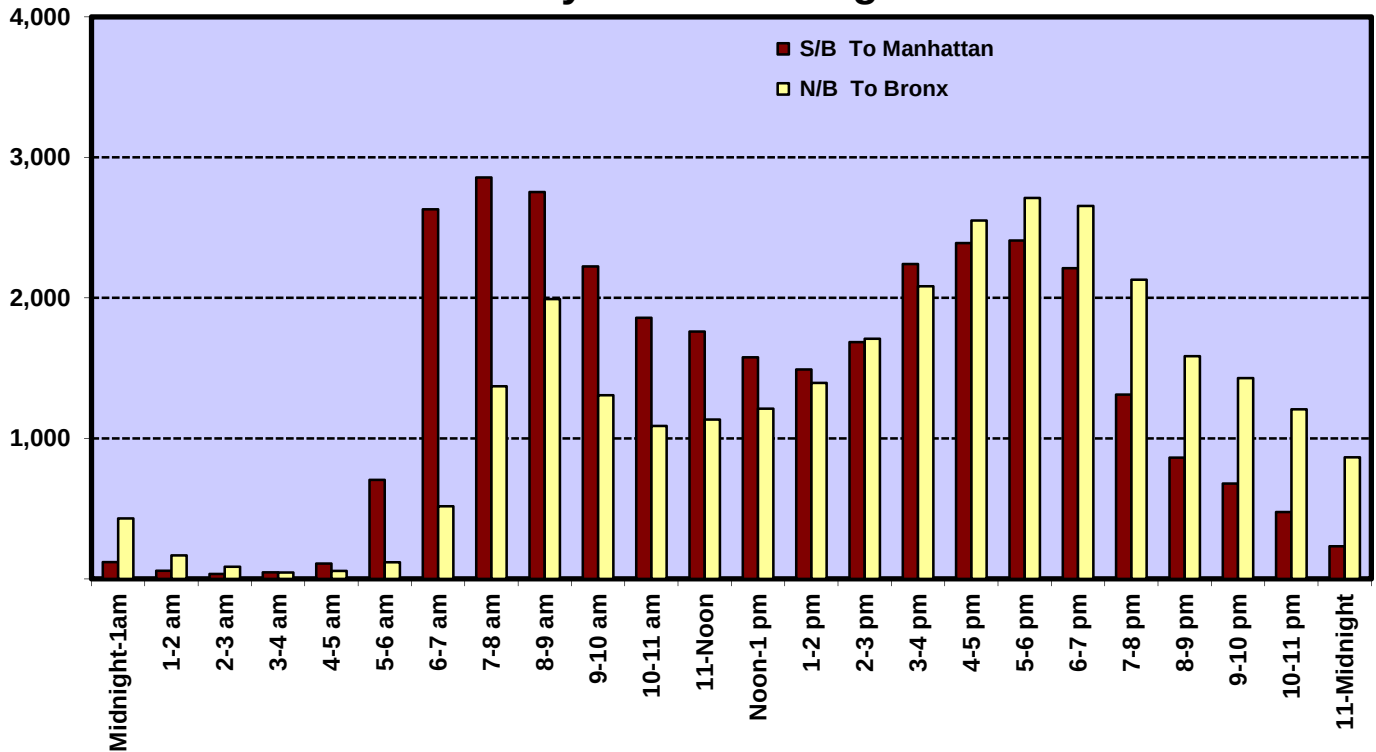
Hourly Vehicular Volumes Robert F. Kennedy Memorial Bridge, Manhattan Plaza ~ 2015 (Triborough Bridge)



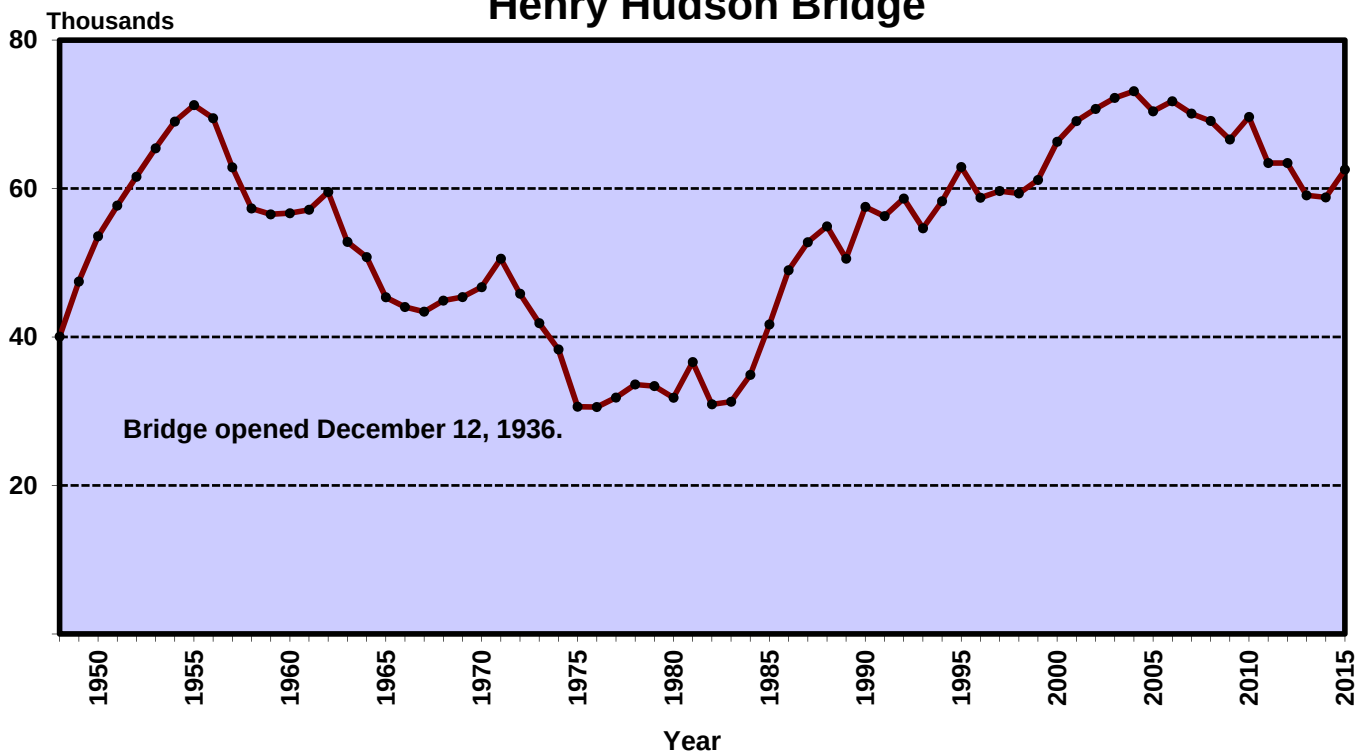
Average Daily Traffic Volumes ~ Total of Both Directions Robert F. Kennedy Memorial Bridge, Manhattan Plaza (Triborough Bridge)



Hourly Vehicular Volumes Henry Hudson Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Henry Hudson Bridge



Hourly Vehicular Volumes

Bronx-Whitestone Bridge - 2015

Northbound to Bronx

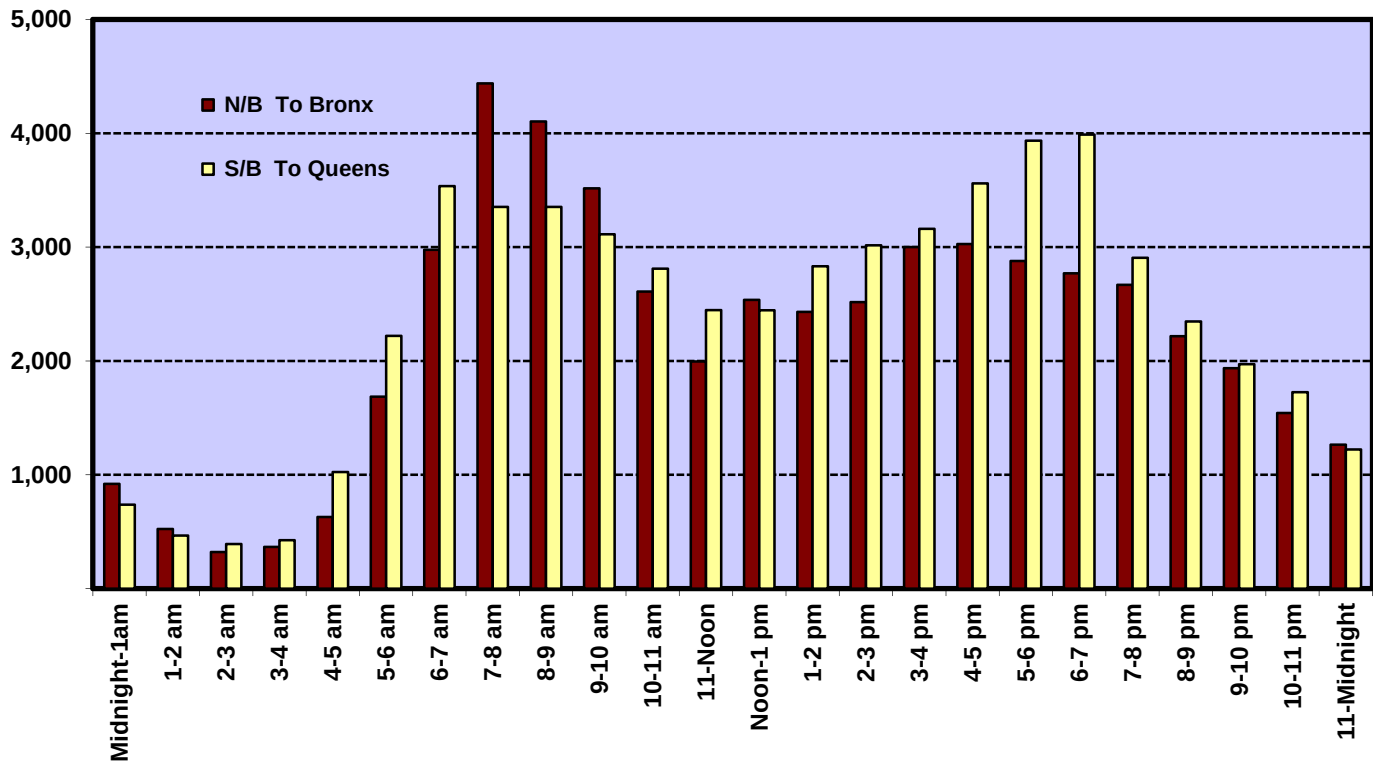
FHWA Classes ▲	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles							Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles							Total Vehicles
	Autos, SUVs, Family Vans			Motorcycles Taxi, Livery, Limos				Autos, SUVs, Family Vans			Motorcycles Taxi, Livery, Limos				
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		
12-1am	695	80	26	7	50	62	920	606	38	26	10	10	47	737	
1-2am	356	46	27	4	32	59	524	369	22	14	6	12	43	466	
2-3am	164	38	19	4	44	52	321	255	16	14	1	31	74	391	
3-4am	191	31	19	4	64	58	367	278	22	22	5	30	69	426	
4-5am	375	61	32	7	93	61	629	764	46	65	6	54	89	1,024	
5-6am	1,210	152	78	34	123	89	1,686	1,753	78	138	30	74	147	2,220	
6-7am	2,302	149	235	62	161	67	2,976	2,688	165	303	62	169	149	3,536	
7-8am	3,538	210	327	90	178	95	4,438	2,683	141	251	46	114	118	3,353	
8-9am	3,345	108	367	36	146	102	4,104	2,750	139	220	23	154	67	3,353	
9-10am	2,751	119	319	37	192	98	3,516	2,459	136	209	35	164	110	3,113	
10-11am	1,964	76	315	27	112	116	2,610	2,185	114	192	29	171	119	2,810	
11-12am	1,496	57	185	19	124	114	1,995	1,853	104	215	12	163	100	2,447	
12-1pm	1,880	96	236	37	139	148	2,536	1,926	95	207	11	125	81	2,445	
1-2pm	1,868	78	202	26	141	116	2,431	2,193	112	252	24	169	82	2,832	
2-3pm	1,926	109	266	34	106	76	2,517	2,381	151	216	41	170	57	3,016	
3-4pm	2,357	133	268	54	110	78	3,000	2,486	160	266	69	125	55	3,161	
4-5pm	2,404	153	236	64	88	82	3,027	2,958	139	251	43	111	58	3,560	
5-6pm	2,285	159	266	31	76	61	2,878	3,234	195	323	26	98	59	3,935	
6-7pm	2,346	162	152	23	38	49	2,770	3,373	216	278	21	60	41	3,989	
7-8pm	2,340	143	94	24	20	47	2,668	2,443	157	202	20	41	43	2,906	
8-9pm	1,920	124	63	19	43	49	2,218	2,013	123	121	15	20	55	2,347	
9-10pm	1,676	122	52	17	27	43	1,937	1,704	92	78	18	34	45	1,971	
10-11pm	1,298	103	54	10	27	51	1,543	1,482	104	64	17	16	42	1,725	
11-12pm	1,011	120	35	12	35	52	1,265	1,033	67	49	15	10	49	1,223	
Totals	41,698	2,629	3,873	682	2,169	1,825	52,876	45,869	2,632	3,976	585	2,125	1,799	56,986	

7-10am	9,634	437	1,013	163	516	295	12,058	7,892	416	680	104	432	295	9,819	21,877
10am-1pm	5,340	229	736	83	375	378	7,141	5,964	313	614	52	459	300	7,702	14,843
1-4pm	6,151	320	736	114	357	270	7,948	7,060	423	734	134	464	194	9,009	16,957
4-7pm	7,035	474	654	118	202	192	8,675	9,565	550	852	90	269	158	11,484	20,159
7am-7pm	28,160	1,460	3,139	478	1,450	1,135	35,822	30,481	1,702	2,880	380	1,624	947	38,014	73,836
6-10am	11,936	586	1,248	225	677	362	15,034	10,580	581	983	166	601	444	13,355	28,389
3-7pm	9,392	607	922	172	312	270	11,675	12,051	710	1,118	159	394	213	14,645	26,320
6am-7pm	30,462	1,609	3,374	540	1,611	1,202	38,798	33,169	1,867	3,183	442	1,793	1,096	41,550	80,348

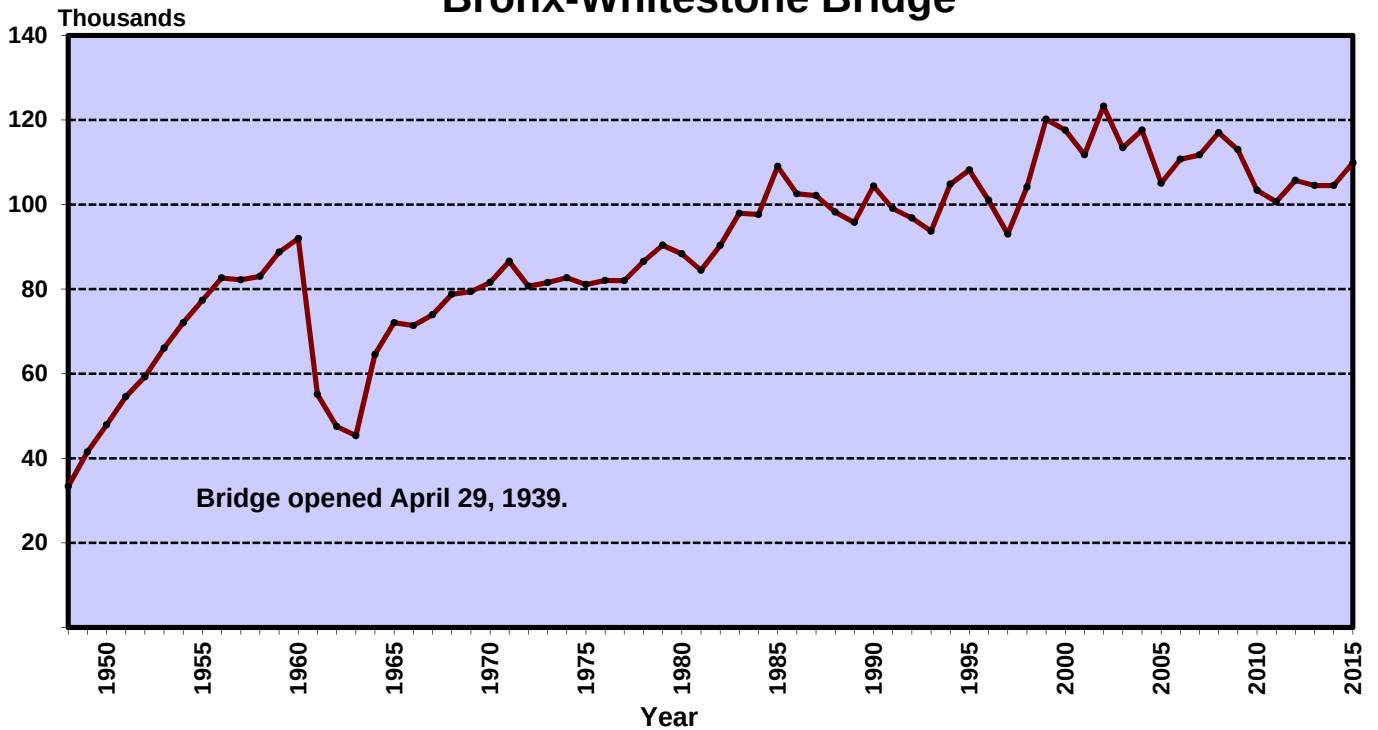
Based on November 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Bronx-Whitestone Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Bronx-Whitestone Bridge



Hourly Vehicular Volumes

Robert F. Kennedy Memorial Bridge Bronx Plaza - 2015

Northbound to Bronx

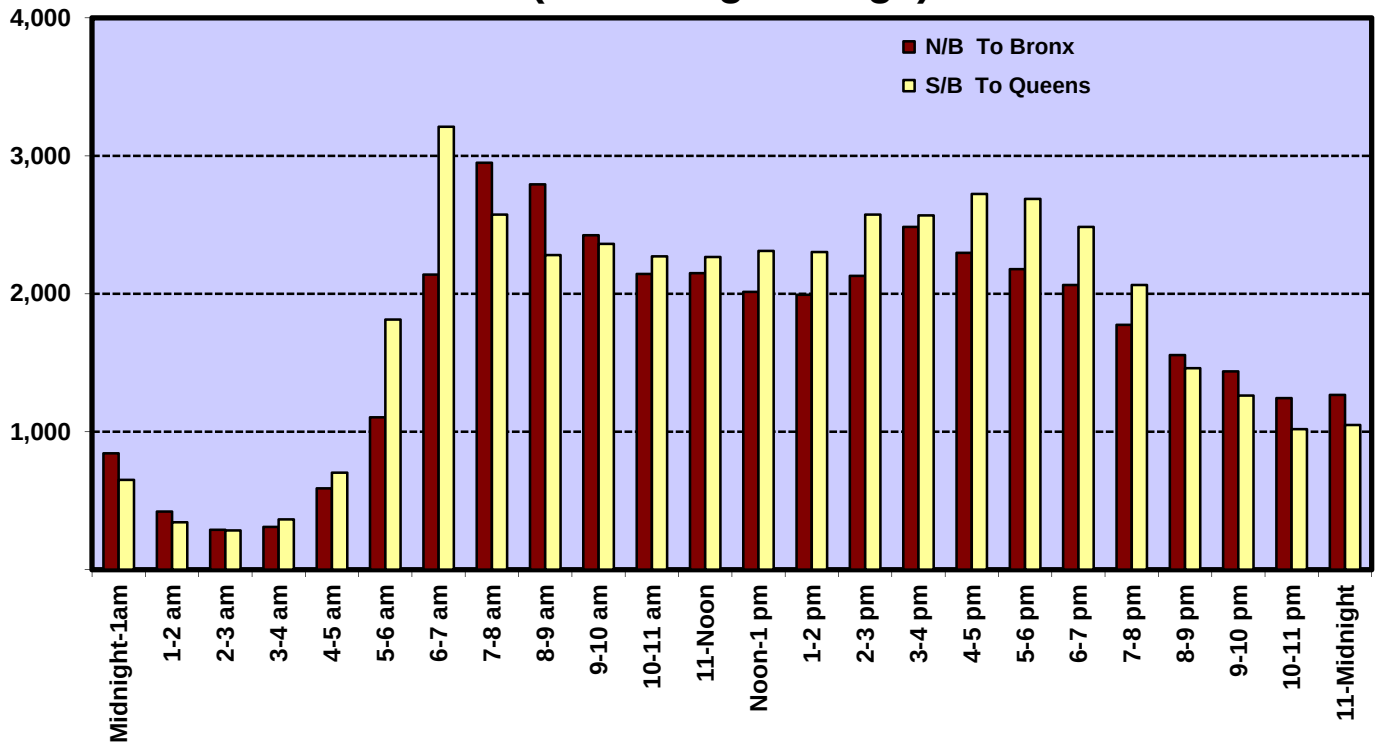
Southbound to Queens

FHWA Classes ▲	Autos, Motorcycles							Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles							Total Vehicles			2-way Grand Totals
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	Autos, Motorcycles	Taxis, Liveries, Limos	Buses	Single Unit Trucks	Multiple Unit Trucks	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	
12-1am	557	224	17	7	26	12	843	1, 2, 3	24	14	5	12	14	5	41	12	651	1,494
1-2am	304	74	6	4	19	14	421	555	17	7	3	9	246	3	61	9	343	764
2-3am	198	23	21	2	26	19	289	209	15	6	2	14	209	2	38	14	284	573
3-4am	224	17	15	1	28	25	310	260	18	21	2	20	260	2	43	20	364	674
4-5am	455	46	21	6	30	31	589	496	109	13	5	26	1,298	5	54	26	703	1,292
5-6am	885	71	37	10	64	37	1,104	1,298	206	54	15	99	1,813	15	141	99	1,813	2,917
6-7am	1,711	122	112	38	93	63	2,139	2,247	377	104	56	102	3,211	56	325	102	3,211	5,350
7-8am	2,251	222	197	72	130	78	2,950	1,834	248	160	59	74	2,574	59	199	74	2,574	5,524
8-9am	2,018	240	221	51	176	87	2,793	1,721	192	154	36	26	5,073	36	151	26	5,073	8,765
9-10am	1,702	292	171	31	142	86	2,424	1,768	194	152	22	58	2,361	22	167	58	2,361	4,414
10-11am	1,399	366	139	27	124	88	2,143	1,616	191	150	27	65	2,271	27	222	65	2,271	4,416
11-12am	1,461	358	111	26	108	85	2,149	1,543	241	162	14	71	2,267	14	236	71	2,267	4,325
12-1pm	1,337	318	108	31	132	88	2,014	1,640	247	154	15	45	2,311	15	210	45	2,311	4,296
1-2pm	1,352	258	147	29	123	84	1,993	1,589	279	160	17	46	2,303	17	211	46	2,303	4,704
2-3pm	1,497	329	118	32	93	61	2,130	1,814	321	160	33	38	2,574	33	208	38	2,574	5,053
3-4pm	1,798	389	126	37	86	49	2,485	1,852	277	189	38	23	2,724	38	189	23	2,724	5,021
4-5pm	1,667	344	138	37	77	34	2,297	2,014	266	208	49	20	2,688	49	167	20	2,688	4,866
5-6pm	1,651	328	87	29	57	26	2,178	2,204	191	147	19	17	2,485	19	110	17	2,485	4,548
6-7pm	1,645	299	53	16	35	15	2,063	2,049	170	123	24	22	2,064	24	97	22	2,064	3,839
7-8pm	1,411	273	29	21	25	16	1,775	1,731	102	104	29	25	1,460	29	73	25	1,460	3,015
8-9pm	1,257	217	31	13	23	14	1,555	1,231	90	56	19	15	1,262	19	29	15	1,262	2,699
9-10pm	1,129	254	14	15	14	11	1,437	1,077	95	35	14	8	1,019	14	26	8	1,019	2,262
10-11pm	861	331	13	8	15	15	1,243	871	71	20	7	12	1,049	7	42	12	1,049	2,316
11-12pm	780	418	19	10	19	21	1,267	904	56	32	9				36			
Totals	29,550	5,813	1,951	553	1,665	1,059	40,591	32,769	3,997	2,386	519	882	43,629	519	3,076	882	43,629	84,220
7-10am	5,971	754	589	154	448	251	8,167	5,323	634	466	117	158	7,215	117	517	158	7,215	15,382
10am-1pm	4,197	1,042	358	84	364	261	6,306	4,799	679	466	56	181	6,849	56	668	181	6,849	13,155
1-4pm	4,647	976	391	98	302	194	6,608	5,255	877	510	88	107	7,445	88	608	107	7,445	14,053
4-7pm	4,963	971	278	82	169	75	6,538	6,267	627	478	92	59	7,897	92	374	59	7,897	14,435
7am-7pm	19,778	3,743	1,616	418	1,283	781	27,619	21,644	2,817	1,920	353	505	29,406	353	2,167	505	29,406	57,025
6-10am	7,682	876	701	192	541	314	10,306	7,570	1,011	570	173	260	10,426	173	842	260	10,426	20,732
3-7pm	6,761	1,360	404	119	255	124	9,023	8,119	904	667	130	82	10,465	130	563	82	10,465	19,488
6am-7pm	21,489	3,865	1,728	456	1,376	844	29,758	23,891	3,194	2,024	409	607	32,617	409	2,492	607	32,617	62,375

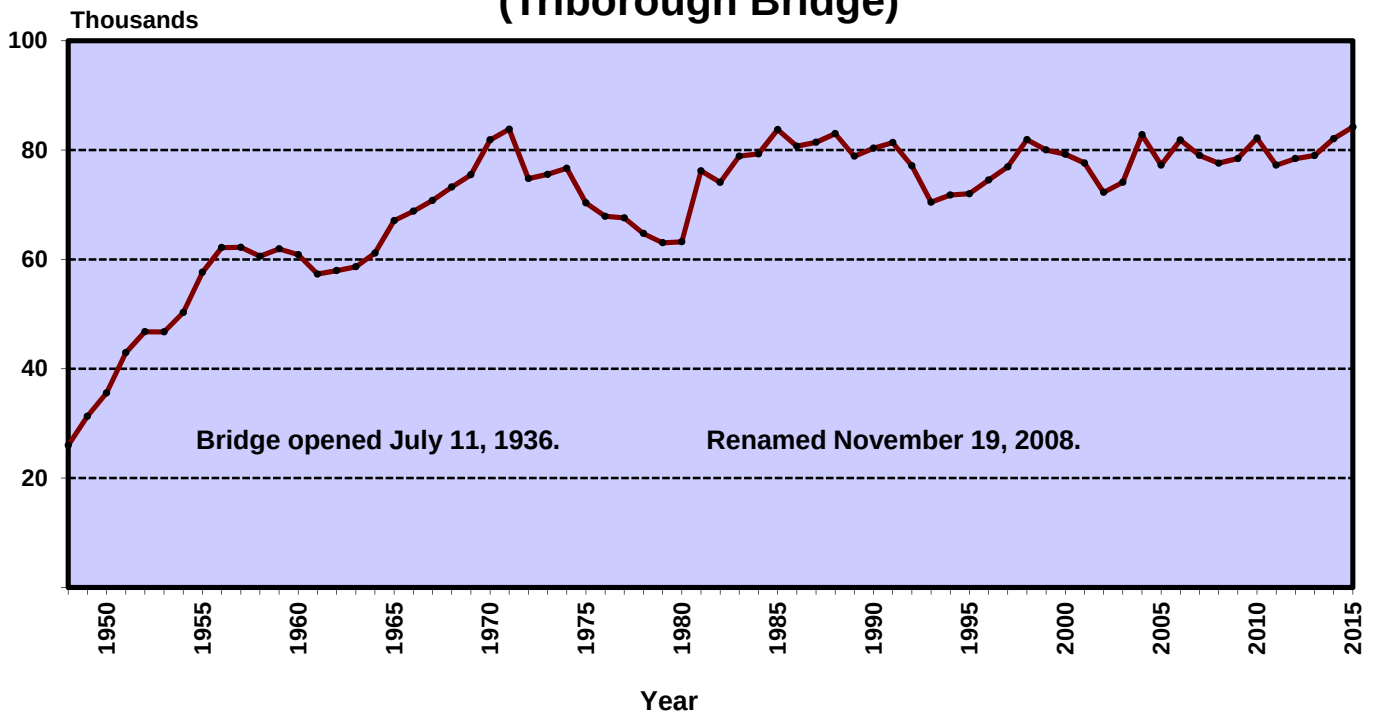
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Robert F. Kennedy Memorial Bridge, Bronx Plaza ~ 2015 (Triborough Bridge)



Average Daily Traffic Volumes ~ Total of Both Directions Robert F. Kennedy Memorial Bridge, Bronx Plaza (Triborough Bridge)



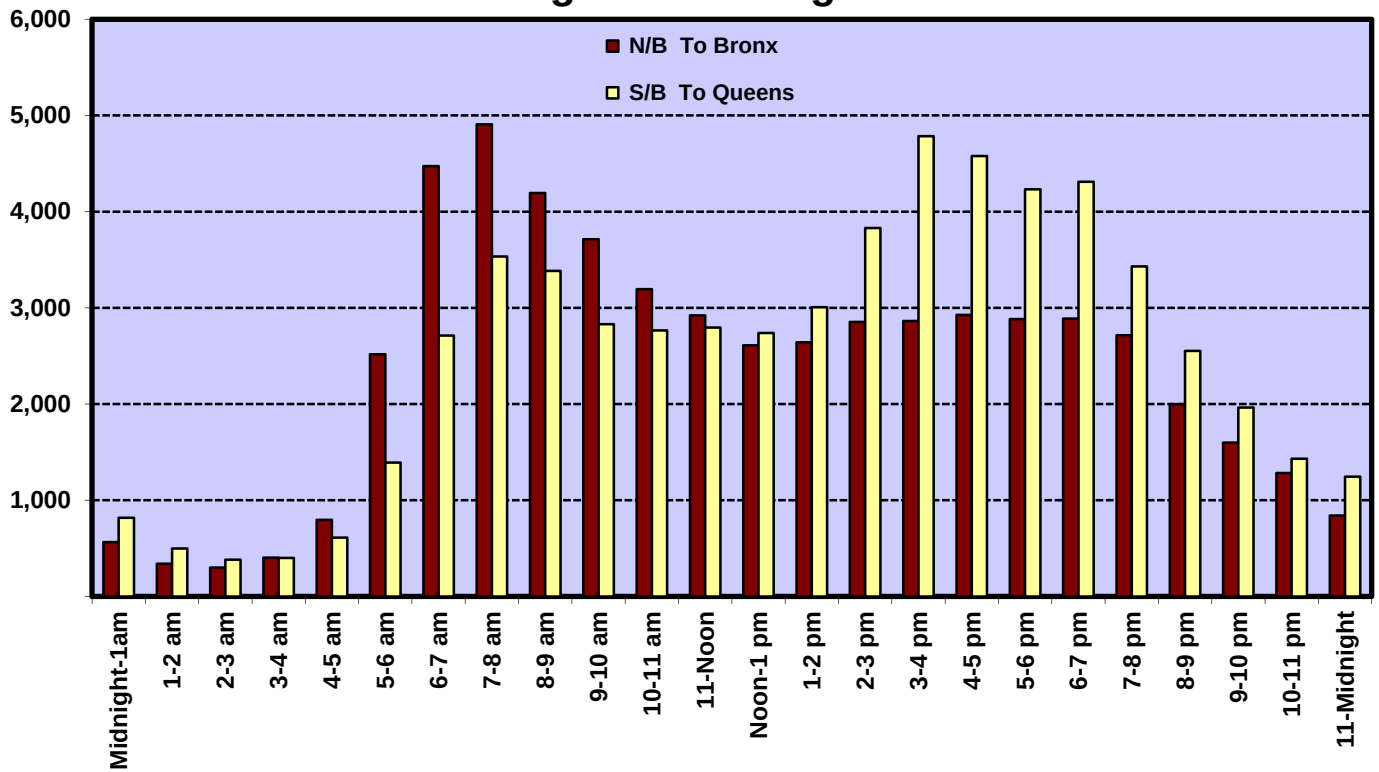
Hourly Vehicular Volumes
Throgs Neck Bridge - 2015

Northbound to Bronx											Southbound to Queens											2-way Grand Totals
FHWA Classes ▶	Commercial Vans, Panel Trucks, Pickups,					Autos, Motorcycles					Commercial Vans, Panel Trucks, Pickups,					Autos, Motorcycles						
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	Single Unit Trucks	Multiple Unit Trucks	Taxis, Limos	Fleet Vehicles	Buses	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	
12-1am	350	57	31	0	33	94	565						620	47	7	1	13	129			817	
1-2am	178	23	27	0	23	89	340						307	29	11	1	34	116			498	
2-3am	127	25	21	0	21	106	300						193	17	14	0	39	119			382	
3-4am	173	27	31	0	55	117	403						185	23	14	1	39	139			401	
4-5am	429	47	68	1	71	180	796						261	37	15	0	85	228			612	
5-6am	1,871	97	165	2	154	229	2,518						730	37	48	6	187	383			1,391	
6-7am	3,593	103	351	15	214	197	4,473	**					1,900	46	162	14	221	370			2,713	
7-8am	4,184	39	327	43	163	151	4,907						2,889	28	182	29	199	206			3,533	
8-9am	3,467	51	265	33	164	214	4,194						2,778	51	164	28	177	186			3,384	
9-10am	3,016	38	220	42	149	248	3,713						2,194	31	174	17	190	225			2,831	
10-11am	2,315	37	222	18	192	410	3,194						2,040	18	194	28	188	297			2,765	
11-12am	2,182	32	152	10	180	366	2,922						2,086	14	181	8	204	303			2,796	
12-1pm	1,934	32	154	20	165	305	2,610						2,034	25	252	15	207	205			2,738	
1-2pm	1,922	47	171	24	179	300	2,643						2,250	18	305	46	200	187			3,006	
2-3pm	2,190	53	158	13	180	259	2,853						3,078	28	313	27	205	179			3,830	
3-4pm	2,293	50	157	26	161	177	2,864						4,116	32	312	44	166	115		**	4,785	
4-5pm	2,441	80	139	17	117	133	2,927						4,008	28	288	18	141	95			4,578	
5-6pm	2,483	76	125	11	85	103	2,883						3,820	42	186	10	100	74			4,232	
6-7pm	2,503	65	124	7	68	121	2,888						3,900	51	166	10	97	87			4,311	
7-8pm	2,310	77	129	5	61	134	2,716						3,072	47	126	7	70	109			3,431	
8-9pm	1,682	62	94	3	39	119	1,999						2,290	36	79	6	37	104			2,552	
9-10pm	1,362	50	46	0	23	119	1,600						1,701	40	74	1	27	120			1,963	
10-11pm	1,025	42	43	4	18	151	1,283						1,287	40	52	3	17	32			1,431	
11-12pm	675	36	31	0	14	85	841						1,043	29	29	3	14	128			1,246	
Totals	44,705	1,246	3,251	294	2,529	4,407	56,432						48,782	780	3,348	323	2,857	4,136			60,226	
7-10am	10,667	128	812	118	476	613	12,814						7,861	110	520	74	566	617			9,748	
10am-1pm	6,431	101	528	48	537	1,081	8,726						6,160	57	627	51	599	805			8,299	
1-4pm	6,405	150	486	63	520	736	8,360						9,444	78	930	117	571	481			11,621	
4-7pm	7,427	221	388	35	270	357	8,698						11,728	121	640	38	338	256			13,121	
7am-7pm	30,930	600	2,214	264	1,803	2,787	38,598						35,193	366	2,717	280	2,074	2,159			42,789	
6-10am	14,260	231	1,163	133	690	810	17,287						9,761	156	682	88	787	987			12,461	
3-7pm	9,720	271	545	61	431	534	11,562						15,844	153	952	82	504	371			17,906	
6am-7pm	34,523	703	2,565	279	2,017	2,984	43,071						37,093	412	2,879	294	2,295	2,529			45,502	
																					88,573	

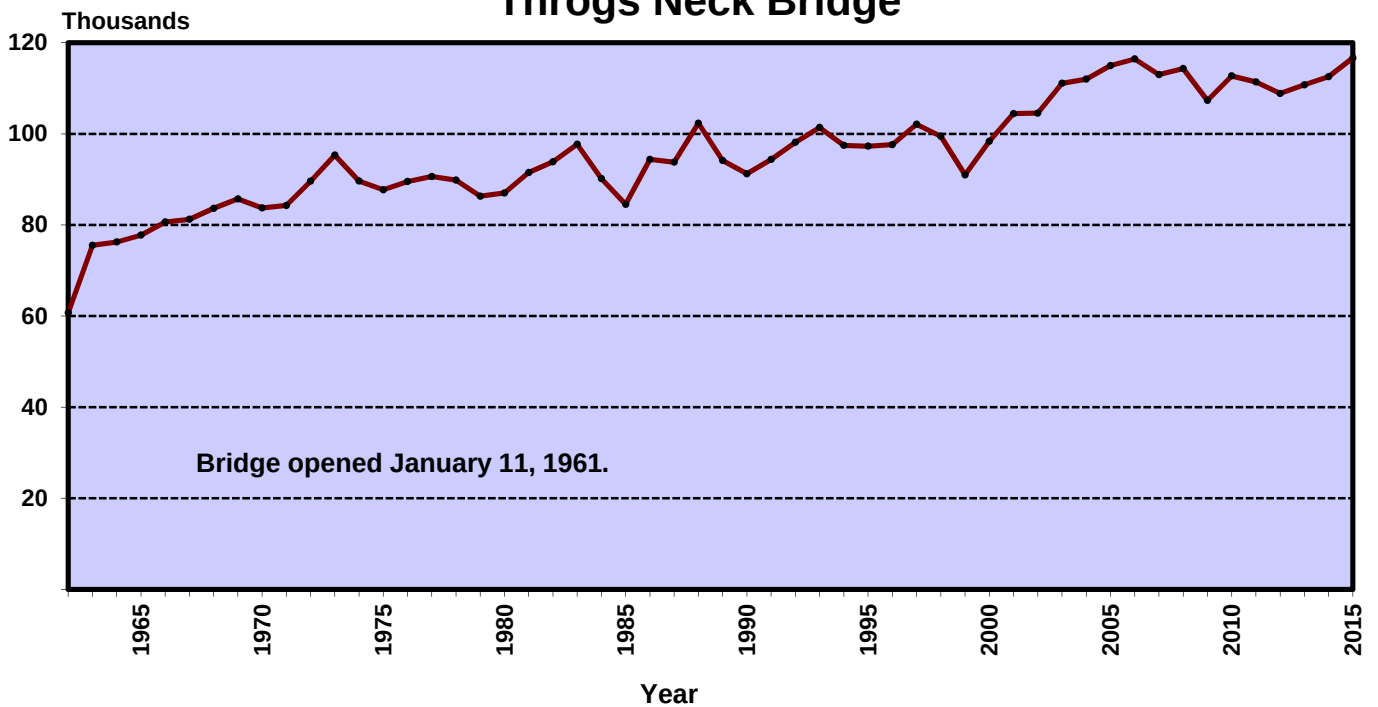
Based on November 2013 Classification Survey Data.

*** Peak Volumes

Hourly Vehicular Volumes Throgs Neck Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Throgs Neck Bridge



Hourly Vehicular Volumes

Verrazano-Narrows Bridge - 2015

Eastbound to Brooklyn

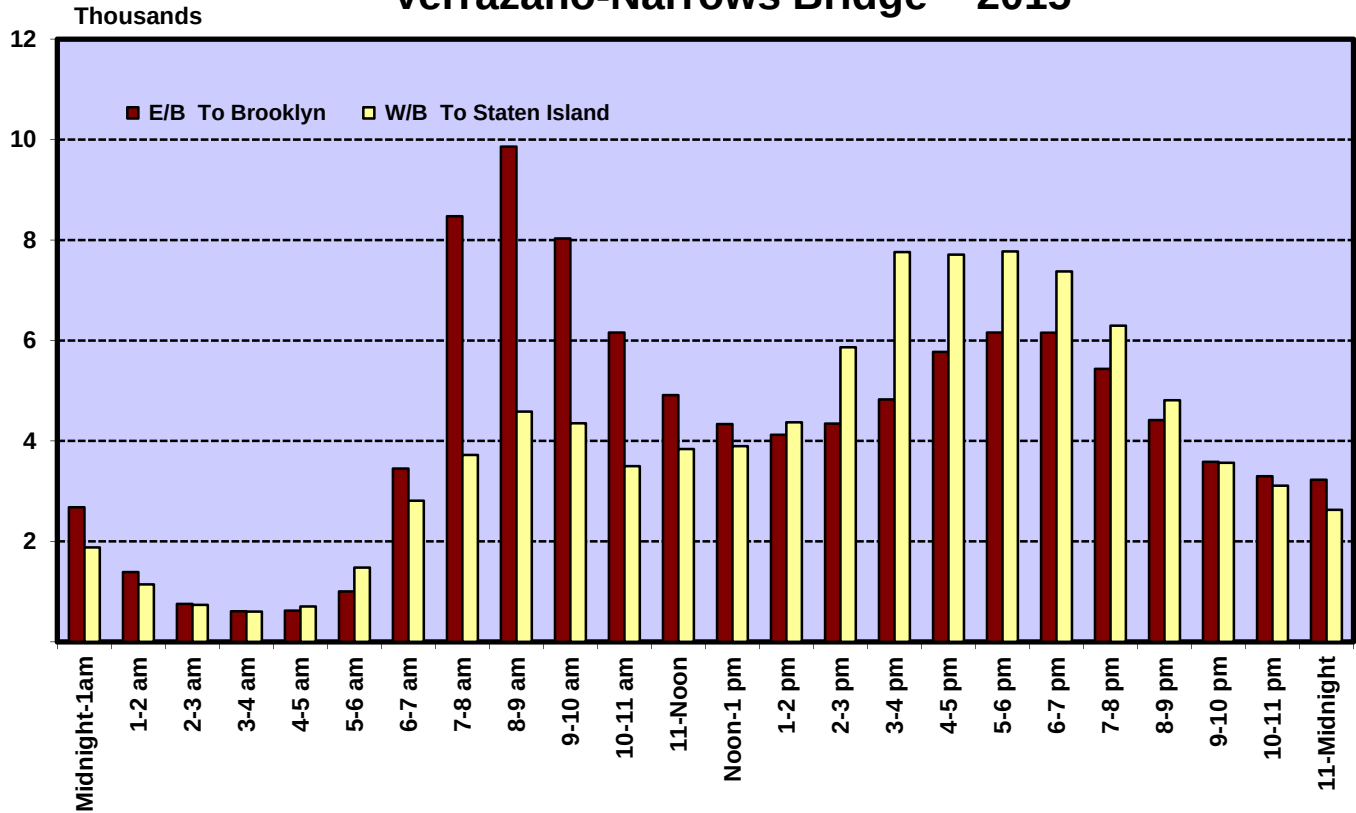
Westbound to Staten Island

FHWA Classes ▲	Eastbound to Brooklyn							Westbound to Staten Island							2-way Grand Totals
	Autos, SUVs, Family Vans	Taxis, Liveries, Limos	Motorcycles	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Autos, SUVs, Family Vans	Taxis, Liveries, Limos	Motorcycles	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		1, 2, 3	2	2 & 3	4	5 - 7	8 - 13		
12-1am	2,318	51	27	32	56	196	2,680	1,731	35	30	13	32	40	1,881	4,561
1-2am	1,074	33	9	26	54	194	1,390	1,013	38	15	16	20	41	1,143	2,533
2-3am	479	15	14	10	56	182	756	610	22	13	10	43	39	737	1,493
3-4am	439	10	6	4	42	109	610	471	15	14	23	55	26	604	1,214
4-5am	480	9	5	6	36	87	623	555	9	16	15	53	55	703	1,326
5-6am	858	50	6	11	25	53	1,003	1,207	20	28	39	124	59	1,477	2,480
6-7am	3,045	89	91	58	71	95	3,449	2,349	17	77	106	146	114	2,809	6,258
7-8am	7,526	87	332	217	137	174	8,473	3,198	18	144	125	150	86	3,721	12,194
8-9am	8,565	136	417	199	279	264	9,860	3,951	17	161	147	170	108	4,584	14,444
9-10am	6,935	64	247	132	330	323	8,031	3,653	28	177	167	202	124	4,351	12,382
10-11am	5,362	80	254	87	210	165	6,158	2,876	14	136	80	209	183	3,498	9,656
11-12am	4,148	29	173	60	226	275	4,911	3,198	22	153	51	223	191	3,838	8,749
12-1pm	3,712	35	177	47	159	207	4,337	3,293	29	137	63	234	151	3,897	8,234
1-2pm	3,580	42	126	67	172	137	4,124	3,848	30	118	57	188	129	4,370	8,494
2-3pm	3,797	54	122	57	207	107	4,344	5,326	26	117	67	209	120	5,865	10,209
3-4pm	4,211	49	134	121	191	120	4,826	7,131	22	182	77	223	127	7,762	12,588
4-5pm	4,948	79	211	211	192	132	5,773	7,063	34	205	143	162	103	7,710	13,483
5-6pm	5,514	80	97	153	177	136	6,157	7,308	35	93	167	102	68	7,773	13,930
6-7pm	5,617	60	87	116	130	145	6,155	6,918	45	109	171	80	52	7,375	13,530
7-8pm	4,955	44	82	64	87	202	5,434	5,912	32	91	128	64	67	6,294	11,728
8-9pm	4,017	38	54	54	81	173	4,417	4,510	33	46	65	57	100	4,811	9,228
9-10pm	3,235	29	28	52	63	176	3,583	3,326	25	39	59	47	68	3,564	7,147
10-11pm	2,941	23	33	35	66	198	3,296	2,895	31	19	32	42	91	3,110	6,406
11-12pm	2,794	26	43	49	60	256	3,228	2,368	22	24	36	56	122	2,628	5,856
Totals	90,550	1,212	2,775	1,868	3,107	4,106	103,618	84,730	619	2,144	1,857	2,891	2,264	94,505	198,123
7-10am	23,026	287	996	548	746	761	26,364	10,832	63	482	439	522	318	12,656	39,020
10am-1pm	13,222	144	604	194	595	647	15,406	9,357	65	426	194	666	525	11,233	26,639
1-4pm	11,588	145	382	245	570	364	13,294	16,305	78	417	201	620	376	17,997	31,291
4-7pm	16,079	219	395	480	499	413	18,085	21,289	114	407	481	344	223	22,858	40,943
7am-7pm	63,915	795	2,377	1,467	2,410	2,185	73,149	57,783	320	1,732	1,315	2,152	1,442	64,744	137,893
6-10am	26,071	376	1,087	606	817	856	29,813	13,181	80	559	545	668	432	15,465	45,278
3-7pm	20,290	268	529	601	690	533	22,911	28,420	136	589	558	567	350	30,620	53,531
6am-7pm	66,960	884	2,468	1,525	2,481	2,280	76,598	60,132	337	1,809	1,421	2,298	1,556	67,553	144,151

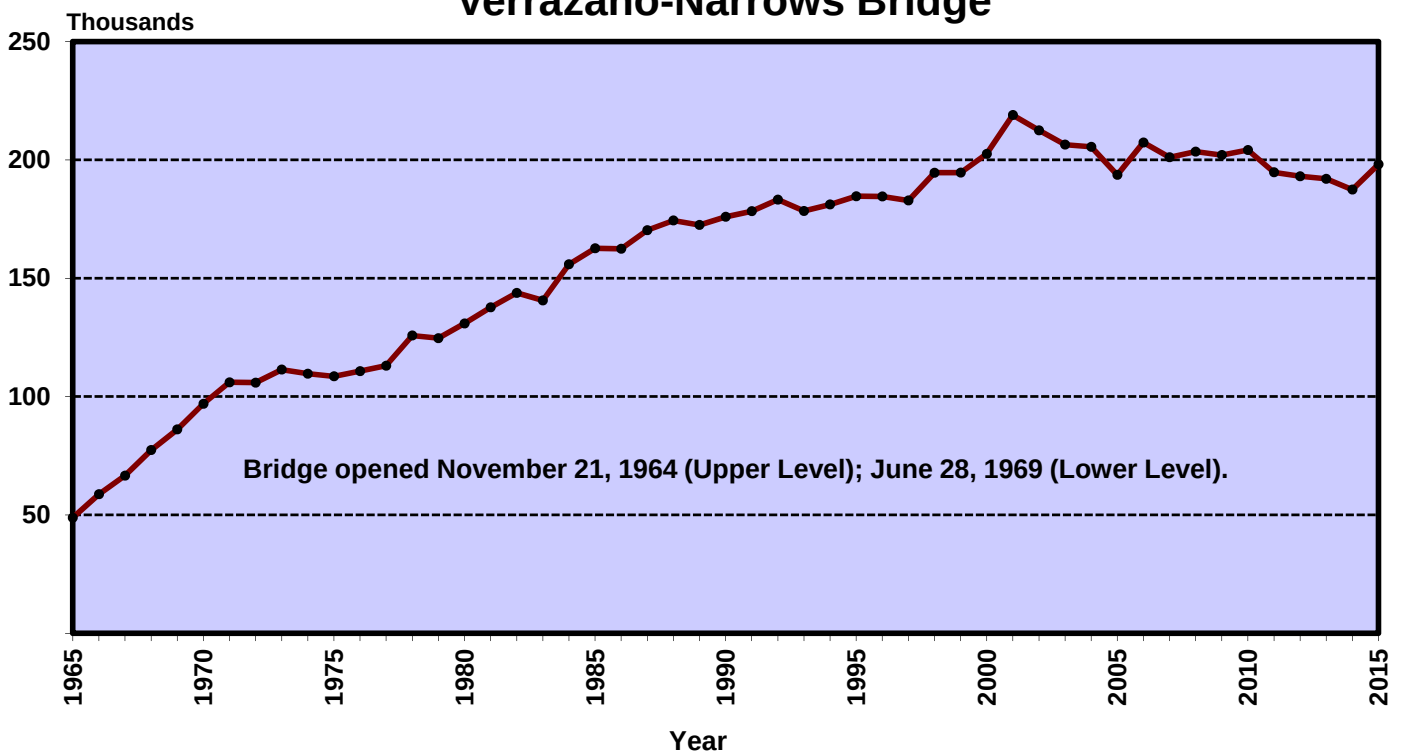
Based on November 2013 Classification Survey Data.

** Peak Volumes

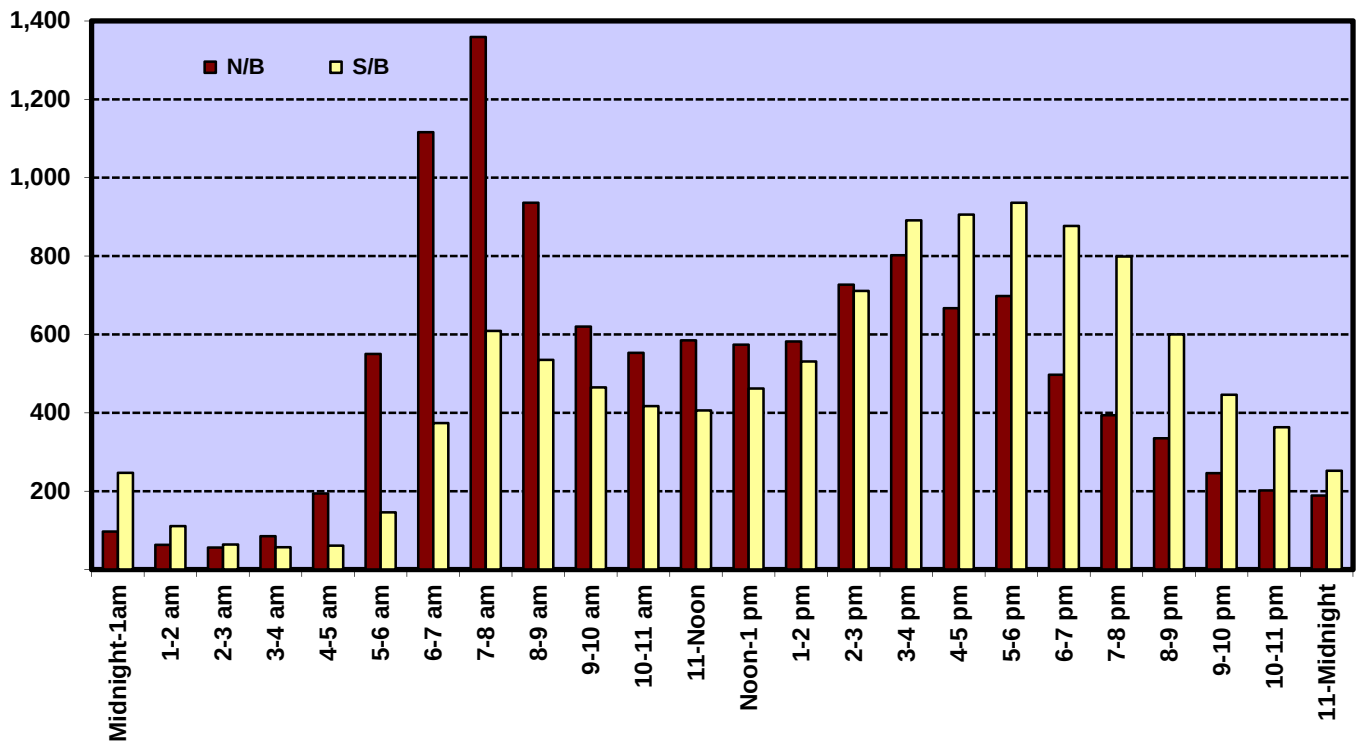
Hourly Vehicular Volumes Verrazano-Narrows Bridge ~ 2015



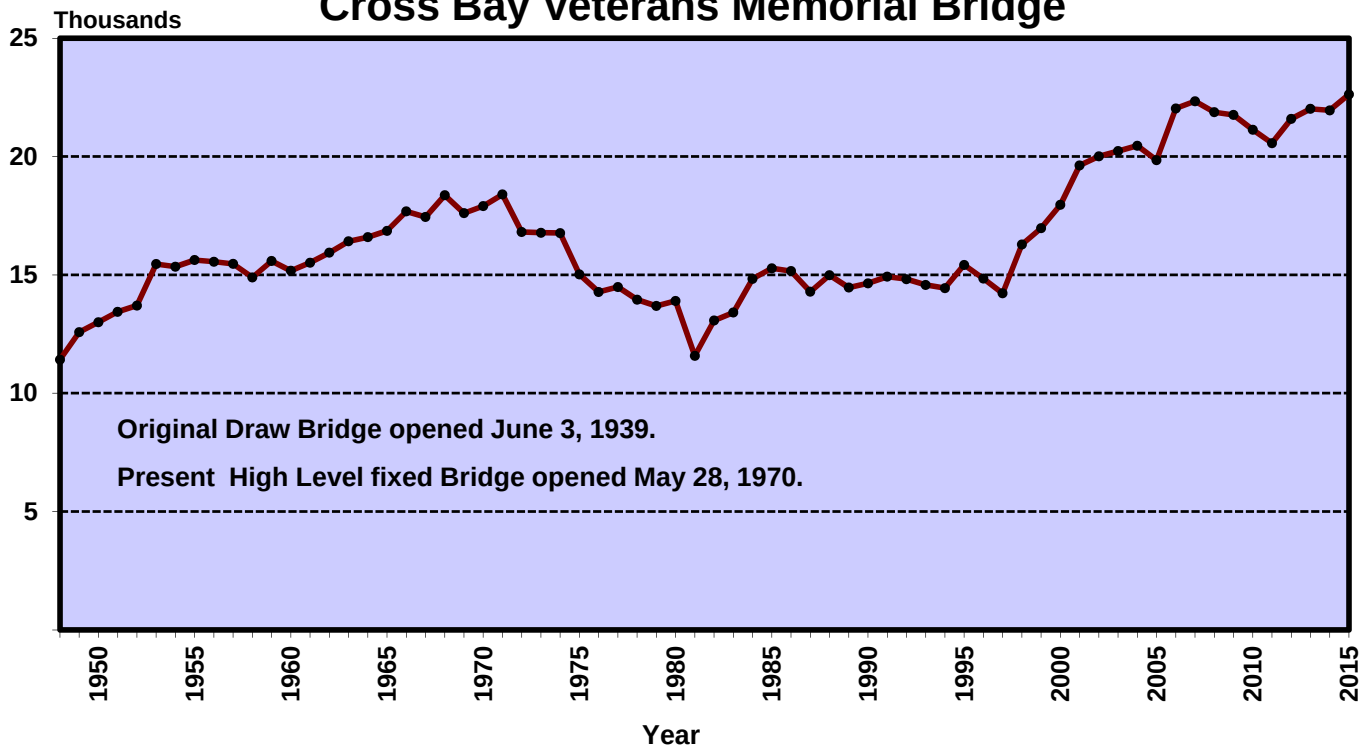
Average Daily Traffic Volumes ~ Total of Both Directions Verrazano-Narrows Bridge



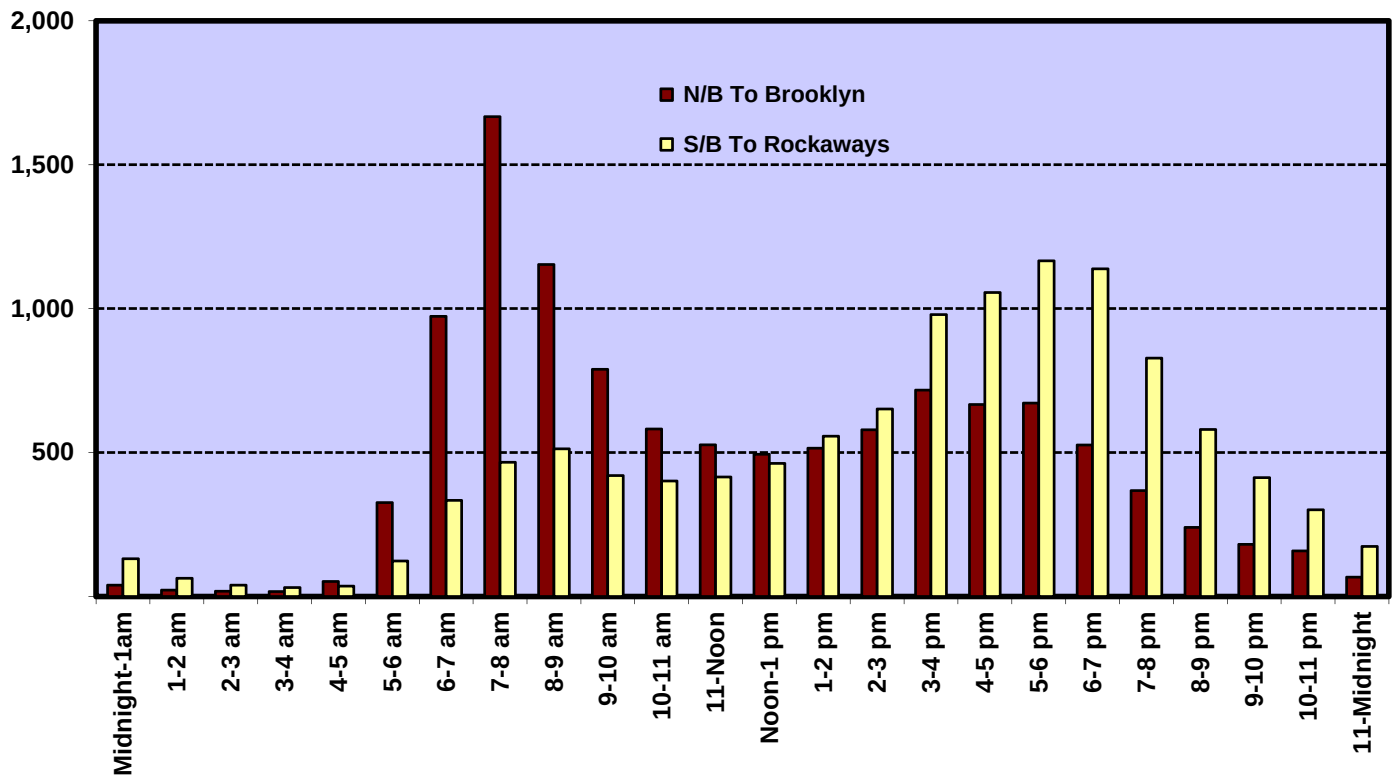
Hourly Vehicular Volumes Cross Bay Veterans Memorial Bridge ~ 2015



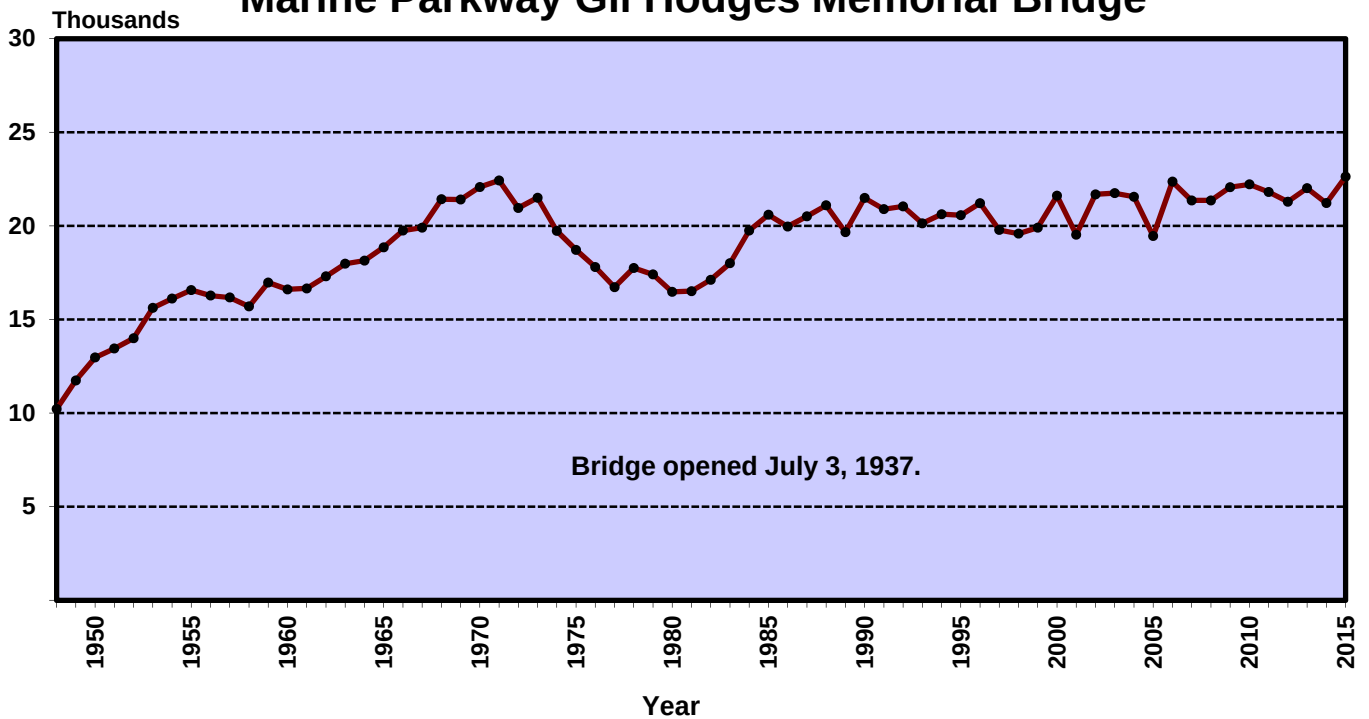
Average Daily Traffic Volumes ~ Total of Both Directions Cross Bay Veterans Memorial Bridge



Hourly Vehicular Volumes Marine Parkway Gil Hodges Memorial Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Marine Parkway Gil Hodges Memorial Bridge



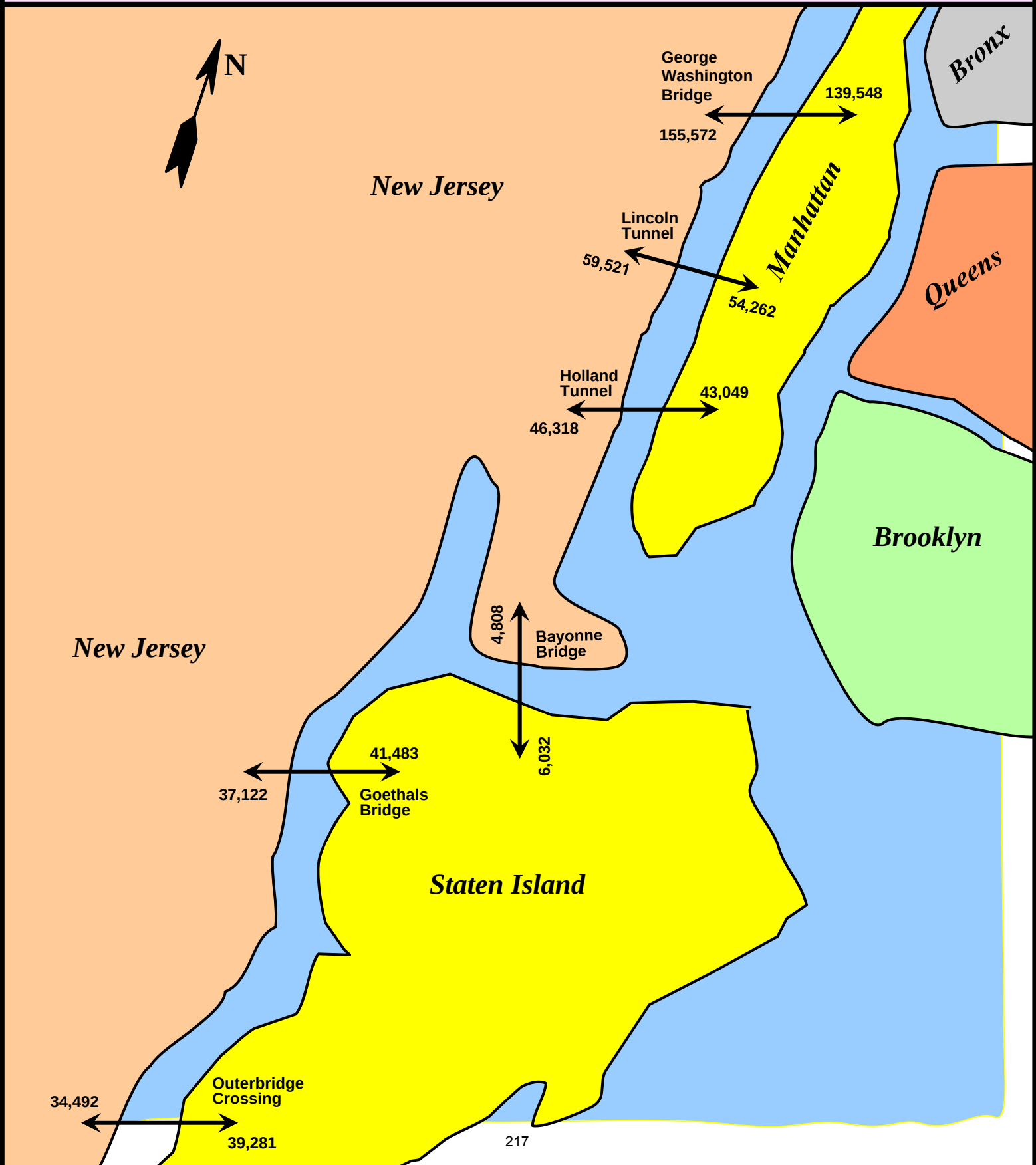
PANYNJ Facilities



Outerbridge Crossing

PANYNJ Facilities

2015 Daily Volumes



PANYNJ Manhattan - New Jersey Facilities

Average Daily Traffic Volumes

1948 - 2015

<i>Year</i>	<i>George Washington Bridge</i>	<i>Holland Tunnel</i>	<i>Lincoln Tunnel</i>	<i>Totals</i>
1948	42,306	42,623	30,856	115,785
1949	49,261	45,167	35,515	129,943
1950	54,437	49,660	42,556	146,653
1951	64,516	53,792	47,842	166,150
1952	76,446	51,317	53,490	181,253
1953	84,398	53,270	56,909	194,577
1954	90,306	54,560	57,528	202,394
1955	98,013	55,445	58,468	211,926
1956	97,059	56,961	59,068	213,088
1957	98,110	56,801	63,712	218,623
1958	97,435	55,881	68,178	221,494
1959	105,334	57,926	73,761	237,021
1960	106,245	57,678	75,697	239,620
1961	104,107	56,277	76,449	236,833
1962	111,090	58,518	81,038	250,646
1963	127,452	58,814	79,337	265,603
1964	143,193	59,702	82,929	285,824
1965	155,967	55,060	82,312	293,339
1966	167,304	55,559	81,118	303,981
1967	173,093	54,181	80,879	308,153
1968	182,934	53,962	83,396	320,292
1969	189,817	54,438	84,868	329,123
1970	194,910	58,574	94,354	347,838
1971	210,749	57,968	93,346	362,063
1972	221,172	61,485	95,963	378,620
1973	232,686	64,731	99,786	397,203
1974	211,955	64,765	99,827	376,547
1975	215,927	62,381	96,399	374,707
1976	215,136	64,663	101,451	381,250
1977	222,897	63,015	99,101	385,013
1978	229,666	66,405	103,441	399,512
1979	232,739	61,403	99,582	393,724
1980	235,615	64,417	104,702	404,734
1981	250,804	68,750	107,827	427,381
1982	249,294	73,997	110,453	433,744
1983	254,728	76,226	110,210	441,164
1984	258,723	71,819	123,233	453,775
1985	275,934	76,121	116,397	468,452
1986	286,398	77,300	122,053	485,751
1987	288,642	73,655	124,342	486,639
1988	284,984	84,626	120,569	490,179
1989	281,812	84,429	121,452	487,693
1990	272,556	87,976	121,711	482,243
1991	262,491	87,502	117,508	467,501
1992	268,007	90,206	118,659	476,872
1993	260,732	92,685	119,652	473,069
1994	259,863	94,637	119,299	473,799
1995	266,029	96,310	119,759	482,098
1996	275,469	96,798	120,927	493,194
1997	282,293	100,986	121,509	504,788
1998	297,188	100,872	124,452	522,512
1999	317,640	103,020	128,692	549,352
2000	317,618	101,137	129,710	548,465
2001	309,310	43,377	106,257	458,944
2002	310,771	92,557	129,511	532,839
2003	319,029	101,097	127,323	547,449
2004	315,066	96,171	125,159	536,396
2005	304,302	96,960	126,455	527,717
2006	312,078	98,425	127,245	537,748
2007	291,391	100,491	122,092	513,974
2008	293,059	97,057	118,153	508,269
2009	289,694	96,184	118,982	504,860
2010	292,047	94,667	119,832	506,546
2011	279,896	93,560	117,653	491,109
2012	276,648	92,743	113,166	482,557
2013	277,645	90,012	112,162	479,819
2014	280,784	87,232	109,796	477,812
2015	295,120	89,367	113,783	498,270

PANYNJ one-way tolls initiated 8/12/1970.

PANYNJ toll increases May 1975, January 1984, April 1987, April 1991, March 2001, March 2008, September 2011, December 2012, December 2013, December 2014, & December 2015.

PANYNJ Staten Island - New Jersey Bridges
Average Daily Traffic Volumes
1948 - 2015

<i>Year</i>	<i>Bayonne Bridge</i>	<i>Goethals Bridge</i>	<i>Outerbridge Crossing</i>	<i>Totals</i>
1948	5,241	4,283	3,690	13,214
1949	5,754	4,641	4,233	14,628
1950	6,360	5,215	4,856	16,431
1951	6,314	6,028	5,993	18,335
1952	7,035	6,865	5,243	19,143
1953	7,385	7,938	5,275	20,598
1954	7,452	8,323	5,779	21,554
1955	7,546	9,043	6,096	22,685
1956	7,136	9,335	5,731	22,202
1957	6,899	9,553	6,162	22,614
1958	6,711	9,703	5,539	21,953
1959	6,780	10,441	5,757	22,978
1960	6,519	10,331	6,006	22,856
1961	6,986	12,028	6,360	25,374
1962	7,532	11,973	6,833	26,338
1963	7,806	12,478	7,114	27,398
1964	8,012	14,182	7,786	29,980
1965	8,333	27,239	9,256	44,828
1966	9,349	32,007	9,622	50,978
1967	9,897	34,870	9,284	54,051
1968	10,349	38,564	9,741	58,654
1969	10,807	41,838	10,408	63,053
1970	11,034	47,949	9,937	68,920
1971	11,304	52,862	10,592	74,758
1972	11,704	54,574	10,740	77,018
1973	12,458	56,850	11,726	81,034
1974	12,418	53,964	14,162	80,544
1975	11,860	53,206	15,994	81,060
1976	11,418	51,554	17,892	80,864
1977	11,704	45,816	28,016	85,536
1978	11,508	44,748	32,742	88,998
1979	11,926	44,910	35,328	92,164
1980	12,984	46,352	38,438	97,774
1981	13,166	46,962	41,516	101,644
1982	13,622	48,310	44,740	106,672
1983	13,924	51,350	48,512	113,786
1984	14,058	53,962	50,908	118,928
1985	14,490	57,708	54,268	126,466
1986	15,906	64,634	57,896	138,436
1987	14,890	65,452	59,392	139,734
1988	14,676	66,136	62,250	143,062
1989	13,838	63,367	62,846	140,051
1990	12,246	63,549	62,545	138,340
1991	12,408	63,547	65,499	141,454
1992	13,342	64,469	67,569	145,380
1993	13,979	60,424	66,372	140,775
1994	14,212	62,464	67,199	143,875
1995	14,536	63,040	66,081	143,657
1996	14,389	63,601	68,575	146,565
1997	15,903	65,207	70,468	151,578
1998	16,846	67,076	72,864	156,786
1999	17,603	70,863	78,424	166,890
2000	18,493	72,791	73,384	164,668
2001	23,631	78,196	75,424	177,251
2002	21,327	81,384	76,429	179,140
2003	20,208	75,724	78,650	174,582
2004	22,510	71,532	80,226	174,268
2005	21,755	68,790	81,108	171,653
2006	24,230	65,378	86,306	175,914
2007	21,451	72,999	75,778	170,228
2008	20,058	72,834	72,884	165,776
2009	19,422	71,230	74,852	165,504
2010	19,981	73,486	74,665	168,132
2011	18,665	75,580	75,291	169,536
2012	18,755	73,135	71,816	163,706
2013	18,541	72,986	66,740	158,267
2014	15,166	70,419	70,033	155,618
2015	10,840	78,605	73,773	163,218

PANYNJ one-way tolls initiated 8/12/1970.

PANYNJ toll increases May 1975, January 1984, April 1987, April 1991, March 2001, March 2008, September 2011, December 2012, December 2013, December 2014, & December 2015.

Hourly Vehicular Volumes

Port Authority of New York & New Jersey

2015

	George Washington Bridge		Holland Tunnel		Lincoln Tunnel		Totals	
	E/B	W/B	E/B	W/B	E/B	W/B	Entering Manhattan	Leaving Manhattan
12-1am	1,732	2,841	678	1,255	850	1,138	3,260	5,234
1-2am	1,196	1,718	438	814	577	604	2,211	3,136
2-3am	1,095	1,283	338	549	472	394	1,905	2,226
3-4am	1,333	1,416	389	551	522	422	2,244	2,389
4-5am	2,326	1,920	695	767	957	599	3,978	3,286
5-6am	6,724	3,306	2,155	1,388	3,117	879	11,996	5,573
6-7am	11,059 **	5,735	2,834 **	2,199	4,812 **	1,565	18,705 **	9,499
7-8am	9,666	6,953	2,769	2,430	4,091	2,062	16,526	11,445
8-9am	8,375	7,784	2,664	2,371	4,091	2,057	15,130	12,212
9-10am	8,404	7,123	2,529	1,948	3,754	2,109	14,687	11,180
10-11am	7,601	6,661	2,397	1,949	3,388	2,049	13,386	10,659
11-12am	6,841	6,553	2,021	1,894	2,938	2,205	11,800	10,652
12-1pm	6,419	6,399	1,854	2,098	2,552	2,470	10,825	10,967
1-2pm	6,455	7,040	1,829	2,387	2,473	2,897	10,757	12,324
2-3pm	6,790	9,017	1,965	2,494 **	2,536	3,428	11,291	14,939
3-4pm	7,309	10,713	2,118	2,229	2,443	4,262	11,870	17,204
4-5pm	7,769	10,676	2,385	2,373	2,043	4,872	12,197	17,921
5-6pm	8,009	12,006 **	2,561	2,355	1,596	5,185 **	12,166	19,546 **
6-7pm	7,859	11,573	2,479	2,299	1,897	5,128	12,235	19,000
7-8pm	6,528	10,427	2,130	2,435	2,117	4,306	10,775	17,168
8-9pm	5,199	8,470	1,680	2,460	1,971	3,550	8,850	14,480
9-10pm	4,462	6,249	1,541	2,407	1,943	3,046	7,946	11,702
10-11pm	3,747	5,139	1,484	2,412	1,755	2,909	6,986	10,460
11-12pm	2,650	4,570	1,116	2,254	1,367	1,385	5,133	8,209
Totals	139,548	155,572	43,049	46,318	54,262	59,521	236,859	261,411
7-10am	26,445	21,860	7,962	6,749	11,936	6,228	46,343	34,837
10am-1pm	20,861	19,613	6,272	5,941	8,878	6,724	36,011	32,278
1-4pm	20,554	26,770	5,912	7,110	7,452	10,587	33,918	44,467
4-7pm	23,637	34,255	7,425	7,027	5,536	15,185	36,598	56,467
7am-7pm	91,497	102,498	27,571	26,827	33,802	38,724	152,870	168,049
6-10am	37,504	27,595	10,796	8,948	16,748	7,793	65,048	44,336
3-7pm	30,946	44,968	9,543	9,256	7,979	19,447	48,468	73,671
6am-7pm	102,556	108,233	30,405	29,026	38,614	40,289	171,575	177,548

** Peak Volumes

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

Hourly Vehicular Volumes

Port Authority of New York & New Jersey

2015

	Bayonne Bridge		Goethals Bridge		Outerbridge Crossing		Totals	
	S/B	N/B	E/B	W/B	E/B	W/B	To Staten Island	To New Jersey
12-1am	3	5	678	419	450	383	1,131	807
1-2am	1	0	448	268	278	212	727	480
2-3am	1	0	354	231	241	183	596	414
3-4am	1	3	377	276	334	183	712	462
4-5am	28	31	601	439	729	283	1,358	753
5-6am	178	262	1,372	1,019	1,933	600	3,483	1,881
6-7am	339	623	2,096	1,976	2,852	1,358	5,287	3,957
7-8am	431	795	1,907	2,546	2,613	2,155	4,951	5,496
8-9am	453	762	1,952	2,737	2,234	2,414	4,639	5,913
9-10am	40	109	2,090	2,399	2,143	1,930	4,273	4,438
10-11am	17	70	2,023	2,159	1,801	1,785	3,841	4,014
11-12am	18	88	1,896	2,022	1,694	1,681	3,608	3,791
12-1pm	14	84	1,961	1,873	1,717	1,634	3,692	3,591
1-2pm	22	88	2,152	1,948	1,833	1,693	4,007	3,729
2-3pm	105	125	2,339	2,025	1,969	1,984	4,413	4,134
3-4pm	656	383	2,372	2,508	2,101	2,537	5,129	5,428
4-5pm	796	350	2,554	2,598	2,324	2,567	5,674	5,515
5-6pm	1,073	347	2,894	2,426	2,665	2,447	6,632	5,220
6-7pm	998	302	2,947	2,025	2,529	2,302	6,474	4,629
7-8pm	607	250	2,531	1,552	2,032	1,928	5,170	3,730
8-9pm	245	128	1,879	1,160	1,648	1,493	3,772	2,781
9-10pm	6	1	1,634	1,002	1,363	1,129	3,003	2,132
10-11pm	0	0	1,363	833	1,024	876	2,387	1,709
11-12pm	0	2	1,063	681	774	735	1,837	1,418
Totals	6,032	4,808	41,483	37,122	39,281	34,492	86,796	76,422
7-10am	924	1,666	5,949	7,682	6,990	6,499	13,863	15,847
10am-1pm	49	242	5,880	6,054	5,212	5,100	11,141	11,396
1-4pm	783	596	6,863	6,481	5,903	6,214	13,549	13,291
4-7pm	2,867	999	8,395	7,049	7,518	7,316	18,780	15,364
7am-7pm	4,623	3,503	27,087	27,266	25,623	25,129	57,333	55,898
6-10am	1,263	2,289	8,045	9,658	9,842	7,857	19,150	19,804
3-7pm	3,523	1,382	10,767	9,557	9,619	9,853	23,909	20,792
6am-7pm	4,962	4,126	29,183	29,242	28,475	26,487	62,620	59,855

** Peak Volumes

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

Hourly Vehicular Volumes

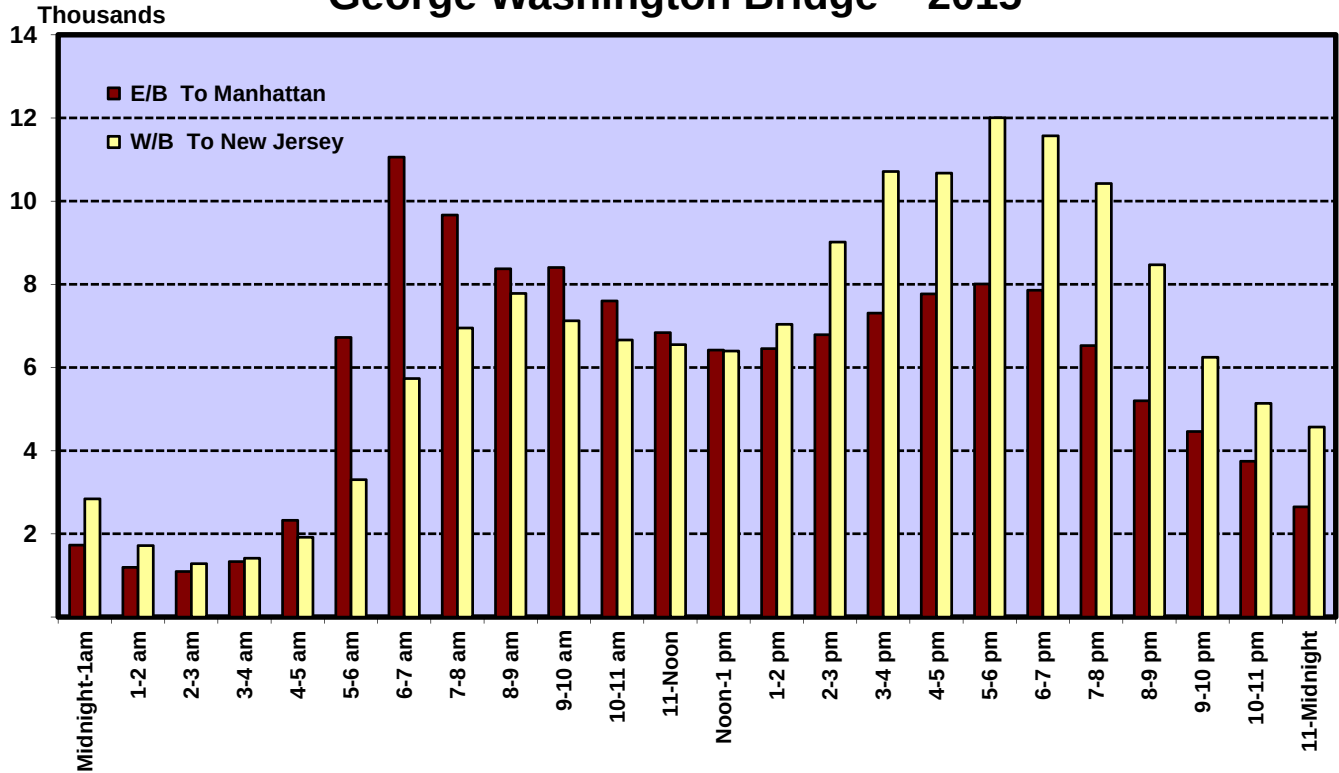
George Washington Bridge - 2015

	Eastbound to Manhattan					Westbound to New Jersey					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	1,375	10	65	282	1,732	2,345	12	68	416	2,841	4,573
1-2am	817	4	72	303	1,196	1,300	5	66	347	1,718	2,914
2-3am	646	6	79	364	1,095	829	1	62	391	1,283	2,378
3-4am	745	4	127	457	1,333	859	3	104	450	1,416	2,749
4-5am	1,516	10	205	595	2,326	1,217	6	139	558	1,920	4,246
5-6am	5,512	35	398	779	6,724	2,452	13	231	610	3,306	10,030
6-7am	9,955	82	502	520	11,059	4,631	61	389	654	5,735	16,794
7-8am	8,917	88	339	322	9,666	6,122	77	333	421	6,953	16,619
8-9am	7,594	88	355	338	8,375	6,785	88	411	500	7,784	16,159
9-10am	7,520	83	395	406	8,404	5,959	79	434	651	7,123	15,527
10-11am	6,737	60	381	423	7,601	5,367	67	436	791	6,661	14,262
11-12am	6,093	57	300	391	6,841	5,211	44	446	852	6,553	13,394
12-1pm	5,726	58	289	346	6,419	5,369	46	361	623	6,399	12,818
1-2pm	5,800	64	278	313	6,455	6,000	45	408	587	7,040	13,495
2-3pm	6,175	86	258	271	6,790	7,884	61	486	586	9,017	15,807
3-4pm	6,744	102	234	229	7,309	9,600	65	507	541	10,713	18,022
4-5pm	7,296	94	187	192	7,769	9,833	72	361	410	10,676	18,445
5-6pm	7,595	94	145	175	8,009	11,038	78	355	535	12,006	20,015
6-7pm	7,455	81	133	190	7,859	10,794	86	271	422	11,573	19,432
7-8pm	6,127	69	101	231	6,528	9,738	67	163	459	10,427	16,955
8-9pm	4,827	54	80	238	5,199	7,933	50	118	369	8,470	13,669
9-10pm	4,104	42	68	248	4,462	5,785	26	97	341	6,249	10,711
10-11pm	3,412	29	52	254	3,747	4,753	22	55	309	5,139	8,886
11-12pm	2,347	20	50	233	2,650	4,041	18	74	437	4,570	7,220
Totals	125,035	1,320	5,093	8,100	139,548	135,845	1,092	6,375	12,260	155,572	295,120
7-10am	24,031	259	1,089	1,066	26,445	18,866	244	1,178	1,572	21,860	48,305
10am-1pm	18,556	175	970	1,160	20,861	15,947	157	1,243	2,266	19,613	40,474
1-4pm	18,719	252	770	813	20,554	23,484	171	1,401	1,714	26,770	47,324
4-7pm	22,346	269	465	557	23,637	31,665	236	987	1,367	34,255	57,892
7am-7pm	83,652	955	3,294	3,596	91,497	89,962	808	4,809	6,919	102,498	193,995
6-10am	33,986	341	1,591	1,586	37,504	23,497	305	1,567	2,226	27,595	65,099
3-7pm	29,090	371	699	786	30,946	41,265	301	1,494	1,908	44,968	75,914
6am-7pm	93,607	1,037	3,796	4,116	102,556	94,593	869	5,198	7,573	108,233	210,789

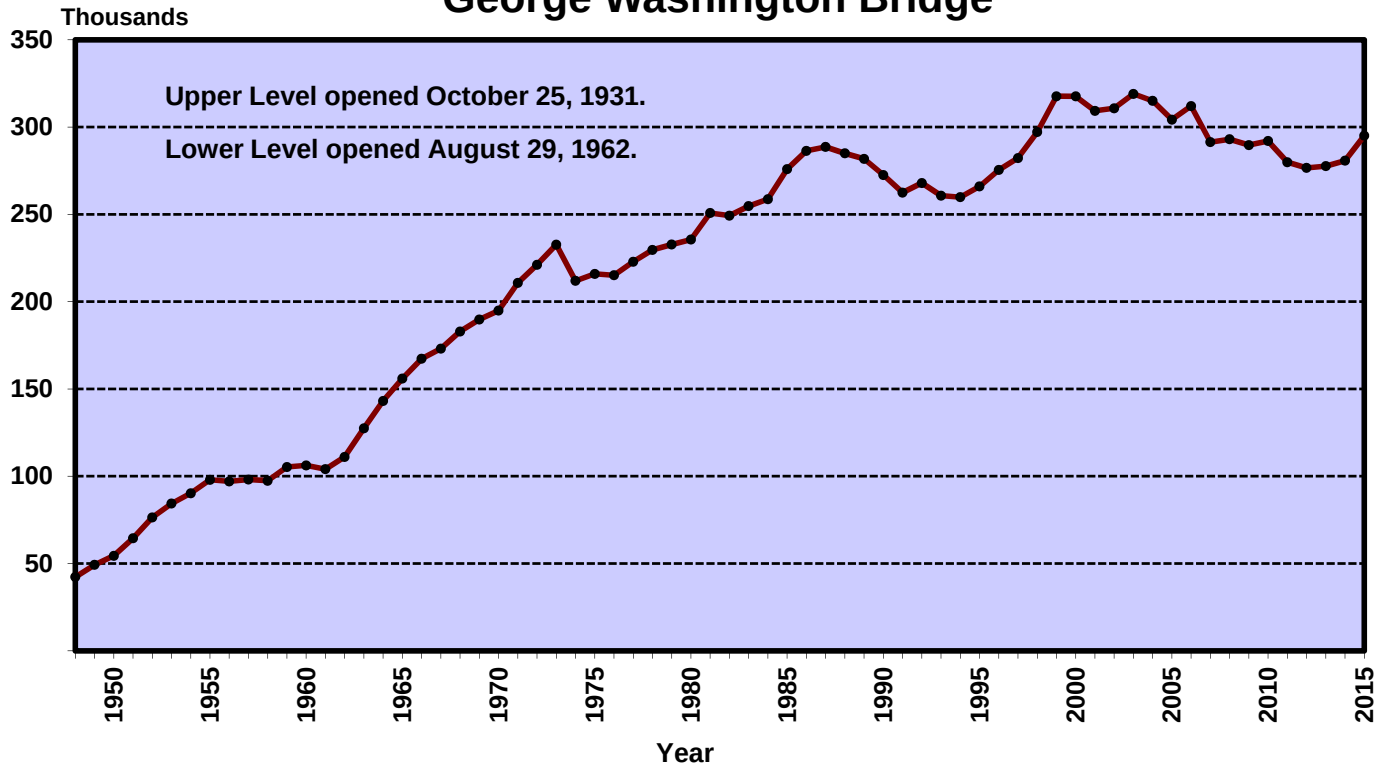
Classification based on 2015 classification data.

** Peak Volumes

Hourly Vehicular Volumes George Washington Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions George Washington Bridge



Hourly Vehicular Volumes

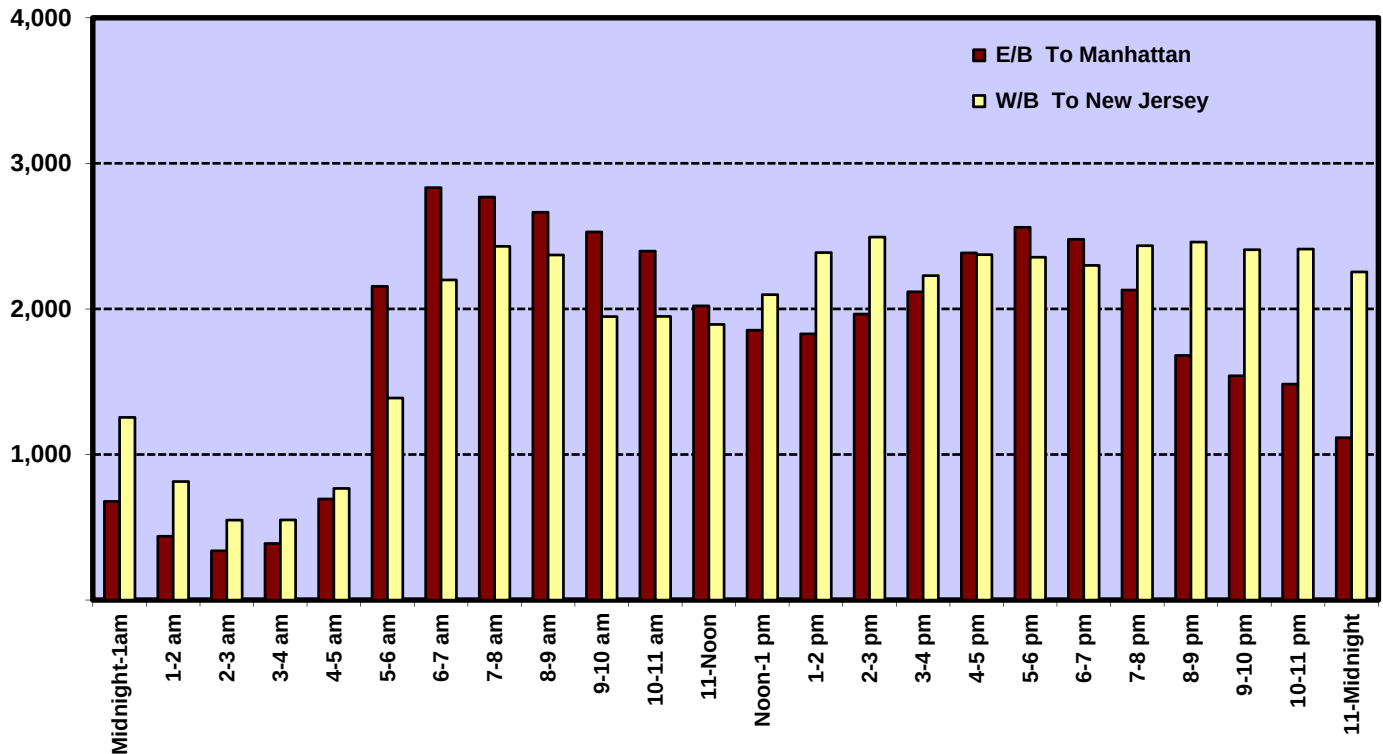
Holland Tunnel - 2015

Eastbound to Manhattan						Westbound to New Jersey					
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles		Autos	Buses	Small Trucks	Large Trucks	Total Vehicles
12-1am	646	4	28	0	678		1,215	0	40	0	1,255
1-2am	406	2	29	1	438		796	2	16	0	814
2-3am	302	3	32	1	338		524	0	25	0	549
3-4am	338	3	47	1	389		502	0	49	0	551
4-5am	608	8	77	2	695		704	1	61	1	767
5-6am	1,983	21	149	2	2,155		1,299	5	79	5	1,388
6-7am	2,651	47	134	2	2,834	**	2,073	22	104	0	2,199
7-8am	2,552	60	155	2	2,769		2,301	36	93	0	2,430
8-9am	2,444	66	152	2	2,664		2,201	60	110	0	2,371
9-10am	2,357	55	116	1	2,529		1,772	45	131	0	1,948
10-11am	2,260	27	109	1	2,397		1,771	23	154	1	1,949
11-12am	1,923	17	80	1	2,021		1,696	7	187	4	1,894
12-1pm	1,778	14	61	1	1,854		1,886	12	197	3	2,098
1-2pm	1,743	18	67	1	1,829		2,187	15	185	0	2,387
2-3pm	1,876	25	63	1	1,965		2,308	15	171	0	2,494
3-4pm	2,006	45	66	1	2,118		2,064	24	141	0	2,229
4-5pm	2,261	70	54	0	2,385		2,195	41	137	0	2,373
5-6pm	2,465	58	37	1	2,561		2,147	66	142	0	2,355
6-7pm	2,407	39	33	0	2,479		2,206	38	55	0	2,299
7-8pm	2,078	22	29	1	2,130		2,342	35	58	0	2,435
8-9pm	1,636	15	28	1	1,680		2,389	32	38	1	2,460
9-10pm	1,508	11	22	0	1,541		2,361	14	32	0	2,407
10-11pm	1,457	9	18	0	1,484		2,362	20	30	0	2,412
11-12pm	1,088	6	21	1	1,116		2,201	10	42	1	2,254
Totals	40,773	645	1,607	24	43,049		43,502	523	2,277	16	46,318
7-10am	7,353	181	423	5	7,962		6,274	141	334	0	6,749
10am-1pm	5,961	58	250	3	6,272		5,353	42	538	8	5,941
1-4pm	5,625	88	196	3	5,912		6,559	54	497	0	7,110
4-7pm	7,133	167	124	1	7,425		6,548	145	334	0	7,027
7am-7pm	26,072	494	993	12	27,571		24,734	382	1,703	8	26,827
6-10am	10,004	228	557	7	10,796		8,347	163	438	0	8,948
3-7pm	9,139	212	190	2	9,543		8,612	169	475	0	9,256
6am-7pm	28,723	541	1,127	14	30,405		26,807	404	1,807	8	29,026
2-Way Grand Totals						14,711 12,213 13,022 14,452 54,398 19,744 18,799 59,431					

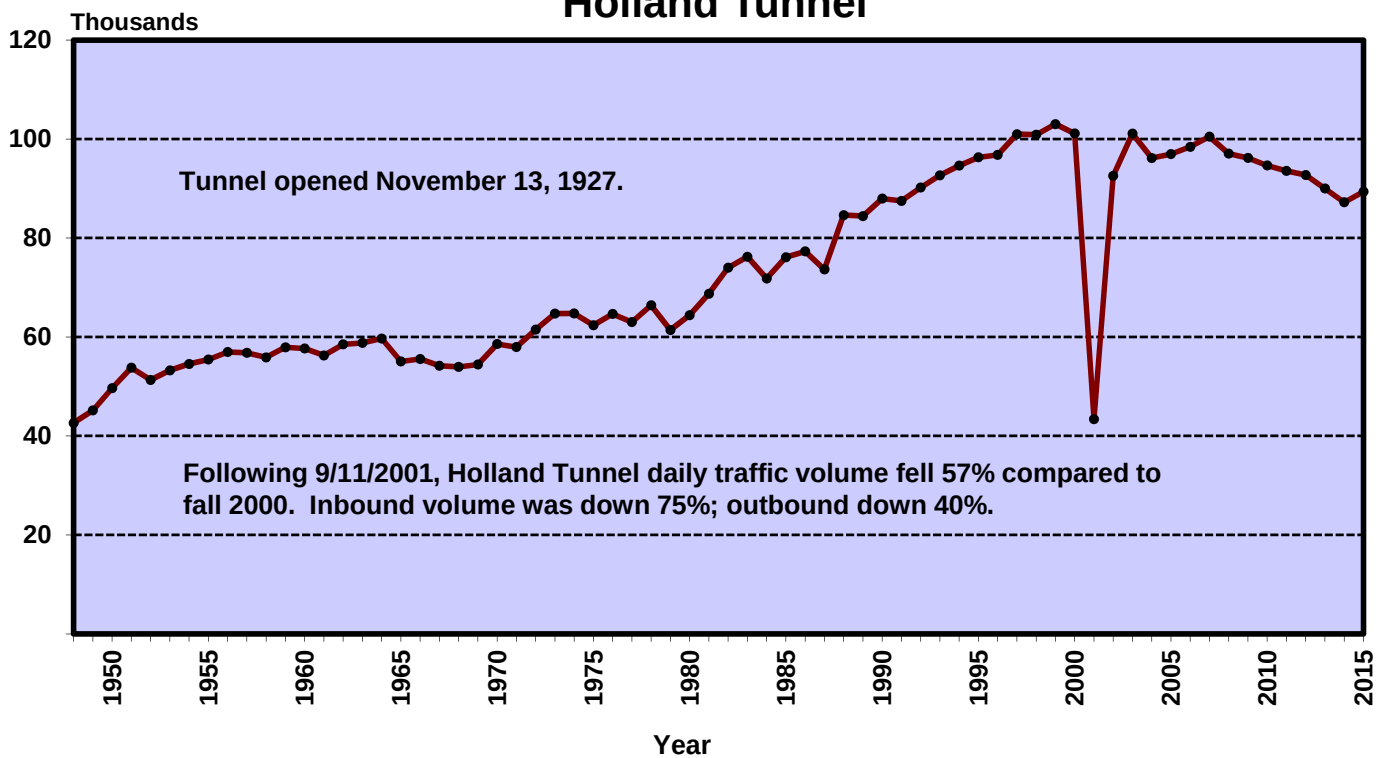
Classification based on 2015 classification data.

** Peak Volumes

Hourly Vehicular Volumes Holland Tunnel ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Holland Tunnel



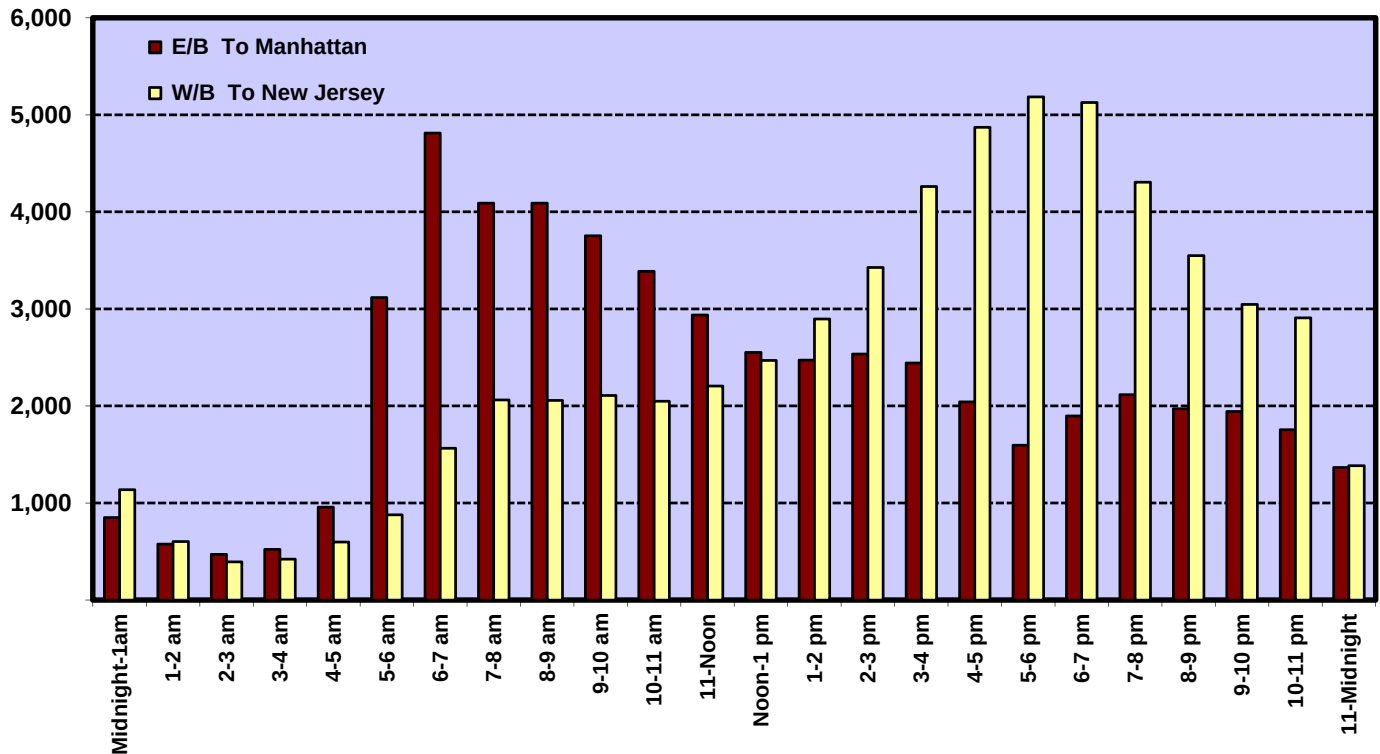
Hourly Vehicular Volumes Lincoln Tunnel - 2015

<i>Eastbound to Manhattan</i>						<i>Westbound to New Jersey</i>					
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles		Autos	Buses	Small Trucks	Large Trucks	Total Vehicles
12-1am	734	51	43	22	850		989	70	51	28	1,138
1-2am	465	31	50	31	577		496	39	40	29	604
2-3am	370	11	58	33	472		306	13	46	29	394
3-4am	357	13	95	57	522		315	13	53	41	422
4-5am	665	28	169	95	957		444	12	88	55	599
5-6am	2,470	184	350	113	3,117		681	76	72	50	879
6-7am	3,830	509	413	60	4,812	**	1,109	320	60	76	1,565
7-8am	2,959	810	288	34	4,091		1,311	596	86	69	2,062
8-9am	2,859	939	274	19	4,091		1,144	743	107	63	2,057
9-10am	2,856	634	250	14	3,754		1,193	757	102	57	2,109
10-11am	2,880	266	221	21	3,388		1,538	333	129	49	2,049
11-12am	2,554	216	152	16	2,938		1,804	207	130	64	2,205
12-1pm	2,229	186	122	15	2,552		2,093	154	156	67	2,470
1-2pm	2,141	216	106	10	2,473		2,485	161	184	67	2,897
2-3pm	2,158	277	93	8	2,536		3,021	183	168	56	3,428
3-4pm	2,009	352	77	5	2,443		3,802	250	149	61	4,262
4-5pm	1,437	534	68	4	2,043		4,279	435	140	18	4,872
5-6pm	1,109	431	48	8	1,596		4,323	746	106	10	5,185
6-7pm	1,431	411	46	9	1,897		4,121	918	81	8	5,128
7-8pm	1,713	329	57	18	2,117		3,665	554	75	12	4,306
8-9pm	1,644	238	64	25	1,971		3,123	343	67	17	3,550
9-10pm	1,672	177	61	33	1,943		2,760	226	41	19	3,046
10-11pm	1,510	154	63	28	1,755		2,652	198	41	18	2,909
11-12pm	1,193	103	44	27	1,367		1,222	112	25	26	1,385
Totals	43,245	7,100	3,212	705	54,262		48,876	7,459	2,197	989	59,521
7-10am	8,674	2,383	812	67	11,936		3,648	2,096	295	189	6,228
10am-1pm	7,663	668	495	52	8,878		5,435	694	415	180	6,724
1-4pm	6,308	845	276	23	7,452		9,308	594	501	184	10,587
4-7pm	3,977	1,376	162	21	5,536		12,723	2,099	327	36	15,185
7am-7pm	26,622	5,272	1,745	163	33,802		31,114	5,483	1,538	589	38,724
6-10am	12,504	2,892	1,225	127	16,748		4,757	2,416	355	265	7,793
3-7pm	5,986	1,728	239	26	7,979		16,525	2,349	476	97	19,447
6am-7pm	30,452	5,781	2,158	223	38,614		32,223	5,803	1,598	665	40,289
2-Way Grand Totals	1,988										
	1,181										
	866										
	944										
	1,556										
	3,996										
	6,377										
	6,153										
	6,148										
	5,863										
	5,437										
	5,143										
	5,022										
	5,370										
	5,964										
	6,705										
	6,915										
	6,781										
	7,025										
	6,423										
	5,521										
	4,989										
	4,664										
	2,752										
	113,783										

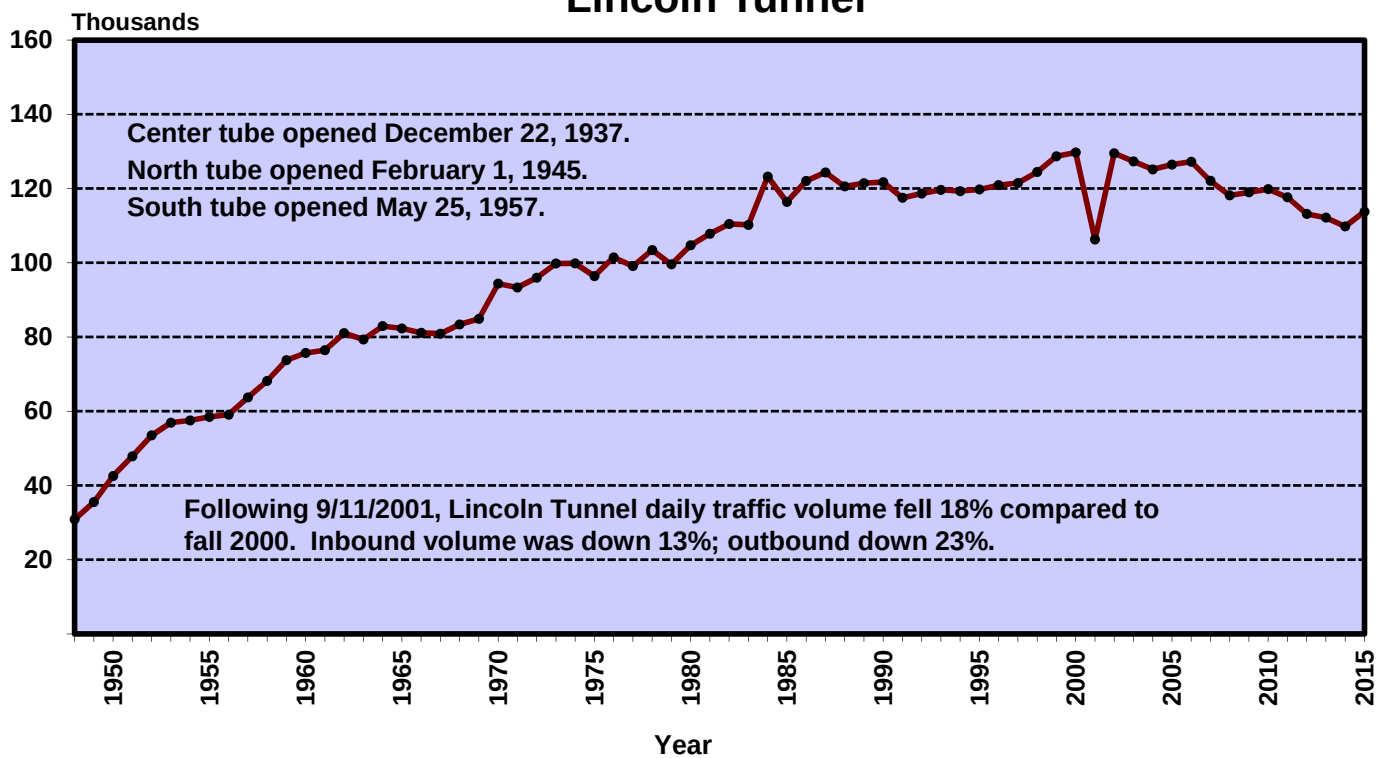
** Peak Volumes

Classification based on 2015 classification data.

Hourly Vehicular Volumes Lincoln Tunnel ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Lincoln Tunnel



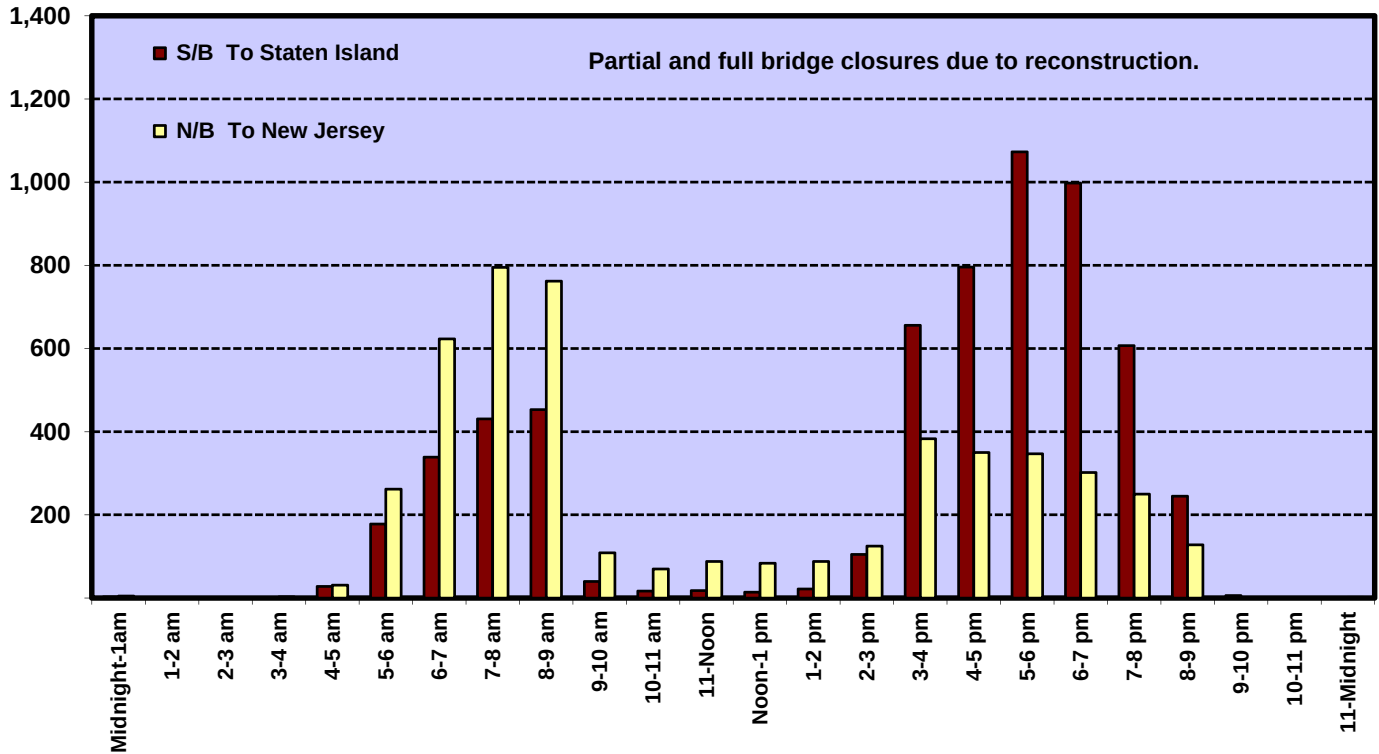
Hourly Vehicular Volumes Bayonne Bridge - 2015

	Southbound to Staten Island					Northbound to New Jersey					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	3	0	0	0	3	0	0	5	0	5	8
1-2am	1	0	0	0	1	0	0	0	0	0	1
2-3am	1	0	0	0	1	0	0	0	0	0	1
3-4am	1	0	0	0	1	0	0	3	0	3	4
4-5am	23	0	2	3	28	30	0	1	0	31	59
5-6am	145	0	12	21	178	253	2	6	1	262	440
6-7am	299	3	19	18	339	605	5	11	2	623	962
7-8am	384	5	20	22	431	772	5	15	3	795	1,226
8-9am	409	6	22	16	453	720	4	30	8	762	1,215
9-10am	36	1	2	1	40	89	0	15	5	109	149
10-11am	14	0	2	1	17	67	0	0	3	70	87
11-12am	16	0	1	1	18	85	0	0	3	88	106
12-1pm	12	0	1	1	14	77	0	0	7	84	98
1-2pm	20	0	1	1	22	83	0	0	5	88	110
2-3pm	99	0	3	3	105	122	0	0	3	125	230
3-4pm	619	2	19	16	656	364	4	0	15	383	1,039
4-5pm	759	4	19	14	796	335	7	0	8	350	1,146
5-6pm	1,030	5	23	15	1,073	339	5	0	3	347	1,420
6-7pm	964	6	16	12	998	298	3	0	1	302	1,300
7-8pm	583	3	14	7	607	236	2	12	0	250	857
8-9pm	237	1	4	3	245	125	0	3	0	128	373
9-10pm	6	0	0	0	6	1	0	0	0	1	7
10-11pm	0	0	0	0	0	0	0	0	0	0	0
11-12pm	0	0	0	0	0	2	0	0	0	2	2
Totals	5,661	36	180	155	6,032	4,603	37	101	67	4,808	10,840
7-10am	829	12	44	39	924	1,581	9	60	16	1,666	2,590
10am-1pm	42	0	4	3	49	229	0	0	13	242	291
1-4pm	738	2	23	20	783	569	4	0	23	596	1,379
4-7pm	2,753	15	58	41	2,867	972	15	0	12	999	3,866
7am-7pm	4,362	29	129	103	4,623	3,351	28	60	64	3,503	8,126
6-10am	1,128	15	63	57	1,263	2,186	14	71	18	2,289	3,552
3-7pm	3,372	17	77	57	3,523	1,336	19	0	27	1,382	4,905
6am-7pm	4,661	32	148	121	4,962	3,956	33	71	66	4,126	9,088

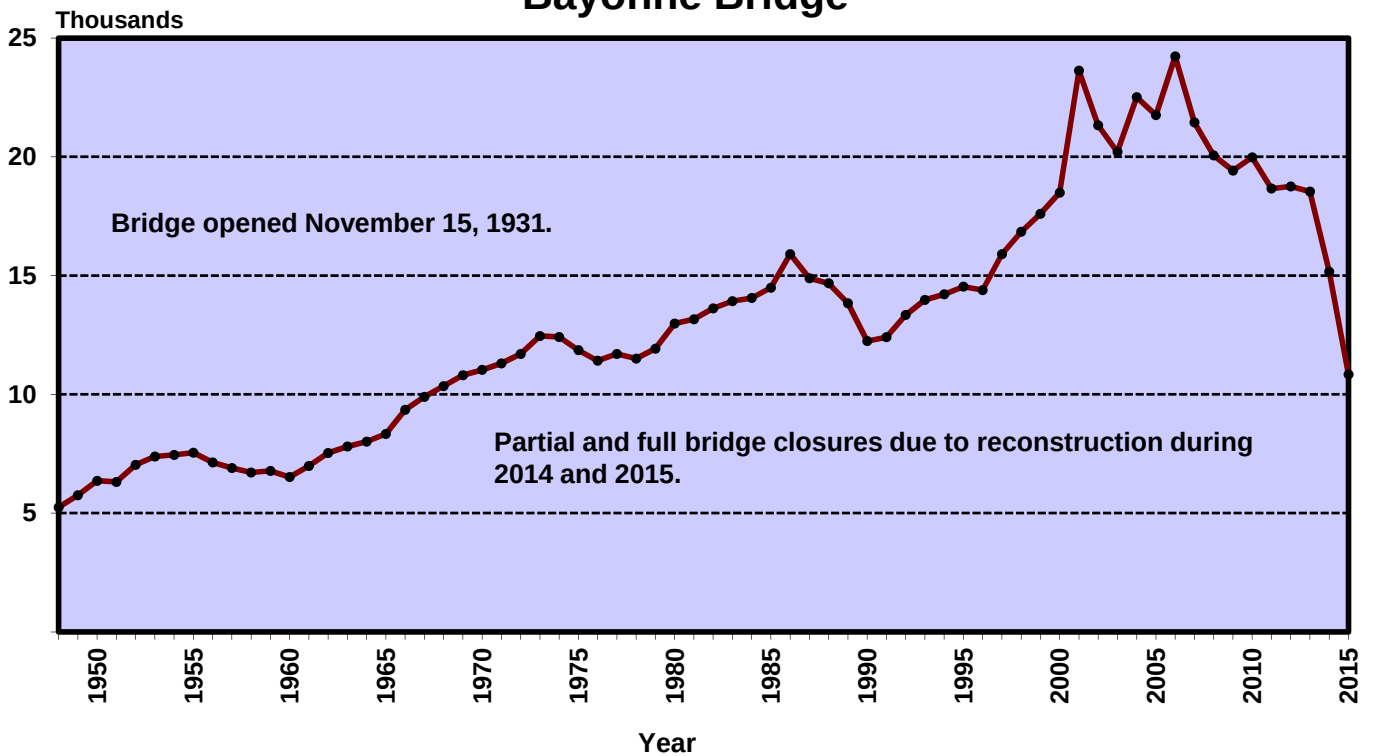
Classification based on 2015 classification data.

** Peak Volumes

Hourly Vehicular Volumes Bayonne Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Bayonne Bridge



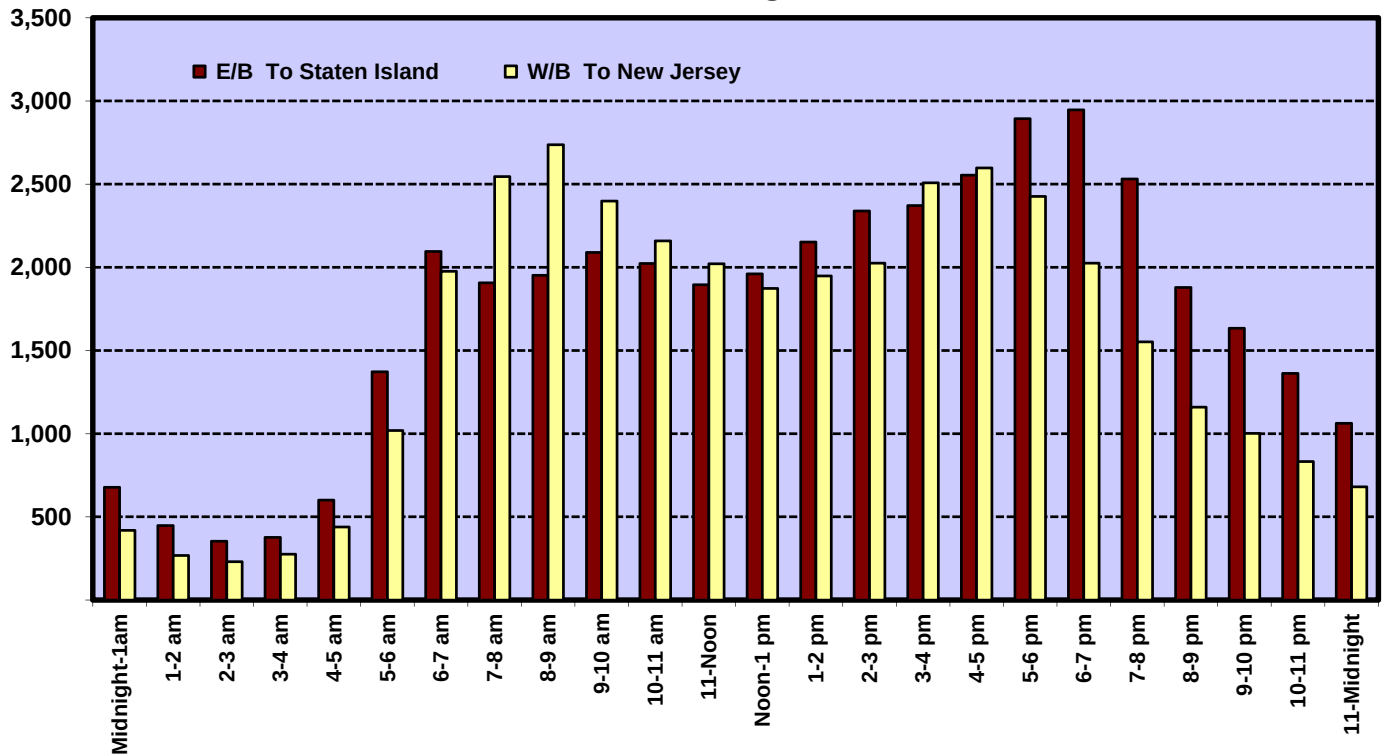
Hourly Vehicular Volumes Goethals Bridge - 2015

	<i>Eastbound to Staten Island</i>					<i>Westbound to New Jersey</i>					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	612	3	15	48	678	339	4	11	65	419	1,097
1-2am	372	2	23	51	448	188	0	30	50	268	716
2-3am	262	3	32	57	354	164	0	14	53	231	585
3-4am	242	3	55	77	377	220	1	14	41	276	653
4-5am	411	2	63	125	601	367	5	21	46	439	1,040
5-6am	1,084	5	110	173	1,372	891	20	41	67	1,019	2,391
6-7am	1,780	11	162	143	2,096	1,800	46	59	71	1,976	4,072
7-8am	1,595	22	132	158	1,907	2,306	46	88	106	2,546	4,453
8-9am	1,617	23	152	160	1,952	2,422	37	109	169	2,737	4,689
9-10am	1,703	38	164	185	2,090	2,053	11	134	201	2,399	4,489
10-11am	1,624	34	158	207	2,023	1,798	4	177	180	2,159	4,182
11-12am	1,550	21	141	184	1,896	1,661	7	172	182	2,022	3,918
12-1pm	1,658	10	125	168	1,961	1,541	14	176	142	1,873	3,834
1-2pm	1,867	12	116	157	2,152	1,561	23	194	170	1,948	4,100
2-3pm	2,073	9	118	139	2,339	1,649	18	198	160	2,025	4,364
3-4pm	2,163	24	89	96	2,372	2,195	9	190	114	2,508	4,880
4-5pm	2,389	24	74	67	2,554	2,386	5	124	83	2,598	5,152
5-6pm	2,729	42	56	67	2,894	2,259	8	88	71	2,426	5,320
6-7pm	2,794	47	47	59	2,947	1,891	4	70	60	2,025	4,972
7-8pm	2,408	41	36	46	2,531	1,475	1	35	41	1,552	4,083
8-9pm	1,796	17	30	36	1,879	1,106	2	15	37	1,160	3,039
9-10pm	1,565	6	21	42	1,634	949	1	13	39	1,002	2,636
10-11pm	1,302	5	18	38	1,363	771	0	32	30	833	2,196
11-12pm	1,006	3	12	42	1,063	605	0	13	63	681	1,744
Totals	36,602	407	1,949	2,525	41,483	32,597	266	2,018	2,241	37,122	78,605
7-10am	4,915	83	448	503	5,949	6,781	94	331	476	7,682	13,631
10am-1pm	4,832	65	424	559	5,880	5,000	25	525	504	6,054	11,934
1-4pm	6,103	45	323	392	6,863	5,405	50	582	444	6,481	13,344
4-7pm	7,912	113	177	193	8,395	6,536	17	282	214	7,049	15,444
7am-7pm	23,762	306	1,372	1,647	27,087	23,722	186	1,720	1,638	27,266	54,353
6-10am	6,695	94	610	646	8,045	8,581	140	390	547	9,658	17,703
3-7pm	10,075	137	266	289	10,767	8,731	26	472	328	9,557	20,324
6am-7pm	25,542	317	1,534	1,790	29,183	25,522	232	1,779	1,709	29,242	58,425

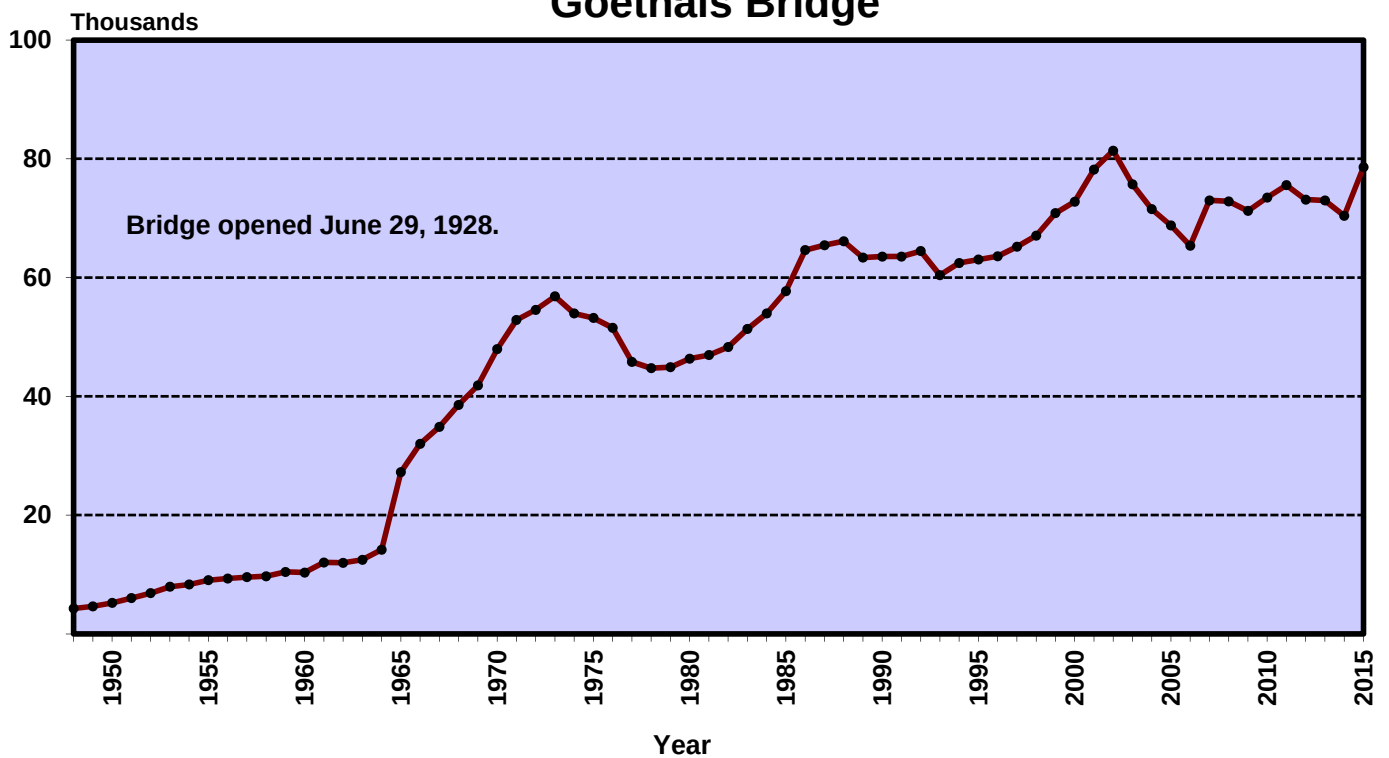
Classification based on October 2014 Data.

** Peak Volumes

Hourly Vehicular Volumes Goethals Bridge ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Goethals Bridge



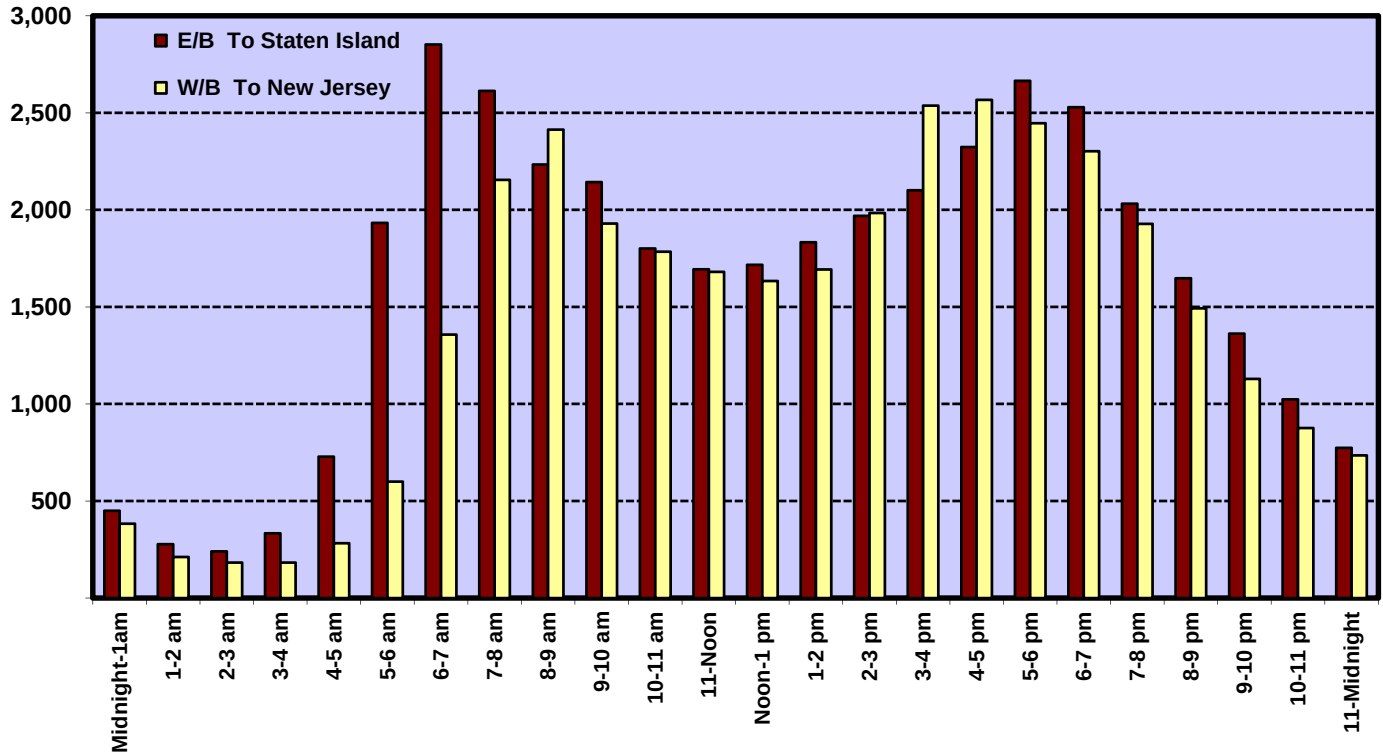
Hourly Vehicular Volumes Outerbridge Crossing - 2015

	Eastbound to Staten Island					Westbound to New Jersey					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	377	3	10	60	450	325	0	6	52	383	833
1-2am	197	4	10	67	278	164	1	4	43	212	490
2-3am	153	4	14	70	241	132	0	12	39	183	424
3-4am	202	3	30	99	334	119	0	21	43	183	517
4-5am	523	8	57	141	729	219	2	21	41	283	1,012
5-6am	1,683	12	97	141	1,933	516	1	43	40	600	2,533
6-7am	2,653	15	103	81	2,852	1,261	1	49	47	1,358	4,210
7-8am	2,438	3	102	70	2,613	2,042	3	70	40	2,155	4,768
8-9am	2,061	5	102	66	2,234	2,268	9	77	60	2,414	4,648
9-10am	1,938	4	103	98	2,143	1,773	16	87	54	1,930	4,073
10-11am	1,622	4	86	89	1,801	1,611	8	110	56	1,785	3,586
11-12am	1,536	3	73	82	1,694	1,499	6	99	77	1,681	3,375
12-1pm	1,581	4	70	62	1,717	1,486	2	91	55	1,634	3,351
1-2pm	1,698	5	68	62	1,833	1,505	3	115	70	1,693	3,526
2-3pm	1,847	5	68	49	1,969	1,837	1	84	62	1,984	3,953
3-4pm	1,995	6	61	39	2,101	2,392	3	87	55	2,537	4,638
4-5pm	2,233	7	53	31	2,324	2,476	1	61	29	2,567	4,891
5-6pm	2,589	7	44	25	2,665	2,377	4	42	24	2,447	5,112
6-7pm	2,456	7	34	32	2,529	2,332	8	42	20	2,302	4,831
7-8pm	1,954	11	25	42	2,032	1,869	18	28	13	1,928	3,960
8-9pm	1,572	7	20	49	1,648	1,431	14	25	23	1,493	3,141
9-10pm	1,292	3	14	54	1,363	1,082	6	14	27	1,129	2,492
10-11pm	945	3	15	61	1,024	823	3	21	29	876	1,900
11-12pm	702	1	11	60	774	682	2	17	34	735	1,509
Totals	36,247	134	1,270	1,630	39,281	32,121	112	1,226	1,033	34,492	73,773
7-10am	6,437	12	307	234	6,990	6,083	28	234	154	6,499	13,489
10am-1pm	4,739	11	229	233	5,212	4,596	16	300	188	5,100	10,312
1-4pm	5,540	16	197	150	5,903	5,734	7	286	187	6,214	12,117
4-7pm	7,278	21	131	88	7,518	7,085	13	145	73	7,316	14,834
7am-7pm	23,994	60	864	705	25,623	23,498	64	965	602	25,129	50,752
6-10am	9,090	27	410	315	9,842	7,344	29	283	201	7,857	17,699
3-7pm	9,273	27	192	127	9,619	9,477	16	232	128	9,853	19,472
6am-7pm	26,647	75	967	786	28,475	24,759	65	1,014	649	26,487	54,962

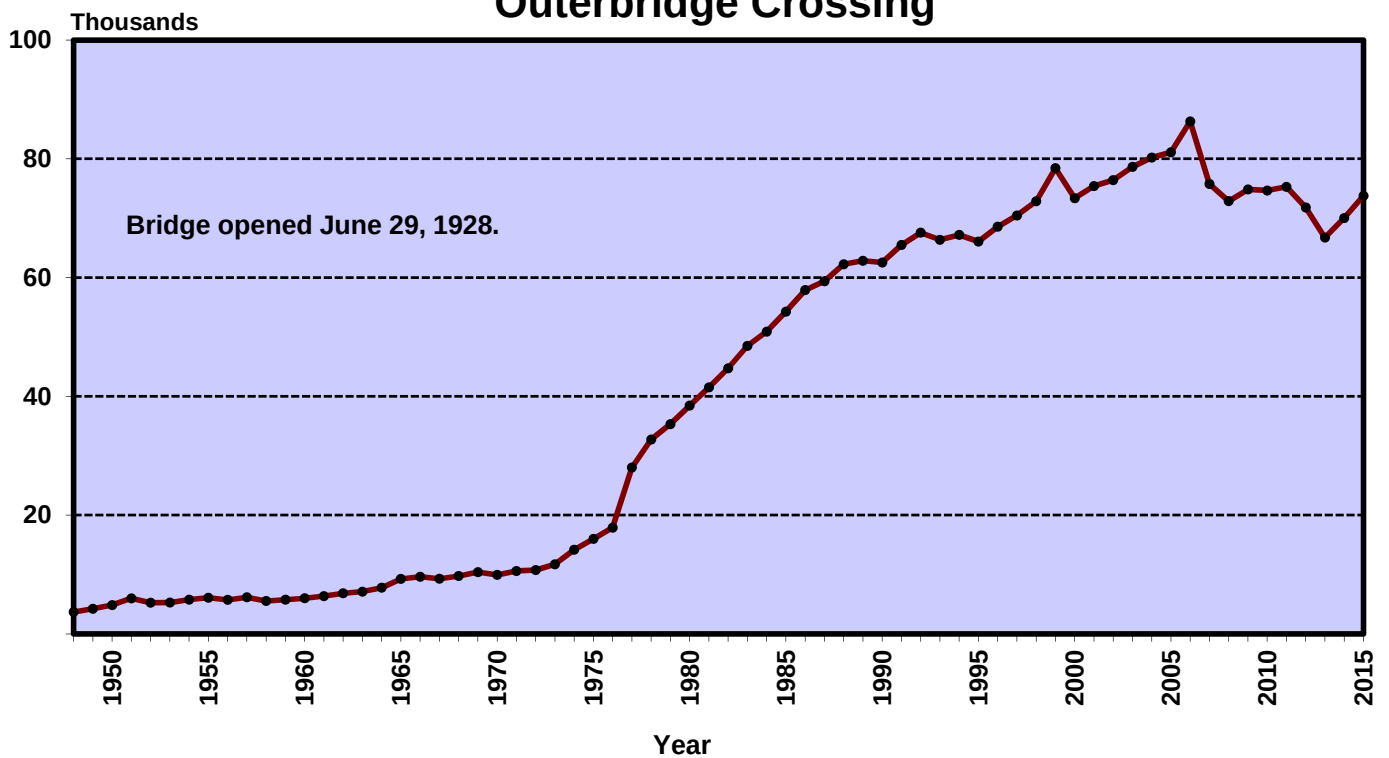
Classification based on October 2014 Data.

** Peak Volumes

Hourly Vehicular Volumes Outerbridge Crossing ~ 2015



Average Daily Traffic Volumes ~ Total of Both Directions Outerbridge Crossing



APPENDIX

2015 Bridge and Tunnel Reconstruction

APPENDIX

Major Bridge Reconstruction In 2015

Brooklyn Bridge (East River between Brooklyn & Manhattan)

As of Monday night, April 4, 2011, the Brooklyn Bridge was closed to Manhattan-bound traffic during overnight hours for long-term reconstruction.

The closure times in 2015 were as follows.

01/03 – 01/09:	Mon – Thu nights Saturday Sunday	11:00pm – 6:00am. 12:01am – 7:00am, 12:01am – 9:00am,
01/10 – 01/30:	Fri night/Sat morning Sat night/Sun morning Mon – Thu nights	Midnight - 7:00am, Midnight - 9:00am. 11:00pm – 6:00am.
01/31 – 02/06:	Fri night/Sat morning Mon – Thu nights	Midnight - 7:00am, 11:00pm – 6:00am.
02/07 – 02/13:	Mon – Thu nights	11:00pm – 6:00am.
02/14 – 03/06:	Fri night/Sat morning Mon – Thu nights	Midnight - 7:00am, 11:00pm – 6:00am.
03/07 – 03/20:	Fri night/Sat morning Sat night/Sun morning Mon – Thu nights	Midnight - 7:00am, Midnight - 9:00am. 11:00pm – 6:00am.
03/21 – 06/12:	Fri night/Sat morning Mon – Thu nights	Midnight - 7:00am, 11:00pm – 6:00am.
05/16 – 05/17:	12:01am Sat – 9:00 am Sun.	
06/06 – 06/07:	12:01am Sat – 9:00 am Sun.	
06/13 – 07/10:	Fri night/Sat morning Sat night/Sun morning Mon – Thu nights	Midnight - 7:00am, Midnight - 9:00am. 11:00pm – 6:00am.
07/11 – 07/17:	12:01am Sat – 5:00 am Mon, Mon – Thu nights	11:00pm – 6:00am.
07/18 – 08/07:	Fri night/Sat morning Sat night/Sun morning Mon – Thu nights	Midnight - 7:00am, Midnight - 9:00am. 11:00pm – 6:00am.
08/08 – 08/14:	Fri night/Sat morning Mon – Thu nights	Midnight - 7:00am, 11:00pm – 6:00am.

08/15 – 08/21:	Fri night/Sat morning Sat night/Sun morning Mon – Thu nights	Midnight - 7:00am, Midnight - 7:00am. 11:00pm – 6:00am.
08/22 – 08/28:	Fri night/Sat morning Mon – Thu nights	Midnight - 7:00am, 11:00pm – 6:00am.
08/29 – 10/09:	Fri night/Sat morning Sat night/Sun morning Mon – Thu nights	Midnight - 7:00am, Midnight - 9:00am. 11:00pm – 6:00am.
10/10 – 10/16:	Mon – Thu nights 12:01am Saturday – 5:00am Monday.	11:00pm – 6:00am,
10/17 – 11/06:	Fri night/Sat morning Mon – Thu nights	Midnight - 7:00am, 11:00pm – 6:00am.
11/07 – 11/24:	Fri night/Sat morning Sat night/Sun morning Mon – Thu nights	Midnight - 7:00am, Midnight - 9:00am. 11:00pm – 6:00am.
11/25 – 11/29:	No Closures.	
11/30 – 12/11:	Fri night/Sat morning Mon – Thu nights	Midnight - 7:00am, 11:00pm – 6:00am.
12/12 – 12/18:	Intermittent overnight closures.	

Bicycle and pedestrian access was maintained during all times. From March 26, 2015, through December 2015, the promenade for pedestrians and bicyclists was reduced in width at various locations. Pedestrians and bicyclists were directed to cautiously share the narrowed pathway.

The northbound FDR Drive exit to the bridge was closed during these times.

The Brooklyn–Queens Expressway eastbound exit onto the bridge was closed 30 minutes earlier during these times, the northbound FDR Drive exits were closed up to an hour earlier, and other Brooklyn ramps onto the bridge were closed 5-15 minutes earlier.

The Manhattan Bridge Lower Roadway was operated Manhattan-bound weekdays from 9:30pm to 3:00pm.

Throughout 2015, there were additional closures of single lanes in each direction on the Brooklyn Bridge during off–peak hours.

Ed Koch Queensboro Bridge (East River between Queens & Manhattan)

This bridge was officially renamed on April 11, 2011, when the mayor signed the legislation which had been passed by the City Council on March 23, 2011.

Throughout 2015, a High Occupancy Vehicle (HOV) facility was in effect on the Ed Koch Queensboro Bridge. The normally Queens–bound South Upper Roadway was reversed between 6:00am and 9:30am on weekdays to accommodate Manhattan–bound HOVs (no trucks) carrying two or more occupants.

Ed Koch Queensboro Bridge Operation (All 2015):

- North Inner Roadway: W/B all times; W/B trucks required to use this roadway.
South Inner Roadway: E/B all times; E/B trucks required to use this roadway.
North Upper Roadway: W/B all times.
South Upper Roadway: Closed for reversal 5:30–6:00am weekdays,
W/B HOVs 6:00–9:30am weekdays,
Closed for reversal 9:30–10:00am weekdays,
E/B all other times.
North Outer Roadway: Reserved for bicyclists and pedestrians at all times.
South Outer Roadway: E/B for passenger cars only.
Closed nightly from 9:00pm to 6:00am.

Throughout 2015, there were intermittent closings of single lanes on individual roadways of the Ed Koch Queensboro Bridge during off-peak hours.

Manhattan Bridge (East River between Brooklyn & Manhattan)

Note: *During 2015, the nearby Brooklyn Bridge was closed to Manhattan-bound traffic during overnight hours.*

Manhattan Bridge Operation: January 1, 2015 To March 27, 2015

- **6:00am – 3:30pm weekdays.**
 - Manhattan-bound: 5 lanes.
 - 2 lanes on the North Upper Roadway
No trucks 5–10 am
Left lane reserved for buses and HOV 2+.
 - 3 lanes on the Lower Roadway.
 - Brooklyn-bound: 2 lanes on the South Upper Roadway.
- **4:00pm – 9:30pm weekdays.**
 - Manhattan-bound: 2 lanes on the North Upper Roadway.
 - Brooklyn-bound: 5 lanes.
 - 2 lanes on the South Upper Roadway.
 - 3 lanes on the Lower Roadway.
- **9:30pm – 2:00pm weekdays.**
 - Manhattan-bound: 5 lanes.
 - 2 lanes on the North Upper Roadway.
 - 3 lanes on the Lower Roadway.
 - Brooklyn-bound: 2 lanes on the South Upper Roadway.
- **9:00pm Friday To 3:30pm Monday.**
 - Manhattan-bound: 5 lanes.
 - 2 lanes on the North Upper Roadway.
 - 3 lanes on the Lower Roadway.
 - Brooklyn-bound: 2 lanes on the South Upper Roadway.

Manhattan Bridge Operation: March 28, 2015 To April 3, 2015

Eastbound upper level fully closed and one lane eastbound on the lower level closed from 12:01am to 8:00am Sunday, and from 9:00pm Sunday to 5:00am Monday. Two lanes maintained eastbound on the lower level during this time.

- **6:00am – 3:30pm weekdays.**
 - Manhattan-bound: 5 lanes.
 - 2 lanes on the North Upper Roadway
No trucks 5–10 am
Left lane reserved for buses and HOV 2+.
 - 3 lanes on the Lower Roadway.
 - Brooklyn-bound: 2 lanes on the South Upper Roadway.
- **3:30pm – 9:00pm weekdays.**
 - Manhattan-bound: 2 lanes on the North Upper Roadway.
 - Brooklyn-bound: 5 lanes.
 - 2 lanes on the South Upper Roadway.
 - 3 lanes on the Lower Roadway.
- **9:30pm – 3:30pm weekdays.**
 - Manhattan-bound: 5 lanes.
 - 2 lanes on the North Upper Roadway.
 - 3 lanes on the Lower Roadway.
 - Brooklyn-bound: 2 lanes on the South Upper Roadway.
- **7:00am Saturday To 5:00am Monday.**
 - Manhattan-bound: 2 lanes on the North Upper Roadway.
 - Brooklyn-bound: 5 lanes.
 - 2 lanes on the South Upper Roadway.
 - 3 lanes on the Lower Roadway.

Manhattan Bridge Operation: April 4, 2015 To November 20, 2015

- **6:00am – 2:30pm weekdays.**
 - Manhattan-bound: 5 lanes.
 - 2 lanes on the North Upper Roadway (no trucks 5–10 am, left lane reserved for buses and HOV 2+).
 - 3 lanes on the Lower Roadway.
 - Brooklyn-bound: 2 lanes on the South Upper Roadway.
- **3:00pm – 9:30pm weekdays.**
 - Manhattan-bound: 2 lanes on the North Upper Roadway.
 - Brooklyn-bound: 5 lanes.
 - 2 lanes on the South Upper Roadway.
 - 3 lanes on the Lower Roadway.

- **9:30pm – 3:30pm weekdays.**
 - Manhattan-bound: 5 lanes.
 - 2 lanes on the North Upper Roadway.
 - 3 lanes on the Lower Roadway.
 - Brooklyn-bound: 2 lanes on the South Upper Roadway.
- **7:00am Saturday To 5:00am Monday.**
 - Manhattan-bound: 2 lanes on the North Upper Roadway.
 - Brooklyn-bound: 5 lanes.
 - 2 lanes on the South Upper Roadway.
 - 3 lanes on the Lower Roadway.

Manhattan Bridge Operation: November 21, 2015 To December 31, 2015

Same as April 4 to November 20, plus:

1 of 3 lanes on the Lower Roadway and 1 of 2 lanes on the North Upper Roadway was closed westbound from 12:01am to 5:00am on weekdays to facilitate NYCDOT bridge repairs.

Throughout 2015, there were additional closures of single lanes in each direction on the Manhattan Bridge during off-peak hours.

Williamsburg Bridge (East River between Brooklyn & Manhattan)

Throughout 2015 trucks were permitted only on the outer roadways.

Pedestrian and bicycle access was maintained on the bridge at all times throughout 2015.

Throughout 2015, there were closures of single lanes in each direction on the Williamsburg Bridge during off-peak hours.

Alexander Hamilton Bridge (Harlem River between Bronx & Manhattan)

Eastbound lane closures were in effect as follows:

01/01 – 06/30:	11:00pm - 5:30am	Weeknights.	1 E/B lane closed as needed.
	12:01am-5:30am	Sat.	1 or 2 E/B lanes closed as needed.
	12:01am-6:00am	Sun.	1 or 2 E/B lanes closed as needed.

Westbound lane closures were in effect as follows:

01/01 – 06/30:	11:00pm - 5:30am	Weeknights.	1 W/B lane closed as needed.
	12:01am-5:30am	Sat.	1 W/B lane closed as needed.
	1:00am-5:00am	Sat.	1 or 2 W/B lanes closed as needed.
	2:00am-5:30am	Sun.	1 or 2 W/B lanes closed as needed.

3rd Avenue Bridge (Harlem River between Manhattan and Bronx)

The 3rd Avenue Bridge was fully closed Tuesday, May 12, from 1:00am to 4:00am for testing operations.

Washington Bridge (Harlem River between Manhattan and Bronx)

From January 31 to September 30, two lanes (either eastbound or westbound) were closed twice a week from 12:01am to 5:00am to facilitate NYCDOT bridge repair work.

From November 7 to December 31, two westbound lanes were closed twice a week from 12:01am to 5:00am weeknights to facilitate NYCDOT bridge repair work.

145th Street Bridge (Harlem River between Manhattan and Bronx)

The 145th Street Bridge was fully closed Friday, May 15, from 12:01am to 4:00am for testing operations.

J.J. Byrne Memorial Bridge over Newtown Creek

(Also known as Greenpoint Avenue Bridge)

Westbound lane closures were in effect as follows:

05/28 – 05/29: 11:00pm Thu – 5:00am Fri 1 of 2 W/B lanes closed,

Eastbound lane closures were in effect as follows:

06/20 – 07/10: 8:00am– 2:00pm Mon-Sat 1 of 3 E/B lanes closed.

07/25 – 08/07: 8:00am– 2:00pm Mon-Sat 1 of 3 E/B lanes closed.

Pulaski Bridge over Newtown Creek

Northbound lane closures were in effect as follows:

01/10 – 01/16:	8:00pm - Midnight	All Days	1 of 3 N/B lanes closed,
	9:00pm – Midnight	All Days	2 of 3 N/B lanes closed,
	11:00pm – Midnight	Weekdays	Full N/B closures for 5 min maximum intervals.

Eastchester Bridge (Boston Road over the Hutchinson River, Bronx)

Lane closures were in effect as follows:

07/11 – 07/24: 11:00pm – 5:00am Mon & Wed 1 of 2 S/B lanes closed.

08/22 – 09/18: 11:00pm – 5:00am 2 nights weekly 1 of 2 N/B or S/B lanes closed.

Hutchinson River Parkway Bridge (Bronx)

On March 24 and March 25, two of three southbound lanes were closed from 12:01am to 5:00am to facilitate NYCDOT bridge repairs.

On Thursday, May 21, and Thursday, May 28, the right lane northbound was closed from 12:01 am to 5:00am to facilitate NYCDOT bridge repairs.

Unionport Bridge (Westchester Creek, Bronx)

From January 5 to January 30, one northbound lane was closed as needed from 11:00pm to 5:00am weeknights to facilitate NYCDOT bridge deck repairs.

From March 21 to December 31, one northbound lane was closed two nights per week from 11:00pm to 5:00am weeknights to facilitate NYCDOT bridge deck repairs.

From October 24 to December 31, one southbound lane was closed two nights per week from 12:01am to 5:00am weeknights to facilitate NYCDOT bridge deck repairs.

Hamilton Avenue Bridge (Gowanus Canal, Brooklyn)

The southbound roadway (to Staten Island) was closed as follows:

06/20 – 07/03: 11:00pm – 5:00am Tue-Thu
2-way traffic maintained on the northbound (to Manhattan) roadway.

Throughout 2015, there were intermittent closures of single lanes in both directions as needed during off-peak hours.

Metropolitan Avenue Bridge (Over English Kills, Brooklyn)

This bridge was completely closed to vehicular and pedestrian traffic in both directions as follows:

01/20 – 01/31: 12:01am – 5:00am Tue-Fri,
1:00am – 6:00am Sat.
06/13 – 06/26: 12:01am – 5:00am Tue-Fri,
1:00am – 6:00am Sat.
10/13 – 10/17: 12:01am – 5:00am Tue-Fri,
1:00am – 6:00am Sat.

Mill Basin Bridge (Belt Parkway, Brooklyn)

Eastbound lane closures were in effect as follows:

03/07 – 03/27:	10:00am – 2:00pm	Weekdays	1 of 3 E/B lanes closed.
04/20 – 04/24:	10:00am – 2:00pm	Weekdays	1 of 3 E/B lanes closed.
07/11 – 12/31:	10:00am – 2:00pm	Weekdays	1 E/B lane closed as needed.
	10:00pm – 5:00am	Weekdays	1 E/B lane closed as needed.
	11:00pm Fri – 6:00am Sat		1 E/B lane closed as needed.
	11:00pm Sat – 8:00am Sun		1 E/B lane closed as needed.
	1:00am – 5:00am	Weekdays	2 E/B lanes closed as needed.
	1:00am – 5:00am	Sat	2 E/B lanes closed as needed.
	2:00am – 7:00am	Sun	2 E/B lanes closed as needed.

Westbound lane closures were in effect as follows:

03/07 – 03/27: 10:00am – 2:00pm Weekdays 1 of 3 W/B lanes closed.

04/20 – 04/24:	10:00am – 2:00pm	Weekdays	1 of 3 W/B lanes closed.
07/11 – 12/31:	10:00am – 2:00pm	Weekdays	1 W/B lane closed as needed.
	10:00pm – 5:00am	Weekdays	1 W/B lane closed as needed.
	11:00pm Fri – 6:00am Sat		1 W/B lane closed as needed.
	11:00pm Sat – 8:00am Sun		1 W/B lane closed as needed.
	1:00am – 5:00am	Weekdays	2 W/B lanes closed as needed.
	1:00am – 5:00am	Sat	2 W/B lanes closed as needed.
	2:00am – 7:00am	Sun	2 W/B lanes closed as needed.

3rd Street Bridge (Gowanus Canal, Brooklyn)

From March 7 to March 27, one lane was closed weeknights from 11pm to 5am to facilitate bridge repair work.

Union Street Bridge (Gowanus Canal, Brooklyn)

From January 31 to March 6, one lane was closed on Monday and Wednesday nights from 11pm to 5am to facilitate bridge repair work.

From March 7 to March 27, one lane was closed weeknights from 11pm to 5am to facilitate bridge repair work.

Flushing Bridge (Flushing River, Queens)

Eastbound lane closures were in effect as follows:

04/14 – 04/15:	11:00pm Tue - 5:00am Wed	1 of 3 E/B lanes closed.
04/16 – 04/17:	11:00pm Thu - 5:00am Fri	1 of 3 E/B lanes closed.

Westbound lane closures were in effect as follows:

04/25 – 05/22:	11:00pm Tue - 5:00am Wed	1 of 3 W/B lanes closed.
	Midnight - 5:00am Wed	2 of 3 W/B lanes closed.
	11:00pm Thu - 5:00am Fri	1 of 3 W/B lanes closed.
	Midnight - 5:00am Fri	2 of 3 W/B lanes closed.

Roosevelt Island Bridge (East River, Queens-Manhattan)

The Roosevelt Island Bridge was fully closed April 28 from 10:00am to 2:00pm for up to 15 minutes at a time to conduct NYC bridge testing.

On November 24, one lane at a time was closed from 7am to 3pm. Also, between 10am and 2pm there were intermittent full closures of the bridge to facilitate operational testing.

Henry Hudson Bridge

Throughout 2015, there were intermittent lane closures in both directions on the Henry Hudson Bridge during off-peak hours.

Hugh L. Carey Tunnel (formerly Brooklyn-Battery Tunnel)

From March 7 to December 31, one tube was closed nightly from 9:30pm to 5:30am, and from 9:30pm Friday to 5:30am Monday. During these times there was one lane in each direction in the remaining tube.

Robert F. Kennedy Bridge (formerly Triborough Bridge)

From March 16 to April 13, one of two lanes on the ramp to the Bruckner Expressway was closed round-the-clock.

Throughout 2015, there were also intermittent closures of single lanes on the Robert F. Kennedy Bridge during off-peak hours.

Bronx-Whitestone Bridge

Throughout 2015, there were also intermittent lane closures on the Bronx-Whitestone Bridge during off-peak hours.

Throgs Neck Bridge

Throughout 2015, there were intermittent lane closures on the Throgs Neck Bridge during off-peak hours.

Verrazano-Narrows Bridge

Throughout 2015, trucks were required to use the upper level.

Throughout 2015, there were lane and roadway closures in both directions on the Verrazano-Narrows Bridge roadways during off-peak hours.

George Washington Bridge (Hudson River between Manhattan & New Jersey)

Eastbound closures were in effect on the George Washington Bridge as follows:

02/17 – 05/11:	11:00pm – 5:00am Weekdays, 11:59pm Fri – 8:00am Sat.	2 E/B lanes closed.
05/12 – 07/11:	11:00pm – 5:00am Weekdays, 11:59pm Fri – 8:00am Sat.	2 or 3 E/B lanes closed.
08/29 – 09/20:	11:00pm – 5:00am Weekdays, Midnight Fri – 8:00am Sat. Midnight Sat – 8:00am Sun.	2 E/B lanes closed.
Mon, 09/21, 9:00pm – Tue, 09/22, 5:00am:		E/B Lower Level closed.
Fri, 09/25, 11:00pm – Sat, 09/26, 8:00am:		E/B Lower Level closed.
Sat, 09/26, 11:59pm – Sun, 09/27, 8:00am:		2 E/B Upper Level lanes closed.

09/28 – 10/02: 9:00pm – 5:00am Mon-Thu E/B Lower Level closed.
11:00pm – 8:00am Fri.

Fri, 10/02, 1100pm – Sat, 10/03, 8:00am: E/B Lower Level closed.
Mon, 10/05, 11:00pm – Tue, 10/06, 5:00am: 2 E/B Upper Level lanes closed.
Tue, 10/06, 10:00pm – Wed, 10/07, 5:00am: 2 E/B Upper Level lanes closed.
Wed, 10/07, 11:00pm – Thu, 10/08, 5:00am: E/B Lower Level closed.
Thu, 10/08, 11:00pm – Fri, 10/09, 8:00am: E/B Lower Level closed.
Wed, 10/14, 11:00pm – Thu, 10/15, 5:00am: 2 E/B Upper Level lanes closed.
Thu, 10/15, 11:00pm – Fri, 10/16, 8:00am: 2 E/B Upper Level lanes closed.
Fri, 10/16, 1100pm – Sat, 10/17, 8:00am: E/B Lower Level closed.
Mon, 10/19, 11:00pm – Tue, 10/20, 5:00am: E/B Lower Level closed.
Tue, 10/20, 10:00pm – Wed, 10/21, 5:00am: E/B Lower Level closed.
Fri, 10/23, 1100pm – Sat, 10/24, 8:00am: E/B Lower Level closed.
Mon, 10/26, 9:00pm – Tue, 10/27, 5:00am: E/B Lower Level closed.
Tue, 10/27, 9:00pm – Wed, 10/07, 5:00am: E/B Lower Level closed.
Fri, 10/30, 1100pm – Sat, 10/31, 8:00am: E/B Lower Level closed.
Thu, 12/17, 11:00pm – Fri, 12/18, 5:00am: E/B Lower Level closed.

Westbound closures were in effect on the George Washington Bridge as follows:

02/26 – 07/11: 11:00pm – 5:00am Weekdays, 2 W/B lanes closed.
11:59pm Fri – 8:00am Sat.
08/29 – 09/23: 9:00pm – 5:00am Weekdays, 2 W/B lanes closed.
11:59pm Fri – 8:00am Sat.
11:59pm Sat – 8:00am Sun.
Thu, 09/24, 9:00pm – Fri, 09/25, 5:00am: W/B Lower Level closed.
Fri, 09/25, 11:59pm – Sat, 09/26, 8:00am: 2 W/B Upper Level lanes closed.
Sat, 09/26, 11:59pm – Sun, 09/27, 8:00am: 2 W/B Upper Level lanes closed.
Fri, 10/02, 11:59pm – Sat, 10/03, 8:00am: 2 W/B Upper Level lanes closed.
Sat, 10/03, 11:59pm – Sun, 10/04, 8:00am: 2 W/B Upper Level lanes closed.
Mon, 10/05, 9:00pm – Tue, 10/06, 5:00am: W/B Lower Level closed.
Tue, 10/06, 9:00pm – Wed, 10/07, 5:00am: W/B Lower Level closed.
Wed, 10/07, 9:00pm – Thu, 10/08, 5:00am: W/B Lower Level closed.
Thu, 10/08, 9:00pm – Fri, 10/09, 8:00am: 2 W/B Lower Level lanes closed.
Tue, 10/13, 9:00pm – Wed, 10/14, 5:00am: W/B Lower Level closed.
Wed, 10/14, 9:00pm – Thu, 10/15, 5:00am: W/B Lower Level closed.
Thu, 10/08, 9:00pm – Fri, 10/16, 5:00am: W/B Lower Level closed.
Fri, 10/16, 11:59pm – Sat, 10/17, 8:00am: 2 W/B Upper Level lanes closed.

Sat, 10/17, 11:59pm – Sun, 10/18, 8:00am:	2 W/B Upper Level lanes closed.
Wed, 10/21, 9:00pm – Thu, 10/22, 5:00am:	W/B Lower Level closed.
Thu, 10/22, 9:00pm – Fri, 10/23, 5:00am:	W/B Lower Level closed.
Sat, 10/24, 11:59pm – Sun, 10/25, 8:00am:	2 W/B Upper Level lanes closed.
Tue, 10/27, 9:00pm – Wed, 10/28, 5:00am:	2-3 W/B Lower Level lanes closed.
Wed, 10/28, 9:00pm – Thu, 10/29, 5:00am:	2-3 W/B Lower Level lanes closed.
Thu, 10/29, 9:00pm – Fri, 10/30, 5:00am:	2-3 W/B Lower Level lanes closed.
Mon, 11/02, 10:00pm – Tue, 11/03, 5:00am:	W/B Lower Level closed.

Throughout 2015, there were additional closures of single or multiple lanes, as well as individual roadways, during off-peak hours, to facilitate PANYNJ maintenance work.

Holland Tunnel (Hudson River between Manhattan & New Jersey)

Throughout 2015, only two and three-axle single unit trucks were allowed in both directions.

From 11:59pm Saturday, March 28, to 8:00am Sunday, March 29, the Holland Tunnel was closed eastbound for an emergency response drill.⁸

Throughout 2015, there were intermittent closures of single lanes in both directions during off-peak hours to facilitate PANYNJ maintenance work.

Lincoln Tunnel (Hudson River between Manhattan & New Jersey)

From February 16 to December 31, there were off-peak closures of one of the three tubes for routine maintenance.

From March 9 to December 31, there were intermittent full-time partial closures of the helix in both directions, with full closures in one direction during the off-peak overnight hours.

Throughout 2015, there were additional intermittent lane closures during off-peak hours to facilitate PANYNJ maintenance work.

Bayonne Bridge (Kill Van Kull between Staten Island & New Jersey)

Throughout 2015, over-sized vehicles were not permitted on the Bayonne Bridge.

Throughout 2015, one of two lanes in each direction was closed round-the-clock.

The entire Bayonne Bridge was fully closed in both directions as follows:

01/01 - 01/09:	9:00pm – 5:00am	Weeknights,	<i>Bridge fully closed in both directions.</i>
	Midnight Fri – 8:00am Sat.		
01/10 – 02/16:	9:00pm – 5:00am	Weeknights,	<i>Bridge fully closed in both directions.</i>
	Midnight Fri – 11:59pm Sat.		

02/17 – 02/19:	9:00am – 3:00pm Weekdays, 9:00pm – 5:00am Weeknights, 11:59pm Fri – 11:59pm Sat.	<i>Bridge fully closed in both directions.</i>
03/20 – 03/23:	9:00pm Fri – 5:00am Mon	<i>Bridge fully closed in both directions.</i>
03/24 – 04/23:	9:00am – 3:00pm Weekdays, 9:00pm – 5:00am Weeknights, 11:59pm Fri – 11:59pm Sat.	<i>Bridge fully closed in both directions.</i>
04/24 – 04/26:	11:59pm Fri – 8:00am Sun	<i>Bridge fully closed in both directions.</i>
04/27 – 04/30:	9:00am – 3:00pm Weekdays, 8:30pm – 5:00am Weeknights, 11:59pm Fri – 8:00am Sun.	<i>Bridge fully closed in both directions.</i>
05/01 – 05/28:	9:00am – 3:00pm Weekdays, 8:30pm – 5:00am Weeknights, 11:59pm Fri – 8:00am Sat.	<i>Bridge fully closed in both directions.</i>
05/01 – 05/28:	9:00am – 3:00pm Weekdays, 8:30pm – 5:00am Weeknights, 11:59pm Fri – 8:00am Sat.	<i>Bridge fully closed in both directions.</i>
05/29 – 08/21	9:00am – 3:00pm Weekdays, 8:30pm – 5:00am Weeknights, 11:59pm Fri – 8:00am Sat or Sun.	<i>Bridge fully closed in both directions.</i>
08/22 – 12/31	9:00pm – 5:00am Midnight Fri to 11:59pm Sat	<i>Bridge fully closed in both directions. Bridge fully closed in both directions.</i>

Goethals Bridge (Arthur Kill between Staten Island & New Jersey)

Throughout 2015, there were intermittent closures of one of the two lanes in either or both directions during off-peak hours.

Eastbound lane closures were in effect as follows:

03/26 – 03/28:	10:00pm Thu – 5:00am Fri. 11:59pm Fri – 8:00am Sat.	1 eastbound lane closed. 1 eastbound lane closed.
03/30 – 03/31:	10:00pm Mon – 5:00am Tue.	1 eastbound lane closed.
04/01 – 04/05:	NO EASTBOUND LANE CLOSURES.	
04/13 – 04/14:	9:00pm Mon – 5:00am Tue.	1 eastbound lane closed.
04/27 – 05/01:	8:00am – 5:00pm Weekdays.	1 eastbound lane closed.
05/26 – 08/07:	10:00pm Tue – 5:00am Wed.	1 eastbound lane closed.

Westbound lane closures were in effect as follows:

03/27 – 03/28:	11:59pm Fri – 8:00am Sat.	1 westbound lane closed.
03/29 – 04/05:	NO WESTBOUND LANE CLOSURES.	
04/12 – 04/13:	7:30am – 8:30am Sun.	1 westbound lane closed.
	11:00pm Sun – 5:00am Mon.	1 westbound lane closed.
04/20 – 04/30:	10:00pm – 5:00am Weekdays.	1 westbound lane closed.
05/11 – 05/15:	6:00am – 3:00pm Weekdays, 11:00pm Fri – 7:00am Sat.	1 westbound lane closed.

Toll lane closures were in effect as follows:

03/18 – 03/20:	7:00am – 5:00pm Wed-Fri.	2 Toll lanes closed.
05/26 – 05/27:	10:00pm Tue – 5:00am Wed. <i>Both High Speed EZ Pass lanes closed.</i>	
05/27 – 06/19:	7:00am Wed May 27 – 12:00pm Fri June 19. <i>2 EZ Pass lanes closed round-the-clock.</i>	
05/27 – 06/19:	7:00am Wed May 27 – 12:00pm Fri June 19. <i>2 EZ Pass lanes closed round-the-clock.</i>	
06/01 – 06/26:	7:00am – 5:00pm Weekdays.	1 E/B toll lane closed.
08/31 – 10/02:	7:00am – 2:00pm Weekdays.	1 E/B toll lane closed.

Throughout 2015, there were additional intermittent closures of one of the two lanes in either or both directions during off-peak hours.

