

2013 New York City Bridge Traffic Volumes



Bill de Blasio
Mayor



Polly Trottenberg
Commissioner

A member of the New York Metropolitan Transportation Council

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2013
NEW YORK CITY
BRIDGE TRAFFIC VOLUMES

2,712,683

vehicles per day used the 47 toll-free bridges monitored by the New York City Department of Transportation in 2013.

1.1% Increase

from the 2,683,335 daily vehicles recorded in 2012.

2.0% Increase

In daily volume on the nine Harlem River bridges, to 558,163 in 2013 from 547,207 in 2012. Largest increase of any sector.

8.2% Increase

Mill Basin Bridge in Brooklyn

Largest increase on bridges carrying more than 50,000 daily vehicles: 148,084 daily vehicles in 2013, up from 136,875 in 2012.

3.7% Decrease

Ed Koch Queensboro Bridge over the East River between Manhattan and Queens

Largest decrease on bridges carrying more than 50,000 daily vehicles: 171,556 daily vehicles in 2013, down from 178,188 in 2012.

Whitestone Expressway Bridge over the Flushing River in Queens

205,790 vehicles per day, the most heavily-utilized toll-free bridge in New York City.

Alexander Hamilton Bridge over Harlem River

188,417 vehicles per day, the most heavily-utilized of the nine Harlem River bridges.



Kosciuszko Bridge over Newtown Creek

191,225 vehicles per day, the most heavily-utilized of the four bridges between Brooklyn and Queens.

Mill Basin Bridge along Belt Parkway

148,084 vehicles per day, the most heavily-utilized of the ten bridges in Brooklyn.

Eastern Boulevard Bridge over the Bronx River

175,436 vehicles per day, the most heavily-utilized of the eight bridges in The Bronx.



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Introduction



Mill Basin Bridge ~ Brooklyn

INTRODUCTION

The *2013 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, the New York City Department of Transportation (NYCDOT) has monitored traffic flow on 47 bridges operated by the City of New York. This *2013 New York City Bridge Traffic Volumes* report summarizes vehicular volumes and classification data for the 47 bridges that cross over water. 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).

All 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 65 years are shown in graphical form.

Bridge 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 of the 47 New York City bridges and the MTABT and PANYNJ facilities has been 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



9th Street Bridge over Gowanus Canal in Brooklyn

SUMMARY

2013 Volumes

- In 2013, daily traffic on the 47 bridges operated by the New York City Department of Transportation increased 1.1%, to 2,712,683 from 2,683,335 in 2012.
- Daily traffic on the four East River bridges decreased 0.6%, to 477,147 in fall 2013 from 480,259 in fall 2012.
- Daily volume using the nine Harlem River bridges increased 2.0%, to 558,163 in fall 2013 from 547,207 in fall 2012.
- Daily traffic using the four bridges over Newtown Creek between Queens and Brooklyn decreased 0.8%, to 269,845 in 2013 from 272,058 in 2012.
- On the eight bridges in The Bronx, daily traffic increased 2.0%, to 456,730 in 2013 from 447,813 in 2012.
- On the ten bridges in Brooklyn, daily traffic increased 1.4%, to 326,908 from 322,259.
- On the eleven bridges in Queens, daily traffic increased 1.4%, to 563,650 from 555,713.
- Daily traffic on the Fresh Kills Bridge in Staten Island increased 3.8%, to 60,240 from 58,026.

Most Heavily Used City-Operated Bridges in 2013

- Whitestone Expressway Bridge over the Flushing River in Queens (205,790 vehicles per day).
- Kosciuszko Bridge over Newtown Creek between Brooklyn and Queens (191,225 vehicles per day).
- Alexander Hamilton Bridge over the Harlem River between Manhattan and The Bronx (188,417 vehicles per day).
- Ed Koch Queensboro Bridge over the East River between Manhattan and Queens (171,556 vehicles per day).
- Eastern Boulevard Bridge over the Bronx River in The Bronx (175,436 vehicles per day).
- Mill Basin Bridge along Belt Parkway in Brooklyn (148,084 vehicles per day).
- Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx (120,999 vehicles per day).
- Williamsburg Bridge over the East River between Manhattan and Brooklyn (115,674 vehicles per day).
- Brooklyn Bridge over the East River between Manhattan and Brooklyn (102,542 vehicles per day).

Major Increases

- Mill Basin Bridge on Belt Parkway over Mill Basin in Brooklyn: up 11,209 daily vehicles, to 148,084 in 2013 from 136,875 in 2012 (+8.2%).
- Eastern Boulevard Bridge on Bruckner Expressway over the Bronx River in The Bronx: up 6,985 daily vehicles, to 175,436 in 2013 from 168,451 in 2012 (+4.1%).
- Madison Avenue Bridge over the Harlem River between Manhattan and The Bronx: up 5,264 daily vehicles, to 47,046 from 41,782 (+12.6%).

Major Decreases

- Ed Koch Queensboro Bridge over the East River between Manhattan and Queens: down 6,632 daily vehicles, to 171,556 in 2013 from 178,188 in 2012 (-3.7%).
- Kosciuszko Bridge on the Brooklyn-Queens Expressway over Newtown Creek between Brooklyn and Queens: down 4,992 daily vehicles, to 191,225 in 2013 from 196,217 in 2012 (-2.5%).
- Hamilton Avenue Bridge over the Gowanus Canal in Brooklyn: down 3,476 daily vehicles, to 52,321 in 2013 from 55,797 in 2012 (-6.2%).
- Washington Bridge over the Harlem River between Manhattan and The Bronx: down 2,980 daily vehicles, to 54,031 from 57,011 (-5.2%).

2012-2013 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
Page 1 of 3

EAST RIVER BRIDGES	Highway Functional Classification	2012	2013	Percent Change
Brooklyn Bridge	Principal Arterial	100,288	102,542	2.2 %
Ed Koch Queensboro Bridge *	Principal Arterial	178,188	171,556	- 3.7 %
Manhattan Bridge	Principal Arterial	89,087	87,375	- 1.9 %
Williamsburg Bridge	Principal Arterial	112,696	115,674	2.6 %
Total, 4 East River Bridges		480,259	477,147	- 0.6 %

HARLEM RIVER BRIDGES

Alexander Hamilton Bridge	Interstate	185,309	188,417	1.7 %
Broadway Bridge	Principal Arterial	35,411	35,462	0.1 %
Macombs Dam Bridge	Principal Arterial	39,020	38,930	- 0.2 %
Madison Avenue Bridge	Principal Arterial	41,782	47,046	12.6 %
Third Avenue Bridge	Principal Arterial	59,053	60,120	1.8 %
University Heights Bridge	Principal Arterial	39,641	40,774	2.9 %
Washington Bridge	Minor Arterial	57,011	54,031	- 5.2 %
Willis Avenue Bridge	Principal Arterial	62,062	65,216	5.1 %
145th Street Bridge	Minor Arterial	27,918	28,167	0.9 %
Total, 9 Harlem River Bridges		547,207	558,163	2.0 %

BROOKLYN-QUEENS BRIDGES

Grand Street Bridge	Principal Arterial	12,595	13,843	9.9 %
J.J. Byrne Memorial Bridge **	Principal Arterial	26,379	25,701	- 2.6 %
Kosciuszko Bridge	Interstate	196,217	191,225	- 2.5 %
Pulaski Bridge	Principal Arterial	36,867	39,076	6.0 %
Total, 4 Brooklyn-Queens Bridges (Over Newtown Creek)		272,058	269,845	- 0.8 %

BRONX BRIDGES

City Island Bridge	Minor Arterial	16,424	16,431	0.0 %
East 174th Street Bridge	Minor Arterial	15,534	15,273	- 1.7 %
Eastchester Bridge	Principal Arterial	21,483	21,393	- 0.4 %
Eastern Boulevard Bridge	Interstate	168,451	175,436	4.1 %
Hutchinson River Parkway Bridge	Principal Arterial	118,000	120,999	2.5 %
Pelham Bridge	Minor Arterial	17,668	18,330	3.7 %
Unionport Bridge	Principal Arterial	62,845	61,892	- 1.5 %
Westchester Avenue Bridge	Principal Arterial	27,408	26,976	- 1.6 %
Total, 8 Bronx Bridges		447,813	456,730	2.0 %

* Queensboro Bridge renamed April 11, 2011.

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

2012-2013 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
Page 2 of 3

BROOKLYN BRIDGES	Highway Functional Classification	2012	2013	Percent Change
Carroll Street Bridge	Local	1,136	1,072	- 5.6 %
Cropsey Avenue Bridge	Principal Arterial	34,998	34,062	- 2.7 %
Hamilton Avenue Bridge	Principal Arterial	55,797	52,321	- 6.2 %
Metropolitan Avenue Bridge	Principal Arterial	38,262	37,437	- 2.2 %
Mill Basin Bridge	Principal Arterial	136,875	148,084	8.2 %
Ninth Street Bridge	Minor Arterial	13,321	12,136	- 8.9 %
Stillwell Avenue Bridge	Principal Arterial	8,827	8,519	- 3.5 %
Third Avenue Bridge	Principal Arterial	17,432	17,630	1.1 %
Third Street Bridge	Minor Arterial	10,579	10,611	0.3 %
Union Street Bridge	Minor Arterial	5,032	5,036	0.1 %

Total, 10 Brooklyn Bridges		322,259	326,908	1.4 %
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QUEENS BRIDGES

Borden Avenue Bridge	Minor Arterial	13,396	12,265	- 8.4 %
Flushing Bridge	Principal Arterial	54,518	55,690	2.1 %
Hook Creek Bridge	Principal Arterial	76,023	77,868	2.4 %
Hunters Point Bridge	Collector	8,116	8,026	- 1.1 %
Joseph P. Addabbo Bridge *	Principal Arterial	23,612	26,630	12.8 %
Little Neck Bridge	Principal Arterial	47,735	47,945	0.4 %
Midtown Highway Bridge	Interstate	88,184	87,827	- 0.4 %
Rikers Island Bridge	Collector	12,265	14,065	14.7 %
Roosevelt Avenue Bridge	Principal Arterial	17,439	17,994	3.2 %
Roosevelt Island Bridge	Collector	9,516	9,550	0.4 %
Whitestone Expwy Bridge	Interstate	204,909	205,790	0.4 %

Total, 11 Queens Bridges		555,713	563,650	1.4 %
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STATEN ISLAND

Fresh Kills Bridge	Principal Arterial	58,026	60,240	3.8 %
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TOLL-FREE GRAND TOTALS		2,683,335	2,712,683	1.1 %
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* Joseph P. Addabbo Bridge also known as North Channel Bridge.

2012-2013 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
Page 3 of 3

MTABT Manhattan Facilities	Highway Functional Classification	2012	2013	Percent Change
Henry Hudson Bridge	Principal Arterial	63,434	59,087	- 6.9 %
Hugh L. Carey Tunnel *	Interstate	54,299	55,145	1.6 %
Queens-Midtown Tunnel	Interstate	87,937	86,737	- 1.4 %
R.F.K. Memorial Bridge Manhattan Plaza **	Principal Arterial	90,956	91,386	0.5 %
Total, 4 MTABT Manhattan Crossings		296,626	292,355	- 1.4 %

PANYNJ Manhattan Facilities

George Washington Bridge	Interstate	276,648	277,645	0.4 %
Holland Tunnel	Interstate	92,743	90,012	- 2.9 %
Lincoln Tunnel	Principal Arterial	113,166	112,162	- 0.9 %
Total, 3 PANYNJ Manhattan - New Jersey Crossings		482,557	479,819	- 0.6 %

MTABT Outer Borough Bridges

Bronx-Whitestone Bridge	Interstate	105,718	104,511	- 1.1 %
Cross Bay Veterans Memorial Bridge	Minor Arterial	21,595	22,016	1.9 %
Marine Parkway Gil Hodges Memorial Bridge	Minor Arterial	21,290	22,010	3.4 %
R.F.K. Memorial Bridge Bronx Plaza **	Interstate	78,437	79,006	0.7 %
Throgs Neck Bridge	Interstate	108,858	110,753	1.7 %
Verrazano-Narrows Bridge	Interstate	193,100	192,033	- 0.6 %
Total, 6 MTABT Outer Borough Bridges		528,998	530,329	0.3 %

PANYNJ Staten Island Bridges

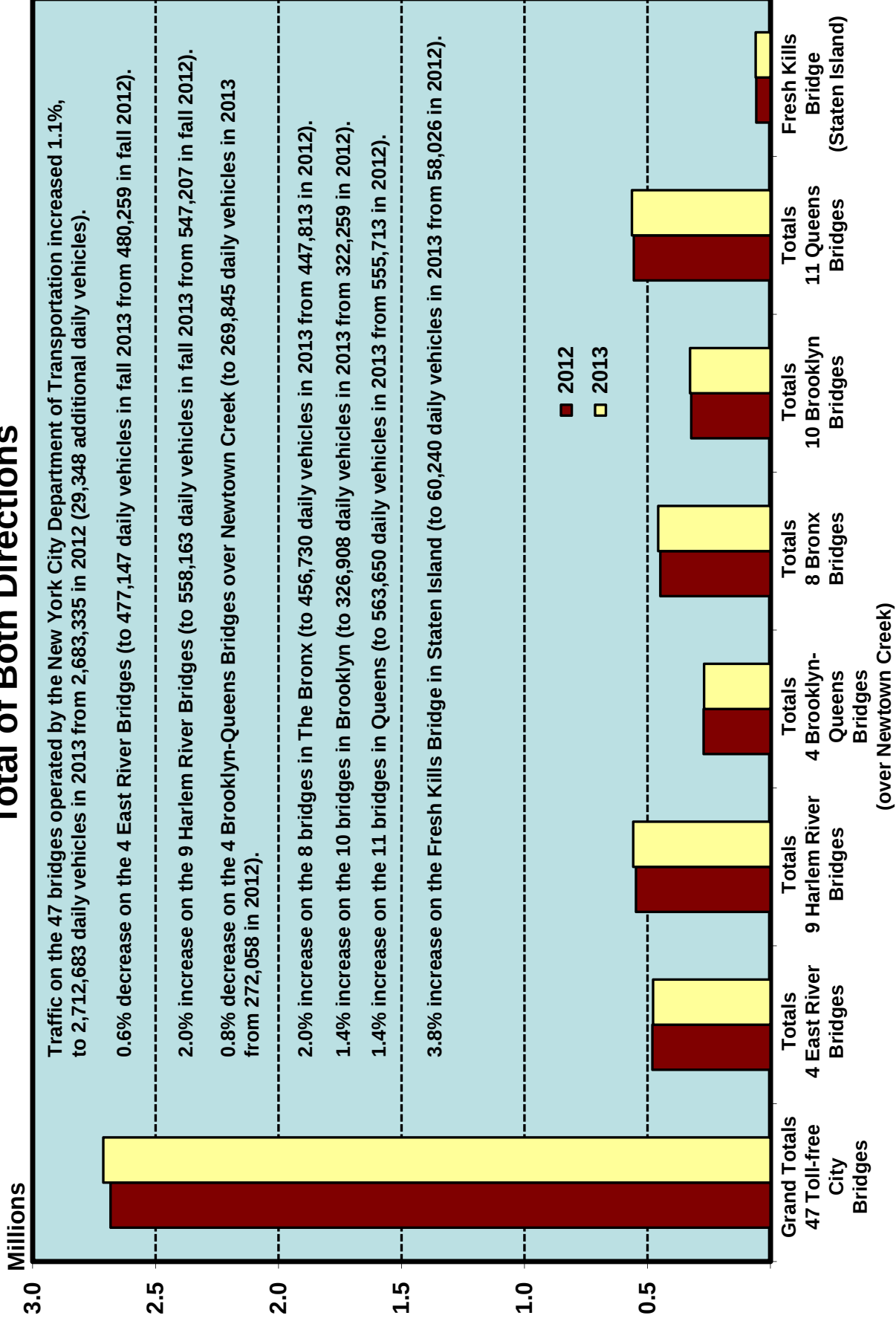
Bayonne Bridge	Principal Arterial	18,755	18,541	- 1.1 %
Goethals Bridge	Interstate	73,135	72,986	- 0.2 %
Outerbridge Crossing	Principal Arterial	71,816	66,740	- 7.1 %
Total, 3 PANYNJ Staten Island - New Jersey Bridges		163,706	158,267	- 3.3 %

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

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

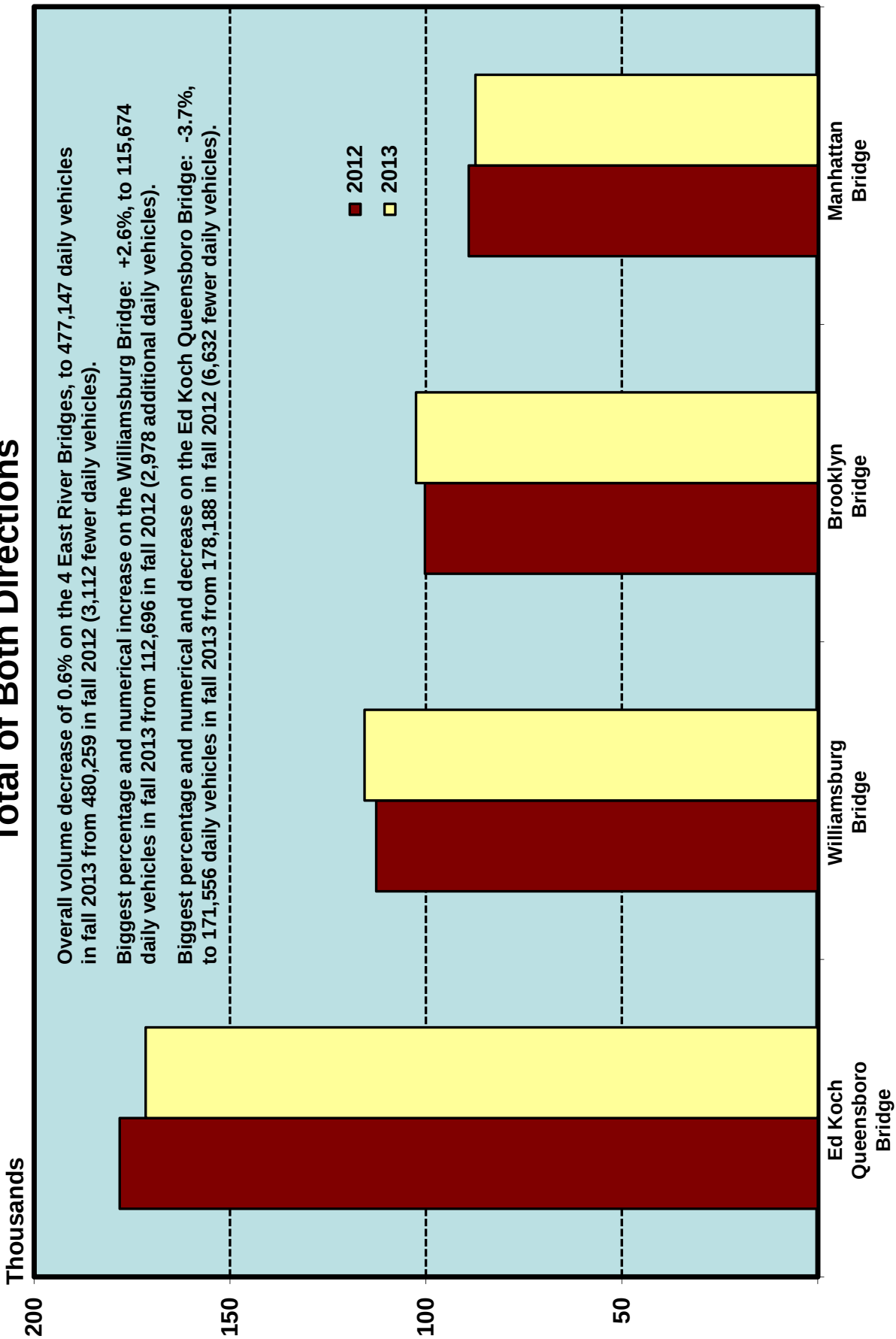
New York City Toll-free Bridges Daily Volumes 2013 vs. 2012

Total of Both Directions



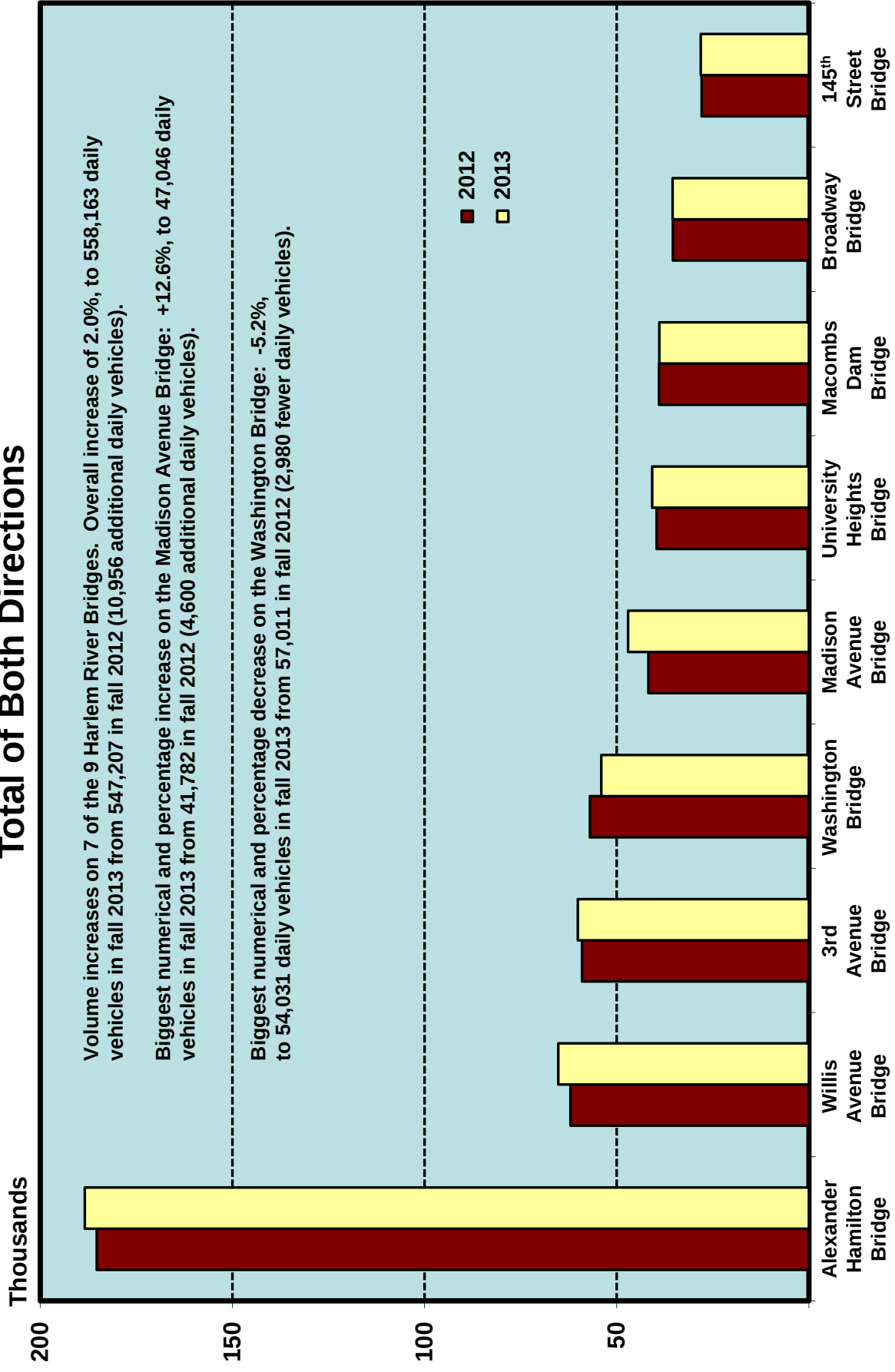
East River Bridges Daily Volumes 2013 vs. 2012

Total of Both Directions

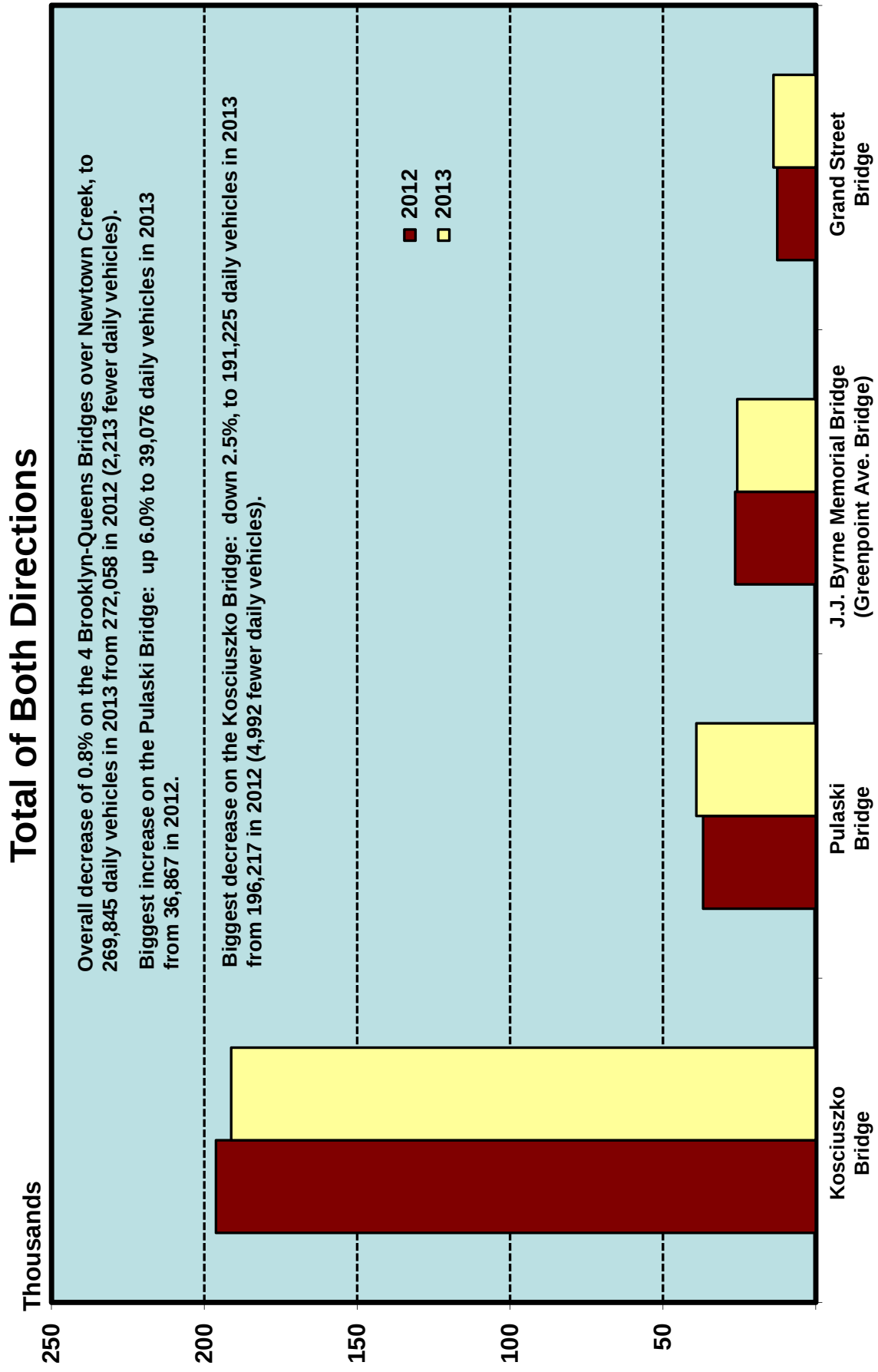


Harlem River Bridges Daily Volumes 2013 vs. 2012

Total of Both Directions

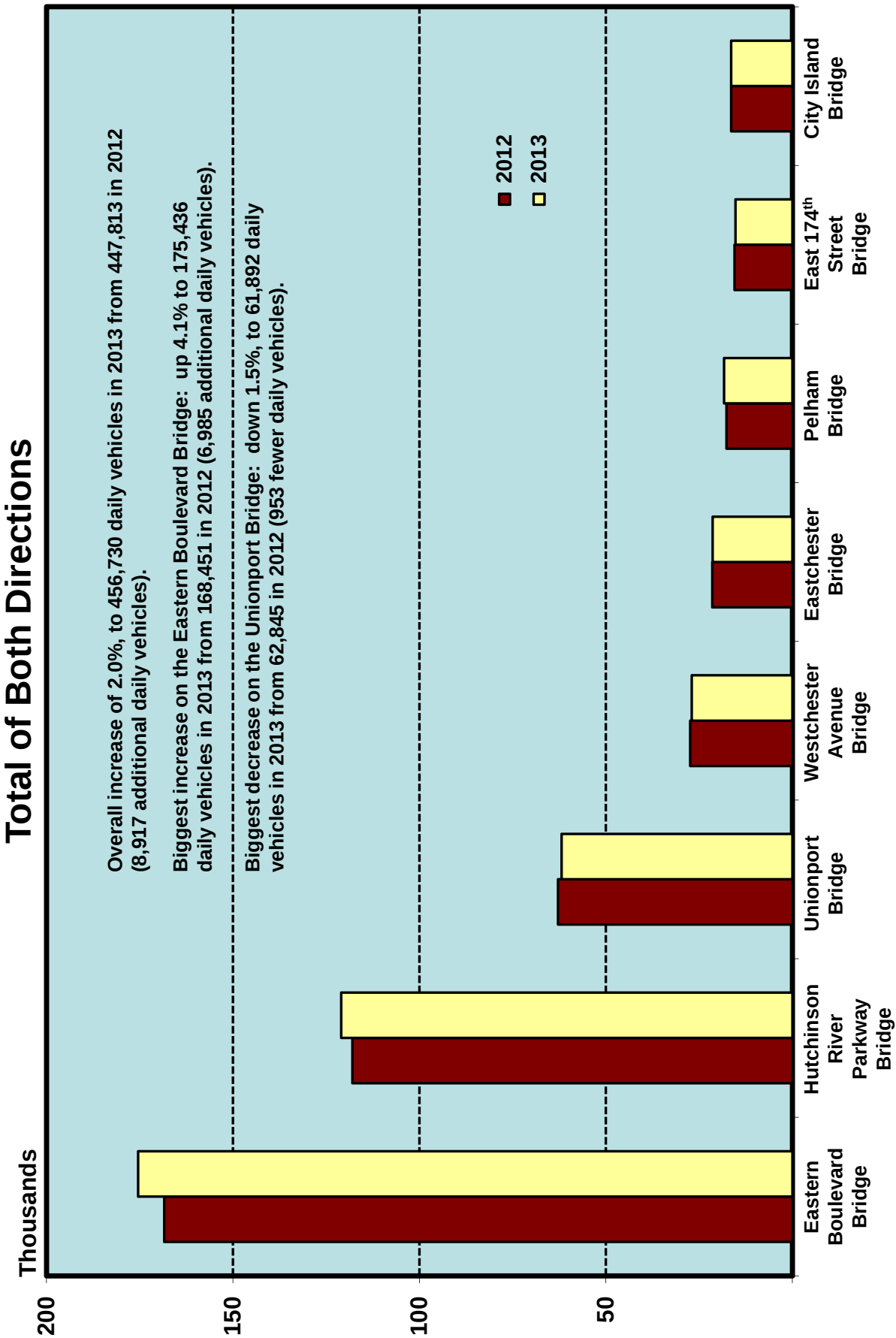


Brooklyn-Queens (Newtown Creek) Bridges Daily Volumes 2013 vs. 2012



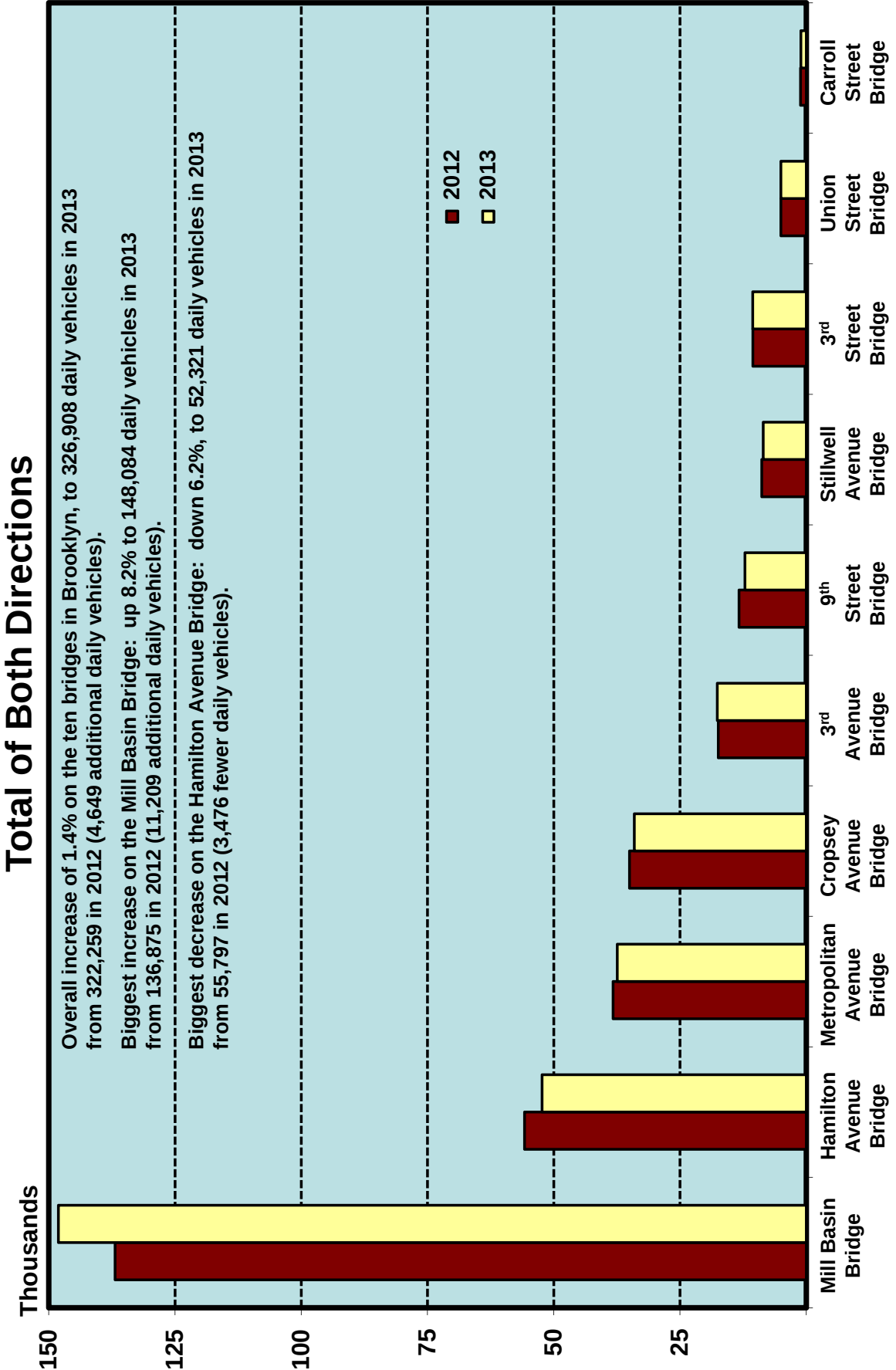
Bronx Bridges Daily Volumes

2013 vs. 2012



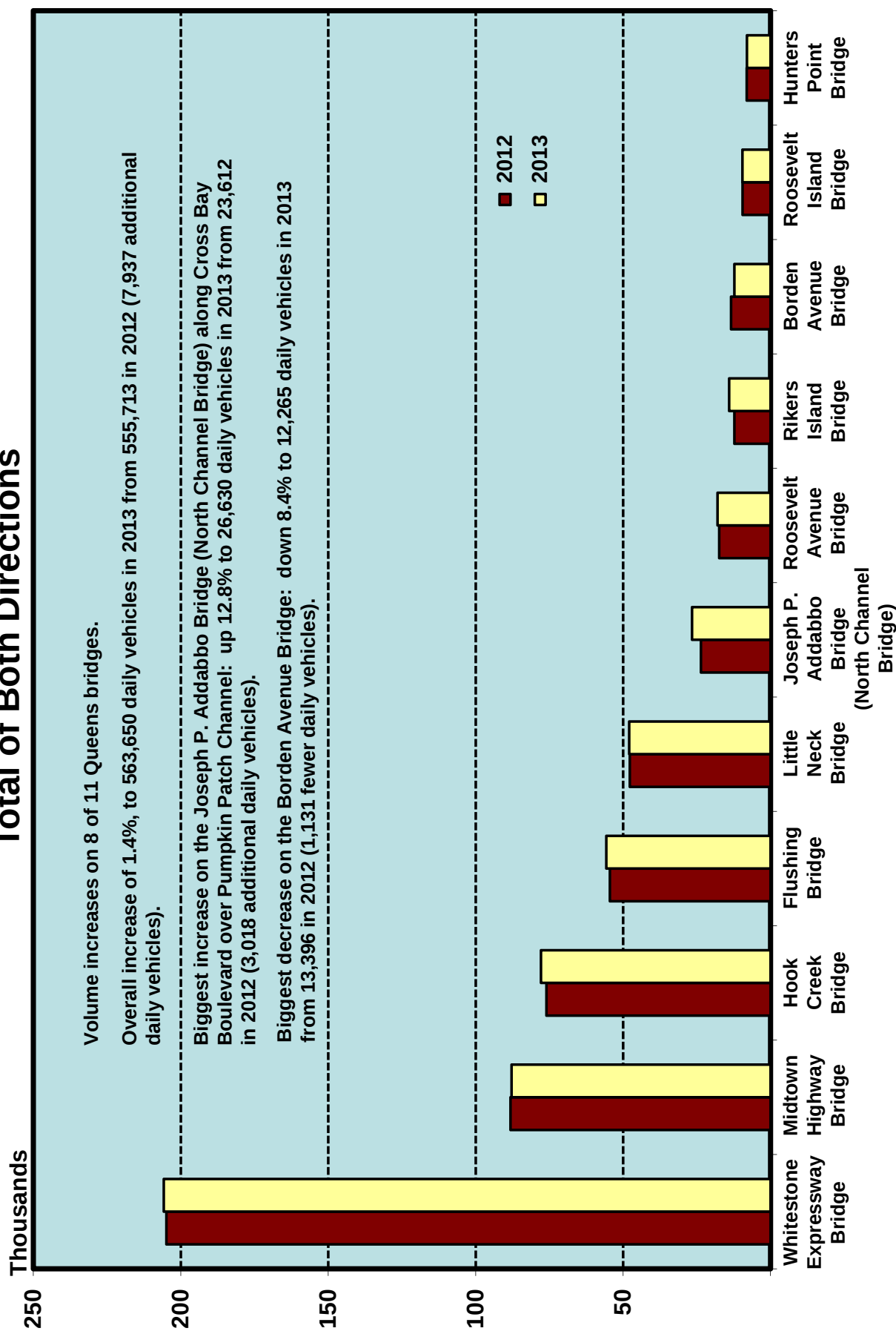
Brooklyn Bridges Daily Volumes

2013 vs. 2012

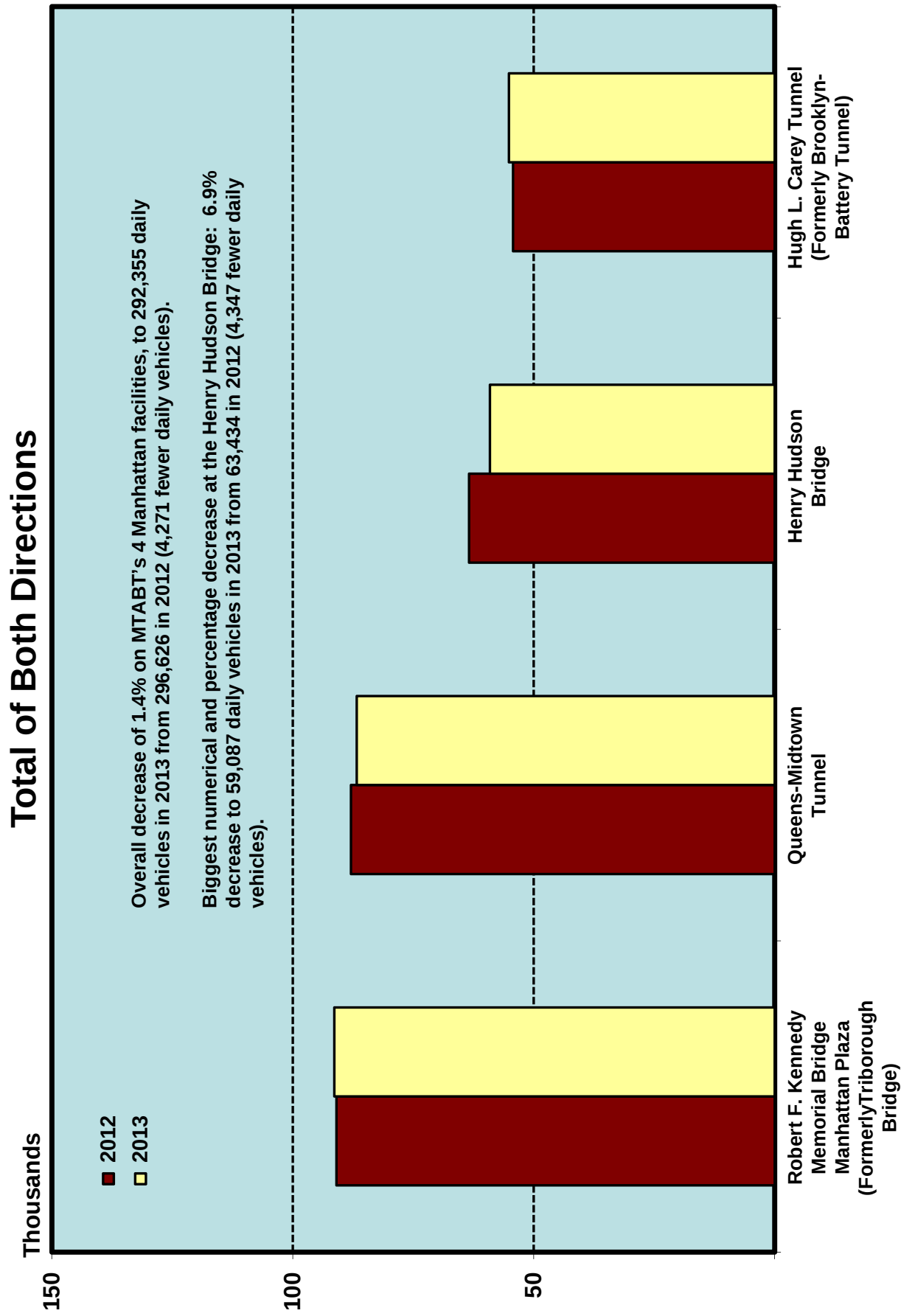


Queens Bridges Daily Volumes 2013 vs. 2012

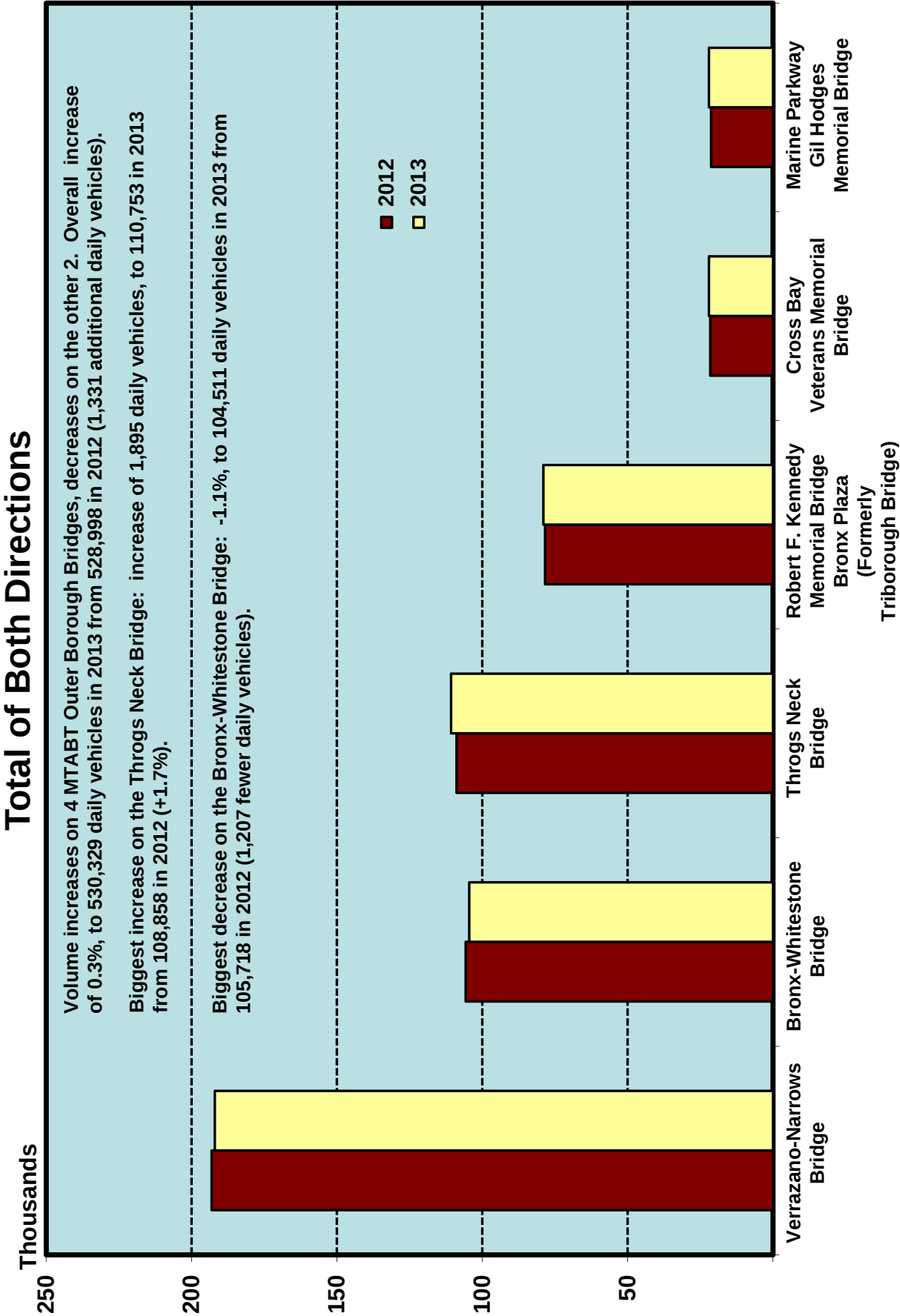
Total of Both Directions



Metropolitan Transportation Authority Bridges & Tunnels (MTABT) Manhattan Facilities Daily Volumes 2013 vs. 2012



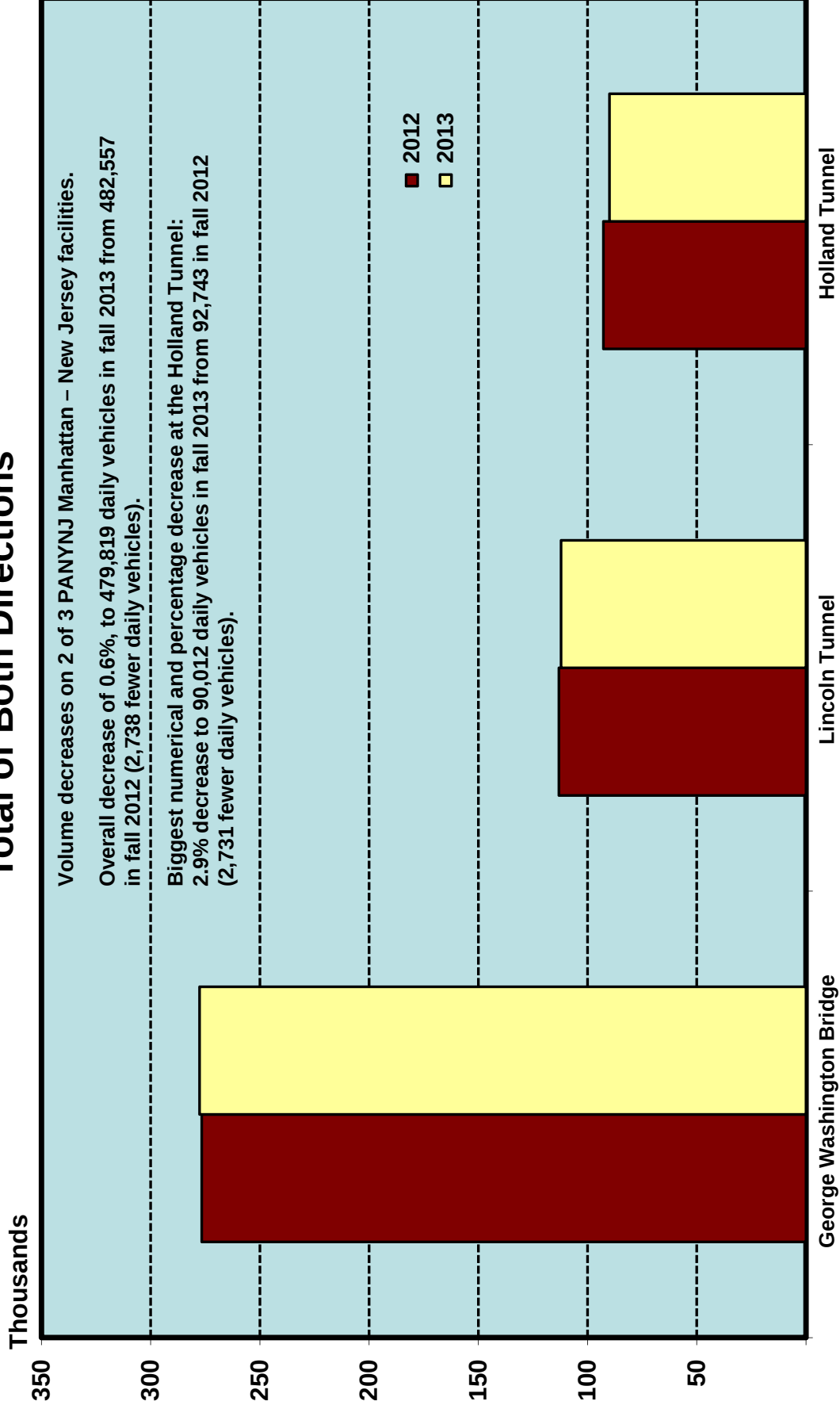
Metropolitan Transportation Authority Bridges & Tunnels (MTABT) Outer Borough Bridges Daily Volumes 2013 vs. 2012



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

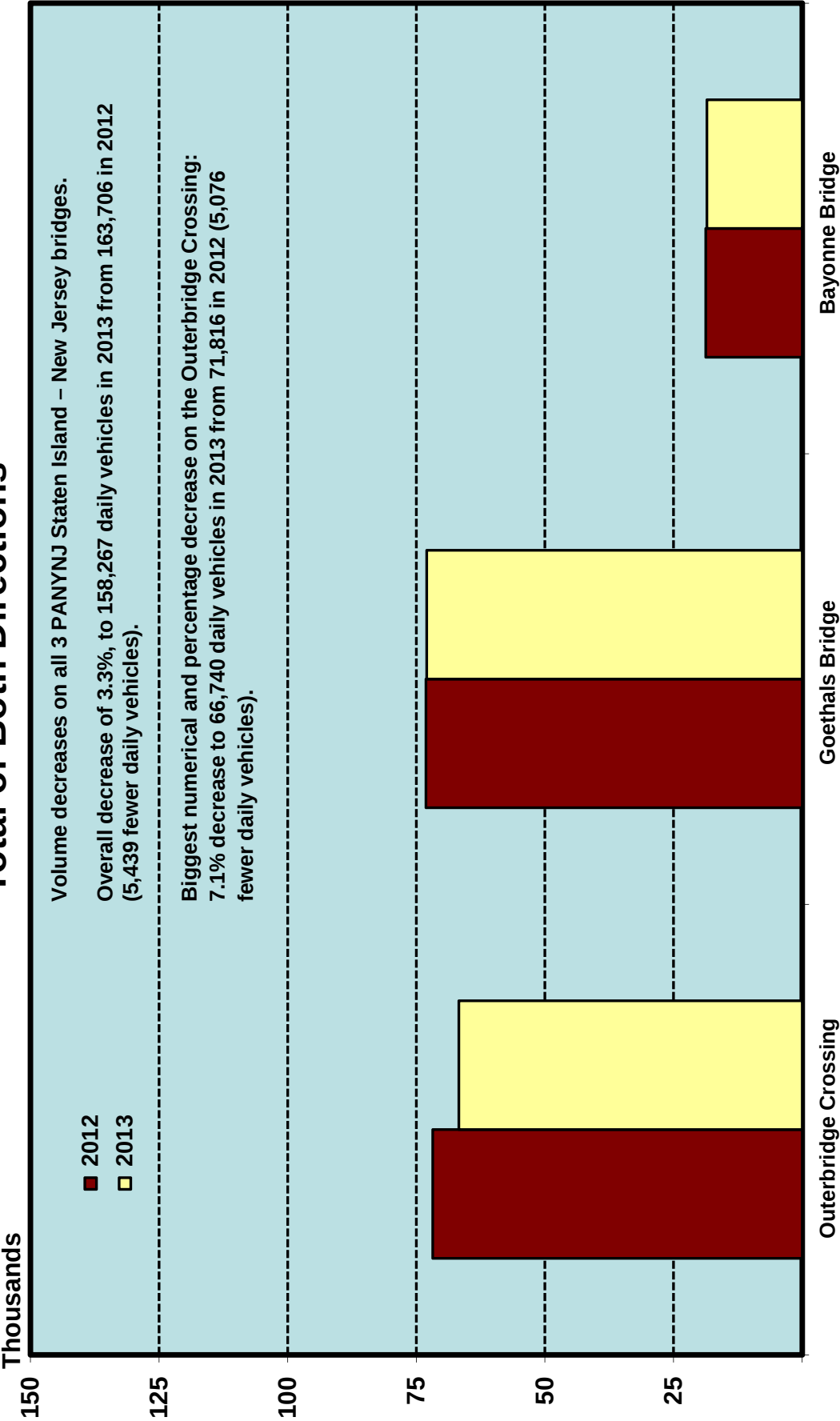
2013 vs. 2012

Total of Both Directions



Port Authority of New York & New Jersey (PANYNJ)
Staten Island – N.J. Bridges Daily Volumes
2013 vs. 2012

Total of Both Directions



Ten-Year Trends 2003 - 2013



Macombs Dam Bridge over the Harlem River

Ten-Year Trends: 2003 - 2013

From 2003 to 2013, total traffic on the 47 City-operated bridges decreased 0.5%, to 2,712,683 daily vehicles in 2013 from 2,726,918 in 2003 (14,235 fewer daily vehicles).

East River Bridges

- Total traffic on the four East River Bridges decreased 3.3%, to 477,147 daily vehicles in 2013 from 493,418 in 2003 (16,271 fewer daily vehicles).
- Biggest percentage and numerical decrease on the Brooklyn Bridge: -23.7%, to 102,542 daily vehicles in fall 2013 from 134,444 in fall 2003 (31,902 fewer daily vehicles). Throughout 2013, the Brooklyn Bridge was closed to Manhattan-bound traffic during night hours for reconstruction.
- Biggest percentage increase on the Manhattan Bridge: +18.4%, to 87,375 daily vehicles in fall 2013 from 73,767 in fall 2003 (13,608 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 2013.
- Biggest numerical increase on the Williamsburg Bridge: increase of 15,431 daily vehicles, to 115,674 in fall 2013 from 100,243 in fall 2003 (+15.4%). In 2003, two of the eight traffic lanes on the bridge were closed round-the-clock for reconstruction.

Harlem River Bridges

- Total traffic on the nine Harlem River Bridges increased 1.6%, to 558,163 daily vehicles in fall 2013 from 549,510 in fall 2003 (8,653 additional daily vehicles).
- Biggest percentage and numerical increase on the 3rd Avenue Bridge: +39.6%, to 60,120 daily vehicles in fall 2013 from 43,065 in fall 2003 (17,055 additional daily vehicles). Capacity had been reduced throughout 2003 as two of the four lanes were closed round-the-clock for reconstruction.
- Biggest percentage and numerical decrease on the University Heights Bridge: -18.7%, to 40,774 daily vehicles in fall 2013 from 50,126 in fall 2003 (9,352 fewer daily vehicles). Traffic volume was unusually high on this bridge in 2003, the highest ever recorded.

Brooklyn-Queens Bridges

- Total traffic on the four bridges over Newtown Creek between Brooklyn and Queens decreased 2.1%, to 269,845 daily vehicles in 2013 from 275,737 in 2003 (5,892 fewer daily vehicles).
- Traffic volume decreased on three of these four bridges.
- Biggest percentage decrease on the J.J. Byrne Memorial Bridge (Greenpoint Avenue Bridge): -10.6% to 25,701 daily vehicles in 2013 from 28,755 in 2003 (3,054 fewer daily vehicles).
- Biggest numerical decrease on the Kosciuszko Bridge: Decrease of 3,272 daily vehicles, to 191,225 in 2013 from 194,497 in 2003 (-1.7%).
- Only increase on the Pulaski Bridge: +1.9% to 39,076 daily vehicles in 2013 from 38,346 in 2003 (730 additional daily vehicles).

Bronx Bridges

- Total traffic on the eight bridges in The Bronx increased 1.9%, to 456,730 daily vehicles in 2013 from 448,186 in 2003 (8,544 additional daily vehicles).
- Volumes Increased on six of the eight bridges in The Bronx.

- Biggest increase on the Eastern Boulevard Bridge: Increase of 4,701 daily vehicles, to 175,436 in 2013 from 170,735 in 2003 (+2.8%).
- Biggest decrease on the Eastchester Bridge: -11.6%, to 21,393 daily vehicles in 2013 from 24,193 in 2003 (2,800 fewer daily vehicles).

Brooklyn Bridges

- Total traffic on the ten bridges in Brooklyn decreased 1.5%, to 326,908 daily vehicles in 2013 from 331,805 in 2003 (4,897 fewer daily vehicles).
- Biggest decrease on the Hamilton Avenue Bridge: -11.5%, to 52,321 daily vehicles in 2013 from 59,108 in 2003 (6,787 fewer daily vehicles).
- Biggest increase on the Mill Basin Bridge along Belt Parkway: increase of 6,872 daily vehicles, to 148,084 in 2013 from 141,212 in 2003 (+4.9%).

Queens Bridges

- Total traffic on the eleven bridges in Queens increased 0.3%, to 563,650 daily vehicles in 2013 from 562,107 in 2003 (1,543 additional daily vehicles).
- Volumes increased on six of the eleven Queens bridges, and decreased on the other five.
- Biggest numerical increase on the Whitestone Expressway Bridge: increase of 17,020 daily vehicles, to 205,790 in 2013 from 188,770 in 2003 (+9.0%).
- Biggest percentage increase on the Joseph P. Addabbo Bridge (North Channel Bridge): +11.2%, to 26,630 daily vehicles in 2013 from 23,958 in 2003 (2,672 additional vehicles).
- Biggest numerical decrease on the Little Neck Bridge: decrease of 12,088 daily vehicles, to 47,945 in 2013 from 60,033 in 2003 (-20.1%).
- Biggest percentage decrease on the Borden Avenue Bridge: -23.5%, to 12,265 daily vehicles in 2013 from 16,035 in 2003 (3,770 fewer daily vehicles).

Staten Island

- Total traffic on the Fresh Kills Bridge decreased 8.9%, to 60,240 daily vehicles in 2013 from 66,155 in 2003 (5,915 fewer daily vehicles).

10-Year Traffic Volume Trends ~ 2003-2013
N.Y.C. Bridges and Tunnels
Both Directions
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EAST RIVER BRIDGES	Highway Functional Classification	2003	2013	Percent Change
Brooklyn Bridge	Principal Arterial	134,444	102,542	- 23.7 %
Ed Koch Queensboro Bridge *	Principal Arterial	184,964	171,556	- 7.2 %
Manhattan Bridge	Principal Arterial	73,767	87,375	18.4 %
Williamsburg Bridge	Principal Arterial	100,243	115,674	15.4 %
Total, 4 East River Bridges		493,418	477,147	- 3.3 %

HARLEM RIVER BRIDGES

Alexander Hamilton Bridge	Interstate	182,704	188,417	3.1 %
Broadway Bridge	Principal Arterial	36,888	35,462	- 3.9 %
Macombs Dam Bridge	Principal Arterial	42,254	38,930	- 7.9 %
Madison Avenue Bridge	Principal Arterial	41,575	47,046	13.2 %
Third Avenue Bridge	Principal Arterial	43,065	60,120	39.6 %
University Heights Bridge	Principal Arterial	50,126	40,774	- 18.7 %
Washington Bridge	Minor Arterial	63,154	54,031	- 14.4 %
Willis Avenue Bridge	Principal Arterial	66,710	65,216	- 2.2 %
145th Street Bridge	Minor Arterial	23,034	28,167	22.3 %
Total, 9 Harlem River Bridges		549,510	558,163	1.6 %

BROOKLYN-QUEENS BRIDGES

Grand Street Bridge	Principal Arterial	14,139	13,843	- 2.1 %
J.J. Byrne Memorial Bridge **	Principal Arterial	28,755	25,701	- 10.6 %
Kosciuszko Bridge	Interstate	194,497	191,225	- 1.7 %
Pulaski Bridge	Principal Arterial	38,346	39,076	1.9 %
Total, 4 Brooklyn-Queens Bridges (Over Newtown Creek)		275,737	269,845	- 2.1 %

BRONX BRIDGES

City Island Bridge	Minor Arterial	14,617	16,431	12.4 %
East 174th Street Bridge	Minor Arterial	14,229	15,273	7.3 %
Eastchester Bridge	Principal Arterial	24,193	21,393	- 11.6 %
Eastern Boulevard Bridge	Interstate	170,735	175,436	2.8 %
Hutchinson River Parkway Bridge	Principal Arterial	117,195	120,999	3.2 %
Pelham Bridge	Minor Arterial	18,023	18,330	1.7 %
Unionport Bridge	Principal Arterial	60,993	61,892	1.5 %
Westchester Avenue Bridge	Principal Arterial	28,201	26,976	- 4.3 %
Total, 8 Bronx Bridges		448,186	456,730	1.9 %

* Queensboro Bridge renamed April 11, 2011.

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

10-Year Traffic Volume Trends ~ 2003-2013
N.Y.C. Bridges and Tunnels
Both Directions
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BROOKLYN BRIDGES	Highway Functional Classification	2003	2013	Percent Change
Carroll Street Bridge	Local	1,150	1,072	- 6.8 %
Crosey Avenue Bridge	Principal Arterial	35,137	34,062	- 3.1 %
Hamilton Avenue Bridge	Principal Arterial	59,108	52,321	- 11.5 %
Metropolitan Avenue Bridge	Principal Arterial	40,284	37,437	- 7.1 %
Mill Basin Bridge	Principal Arterial	141,212	148,084	4.9 %
Ninth Street Bridge	Minor Arterial	9,406	12,136	29.0 %
Stillwell Avenue Bridge	Principal Arterial	10,138	8,519	- 16.0 %
Third Avenue Bridge	Principal Arterial	20,517	17,630	- 14.1 %
Third Street Bridge	Minor Arterial	10,010	10,611	6.0 %
Union Street Bridge	Minor Arterial	4,843	5,036	4.0 %
Total, 10 Brooklyn Bridges		331,805	326,908	- 1.5 %

QUEENS BRIDGES				
Borden Avenue Bridge	Minor Arterial	16,035	12,265	- 23.5 %
Flushing Bridge	Principal Arterial	62,644	55,690	- 11.1 %
Hook Creek Bridge	Principal Arterial	72,562	77,868	7.3 %
Hunters Point Bridge	Collector	7,412	8,026	8.3 %
Joseph P. Addabbo Bridge *	Principal Arterial	23,958	26,630	11.2 %
Little Neck Bridge	Principal Arterial	60,033	47,945	- 20.1 %
Midtown Highway Bridge	Interstate	84,243	87,827	4.3 %
Rikers Island Bridge	Collector	16,966	14,065	- 17.1 %
Roosevelt Avenue Bridge	Principal Arterial	20,281	17,994	- 11.3 %
Roosevelt Island Bridge	Collector	9,203	9,550	3.8 %
Whitestone Expwy Bridge	Interstate	188,770	205,790	9.0 %
Total, 11 Queens Bridges		562,107	563,650	0.3 %

STATEN ISLAND				
Fresh Kills Bridge	Principal Arterial	66,155	60,240	- 8.9 %

TOLL-FREE GRAND TOTALS		2,726,918	2,712,683	- 0.5 %
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* Also known as North Channel Bridge.

10-Year Traffic Volume Trends ~ 2003-2013
N.Y.C. Bridges and Tunnels
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MTABT Manhattan Facilities	Highway Functional Classification	2003	2013	Percent Change
Henry Hudson Bridge	Principal Arterial	72,209	59,087	- 18.2 %
Hugh L. Carey Tunnel *	Interstate	56,271	55,145	- 2.0 %
Queens-Midtown Tunnel	Interstate	85,377	86,737	1.6 %
R.F.K. Memorial Bridge Manhattan Plaza **	Principal Arterial	93,177	91,386	- 1.9 %
Total, 4 MTABT Manhattan Crossings		307,034	292,355	- 4.8 %

PANYNJ Manhattan Facilities

George Washington Bridge	Interstate	319,029	277,645	- 13.0 %
Holland Tunnel	Interstate	101,097	90,012	- 11.0 %
Lincoln Tunnel	Principal Arterial	127,323	112,162	- 11.9 %
Total, 3 PANYNJ Manhattan - New Jersey Crossings		547,449	479,819	- 12.4 %

MTABT Outer Borough Bridges

Bronx-Whitestone Bridge	Interstate	113,441	104,511	- 7.9 %
Cross Bay Veterans Memorial Bridge	Minor Arterial	20,233	22,016	8.8 %
Marine Parkway Gil Hodges Memorial Bridge	Minor Arterial	21,745	22,010	1.2 %
R.F.K. Memorial Bridge Bronx Plaza **	Interstate	74,113	79,006	6.6 %
Throgs Neck Bridge	Interstate	111,092	110,753	- 0.3 %
Verrazano-Narrows Bridge	Interstate	206,444	192,033	- 7.0 %
Total, 6 MTABT Outer Borough Bridges		547,068	530,329	- 3.1 %

PANYNJ Staten Island Bridges

Bayonne Bridge	Principal Arterial	20,208	18,541	- 8.2 %
Goethals Bridge	Interstate	75,724	72,986	- 3.6 %
Outerbridge Crossing	Principal Arterial	78,650	66,740	- 15.1 %
Total, 3 PANYNJ Staten Island - New Jersey Bridges		174,582	158,267	- 9.3 %

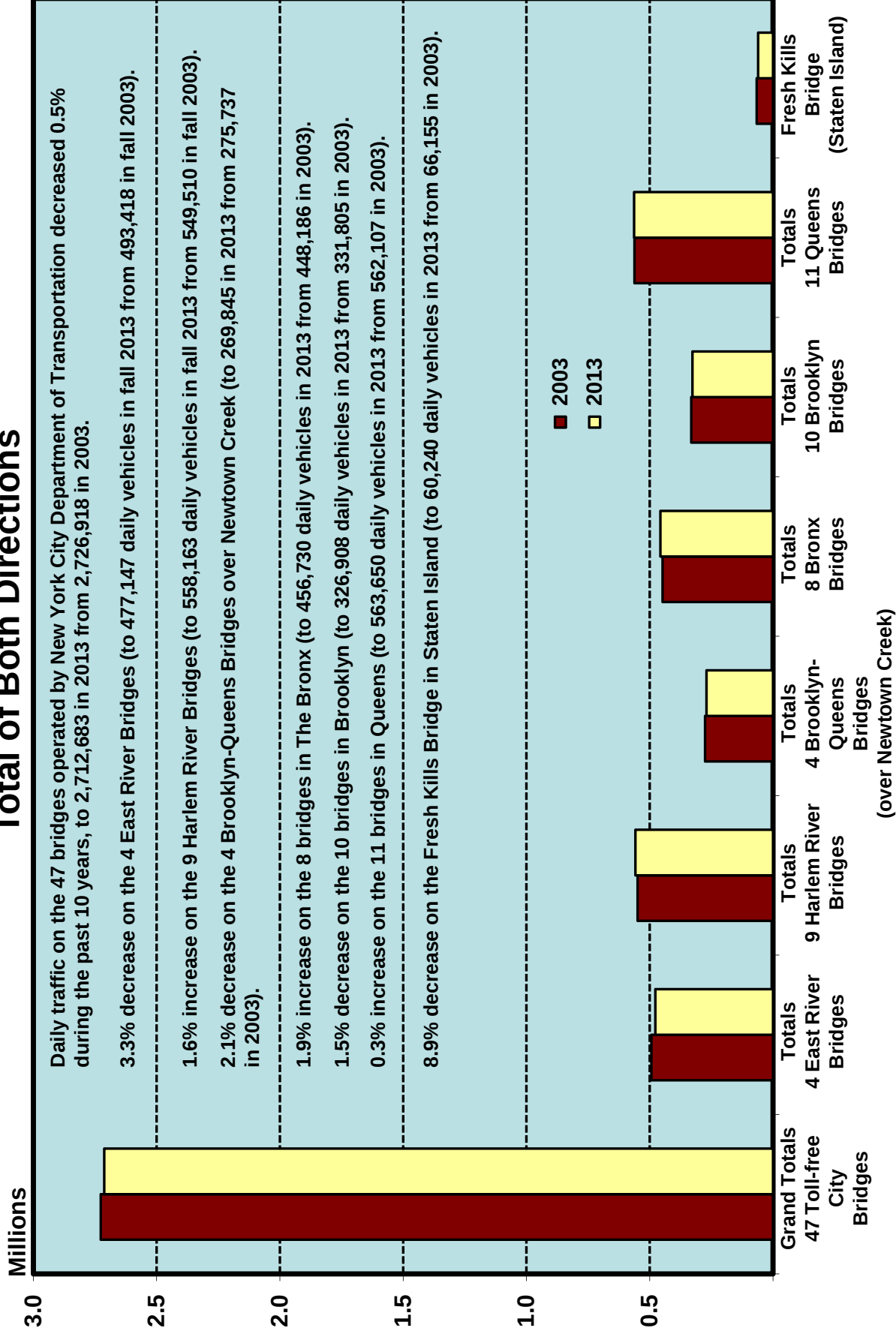
* Formerly Brooklyn-Battery Tunnel, renamed October 22, 2012.

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

10-Year Volume Changes ~ 2003 – 2013

New York City Toll-free Bridges Daily Volumes

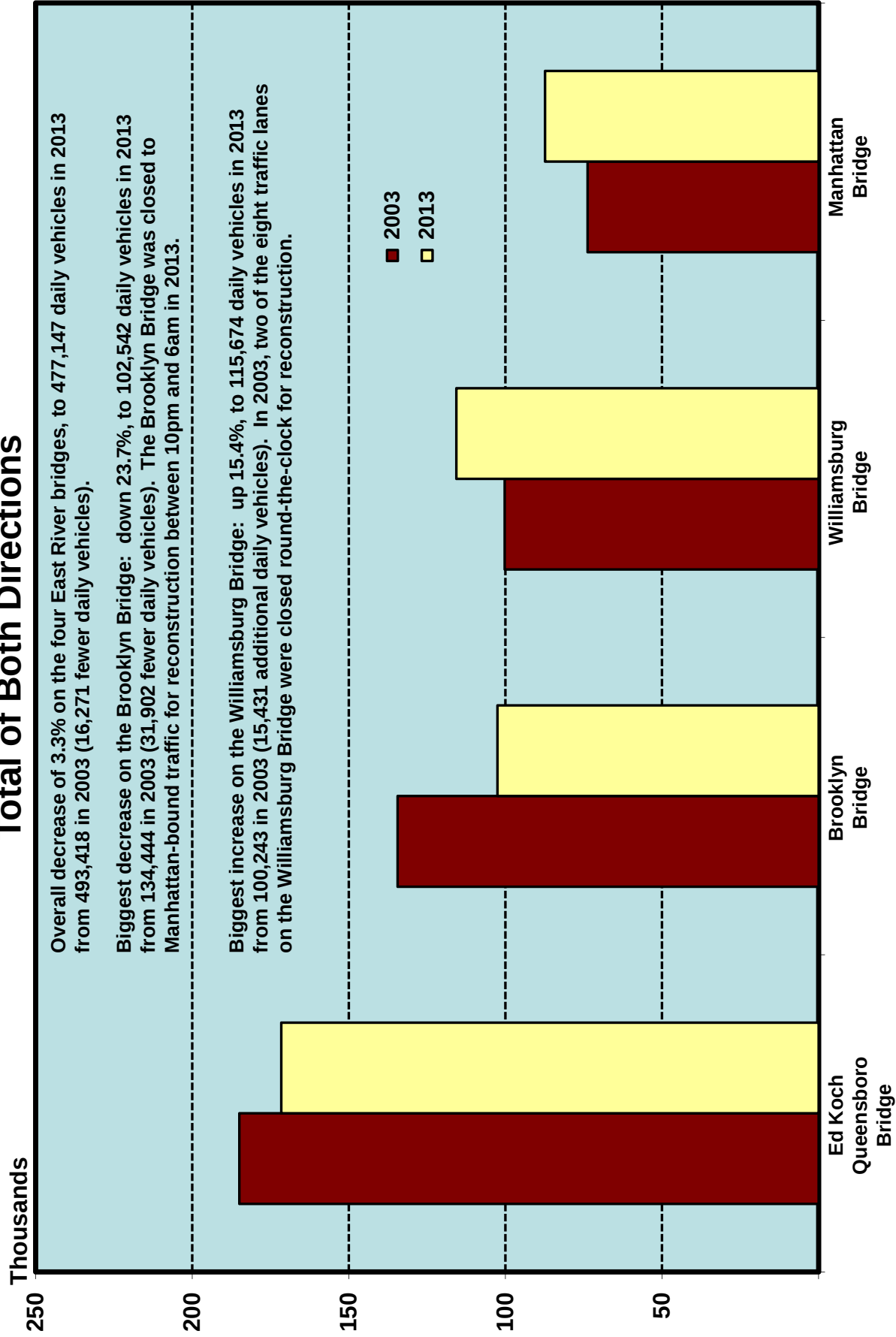
Total of Both Directions



10-Year Volume Changes ~ 2003 – 2013

East River Bridges Daily Volumes

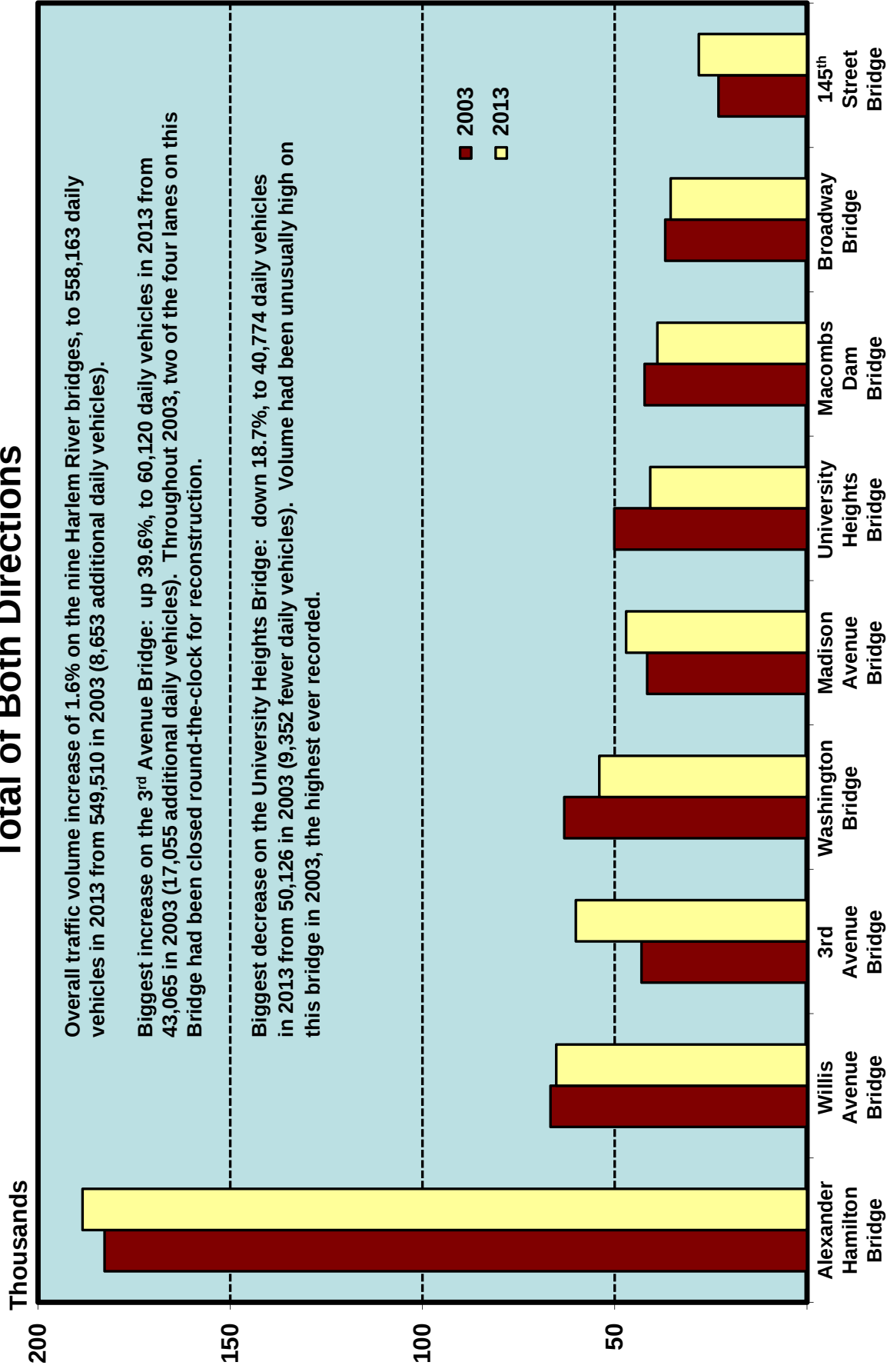
Total of Both Directions



10-Year Volume Changes ~ 2003 – 2013

Harlem River Bridges Daily Volumes

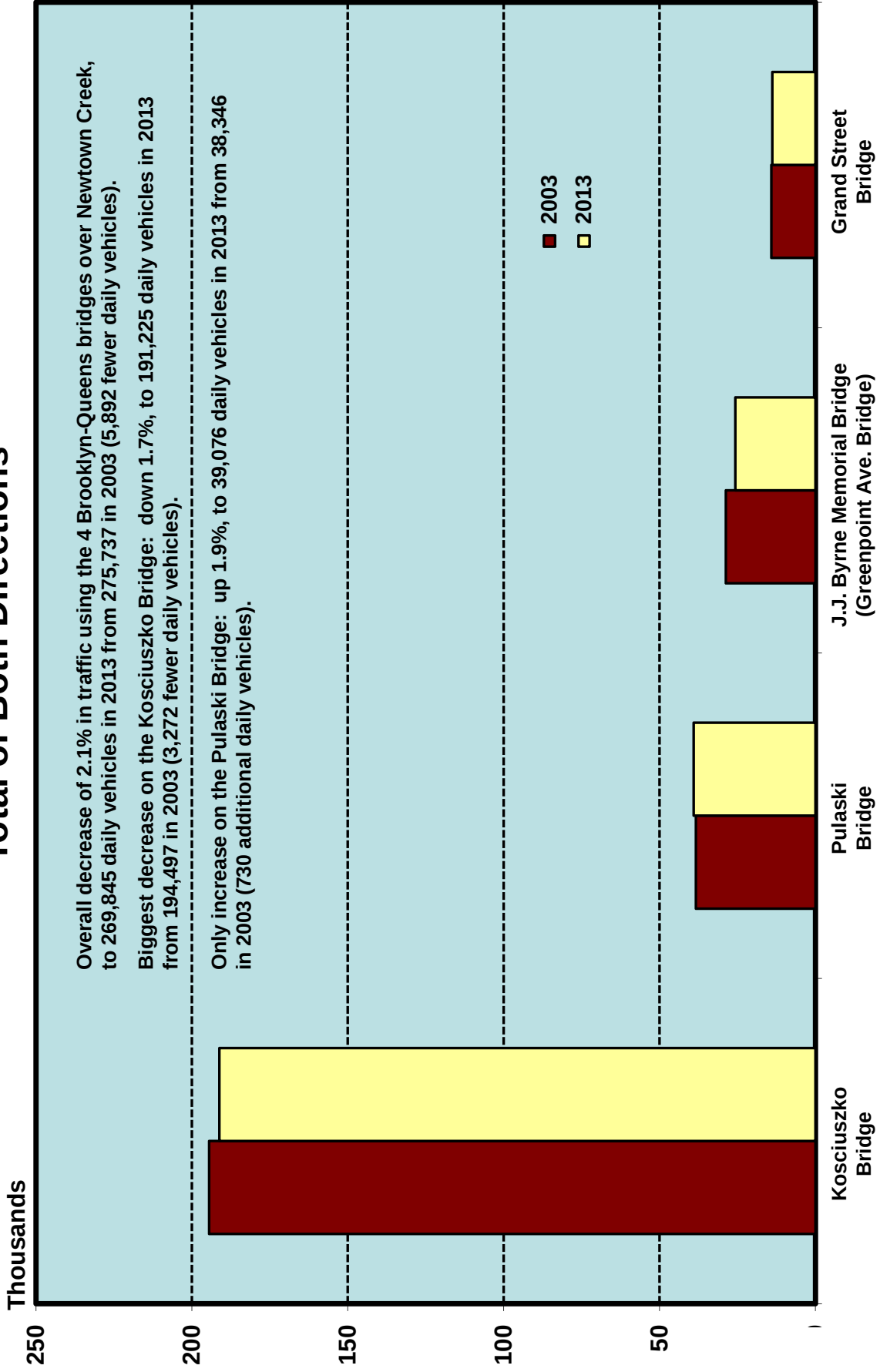
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10-Year Volume Changes ~ 2003 – 2013

Brooklyn-Queens (Newtown Creek) Bridges Daily Volumes

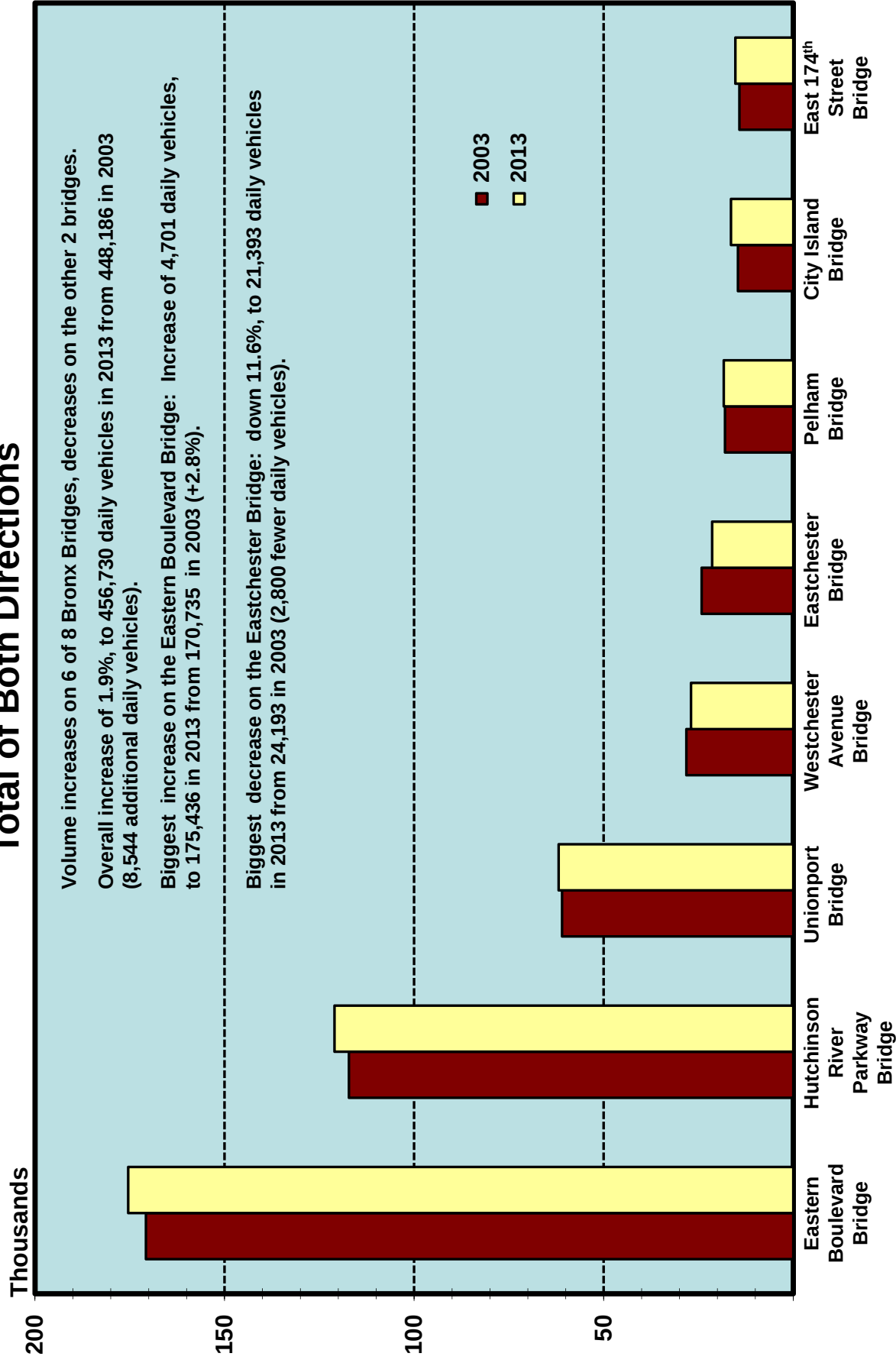
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10-Year Volume Changes ~ 2003 – 2013

Bronx Bridges Daily Volumes

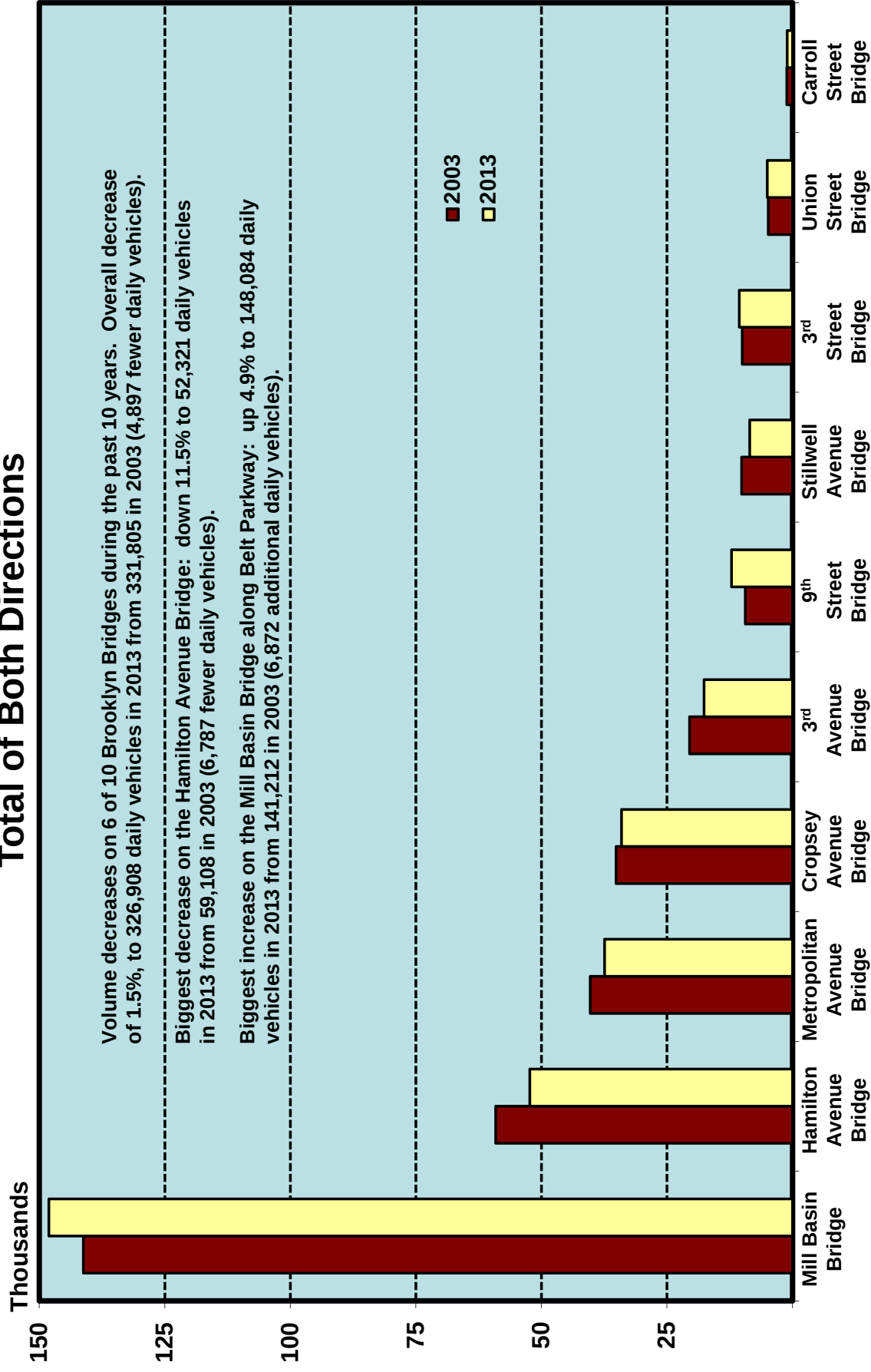
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10-Year Volume Changes ~ 2003 – 2013

Brooklyn Bridges Daily Volumes

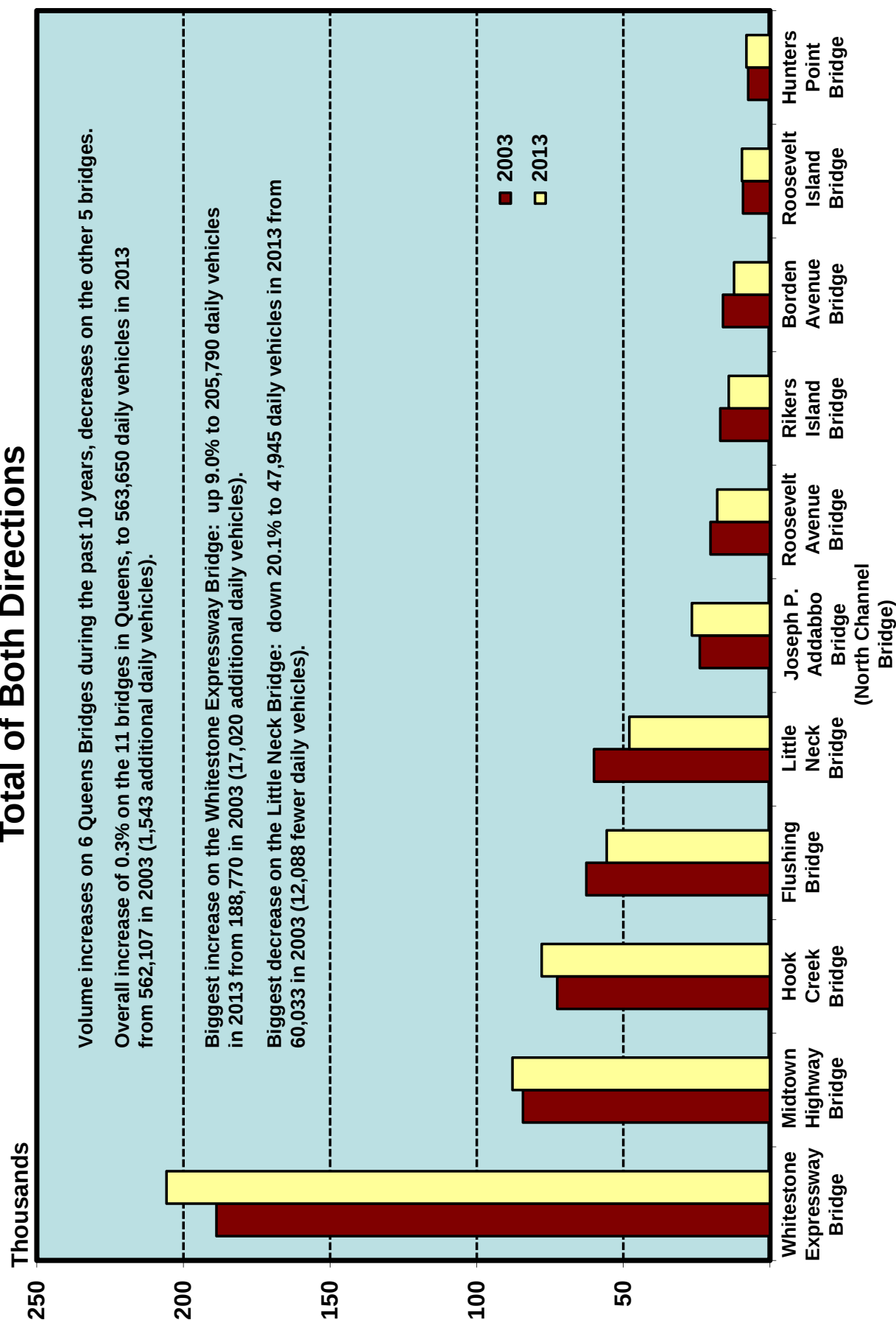
Total of Both Directions



10-Year Volume Changes ~ 2003 – 2013

Queens Bridges Daily Volumes

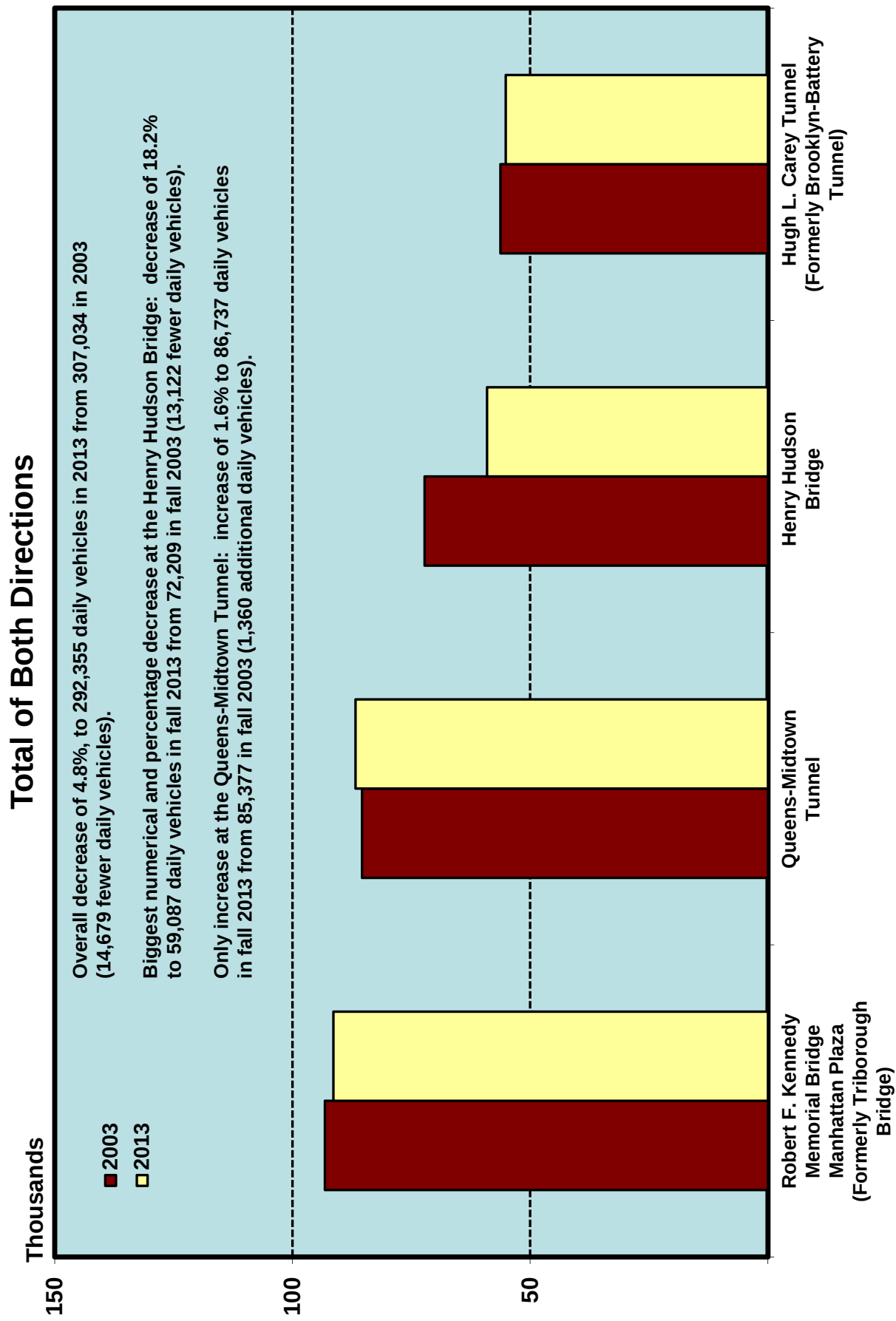
Total of Both Directions



10-Year Volume Changes ~ 2003 – 2013

Metropolitan Transportation Authority Bridges & Tunnels (MTABT)

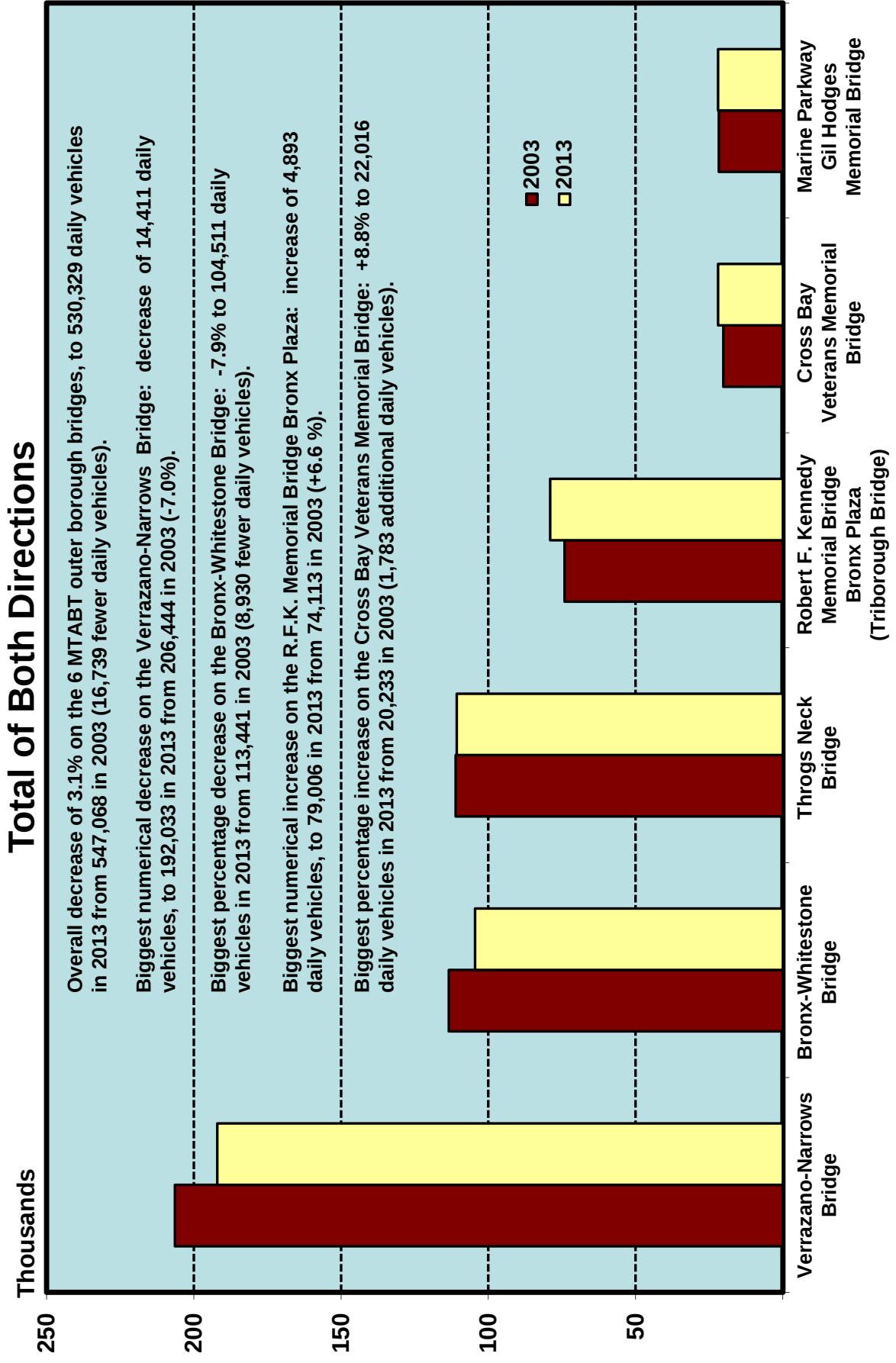
Manhattan Facilities Daily Volumes



10-Year Volume Changes ~ 2003 – 2013

Metropolitan Transportation Authority Bridges & Tunnels (MTABT)

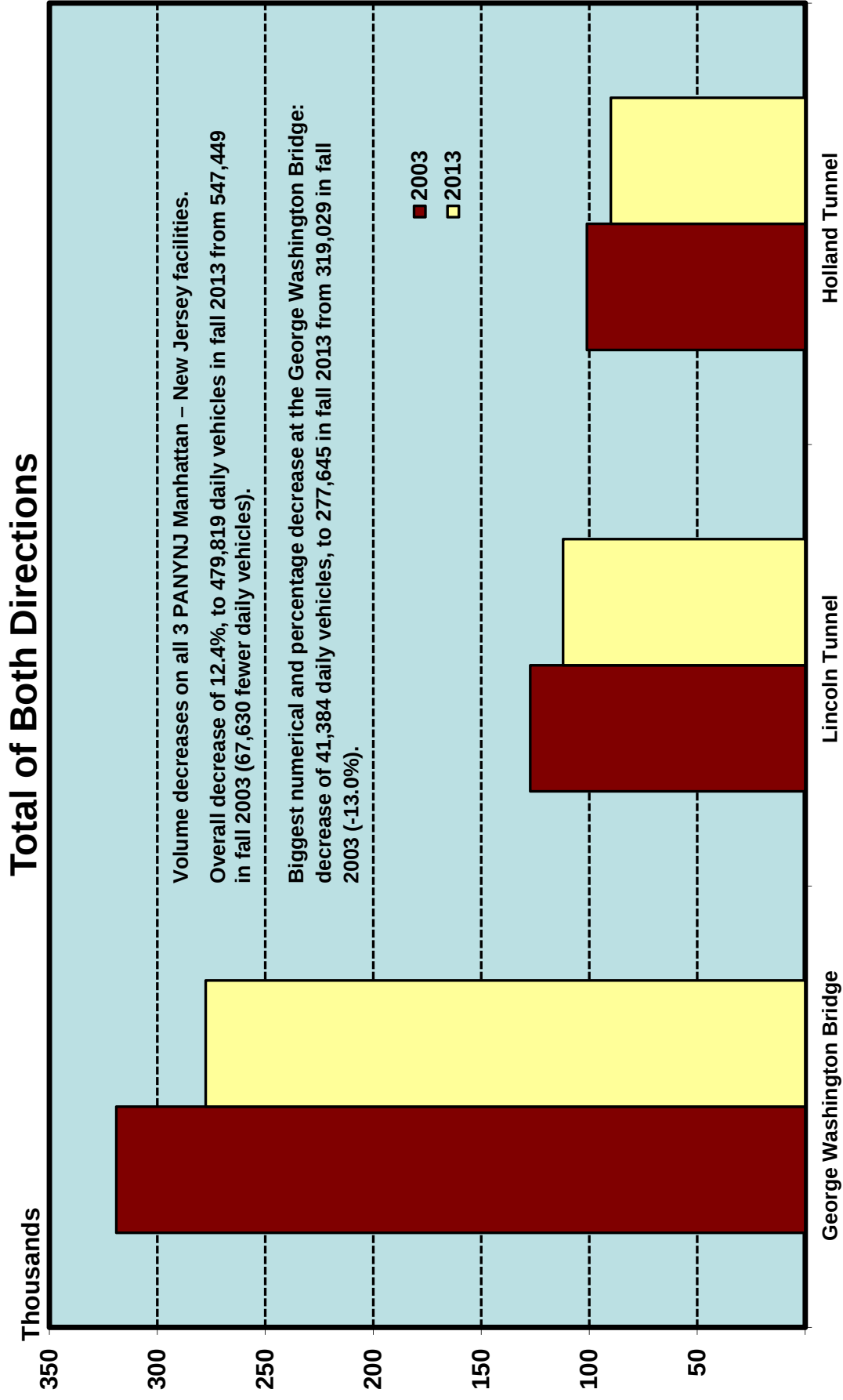
Outer Borough Bridges Daily Volumes



10-Year Volume Changes ~ 2003 – 2013

Port Authority of New York & New Jersey (PANYNJ)

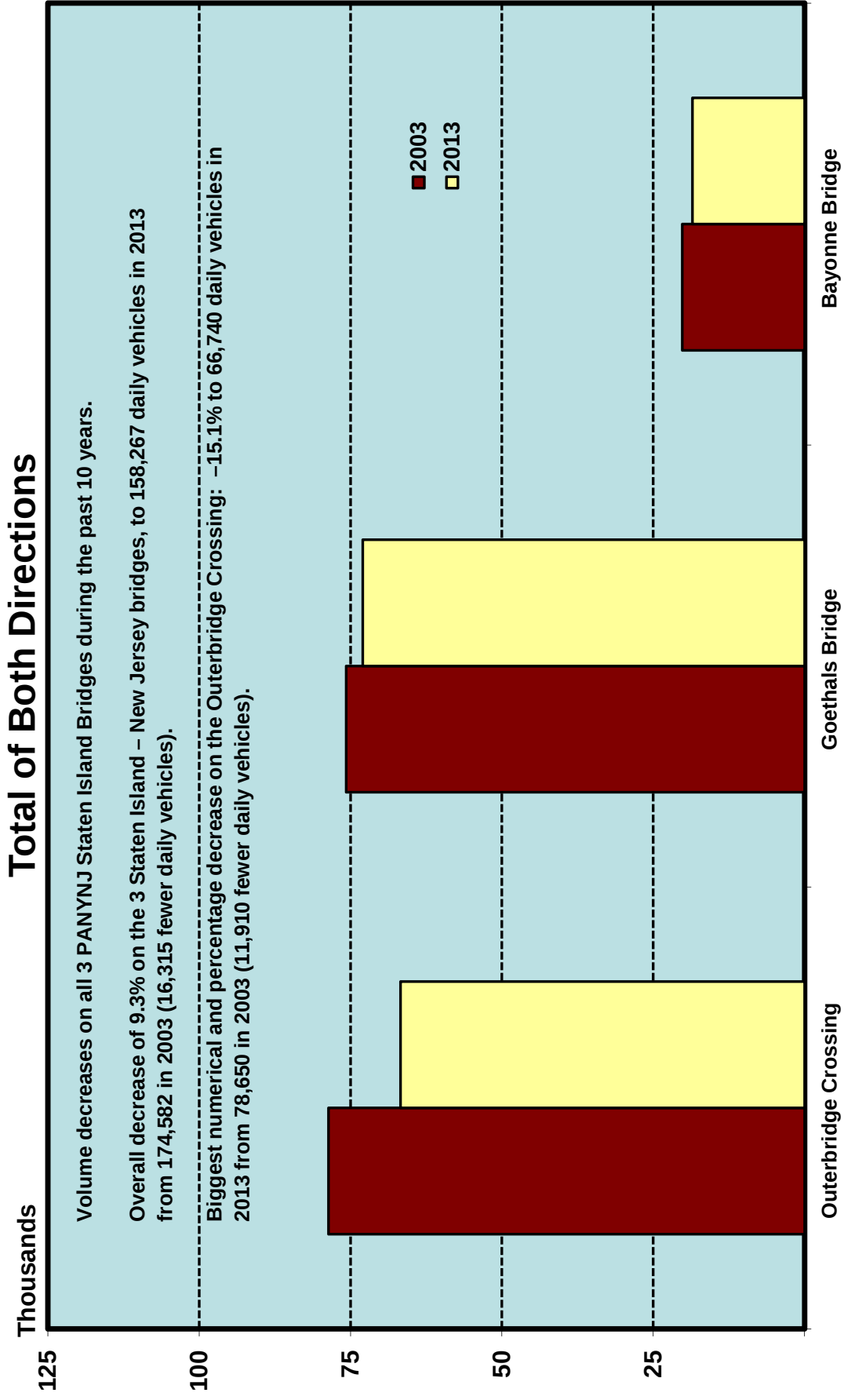
Manhattan – N.J. Facilities Daily Volumes



10-Year Volume Changes ~ 2003 – 2013

Port Authority of New York & New Jersey (PANYNJ)

Staten Island – N.J. Bridges Daily Volumes



Historic Trends



George Washington Bridge

Historic Trends

In 1948, traffic on the City-operated bridges was 923,996 daily trips. By 1968, that figure had more than doubled, to 1,911,838. In 2013, it stood at 2,712,683 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 746,286 more daily vehicles crossing the 47 City-operated bridges in 2013 than in 1979.

1948 - 1963

- Between 1948 and 1963, bridge traffic increased 73.4% on the 44 City-operated bridges open during that period, to 1,602,640 daily vehicles in 1963 from 923,996 in 1948 (678,644 additional daily vehicles).
- Large increases in daily traffic occurred at the following bridges:
 - Brooklyn Bridge over the East River between Manhattan and Brooklyn: up 112.8% to 78,770 daily vehicles in 1963 from 37,011 in 1948 (+41,759 daily vehicles).
 - Williamsburg Bridge over the East River between Manhattan and Brooklyn: up 70.2% to 80,250 from 47,139 (+33,111 daily vehicles).
 - Ed Koch Queensboro Bridge over the East River between Manhattan and Queens: up 39.8% to 116,350 from 83,201 (+33,149 daily vehicles).
 - 3rd Avenue Bridge over the Harlem River between Manhattan and The Bronx: up 103.3% to 63,840 from 31,403 (+32,437 daily vehicles).
 - Willis Avenue Bridge over the Harlem River between Manhattan and The Bronx: up 120.2% to 65,290 from 29,648 (+35,642 daily vehicles).
 - Kosciuszko Bridge along the Brooklyn-Queens Expressway over Newtown Creek: up 211.9% to 102,190 from 32,761 (+69,429 daily vehicles).
 - Eastern Boulevard Bridge along Bruckner Expressway (I-278) over the Bronx River in The Bronx: up 81.4% to 80,840 from 44,563 (+36,277 daily vehicles).
 - Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx: up 136.6% to 35,690 from 15,085 (+20,605 daily vehicles).
 - Unionport Bridge along Bruckner Boulevard over Westchester Creek in The Bronx: up 204.3% to 113,680 from 37,359 (+76,321 daily vehicles).
 - Hamilton Avenue Bridge over Gowanus Canal in Brooklyn: up 201.0% to 36,530 from 12,135 (+24,395 daily vehicles).
 - Mill Basin Bridge along Belt Parkway in Brooklyn: up 247.3% to 75,610 from 21,773 (+53,837 daily vehicles).
 - Hook Creek Bridge along Rockaway Boulevard in Queens: up 289.3% to 37,450 from 9,620 (+27,830 daily vehicles).
 - Midtown Highway Bridge on the Long Island Expressway over Dutch Kills in Queens: up 100.9% to 57,770 daily vehicles in 1963 from 28,754 in 1948 (+29,016 daily vehicles).

- Whitestone Expressway Bridge over the Flushing River in Queens: up 74.5% to 47,620 daily vehicles in 1963 from 27,290 in 1948 (+20,330 daily vehicles).
- Flushing Bridge along Northern Boulevard over the Flushing River in Queens: up 75.9% to 46,210 daily vehicles in 1963 from 26,276 in 1948 (+19,934 daily vehicles).
- The only significant decrease from 1948 to 1963 occurred on the Manhattan Bridge over the East River between Manhattan and Brooklyn: down 32.5%, to 58,510 daily vehicles in 1963 from 86,717 in 1948 (28,207 fewer daily vehicles).

1963 - 1973

- Between 1963 and 1973, bridge traffic increased 12.9% on the 45 City-operated bridges open during that period, to 1,813,489 daily vehicles from 1,605,860 (207,629 additional daily vehicles).
- Significant increases in daily traffic occurred on the following bridges:
 - Brooklyn Bridge over the East River between Manhattan and Brooklyn: up 30.5% to 102,834 daily vehicles in 1973 from 78,770 in 1963 (+24,064 daily vehicles).
 - Ed Koch Queensboro Bridge over the East River between Manhattan and Queens: up 18.7% to 138,066 daily vehicles from 116,350 (+21,716 daily vehicles).
 - Eastern Boulevard Bridge along Bruckner Expressway (I-278) over the Bronx River in The Bronx: up 29.0% to 104,293 daily vehicles from 80,840 (+23,453 daily vehicles).
 - Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx: up 43.3% to 51,137 daily vehicles from 35,690 (+15,447 daily vehicles).
 - Mill Basin Bridge along Belt Parkway in Brooklyn: up 30.3% to 98,553 from 75,610 (+22,943 daily vehicles).
 - Whitestone Expressway Bridge over the Flushing River in Queens: up 138.1% to 113,395 from 47,620 (+65,775 daily vehicles).
 - Fresh Kills Bridge over Richmond Creek in Staten Island: up 198.9% to 37,213 from 12,450 (+24,763 daily vehicles).
- Significant decreases in daily traffic occurred on the following bridges:
 - Willis Avenue Bridge over the Harlem River between Manhattan and The Bronx: down 21.1% to 51,537 daily vehicles in 1973 from 65,290 in 1963 (-13,753 daily vehicles).
 - Unionport Bridge in The Bronx: down 73.2% to 30,459 daily vehicles in 1973 from 113,680 in 1963 (-83,221 daily vehicles). The Bruckner Interchange was completed in 1972.

1973 - 1983

- From 1973 to 1983, total traffic on the 47 City-operated bridges increased 11.2%, to 2,174,428 daily vehicles from 1,955,472 (218,956 additional daily vehicles).
- The most significant increases occurred on the following bridges:
 - Alexander Hamilton Bridge over the Harlem River between Manhattan and The Bronx: up 18.0% to 161,772 daily vehicles in 1983 from 137,133 in 1973 (+24,639 daily vehicles).
 - Kosciuszko Bridge along the Brooklyn-Queens Expressway (I-278) over Newtown Creek: up 67.6% to 165,958 daily vehicles in 1983 from 99,044 in 1973 (+66,914 daily vehicles).

- Eastern Boulevard Bridge along Bruckner Expressway (I-278) over the Bronx River in The Bronx: up 25.1% to 130,492 daily vehicles in 1983 from 104,293 in 1973 (+26,199 daily vehicles).
- Mill Basin Bridge along Belt Parkway in Brooklyn: up 13.9% to 112,211 daily vehicles in 1983 from 98,553 in 1973 (+13,658 daily vehicles).
- Midtown Highway Bridge over Dutch Kills in Queens: up 20.2% to 88,132 daily vehicles in 1983 from 73,292 in 1973 (+14,840 daily vehicles).
- The most significant decreases were as follows:
 - Ed Koch Queensboro Bridge over the East River between Manhattan and Queens: down 9.3% to 125,158 daily vehicles in 1983 from 138,066 in 1973 (12,908 fewer daily vehicles).
 - J.J. Byrne Memorial Bridge (Greenpoint Avenue Bridge) over Newtown Creek between Brooklyn and Queens: down 38.3% to 16,528 daily vehicles in 1983 from 26,798 in 1973 (10,270 fewer daily vehicles).

1983 - 1993

- From 1983 to 1993, daily traffic increased 8.8% on the 47 City-operated bridges, to 2,366,635 from 2,174,428 (192,207 additional daily vehicles).
- Significant increases in daily traffic occurred on the following bridges:
 - Brooklyn Bridge over the East River between Manhattan and Brooklyn: up 16.4% to 134,793 daily vehicles in 1993 from 115,825 in 1983 (+18,968 daily vehicles).
 - Alexander Hamilton Bridge over the Harlem River between Manhattan and The Bronx: up 11.6% to 180,507 daily vehicles in 1993 from 161,772 in 1983 (+18,735 daily vehicles).
 - Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx: up 30.9% to 78,053 daily vehicles in 1993 from 59,615 in 1983 (+18,438 daily vehicles).
 - Mill Basin Bridge along Belt Parkway in Brooklyn: up 16.6% to 130,805 daily vehicles in 1993 from 112,211 in 1983 (+18,594 daily vehicles).
 - Roosevelt Avenue Bridge over the Flushing River in Queens: up 86.1%, to 28,012 daily vehicles from 15,051 (+12,961 daily vehicles).
- Significant decreases occurred on the following bridges:
 - Manhattan Bridge over the East River between Manhattan and Brooklyn: down 12.6% to 74,526 daily vehicles in 1993 from 85,222 in 1983 (10,696 fewer daily vehicles).
 - Midtown Highway Bridge on the Long Island Expressway (I-495) over Dutch Kills in Queens: down 27.0% to 64,368 daily vehicles in 1993 from 88,132 in 1983 (23,764 fewer daily vehicles).

1993 - 2003

- From 1993 to 2003, bridge traffic increased 15.2%, to 2,726,918 daily vehicles from 2,366,635 (360,283 additional daily vehicles).
- Significant increases in daily traffic occurred on the following bridges:
 - Ed Koch Queensboro Bridge over the East River: up 36.0%, to 184,964 daily vehicles in 2003 from 135,964 in 1993 (+49,000 daily vehicles).

- Kosciuszko Bridge along the Brooklyn-Queens Expressway over Newtown Creek: up 16.8% to 194,497 daily vehicles in 2003 from 166,592 in 1993 (27,905 additional daily vehicles).
- Eastern Boulevard Bridge on Bruckner Expressway over the Bronx River in The Bronx: up 32.6% to 170,735 daily vehicles in 2003 from 128,713 in 1993 (+42,022 daily vehicles).
- Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx: up 50.1% to 117,195 daily vehicles in 2003 from 78,053 in 1993 (+39,142 daily vehicles).
- Unionport Bridge along Bruckner Boulevard over Westchester Creek in The Bronx: up 51.0% to 60,993 daily vehicles in 2003 from 40,385 in 1993 (+20,608 daily vehicles).
- Midtown Highway Bridge (I-495) over Dutch Kills in Queens: up 30.9% to 84,243 daily vehicles in 2003 from 64,368 in 1993 (+19,875 daily vehicles).
- Whitestone Expressway Bridge over the Flushing River in Queens: up 28.9% to 188,770 daily vehicles in 2003 from 146,440 in 1993 (+42,330 daily vehicles).
- Fresh Kills Bridge along Richmond Avenue over Richmond Creek in Staten Island: up 32.4% to 66,155 daily vehicles in 2003 from 49,969 in 1993 (16,186 additional daily vehicles).
- The only significant decrease occurred on the 3rd Avenue Bridge over the Harlem River between Manhattan and The Bronx: down 37.4% to 43,065 daily vehicles in 2003 from 68,812 in 1993 (25,747 fewer daily vehicles). Throughout 2003, two of the four lanes were closed round-the-clock for long-term reconstruction.

1948 - 2013

- During the 65 years from 1948 to 2013, total bridge traffic increased 193.6% to 2,712,683 daily vehicles in 2013 from 923,996 in 1948 (1,788,687 additional daily vehicles).
- **East River Bridges**
 - Traffic using the four East River Bridges increased 87.8% to 477,147 daily vehicles in 2013 from 254,068 in 1948 (223,079 additional daily vehicles).
 - Brooklyn Bridge up 177.1% to 102,542 daily vehicles from 37,011 (+65,531 daily vehicles).
 - Ed Koch Queensboro Bridge up 106.2% to 171,556 daily vehicles from 83,201 (+88,355 daily vehicles).
 - Williamsburg Bridge up 145.4% to 115,674 daily vehicles from 47,139 (+68,535 daily vehicles).
- **Harlem River Bridges**
 - Traffic using the nine Harlem River Bridges increased 169.4% to 558,163 daily vehicles in 2013 from 207,177 in 1948 (350,986 additional daily vehicles). This includes the Alexander Hamilton Bridge which opened in January 1963.
 - Willis Avenue Bridge up 120.0% to 65,216 daily vehicles from 29,648 (+35,568 daily vehicles).
 - Third Avenue Bridge up 91.4% to 60,120 daily vehicles from 31,403 (+28,717 daily vehicles).
 - Washington Bridge up 83.9% to 54,031 daily vehicles from 29,374 (+24,657 daily vehicles).

- **Brooklyn-Queens Bridges**

- Traffic using the four bridges over Newtown Creek increased 251.0% to 269,845 daily vehicles in 2013 from 76,884 in 1948 (192,961 additional daily vehicles).
- Kosciuszko Bridge up 483.7% to 191,225 daily vehicles from 32,761 (+158,464 daily vehicles).

- **Bronx Bridges**

- Traffic using the eight bridges in The Bronx increased 223.4% to 456,730 daily vehicles in 2013 from 141,247 in 1948 (315,483 additional daily vehicles).
- Hutchinson River Parkway Bridge up 702.1% to 120,999 daily vehicles from 15,085 (+105,914 daily vehicles).
- Eastern Boulevard Bridge up 293.7% to 175,436 daily vehicles from 44,563 (+130,873 daily vehicles).

- **Brooklyn Bridges**

- Traffic using the ten bridges in Brooklyn increased 255.7% to 326,908 daily vehicles in 2013 from 91,917 in 1948 (234,991 additional daily vehicles).
- Mill Basin Bridge up 580.1% to 148,084 daily vehicles from 21,773 (+126,311 daily vehicles).
- Hamilton Avenue Bridge up 331.2% to 52,321 daily vehicles from 12,135 (+40,186 daily vehicles).
- Metropolitan Avenue Bridge up 328.4% to 37,437 daily vehicles from 8,739 (+28,698 daily vehicles).

- **Queens Bridges**

- Traffic using the eleven bridges in Queens increased 283.2% to 563,650 daily vehicles in 2013 from 147,106 in 1948 (416,544 additional daily vehicles).
- Whitestone Expressway Bridge up 654.1% to 205,790 daily vehicles from 27,290 (+178,500 daily vehicles).
- Hook Creek Bridge up 709.4% to 77,868 daily vehicles from 9,620 (+68,248 daily vehicles).
- Midtown Highway Bridge up 205.4% to 87,827 daily vehicles from 28,754 (+59,073 daily vehicles).

- **Staten Island**

- Traffic volume on the Fresh Kills Bridge in Staten Island increased 976.3% to 60,240 daily vehicles in 2013 from 5,597 in 1948 (54,643 additional daily vehicles).

Total NYC Toll Free Bridges
Average Daily Traffic Volumes
1948 - 2013

<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

Total NYC Toll Free Bridges (continued)
Average Daily Traffic Volumes
1948 - 2013

<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

NYC Tolled Facilities
Average Daily Traffic Volumes
1948 - 2013

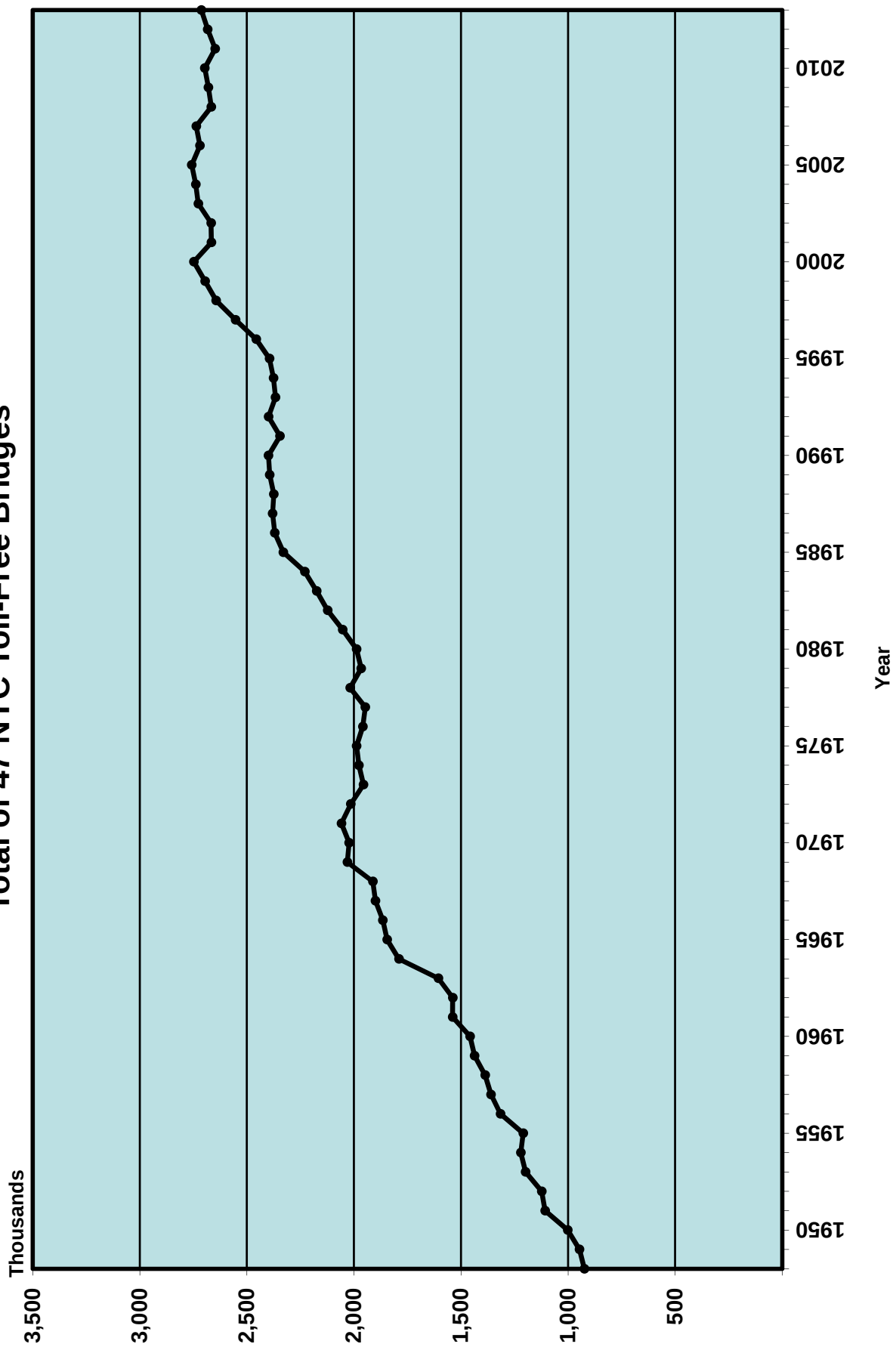
Year	MTABT Manhattan	PANYNJ Manhattan	MTABT Outer Boro	PANYNJ Staten Is	Total
1948	92,977	115,785	80,977	13,214	302,953
1949	110,071	129,943	97,117	14,628	351,759
1950	161,856	146,653	109,454	16,431	434,394
1951	180,272	166,150	124,391	18,335	489,148
1952	194,327	181,253	133,747	19,143	528,470
1953	200,535	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

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

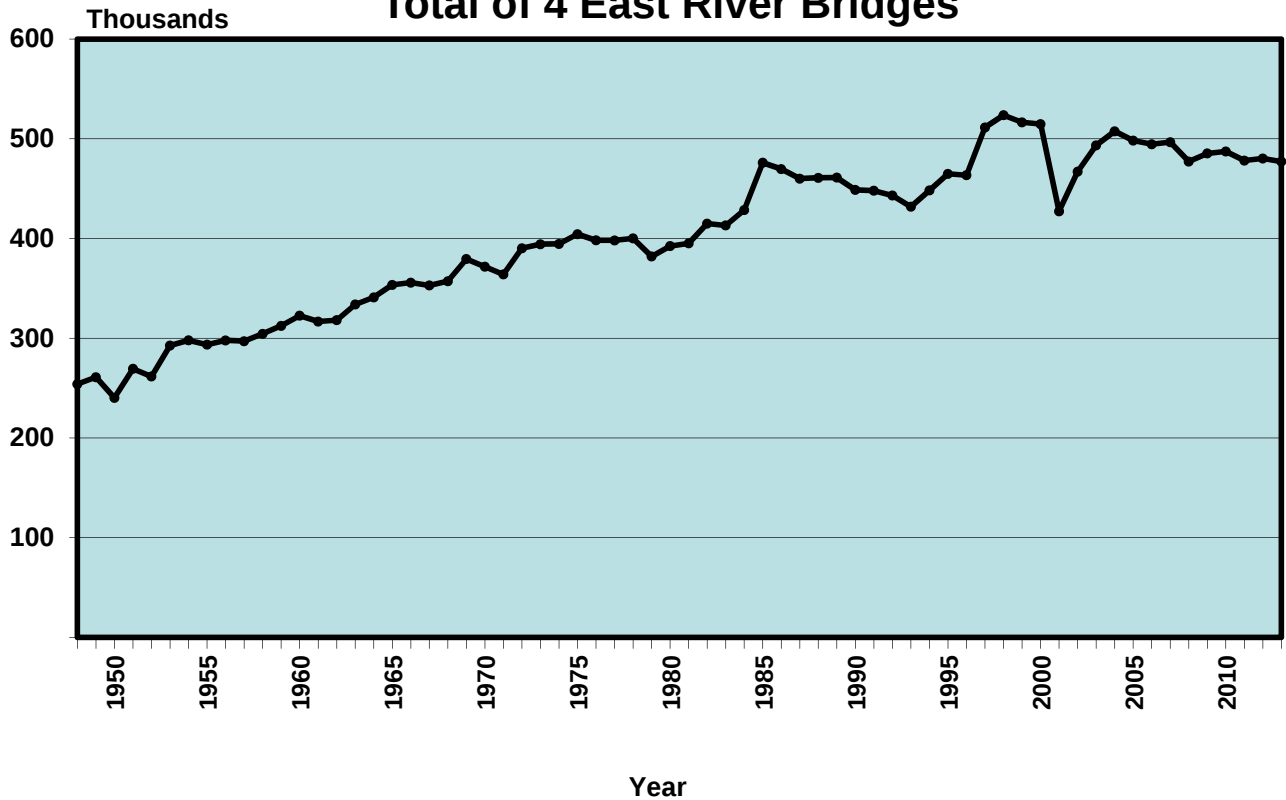
PANYNJ toll increases: 5/1975, 1/1984, 4/1987, 4/1991, 3/2001, 3/2008, 9/2011, 12/2012, & 12/2013.

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.

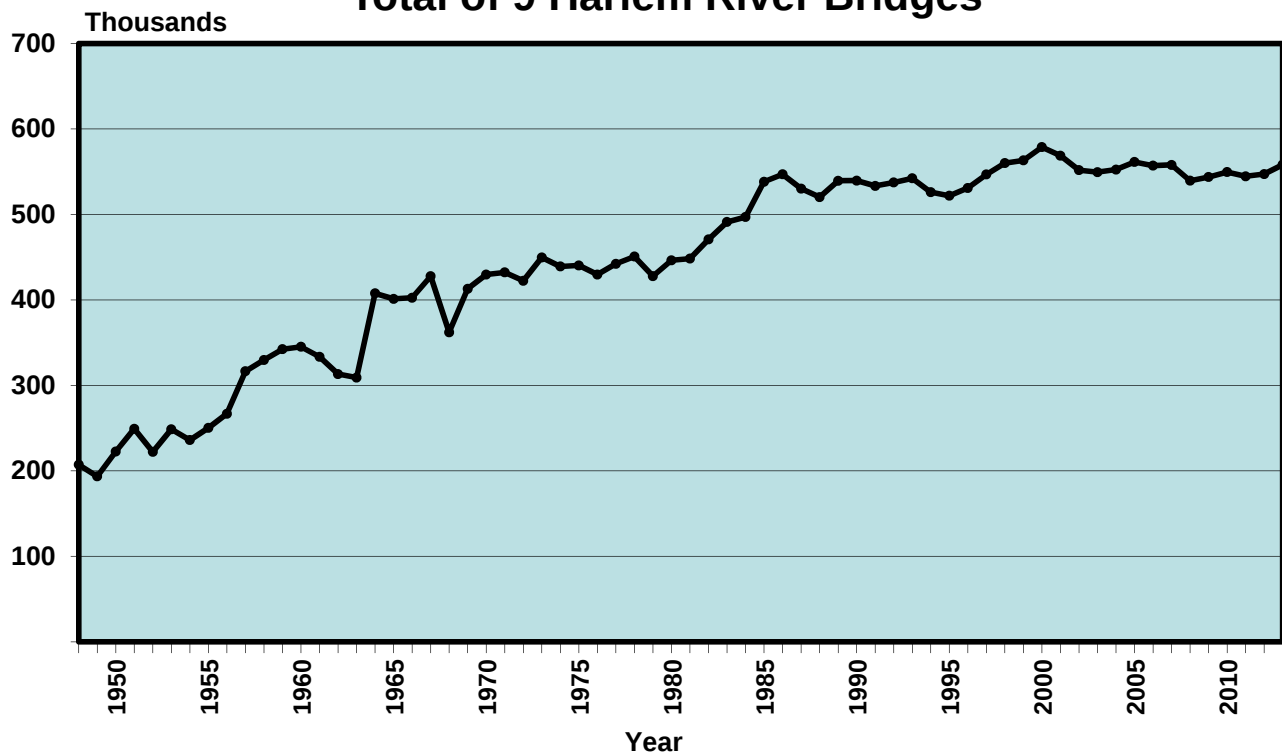
Average Daily Traffic Volumes ~ Total of Both Directions Total of 47 NYC Toll-Free Bridges



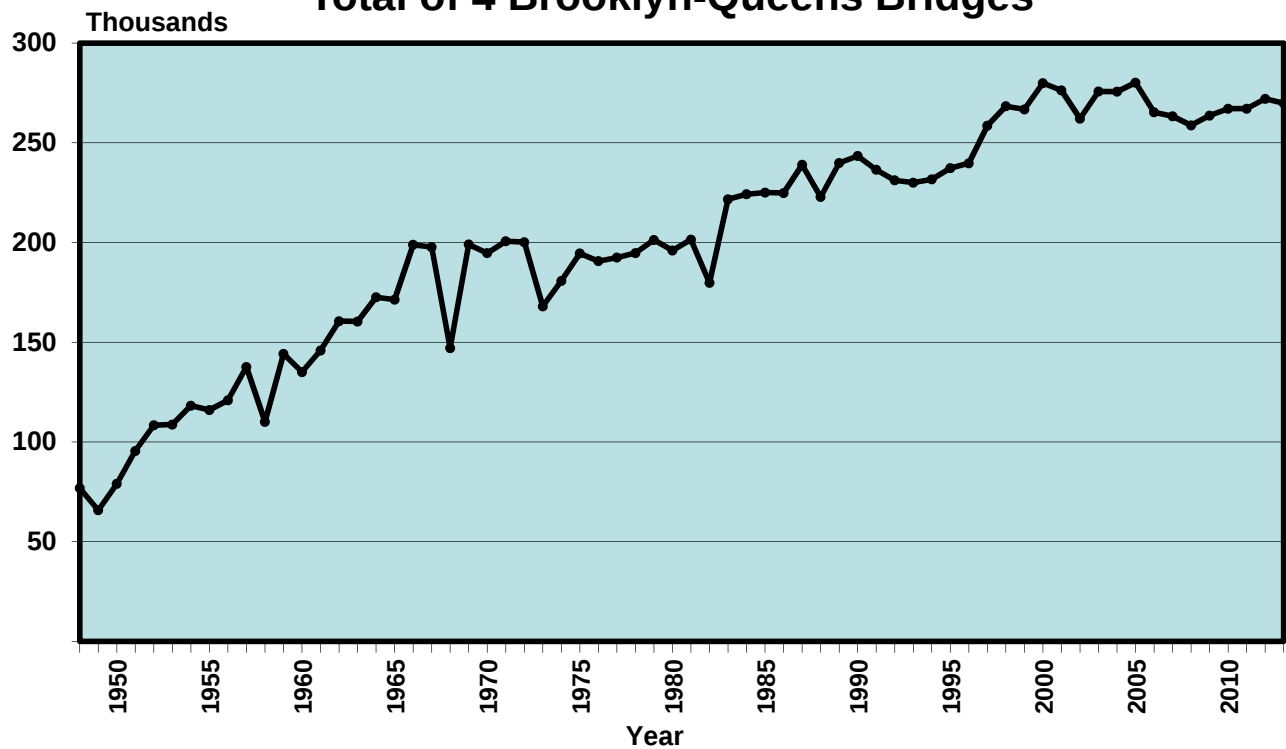
Average Daily Traffic Volumes ~ Total of Both Directions Total of 4 East River Bridges



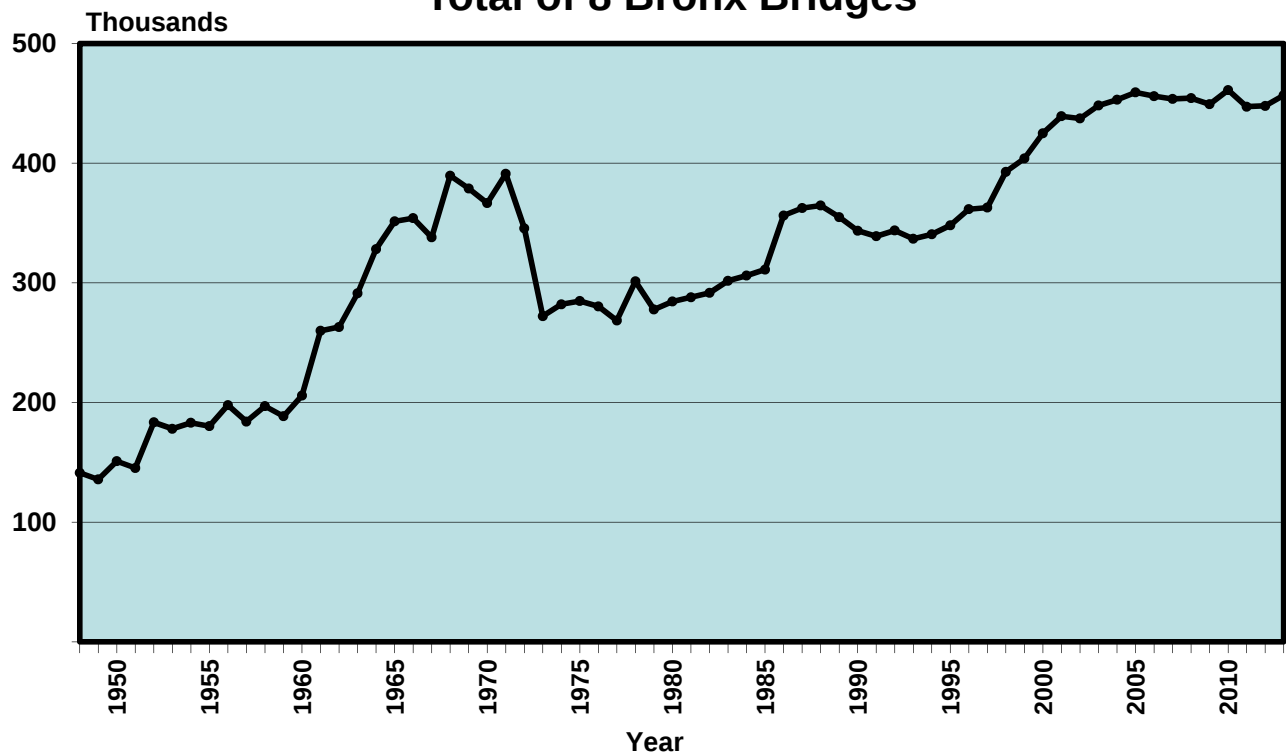
Average Daily Traffic Volumes ~ Total of Both Directions Total of 9 Harlem River Bridges



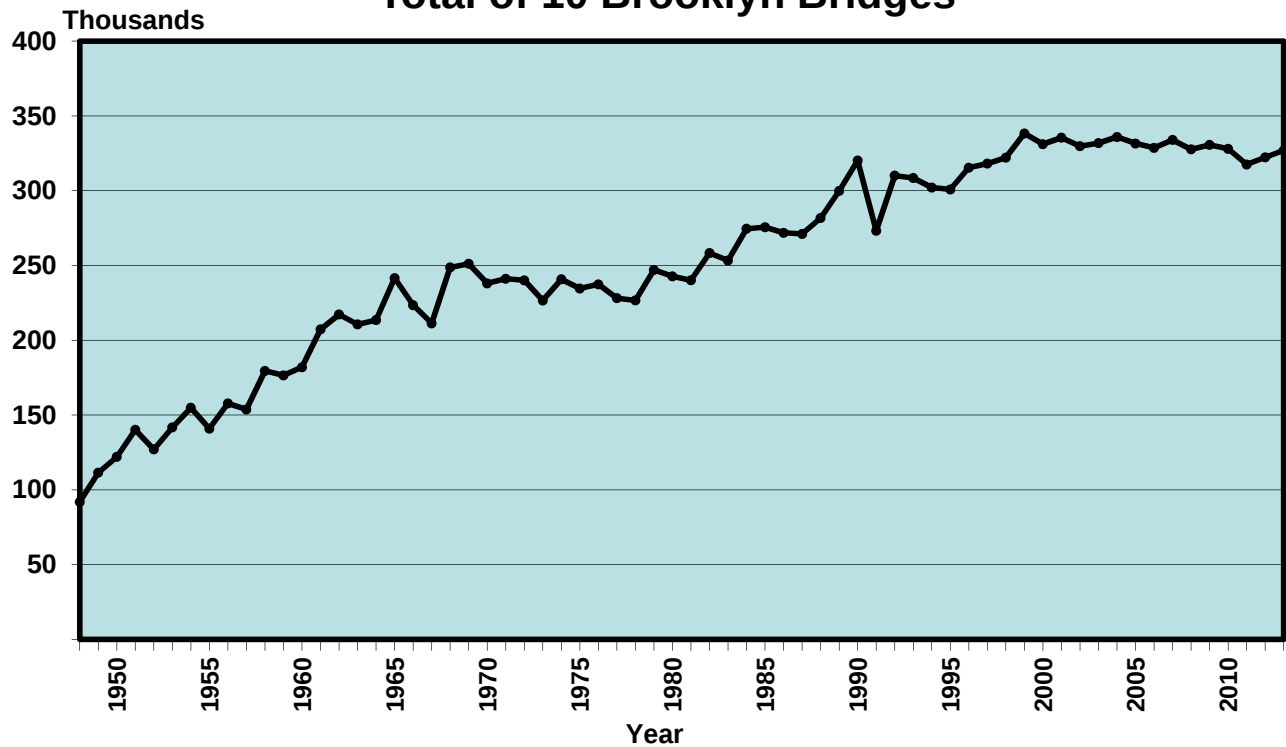
**Average Daily Traffic Volumes ~ Total of Both Directions
Total of 4 Brooklyn-Queens Bridges**



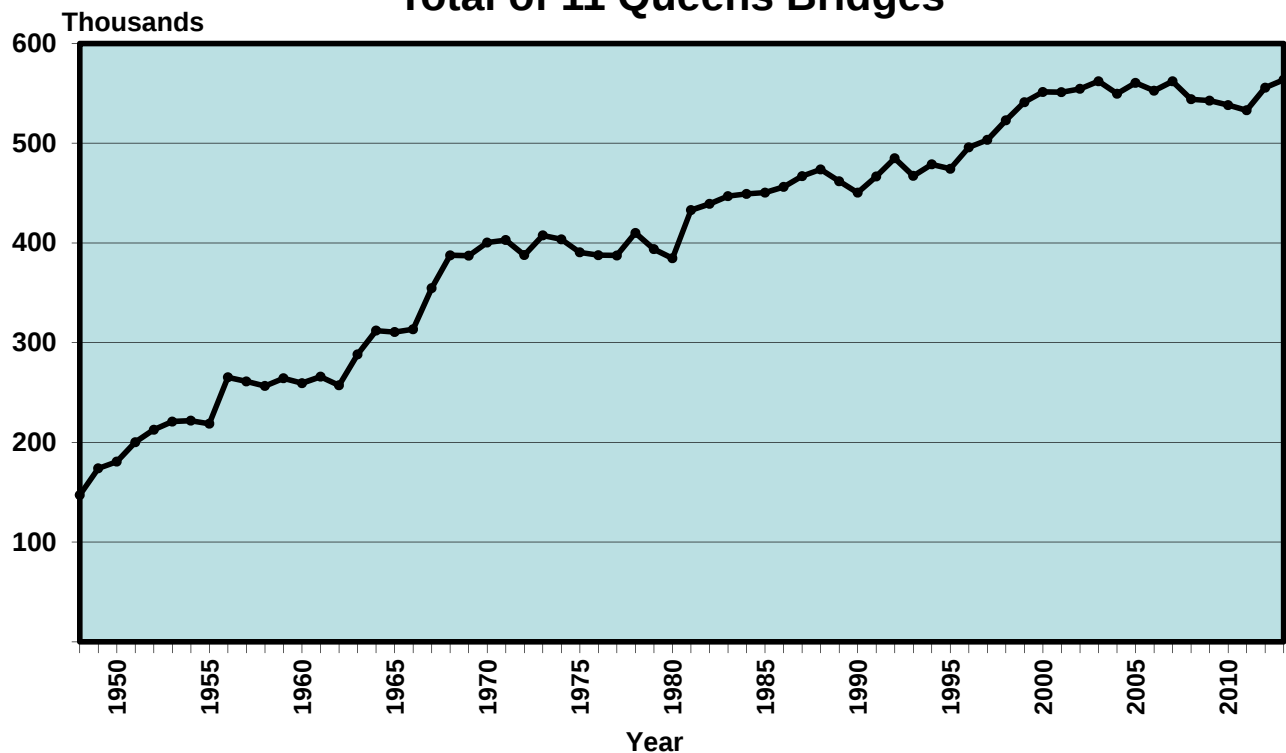
**Average Daily Traffic Volumes ~ Total of Both Directions
Total of 8 Bronx Bridges**



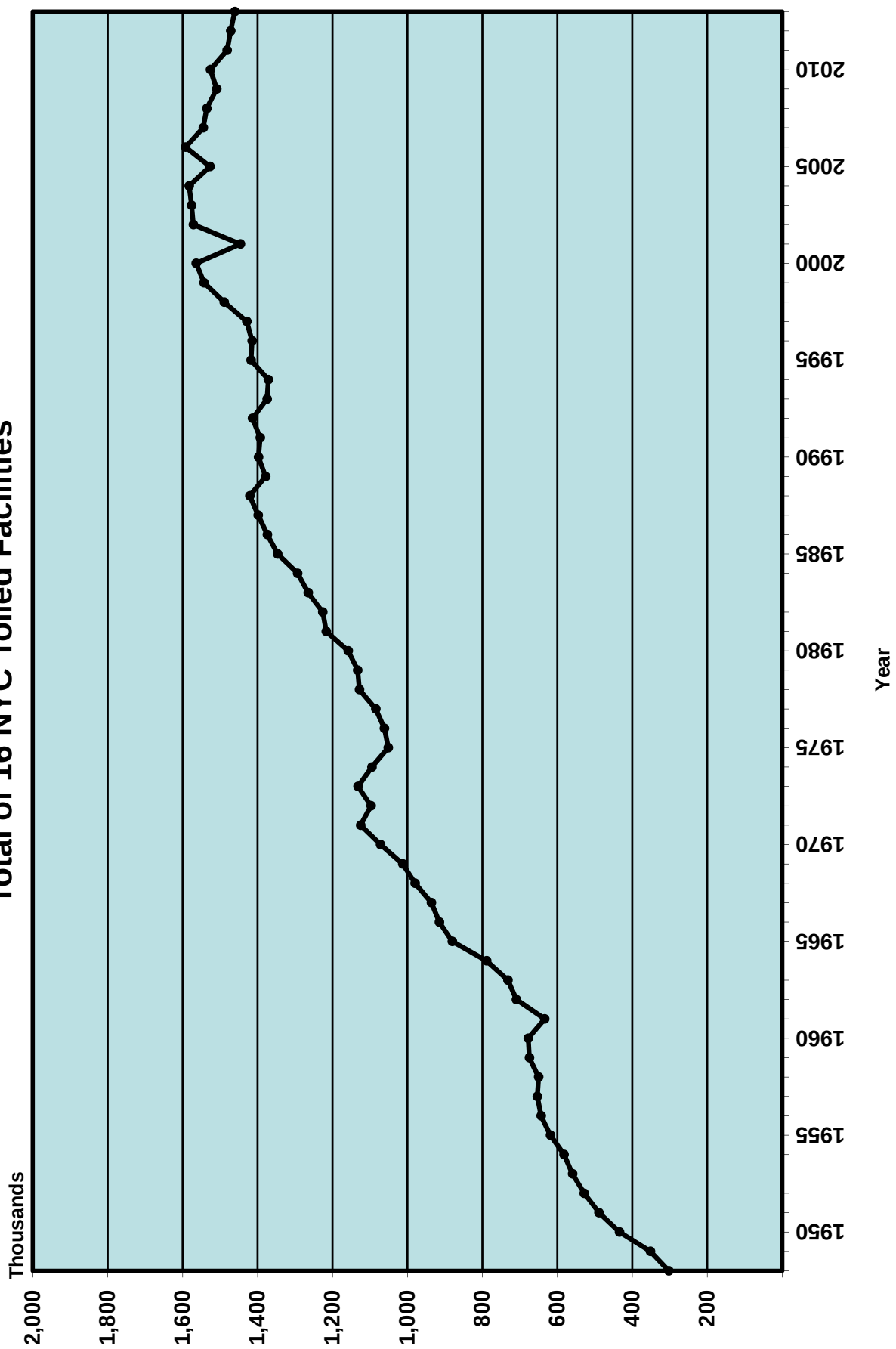
Average Daily Traffic Volumes ~ Total of Both Directions Total of 10 Brooklyn Bridges



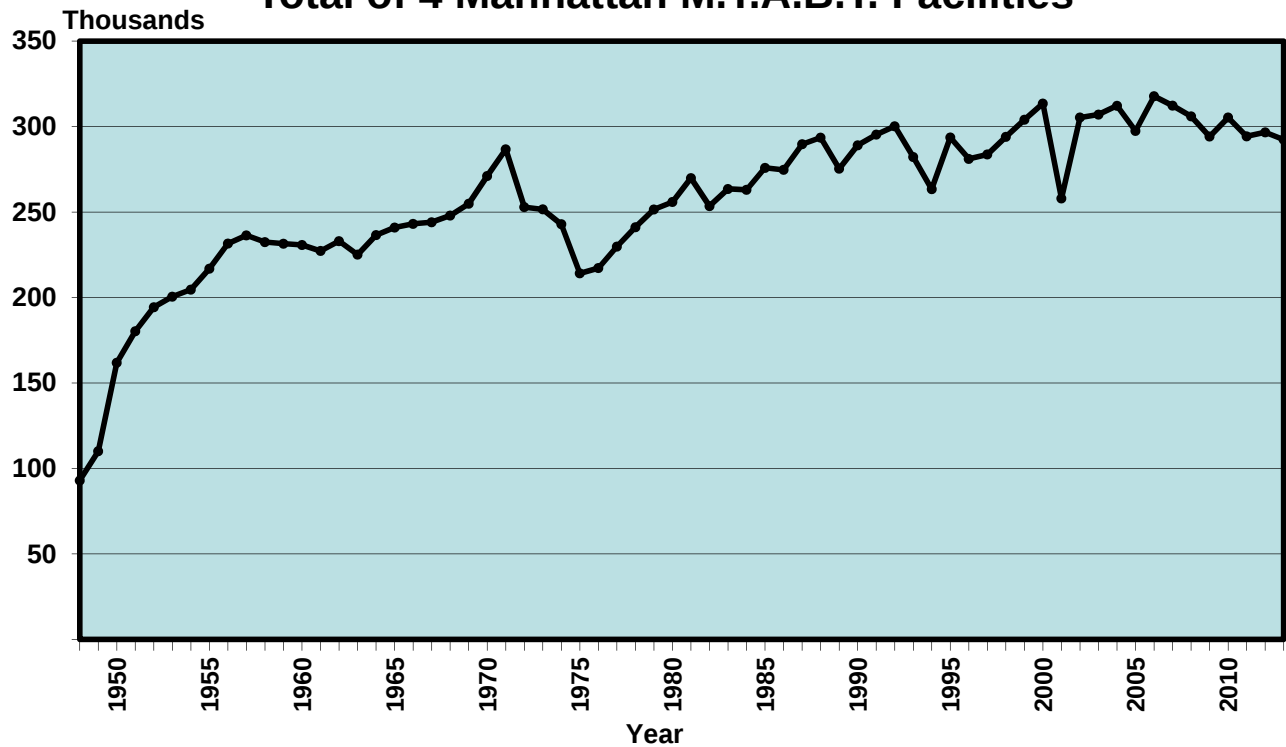
Average Daily Traffic Volumes ~ Total of Both Directions Total of 11 Queens Bridges



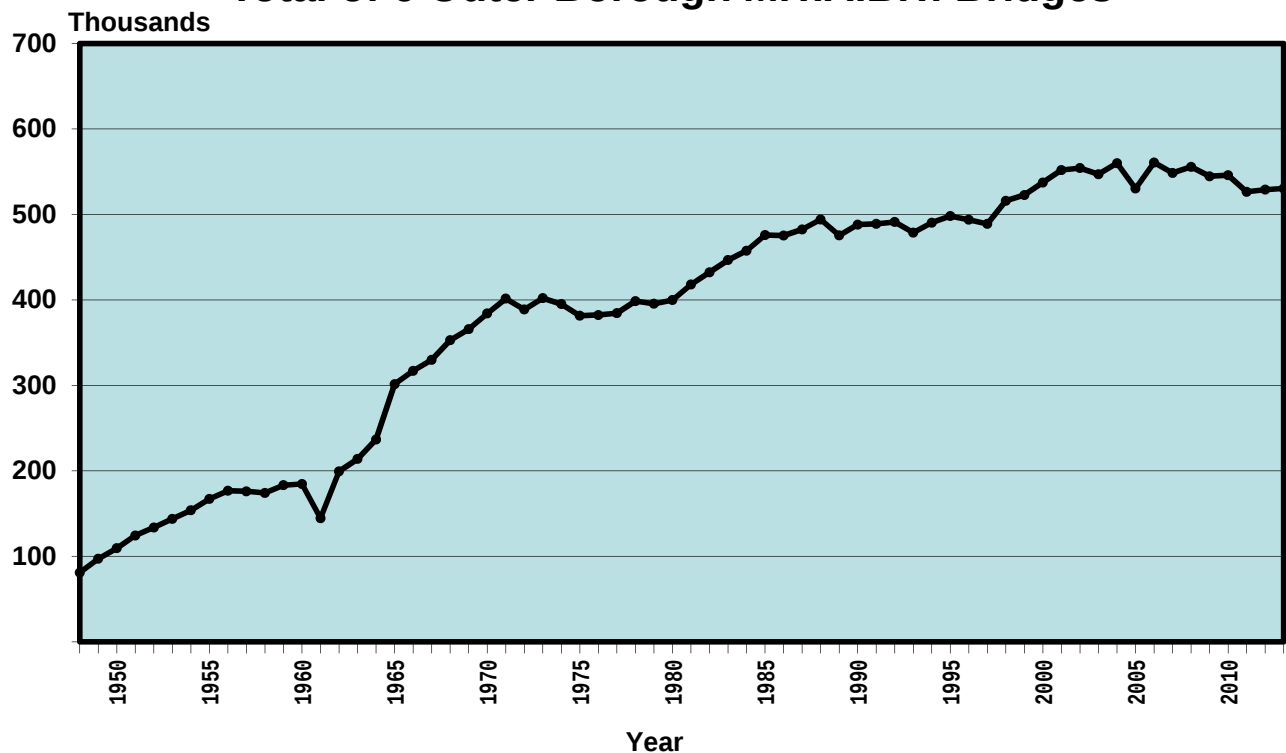
Average Daily Traffic Volumes ~ Total of Both Directions Total of 16 NYC Tolled Facilities



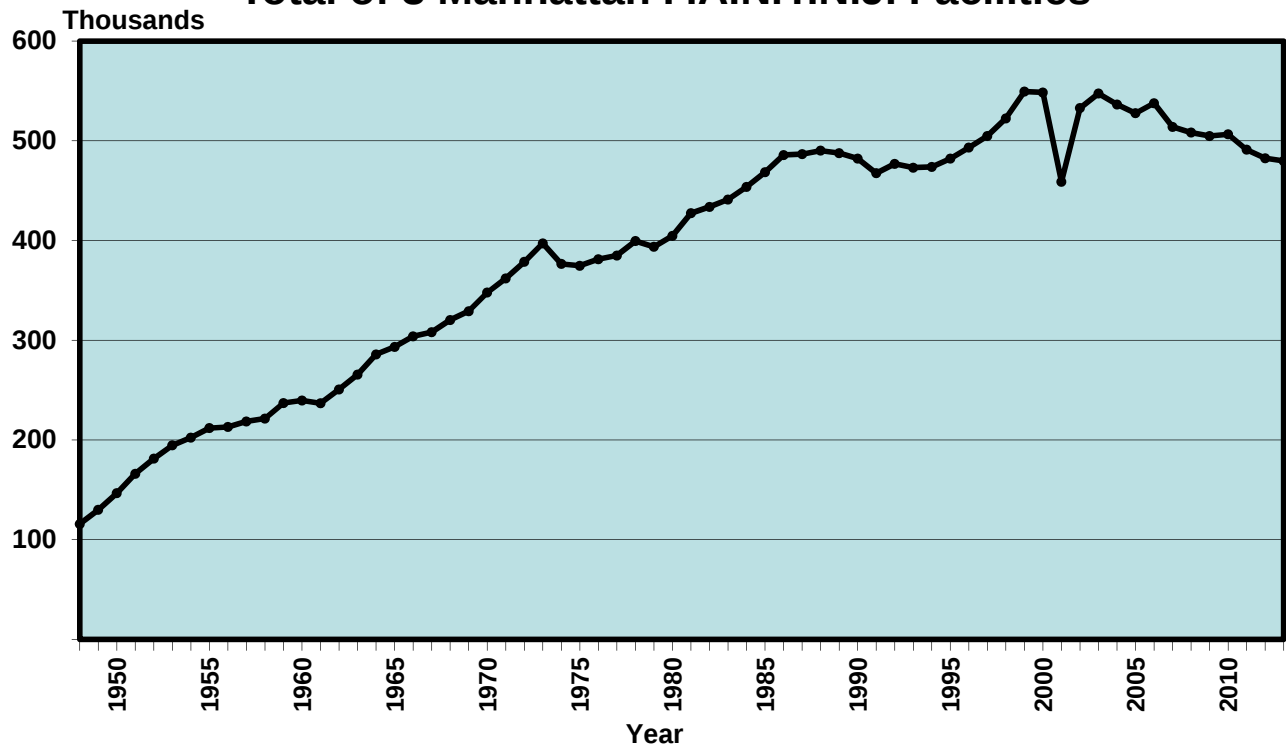
**Average Daily Traffic Volumes ~ Total of Both Directions
Total of 4 Manhattan M.T.A.B.T. Facilities**



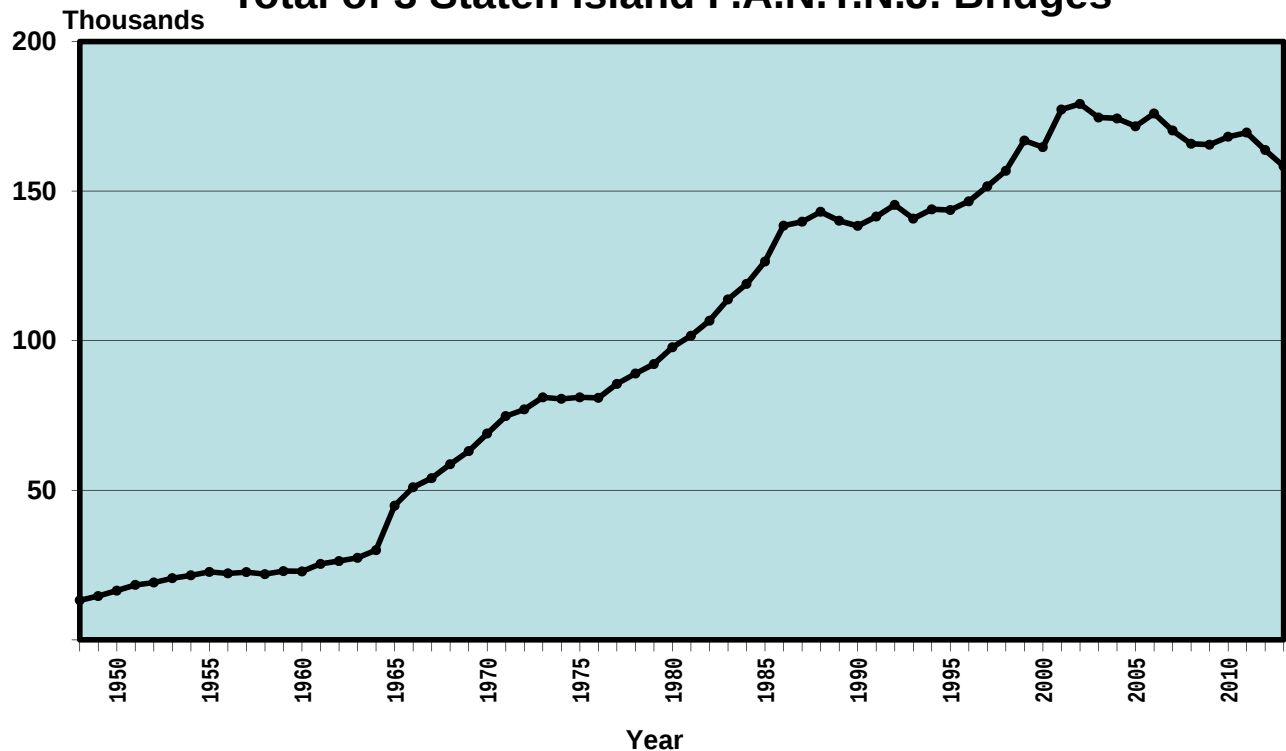
**Average Daily Traffic Volumes ~ Total of Both Directions
Total of 6 Outer Borough M.T.A.B.T. Bridges**



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



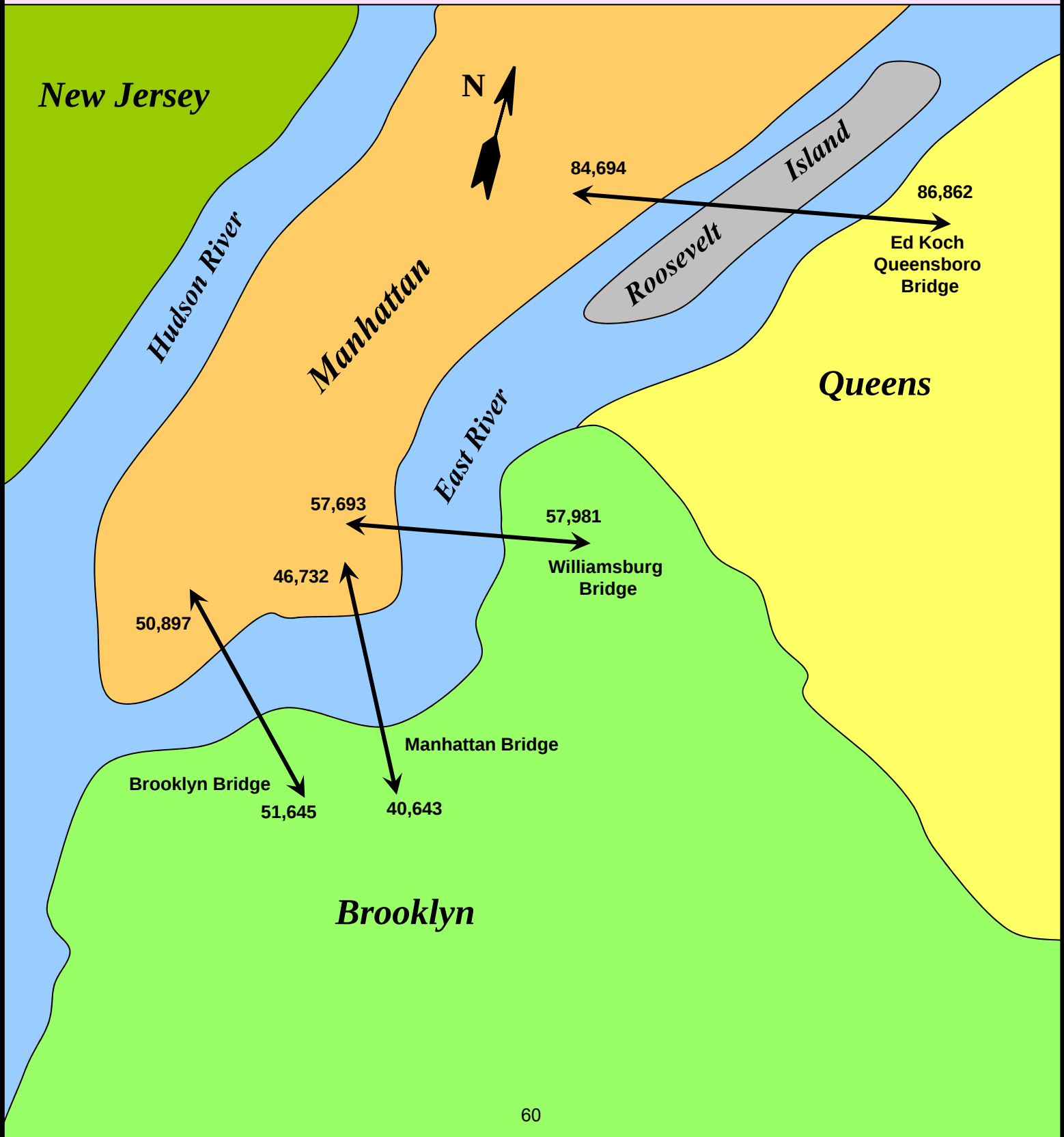
East River Bridges



Brooklyn Bridge

East River Bridges

2013 Daily Volumes



East River Bridges
Average Daily Traffic Volumes
1948 - 2013

<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

Hourly Vehicular Volumes

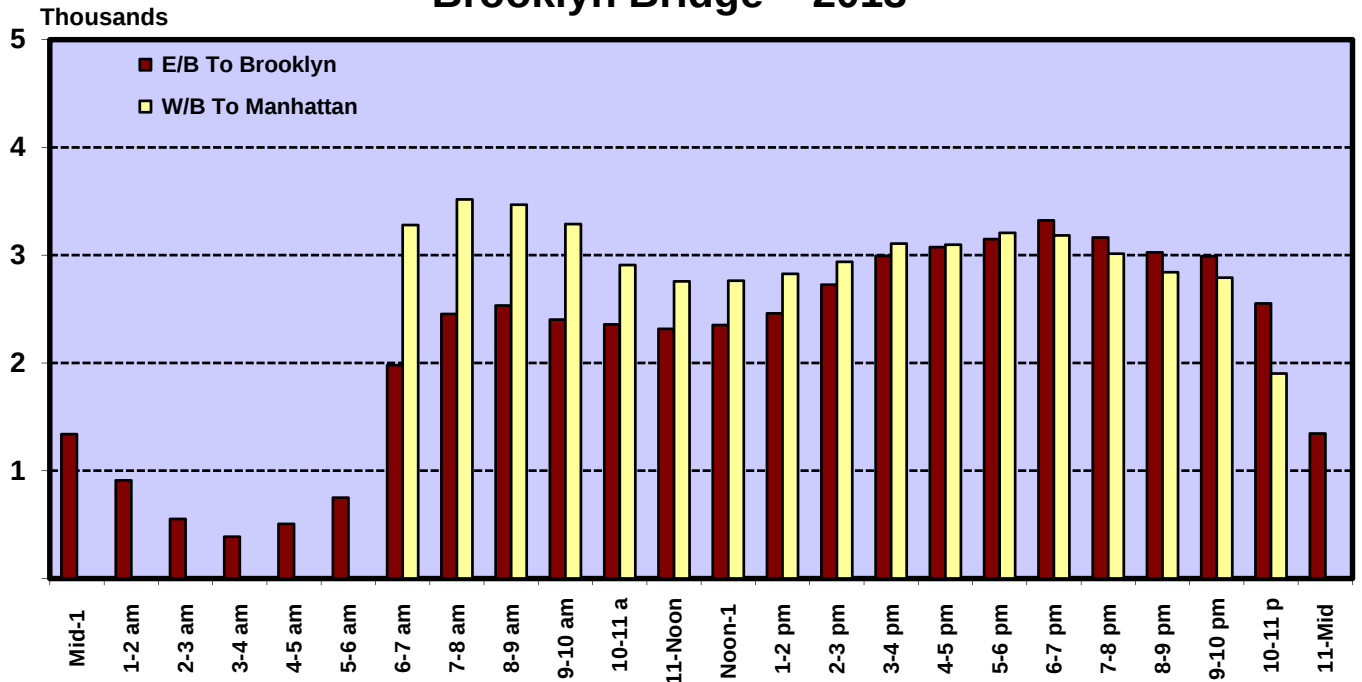
Brooklyn Bridge - 2013

FHWA Classes ▶	Eastbound to Brooklyn										Westbound to Manhattan										2-Way Grand Totals																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Based on March 2006 Classification Survey Data from New York Metropolitan Transportation Council.

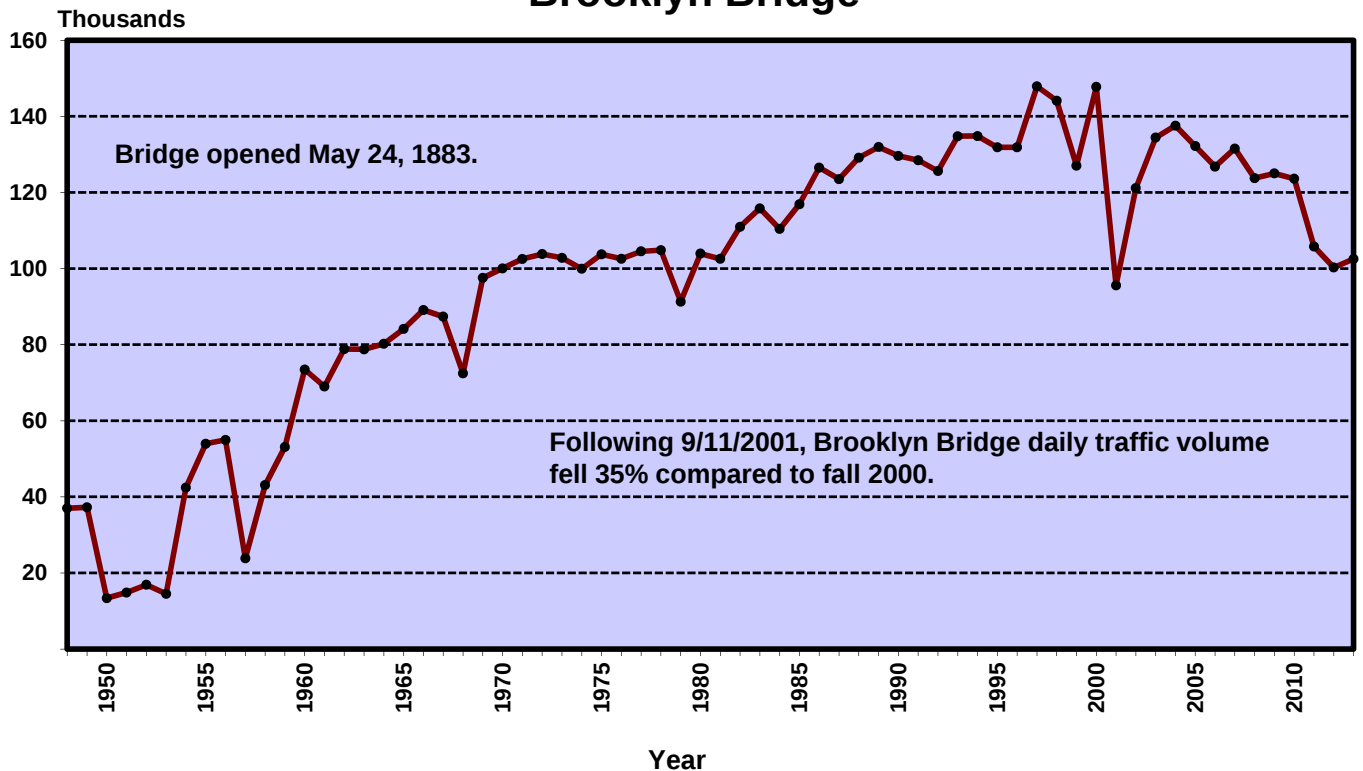
** Peak Volumes

Hourly Vehicular Volumes Brooklyn Bridge ~ 2013



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

Average Daily Traffic Volumes ~ Total of Both Directions Brooklyn Bridge



Hourly Vehicular Volumes

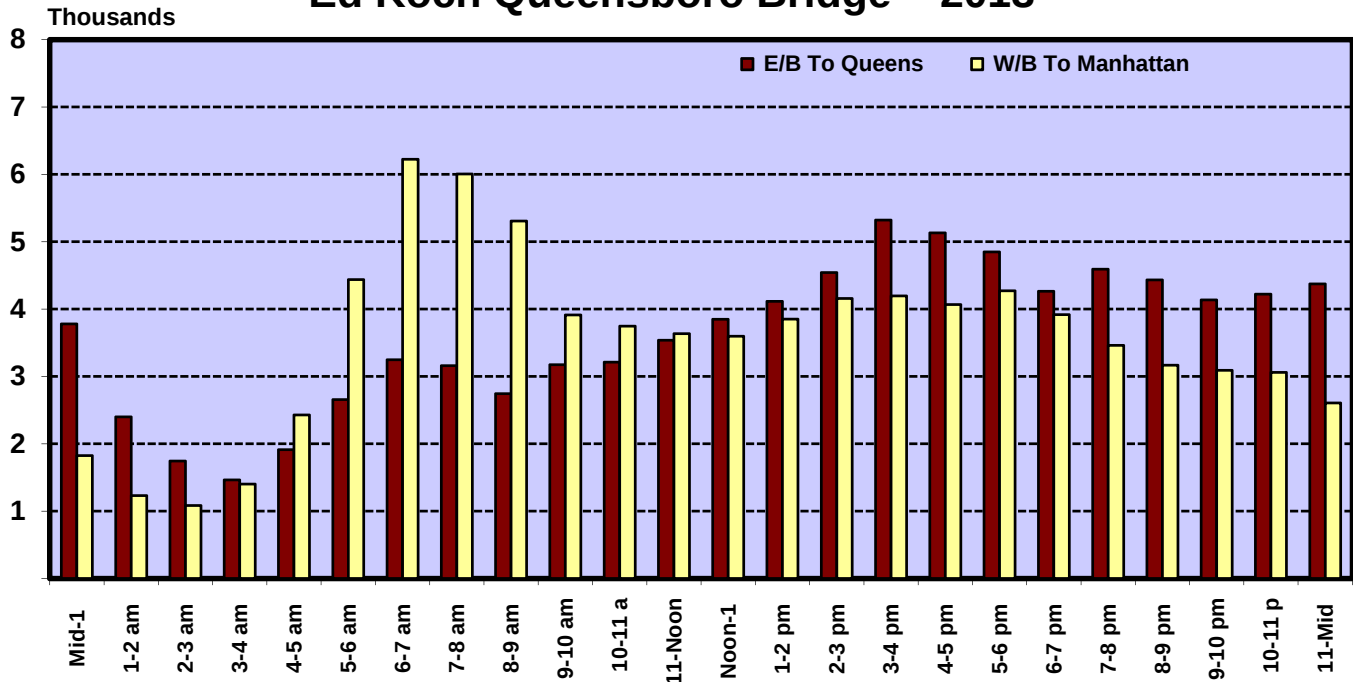
Ed Koch Queensboro Bridge - 2013

Westbound to Manhattan															2-Way Grand Totals
FHWA Classes ▶	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles														
	Autos, SUVs, Family Vans		Taxis, Liveryes, Limos		Pickups, Police, Fleet Vehicles		Buses		Single Unit Trucks		Multiple Unit Trucks		Total Vehicles		
12-1am	2,193	1,458	61	13	46	8	3,779	987	743	26	8	41	21	1,826	5,605
1-2am	881	1,422	44	6	36	11	2,400	609	508	50	6	14	43	1,230	3,630
2-3am	707	926	45	6	39	21	1,744	503	432	79	3	23	45	1,085	2,829
3-4am	616	727	60	2	44	15	1,464	701	442	139	4	67	49	1,402	2,866
4-5am	854	901	59	3	78	17	1,912	1,347	708	212	2	93	67	2,429	4,341
5-6am	1,858	539	132	3	84	41	2,657	2,590	1,325	283	12	126	103	4,439	7,096
6-7am	2,666	264	138	21	117	41	3,247	3,686	1,812	465	23	158	81	6,225	9,472
7-8am	2,373	372	175	49	170	20	3,159	3,458	1,531	540	51	344	82	6,006	9,165
8-9am	1,998	368	143	103	122	10	2,744	3,050	875	978	41	328	36	5,308	8,052
9-10am	2,365	236	230	120	183	40	3,174	2,352	553	698	47	155	107	3,912	7,086
10-11am	1,765	853	293	77	207	18	3,213	2,611	377	465	71	128	95	3,747	6,960
11-12am	1,908	886	471	37	223	12	3,537	2,501	393	425	37	222	58	3,636	7,173
12-1pm	2,245	809	501	53	225	16	3,849	2,384	583	382	37	172	39	3,597	7,446
1-2pm	2,251	926	563	72	279	24	4,115	2,872	415	317	55	126	67	3,852	7,967
2-3pm	2,418	1,243	513	42	307	19	4,542	3,121	543	298	62	92	42	4,158	8,700
3-4pm	3,020	1,254	714	57	268	10	5,323	3,380	413	217	30	132	25	4,197	9,520
4-5pm	2,616	1,625	623	64	199	6	5,133	3,207	590	153	38	67	13	4,068	9,201
5-6pm	2,751	1,210	575	116	191	6	4,849	2,921	1,087	154	30	52	28	4,272	9,121
6-7pm	2,836	845	295	130	146	12	4,264	3,233	467	141	20	35	22	3,918	8,182
7-8pm	3,173	1,049	194	74	92	10	4,592	2,991	285	98	21	52	14	3,461	8,053
8-9pm	3,260	905	145	45	73	5	4,433	2,769	262	55	19	45	18	3,168	7,601
9-10pm	2,796	1,064	145	39	74	19	4,137	2,551	351	72	12	50	56	3,092	7,229
10-11pm	2,568	1,468	84	18	71	12	4,221	2,495	434	64	10	29	28	3,060	7,281
11-12pm	2,979	1,216	68	27	65	19	4,374	1,891	600	44	15	37	19	2,606	6,980
Totals	53,097	22,566	6,271	1,177	3,339	412	86,862	58,210	15,729	6,355	654	2,588	1,158	84,694	171,556
7-10am	6,736	976	548	272	475	70	9,077	8,860	2,959	2,216	139	827	225	15,226	24,303
10am-1pm	5,918	2,548	1,265	167	655	46	10,599	7,496	1,353	1,272	145	522	192	10,980	21,579
1-4pm	7,689	3,423	1,790	171	854	53	13,980	9,373	1,371	832	147	350	134	12,207	26,187
4-7pm	8,203	3,680	1,493	310	536	24	14,246	9,361	2,144	448	88	154	63	12,258	26,504
7am-7pm	28,546	10,627	5,096	920	2,520	193	47,902	35,090	7,827	4,768	519	1,853	614	50,671	98,573
6-10am	9,402	1,240	686	293	592	111	12,324	12,546	4,771	2,681	162	985	306	21,451	33,775
3-7pm	11,223	4,934	2,207	367	804	34	19,569	12,741	2,557	665	118	286	88	16,455	36,024
6am-7pm	31,212	10,891	5,234	941	2,637	234	51,149	38,776	9,639	5,233	542	2,011	695	56,896	108,045

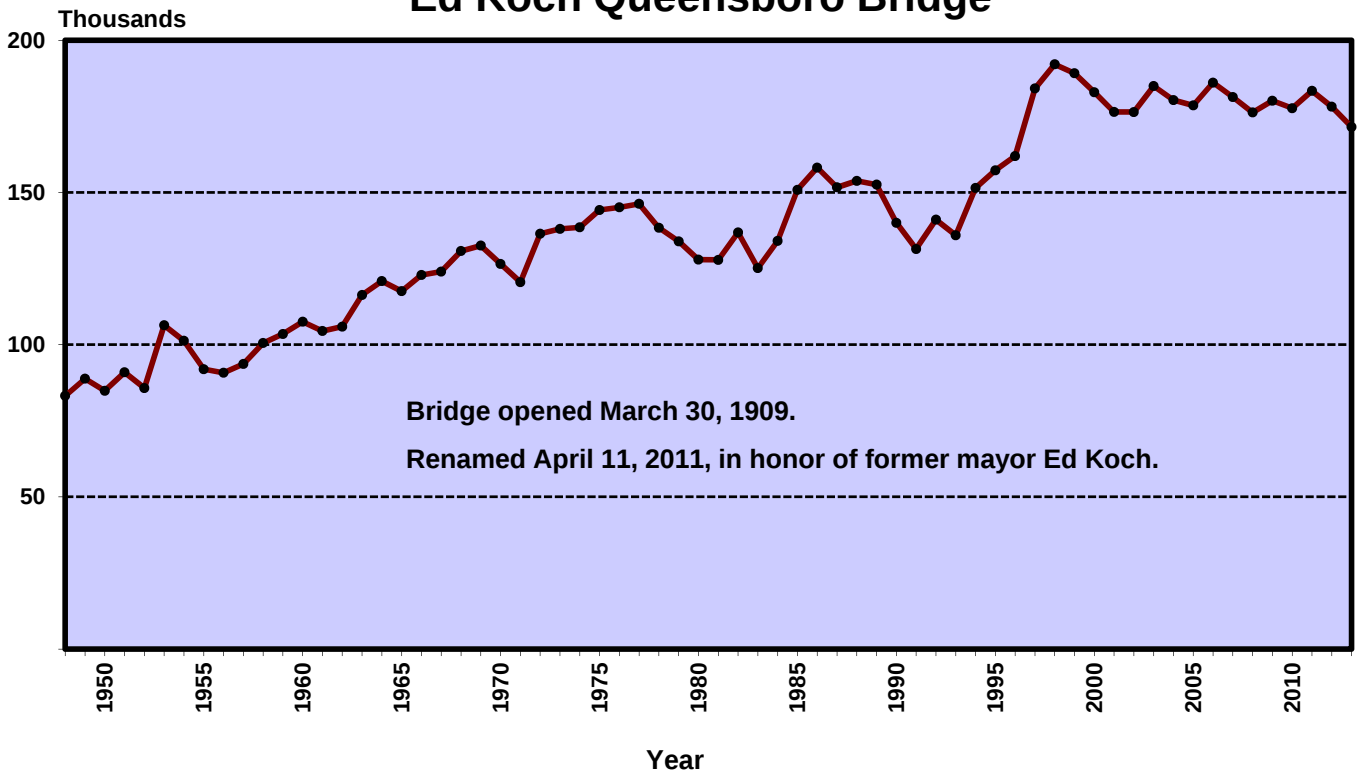
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Ed Koch Queensboro Bridge ~ 2013



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



Hourly Vehicular Volumes

Manhattan Bridge - 2013

Eastbound to Brooklyn

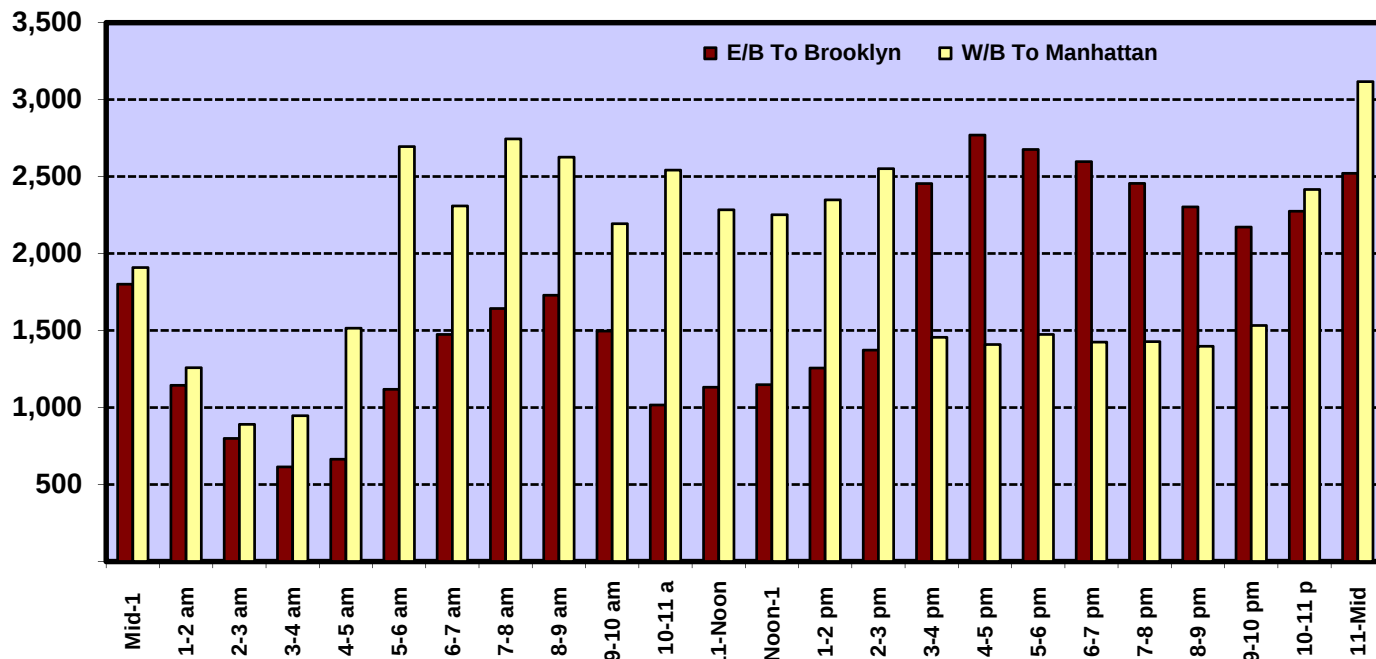
Westbound to Manhattan

FHWA Classes ▲	Commuter Vans						Commuter Vans						2-Way Grand Totals	
	Autos & Motorcycles			Commercial Vans			Single Unit Trucks			Tractor Trailers				Total Vehicles
	1 & 2	3	4	5 - 7	8 - 13	Total Vehicles	1 & 2	3	4	5 - 7	8 - 13			
12-1am	1,735	34	11	18	3	1,801	1,894	10	1	4	0	1,909	3,710	
1-2am	1,112	22	3	7	1	1,145	1,247	9	1	2	0	1,259	2,404	
2-3am	770	18	4	6	2	800	880	5	1	5	0	891	1,691	
3-4am	586	16	4	6	3	615	930	8	3	5	1	947	1,562	
4-5am	646	8	3	6	1	664	1,382	24	6	100	4	1,516	2,180	
5-6am	1,077	9	10	22	1	1,119	2,271	44	52	279	49	2,695	3,814	
6-7am	1,313	33	37	82	10	1,475	1,842	56	70	301	41	2,310	3,785	
7-8am	1,387	47	54	146	9	1,643	2,195	57	69	405	19	2,745	4,388	
8-9am	1,460	33	56	168	13	1,730	2,158	46	49	355	19	2,627	4,357	
9-10am	1,210	33	59	184	11	1,497	1,748	42	42	340	22	2,194	3,691	
10-11am	832	15	35	126	9	1,017	1,963	53	57	438	31	2,542	3,559	
11-12am	918	25	39	141	9	1,132	1,750	52	47	417	19	2,285	3,417	
12-1pm	895	30	39	175	10	1,149	1,649	60	63	460	20	2,252	3,401	
1-2pm	986	34	43	186	8	1,257	1,699	56	71	503	20	2,349	3,606	
2-3pm	1,136	26	41	159	11	1,373	2,182	39	50	271	10	2,552	3,925	
3-4pm	2,092	53	102	202	6	2,455	1,263	26	30	127	10	1,456	3,911	
4-5pm	2,509	61	70	122	8	2,770	1,205	26	31	141	7	1,410	4,180	
5-6pm	2,469	47	64	87	9	2,676	1,288	25	41	118	3	1,475	4,151	
6-7pm	2,428	34	60	68	7	2,597	1,266	11	52	94	2	1,425	4,022	
7-8pm	2,297	32	63	57	7	2,456	1,291	19	41	77	0	1,428	3,884	
8-9pm	2,189	24	41	44	5	2,303	1,289	14	22	71	2	1,398	3,701	
9-10pm	2,059	34	37	37	5	2,172	1,486	8	10	29	0	1,533	3,705	
10-11pm	2,186	29	27	29	4	2,275	2,378	9	6	24	0	2,417	4,692	
11-12pm	2,450	23	20	26	3	2,522	3,089	5	4	18	1	3,117	5,639	
Totals	36,742	720	922	2,104	155	40,643	40,345	704	819	4,584	280	46,732	87,375	
7-10am	4,057	113	169	498	33	4,870	6,101	145	160	1,100	60	7,566	12,436	
10am-1pm	2,645	70	113	442	28	3,298	5,362	165	167	1,315	70	7,079	10,377	
1-4pm	4,214	113	186	547	25	5,085	5,144	121	151	901	40	6,357	11,442	
4-7pm	7,406	142	194	277	24	8,043	3,759	62	124	353	12	4,310	12,353	
7am-7pm	18,322	438	662	1,764	110	21,296	20,366	493	602	3,669	182	25,312	46,608	
6-10am	5,370	146	206	580	43	6,345	7,943	201	230	1,401	101	9,876	16,221	
3-7pm	9,498	195	296	479	30	10,498	5,022	88	154	480	22	5,766	16,264	
6am-7pm	19,635	471	699	1,846	120	22,771	22,208	549	672	3,970	223	27,622	50,393	

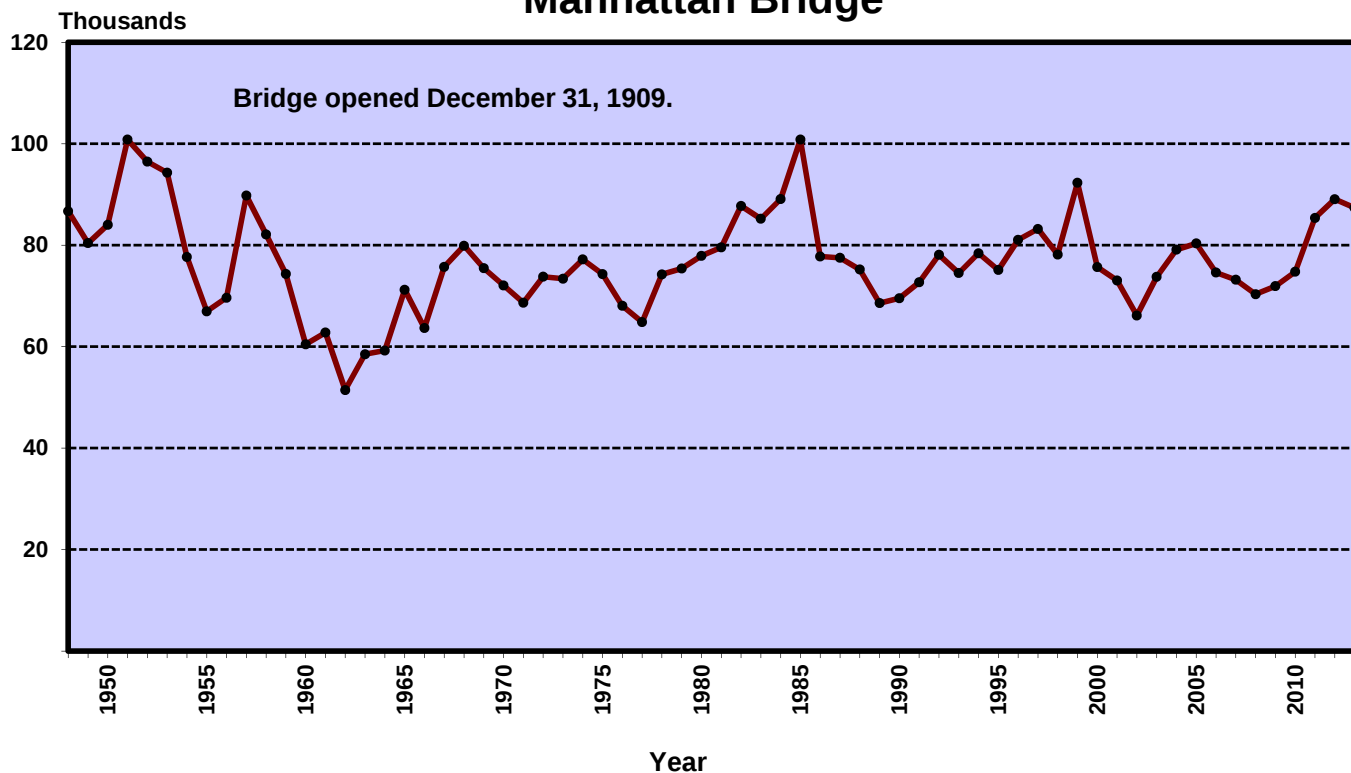
Based on April 2006 Classification Survey Data from New York Metropolitan Transportation Council.

** Peak Volumes

Hourly Vehicular Volumes Manhattan Bridge ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Manhattan Bridge



Hourly Vehicular Volumes

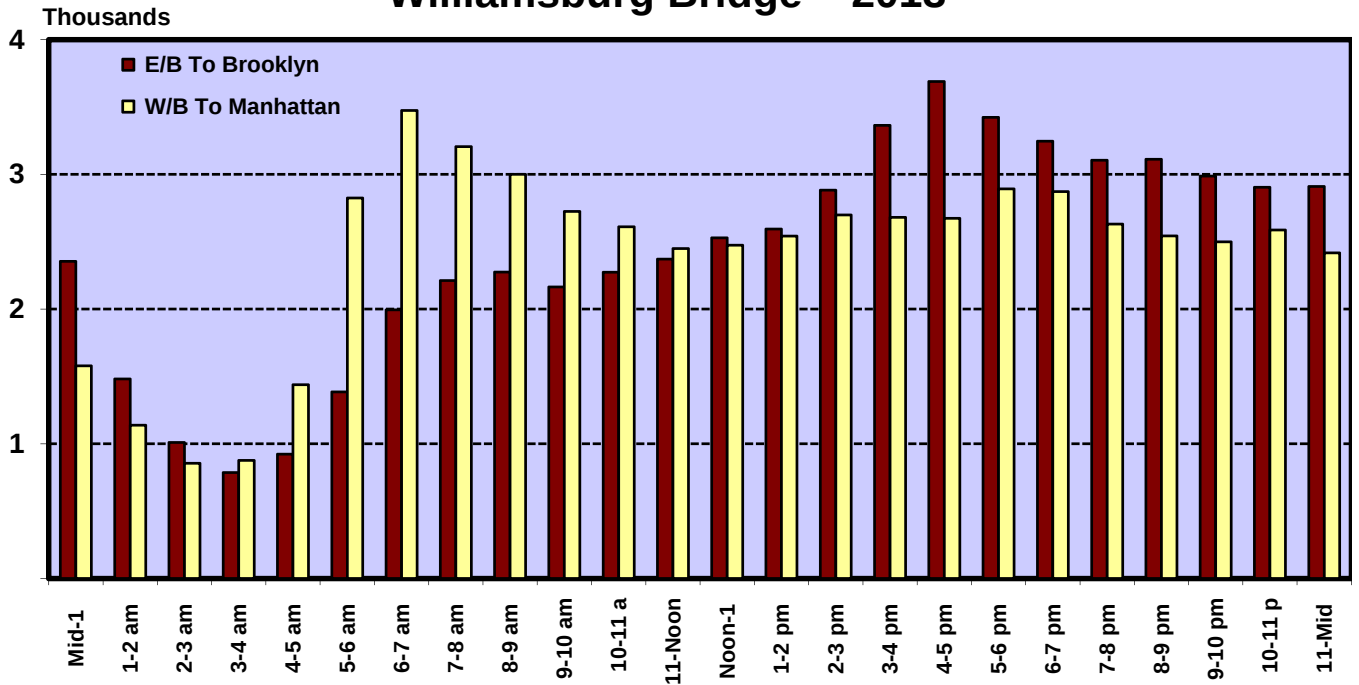
Williamsburg Bridge - 2013

FHWA Classes ▶	Eastbound to Brooklyn							Westbound to Manhattan							2-Way Grand Totals
	Autos, SUVs, Family Vans	Taxis, Liveries, Limos	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	Autos, 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	1,353	928	48	0	23	2	2,354	658	855	38	0	19	9	1,579	3,933
1-2am	643	780	38	1	17	3	1,482	411	670	27	0	26	4	1,138	2,620
2-3am	416	520	45	0	22	7	1,010	287	477	50	1	38	3	856	1,866
3-4am	337	339	39	3	63	6	787	406	337	76	0	48	10	877	1,664
4-5am	459	387	35	2	28	12	923	763	400	166	0	95	15	1,439	2,362
5-6am	829	407	60	7	58	24	1,385	1,680	585	312	11	211	26	2,825	4,210
6-7am	1,516	246	140	8	78	6	1,994	2,354	386	330	106	219	80	3,475	5,469
7-8am	1,696	243	140	26	96	11	2,212	2,206	214	451	59	244	32	3,206	5,418
8-9am	1,766	189	183	34	96	7	2,275	1,977	163	569	17	261	14	3,001	5,276
9-10am	1,505	298	186	41	124	11	2,165	1,691	178	544	5	285	22	2,725	4,890
10-11am	1,450	381	251	30	155	7	2,274	1,716	172	445	14	251	13	2,611	4,885
11-12am	1,488	330	317	15	214	7	2,371	1,613	203	386	10	223	14	2,449	4,820
12-1pm	1,581	339	347	21	235	6	2,529	1,611	237	406	14	186	20	2,474	5,003
1-2pm	1,644	376	317	9	241	8	2,595	1,742	201	345	34	192	28	2,542	5,137
2-3pm	1,847	484	301	17	216	18	2,883	1,861	251	363	45	162	17	2,699	5,582
3-4pm	2,245	317	516	38	220	28	3,364	1,890	268	363	18	131	11	2,681	6,045
4-5pm	2,525	353	528	89	187	7	3,689	1,892	314	328	9	122	9	2,674	6,363
5-6pm	2,580	287	368	30	148	11	3,424	2,079	410	308	2	81	12	2,892	6,316
6-7pm	2,574	315	260	15	74	9	3,247	2,031	518	260	1	55	7	2,872	6,119
7-8pm	2,306	529	169	13	79	9	3,105	1,820	591	167	3	45	5	2,631	5,736
8-9pm	2,132	773	139	6	56	6	3,112	1,668	679	137	3	51	5	2,543	5,655
9-10pm	2,091	744	109	11	26	6	2,987	1,487	866	106	1	35	4	2,499	5,486
10-11pm	1,876	894	98	6	23	7	2,904	1,411	1,010	123	0	39	4	2,587	5,491
11-12pm	1,694	1,110	69	5	31	1	2,910	1,273	1,059	54	0	25	7	2,418	5,328
Totals	38,553	11,569	4,703	427	2,510	219	57,981	36,527	11,044	6,354	353	3,044	371	57,693	115,674
7-10am	4,967	730	509	101	316	29	6,652	5,874	555	1,564	81	790	68	8,932	15,584
10am-1pm	4,519	1,050	915	66	604	20	7,174	4,940	612	1,237	38	660	47	7,534	14,708
1-4pm	5,736	1,177	1,134	64	677	54	8,842	5,493	720	1,071	97	485	56	7,922	16,764
4-7pm	7,679	955	1,156	134	409	27	10,360	6,002	1,242	896	12	258	28	8,438	18,798
7am-7pm	22,901	3,912	3,714	365	2,006	130	33,028	22,309	3,129	4,768	228	2,193	199	32,826	65,854
6-10am	6,483	976	649	109	394	35	8,646	8,228	941	1,894	187	1,009	148	12,407	21,053
3-7pm	9,924	1,272	1,672	172	629	55	13,724	7,892	1,510	1,259	30	389	39	11,119	24,843
6am-7pm	24,417	4,158	3,854	373	2,084	136	35,022	24,663	3,515	5,098	334	2,412	279	36,301	71,323

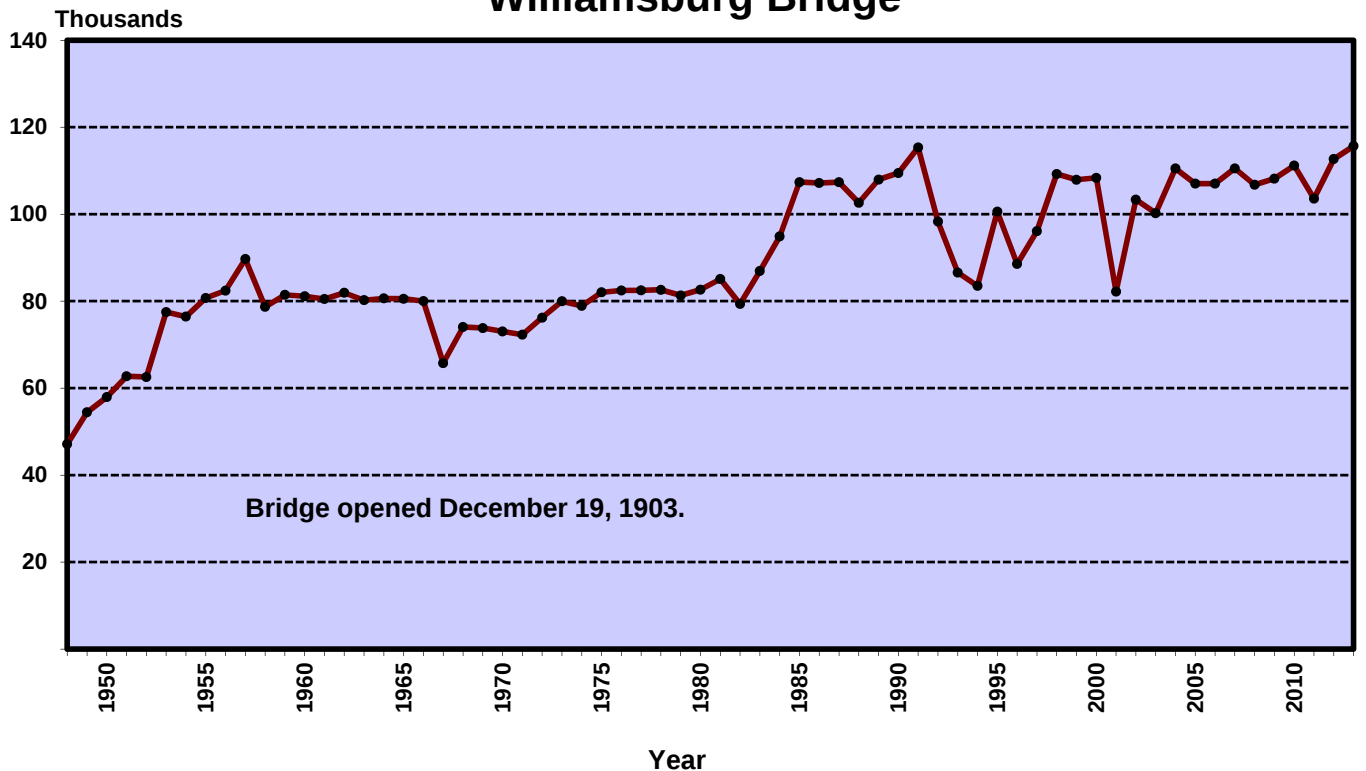
Based on November 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Williamsburg Bridge ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Williamsburg Bridge



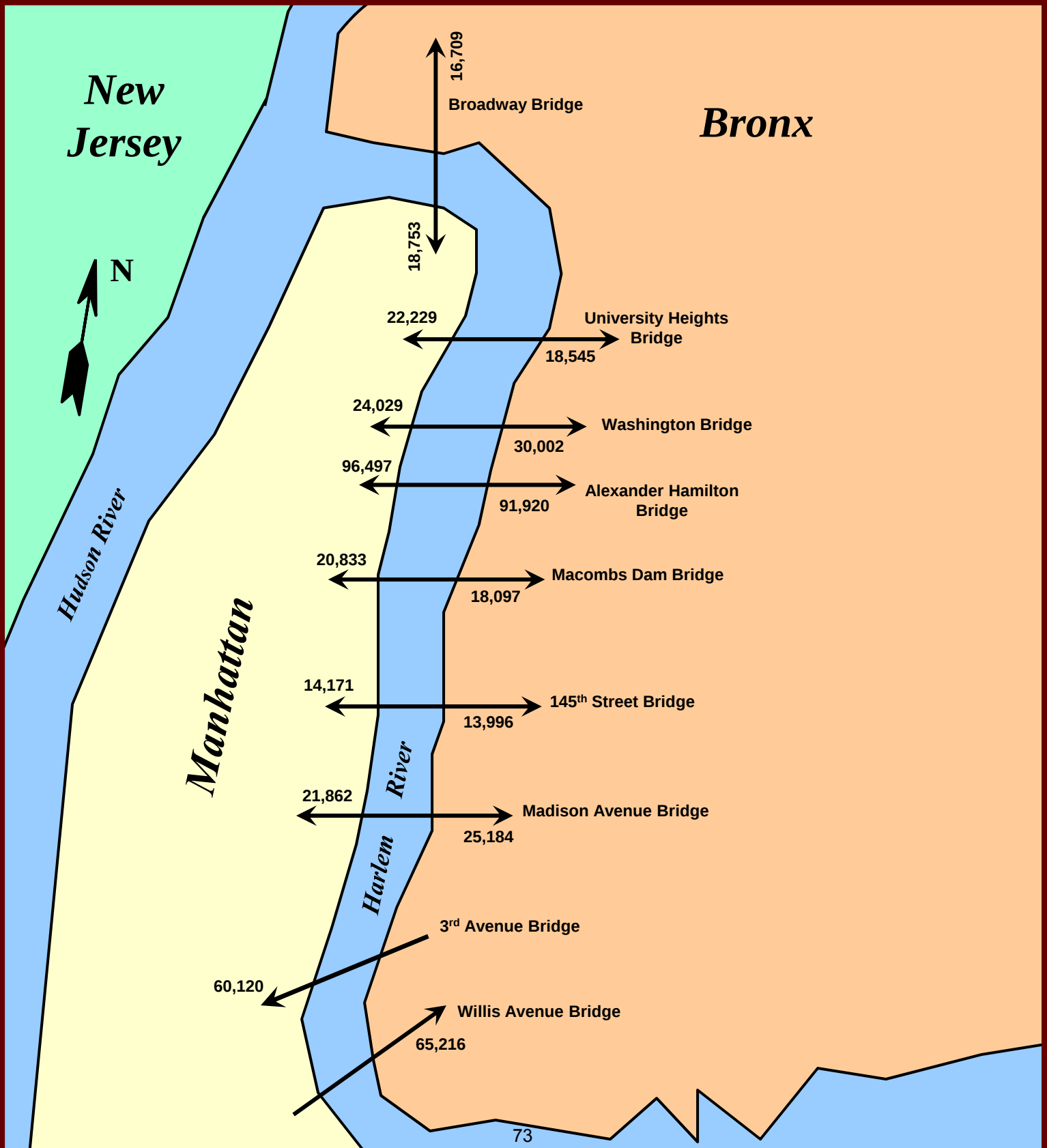
Harlem River Bridges



Broadway Bridge

Harlem River Bridges

2013 Daily Volumes



Harlem River Bridges
Average Daily Traffic Volumes
1948 - 2013

<i>Year</i>	<i>Alexander Hamilton</i>	<i>Broadway</i>	<i>Macombs Dam</i>	<i>Madison Avenue</i>	<i>Third Avenue</i>
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

Harlem River Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2013

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

Hourly Vehicular Volumes

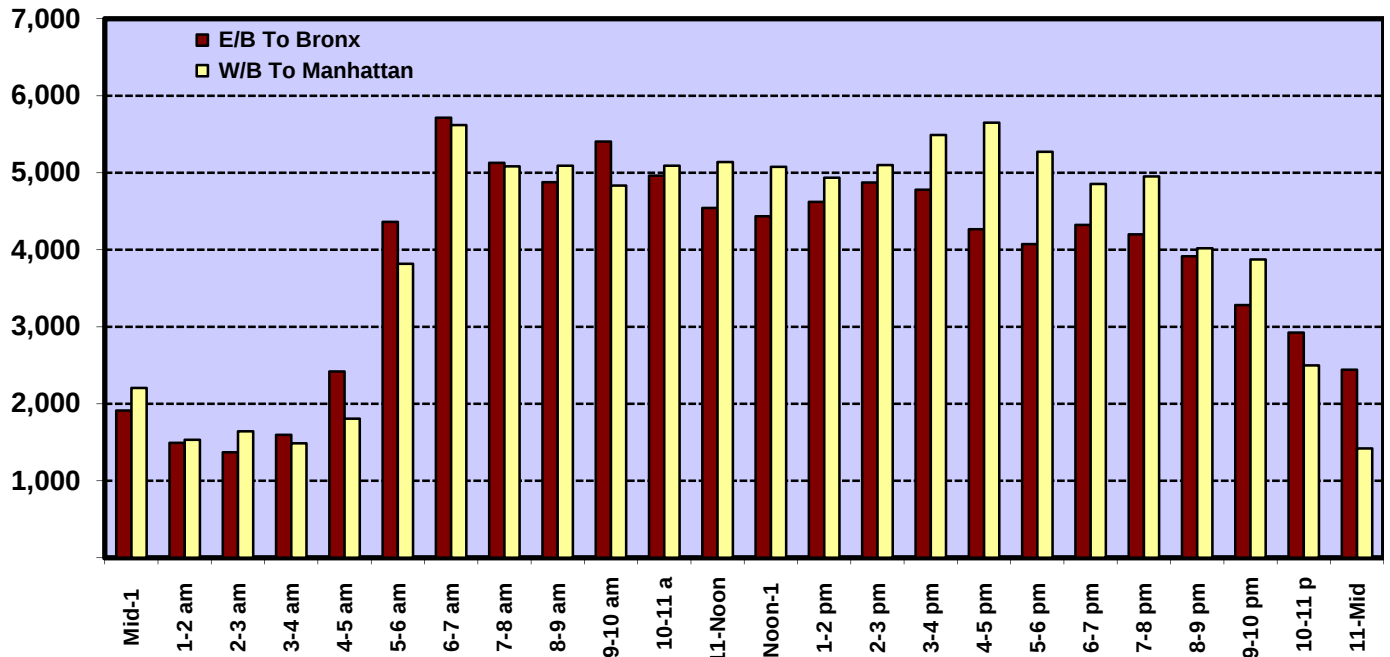
Alexander Hamilton Bridge - 2013

Eastbound to Bronx										Westbound to Manhattan										2-way Grand Totals
FHWA Classes ▶	Commercial Vans, Panel Trucks, Pickups,							Total Vehicles	Commercial Vans, Panel Trucks, Pickups,							Total Vehicles				
	Autos, SUVs, Family Vans	Taxis, Liveries, Limos	2	2 & 3	4	5 - 7	8 - 13		Autos, SUVs, Family Vans	Taxis, Liveries, Limos	2	2 & 3	4	5 - 7	8 - 13					
12-1am	1,373	72	37	4	4	70	357	1,913	1,615	16	60	16	58	441	2,206	4,119				
1-2am	884	62	23	3	3	65	455	1,492	940	23	62	6	66	435	1,532	3,024				
2-3am	653	38	24	0	0	108	548	1,371	806	14	49	3	54	717	1,643	3,014				
3-4am	613	49	36	2	2	207	690	1,597	567	0	45	3	90	782	1,487	3,084				
4-5am	1,196	69	95	0	0	246	814	2,420	917	17	80	0	152	641	1,807	4,227				
5-6am	2,577	25	118	3	3	192	1,447	4,362	2,305	48	137	0	362	966	3,818	8,180				
6-7am	3,994	10	340	1	1	97	1,272	5,714	4,146	44	295	59	206	869	5,619	11,333				
7-8am	3,958	22	299	21	21	352	477	5,129	3,905	65	335	43	281	454	5,083	10,212				
8-9am	3,570	50	322	37	37	439	459	4,877	3,917	43	231	28	334	539	5,092	9,969				
9-10am	3,870	32	425	48	48	464	565	5,404	3,453	40	179	21	442	699	5,092	10,238				
10-11am	3,596	15	320	16	16	507	509	4,963	3,257	34	349	25	533	894	5,092	10,055				
11-12am	3,231	84	291	8	8	451	477	4,542	3,254	31	273	28	426	1,128	5,140	9,682				
12-1pm	3,199	77	271	23	23	398	467	4,435	3,191	47	273	32	475	1,059	5,077	9,512				
1-2pm	3,558	44	279	28	28	326	386	4,621	3,238	36	295	48	364	955	4,936	9,557				
2-3pm	3,932	43	237	23	23	331	307	4,873	3,540	69	267	32	340	851	5,099	9,972				
3-4pm	3,767	70	236	36	36	322	349	4,780	4,068	51	358	16	282	715	5,490	10,270				
4-5pm	3,448	45	219	57	57	252	246	4,267	4,388	37	322	15	263	626	5,651	9,918				
5-6pm	3,291	35	304	20	20	176	248	4,074	4,397	42	185	4	190	453	5,271	9,345				
6-7pm	3,669	8	154	8	8	162	322	4,323	4,216	17	131	2	118	370	4,854	9,177				
7-8pm	3,508	38	126	30	30	160	337	4,199	4,201	22	139	7	125	459	4,953	9,152				
8-9pm	3,285	55	91	9	9	164	311	3,915	3,367	25	125	5	95	403	4,020	7,935				
9-10pm	2,644	71	91	4	4	86	385	3,281	3,220	29	98	0	84	443	3,874	7,155				
10-11pm	2,442	42	60	0	0	47	334	2,925	2,116	27	76	6	57	217	2,499	5,424				
11-12pm	2,083	65	33	0	0	43	219	2,443	1,027	14	45	6	43	285	1,420	3,863				
Totals	68,341	1,121	4,431	381	381	5,665	11,981	91,920	70,051	791	4,409	405	5,440	15,401	96,497	188,417				
7-10am	11,398	104	1,046	106	106	1,255	1,501	15,410	11,275	148	745	92	1,057	1,692	15,009	30,419				
10am-1pm	10,026	176	882	47	47	1,356	1,453	13,940	9,702	112	895	85	1,434	3,081	15,309	29,249				
1-4pm	11,257	157	752	87	87	979	1,042	14,274	10,846	156	920	96	986	2,521	15,525	29,799				
4-7pm	10,408	88	677	85	85	590	816	12,664	13,001	96	638	21	571	1,449	15,776	28,440				
7am-7pm	43,089	525	3,357	325	325	4,180	4,812	56,288	44,824	512	3,198	294	4,048	8,743	61,619	117,907				
6-10am	15,392	114	1,386	107	107	1,352	2,773	21,124	15,421	192	1,040	151	1,263	2,561	20,628	41,752				
3-7pm	14,175	158	913	121	121	912	1,165	17,444	17,069	147	996	37	853	2,164	21,266	38,710				
6am-7pm	47,083	535	3,697	326	326	4,277	6,084	62,002	48,970	556	3,493	353	4,254	9,612	67,238	129,240				

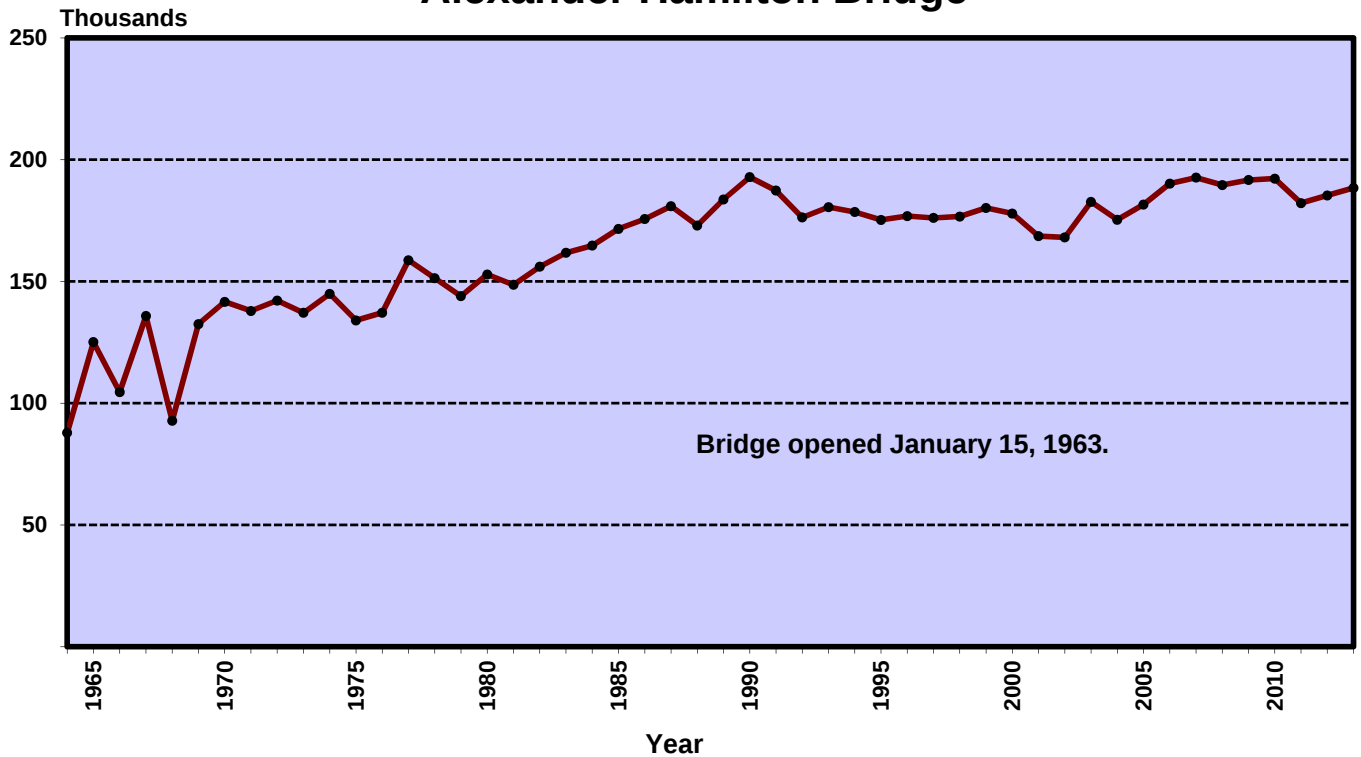
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Alexander Hamilton Bridge ~ 2013



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



Hourly Vehicular Volumes

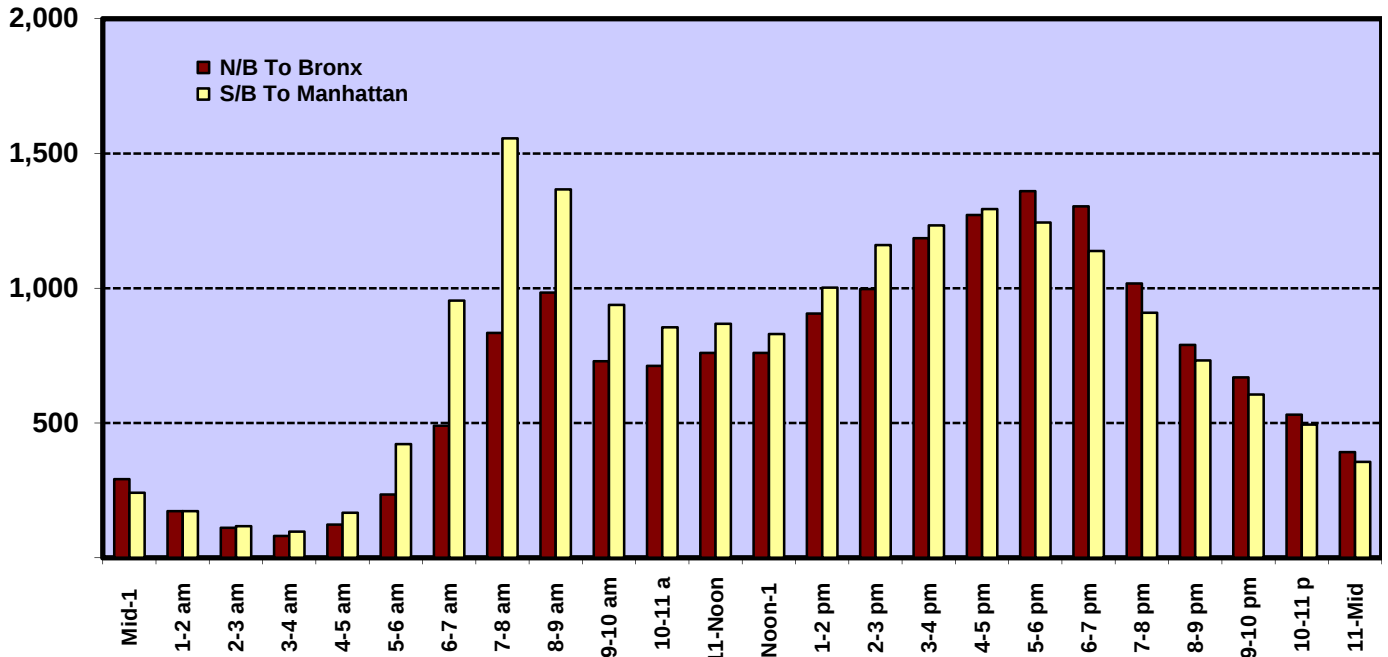
Broadway Bridge - 2013

FHWA Classes ▶	Northbound to Bronx							Southbound to Manhattan							2-way Grand Totals
	Autos, SUVs, Family Vans	Taxis, Liveries, Limos	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	Autos, 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	251	17	8	12	2	2	292	145	73	4	17	2	0	241	533
1-2am	138	17	0	12	5	1	173	97	50	1	22	0	3	173	346
2-3am	96	6	5	1	2	1	111	62	44	4	4	1	2	117	228
3-4am	63	14	3	0	0	1	81	63	23	3	2	4	2	97	178
4-5am	89	11	1	14	4	4	123	116	31	12	1	1	6	167	290
5-6am	136	9	3	54	32	1	235	328	59	20	8	5	2	422	657
6-7am	359	14	13	70	3	31	490	760	87	29	68	9	1	954	1,444
7-8am	695	27	22	61	17	12	834	1,257	178	52	50	14	5	1,556	2,390
8-9am	832	75	22	35	10	10	984	1,059	174	58	47	20	9	1,367	2,351
9-10am	571	57	46	33	18	4	729	679	132	50	39	21	17	938	1,667
10-11am	556	59	45	16	26	10	712	570	170	40	25	22	28	855	1,567
11-12am	608	76	26	19	24	7	760	583	176	66	11	22	10	868	1,628
12-1pm	604	66	35	20	27	8	760	618	123	44	17	20	8	830	1,590
1-2pm	720	56	49	46	34	1	906	698	198	51	24	21	10	1,002	1,908
2-3pm	822	76	30	37	22	10	997	862	162	55	44	30	7	1,160	2,157
3-4pm	1,013	86	28	41	16	2	1,186	923	182	57	51	18	2	1,233	2,419
4-5pm	1,068	119	26	48	10	1	1,272	1,023	167	53	32	19	0	1,294	2,566
5-6pm	1,157	125	39	35	3	1	1,360	1,024	141	41	30	7	1	1,244	2,604
6-7pm	1,204	46	23	29	1	1	1,304	915	153	16	44	8	2	1,138	2,442
7-8pm	932	44	15	15	9	3	1,018	735	107	17	42	7	1	909	1,927
8-9pm	711	42	11	16	9	1	790	519	148	22	34	4	5	732	1,522
9-10pm	603	43	16	3	1	3	669	435	113	11	45	1	1	606	1,275
10-11pm	464	46	12	7	0	2	531	334	115	6	33	3	3	494	1,025
11-12pm	338	32	9	7	5	1	392	235	94	14	11	0	2	356	748
Totals	14,030	1,163	487	631	280	118	16,709	14,040	2,900	726	701	259	127	18,753	35,462
7-10am	2,098	159	90	129	45	26	2,547	2,995	484	160	136	55	31	3,861	6,408
10am-1pm	1,768	201	106	55	77	25	2,232	1,771	469	150	53	64	46	2,553	4,785
1-4pm	2,555	218	107	124	72	13	3,089	2,483	542	163	119	69	19	3,395	6,484
4-7pm	3,429	290	88	112	14	3	3,936	2,962	461	110	106	34	3	3,676	7,612
7am-7pm	9,850	868	391	420	208	67	11,804	10,211	1,956	583	414	222	99	13,485	25,289
6-10am	2,457	173	103	199	48	57	3,037	3,755	571	189	204	64	32	4,815	7,852
3-7pm	4,442	376	116	153	30	5	5,122	3,885	643	167	157	52	5	4,909	10,031
6am-7pm	10,209	882	404	490	211	98	12,294	10,971	2,043	612	482	231	100	14,439	26,733

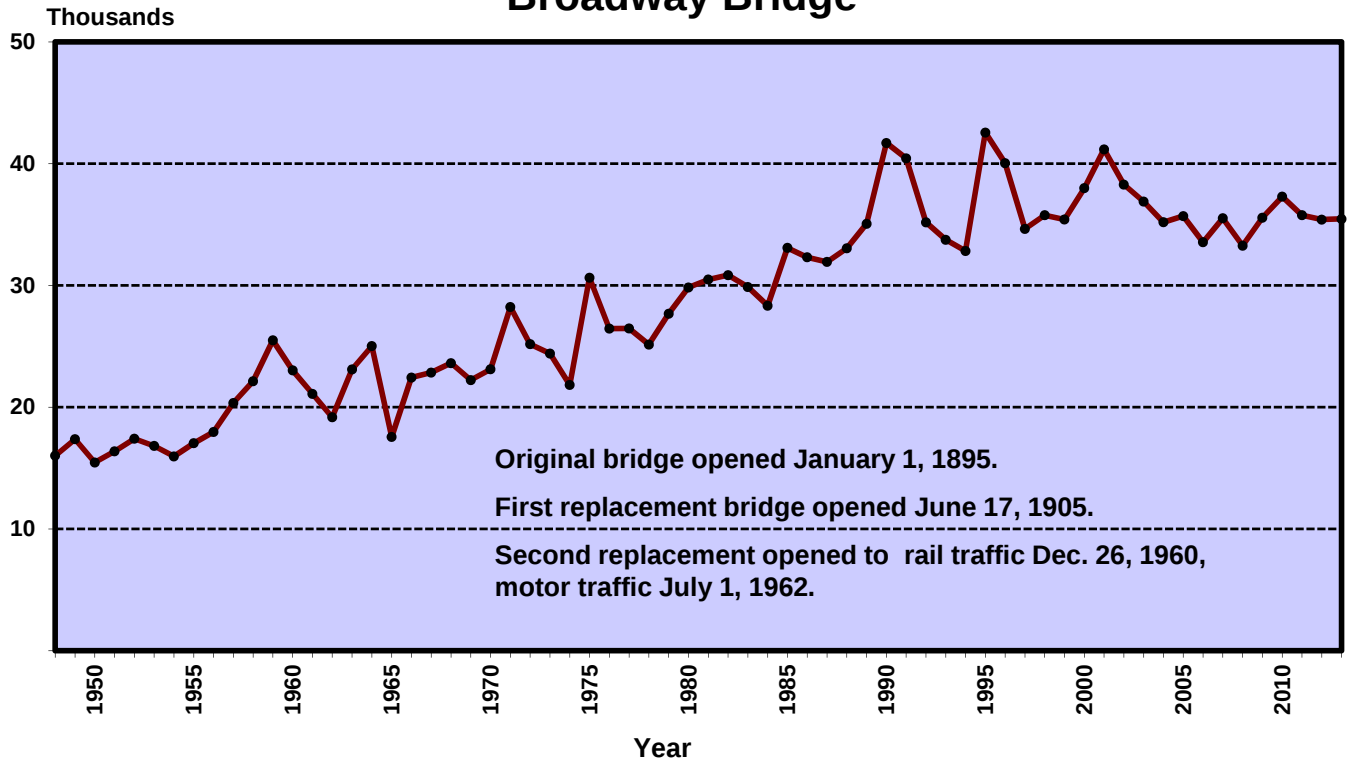
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Broadway Bridge ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Broadway Bridge



Hourly Vehicular Volumes

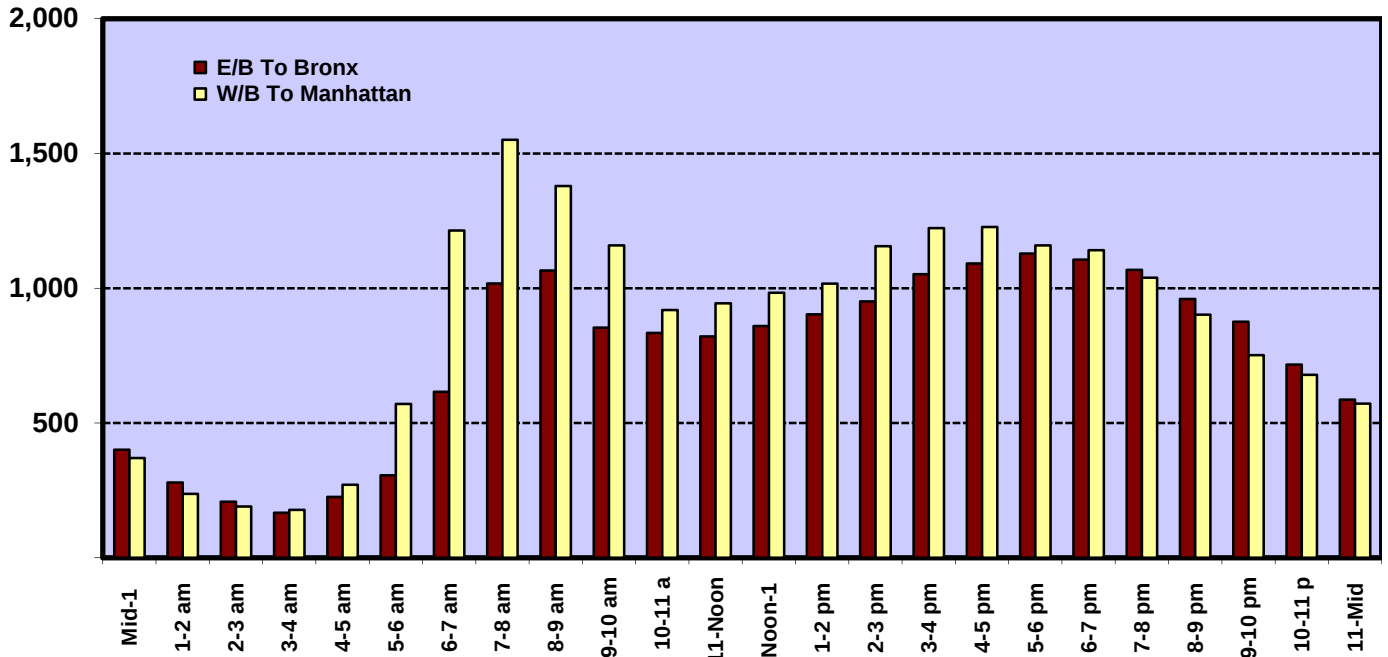
Macombs Dam Bridge - 2013

FHWA Classes ▶	Eastbound to Bronx							Westbound to Manhattan							2-way Grand Totals
	Autos, SUVs, Family Vans	Taxis, Liveries, Limos	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	Autos, 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	325	38	24	4	8	2	401	320	30	14	4	1	1	370	771
1-2am	227	24	17	4	5	2	279	206	18	11	1	0	1	237	516
2-3am	159	29	10	1	8	1	208	155	24	7	2	2	0	190	398
3-4am	126	25	11	1	1	3	167	152	20	3	2	1	0	178	345
4-5am	168	42	7	1	7	1	226	211	23	19	14	3	1	271	497
5-6am	243	45	9	3	1	5	306	419	89	34	18	8	3	571	877
6-7am	483	84	23	7	19	0	616	771	196	120	67	47	13	1,214	1,830
7-8am	832	122	25	20	16	3	1,018	1,090	198	121	89	32	21	1,551	2,569
8-9am	876	88	23	58	16	5	1,066	1,100	112	92	25	43	7	1,379	2,445
9-10am	683	81	42	25	21	2	854	915	96	66	12	63	7	1,159	2,013
10-11am	648	88	49	13	33	3	834	734	66	53	21	39	6	919	1,753
11-12am	616	98	66	8	27	6	821	722	85	81	18	31	7	944	1,765
12-1pm	653	99	70	8	25	5	860	775	90	73	13	21	11	983	1,843
1-2pm	686	108	68	10	28	3	903	767	126	72	21	23	8	1,017	1,920
2-3pm	757	105	54	10	24	1	951	883	139	83	28	20	3	1,156	2,107
3-4pm	870	83	50	17	26	6	1,052	941	127	82	35	34	4	1,223	2,275
4-5pm	922	73	46	25	23	3	1,092	987	96	92	36	15	1	1,227	2,319
5-6pm	904	109	41	33	34	8	1,129	983	87	62	21	6	0	1,159	2,288
6-7pm	904	102	58	12	25	5	1,106	985	79	54	17	6	0	1,141	2,247
7-8pm	874	96	68	9	17	4	1,068	899	74	46	17	2	1	1,039	2,107
8-9pm	800	92	51	5	8	4	960	786	63	41	9	3	0	902	1,862
9-10pm	736	80	47	6	6	1	876	651	63	25	10	3	0	752	1,628
10-11pm	596	65	40	5	6	5	717	582	44	39	9	5	0	679	1,396
11-12pm	489	49	34	3	8	4	587	495	39	24	11	3	0	572	1,159
Totals	14,577	1,825	933	288	392	82	18,097	16,529	1,984	1,314	500	411	95	20,833	38,930
7-10am	2,391	291	90	103	53	10	2,938	3,105	406	279	126	138	35	4,089	7,027
10am-1pm	1,917	285	185	29	85	14	2,515	2,231	241	207	52	91	24	2,846	5,361
1-4pm	2,313	296	172	37	78	10	2,906	2,591	392	237	84	77	15	3,396	6,302
4-7pm	2,730	284	145	70	82	16	3,327	2,955	262	208	74	27	1	3,527	6,854
7am-7pm	9,351	1,156	592	239	298	50	11,686	10,882	1,301	931	336	333	75	13,858	25,544
6-10am	2,874	375	113	110	72	10	3,554	3,876	602	399	193	185	48	5,303	8,857
3-7pm	3,600	367	195	87	108	22	4,379	3,896	389	290	109	61	5	4,750	9,129
6am-7pm	9,834	1,240	615	246	317	50	12,302	11,653	1,497	1,051	403	380	88	15,072	27,374

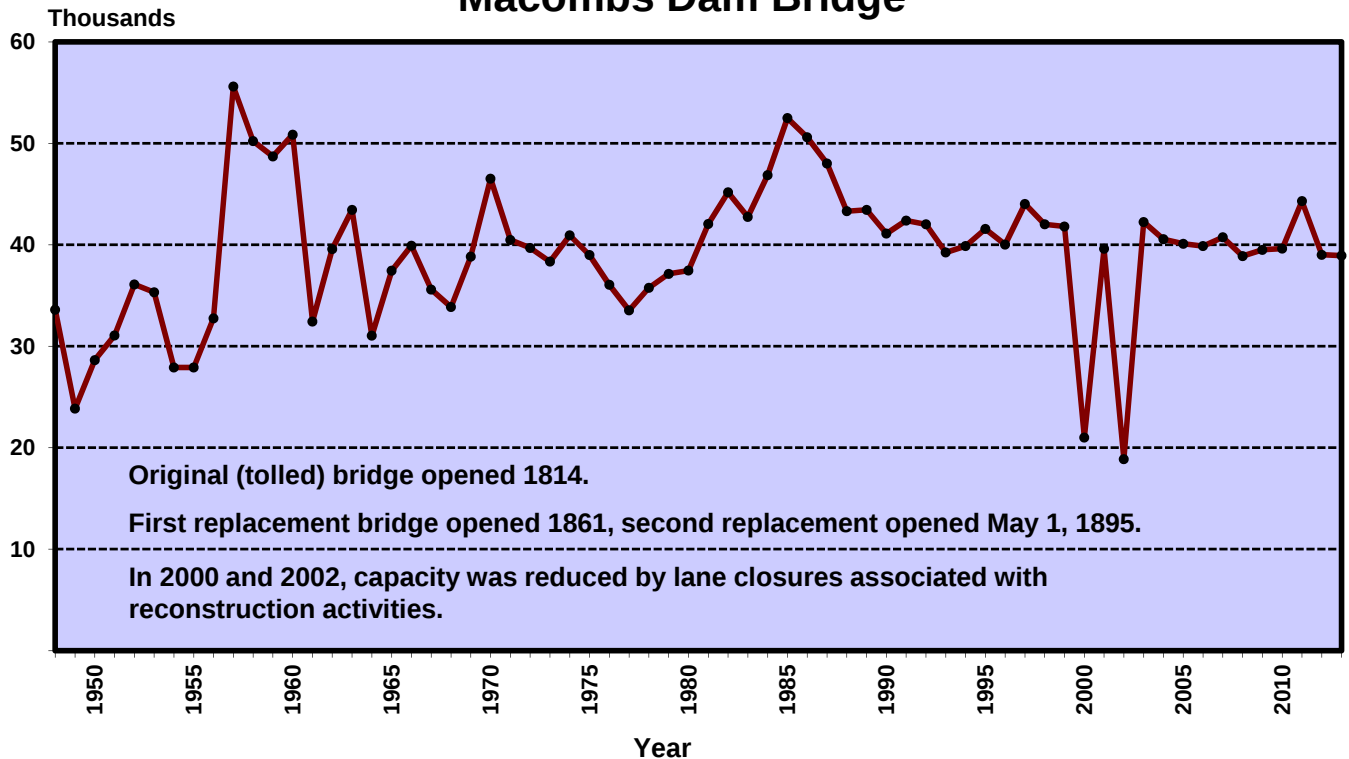
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Macombs Dam Bridge ~ 2013



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



Hourly Vehicular Volumes

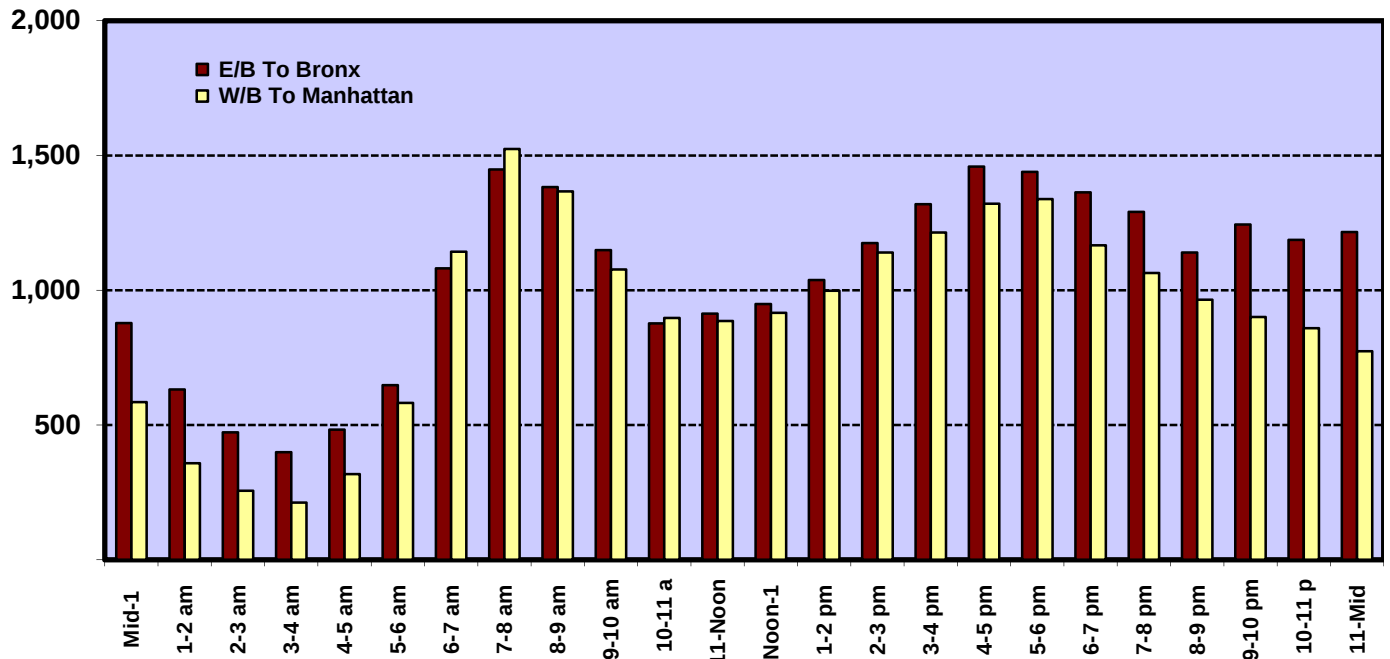
Madison Avenue Bridge - 2013

Westbound 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 SUVs	Vans		Vans		Vehicles		Trucks	Trucks	Trucks			
1, 2, 3	533	24	13	6	9	0	585	1,463					
12-1am	439	142	18	6	27	0	632	729					
1-2am	322	113	11	1	26	0	473	611					
2-3am	260	91	23	1	16	8	399	801					
3-4am	317	98	26	1	28	13	483	1,230					
4-5am	505	67	25	3	48	0	648	1,799					
5-6am	904	72	40	13	52	0	1,081	2,224					
6-7am	1,252	46	33	49	64	4	1,448	2,972					
7-8am	1,069	89	52	123	47	3	1,383	2,750					
8-9am	715	225	97	54	46	12	1,149	2,226					
9-10am	573	133	82	26	62	1	877	1,774					
10-11am	667	87	88	19	49	3	913	1,799					
11-12am	634	114	107	29	63	2	949	1,865					
12-1pm	779	71	90	23	75	0	1,038	2,036					
1-2pm	907	57	113	21	77	0	1,175	2,315					
2-3pm	952	106	140	60	58	3	1,319	2,533					
3-4pm	1,040	181	144	53	38	3	1,459	2,780					
4-5pm	1,217	56	107	34	25	0	1,439	2,777					
5-6pm	1,210	33	61	28	31	0	1,363	2,530					
6-7pm	1,138	60	55	19	18	1	1,291	2,355					
7-8pm	1,012	73	32	13	9	1	1,140	2,105					
8-9pm	1,096	92	35	10	11	0	1,244	2,145					
9-10pm	1,011	124	29	10	12	1	1,187	2,046					
10-11pm	1,049	98	32	15	21	1	1,216	1,990					
11-12pm													
Totals	19,773	2,347	1,464	625	914	61	25,184	47,046					
7-10am	3,036	360	182	226	157	19	3,980	7,948					
10am-1pm	1,874	334	277	74	174	6	2,739	5,438					
1-4pm	2,638	234	343	104	210	3	3,532	6,884					
4-7pm	3,467	270	312	115	94	3	4,261	8,087					
7am-7pm	11,015	1,198	1,114	519	635	31	14,512	28,357					
6-10am	3,940	432	222	239	209	19	5,061	10,172					
3-7pm	4,419	376	452	175	152	6	5,580	10,620					
6am-7pm	11,919	1,270	1,154	532	687	31	15,593	30,581					

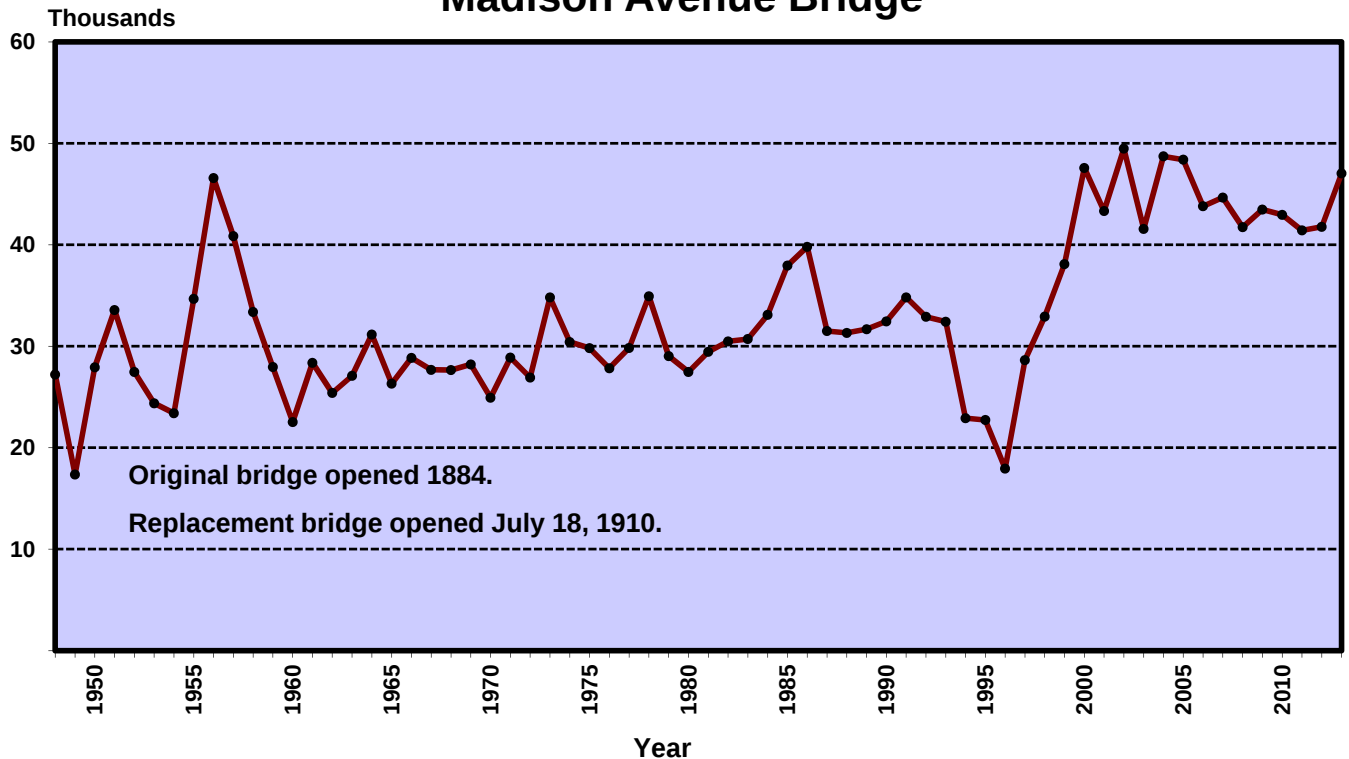
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Madison Avenue Bridge ~ 2013



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

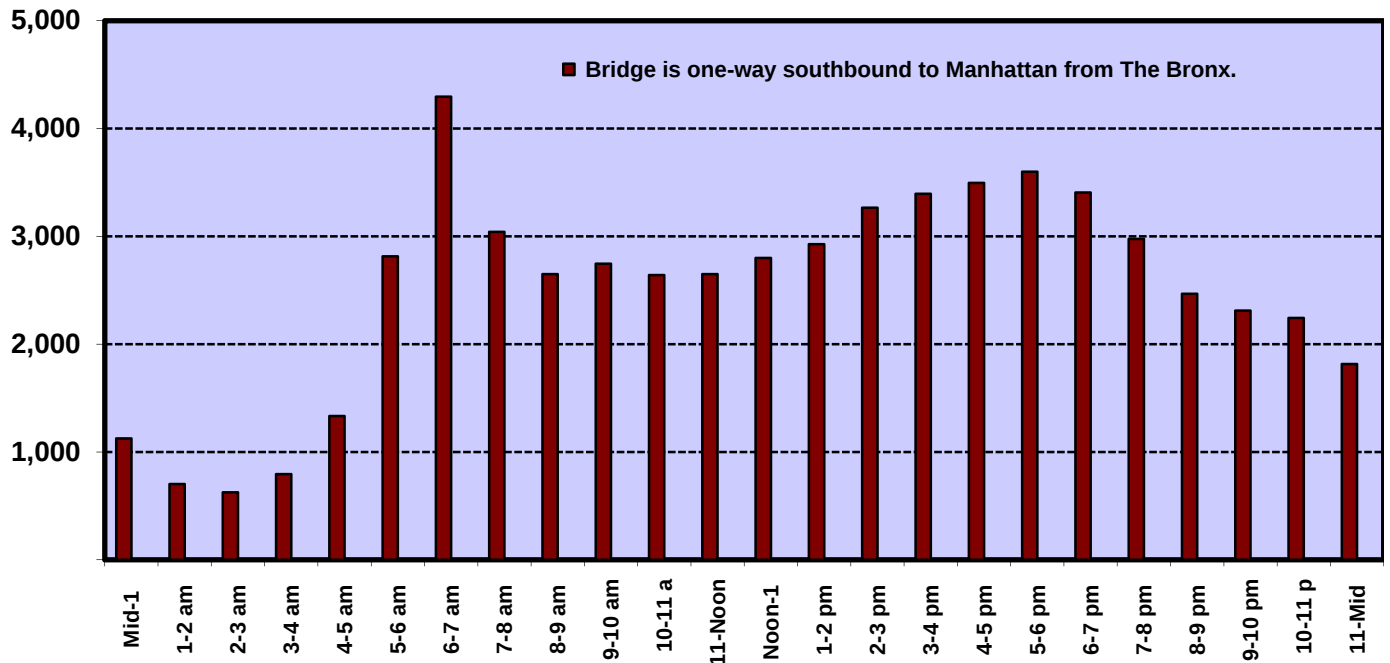


Third Avenue Bridge - 2013

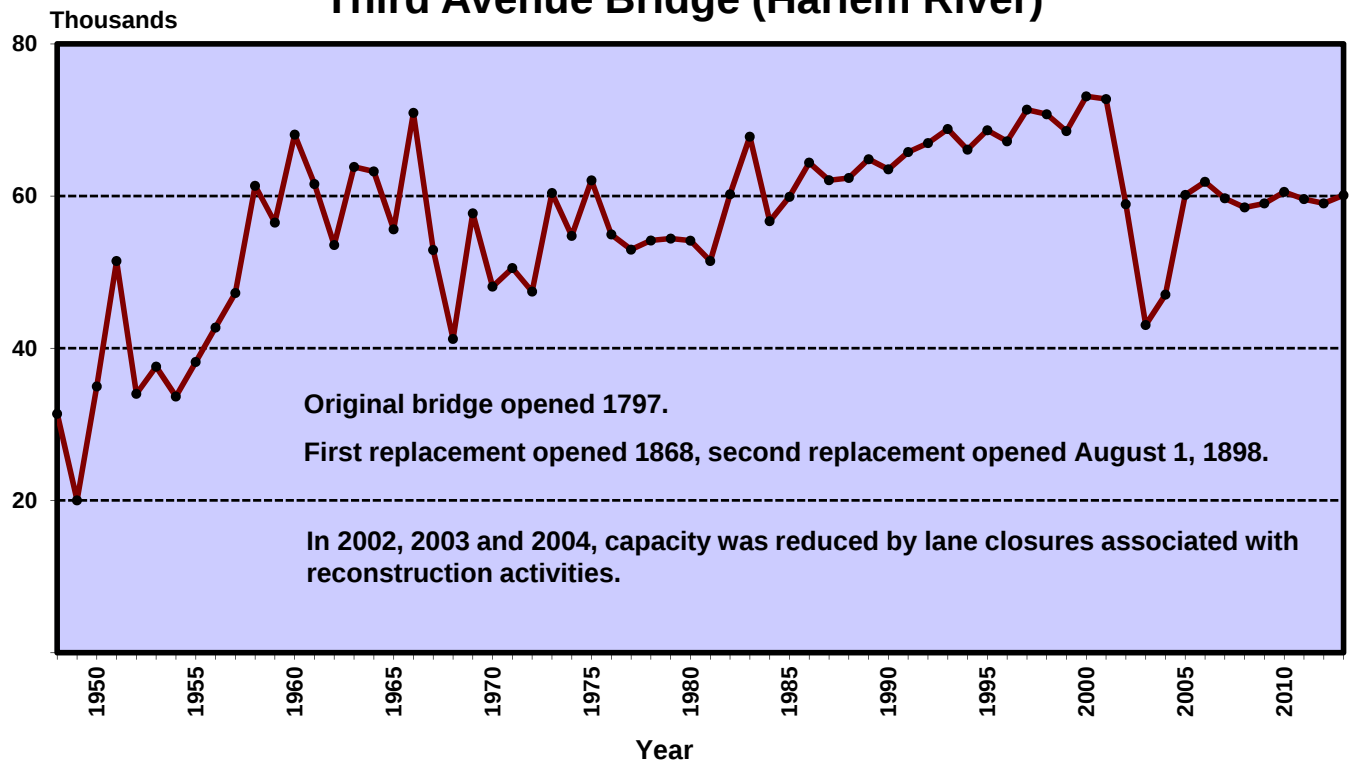
Based on October 2013 Classification Survey Data.

84

Hourly Vehicular Volumes Third Avenue Bridge (Harlem River) ~ 2013



Average Daily Traffic Volumes Third Avenue Bridge (Harlem River)



Hourly Vehicular Volumes

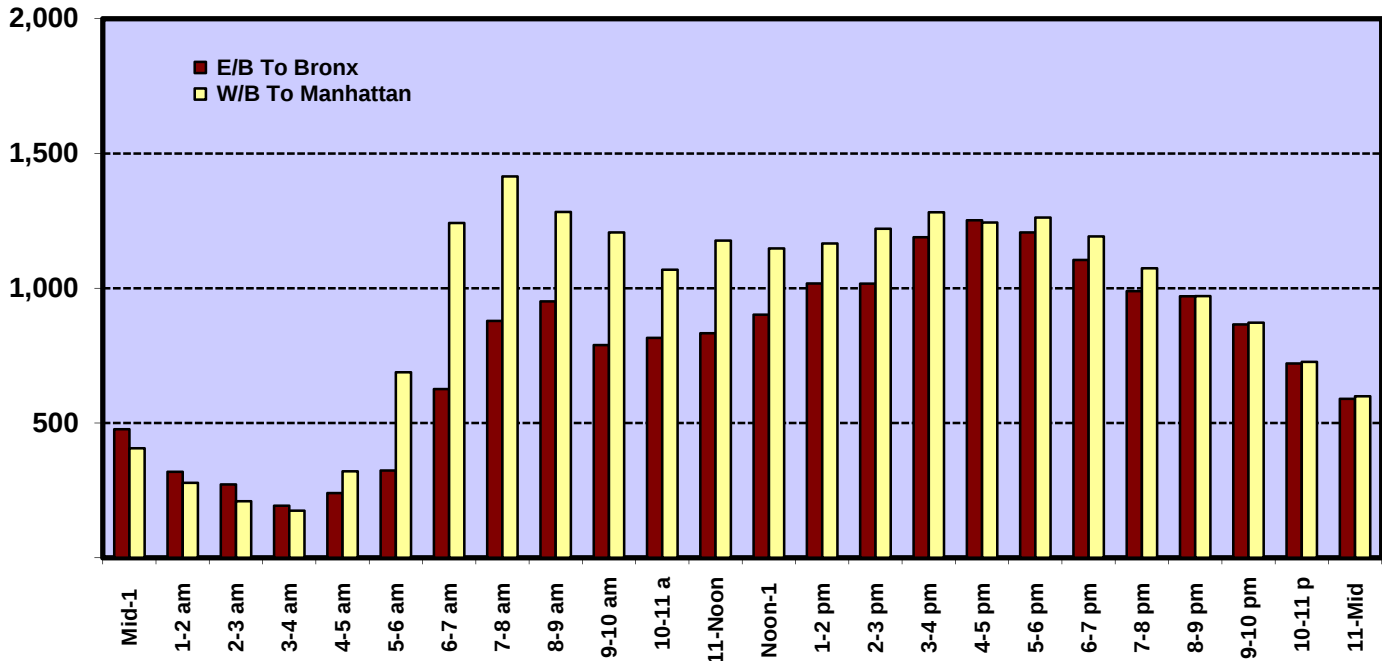
University Heights Bridge - 2013

FHWA Classes ▶	Eastbound to Bronx							Westbound to Manhattan							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	404	53	5	5	9	1	477	350	36	6	6	8	0	406	883
1-2am	286	21	8	2	2	0	319	214	46	9	1	8	0	278	597
2-3am	242	19	3	3	5	0	272	151	32	9	2	16	0	210	482
3-4am	155	17	7	2	11	1	193	161	4	2	4	4	0	175	368
4-5am	198	10	18	3	5	6	240	277	21	9	1	13	0	321	561
5-6am	277	19	14	4	8	2	324	580	46	36	8	16	2	688	1,012
6-7am	478	51	18	19	59	1	626	996	74	80	66	24	2	1,242	1,868
7-8am	710	55	40	31	38	5	879	1,190	60	58	54	51	2	1,415	2,294
8-9am	738	80	65	36	27	5	951	1,054	81	77	21	47	3	1,283	2,234
9-10am	541	103	63	21	59	2	789	883	117	104	28	64	11	1,207	1,996
10-11am	592	84	94	18	24	4	816	804	110	75	14	64	2	1,069	1,885
11-12am	639	67	53	15	50	9	833	958	58	69	22	62	8	1,177	2,010
12-1pm	675	84	63	17	58	5	902	927	68	61	27	60	5	1,148	2,050
1-2pm	806	67	84	21	29	11	1,018	904	105	74	36	46	1	1,166	2,184
2-3pm	796	97	57	22	33	12	1,017	964	122	64	26	44	1	1,221	2,238
3-4pm	933	96	90	37	32	1	1,189	1,084	66	53	36	41	2	1,282	2,471
4-5pm	1,007	86	78	53	27	1	1,252	1,027	90	60	25	41	1	1,244	2,496
5-6pm	974	125	63	24	17	4	1,207	1,038	114	71	19	20	0	1,262	2,469
6-7pm	949	91	35	8	20	2	1,105	1,009	110	36	16	21	0	1,192	2,297
7-8pm	765	141	51	19	11	2	989	878	129	37	14	16	0	1,074	2,063
8-9pm	791	123	30	13	12	1	970	806	105	34	12	13	1	971	1,941
9-10pm	777	53	22	10	4	0	866	745	90	20	11	6	0	872	1,738
10-11pm	617	72	19	7	6	0	721	606	93	12	8	7	1	727	1,448
11-12pm	513	58	9	6	3	1	590	498	68	16	4	12	1	599	1,189
Totals	14,863	1,672	989	396	549	76	18,545	18,104	1,845	1,072	461	704	43	22,229	40,774
7-10am	1,989	238	168	88	124	12	2,619	3,127	258	239	103	162	16	3,905	6,524
10am-1pm	1,906	235	210	50	132	18	2,551	2,689	236	205	63	186	15	3,394	5,945
1-4pm	2,535	260	231	80	94	24	3,224	2,952	293	191	98	131	4	3,669	6,893
4-7pm	2,930	302	176	85	64	7	3,564	3,074	314	167	60	82	1	3,698	7,262
7am-7pm	9,360	1,035	785	303	414	61	11,958	11,842	1,101	802	324	561	36	14,666	26,624
6-10am	2,467	289	186	107	183	13	3,245	4,123	332	319	169	186	18	5,147	8,392
3-7pm	3,863	398	266	122	96	8	4,753	4,158	380	220	96	123	3	4,980	9,733
6am-7pm	9,838	1,086	803	322	473	62	12,584	12,838	1,175	882	390	585	38	15,908	28,492

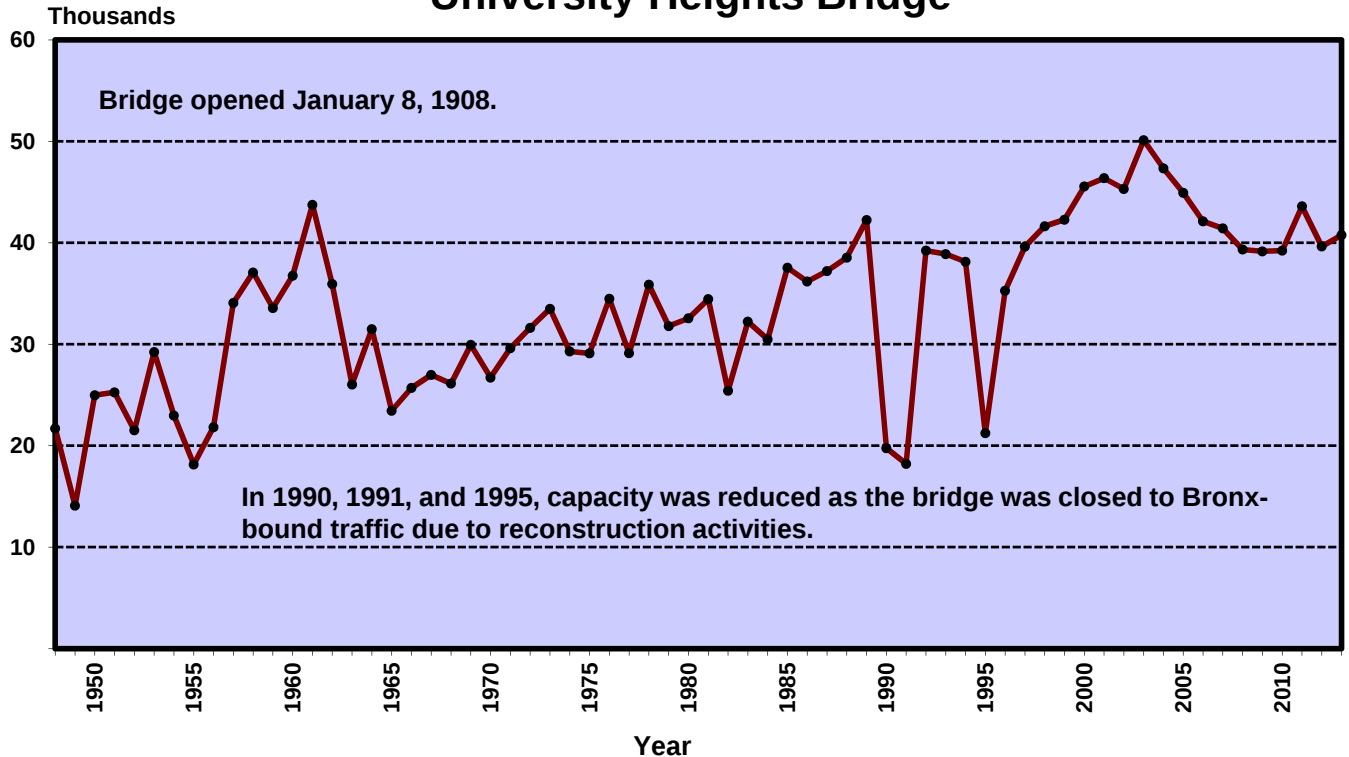
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes University Heights Bridge ~ 2013



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



Hourly Vehicular Volumes

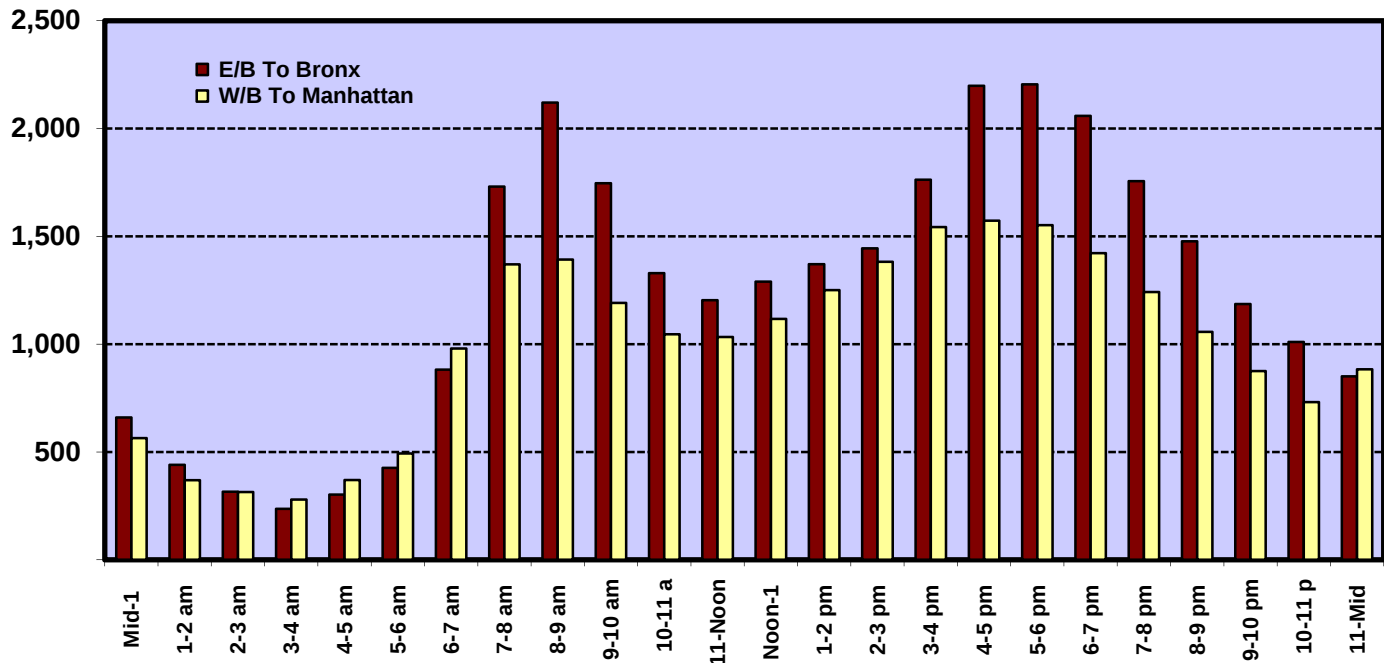
Washington Bridge - 2013

	Eastbound to Bronx						Westbound to Manhattan						2-Way Totals
	Commuter			Commercial			Commuter			Commercial			
	Autos	Buses	Vans	Trucks	Vans	Totals	Autos	Buses	Vans	Trucks	Vans	Totals	
12-1am	---	---	---	---	---	660	---	---	---	---	---	564	1,224
1-2am	---	---	---	---	---	440	---	---	---	---	---	369	809
2-3am	---	---	---	---	---	316	---	---	---	---	---	314	630
3-4am	---	---	---	---	---	236	---	---	---	---	---	279	515
4-5am	---	---	---	---	---	302	---	---	---	---	---	370	672
5-6am	---	---	---	---	---	426	---	---	---	---	---	493	919
6-7am	---	---	---	---	---	882	---	---	---	---	---	980	1,862
7-8am	1,482	57	32	51	109	1,731	1,157	54	103	33	23	1,370	3,101
8-9am	1,776	54	32	95	163	2,120	1,173	64	72	54	29	1,392	3,512
9-10am	1,445	47	31	114	109	1,746	1,035	36	52	40	28	1,191	2,937
10-11am	1,207	36	8	33	45	1,329	954	34	10	26	22	1,046	2,375
11-12am	1,041	25	15	57	66	1,204	901	43	27	28	34	1,033	2,237
12-1pm	1,155	39	17	23	56	1,290	1,046	27	9	20	15	1,117	2,407
1-2pm	1,255	31	5	32	48	1,371	1,171	30	17	19	14	1,251	2,622
2-3pm	1,257	31	23	61	72	1,444	1,193	56	42	51	40	1,382	2,826
3-4pm	1,602	38	11	31	81	1,763	1,393	43	43	43	21	1,543	3,306
4-5pm	1,829	44	55	67	203	2,198	1,338	38	68	83	46	1,573 **	3,771 **
5-6pm	1,970	37	55	39	104	2,205 **	1,409	28	43	32	40	1,552	3,757
6-7pm	1,891	24	34	26	84	2,059	1,288	35	52	18	29	1,422	3,481
7-8pm	---	---	---	---	---	1,756	---	---	---	---	---	1,242	2,998
8-9pm	---	---	---	---	---	1,477	---	---	---	---	---	1,057	2,534
9-10pm	---	---	---	---	---	1,186	---	---	---	---	---	875	2,061
10-11pm	---	---	---	---	---	1,010	---	---	---	---	---	731	1,741
11-12pm	---	---	---	---	---	851	---	---	---	---	---	883	1,734
Totals	---	---	---	---	---	30,002	---	---	---	---	---	24,029	54,031
7-10am	4,703	158	95	260	381	5,597	3,365	154	227	127	80	3,953	9,550
10am-1pm	3,403	100	40	113	167	3,823	2,901	104	46	74	71	3,196	7,019
1-4pm	4,114	100	39	124	201	4,578	3,757	129	102	113	75	4,176	8,754
4-7pm	5,690	105	144	132	391	6,462	4,035	101	163	133	115	4,547	11,009
7am-7pm	17,910	463	318	629	1,140	20,460	14,058	488	538	447	341	15,872	36,332
6-10am	---	---	---	---	---	6,479	---	---	---	---	---	4,933	11,412
3-7pm	7,292	143	155	163	472	8,225	5,428	144	206	176	136	6,090	14,315
6am-7pm	---	---	---	---	---	21,342	---	---	---	---	---	16,852	38,194

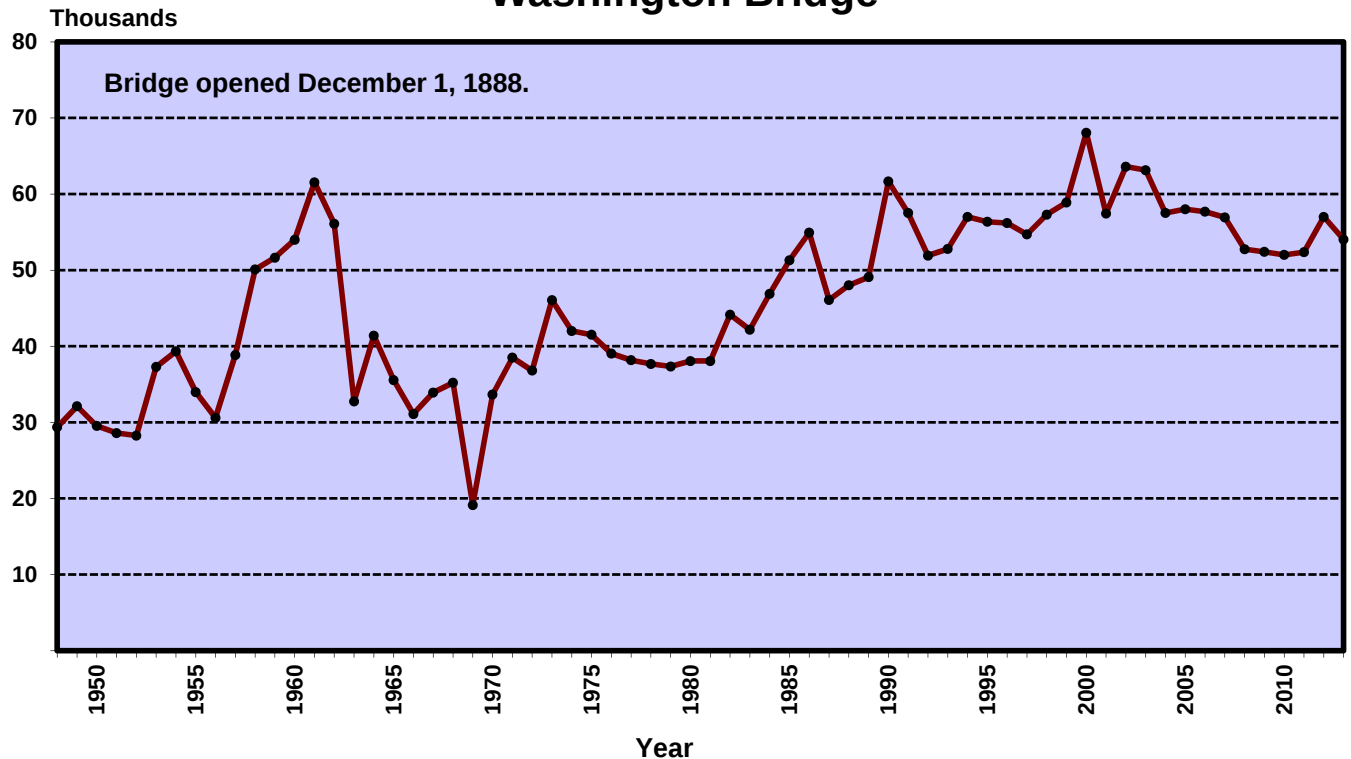
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Washington Bridge ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Washington Bridge

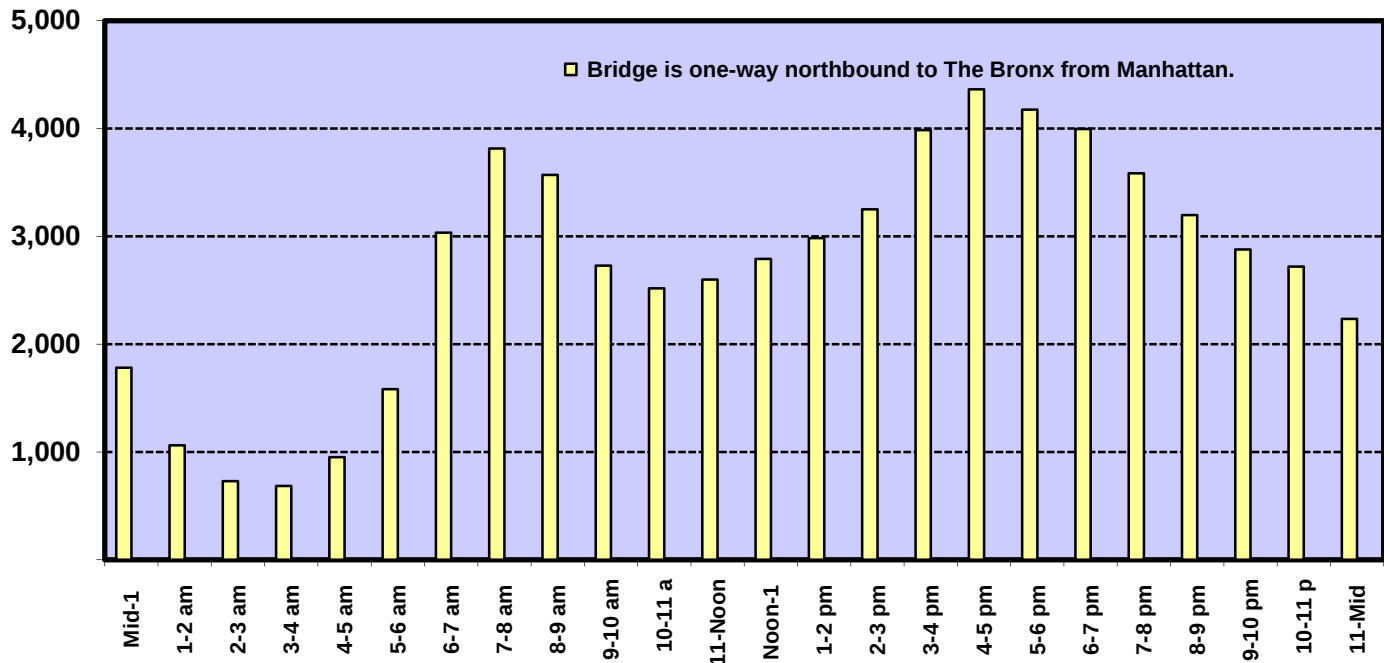


Willis Avenue Bridge - 2013

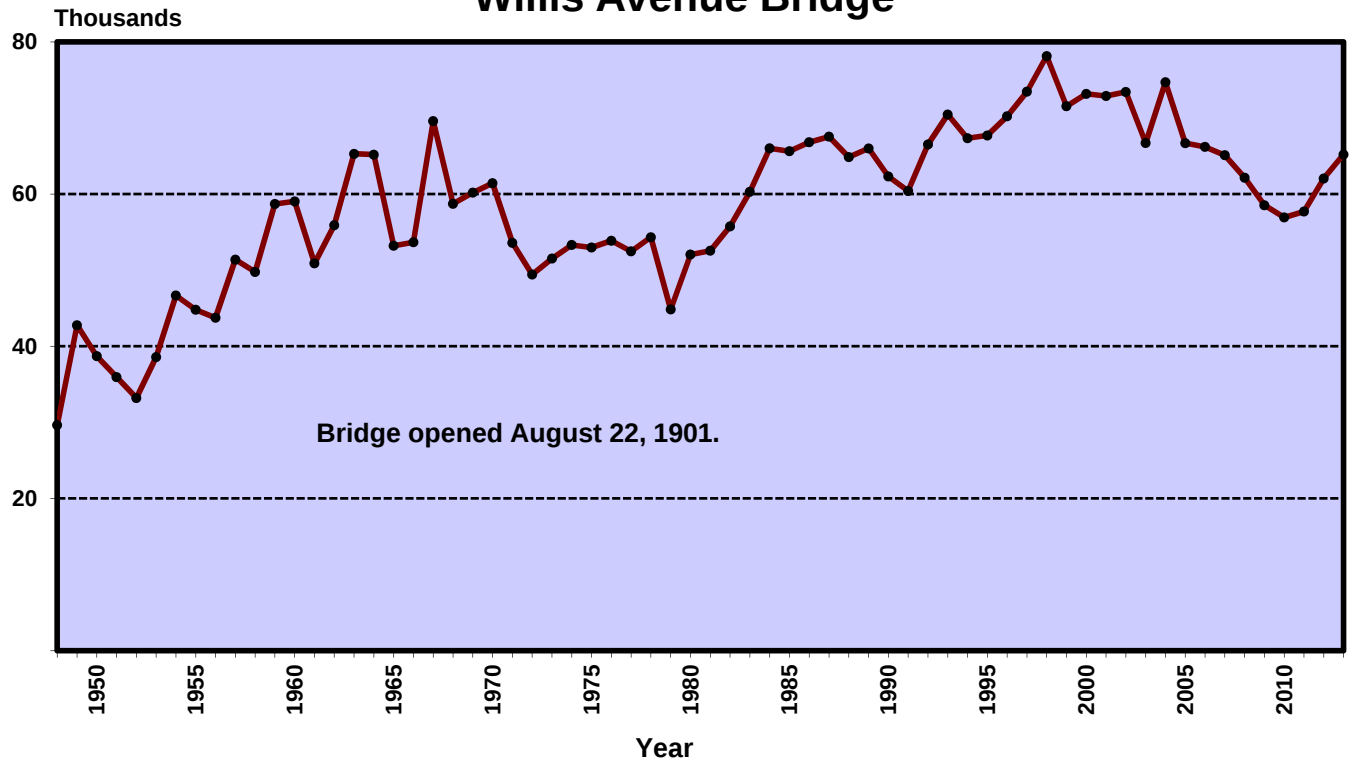
Based on October 2013 Classification Survey Data.

90

Hourly Vehicular Volumes Willis Avenue Bridge ~ 2013



Average Daily Traffic Volumes Willis Avenue Bridge



Hourly Vehicular Volumes

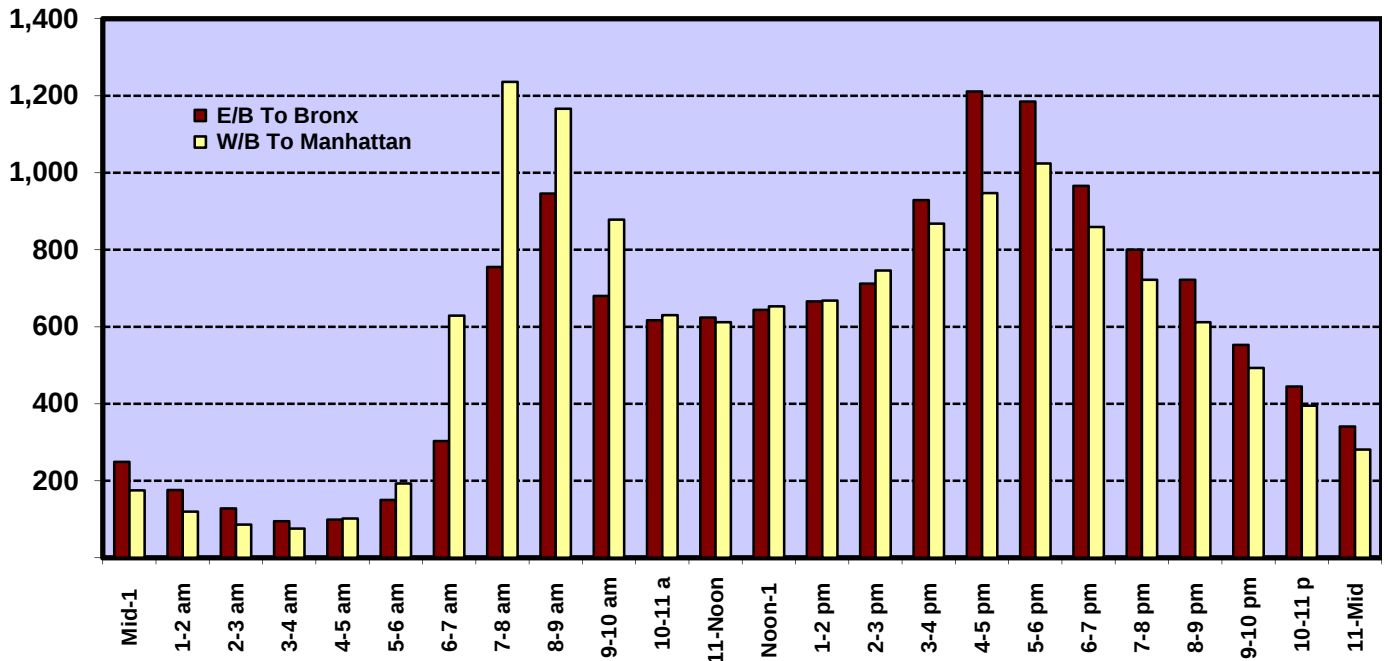
145th Street Bridge - 2013

FHWA Classes ▶	Eastbound to Bronx							Westbound to Manhattan							2-way Grand Totals
	Autos, SUVs, Family Vans	Taxis, Liveries, Limos	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	Autos, 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	169	67	5	7	0	1	249	113	51	4	5	2	0	175	424
1-2am	75	87	8	4	1	1	176	62	55	1	1	1	0	120	296
2-3am	52	69	0	3	4	0	128	32	51	1	0	2	0	86	214
3-4am	41	45	1	1	4	3	95	33	34	4	3	1	1	76	171
4-5am	42	40	11	2	2	2	99	46	34	12	3	5	2	102	201
5-6am	92	43	5	3	7	0	150	128	39	7	7	10	2	193	343
6-7am	211	58	11	17	5	1	303	319	109	34	95	64	8	629	932
7-8am	541	156	26	21	10	1	755	760	253	90	65	46	22	1,236	1,991
8-9am	639	165	50	68	21	3	946	692	237	153	18	45	21	1,166	2,112
9-10am	388	207	34	19	28	4	680	537	180	85	17	53	6	878	1,558
10-11am	342	180	48	12	33	2	617	378	135	64	18	31	4	630	1,247
11-12am	365	150	61	12	30	6	624	367	147	57	11	23	7	612	1,236
12-1pm	352	150	77	12	46	7	644	424	116	78	14	14	7	653	1,297
1-2pm	402	129	66	15	52	2	666	415	127	59	21	41	5	668	1,334
2-3pm	425	161	61	13	49	3	712	521	112	43	41	25	4	746	1,458
3-4pm	586	184	67	58	33	1	929	674	106	44	36	6	2	868	1,797
4-5pm	728	198	121	122	37	5	1,211	799	89	28	24	5	2	947	2,158
5-6pm	824	233	65	31	31	1	1,185	801	166	27	13	16	1	1,024	2,209
6-7pm	812	72	44	11	24	3	966	652	167	17	9	13	1	859	1,825
7-8pm	661	81	37	11	9	1	800	599	89	19	8	5	2	722	1,522
8-9pm	627	40	30	12	13	0	722	498	88	12	6	5	3	612	1,334
9-10pm	357	173	15	6	2	0	553	370	94	14	8	6	1	493	1,046
10-11pm	287	134	12	7	5	0	445	292	82	9	6	5	1	395	840
11-12pm	227	91	11	6	6	0	341	220	49	6	2	1	3	281	622
Totals	9,245	2,913	866	473	452	47	13,996	9,732	2,610	868	431	425	105	14,171	28,167
7-10am	1,568	528	110	108	59	8	2,381	1,989	670	328	100	144	49	3,280	5,661
10am-1pm	1,059	480	186	36	109	15	1,895	1,169	398	199	43	68	18	1,895	3,780
1-4pm	1,413	474	194	86	134	6	2,307	1,610	345	146	98	72	11	2,282	4,589
4-7pm	2,364	503	230	164	92	9	3,362	2,252	422	72	46	34	4	2,830	6,192
7am-7pm	6,404	1,985	720	394	394	38	9,935	7,020	1,835	745	287	318	82	10,287	20,222
6-10am	1,779	586	121	125	64	9	2,684	2,308	779	362	195	208	57	3,909	6,593
3-7pm	2,950	687	297	222	125	10	4,291	2,926	528	116	82	40	6	3,698	7,989
6am-7pm	6,615	2,043	731	411	399	39	10,238	7,339	1,944	779	382	382	90	10,916	21,154

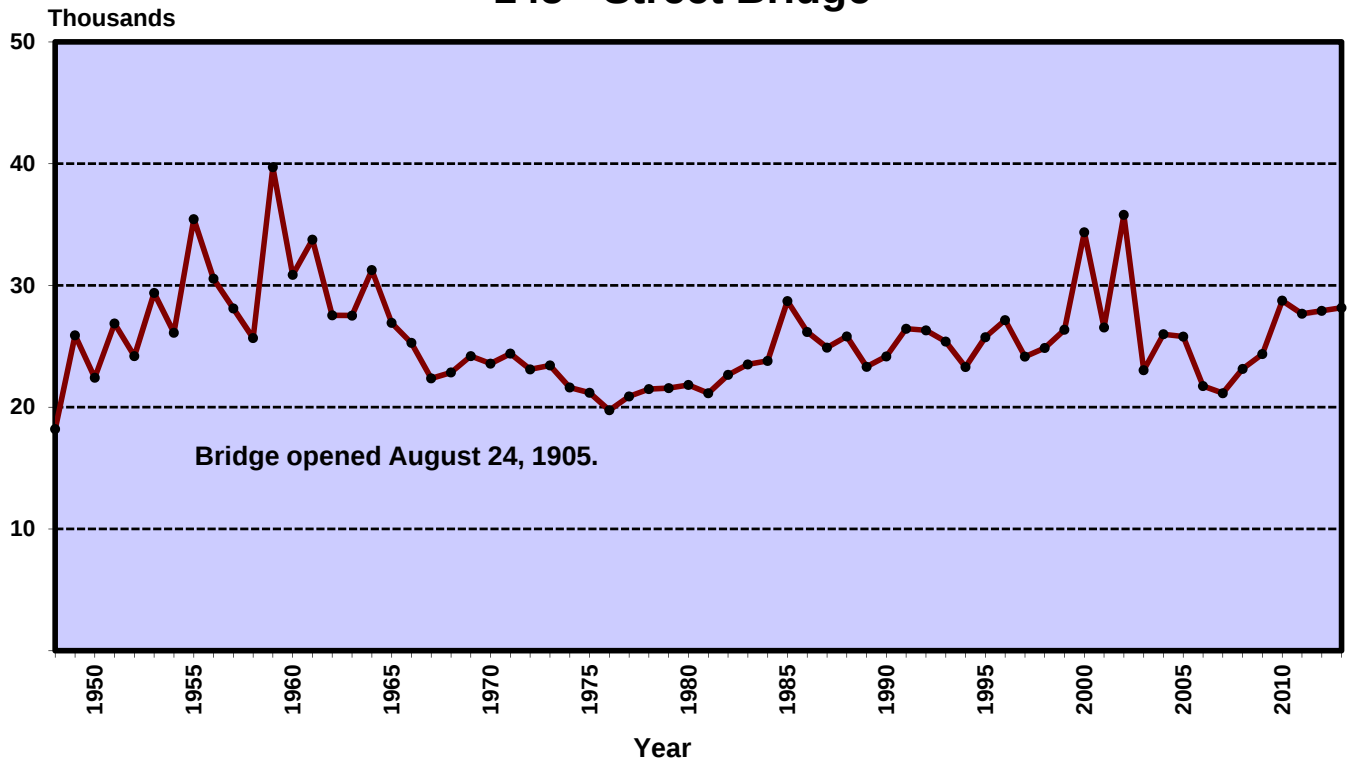
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes 145th Street Bridge ~ 2013



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



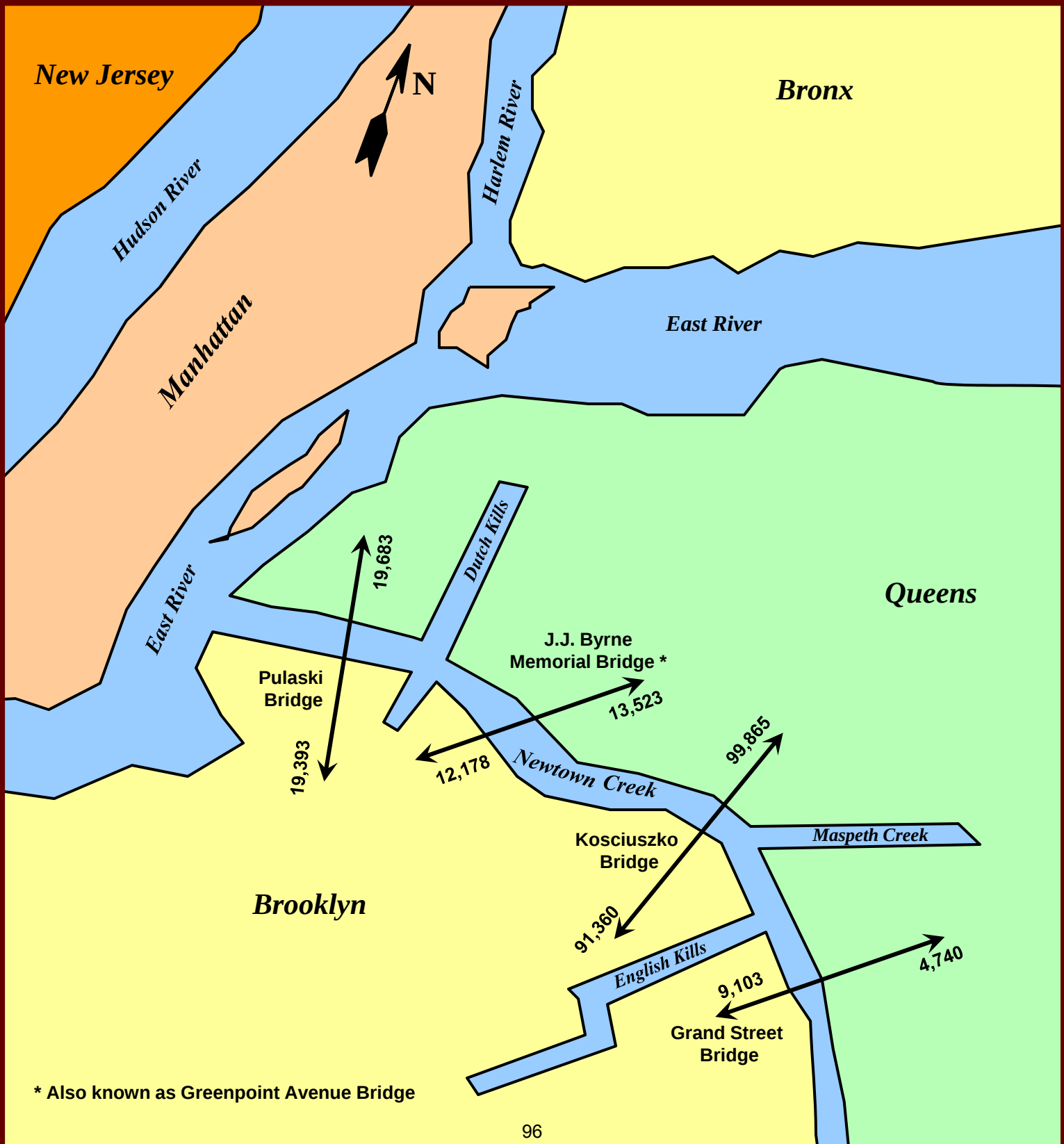
Brooklyn-Queens Bridges



Kosciuszko Bridge

Brooklyn-Queens Bridges

2013 Daily Volumes



Brooklyn - Queens Bridges ~ Average Daily Traffic Volumes

1948 - 2013

<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

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

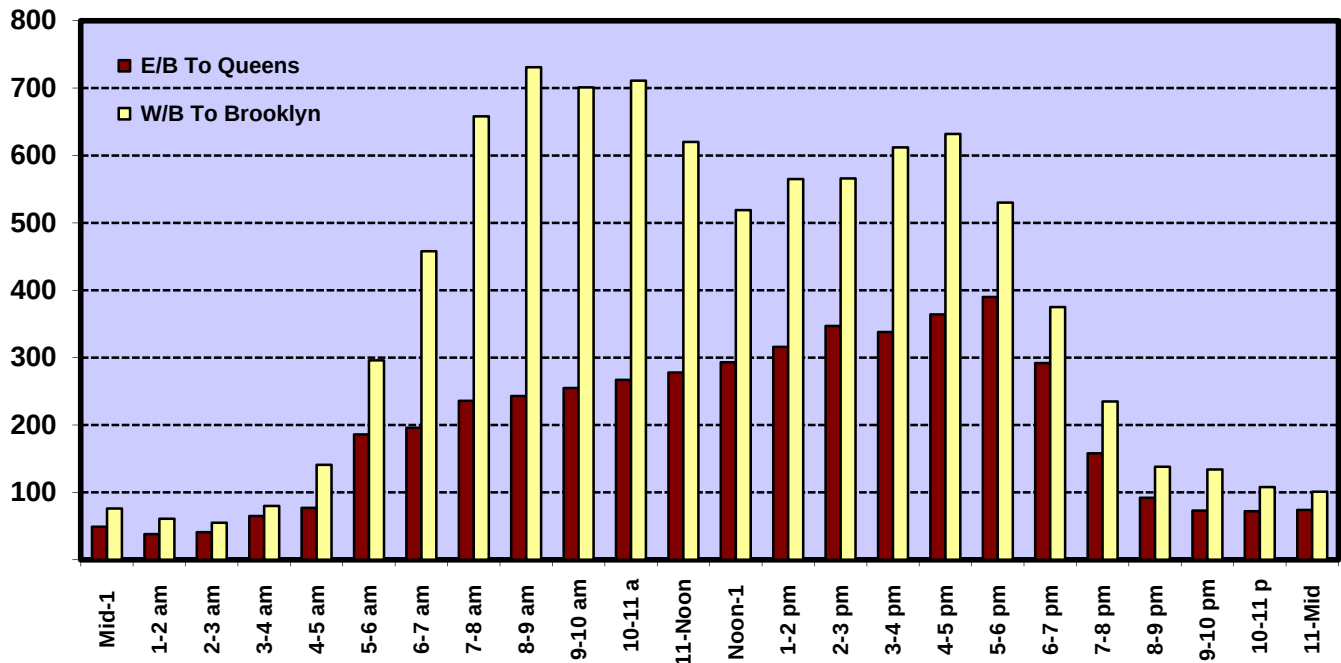
Hourly Vehicular Volumes Grand Street Bridge - 2013

	Eastbound to Queens						Westbound to Brooklyn						2-Way Totals
	Commuter			Commercial			Commuter			Commercial			
	Autos	Buses	Vans	Trucks	Vans	Totals	Autos	Buses	Vans	Trucks	Vans	Totals	
12-1am	---	---	---	---	---	49	---	---	---	---	---	76	
1-2am	---	---	---	---	---	38	---	---	---	---	---	61	
2-3am	---	---	---	---	---	41	---	---	---	---	---	55	
3-4am	---	---	---	---	---	65	---	---	---	---	---	80	
4-5am	---	---	---	---	---	77	---	---	---	---	---	141	
5-6am	---	---	---	---	---	186	---	---	---	---	---	296	
6-7am	---	---	---	---	---	196	---	---	---	---	---	458	
7-8am	187	7	6	27	9	236	445	17	33	132	31	658	
8-9am	159	4	6	60	14	243	406	8	39	213	65	731	
9-10am	170	12	2	54	17	255	376	12	37	216	60	701	
10-11am	193	3	3	45	23	267	543	17	19	103	29	711	
11-12am	152	5	9	85	27	278	388	7	37	148	40	620	
12-1pm	246	7	2	30	8	293	421	12	17	55	14	519	
1-2pm	249	4	8	42	13	316	410	18	32	84	21	565	
2-3pm	217	8	9	84	29	347	299	6	39	176	46	566	
3-4pm	290	6	3	33	6	338	476	21	14	85	16	612	
4-5pm	293	9	10	38	14	364	465	12	32	96	27	632	
5-6pm	314	5	8	45	18	390	406	5	24	75	20	530	
6-7pm	231	4	6	39	12	292	314	7	17	33	4	375	
7-8pm	---	---	---	---	---	158	---	---	---	---	---	235	
8-9pm	---	---	---	---	---	92	---	---	---	---	---	138	
9-10pm	---	---	---	---	---	73	---	---	---	---	---	134	
10-11pm	---	---	---	---	---	72	---	---	---	---	---	108	
11-12pm	---	---	---	---	---	74	---	---	---	---	---	101	
Totals	---	---	---	---	---	4,740	---	---	---	---	---	9,103	
7-10am	516	23	14	141	40	734	1,227	37	109	561	156	2,090	
10am-1pm	591	15	14	160	58	838	1,352	36	73	306	83	1,850	
1-4pm	756	18	20	159	48	1,001	1,185	45	85	345	83	1,743	
4-7pm	838	18	24	122	44	1,046	1,185	24	73	204	51	1,537	
7am-7pm	2,701	74	72	582	190	3,619	4,949	142	340	1,416	373	7,220	
6-10am						930						2,548	
3-7pm	1,128	24	27	155	50	1,384	1,661	45	87	289	67	2,149	
6am-7pm						3,815						7,678	

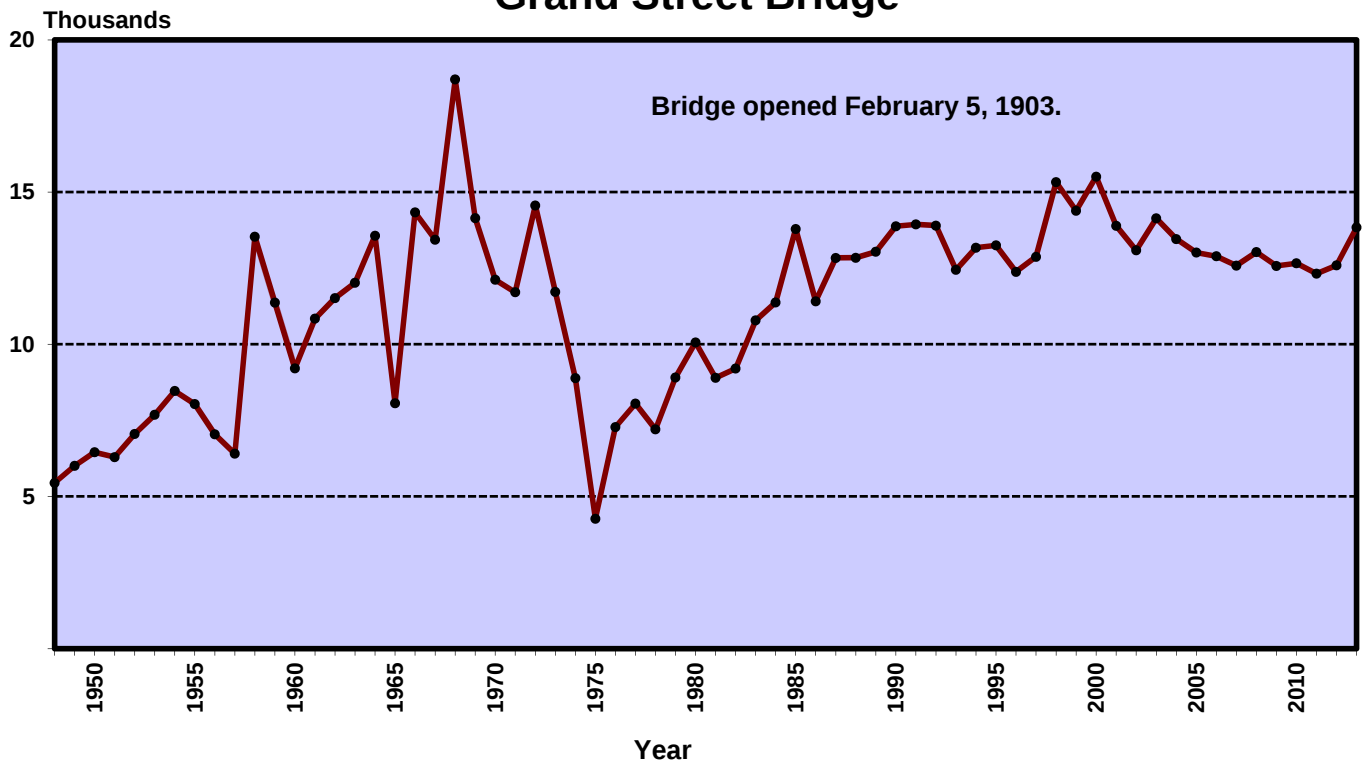
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Grand Street Bridge ~ 2013



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



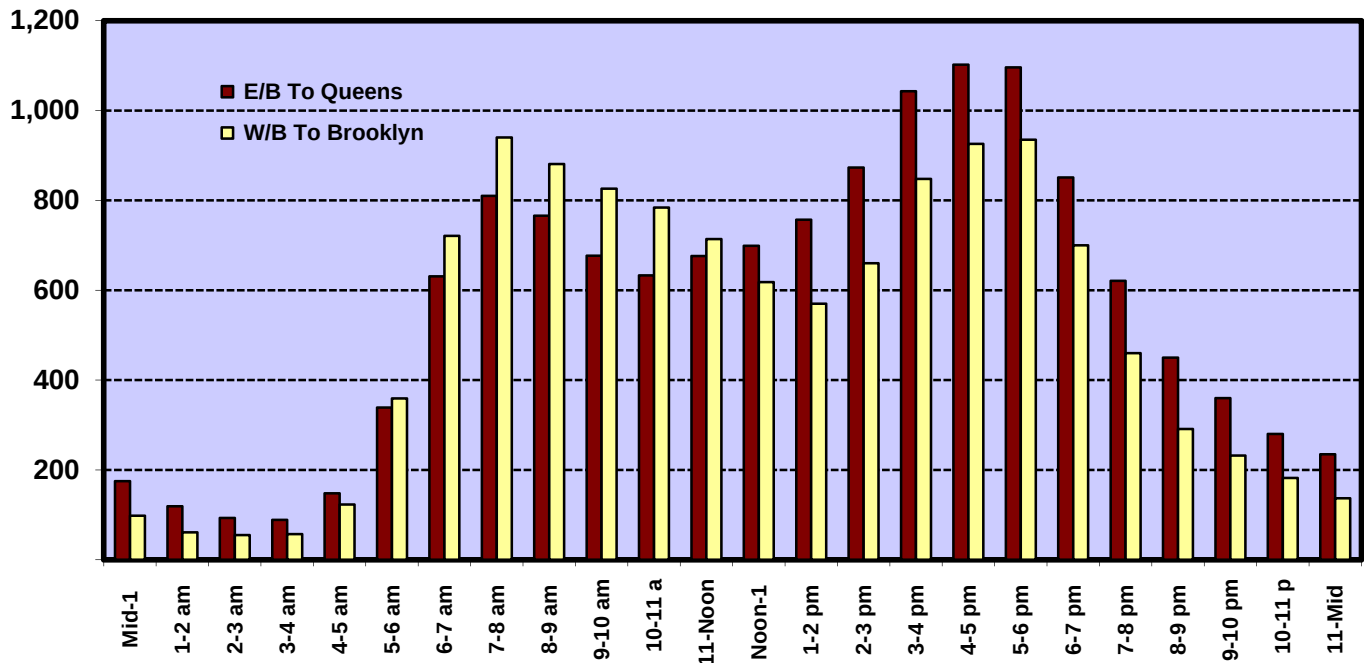
Hourly Vehicular Volumes J.J. Byrne Memorial Bridge - 2013 (Greenpoint Avenue Bridge)

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	---	---	---	---	175	---	---	---	---	---	98	273		
1-2am	---	---	---	---	119	---	---	---	---	---	61	180		
2-3am	---	---	---	---	93	---	---	---	---	---	55	148		
3-4am	---	---	---	---	89	---	---	---	---	---	57	146		
4-5am	---	---	---	---	148	---	---	---	---	---	123	271		
5-6am	---	---	---	---	339	---	---	---	---	---	359	698		
6-7am	---	---	---	---	631	---	---	---	---	---	721	1,352		
7-8am	605	12	20	130	43	810	618	10	48	189	75	1,750		
8-9am	498	14	22	189	43	766	597	10	30	169	75	1,647		
9-10am	383	6	25	197	66	677	410	13	50	247	106	1,503		
10-11am	516	3	6	75	33	633	543	5	27	156	53	1,417		
11-12am	407	11	17	170	71	676	325	6	19	235	129	1,390		
12-1pm	576	3	12	81	27	699	430	5	24	105	54	1,317		
1-2pm	622	11	15	88	21	757	395	12	30	98	35	1,327		
2-3pm	574	7	25	180	87	873	152	10	81	302	115	1,533		
3-4pm	902	9	10	87	35	1,043	690	7	24	98	29	1,891		
4-5pm	829	13	36	139	85	1,102	728	9	32	108	49	2,028		
5-6pm	849	9	33	131	74	1,096	726	10	55	81	63	2,031		
6-7pm	672	14	19	86	60	851	549	16	24	68	43	1,551		
7-8pm	---	---	---	---	621	---	---	---	---	---	---	1,081		
8-9pm	---	---	---	---	450	---	---	---	---	---	---	741		
9-10pm	---	---	---	---	360	---	---	---	---	---	---	592		
10-11pm	---	---	---	---	280	---	---	---	---	---	---	462		
11-12pm	---	---	---	---	235	---	---	---	---	---	---	372		
Totals	---	---	---	---	13,523	---	---	---	---	---	---	25,701		
7-10am	1,486	32	67	516	152	2,253	1,625	33	128	605	256	4,900		
10am-1pm	1,499	17	35	326	131	2,008	1,298	16	70	496	236	4,124		
1-4pm	2,098	27	50	355	143	2,673	1,237	29	135	498	179	4,751		
4-7pm	2,350	36	88	356	219	3,049	2,003	35	111	257	155	5,610		
7am-7pm	7,433	112	240	1,553	645	9,983	6,163	113	444	1,856	826	19,385		
6-10am	---	---	---	---	---	---	---	---	---	---	---	---		
3-7pm	3,252	45	98	443	254	4,092	2,693	42	135	355	184	6,252		
6am-7pm	---	---	---	---	---	---	---	---	---	---	---	---		
					10,614							7,501		
												20,737		

Based on 1989 Classification Survey Data

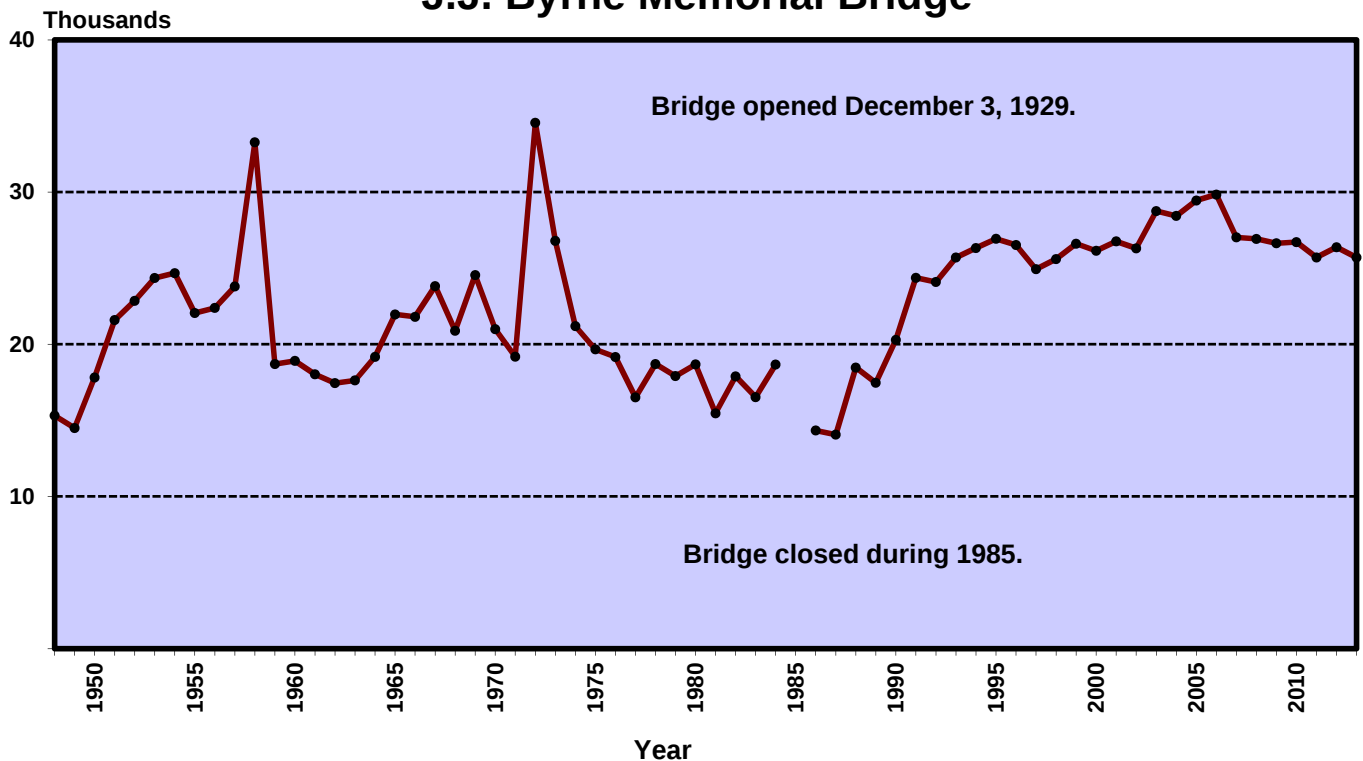
** Peak Volumes

Hourly Vehicular Volumes J.J. Byrne Memorial Bridge ~ 2013



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

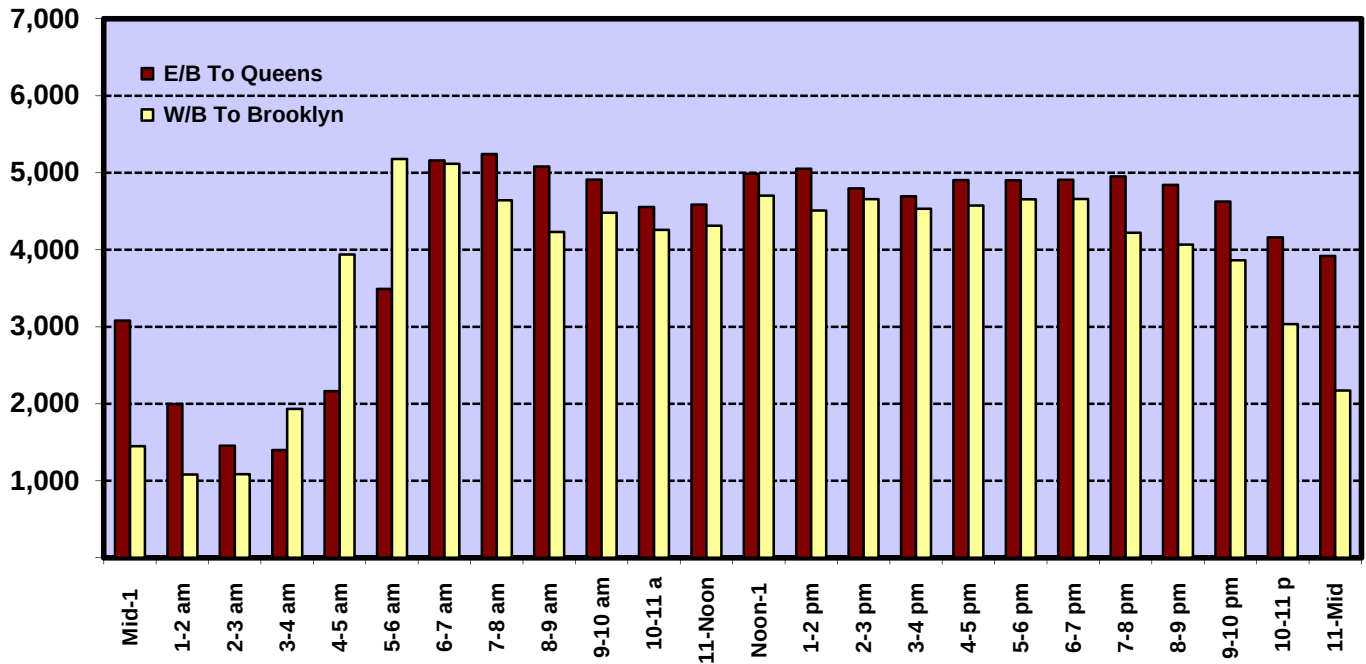
Kosciuszko Bridge - 2013

FHWA Classes ▲	Eastbound to Queens							Westbound to Brooklyn							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	2,314	509	103	7	73	74	3,080	1,025	279	41	11	34	60	1,450	4,530
1-2am	1,299	482	70	2	58	84	1,995	654	257	44	10	47	69	1,081	3,076
2-3am	857	276	82	4	87	150	1,456	626	182	63	3	83	129	1,086	2,542
3-4am	815	222	82	12	113	156	1,400	1,175	266	134	4	165	189	1,933	3,333
4-5am	1,394	265	119	16	181	188	2,163	2,691	480	253	14	267	233	3,938	6,101
5-6am	2,429	255	185	67	279	277	3,492	3,624	572	382	22	380	199	5,179	8,671
6-7am	3,667	279	367	164	417	265	5,159	3,475	441	531	44	406	219	5,116	10,275
7-8am	3,900	231	420	109	398	185	5,243	3,445	144	524	43	344	143	4,643	9,886
8-9am	3,564	237	519	82	498	180	5,080	2,980	160	604	37	296	154	4,231	9,311
9-10am	3,344	246	524	86	520	191	4,911	3,067	199	639	40	385	150	4,480	9,391
10-11am	3,024	275	485	79	494	198	4,555	2,959	197	519	42	361	181	4,259	8,814
11-12am	3,045	272	476	90	522	182	4,587	2,954	227	565	28	372	166	4,312	8,899
12-1pm	3,448	235	523	86	499	197	4,988	3,163	249	684	43	419	145	4,703	9,691
1-2pm	3,475	295	548	85	488	160	5,051	3,116	279	585	32	381	117	4,510	9,561
2-3pm	3,388	291	555	51	401	110	4,796	3,330	317	484	27	359	140	4,657	9,453
3-4pm	3,440	236	597	49	291	81	4,694	3,453	269	381	46	265	119	4,533	9,227
4-5pm	3,755	238	580	60	210	62	4,905	3,525	249	383	79	215	123	4,574	9,479
5-6pm	3,985	155	499	35	170	58	4,902	3,696	257	372	57	171	102	4,655	9,557
6-7pm	4,107	146	349	49	187	71	4,909	3,768	290	316	44	151	91	4,660	9,569
7-8pm	4,200	167	293	46	159	87	4,952	3,544	278	202	31	105	61	4,221	9,173
8-9pm	4,071	332	225	42	108	64	4,842	3,440	294	143	34	92	64	4,067	8,909
9-10pm	3,798	447	176	35	104	65	4,625	3,233	332	128	34	68	69	3,864	8,489
10-11pm	3,385	419	153	25	100	79	4,161	2,473	358	83	18	46	57	3,035	7,196
11-12pm	3,184	437	113	28	75	82	3,919	1,629	347	78	13	48	58	2,173	6,092
Totals	73,888	6,947	8,043	1,309	6,432	3,246	99,865	67,045	6,923	8,138	756	5,460	3,038	91,360	191,225
7-10am	10,808	714	1,463	277	1,416	556	15,234	9,492	503	1,767	120	1,025	447	13,354	28,588
10am-1pm	9,517	782	1,484	255	1,515	577	14,130	9,076	673	1,768	113	1,152	492	13,274	27,404
1-4pm	10,303	822	1,700	185	1,180	351	14,541	9,899	865	1,450	105	1,005	376	13,700	28,241
4-7pm	11,847	539	1,428	144	567	191	14,716	10,989	796	1,071	180	537	316	13,889	28,605
7am-7pm	42,475	2,857	6,075	861	4,678	1,675	58,621	39,456	2,837	6,056	518	3,719	1,631	54,217	112,838
6-10am	14,475	993	1,830	441	1,833	821	20,393	12,967	944	2,298	164	1,431	666	18,470	38,863
3-7pm	15,287	775	2,025	193	858	272	19,410	14,442	1,065	1,452	226	802	435	18,422	37,832
6am-7pm	46,142	3,136	6,442	1,025	5,095	1,940	63,780	42,931	3,278	6,587	562	4,125	1,850	59,333	123,113

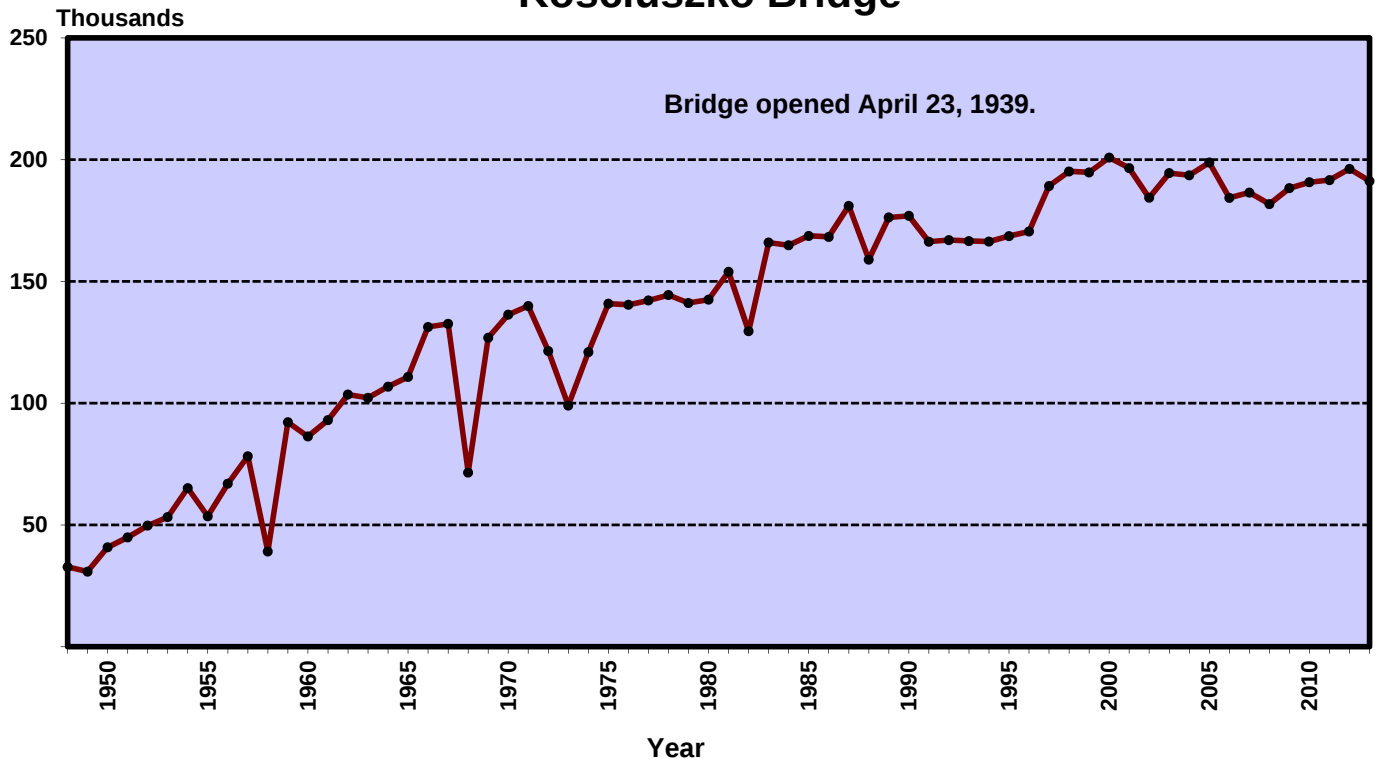
Based on November 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Kosciuszko Bridge ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Kosciuszko Bridge



Hourly Vehicular Volumes

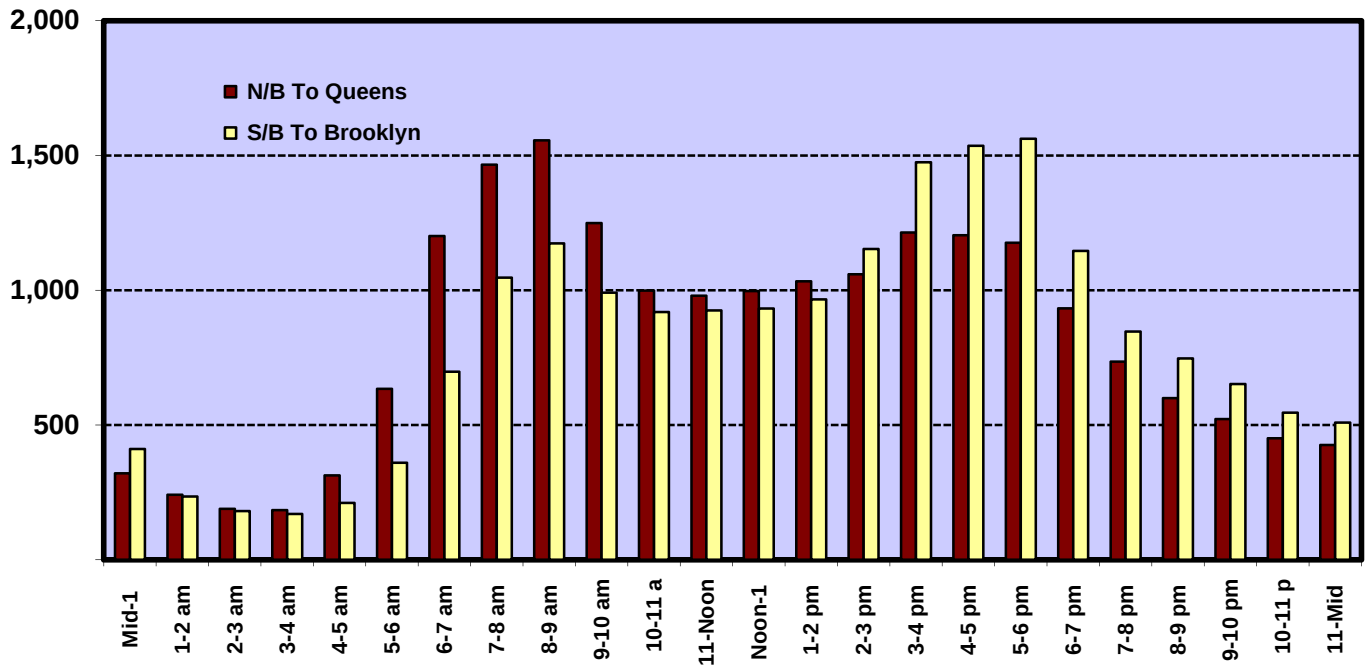
Pulaski Bridge - 2013

FHWA Classes ▲	Northbound to Queens							Southbound to Brooklyn							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	199	102	6	3	11	0	321	241	148	9	4	8	1	411	732
1-2am	95	127	3	2	14	0	241	114	101	3	2	10	5	235	476
2-3am	73	97	10	4	3	2	189	85	79	5	1	9	2	181	370
3-4am	83	81	11	1	8	0	184	87	63	7	2	8	3	170	354
4-5am	186	93	9	4	20	1	313	126	48	11	5	14	7	211	524
5-6am	497	72	23	8	27	7	634	257	53	22	7	18	3	360	994
6-7am	974	47	76	49	38	17	1,201	535	52	37	20	45	9	698	1,899
7-8am	1,132	46	181	25	68	14	1,466	758	58	110	26	78	17	1,047	2,513
8-9am	1,171	59	187	13	110	16	1,556	845	43	135	53	89	9	1,174	2,730
9-10am	843	55	237	20	89	5	1,249	707	46	126	36	64	12	991	2,240
10-11am	644	60	159	30	96	10	999	644	50	110	24	73	18	919	1,918
11-12am	658	48	174	12	75	13	980	637	47	110	23	96	12	925	1,905
12-1pm	671	43	168	12	99	4	997	667	33	111	20	78	23	932	1,929
1-2pm	691	38	166	32	104	10	1,033	690	32	113	30	89	12	966	1,999
2-3pm	761	30	120	25	105	10	1,059	808	35	170	24	95	21	1,153	2,212
3-4pm	851	69	137	25	126	6	1,214	1,146	56	126	44	96	7	1,475	2,689
4-5pm	913	102	99	15	66	9	1,204	1,202	81	123	44	67	19	1,536	2,740
5-6pm	952	88	76	13	38	9	1,176	1,230	91	149	25	46	21	1,562	2,738
6-7pm	778	53	54	8	30	10	933	930	101	57	14	30	14	1,146	2,079
7-8pm	613	45	34	11	32	0	735	681	76	28	9	45	8	847	1,582
8-9pm	485	66	17	8	22	2	600	581	98	33	10	17	8	747	1,347
9-10pm	416	60	15	7	20	4	522	503	111	16	6	12	4	652	1,174
10-11pm	350	57	13	5	24	2	451	391	114	19	4	11	7	546	997
11-12pm	328	63	10	7	15	3	426	354	125	3	5	14	8	509	935
Totals	14,364	1,601	1,985	339	1,240	154	19,683	14,219	1,741	1,633	438	1,112	250	19,393	39,076
7-10am	3,146	160	605	58	267	35	4,271	2,310	147	371	115	231	38	3,212	7,483
10am-1pm	1,973	151	501	54	270	27	2,976	1,948	130	331	67	247	53	2,776	5,752
1-4pm	2,303	137	423	82	335	26	3,306	2,644	123	409	98	280	40	3,594	6,900
4-7pm	2,643	243	229	36	134	28	3,313	3,362	273	329	83	143	54	4,244	7,557
7am-7pm	10,065	691	1,758	230	1,006	116	13,866	10,264	673	1,440	363	901	185	13,826	27,692
6-10am	4,120	207	681	107	305	52	5,472	2,845	199	408	135	276	47	3,910	9,382
3-7pm	3,494	312	366	61	260	34	4,527	4,508	329	455	127	239	61	5,719	10,246
6am-7pm	11,039	738	1,834	279	1,044	133	15,067	10,799	725	1,477	383	946	194	14,524	29,591

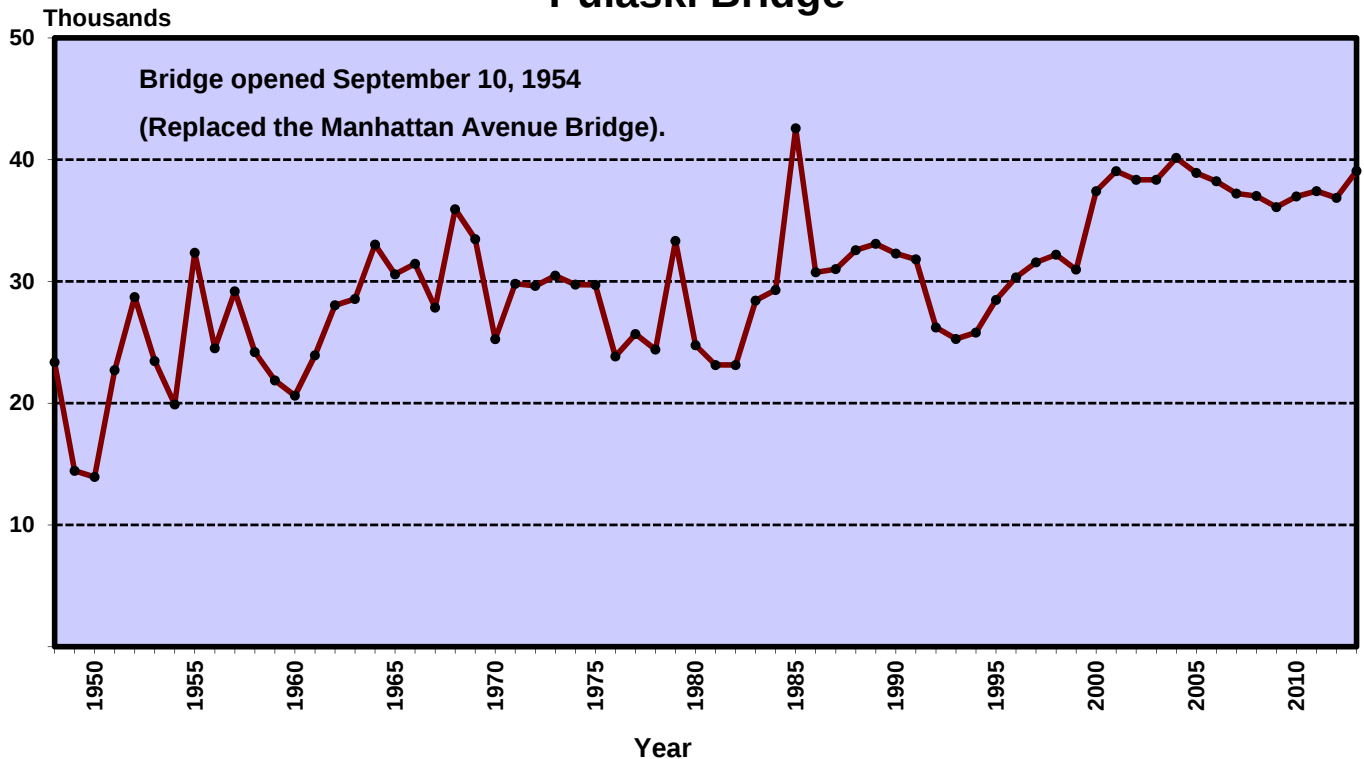
Based on December 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Pulaski Bridge ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Pulaski Bridge



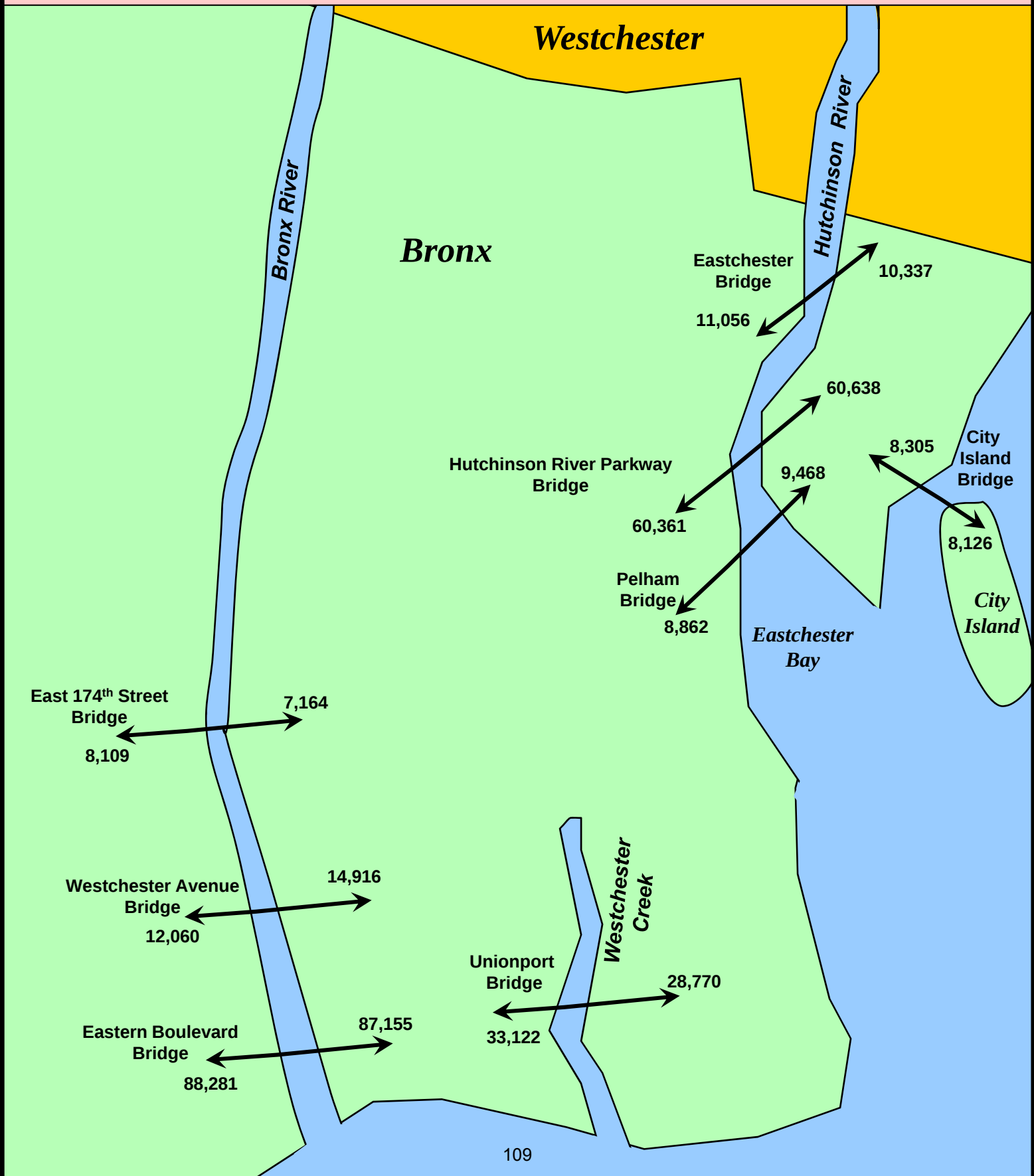
Bronx Bridges



Hutchinson River Parkway Bridge

Bronx Bridges

2013 Daily Volumes



Bronx Bridges
Average Daily Traffic Volumes
1948 - 2013

<i>Year</i>	<i>City Island</i>	<i>East 174th Street</i>	<i>Eastchester</i>	<i>Eastern Boulevard</i>	<i>Hutchinson River Pky</i>
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	<i>Closed</i>	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

Bronx Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2013

<i>Year</i>	<i>Pelham</i>	<i>Unionport</i>	<i>Westchester Avenue</i>	<i>Totals</i>
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

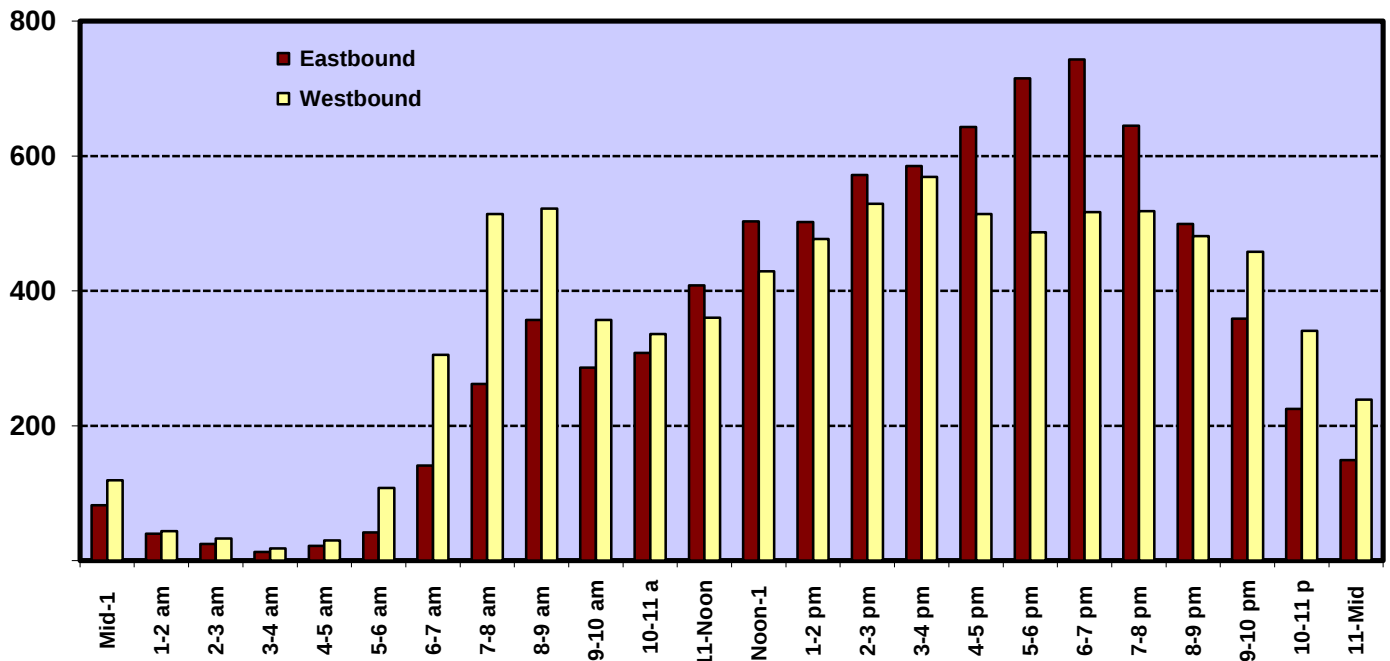
Hourly Vehicular Volumes City Island Bridge - 2013

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	82	---	---	---	---	---	119
1-2am	---	---	---	---	---	40	---	---	---	---	---	44
2-3am	---	---	---	---	---	25	---	---	---	---	---	33
3-4am	---	---	---	---	---	13	---	---	---	---	---	18
4-5am	---	---	---	---	---	22	---	---	---	---	---	30
5-6am	---	---	---	---	---	42	---	---	---	---	---	108
6-7am	---	---	---	---	---	141	---	---	---	---	---	305
7-8am	218	9	12	5	18	262	465	10	0	19	20	514
8-9am	277	16	14	9	41	357	454	16	0	16	36	522
9-10am	238	5	5	8	30	286	323	4	0	10	20	357
10-11am	287	0	5	7	9	308	322	3	1	8	2	336
11-12am	349	6	10	7	36	408	348	6	0	2	4	360
12-1pm	464	2	10	4	23	503	412	10	0	5	2	429
1-2pm	468	3	1	7	23	502	448	2	0	6	21	477
2-3pm	479	11	15	22	45	572	454	12	3	25	35	529
3-4pm	548	11	6	7	13	585	535	17	0	6	11	569 **
4-5pm	560	3	24	11	45	643	473	3	0	9	29	514
5-6pm	663	7	13	8	24	715	454	5	0	10	18	487
6-7pm	701	5	7	11	19	743 **	489	7	0	9	12	517
7-8pm	---	---	---	---	---	645	---	---	---	---	---	518
8-9pm	---	---	---	---	---	499	---	---	---	---	---	481
9-10pm	---	---	---	---	---	359	---	---	---	---	---	458
10-11pm	---	---	---	---	---	225	---	---	---	---	---	341
11-12pm	---	---	---	---	---	149	---	---	---	---	---	239
Totals	---	---	---	---	---	8,126	---	---	---	---	---	8,305
7-10am	733	30	31	22	89	905	1,242	30	0	45	76	1,393
10am-1pm	1,100	8	25	18	68	1,219	1,082	19	1	15	8	1,125
1-4pm	1,495	25	22	36	81	1,659	1,437	31	3	37	67	1,575
4-7pm	1,924	15	44	30	88	2,101	1,416	15	0	28	59	1,518
7am-7pm	5,252	78	122	106	326	5,884	5,177	95	4	125	210	5,611
6-10am						1,046						1,698
3-7pm	2,472	26	50	37	101	2,686	1,951	32	0	34	70	2,087
6am-7pm						6,025						5,916
2-Way Totals												

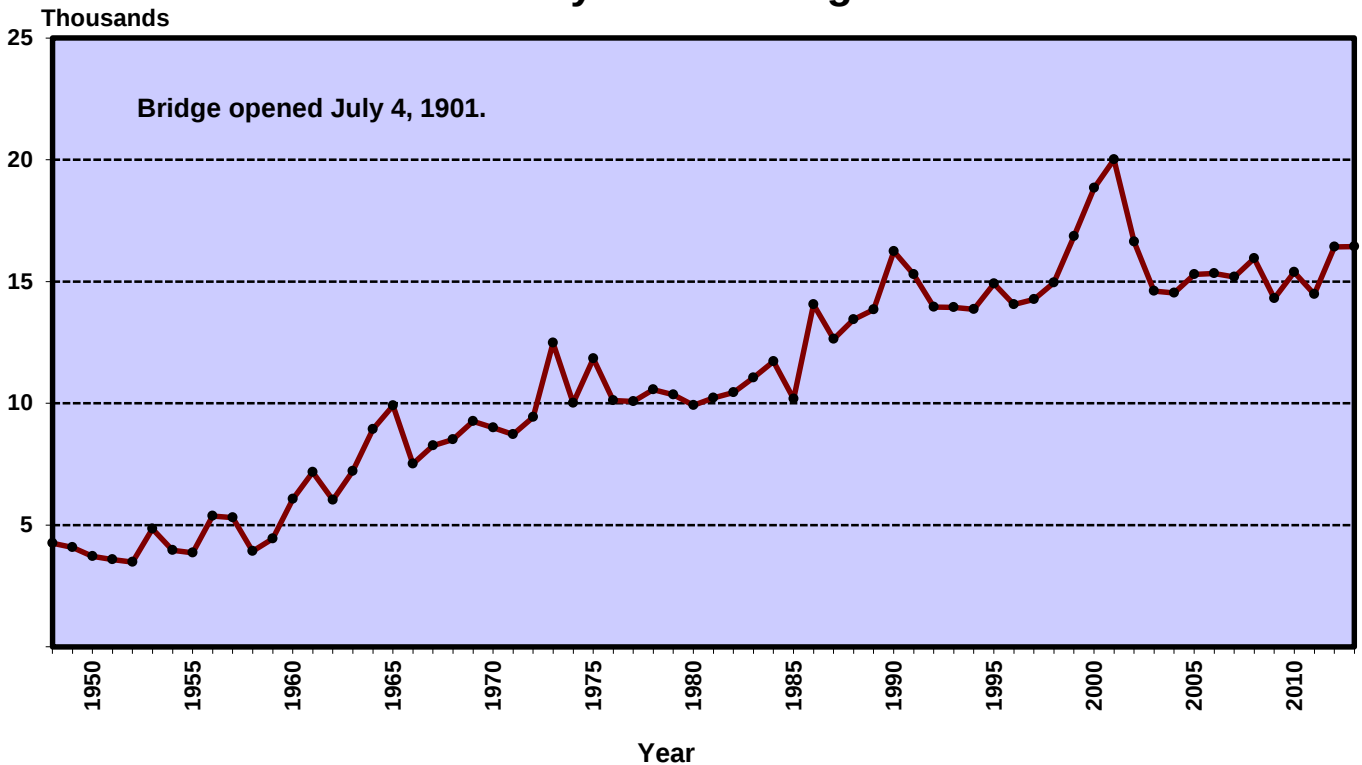
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes City Island Bridge ~ 2013



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



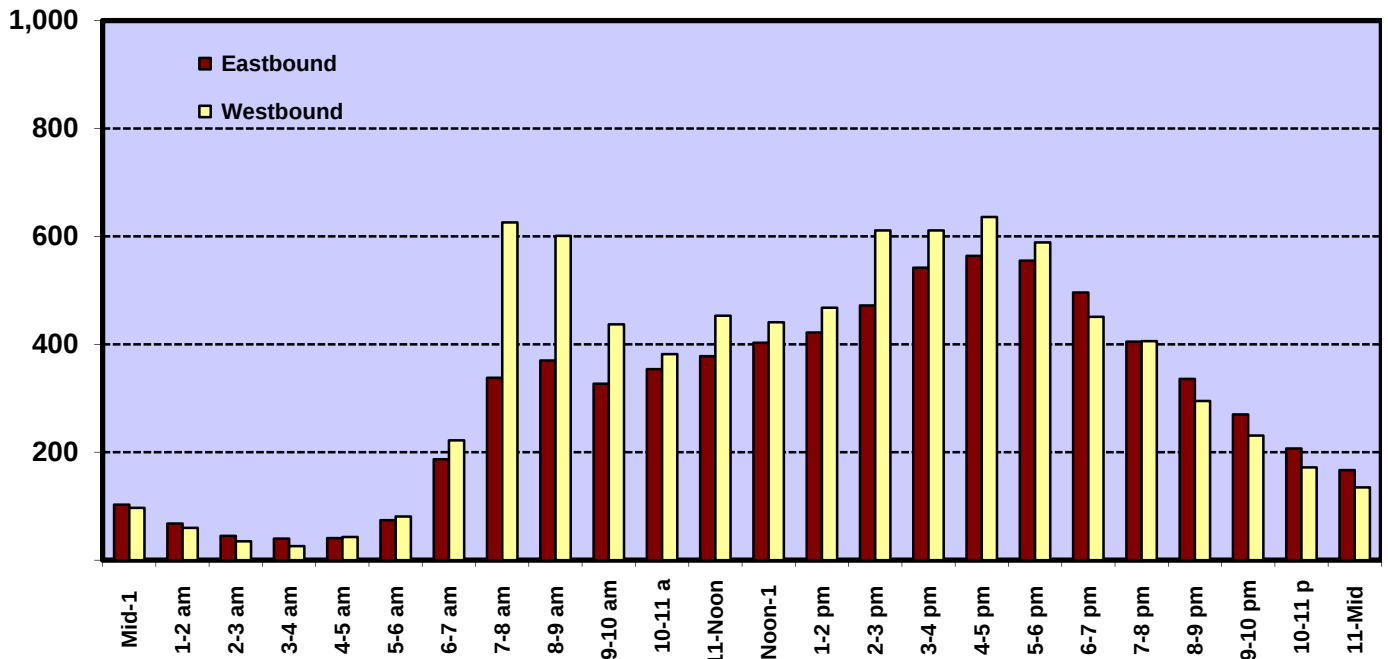
Hourly Vehicular Volumes East 174th Street Bridge - 2013

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter		Commercial Vans		Autos	Buses	Commuter		Commercial Vans	
			Vans	Trucks					Vans	Trucks		
12-1am	---	---	---	---	---	103	---	---	---	---	---	97
1-2am	---	---	---	---	---	68	---	---	---	---	---	60
2-3am	---	---	---	---	---	45	---	---	---	---	---	35
3-4am	---	---	---	---	---	40	---	---	---	---	---	26
4-5am	---	---	---	---	---	41	---	---	---	---	---	43
5-6am	---	---	---	---	---	74	---	---	---	---	---	81
6-7am	---	---	---	---	---	187	---	---	---	---	---	222
7-8am	279	25	8	12	14	338	537	28	19	7	35	626
8-9am	281	42	9	27	11	370	505	26	23	11	36	601
9-10am	259	25	10	15	18	327	367	16	12	9	33	437
10-11am	304	18	6	15	11	354	341	29	5	5	2	382
11-12am	269	23	23	34	29	378	365	16	5	30	37	453
12-1pm	348	11	11	17	16	403	396	22	5	8	10	441
1-2pm	373	10	12	12	15	422	423	19	8	6	12	468
2-3pm	362	31	23	35	21	472	482	46	18	24	41	611
3-4pm	474	33	11	12	12	542	526	44	10	2	29	611
4-5pm	476	13	23	28	24	564 **	547	21	17	17	34	636 **
5-6pm	489	13	14	20	19	555	526	21	14	2	26	589
6-7pm	442	19	6	12	17	496	408	13	13	3	14	451
7-8pm	---	---	---	---	---	405	---	---	---	---	---	406
8-9pm	---	---	---	---	---	336	---	---	---	---	---	295
9-10pm	---	---	---	---	---	270	---	---	---	---	---	231
10-11pm	---	---	---	---	---	207	---	---	---	---	---	172
11-12pm	---	---	---	---	---	167	---	---	---	---	---	135
Totals	---	---	---	---	---	7,164	---	---	---	---	---	8,109
7-10am	819	92	27	54	43	1,035	1,409	70	54	27	104	1,664
10am-1pm	921	52	40	66	56	1,135	1,102	67	15	43	49	1,276
1-4pm	1,209	74	46	59	48	1,436	1,431	109	36	32	82	1,690
4-7pm	1,407	45	43	60	60	1,615	1,481	55	44	22	74	1,676
7am-7pm	4,356	263	156	239	207	5,221	5,423	301	149	124	309	6,306
6-10am						1,222						1,886
3-7pm	1,881	78	54	72	72	2,157	2,007	99	54	24	103	2,287
6am-7pm						5,408						6,528
												11,936
					</							

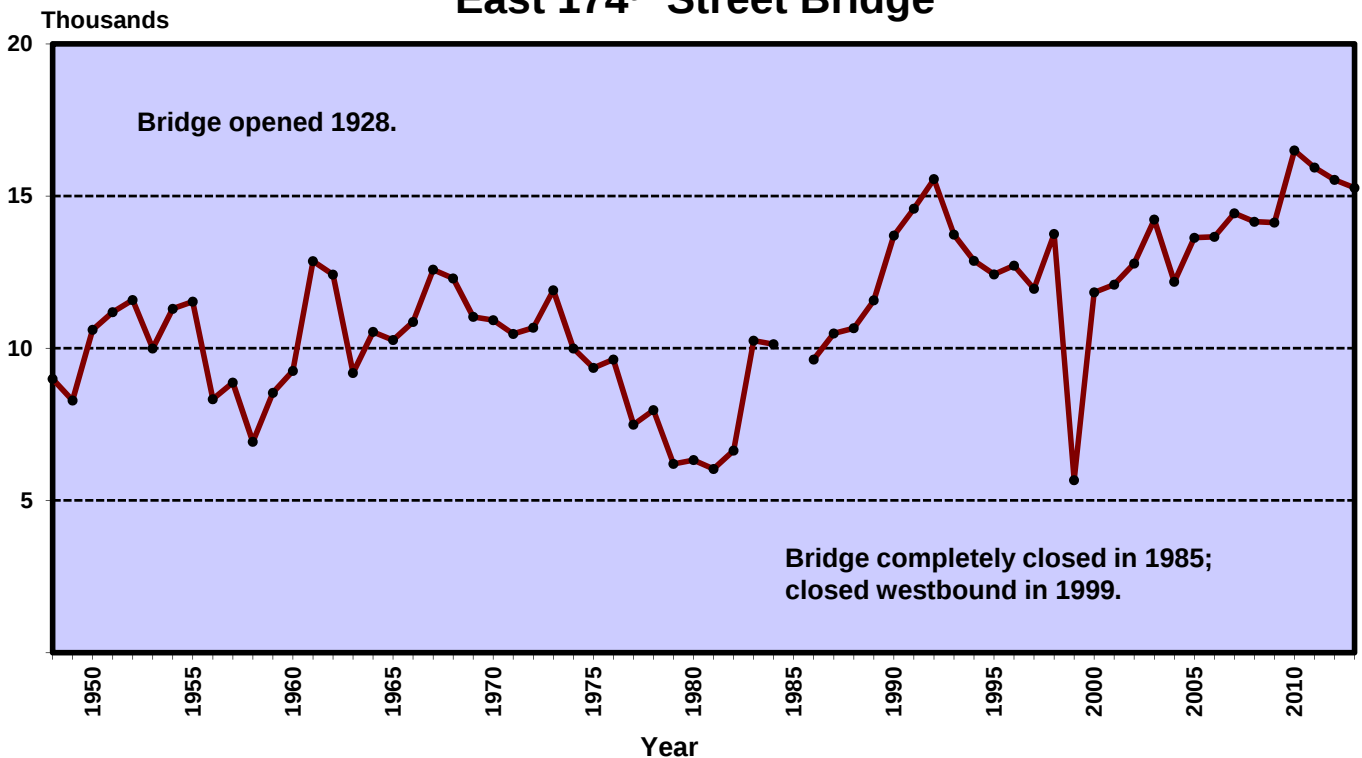
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes East 174th Street Bridge ~ 2013



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



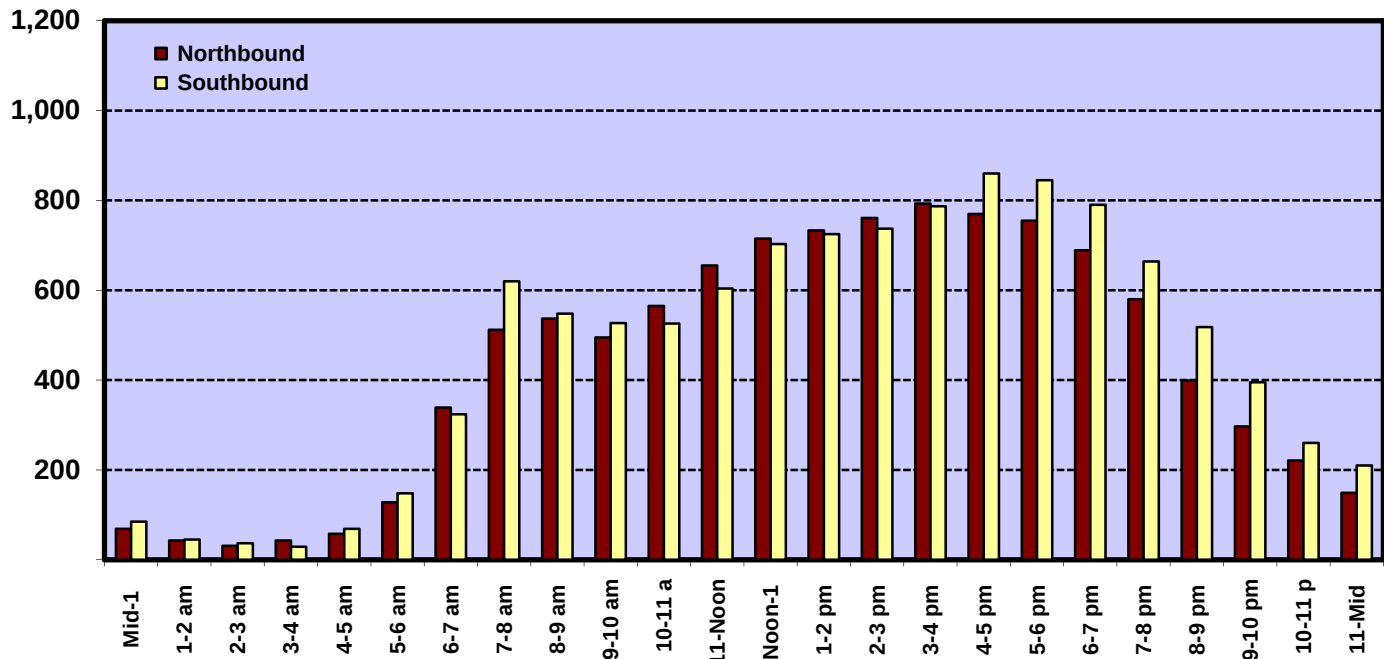
Hourly Vehicular Volumes Eastchester Bridge - 2013

	Northbound					Southbound					2-Way Totals		
	Autos	Buses	Commuter		Commercial Vans	Totals	Autos	Buses	Commuter			Commercial Vans	Totals
			Vans	Trucks					Vans	Trucks			
12-1am	---	---	---	---	---	69	---	---	---	---	---	85	
1-2am	---	---	---	---	---	43	---	---	---	---	---	45	
2-3am	---	---	---	---	---	31	---	---	---	---	---	37	
3-4am	---	---	---	---	---	43	---	---	---	---	---	29	
4-5am	---	---	---	---	---	58	---	---	---	---	---	69	
5-6am	---	---	---	---	---	128	---	---	---	---	---	148	
6-7am	---	---	---	---	---	339	---	---	---	---	---	324	
7-8am	451	15	0	26	20	512	511	9	9	71	20	620	
8-9am	454	11	0	40	32	537	430	11	13	71	23	548	
9-10am	417	14	0	35	29	495	347	17	18	107	38	527	
10-11am	516	7	0	23	19	565	456	7	13	33	17	526	
11-12am	573	5	0	36	41	655	464	8	16	80	36	604	
12-1pm	671	8	0	13	23	715	640	7	6	31	19	703	
1-2pm	691	8	0	14	20	733	662	8	4	39	12	725	
2-3pm	685	16	0	36	24	761	577	11	14	107	28	737	
3-4pm	740	14	0	20	19	793	706	16	9	44	12	787	
4-5pm	703	9	0	23	35	770	770	9	16	43	22	860	
5-6pm	687	8	0	24	36	755	757	9	12	39	28	845	
6-7pm	650	12	0	13	14	689	719	18	9	35	9	790	
7-8pm	---	---	---	---	---	580	---	---	---	---	---	664	
8-9pm	---	---	---	---	---	399	---	---	---	---	---	518	
9-10pm	---	---	---	---	---	297	---	---	---	---	---	395	
10-11pm	---	---	---	---	---	221	---	---	---	---	---	260	
11-12pm	---	---	---	---	---	149	---	---	---	---	---	210	
Totals	---	---	---	---	---	10,337	---	---	---	---	---	11,056	
7-10am	1,322	40	0	101	81	1,544	1,288	37	40	249	81	1,695	
10am-1pm	1,760	20	0	72	83	1,935	1,560	22	35	144	72	1,833	
1-4pm	2,116	38	0	70	63	2,287	1,945	35	27	190	52	2,249	
4-7pm	2,040	29	0	60	85	2,214	2,246	36	37	117	59	2,495	
7am-7pm	7,238	127	0	303	312	7,980	7,039	130	139	700	264	8,272	
6-10am						1,883						2,019	
3-7pm	2,780	43	0	80	104	3,007	2,952	52	46	161	71	3,282	
6am-7pm						8,319						8,596	

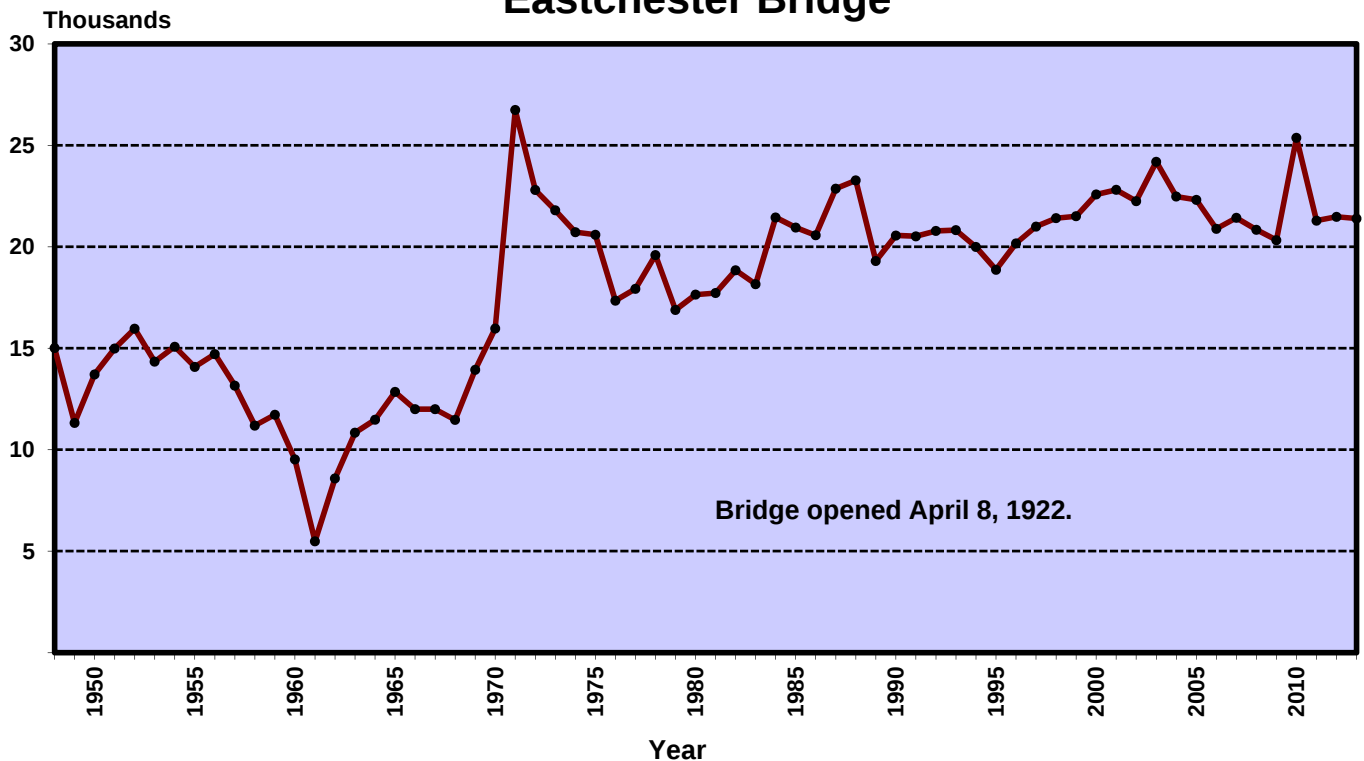
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Eastchester Bridge ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Eastchester Bridge



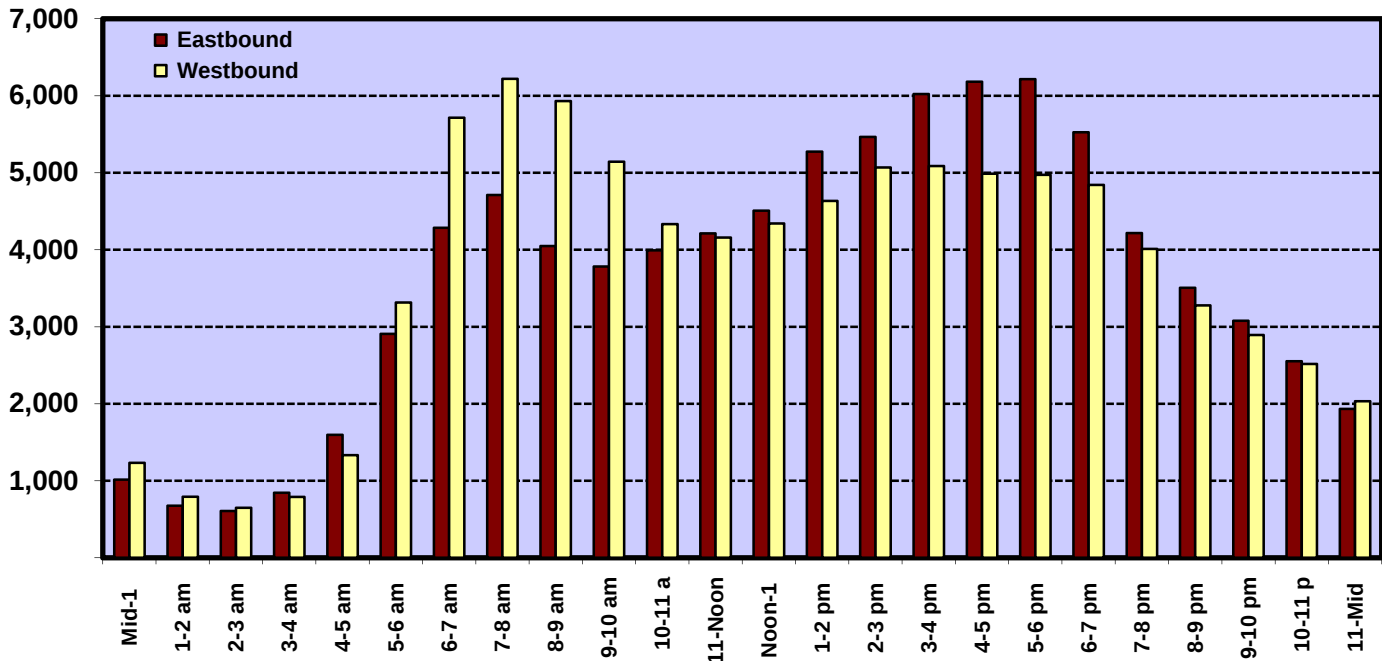
Hourly Vehicular Volumes Eastern Boulevard Bridge - 2013

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	1,014	---	---	---	---	---	1,233
1-2am	---	---	---	---	---	677	---	---	---	---	---	793
2-3am	---	---	---	---	---	607	---	---	---	---	---	650
3-4am	---	---	---	---	---	845	---	---	---	---	---	790
4-5am	---	---	---	---	---	1,596	---	---	---	---	---	1,332
5-6am	---	---	---	---	---	2,907	---	---	---	---	---	3,315
6-7am	---	---	---	---	---	4,286	---	---	---	---	---	5,715
7-8am	3,982	60	75	447	146	4,710	5,402	98	117	347	255	6,219 **
8-9am	3,219	94	86	457	193	4,049	5,022	71	135	428	275	5,931
9-10am	2,911	91	105	487	189	3,783	4,456	45	83	324	236	5,144
10-11am	3,516	25	52	289	110	3,992	3,994	35	52	158	94	4,333
11-12am	3,332	17	151	445	268	4,213	3,565	24	99	276	194	4,158
12-1pm	4,061	22	73	223	129	4,508	4,020	26	32	168	96	4,342
1-2pm	4,966	32	1	174	100	5,273	4,285	56	59	174	61	4,635
2-3pm	4,938	44	0	278	205	5,465	4,355	119	95	361	139	5,069
3-4pm	5,733	41	0	153	96	6,023	4,739	69	43	184	53	5,088
4-5pm	5,659	36	0	298	188	6,181	4,306	104	124	286	168	4,988
5-6pm	5,890	61	0	93	171	6,215 **	4,539	35	137	175	87	4,973
6-7pm	5,200	42	0	144	139	5,525	4,564	40	82	92	64	4,842
7-8pm	---	---	---	---	---	4,216	---	---	---	---	---	4,010
8-9pm	---	---	---	---	---	3,506	---	---	---	---	---	3,277
9-10pm	---	---	---	---	---	3,078	---	---	---	---	---	2,894
10-11pm	---	---	---	---	---	2,553	---	---	---	---	---	2,517
11-12pm	---	---	---	---	---	1,933	---	---	---	---	---	2,033
Totals	---	---	---	---	---	87,155	---	---	---	---	---	88,281
7-10am	10,112	245	266	1,391	528	12,542	14,880	214	335	1,099	766	17,294
10am-1pm	10,909	64	276	957	507	12,713	11,579	85	183	602	384	12,833
1-4pm	15,637	117	1	605	401	16,761	13,379	244	197	719	253	14,792
4-7pm	16,749	139	0	535	498	17,921	13,409	179	343	553	319	14,803
7am-7pm	53,407	565	543	3,488	1,934	59,937	53,247	722	1,058	2,973	1,722	59,722
6-10am						16,828						23,009
3-7pm	22,482	180	0	688	594	23,944	18,148	248	386	737	372	19,891
6am-7pm						64,223						65,437

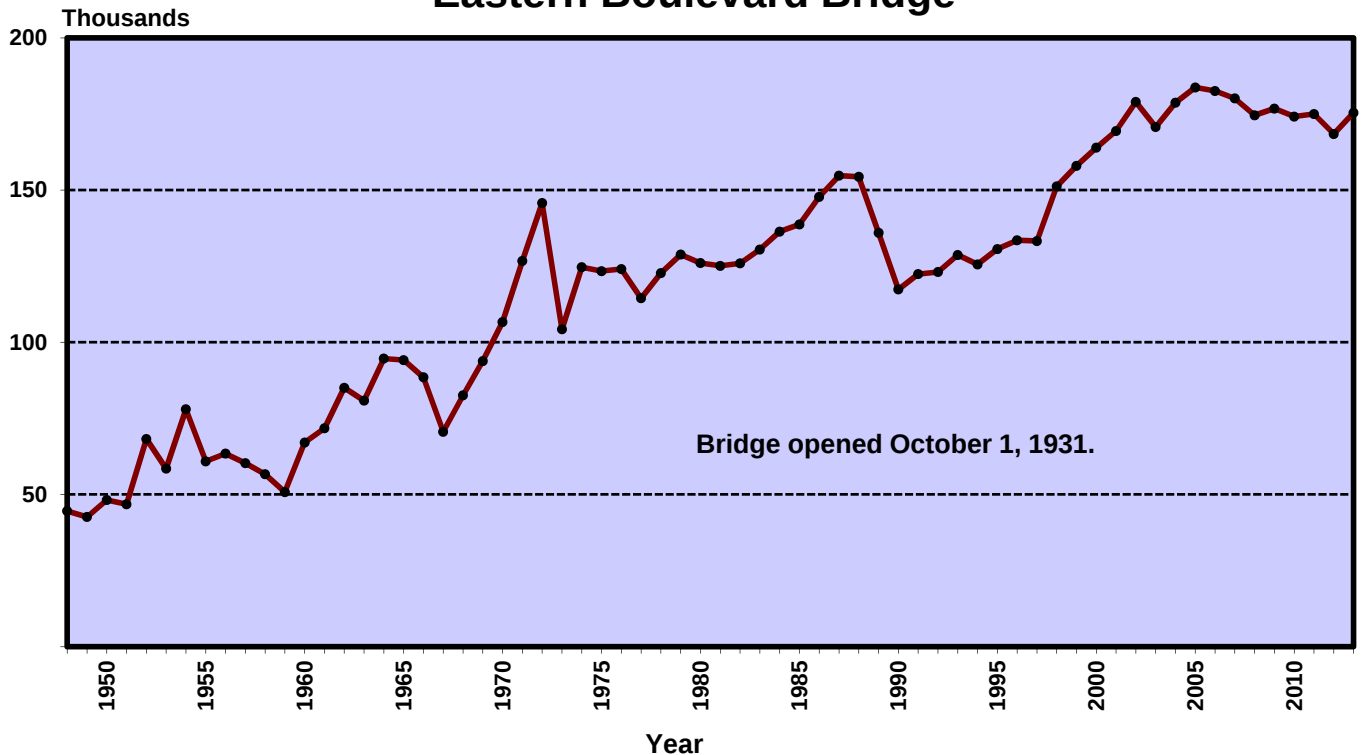
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Eastern Boulevard Bridge ~ 2013



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



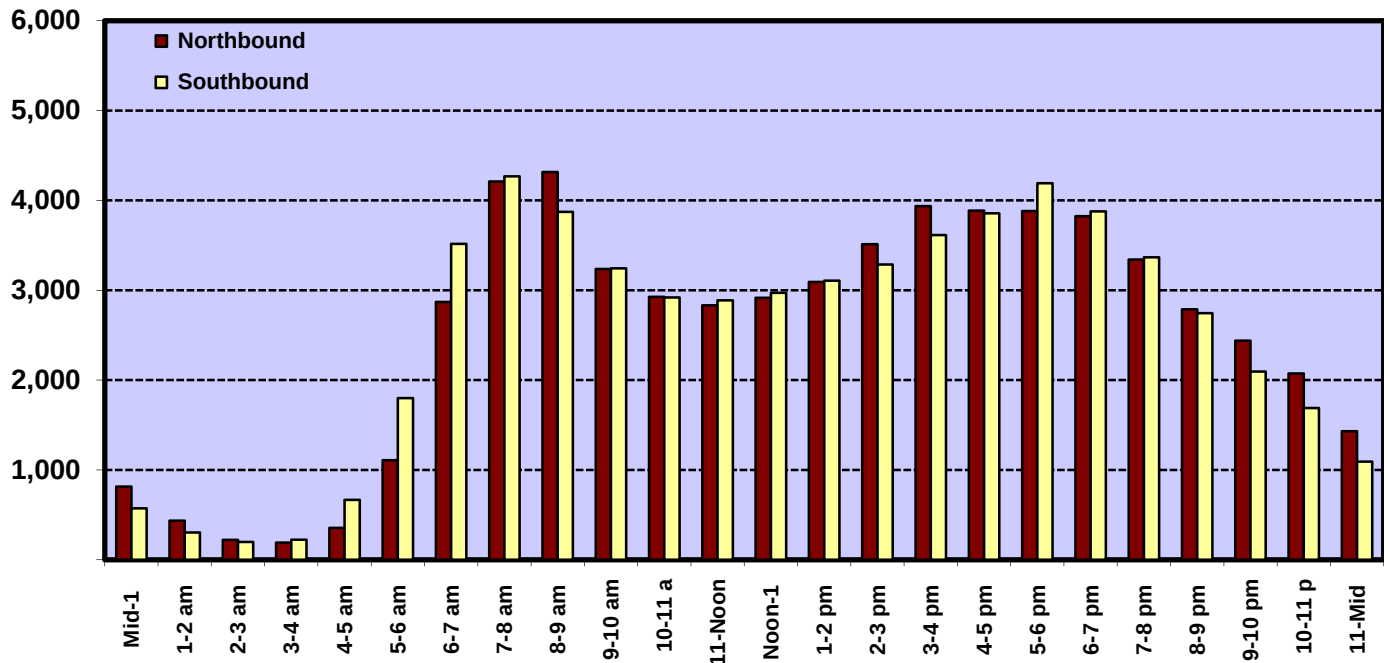
Hutchinson River Parkway Bridge - 2013

	Northbound					Totals	Southbound					2-Way Totals	
	Autos	Buses	Vans	Trucks	Commercial Vans		Autos	Buses	Vans	Trucks	Commercial Vans		
12-1am	---	---	---	---	---	814	---	---	---	---	---	572	1,386
1-2am	---	---	---	---	---	436	---	---	---	---	---	303	739
2-3am	---	---	---	---	---	221	---	---	---	---	---	198	419
3-4am	---	---	---	---	---	191	---	---	---	---	---	223	414
4-5am	---	---	---	---	---	356	---	---	---	---	---	666	1,022
5-6am	---	---	---	---	---	1,109	---	---	---	---	---	1,799	2,908
6-7am	---	---	---	---	---	2,870	---	---	---	---	---	3,517	6,387
7-8am	3,890	4	100	145	72	4,211	4,124	1	20	10	113	4,268	8,479
8-9am	4,043	7	72	139	55	4,316	3,782	2	6	7	75	3,872	8,188
9-10am	2,980	1	83	105	67	3,236	3,118	8	14	12	92	3,244	6,480
10-11am	2,786	3	38	64	35	2,926	2,874	3	6	6	30	2,919	5,845
11-12am	2,534	0	116	111	71	2,832	2,738	0	10	11	129	2,888	5,720
12-1pm	2,795	0	34	59	28	2,916	2,923	0	3	3	42	2,971	5,887
1-2pm	2,923	7	53	74	35	3,092	3,026	6	8	0	66	3,106	6,198
2-3pm	3,141	5	124	175	68	3,513	3,152	6	14	6	109	3,287	6,800
3-4pm	3,768	3	57	73	35	3,936	3,531	11	3	3	67	3,615	7,551
4-5pm	3,506	1	82	220	77	3,886	3,771	0	16	0	69	3,856	7,742
5-6pm	3,606	1	81	134	60	3,882	4,081	0	11	8	92	4,192	8,074
6-7pm	3,587	0	74	103	61	3,825	3,781	0	15	2	79	3,877	7,702
7-8pm	---	---	---	---	---	3,342	---	---	---	---	---	3,367	6,709
8-9pm	---	---	---	---	---	2,787	---	---	---	---	---	2,745	5,532
9-10pm	---	---	---	---	---	2,438	---	---	---	---	---	2,095	4,533
10-11pm	---	---	---	---	---	2,073	---	---	---	---	---	1,689	3,762
11-12pm	---	---	---	---	---	1,430	---	---	---	---	---	1,092	2,522
Totals	---	---	---	---	---	60,638	---	---	---	---	---	60,361	120,999
7-10am	10,913	12	255	389	194	11,763	11,024	11	40	29	280	11,384	23,147
10am-1pm	8,115	3	188	234	134	8,674	8,535	3	19	20	201	8,778	17,452
1-4pm	9,832	15	234	322	138	10,541	9,709	23	25	9	242	10,008	20,549
4-7pm	10,699	2	237	457	198	11,593	11,633	0	42	10	240	11,925	23,518
7am-7pm	39,559	32	914	1,402	664	42,571	40,901	37	126	68	963	42,095	84,666
6-10am													
3-7pm	14,467	5	294	530	233	15,529	15,164	11	45	13	307	15,540	29,534
6am-7pm													
						45,441						45,612	91,053

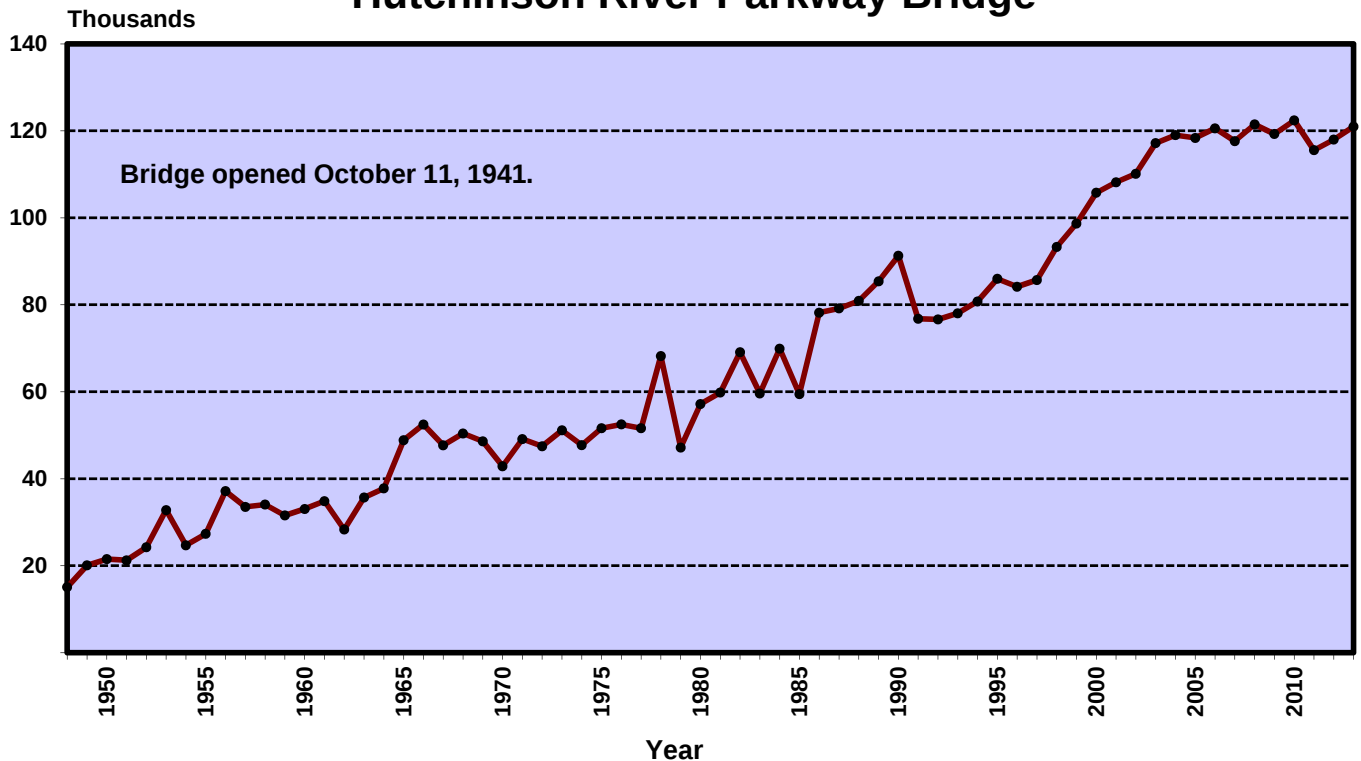
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Hutchinson River Parkway Bridge ~ 2013



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



Hourly Vehicular Volumes

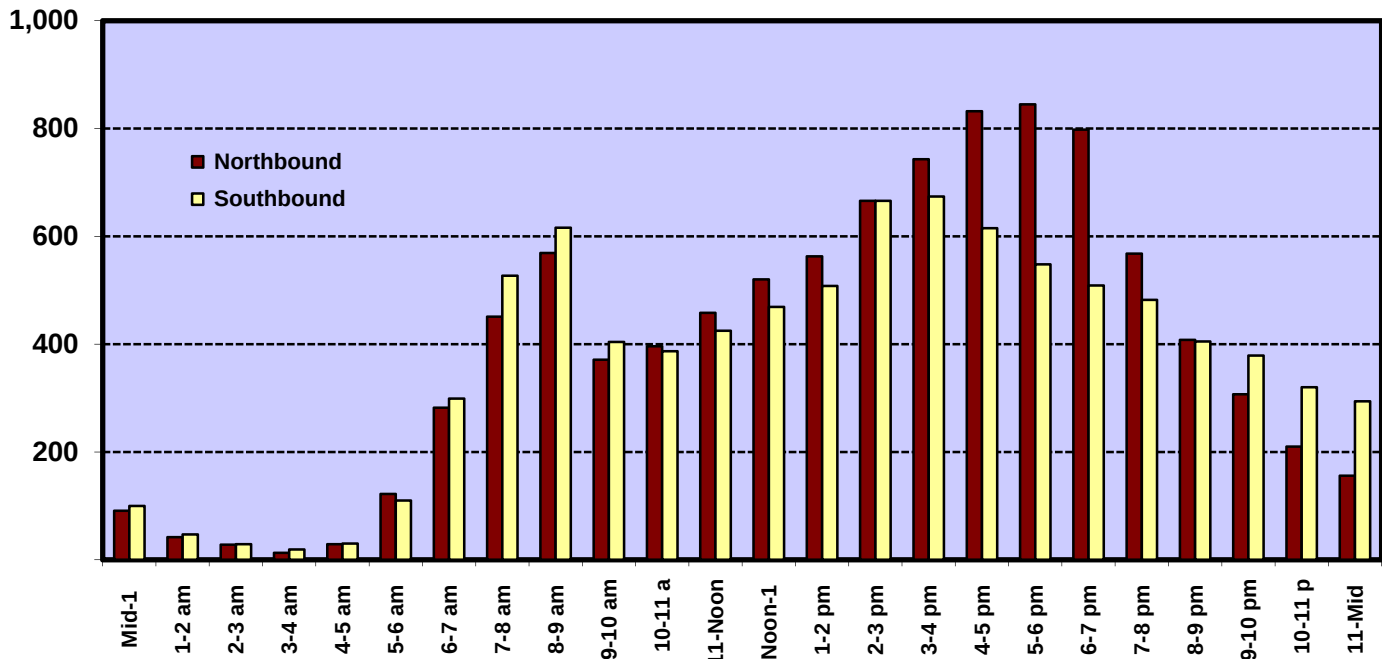
Pelham Bridge - 2013

Northbound															Southbound															2-way Grand Totals																													
Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles															Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles																																												
Autos, SUVs, Family Vans					Taxis, Liveries, Limos					Autos, SUVs, Family Vans					Taxis, Liveries, Limos					Autos, SUVs, Family Vans					Taxis, Liveries, Limos																																		
1, 2, 3					2					2 & 3					4					5 - 7					8 - 13					1, 2, 3					2					2 & 3					4					5 - 7					8 - 13				
FHWA Classes					Classes					Classes					Classes					Classes					Classes					Classes					Classes					Classes					Classes					Classes									
12-1am	71	10	7	0	3	0	91	82	8	6	2	2	0	100	191																																												
1-2am	33	6	3	0	0	0	42	40	2	5	0	0	0	47	89																																												
2-3am	19	0	3	0	6	0	28	21	2	0	0	6	0	29	57																																												
3-4am	9	1	1	0	2	0	13	16	0	1	0	2	0	19	32																																												
4-5am	23	1	1	1	3	0	29	26	1	1	1	1	0	30	59																																												
5-6am	107	4	4	3	4	0	122	100	1	5	1	3	0	110	232																																												
6-7am	241	3	8	25	4	1	282	257	3	13	19	7	0	299	581																																												
7-8am	397	4	25	10	15	0	451	460	5	28	18	16	0	527	978																																												
8-9am	473	5	48	13	29	1	569	539	12	27	14	24	0	616	1,185																																												
9-10am	289	5	46	7	24	0	371	328	9	40	7	19	1	404	775																																												
10-11am	327	11	26	7	25	0	396	317	12	38	7	13	0	387	783																																												
11-12am	398	4	32	4	20	0	458	371	4	26	6	18	0	425	883																																												
12-1pm	450	10	40	6	14	0	520	394	6	34	10	25	0	469	989																																												
1-2pm	481	9	42	10	21	0	563	440	14	31	8	15	0	508	1,071																																												
2-3pm	584	10	31	10	29	2	666	602	12	20	9	22	1	666	1,332																																												
3-4pm	656	10	37	25	14	1	743	584	12	29	29	17	3	674	1,417																																												
4-5pm	780	12	27	9	4	0	832	570	11	20	13	1	0	615	1,447																																												
5-6pm	788	17	16	12	12	0	845	508	9	14	10	7	0	548	1,393																																												
6-7pm	738	16	28	14	1	1	798	473	6	11	13	5	1	509	1,307																																												
7-8pm	541	9	9	6	3	0	568	449	8	12	8	5	0	482	1,050																																												
8-9pm	382	14	7	4	1	0	408	378	11	8	6	2	0	405	813																																												
9-10pm	289	8	7	3	0	0	307	353	5	16	3	2	0	379	686																																												
10-11pm	185	8	9	4	4	0	210	309	3	5	3	0	0	320	530																																												
11-12pm	143	6	4	3	0	0	156	284	5	2	3	0	0	294	450																																												
Totals	8,404	183	461	176	238	6	9,468	7,901	161	392	190	212	6	8,862	18,330																																												
7-10am	1,159	14	119	30	68	1	1,391	1,327	26	95	39	59	1	1,547	2,938																																												
10am-1pm	1,175	25	98	17	59	0	1,374	1,082	22	98	23	56	0	1,281	2,655																																												
1-4pm	1,721	29	110	45	64	3	1,972	1,626	38	80	46	54	4	1,848	3,820																																												
4-7pm	2,306	45	71	35	17	1	2,475	1,551	26	45	36	13	1	1,672	4,147																																												
7am-7pm	6,361	113	398	127	208	5	7,212	5,586	112	318	144	182	6	6,348	13,560																																												
6-10am	1,400	17	127	55	72	2	1,673	1,584	29	108	58	66	1	1,846	3,519																																												
3-7pm	2,962	55	108	60	31	2	3,218	2,135	38	74	65	30	4	2,346	5,564																																												
6am-7pm	6,602	116	406	152	212	6	7,494	5,843	115	331	163	189	6	6,647	14,141																																												

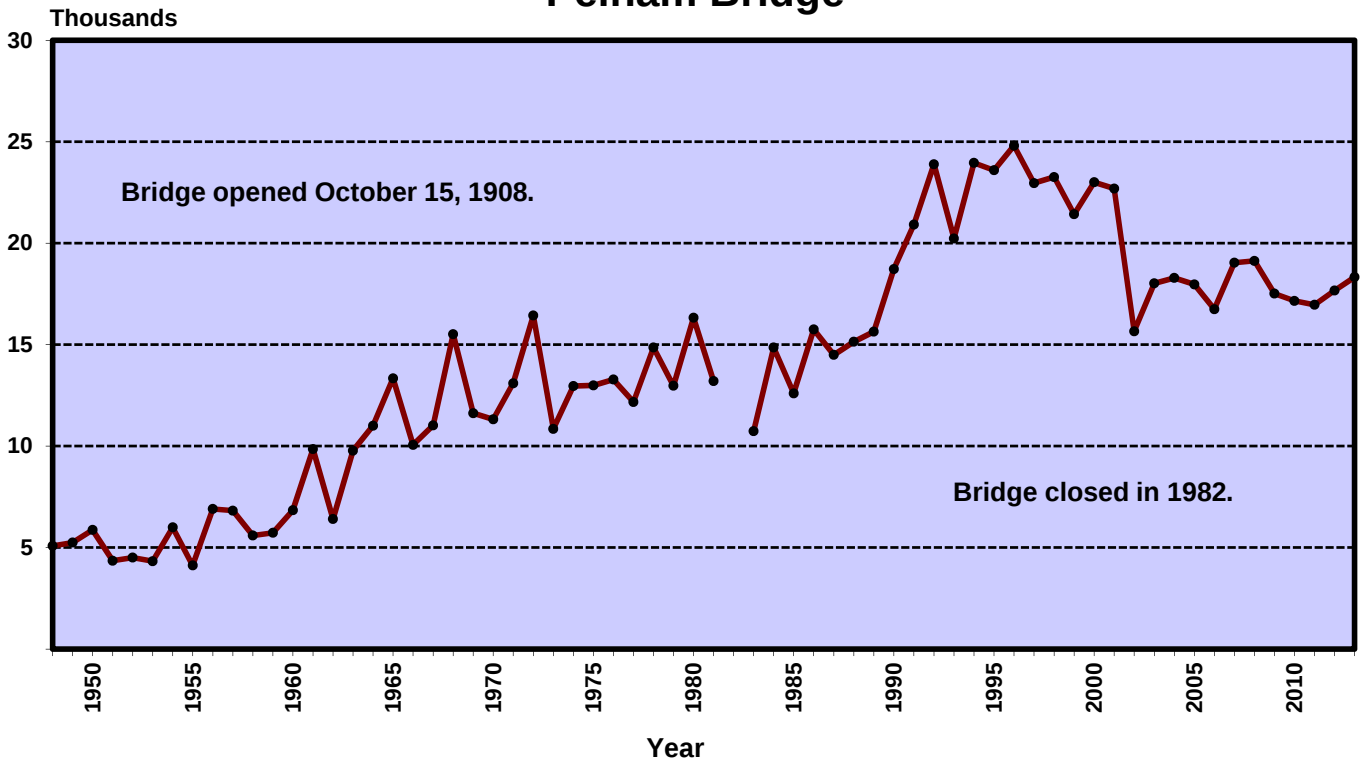
Based on November 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Pelham Bridge ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Pelham Bridge



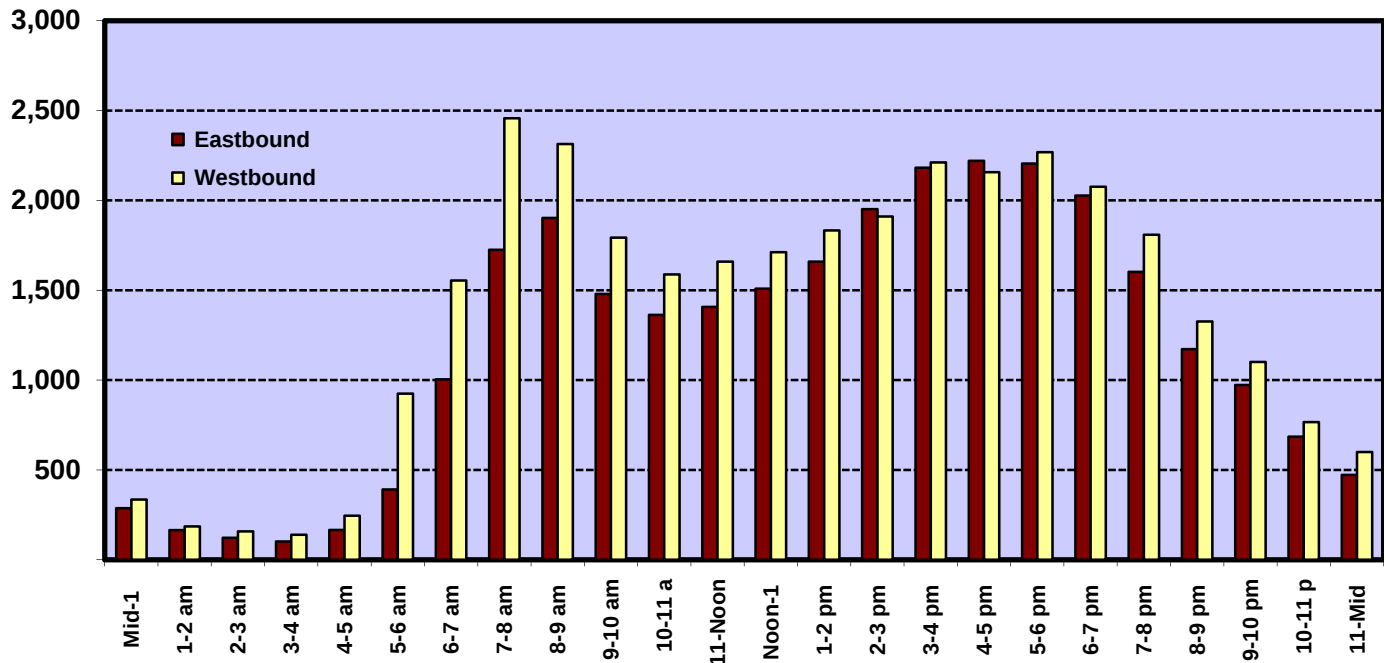
Hourly Vehicular Volumes Unionport Bridge - 2013

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	287	---	---	---	---	---	335
1-2am	---	---	---	---	---	165	---	---	---	---	---	186
2-3am	---	---	---	---	---	122	---	---	---	---	---	158
3-4am	---	---	---	---	---	102	---	---	---	---	---	139
4-5am	---	---	---	---	---	166	---	---	---	---	---	245
5-6am	---	---	---	---	---	391	---	---	---	---	---	925
6-7am	---	---	---	---	---	1,004	---	---	---	---	---	1,554
7-8am	1,497	40	22	125	41	1,725	2,292	45	3	48	69	2,457 **
8-9am	1,604	39	50	137	72	1,902	2,158	27	0	75	54	2,314
9-10am	1,184	33	59	125	78	1,479	1,659	22	0	48	64	1,793
10-11am	1,203	18	19	78	45	1,363	1,495	21	0	18	54	1,588
11-12am	1,103	15	57	156	76	1,407	1,437	17	0	93	112	1,659
12-1pm	1,342	14	29	85	39	1,509	1,632	11	0	37	32	1,712
1-2pm	1,353	12	45	161	88	1,659	1,579	24	2	114	114	1,833
2-3pm	1,670	18	50	151	62	1,951	1,678	27	0	101	104	1,910
3-4pm	2,039	16	19	68	40	2,182	2,039	51	0	49	72	2,211
4-5pm	1,932	19	40	154	75	2,220 **	1,912	30	0	72	143	2,157
5-6pm	1,947	25	50	142	41	2,205	2,075	33	0	73	87	2,268
6-7pm	1,798	36	49	107	37	2,027	1,956	21	0	37	62	2,076
7-8pm	---	---	---	---	---	1,602	---	---	---	---	---	1,809
8-9pm	---	---	---	---	---	1,172	---	---	---	---	---	1,326
9-10pm	---	---	---	---	---	973	---	---	---	---	---	1,101
10-11pm	---	---	---	---	---	685	---	---	---	---	---	766
11-12pm	---	---	---	---	---	472	---	---	---	---	---	600
Totals	---	---	---	---	---	28,770	---	---	---	---	---	33,122
7-10am	4,285	112	131	387	191	5,106	6,109	94	3	171	187	6,564
10am-1pm	3,648	47	105	319	160	4,279	4,564	49	0	148	198	4,959
1-4pm	5,062	46	114	380	190	5,792	5,296	102	2	264	290	5,954
4-7pm	5,677	80	139	403	153	6,452	5,943	84	0	182	292	6,501
7am-7pm	18,672	285	489	1,489	694	21,629	21,912	329	5	765	967	23,978
6-10am						6,110						8,118
3-7pm	7,716	96	158	471	193	8,634	7,982	135	0	231	364	8,712
6am-7pm						22,633						25,532

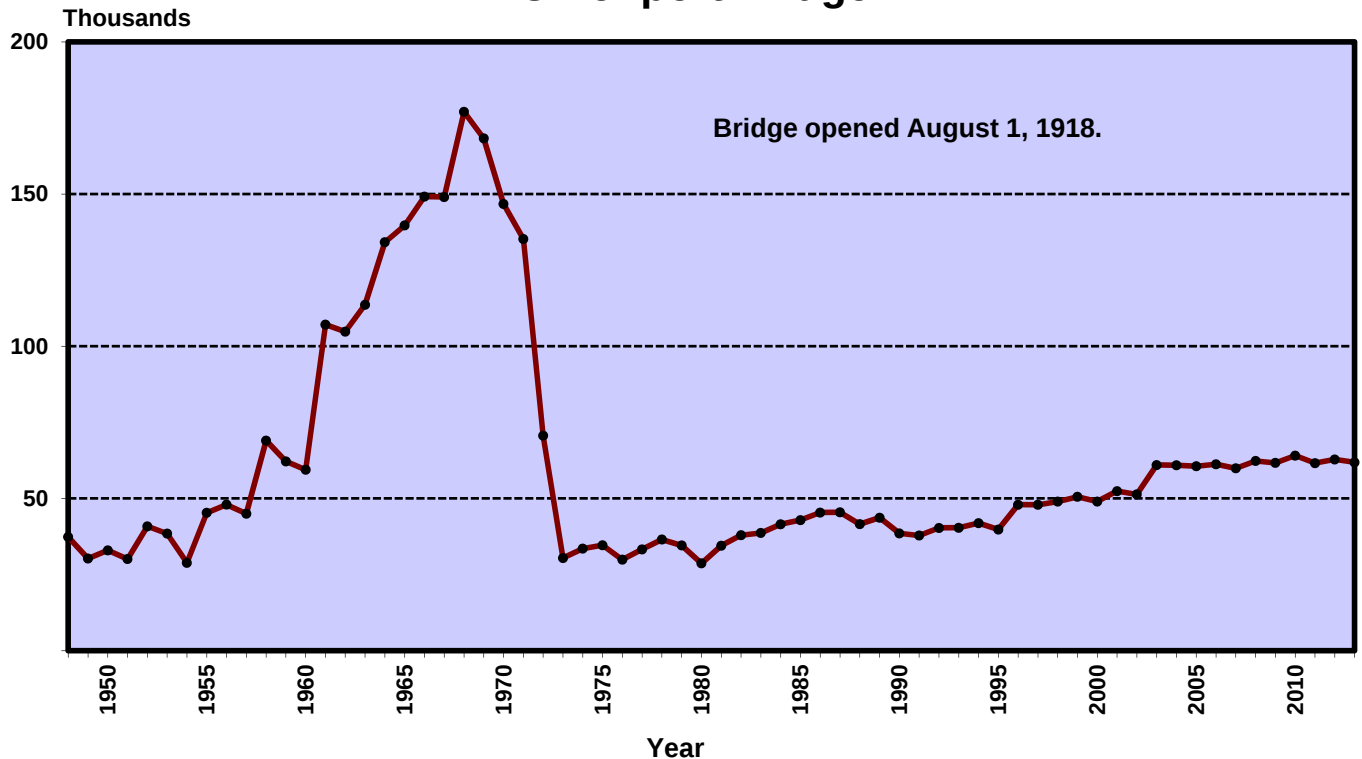
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Unionport Bridge ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Unionport Bridge



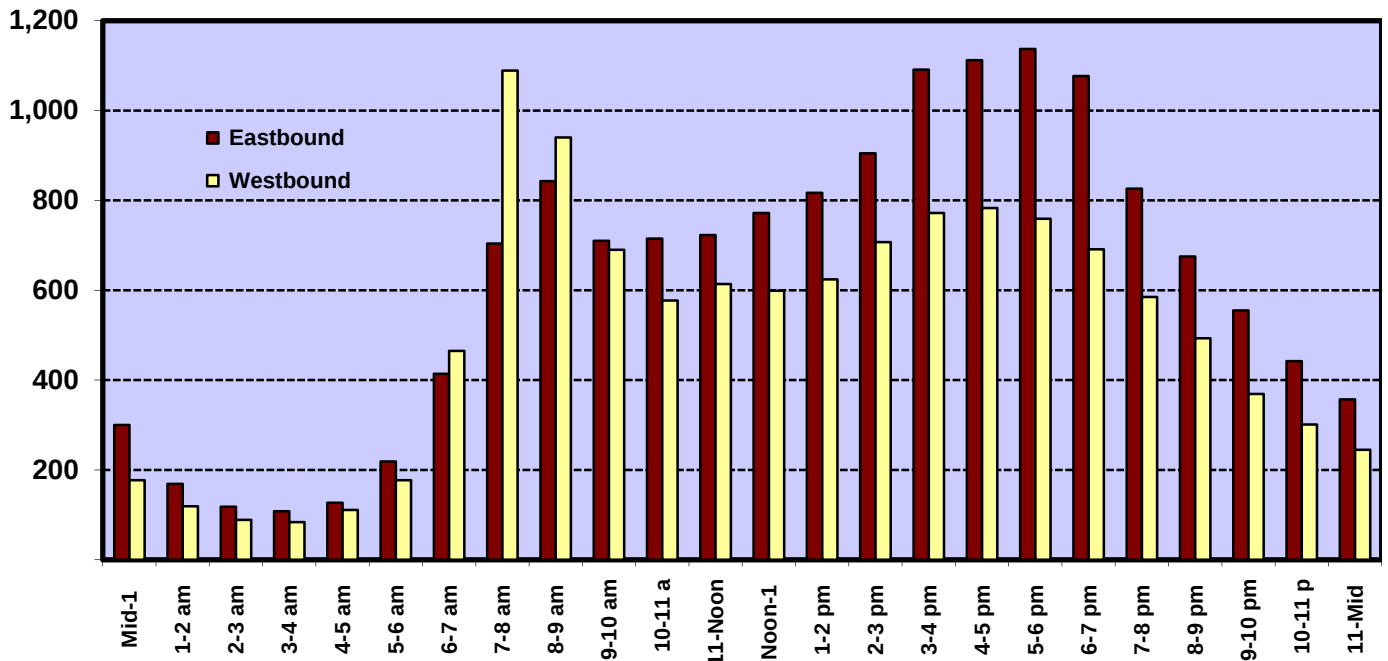
Hourly Vehicular Volumes Westchester Avenue Bridge - 2013

	Eastbound					Totals	Westbound					Totals
	Commuter		Commercial		Autos		Commuter		Commercial			
	Buses	Vans	Trucks	Vans			Buses	Vans	Trucks	Vans		
12-1am	---	---	---	---	300	---	---	---	---	---	---	177
1-2am	---	---	---	---	169	---	---	---	---	---	---	119
2-3am	---	---	---	---	118	---	---	---	---	---	---	89
3-4am	---	---	---	---	108	---	---	---	---	---	---	84
4-5am	---	---	---	---	127	---	---	---	---	---	---	111
5-6am	---	---	---	---	219	---	---	---	---	---	---	177
6-7am	---	---	---	---	414	---	---	---	---	---	---	465
7-8am	599	37	18	27	704	950	43	1	26	69	1,089	**
8-9am	716	61	9	29	843	816	43	1	33	47	940	
9-10am	631	32	14	14	710	590	16	0	27	57	690	
10-11am	651	34	5	10	715	539	17	0	12	9	577	
11-12am	611	28	8	34	723	498	17	0	39	60	614	
12-1pm	724	22	2	9	772	529	20	0	25	25	599	
1-2pm	730	44	9	17	817	566	21	0	11	26	624	
2-3pm	761	55	7	33	905	609	31	0	21	46	707	
3-4pm	985	76	2	16	1,091	715	26	0	14	17	772	
4-5pm	1,004	41	24	23	1,112	687	32	0	22	42	783	
5-6pm	1,042	24	13	22	1,137	652	19	0	20	68	759	**
6-7pm	989	32	2	10	1,077	616	9	0	2	64	691	
7-8pm	---	---	---	---	826	---	---	---	---	---	585	
8-9pm	---	---	---	---	675	---	---	---	---	---	493	
9-10pm	---	---	---	---	555	---	---	---	---	---	369	
10-11pm	---	---	---	---	442	---	---	---	---	---	301	
11-12pm	---	---	---	---	357	---	---	---	---	---	245	
Totals	---	---	---	---	14,916	---	---	---	---	---	12,060	
7-10am	1,946	130	41	70	2,257	2,356	102	2	86	173	2,719	4,976
10am-1pm	1,986	84	15	53	2,210	1,566	54	0	76	94	1,790	4,000
1-4pm	2,476	175	18	66	2,813	1,890	78	0	46	89	2,103	4,916
4-7pm	3,035	97	39	55	3,326	1,955	60	0	44	174	2,233	5,559
7am-7pm	9,443	486	113	244	10,606	7,767	294	2	252	530	8,845	19,451
6-10am					2,671						3,184	5,855
3-7pm	4,020	173	41	71	4,417	2,670	86	0	58	191	3,005	7,422
6am-7pm					11,020						9,310	20,330

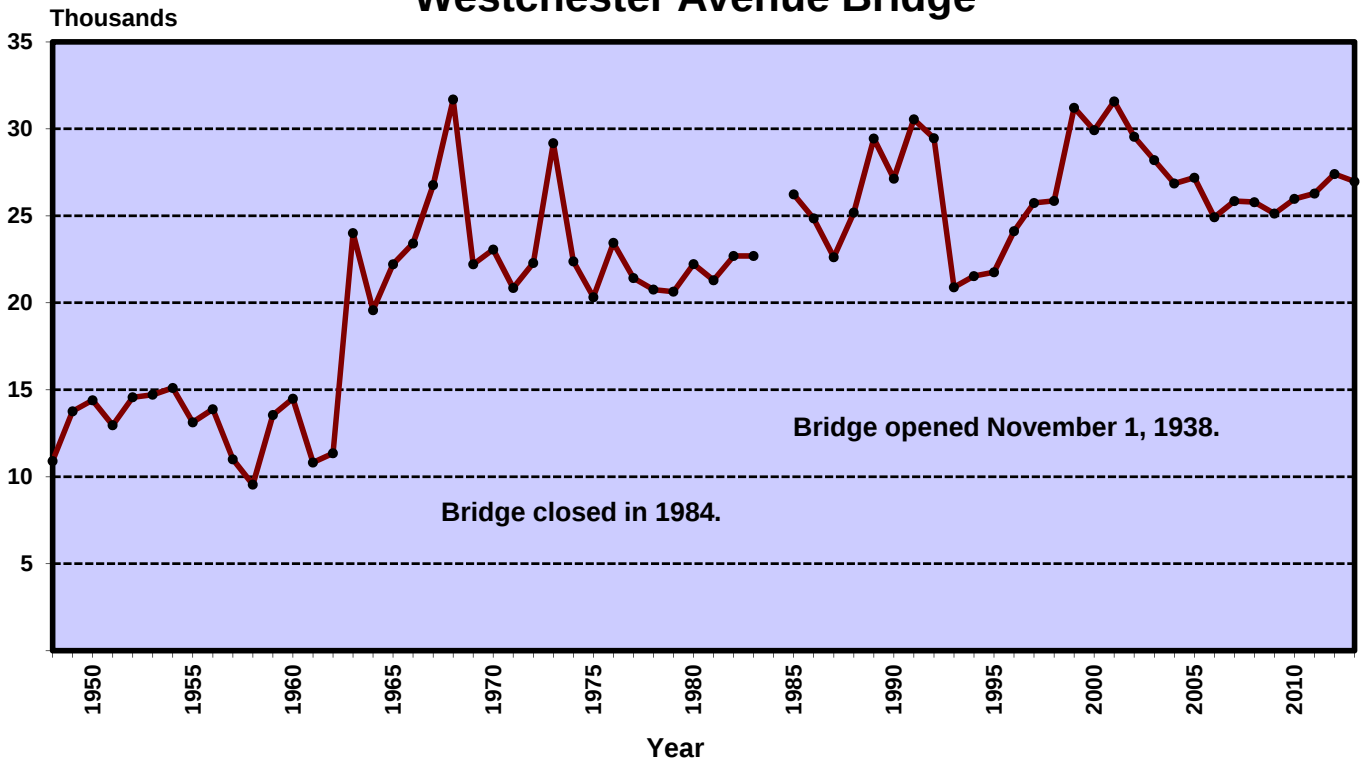
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Westchester Avenue Bridge ~ 2013



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



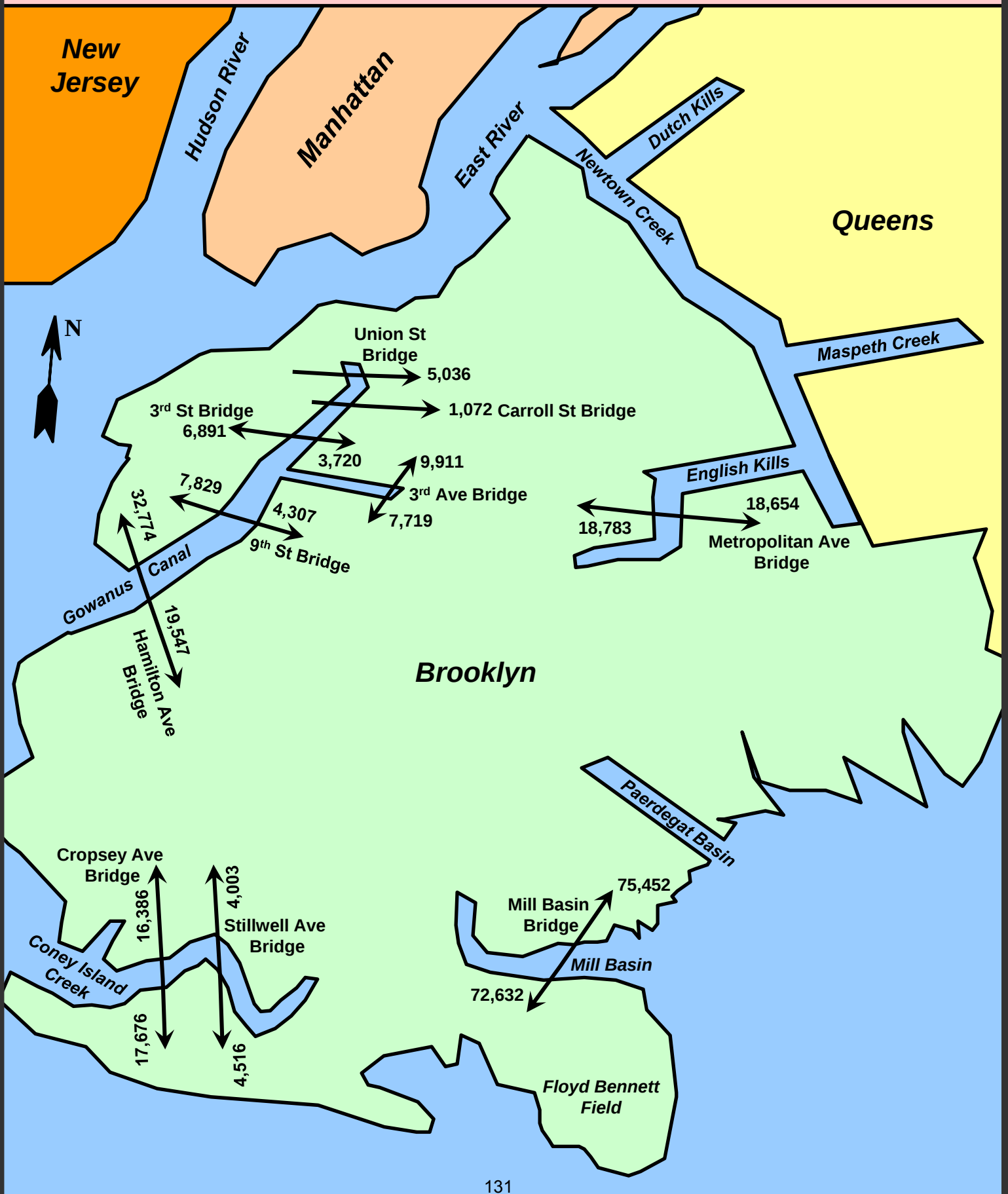
Brooklyn Bridges



3rd Street Bridge

BROOKLYN BRIDGES

2013 Daily Volumes



Brooklyn Bridges
Average Daily Traffic Volumes
1948 - 2013

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

Brooklyn Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2013

<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

Hourly Vehicular Volumes

Carroll Street Bridge - 2013

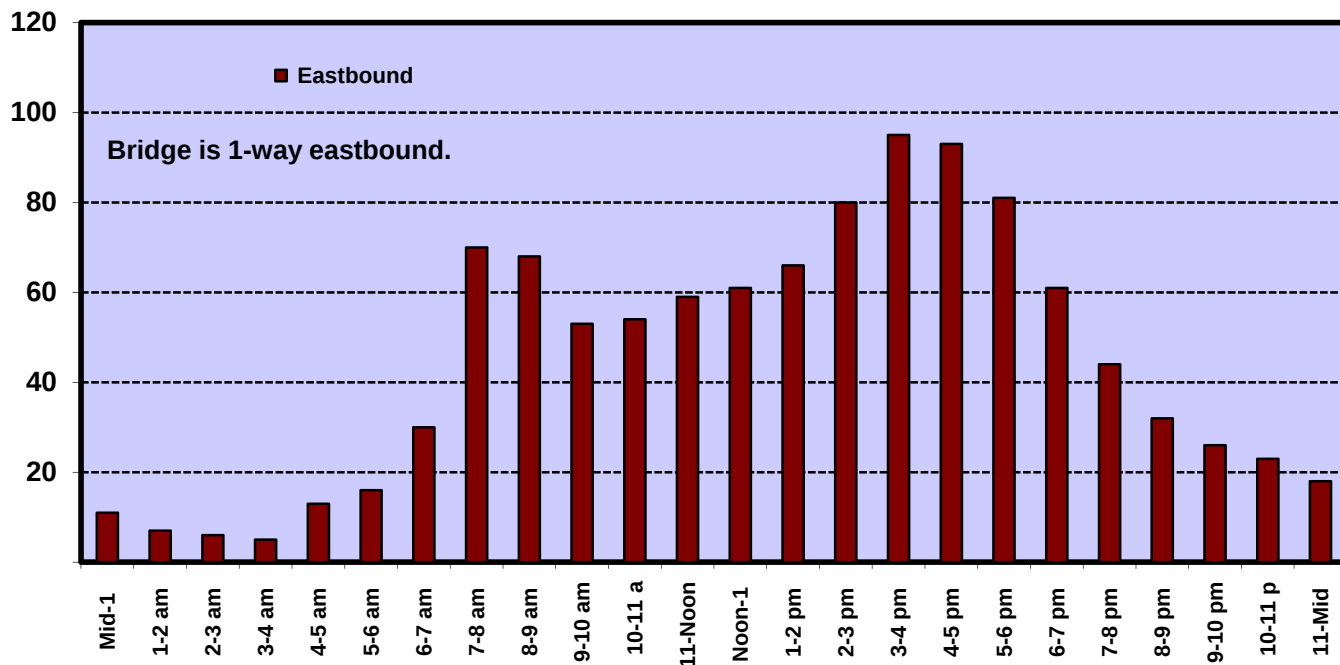
	Eastbound						Westbound						Grand Totals
	Commuter			Commercial			Commuter			Commercial			
	Autos	Buses	Totals	Vans	Trucks	Totals	Autos	Buses	Totals	Vans	Trucks	Totals	
12-1am	---	---	11	---	---	---	---	---	---	---	---	---	11
1-2am	---	---	7	---	---	---	---	---	---	---	---	---	7
2-3am	---	---	6	---	---	---	---	---	---	---	---	---	6
3-4am	---	---	5	---	---	---	---	---	---	---	---	---	5
4-5am	---	---	13	---	---	---	---	---	---	---	---	---	13
5-6am	---	---	16	---	---	---	---	---	---	---	---	---	16
6-7am	---	---	30	---	---	---	---	---	---	---	---	---	30
7-8am	26	0	70	13	18	13	---	---	---	---	---	---	70
8-9am	21	2	68	7	20	18	---	---	---	---	---	---	68
9-10am	19	0	53	6	20	8	---	---	---	---	---	---	53
10-11am	27	0	54	0	16	11	---	---	---	---	---	---	54
11-12am	21	0	59	6	17	15	---	---	---	---	---	---	59
12-1pm	11	0	61	12	18	20	---	---	---	---	---	---	61
1-2pm	19	0	66	10	11	26	---	---	---	---	---	---	66
2-3pm	2	0	80	17	40	21	---	---	---	---	---	---	80
3-4pm	78	0	95	2	9	6	---	---	---	---	---	---	95
4-5pm	71	0	93	3	7	12	---	---	---	---	---	---	93
5-6pm	65	0	81	6	4	6	---	---	---	---	---	---	81
6-7pm	54	0	61	3	1	3	---	---	---	---	---	---	61
7-8pm	---	---	44	---	---	---	---	---	---	---	---	---	44
8-9pm	---	---	32	---	---	---	---	---	---	---	---	---	32
9-10pm	---	---	26	---	---	---	---	---	---	---	---	---	26
10-11pm	---	---	23	---	---	---	---	---	---	---	---	---	23
11-12pm	---	---	18	---	---	---	---	---	---	---	---	---	18
Totals	---	---	1,072	---	---	---	---	---	---	---	---	---	1,072
7-10am	66	2	191	26	58	39	---	---	---	---	---	---	191
10am-1pm	59	0	174	18	51	46	---	---	---	---	---	---	174
1-4pm	99	0	241	29	60	53	---	---	---	---	---	---	241
4-7pm	190	0	235	12	12	21	---	---	---	---	---	---	235
7am-7pm	414	2	841	85	181	159	---	---	---	---	---	---	841
6-10am	---	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	268	0	221	14	21	27	---	---	---	---	---	---	221
6am-7pm	---	---	330	---	---	---	---	---	---	---	---	---	330
	---	---	871	---	---	---	---	---	---	---	---	---	871

Bridge is 1-way eastbound.

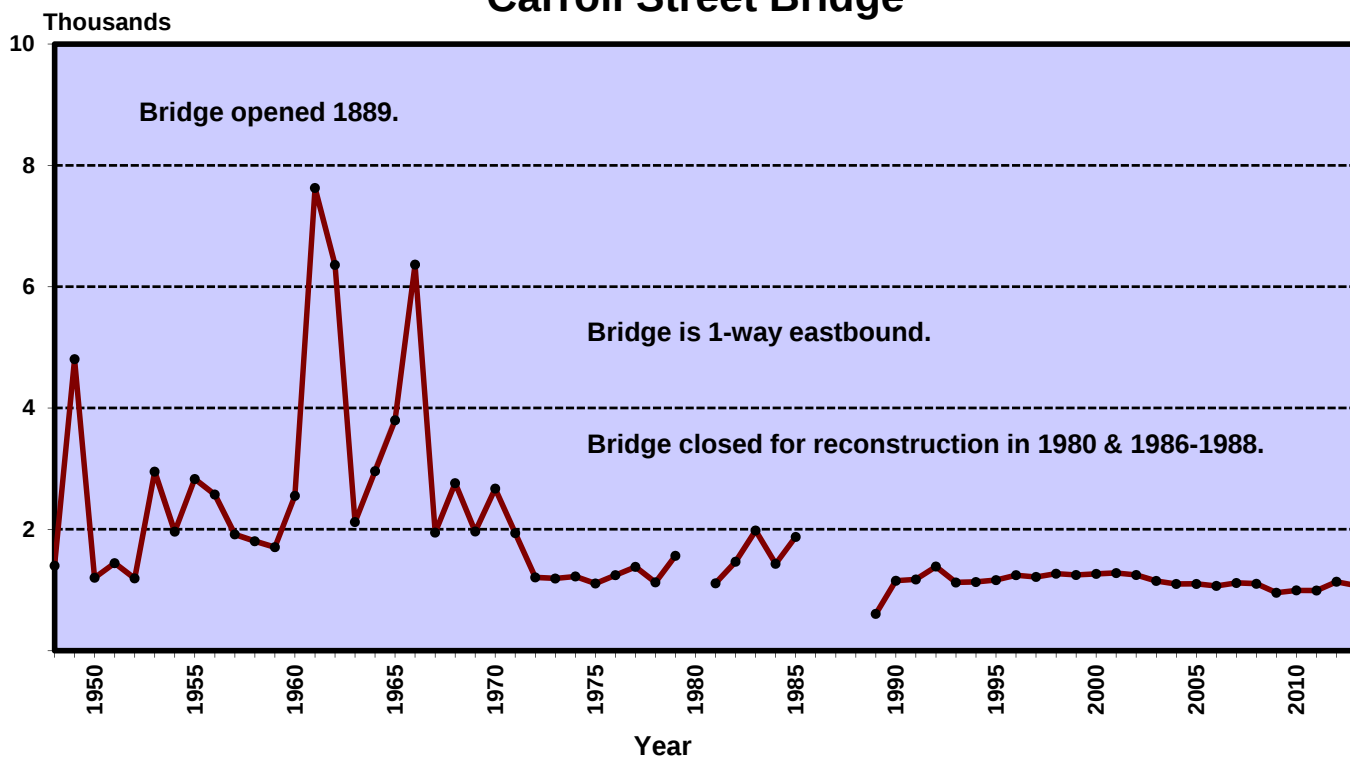
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Carroll Street Bridge ~ 2013



Average Daily Traffic Volumes Carroll Street Bridge



Hourly Vehicular Volumes

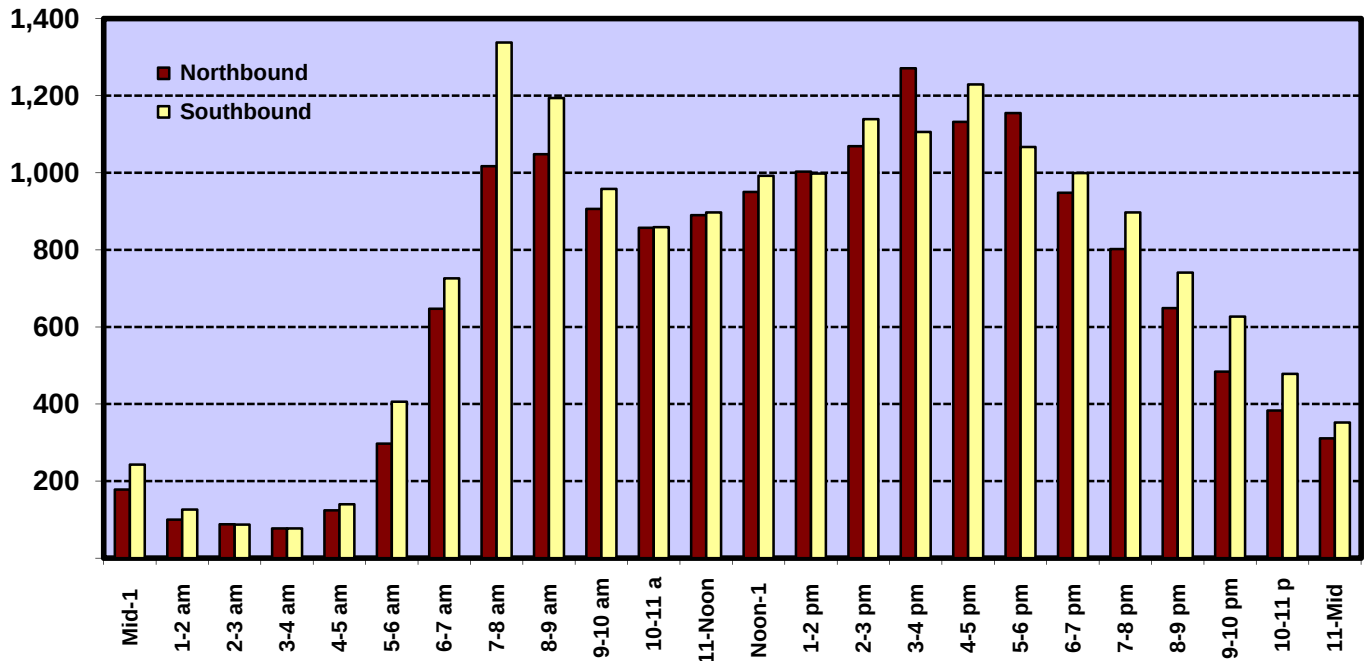
Cropsey Avenue Bridge - 2013

Northbound							Southbound							2-Way Totals
Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals		
12-1am	---	---	---	---	178		---	---	---	---	---	243	421	
1-2am	---	---	---	---	100		---	---	---	---	---	126	226	
2-3am	---	---	---	---	88		---	---	---	---	---	87	175	
3-4am	---	---	---	---	77		---	---	---	---	---	77	154	
4-5am	---	---	---	---	124		---	---	---	---	---	140	264	
5-6am	---	---	---	---	297		---	---	---	---	---	406	703	
6-7am	---	---	---	---	647		---	---	---	---	---	726	1,373	
7-8am	820	72	2	43	80	1,017	1,109	119	0	65	45	1,338	2,355	
8-9am	876	57	3	53	59	1,048	1,014	82	2	56	40	1,194	2,242	
9-10am	724	48	1	48	85	906	740	89	4	53	72	958	1,864	
10-11am	750	42	0	27	38	857	761	25	0	34	39	859	1,716	
11-12am	737	25	0	68	60	890	715	26	1	75	80	897	1,787	
12-1pm	834	45	0	31	40	950	908	32	0	28	24	992	1,942	
1-2pm	861	64	0	33	45	1,003	901	34	1	23	39	998	2,001	
2-3pm	845	81	3	64	76	1,069	943	54	0	64	78	1,139	2,208	
3-4pm	1,088	102	1	35	45	1,271	951	75	2	25	53	1,106	2,377	
4-5pm	959	43	0	58	72	1,132	1,044	59	0	28	98	1,229	2,361	
5-6pm	1,003	13	0	63	76	1,155	904	19	8	42	94	1,067	2,222	
6-7pm	846	21	0	35	46	948	912	7	0	14	66	999	1,947	
7-8pm	---	---	---	---	802		---	---	---	---	---	897	1,699	
8-9pm	---	---	---	---	649		---	---	---	---	---	741	1,390	
9-10pm	---	---	---	---	484		---	---	---	---	---	627	1,111	
10-11pm	---	---	---	---	383		---	---	---	---	---	478	861	
11-12pm	---	---	---	---	311		---	---	---	---	---	352	663	
Totals	---	---	---	---	16,386		---	---	---	---	---	17,676	34,062	
7-10am	2,420	177	6	144	224	2,971	2,863	290	6	174	157	3,490	6,461	
10am-1pm	2,321	112	0	126	138	2,697	2,384	83	1	137	143	2,748	5,445	
1-4pm	2,794	247	4	132	166	3,343	2,795	163	3	112	170	3,243	6,586	
4-7pm	2,808	77	0	156	194	3,235	2,860	85	8	84	258	3,295	6,530	
7am-7pm	10,343	613	10	558	722	12,246	10,902	621	18	507	728	12,776	25,022	
6-10am						3,618						4,216	7,834	
3-7pm	3,896	179	1	191	239	4,506	3,811	160	10	109	311	4,401	8,907	
6am-7pm						12,893						13,502	26,395	

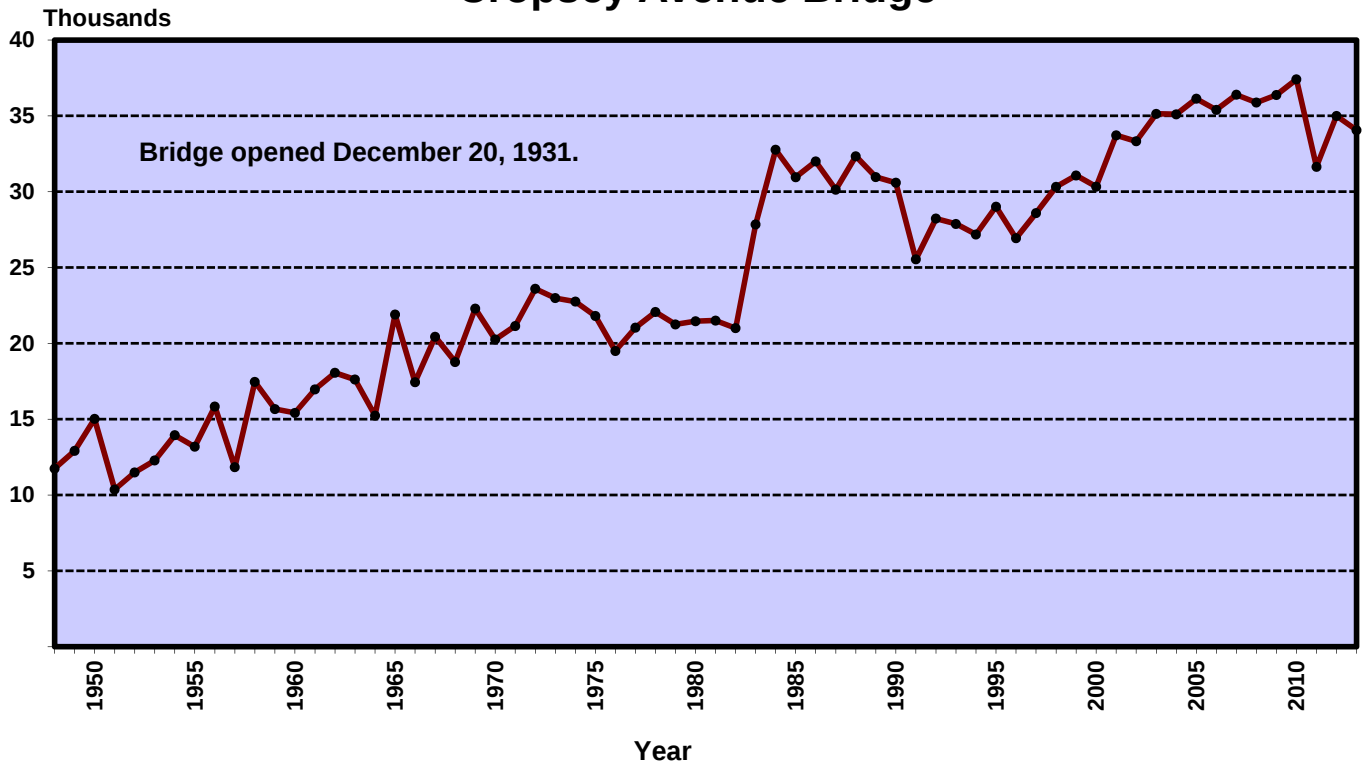
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Cropsey Avenue Bridge ~ 2013



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



Hourly Vehicular Volumes

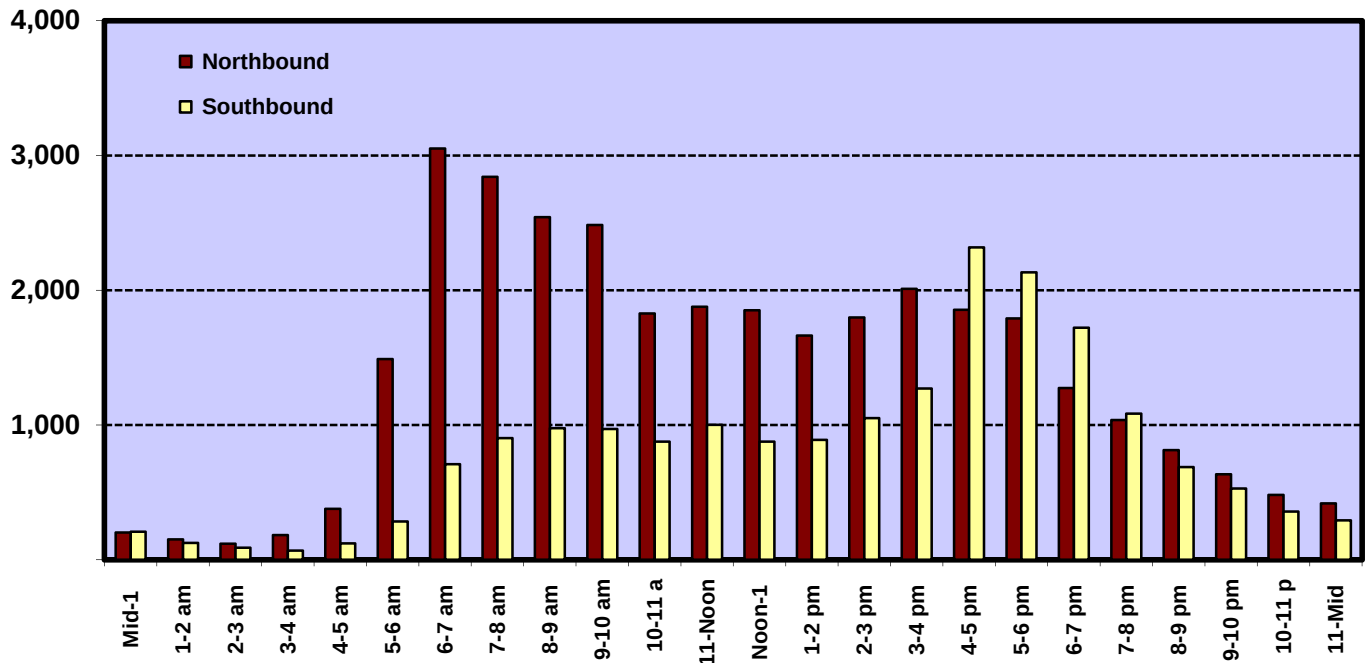
Hamilton Avenue Bridge - 2013

Northbound							Southbound							2-Way Totals
Autos	Buses	Commuter		Commercial		Totals	Autos	Buses	Commuter		Commercial		Totals	
		Vans	Trucks	Vans					Vans	Trucks	Vans			
12-1am	---	---	---	---	---	202	---	---	---	---	---	---	208	
1-2am	---	---	---	---	---	151	---	---	---	---	---	---	125	
2-3am	---	---	---	---	---	119	---	---	---	---	---	---	89	
3-4am	---	---	---	---	---	183	---	---	---	---	---	---	68	
4-5am	---	---	---	---	---	378	---	---	---	---	---	---	122	
5-6am	---	---	---	---	---	1,489	---	---	---	---	---	---	284	
6-7am	---	---	---	---	---	3,052	---	---	---	---	---	---	709	
7-8am	2,303	33	42	212	251	2,841	321	33	134	276	139	903	3,744	
8-9am	2,003	12	37	223	267	2,542	549	32	53	219	124	977	3,519	
9-10am	1,914	28	33	255	254	2,484	396	37	69	333	135	970	3,454	
10-11am	1,566	12	15	121	114	1,828	615	23	36	130	73	877	2,705	
11-12am	1,441	16	20	203	197	1,877	432	17	101	261	190	1,001	2,878	
12-1pm	1,672	9	9	86	76	1,852	667	5	43	96	66	877	2,729	
1-2pm	1,451	23	9	110	71	1,664	644	10	36	122	78	890	2,554	
2-3pm	1,333	47	19	207	192	1,798	444	12	103	263	229	1,051	2,849	
3-4pm	1,704	65	9	124	108	2,010	1,022	13	59	96	81	1,271	3,281	
4-5pm	1,478	49	13	153	162	1,855	1,681	15	172	222	228	2,318	4,173	
5-6pm	1,479	15	13	156	128	1,791	1,705	9	108	116	195	2,133	3,924	
6-7pm	1,097	5	10	59	103	1,274	1,425	9	101	77	110	1,722	2,996	
7-8pm	---	---	---	---	---	1,037	---	---	---	---	---	1,085	2,122	
8-9pm	---	---	---	---	---	814	---	---	---	---	---	688	1,502	
9-10pm	---	---	---	---	---	634	---	---	---	---	---	529	1,163	
10-11pm	---	---	---	---	---	481	---	---	---	---	---	358	839	
11-12pm	---	---	---	---	---	418	---	---	---	---	---	292	710	
Totals	---	---	---	---	---	32,774	---	---	---	---	---	19,547	52,321	
7-10am	6,220	73	112	690	772	7,867	1,266	102	256	828	398	2,850	10,717	
10am-1pm	4,679	37	44	410	387	5,557	1,714	45	180	487	329	2,755	8,312	
1-4pm	4,488	135	37	441	371	5,472	2,110	35	198	481	388	3,212	8,684	
4-7pm	4,054	69	36	368	393	4,920	4,811	33	381	415	533	6,173	11,093	
7am-7pm	19,441	314	229	1,909	1,923	23,816	9,901	215	1,015	2,211	1,648	14,990	38,806	
6-10am						10,919						3,559	14,478	
3-7pm	5,758	134	45	492	501	6,930	5,833	46	440	511	614	7,444	14,374	
6am-7pm						26,868						15,699	42,567	

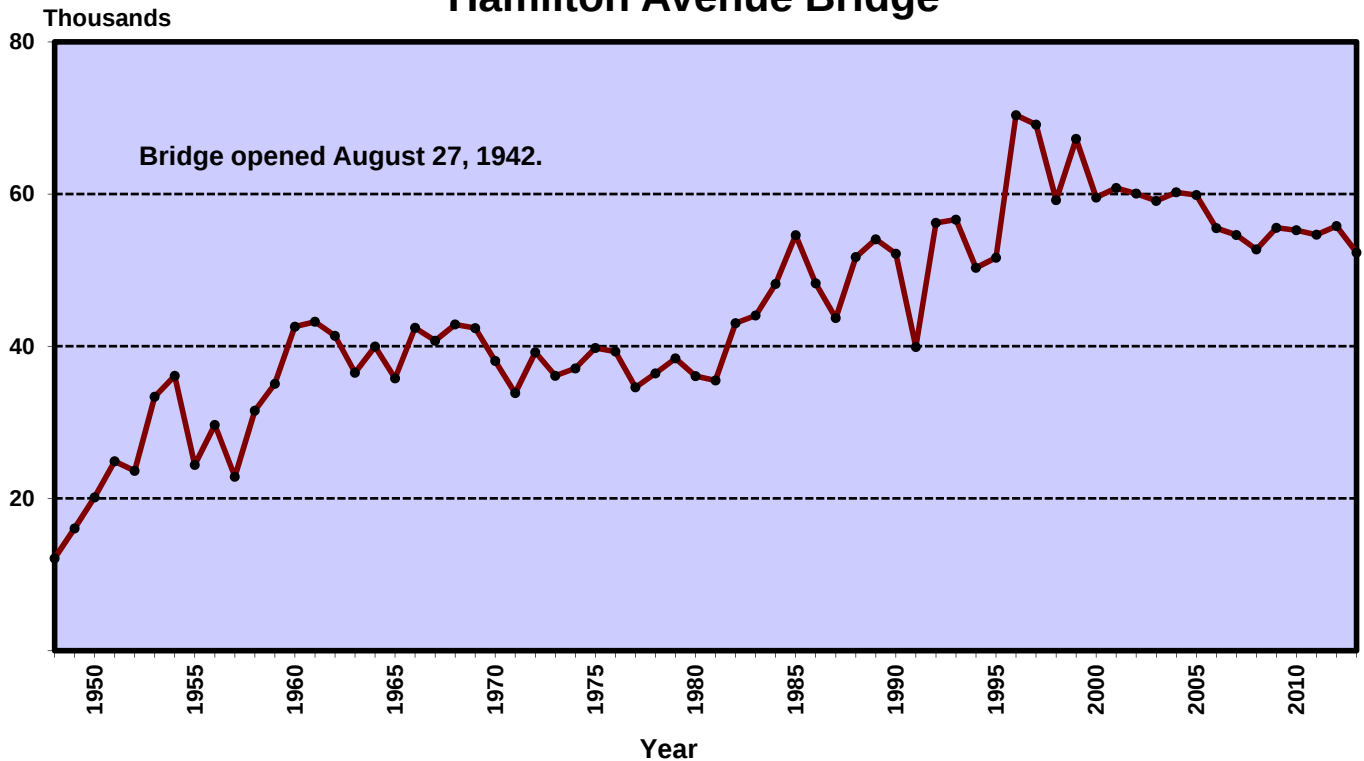
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Hamilton Avenue Bridge ~ 2013



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



Hourly Vehicular Volumes

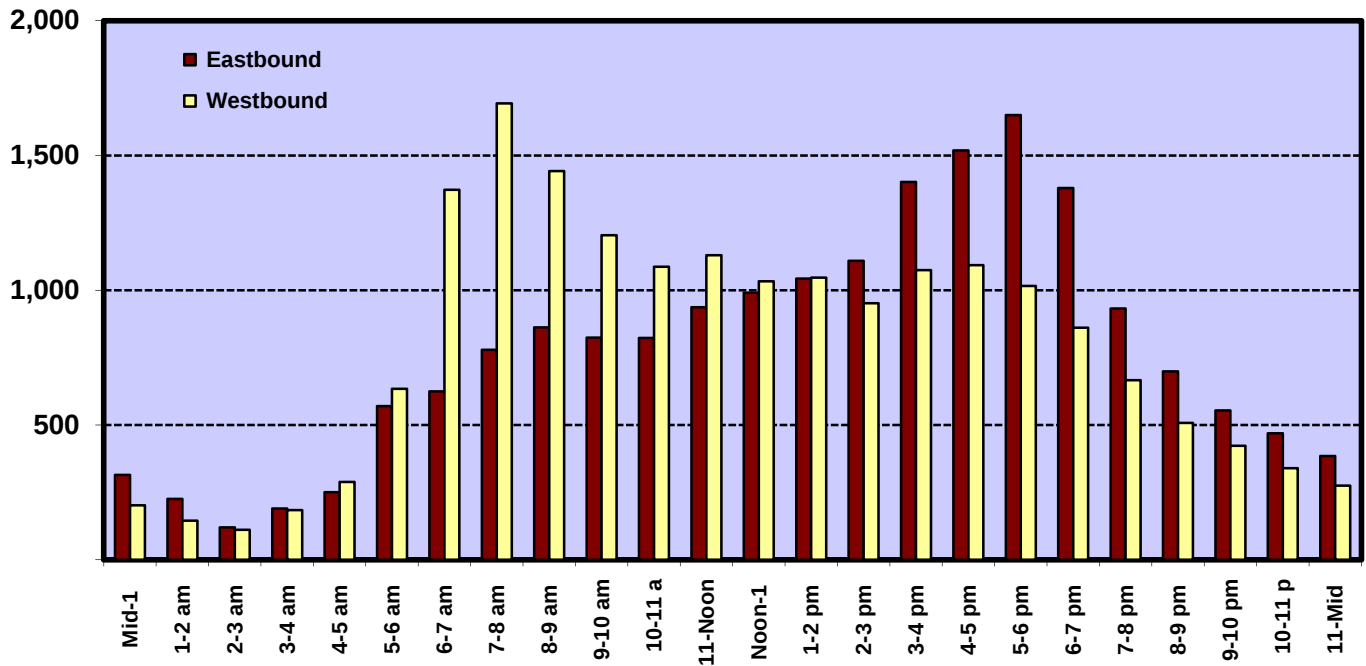
Metropolitan Avenue Bridge - 2013

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	315	---	---	---	---	---	202
1-2am	---	---	---	---	---	226	---	---	---	---	---	145
2-3am	---	---	---	---	---	120	---	---	---	---	---	111
3-4am	---	---	---	---	---	190	---	---	---	---	---	184
4-5am	---	---	---	---	---	251	---	---	---	---	---	289
5-6am	---	---	---	---	---	570	---	---	---	---	---	634
6-7am	---	---	---	---	---	625	---	---	---	---	---	1,373
7-8am	584	15	15	125	40	779	1,253	36	70	239	95	1,693 **
8-9am	556	16	22	179	89	862	1,012	16	47	258	109	1,442
9-10am	425	36	22	243	98	824	729	34	39	296	106	1,204
10-11am	674	7	11	95	36	823	901	20	27	104	35	1,087
11-12am	552	16	26	263	80	937	710	19	51	261	89	1,130
12-1pm	816	16	18	107	34	991	840	16	26	113	38	1,033
1-2pm	847	29	9	106	52	1,043	872	23	22	90	40	1,047
2-3pm	769	13	31	201	95	1,109	654	16	28	175	79	952
3-4pm	1,176	16	30	123	57	1,402	883	21	17	103	51	1,075
4-5pm	1,122	37	62	172	126	1,519	835	14	29	145	70	1,093
5-6pm	1,253	15	78	170	134	1,650 **	795	9	52	87	73	1,016
6-7pm	1,095	12	60	121	91	1,379	720	12	40	47	42	861
7-8pm	---	---	---	---	---	932	---	---	---	---	---	666
8-9pm	---	---	---	---	---	699	---	---	---	---	---	508
9-10pm	---	---	---	---	---	554	---	---	---	---	---	423
10-11pm	---	---	---	---	---	469	---	---	---	---	---	340
11-12pm	---	---	---	---	---	385	---	---	---	---	---	275
Totals	---	---	---	---	---	18,654	---	---	---	---	---	18,783
7-10am	1,565	67	59	547	227	2,465	2,994	86	156	793	310	4,339
10am-1pm	2,042	39	55	465	150	2,751	2,451	55	104	478	162	3,250
1-4pm	2,792	58	70	430	204	3,554	2,409	60	67	368	170	3,074
4-7pm	3,470	64	200	463	351	4,548	2,350	35	121	279	185	2,970
7am-7pm	9,869	228	384	1,905	932	13,318	10,204	236	448	1,918	827	13,633
6-10am	---	---	---	---	---	3,090	---	---	---	---	---	5,712
3-7pm	4,646	80	230	586	408	5,950	3,233	56	138	382	236	4,045
6am-7pm	---	---	---	---	---	13,943	---	---	---	---	---	15,006
2-Way Totals	517	---	---	---	---	---	---	---	---	---	---	---
	371	---	---	---	---	---	---	---	---	---	---	---
	231	---	---	---	---	---	---	---	---	---	---	---
	374	---	---	---	---	---	---	---	---	---	---	---
	540	---	---	---	---	---	---	---	---	---	---	---
	1,204	---	---	---	---	---	---	---	---	---	---	---
	1,998	---	---	---	---	---	---	---	---	---	---	---
	2,472	---	---	---	---	---	---	---	---	---	---	---
	2,304	---	---	---	---	---	---	---	---	---	---	---
	2,028	---	---	---	---	---	---	---	---	---	---	---
	1,910	---	---	---	---	---	---	---	---	---	---	---
	2,067	---	---	---	---	---	---	---	---	---	---	---
	2,024	---	---	---	---	---	---	---	---	---	---	---
	2,090	---	---	---	---	---	---	---	---	---	---	---
	2,061	---	---	---	---	---	---	---	---	---	---	---
	2,477	---	---	---	---	---	---	---	---	---	---	---
	2,612	---	---	---	---	---	---	---	---	---	---	---
	2,666 **	---	---	---	---	---	---	---	---	---	---	---
	2,240	---	---	---	---	---	---	---	---	---	---	---
	1,598	---	---	---	---	---	---	---	---	---	---	---
	1,207	---	---	---	---	---	---	---	---	---	---	---
	977	---	---	---	---	---	---	---	---	---	---	---
	809	---	---	---	---	---	---	---	---	---	---	---
	660	---	---	---	---	---	---	---	---	---	---	---
	37,437	---	---	---	---	---	---	---	---	---	---	---

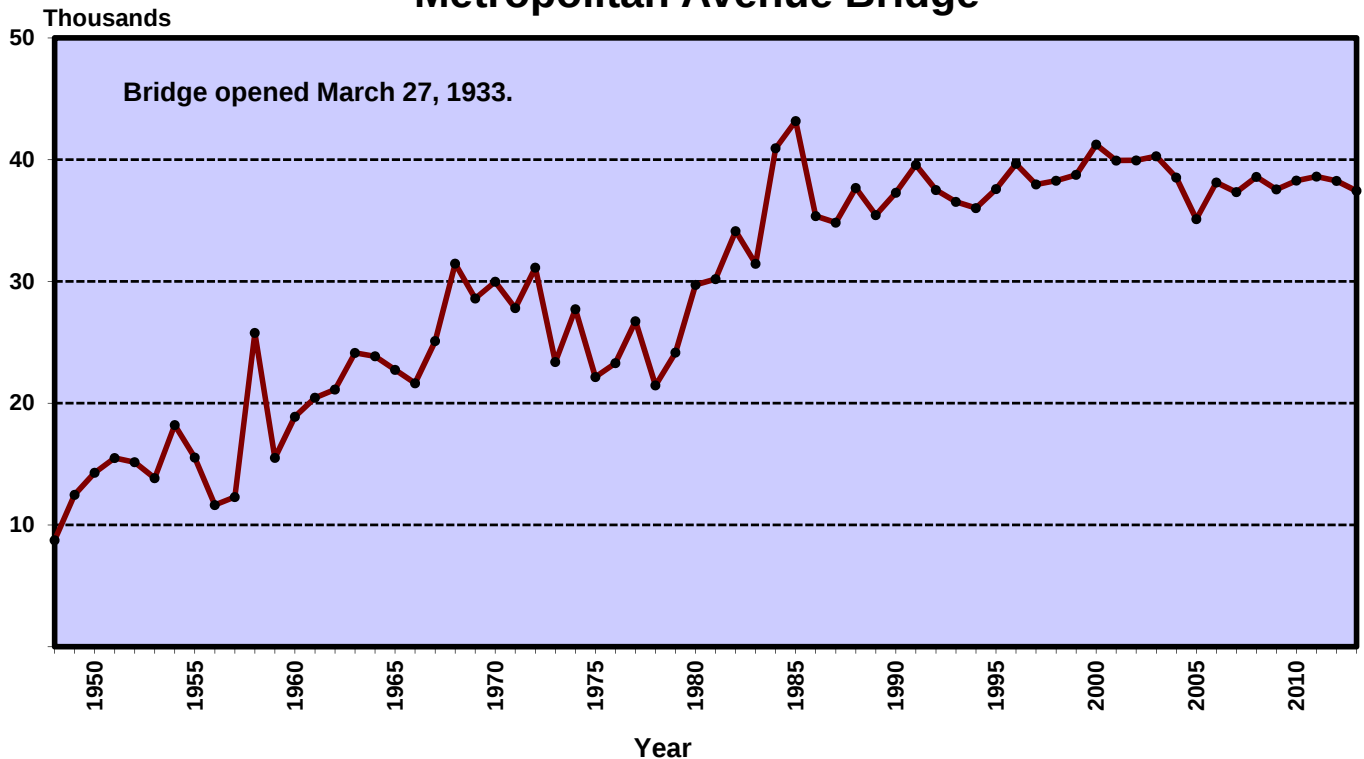
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Metropolitan Avenue Bridge ~ 2013



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



Hourly Vehicular Volumes

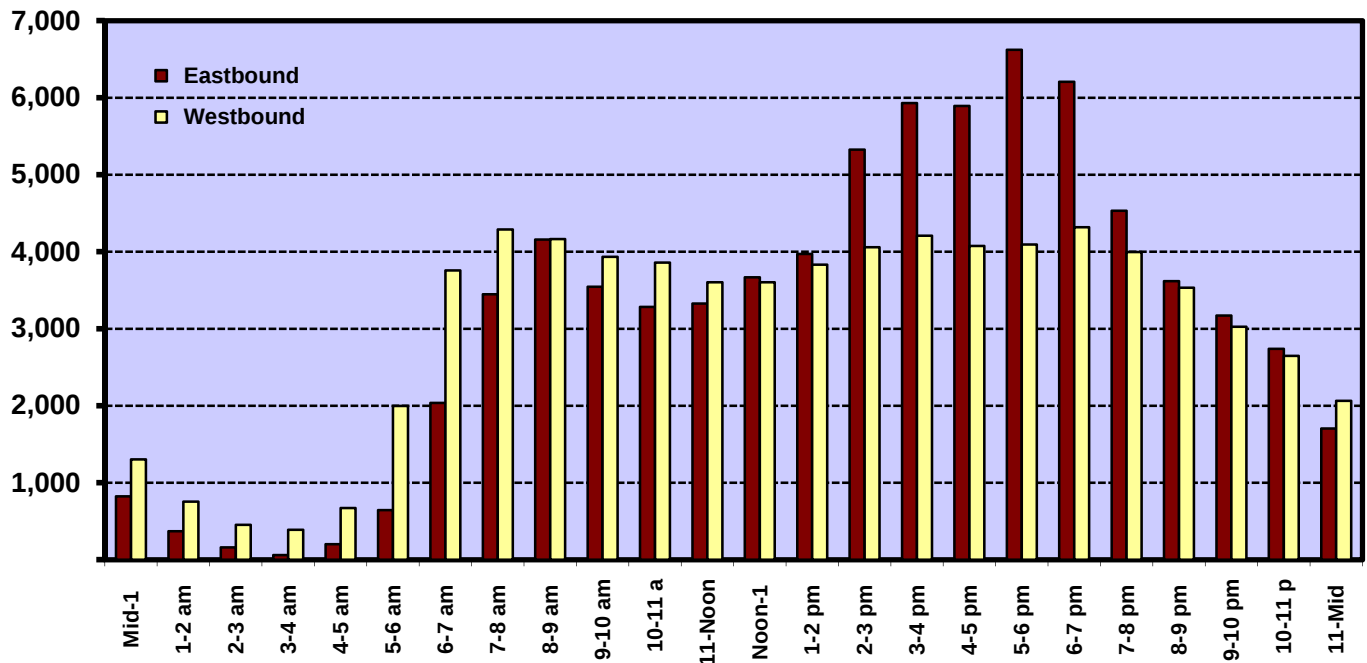
Mill Basin Bridge - 2013

	Eastbound					Totals	Westbound					2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	823	---	---	---	---	---	1,304
1-2am	---	---	---	---	---	371	---	---	---	---	---	755
2-3am	---	---	---	---	---	161	---	---	---	---	---	454
3-4am	---	---	---	---	---	61	---	---	---	---	---	389
4-5am	---	---	---	---	---	203	---	---	---	---	---	672
5-6am	---	---	---	---	---	645	---	---	---	---	---	1,997
6-7am	---	---	---	---	---	2,037	---	---	---	---	---	3,757
7-8am	3,208	45	17	4	174	3,448	3,995	18	0	125	152	4,290
8-9am	3,935	16	14	15	179	4,159	3,810	49	0	111	194	4,164
9-10am	3,267	8	16	22	233	3,546	3,570	70	1	108	184	3,933
10-11am	3,165	8	11	13	87	3,284	3,732	19	0	40	68	3,859
11-12am	2,942	4	65	30	286	3,327	3,254	0	5	173	171	3,603
12-1pm	3,504	5	22	16	122	3,669	3,394	0	0	79	130	3,603
1-2pm	3,717	102	15	13	124	3,971	3,695	11	0	41	85	3,832
2-3pm	4,827	50	33	20	395	5,325	3,761	7	0	115	175	4,058
3-4pm	5,665	33	21	8	204	5,931	3,952	71	0	77	108	4,208
4-5pm	5,487	17	52	9	328	5,893	3,743	37	2	117	177	4,076
5-6pm	6,263	9	27	21	303	6,623	3,789	28	3	122	152	4,094
6-7pm	5,870	6	23	8	300	6,207	4,051	3	1	107	156	4,318
7-8pm	---	---	---	---	---	4,533	---	---	---	---	---	3,997
8-9pm	---	---	---	---	---	3,619	---	---	---	---	---	3,532
9-10pm	---	---	---	---	---	3,172	---	---	---	---	---	3,027
10-11pm	---	---	---	---	---	2,739	---	---	---	---	---	2,647
11-12pm	---	---	---	---	---	1,705	---	---	---	---	---	2,063
Totals	---	---	---	---	---	75,452	---	---	---	---	---	148,084
7-10am	10,410	69	47	41	586	11,153	11,375	137	1	344	530	12,387
10am-1pm	9,611	17	98	59	495	10,280	10,380	19	5	292	369	11,065
1-4pm	14,209	185	69	41	723	15,227	11,408	89	0	233	368	12,098
4-7pm	17,620	32	102	38	931	18,723	11,583	68	6	346	485	12,488
7am-7pm	51,850	303	316	179	2,735	55,383	44,746	313	12	1,215	1,752	48,038
6-10am	---	---	---	---	---	13,190	---	---	---	---	---	16,144
3-7pm	23,285	65	123	46	1,135	24,654	15,535	139	6	423	593	16,696
6am-7pm	---	---	---	---	---	57,420	---	---	---	---	---	51,795

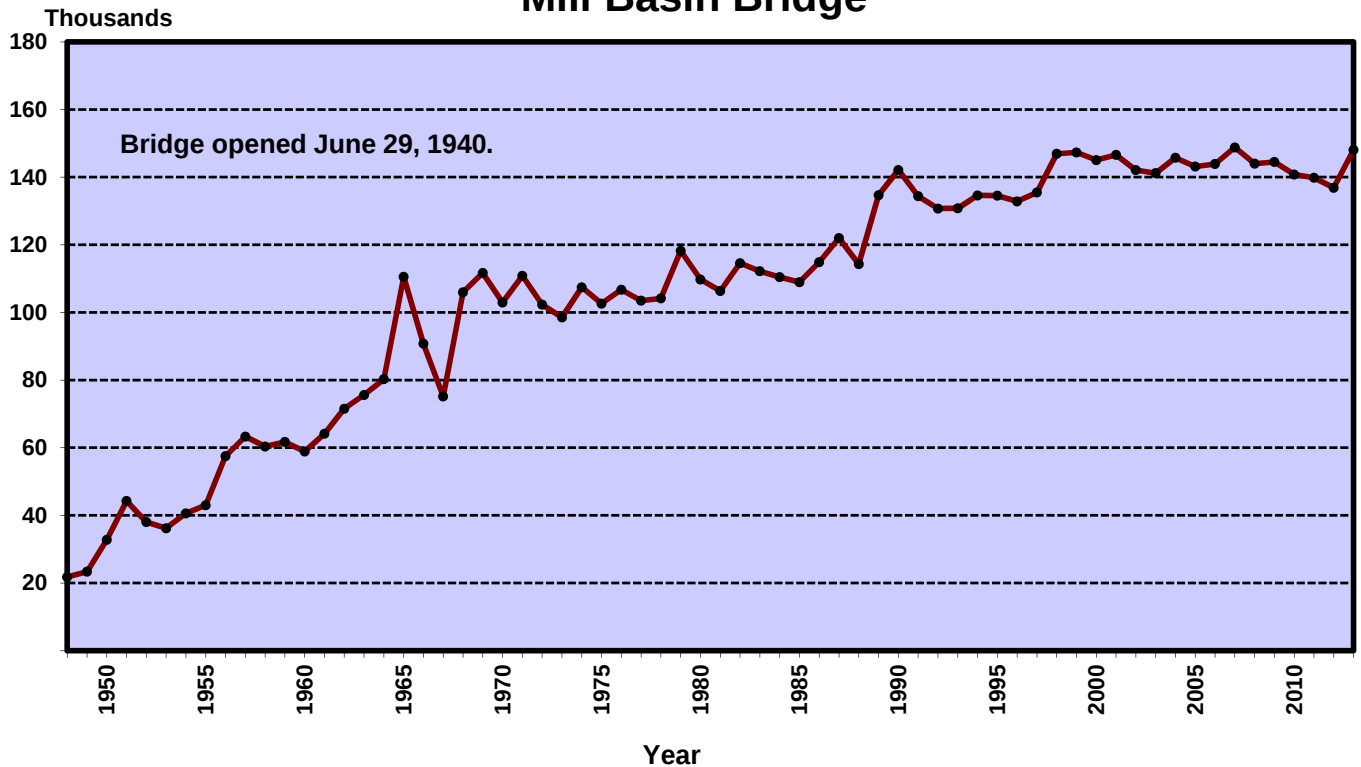
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Mill Basin Bridge ~ 2013



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



Hourly Vehicular Volumes

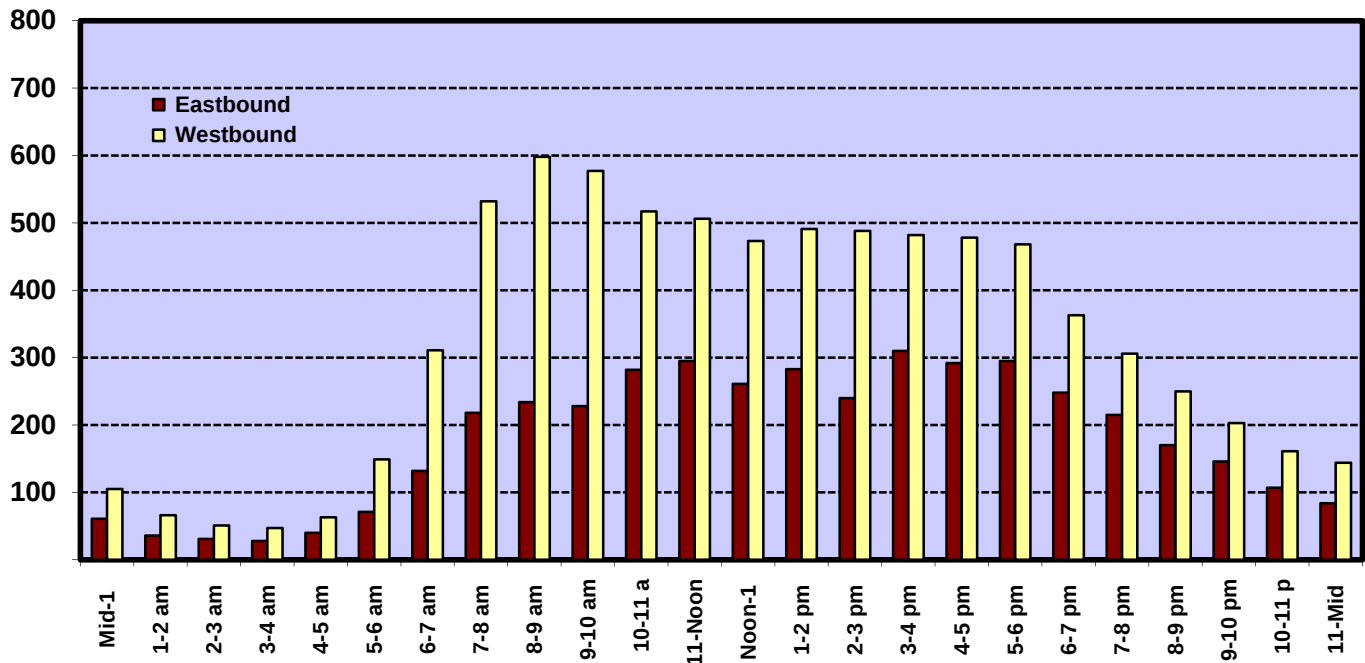
Ninth Street Bridge - 2013

	<i>Eastbound</i>					<i>Westbound</i>					<i>2-Way Totals</i>	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals
12-1am	---	---	---	---	---	61	---	---	---	---	---	105
1-2am	---	---	---	---	---	36	---	---	---	---	---	66
2-3am	---	---	---	---	---	31	---	---	---	---	---	51
3-4am	---	---	---	---	---	28	---	---	---	---	---	47
4-5am	---	---	---	---	---	40	---	---	---	---	---	63
5-6am	---	---	---	---	---	71	---	---	---	---	---	149
6-7am	---	---	---	---	---	132	---	---	---	---	---	311
7-8am	158	23	6	18	13	218	431	11	0	49	41	532
8-9am	145	20	9	45	15	234	500	5	0	52	41	598
9-10am	144	17	4	43	20	228	485	12	0	49	31	577
10-11am	220	21	4	24	13	282	467	11	0	21	18	517
11-12am	196	18	13	55	13	295	317	35	0	106	48	506
12-1pm	201	13	11	25	11	261	311	33	0	87	42	473
1-2pm	136	17	18	94	18	283	371	9	49	31	31	491
2-3pm	147	16	11	48	18	240	378	21	18	41	30	488
3-4pm	250	16	3	24	17	310	404	23	0	35	20	482
4-5pm	219	13	6	32	22	292	368	16	0	58	36	478
5-6pm	228	19	1	34	13	295	395	27	0	27	19	468
6-7pm	170	16	1	44	17	248	328	11	0	15	9	363
7-8pm	---	---	---	---	---	215	---	---	---	---	---	306
8-9pm	---	---	---	---	---	170	---	---	---	---	---	250
9-10pm	---	---	---	---	---	146	---	---	---	---	---	203
10-11pm	---	---	---	---	---	107	---	---	---	---	---	161
11-12pm	---	---	---	---	---	84	---	---	---	---	---	144
Totals	---	---	---	---	---	4,307	---	---	---	---	---	7,829
7-10am	447	60	19	106	48	680	1,416	28	0	150	113	1,707
10am-1pm	617	52	28	104	37	838	1,095	79	0	214	108	1,496
1-4pm	533	49	32	166	53	833	1,153	53	67	107	81	1,461
4-7pm	617	48	8	110	52	835	1,091	54	0	100	64	1,309
7am-7pm	2,214	209	87	486	190	3,186	4,755	214	67	571	366	5,973
6-10am	---	---	---	---	---	812	---	---	---	---	---	2,018
3-7pm	867	64	11	134	69	1,145	1,495	77	0	135	84	1,791
6am-7pm	---	---	---	---	---	3,318	---	---	---	---	---	6,284

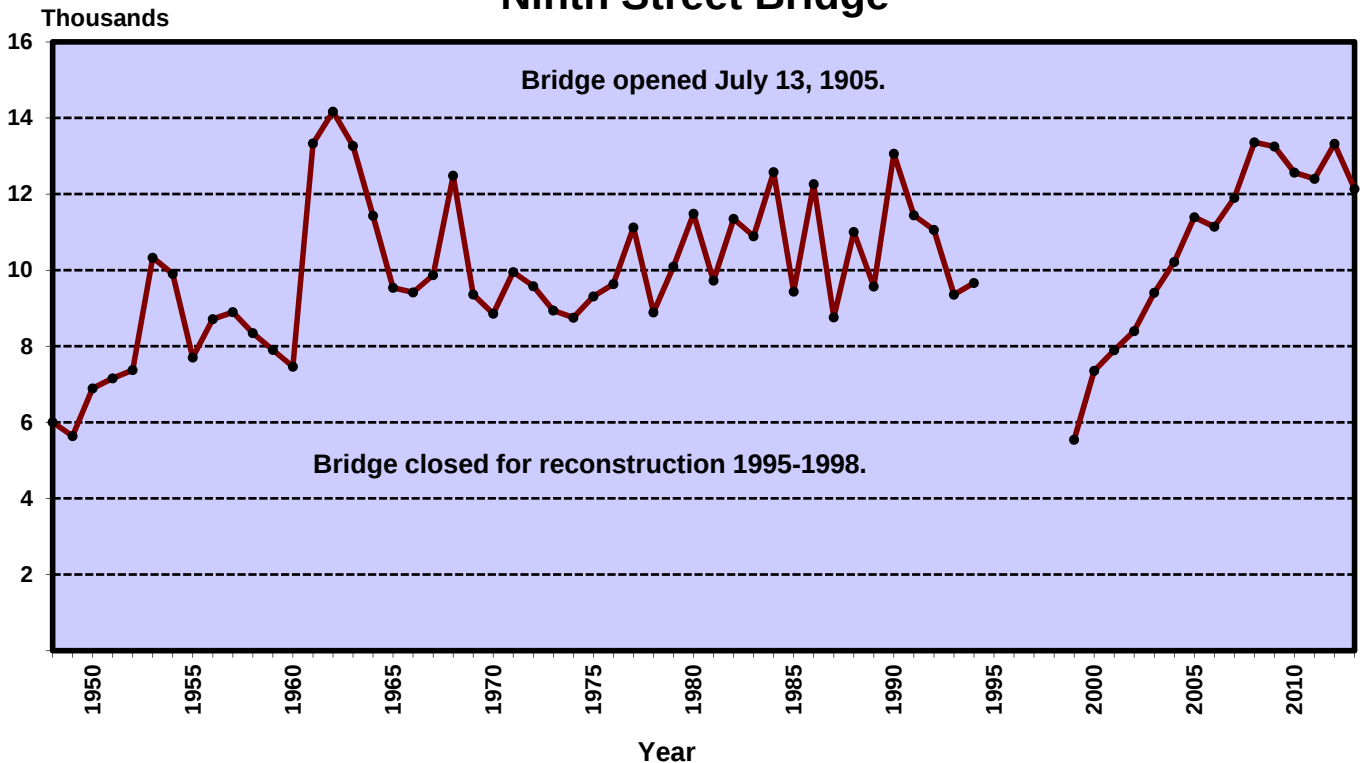
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Ninth Street Bridge ~ 2013



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



Hourly Vehicular Volumes

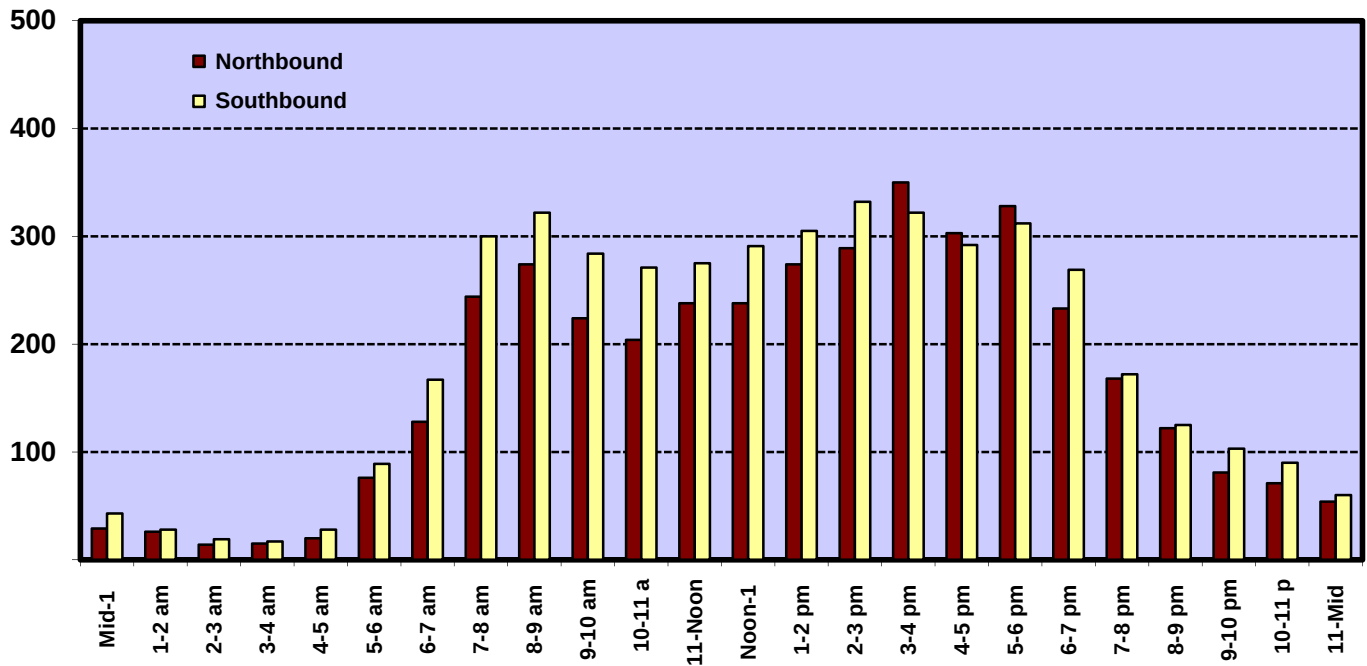
Stillwell Avenue Bridge - 2013

	Northbound					Totals	Southbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	29	---	---	---	---	---	43
1-2am	---	---	---	---	---	26	---	---	---	---	---	28
2-3am	---	---	---	---	---	14	---	---	---	---	---	19
3-4am	---	---	---	---	---	15	---	---	---	---	---	17
4-5am	---	---	---	---	---	20	---	---	---	---	---	28
5-6am	---	---	---	---	---	76	---	---	---	---	---	89
6-7am	---	---	---	---	---	128	---	---	---	---	---	167
7-8am	194	18	0	32	0	244	233	51	0	16	0	300
8-9am	208	28	0	38	0	274	266	35	0	21	0	322
9-10am	167	26	0	31	0	224	185	17	0	82	0	284
10-11am	146	22	0	36	0	204	196	21	0	54	0	271
11-12am	178	10	0	50	0	238	220	14	0	41	0	275
12-1pm	166	11	0	61	0	238	233	17	0	41	0	291
1-2pm	184	21	0	69	0	274	222	19	0	64	0	305
2-3pm	207	25	0	57	0	289	217	25	0	90	0	332
3-4pm	271	36	0	43	0	350	262	17	0	43	0	322
4-5pm	234	31	0	38	0	303	237	17	0	38	0	292
5-6pm	286	22	0	20	0	328	267	16	0	29	0	312
6-7pm	201	22	0	10	0	233	236	22	0	11	0	269
7-8pm	---	---	---	---	---	168	---	---	---	---	---	172
8-9pm	---	---	---	---	---	122	---	---	---	---	---	125
9-10pm	---	---	---	---	---	81	---	---	---	---	---	103
10-11pm	---	---	---	---	---	71	---	---	---	---	---	90
11-12pm	---	---	---	---	---	54	---	---	---	---	---	60
Totals	---	---	---	---	---	4,003	---	---	---	---	---	4,516
7-10am	569	72	0	101	0	742	684	103	0	119	0	906
10am-1pm	490	43	0	147	0	680	649	52	0	136	0	837
1-4pm	662	82	0	169	0	913	701	61	0	197	0	959
4-7pm	721	75	0	68	0	864	740	55	0	78	0	873
7am-7pm	2,442	272	0	485	0	3,199	2,774	271	0	530	0	3,575
6-10am						870						1,073
3-7pm	992	111	0	111	0	1,214	1,002	72	0	121	0	1,195
6am-7pm						3,327						3,742

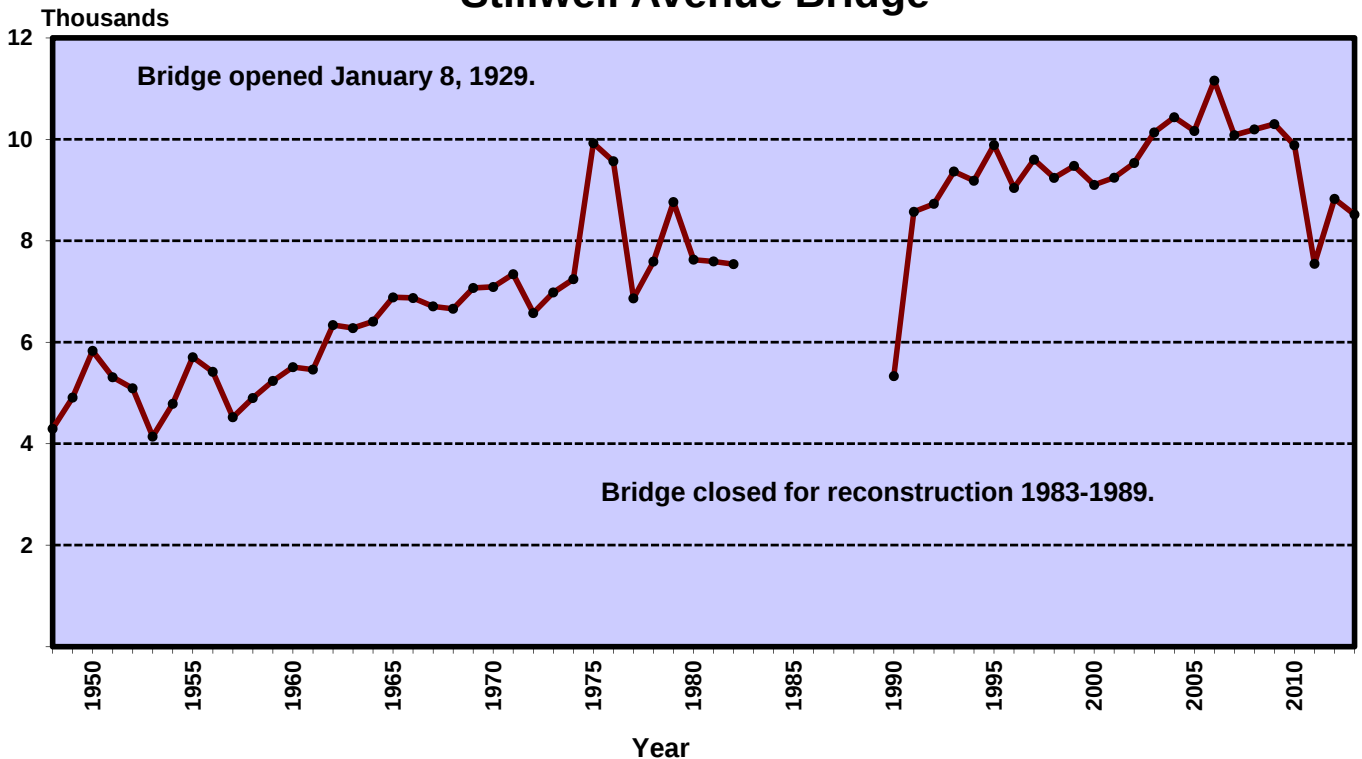
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Stillwell Avenue Bridge ~ 2013



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



Hourly Vehicular Volumes

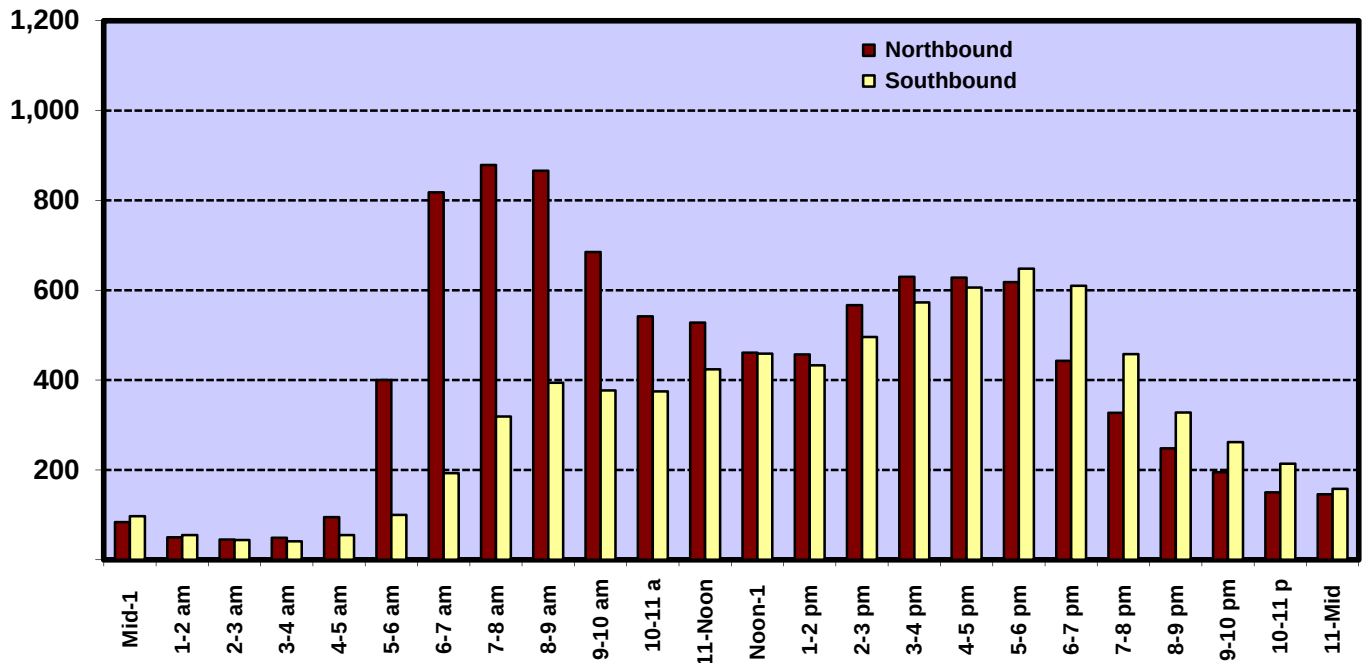
Third Avenue Bridge - 2013

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	84	---	---	---	---	---	97
1-2am	---	---	---	---	---	50	---	---	---	---	---	55
2-3am	---	---	---	---	---	45	---	---	---	---	---	44
3-4am	---	---	---	---	---	44	---	---	---	---	---	41
4-5am	---	---	---	---	---	95	---	---	---	---	---	55
5-6am	---	---	---	---	---	400	---	---	---	---	---	100
6-7am	---	---	---	---	---	818	---	---	---	---	---	193
7-8am	696	13	0	98	72	879 **	237	6	0	43	33	319
8-9am	719	9	0	74	64	866	286	11	0	64	33	394
9-10am	433	8	0	145	99	685	264	7	2	63	41	377
10-11am	469	9	0	34	30	542	314	4	1	32	24	375
11-12am	386	8	1	83	50	528	318	4	0	60	42	424
12-1pm	415	3	0	25	18	461	406	3	1	26	23	459
1-2pm	362	7	0	51	37	457	375	4	0	29	25	433
2-3pm	368	16	0	106	77	567	361	6	0	81	48	496
3-4pm	522	14	0	50	44	630	521	5	0	20	27	573
4-5pm	489	9	0	63	67	628	491	6	0	50	59	606
5-6pm	540	6	0	29	43	618	562	3	0	36	47	648 **
6-7pm	383	9	0	30	21	443	519	5	0	37	49	610
7-8pm	---	---	---	---	---	327	---	---	---	---	---	458
8-9pm	---	---	---	---	---	248	---	---	---	---	---	328
9-10pm	---	---	---	---	---	195	---	---	---	---	---	262
10-11pm	---	---	---	---	---	150	---	---	---	---	---	214
11-12pm	---	---	---	---	---	146	---	---	---	---	---	158
Totals	---	---	---	---	---	9,911	---	---	---	---	---	7,719
7-10am	1,848	30	0	317	235	2,430	787	24	2	170	107	1,090
10am-1pm	1,270	20	1	142	98	1,531	1,038	11	2	118	89	1,258
1-4pm	1,252	37	0	207	158	1,654	1,257	15	0	130	100	1,502
4-7pm	1,412	24	0	122	131	1,689	1,572	14	0	123	155	1,864
7am-7pm	5,782	111	1	788	622	7,304	4,654	64	4	541	451	5,714
6-10am						3,248						1,283
3-7pm	1,934	38	0	172	175	2,319	2,093	19	0	143	182	2,437
6am-7pm						8,122						5,907

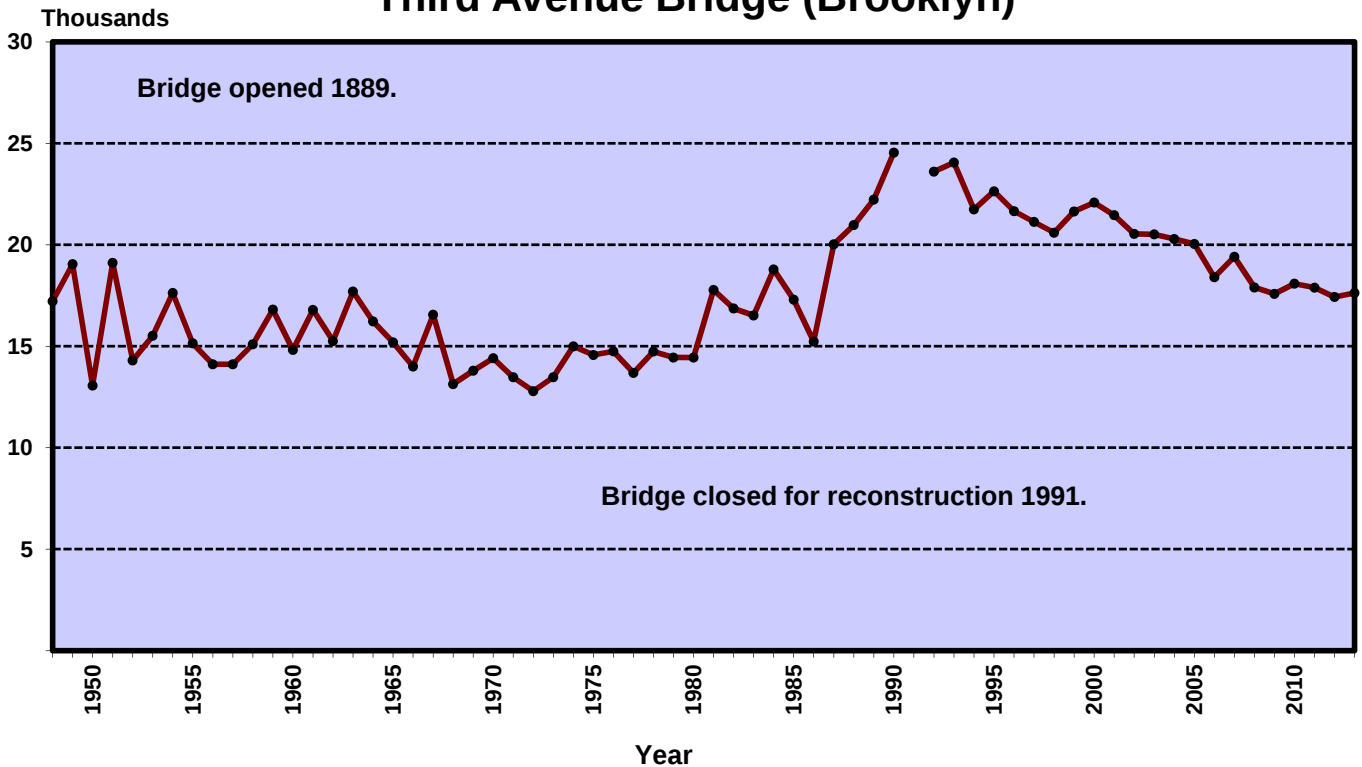
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Third Avenue Bridge (Brooklyn) ~ 2013



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

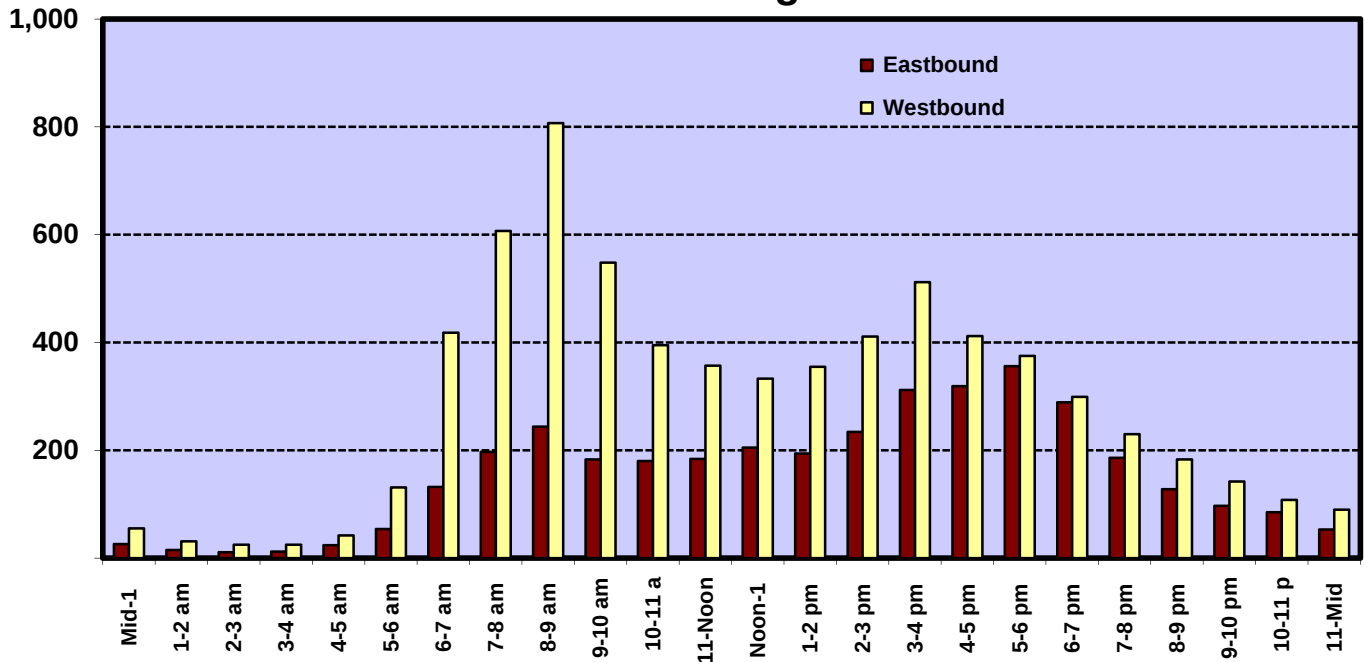


Third Street Bridge - 2013

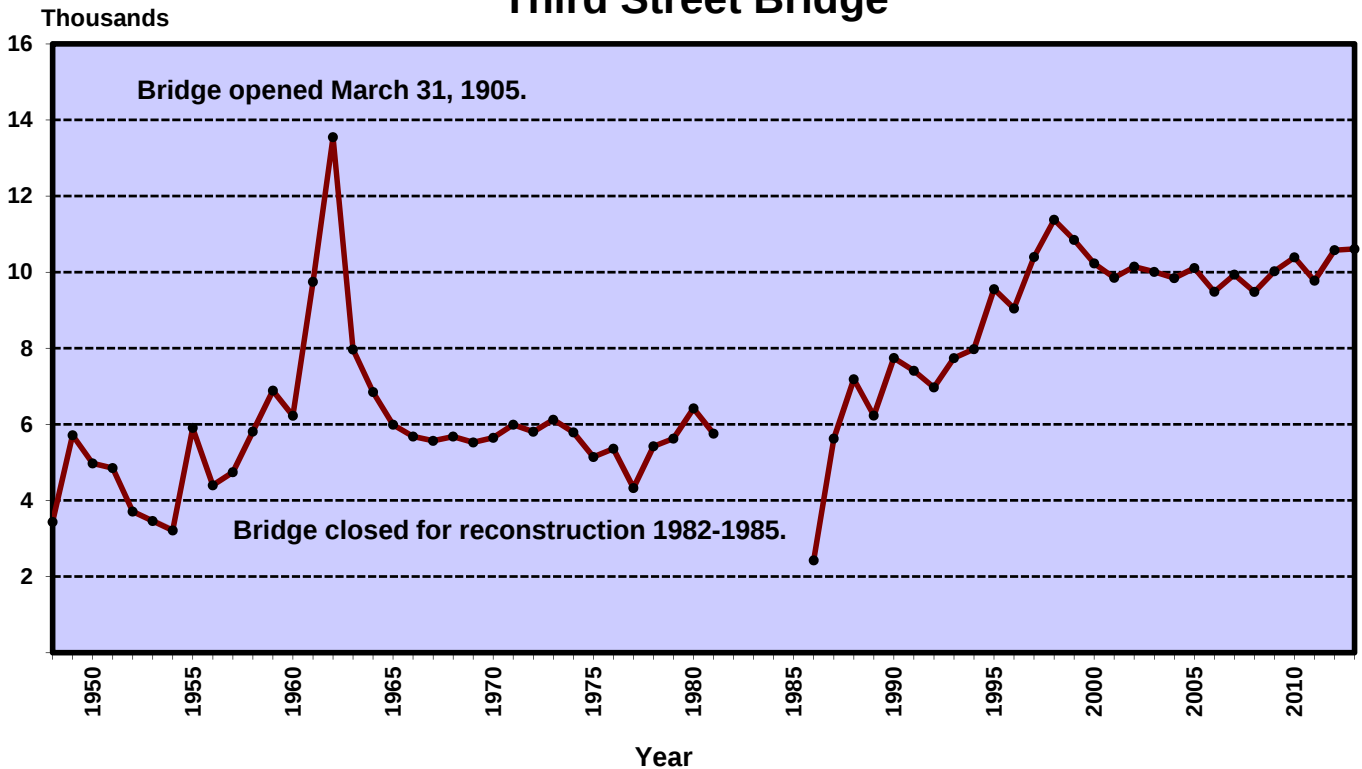
Eastbound							Westbound							
	Commuter				Commercial		Totals	Autos	Buses	Commuter		Commercial		Totals
12-1am	---	---	---	---	---	---	26	---	---	---	---	---	---	55
1-2am	---	---	---	---	---	---	15	---	---	---	---	---	---	31
2-3am	---	---	---	---	---	---	11	---	---	---	---	---	---	25
3-4am	---	---	---	---	---	---	12	---	---	---	---	---	---	25
4-5am	---	---	---	---	---	---	24	---	---	---	---	---	---	42
5-6am	---	---	---	---	---	---	54	---	---	---	---	---	---	131
6-7am	---	---	---	---	---	---	132	---	---	---	---	---	---	418
7-8am	156	6	0	19	16	16	197	517	12	6	30	42	607	804
8-9am	209	0	0	20	15	15	244	701	8	4	37	57	807	**
9-10am	139	0	0	19	25	25	183	456	1	1	42	48	548	731
10-11am	166	0	0	7	7	7	180	341	0	0	28	26	395	575
11-12am	149	0	2	24	9	9	184	234	3	2	63	55	357	541
12-1pm	186	0	0	9	10	10	205	291	3	0	24	15	333	538
1-2pm	187	0	0	0	7	7	194	287	12	13	23	20	355	549
2-3pm	211	0	0	14	9	9	234	276	8	41	63	23	411	645
3-4pm	288	10	0	10	4	4	312	429	15	23	30	15	512	824
4-5pm	288	0	0	10	21	21	319	324	4	24	44	16	412	731
5-6pm	316	0	0	14	26	26	356	319	4	18	34	0	375	731
6-7pm	278	0	0	8	3	3	289	248	4	26	19	2	299	588
7-8pm	---	---	---	---	---	---	186	---	---	---	---	---	230	416
8-9pm	---	---	---	---	---	---	128	---	---	---	---	---	183	311
9-10pm	---	---	---	---	---	---	97	---	---	---	---	---	142	239
10-11pm	---	---	---	---	---	---	85	---	---	---	---	---	108	193
11-12pm	---	---	---	---	---	---	53	---	---	---	---	---	90	143
Totals	---	---	---	---	---	---	3,720	---	---	---	---	---	6,891	10,611
7-10am	504	6	0	58	56	56	624	1,674	21	11	109	147	1,962	2,586
10am-1pm	501	0	2	40	26	26	569	866	6	2	115	96	1,085	1,654
1-4pm	686	10	0	24	20	20	740	992	35	77	116	58	1,278	2,018
4-7pm	882	0	0	32	50	50	964	891	12	68	97	18	1,086	2,050
7am-7pm	2,573	16	2	154	152	152	2,897	4,423	74	158	437	319	5,411	8,308
6-10am							756						2,380	3,136
3-7pm	1,170	10	0	42	54	54	1,276	1,320	27	91	127	33	1,598	2,874
6am-7pm							3,029						5,829	8,858

** Peak Volumes

Hourly Vehicular Volumes Third Street Bridge ~ 2013



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



Hourly Vehicular Volumes

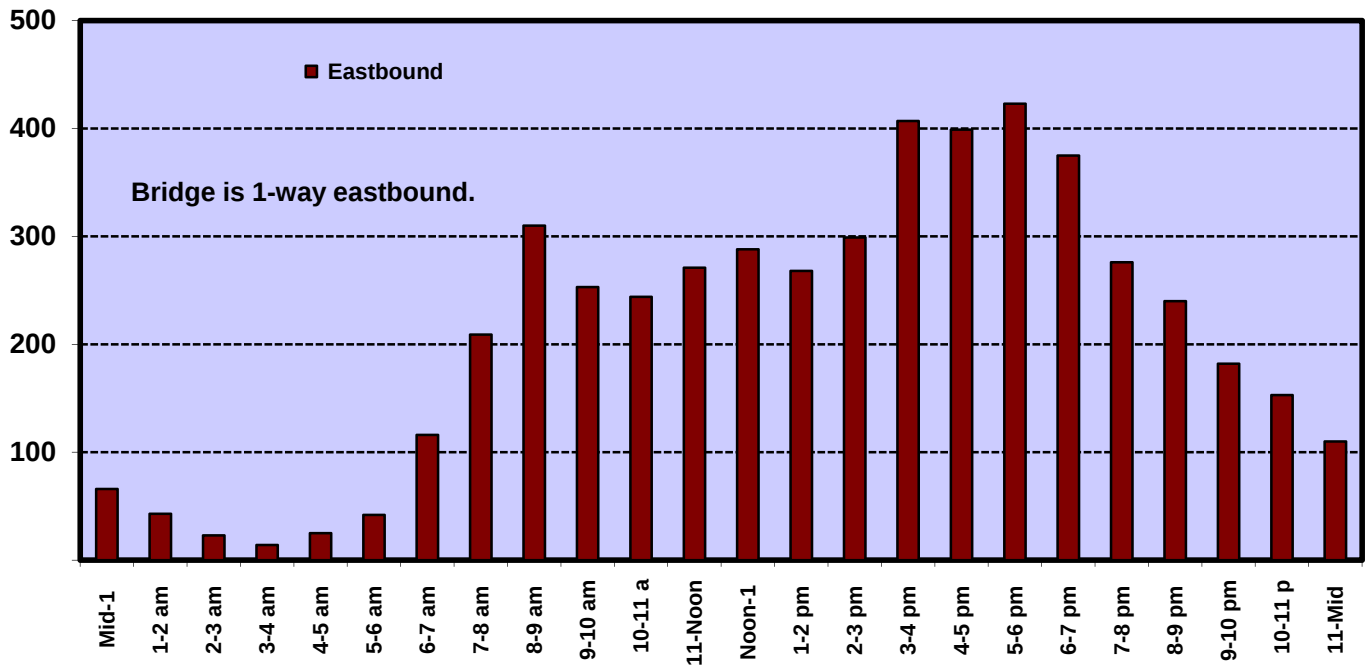
Union Street Bridge - 2013

	Eastbound						Westbound						Grand Totals
	Commuter			Commercial			Commuter			Commercial			
	Autos	Buses	Vans	Trucks	Vans	Totals	Autos	Buses	Vans	Trucks	Vans	Totals	
12-1am	---	---	---	---	---	66	Bridge is 1-way eastbound						66
1-2am	---	---	---	---	---	43							43
2-3am	---	---	---	---	---	23							23
3-4am	---	---	---	---	---	14							14
4-5am	---	---	---	---	---	25							25
5-6am	---	---	---	---	---	42							42
6-7am	---	---	---	---	---	116							116
7-8am	166	9	0	16	18	209							209
8-9am	238	11	0	32	29	310							310
9-10am	189	4	0	20	40	253							253
10-11am	220	5	0	8	11	244							244
11-12am	217	2	0	25	27	271							271
12-1pm	250	2	0	12	24	288							288
1-2pm	233	5	0	15	15	268							268
2-3pm	224	4	0	41	30	299							299
3-4pm	371	3	0	18	15	407							407
4-5pm	346	2	0	22	29	399							399
5-6pm	393	1	0	8	21	423 **							423 **
6-7pm	332	2	0	17	24	375							375
7-8pm	---	---	---	---	---	276							276
8-9pm	---	---	---	---	---	240							240
9-10pm	---	---	---	---	---	182							182
10-11pm	---	---	---	---	---	153							153
11-12pm	---	---	---	---	---	110							110
Totals	---	---	---	---	---	5,036	---	---	---	---	---	5,036	
7-10am	593	24	0	68	87	772	---	---	---	---	---	772	
10am-1pm	687	9	0	45	62	803	---	---	---	---	---	803	
1-4pm	828	12	0	74	60	974	---	---	---	---	---	974	
4-7pm	1,071	5	0	47	74	1,197	---	---	---	---	---	1,197	
7am-7pm	3,179	50	0	234	283	3,746	---	---	---	---	---	3,746	
6-10am						888	---	---	---	---	---	888	
3-7pm	1,442	8	0	65	89	1,604	---	---	---	---	---	1,604	
6am-7pm						3,862	---	---	---	---	---	3,862	

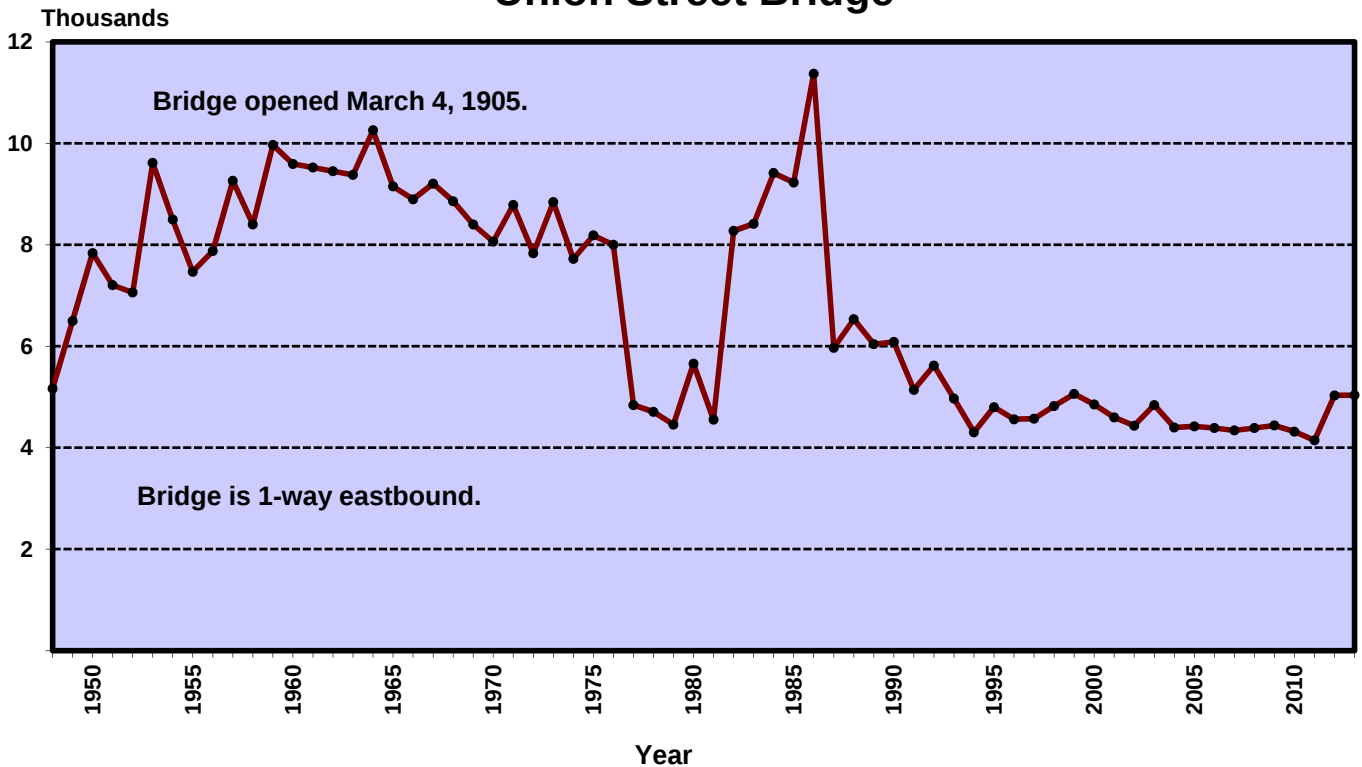
Based on September 1989 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Union Street Bridge ~ 2013



Average Daily Traffic Volumes Union Street Bridge



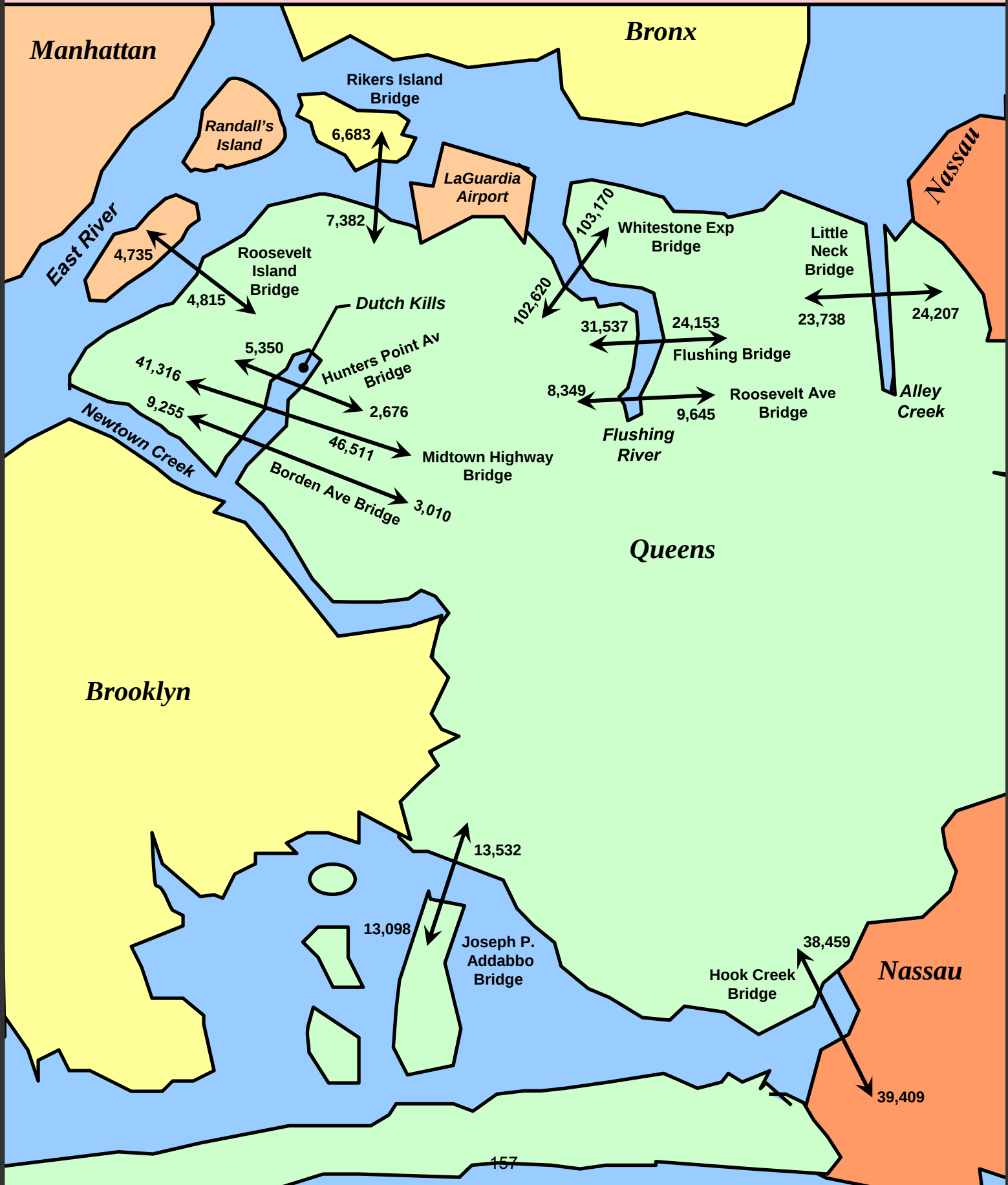
Queens Bridges



Midtown Highway Bridge

QUEENS BRIDGES

2013 Daily Volumes



Queens Bridges ~ Average Daily Traffic Volumes 1948 - 2013

<i>Year</i>	<i>Borden Avenue Bridge</i>	<i>Flushing Bridge</i>	<i>Hook Creek Bridge</i>	<i>Hunters Point Bridge</i>	<i>Joseph P. Addabbo Bridge *</i>	<i>Little Neck Bridge</i>
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

* North Channel Bridge.

**Queens Bridges (cont'd) ~ Average Daily Traffic Volumes
1948 - 2013**

<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	Bridge	14,044	Bridge	27,290	147,106
1949	27,963	opened	18,907	opened	31,558	173,925
1950	32,429	11/22/1966	20,451	05/18/1955	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

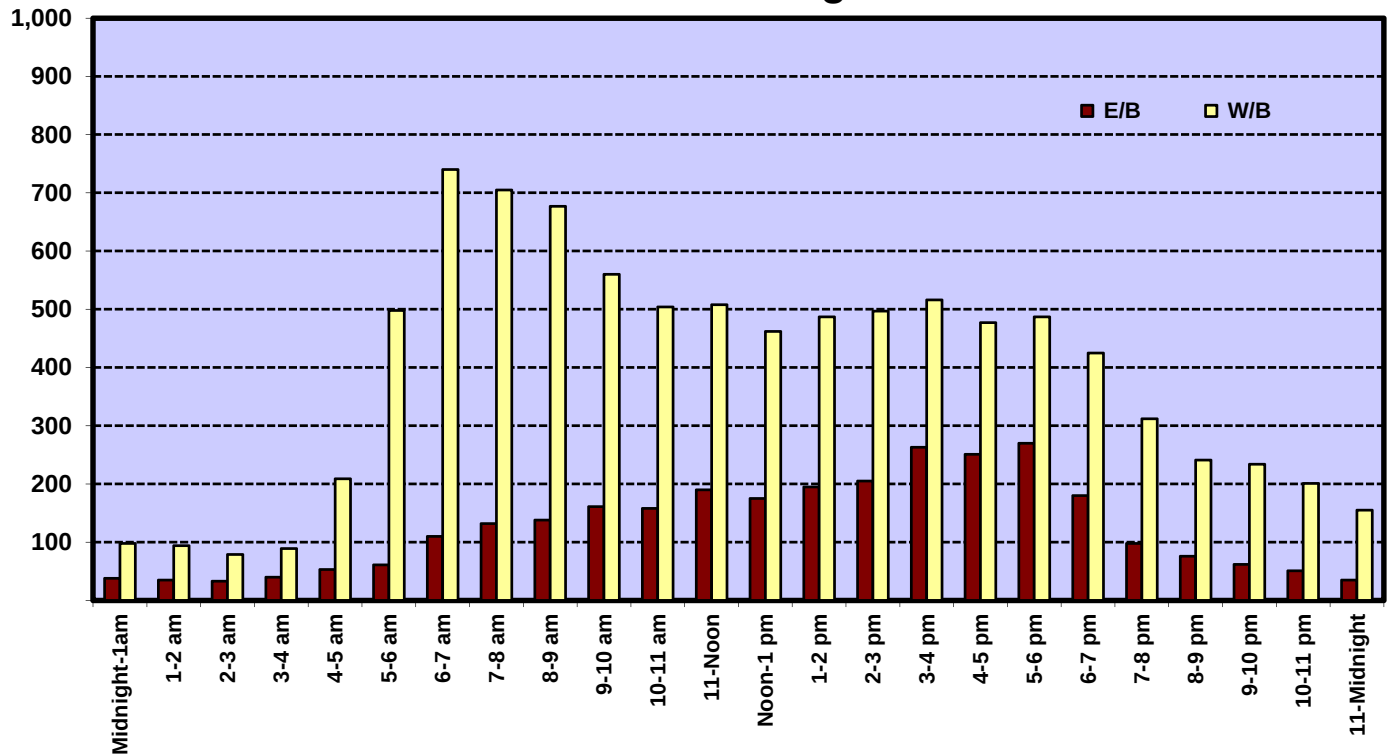
Hourly Vehicular Volumes Borden Avenue Bridge - 2013

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	38	---	---	---	---	---	98
1-2am	---	---	---	---	---	35	---	---	---	---	---	94
2-3am	---	---	---	---	---	33	---	---	---	---	---	79
3-4am	---	---	---	---	---	40	---	---	---	---	---	89
4-5am	---	---	---	---	---	53	---	---	---	---	---	209
5-6am	---	---	---	---	---	61	---	---	---	---	---	498
6-7am	---	---	---	---	---	110	---	---	---	---	---	740 **
7-8am	72	5	3	34	18	132	538	11	21	67	68	705
8-9am	67	4	3	43	21	138	583	6	8	56	24	677
9-10am	76	5	2	50	28	161	434	3	8	70	45	560
10-11am	108	3	5	29	13	158	441	8	4	39	12	504
11-12am	90	3	2	66	29	190	352	6	8	103	39	508
12-1pm	134	3	2	24	12	175	392	5	4	47	14	462
1-2pm	148	1	2	30	14	195	392	5	4	53	33	487
2-3pm	104	1	14	59	27	205	353	10	8	94	32	497
3-4pm	221	3	7	23	9	263	427	33	4	35	17	516
4-5pm	190	5	12	25	19	251	357	32	9	62	17	477
5-6pm	217	2	7	30	14	270 **	417	19	7	24	20	487
6-7pm	130	1	9	24	16	180	355	14	10	29	17	425
7-8pm	---	---	---	---	---	98	---	---	---	---	---	312
8-9pm	---	---	---	---	---	76	---	---	---	---	---	241
9-10pm	---	---	---	---	---	62	---	---	---	---	---	234
10-11pm	---	---	---	---	---	51	---	---	---	---	---	201
11-12pm	---	---	---	---	---	35	---	---	---	---	---	155
Totals	---	---	---	---	---	3,010	---	---	---	---	---	9,255
7-10am	215	14	8	127	67	431	1,555	20	37	193	137	1,942
10am-1pm	332	9	9	119	54	523	1,185	19	16	189	65	1,474
1-4pm	473	5	23	112	50	663	1,172	48	16	182	82	1,500
4-7pm	537	8	28	79	49	701	1,129	65	26	115	54	1,389
7am-7pm	1,557	36	68	437	220	2,318	5,041	152	95	679	338	6,305
6-10am						541						2,682
3-7pm	758	11	35	102	58	964	1,556	98	30	150	71	1,905
6am-7pm						2,428						7,045
Totals												12,265
7-10am												2,373
10am-1pm												1,997
1-4pm												2,163
4-7pm												2,090
7am-7pm												8,623
6-10am												3,223
3-7pm												2,869
6am-7pm												9,473

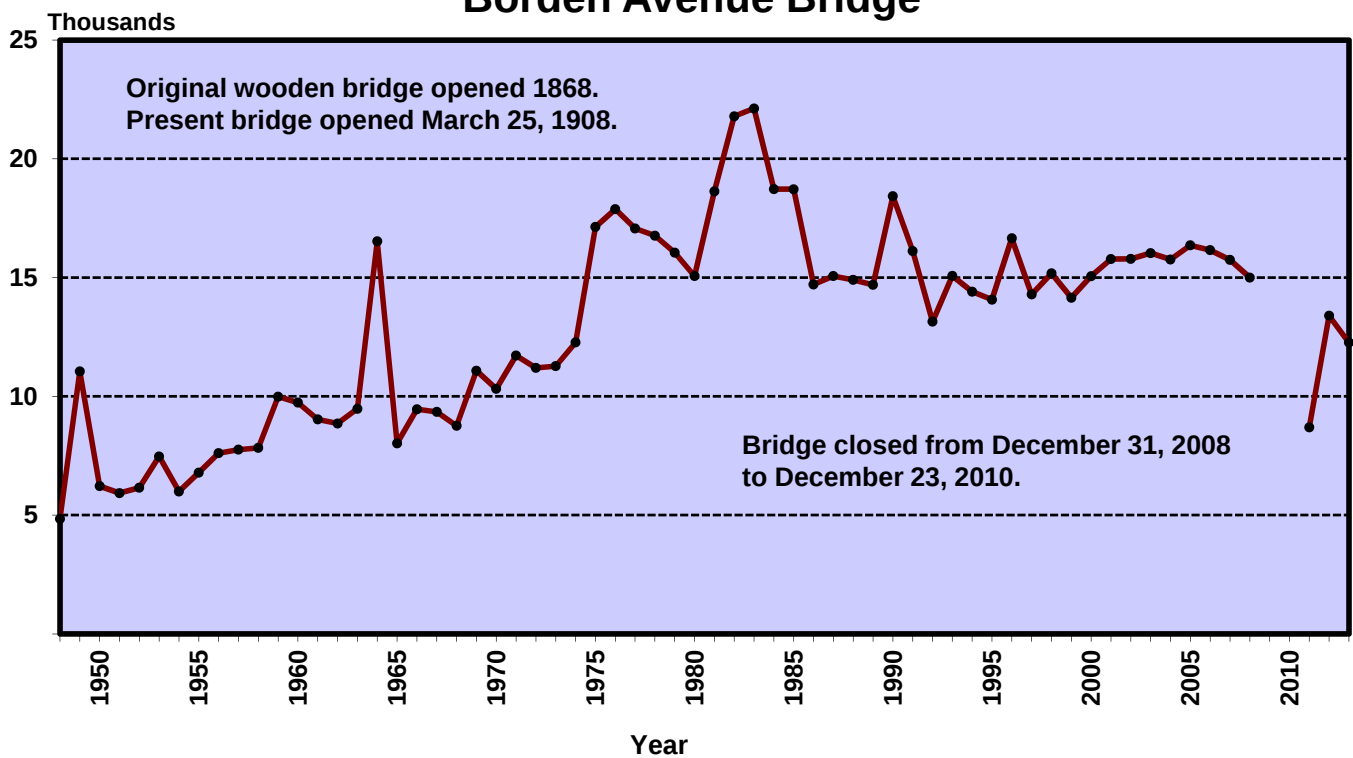
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Borden Avenue Bridge ~ 2013



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



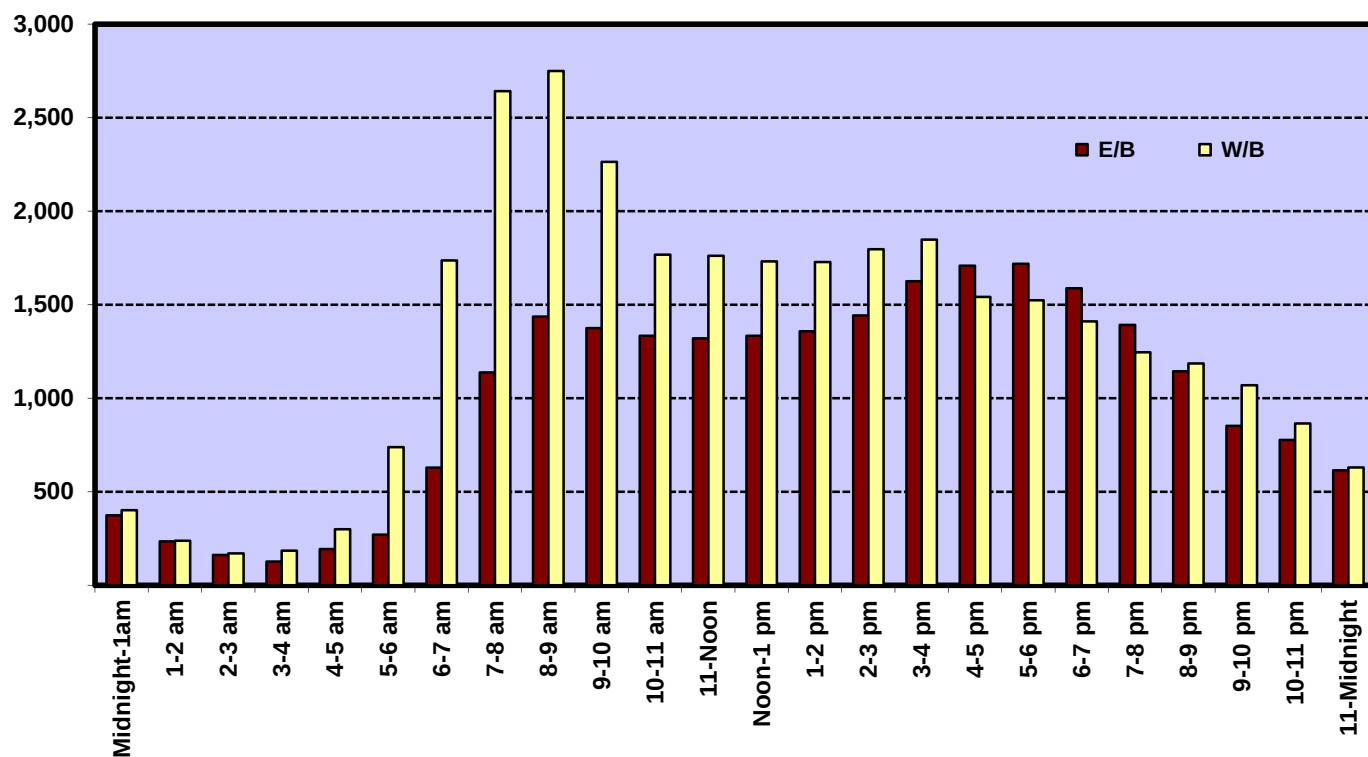
Hourly Vehicular Volumes Flushing Bridge - 2013

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	374	---	---	---	---	---	402
1-2am	---	---	---	---	---	235	---	---	---	---	---	238
2-3am	---	---	---	---	---	162	---	---	---	---	---	171
3-4am	---	---	---	---	---	127	---	---	---	---	---	185
4-5am	---	---	---	---	---	194	---	---	---	---	---	300
5-6am	---	---	---	---	---	271	---	---	---	---	---	739
6-7am	---	---	---	---	---	629	---	---	---	---	---	1,737
7-8am	906	40	6	78	108	1,138	2,224	13	56	106	243	2,642
8-9am	1,155	27	17	111	127	1,437	2,229	27	55	146	293	2,750 **
9-10am	1,126	12	28	121	88	1,375	1,720	12	69	176	287	2,264
10-11am	1,170	15	17	60	72	1,334	1,568	13	16	79	92	1,768
11-12am	1,006	7	39	99	169	1,320	1,426	2	27	134	173	1,762
12-1pm	1,184	6	21	48	75	1,334	1,540	7	7	80	98	1,732
1-2pm	1,165	16	14	53	110	1,358	1,574	14	24	72	44	1,728
2-3pm	1,016	22	27	108	270	1,443	1,495	23	60	115	104	1,797
3-4pm	1,398	16	15	43	154	1,626	1,690	32	23	55	48	1,848
4-5pm	1,373	12	26	54	244	1,709	1,362	11	30	55	84	1,542
5-6pm	1,442	11	13	42	211	1,719 **	1,339	6	44	49	86	1,524
6-7pm	1,377	7	8	29	167	1,588	1,309	7	14	34	47	1,411
7-8pm	---	---	---	---	---	1,392	---	---	---	---	---	1,246
8-9pm	---	---	---	---	---	1,144	---	---	---	---	---	1,186
9-10pm	---	---	---	---	---	852	---	---	---	---	---	1,070
10-11pm	---	---	---	---	---	777	---	---	---	---	---	865
11-12pm	---	---	---	---	---	615	---	---	---	---	---	630
Totals	---	---	---	---	---	24,153	---	---	---	---	---	31,537
7-10am	3,187	79	51	310	323	3,950	6,173	52	180	428	823	7,656
10am-1pm	3,360	28	77	207	316	3,988	4,534	22	50	293	363	5,262
1-4pm	3,579	54	56	204	534	4,427	4,759	69	107	242	196	5,373
4-7pm	4,192	30	47	125	622	5,016	4,010	24	88	138	217	4,477
7am-7pm	14,318	191	231	846	1,795	17,381	19,476	167	425	1,101	1,599	22,768
6-10am						4,579						9,393
3-7pm	5,590	46	62	168	776	6,642	5,700	56	111	193	265	6,325
6am-7pm						18,010						24,505

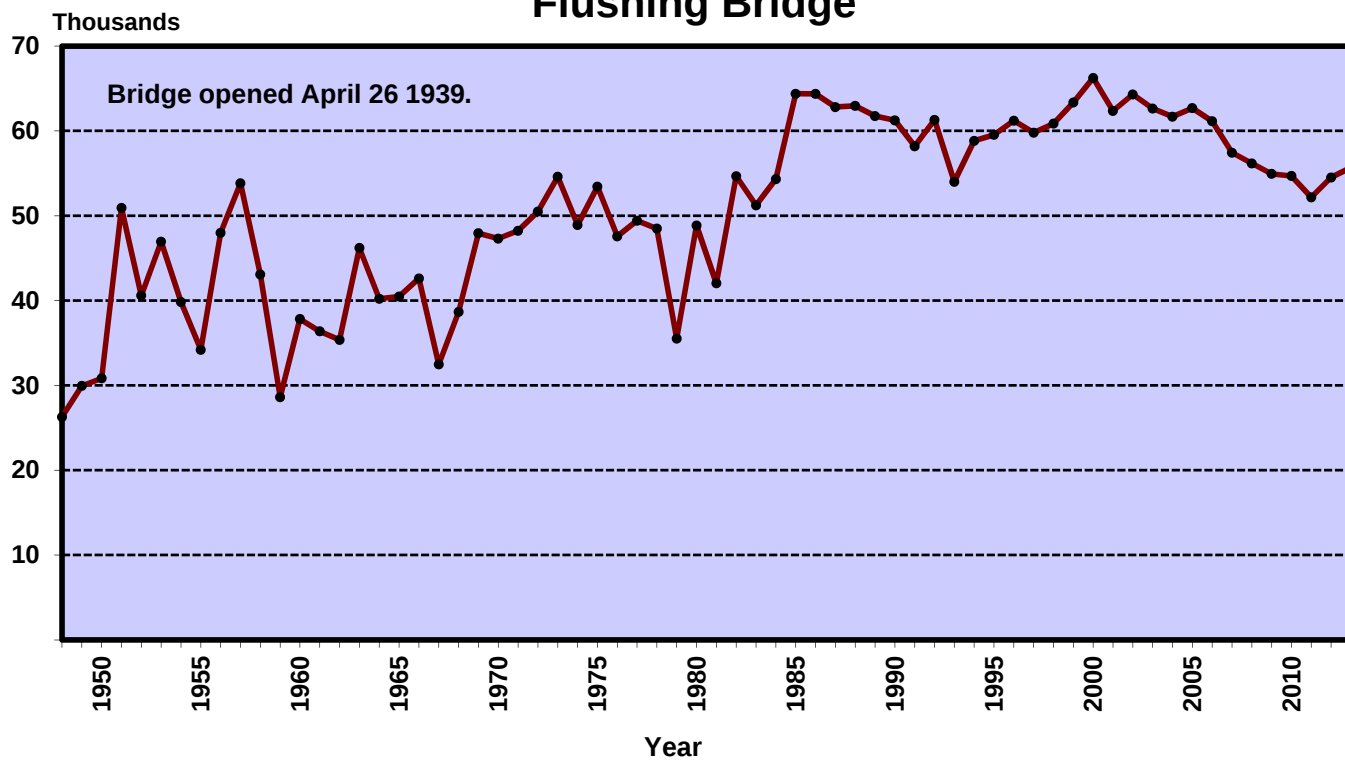
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Flushing Bridge ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Flushing Bridge



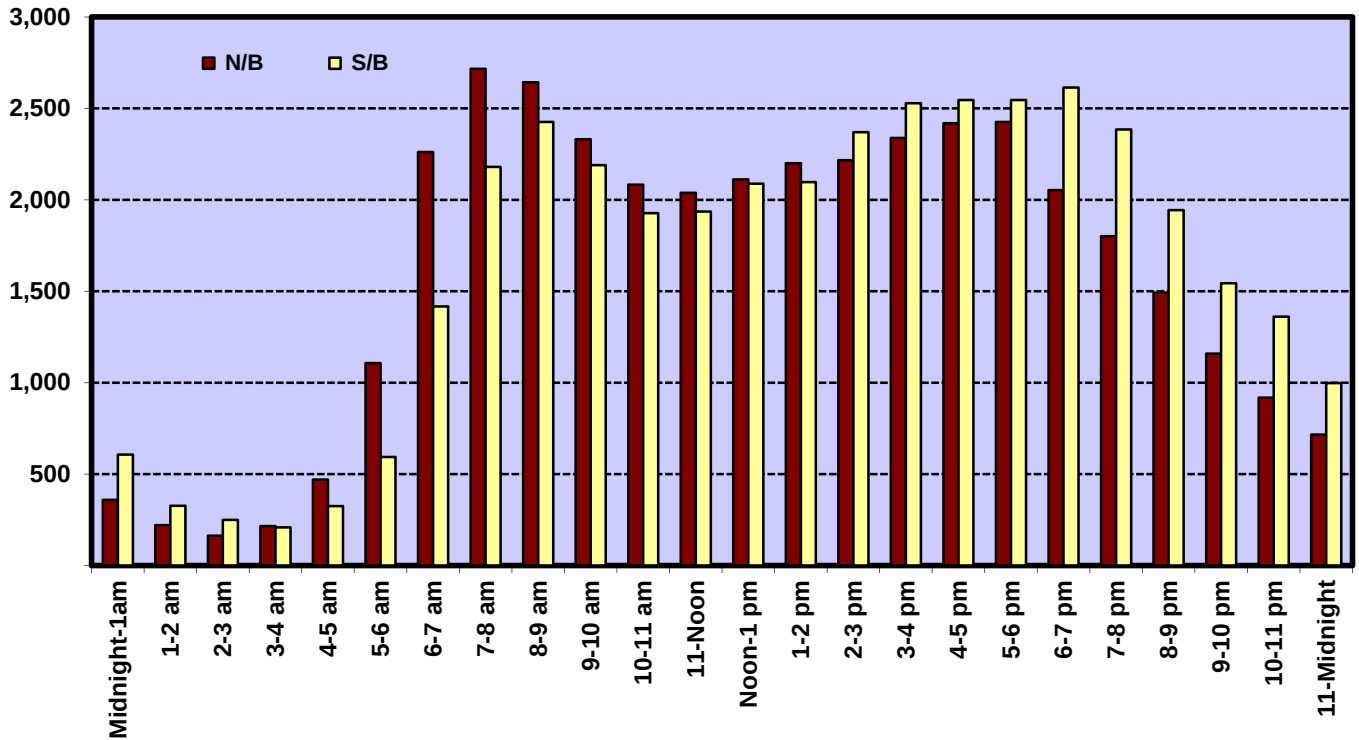
Hourly Vehicular Volumes Hook Creek Bridge - 2013

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	359	---	---	---	---	---	607
1-2am	---	---	---	---	---	221	---	---	---	---	---	327
2-3am	---	---	---	---	---	163	---	---	---	---	---	250
3-4am	---	---	---	---	---	216	---	---	---	---	---	209
4-5am	---	---	---	---	---	470	---	---	---	---	---	325
5-6am	---	---	---	---	---	1,107	---	---	---	---	---	594
6-7am	---	---	---	---	---	2,261	---	---	---	---	---	1,417
7-8am	2,515	18	61	78	44	2,716	1,736	15	157	157	115	2,180
8-9am	2,342	18	86	125	72	2,643	1,989	11	151	175	100	2,426
9-10am	2,024	7	70	155	75	2,331	1,848	8	92	147	95	2,190
10-11am	1,965	3	14	55	46	2,083	1,798	3	13	62	51	1,927
11-12am	1,701	10	46	192	89	2,038	1,721	2	14	110	89	1,936
12-1pm	1,992	10	27	62	21	2,112	2,001	0	13	46	28	2,088
1-2pm	2,008	14	45	77	56	2,200	1,847	6	65	126	53	2,097
2-3pm	1,985	17	49	87	79	2,217	2,145	4	35	101	85	2,370
3-4pm	2,245	36	12	28	17	2,338	2,422	3	20	38	45	2,528
4-5pm	2,293	12	28	48	38	2,419	2,383	3	41	55	64	2,546
5-6pm	2,237	13	42	43	91	2,426	2,371	7	57	39	72	2,546
6-7pm	1,953	12	44	24	20	2,053	2,496	4	51	37	26	2,614
7-8pm	---	---	---	---	---	1,801	---	---	---	---	---	2,385
8-9pm	---	---	---	---	---	1,492	---	---	---	---	---	1,944
9-10pm	---	---	---	---	---	1,159	---	---	---	---	---	1,544
10-11pm	---	---	---	---	---	918	---	---	---	---	---	1,361
11-12pm	---	---	---	---	---	716	---	---	---	---	---	998
Totals	---	---	---	---	---	38,459	---	---	---	---	---	39,409
7-10am	6,881	43	217	358	191	7,690	5,573	34	400	479	310	6,796
10am-1pm	5,658	23	87	309	156	6,233	5,520	5	40	218	168	5,951
1-4pm	6,238	67	106	192	152	6,755	6,414	13	120	265	183	6,995
4-7pm	6,483	37	114	115	149	6,898	7,250	14	149	131	162	7,706
7am-7pm	25,260	170	524	974	648	27,576	24,757	66	709	1,093	823	27,448
6-10am												
3-7pm	8,728	73	126	143	166	9,951	9,672	17	169	169	207	8,213
6am-7pm												
						29,837						10,234
												28,865
												58,702

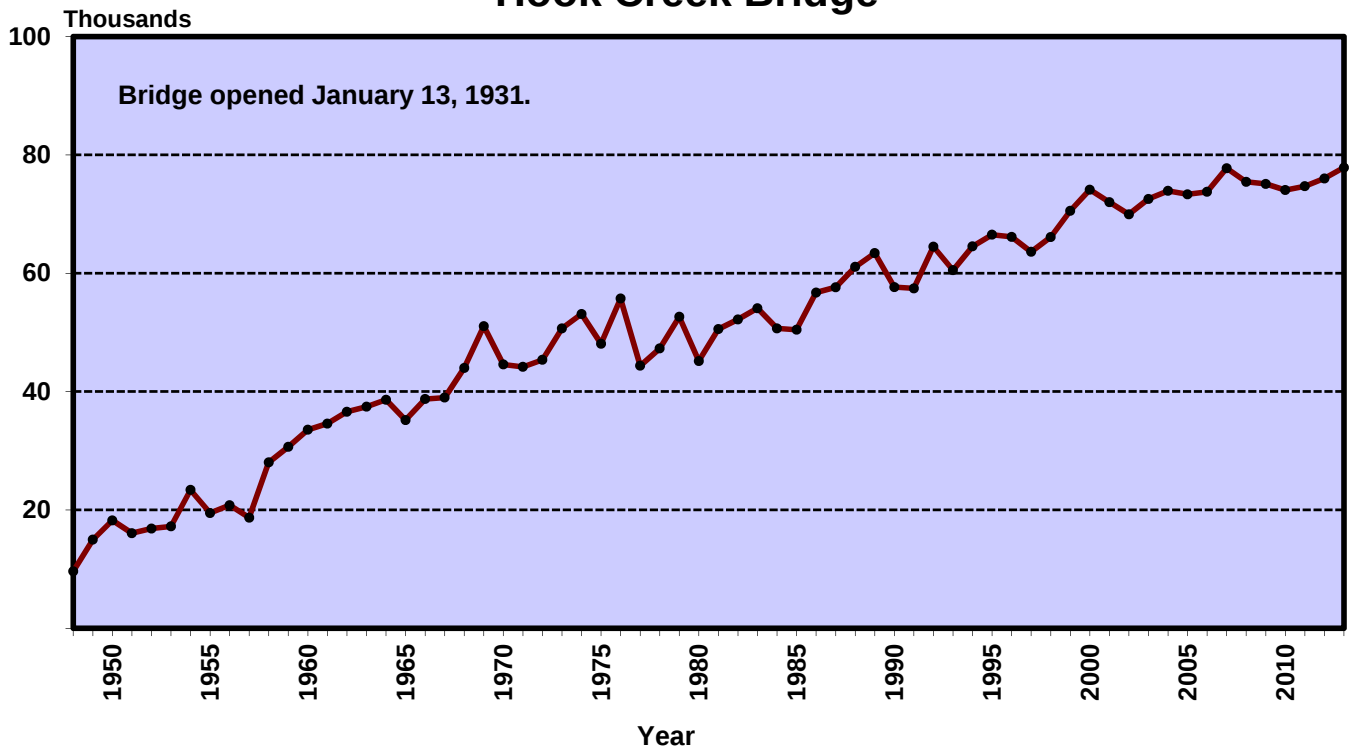
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hook Creek Bridge ~ 2013



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



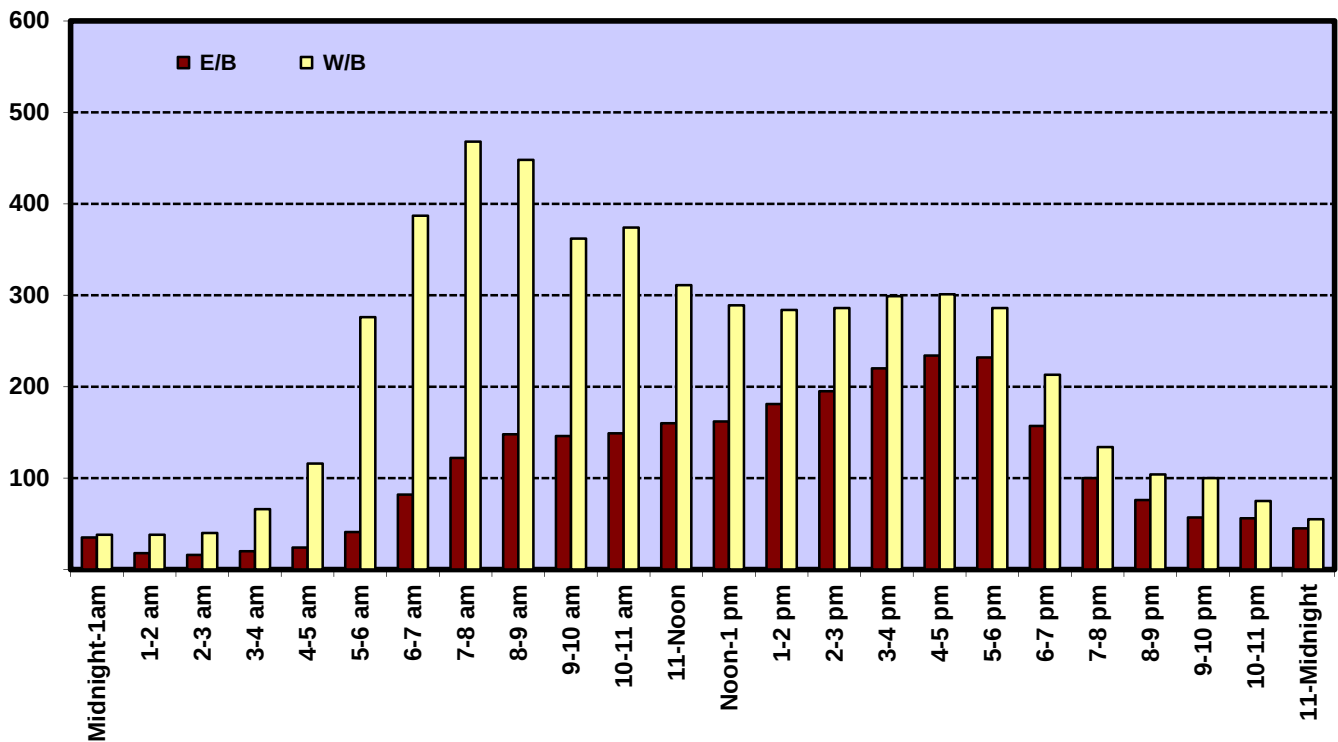
Hourly Vehicular Volumes Hunters Point Bridge - 2013

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	35	---	---	---	---	---	38
1-2am	---	---	---	---	---	18	---	---	---	---	---	38
2-3am	---	---	---	---	---	16	---	---	---	---	---	40
3-4am	---	---	---	---	---	20	---	---	---	---	---	66
4-5am	---	---	---	---	---	24	---	---	---	---	---	116
5-6am	---	---	---	---	---	41	---	---	---	---	---	276
6-7am	---	---	---	---	---	82	---	---	---	---	---	387
7-8am	87	0	12	13	10	122	349	1	19	31	68	468
8-9am	83	0	5	22	38	148	377	0	7	31	33	448
9-10am	90	0	2	25	29	146	258	0	3	48	53	362
10-11am	123	0	4	17	5	149	316	0	2	34	22	374
11-12am	101	1	8	28	22	160	222	0	2	54	33	311
12-1pm	118	0	6	19	19	162	230	0	2	34	23	289
1-2pm	131	0	10	19	21	181	227	3	3	25	26	284
2-3pm	116	0	17	31	31	195	205	10	2	35	34	286
3-4pm	185	0	8	20	7	220	281	4	1	9	4	299
4-5pm	170	0	13	18	33	234	211	45	2	11	32	301
5-6pm	197	0	11	2	22	232	235	13	1	18	19	286
6-7pm	131	1	3	6	16	157	181	5	3	6	18	213
7-8pm	---	---	---	---	---	100	---	---	---	---	---	134
8-9pm	---	---	---	---	---	76	---	---	---	---	---	104
9-10pm	---	---	---	---	---	57	---	---	---	---	---	100
10-11pm	---	---	---	---	---	56	---	---	---	---	---	75
11-12pm	---	---	---	---	---	45	---	---	---	---	---	55
Totals	---	---	---	---	---	2,676	---	---	---	---	---	5,350
7-10am	260	0	19	60	77	416	984	1	29	110	154	1,278
10am-1pm	342	1	18	64	46	471	768	0	6	122	78	974
1-4pm	432	0	35	70	59	596	713	17	6	69	64	869
4-7pm	498	1	27	26	71	623	627	63	6	35	69	800
7am-7pm	1,532	2	99	220	253	2,106	3,092	81	47	336	365	3,921
6-10am	---	---	---	---	---	498	---	---	---	---	---	1,665
3-7pm	683	1	35	46	78	843	908	67	7	44	73	1,099
6am-7pm	---	---	---	---	---	2,188	---	---	---	---	---	4,308
2-Way Totals	73	56	56	86	140	317	469	590	596	508	523	471
												451
												465
												481
												519
												535
												518
												370
												234
												180
												157
												131
												100
												8,026

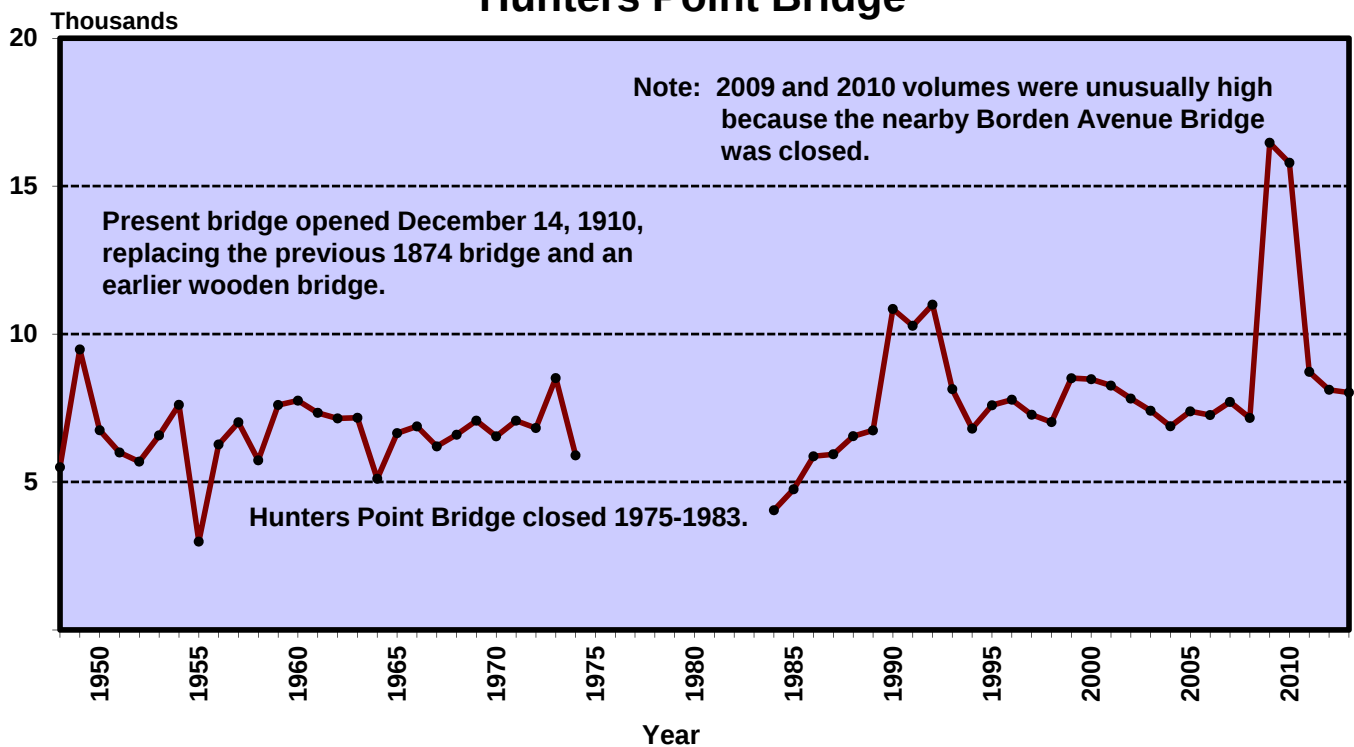
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hunters Point Bridge ~ 2013



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



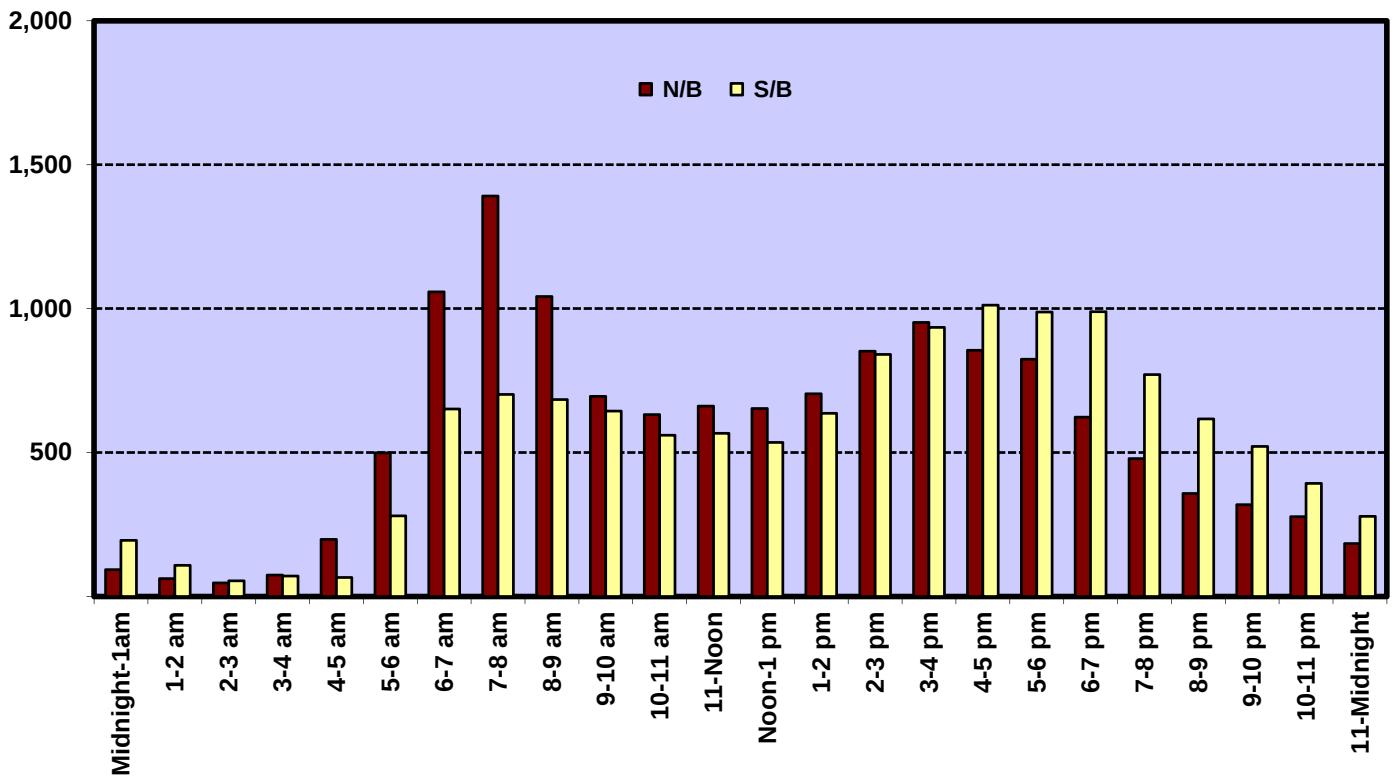
Hourly Vehicular Volumes Joseph P. Addabbo Memorial Bridge - 2013 (North Channel Bridge)

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	93	---	---	---	---	---	195
1-2am	---	---	---	---	---	62	---	---	---	---	---	108
2-3am	---	---	---	---	---	47	---	---	---	---	---	54
3-4am	---	---	---	---	---	74	---	---	---	---	---	71
4-5am	---	---	---	---	---	198	---	---	---	---	---	66
5-6am	---	---	---	---	---	499	---	---	---	---	---	280
6-7am	---	---	---	---	---	1,058	---	---	---	---	---	651
7-8am	1,273	35	21	24	38	1,391 **	511	35	9	55	92	702
8-9am	881	30	20	42	69	1,042	505	36	2	56	85	684
9-10am	576	9	7	65	38	695	445	25	5	79	90	644
10-11am	574	11	8	29	10	632	485	14	0	23	38	560
11-12am	526	9	9	64	53	661	413	10	0	60	84	567
12-1pm	564	18	0	37	34	653	479	11	0	18	27	535
1-2pm	653	5	5	22	19	704	581	7	0	16	32	636
2-3pm	701	26	13	61	51	852	672	34	5	34	96	841
3-4pm	856	29	14	26	27	952	816	27	0	27	65	935
4-5pm	711	38	16	52	38	855	859	11	3	35	104	1,012 **
5-6pm	723	12	21	37	31	824	900	7	0	20	61	988
6-7pm	523	10	21	27	42	623	890	7	4	12	76	989
7-8pm	---	---	---	---	---	479	---	---	---	---	---	771
8-9pm	---	---	---	---	---	358	---	---	---	---	---	617
9-10pm	---	---	---	---	---	319	---	---	---	---	---	521
10-11pm	---	---	---	---	---	277	---	---	---	---	---	393
11-12pm	---	---	---	---	---	184	---	---	---	---	---	278
Totals	---	---	---	---	---	13,532	---	---	---	---	---	13,098
7-10am	2,730	74	48	131	145	3,128	1,461	96	16	190	267	2,030
10am-1pm	1,664	38	17	130	97	1,946	1,377	35	0	101	149	1,662
1-4pm	2,210	60	32	109	97	2,508	2,069	68	5	77	193	2,412
4-7pm	1,957	60	58	116	111	2,302	2,649	25	7	67	241	2,989
7am-7pm	8,561	232	155	486	450	9,884	7,556	224	28	435	850	9,093
6-10am						4,186						2,681
3-7pm	2,813	89	72	142	138	3,254	3,465	52	7	94	306	3,924
6am-7pm						10,942						9,744
												20,686

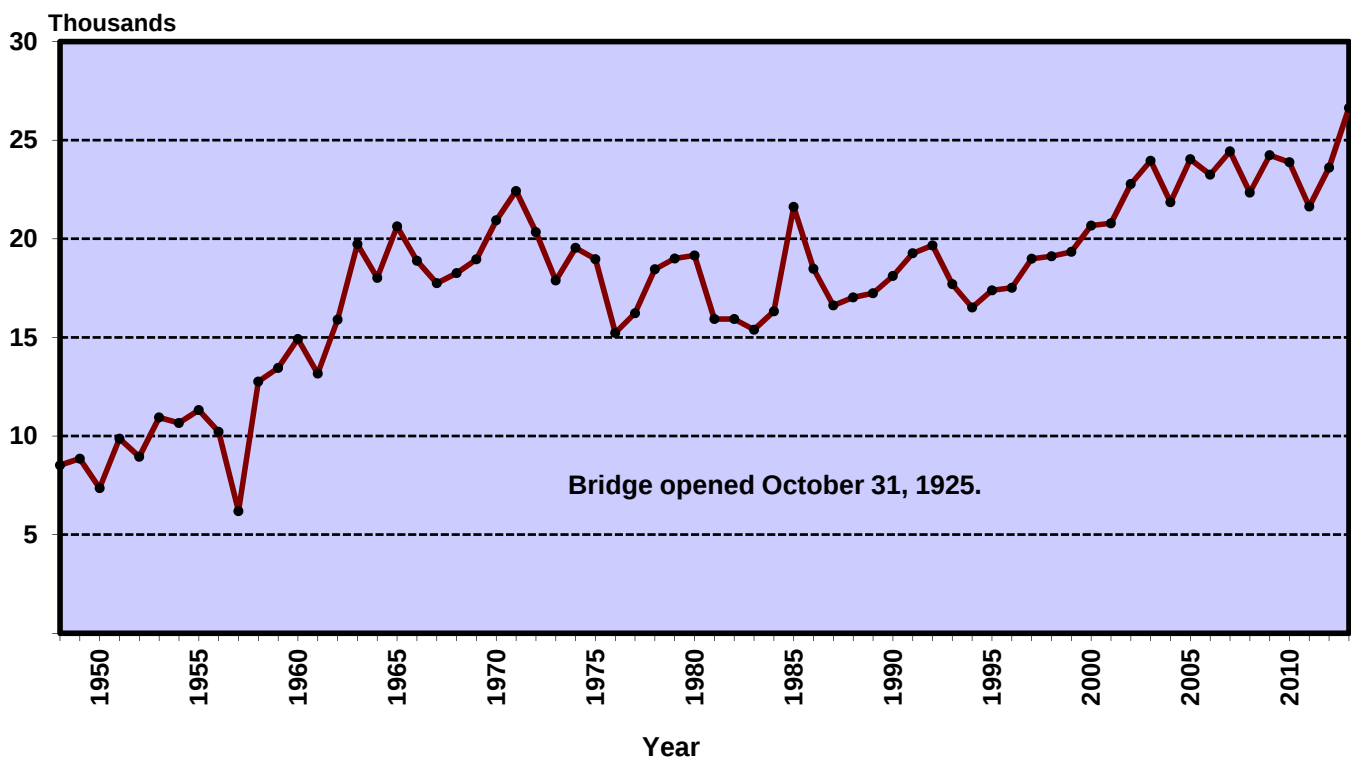
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Joseph P. Addabbo Memorial Bridge ~ 2013



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



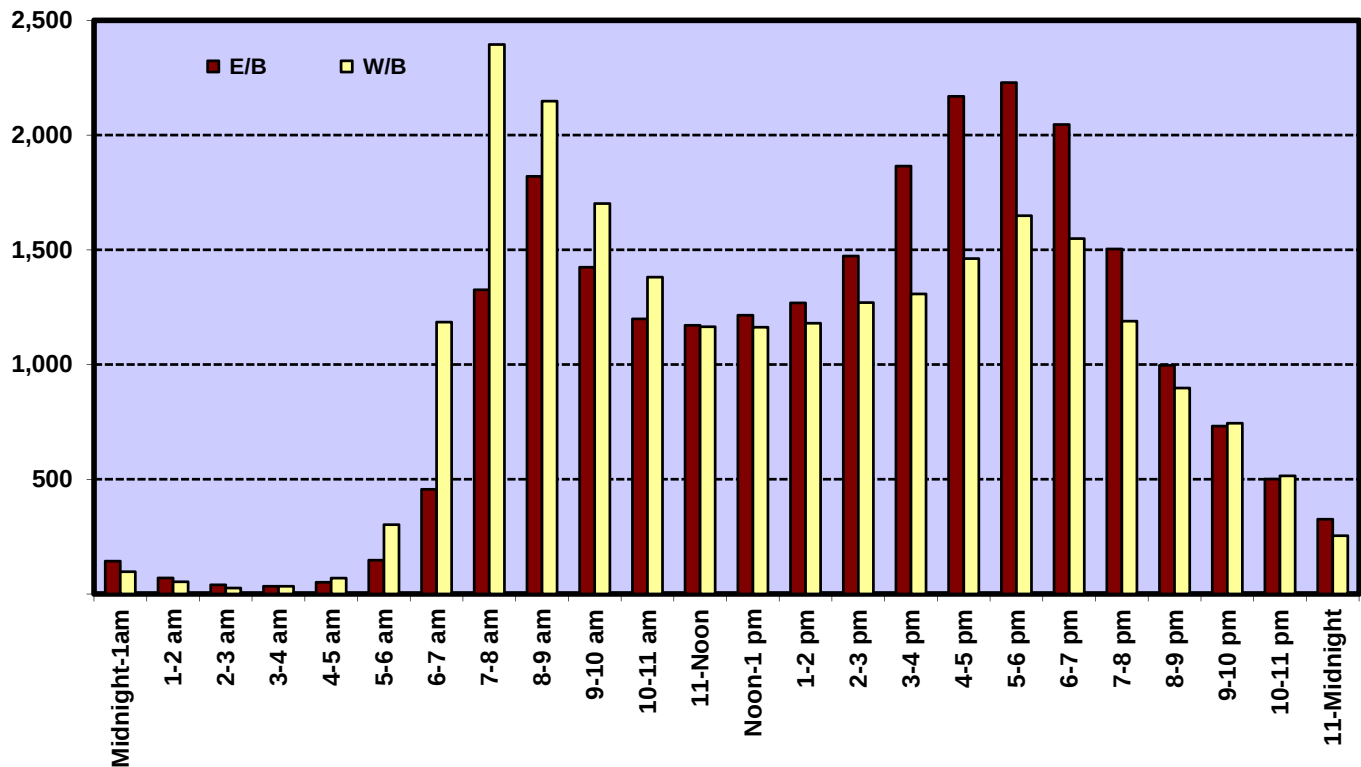
Hourly Vehicular Volumes Little Neck Bridge - 2013

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	143	---	---	---	---	---	97
1-2am	---	---	---	---	---	70	---	---	---	---	---	53
2-3am	---	---	---	---	---	40	---	---	---	---	---	26
3-4am	---	---	---	---	---	34	---	---	---	---	---	34
4-5am	---	---	---	---	---	51	---	---	---	---	---	69
5-6am	---	---	---	---	---	147	---	---	---	---	---	302
6-7am	---	---	---	---	---	456	---	---	---	---	---	1,185
7-8am	1,080	35	60	93	58	1,326	2,146	88	7	43	111	2,395
8-9am	1,603	25	75	67	50	1,820	1,966	54	3	41	84	2,148
9-10am	1,256	18	56	69	25	1,424	1,563	9	0	45	85	1,702
10-11am	1,094	8	27	42	28	1,199	1,306	11	0	28	36	1,381
11-12am	1,026	12	26	59	48	1,171	1,039	7	0	65	54	1,165
12-1pm	1,141	13	9	40	12	1,215	1,086	10	0	26	41	1,163
1-2pm	1,175	9	21	31	33	1,269	1,125	2	0	21	32	1,180
2-3pm	1,253	16	61	82	61	1,473	1,138	10	0	41	81	1,270
3-4pm	1,761	21	20	40	23	1,865	1,240	10	0	14	44	1,308
4-5pm	1,825	16	83	148	97	2,169	1,313	15	0	39	95	1,462
5-6pm	1,997	22	60	50	100	2,229	1,568	12	0	9	60	1,649
6-7pm	1,885	19	58	46	38	2,046	1,480	9	0	6	54	1,549
7-8pm	---	---	---	---	---	1,504	---	---	---	---	---	1,189
8-9pm	---	---	---	---	---	997	---	---	---	---	---	898
9-10pm	---	---	---	---	---	732	---	---	---	---	---	744
10-11pm	---	---	---	---	---	501	---	---	---	---	---	515
11-12pm	---	---	---	---	---	326	---	---	---	---	---	254
Totals	---	---	---	---	---	24,207	---	---	---	---	---	23,738
7-10am	3,939	78	191	229	133	4,570	5,675	151	10	129	280	6,245
10am-1pm	3,261	33	62	141	88	3,585	3,431	28	0	119	131	3,709
1-4pm	4,189	46	102	153	117	4,607	3,503	22	0	76	157	3,758
4-7pm	5,707	57	201	244	235	6,444	4,361	36	0	54	209	4,660
7am-7pm	17,096	214	556	767	573	19,206	16,970	237	10	378	777	18,372
6-10am						5,026						7,430
3-7pm	7,468	78	221	284	258	8,309	5,601	46	0	68	253	5,968
6am-7pm						19,662						19,557

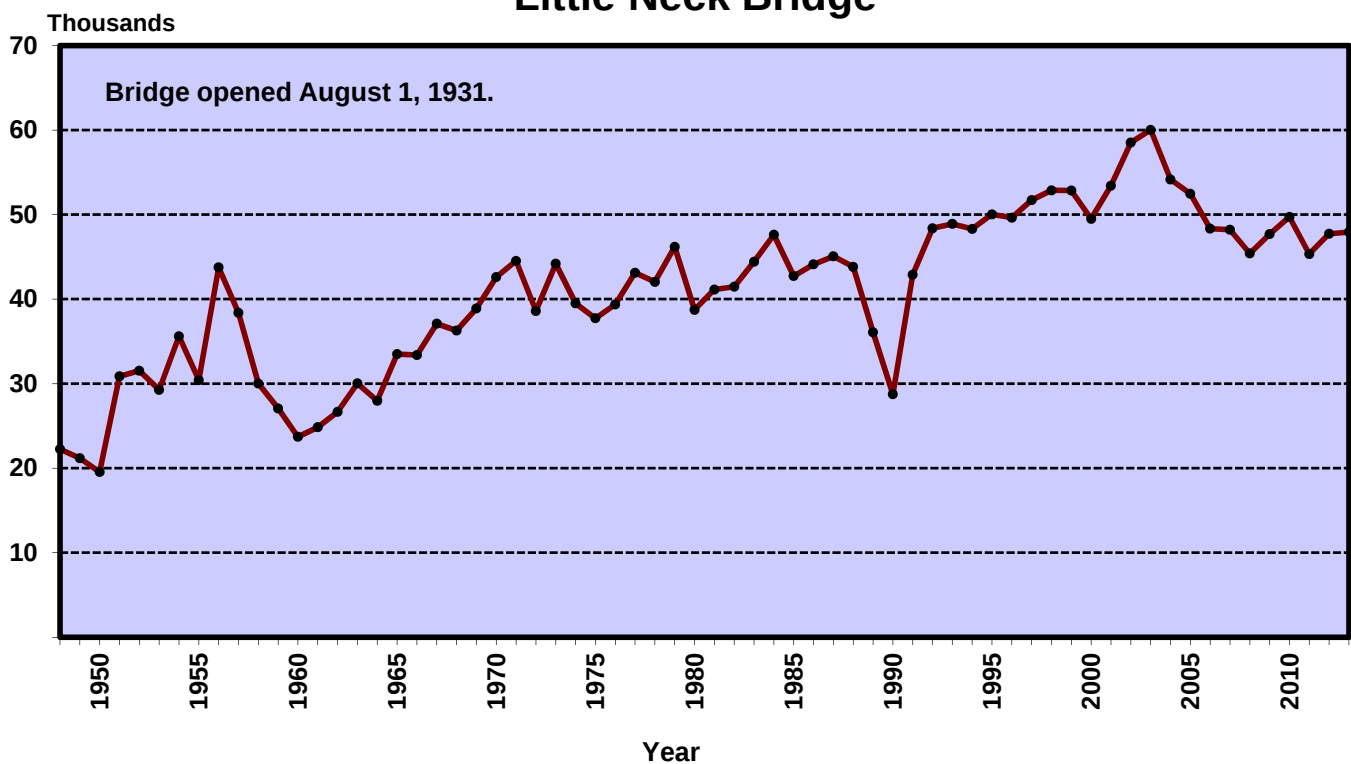
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Little Neck Bridge ~ 2013



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



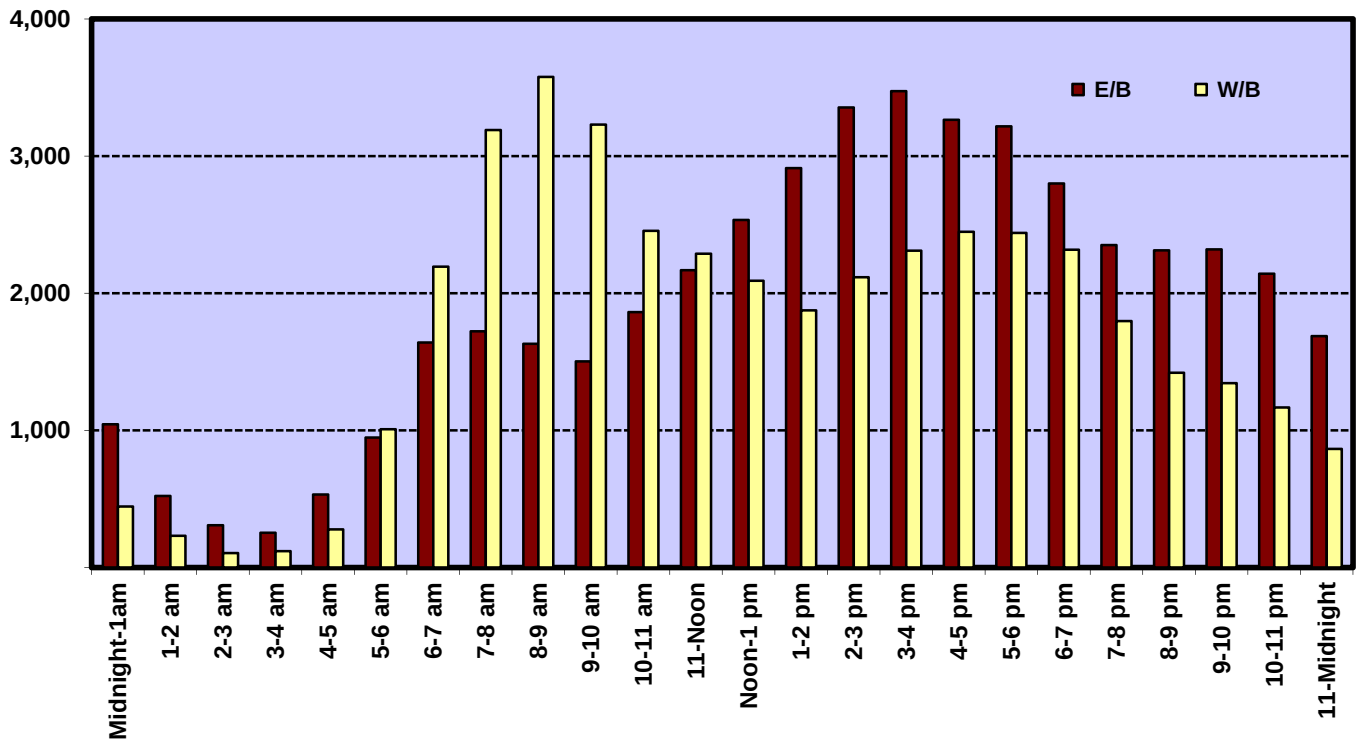
Hourly Vehicular Volumes Midtown Highway Bridge - 2013

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	1,045	---	---	---	---	---	445
1-2am	---	---	---	---	---	522	---	---	---	---	---	232
2-3am	---	---	---	---	---	308	---	---	---	---	---	106
3-4am	---	---	---	---	---	254	---	---	---	---	---	120
4-5am	---	---	---	---	---	533	---	---	---	---	---	278
5-6am	---	---	---	---	---	948	---	---	---	---	---	1,008
6-7am	---	---	---	---	---	1,641	---	---	---	---	---	2,194
7-8am	1,407	71	15	138	91	1,722	2,609	142	66	116	257	3,190
8-9am	1,312	106	15	113	86	1,632	3,019	70	69	140	279	3,577 **
9-10am	1,144	124	10	134	91	1,503	2,600	77	112	182	259	3,230
10-11am	1,676	60	3	54	70	1,863	2,241	28	32	65	89	2,455
11-12am	1,875	51	7	123	112	2,168	1,912	18	106	119	133	2,288
12-1pm	2,290	31	23	92	99	2,535	1,883	8	64	72	64	2,091
1-2pm	2,302	39	85	183	303	2,912	1,493	18	118	127	119	1,875
2-3pm	2,866	17	73	172	226	3,354	1,681	81	100	142	113	2,117
3-4pm	3,208	32	36	61	136	3,473 **	2,001	78	80	63	89	2,311
4-5pm	2,747	24	78	99	317	3,265	1,871	194	156	53	174	2,448
5-6pm	2,860	24	22	55	256	3,217	2,007	103	115	105	110	2,440
6-7pm	2,554	9	27	60	151	2,801	2,102	32	61	57	65	2,317
7-8pm	---	---	---	---	---	2,351	---	---	---	---	---	1,797
8-9pm	---	---	---	---	---	2,313	---	---	---	---	---	1,420
9-10pm	---	---	---	---	---	2,320	---	---	---	---	---	1,345
10-11pm	---	---	---	---	---	2,143	---	---	---	---	---	1,167
11-12pm	---	---	---	---	---	1,688	---	---	---	---	---	865
Totals	---	---	---	---	---	46,511	---	---	---	---	---	41,316
7-10am	3,863	301	40	385	268	4,857	8,228	289	247	438	795	9,997
10am-1pm	5,841	142	33	269	281	6,566	6,036	54	202	256	286	6,834
1-4pm	8,376	88	194	416	665	9,739	5,175	177	298	332	321	6,303
4-7pm	8,161	57	127	214	724	9,283	5,980	329	332	215	349	7,205
7am-7pm	26,241	588	394	1,284	1,938	30,445	25,419	849	1,079	1,241	1,751	30,339
6-10am						6,498						12,191
3-7pm	11,369	89	163	275	860	12,756	7,981	407	412	278	438	9,516
6am-7pm						32,086						32,533

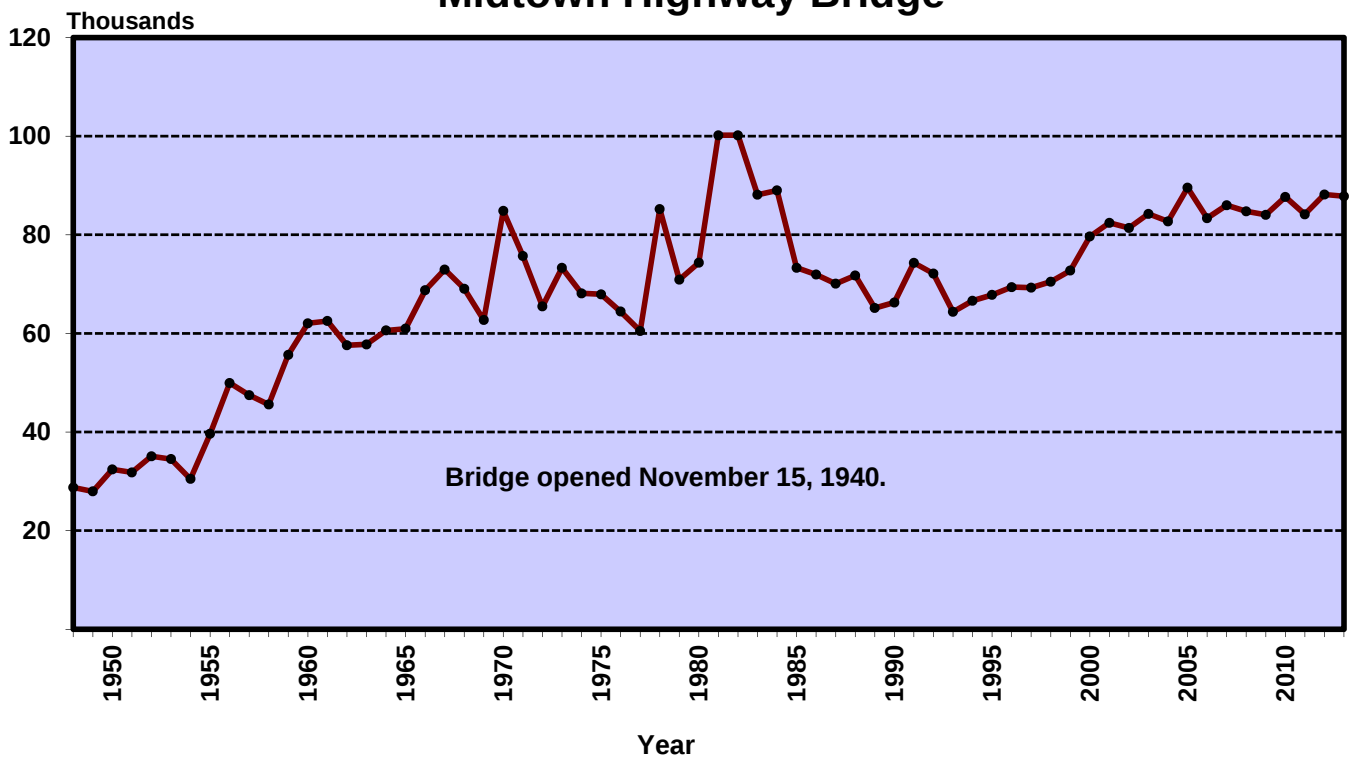
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Midtown Highway Bridge ~ 2013



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



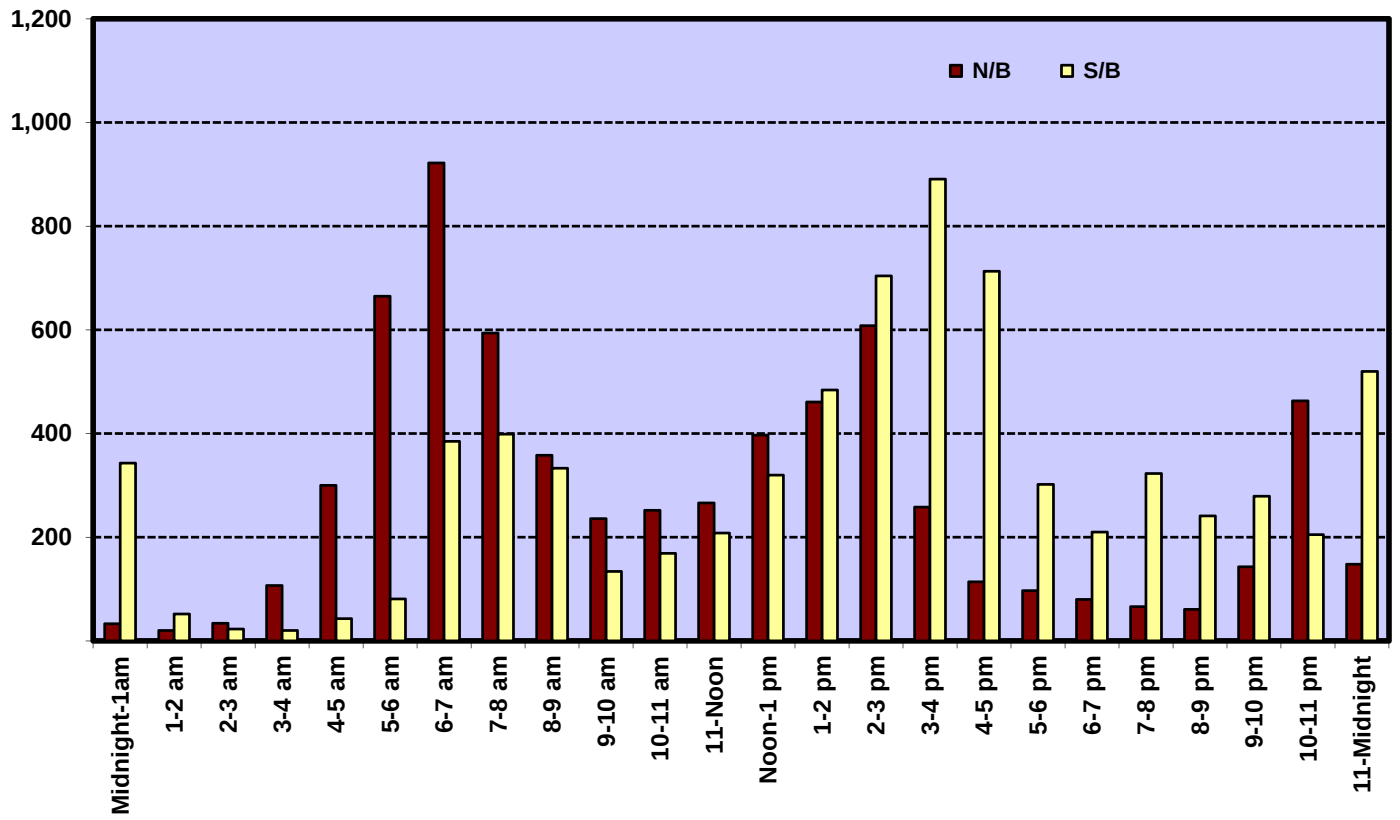
Hourly Vehicular Volumes Rikers Island Bridge - 2013

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	33	---	---	---	---	---	343
1-2am	---	---	---	---	---	20	---	---	---	---	---	52
2-3am	---	---	---	---	---	34	---	---	---	---	---	23
3-4am	---	---	---	---	---	107	---	---	---	---	---	20
4-5am	---	---	---	---	---	300	---	---	---	---	---	43
5-6am	---	---	---	---	---	665	---	---	---	---	---	81
6-7am	---	---	---	---	---	922 **	---	---	---	---	---	385
7-8am	493	7	2	32	60	594	346	24	12	12	5	399
8-9am	308	6	1	18	25	358	271	14	17	22	9	333
9-10am	164	23	1	21	27	236	97	10	3	19	5	134
10-11am	194	15	0	20	23	252	137	14	4	12	2	169
11-12am	187	15	3	28	33	266	136	22	14	25	11	208
12-1pm	347	16	2	11	21	397	278	12	13	10	7	320
1-2pm	394	36	2	11	18	461	422	18	23	15	6	484
2-3pm	536	14	1	17	40	608	609	18	34	28	15	704 **
3-4pm	231	9	1	6	11	258	831	16	27	16	1	891 **
4-5pm	98	7	1	2	6	114	660	10	27	16	0	713
5-6pm	78	8	1	0	10	97	272	9	15	2	4	302
6-7pm	52	17	2	4	5	80	176	6	23	5	0	210
7-8pm	---	---	---	---	---	66	---	---	---	---	---	323
8-9pm	---	---	---	---	---	61	---	---	---	---	---	241
9-10pm	---	---	---	---	---	143	---	---	---	---	---	279
10-11pm	---	---	---	---	---	463	---	---	---	---	---	205
11-12pm	---	---	---	---	---	148	---	---	---	---	---	520
Totals	---	---	---	---	---	6,683	---	---	---	---	---	7,382
7-10am	965	36	4	71	112	1,188	714	48	32	53	19	866
10am-1pm	728	46	5	59	77	915	551	48	31	47	20	697
1-4pm	1,161	59	4	34	69	1,327	1,862	52	84	59	22	2,079
4-7pm	228	32	4	6	21	291	1,108	25	65	23	4	1,225
7am-7pm	3,082	173	17	170	279	3,721	4,235	173	212	182	65	4,867
6-10am						2,110						1,251
3-7pm	459	41	5	12	32	549	1,939	41	92	39	5	2,116
6am-7pm						4,643						5,252

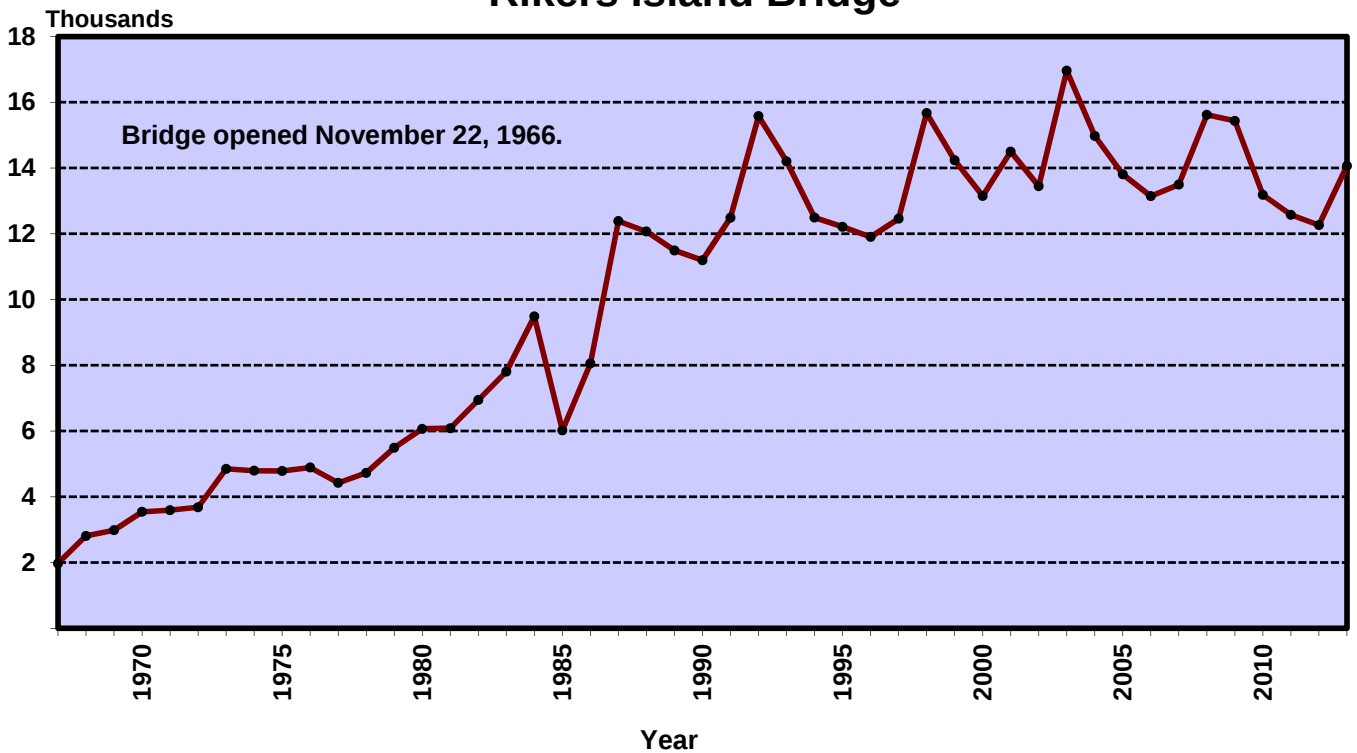
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Rikers Island Bridge ~ 2013



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



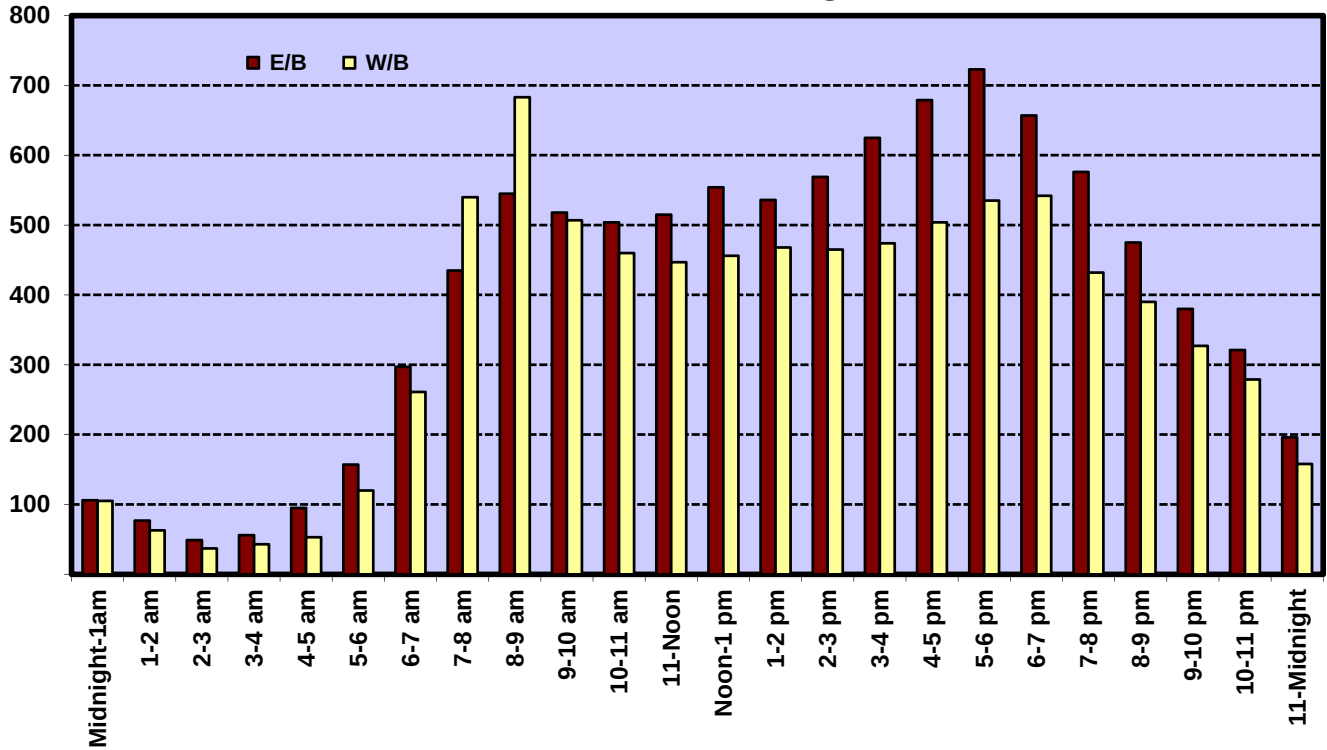
Hourly Vehicular Volumes Roosevelt Avenue Bridge - 2013

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	106	---	---	---	---	---	105
1-2am	---	---	---	---	---	77	---	---	---	---	---	63
2-3am	---	---	---	---	---	49	---	---	---	---	---	37
3-4am	---	---	---	---	---	56	---	---	---	---	---	43
4-5am	---	---	---	---	---	95	---	---	---	---	---	53
5-6am	---	---	---	---	---	157	---	---	---	---	---	120
6-7am	---	---	---	---	---	297	---	---	---	---	---	261
7-8am	342	29	12	32	20	435	457	4	14	34	31	540
8-9am	425	18	12	43	47	545	604	17	10	20	32	683
9-10am	410	7	11	42	48	518	408	43	9	22	25	507
10-11am	441	6	10	21	26	504	429	7	2	16	6	460
11-12am	408	11	11	39	46	515	404	14	3	17	9	447
12-1pm	509	6	9	16	14	554	439	9	1	3	4	456
1-2pm	474	30	2	9	21	536	452	11	0	1	4	468
2-3pm	432	29	14	50	44	569	434	7	2	12	10	465
3-4pm	550	12	9	24	30	625	401	56	1	7	9	474
4-5pm	512	9	28	50	80	679	472	12	3	8	9	504
5-6pm	595	5	21	26	76	723	511	6	2	10	6	535
6-7pm	557	4	15	24	57	657	494	25	5	9	9	542
7-8pm	---	---	---	---	---	576	---	---	---	---	---	432
8-9pm	---	---	---	---	---	475	---	---	---	---	---	390
9-10pm	---	---	---	---	---	380	---	---	---	---	---	327
10-11pm	---	---	---	---	---	321	---	---	---	---	---	279
11-12pm	---	---	---	---	---	196	---	---	---	---	---	158
Totals	---	---	---	---	---	9,645	---	---	---	---	---	8,349
7-10am	1,177	54	35	117	115	1,498	1,469	64	33	76	88	1,730
10am-1pm	1,358	23	30	76	86	1,573	1,272	30	6	36	19	1,363
1-4pm	1,456	71	25	83	95	1,730	1,287	74	3	20	23	1,407
4-7pm	1,664	18	64	100	213	2,059	1,477	43	10	27	24	1,581
7am-7pm	5,655	166	154	376	509	6,860	5,505	211	52	159	154	6,081
6-10am						1,795						1,991
3-7pm	2,214	30	73	124	243	2,684	1,878	99	11	34	33	2,055
6am-7pm						7,157						6,342
												13,499

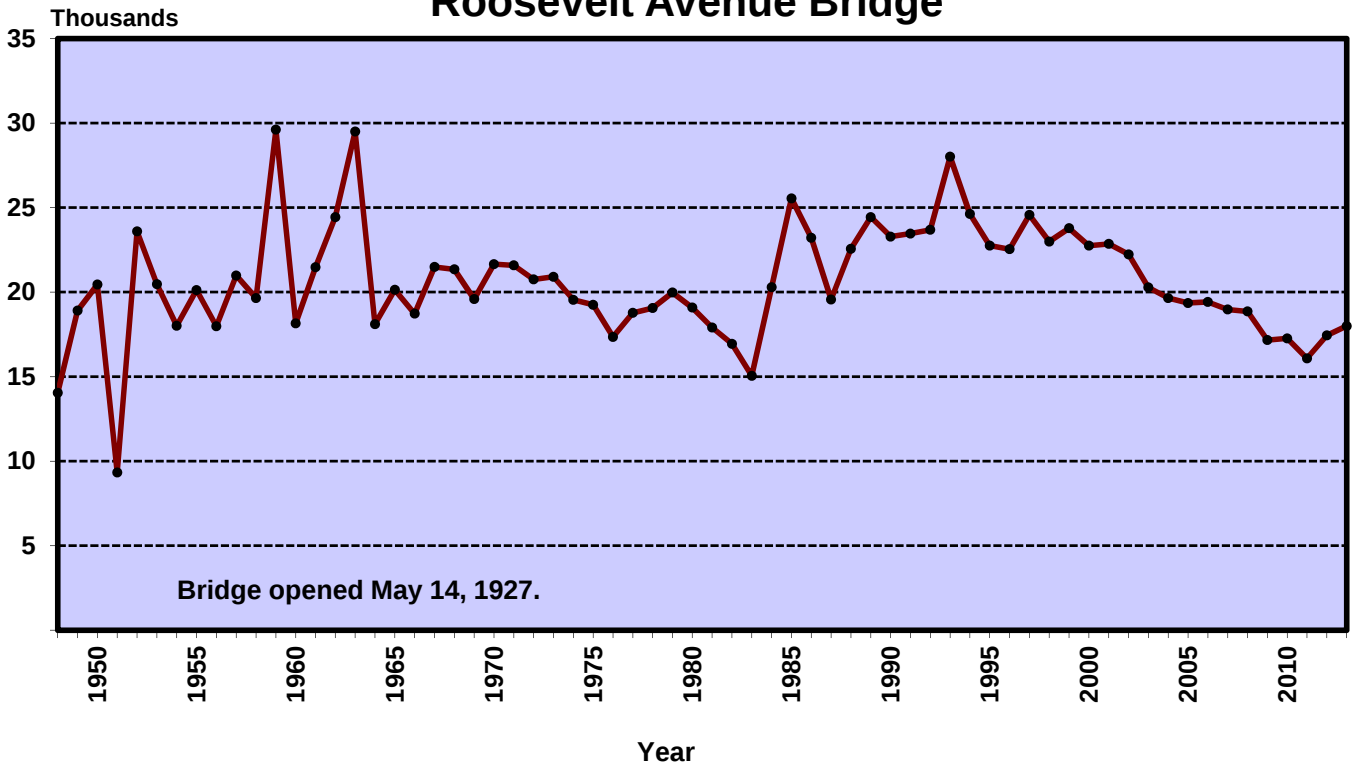
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Roosevelt Avenue Bridge ~ 2013



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



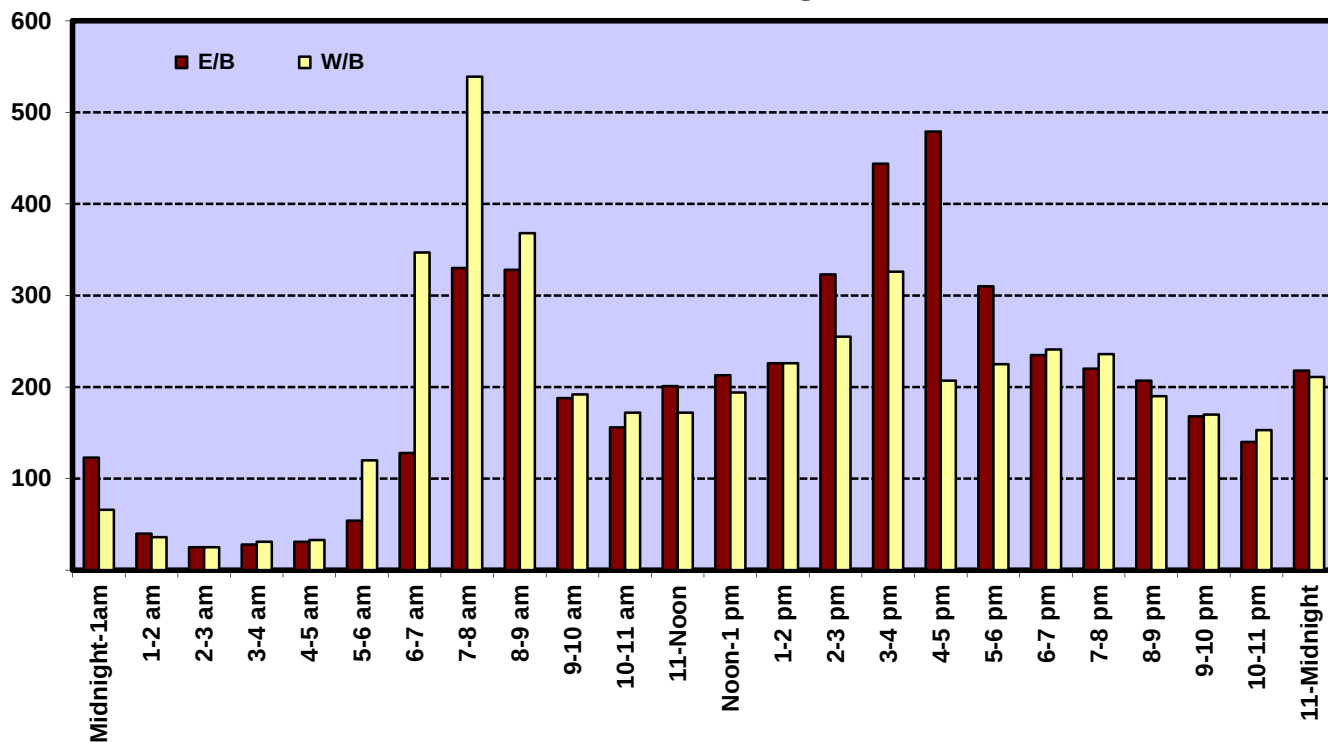
Hourly Vehicular Volumes Roosevelt Island Bridge - 2013

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	123	---	---	---	---	---	66
1-2am	---	---	---	---	---	40	---	---	---	---	---	36
2-3am	---	---	---	---	---	25	---	---	---	---	---	25
3-4am	---	---	---	---	---	28	---	---	---	---	---	31
4-5am	---	---	---	---	---	31	---	---	---	---	---	33
5-6am	---	---	---	---	---	54	---	---	---	---	---	120
6-7am	---	---	---	---	---	128	---	---	---	---	---	347
7-8am	290	16	15	5	4	330	479	9	30	13	8	539 **
8-9am	261	18	22	18	9	328	344	5	2	13	4	368
9-10am	144	8	9	22	5	188	167	4	8	11	2	192
10-11am	137	2	4	8	5	156	147	5	1	11	8	172
11-12am	154	5	9	16	17	201	129	4	8	23	8	172
12-1pm	187	4	2	14	6	213	160	22	3	5	4	194
1-2pm	204	7	2	5	8	226	200	7	1	10	8	226
2-3pm	277	5	5	27	9	323	225	7	5	10	8	255
3-4pm	404	22	1	8	9	444	306	8	5	4	3	326
4-5pm	452	6	10	1	10	479 **	187	8	5	2	5	207
5-6pm	292	5	0	3	10	310	207	7	0	4	7	225
6-7pm	218	2	1	1	13	235	230	4	3	3	1	241
7-8pm	---	---	---	---	---	220	---	---	---	---	---	236
8-9pm	---	---	---	---	---	207	---	---	---	---	---	190
9-10pm	---	---	---	---	---	168	---	---	---	---	---	170
10-11pm	---	---	---	---	---	140	---	---	---	---	---	153
11-12pm	---	---	---	---	---	218	---	---	---	---	---	211
Totals	---	---	---	---	---	4,815	---	---	---	---	---	4,735
7-10am	695	42	46	45	18	846	990	18	40	37	14	1,099
10am-1pm	478	11	15	38	28	570	436	31	12	39	20	538
1-4pm	885	34	8	40	26	993	731	22	11	24	19	807
4-7pm	962	13	11	5	33	1,024	624	19	8	9	13	673
7am-7pm	3,020	100	80	128	105	3,433	2,781	90	71	109	66	3,117
6-10am	---	---	---	---	---	974	---	---	---	---	---	1,446
3-7pm	1,366	35	12	13	42	1,468	930	27	13	13	16	999
6am-7pm	---	---	---	---	---	3,561	---	---	---	---	---	3,464
2-Way Totals	189	76	50	59	64	174	475	869 **	696	380	328	373
												407
												452
												578
												770
												686
												535
												476
												456
												397
												338
												293
												429
												9,550

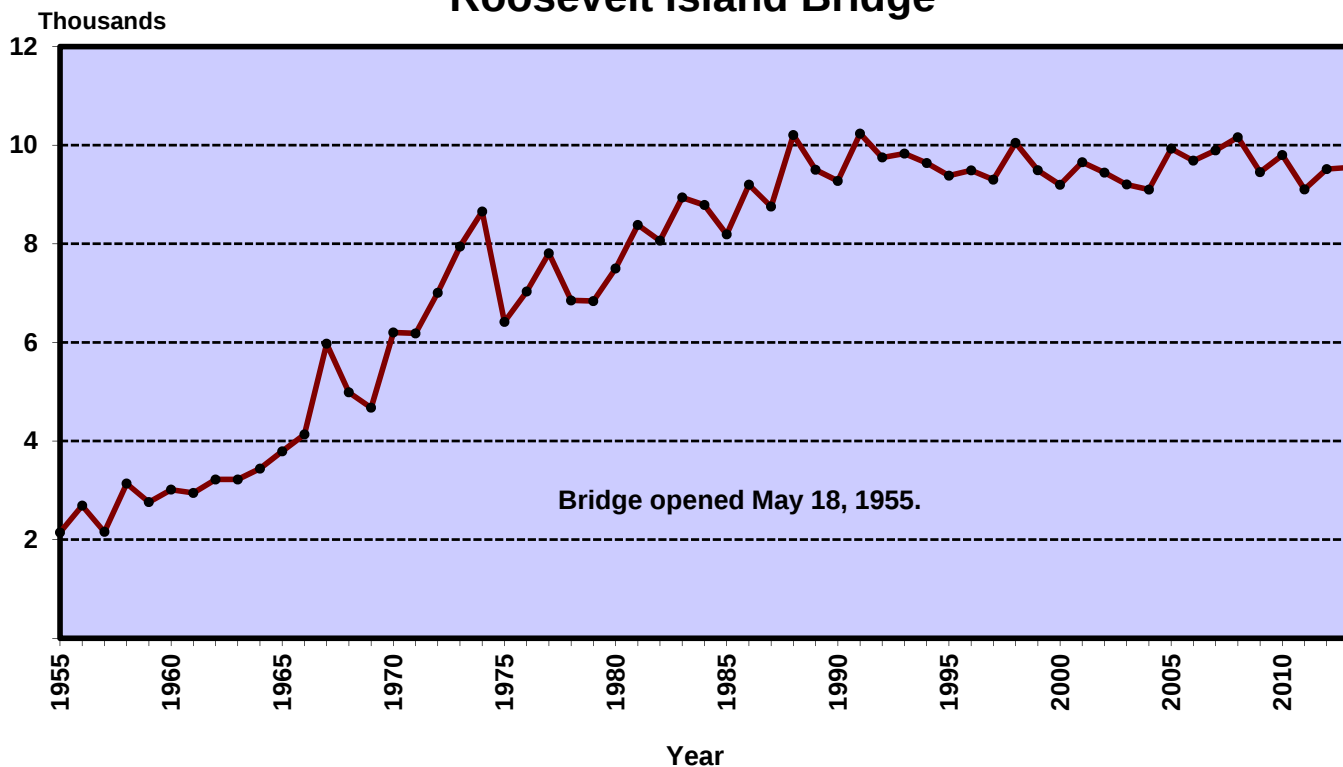
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Roosevelt Island Bridge ~ 2013



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



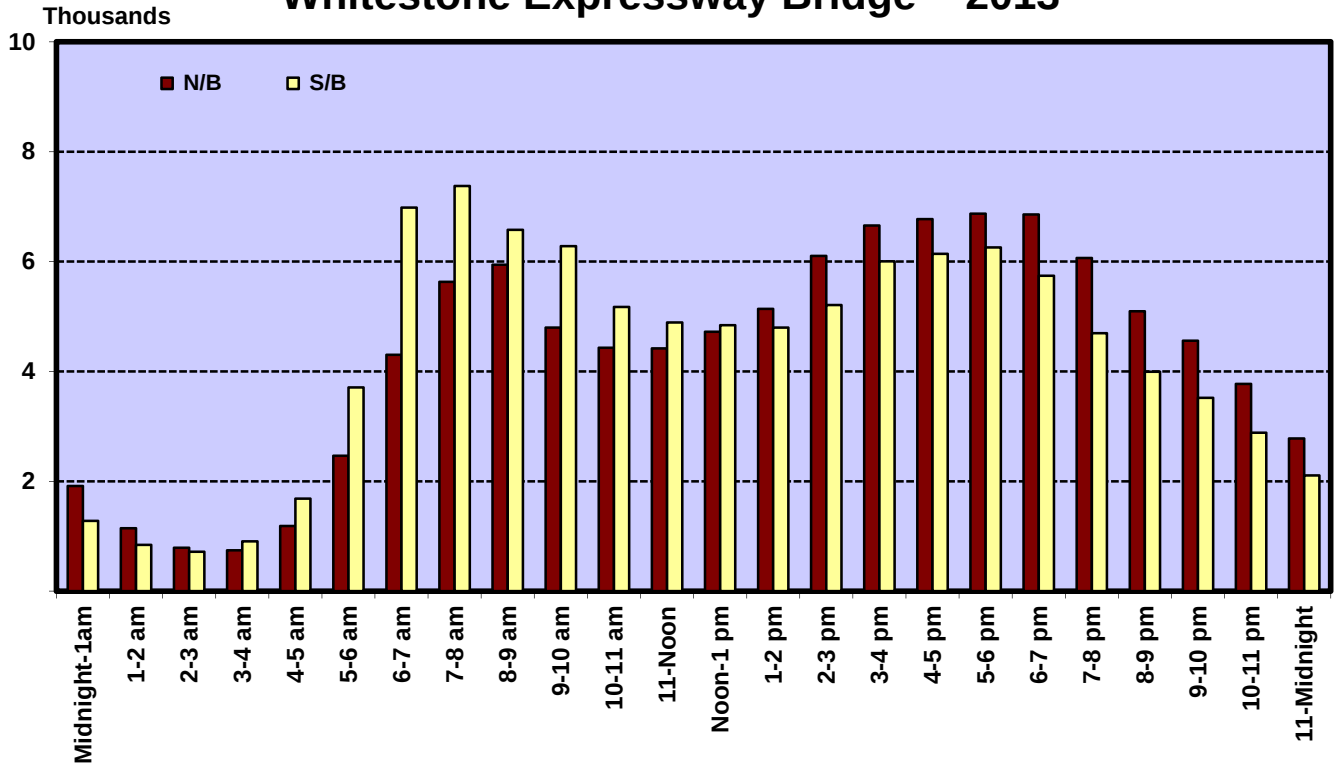
Hourly Vehicular Volumes Whitestone Expressway Bridge - 2013

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	1,914	---	---	---	---	---	1,279
1-2am	---	---	---	---	---	1,146	---	---	---	---	---	842
2-3am	---	---	---	---	---	791	---	---	---	---	---	719
3-4am	---	---	---	---	---	745	---	---	---	---	---	906
4-5am	---	---	---	---	---	1,188	---	---	---	---	---	1,685
5-6am	---	---	---	---	---	2,464	---	---	---	---	---	3,709
6-7am	---	---	---	---	---	4,303	---	---	---	---	---	6,982
7-8am	4,742	90	171	292	337	5,632	5,889	61	240	525	660	7,375 **
8-9am	4,939	76	294	392	242	5,943	5,460	71	186	464	396	6,577
9-10am	3,858	76	180	456	227	4,797	4,922	85	222	579	473	6,281
10-11am	3,875	40	92	264	161	4,432	4,693	22	116	219	125	5,175
11-12am	3,366	29	166	571	288	4,420	3,918	25	211	482	256	4,892
12-1pm	4,175	73	67	272	136	4,723	4,300	31	104	241	167	4,843
1-2pm	4,657	64	45	243	131	5,140	4,204	61	95	270	169	4,799
2-3pm	4,950	70	150	509	424	6,103	4,182	74	167	488	299	5,210
3-4pm	6,062	29	84	239	243	6,657	5,385	99	121	233	167	6,005
4-5pm	5,854	25	163	333	399	6,774	5,151	61	224	403	301	6,140
5-6pm	6,019	34	163	261	395	6,872 **	5,662	27	165	234	170	6,258
6-7pm	6,129	53	170	174	330	6,856	5,292	10	179	109	151	5,741
7-8pm	---	---	---	---	---	6,065	---	---	---	---	---	4,697
8-9pm	---	---	---	---	---	5,094	---	---	---	---	---	3,994
9-10pm	---	---	---	---	---	4,558	---	---	---	---	---	3,519
10-11pm	---	---	---	---	---	3,772	---	---	---	---	---	2,886
11-12pm	---	---	---	---	---	2,781	---	---	---	---	---	2,106
Totals	---	---	---	---	---	103,170	---	---	---	---	---	102,620
7-10am	13,539	242	645	1,140	806	16,372	16,271	217	648	1,568	1,529	20,233
10am-1pm	11,416	142	325	1,107	585	13,575	12,911	78	431	942	548	14,910
1-4pm	15,669	163	279	991	798	17,900	13,771	234	383	991	635	16,014
4-7pm	18,002	112	496	768	1,124	20,502	16,105	98	568	746	622	18,139
7am-7pm	58,626	659	1,745	4,006	3,313	68,349	59,058	627	2,030	4,247	3,334	69,296
6-10am						20,675						27,215
3-7pm	24,064	141	580	1,007	1,367	27,159	21,490	197	689	979	789	24,144
6am-7pm						72,652						76,278

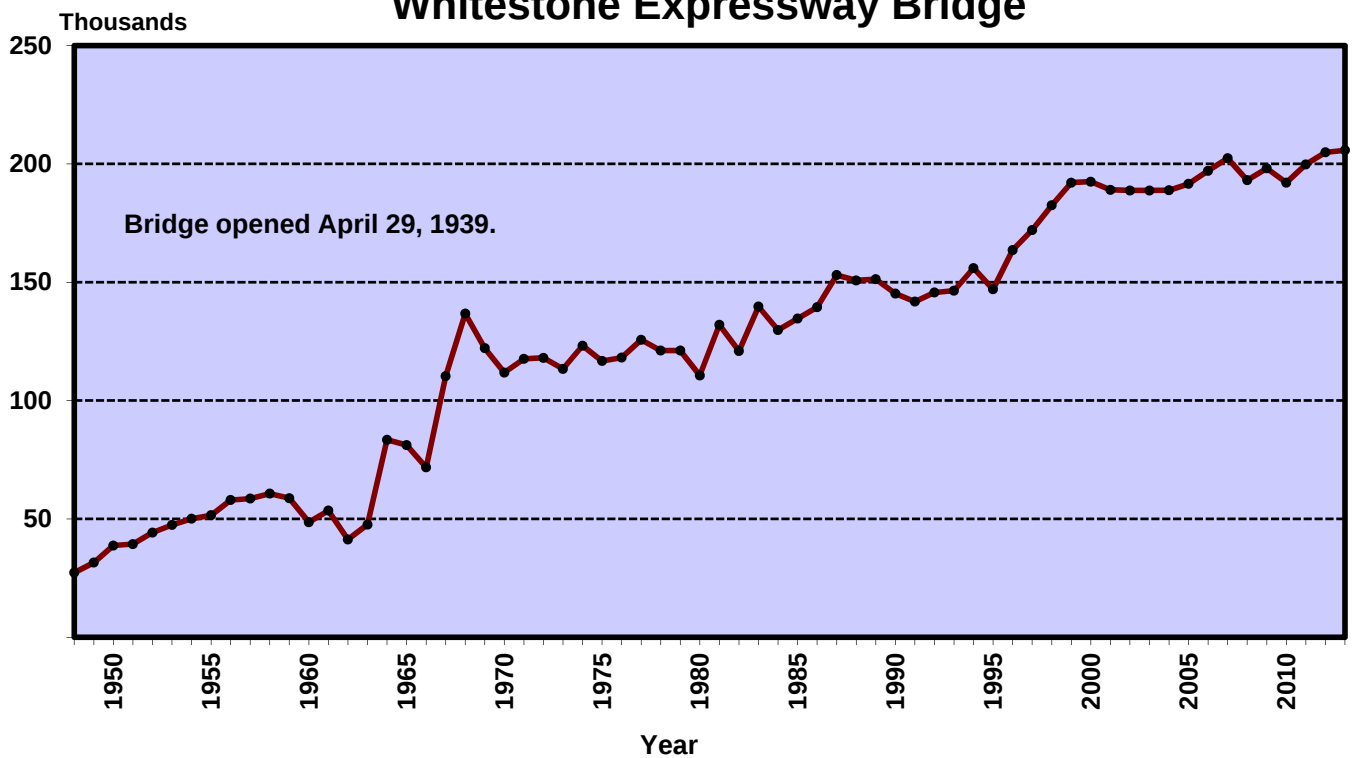
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Whitestone Expressway Bridge ~ 2013



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

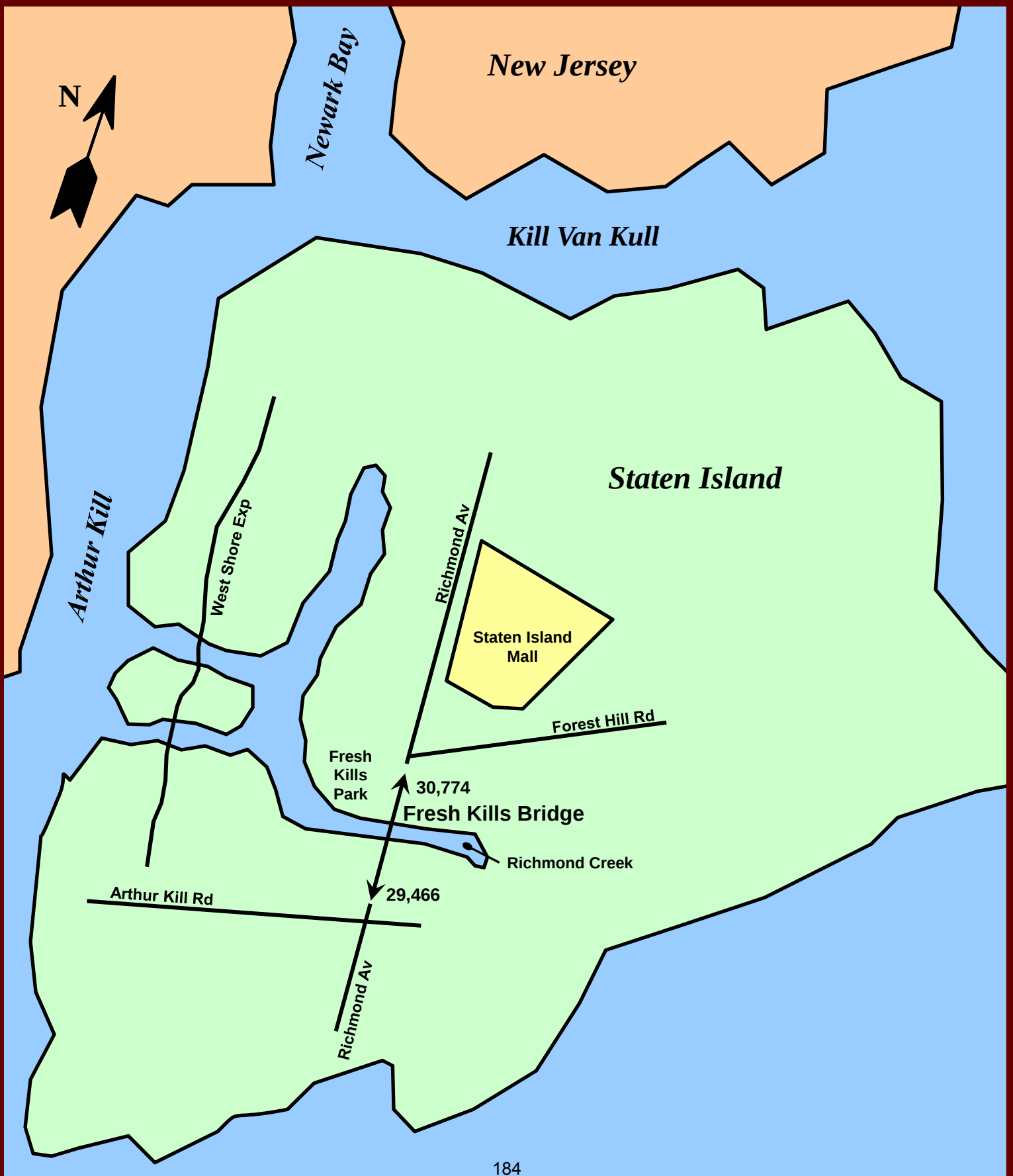


Staten Island ~ Fresh Kills Bridge



Staten Island ~ Fresh Kills Bridge

2013 Daily Volumes



Staten Island Bridges
Average Daily Traffic Volumes
1948 - 2013

<i>Year</i>	<i>Fresh Kills</i>
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

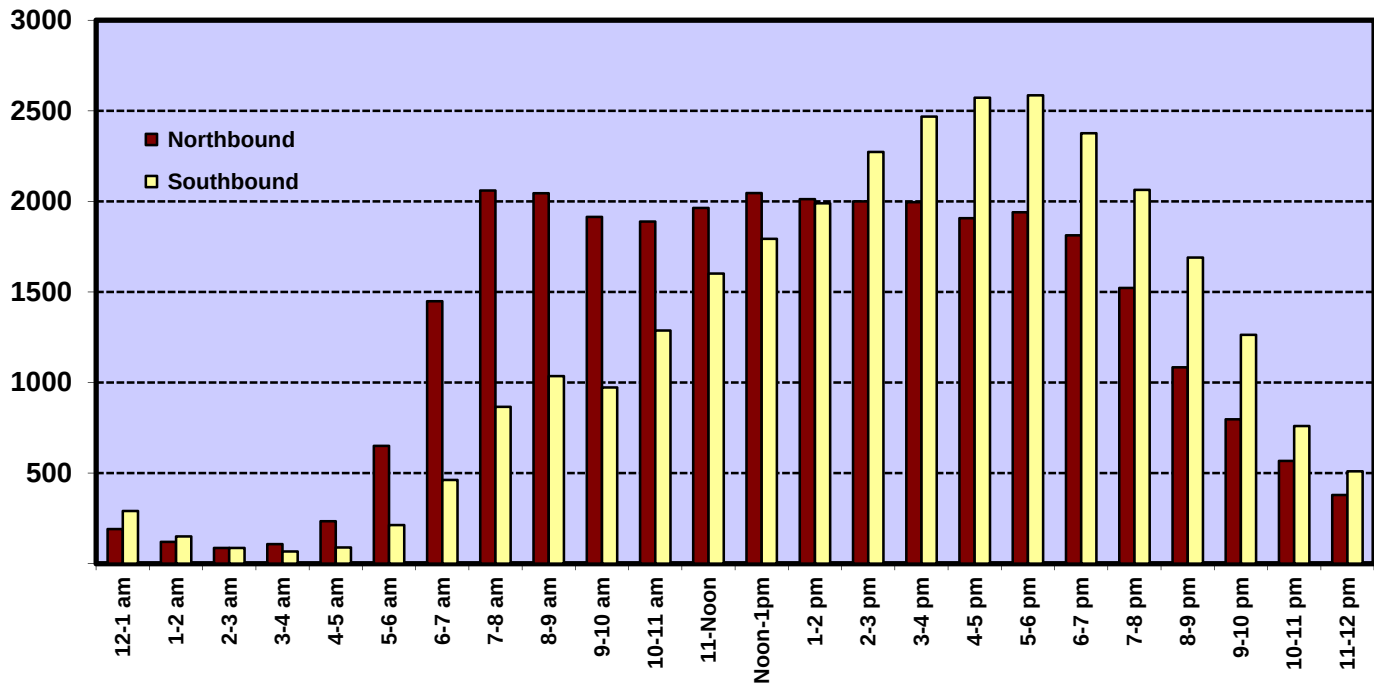
Hourly Vehicular Volumes Fresh Kills Bridge - 2013

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	191	---	---	---	---	---	291
1-2am	---	---	---	---	---	120	---	---	---	---	---	150
2-3am	---	---	---	---	---	87	---	---	---	---	---	87
3-4am	---	---	---	---	---	108	---	---	---	---	---	67
4-5am	---	---	---	---	---	234	---	---	---	---	---	89
5-6am	---	---	---	---	---	650	---	---	---	---	---	213
6-7am	---	---	---	---	---	1,449	---	---	---	---	---	462
7-8am	1,084	113	327	363	173	2,060	755	51	5	30	25	866
8-9am	877	193	380	465	130	2,045	922	20	3	60	30	1,035
9-10am	1,369	24	201	270	50	1,914	851	15	3	70	34	973
10-11am	1,648	37	74	109	21	1,889	1,202	14	0	45	26	1,287
11-12am	1,400	74	177	278	35	1,964	1,391	14	2	127	68	1,602
12-1pm	1,710	28	93	181	34	2,046	1,620	36	0	90	47	1,793
1-2pm	1,766	53	70	82	41	2,012	1,815	76	0	70	28	1,989
2-3pm	1,513	87	144	231	25	2,000	1,879	67	0	215	112	2,273
3-4pm	1,730	87	81	85	13	1,996	2,248	40	5	92	83	2,468
4-5pm	1,565	44	120	145	33	1,907	2,272	27	4	165	104	2,572
5-6pm	1,531	88	158	140	23	1,940	2,213	33	3	203	134	2,586
6-7pm	1,411	128	140	102	32	1,813	2,060	29	14	155	118	2,376
7-8pm	---	---	---	---	---	1,522	---	---	---	---	---	2,064
8-9pm	---	---	---	---	---	1,084	---	---	---	---	---	1,690
9-10pm	---	---	---	---	---	797	---	---	---	---	---	1,263
10-11pm	---	---	---	---	---	567	---	---	---	---	---	760
11-12pm	---	---	---	---	---	379	---	---	---	---	---	510
Totals	---	---	---	---	---	30,774	---	---	---	---	---	29,466
7-10am	3,330	330	908	1,098	353	6,019	2,528	86	11	160	89	2,874
10am-1pm	4,758	139	344	568	90	5,899	4,213	64	2	262	141	4,682
1-4pm	5,009	227	295	398	79	6,008	5,942	183	5	377	223	6,730
4-7pm	4,507	260	418	387	88	5,660	6,545	89	21	523	356	7,534
7am-7pm	17,604	956	1,965	2,451	610	23,586	19,228	422	39	1,322	809	21,820
6-10am												
3-7pm	6,237	347	499	472	101	7,468	8,793	129	26	615	439	3,336
6am-7pm												
												10,002
												22,282
												17,658
												47,317

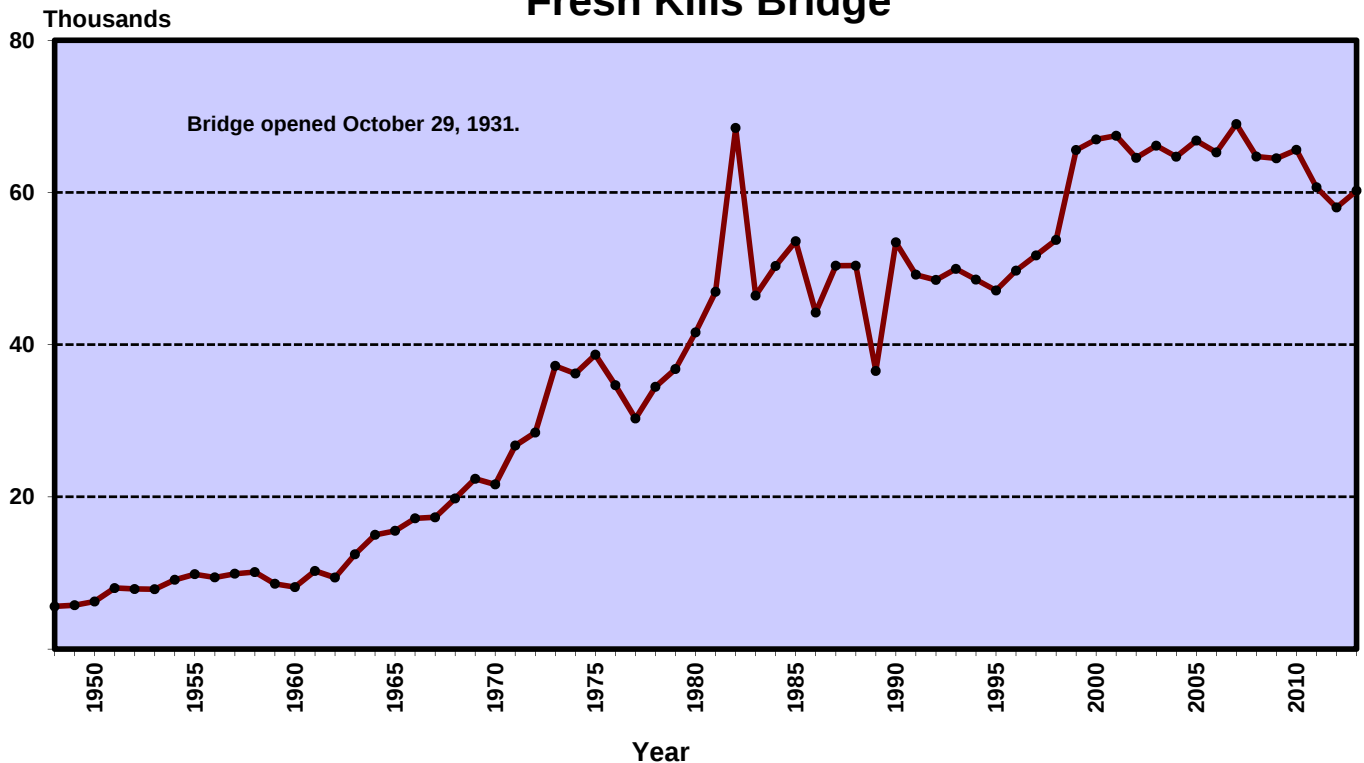
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Fresh Kills Bridge ~ 2013



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



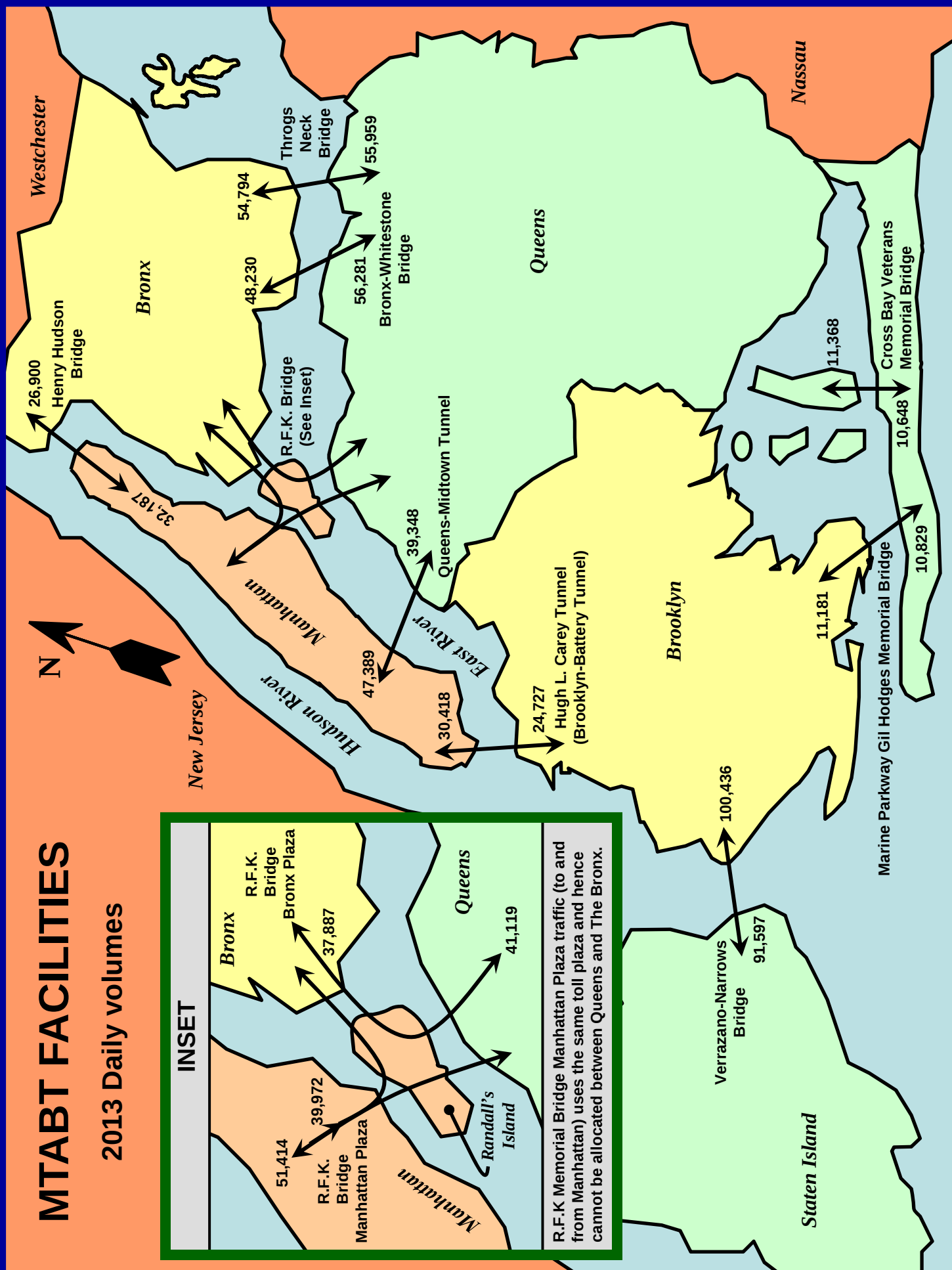
MTABT Facilities



Verrazano Narrows Bridge

MTABT FACILITIES

2013 Daily volumes



**MTABT Manhattan Facilities ~ Average Daily Traffic Volumes
1948 - 2013**

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

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.

**MTABT Outer Borough Bridges ~ Average Daily Traffic Volumes
1948 - 2013**

<i>Year</i>	<i>Bronx- Whitestone Bridge</i>	<i>Cross Bay Bridge</i>	<i>Marine Parkway Gil Hodges Memorial Bridge</i>	<i>Robert F. Kennedy Memorial Bridge Bronx Plz. (Triborough Bridge)</i>	<i>Throgs Neck Bridge</i>	<i>Verrazano- Narrows Bridge</i>	<i>Outer Boroughs Totals</i>
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

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.

Hourly Vehicular Volumes

Metropolitan Transportation Authority Bridges & Tunnels

2013

	Henry Hudson Bridge		Hugh L. Carey Tunnel (Brooklyn-Battery Tunnel)		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	102	292	179	556	424	684	452	421	1,157	1,953
1-2am	50	113	90	233	176	376	194	229	510	951
2-3am	41	71	53	109	106	223	111	150	311	553
3-4am	41	44	72	70	126	173	126	154	365	441
4-5am	114	46	194	70	281	380	254	403	843	899
5-6am	504	106	851	133	1,101	764	998	978	3,454	1,981
6-7am	2,324	479	2,170	390	2,536	1,262	3,208	1,574	10,238	3,705
7-8am	3,491 **	1,215	3,089	641	3,663	1,351	4,425 **	1,960	14,668 **	5,167
8-9am	3,056	1,606	3,226 **	738	4,172 **	1,222	4,094	2,028	14,548	5,594
9-10am	2,163	1,011	2,888	754	3,969	1,218	3,621	1,923	12,641	4,906
10-11am	1,824	890	2,055	797	2,841	1,508	3,050	1,902	9,770	5,097
11-12am	1,604	944	1,619	865	2,590	1,725	2,709	1,962	8,522	5,496
12-1pm	1,454	994	1,427	1,051	2,285	2,084	2,437	2,102	7,603	6,231
1-2pm	1,339	1,162	1,313	1,225	2,242	2,411	2,287	2,264	7,181	7,062
2-3pm	1,539	1,474	1,420	1,572	2,515	2,768	2,583	2,591	8,057	8,405
3-4pm	2,021	1,973	1,516	1,974	2,710	2,799	3,148	3,021	9,395	9,767
4-5pm	2,245	2,334	1,598	2,282	2,871	2,958	3,083	3,142 **	9,797	10,716
5-6pm	2,535	2,587 **	1,608	2,326	2,983	2,967 **	3,323	3,036	10,449	10,916 **
6-7pm	2,309	2,569	1,627	2,394 **	2,630	2,765	3,180	2,493	9,746	10,221
7-8pm	1,267	2,038	1,196	1,908	2,105	2,257	2,453	2,134	7,021	8,337
8-9pm	838	1,486	744	1,523	1,625	2,120	1,791	1,828	4,998	6,957
9-10pm	654	1,412	545	1,165	1,461	2,182	1,600	1,595	4,260	6,354
10-11pm	430	1,350	524	1,058	1,142	1,925	1,315	1,326	3,411	5,659
11-12pm	242	704	414	893	835	1,226	972	756	2,463	3,579
Totals	32,187	26,900	30,418	24,727	47,389	39,348	51,414	39,972	161,408	130,947
7-10am	8,710	3,832	9,203	2,133	11,804	3,791	12,140	5,911	41,857	15,667
10am-1pm	4,882	2,828	5,101	2,713	7,716	5,317	8,196	5,966	25,895	16,824
1-4pm	4,899	4,609	4,249	4,771	7,467	7,978	8,018	7,876	24,633	25,234
4-7pm	7,089	7,490	4,833	7,002	8,484	8,690	9,586	8,671	29,992	31,853
7am-7pm	25,580	18,759	23,386	16,619	35,471	25,776	37,940	28,424	122,377	89,578
6-10am	11,034	4,311	11,373	2,523	14,340	5,053	15,348	7,485	52,095	19,372
3-7pm	9,110	9,463	6,349	8,976	11,194	11,489	12,734	11,692	39,387	41,620
6am-7pm	27,904	19,238	25,556	17,009	38,007	27,038	41,148	29,998	132,615	93,283

** Peak Volumes

Hourly Vehicular Volumes

Metropolitan Transportation Authority Bridges & Tunnels

2013

	Robert F. Kennedy											
	Cross Bay				Marine Parkway				Throgs Neck			
	Veterans Memorial Bridge		Memorial Bridge		Gil Hodges Memorial Bridge		Bronx Plaza		Throgs Neck Bridge		Verrazano-Narrows Bridge	
	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	686	686	66	174	45	113	571	413	440	599	2,598	1,628
1-2am	367	396	38	92	28	46	337	275	292	392	1,347	926
2-3am	269	336	29	48	17	27	254	243	264	280	732	650
3-4am	318	409	60	37	21	24	277	313	352	321	592	493
4-5am	548	896	141	49	56	36	474	567	650	534	604	653
5-6am	1,458	1,929	456	119	264	104	922	1,447	2,159	1,159	972	1,252
6-7am	2,911	3,290	1,012	380	745	345	1,952	2,956 **	4,600	2,578	3,343	2,788
7-8am	3,717 **	3,046	1,280 **	566	1,512 **	520	2,853	2,768	5,024 **	3,446	8,213	3,792
8-9am	3,503	2,973	893	526	1,070	583	2,980 **	2,662	4,308	3,221	9,556 **	4,388
9-10am	3,016	2,800	540	460	728	456	2,439	2,452	3,834	2,764	7,784	4,217
10-11am	2,401	2,515	539	437	595	424	1,847	2,109	3,004	2,479	5,969	3,667
11-12am	2,016	2,515	550	427	543	451	1,756	2,039	2,680	2,452	4,760	3,686
12-1pm	1,898	2,469	554	424	529	485	1,733	2,067	2,523	2,566	3,776	3,776
1-2pm	2,321	2,794	585	524	532	533	1,930	1,990	2,573	2,848	3,997	4,419
2-3pm	2,637	3,201	684	693	614	659	1,985	2,232	2,780	3,470	4,211	5,610
3-4pm	2,903	3,863	799	844	760	944	2,476	2,734	2,838	4,698 **	4,678	7,326
4-5pm	2,972	4,012 **	679	858	758	953	2,500	2,782	3,005	4,437	5,596	7,967 **
5-6pm	2,958	3,929	677	878 **	708	1,023 **	2,106	2,637	2,998	4,334	5,968	7,786
6-7pm	2,737	3,733	523	848	592	925	1,908	2,315	2,838	4,011	5,966	7,039
7-8pm	2,437	3,302	422	711	382	730	1,725	1,865	2,343	3,144	5,267	5,812
8-9pm	1,855	2,434	275	552	252	563	1,494	1,399	1,744	2,269	4,282	4,712
9-10pm	1,825	1,879	235	428	187	412	1,323	1,149	1,615	1,707	3,473	3,653
10-11pm	1,493	1,634	186	334	130	295	1,138	991	1,183	1,306	3,195	3,017
11-12pm	984	1,240	145	239	113	178	907	714	747	944	3,129	2,340
Totals	48,230	56,281	11,368	10,648	11,181	10,829	37,887	41,119	54,794	55,959	100,436	91,597

7-10am	10,236	8,819	2,713	1,552	3,310	1,559	8,272	7,882	13,166	9,431	25,553	12,397
10am-1pm	6,315	7,499	1,643	1,288	1,667	1,360	5,336	6,215	8,207	7,497	14,933	11,129
1-4pm	7,861	9,858	2,068	2,061	1,906	2,136	6,391	6,956	8,191	11,016	12,886	17,355
4-7pm	8,667	11,674	1,879	2,584	2,058	2,901	6,514	7,734	8,841	12,782	17,530	22,792
7am-7pm	33,079	37,850	8,303	7,485	8,941	7,956	26,513	28,787	38,405	40,726	70,902	63,673
6-10am	13,147	12,109	3,725	1,932	4,055	1,904	10,224	10,838	17,766	12,009	28,896	15,185
3-7pm	11,570	15,537	2,678	3,428	2,818	3,845	8,990	10,468	11,679	17,480	22,208	30,118
6am-7pm	35,990	41,140	9,315	7,865	9,686	8,301	28,465	31,743	43,005	43,304	74,245	66,461

** Peak Volumes

Hourly Vehicular Volumes

Hugh L. Carey Tunnel - 2013

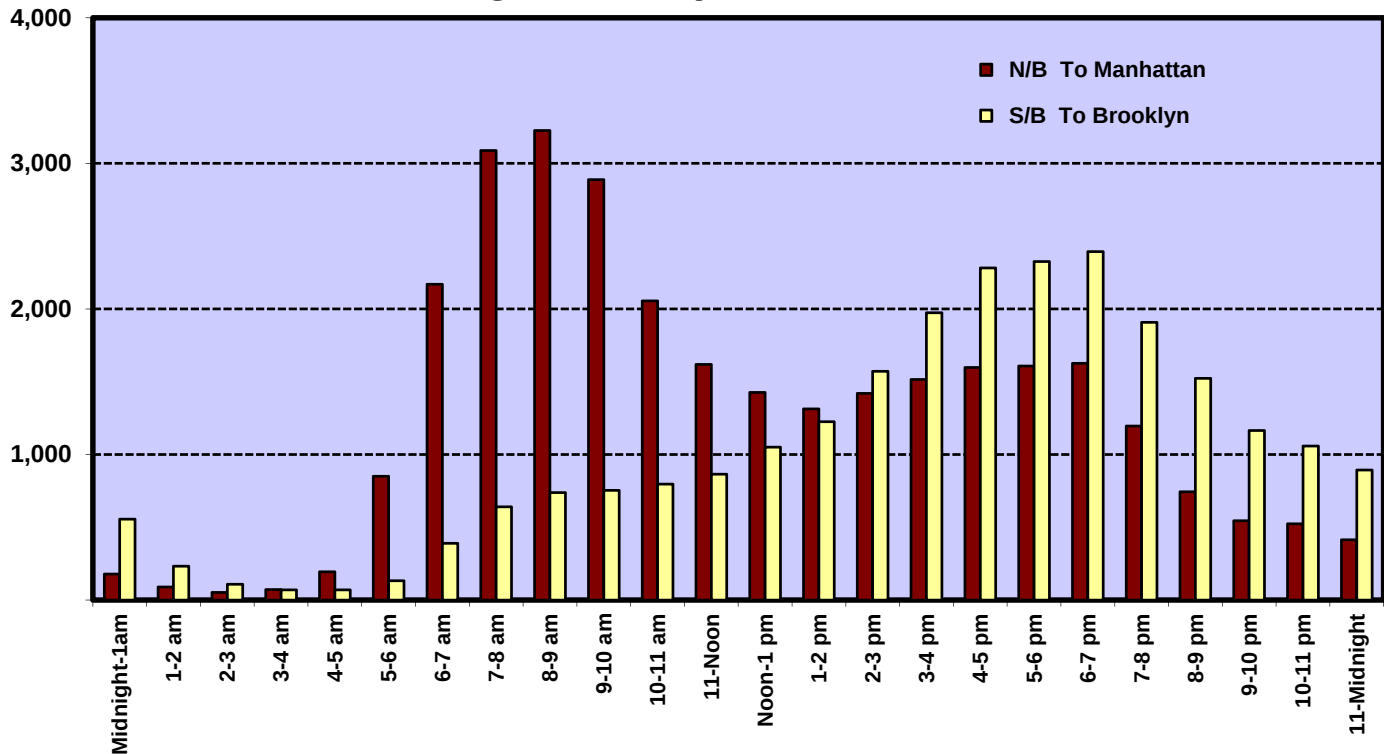
(Formerly Brooklyn-Battery Tunnel)

Northbound to Manhattan															Southbound to Brooklyn															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	5 - 7	8 - 13					Autos & Motorcycles	Pickups	Large SUVs	Buses	5 - 7	8 - 13														
	1 & 2	3	4	5 - 7	8 - 13			1 & 2	3	4	5 - 7	8 - 13																		
12-1am	153	6	10	10	0	179		506	11	33	6	0	556	735																
1-2am	79	4	6	1	0	90		222	0	10	1	0	233	323																
2-3am	48	0	3	2	0	53		104	1	3	1	0	109	162																
3-4am	61	1	7	3	0	72		68	0	0	2	0	70	142																
4-5am	125	7	48	14	0	194		65	0	4	1	0	70	264																
5-6am	765	9	68	9	0	851		119	1	9	4	0	133	984																
6-7am	1,937	13	195	25	0	2,170		290	6	82	12	0	390	2,560																
7-8am	2,712	16	320	41	0	3,089	**	462	7	155	17	0	641	3,730																
8-9am	2,820	16	351	39	0	3,226		539	6	175	18	0	738	3,964																
9-10am	2,636	21	188	43	0	2,888		578	7	148	21	0	754	3,642																
10-11am	1,870	25	104	55	1	2,055		696	9	75	17	0	797	2,852																
11-12am	1,500	14	67	37	1	1,619		781	8	59	17	0	865	2,484																
12-1pm	1,312	15	69	30	1	1,427		967	12	53	19	0	1,051	2,478																
1-2pm	1,186	12	81	34	0	1,313		1,105	13	79	28	0	1,225	2,538																
2-3pm	1,276	11	108	25	0	1,420		1,438	16	90	28	0	1,572	2,992																
3-4pm	1,354	6	143	13	0	1,516		1,800	13	137	24	0	1,974	3,490																
4-5pm	1,393	5	188	11	1	1,598		2,069	7	187	19	0	2,282	3,880																
5-6pm	1,434	3	161	7	3	1,608		2,068	6	238	13	1	2,326	3,934																
6-7pm	1,510	5	102	9	1	1,627		2,198	6	178	11	1	2,394	4,021																
7-8pm	1,136	1	55	4	0	1,196		1,798	5	97	8	0	1,908	3,104																
8-9pm	707	4	28	5	0	744		1,423	7	85	8	0	1,523	2,267																
9-10pm	518	1	24	2	0	545		1,100	4	49	12	0	1,165	1,710																
10-11pm	496	1	24	3	0	524		1,016	5	29	8	0	1,058	1,582																
11-12pm	366	0	35	13	0	414		842	7	35	9	0	893	1,307																
Totals	27,394	196	2,385	435	8	30,418		22,254	157	2,010	304	2	24,727	55,145																
7-10am	8,168	53	859	123	0	9,203		1,579	20	478	56	0	2,133	11,336																
10am-1pm	4,682	54	240	122	3	5,101		2,444	29	187	53	0	2,713	7,814																
1-4pm	3,816	29	332	72	0	4,249		4,343	42	306	80	0	4,771	9,020																
4-7pm	4,337	13	451	27	5	4,833		6,335	19	603	43	2	7,002	11,835																
7am-7pm	21,003	149	1,882	344	8	23,386		14,701	110	1,574	232	2	16,619	40,005																
6-10am	10,105	66	1,054	148	0	11,373		1,869	26	560	68	0	2,523	13,896																
3-7pm	5,691	19	594	40	5	6,349		8,135	32	740	67	2	8,976	15,325																
7am-7pm	22,940	162	2,077	369	8	25,556		14,991	116	1,656	244	2	17,009	42,565																

Based on May 2006 Classification Survey Data.

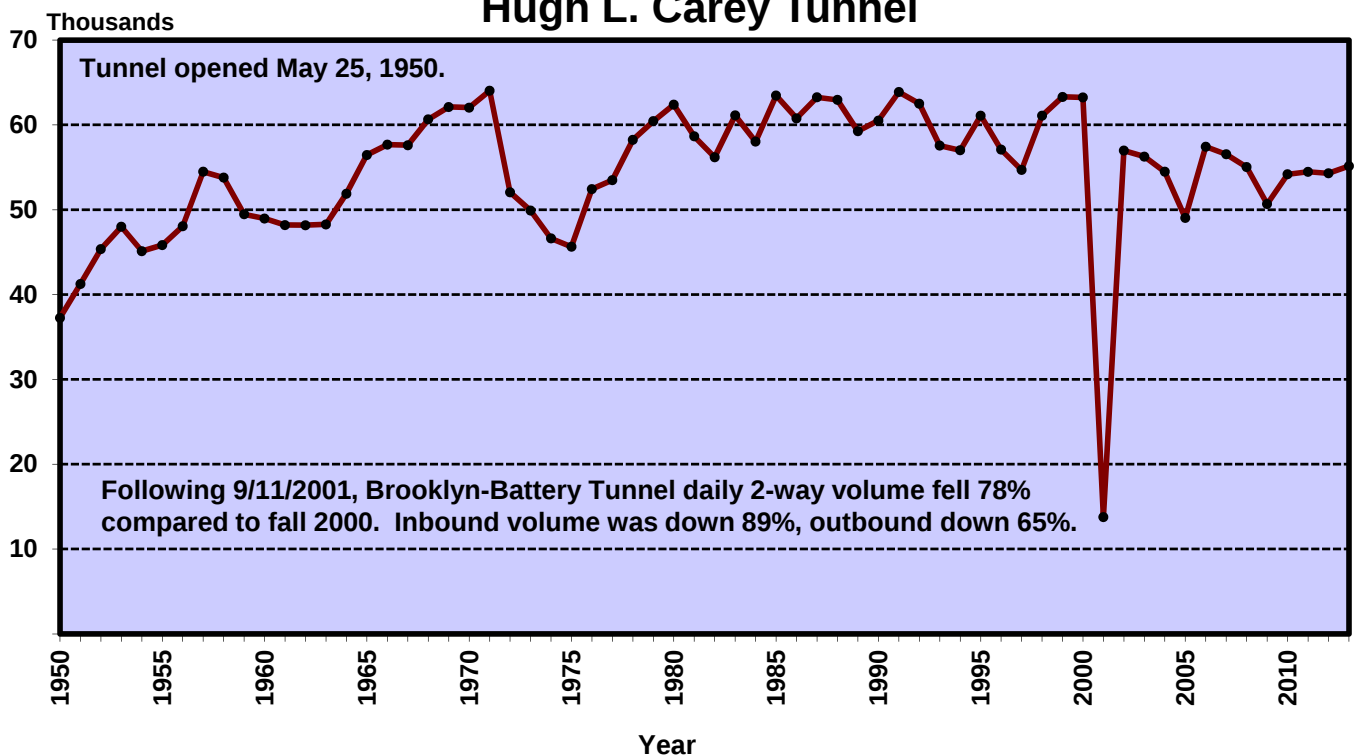
** Peak Volumes

Hourly Vehicular Volumes Hugh L. Carey Tunnel ~ 2013



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

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



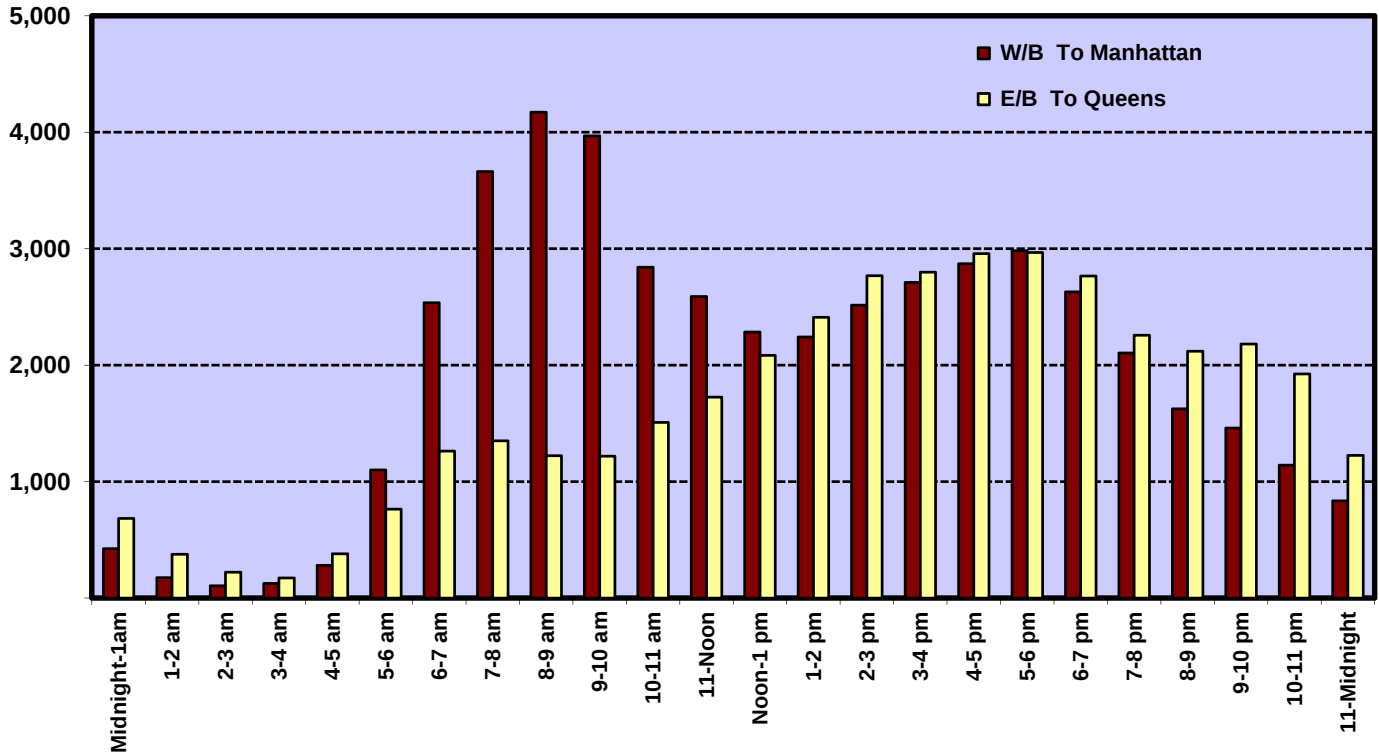
Hourly Vehicular Volumes Queens-Midtown Tunnel - 2013

FHWA Classes	Westbound to Manhattan										Eastbound to Queens										2-Way Grand Totals		
	Commuter Vans						Single Unit Trucks				Tractor Trailers	Total Vehicles	Commuter Vans						Single Unit Trucks			Tractor Trailers	Total Vehicles
	Autos & Motorcycles	Pickups	Large SUVs	Buses	4	5 - 7	8 - 13	1 & 2	3	4			5 - 7	8 - 13	1 & 2	3	4	5 - 7	8 - 13				
1 & 2											3	4								5 - 7	8 - 13	1 & 2	3
12-1am	410	2	3	9	0	424		660	6	1	17	0	684		1,108								
1-2am	169	1	0	6	0	176		358	4	0	14	0	376		552								
2-3am	98	1	1	6	0	106		208	5	0	10	0	223		329								
3-4am	113	1	3	9	0	126		154	8	0	11	0	173		299								
4-5am	226	5	15	35	0	281		314	26	3	36	1	380		661								
5-6am	960	11	54	76	0	1,101		680	20	12	52	0	764		1,865								
6-7am	2,167	89	160	120	0	2,536		1,144	34	49	35	0	1,262		3,798								
7-8am	3,157	130	231	144	1	3,663		1,202	51	64	34	0	1,351		5,014								
8-9am	3,751	118	147	156	0	4,172	**	1,067	39	74	42	0	1,222		5,394								
9-10am	3,577	101	179	108	4	3,969		1,068	46	62	42	0	1,218		5,187								
10-11am	2,580	79	95	85	2	2,841		1,307	61	73	67	0	1,508		4,349								
11-12am	2,402	64	61	63	0	2,590		1,532	58	74	61	0	1,725		4,315								
12-1pm	2,120	35	52	78	0	2,285		1,865	67	58	94	0	2,084		4,369								
1-2pm	2,044	64	67	67	0	2,242		2,141	110	61	99	0	2,411		4,653								
2-3pm	2,283	61	115	56	0	2,515		2,567	79	47	75	0	2,768		5,283								
3-4pm	2,409	56	176	69	0	2,710		2,588	63	64	84	0	2,799		5,509								
4-5pm	2,624	35	175	37	0	2,871		2,728	81	69	80	0	2,958	**	5,829								
5-6pm	2,802	19	137	25	0	2,983		2,799	47	76	45	0	2,967	**	5,950								
6-7pm	2,513	18	74	25	0	2,630		2,628	33	63	41	0	2,765		5,395								
7-8pm	2,029	13	48	15	0	2,105		2,153	22	61	21	0	2,257		4,362								
8-9pm	1,545	21	29	30	0	1,625		2,014	25	40	41	0	2,120		3,745								
9-10pm	1,404	14	17	26	0	1,461		2,093	22	23	43	1	2,182		3,643								
10-11pm	1,093	8	12	29	0	1,142		1,856	20	11	38	0	1,925		3,067								
11-12pm	811	7	3	14	0	835		1,193	4	4	25	0	1,226		2,061								
Totals	43,287	953	1,854	1,288	7	47,389		36,319	931	989	1,107	2	39,348		86,737								
7-10am	10,485	349	557	408	5	11,804		3,337	136	200	118	0	3,791		15,595								
10am-1pm	7,102	178	208	226	2	7,716		4,704	186	205	222	0	5,317		13,033								
1-4pm	6,736	181	358	192	0	7,467		7,296	252	172	258	0	7,978		15,445								
4-7pm	7,939	72	386	87	0	8,484		8,155	161	208	166	0	8,690		17,174								
7am-7pm	32,262	780	1,509	913	7	35,471		23,492	735	785	764	0	25,776		61,247								
6-10am	12,652	438	717	528	5	14,340		4,481	170	249	153	0	5,053		19,393								
3-7pm	10,348	128	562	156	0	11,194		10,743	224	272	250	0	11,489		22,683								
7am-7pm	34,429	869	1,669	1,033	7	38,007		24,636	769	834	799	0	27,038		65,045								

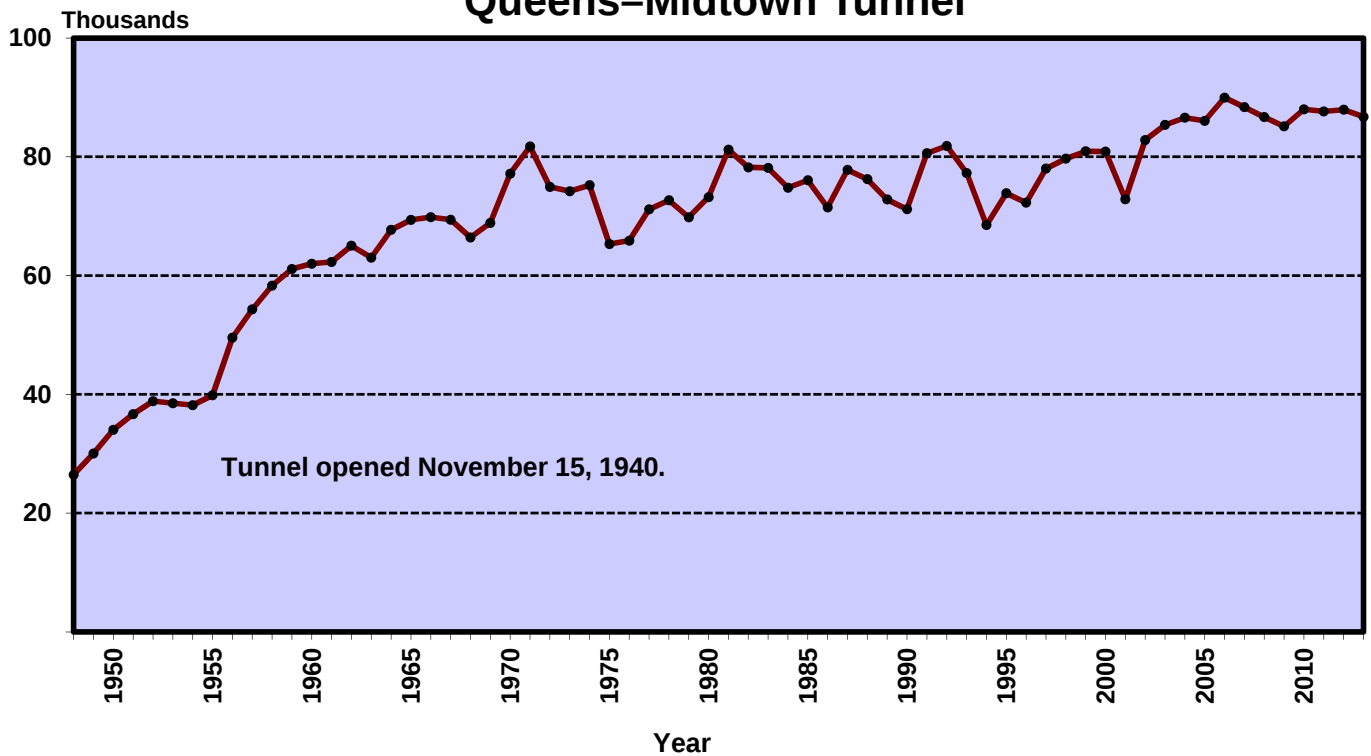
Based on May 2006 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Queens-Midtown Tunnel ~ 2013



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



Hourly Vehicular Volumes

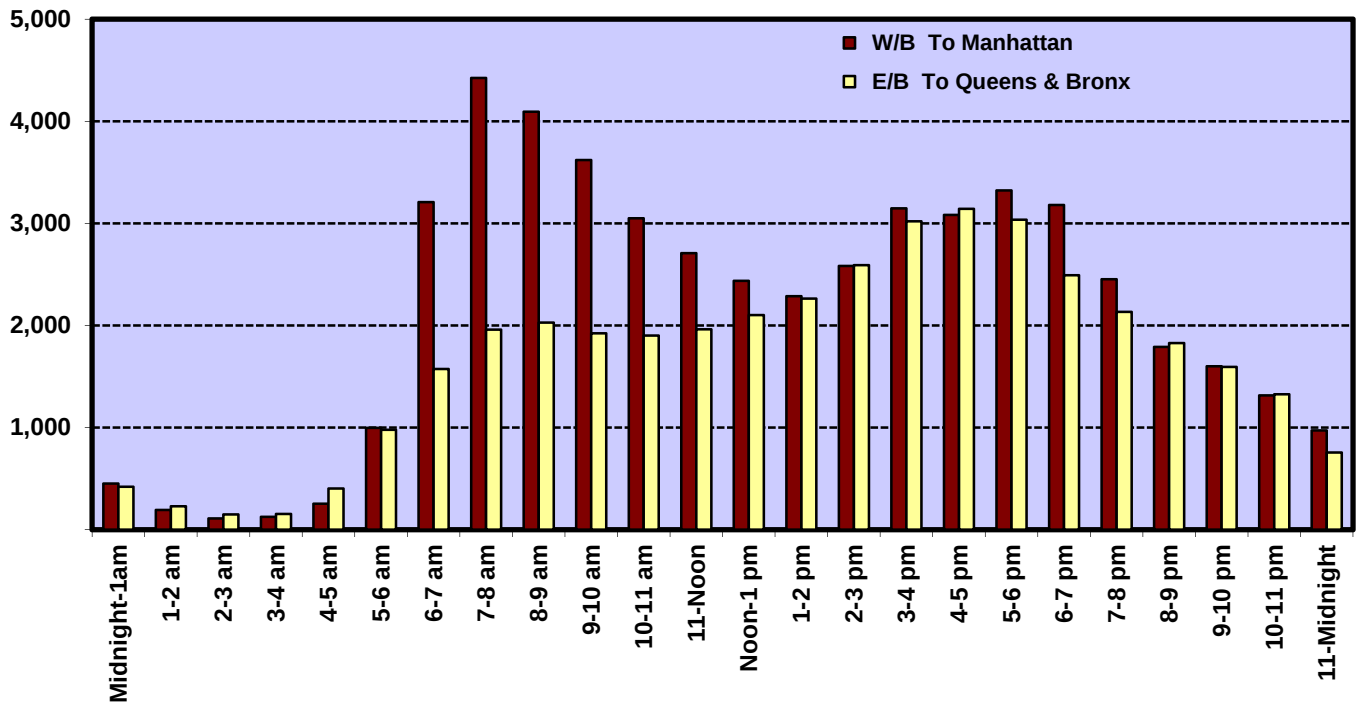
Robert F. Kennedy Memorial Bridge Manhattan Plaza - 2013

Westbound to Manhattan																			2-way Grand Totals
FHWA Classes ▶	Commercial Vans, Panel Trucks, Pickups, Taxis, Limos										Autos, Motorcycles SUVs, Family Vans								
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	
12-1am	358	16	9	4	26	8	421					299	120	9	4	14	6	452	873
1-2am	164	11	5	2	41	6	229					140	34	3	2	9	6	194	423
2-3am	110	8	3	1	20	8	150					76	9	8	1	10	7	111	261
3-4am	110	8	9	1	18	8	154					92	7	6	0	11	10	126	280
4-5am	285	62	7	3	31	15	403					196	20	9	2	13	14	254	657
5-6am	701	111	29	8	76	53	978					800	65	34	9	57	33	998	1,976
6-7am	1,101	185	51	28	159	50	1,574					2,567	183	168	56	140	94	3,208	4,782
7-8am	1,397	188	122	45	151	57	1,960					3,376	334	295	108	195	117	4,425	6,385
8-9am	1,530	171	137	32	135	23	2,028					2,959	352	325	74	257	127	4,094	6,122
9-10am	1,440	158	124	18	136	47	1,923					2,541	436	256	47	212	129	3,621	5,544
10-11am	1,355	160	125	22	186	54	1,902					1,991	520	198	39	177	125	3,050	4,952
11-12am	1,335	209	140	12	205	61	1,962					1,844	451	139	32	136	107	2,709	4,671
12-1pm	1,491	225	140	14	191	41	2,102					1,619	384	130	37	160	107	2,437	4,539
1-2pm	1,562	274	158	17	208	45	2,264					1,550	296	169	34	141	97	2,287	4,551
2-3pm	1,826	323	161	33	210	38	2,591					1,815	399	143	39	113	74	2,583	5,174
3-4pm	2,177	326	223	45	223	27	3,021					2,279	492	159	47	108	63	3,148	6,169
4-5pm	2,322	307	240	57	193	23	3,142	**				2,238	461	186	49	103	46	3,083	6,225
5-6pm	2,490	215	166	21	124	20	3,036					2,519	501	133	44	86	40	3,323	6,359
6-7pm	2,056	171	123	24	97	22	2,493					2,536	460	82	25	54	23	3,180	5,673
7-8pm	1,790	106	107	30	75	26	2,134					1,949	377	40	29	35	23	2,453	4,587
8-9pm	1,542	112	70	23	37	44	1,828					1,449	250	35	15	26	16	1,791	3,619
9-10pm	1,360	120	45	18	33	19	1,595					1,257	283	16	17	15	12	1,600	3,195
10-11pm	1,134	92	25	9	55	11	1,326					912	350	14	9	15	15	1,315	2,641
11-12pm	652	40	23	6	26	9	756					598	321	14	8	15	16	972	1,728
Totals	30,288	3,598	2,242	473	2,656	715	39,972					37,602	7,105	2,571	727	2,102	1,307	51,414	91,386
7-10am	4,367	517	383	95	422	127	5,911					8,876	1,122	876	229	664	373	12,140	18,051
10am-1pm	4,181	594	405	48	582	156	5,966					5,454	1,355	467	108	473	339	8,196	14,162
1-4pm	5,565	923	542	95	641	110	7,876					5,644	1,187	471	120	362	234	9,018	15,894
4-7pm	6,868	693	529	102	414	65	8,671					7,293	1,422	401	118	243	109	9,586	18,257
7am-7pm	20,981	2,727	1,859	340	2,059	458	28,424					27,267	5,086	2,215	575	1,742	1,055	37,940	66,364
6-10am	5,468	702	434	123	581	177	7,485					11,443	1,305	1,044	285	804	467	15,348	22,833
3-7pm	9,045	1,019	752	147	637	92	11,692					9,572	1,914	560	165	351	172	12,734	24,426
6am-7pm	22,082	2,912	1,910	368	2,218	508	29,998					29,834	5,269	2,383	631	1,882	1,149	41,148	71,146

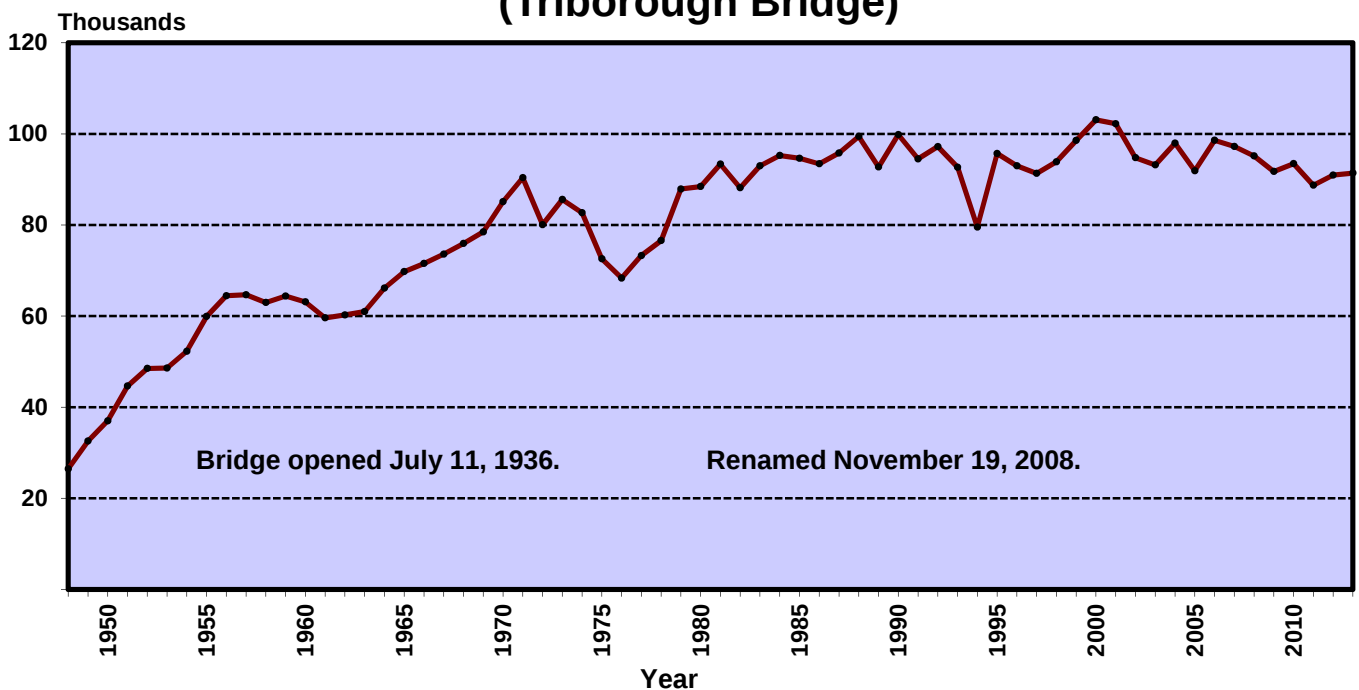
Based on October 2013 Classification Survey Data.

** Peak Volumes

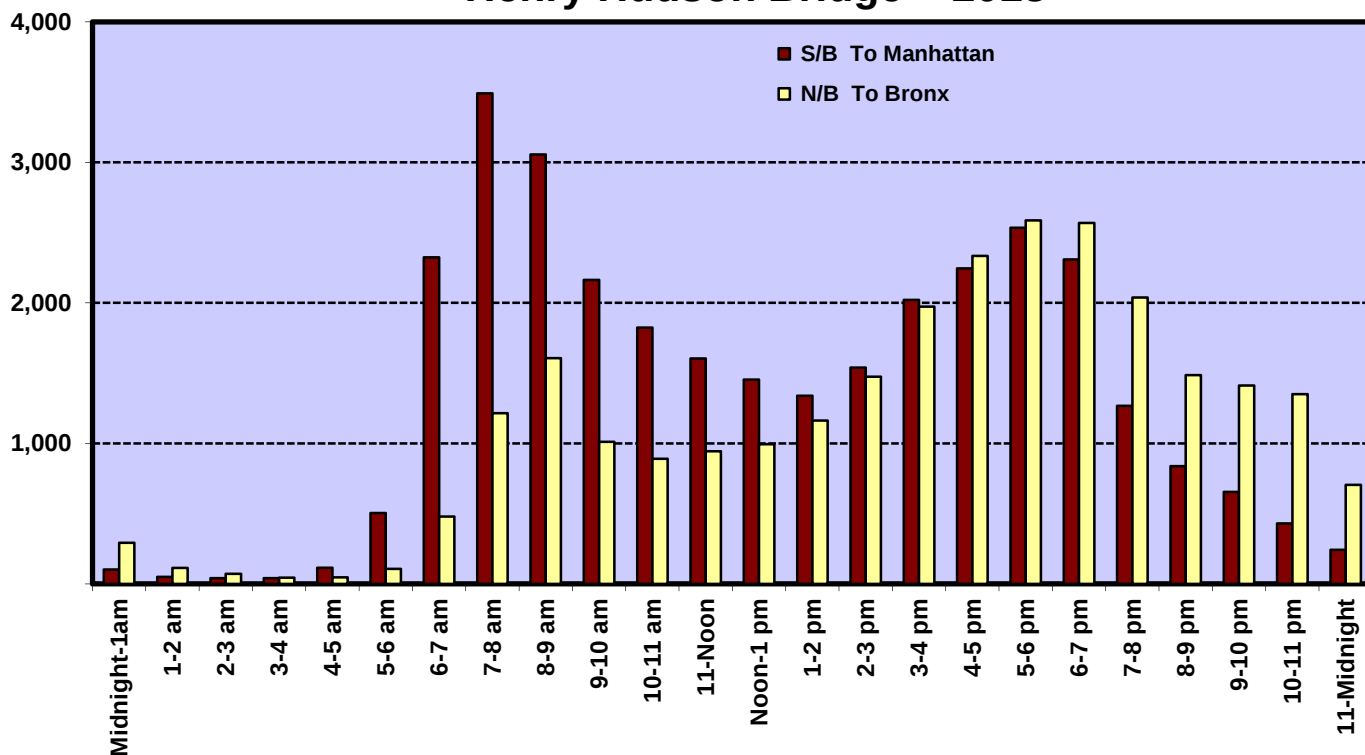
Hourly Vehicular Volumes Robert F. Kennedy Memorial Bridge, Manhattan Plaza ~ 2013 (Triborough Bridge)



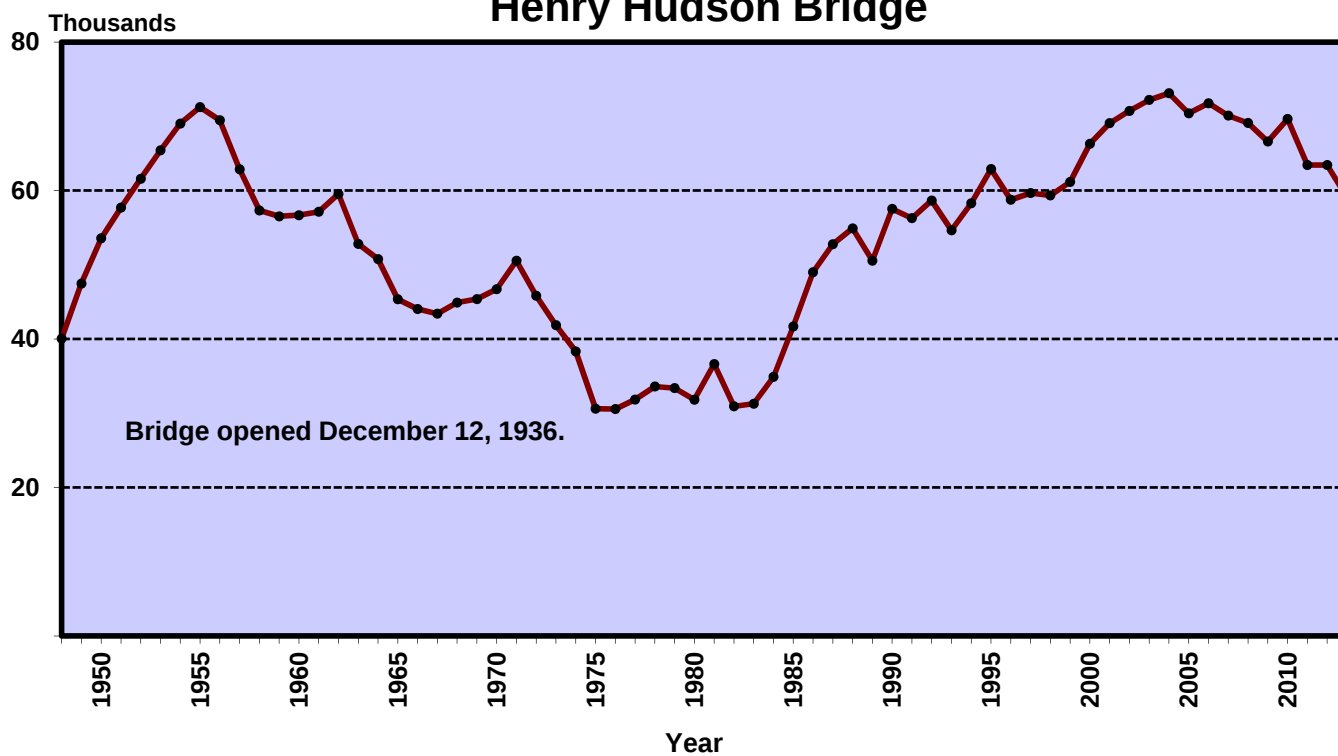
Average Daily Traffic Volumes ~ Total of Both Directions Robert F. Kennedy Memorial Bridge, Manhattan Plaza (Triborough Bridge)



Hourly Vehicular Volumes Henry Hudson Bridge ~ 2013



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



Hourly Vehicular Volumes

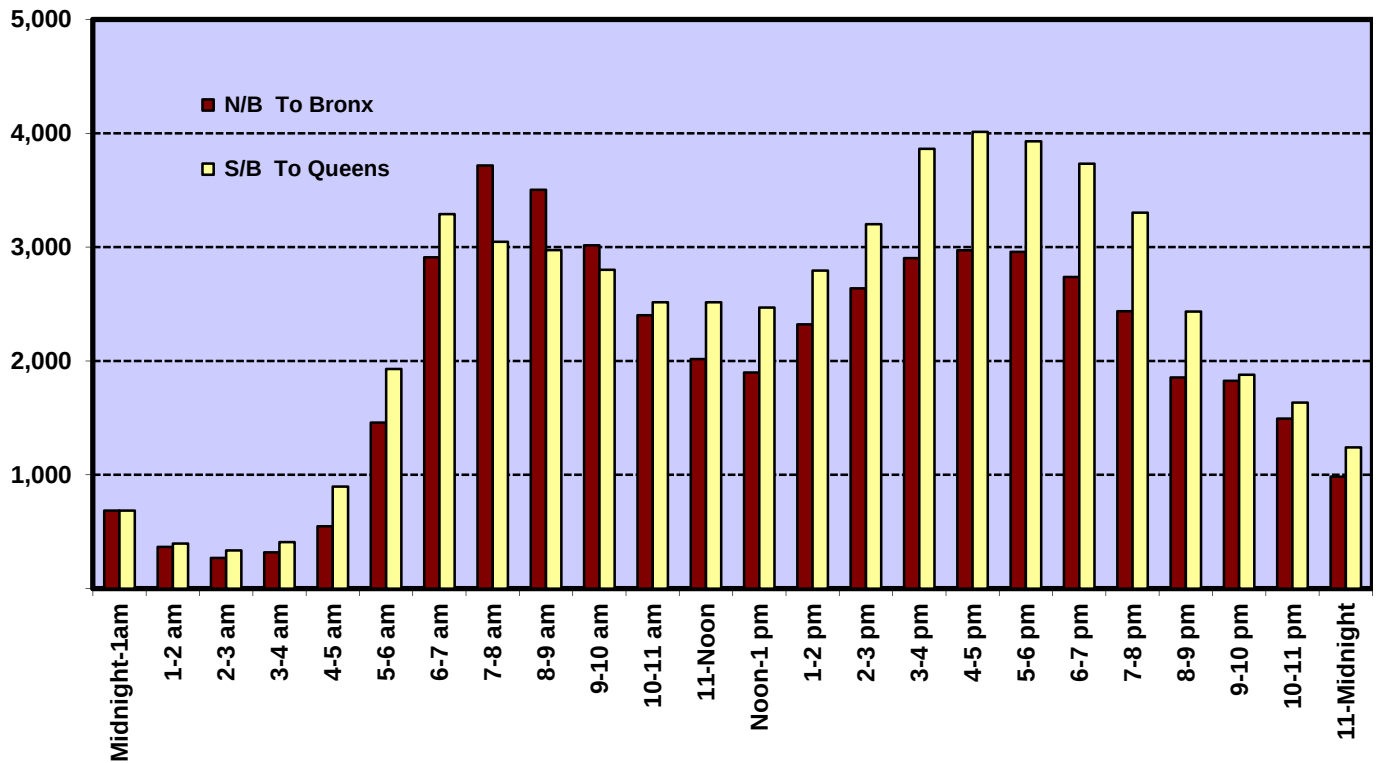
Bronx-Whitestone Bridge - 2013

Southbound to Queens													2-way Grand Totals
FHWA Classes ▶	Commercial Vans, Panel Trucks, Pickups,						Autos, SUVs, Family Vans						
	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	518	60	20	5	37	686	563	36	24	10	10	43	686
1-2am	250	32	19	3	22	367	312	19	12	5	11	37	396
2-3am	139	31	16	3	37	269	219	13	12	1	27	64	336
3-4am	165	27	17	3	56	318	268	21	21	4	29	66	409
4-5am	327	53	28	6	81	548	668	40	57	6	47	78	896
5-6am	1,046	132	68	29	106	1,458	1,522	68	120	26	65	128	1,929
6-7am	2,252	146	230	61	157	2,911	2,500	153	282	58	158	139	3,290
7-8am	2,965	175	273	75	149	3,717	2,438	128	228	42	103	107	3,046
8-9am	2,856	92	313	31	124	3,503	2,438	124	195	20	137	59	2,973
9-10am	2,360	102	274	31	165	3,016	2,212	122	188	32	147	99	2,800
10-11am	1,807	70	290	25	103	2,401	1,956	102	171	26	153	107	2,515
11-12am	1,512	57	187	19	126	2,016	1,906	107	220	13	167	102	2,515
12-1pm	1,406	72	177	28	104	1,898	1,945	96	209	11	126	82	2,469
1-2pm	1,783	75	193	25	134	2,321	2,164	110	249	24	166	81	2,794
2-3pm	2,018	114	279	35	111	2,637	2,528	161	229	43	180	60	3,201
3-4pm	2,283	128	259	52	106	2,903	3,036	196	326	85	152	68	3,863
4-5pm	2,359	151	232	63	86	2,972	3,334	157	283	48	125	65	4,012
5-6pm	2,349	163	274	32	78	2,958	3,230	194	322	26	98	59	3,929
6-7pm	2,317	160	150	23	38	2,737	3,156	203	260	19	56	39	3,733
7-8pm	2,138	130	86	22	18	2,437	2,777	178	230	23	46	48	3,302
8-9pm	1,605	104	53	16	36	1,855	2,087	128	126	15	21	57	2,434
9-10pm	1,578	115	49	16	26	1,825	1,625	87	75	17	32	43	1,879
10-11pm	1,254	100	52	10	27	1,493	1,404	98	61	16	15	40	1,634
11-12pm	788	93	27	9	27	984	1,047	68	50	15	10	50	1,240
Totals	38,075	2,382	3,566	622	1,954	48,230	45,335	2,609	3,950	585	2,081	1,721	56,281
7-10am	8,181	369	860	137	438	10,236	7,088	374	611	94	387	265	8,819
10am-1pm	4,725	199	654	72	333	6,315	5,807	305	600	50	446	291	7,499
1-4pm	6,084	317	731	112	351	7,861	7,728	467	804	152	498	209	9,858
4-7pm	7,025	474	656	118	202	8,667	9,720	554	865	93	279	163	11,674
7am-7pm	26,015	1,359	2,901	439	1,324	33,079	30,343	1,700	2,880	389	1,610	928	37,850
6-10am	10,433	515	1,090	198	595	13,147	9,588	527	893	152	545	404	12,109
3-7pm	9,308	602	915	170	308	11,570	12,756	750	1,191	178	431	231	15,537
6am-7pm	28,267	1,505	3,131	500	1,481	35,990	32,843	1,853	3,162	447	1,768	1,067	41,140

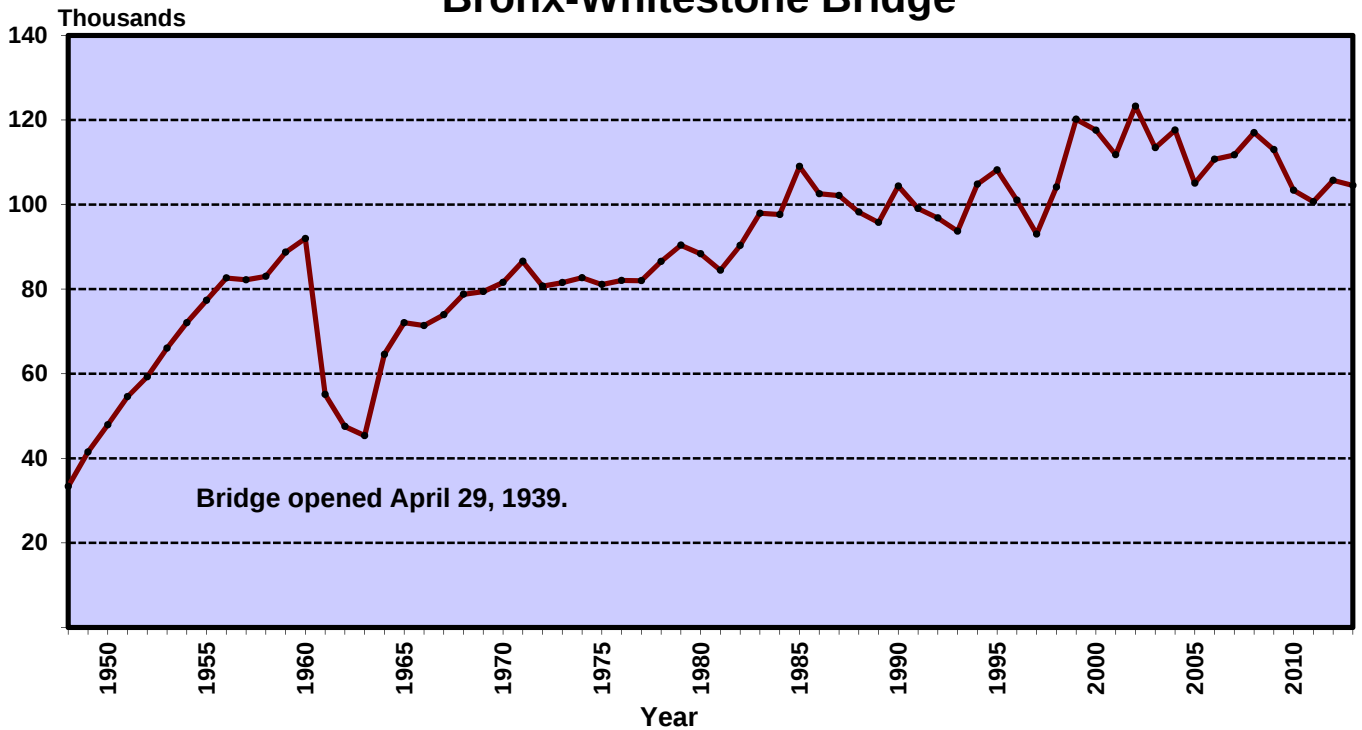
Based on November 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Bronx-Whitestone Bridge ~ 2013



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



Hourly Vehicular Volumes

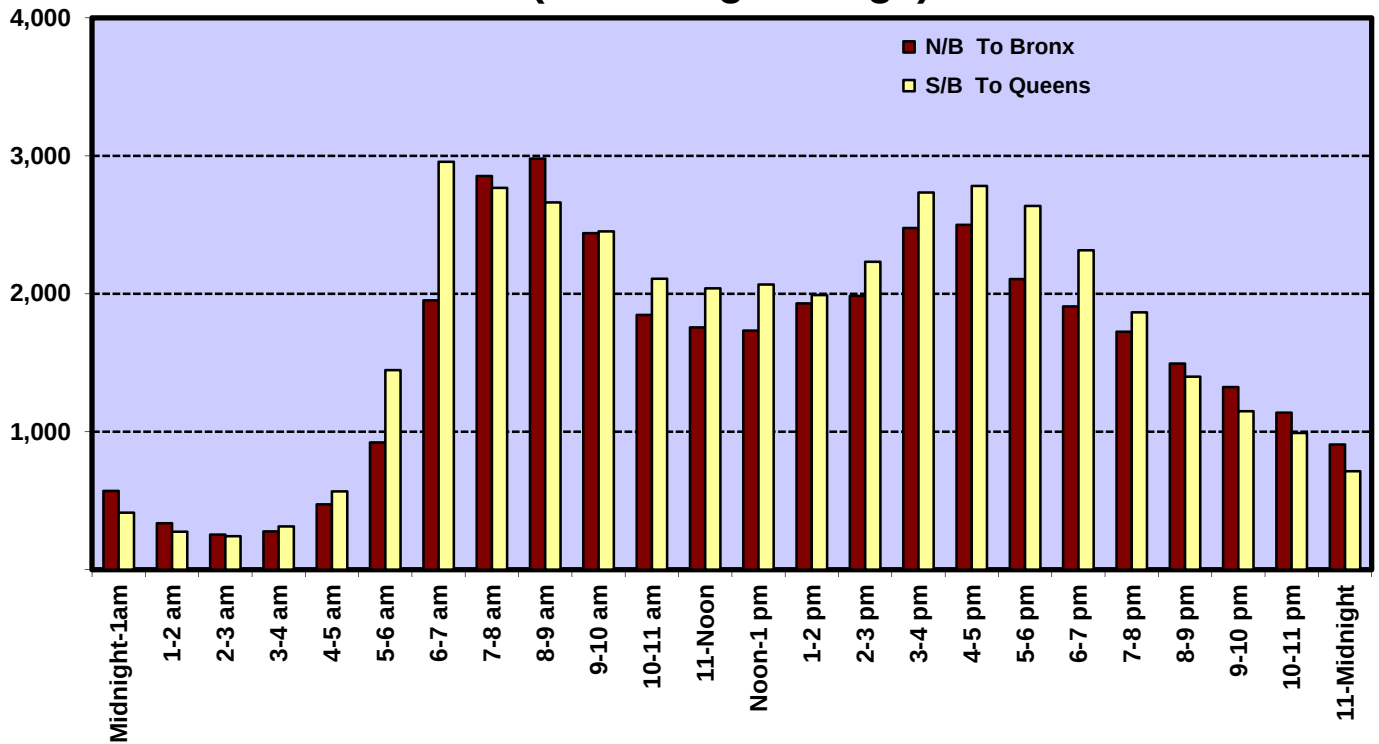
Robert F. Kennedy Memorial Bridge Bronx Plaza - 2013

Northbound to Bronx														Southbound to Queens														2-way Grand Totals																				
Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles														Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles																																		
Autos, SUVs, Family Vans				Taxis, Liveries, Limos		Buses		Single Unit Trucks		Multiple Unit Trucks		Total Vehicles		Autos, SUVs, Family Vans				Taxis, Liveries, Limos		Buses		Single Unit Trucks		Multiple Unit Trucks		Total Vehicles																						
FHWA Classes ▶																																																
1, 2, 3														2		2 & 3		4		5 - 7		8 - 13		1, 2, 3														2		2 & 3		4		5 - 7		8 - 13		
377														152		11		5		18		8		352														16		9		3		26		7		413
243														59		5		3		16		11		197														14		6		2		49		7		275
174														21		18		2		22		17		178														13		5		2		33		12		243
200														15		14		1		25		22		224														15		18		2		37		17		313
367														37		17		4		24		25		400														88		10		4		44		21		567
738														60		31		9		53		31		1,035														165		43		12		113		79		1,447
1,562														111		102		34		85		58		2,069														347		95		52		299		94		2,956
2,178														215		190		69		126		75		1,972														266		173		63		214		80		2,768
2,153														257		236		54		187		93		2,008														225		180		42		177		30		2,662
1,711														294		172		32		143		87		1,837														201		158		23		173		60		2,452
1,205														315		120		24		107		76		1,501														178		139		25		206		60		2,109
1,196														292		90		21		88		69		1,386														217		146		13		213		64		2,039
1,151														273		93		27		113		76		1,468														221		138		13		187		40		2,067
1,308														250		143		28		119		82		1,374														241		139		15		182		39		1,990
1,396														306		110		30		86		57		1,572														278		139		29		181		33		2,232
1,793														387		125		37		85		49		1,970														295		202		41		202		24		2,734
1,814														374		151		40		84		37		2,057														272		212		51		170		20		2,782
1,597														317		84		28		55		25		2,162														187		145		18		108		17		2,637
1,522														276		49		15		32		14		1,909														158		115		22		90		21		2,315
1,371														265		28		20		25		16		1,564														92		94		27		66		22		1,865
1,209														209		29		12		22		13		1,180														86		54		18		28		33		1,399
1,040														234		13		14		12		10		979														87		32		13		24		14		1,149
789														303		12		8		13		13		847														69		19		7		41		8		991
559														299		13		7		14		15		615														38		22		6		25		8		714
Totals														27,653		1,856		524		1,554		979		30,856														3,769		2,293		503		2,888		810		41,119
7-10am														6,042		766		155		456		255		5,817														692		511		128		564		170		7,882
10am-1pm														3,552		880		72		308		221		4,355														616		423		51		606		164		6,215
1-4pm														4,497		943		95		290		188		4,916														814		480		85		565		96		6,956
4-7pm														4,933		967		83		171		76		6,128														617		472		91		368		58		7,734
7am-7pm														19,024		3,556		405		1,225		740		21,216														2,739		1,886		355		2,103		488		28,787
6-10am														7,604		877		189		541		313		7,886														1,039		606		180		863		264		10,838
3-7pm														6,726		1,354		120		256		125		8,098														912		674		132		570		82		10,468
6am-7pm														20,586		3,667		439		1,310		798		23,285														3,086		1,981		407		2,402		582		31,743

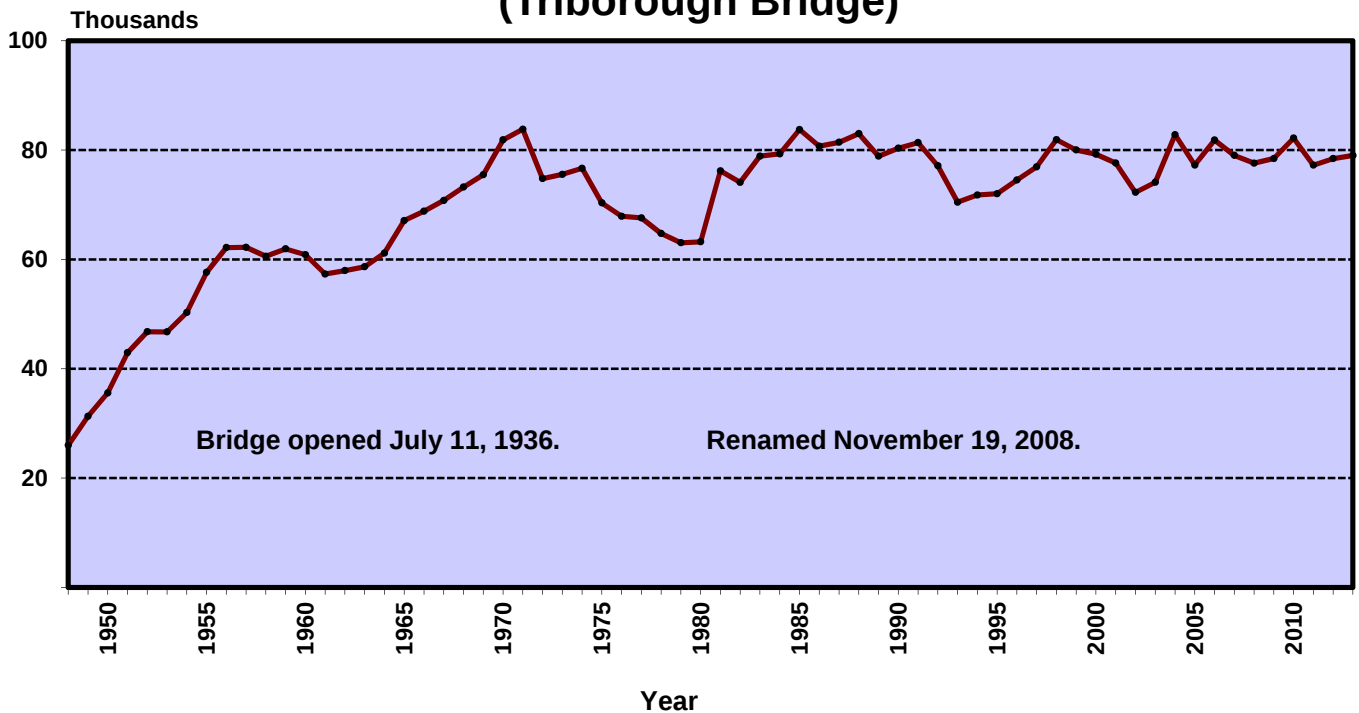
Based on October 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Robert F. Kennedy Memorial Bridge, Bronx Plaza ~ 2013 (Triborough Bridge)



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



Hourly Vehicular Volumes

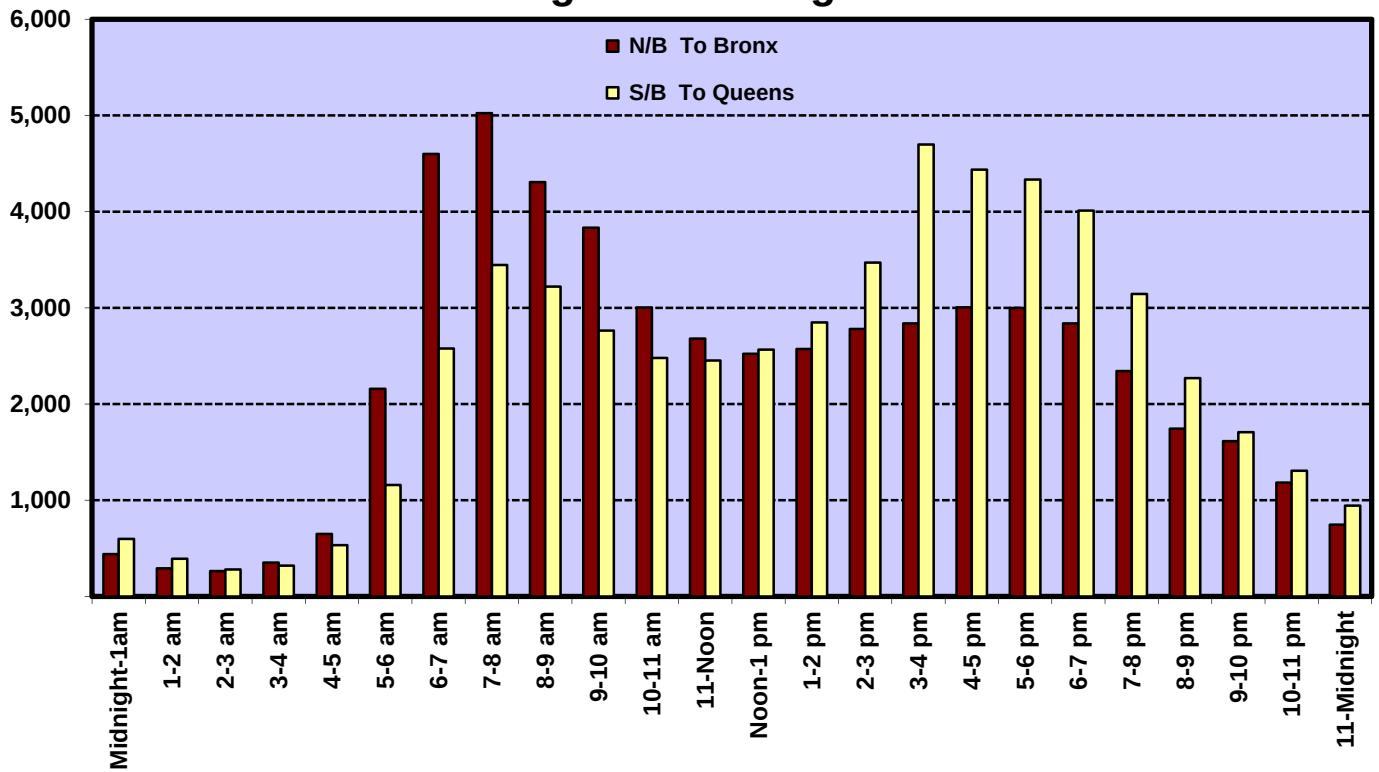
Throgs Neck Bridge - 2013

Northbound to Bronx										Southbound to Queens										
FHWA Classes ▲	Commercial Vans, Panel Trucks, Pickups,					Autos, Motorcycles					Commercial Vans, Panel Trucks, Pickups,					Autos, Motorcycles				
	Taxi, Liveries, Limos		Police, Fleet Vehicles		Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles	Taxi, Liveries, Limos		Police, Fleet Vehicles		Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles				
	2	1, 2, 3	2 & 3	4					5 - 7	8 - 13	2	2 & 3					4	5 - 7	8 - 13	
12-1am	274	44	24	0	25	73	440			453	35	5	1	10	95	599	1,039			
1-2am	155	19	23	0	19	76	292			242	22	9	1	27	91	392	684			
2-3am	111	22	19	0	19	93	264			143	12	10	0	28	87	280	544			
3-4am	151	24	27	0	48	102	352			149	18	11	1	31	111	321	673			
4-5am	351	38	55	1	58	147	650			228	20	13	0	74	199	534	1,184			
5-6am	1,603	83	142	2	132	197	2,159			608	31	40	5	156	319	1,159	3,318			
6-7am	3,695	106	361	16	220	202	4,600			1,806	43	154	13	210	352	2,578	7,178			
7-8am	4,283	40	335	44	167	155	5,024	**		2,819	27	177	28	194	201	3,446	8,470			
8-9am	3,561	52	272	34	169	220	4,308			2,645	48	156	26	169	177	3,221	7,529			
9-10am	3,114	40	227	43	154	256	3,834			2,143	30	169	17	185	220	2,764	6,598			
10-11am	2,178	35	209	17	180	385	3,004			1,828	17	174	25	169	266	2,479	5,483			
11-12am	2,002	30	139	9	165	335	2,680			1,828	13	159	7	179	266	2,452	5,132			
12-1pm	1,870	31	149	19	159	295	2,523			1,907	23	236	14	194	192	2,566	5,089			
1-2pm	1,871	46	166	23	175	292	2,573			2,131	17	289	44	189	178	2,848	5,421			
2-3pm	2,132	52	154	13	176	253	2,780			2,787	26	284	25	186	162	3,470	6,250			
3-4pm	2,272	49	156	26	160	175	2,838			4,041	32	306	43	163	113	4,698	7,536			
4-5pm	2,505	82	143	18	120	137	3,005			3,885	27	279	17	137	92	4,437	7,442			
5-6pm	2,582	79	130	12	88	107	2,998			3,910	43	191	11	103	76	4,334	7,332			
6-7pm	2,461	64	121	7	67	118	2,838			3,628	47	154	10	91	81	4,011	6,849			
7-8pm	1,993	67	111	4	53	115	2,343			2,815	43	115	7	64	100	3,144	5,487			
8-9pm	1,467	54	82	3	34	104	1,744			2,036	32	71	5	33	92	2,269	4,013			
9-10pm	1,375	50	47	0	23	120	1,615			1,479	35	64	1	23	105	1,707	3,322			
10-11pm	945	39	40	3	17	139	1,183			1,174	37	48	2	16	29	1,306	2,489			
11-12pm	600	32	28	0	12	75	747			790	22	22	2	11	97	944	1,691			
Totals	43,551	1,178	3,160	294	2,440	4,171	54,794			45,475	700	3,136	305	2,642	3,701	55,959	110,753			
7-10am	10,958	132	834	121	490	631	13,166			7,607	105	502	71	548	598	9,431	22,597			
10am-1pm	6,050	96	497	45	504	1,015	8,207			5,563	53	569	46	542	724	7,497	15,704			
1-4pm	6,275	147	476	62	511	720	8,191			8,959	75	879	112	538	453	11,016	19,207			
4-7pm	7,548	225	394	37	275	362	8,841			11,423	117	624	38	331	249	12,782	21,623			
7am-7pm	30,831	600	2,201	265	1,780	2,728	38,405			33,552	350	2,574	267	1,959	2,024	40,726	79,131			
6-10am	14,653	238	1,195	137	710	833	17,766			9,413	148	656	84	758	950	12,009	29,775			
3-7pm	9,820	274	550	63	435	537	11,679			15,464	149	930	81	494	362	17,480	29,159			
6am-7pm	34,526	706	2,562	281	2,000	2,930	43,005			35,358	393	2,728	280	2,169	2,376	43,304	86,309			

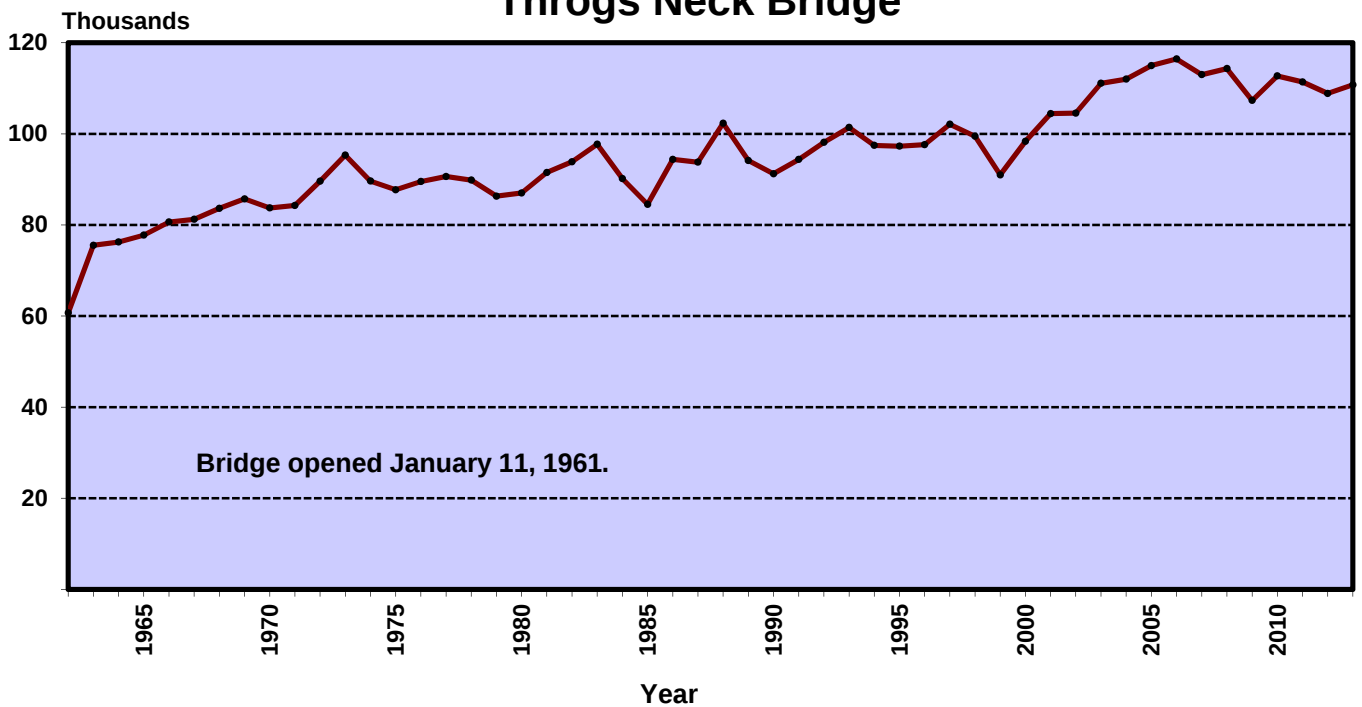
Based on November 2013 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Throgs Neck Bridge ~ 2013



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



Hourly Vehicular Volumes

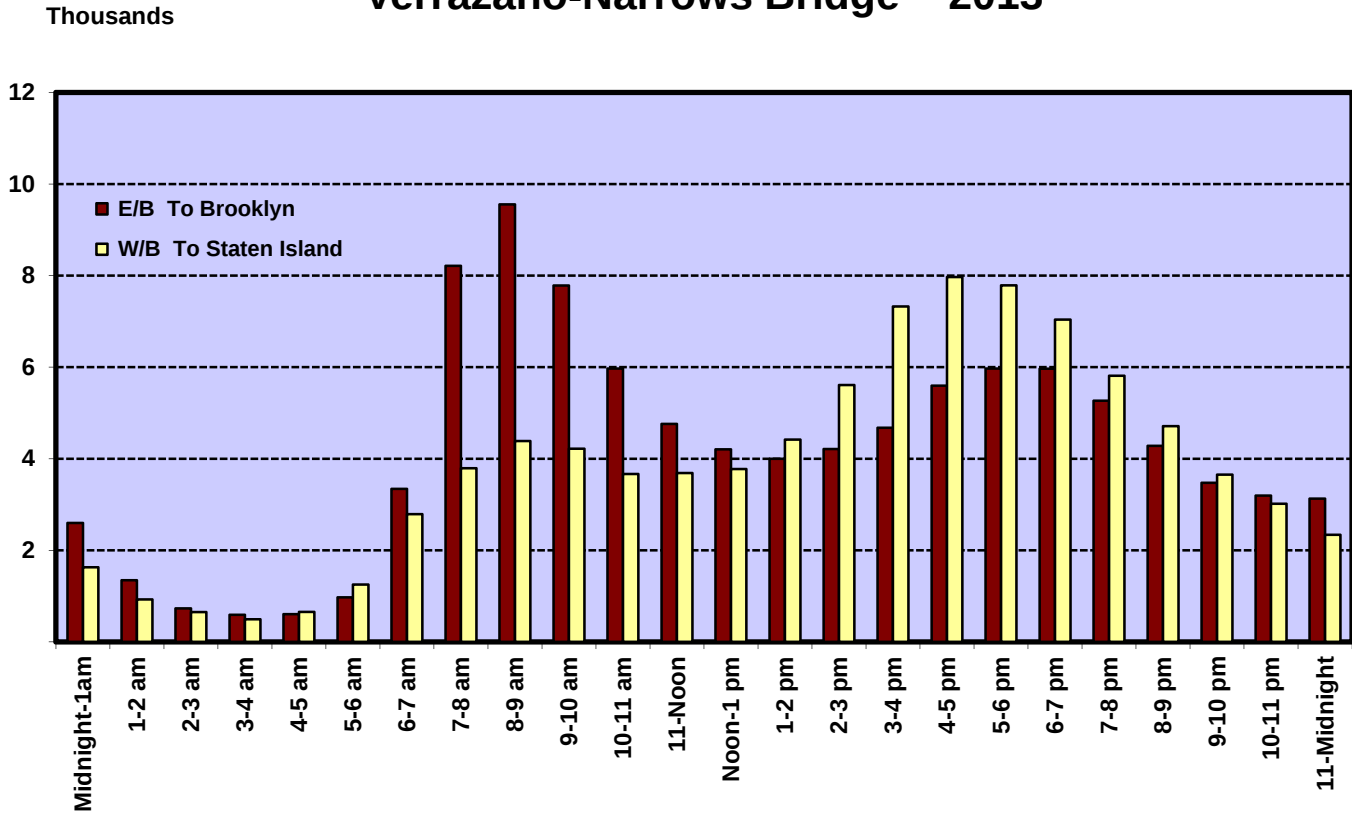
Verrazano-Narrows Bridge - 2013

Westbound to Brooklyn													Westbound to Staten Island												
FHWA Classes ▶	Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles						Autos, SUVs, Family Vans						Commercial Vans, Panel Trucks, Pickups, Police, Fleet Vehicles						2-way Grand Totals						
	1, 2, 3	2	2 & 3	4	5 - 7	8 - 13	Total Vehicles	Motorcycles SUVs, Family Vans	Taxis, Limos	Police, Fleet Vehicles	Buses	Single Unit Trucks	Multiple Unit Trucks	Total Vehicles											
12-1am	2,247	49	26	31	55	190	2,598	1,496	31	26	12	28	35	1,628											
1-2am	1,040	32	9	25	53	188	1,347	822	30	12	13	16	33	926											
2-3am	462	15	14	10	55	176	732	539	20	11	8	38	34	650											
3-4am	426	10	6	4	41	105	592	385	12	11	19	45	21	493											
4-5am	467	8	5	5	35	84	604	515	9	15	14	49	51	653											
5-6am	831	48	6	11	24	52	972	1,024	17	23	33	105	50	1,252											
6-7am	2,952	87	88	56	68	92	3,343	2,331	17	77	105	145	113	2,788											
7-8am	7,294	85	322	211	133	168	8,213	3,258	19	147	127	153	88	3,792											
8-9am	8,302	132	404	193	270	255	9,556 **	3,810	16	154	141	163	104	4,388											
9-10am	6,722	62	239	128	320	313	7,784	3,542	27	171	161	196	120	4,217											
10-11am	5,198	77	246	85	203	160	5,969	3,014	14	143	84	220	192	3,667											
11-12am	4,022	28	167	58	219	266	4,760	3,072	21	147	49	214	183	3,686											
12-1pm	3,599	34	171	45	154	201	4,204	3,180	28	133	61	227	147	3,776											
1-2pm	3,471	40	122	65	166	133	3,997	3,891	30	120	58	190	130	4,419											
2-3pm	3,680	53	118	56	201	103	4,211	5,094	25	112	64	200	115	5,610											
3-4pm	4,083	47	130	117	185	116	4,678	6,729	21	172	73	211	120	7,326											
4-5pm	4,795	77	205	205	186	128	5,596	7,301	35	211	147	167	106	7,967											
5-6pm	5,345	78	94	148	172	131	5,968	7,321	35	93	167	102	68	7,786											
6-7pm	5,443	59	85	112	126	141	5,966	6,603	43	104	163	77	49	7,039											
7-8pm	4,803	42	79	62	85	196	5,267	5,461	29	84	118	59	61	5,812											
8-9pm	3,893	37	53	53	78	168	4,282	4,417	32	45	64	56	98	4,712											
9-10pm	3,135	28	27	51	61	171	3,473	3,410	26	40	60	48	69	3,653											
10-11pm	2,851	22	32	34	64	192	3,195	2,808	30	19	31	41	88	3,017											
11-12pm	2,708	25	42	48	58	248	3,129	2,108	20	21	32	50	109	2,340											
Totals	87,769	1,175	2,690	1,813	3,012	3,977	100,436	82,131	587	2,091	1,804	2,800	2,184	91,597											
7-10am	22,318	279	965	532	723	736	25,553	10,610	62	472	429	512	312	12,397											
10am-1pm	12,819	139	584	188	576	627	14,933	9,266	63	423	194	661	522	11,129											
1-4pm	11,234	140	370	238	552	352	12,886	15,714	76	404	195	601	365	17,355											
4-7pm	15,583	214	384	465	484	400	17,530	21,225	113	408	477	346	223	22,792											
7am-7pm	61,954	772	2,303	1,423	2,335	2,115	70,902	56,815	314	1,707	1,295	2,120	1,422	63,673											
6-10am	25,270	366	1,053	588	791	828	28,896	12,941	79	549	534	657	425	15,185											
3-7pm	19,666	261	514	582	669	516	22,208	27,954	134	580	550	557	343	30,118											
6am-7pm	64,906	859	2,391	1,479	2,403	2,207	74,245	59,146	331	1,784	1,400	2,265	1,535	66,461											
														140,706											

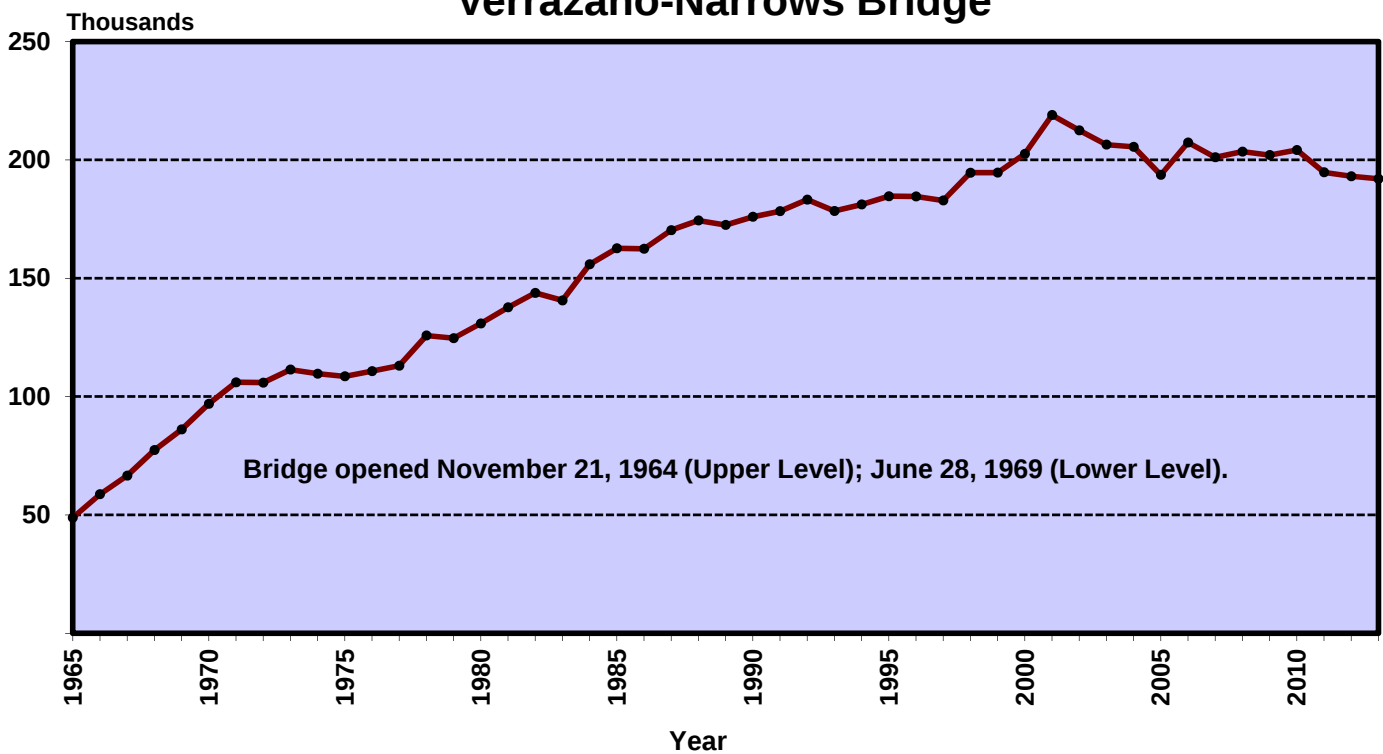
Based on November 2013 Classification Survey Data.

** Peak Volumes

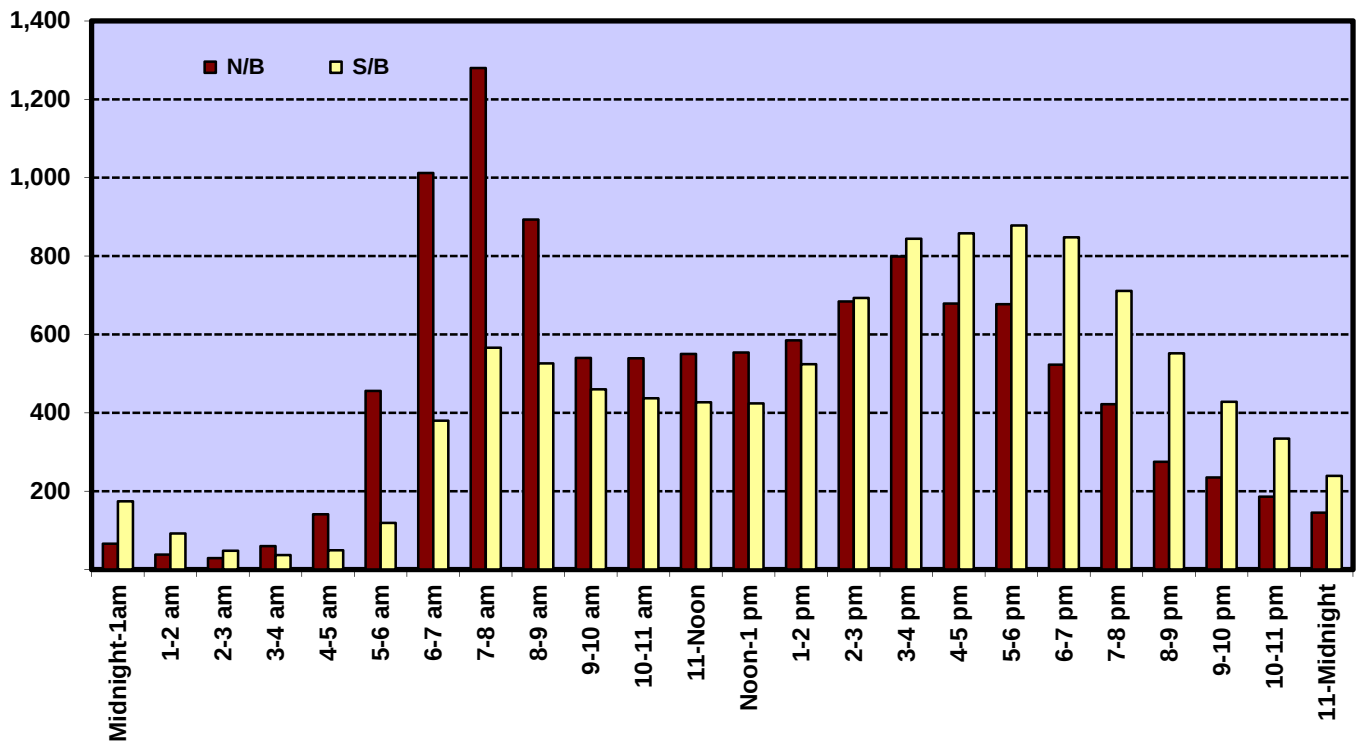
Hourly Vehicular Volumes Verrazano-Narrows Bridge ~ 2013



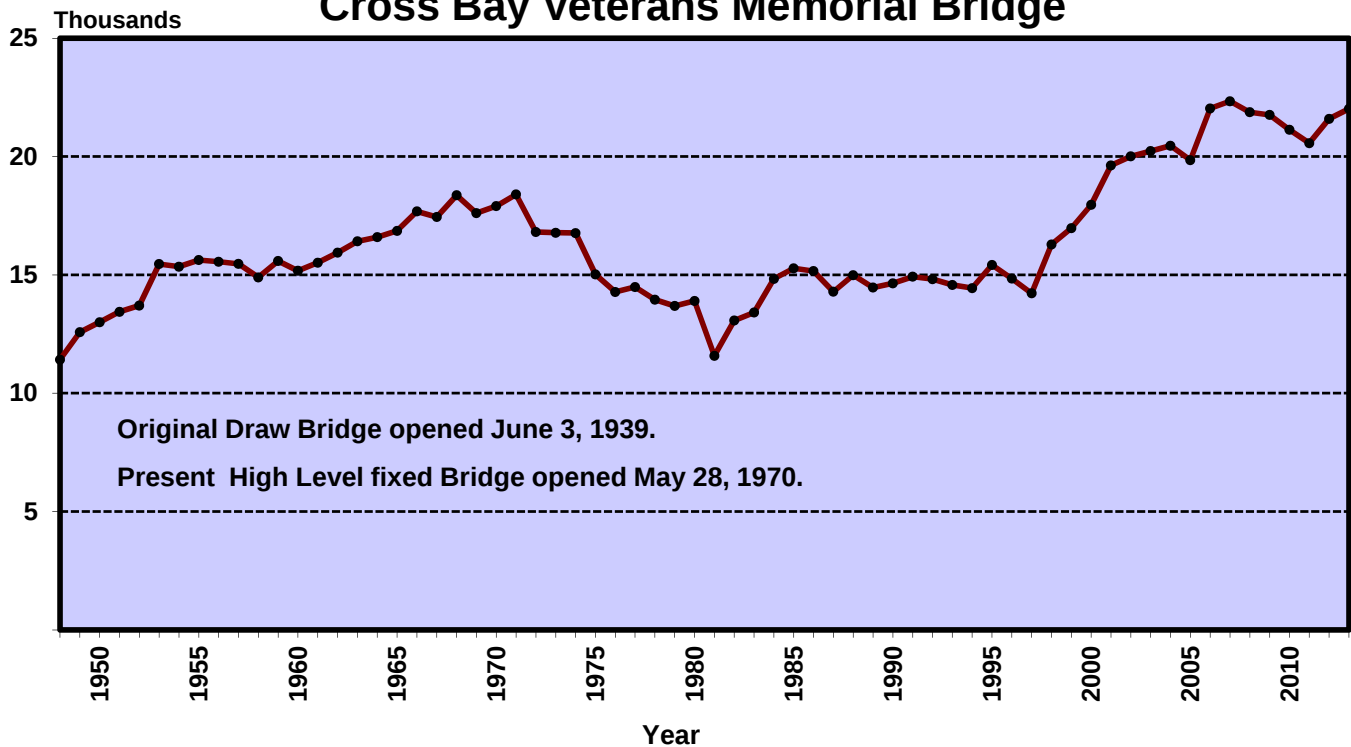
Average Daily Traffic Volumes ~ Total of Both Directions Verrazano-Narrows Bridge



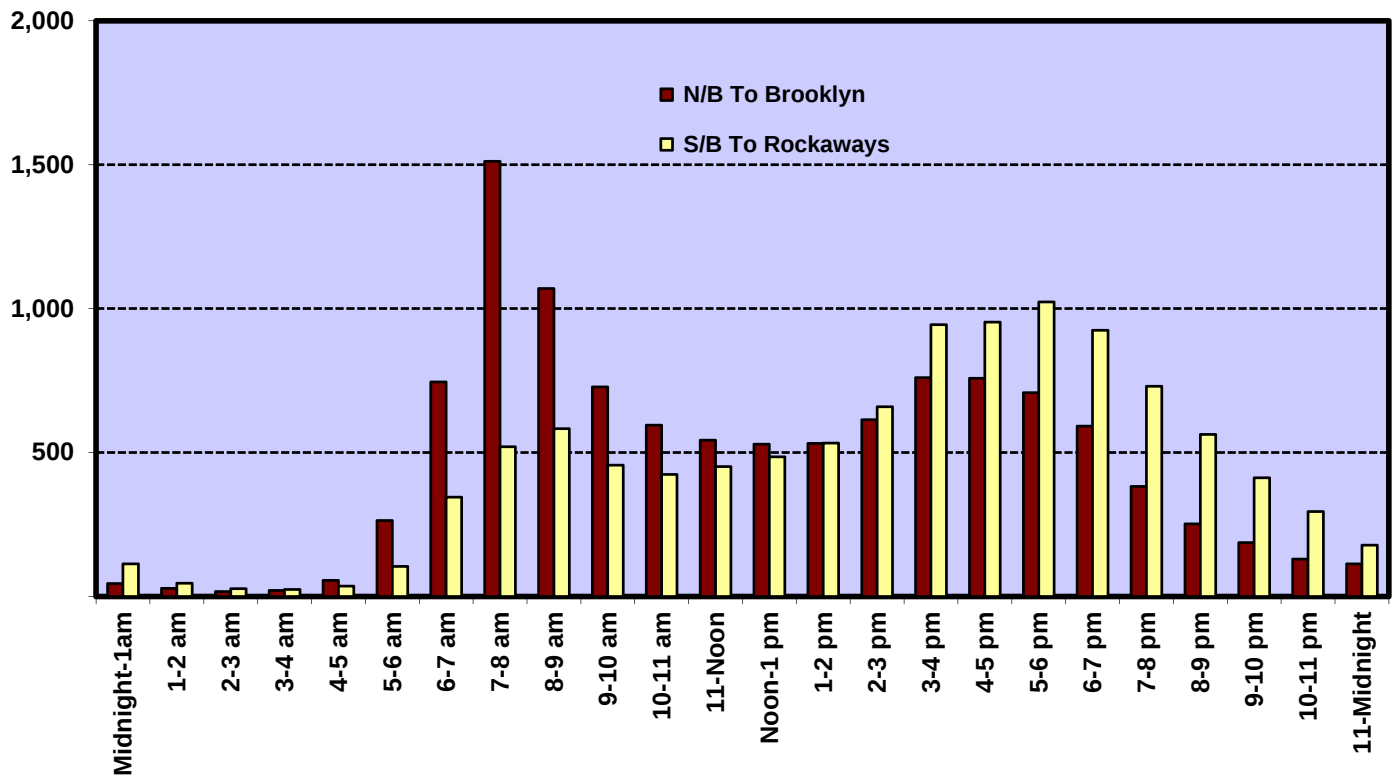
Hourly Vehicular Volumes Cross Bay Veterans Memorial Bridge ~ 2013



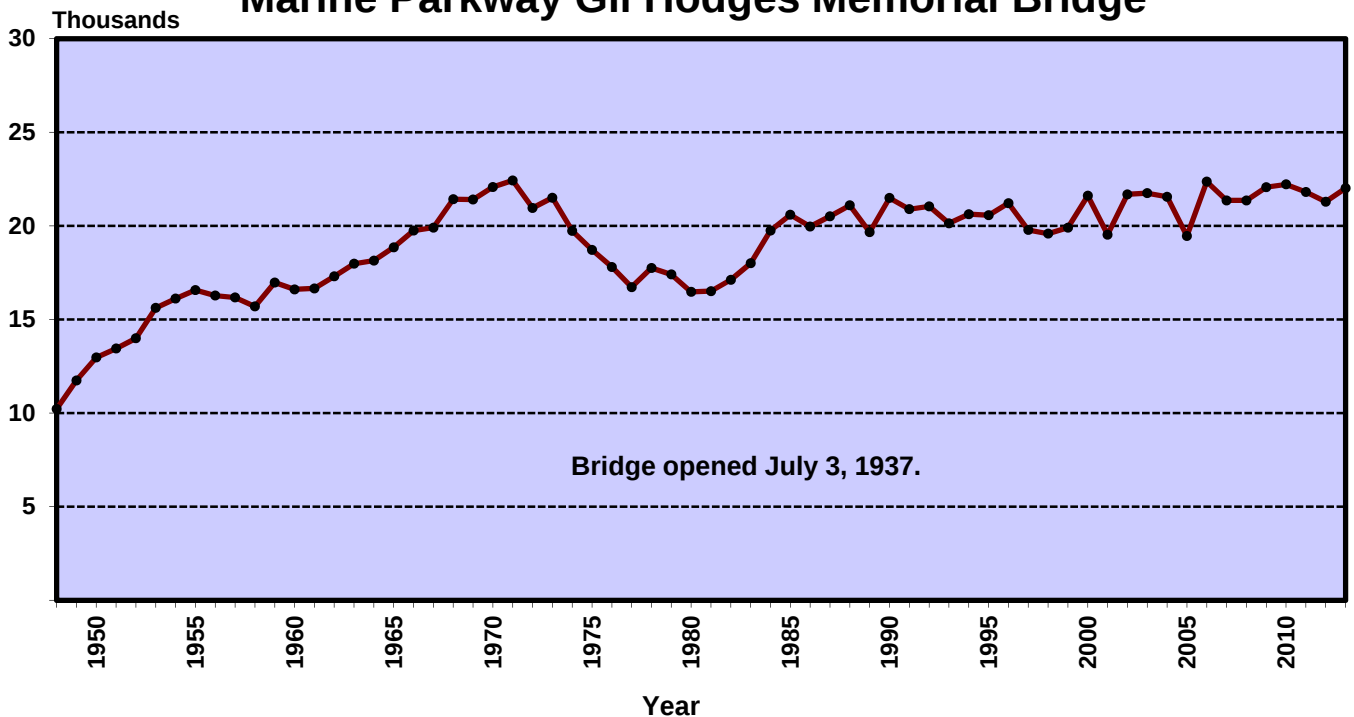
Average Daily Traffic Volumes ~ Total of Both Directions Cross Bay Veterans Memorial Bridge



Hourly Vehicular Volumes Marine Parkway Gil Hodges Memorial Bridge ~ 2013



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



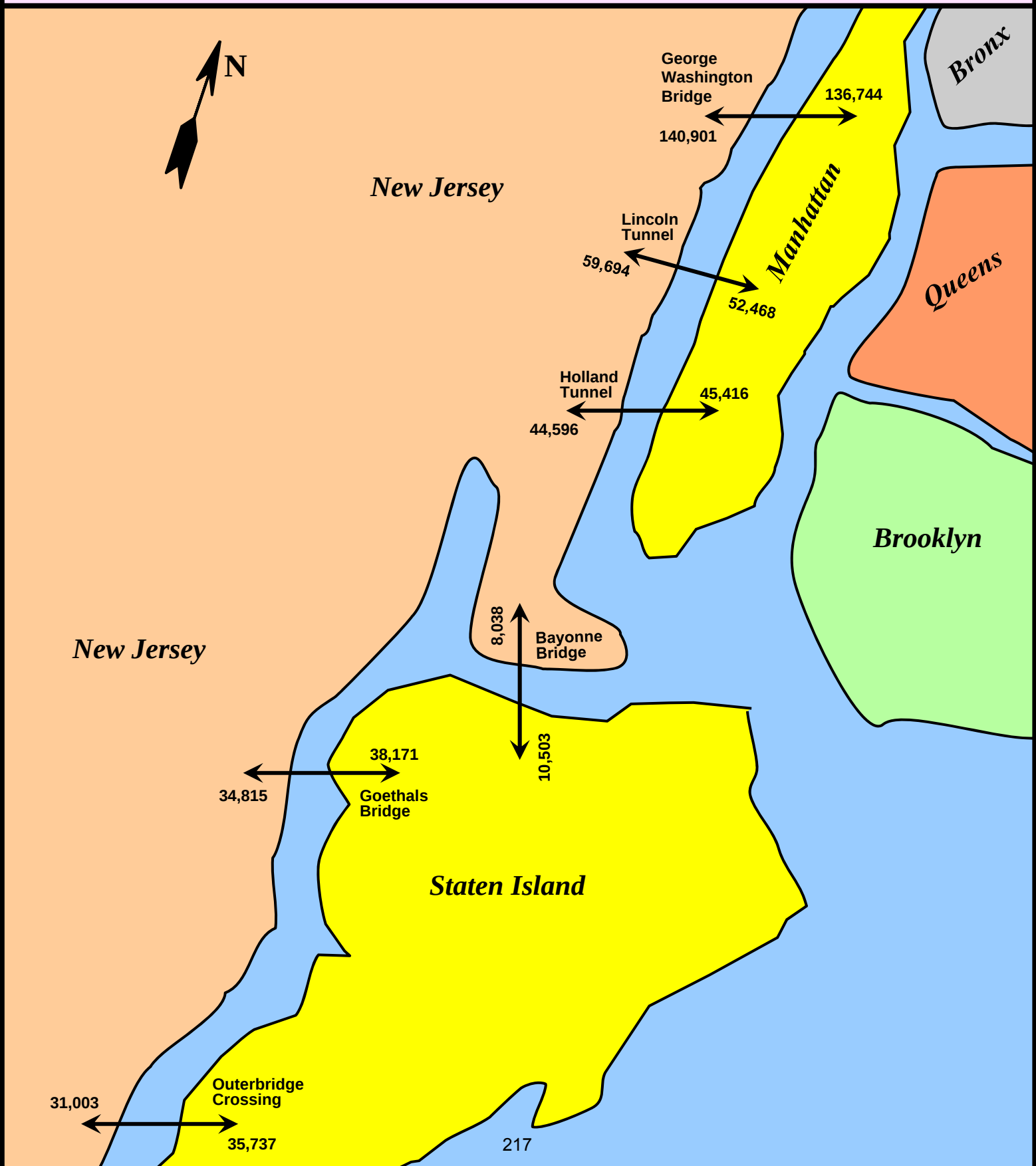
PANYNJ Facilities

Outerbridge Crossing



PANYNJ Facilities

2013 Daily Volumes



PANYNJ Manhattan - New Jersey Facilities

Average Daily Traffic Volumes

1948 - 2013

<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

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.

PANYNJ Staten Island - New Jersey Bridges
Average Daily Traffic Volumes
1948 - 2013

<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

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

PANYNJ toll increases May 1975, Jan 5/1975, 1/1984, 4/1987, 4/1991, 3/2001, 3/2008, 9/2011, 12/2012, September 2011, December 2012, & Dec 12/2013.

Hourly Vehicular Volumes

Port Authority of New York & New Jersey

2013

	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	1,803	2,474	693	996	762	1,403	3,258	4,873
1-2am	1,106	1,304	447	619	460	784	2,013	2,707
2-3am	955	995	314	441	373	469	1,642	1,905
3-4am	1,175	1,062	375	486	437	379	1,987	1,927
4-5am	2,075	1,444	681	760	788	514	3,544	2,718
5-6am	6,086	2,976	2,207	1,381	2,724	824	11,017	5,181
6-7am	11,120 **	5,031	3,040 **	2,142	5,069 **	1,728	19,229 **	8,901
7-8am	9,799	6,516	2,882	2,579	4,708	2,640	17,389	11,735
8-9am	8,826	7,076	2,752	2,367	4,285	2,434	15,863	11,877
9-10am	8,359	6,425	2,661	2,016	3,888	2,362	14,908	10,803
10-11am	7,461	5,541	2,510	1,836	3,254	1,823	13,225	9,200
11-12am	6,615	5,805	2,068	1,943	2,732	2,174	11,415	9,922
12-1pm	6,293	6,087	1,943	1,998	2,485	2,388	10,721	10,473
1-2pm	6,209	6,377	1,962	2,264	2,354	2,905	10,525	11,546
2-3pm	6,595	8,072	2,134	2,618	2,460	3,418	11,189	14,108
3-4pm	7,216	10,148	2,374	2,646	2,457	4,634	12,047	17,428
4-5pm	7,857	10,737 **	2,617	2,689 **	1,755	4,728 **	12,229	18,154 **
5-6pm	8,290	10,718	2,757	2,171	1,418	4,584	12,465	17,473
6-7pm	7,861	10,104	2,655	2,237	1,706	4,666	12,222	17,007
7-8pm	6,328	9,634	2,269	2,272	2,126	3,570	10,723	15,476
8-9pm	4,846	7,746	1,745	2,212	1,820	3,197	8,411	13,155
9-10pm	4,014	5,897	1,570	2,282	1,689	3,203	7,273	11,382
10-11pm	3,298	4,588	1,578	2,013	1,475	3,056	6,351	9,657
11-12pm	2,557	4,144	1,182	1,628	1,243	1,811	4,982	7,583
Totals	136,744	140,901	45,416	44,596	52,468	59,694	234,628	245,191
7-10am	26,984	20,017	8,295	6,962	12,881	7,436	48,160	34,415
10am-1pm	20,369	17,433	6,521	5,777	8,471	6,385	35,361	29,595
1-4pm	20,020	24,597	6,470	7,528	7,271	10,957	33,761	43,082
4-7pm	24,008	31,559	8,029	7,097	4,879	13,978	36,916	52,634
7am-7pm	91,381	93,606	29,315	27,364	33,502	38,756	154,198	159,726
6-10am	38,104	25,048	11,335	9,104	17,950	9,164	67,389	43,316
3-7pm	31,224	41,707	10,403	9,743	7,336	18,612	48,963	70,062
6am-7pm	102,501	98,637	32,355	29,506	38,571	40,484	173,427	168,627

** 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

2013

	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	143	57	721	389	352	289	1,216	735
1-2am	87	34	430	233	219	180	736	447
2-3am	70	25	342	213	178	120	590	358
3-4am	73	43	375	275	229	126	677	444
4-5am	94	106	613	452	495	199	1,202	757
5-6am	161	273	1,297	982	1,703	462	3,161	1,717
6-7am	424	607	1,937	1,567	2,652 **	1,200	5,013	3,374
7-8am	494	918	1,780	2,647 **	2,456	1,958	4,730	5,523
8-9am	520	1,016 **	1,845	2,637	2,154	2,374	4,519	6,027 **
9-10am	433	487	1,895	1,973	2,068	1,878	4,396	4,338
10-11am	372	401	1,658	1,904	1,706	1,694	3,736	3,999
11-12am	374	353	1,582	1,891	1,592	1,541	3,548	3,785
12-1pm	407	339	1,668	1,818	1,606	1,410	3,681	3,567
1-2pm	461	400	1,791	1,789	1,678	1,585	3,930	3,774
2-3pm	597	382	1,944	1,884	1,837	1,924	4,378	4,190
3-4pm	733	390	2,260	2,127	1,951	2,432 **	4,944	4,949
4-5pm	916	388	2,582	2,394	2,268	2,320	5,766	5,102
5-6pm	1,197 **	424	3,001 **	2,282	2,614	2,340	6,812 **	5,046
6-7pm	1,034	370	2,830	1,782	2,314	2,085	6,178	4,237
7-8pm	653	319	2,264	1,839	1,834	1,681	4,751	3,839
8-9pm	423	226	1,651	1,273	1,493	1,278	3,567	2,777
9-10pm	343	189	1,465	1,006	972	825	2,780	2,020
10-11pm	260	167	1,217	785	806	637	2,283	1,589
11-12pm	234	124	1,023	673	560	465	1,817	1,262
Totals	10,503	8,038	38,171	34,815	35,737	31,003	84,411	73,856
7-10am	1,447	2,421	5,520	7,257	6,678	6,210	13,645	15,888
10am-1pm	1,153	1,093	4,908	5,613	4,904	4,645	10,965	11,351
1-4pm	1,791	1,172	5,995	5,800	5,466	5,941	13,252	12,913
4-7pm	3,147	1,182	8,413	6,458	7,196	6,745	18,756	14,385
7am-7pm	7,538	5,868	24,836	25,128	24,244	23,541	56,618	54,537
6-10am	1,871	3,028	7,457	8,824	9,330	7,410	18,658	19,262
3-7pm	3,880	1,572	10,673	8,585	9,147	9,177	23,700	19,334
6am-7pm	7,962	6,475	26,773	26,695	26,896	24,741	61,631	57,911

** 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

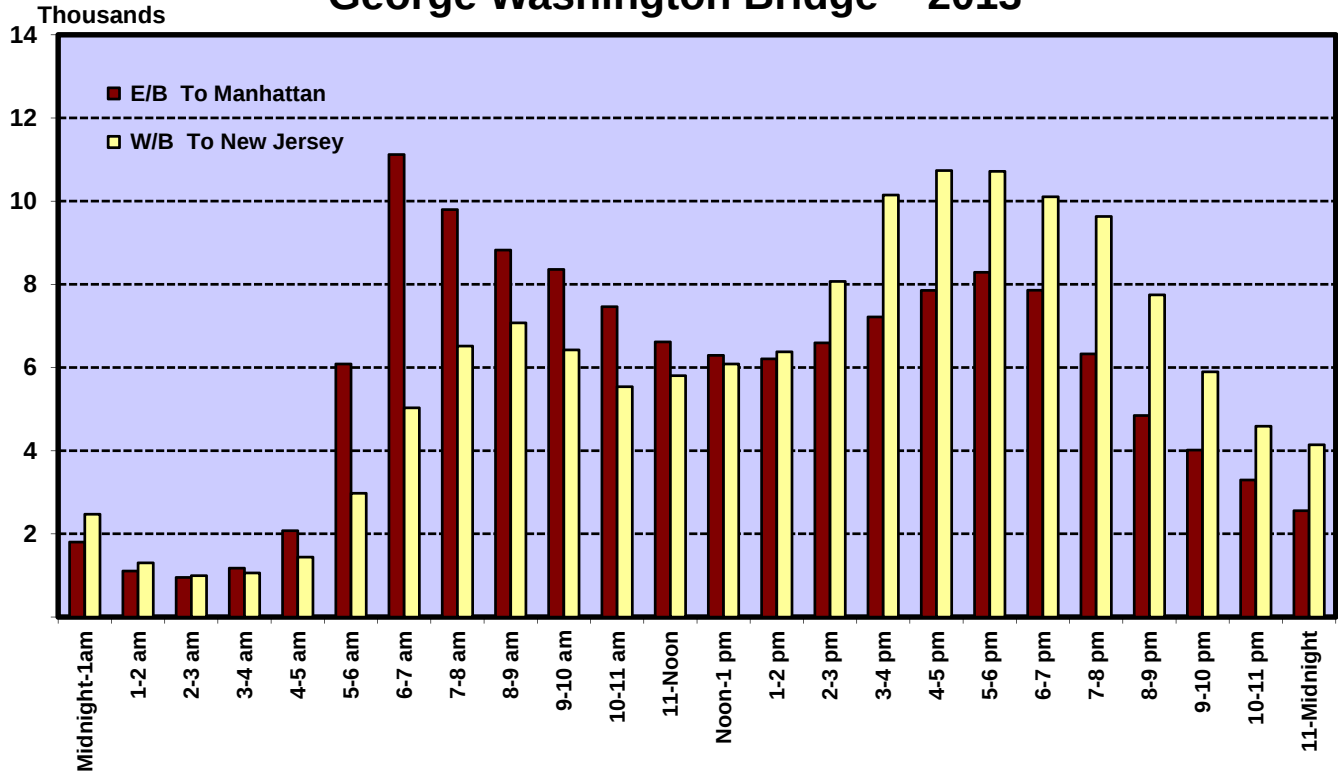
George Washington Bridge - 2013

	Eastbound to Manhattan					Westbound to New Jersey					2-Way Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	1,512	14	51	226	1,803	2,135	11	38	290	2,474	4,277
1-2am	788	4	60	254	1,106	1,065	8	44	187	1,304	2,410
2-3am	591	4	66	294	955	704	2	38	251	995	1,950
3-4am	685	4	101	385	1,175	714	0	81	267	1,062	2,237
4-5am	1,349	11	171	544	2,075	965	1	119	359	1,444	3,519
5-6am	5,056	28	310	692	6,086	2,109	22	259	586	2,976	9,062
6-7am	9,988	74	470	588	11,120 **	4,206	76	262	487	5,031	16,151
7-8am	9,021	101	329	348	9,799	5,726	90	286	414	6,516	16,315
8-9am	8,022	84	358	362	8,826	6,256	104	326	390	7,076	15,902
9-10am	7,510	78	348	423	8,359	5,380	85	371	589	6,425	14,784
10-11am	6,648	62	316	435	7,461	4,499	46	330	666	5,541	13,002
11-12am	5,897	56	280	382	6,615	4,687	48	335	735	5,805	12,420
12-1pm	5,607	58	276	352	6,293	4,819	63	397	808	6,087	12,380
1-2pm	5,561	64	265	319	6,209	5,288	64	368	657	6,377	12,586
2-3pm	5,956	90	261	288	6,595	7,110	71	348	543	8,072	14,667
3-4pm	6,637	105	219	255	7,216	9,266	63	355	464	10,148	17,364
4-5pm	7,321	104	207	225	7,857	9,928	77	306	426	10,737 **	18,594
5-6pm	7,832	100	153	205	8,290	10,122	77	237	282	10,718	19,008 **
6-7pm	7,455	84	115	207	7,861	9,528	76	182	318	10,104	17,965
7-8pm	5,927	73	95	233	6,328	9,007	61	180	386	9,634	15,962
8-9pm	4,475	55	80	236	4,846	7,279	45	98	324	7,746	12,592
9-10pm	3,701	38	64	211	4,014	5,506	28	61	302	5,897	9,911
10-11pm	3,043	21	42	192	3,298	4,392	27	34	135	4,588	7,886
11-12pm	2,304	20	36	197	2,557	3,925	20	42	157	4,144	6,701
Totals	122,886	1,332	4,673	7,853	136,744	124,616	1,165	5,097	10,023	140,901	277,645
7-10am	24,553	263	1,035	1,133	26,984	17,362	279	983	1,393	20,017	47,001
10am-1pm	18,152	176	872	1,169	20,369	14,005	157	1,062	2,209	17,433	37,802
1-4pm	18,154	259	745	862	20,020	21,664	198	1,071	1,664	24,597	44,617
4-7pm	22,608	288	475	637	24,008	29,578	230	725	1,026	31,559	55,567
7am-7pm	83,467	986	3,127	3,801	91,381	82,609	864	3,841	6,292	93,606	184,987
6-10am	34,541	337	1,505	1,721	38,104	21,568	355	1,245	1,880	25,048	63,152
3-7pm	29,245	393	694	892	31,224	38,844	293	1,080	1,490	41,707	72,931
6am-7pm	93,455	1,060	3,597	4,389	102,501	86,815	940	4,103	6,779	98,637	201,138

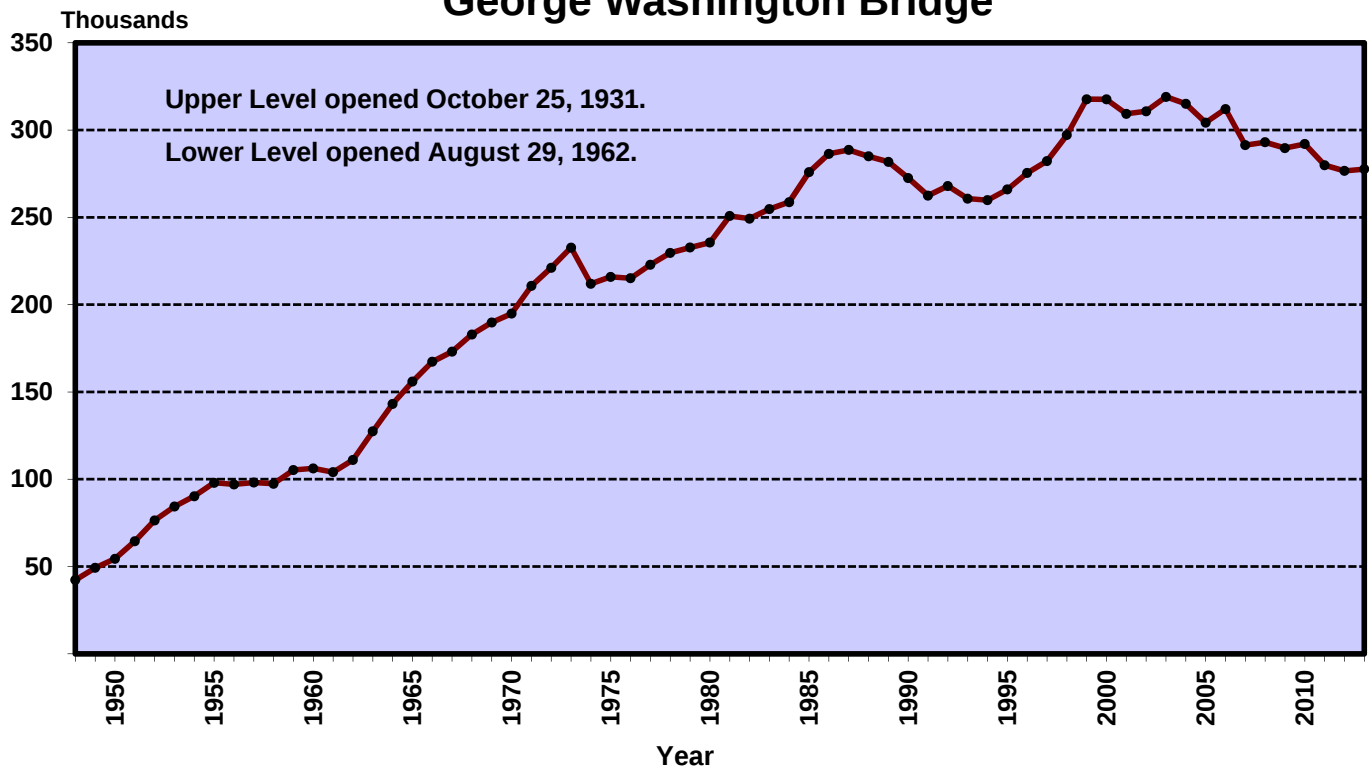
Classification based on October 2013 Data.

** Peak Volumes

Hourly Vehicular Volumes George Washington Bridge ~ 2013



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



Hourly Vehicular Volumes

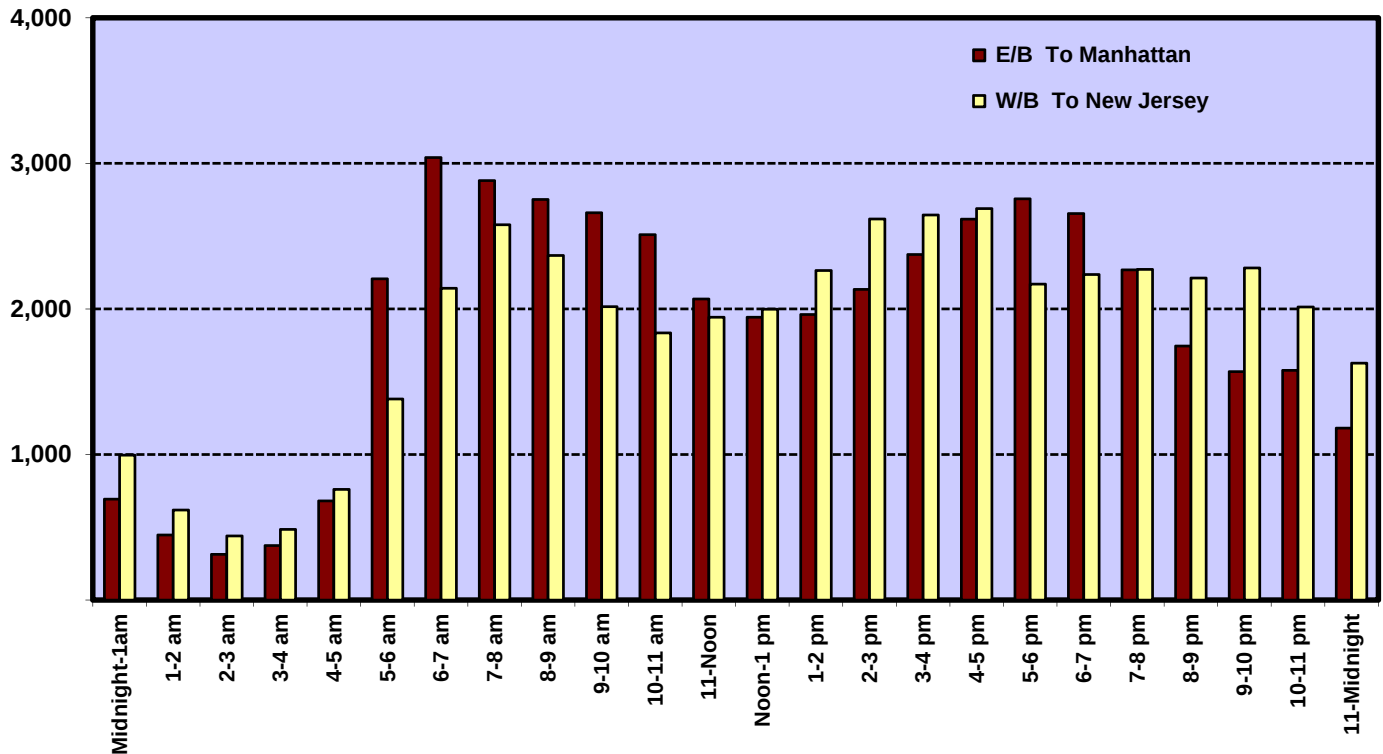
Holland Tunnel - 2013

	Eastbound to Manhattan					Westbound to New Jersey					2-Way Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	649	6	38	0	693	963	3	29	1	996	1,689
1-2am	416	5	26	0	447	596	2	20	1	619	1,066
2-3am	275	5	33	1	314	415	0	26	0	441	755
3-4am	301	5	68	1	375	444	1	40	1	486	861
4-5am	612	6	61	2	681	693	1	66	0	760	1,441
5-6am	2,063	21	120	3	2,207	1,308	6	67	0	1,381	3,588
6-7am	2,863	51	125	1	3,040 **	2,024	27	91	0	2,142	5,182
7-8am	2,695	57	128	2	2,882	2,458	19	101	1	2,579	5,461 **
8-9am	2,565	58	127	2	2,752	2,202	52	113	0	2,367	5,119
9-10am	2,497	48	115	1	2,661	1,822	46	148	0	2,016	4,677
10-11am	2,383	28	98	1	2,510	1,657	18	160	1	1,836	4,346
11-12am	1,972	17	78	1	2,068	1,725	14	204	0	1,943	4,011
12-1pm	1,856	17	69	1	1,943	1,814	10	174	0	1,998	3,941
1-2pm	1,877	20	64	1	1,962	2,100	18	146	0	2,264	4,226
2-3pm	2,047	24	62	1	2,134	2,455	12	151	0	2,618	4,752
3-4pm	2,257	54	62	1	2,374	2,480	25	141	0	2,646	5,020
4-5pm	2,472	95	49	1	2,617	2,516	39	134	0	2,689 **	5,306
5-6pm	2,648	72	37	0	2,757	2,022	63	86	0	2,171	4,928
6-7pm	2,573	52	29	1	2,655	2,145	39	53	0	2,237	4,892
7-8pm	2,217	27	24	1	2,269	2,184	18	70	0	2,272	4,541
8-9pm	1,691	12	41	1	1,745	2,169	19	24	0	2,212	3,957
9-10pm	1,527	12	31	0	1,570	2,236	18	28	0	2,282	3,852
10-11pm	1,541	11	26	0	1,578	1,975	15	23	0	2,013	3,591
11-12pm	1,154	6	21	1	1,182	1,568	8	52	0	1,628	2,810
Totals	43,151	709	1,532	24	45,416	41,971	473	2,147	5	44,596	90,012
7-10am	7,757	163	370	5	8,295	6,482	117	362	1	6,962	15,257
10am-1pm	6,211	62	245	3	6,521	5,196	42	538	1	5,777	12,298
1-4pm	6,181	98	188	3	6,470	7,035	55	438	0	7,528	13,998
4-7pm	7,693	219	115	2	8,029	6,683	141	273	0	7,097	15,126
7am-7pm	27,842	542	918	13	29,315	25,396	355	1,611	2	27,364	56,679
6-10am	10,620	214	495	6	11,335	8,506	144	453	1	9,104	20,439
3-7pm	9,950	273	177	3	10,403	9,163	166	414	0	9,743	20,146
6am-7pm	30,705	593	1,043	14	32,355	27,420	382	1,702	2	29,506	61,861

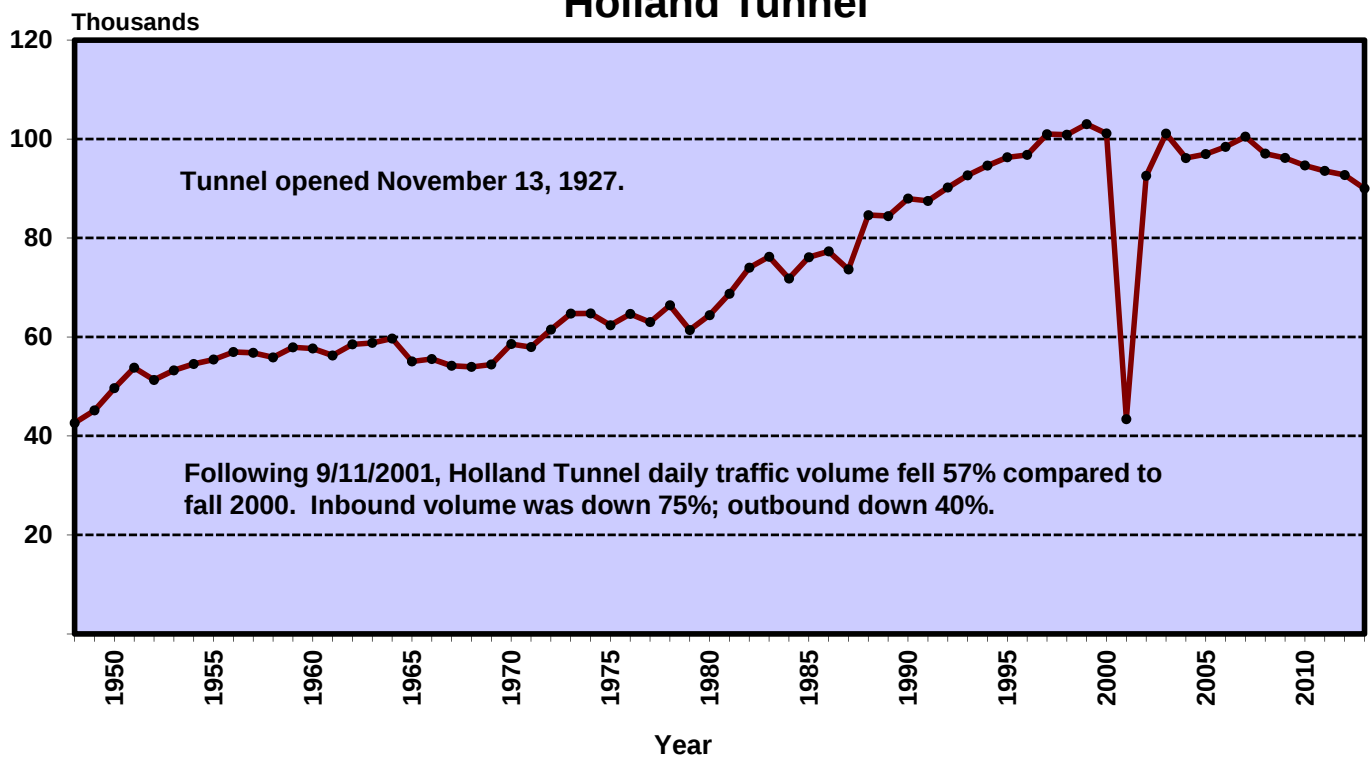
Classification based on October 2013 Data.

** Peak Volumes

Hourly Vehicular Volumes Holland Tunnel ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Holland Tunnel



Hourly Vehicular Volumes

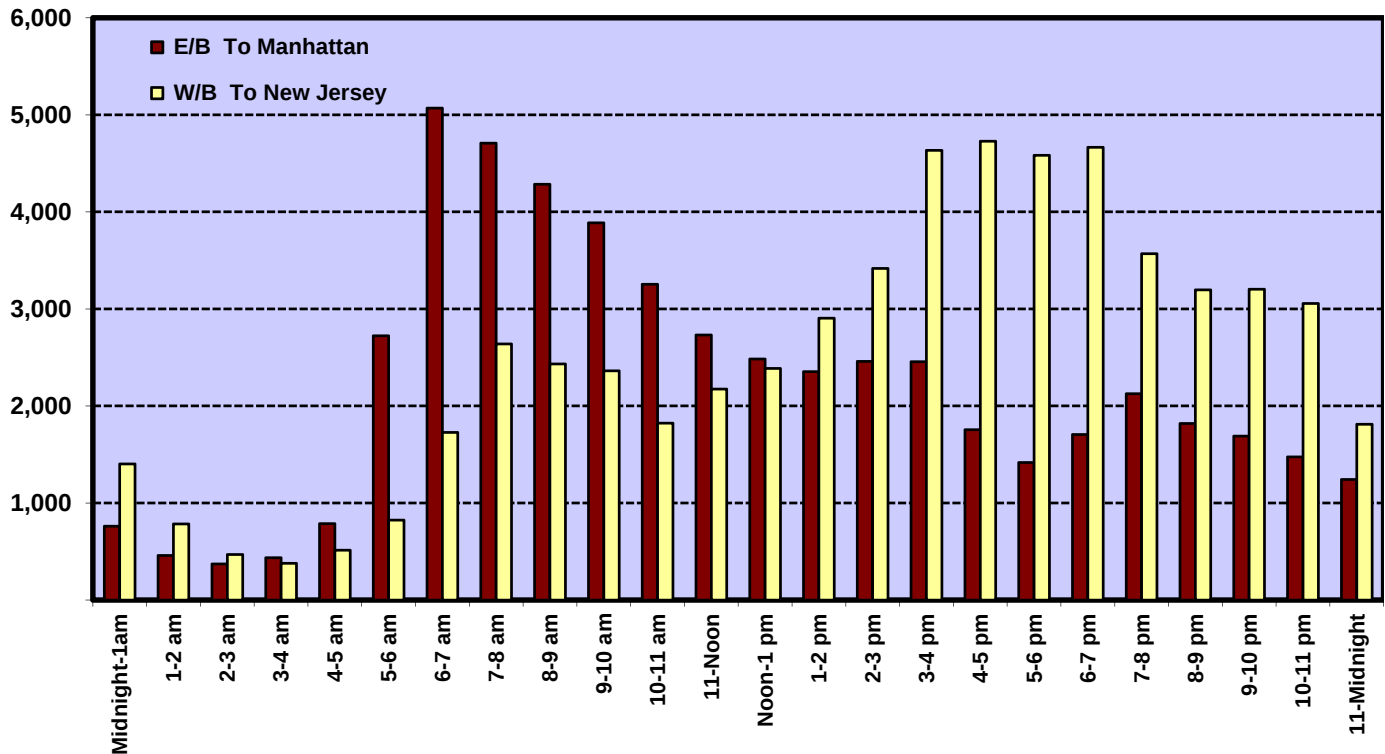
Lincoln Tunnel - 2013

	Eastbound to Manhattan					Westbound to New Jersey					2-Way Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	640	63	39	20	762	1,180	119	57	47	1,403	2,165
1-2am	365	30	43	22	460	629	57	55	43	784	1,244
2-3am	280	11	49	33	373	362	18	53	36	469	842
3-4am	305	13	82	37	437	266	9	53	51	379	816
4-5am	549	26	136	77	788	383	8	52	71	514	1,302
5-6am	2,150	167	310	97	2,724	577	68	99	80	824	3,548
6-7am	4,086	500	419	64	5,069 **	1,027	531	105	65	1,728	6,797
7-8am	3,532	823	315	38	4,708	1,232	1,196	135	77	2,640	7,348 **
8-9am	3,023	959	285	18	4,285	1,074	1,172	144	44	2,434	6,719
9-10am	2,997	621	251	19	3,888	1,060	1,101	157	44	2,362	6,250
10-11am	2,753	269	213	19	3,254	1,265	320	176	62	1,823	5,077
11-12am	2,369	202	144	17	2,732	1,627	204	278	65	2,174	4,906
12-1pm	2,157	186	129	13	2,485	1,877	182	271	58	2,388	4,873
1-2pm	2,008	224	112	10	2,354	2,391	180	273	61	2,905	5,259
2-3pm	2,060	289	103	8	2,460	2,858	214	286	60	3,418	5,878
3-4pm	1,941	424	84	8	2,457	4,011	260	320	43	4,634	7,091
4-5pm	1,236	455	59	5	1,755	4,012	428	267	21	4,728 **	6,483
5-6pm	1,044	328	41	5	1,418	3,721	643	205	15	4,584	6,002
6-7pm	1,311	347	36	12	1,706	3,852	666	141	7	4,666	6,372
7-8pm	1,716	330	62	18	2,126	2,948	495	114	13	3,570	5,696
8-9pm	1,509	224	66	21	1,820	2,805	295	72	25	3,197	5,017
9-10pm	1,419	171	71	28	1,689	2,869	223	77	34	3,203	4,892
10-11pm	1,255	136	58	26	1,475	2,776	170	70	40	3,056	4,531
11-12pm	1,057	103	52	31	1,243	1,574	130	76	31	1,811	3,054
Totals	41,762	6,901	3,159	646	52,468	46,376	8,689	3,536	1,093	59,694	112,162
7-10am	9,552	2,403	851	75	12,881	3,366	3,469	436	165	7,436	20,317
10am-1pm	7,279	657	486	49	8,471	4,769	706	725	185	6,385	14,856
1-4pm	6,009	937	299	26	7,271	9,260	654	879	164	10,957	18,228
4-7pm	3,591	1,130	136	22	4,879	11,585	1,737	613	43	13,978	18,857
7am-7pm	26,431	5,127	1,772	172	33,502	28,980	6,566	2,653	557	38,756	72,258
6-10am	13,638	2,903	1,270	139	17,950	4,393	4,000	541	230	9,164	27,114
3-7pm	5,532	1,554	220	30	7,336	15,596	1,997	933	86	18,612	25,948
6am-7pm	30,517	5,627	2,191	236	38,571	30,007	7,097	2,758	622	40,484	79,055

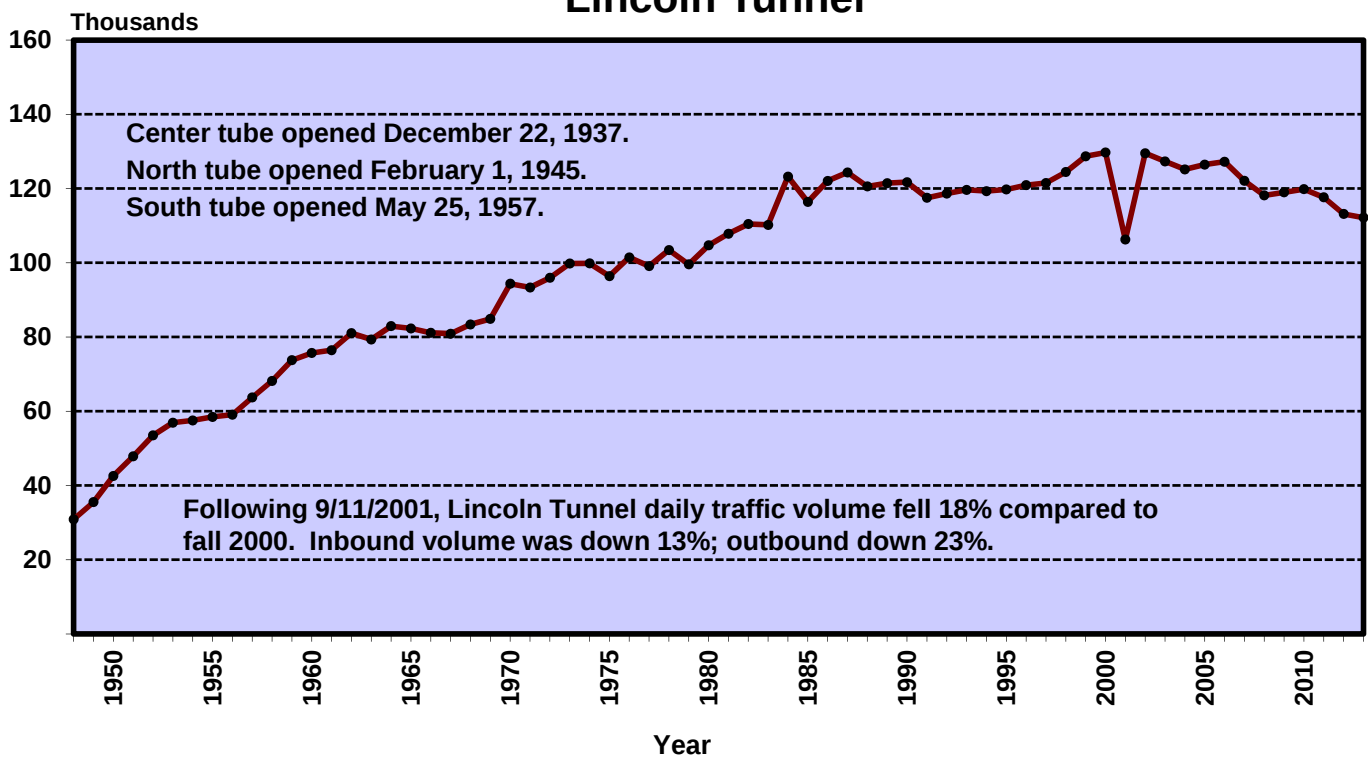
Classification based on October 2013 Data.

** Peak Volumes

Hourly Vehicular Volumes Lincoln Tunnel ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Lincoln Tunnel



Hourly Vehicular Volumes

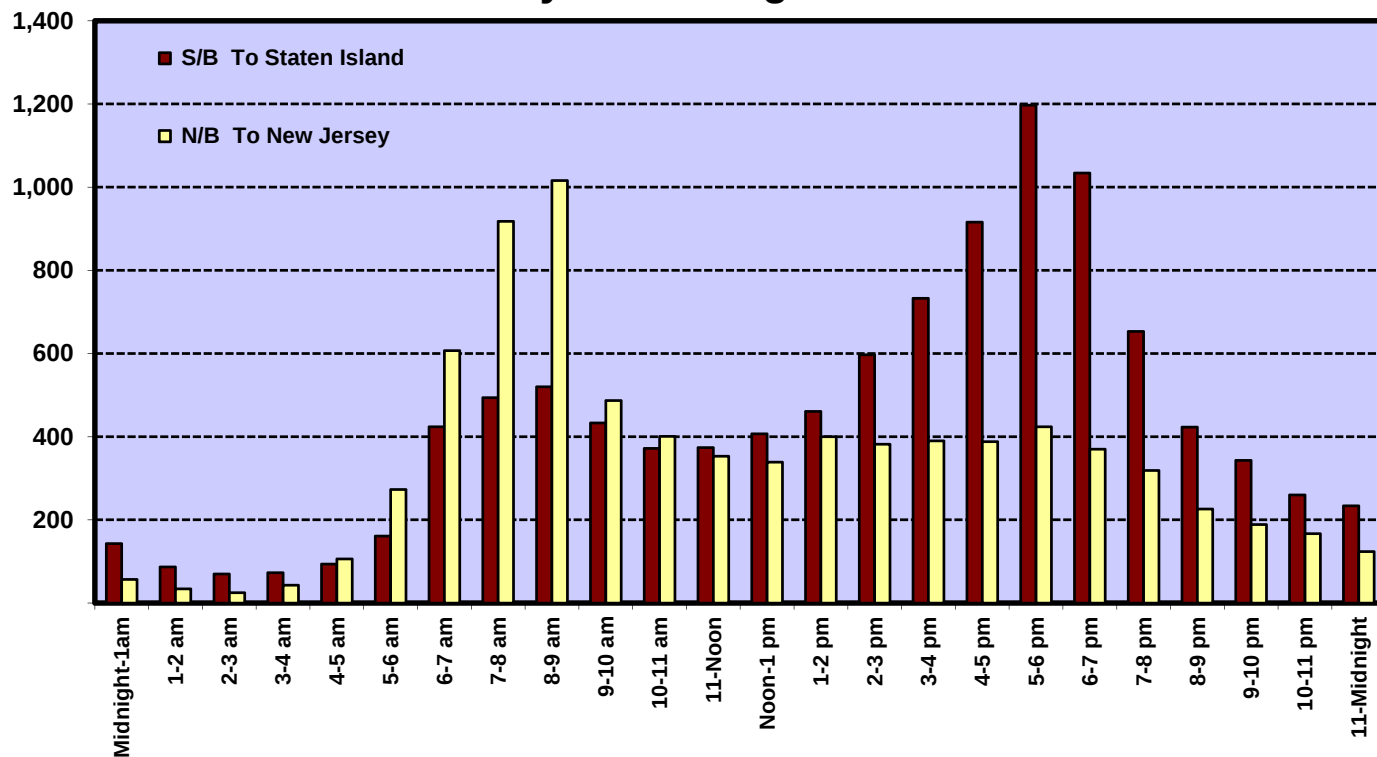
Bayonne Bridge - 2013

	Southbound to Staten Island					Northbound to New Jersey					2-Way Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	127	0	5	11	143	47	0	5	5	57	200
1-2am	69	1	8	9	87	25	0	9	0	34	121
2-3am	56	0	5	9	70	17	0	2	6	25	95
3-4am	54	0	9	10	73	34	0	7	2	43	116
4-5am	68	0	9	17	94	98	1	4	3	106	200
5-6am	123	0	14	24	161	253	1	17	2	273	434
6-7am	361	4	24	35	424	576	4	16	11	607	1,031
7-8am	426	8	25	35	494	880	7	20	11	918	1,412
8-9am	440	9	32	39	520	967	1	20	28	1,016 **	1,536
9-10am	345	11	35	42	433	441	0	23	23	487	920
10-11am	287	6	36	43	372	353	0	15	33	401	773
11-12am	298	2	34	40	374	303	0	30	20	353	727
12-1pm	342	1	31	33	407	301	0	23	15	339	746
1-2pm	401	2	30	28	461	355	0	23	22	400	861
2-3pm	538	3	32	24	597	330	1	26	25	382	979
3-4pm	686	3	25	19	733	352	4	18	16	390	1,123
4-5pm	873	4	22	17	916	339	4	32	13	388	1,304
5-6pm	1,147	9	29	12	1,197 **	382	6	28	8	424	1,621 **
6-7pm	1,000	8	14	12	1,034	354	4	9	3	370	1,404
7-8pm	628	4	10	11	653	299	2	16	2	319	972
8-9pm	399	2	13	9	423	220	0	6	0	226	649
9-10pm	328	1	9	5	343	185	0	3	1	189	532
10-11pm	250	1	4	5	260	155	0	6	6	167	427
11-12pm	219	1	7	7	234	99	1	24	0	124	358
Totals	9,465	80	462	496	10,503	7,365	36	382	255	8,038	18,541
7-10am	1,211	28	92	116	1,447	2,288	8	63	62	2,421	3,868
10am-1pm	927	9	101	116	1,153	957	0	68	68	1,093	2,246
1-4pm	1,625	8	87	71	1,791	1,037	5	67	63	1,172	2,963
4-7pm	3,020	21	65	41	3,147	1,075	14	69	24	1,182	4,329
7am-7pm	6,783	66	345	344	7,538	5,357	27	267	217	5,868	13,406
6-10am	1,572	32	116	151	1,871	2,864	12	79	73	3,028	4,899
3-7pm	3,706	24	90	60	3,880	1,427	18	87	40	1,572	5,452
6am-7pm	7,144	70	369	379	7,962	5,933	31	283	228	6,475	14,437

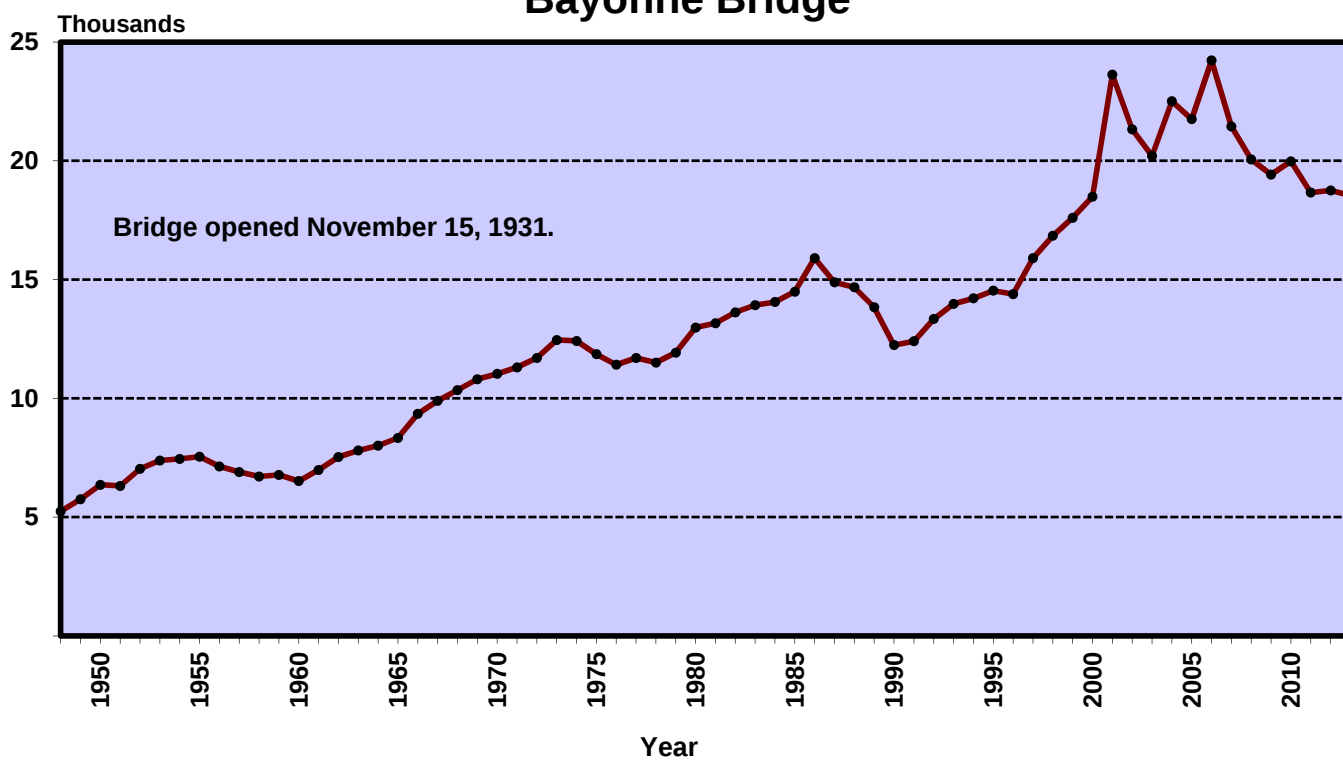
Classification based on October 2013 Data.

** Peak Volumes

Hourly Vehicular Volumes Bayonne Bridge ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Bayonne Bridge



Hourly Vehicular Volumes

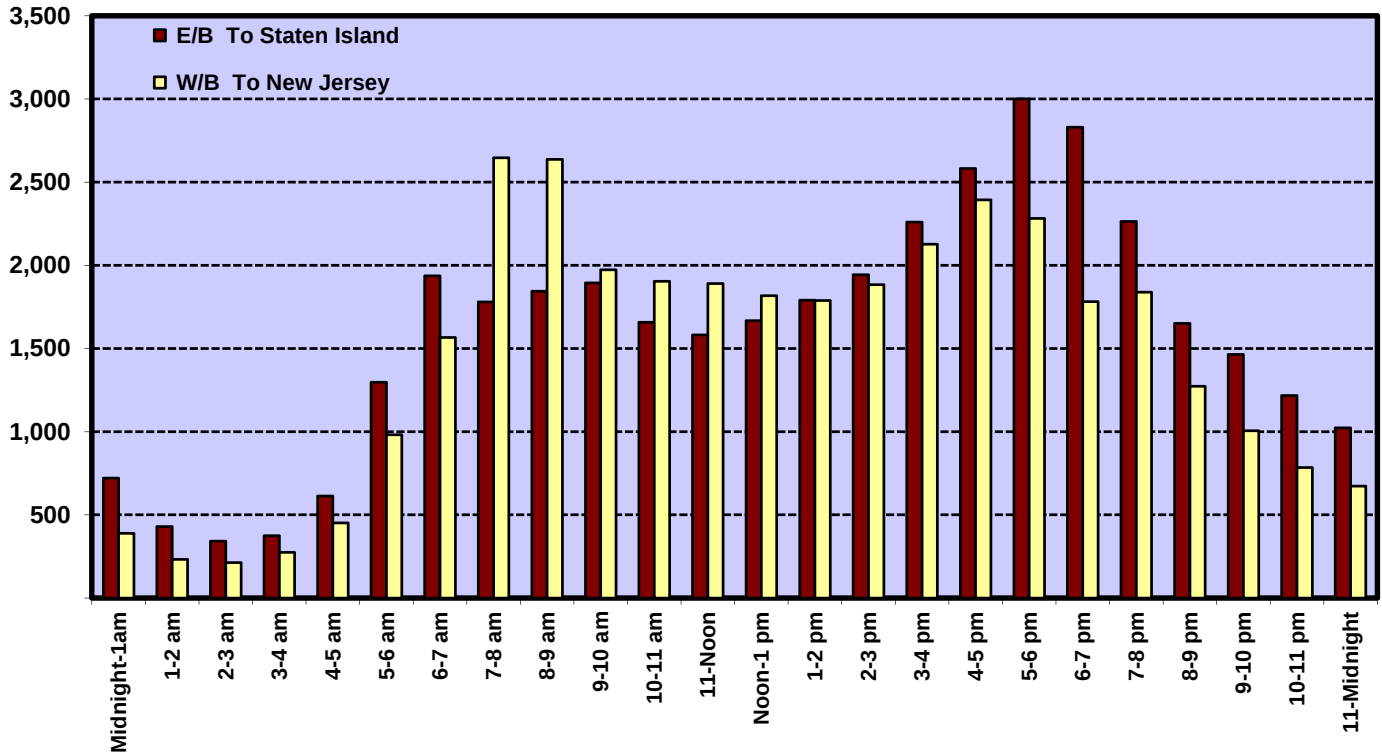
Goethals Bridge - 2013

	Eastbound to Staten Island					Westbound to New Jersey					2-Way Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	636	3	17	65	721	289	2	24	74	389	1,110
1-2am	335	2	16	77	430	164	0	11	58	233	663
2-3am	229	2	19	92	342	128	0	16	69	213	555
3-4am	215	1	49	110	375	196	0	20	59	275	650
4-5am	393	3	63	154	613	362	1	35	54	452	1,065
5-6am	985	5	104	203	1,297	856	10	74	42	982	2,279
6-7am	1,622	14	141	160	1,937	1,443	33	50	41	1,567	3,504
7-8am	1,475	20	130	155	1,780	2,442	58	86	61	2,647 **	4,427
8-9am	1,549	18	128	150	1,845	2,373	34	119	111	2,637	4,482
9-10am	1,532	36	156	171	1,895	1,732	11	104	126	1,973	3,868
10-11am	1,331	33	126	168	1,658	1,576	7	168	153	1,904	3,562
11-12am	1,313	17	101	151	1,582	1,580	7	142	162	1,891	3,473
12-1pm	1,428	9	97	134	1,668	1,492	3	166	157	1,818	3,486
1-2pm	1,561	6	93	131	1,791	1,482	14	164	129	1,789	3,580
2-3pm	1,716	7	102	119	1,944	1,542	25	190	127	1,884	3,828
3-4pm	2,047	18	96	99	2,260	1,851	7	150	119	2,127	4,387
4-5pm	2,410	19	80	73	2,582	2,138	7	149	100	2,394	4,976
5-6pm	2,817	38	67	79	3,001 **	2,138	0	84	60	2,282	5,283 **
6-7pm	2,653	47	50	80	2,830	1,654	8	70	50	1,782	4,612
7-8pm	2,132	34	39	59	2,264	1,724	4	61	50	1,839	4,103
8-9pm	1,562	10	28	51	1,651	1,213	3	25	32	1,273	2,924
9-10pm	1,374	7	26	58	1,465	949	1	17	39	1,006	2,471
10-11pm	1,122	3	20	72	1,217	714	0	16	55	785	2,002
11-12pm	929	4	16	74	1,023	586	0	22	65	673	1,696
Totals	33,366	356	1,764	2,685	38,171	30,624	235	1,963	1,993	34,815	72,986
7-10am	4,556	74	414	476	5,520	6,547	103	309	298	7,257	12,777
10am-1pm	4,072	59	324	453	4,908	4,648	17	476	472	5,613	10,521
1-4pm	5,324	31	291	349	5,995	4,875	46	504	375	5,800	11,795
4-7pm	7,880	104	197	232	8,413	5,930	15	303	210	6,458	14,871
7am-7pm	21,832	268	1,226	1,510	24,836	22,000	181	1,592	1,355	25,128	49,964
6-10am	6,178	88	555	636	7,457	7,990	136	359	339	8,824	16,281
3-7pm	9,927	122	293	331	10,673	7,781	22	453	329	8,585	19,258
6am-7pm	23,454	282	1,367	1,670	26,773	23,443	214	1,642	1,396	26,695	53,468

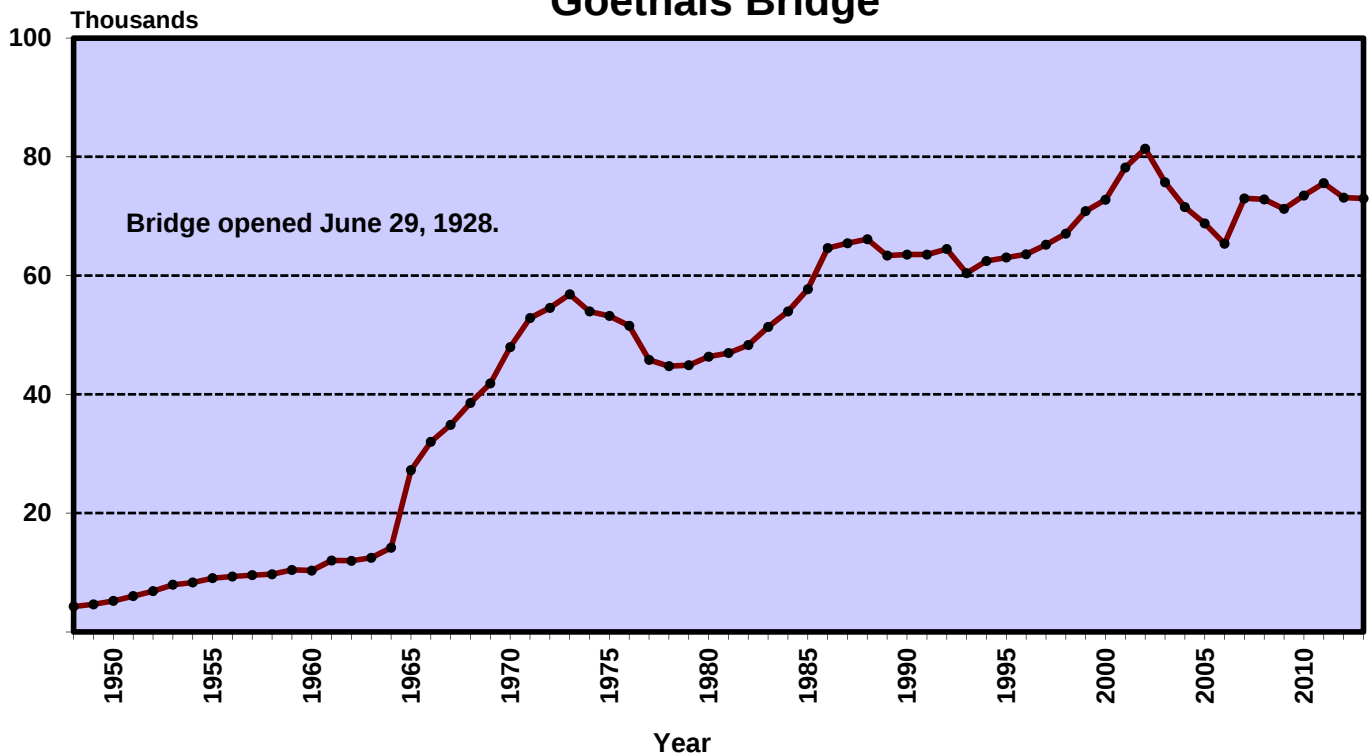
Classification based on October 2013 Data.

** Peak Volumes

Hourly Vehicular Volumes Goethals Bridge ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Goethals Bridge



Hourly Vehicular Volumes

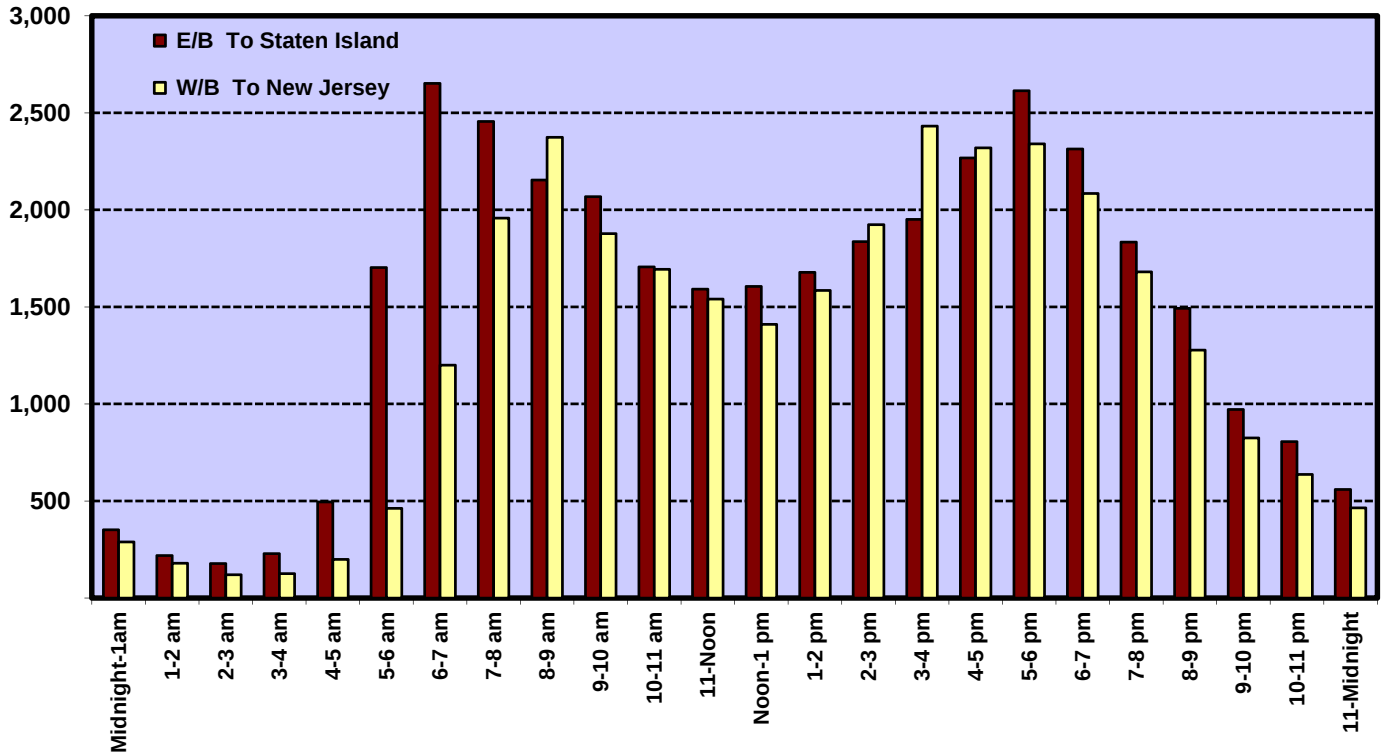
Outerbridge Crossing - 2013

	<i>Eastbound to Staten Island</i>					<i>Westbound to New Jersey</i>					2-Way Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	301	2	9	40	352	245	0	6	38	289	641
1-2am	161	4	9	45	219	152	0	3	25	180	399
2-3am	112	2	11	53	178	73	0	8	39	120	298
3-4am	141	2	27	59	229	90	0	8	28	126	355
4-5am	345	3	50	97	495	153	0	12	34	199	694
5-6am	1,513	3	70	117	1,703	414	0	18	30	462	2,165
6-7am	2,481	4	78	89	2,652 **	1,121	1	31	47	1,200	3,852
7-8am	2,295	1	88	72	2,456	1,872	1	52	33	1,958	4,414
8-9am	1,973	3	106	72	2,154	2,236	12	81	45	2,374	4,528
9-10am	1,889	3	91	85	2,068	1,708	13	81	76	1,878	3,946
10-11am	1,533	4	76	93	1,706	1,524	9	92	69	1,694	3,400
11-12am	1,439	4	71	78	1,592	1,360	2	87	92	1,541	3,133
12-1pm	1,473	5	65	63	1,606	1,269	4	76	61	1,410	3,016
1-2pm	1,546	6	67	59	1,678	1,423	1	86	75	1,585	3,263
2-3pm	1,716	3	65	53	1,837	1,797	0	78	49	1,924	3,761
3-4pm	1,855	4	55	37	1,951	2,353	3	50	26	2,432 **	4,383
4-5pm	2,183	5	51	29	2,268	2,252	0	41	27	2,320	4,588
5-6pm	2,536	6	47	25	2,614	2,283	1	29	27	2,340	4,954 **
6-7pm	2,252	5	32	25	2,314	2,030	1	28	26	2,085	4,399
7-8pm	1,763	10	27	34	1,834	1,636	5	20	20	1,681	3,515
8-9pm	1,430	6	18	39	1,493	1,248	4	7	19	1,278	2,771
9-10pm	928	1	13	30	972	786	7	12	20	825	1,797
10-11pm	755	2	12	37	806	597	1	8	31	637	1,443
11-12pm	513	1	9	37	560	432	1	3	29	465	1,025
Totals	33,133	89	1,147	1,368	35,737	29,054	66	917	966	31,003	66,740
7-10am	6,157	7	285	229	6,678	5,816	26	214	154	6,210	12,888
10am-1pm	4,445	13	212	234	4,904	4,153	15	255	222	4,645	9,549
1-4pm	5,117	13	187	149	5,466	5,573	4	214	150	5,941	11,407
4-7pm	6,971	16	130	79	7,196	6,565	2	98	80	6,745	13,941
7am-7pm	22,690	49	814	691	24,244	22,107	47	781	606	23,541	47,785
6-10am	8,638	11	363	318	9,330	6,937	27	245	201	7,410	16,740
3-7pm	8,826	20	185	116	9,147	8,918	5	148	106	9,177	18,324
6am-7pm	25,171	53	892	780	26,896	23,228	48	812	653	24,741	51,637

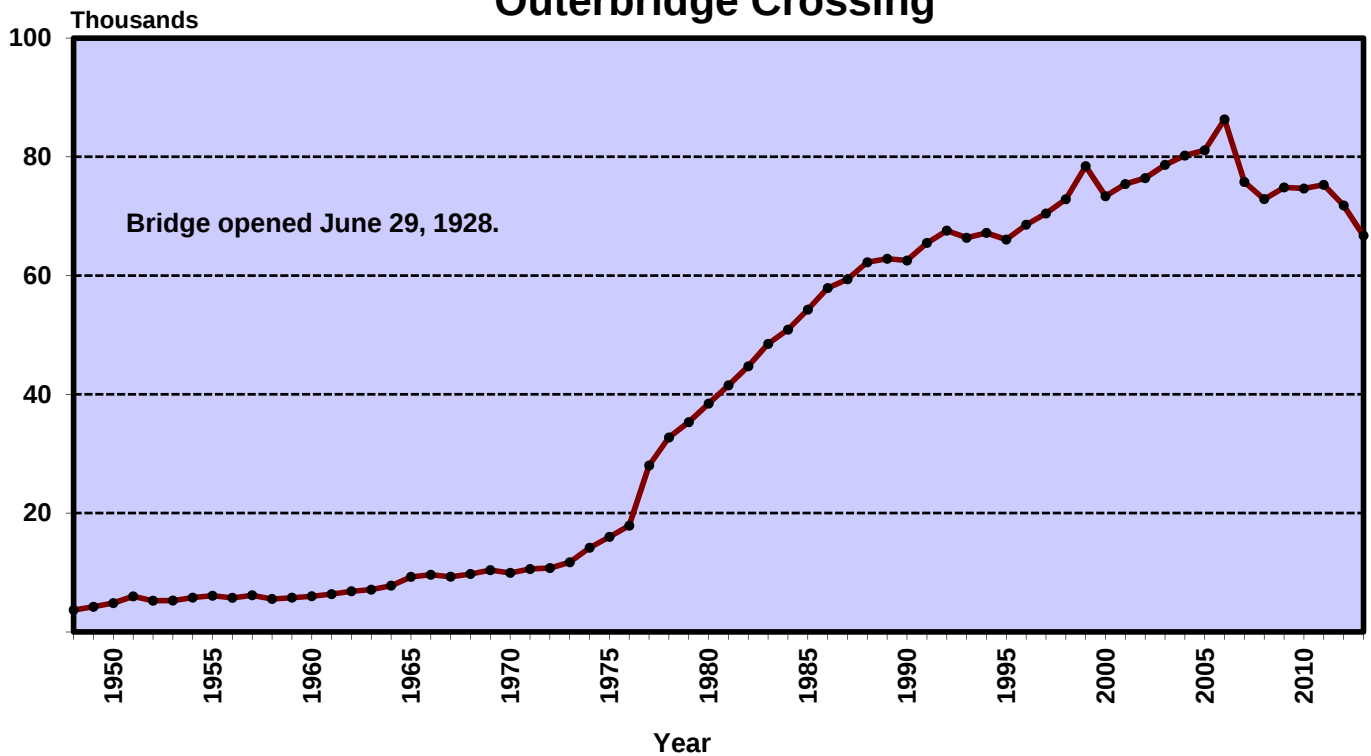
Classification based on October 2013 Data.

** Peak Volumes

Hourly Vehicular Volumes Outerbridge Crossing ~ 2013



Average Daily Traffic Volumes ~ Total of Both Directions Outerbridge Crossing



APPENDIX

2013 Bridge and Tunnel Reconstruction

APPENDIX

Major Bridge Reconstruction In 2013

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 reconstruction.

The closure times in 2013 were as follows.

01/02 – 01/12: 11:00pm–6:00am Sun–Fri,
12:01am–7:00am Sat,
12:01am–9:00am Sun.

01/12 – 01/14: 12:01am Sat. - 6:00am Mon.

01/14 – 02/15: 11:00pm–6:00am Sun–Fri,
12:01am–7:00am Sat,
12:01am–9:00am Sun.

02/16 – 04/26: 11:00pm–6:00am Mon–Fri,
12:01am–7:00am Sat.

04/27 – 04/29: 12:01am Sat. - 6:00am Mon.

04/30 – 05/17: 11:00pm–6:00am Mon–Fri,
12:01am–7:00am Sat.

05/18 – 07/19: 11:00pm–6:00am Mon–Fri,
12:01am–7:00am Sat,
12:01am–9:00am Sun.

07/20 – 07/22: 11:00pm–6:00am Mon–Fri,
12:01am Sat – 6:00am Mon.

07/23 – 08/04: 11:00pm–6:00am Mon–Fri,
12:01am–7:00am Sat,
12:01am–9:00am Sun.

08/04 –09/09: 11:00pm–6:00am Mon–Fri,
12:01am Sat – 6:00am Mon.

09/10 – 09/27: 11:00pm–6:00am Mon–Fri,
12:01am–6:00am Sat,
12:01am–9:00am Sun.

09/28 – 12/31: 11:00pm–6:00am Mon–Fri,
12:01am Sat – 6:00am Mon as needed.

Bicycle and pedestrian access was maintained during these times.

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

The Brooklyn – Queens Expressway eastbound exit to the Manhattan-bound bridge was closed during these times.

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

There were no closures Memorial Day weekend or Labor Day weekend.

There were no closures July 3-5, 2013.

Throughout 2013, 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 Mayor Michael R. Bloomberg signed the legislation which had been passed by the City Council on March 23, 2011.

Throughout 2013, 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.

Throughout 2013, the North Outer Roadway was reserved for bicyclists and pedestrians.

Ed Koch Queensboro Bridge Operation: All 2013 except as noted.

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: Bicyclists and pedestrians all times.

South Outer Roadway: E/B all times (passenger cars only).

South Outer Roadway was closed as follows in 2013.

01/29 – 02/01: 1:00am – 5:00pm. Tue – Fri.

02/02 – 02/10: 2:00am – 2:00pm. Sat – Sun.

02/21 – 02/22: 12:01am – 5:00am. Thu – Fri.

02/28 – 03/01: 2:00am – 2:00pm. Thu – Fri.

03/02 – 03/03: 2:00am – 2:00pm. Sat – Sun.

03/20 – 03/22: 12:01am – 5:00am. Wed – Fri.

03/23 – 03/24: 2:00am – 2:00pm. Sat – Sun.

04/06 – 04/07: 2:00am – 2:00pm. Sat – Sun.

One of two lanes on the South Upper Roadway was closed as follows in 2013.

08/24 – 10/14: Round-the-Clock¹ All Days.

Throughout 2013, there were additional 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)

The Manhattan Bridge was open to pedestrians and bicyclists during all hours throughout 2013. As of July 18, 2011, pedestrians and bicyclists had traded paths so that the north path was used by pedestrians and the south path was used by cyclists. This reversal of pedestrian and bicycle paths was necessary during reconstruction along the north side. The reversal of paths remained in effect until March 5, 2012, at which time cyclists returned to the north path and pedestrians returned to the south path.

Manhattan Bridge Operation: All 2013

Note: During 2013, the nearby Brooklyn Bridge was closed to Manhattan-bound traffic during overnight hours.

- **6:00am – 10:00am weekdays.**

One of three lanes closed on the Lower Roadway.

- Manhattan-bound: 4 lanes.
 - 2 lanes on the North Upper Roadway (no trucks, left lane reserved for buses and HOV 2+).
 - 2 lanes on the Lower Roadway.
- Brooklyn-bound: 2 lanes on the South Upper Roadway.

- **10:00am – 3:00pm weekdays.**

Two of three lanes closed on the Lower Roadway.

- Manhattan-bound: 3 lanes.
 - 2 lanes on the North Upper Roadway.
 - 1 lane on the Lower Roadway.
- Brooklyn-bound: 2 lanes on the South Upper Roadway.

- **3:00pm – 9:30pm weekdays.**

One of three lanes closed on the Lower Roadway.

- Manhattan-bound: 2 lanes on the North Upper Roadway.
- Brooklyn-bound: 4 lanes.
 - 2 lanes on the South Upper Roadway.
 - 2 lanes on the Lower Roadway.

- **9:30pm – 6:00am weekdays.**

One of three lanes closed on the Lower Roadway.

- Manhattan-bound: 4 lanes.
 - 2 lanes on the North Upper Roadway.
 - 2 lanes on the Lower Roadway.
- Brooklyn-bound: 2 lanes on the South Upper Roadway.

- **9:00pm Friday – 10:00am Monday.**

One of three lanes closed on the Lower Roadway.

- Manhattan-bound: 4 lanes.
 - 2 lanes on the North Upper Roadway.
 - 2 lanes on the Lower Roadway.
- Brooklyn-bound: 2 lanes on the South Upper Roadway.

Throughout 2013, 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 2013 trucks were permitted only on the outer roadways.

Pedestrian and bicycle access was maintained on the bridge at all times throughout 2013.

Williamsburg Bridge Operation: January 1 – March 22, 2013.

- 2 westbound lanes closed weeknights 11pm – 5am as needed, 1 night per week.
- 2 eastbound lanes closed as needed weekdays 6am – 2pm.
- All other times: 4 lanes in each direction with intermittent closures of single lanes in each direction during off-peak hours.

Williamsburg Bridge Operation: March 23 – April 12, 2013.

- 2 westbound lanes closed weeknights 11pm – 5am as needed, 1 night per week.
- 2 eastbound lanes closed as needed weekdays 12:01am – 5pm.
- All other times: 4 lanes in each direction with intermittent closures of single lanes in each direction during off-peak hours.

Williamsburg Bridge Operation: April 13 – December 31, 2013.

- 2 eastbound lanes closed as needed weekdays 12:01am – 5pm.
- All other times: 4 lanes in each direction with intermittent closures of single lanes in each direction during off-peak hours.

Throughout 2013, there were additional 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:

06/08-12/31:	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:

06/08-12/31:	11:00pm - 5:30am	Weeknights.	1 W/B lane closed as needed.
	12:01am-5:30am	Sat.	1 W/B lanes closed as needed.
	1:00am-5:30am	Sat.	1 or 2 W/B lanes closed as needed.
	2:00am-5:30am	Sun.	1 or 2 W/B lanes closed as needed.

Broadway Bridge (Harlem River between Bronx & Manhattan)

2 of 3 lanes were closed in both directions as follows:

05/14-05/16:	11:00pm - 5:00am	Tue-Thu.
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Throughout 2013, there were additional closures of single lanes in each direction on the Broadway Bridge during off-peak hours.

Washington Bridge (Harlem River between Bronx & Manhattan)

Two of three lanes, one direction at a time, were closed as needed weeknights from 11 pm to 5 am to facilitate NYCDOT bridge repairs as follows:

01/22-02/06:	11:00pm - 5:00am	Weeknights.
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Throughout 2013, there were additional closures of single lanes in each direction on the Washington Bridge during off-peak hours.

Willis Avenue Bridge (Harlem River from Manhattan to Bronx)

The entire bridge was closed as follows:

02/05-02/16:	1:00am - 5:30am	Tue-Fri,
	2:00am - 6:00am	Sat.
03/07-03/08:	1:00am - 5:30am	Thu-Fri.
03/26-03/29:	1:00am - 5:30am	Tue-Fri.
04/09-04/27:	1:00am - 5:30am	Tue-Fri,
	2:00am - 6:00am	Sat.
06/04-06/15:	1:00am - 5:30am	Tue-Fri,
	2:00am - 6:00am	Sat.
06/25-06/29:	1:00am - 5:30am	Tue-Fri,
	2:00am - 6:00am	Sat.
07/16-08/03:	1:00am - 5:30am	Tue-Fri,
	2:00am - 6:00am	Sat.
12/03-12/07:	1:00am - 5:30am	Tue-Fri,
	2:00am - 6:00am	Sat.

Throughout 2013, there were additional lane closures on the Willis Avenue Bridge as needed during off-peak hours.

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

Throughout 2013, there were intermittent closures of single lanes in each direction on the 145th Street Bridge as needed during off-peak hours.

J.J. Byrne Memorial Bridge, a.k.a. Greenpoint Avenue Bridge (over Newtown Creek between Brooklyn & Queens)

Eastbound lane closures were in effect as follows:

02/19–02/23: 10:00pm – 5:00am Tue-Sat. 1 of 2 E/B lanes closed.

Westbound lane closures were in effect as follows:

02/19–02/23: 10:00pm – 5:00am Tue-Sat. 1 of 2 W/B lanes closed.

Pulaski Bridge (over Newtown Creek between Brooklyn & Queens)

Northbound lane closures were in effect as follows:

02/19–02/23: 10:00pm – 5:00am Tue-Sat. 2 of 3 N/B lanes closed.

Southbound lane closures were in effect as follows:

02/19–02/23: 10:00pm – 5:00am Tue-Sat. 2 of 3 S/B lanes closed.

Eastchester Bridge (Boston Road over the Hutchinson River)

Throughout 2013, there were intermittent closures of single lanes in each direction on the Eastchester Bridge as needed during off-peak hours.

Eastern Boulevard Bridge (Bruckner Expressway over Bronx River)

Eastbound Service Roadway (Bruckner Boulevard) lane closures were in effect as follows.

08/10–12/31: 8:00pm – 5:00am Mon-Sat. 1 E/B lane closed on the service road.

Westbound Service Roadway (Bruckner Boulevard) lane closures were in effect as follows.

08/10–12/31: 8:00pm – 5:00am Mon-Sat. 1 W/B lane closed on the service road.

Throughout 2013, there were additional closures of single lanes in each direction on the Eastern Boulevard Bridge during off-peak hours.

Hutchinson River Parkway Bridge (Hutchinson River, Bronx)

Throughout 2013, there were intermittent closures of single lanes in each direction on the Hutchinson River Parkway Bridge during off-peak hours.

Pelham Bridge (Eastchester Bay, Bronx)

Throughout 2013, there were intermittent closures of single lanes in each direction on the Pelham Bridge during off-peak hours.

Unionport Bridge (Westchester Creek, Bronx)

Eastbound lane closures were in effect as follows:

02/11–02/13: 11:00pm – 5:00am Mon & Wed 2 of 3 E/B lanes closed.
E/B access from Zarega Avenue also closed.

Westbound lane closures were in effect as follows:

02/11–02/13: 11:00pm – 5:00am Mon & Wed 1 of 2 W/B lanes closed.

Throughout 2013, there were additional closures of single lanes in each direction on the Unionport Bridge during off-peak hours.

Carroll Street Bridge (Brooklyn)

This bridge (one-way eastbound) was closed to motorists, bicyclists, and pedestrians from April 1 to August 30.

Hamilton Avenue Bridge (Gowanus Canal, Brooklyn)

Throughout 2013, there were intermittent closures of single lanes in both directions as needed during off-peak hours.

Mill Basin Bridge (Belt Parkway, Brooklyn)

Eastbound lane closures were in effect as follows:

01/01–12/31: 10:00am – 2:00pm Weekdays 1 of 3 E/B lanes closed as needed.
10:00pm – 5:00am Weekdays 1 of 3 E/B lanes closed as needed.
1:00am – 5:00am Weekdays 2 of 3 E/B lanes closed as needed.

Westbound lane closures were in effect as follows:

01/01–12/31: 10:00am – 2:00pm Weekdays 1 of 3 W/B lanes closed as needed.
10:00pm – 5:00am Weekdays 1 of 3 W/B lanes closed as needed.
1:00am – 5:00am Weekdays 2 of 3 W/B lanes closed as needed.

Flushing Bridge (Northern Boulevard over Flushing River, Queens)

Eastbound lane closures were in effect as follows.

04/22-05/03: 10:00pm - 5:00am Mon-Fri. 1 of 3 E/B lanes closed.
05/18-06/30: 10:00am - 4:00pm Mon-Fri. 1 of 3 E/B lanes closed.

Westbound lane closures were in effect as follows.

03/02-05/17:	10:00am - 3:00pm	Mon-Fri.	1 of 3 W/B lanes closed.
05/18-06/30:	10:00am - 4:00pm	Mon-Fri.	1 of 3 W/B lanes closed.

Throughout 2013, there were additional closures of single lanes in each direction on the Flushing Bridge during off-peak hours.

Roosevelt Island Bridge (East River between Queens & Roosevelt Island)

This bridge was subject to intermittent 15-minute closures as follows.

03/16-03/22:	9:30am - 2:30pm	Weekdays	<i>Intermittent 15-minute closures.</i>
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Throughout 2013, there were additional closures of single lanes in each direction on the Roosevelt Island Bridge during off-peak hours.

Whitestone Expressway Bridge (Over the Flushing River in Queens)

Throughout 2013, there were intermittent closures of single lanes in each direction on the Whitestone Expressway Bridge during off-peak hours.

Henry Hudson Bridge

Throughout 2013, lane closures were in effect as needed in both directions due to a major project to rehabilitate the original 1930s-era upper level support structures. This included round-the-clock closure of the center lane on the northbound upper level from June 26, 2013, to July 31, 2013.

On Sunday, July 14, from 4:00 am to noon, the entire upper level was closed for the Aquaphor New York City Triathlon.

From August 19 to August 21, The Kappock Street exit from the northbound upper level was closed between 7:00 am and 3:00 pm for paving work.

On August 28 and August 29, one Manhattan-bound lane from the Kappock Street entrance to the bridge was closed for reconstruction between 10:00 am and 3:00 pm.

Also on August 28 and August 29, the bridge was fully closed intermittently (for approximately 15-minute intervals) Bronx-bound between 12:01 am and 5:00 am.

On Sunday, October 6, the bridge was fully closed from 7:00 am to noon for the Bike MS event.

In addition, throughout 2013, there were additional intermittent lane closures in both directions on the Henry Hudson Bridge during off-peak hours.

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

Throughout 2013, the inbound exit to Trinity Place was closed weekdays between 6:00-10:00am, and between 3:00-7:00pm.

Throughout 2013, between 6:00am and 10:00am on weekdays, there were three lanes inbound and one lane outbound.

Due to a major electrical equipment modernization project, there were a series of overnight and weekend tube closures as follows.

04/19-04/22:	10:00pm Friday - 5:00am Monday	One tube closed.
05/06-05/24:	9:00pm - 5:00am Mon-Fri	One tube closed.
09/20-09/23:	9:00pm Friday - 5:00am Monday	One tube closed.
10/04-10/07:	9:00pm Friday - 5:00am Monday	One tube closed.
10/18-10/21:	9:00pm Friday - 5:00am Monday	One tube closed.
11/15-11/25:	9:00pm Friday - 5:00am Monday	One tube closed.

2-way traffic was maintained in the open tube during all of the above-described tube closures.

The following closures were in effect for the Annual Stephen Siller Tunnels to Towers Run.

09/28-09/29:	10:00pm Saturday - 8:00am Sunday	One tube closed.
	<i>2-way traffic was maintained in the open tube during this time.</i>	
09/29:	8:00pm – 3:00pm Sunday	Both tubes closed.

Throughout 2013, there were additional intermittent closures of single lanes in the Hugh L. Carey Tunnel during off-peak hours.

Queens-Midtown Tunnel

One tube was closed as follows.

01/26-01/28:	2:00am Saturday – 5:00am Monday.
02/23-02/25:	2:00am Saturday – 5:00am Monday.
04/13-04/22:	2:00am Saturday – 5:00am Monday.
07/27-07/29:	2:00am Saturday – 5:00am Monday.
10/26-10/28:	1:00am Saturday – 5:00am Monday.

2-way traffic was maintained in the open tube for cars & NYCT buses only during all of the above-described tube closures.

Throughout 2013, there were also intermittent closures of single lanes in both directions of the Queens-Midtown Tunnel during off-peak hours.

Robert F. Kennedy Bridge (formerly Triborough Bridge)

At the Harlem River Lift Span, closures were in effect as follows.

02/01:	1:00am – 5:00am	Fri.
<i>All lanes closed in both directions for up to 15 minutes at a time.</i>		
03/05:	Approximately 10:15am	Tue.
<i>All lanes closed in both directions for about 15-20 minutes for marine traffic as required by federal law.</i>		

04/03: Approximately 3:30am Wed.
All lanes closed in both directions for about 15-20 minutes for marine traffic as required by federal law.

05/17: 1:00am – 5:00am Fri.
All lanes closed in both directions for up to 15 minutes at a time.

06/21: 12:01am – 5:00am Fri.
All lanes closed in both directions for 15-20 minutes at a time.

07/19: 12:01am – 5:00am Fri.
All lanes closed in both directions for 15-20 minutes at a time.

08/09: 12:01am – 5:00am Fri.
All lanes closed in both directions for the full 5 hours.

09/20: 12:01am – 5:00am Fri.
All lanes closed in both directions for up to 20 minutes at a time.

11/15: 12:01am – 5:00am Fri.
All lanes closed in both directions for up to 20 minutes at a time.

The center lane approaching the Bronx toll plaza heading to Queens was closed round-the-clock for several weeks beginning April 5, 2013.

Throughout 2013, there were also intermittent closures of single lanes on the Robert F. Kennedy Bridge during off-peak hours.

Bronx-Whitestone Bridge

From June 1 to December 9, one lane at the Queens approach was closed round-the clock for approximately a full year. On weekdays, a movable barrier was used to maintain 3 traffic lanes northbound between 6:00am and 9:00am, and 3 lanes southbound between 3:00pm and 7:00pm. On weekends, there were 3 lanes to Queens and 2 lanes to The Bronx.

As of Wednesday, December 11, the permanent lane closure on the Queens approach was suspended during the morning and afternoon drive times until January 15, 2015, to ease peak holiday traffic, and the roadway had all 6 lanes available, 3 in each direction, during these hours. One lane in either direction was still closed during off-peak hours as needed.

The 14th Ave. exit ramp from the Queens-bound roadway of the bridge was closed from 6:00am, Saturday, August 17, to 5:00am, Monday August 19.

Throgs Neck Bridge

Southbound (Queens-bound) closures were in effect as follows.

07/12–07/15: 10:00pm Friday – 5:00am Monday
2 S/B lanes open during the day, 1 S/B lane open overnight.

08/16–08/19: 10:00pm Friday – 5:00am Monday
2 S/B lanes open during the day, 1 S/B lane open overnight.

- 09/06–09/09: 10:00pm Friday – 5:00am Monday
2 S/B lanes open during the day, 1 S/B lane open overnight.
- 09/27–09/30: 10:00pm Friday – 5:00am Monday
2 S/B lanes open during the day, 1 S/B lane open overnight.
- 10/06–10/09: Sun – Wed.
1 S/B lane closed round-the clock.
- 10/18–10/21: 10:00pm Friday – 5:00am Monday
2 S/B lanes open during the day, 1 S/B lane open overnight.

Throughout 2013, there were additional intermittent closures of single lanes on the Throgs Neck Bridge during off-peak hours.

Verrazano-Narrows Bridge

Throughout 2013, trucks were required to use the upper level.

Lower level closures were in effect as follows.

- 05/05: 12:01am – 6:00pm Sun.
Lower Level closed in both directions for 5 Boro Bike Tour.
- 05/09 - 05/10: Thu – Fri.
2 E/B Lower Level lanes open 10pm – 11pm, 1 E/B Lower Level lane open 11pm – 5am.
- 05/11: 12:01am – 7:00pm Sat.
1 Lower Level E/B lane open.
- 05/13 - 05/16: Mon – Thu.
2 E/B Lower Level lanes open 10pm – 11pm, 1 E/B Lower Level lane open 11pm – 5am.

On Sunday, November 3, the entire bridge was closed to accommodate the New York City Marathon between 7:00 am and 3:00 pm. In addition, as of 11:00 pm on Saturday, November 2, the Upper Level was closed in both directions to allow for roadway preparation in advance of the race.

Throughout 2013, there were additional intermittent closures of single lanes in both directions on the Verrazano-Narrows Bridge roadways during off-peak hours.

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

Beginning August 12, 2013, 3 of 4 eastbound upper level lanes were closed Monday to Thursday from 11:00 pm to 5:00 am, and from midnight to 8:00 am Friday into Saturday.

On November 18, 2013, 2 of 4 upper level eastbound lanes were closed for emergency repairs until the following morning.

On December 11, 2013, 2 of 4 upper level westbound lanes were closed for emergency repairs until the following morning.

On the morning of December 16, 2013, 2 of 4 upper level westbound lanes were closed for emergency repairs until approximately 2:00pm.

From 9:00pm Friday, December 20, to 5:00am Saturday, December 21, 3 of 4 Upper Level eastbound lanes were closed to replace critical steel deck panels.

From 10:00pm Saturday, December 21, to 10:00am Sunday, December 22, 3 of 4 Upper Level lanes in both directions closed.

From 9:00pm Sunday, December 22, to 5:00am Monday, December 23, 3 of 4 Upper Level westbound lanes were closed.

Throughout 2013, there were additional intermittent closures of single lanes during off-peak hours to facilitate PANYNJ maintenance work.

Holland Tunnel (Hudson River between Manhattan & New Jersey)

On Sunday, November 17, 2013, from Midnight to 6:00am, the tunnel was closed eastbound for an emergency response drill.

Throughout 2013, there were additional intermittent closures of single lanes during off-peak hours to facilitate PANYNJ maintenance work.

Lincoln Tunnel (Hudson River between Manhattan & New Jersey)

Throughout 2013, there were intermittent lane closures during off-peak hours to facilitate PANYNJ maintenance work.

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

As of November 4, 2013, the Richmond Terrace/Trantor Place ramps that connect the Bayonne Bridge to local Staten Island Streets were closed round-the-clock in connection with the Bayonne Bridge Navigational Clearance Project.

From November 11 to December 19, only one of four lanes was open during the following hours:

9:00pm – 5:00am Mon-Thu
Midnight - 8:00am Friday into Saturday.
Traffic operated in 1 direction at a time during these hours.

From December 2 to December 4, 2013, the Bayonne Bridge was closed in both directions from 9:00pm until 5:00am in connection with the Bayonne Bridge Navigational Clearance Program.

Throughout 2013, there were intermittent closures of one of the two lanes in either or both directions weekdays during off-peak hours.

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

Throughout 2013, there were intermittent closures of one of the two lanes in either or both directions weeknights between 9:00pm and 5:00am.

Outerbridge Crossing (Arthur Kill between Staten Island & New Jersey)

Eastbound closures were in effect as follows:

07/09-09/06	10:00pm – 5:00am	Mon-Fri	Bridge closed E/B.
	11:59pm Fri – 7:00am Sat		Bridge closed E/B.
09/07-09/20	9:00pm – 5:00am	Mon-Fri	Bridge closed E/B.
	11:59pm Fri – 7:00am Sat		Bridge closed E/B.
09/21-10/18	9:00pm – 5:00am	Mon-Fri	Bridge closed E/B.
	11:59pm Fri – 8:00am Sat		Bridge closed E/B.

Westbound closures were in effect as follows:

07/09-09/06	10:00pm – 5:00am	Mon-Fri	Bridge closed W/B.
	11:59pm Fri – 7:00am Sat		Bridge closed W/B.
09/07-09/20	9:00pm – 5:00am	Mon-Fri	Bridge closed W/B.
	11:59pm Fri – 7:00am Sat		Bridge closed W/B.
09/21-10/18	9:00pm – 5:00am	Mon-Fri	Bridge closed W/B.
	11:59pm Fri – 8:00am Sat		Bridge closed W/B.

Throughout 2013, there were intermittent closures of one of the two lanes in either or both directions weeknights between 9:00pm and 5:00am.

