

2012 New York City Bridge Traffic Volumes



Bill de Blasio
Mayor



Polly Trottenberg
Commissioner

A member of the New York Metropolitan Transportation Council

2012 New York City Bridge Traffic Volumes

Contract D000642

2012-2013: PTDT12D00.E01

2013-2014: PTDT13D00.E01

The preparation of this report was financed in part with funds from the U.S. Department of Transportation, Federal Highway Administration, under the Federal Highway Act of 1956, as amended, and the Urban Mass Transportation Act of 1964, as amended. This document is disseminated by the New York City Department of Transportation in the interest of information exchange. It reflects the views of the New York City Department of Transportation (NYCDOT), which is responsible for the facts and the accuracy of the data presented herein. The report does not necessarily reflect any official views or policies of the Federal Transit Administration, the Federal Highway Administration, or the State of New York. The report does not constitute a standard, specification, or regulation. NYCDOT is grateful to the Metropolitan Transportation Authority Bridges and Tunnels (MTABT), the Port Authority of New York and New Jersey (PANYNJ), and the New York Metropolitan Transportation Council (NYMTC) for providing data used to develop this report.

Prepared by:
New York City Department of Transportation

Polly Trottenberg
Commissioner

Lori A. Ardito
First Deputy Commissioner

Ryan Russo
Assistant Commissioner

Naim Rasheed
Director, Traffic Planning

Ann Marie Doherty
Chief, Research, Implementation & Safety

Richard P. Roan
Research, Implementation & Safety

Published July 2014

2012
NEW YORK CITY
BRIDGE TRAFFIC VOLUMES

2,683,300

vehicles per day used the 47 toll-free bridges monitored by the New York City Department of Transportation in 2012.

1.3% Increase

from the 2,648,300 daily vehicles recorded in 2011.

4.3% Increase

In daily volume on the eleven bridges in Queens, to 555,700 in 2012 from 533,000 in 2011. Largest increase of any sector.

8.8% Increase

Williamsburg Bridge over the East River

Largest increase on bridges carrying more than 50,000 daily vehicles: 112,700 daily vehicles in 2012, up from 103,600 in 2011.

3.8% Decrease

Eastern Boulevard Bridge over the Bronx River

Largest decrease on bridges carrying more than 50,000 daily vehicles: 168,400 daily vehicles in 2012, down from 175,000 in 2011.



Whitestone Expressway Bridge over the Flushing River in Queens

204,900 vehicles per day, the most heavily-utilized toll-free bridge in New York City.

Ed Koch Queensboro Bridge over the East River

178,200 vehicles per day, the most heavily-utilized of the four East River bridges.

Alexander Hamilton Bridge over Harlem River

185,300 vehicles per day, the most heavily-utilized of the nine Harlem River bridges.

Kosciuszko Bridge over Newtown Creek

196,200 vehicles per day, the most heavily-utilized of the four bridges between Brooklyn and Queens.

Eastern Boulevard Bridge over the Bronx River

168,400 vehicles per day, the most heavily-utilized of the eight bridges in The Bronx.

Mill Basin Bridge along Belt Parkway

136,900 vehicles per day, the most heavily-utilized of the ten bridges in Brooklyn.

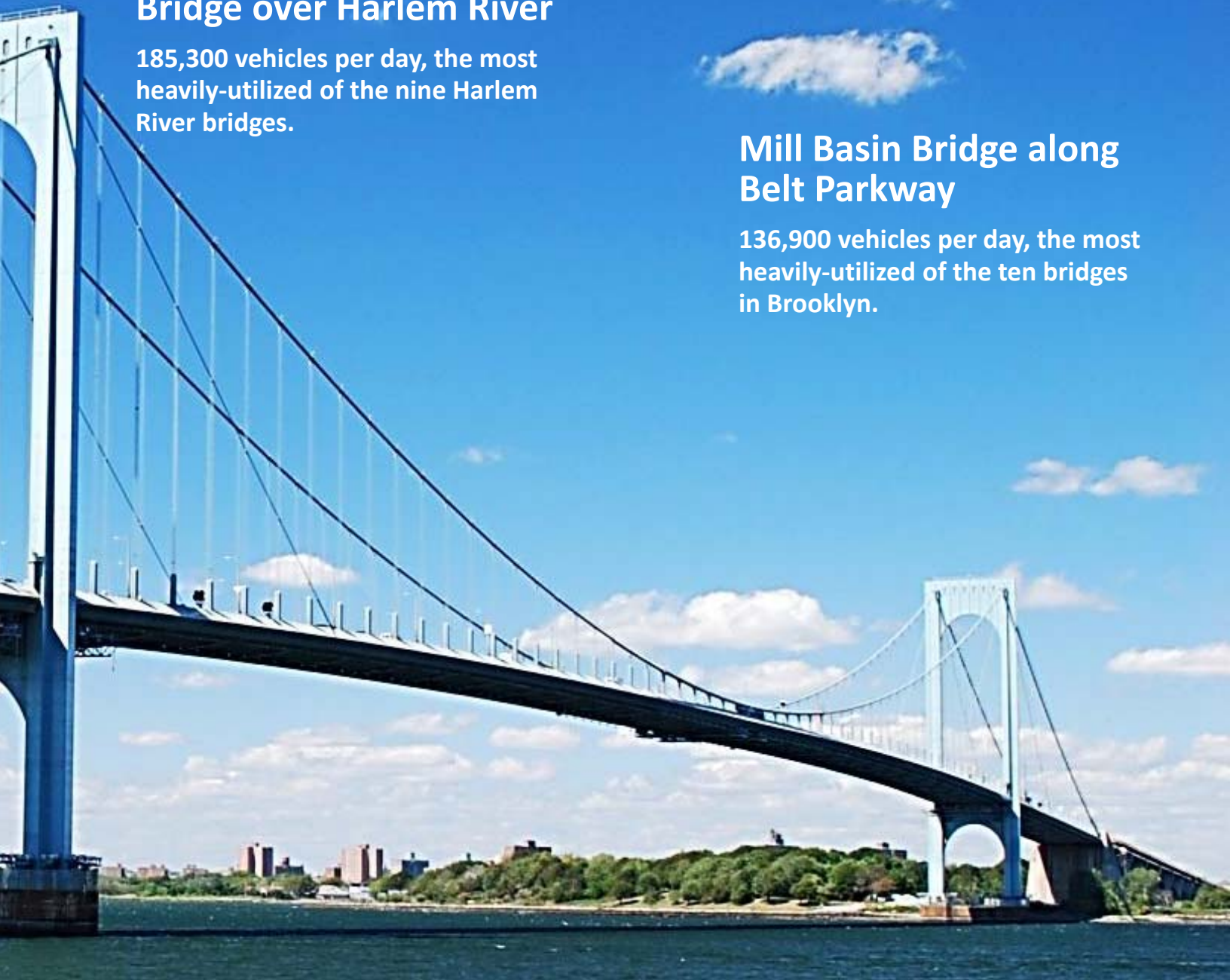


TABLE OF CONTENTS

	PAGE
INTRODUCTION	1
SUMMARY	5
2012 Volumes	7
Most Heavily-Used City-Operated Bridges in 2012	7
Major Increases	8
Major Decreases	8
Volume Comparisons 2012 vs. 2011	9
East River Bridges	13
Harlem River Bridges	14
Brooklyn-Queens Bridges	15
Bronx Bridges	16
Brooklyn Bridges	17
Queens Bridges	18
Metropolitan Transportation Authority Bridges & Tunnels (MTABT)	
Manhattan Facilities	19
Outer Borough Bridges	20
Port Authority of New York & New Jersey (PANYNJ)	
Manhattan – New Jersey Facilities	21
Staten Island – New Jersey Bridges	22
10-YEAR TRENDS 2002 - 2012	23
Volume Comparisons 2012 vs. 2002	27
East River Bridges	31
Harlem River Bridges	32

	PAGE
Brooklyn-Queens Bridges	33
Bronx Bridges	34
Brooklyn Bridges	35
Queens Bridges	36
Metropolitan Transportation Authority Bridges & Tunnels (MTABT)	
Manhattan Facilities	37
Outer Borough Bridges	38
Port Authority of New York & New Jersey (PANYNJ)	
Manhattan – New Jersey Facilities	39
Staten Island – New Jersey Bridges	40
HISTORIC TRENDS	41
Average Daily Traffic Volumes 1948 - 2012	46
EAST RIVER BRIDGES	57
Map of East River Bridges Locations	58
Average Daily Traffic Volumes 1948 - 2012	59
Brooklyn Bridge	60
Ed Koch Queensboro Bridge	62
Manhattan Bridge	64
Williamsburg Bridge	66
HARLEM RIVER BRIDGES	69
Map of Harlem River Bridges Locations	71
Average Daily Traffic Volumes 1948 - 2012	72
Alexander Hamilton Bridge	74
Broadway Bridge	76

	PAGE
Macombs Dam Bridge	78
Madison Avenue Bridge	80
Third Avenue Bridge	82
University Heights Bridge	84
Washington Bridge	86
Willis Avenue Bridge	88
145th Street Bridge	90
BROOKLYN-QUEENS BRIDGES	93
Map of Brooklyn-Queens Bridges Locations	94
Average Daily Traffic Volumes 1948 - 2012	95
Grand Street Bridge	96
J.J. Byrne Memorial Bridge (Greenpoint Avenue Bridge)	98
Kosciuszko Bridge	100
Pulaski Bridge	102
BRONX BRIDGES	105
Map of Bronx Bridges Locations	107
Average Daily Traffic Volumes 1948 - 2012	108
City Island Bridge	110
East 174th Street Bridge	112
Eastchester Bridge	114
Eastern Boulevard Bridge	116
Hutchinson River Parkway Bridge	118
Pelham Bridge	120
Unionport Bridge	122

	PAGE
Westchester Avenue Bridge	124
BROOKLYN BRIDGES	127
Map of Brooklyn Bridges Locations	129
Average Daily Traffic Volumes 1948 - 2012	130
Carroll Street Bridge	132
Cropsey Avenue Bridge	134
Hamilton Avenue Bridge	136
Metropolitan Avenue Bridge	138
Mill Basin Bridge	140
Ninth Street Bridge	142
Stillwell Avenue Bridge	144
Third Avenue Bridge	146
Third Street Bridge	148
Union Street Bridge	150
QUEENS BRIDGES	153
Map of Queens Bridges Locations	155
Average Daily Traffic Volumes 1948 - 2012	156
Borden Avenue Bridge	158
Flushing Bridge	160
Hook Creek Bridge	162
Hunters Point Bridge	164
Joseph P. Addabbo Memorial Bridge (North Channel Bridge)	166
Little Neck Bridge	168

	PAGE
Midtown Highway Bridge	170
Rikers Island Bridge	172
Roosevelt Avenue Bridge	174
Roosevelt Island Bridge	176
Whitestone Expressway Bridge	178
STATEN ISLAND BRIDGES	181
Map of Fresh Kills Bridge Location	182
Average Daily Traffic Volumes 1948 - 2012	183
Fresh Kills Bridge	184
METROPOLITAN TRANSPORTATION AUTHORITY FACILITIES	187
Map of MTABT Facilities Locations	189
Average Daily Traffic Volumes 1948 -2012	
Manhattan Facilities	190
Outer Borough Bridges	191
2012 Hourly Volumes	
Manhattan Facilities	192
Outer Borough Bridges	193
Hugh L. Carey Tunnel (Brooklyn-Battery Tunnel)	194
Queens-Midtown Tunnel	196
Henry Hudson Bridge	198
Robert F. Kennedy Memorial Bridge Manhattan Plaza	199
Bronx-Whitestone Bridge	200

	PAGE
Cross Bay Veterans Memorial Bridge	201
Marine Parkway Gil Hodges Memorial Bridge	202
Robert F. Kennedy Memorial Bridge Bronx Plaza	203
Throgs Neck Bridge	204
Verrazano-Narrows Bridge	205
PORT AUTHORITY OF NEW YORK AND NEW JERSEY FACILITIES	207
Map of PANYNJ Facilities Locations	209
Average Daily Traffic Volumes 1948 - 2012	
Manhattan – New Jersey Facilities	210
Staten Island – New Jersey Bridges	211
2012 Hourly Volumes	
Manhattan – New Jersey Facilities	212
Staten Island – New Jersey Bridges	213
George Washington Bridge	214
Holland Tunnel	216
Lincoln Tunnel	218
Bayonne Bridge	220
Goethals Bridge	222
Outerbridge Crossing	224
 APPENDIX -- 2012 Bridge and Tunnel Reconstruction	
Brooklyn Bridge	A - 1
Ed Koch Queensboro Bridge	A - 2

	PAGE
Manhattan Bridge	A - 3
Williamsburg Bridge	A - 5
Alexander Hamilton Bridge	A - 6
Broadway Bridge	A - 7
Willis Avenue Bridge	A - 7
145th Street Bridge	A - 7
Eastern Boulevard Bridge	A - 8
Hutchinson River Parkway Bridge	A - 8
Pelham Bridge	A - 8
Unionport Bridge	A - 9
Hamilton Avenue Bridge	A - 9
Mill Basin Bridge	A - 9
Flushing Bridge	A - 9
Joseph P. Addabbo Bridge (North Channel Bridge)	A - 9
Roosevelt Island Bridge	A - 9
Whitestone Expressway Bridge	A - 10
Henry Hudson Bridge	A - 10
Hugh L. Carey Tunnel (Brooklyn-Battery Tunnel)	A - 10
Queens-Midtown Tunnel	A - 11
Robert F. Kennedy Memorial Bridge (Triborough Bridge)	A - 11
Bronx-Whitestone Bridge	A - 11
Cross Bay Veterans Memorial Bridge	A - 12
Marine Parkway Gil Hodges Memorial Bridge	A - 13

	PAGE
Throgs Neck Bridge	A - 13
Verrazano-Narrows Bridge	A - 14
George Washington Bridge	A - 14
Holland Tunnel	A - 14
Lincoln Tunnel	A - 15
Bayonne Bridge	A - 15
Goethals Bridge	A - 15

Introduction



Pelham Bridge ~ Bronx

INTRODUCTION

The *2012 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 *2012 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 64 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



Broadway Bridge over the Harlem River between Manhattan and The Bronx

SUMMARY

2012 Volumes

- In 2012, daily traffic on the 47 bridges operated by the New York City Department of Transportation increased 1.3%, to 2,683,300 from 2,648,300 in 2011.
- Daily traffic on the four East River bridges increased 0.4%, to 480,300 in fall 2012 from 478,200 in fall 2011.
- Daily volume using the nine Harlem River bridges increased 0.5%, to 547,200 in fall 2012 from 544,600 in fall 2011.
- Daily traffic using the four bridges over Newtown Creek between Queens and Brooklyn increased 1.9%, to 272,100 in 2012 from 267,100 in 2011.
- On the eight bridges in The Bronx, daily traffic increased 0.1%, to 447,800 in 2012 from 447,200 in 2011.
- On the ten bridges in Brooklyn, daily traffic increased 1.5%, to 322,300 from 317,500.
- On the eleven bridges in Queens, daily traffic increased 4.3%, to 555,700 from 533,000.
- Daily traffic on the Fresh Kills Bridge in Staten Island decreased 4.4%, to 58,000 from 60,700.

Most Heavily Used City-Operated Bridges in 2012

- Whitestone Expressway Bridge over the Flushing River in Queens (204,900 vehicles per day).
- Kosciuszko Bridge over Newtown Creek between Brooklyn and Queens (196,200 vehicles per day).
- Alexander Hamilton Bridge over the Harlem River between Manhattan and The Bronx (185,300 vehicles per day).
- Ed Koch Queensboro Bridge over the East River between Manhattan and Queens (178,200 vehicles per day).
- Eastern Boulevard Bridge over the Bronx River in The Bronx (168,400 vehicles per day).
- Mill Basin Bridge along Belt Parkway in Brooklyn (136,900 vehicles per day).
- Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx (118,000 vehicles per day).
- Williamsburg Bridge over the East River between Manhattan and Brooklyn (112,700 vehicles per day).
- Brooklyn Bridge over the East River between Manhattan and Brooklyn (100,300 vehicles per day).

Major Increases

- Williamsburg Bridge over the East River between Manhattan and Brooklyn: up 9,100 daily vehicles, to 112,700 in 2012 from 103,600 in 2011 (+8.8%).
- Whitestone Expressway Bridge over the Flushing River in Queens: up 5,100 daily vehicles, to 204,900 in 2012 from 199,800 in 2011 (+2.6%).
- Borden Avenue Bridge over Dutch Kills in Queens: up 4,700 daily vehicles, to 13,400 in 2012 from 8,700 in 2011 (+54.0%). Volume continued to recover after the bridge was reopened following the reconstruction closure during 2009 and 2010.
- Washington Bridge over the Harlem River between Manhattan and The Bronx: up 4,600 daily vehicles, to 57,000 from 52,400 (+8.9%).
- Kosciuszko Bridge over Newtown Creek between Brooklyn and Queens: up 4,600 daily vehicles, to 196,200 from 191,600 (+2.4%).
- Willis Avenue Bridge over the Harlem River from Manhattan to The Bronx: up 4,400 daily vehicles, to 62,100 from 57,700 (+7.5%).
- Midtown Highway Bridge over Dutch Kills in Queens: up 4,000 daily vehicles, to 88,200 from 84,200 (+4.8%).

Major Decreases

- Eastern Boulevard Bridge along Bruckner Expressway over the Bronx River in The Bronx: down 6,600 daily vehicles, to 168,400 in 2012 from 175,000 in 2011 (-3.8%).
- Brooklyn Bridge over the East River between Manhattan and Brooklyn: down 5,500 daily vehicles, to 100,300 in 2012 from 105,800 in 2011 (-5.2%). The Brooklyn Bridge was closed to Manhattan-bound traffic during overnight hours in 2011 and 2012.
- Macombs Dam Bridge over the Harlem River between Manhattan and The Bronx: down 5,300 daily vehicles, to 39,000 from 44,300 (-11.9%).
- Ed Koch Queensboro Bridge over the East River between Manhattan and Queens: down 5,200 daily vehicles, to 178,200 from 183,400 (-2.8%).
- University Heights Bridge over the Harlem River between Manhattan and The Bronx: down 4,000 daily vehicles, to 39,600 from 43,600 (-9.1%).

2011-2012 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
Page 1 of 3

EAST RIVER BRIDGES	Highway Functional Classification	2011	2012	Percent Change
Brooklyn Bridge	Principal Arterial	105,820	100,288	- 5.2 %
Ed Koch Queensboro Bridge *	Principal Arterial	183,401	178,188	- 2.8 %
Manhattan Bridge	Principal Arterial	85,392	89,087	4.3 %
Williamsburg Bridge	Principal Arterial	103,590	112,696	8.8 %
Total, 4 East River Bridges		478,203	480,259	0.4 %
HARLEM RIVER BRIDGES				
Alexander Hamilton Bridge	Interstate	182,174	185,309	1.7 %
Broadway Bridge	Principal Arterial	35,770	35,411	- 1.0 %
Macombs Dam Bridge	Principal Arterial	44,311	39,020	- 11.9 %
Madison Avenue Bridge	Principal Arterial	41,423	41,782	0.9 %
Third Avenue Bridge	Principal Arterial	59,603	59,053	- 0.9 %
University Heights Bridge	Principal Arterial	43,601	39,641	- 9.1 %
Washington Bridge	Minor Arterial	52,373	57,011	8.9 %
Willis Avenue Bridge	Principal Arterial	57,710	62,062	7.5 %
145th Street Bridge	Minor Arterial	27,677	27,918	0.9 %
Total, 9 Harlem River Bridges		544,642	547,207	0.5 %
BROOKLYN-QUEENS BRIDGES				
Grand Street Bridge	Principal Arterial	12,320	12,595	2.2 %
J.J. Byrne Memorial Bridge **	Principal Arterial	25,709	26,379	2.6 %
Kosciuszko Bridge	Interstate	191,624	196,217	2.4 %
Pulaski Bridge	Principal Arterial	37,422	36,867	- 1.5 %
Total, 4 Brooklyn-Queens Bridges (Over Newtown Creek)		267,075	272,058	1.9 %
BRONX BRIDGES				
City Island Bridge	Minor Arterial	14,480	16,424	13.4 %
East 174th Street Bridge	Minor Arterial	15,940	15,534	- 2.5 %
Eastchester Bridge	Principal Arterial	21,292	21,483	0.9 %
Eastern Boulevard Bridge	Interstate	175,020	168,451	- 3.8 %
Hutchinson River Parkway Bridge	Principal Arterial	115,574	118,000	2.1 %
Pelham Bridge	Minor Arterial	16,966	17,668	4.1 %
Unionport Bridge	Principal Arterial	61,619	62,845	2.0 %
Westchester Avenue Bridge	Principal Arterial	26,287	27,408	4.3 %
Total, 8 Bronx Bridges		447,178	447,813	0.1 %

* Queensboro Bridge renamed April 11, 2011.

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

2011-2012 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
Page 2 of 3

BROOKLYN BRIDGES	Highway Functional Classification	2011	2012	Percent Change
Carroll Street Bridge	Local	992	1,136	14.5 %
Cropsey Avenue Bridge	Principal Arterial	31,643	34,998	10.6 %
Hamilton Avenue Bridge	Principal Arterial	54,663	55,797	2.1 %
Metropolitan Avenue Bridge	Principal Arterial	38,613	38,262	- 0.9 %
Mill Basin Bridge	Principal Arterial	139,835	136,875	- 2.1 %
Ninth Street Bridge	Minor Arterial	12,404	13,321	7.4 %
Stillwell Avenue Bridge	Principal Arterial	7,548	8,827	16.9 %
Third Avenue Bridge	Principal Arterial	17,895	17,432	- 2.6 %
Third Street Bridge	Minor Arterial	9,776	10,579	8.2 %
Union Street Bridge	Minor Arterial	4,147	5,032	21.3 %
Total, 10 Brooklyn Bridges		317,516	322,259	1.5 %

QUEENS BRIDGES

Borden Avenue Bridge	Minor Arterial	8,696	13,396	54.0 %
Flushing Bridge	Principal Arterial	52,173	54,518	4.5 %
Hook Creek Bridge	Principal Arterial	74,717	76,023	1.7 %
Hunters Point Bridge	Collector	8,722	8,116	- 6.9 %
Joseph P. Addabbo Bridge *	Principal Arterial	21,636	23,612	9.1 %
Little Neck Bridge	Principal Arterial	45,345	47,735	5.3 %
Midtown Highway Bridge	Interstate	84,148	88,184	4.8 %
Rikers Island Bridge	Collector	12,580	12,265	- 2.5 %
Roosevelt Avenue Bridge	Principal Arterial	16,084	17,439	8.4 %
Roosevelt Island Bridge	Collector	9,103	9,516	4.5 %
Whitestone Expwy Bridge	Interstate	199,803	204,909	2.6 %
Total, 11 Queens Bridges		533,007	555,713	4.3 %

STATEN ISLAND

Fresh Kills Bridge	Principal Arterial	60,678	58,026	- 4.4 %
--------------------	--------------------	--------	--------	---------

TOLL-FREE GRAND TOTALS		2,648,299	2,683,335	1.3 %
-------------------------------	--	------------------	------------------	--------------

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

2011-2012 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
Page 3 of 3

MTABT Manhattan Facilities	Highway Functional Classification	2011	2012	Percent Change
Henry Hudson Bridge	Principal Arterial	63,433	63,434	0.0 %
Hugh L. Carey Tunnel *	Interstate	54,481	54,299	- 0.3 %
Queens-Midtown Tunnel	Interstate	87,662	87,937	0.3 %
R.F.K. Memorial Bridge Manhattan Plaza **	Principal Arterial	88,717	90,956	2.5 %
Total, 4 MTABT Manhattan Crossings		294,293	296,626	0.8 %

PANYNJ Manhattan Facilities

George Washington Bridge	Interstate	279,896	276,648	- 1.2 %
Holland Tunnel	Interstate	93,560	92,743	- 0.9 %
Lincoln Tunnel	Principal Arterial	117,653	113,166	- 3.8 %
Total, 3 PANYNJ Manhattan - New Jersey Crossings		491,109	482,557	- 1.7 %

MTABT Outer Borough Bridges

Bronx-Whitestone Bridge	Interstate	100,666	105,718	5.0 %
Cross Bay Veterans Memorial Bridge	Minor Arterial	20,566	21,595	5.0 %
Marine Parkway Gil Hodges Memorial Bridge	Minor Arterial	21,812	21,290	- 2.4 %
R.F.K. Memorial Bridge Bronx Plaza **	Interstate	77,242	78,437	1.5 %
Throgs Neck Bridge	Interstate	111,384	108,858	- 2.3 %
Verrazano-Narrows Bridge	Interstate	194,758	193,100	- 0.9 %
Total, 6 MTABT Outer Borough Bridges		526,428	528,998	0.5 %

PANYNJ Staten Island Bridges

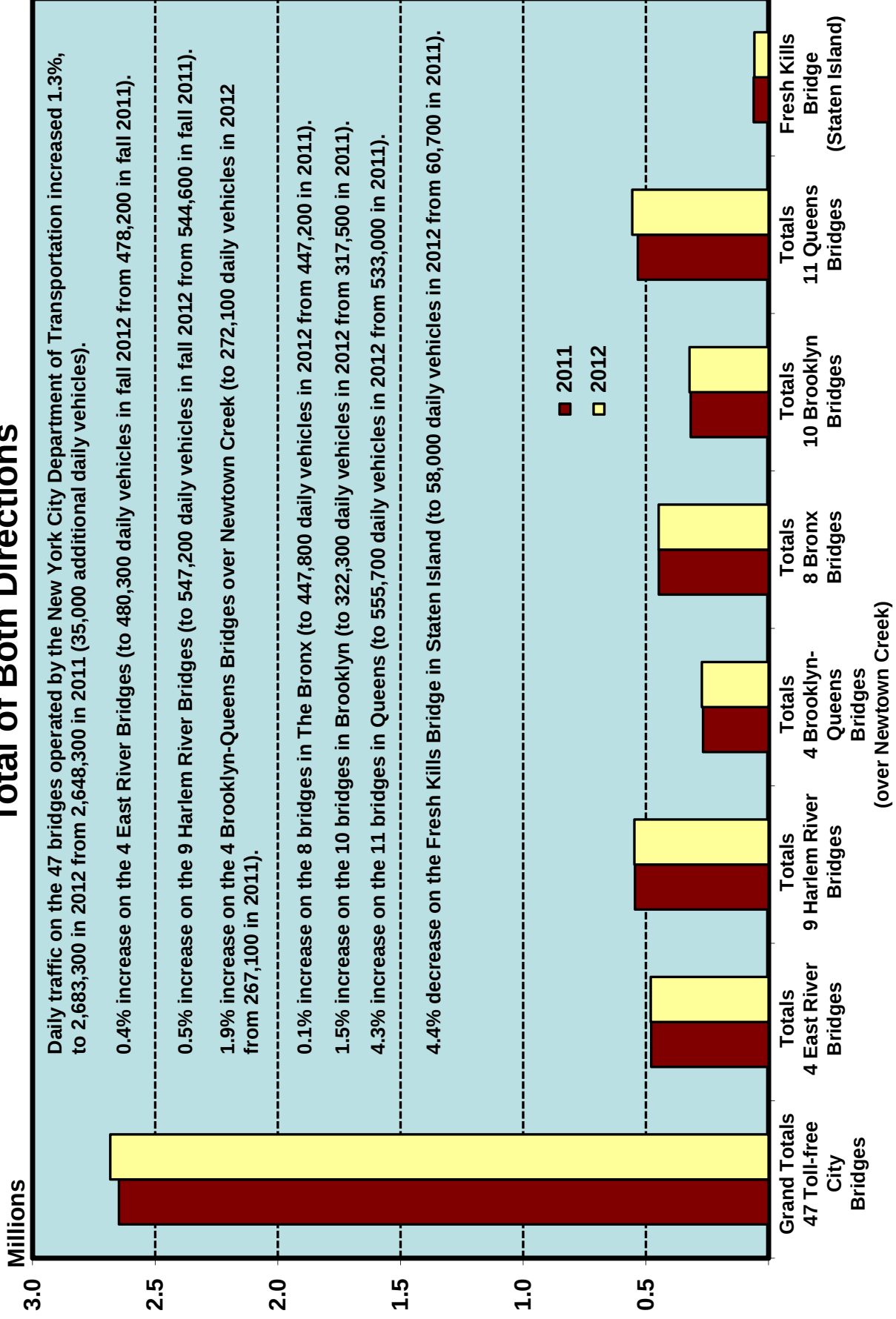
Bayonne Bridge	Principal Arterial	18,665	18,755	0.5 %
Goethals Bridge	Interstate	75,580	73,135	- 3.2 %
Outerbridge Crossing	Principal Arterial	75,291	71,816	- 4.6 %
Total, 3 PANYNJ Staten Island - New Jersey Bridges		169,536	163,706	- 3.4 %

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

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

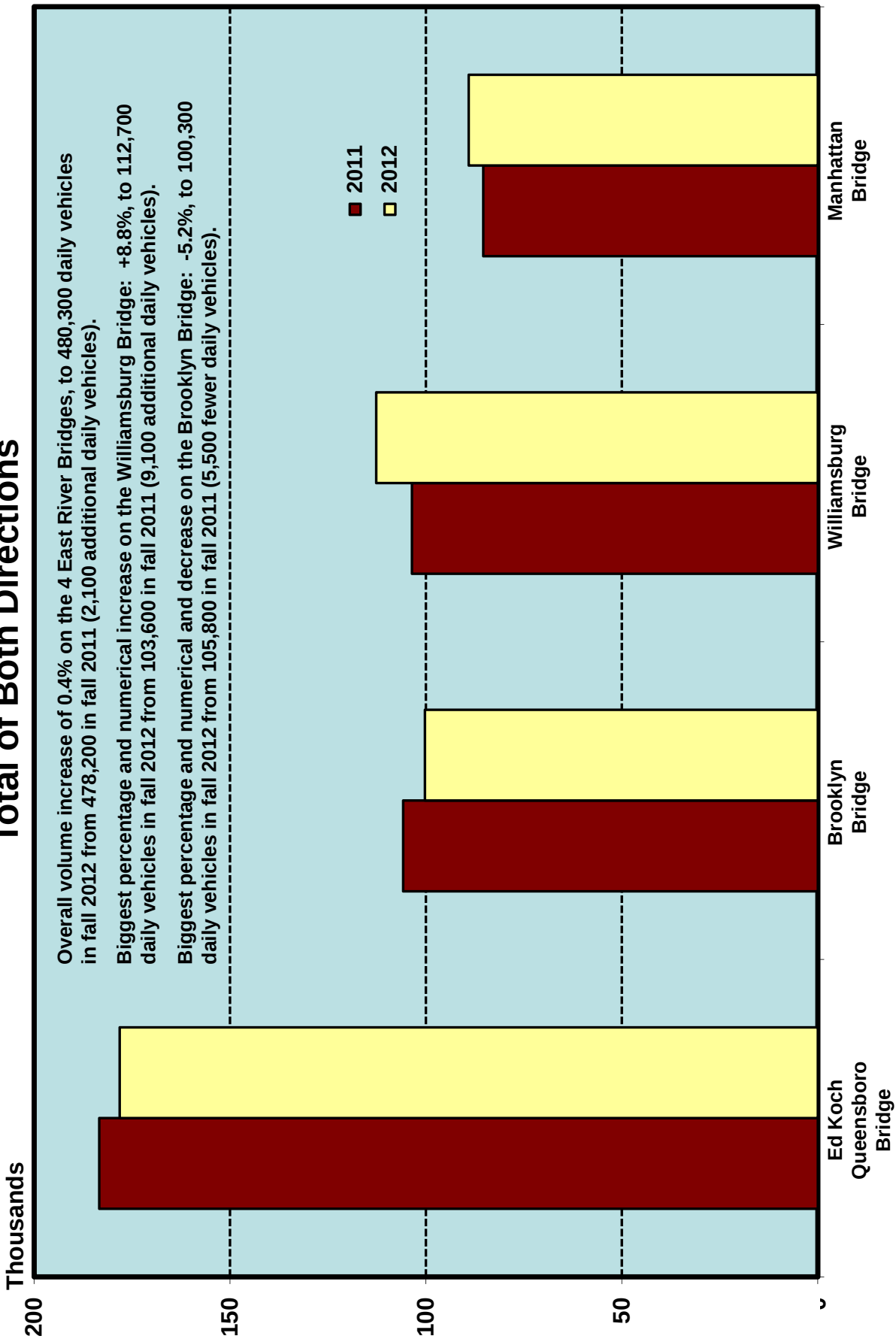
New York City Toll-free Bridges Daily Volumes 2012 vs. 2011

Total of Both Directions



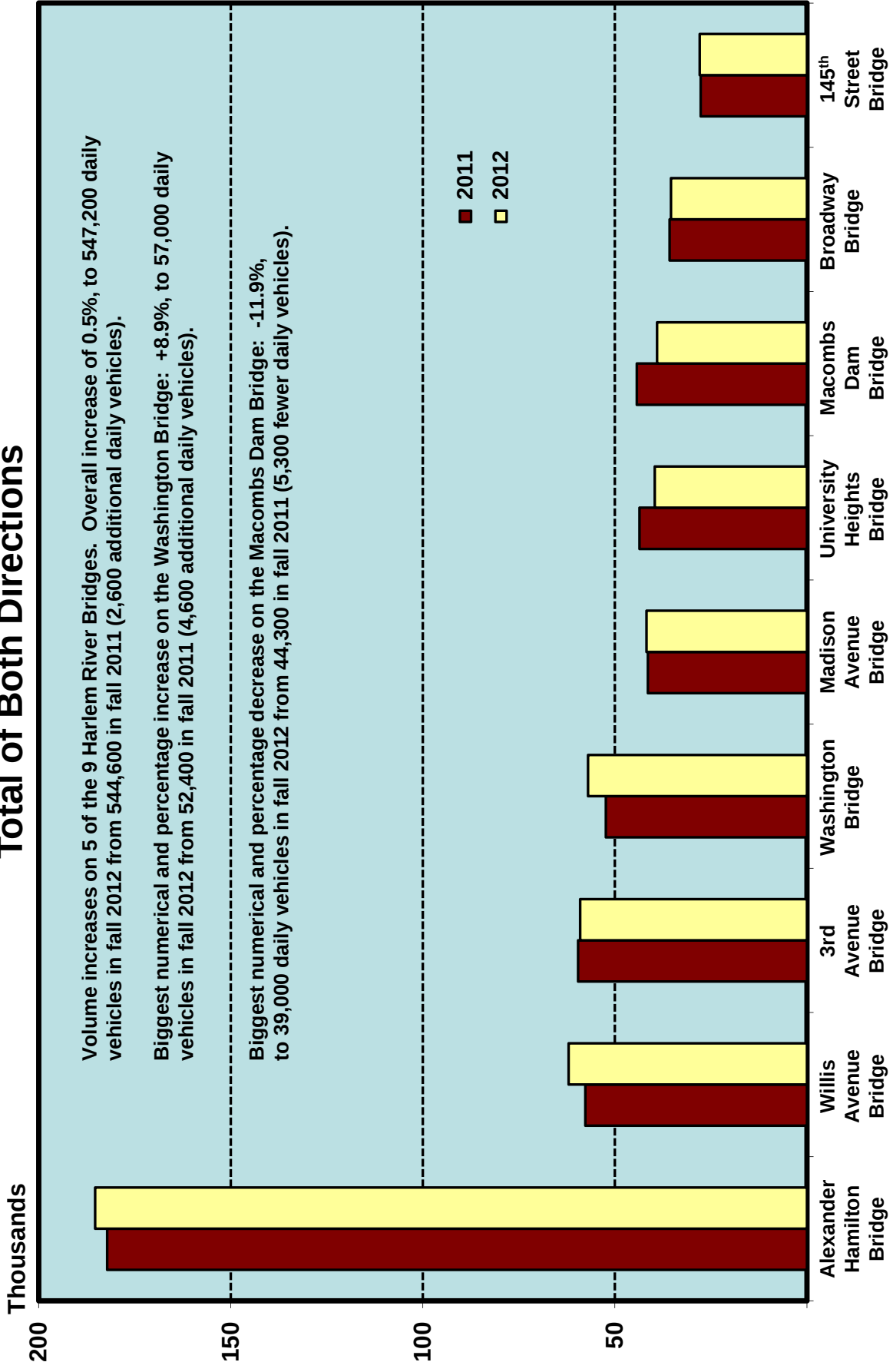
East River Bridges Daily Volumes 2012 vs. 2011

Total of Both Directions

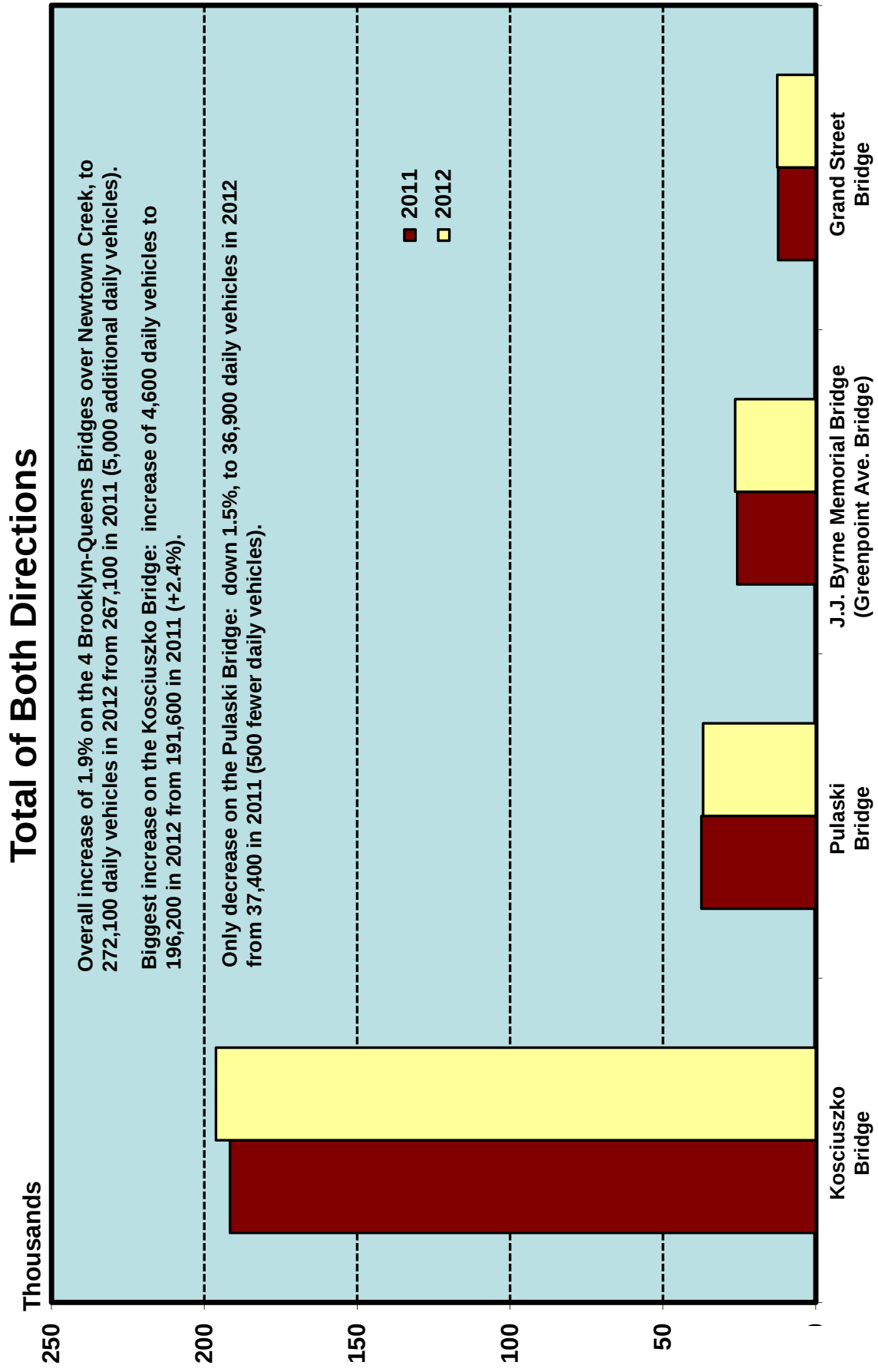


Harlem River Bridges Daily Volumes 2012 vs. 2011

Total of Both Directions

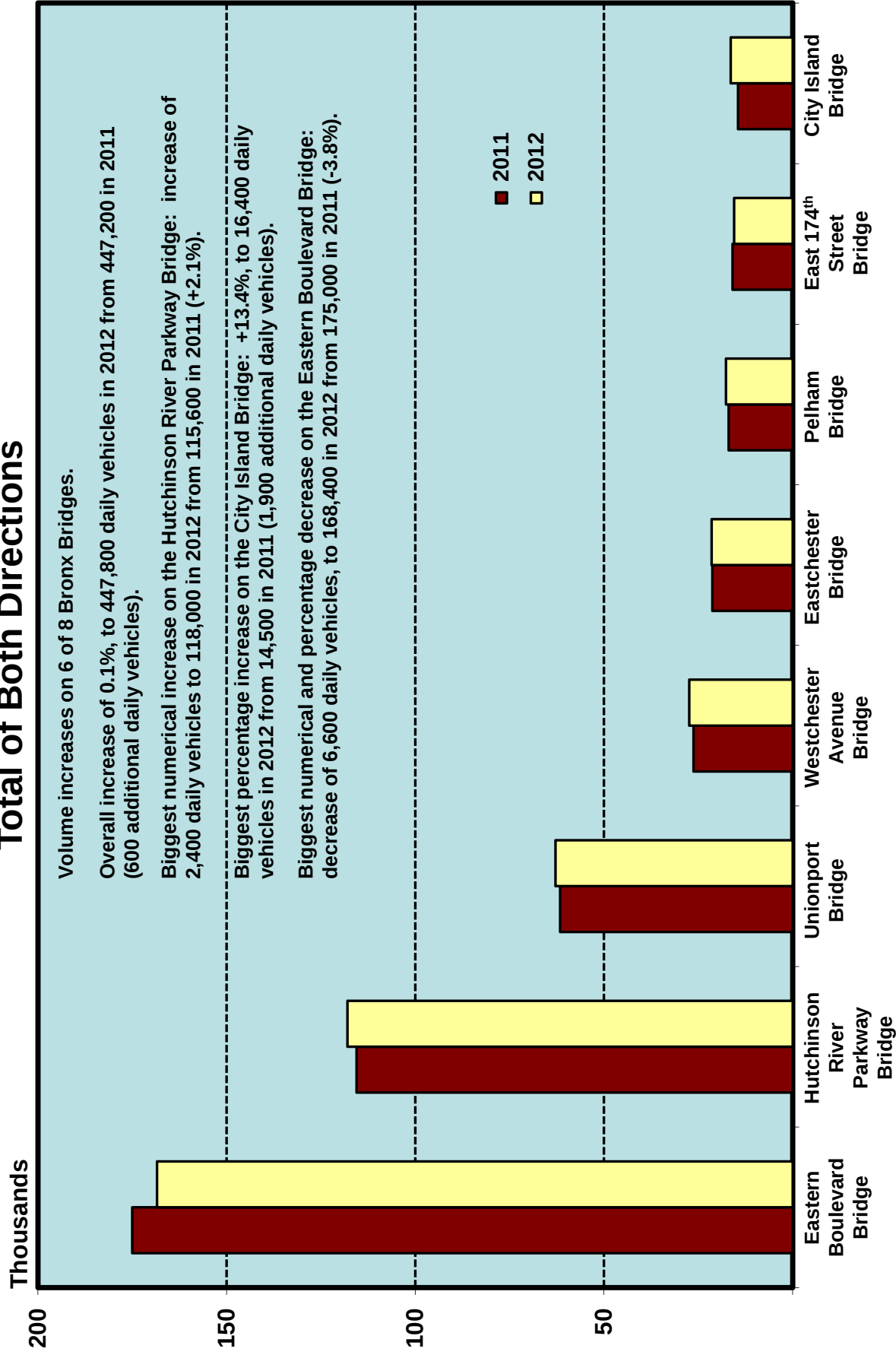


Brooklyn-Queens (Newtown Creek) Bridges Daily Volumes 2012 vs. 2011



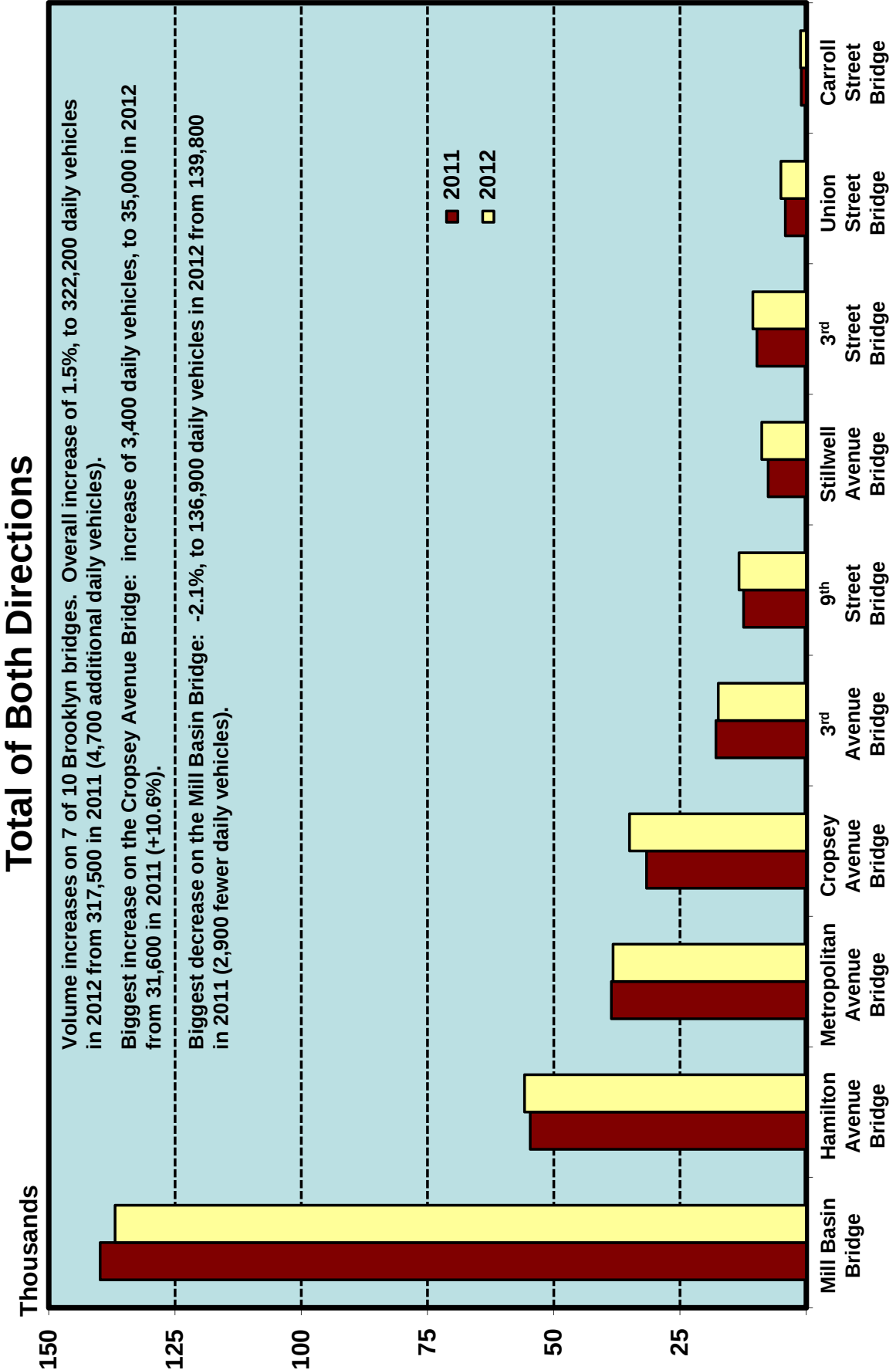
Bronx Bridges Daily Volumes 2012 vs. 2011

Total of Both Directions



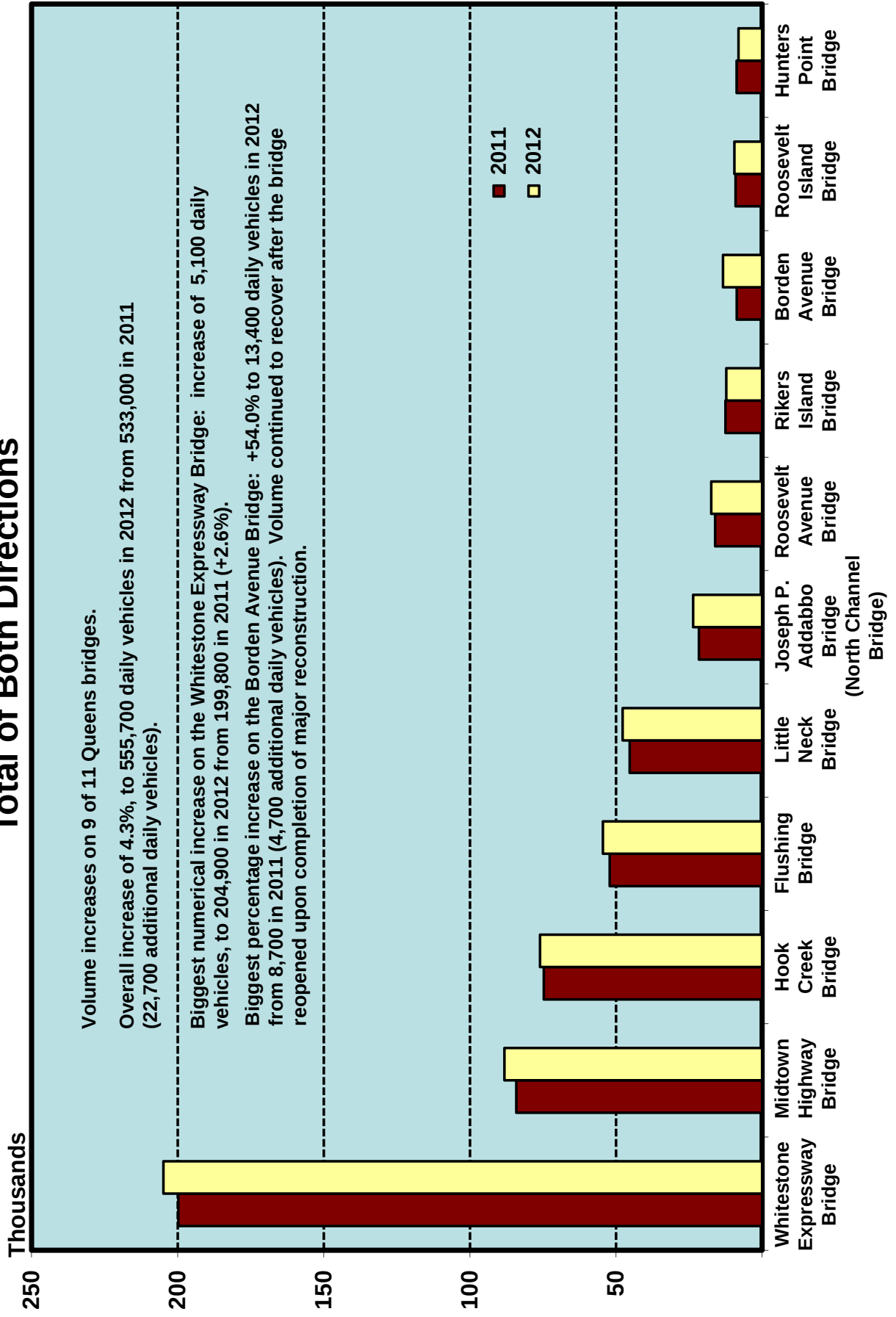
Brooklyn Bridges Daily Volumes

2012 vs. 2011

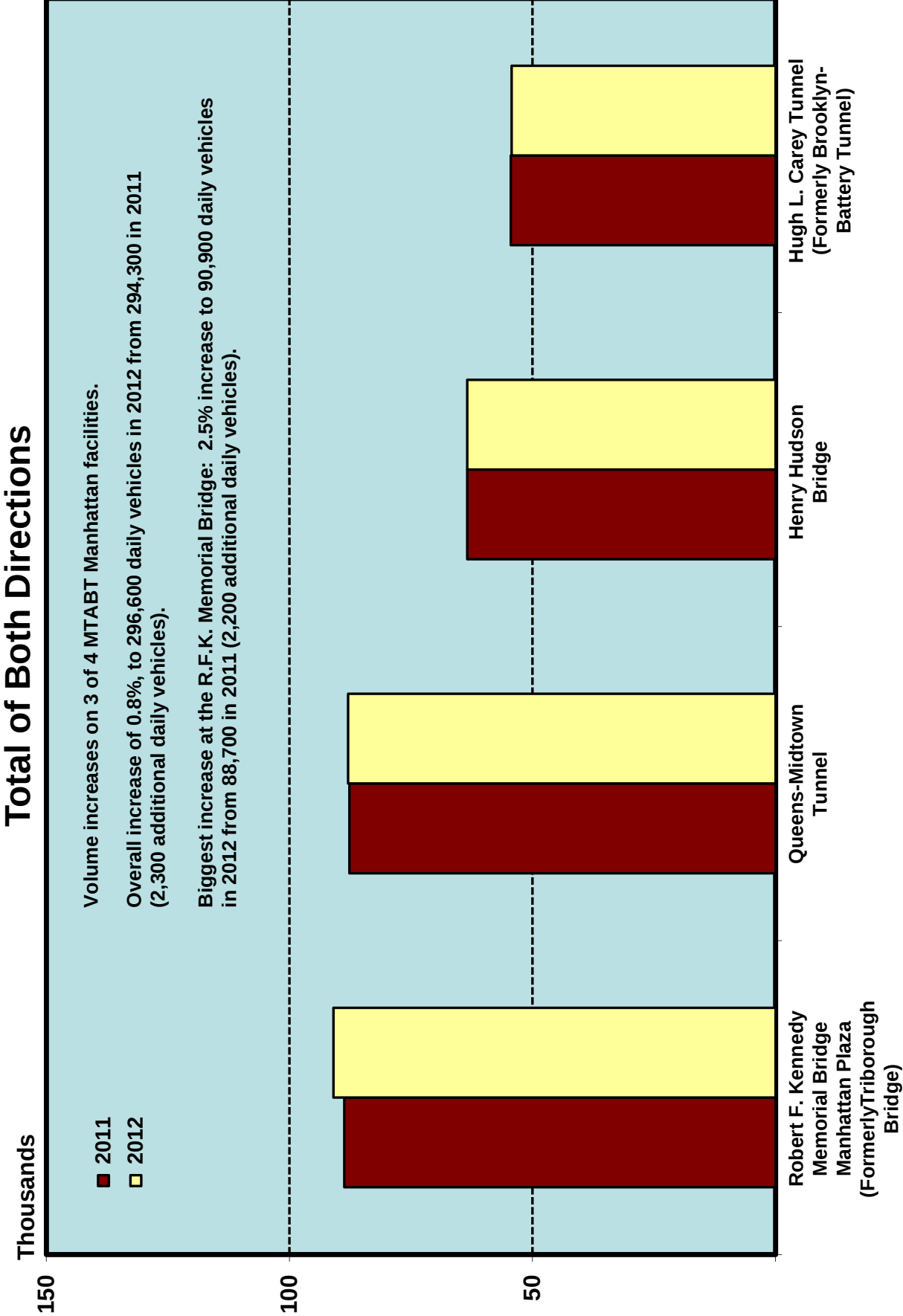


Queens Bridges Daily Volumes 2012 vs. 2011

Total of Both Directions

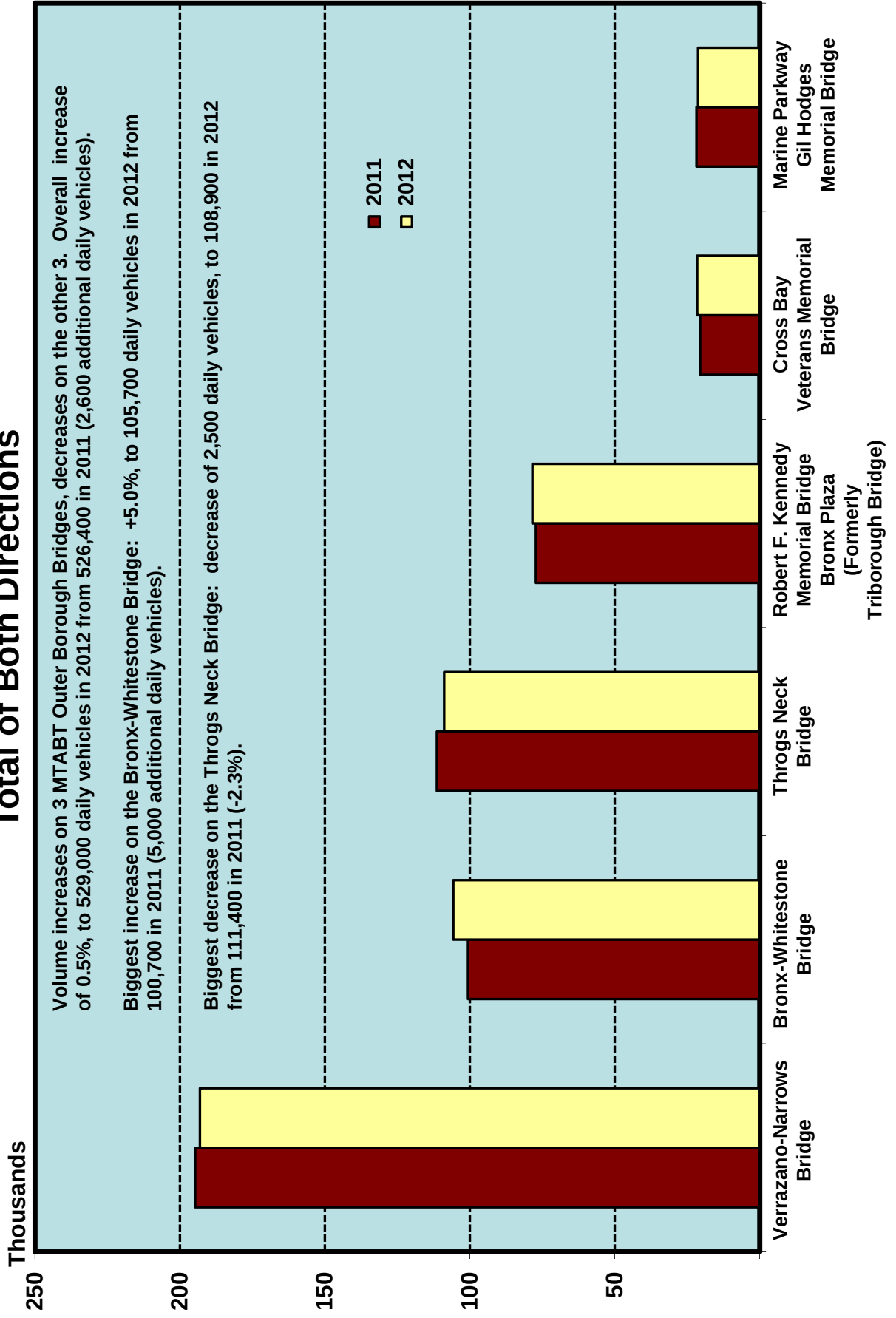


Metropolitan Transportation Authority Bridges & Tunnels (MTABT) Manhattan Facilities Daily Volumes 2012 vs. 2011



Metropolitan Transportation Authority Bridges & Tunnels (MTABT) Outer Borough Bridges Daily Volumes 2012 vs. 2011

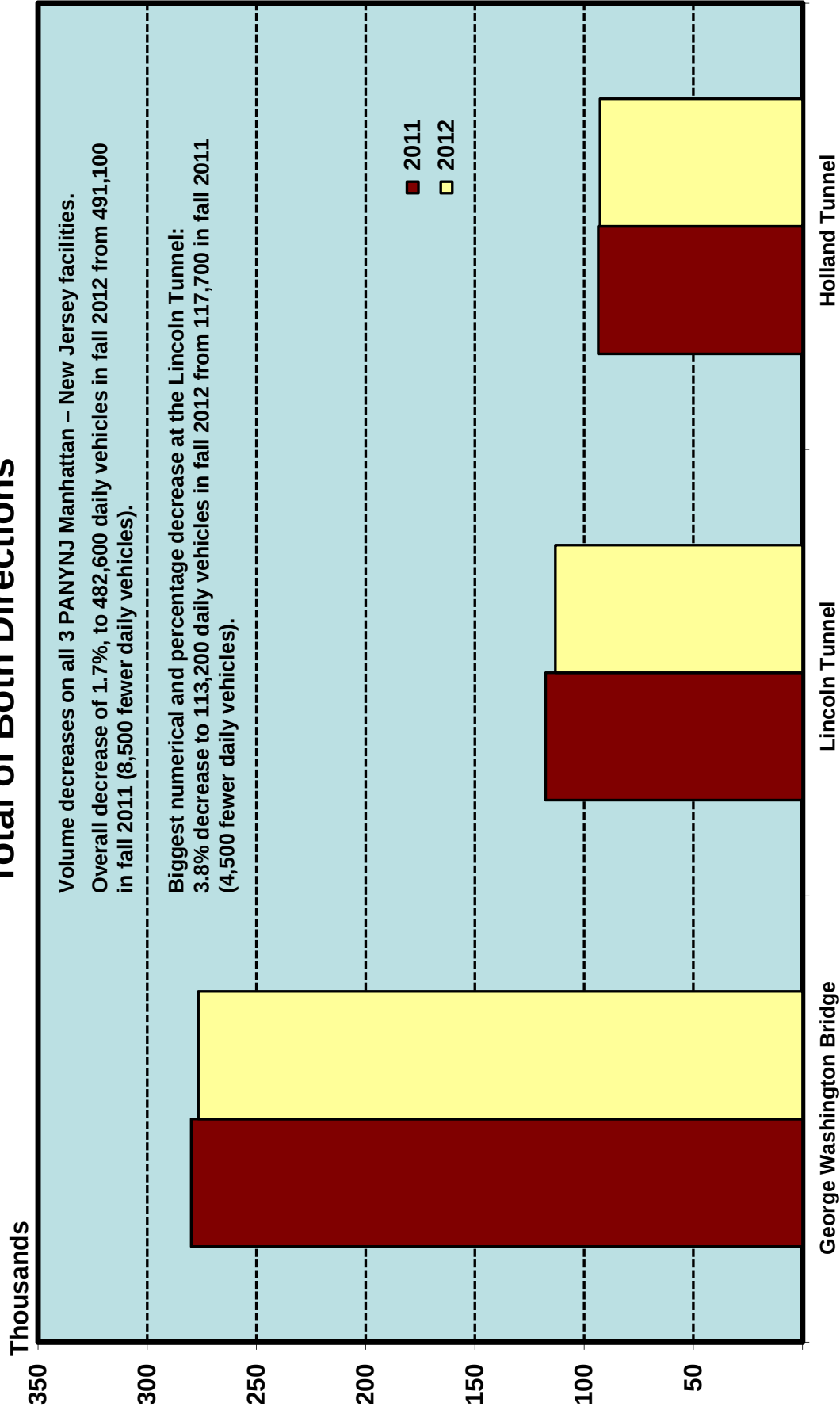
Total of Both Directions



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

2012 vs. 2011

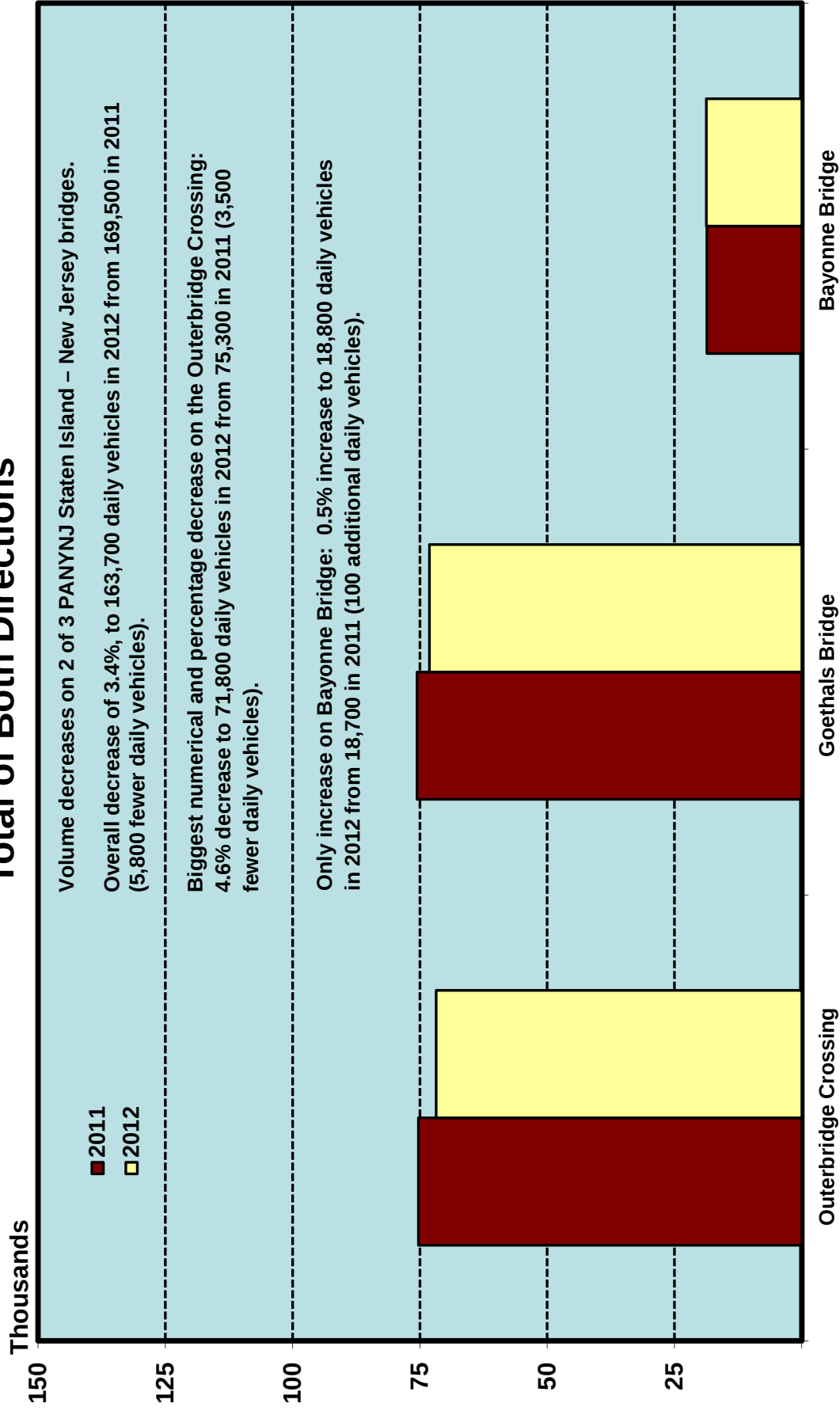
Total of Both Directions



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

2012 vs. 2011

Total of Both Directions



Ten-Year Trends 2002 - 2012



Hamilton Avenue Bridge in Brooklyn

Ten-Year Trends: 2002 - 2012

From 2002 to 2012, total traffic on the 47 City-operated bridges increased 0.6%, to 2,683,300 daily vehicles in 2012 from 2,667,200 in 2002.

East River Bridges

- Total traffic on the four East River Bridges increased 2.8%, to 480,300 daily vehicles in 2012 from 467,100 in 2002 (13,200 additional daily vehicles).
- Volumes increased on three of the four East River Bridges.
- Biggest percentage and numerical increase on the Manhattan Bridge: +34.7%, to 89,100 daily vehicles in fall 2012 from 66,200 in fall 2002 (22,900 additional daily vehicles). Much of this increase was due to diversion from the nearby Brooklyn Bridge which was closed to Manhattan-bound traffic on weeknights between 10pm and 6am in 2012.
- Only decrease recorded on the Brooklyn Bridge: -17.2%, to 100,300 daily vehicles in fall 2012 from 121,100 in fall 2002 (20,800 fewer daily vehicles). In 2012, the Brooklyn Bridge was closed to Manhattan-bound traffic on weeknights between 10pm and 6am.

Harlem River Bridges

- Total traffic on the nine Harlem River Bridges decreased 0.8%, to 547,200 daily vehicles in 2012 from 551,800 in 2002 (4,600 fewer daily vehicles).
- Volumes decreased on six of the nine Harlem River bridges.
- Biggest percentage decrease on the 145th Street Bridge: -22.0%, to 27,900 daily vehicles in 2012 from 35,800 in 2002 (7,900 fewer daily vehicles).
- Biggest numerical decrease on the Willis Avenue Bridge: decrease of 11,300 daily vehicles, to 62,100 in 2012 from 73,400 in 2002 (-15.5%).
- Biggest percentage and numerical increase on the Macombs Dam Bridge: +106.7%, to 39,000 daily vehicles in 2012 from 18,900 in 2002 (20,100 additional daily vehicles). Capacity had been reduced during 2002 as one of two lanes in both directions was closed round-the-clock for reconstruction until April 5, 2003.

Brooklyn-Queens Bridges

- Total traffic on the four bridges over Newtown Creek between Brooklyn and Queens increased 3.8%, to 272,000 daily vehicles in 2012 from 262,100 in 2002 (9,900 additional daily vehicles).
- Biggest percentage and numerical increase on the Kosciuszko Bridge along the Brooklyn-Queens Expressway: +6.4% to 196,200 daily vehicles in 2012 from 184,400 in 2002 (11,800 additional daily vehicles).
- Biggest percentage and numerical decrease on the Pulaski Bridge: -3.9%, to 36,900 daily vehicles in 2012 from 38,300 in 2002 (1,400 fewer daily vehicles).

Bronx Bridges

- Total traffic on the eight bridges in The Bronx increased 2.4%, to 447,800 daily vehicles in 2012 from 437,400 in 2002 (10,400 additional daily vehicles).
- Volumes Increased on four of the bridges in The Bronx; and decreased on the other four.
- Biggest numerical and percentage increase on the Unionport Bridge: +22.4% to 62,800 daily vehicles in 2012 from 51,300 in 2002 (11,500 additional daily vehicles).

- Biggest percentage decrease on the Westchester Avenue Bridge: -7.3%, to 27,400 daily vehicles in 2012 from 29,500 in 2002 (2,100 fewer daily vehicles).
- Biggest numerical decrease on the Eastern Boulevard Bridge: decrease of 10,500 daily vehicles, to 168,500 in 2012 from 179,000 in 2002 (-5.9%).

Brooklyn Bridges

- Total traffic on the ten bridges in Brooklyn decreased 2.3%, to 322,200 daily vehicles in 2012 from 329,700 in 2002 (7,500 fewer daily vehicles).
- Volumes decreased on six of the ten bridges in Brooklyn, and increased on the other four.
- Biggest numerical decrease on the Mill Basin Bridge along Belt Parkway: decrease of 5,200 daily vehicles, to 136,900 in 2012 from 142,100 in 2002 (-3.7%).
- Biggest percentage decrease on the Third Avenue Bridge: -15.1%, to 17,400 daily vehicles in 2012 from 20,500 in 2002 (3,100 fewer daily vehicles).
- Biggest numerical and percentage increase on the 9th Street Bridge: +58.6% to 13,300 daily vehicles in 2012 from 8,400 in 2002 (4,900 additional daily vehicles). In 2002, volumes on this bridge were still not fully recovered from the earlier 4-year closure during 1995-1998.

Queens Bridges

- Total traffic on the eleven bridges in Queens increased 0.2%, to 555,700 daily vehicles in 2012 from 554,500 in 2002 (1,200 additional daily vehicles).
- Volumes increased on six of the eleven Queens bridges, and decreased on the other five.
- Biggest numerical decrease on the Little Neck Bridge: decrease of 10,800 daily vehicles, to 47,700 in 2012 from 58,500 in 2002 (-18.4%).
- Biggest percentage decrease on the Roosevelt Avenue Bridge: -21.6%, to 17,400 daily vehicles in 2012 from 22,200 in 2002 (4,800 fewer daily vehicles).
- Biggest numerical increase on the Whitestone Expressway Bridge: increase of 16,100 daily vehicles, to 204,900 in 2012 from 188,800 in 2002 (+8.6%).
- Biggest percentage increase on the Hook Creek Bridge: +8.7%, to 76,000 daily vehicles in 2012 from 70,000 in 2002 (6,000 additional vehicles).

Staten Island

- Total traffic on the Fresh Kills Bridge decreased 10.1%, to 58,000 daily vehicles in 2012 from 64,500 in 2002 (6,500 fewer daily vehicles).

10-Year Traffic Volume Trends ~ 2002-2012
N.Y.C. Bridges and Tunnels
Both Directions
Page 1 of 3

EAST RIVER BRIDGES	Highway Functional Classification	2002	2012	Percent Change
Brooklyn Bridge	Principal Arterial	121,145	100,288	- 17.2 %
Ed Koch Queensboro Bridge *	Principal Arterial	176,419	178,188	1.0 %
Manhattan Bridge	Principal Arterial	66,152	89,087	34.7 %
Williamsburg Bridge	Principal Arterial	103,364	112,696	9.0 %
Total, 4 East River Bridges		467,080	480,259	2.8 %

HARLEM RIVER BRIDGES

Alexander Hamilton Bridge	Interstate	168,079	185,309	10.3 %
Broadway Bridge	Principal Arterial	38,287	35,411	- 7.5 %
Macombs Dam Bridge	Principal Arterial	18,878	39,020	106.7 %
Madison Avenue Bridge	Principal Arterial	49,487	41,782	- 15.6 %
Third Avenue Bridge	Principal Arterial	58,949	59,053	0.2 %
University Heights Bridge	Principal Arterial	45,311	39,641	- 12.5 %
Washington Bridge	Minor Arterial	63,609	57,011	- 10.4 %
Willis Avenue Bridge	Principal Arterial	73,435	62,062	- 15.5 %
145th Street Bridge	Minor Arterial	35,796	27,918	- 22.0 %
Total, 9 Harlem River Bridges		551,831	547,207	- 0.8 %

BROOKLYN-QUEENS BRIDGES

Grand Street Bridge	Principal Arterial	13,088	12,595	- 3.8 %
J.J. Byrne Memorial Bridge **	Principal Arterial	26,306	26,379	0.3 %
Kosciuszko Bridge	Interstate	184,379	196,217	6.4 %
Pulaski Bridge	Principal Arterial	38,348	36,867	- 3.9 %
Total, 4 Brooklyn-Queens Bridges (Over Newtown Creek)		262,121	272,058	3.8 %

BRONX BRIDGES

City Island Bridge	Minor Arterial	16,637	16,424	- 1.3 %
East 174th Street Bridge	Minor Arterial	12,786	15,534	21.5 %
Eastchester Bridge	Principal Arterial	22,255	21,483	- 3.5 %
Eastern Boulevard Bridge	Interstate	178,983	168,451	- 5.9 %
Hutchinson River Parkway Bridge	Principal Arterial	110,141	118,000	7.1 %
Pelham Bridge	Minor Arterial	15,663	17,668	12.8 %
Unionport Bridge	Principal Arterial	51,347	62,845	22.4 %
Westchester Avenue Bridge	Principal Arterial	29,551	27,408	- 7.3 %
Total, 8 Bronx Bridges		437,363	447,813	2.4 %

* Queensboro Bridge renamed April 11, 2011.

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

10-Year Traffic Volume Trends ~ 2002-2012
N.Y.C. Bridges and Tunnels
Both Directions
Page 2 of 3

BROOKLYN BRIDGES	Highway Functional Classification	2002	2012	Percent Change
Carroll Street Bridge	Local	1,248	1,136	- 9.0 %
Cropsey Avenue Bridge	Principal Arterial	33,325	34,998	5.0 %
Hamilton Avenue Bridge	Principal Arterial	60,075	55,797	- 7.1 %
Metropolitan Avenue Bridge	Principal Arterial	39,944	38,262	- 4.2 %
Mill Basin Bridge	Principal Arterial	142,105	136,875	- 3.7 %
Ninth Street Bridge	Minor Arterial	8,399	13,321	58.6 %
Stillwell Avenue Bridge	Principal Arterial	9,534	8,827	- 7.4 %
Third Avenue Bridge	Principal Arterial	20,538	17,432	- 15.1 %
Third Street Bridge	Minor Arterial	10,146	10,579	4.3 %
Union Street Bridge	Minor Arterial	4,435	5,032	13.5 %
Total, 10 Brooklyn Bridges		329,749	322,259	- 2.3 %

QUEENS BRIDGES

Borden Avenue Bridge	Minor Arterial	15,788	13,396	- 15.2 %
Flushing Bridge	Principal Arterial	64,301	54,518	- 15.2 %
Hook Creek Bridge	Principal Arterial	69,963	76,023	8.7 %
Hunters Point Bridge	Collector	7,822	8,116	3.8 %
Joseph P. Addabbo Bridge *	Principal Arterial	22,779	23,612	3.7 %
Little Neck Bridge	Principal Arterial	58,529	47,735	- 18.4 %
Midtown Highway Bridge	Interstate	81,392	88,184	8.3 %
Rikers Island Bridge	Collector	13,447	12,265	- 8.8 %
Roosevelt Avenue Bridge	Principal Arterial	22,235	17,439	- 21.6 %
Roosevelt Island Bridge	Collector	9,444	9,516	0.8 %
Whitestone Expwy Bridge	Interstate	188,758	204,909	8.6 %
Total, 11 Queens Bridges		554,458	555,713	0.2 %

STATEN ISLAND

Fresh Kills Bridge	Principal Arterial	64,563	58,026	- 10.1 %
--------------------	--------------------	--------	--------	----------

TOLL-FREE GRAND TOTALS	2,667,165	2,683,335	0.6 %
-------------------------------	------------------	------------------	--------------

* Also known as North Channel Bridge.

10-Year Traffic Volume Trends ~ 2002-2012
N.Y.C. Bridges and Tunnels
Both Directions
Page 3 of 3

MTABT Manhattan Facilities	Highway Functional Classification	2002	2012	Percent Change
Henry Hudson Bridge	Principal Arterial	70,731	63,434	- 10.3 %
Hugh L. Carey Tunnel *	Interstate	56,976	54,299	- 4.7 %
Queens-Midtown Tunnel	Interstate	82,834	87,937	6.2 %
R.F.K. Memorial Bridge Manhattan Plaza **	Principal Arterial	94,759	90,956	- 4.0 %
Total, 4 MTABT Manhattan Crossings		305,300	296,626	- 2.8 %

PANYNJ Manhattan Facilities

George Washington Bridge	Interstate	310,771	276,648	- 11.0 %
Holland Tunnel	Interstate	92,557	92,743	0.2 %
Lincoln Tunnel	Principal Arterial	129,511	113,166	- 12.6 %
Total, 3 PANYNJ Manhattan - New Jersey Crossings		532,839	482,557	- 9.4 %

MTABT Outer Borough Bridges

Bronx-Whitestone Bridge	Interstate	123,258	105,718	- 14.2 %
Cross Bay Veterans Memorial Bridge	Minor Arterial	20,010	21,595	7.9 %
Marine Parkway Gil Hodges Memorial Bridge	Minor Arterial	21,684	21,290	- 1.8 %
R.F.K. Memorial Bridge Bronx Plaza **	Interstate	72,259	78,437	8.5 %
Throgs Neck Bridge	Interstate	104,535	108,858	4.1 %
Verrazano-Narrows Bridge	Interstate	212,491	193,100	- 9.1 %
Total, 6 MTABT Outer Borough Bridges		554,237	528,998	- 4.6 %

PANYNJ Staten Island Bridges

Bayonne Bridge	Principal Arterial	21,327	18,755	- 12.1 %
Goethals Bridge	Interstate	81,384	73,135	- 10.1 %
Outerbridge Crossing	Principal Arterial	76,429	71,816	- 6.0 %
Total, 3 PANYNJ Staten Island - New Jersey Bridges		179,140	163,706	- 8.6 %

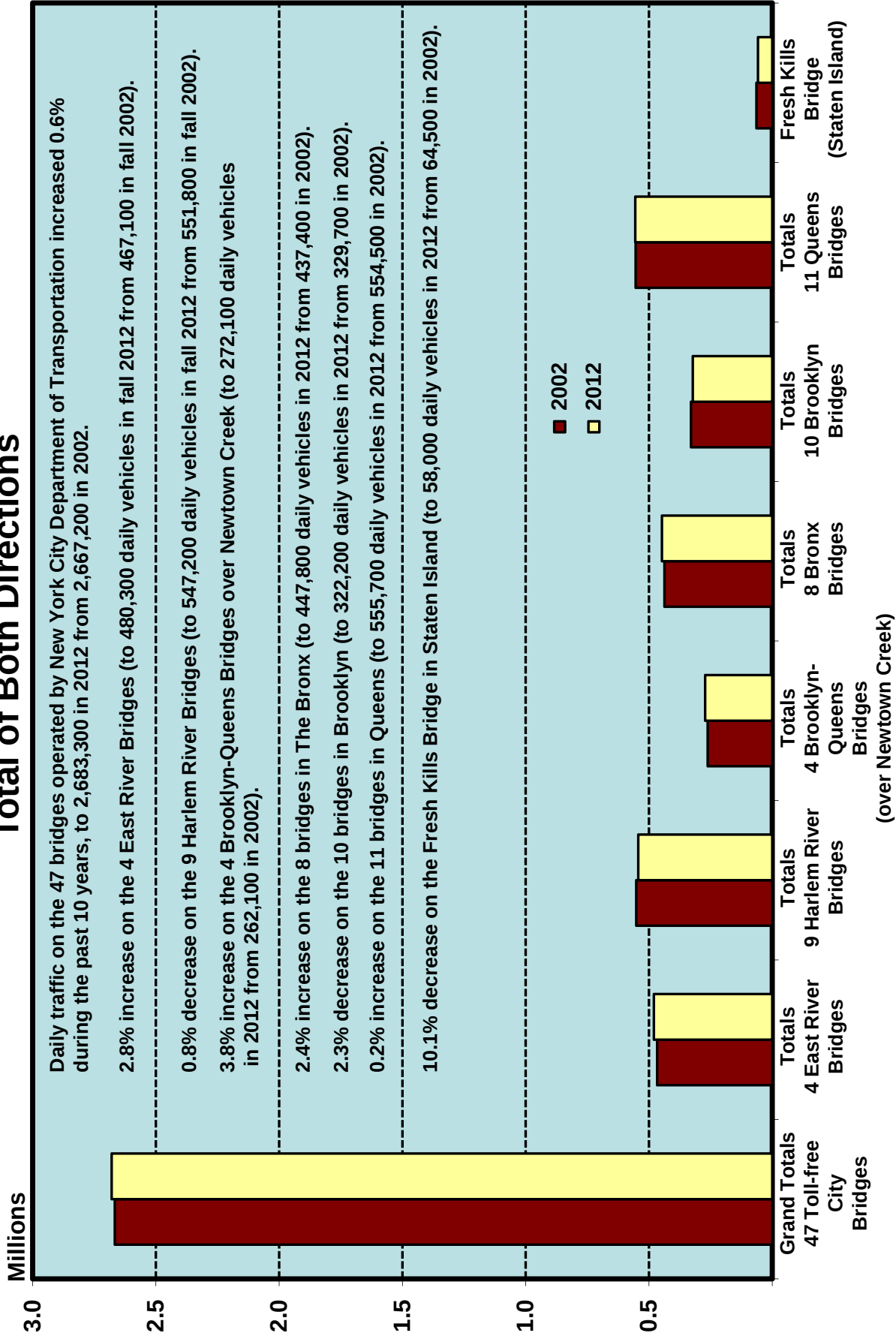
* Formerly Brooklyn-Battery Tunnel, renamed October 22, 2012.

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

10-Year Volume Changes ~ 2002 – 2012

New York City Toll-free Bridges Daily Volumes

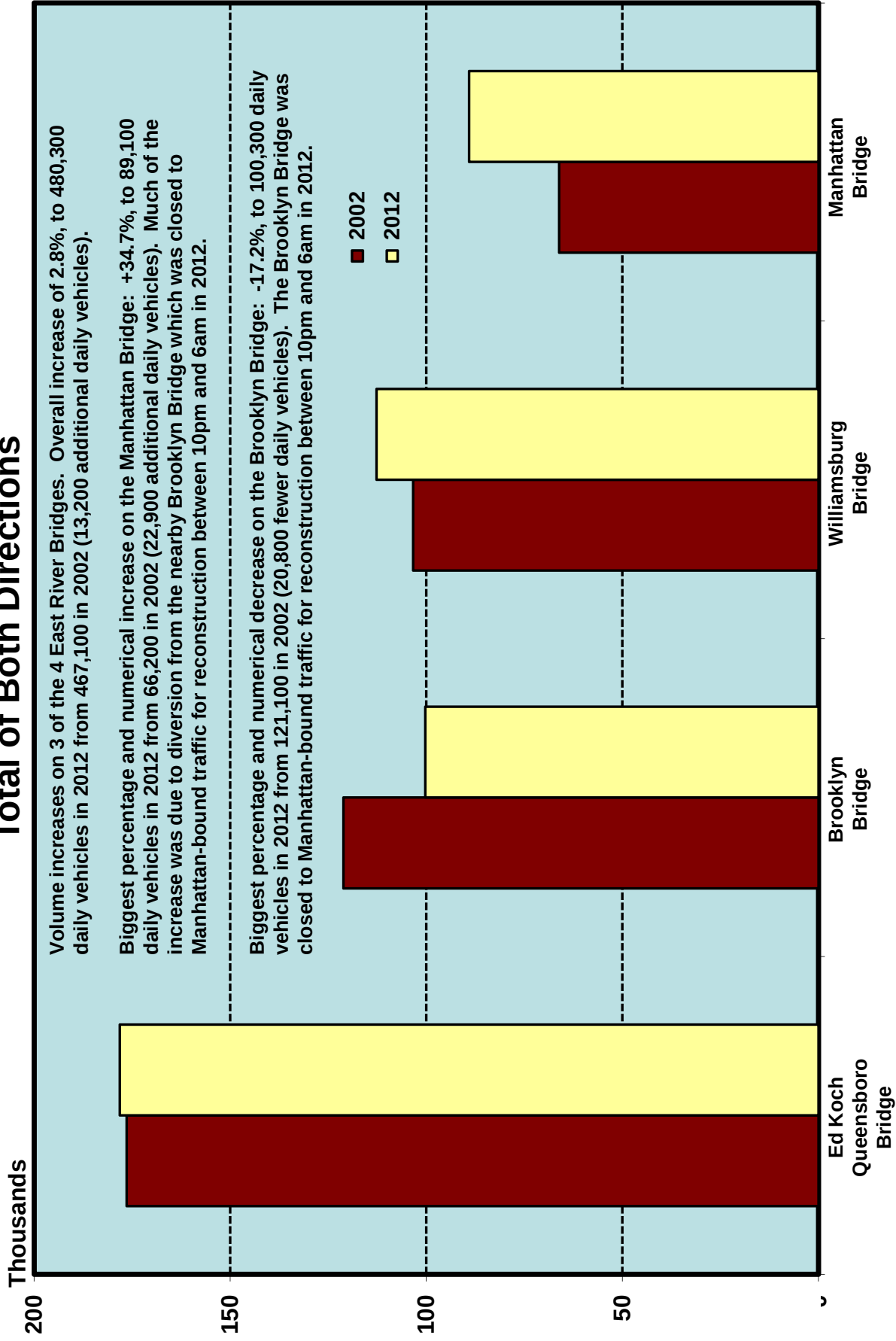
Total of Both Directions



10-Year Volume Changes ~ 2002 – 2012

East River Bridges Daily Volumes

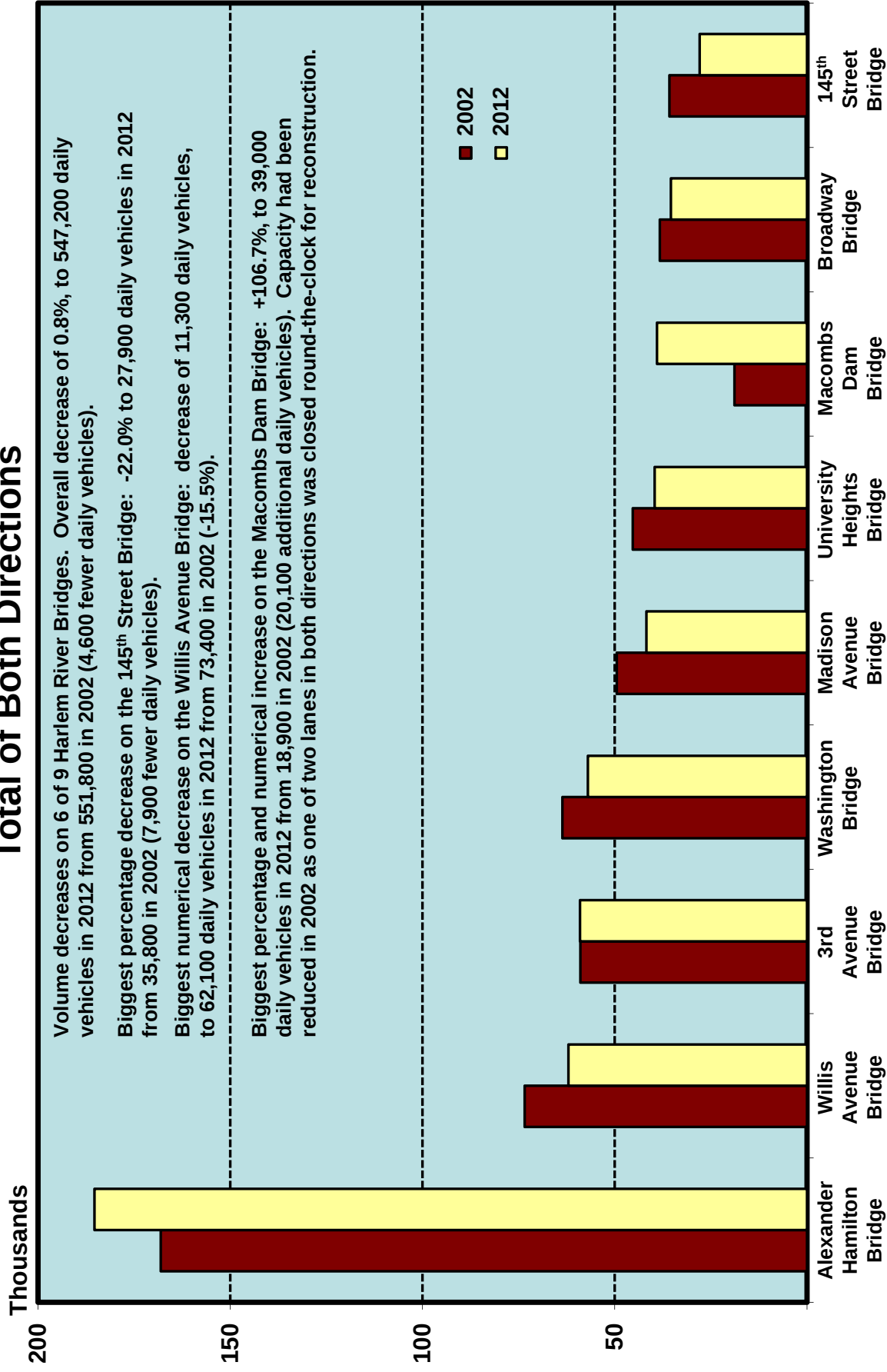
Total of Both Directions



10-Year Volume Changes ~ 2002 – 2012

Harlem River Bridges Daily Volumes

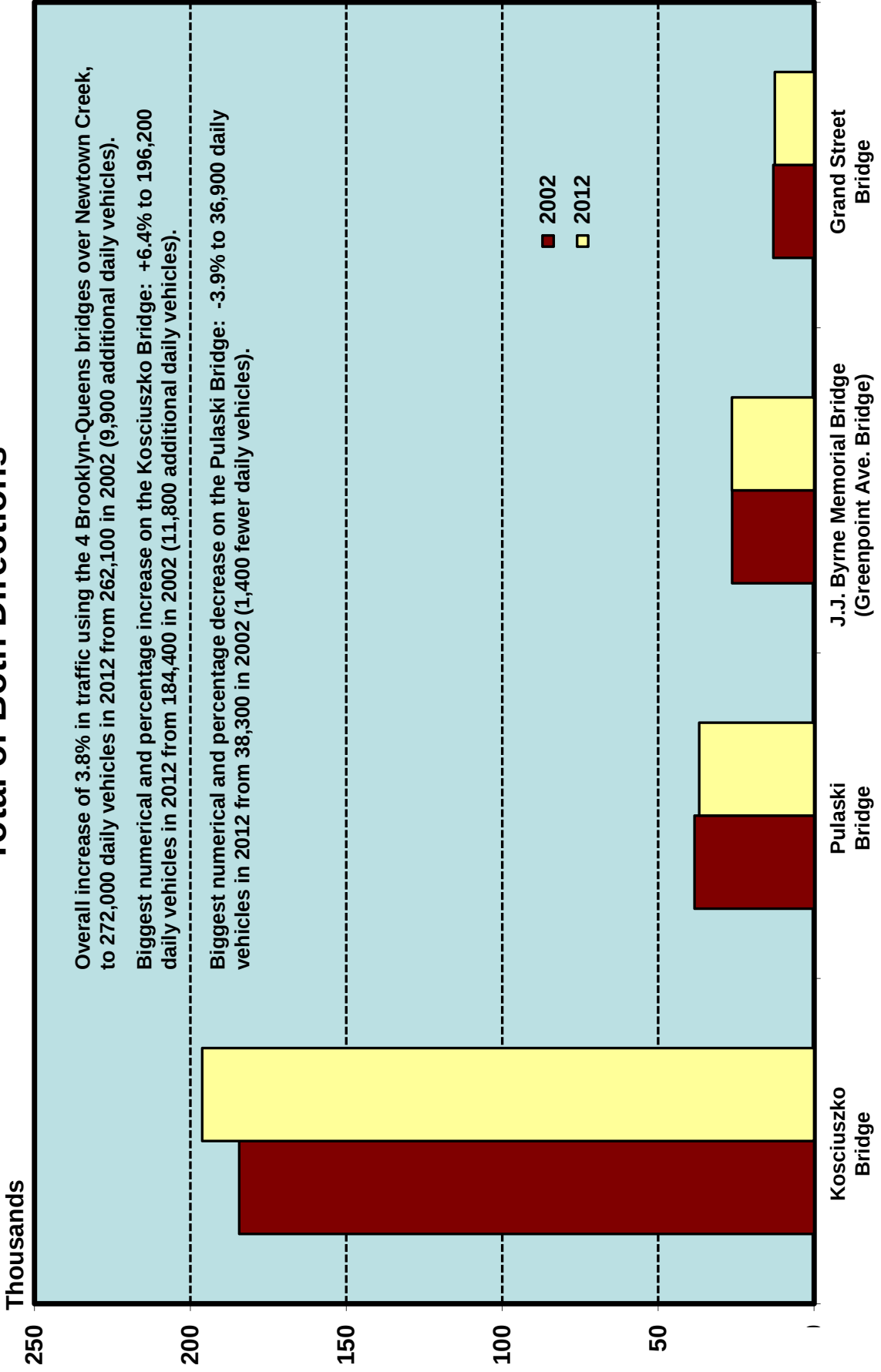
Total of Both Directions



10-Year Volume Changes ~ 2002 – 2012

Brooklyn-Queens (Newtown Creek) Bridges Daily Volumes

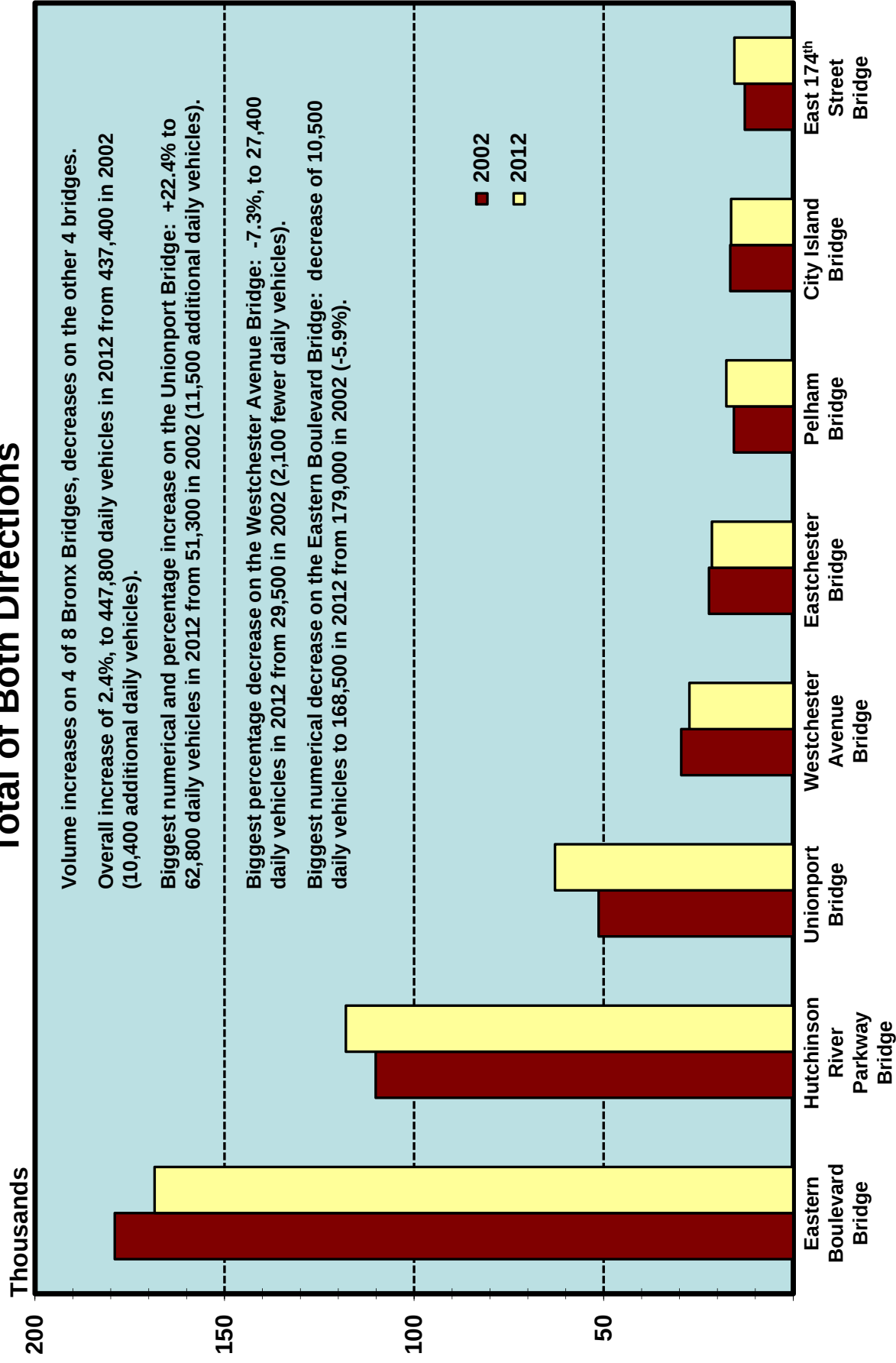
Total of Both Directions



10-Year Volume Changes ~ 2002 – 2012

Bronx Bridges Daily Volumes

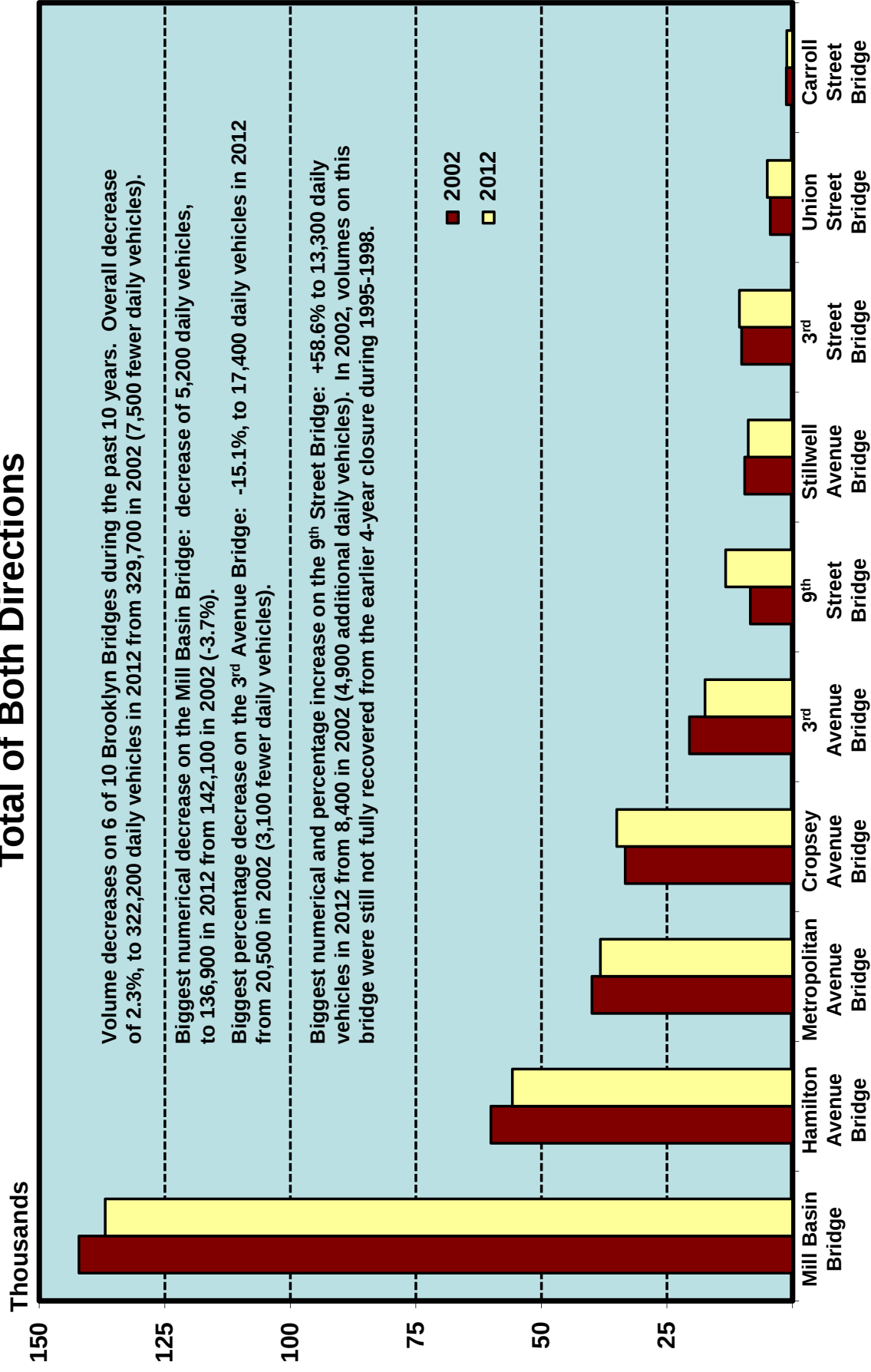
Total of Both Directions



10-Year Volume Changes ~ 2002 – 2012

Brooklyn Bridges Daily Volumes

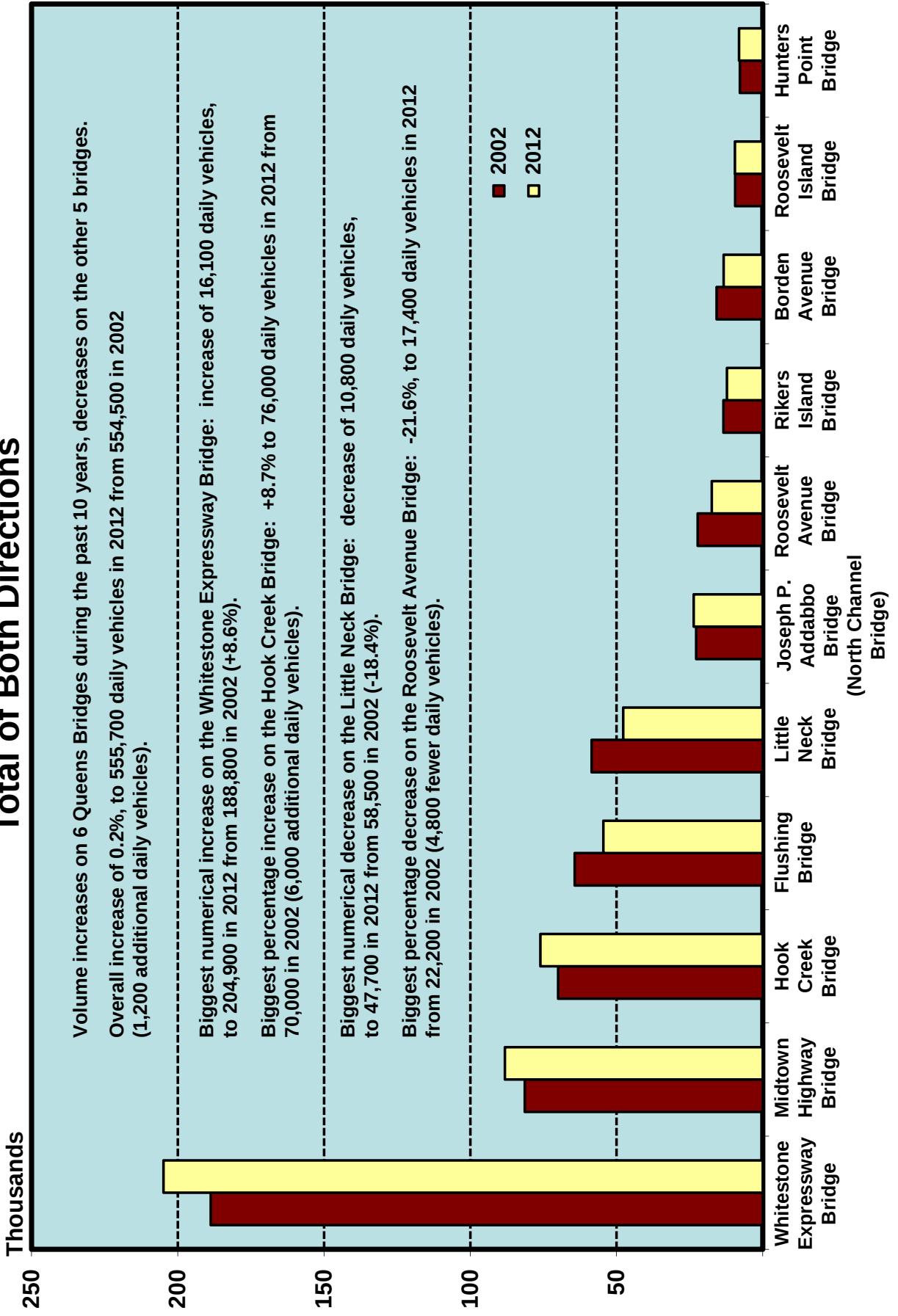
Total of Both Directions



10-Year Volume Changes ~ 2002 – 2012

Queens Bridges Daily Volumes

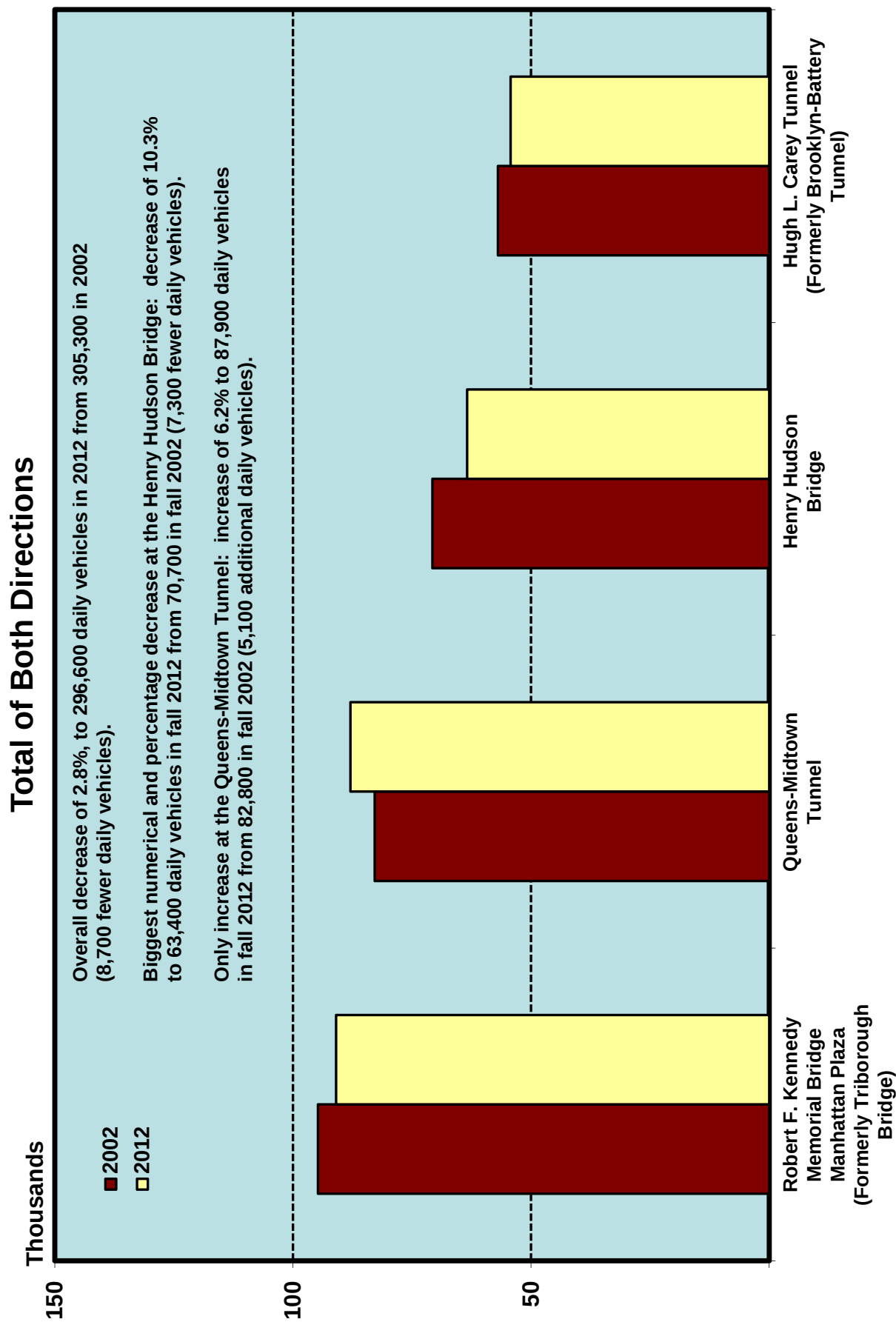
Total of Both Directions



10-Year Volume Changes ~ 2002 – 2012

Metropolitan Transportation Authority Bridges & Tunnels (MTABT)

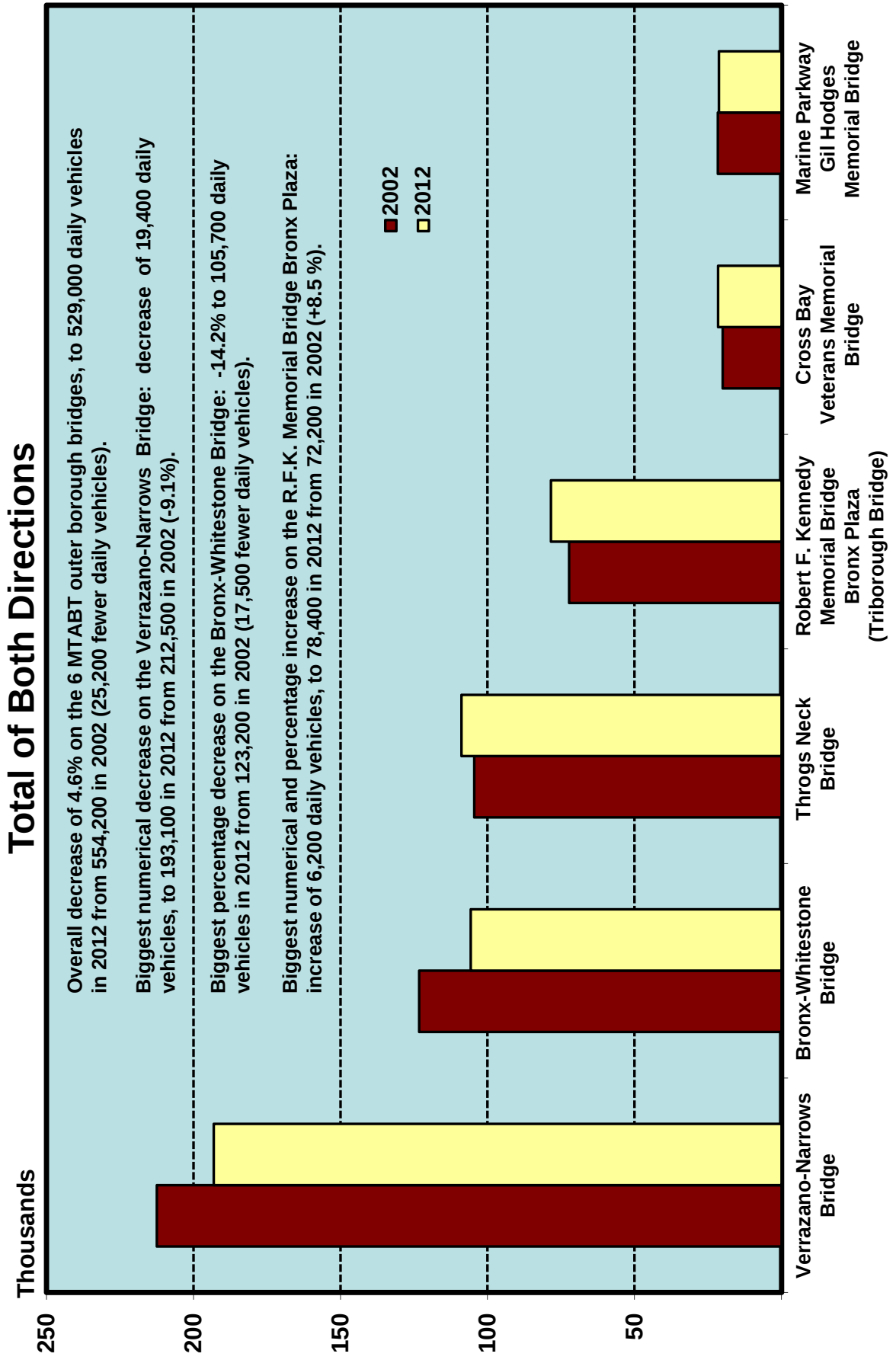
Manhattan Facilities Daily Volumes



10-Year Volume Changes ~ 2002 – 2012

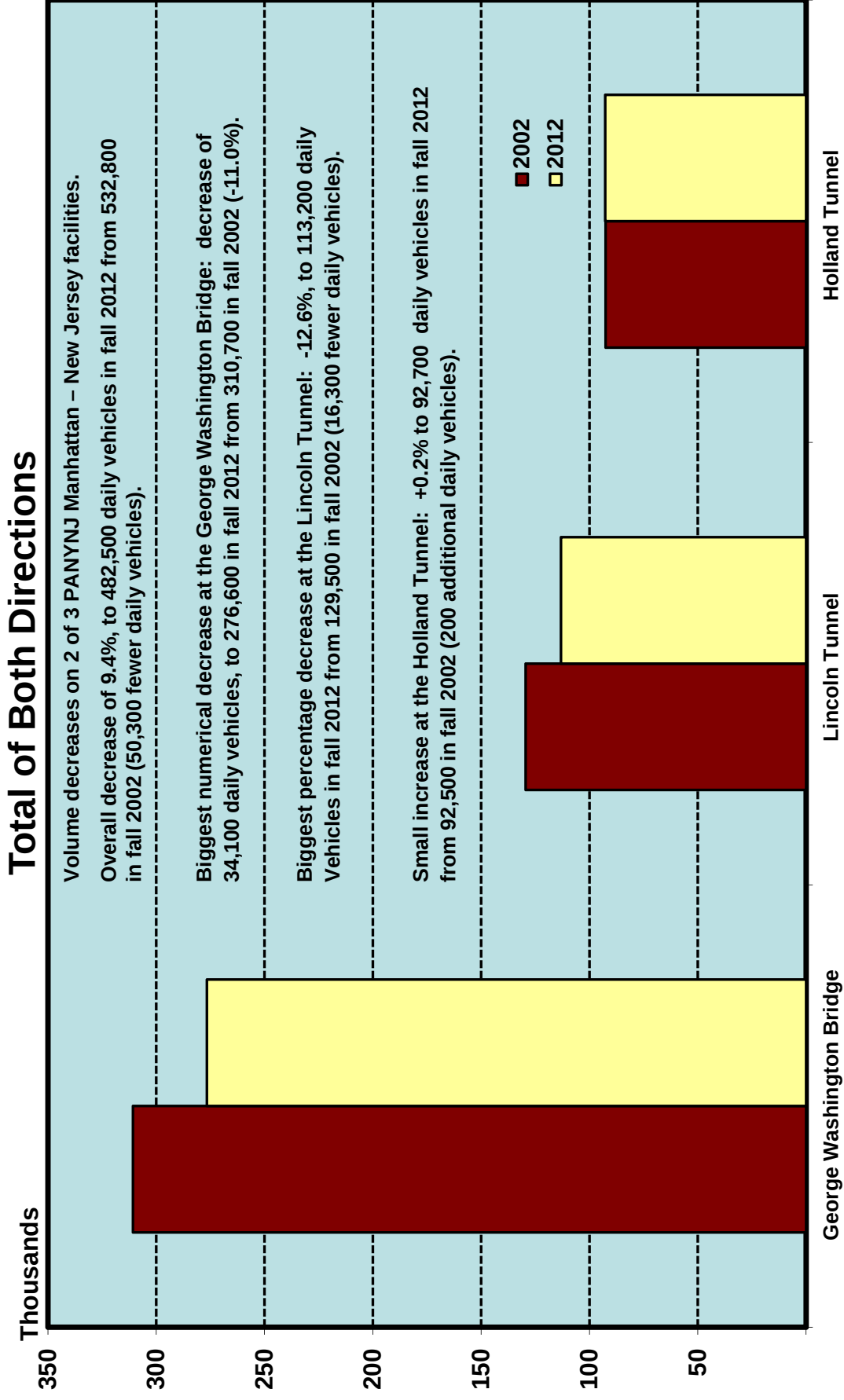
Metropolitan Transportation Authority Bridges & Tunnels (MTABT)

Outer Borough Bridges Daily Volumes



10-Year Volume Changes ~ 2002 – 2012

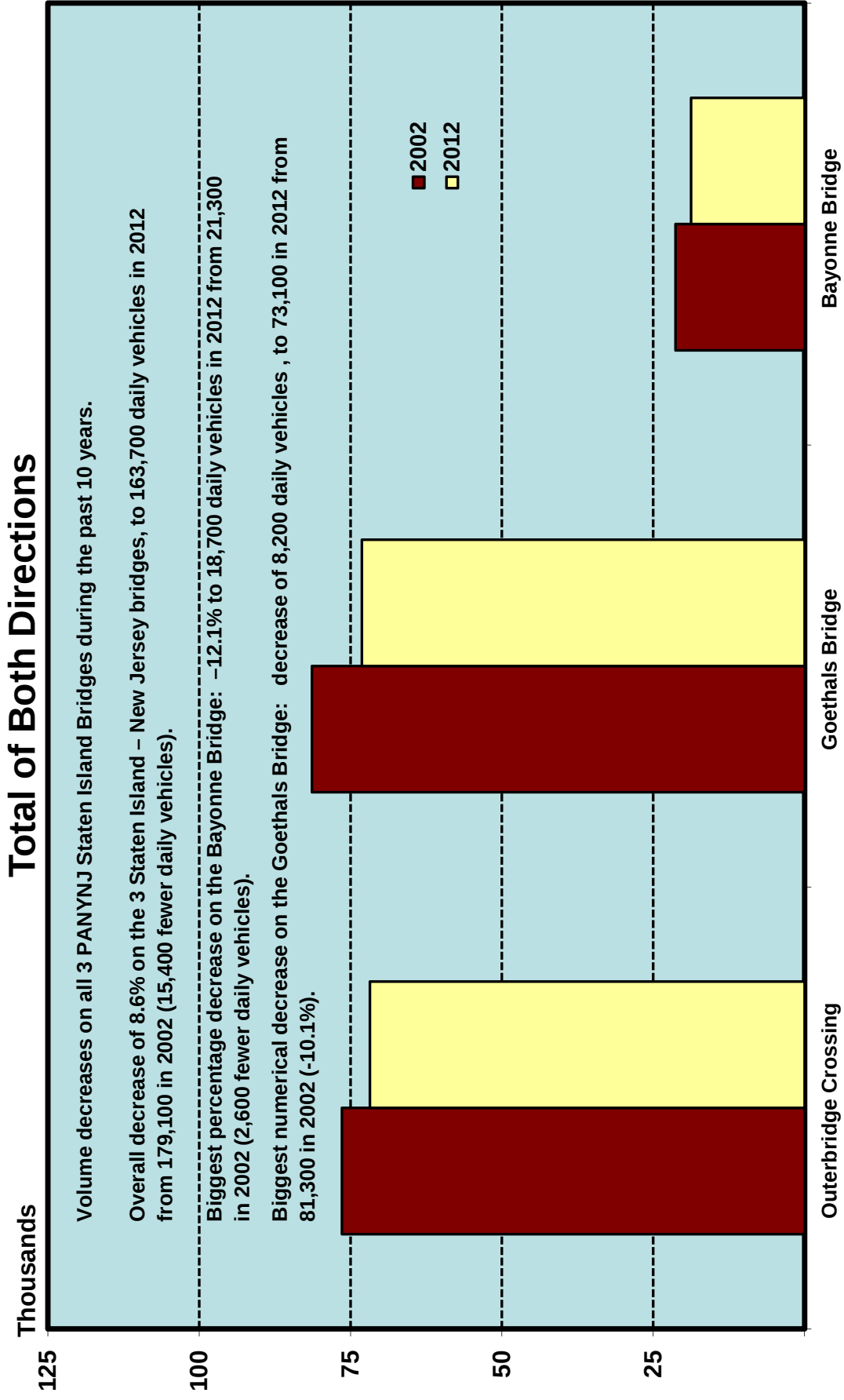
Port Authority of New York & New Jersey (PANYNJ) Manhattan – N.J. Facilities Daily Volumes



10-Year Volume Changes ~ 2002 – 2012

Port Authority of New York & New Jersey (PANYNJ)

Staten Island – N.J. Bridges Daily Volumes



Historic Trends



Kosciuszko Bridge

Historic Trends

In 1948, traffic on the City-operated bridges was 924,000 daily trips. By 1968, that figure had more than doubled, to 1,911,800. In 2012, it stood at 2,683,300 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 exceeded 125,000 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 2,058,600 vehicles per day. This was followed by a downward trend between 1971 and 1979. Daily bridge traffic in 1979 was 64,500 below the 1969 level. Thereafter, bridge traffic increased in most years, with 716,900 more daily vehicles crossing the bridges in 2012 than in 1979.

1948 - 1962

- Between 1948 and 1962, bridge traffic increased 66.2% on the 44 City bridges open during that time, to 1,535,500 daily vehicles in 1962 from 924,000 in 1948.
- Large increases in daily traffic occurred at the following bridges:
 - Brooklyn Bridge over the East River (up 113.0% to 78,900 daily vehicles in 1962 from 37,000 in 1948).
 - Williamsburg Bridge over the East River (up 73.8% to 81,900 from 47,100).
 - 3rd Avenue Bridge over the Harlem River (up 70.6% to 53,600 from 31,400).
 - University Heights Bridge over the Harlem River (up 65.6% to 35,900 from 21,700).
 - Washington Bridge over the Harlem River (up 91.0% to 56,100 from 29,400).
 - Willis Avenue Bridge over the Harlem River (up 88.6% to 55,900 from 29,600).
 - Kosciuszko Bridge along the Brooklyn-Queens Expressway over Newtown Creek (up 216.0% to 103,500 from 32,800).
 - Eastern Boulevard Bridge in The Bronx (up 90.9% to 85,100 from 44,600).
 - Hutchinson River Parkway Bridge in The Bronx (up 87.8% to 28,300 from 15,100).
 - Unionport Bridge in The Bronx (up 180.6% to 104,800 from 37,400).
 - Hamilton Avenue Bridge in Brooklyn (up 241.0% to 41,400 from 12,100).
 - Mill Basin Bridge along Belt Parkway in Brooklyn (up 228.6% to 71,500 from 21,800).
 - Hook Creek Bridge in Queens (up 280.4% to 36,600 from 9,600).
 - Midtown Highway Bridge on the Long Island Expressway in Queens (up 100.3% to 57,600 daily vehicles in 1962 from 28,800 in 1948).
- The most notable decrease occurred on the Manhattan Bridge over the East River (down 40.7%, to 51,500 daily vehicles in 1962 from 86,700 in 1948).

1962 - 1972

- Between 1962 and 1972, bridge traffic increased 21.5% on the 45 City bridges open during that time, to 1,868,900 daily vehicles from 1,538,700.

- Significant increases in daily traffic occurred on the following bridges:
 - Brooklyn Bridge over the East River (up 31.7% to 103,800 daily vehicles in 1972 from 78,900 in 1962).
 - Ed Koch Queensboro Bridge over the East River (up 28.8% to 136,500 from 105,900).
 - Eastern Boulevard Bridge in The Bronx (up 71.3% to 145,800 daily vehicles from 85,100).
 - Mill Basin Bridge along Belt Parkway in Brooklyn (up 43.1% to 102,300 from 71,500).
 - Whitestone Expressway Bridge in Queens (up 185.6% to 118,100 from 41,300).
 - Fresh Kills Bridge in Staten Island (up 202.7% to 28,500 from 9,400).
- Significant decreases in daily traffic occurred on the following bridges:
 - Washington Bridge over the Harlem River (down 34.4% to 36,800 daily vehicles in 1972 from 56,100 in 1962).
 - Unionport Bridge in The Bronx (down 32.6% to 70,700 from 104,800).

1972 - 1982

- From 1972 to 1982, total traffic on the 47 City bridges increased 5.4%, to 2,123,100 daily vehicles from 2,014,800.
- The most significant increases occurred on the following bridges:
 - Hutchinson River Parkway Bridge in The Bronx (up 45.5% to 69,100 daily vehicles in 1982 from 47,500 in 1972).
 - Midtown Highway Bridge in Queens (up 53.0% to 100,200 daily vehicles in 1982 from 65,500 in 1972).
 - Fresh Kills Bridge in Staten Island (up 140.7% to 68,500 from 28,500).
- The most dramatic decrease was on the Unionport Bridge over Westchester Creek in The Bronx, a decrease of 46.3%, to 37,900 daily vehicles in 1982 from 70,700 in 1972.

1982 - 1992

- Between 1982 and 1992, daily traffic increased 13.0% on the 47 City bridges, to 2,398,900 from 2,123,100.
- Significant increases in daily traffic occurred on the following bridges:
 - Kosciuszko Bridge over Newtown Creek (up 28.9%, to 167,000 daily vehicles in 1992 from 129,600 in 1982).
 - Whitestone Expressway Bridge over the Flushing River (up 20.4%, to 145,700 from 120,900).
 - Alexander Hamilton Bridge over the Harlem River (up 13.0% to 176,300 from 156,000).
 - Mill Basin Bridge along Belt Parkway in Brooklyn (up 14.1% to 130,700 from 114,600).
- Significant decreases occurred on the following bridges:
 - Midtown Highway Bridge on the Long Island Expressway in Queens (down 28.0% to 72,100 daily vehicles in 1992 from 100,200 in 1982).
 - Fresh Kills Bridge in Staten Island (down 29.2% to 48,500 daily vehicles from 68,500).

1992 - 2002

- Between 1992 and 2002, bridge traffic increased 11.2%, to 2,667,200 daily vehicles from 2,398,900.
- Significant increases in daily traffic occurred on the following bridges:
 - Ed Koch Queensboro Bridge over the East River (up 25.1%, to 176,400 daily vehicles in 2002 from 141,100 in 1992).
 - Madison Avenue Bridge over the Harlem River (up 50.4%, to 49,500 daily vehicles from 32,900). Capacity on the nearby Macombs Dam Bridge was reduced by 50% in 2002 due to reconstruction.
 - Kosciuszko Bridge along the Brooklyn-Queens Expressway over Newtown Creek (up 10.4% to 184,400 from 167,000).
 - Eastern Boulevard Bridge in The Bronx (up 45.4% to 179,000 from 123,100).
 - Hutchinson River Parkway Bridge in The Bronx (up 43.7% to 110,100 from 76,600).
 - Whitestone Expressway Bridge in Queens (up 29.6% to 188,800 from 145,700).
- Significant decreases occurred on the following bridges:
 - Manhattan Bridge over the East River (down 15.3%, to 66,200 daily vehicles in 2002 from 78,100 in 1992).
 - Macombs Dam Bridge over the Harlem River (down 55.1%, to 18,900 from 42,000). Capacity was reduced by 50% in 2002 as one of two lanes in each direction was closed for reconstruction.

Total NYC Toll Free Bridges
Average Daily Traffic Volumes
1948 - 2012

<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

Total NYC Toll Free Bridges (continued)
Average Daily Traffic Volumes
1948 - 2012

<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

NYC Tolled Facilities
Average Daily Traffic Volumes
1948 - 2012

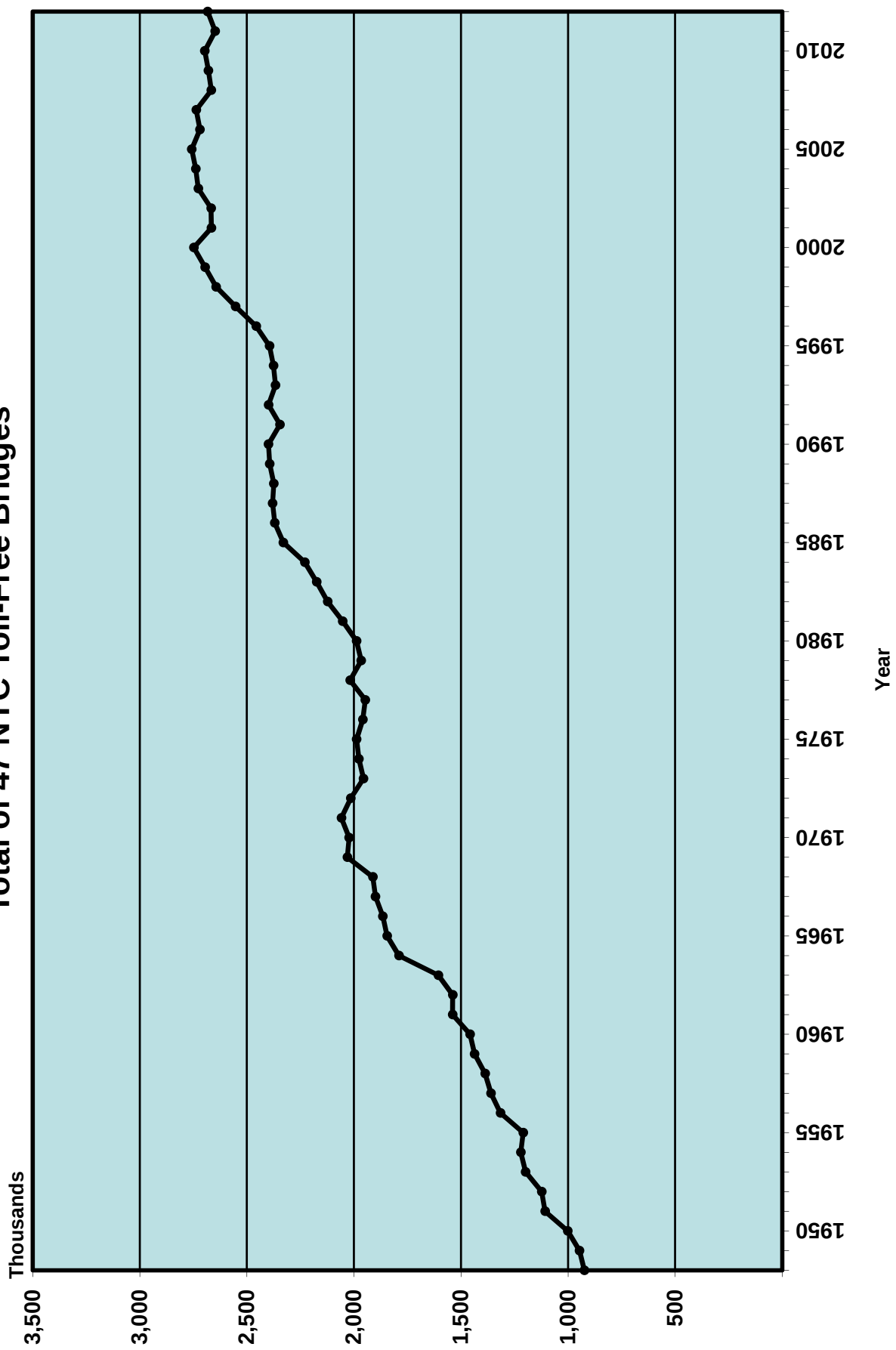
Year	MTABT Manhattan	PANYNJ Manhattan	MTABT Outer Boro	PANYNJ Staten Is	Total
1948	92,977	115,785	80,977	13,214	302,953
1949	110,071	129,943	97,117	14,628	351,759
1950	161,856	146,653	109,454	16,431	434,394
1951	180,272	166,150	124,391	18,335	489,148
1952	194,327	181,253	133,747	19,143	528,470
1953	200,535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

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

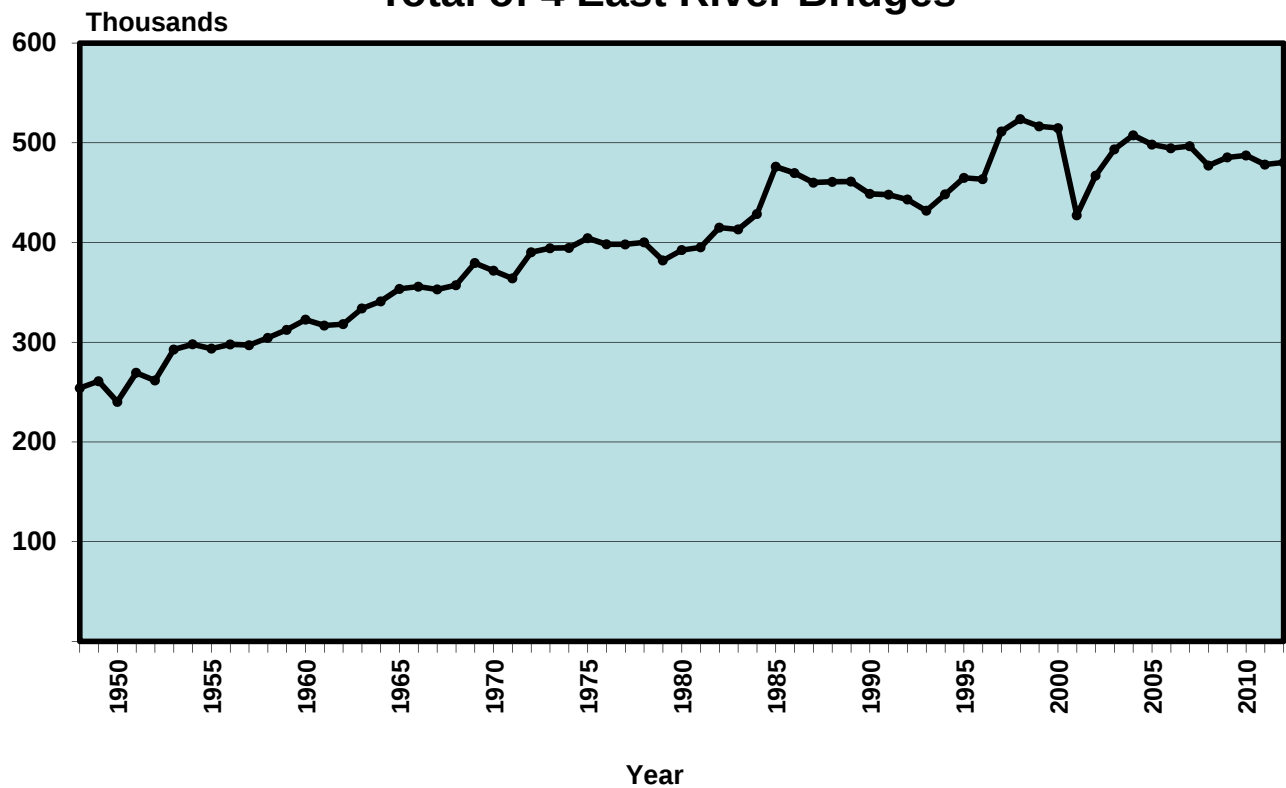
PANYNJ toll increases: 5/75, 1/84, 4/87, 4/91, 3/01, 3/08, 9/11, & 12/12.

MTABT toll Increases: 1/72, 9/75, 5/80, 4/82, 1/84, 1/86, 2/87, 7/89, 1/93, 3/96, 5/03, 3/05, 3/08, 7/9, & 12/10.

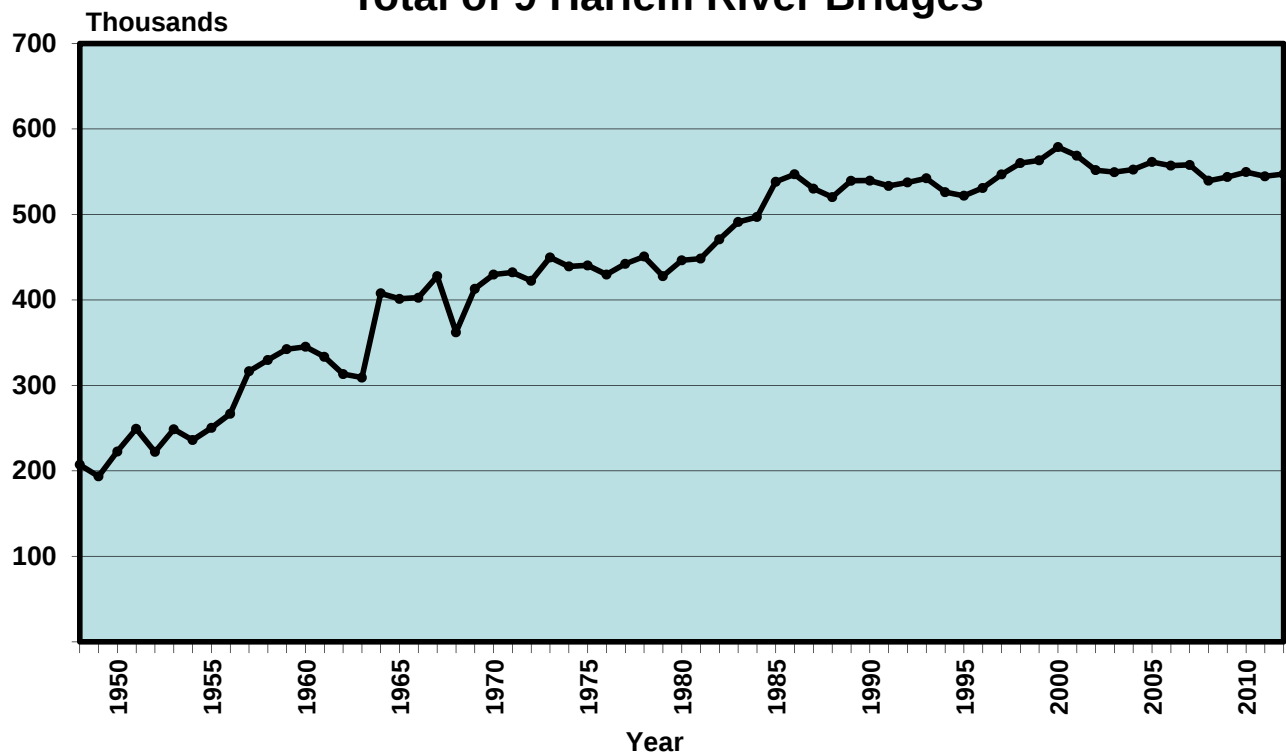
**Average Daily Traffic Volumes ~ Total of Both Directions
Total of 47 NYC Toll-Free Bridges**



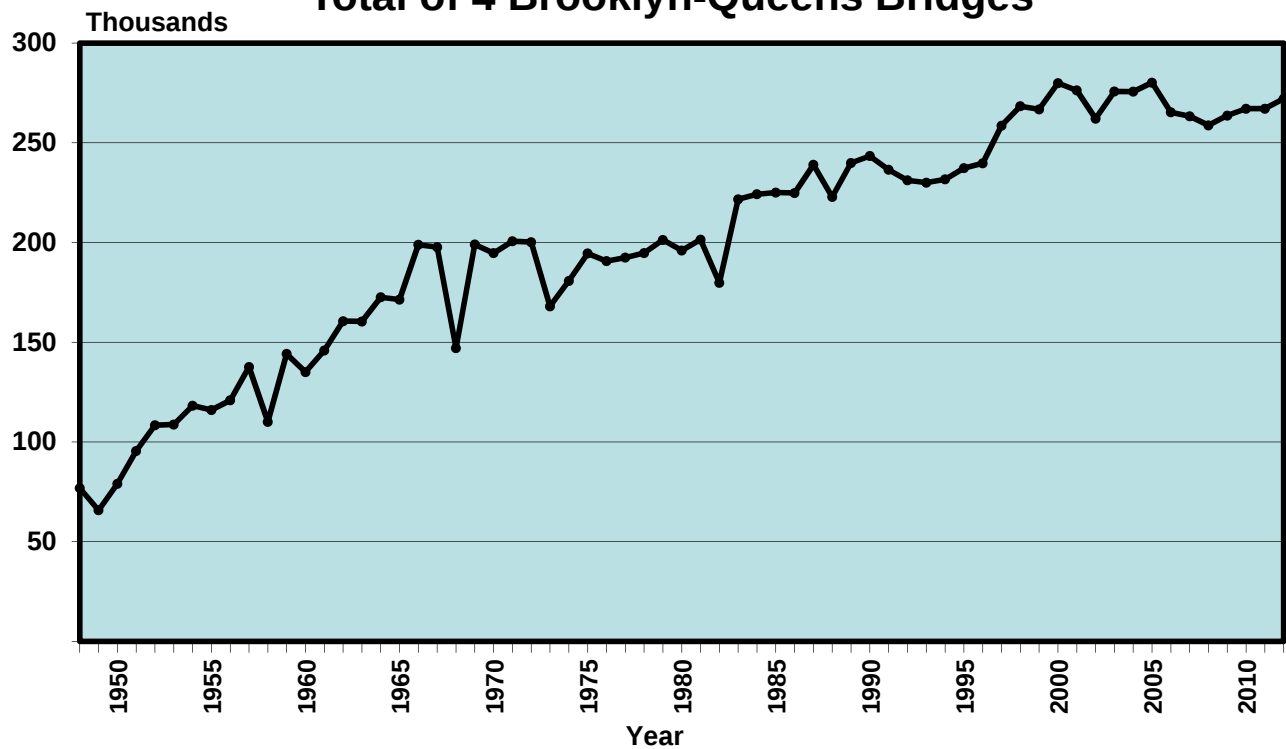
Average Daily Traffic Volumes ~ Total of Both Directions Total of 4 East River Bridges



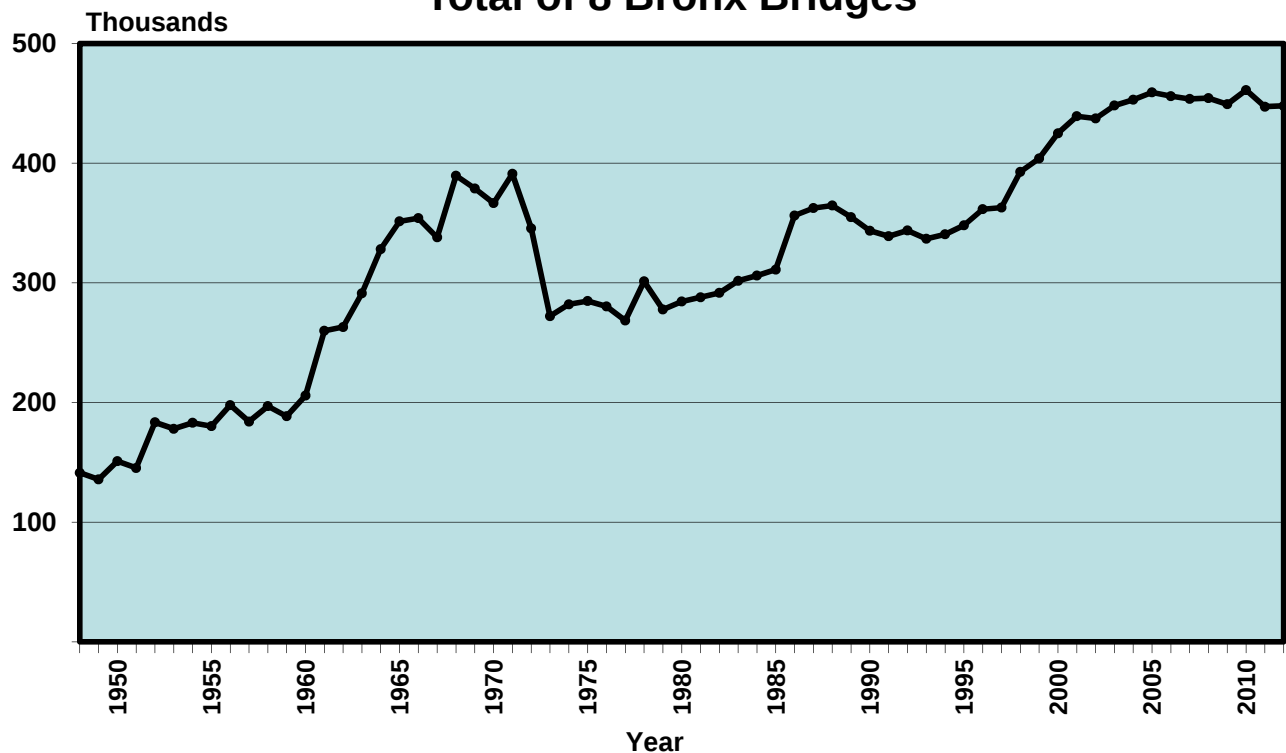
Average Daily Traffic Volumes ~ Total of Both Directions Total of 9 Harlem River Bridges



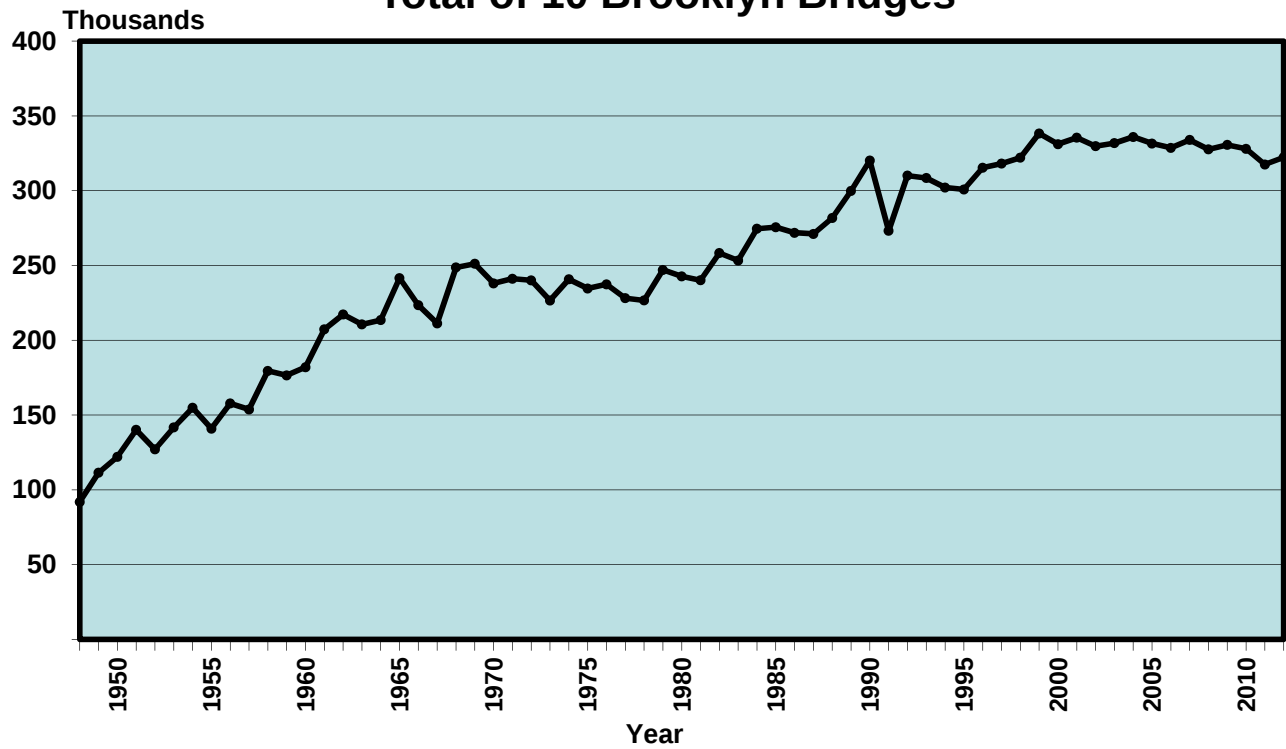
Average Daily Traffic Volumes ~ Total of Both Directions Total of 4 Brooklyn-Queens Bridges



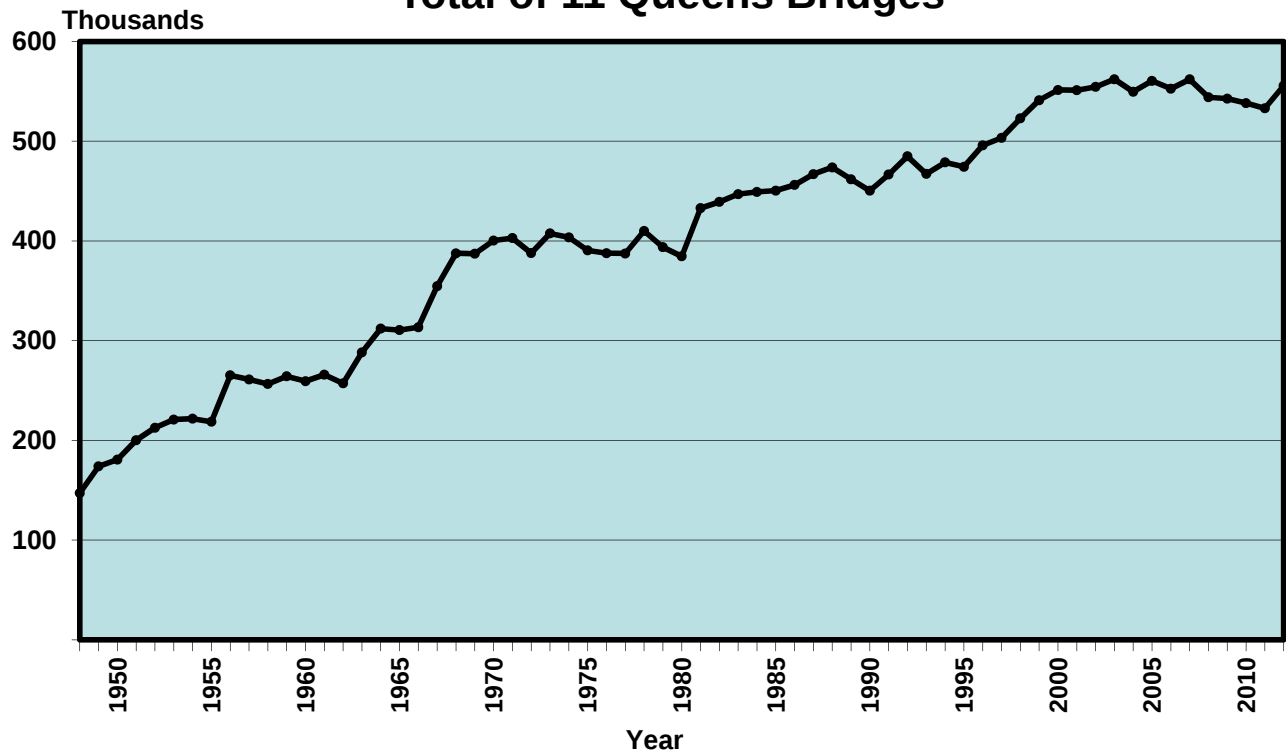
Average Daily Traffic Volumes ~ Total of Both Directions Total of 8 Bronx Bridges



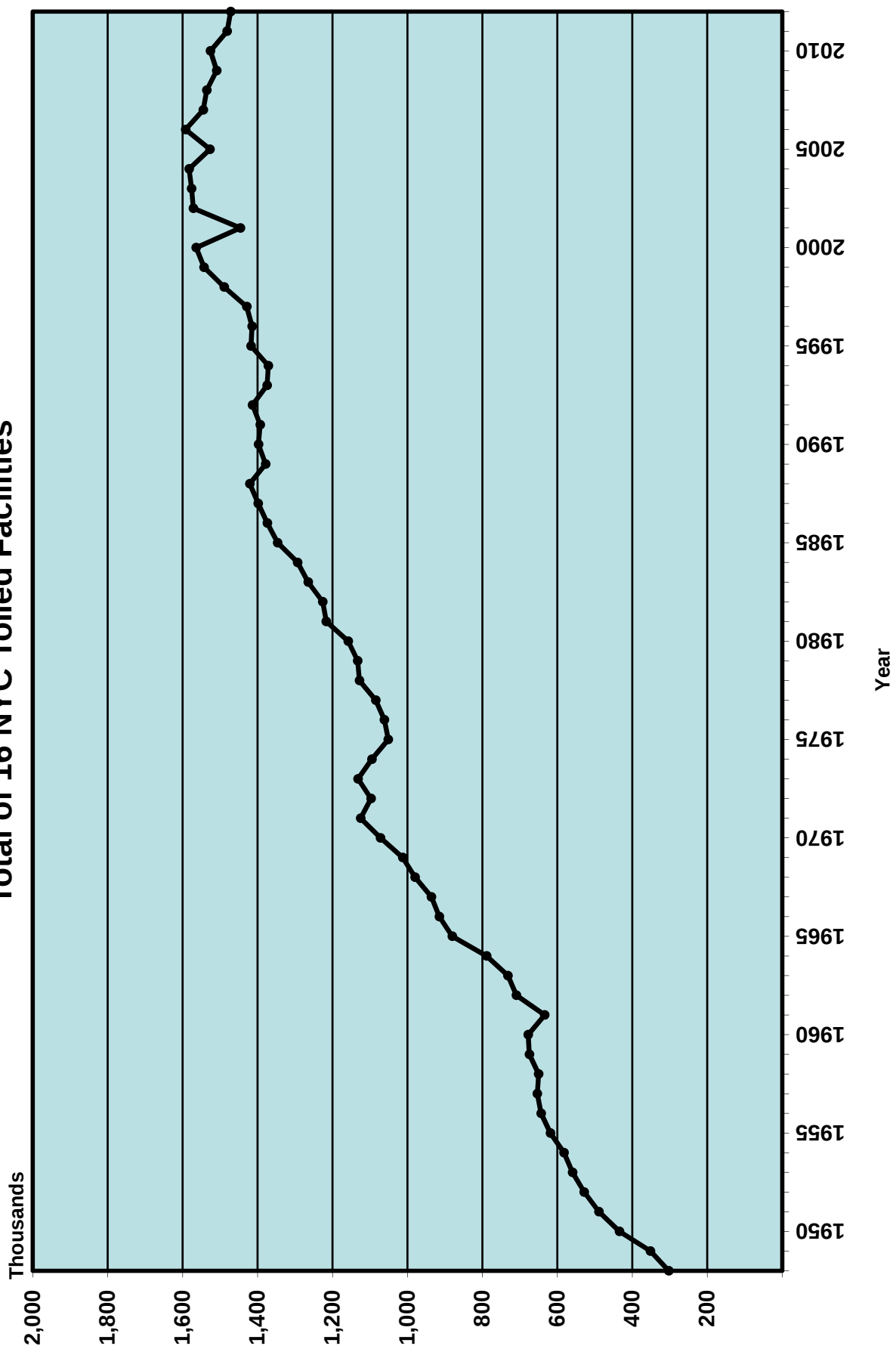
Average Daily Traffic Volumes ~ Total of Both Directions Total of 10 Brooklyn Bridges



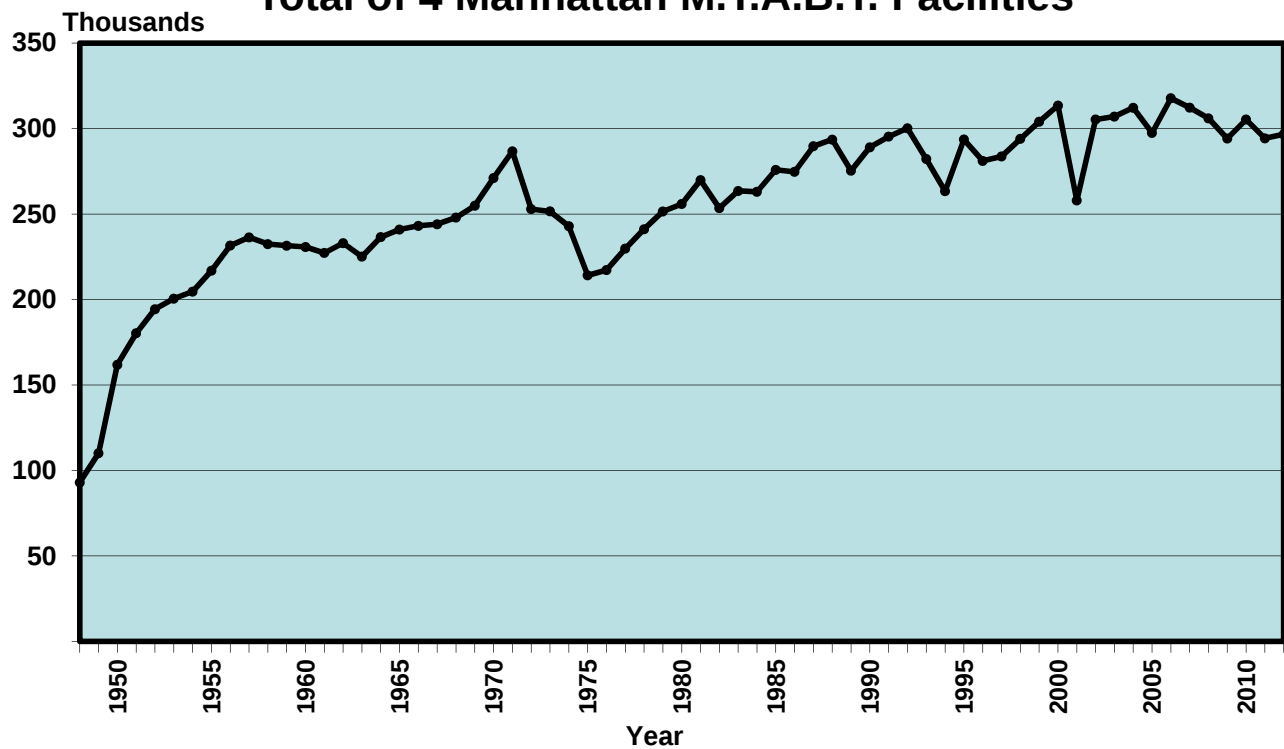
Average Daily Traffic Volumes ~ Total of Both Directions Total of 11 Queens Bridges



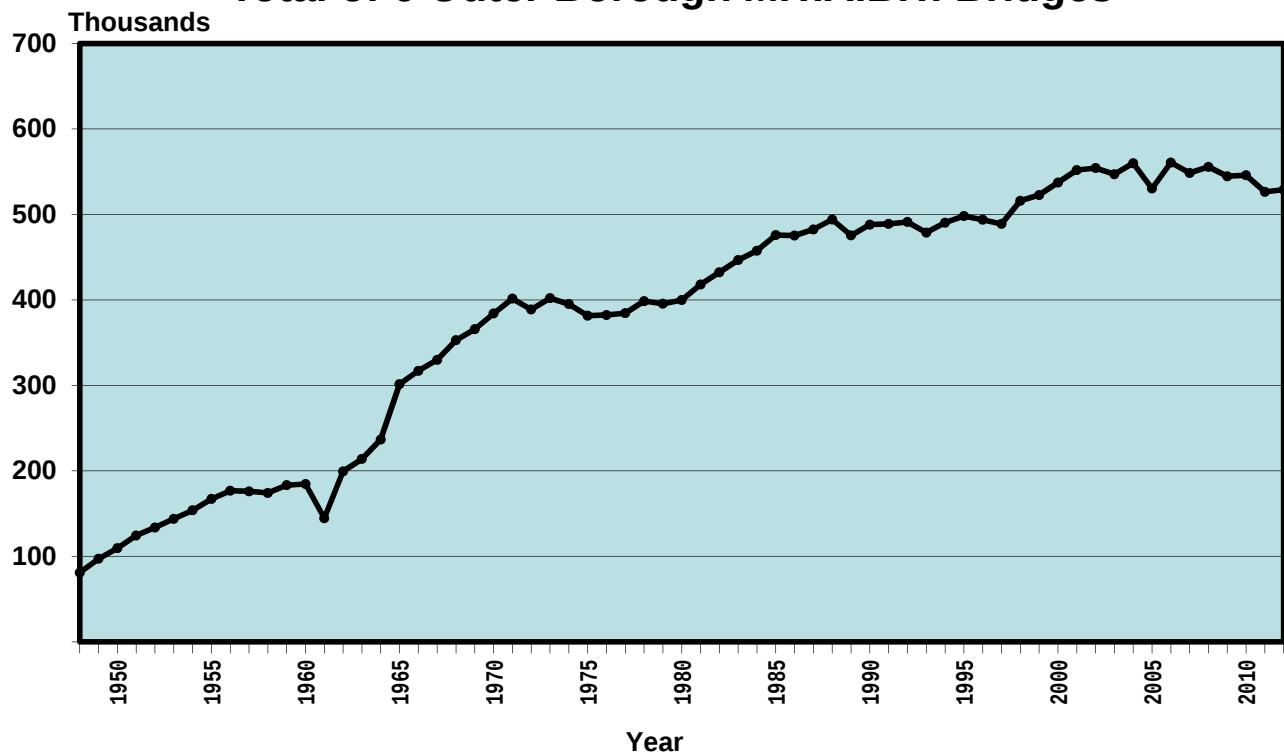
**Average Daily Traffic Volumes ~ Total of Both Directions
Total of 16 NYC Tolled Facilities**



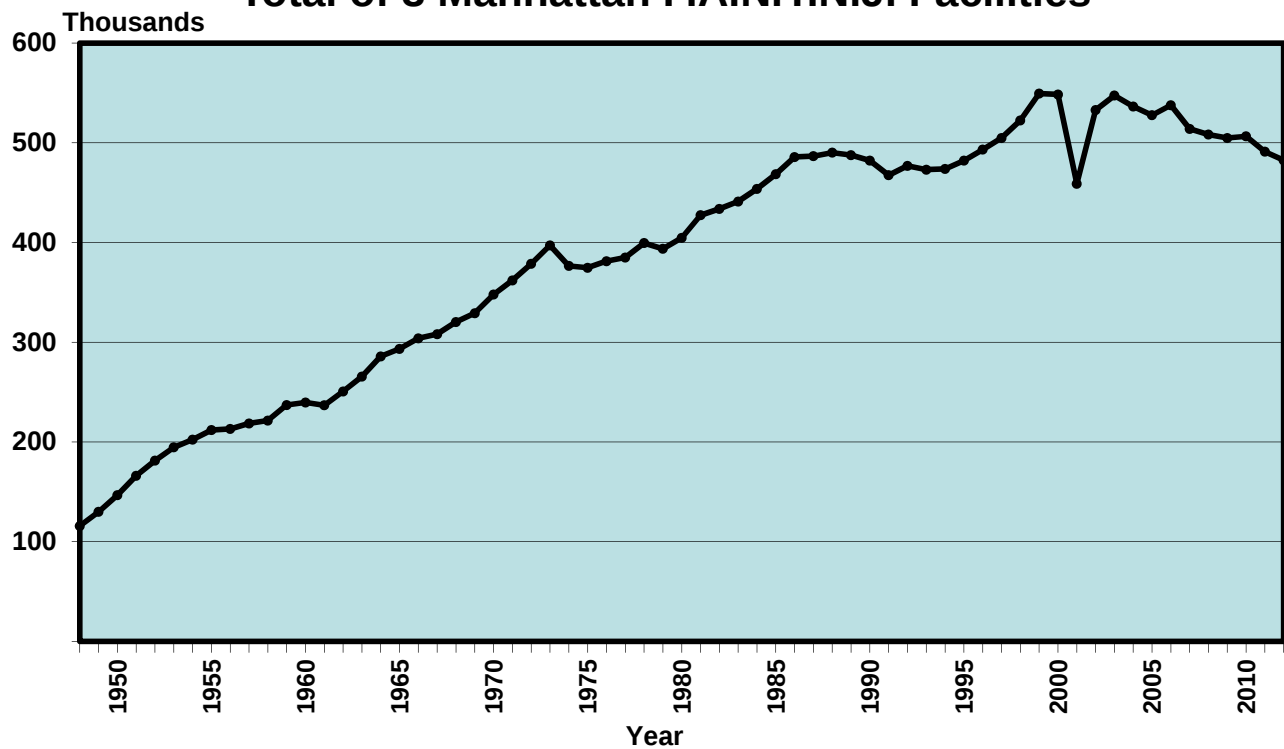
Average Daily Traffic Volumes ~ Total of Both Directions Total of 4 Manhattan M.T.A.B.T. Facilities



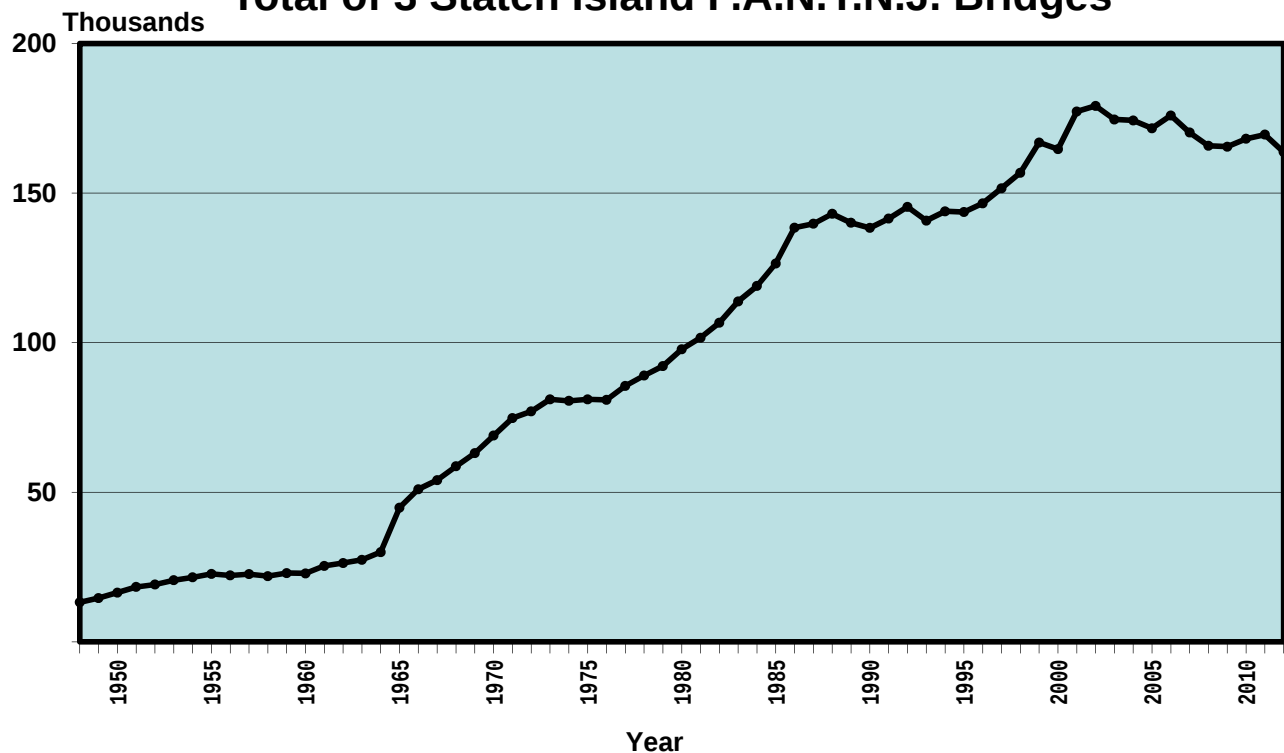
Average Daily Traffic Volumes ~ Total of Both Directions Total of 6 Outer Borough M.T.A.B.T. Bridges



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



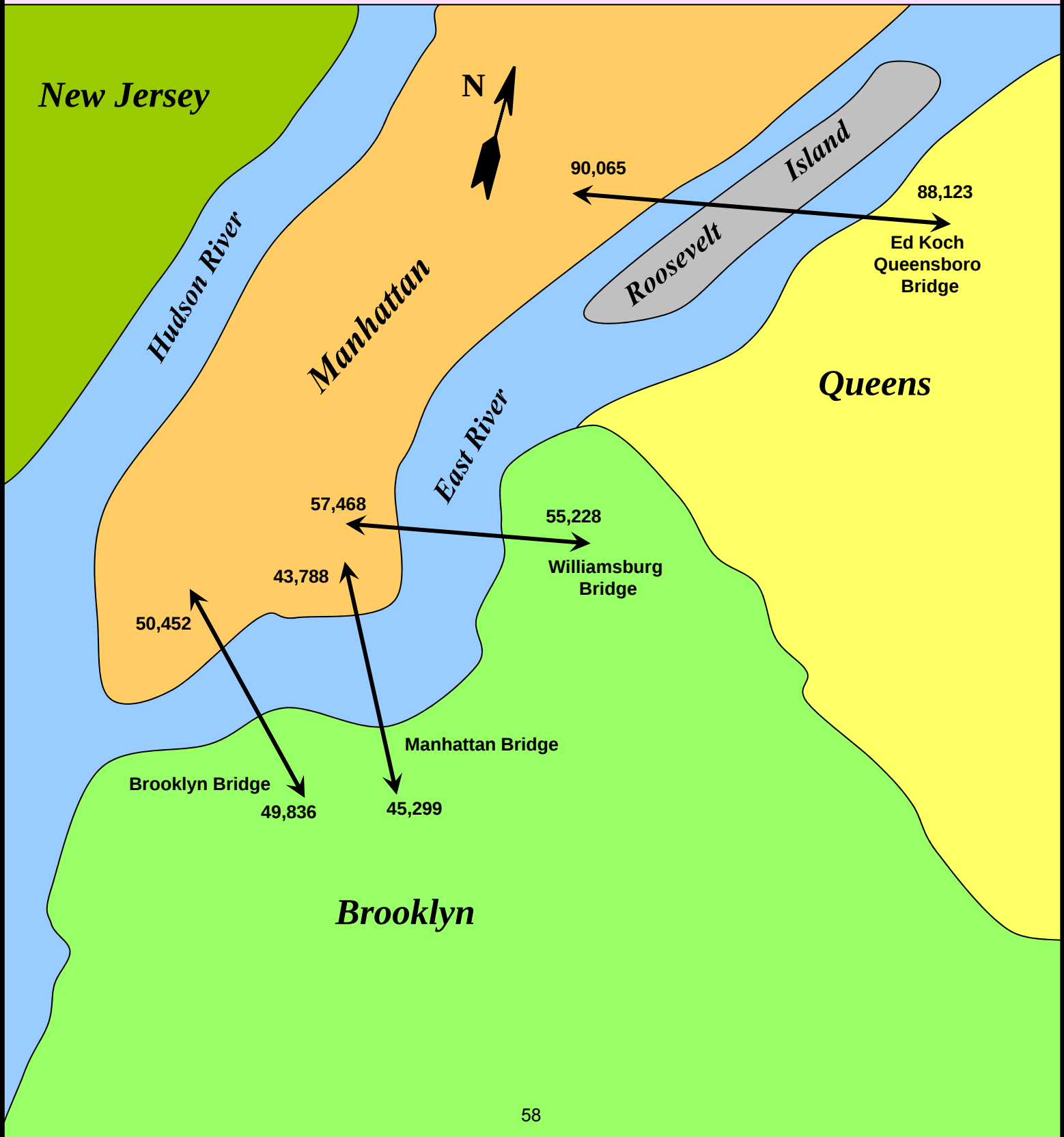
East River Bridges



Ed Koch Queensboro Bridge

East River Bridges

2012 Daily Volumes



East River Bridges
Average Daily Traffic Volumes
1948 - 2012

<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

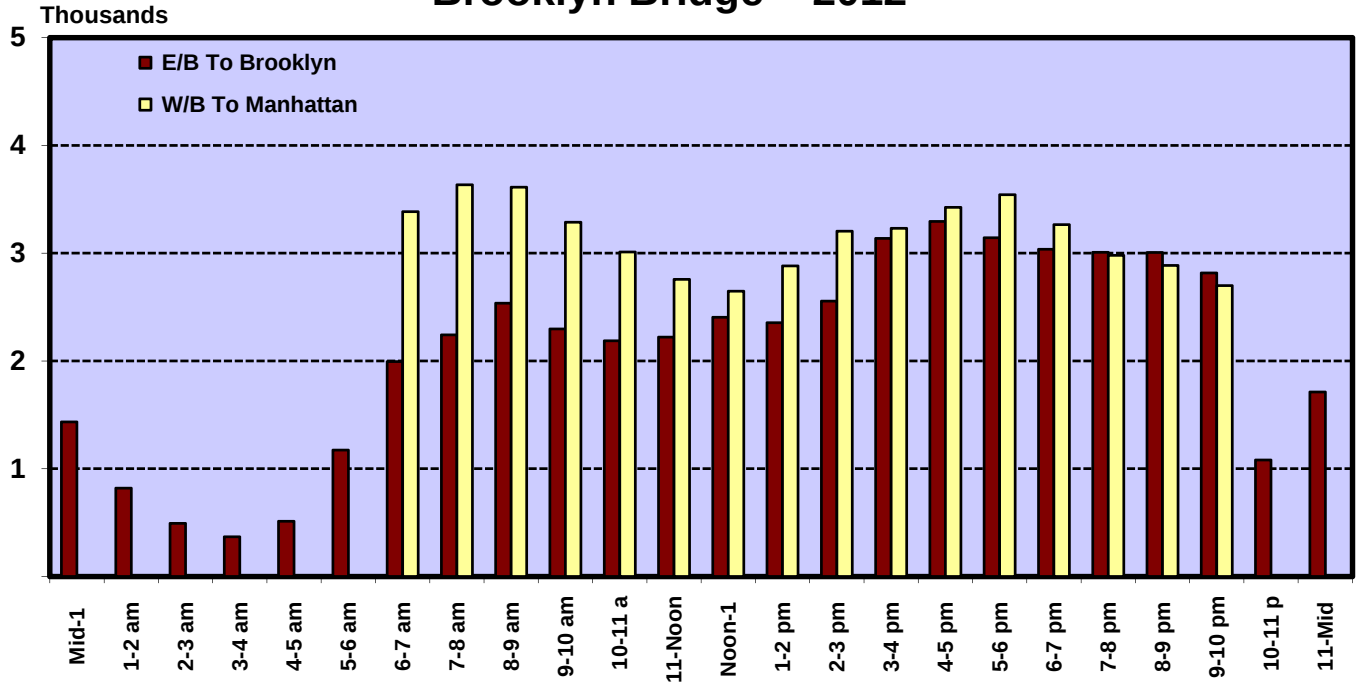
Hourly Vehicular Volumes Brooklyn Bridge - 2012

FHWA Classes	Eastbound to Brooklyn							Westbound to Manhattan							2-Way Grand Totals			
	Commuter Vans				Single Unit Trucks			Total Vehicles	Commuter Vans				Single Unit Trucks			Total Vehicles		
	Autos & Motorcycles	Pickups	Large SUVs	Buses	Autos & Motorcycles	Pickups	Large SUVs		Buses	Autos & Motorcycles	Pickups	Large SUVs	Buses					
	1 & 2	3	4	5 - 7	8 - 13		1 & 2	3	4	5 - 7	8 - 13		1 & 2	3	4	5 - 7	8 - 13	
12-1am	1,433	1	0	0	0	1,434	0	0	0	0	0	0	0	0	0	0	0	1,434
1-2am	816	3	1	0	0	820	0	0	0	0	0	0	0	0	0	0	0	820
2-3am	491	2	0	0	0	493	0	0	0	0	0	0	0	0	0	0	0	493
3-4am	365	3	0	0	0	368	0	0	0	0	0	0	0	0	0	0	0	368
4-5am	506	6	1	0	0	513	0	0	0	0	0	0	0	0	0	0	0	513
5-6am	1,158	14	1	0	0	1,173	0	0	0	0	0	0	0	0	0	0	0	1,173
6-7am	1,956	29	9	1	0	1,995	3,267	40	77	2	0	0	3,386	40	77	2	0	5,381
7-8am	2,196	29	17	1	0	2,243	3,571	24	38	2	0	0	3,635	24	38	2	0	5,878
8-9am	2,475	40	21	1	0	2,537	3,571	29	10	3	0	0	3,613	29	10	3	0	6,150
9-10am	2,230	41	25	1	0	2,297	3,242	27	11	7	0	0	3,287	27	11	7	0	5,584
10-11am	2,145	26	16	0	0	2,187	2,968	24	12	7	0	0	3,011	24	12	7	0	5,198
11-12am	2,159	41	22	0	0	2,222	2,701	35	14	7	0	0	2,757	35	14	7	0	4,979
12-1pm	2,342	42	22	0	0	2,406	2,600	22	23	2	0	0	2,647	22	23	2	0	5,053
1-2pm	2,294	34	26	1	0	2,355	2,784	37	51	10	0	0	2,882	37	51	10	0	5,237
2-3pm	2,483	34	37	1	0	2,555	3,139	32	31	3	0	0	3,205	32	31	3	0	5,760
3-4pm	3,069	33	35	0	0	3,137	3,157	36	37	1	0	0	3,231	36	37	1	0	6,368
4-5pm	3,237	34	23	1	0	3,295	3,369	36	18	2	0	0	3,425	36	18	2	0	6,720
5-6pm	3,092	34	18	0	0	3,144	3,501	24	16	2	0	0	3,543	24	16	2	0	6,687
6-7pm	2,976	46	14	1	0	3,037	3,225	25	13	2	0	0	3,265	25	13	2	0	6,302
7-8pm	2,971	32	5	0	0	3,008	2,961	14	5	0	0	0	2,980	14	5	0	0	5,988
8-9pm	2,991	14	2	0	0	3,007	2,865	19	1	1	0	0	2,886	19	1	1	0	5,893
9-10pm	2,804	12	1	0	0	2,817	2,673	22	3	1	0	0	2,699	22	3	1	0	5,516
10-11pm	1,079	2	0	0	0	1,081	0	0	0	0	0	0	0	0	0	0	0	1,081
11-12pm	1,708	3	1	0	0	1,712	0	0	0	0	0	0	0	0	0	0	0	1,712
Totals	48,976	555	297	8	0	49,836	49,594	446	360	52	0	0	50,452	446	360	52	0	100,288
7-10am	6,901	110	63	3	0	7,077	10,384	80	59	12	0	0	10,535	80	59	12	0	17,612
10am-1pm	6,646	109	60	0	0	6,815	8,269	81	49	16	0	0	8,415	81	49	16	0	15,230
1-4pm	7,846	101	98	2	0	8,047	9,080	105	119	14	0	0	9,318	105	119	14	0	17,365
4-7pm	9,305	114	55	2	0	9,476	10,095	85	47	6	0	0	10,233	85	47	6	0	19,709
7am-7pm	30,698	434	276	7	0	31,415	37,828	351	274	48	0	0	38,501	351	274	48	0	69,916
6-10am	8,857	139	72	4	0	9,072	13,651	120	136	14	0	0	13,921	120	136	14	0	22,993
3-7pm	12,374	147	90	2	0	12,613	13,252	121	84	7	0	0	13,464	121	84	7	0	26,077
6am-7pm	32,654	463	285	8	0	33,410	41,095	391	351	50	0	0	41,887	391	351	50	0	75,297

Based on March 2006 Classification Survey Data

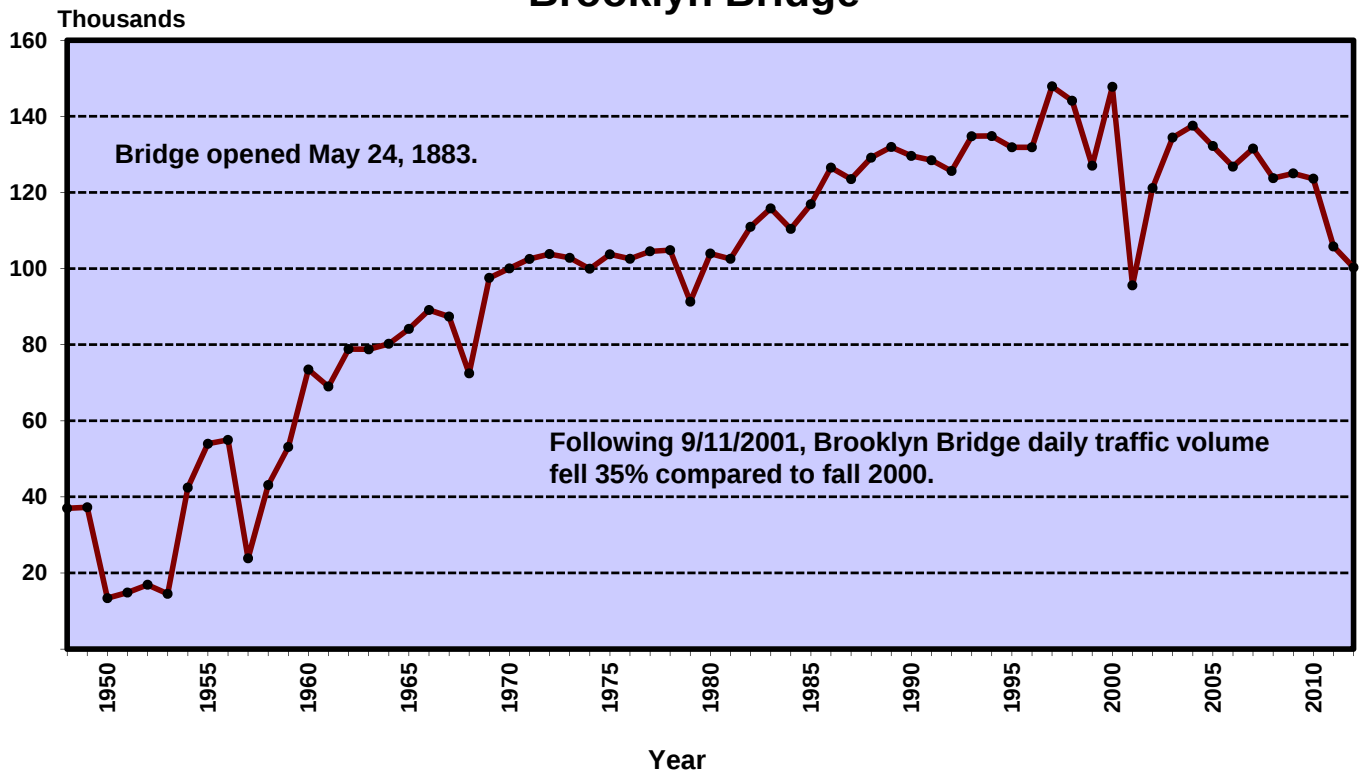
** Peak Volumes

Hourly Vehicular Volumes Brooklyn Bridge ~ 2012



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

Average Daily Traffic Volumes ~ Total of Both Directions Brooklyn Bridge



Hourly Vehicular Volumes Ed Koch Queensboro Bridge - 2012

Eastbound to Queens

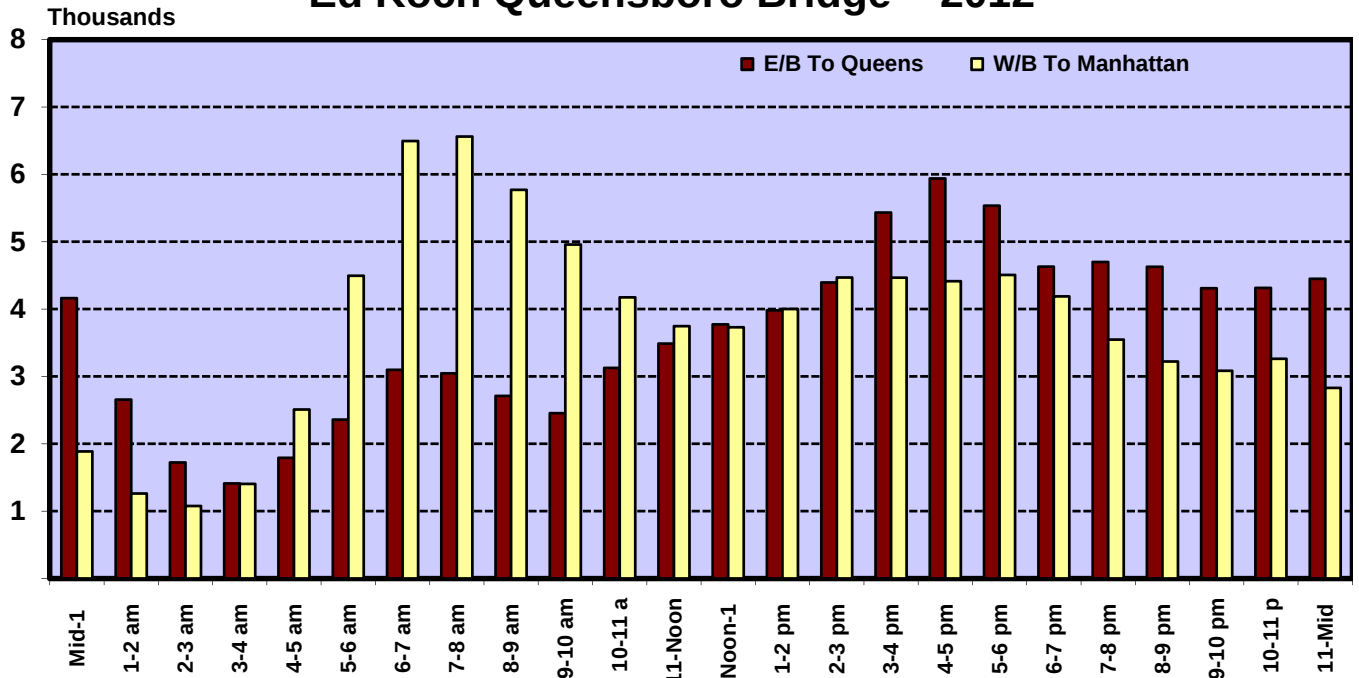
Westbound to Manhattan

FHWA Classes▲	Commuter Vans						Commuter Vans						2-Way Grand Totals
	Commercial Vans			Single Unit Trucks	Tractor Trailers	Total Vehicles	Commercial Vans			Single Unit Trucks	Tractor Trailers	Total Vehicles	
	Autos & Motorcycles	Pickups Large SUVs	Buses				Autos & Motorcycles	Pickups Large SUVs	Buses				
	1 & 2	3	4	5 - 7	8 - 13		1 & 2	3	4	5 - 7	8 - 13		
12-1am	4,051	50	16	45	0	4,162	1,845	17	13	11	1	1,887	
1-2am	2,600	21	10	24	1	2,656	1,226	14	6	14	2	1,262	
2-3am	1,681	9	4	27	1	1,722	1,023	11	5	37	0	1,076	
3-4am	1,360	7	2	42	0	1,411	1,312	8	13	70	1	1,404	
4-5am	1,709	15	12	55	0	1,791	2,306	30	22	151	1	2,510	
5-6am	2,229	35	14	80	1	2,359	4,169	54	28	222	23	4,496	
6-7am	2,877	31	23	168	0	3,099	6,091	84	41	263	17	6,496	
7-8am	2,760	50	27	206	4	3,047	6,119	71	52	287	33	6,562	
8-9am	2,417	48	37	204	6	2,712	5,342	74	58	269	27	5,770	
9-10am	2,176	38	34	201	5	2,454	4,585	75	48	215	35	4,958	
10-11am	2,755	58	52	252	10	3,127	3,802	70	36	231	35	4,174	
11-12am	3,151	51	41	242	4	3,489	3,429	58	27	194	38	3,746	
12-1pm	3,395	67	41	265	6	3,774	3,421	40	39	194	37	3,731	
1-2pm	3,571	80	45	280	5	3,981	3,732	53	35	141	40	4,001	
2-3pm	4,006	79	52	252	7	4,396	4,175	71	44	141	38	4,469	
3-4pm	5,018	82	56	271	7	5,434	4,199	52	43	150	23	4,467	
4-5pm	5,543	89	43	257	7	5,939	4,197	51	34	117	15	4,414	
5-6pm	5,178	73	44	231	10	5,536	4,336	39	36	74	23	4,508	
6-7pm	4,355	57	45	167	6	4,630	4,069	32	25	48	14	4,188	
7-8pm	4,410	74	55	151	9	4,699	3,450	25	27	34	11	3,547	
8-9pm	4,345	82	65	133	4	4,629	3,133	29	21	30	8	3,221	
9-10pm	4,078	64	49	116	3	4,310	3,005	26	16	34	4	3,085	
10-11pm	4,087	59	47	121	1	4,315	3,186	24	21	30	1	3,262	
11-12pm	4,309	53	27	60	2	4,451	2,773	15	18	24	1	2,831	
Totals	82,061	1,272	841	3,850	99	88,123	84,925	1,023	708	2,981	428	90,065	
7-10am	7,353	136	98	611	15	8,213	16,046	220	158	771	95	17,290	
10am-1pm	9,301	176	134	759	20	10,390	10,652	168	102	619	110	11,651	
1-4pm	12,595	241	153	803	19	13,811	12,106	176	122	432	101	12,937	
4-7pm	15,076	219	132	655	23	16,105	12,602	122	95	239	52	13,110	
7am-7pm	44,325	772	517	2,828	77	48,519	51,406	686	477	2,061	358	54,988	
6-10am	10,230	167	121	779	15	11,312	22,137	304	199	1,034	112	23,786	
3-7pm	20,094	301	188	926	30	21,539	16,801	174	138	389	75	17,577	
6am-7pm	47,202	803	540	2,996	77	51,618	57,497	770	518	2,324	375	61,484	

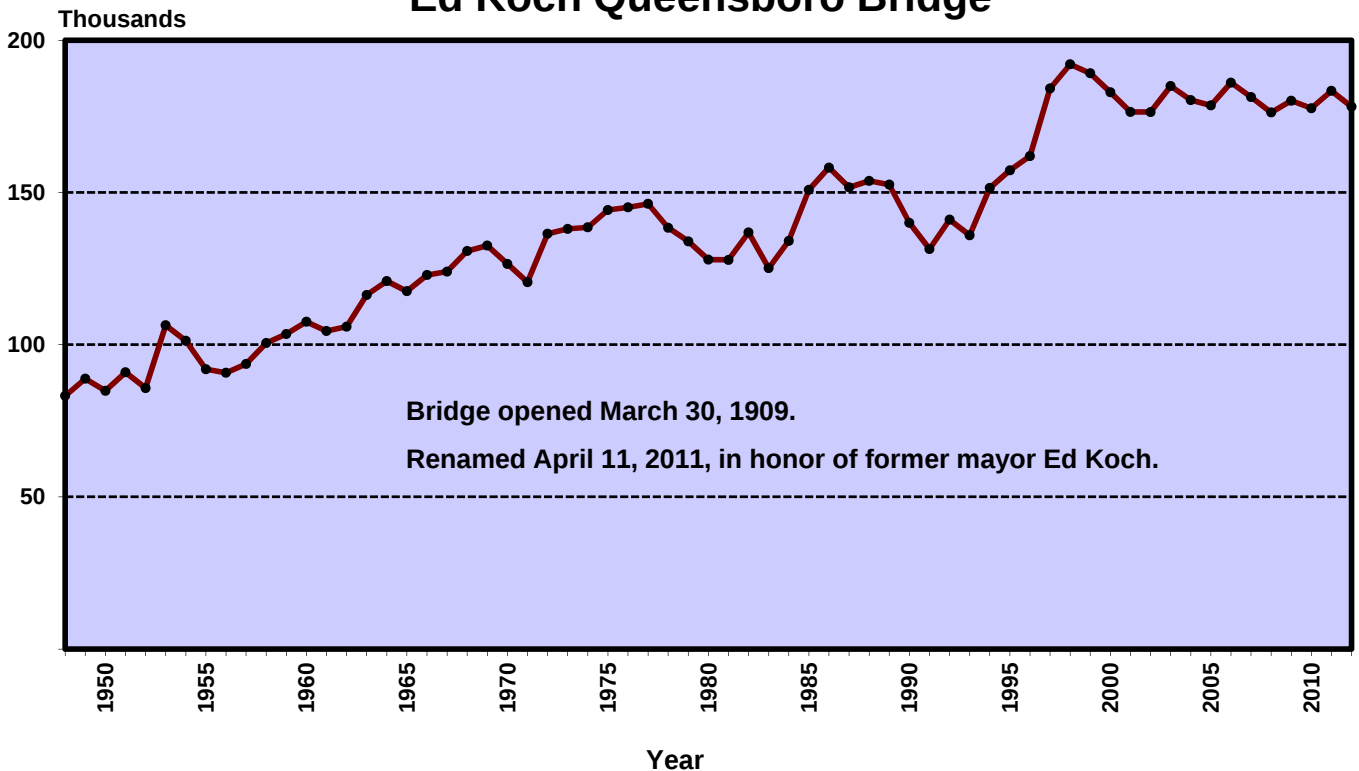
Based on April 2006 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Ed Koch Queensboro Bridge ~ 2012



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



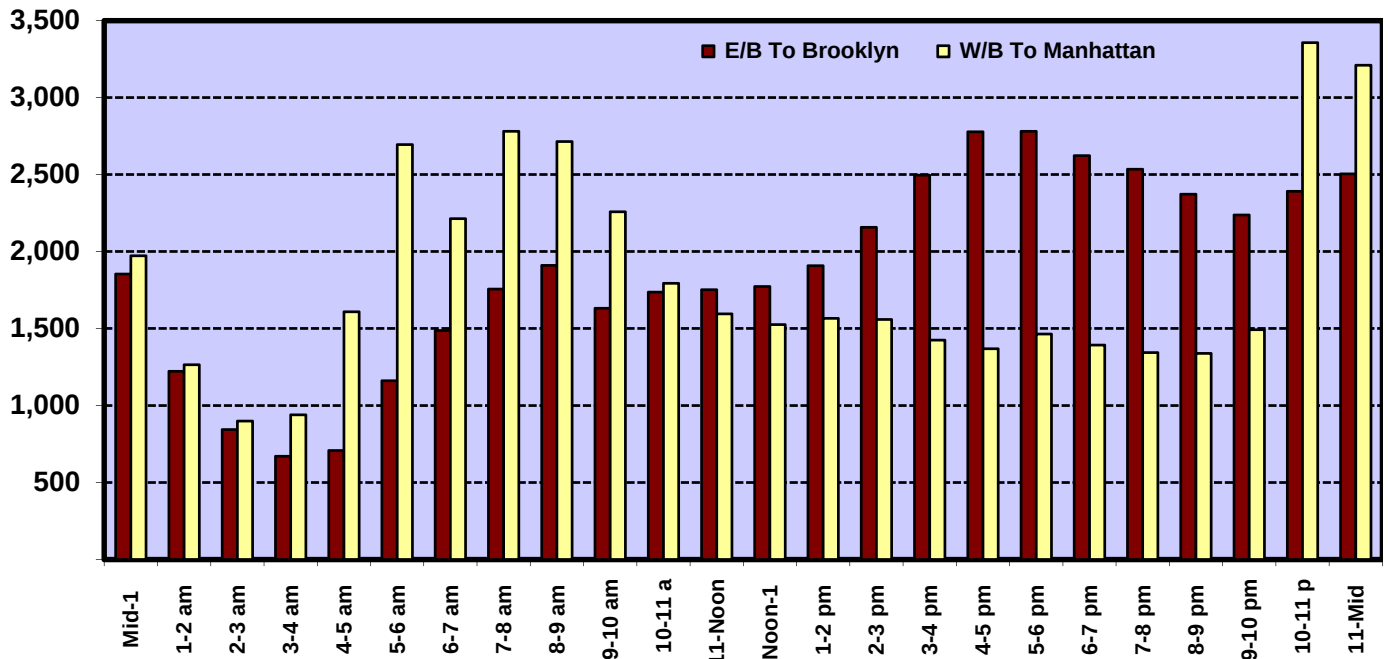
Hourly Vehicular Volumes Manhattan Bridge - 2012

FHWA Classes ▲	Eastbound to Brooklyn							Westbound to Manhattan							2-Way Grand Totals	
	Commuter Vans				Single Unit Trucks			Commuter Vans			Single Unit Trucks					
	Autos & Motorcycles	Pickups Large SUVs	Buses	Total Vehicles	Tractor Trailers	Autos & Motorcycles	Pickups Large SUVs	Buses	Single Unit Trucks	Tractor Trailers	Total Vehicles					
	1 & 2	3	4	5 - 7	8 - 13						1 & 2	3	4	5 - 7	8 - 13	
12-1am	1,785	35	12	19	3	1,854					1,957	11	1	4	0	1,973
1-2am	1,186	24	4	7	1	1,222					1,252	10	1	2	0	1,265
2-3am	813	19	4	6	2	844					888	5	1	5	0	899
3-4am	638	18	4	7	4	671					923	8	3	5	1	940
4-5am	688	9	3	7	1	708					1,475	24	7	99	4	1,609
5-6am	1,117	9	11	23	1	1,161					2,276	43	52	276	48	2,695
6-7am	1,325	33	37	83	10	1,488					1,763	54	67	290	40	2,214
7-8am	1,482	51	58	156	10	1,757					2,221	58	70	412	20	2,781
8-9am	1,611	37	62	185	15	1,910					2,233	47	51	364	20	2,715
9-10am	1,319	36	64	201	12	1,632					1,802	44	43	347	23	2,259
10-11am	1,574	14	31	111	7	1,737					1,423	37	45	279	10	1,794
11-12am	1,571	21	33	120	8	1,753					1,235	31	39	282	9	1,596
12-1pm	1,536	28	36	164	9	1,773					1,122	39	52	302	11	1,526
1-2pm	1,683	28	36	154	7	1,908					1,168	33	53	303	10	1,567
2-3pm	1,953	22	35	138	10	2,158					1,252	39	42	216	10	1,559
3-4pm	2,126	54	105	206	6	2,497					1,236	26	29	124	10	1,425
4-5pm	2,517	60	71	122	8	2,778			**		1,168	26	31	137	7	1,369
5-6pm	2,565	49	67	90	10	2,781					1,279	25	40	118	3	1,465
6-7pm	2,453	35	61	68	7	2,624					1,238	11	51	91	2	1,393
7-8pm	2,372	32	66	58	7	2,535					1,216	18	38	72	0	1,344
8-9pm	2,256	25	42	45	5	2,373					1,235	13	21	68	2	1,339
9-10pm	2,122	35	38	38	5	2,238					1,448	7	10	28	0	1,493
10-11pm	2,299	30	28	31	4	2,392					3,289	15	11	41	1	3,357
11-12pm	2,433	23	20	26	3	2,505					3,183	5	4	18	1	3,211
Totals	41,424	727	928	2,065	155	45,299					38,282	629	762	3,883	232	43,788
7-10am	4,412	124	184	542	37	5,299					6,256	149	164	1,123	63	7,755
10am-1pm	4,681	63	100	395	24	5,263					3,780	107	136	863	30	4,916
1-4pm	5,762	104	176	498	23	6,563					3,656	98	124	643	30	4,551
4-7pm	7,535	144	199	280	25	8,183					3,685	62	122	346	12	4,227
7am-7pm	22,390	435	659	1,715	109	25,308					17,377	416	546	2,975	135	21,449
6-10am	5,737	157	221	625	47	6,787					8,019	203	231	1,413	103	9,969
3-7pm	9,661	198	304	486	31	10,680					4,921	88	151	470	22	5,652
6am-7pm	23,715	468	696	1,798	119	26,796					19,140	470	613	3,265	175	23,663

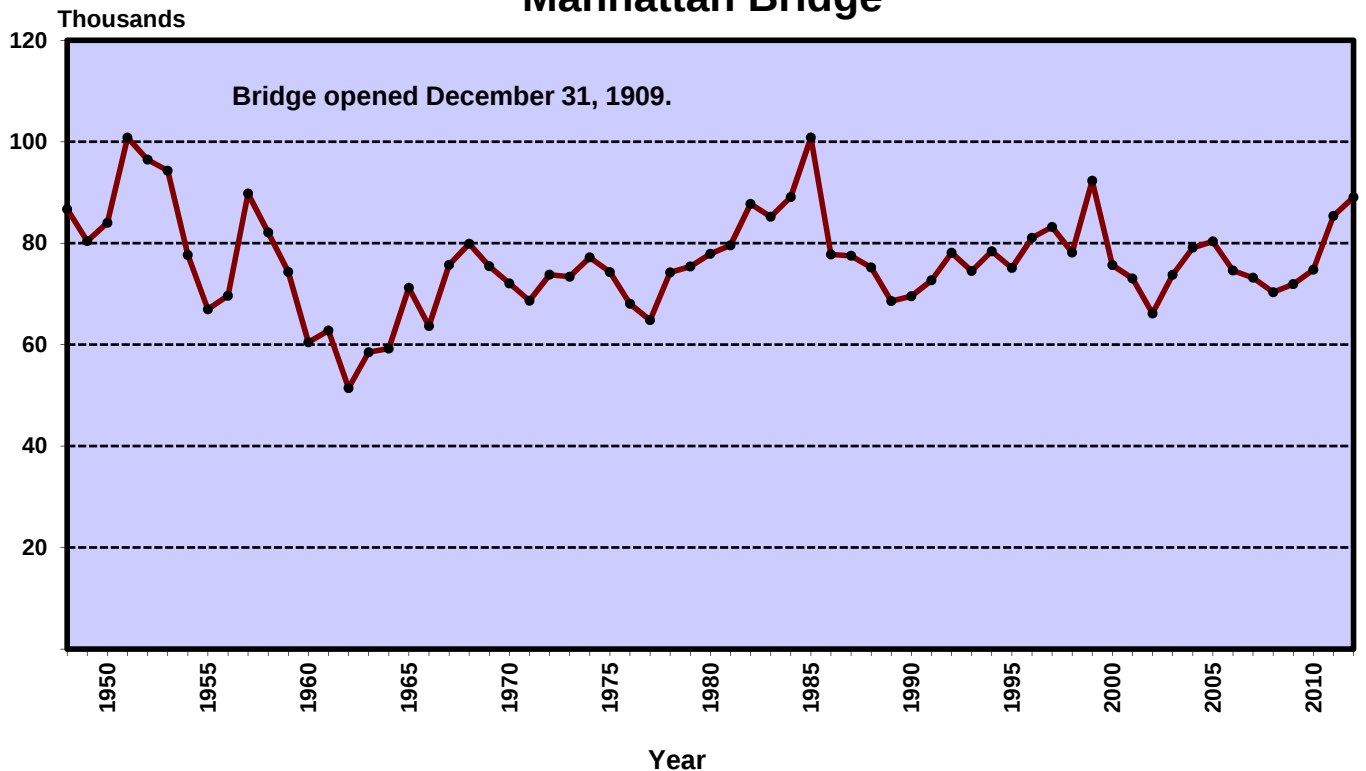
Based on April 2006 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Manhattan Bridge ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Manhattan Bridge



Hourly Vehicular Volumes Williamsburg Bridge - 2012

Eastbound to Brooklyn

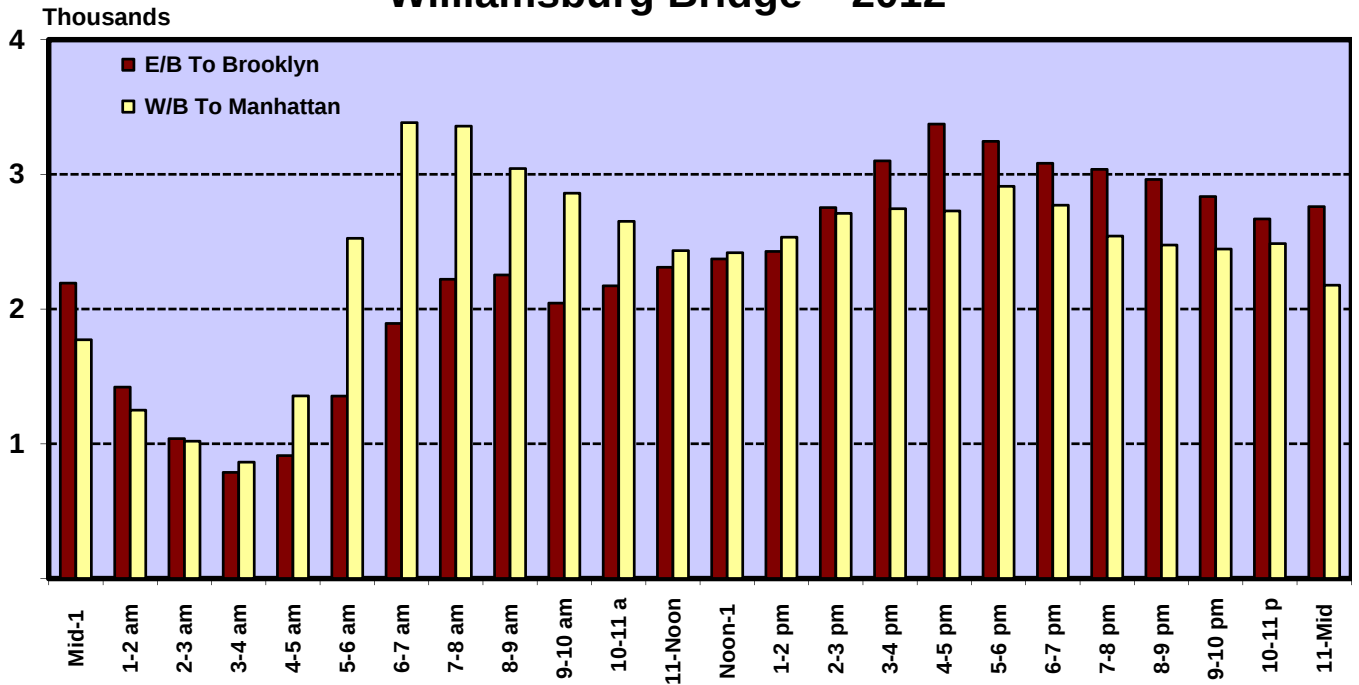
Westbound to Manhattan

FHWA Classes	Commuter Vans							Commuter Vans							2-Way Grand Totals
	Commercial Vans				Single Unit Trucks	Tractor Trailers	Total Vehicles	Commercial Vans				Single Unit Trucks	Tractor Trailers	Total Vehicles	
	Autos & Motorcycles	Pickups	Large SUVs	Buses				Autos & Motorcycles	Pickups	Large SUVs	Buses				
	1 & 2	3	4	5 - 7	8 - 13			1 & 2	3	4	5 - 7	8 - 13			
12-1am	2,183	7	1	2	0		2,193	1,766	5	1	0	0	1,772	3,965	
1-2am	1,416	3	1	0	1		1,421	1,242	4	2	2	0	1,250	2,671	
2-3am	1,028	5	3	2	1		1,039	1,008	7	1	3	1	1,020	2,059	
3-4am	773	7	3	3	2		788	856	4	1	2	1	864	1,652	
4-5am	899	7	3	3	0		912	1,346	6	1	1	1	1,355	2,267	
5-6am	1,330	7	10	7	0		1,354	2,509	7	7	1	2	2,526	3,880	
6-7am	1,820	14	32	25	3		1,894	3,341	17	17	9	0	3,384	5,278	**
7-8am	2,102	25	53	40	1		2,221	3,293	31	20	14	0	3,358	5,579	
8-9am	2,145	24	48	34	3		2,254	2,972	34	21	16	1	3,044	5,298	
9-10am	1,931	30	48	34	2		2,045	2,797	28	19	13	3	2,860	4,905	
10-11am	2,017	41	69	45	1		2,173	2,590	33	18	8	3	2,652	4,825	
11-12am	2,159	37	64	48	2		2,310	2,382	27	16	8	1	2,434	4,744	
12-1pm	2,219	61	28	61	3		2,372	2,350	34	17	17	1	2,419	4,791	
1-2pm	2,271	69	31	53	4		2,428	2,464	33	20	16	1	2,534	4,962	
2-3pm	2,604	59	40	48	3		2,754	2,644	32	16	17	2	2,711	5,465	
3-4pm	2,940	66	38	54	3		3,101	2,671	29	21	22	2	2,745	5,846	
4-5pm	3,216	64	39	49	6	**	3,374	2,651	38	20	19	1	2,729	6,103	**
5-6pm	3,117	59	35	33	1		3,245	2,826	41	25	18	2	2,912	6,157	**
6-7pm	2,993	39	25	24	2		3,083	2,704	33	16	16	2	2,771	5,854	
7-8pm	2,960	31	25	21	1		3,038	2,490	25	15	12	0	2,542	5,580	
8-9pm	2,901	26	20	14	2		2,963	2,452	14	5	4	1	2,476	5,439	
9-10pm	2,802	14	13	5	2		2,836	2,424	14	4	3	1	2,446	5,282	
10-11pm	2,648	11	4	4	2		2,669	2,465	15	2	3	1	2,486	5,155	
11-12pm	2,749	7	2	3	0		2,761	2,166	8	2	2	0	2,178	4,939	
Totals	53,223	713	635	612	45		55,228	56,409	519	287	226	27	57,468	112,696	
7-10am	6,178	79	149	108	6		6,520	9,062	93	60	43	4	9,262	15,782	
10am-1pm	6,395	139	161	154	6		6,855	7,322	94	51	33	5	7,505	14,360	
1-4pm	7,815	194	109	155	10		8,283	7,779	94	57	55	5	7,990	16,273	
4-7pm	9,326	162	99	106	9		9,702	8,181	112	61	53	5	8,412	18,114	
7am-7pm	29,714	574	518	523	31		31,360	32,344	393	229	184	19	33,169	64,529	
6-10am	7,998	93	181	133	9		8,414	12,403	110	77	52	4	12,646	21,060	
3-7pm	12,266	228	137	160	12		12,803	10,852	141	82	75	7	11,157	23,960	
6am-7pm	31,534	588	550	548	34		33,254	35,685	410	246	193	19	36,553	69,807	

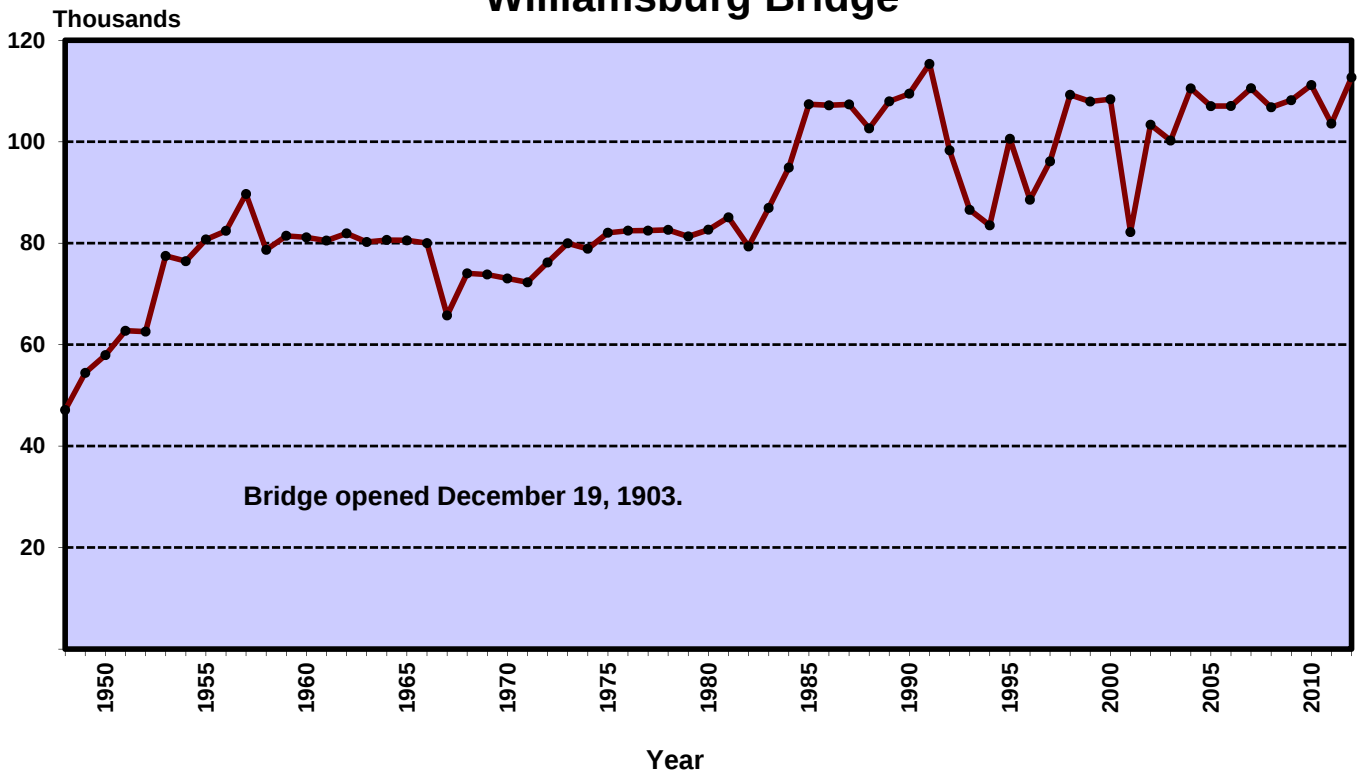
Based on March 2006 Classification Survey Data.

** Peak Volumes

Hourly Vehicular Volumes Williamsburg Bridge ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Williamsburg Bridge



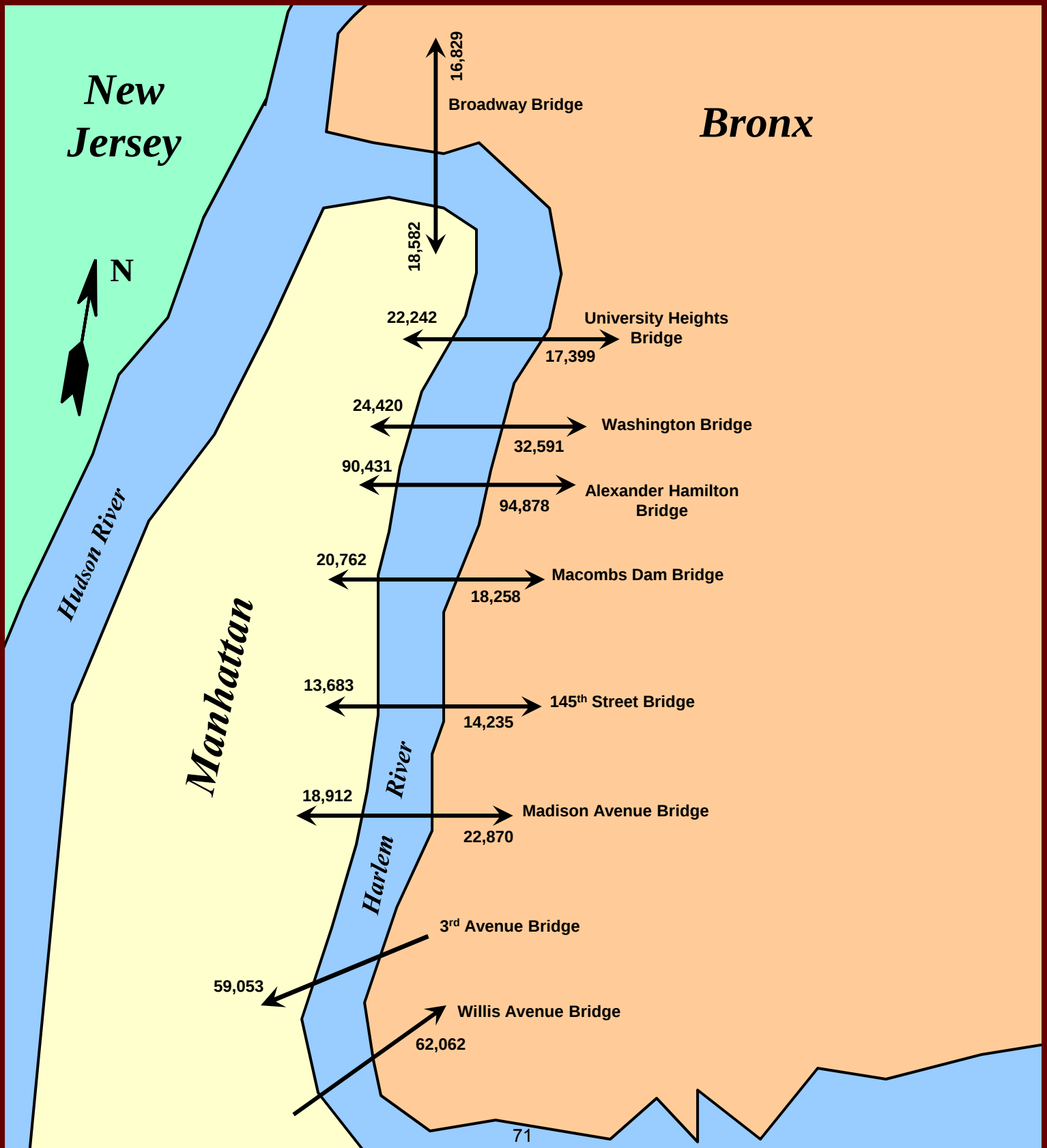
Harlem River Bridges



University Heights Bridge

Harlem River Bridges

2012 Daily Volumes



Harlem River Bridges
Average Daily Traffic Volumes
1948 - 2012

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

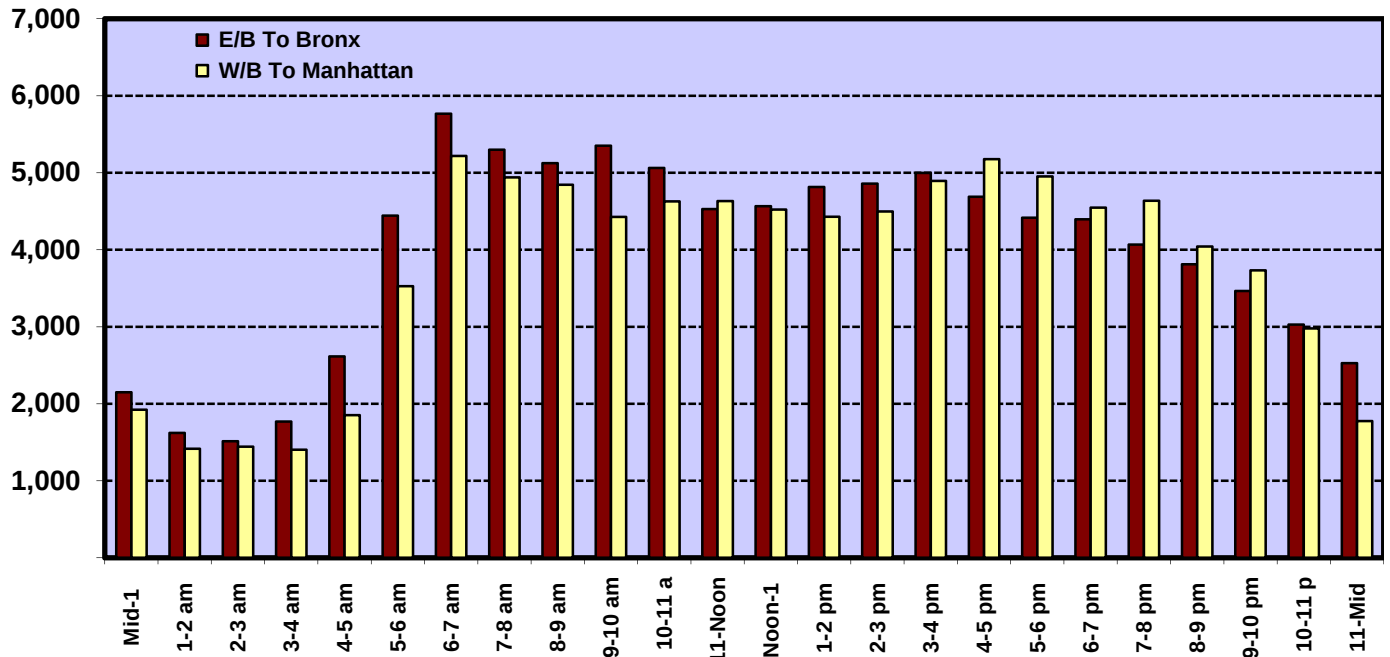
Harlem River Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2012

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

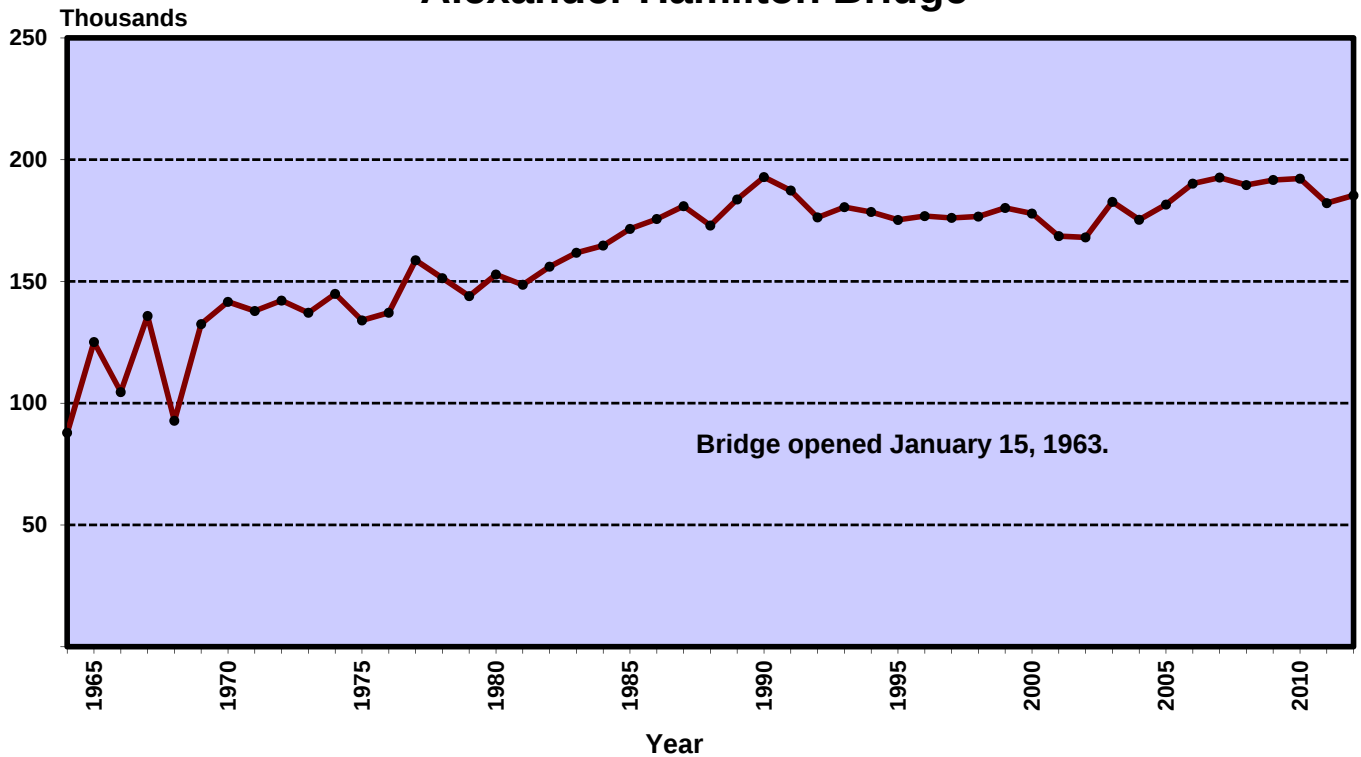
Hourly Vehicular Volumes Alexander Hamilton Bridge - 2012

	Eastbound to Bronx					Westbound to Manhattan					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals
12-1am	---	---	---	---	---	2,150	---	---	---	---	---	1,922
1-2am	---	---	---	---	---	1,622	---	---	---	---	---	1,415
2-3am	---	---	---	---	---	1,513	---	---	---	---	---	1,443
3-4am	---	---	---	---	---	1,770	---	---	---	---	---	1,403
4-5am	---	---	---	---	---	2,614	---	---	---	---	---	1,853
5-6am	---	---	---	---	---	4,442	---	---	---	---	---	3,526
6-7am	---	---	---	---	---	5,767 **	---	---	---	---	---	5,218 **
7-8am	4,137	14	239	790	120	5,300	4,177	9	89	444	220	4,939
8-9am	3,723	5	243	936	217	5,124	4,141	34	34	481	153	4,843
9-10am	3,744	5	240	1,226	135	5,350	3,404	49	28	747	199	4,427
10-11am	4,546	3	108	355	51	5,063	4,005	28	18	432	145	4,628
11-12am	3,395	10	244	755	125	4,529	3,282	14	21	1,024	291	4,632
12-1pm	3,959	0	112	446	49	4,566	3,830	11	10	535	136	4,522
1-2pm	3,669	8	175	875	87	4,814	3,308	12	24	860	225	4,429
2-3pm	3,762	6	200	780	110	4,858	3,357	19	41	900	180	4,497
3-4pm	4,453	8	90	348	98	4,997	4,261	23	17	501	91	4,893
4-5pm	3,931	6	148	491	112	4,688	3,904	4	45	985	238	5,176
5-6pm	3,851	5	108	362	90	4,416	3,883	2	32	866	170	4,953
6-7pm	3,694	8	194	424	75	4,395	3,910	3	23	474	136	4,546
7-8pm	---	---	---	---	---	4,067	---	---	---	---	---	4,636
8-9pm	---	---	---	---	---	3,812	---	---	---	---	---	4,043
9-10pm	---	---	---	---	---	3,465	---	---	---	---	---	3,732
10-11pm	---	---	---	---	---	3,029	---	---	---	---	---	2,979
11-12pm	---	---	---	---	---	2,527	---	---	---	---	---	1,776
Totals	---	---	---	---	---	94,878	---	---	---	---	---	90,431
7-10am	11,604	24	722	2,952	472	15,774	11,722	92	151	1,672	572	14,209
10am-1pm	11,900	13	464	1,556	225	14,158	11,117	53	49	1,991	572	13,782
1-4pm	11,884	22	465	2,003	295	14,669	10,926	54	82	2,261	496	13,819
4-7pm	11,476	19	450	1,277	277	13,499	11,697	9	100	2,325	544	14,675
7am-7pm	46,864	78	2,101	7,788	1,269	58,100	45,462	208	382	8,249	2,184	56,485
6-10am	---	---	---	---	---	21,541	---	---	---	---	---	19,427
3-7pm	15,929	27	540	1,625	375	18,496	15,958	32	117	2,826	635	19,568
6am-7pm	---	---	---	---	---	63,867	---	---	---	---	---	61,703
Totals	---	---	---	---	---	94,878	---	---	---	---	---	90,431
7-10am	11,604	24	722	2,952	472	15,774	11,722	92	151	1,672	572	14,209
10am-1pm	11,900	13	464	1,556	225	14,158	11,117	53	49	1,991	572	13,782
1-4pm	11,884	22	465	2,003	295	14,669	10,926	54	82	2,261	496	13,819
4-7pm	11,476	19	450	1,277	277	13,499	11,697	9	100	2,325	544	14,675
7am-7pm	46,864	78	2,101	7,788	1,269	58,100	45,462	208	382	8,249	2,184	56,485
6-10am	---	---	---	---	---	21,541	---	---	---	---	---	19,427
3-7pm	15,929	27	540	1,625	375	18,496	15,958	32	117	2,826	635	19,568
6am-7pm	---	---	---	---	---	63,867	---	---	---	---	---	61,703
Totals	---	---	---	---	---	94,878	---	---	---	---	---	90,431
7-10am	11,604	24	722	2,952	472	15,774	11,722	92	151	1,672	572	14,209
10am-1pm	11,900	13	464	1,556	225	14,158	11,117	53	49	1,991	572	13,782
1-4pm	11,884	22	465	2,003	295	14,669	10,926	54	82	2,261	496	13,819
4-7pm	11,476	19	450	1,277	277	13,499	11,697	9	100	2,325	544	14,675
7am-7pm	46,864	78	2,101	7,788	1,269	58,100	45,462	208	382	8,249	2,184	56,485
6-10am	---	---	---	---	---	21,541	---	---	---	---	---	19,427
3-7pm	15,929	27	540	1,625	375	18,496	15,958	32	117	2,826	635	19,568
6am-7pm	---	---	---	---	---	63,867	---	---	---	---	---	61,703
Totals	---	---	---	---	---	94,878	---	---	---	---	---	90,431
7-10am	11,604	24	722	2,952	472	15,774	11,722	92	151	1,672	572	14,209
10am-1pm	11,900	13	464	1,556	225	14,158	11,117	53	49	1,991	572	13,782
1-4pm	11,884	22	465	2,003	295	14,669	10,926	54	82	2,261	496	13,819
4-7pm	11,476	19	450	1,277	277	13,499	11,697	9	100	2,325	544	14,675
7am-7pm	46,864	78	2,101	7,788	1,269	58,100	45,462	208	382	8,249	2,184	56,485
6-10am	---	---	---	---	---	21,541	---	---	---	---	---	19,427
3-7pm	15,929	27	540	1,625	375	18,496	15,958	32	117	2,826	635	19,568
6am-7pm	---	---	---	---	---	63,867	---	---	---	---	---	61,703
Totals	---	---	---	---	---	94,878	---	---	---	---	---	90,431
7-10am	11,604	24	722	2,952	472	15,774	11,722	92	151	1,672	572	14,209
10am-1pm	11,900	13	464	1,556	225	14,158	11,117	53	49	1,991	572	13,782
1-4pm	11,884	22	465	2,003	295	14,669	10,926	54	82	2,261	496	13,819
4-7pm	11,476	19	450	1,277	277	13,499	11,697	9	100	2,325	544	14,675
7am-7pm	46,864	78	2,101	7,788	1,269	58,100	45,462	208	382	8,249	2,184	56,485
6-10am	---	---	---	---	---	21,541	---	---	---	---	---	19,427
3-7pm	15,929	27	540	1,625	375	18,496	15,958	32	117	2,826	635	19,568
6am-7pm	---	---	---	---	---	63,867	---	---	---	---	---	61,703
Totals	---	---	---	---	---	94,878	---	---	---	---	---	90,431
7-10am	11,604	24	722	2,952	472	15,774	11,722	92	151	1,672	572	14,209
10am-1pm	11,900	13	464	1,556	225	14,158	11,117	53	49	1,991	572	13,782
1-4pm	11,884	22	465	2,003	295	14,669	10,926	54	82	2,261	496	13,819
4-7pm	11,476	19	450	1,277	277	13,499	11,697	9	100	2,325	544	14,675
7am-7pm	46,864	78	2,101	7,788	1,269	58,100	45,462	208	382	8,249	2,184	56,485
6-10am	---	---	---	---	---	21,541	---	---	---	---	---	19,427
3-7pm	15,929	27	540	1,625	375	18,496	15,958	32	117	2,826	635	19,568
6am-7pm	---	---	---	---	---	63,867	---	---	---	---	---	61,703
Totals	---	---	---	---	---	94,878	---	---	---	---	---	90,431
7-10am	11,604	24	722	2,952	472	15,774	11,722	92	151	1,672	572	14,209
10am-1pm	11,900	13	464	1,556	225	14,158	11,117	53	49	1,991	572	13,782
1-4pm	11,884	22	465	2,003	295	14,669	10,926	54	82	2,261	496	13,819
4-7pm	11,476	19	450	1,277	277	13,499	11,697	9	100	2,325	544	14,675
7am-7pm	46,864	78	2,101	7,788	1,269	58,100	45,462	208	382	8,249	2,184	56,485
6-10am	---	---	---	---	---	21,541	---	---	---	---	---	19,427
3-7pm	15,929	27	540	1,625	375	18,496	15,958	32	117	2,826	635	19,568
6am-7pm	---	---	---	---	---	63,867	---	---	---	---	---	61,703
Totals	---	---	---	---	---	94,878	---	---	---	---	---	90,431
7-10am	11,604	24	722	2,952	472	15,774	11,722	92	151	1,672	572	14,209
10am-1pm	11,900	13	464	1,556	225	14,158	11,117	53	49	1,991	572	13,782
1-4pm	11,884	22	465	2,003	295	14,669	10,926	54	82	2,261	496	13,819
4-7pm	11,476	19	450	1,277	277	13,499	11,697	9	100	2,325	544	14,675
7am-7pm	46,864	78	2,101	7,788	1,269	58,100	45,462	208	382	8,249	2,184	56,485
6-10am	---	---	---	---	---	21,541	---	---	---	---	---	19,427
3-7pm	15,929	27	540	1,625	375	18,496	15,958	32	117	2,826	635	19,568
6am-7pm	---	---	---	---	---	63,867	---	---	---	---	---	61,703
Totals	---	---	---	---	---	94,878	---	---	---	---	---	90,431
7-10am	11,604	24	722	2,952	472	15,774	11,722	92	151	1,672	572	14,209
10am-1pm	11,900	13	464	1,556	225	14,158	11,117	53	49	1,991	572	13,782
1-4pm	11,884	22	465	2,003	295	14,669	10,926	54	82	2,261	496	13,819
4-7pm	11,476	19	450	1,277	277	13,499	11,697	9	100	2,325	544	14,675
7am-7pm	46,864	78	2,101	7,788	1,269	58,100	45,462	208	382	8,249	2,184	56,485
6-10am	---	---	---	---	---	21,541	---	---	---	---	---	19,427
3-7pm	15,929	27	540	1,625	375	18,496	15,958	32	117	2,826	635	19,568
6am-7pm	---	---	---	---	---	63,867	---	---	---	---	---	61,703
Totals	---	---	---	---	---	94,878	---	---	---	---	---	90,431
7-10am	11,604	24	722	2,952	472	15,774	11,722	92	151	1,672	572	14,209
10am-1pm	11,900	13	464	1,556	225	14,158	11,117	53	49	1,991	572	13,782
1-4pm	11,884	22	465	2,003	295	14,669	10,926	54	82	2,261	496	13,819
4-7pm												

Hourly Vehicular Volumes Alexander Hamilton Bridge ~ 2012



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



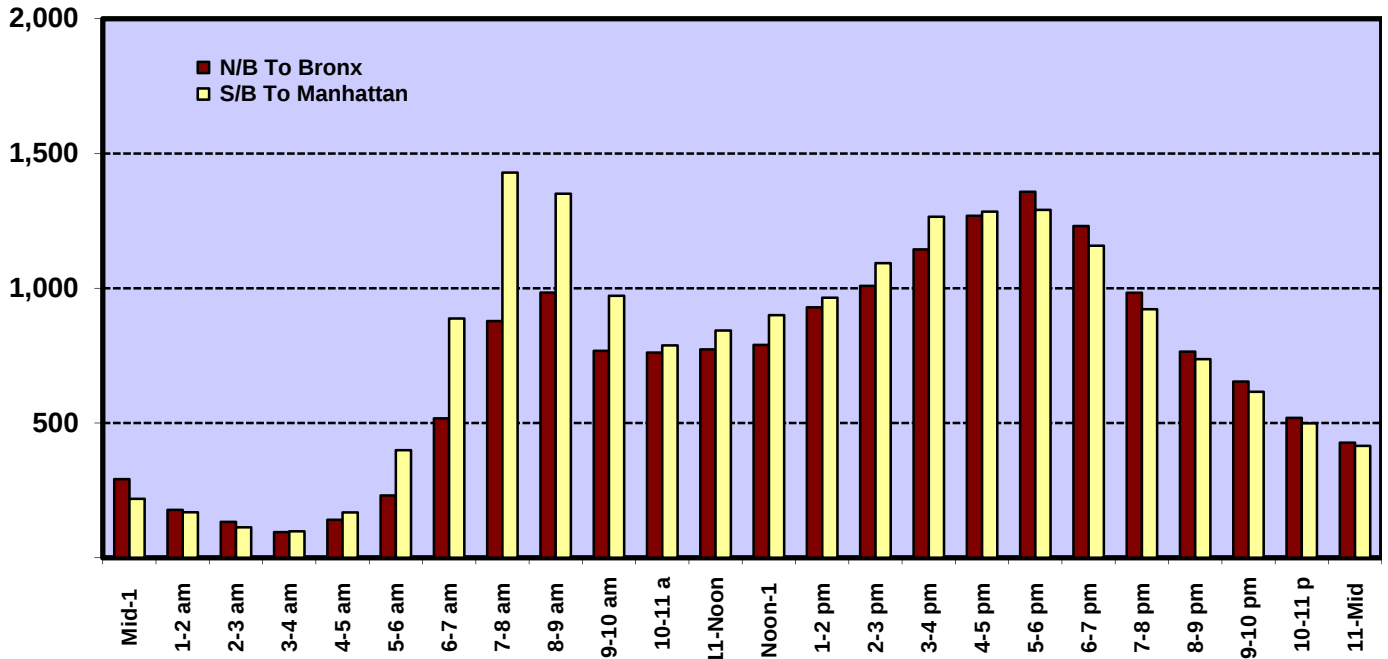
Hourly Vehicular Volumes Broadway Bridge - 2012

	Northbound to Bronx					Southbound to Manhattan					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	292	---	---	---	---	---	219
1-2am	---	---	---	---	---	178	---	---	---	---	---	169
2-3am	---	---	---	---	---	133	---	---	---	---	---	113
3-4am	---	---	---	---	---	95	---	---	---	---	---	98
4-5am	---	---	---	---	---	141	---	---	---	---	---	168
5-6am	---	---	---	---	---	231	---	---	---	---	---	399
6-7am	---	---	---	---	---	517	---	---	---	---	---	888
7-8am	715	40	21	72	30	878	1,260	58	40	29	42	1,429 **
8-9am	838	61	21	36	28	984	1,199	41	28	42	41	1,351
9-10am	656	23	3	27	59	768	830	32	24	49	37	972
10-11am	683	17	2	35	24	761	717	19	10	33	9	788
11-12am	676	21	8	27	41	773	698	23	23	49	50	843
12-1pm	721	21	5	21	22	790	847	21	4	17	11	900
1-2pm	841	26	3	29	30	929	893	25	9	21	17	965
2-3pm	872	25	1	37	74	1,009	986	31	23	35	18	1,093
3-4pm	1,059	26	9	14	36	1,144	1,188	33	14	19	11	1,265
4-5pm	1,124	39	27	24	55	1,269	1,161	31	21	36	35	1,284
5-6pm	1,244	29	8	12	65	1,358 **	1,187	30	31	19	24	1,291
6-7pm	1,091	21	0	12	107	1,231	1,077	29	26	18	8	1,158
7-8pm	---	---	---	---	---	983	---	---	---	---	---	922
8-9pm	---	---	---	---	---	765	---	---	---	---	---	737
9-10pm	---	---	---	---	---	654	---	---	---	---	---	616
10-11pm	---	---	---	---	---	519	---	---	---	---	---	499
11-12pm	---	---	---	---	---	427	---	---	---	---	---	415
Totals	---	---	---	---	---	16,829	---	---	---	---	---	18,582
7-10am	2,209	124	45	135	117	2,630	3,289	131	92	120	120	3,752
10am-1pm	2,080	59	15	83	87	2,324	2,262	63	37	99	70	2,531
1-4pm	2,772	77	13	80	140	3,082	3,067	89	46	75	46	3,323
4-7pm	3,459	89	35	48	227	3,858	3,425	90	78	73	67	3,733
7am-7pm	10,520	349	108	346	571	11,894	12,043	373	253	367	303	13,339
6-10am	---	---	---	---	---	3,147	---	---	---	---	---	4,640
3-7pm	4,518	115	44	62	263	5,002	4,613	123	92	92	78	4,998
6am-7pm	---	---	---	---	---	12,411	---	---	---	---	---	14,227

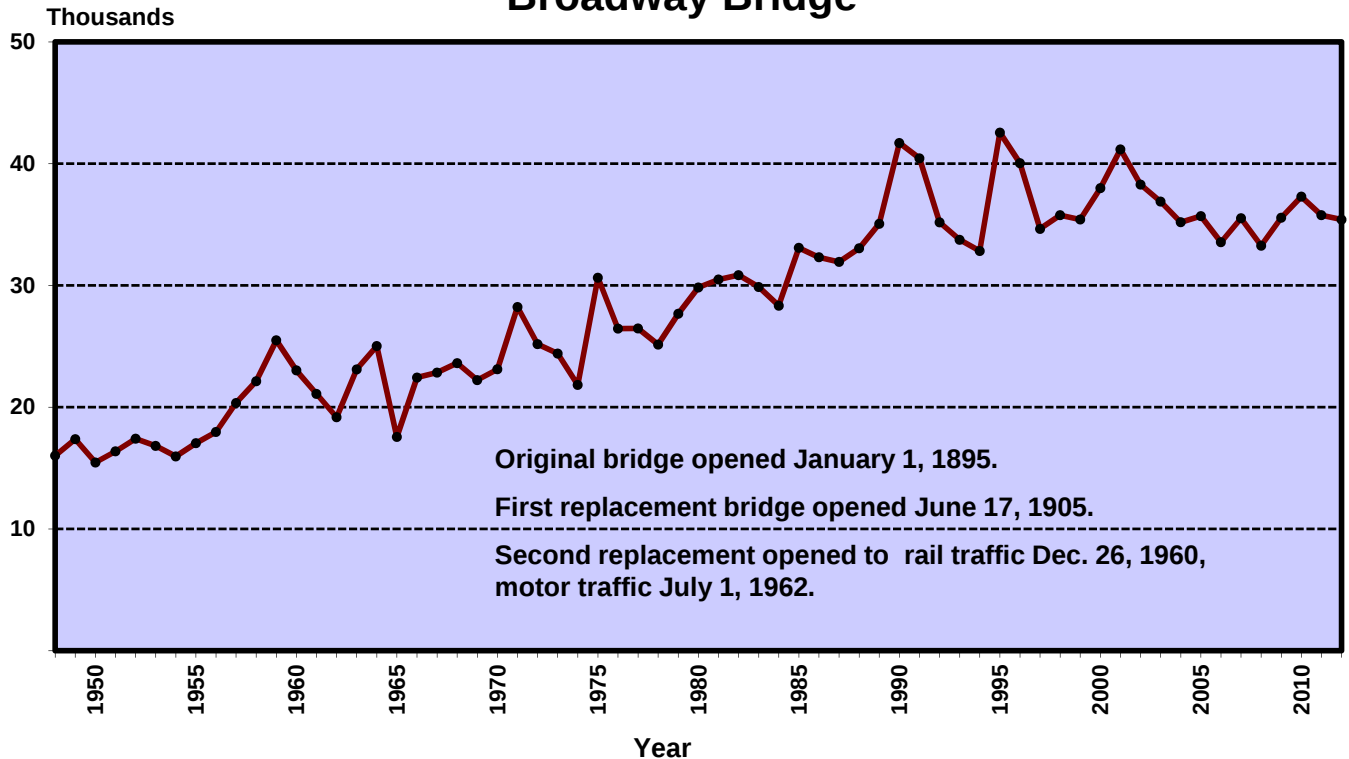
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Broadway Bridge ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Broadway Bridge



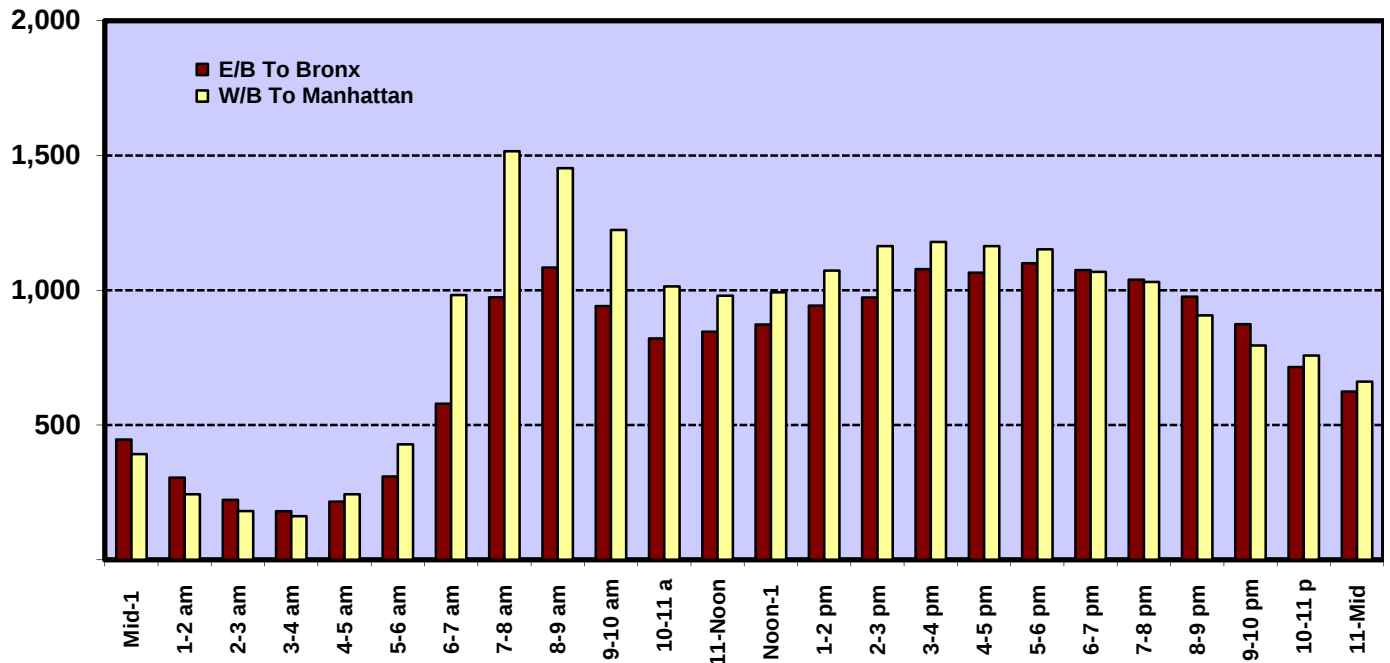
Hourly Vehicular Volumes Macombs Dam Bridge - 2012

	Eastbound to Bronx					Westbound to Manhattan					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	446	---	---	---	---	---	392
1-2am	---	---	---	---	---	305	---	---	---	---	---	243
2-3am	---	---	---	---	---	222	---	---	---	---	---	181
3-4am	---	---	---	---	---	180	---	---	---	---	---	162
4-5am	---	---	---	---	---	216	---	---	---	---	---	243
5-6am	---	---	---	---	---	309	---	---	---	---	---	428
6-7am	---	---	---	---	---	579	---	---	---	---	---	982
7-8am	799	32	21	49	73	974	1,168	37	6	83	222	1,516 **
8-9am	907	13	16	55	93	1,084	1,181	10	2	93	167	1,453
9-10am	805	18	13	51	54	941	913	19	13	106	173	1,224
10-11am	741	7	3	31	39	821	905	8	7	39	55	1,014
11-12am	700	9	11	58	68	846	810	6	13	71	80	980
12-1pm	796	9	6	26	36	873	914	17	3	18	40	992
1-2pm	883	2	6	27	25	943	950	19	7	21	76	1,073
2-3pm	808	12	20	64	69	973	993	22	15	49	85	1,164
3-4pm	939	20	8	51	60	1,078	1,077	33	9	20	40	1,179
4-5pm	826	7	27	71	134	1,065	1,021	9	28	37	69	1,164
5-6pm	924	8	13	33	122	1,100 **	1,056	12	9	17	58	1,152
6-7pm	1,002	3	6	24	40	1,075	957	6	11	21	73	1,068
7-8pm	---	---	---	---	---	1,039	---	---	---	---	---	1,031
8-9pm	---	---	---	---	---	976	---	---	---	---	---	907
9-10pm	---	---	---	---	---	874	---	---	---	---	---	795
10-11pm	---	---	---	---	---	715	---	---	---	---	---	758
11-12pm	---	---	---	---	---	624	---	---	---	---	---	661
Totals	---	---	---	---	---	18,258	---	---	---	---	---	20,762
7-10am	2,511	63	50	155	220	2,999	3,262	66	21	282	562	4,193
10am-1pm	2,237	25	20	115	143	2,540	2,629	31	23	128	175	2,986
1-4pm	2,630	34	34	142	154	2,994	3,020	74	31	90	201	3,416
4-7pm	2,752	18	46	128	296	3,240	3,034	27	48	75	200	3,384
7am-7pm	10,130	140	150	540	813	11,773	11,945	198	123	575	1,138	13,979
6-10am	---	---	---	---	---	3,578	---	---	---	---	---	5,175
3-7pm	3,691	38	54	179	356	4,318	4,111	60	57	95	240	4,563
6am-7pm	---	---	---	---	---	12,352	---	---	---	---	---	14,961
							</					

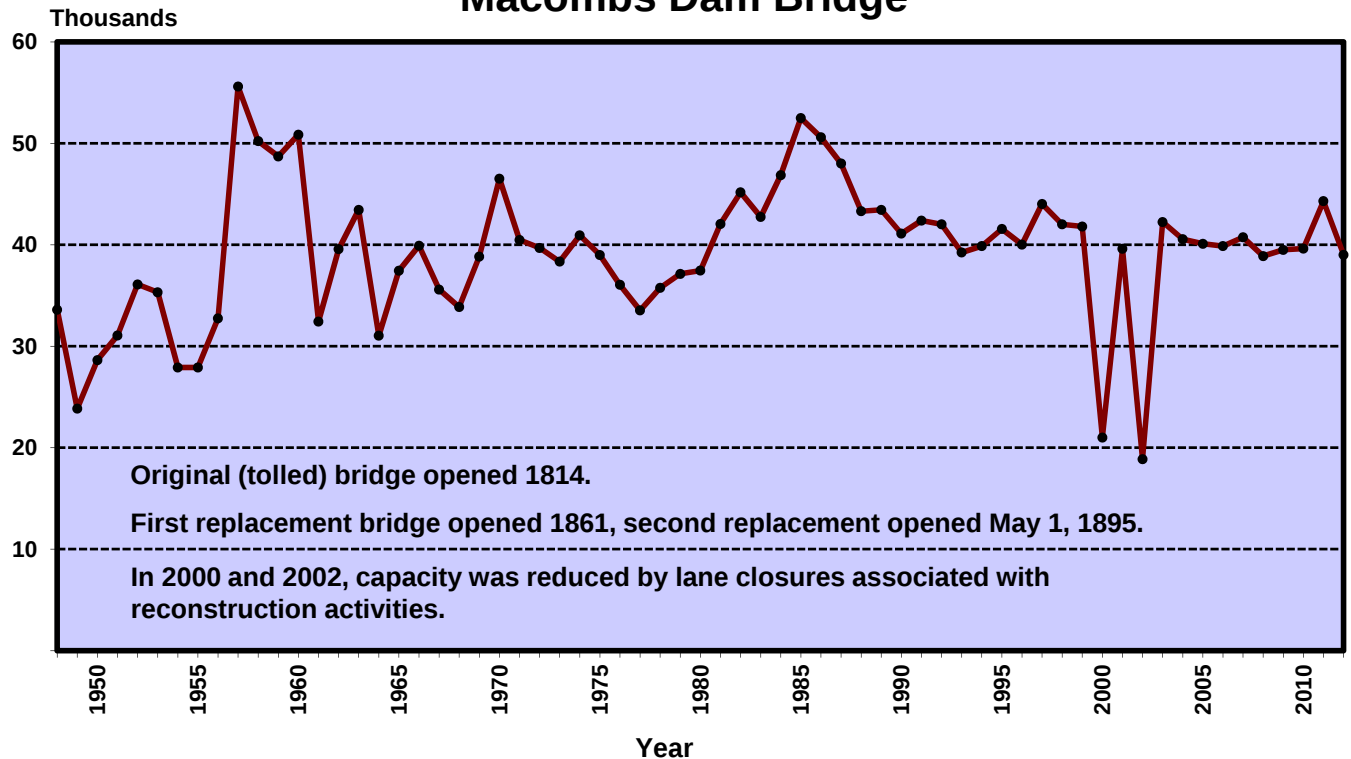
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Macombs Dam Bridge ~ 2012



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



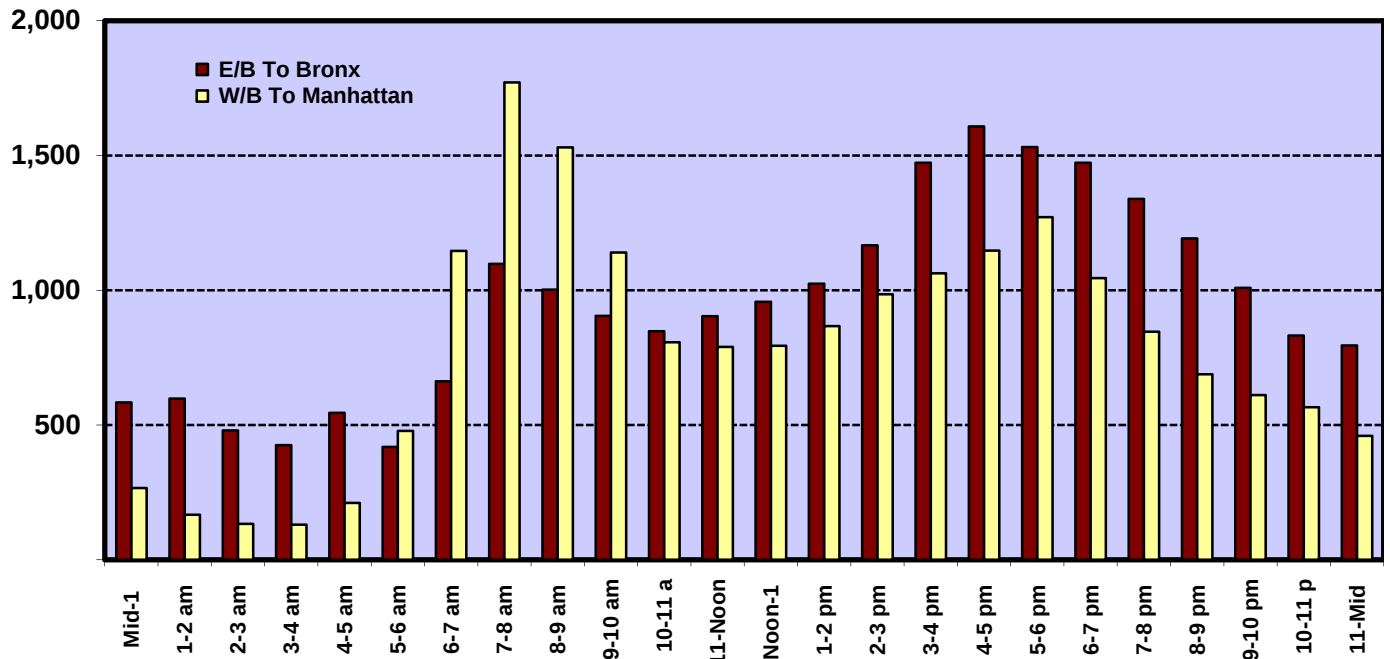
Hourly Vehicular Volumes Madison Avenue Bridge - 2012

	Eastbound to Bronx					Totals	Westbound to Manhattan					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	584	---	---	---	---	---	266
1-2am	---	---	---	---	---	598	---	---	---	---	---	167
2-3am	---	---	---	---	---	480	---	---	---	---	---	133
3-4am	---	---	---	---	---	425	---	---	---	---	---	130
4-5am	---	---	---	---	---	545	---	---	---	---	---	211
5-6am	---	---	---	---	---	419	---	---	---	---	---	478
6-7am	---	---	---	---	---	662	---	---	---	---	---	1,146
7-8am	856	43	94	55	50	1,098	1,450	116	16	59	130	1,771 **
8-9am	785	54	70	41	52	1,002	1,211	101	29	64	125	1,530
9-10am	649	58	84	70	44	905	805	58	32	139	106	1,140
10-11am	704	32	42	31	39	848	657	55	18	18	59	807
11-12am	611	24	80	99	90	904	601	23	31	59	76	790
12-1pm	818	27	32	39	41	957	668	29	22	27	48	794
1-2pm	870	30	32	44	48	1,024	737	50	26	14	40	867
2-3pm	851	32	75	104	105	1,167	786	66	27	30	76	985
3-4pm	1,269	26	40	72	66	1,473	916	63	18	24	42	1,063
4-5pm	1,199	30	135	111	133	1,608 **	992	61	26	24	44	1,147
5-6pm	1,224	33	106	86	82	1,531	1,116	50	35	28	42	1,271
6-7pm	1,213	70	48	61	81	1,473	947	38	21	19	20	1,045
7-8pm	---	---	---	---	---	1,339	---	---	---	---	---	846
8-9pm	---	---	---	---	---	1,192	---	---	---	---	---	688
9-10pm	---	---	---	---	---	1,009	---	---	---	---	---	611
10-11pm	---	---	---	---	---	832	---	---	---	---	---	566
11-12pm	---	---	---	---	---	795	---	---	---	---	---	460
Totals	---	---	---	---	---	22,870	---	---	---	---	---	18,912
7-10am	2,290	155	248	166	146	3,005	3,466	275	77	262	361	4,441
10am-1pm	2,133	83	154	169	170	2,709	1,926	107	71	104	183	2,391
1-4pm	2,990	88	147	220	219	3,664	2,439	179	71	68	158	2,915
4-7pm	3,636	133	289	258	296	4,612	3,055	149	82	71	106	3,463
7am-7pm	11,049	459	838	813	831	13,990	10,886	710	301	505	808	13,210
6-10am	---	---	---	---	---	3,667	---	---	---	---	---	5,587
3-7pm	4,905	159	329	330	362	6,085	3,971	212	100	95	148	4,526
6am-7pm	---	---	---	---	---	14,652	---	---	---	---	---	14,356
2-Way Totals	850											
	765											
	613											
	555											
	756											
	897											
	1,808											
	2,869											
	2,532											
	2,045											
	1,655											
	1,694											
	1,751											
	1,891											
	2,152											
	2,536											
	2,755											
	2,802											
	2,518											
	2,185											
	1,880											
	1,620											
	1,398											
	1,255											
	41,782											

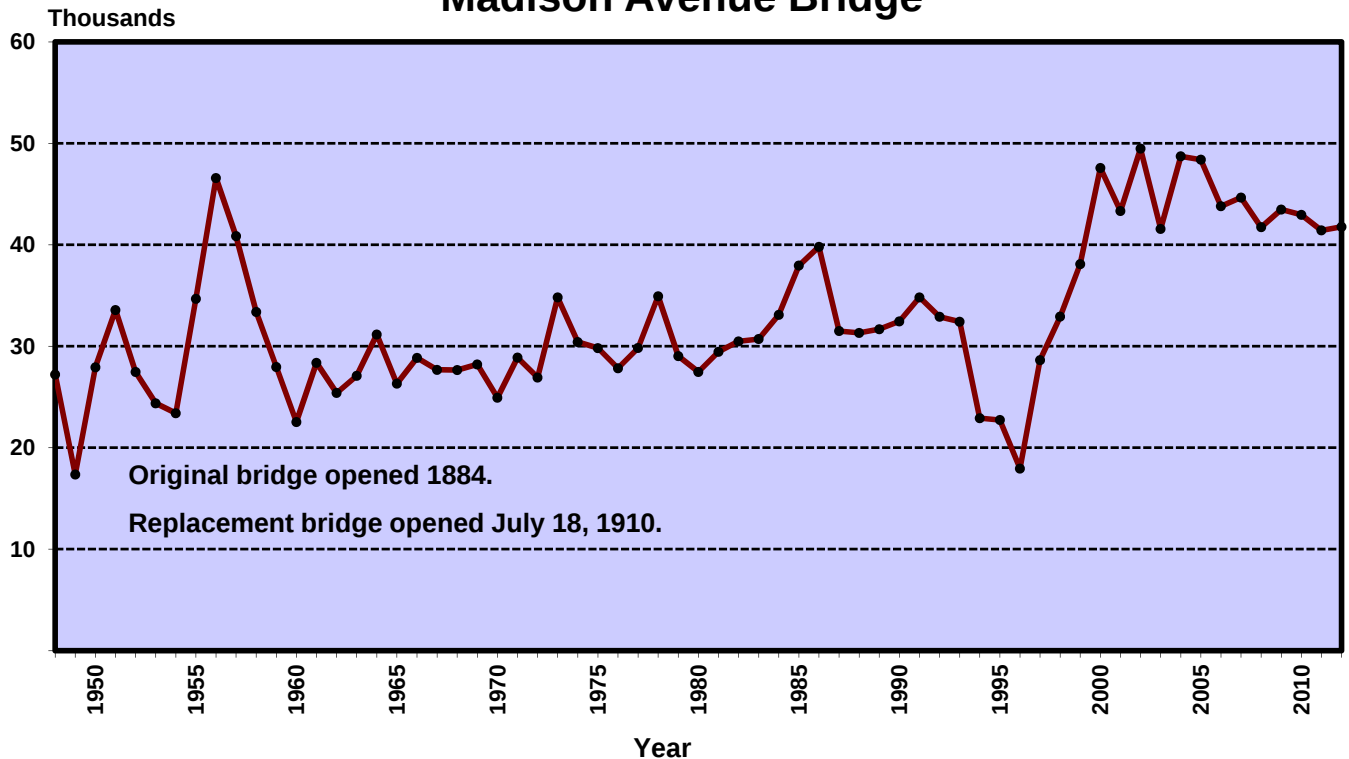
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Madison Avenue Bridge ~ 2012



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



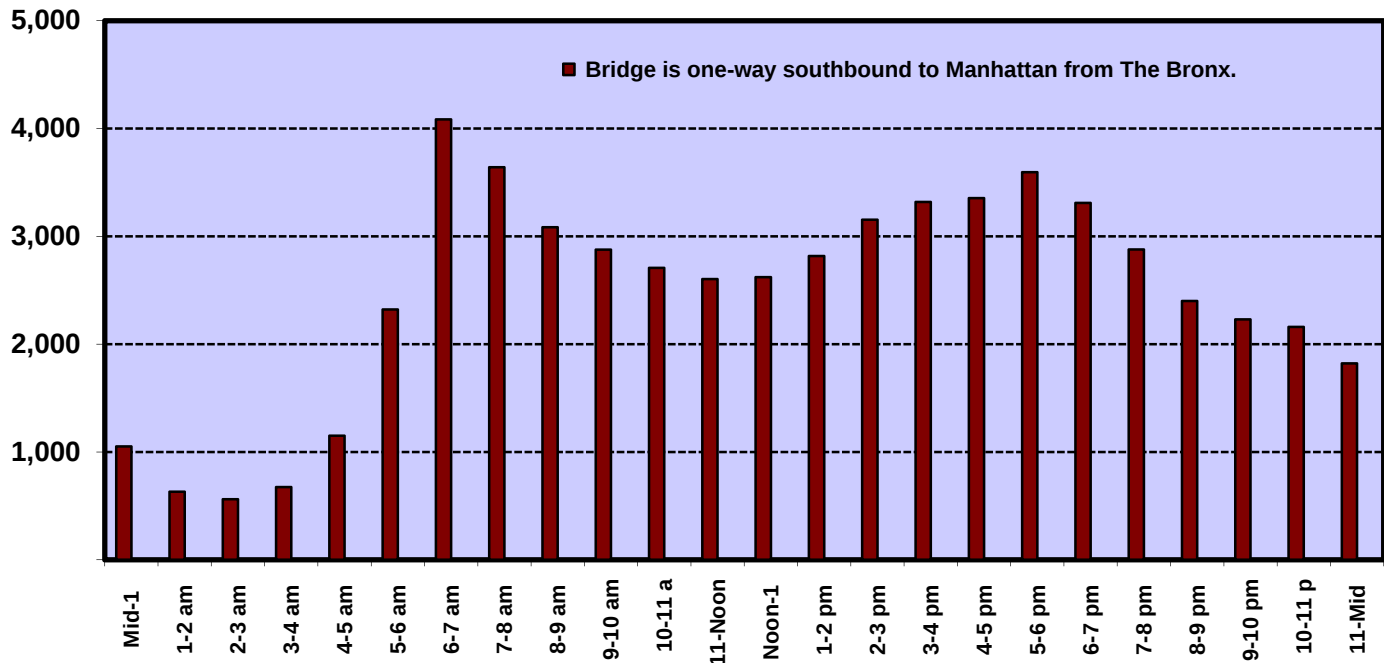
Hourly Vehicular Volumes Third Avenue Bridge - 2012

Northbound to Bronx						Southbound to Manhattan						2-Way Totals
Commuter			Commercial			Commuter			Commercial			
Autos	Buses	Vans	Trucks	Totals		Autos	Buses	Vans	Trucks	Totals		
Bridge is 1-way southbound to Manhattan												
12-1am	---	---	---	---	---	---	---	---	---	---	---	1,052
1-2am	---	---	---	---	---	---	---	---	---	---	---	632
2-3am	---	---	---	---	---	---	---	---	---	---	---	562
3-4am	---	---	---	---	---	---	---	---	---	---	---	675
4-5am	---	---	---	---	---	---	---	---	---	---	---	1,151
5-6am	---	---	---	---	---	---	---	---	---	---	---	2,322
6-7am	---	---	---	---	---	---	---	---	---	---	---	4,085 **
7-8am	2,340	48	362	488	403	2,340	48	362	488	403	3,641	
8-9am	2,021	29	200	409	426	2,021	29	200	409	426	3,085	
9-10am	1,922	31	253	375	296	1,922	31	253	375	296	2,877	
10-11am	2,265	28	150	145	120	2,265	28	150	145	120	2,708	
11-12am	1,735	48	281	333	206	1,735	48	281	333	206	2,603	
12-1pm	2,216	66	114	128	98	2,216	66	114	128	98	2,622	
1-2pm	2,105	96	183	160	274	2,105	96	183	160	274	2,818	
2-3pm	2,188	109	273	269	315	2,188	109	273	269	315	3,154	
3-4pm	2,972	88	102	83	74	2,972	88	102	83	74	3,319	
4-5pm	2,824	64	152	146	168	2,824	64	152	146	168	3,354	
5-6pm	3,194	63	132	112	94	3,194	63	132	112	94	3,595	
6-7pm	2,962	60	120	80	88	2,962	60	120	80	88	3,310	
7-8pm	---	---	---	---	---	---	---	---	---	---	2,878	
8-9pm	---	---	---	---	---	---	---	---	---	---	2,400	
9-10pm	---	---	---	---	---	---	---	---	---	---	2,229	
10-11pm	---	---	---	---	---	---	---	---	---	---	2,160	
11-12pm	---	---	---	---	---	---	---	---	---	---	1,821	
Totals	---	---	---	---	---	---	---	---	---	---	59,053	
7-10am	6,283	108	815	1,272	1,125	6,283	108	815	1,272	1,125	9,603	
10am-1pm	6,216	142	545	606	424	6,216	142	545	606	424	7,933	
1-4pm	7,265	293	558	512	663	7,265	293	558	512	663	9,291	
4-7pm	8,980	187	404	338	350	8,980	187	404	338	350	10,259	
7am-7pm	28,744	730	2,322	2,728	2,562	28,744	730	2,322	2,728	2,562	37,086	
6-10am	---	---	---	---	---	---	---	---	---	---	13,688	
3-7pm	11,952	275	506	421	424	11,952	275	506	421	424	13,578	
6am-7pm	---	---	---	---	---	---	---	---	---	---	41,171	

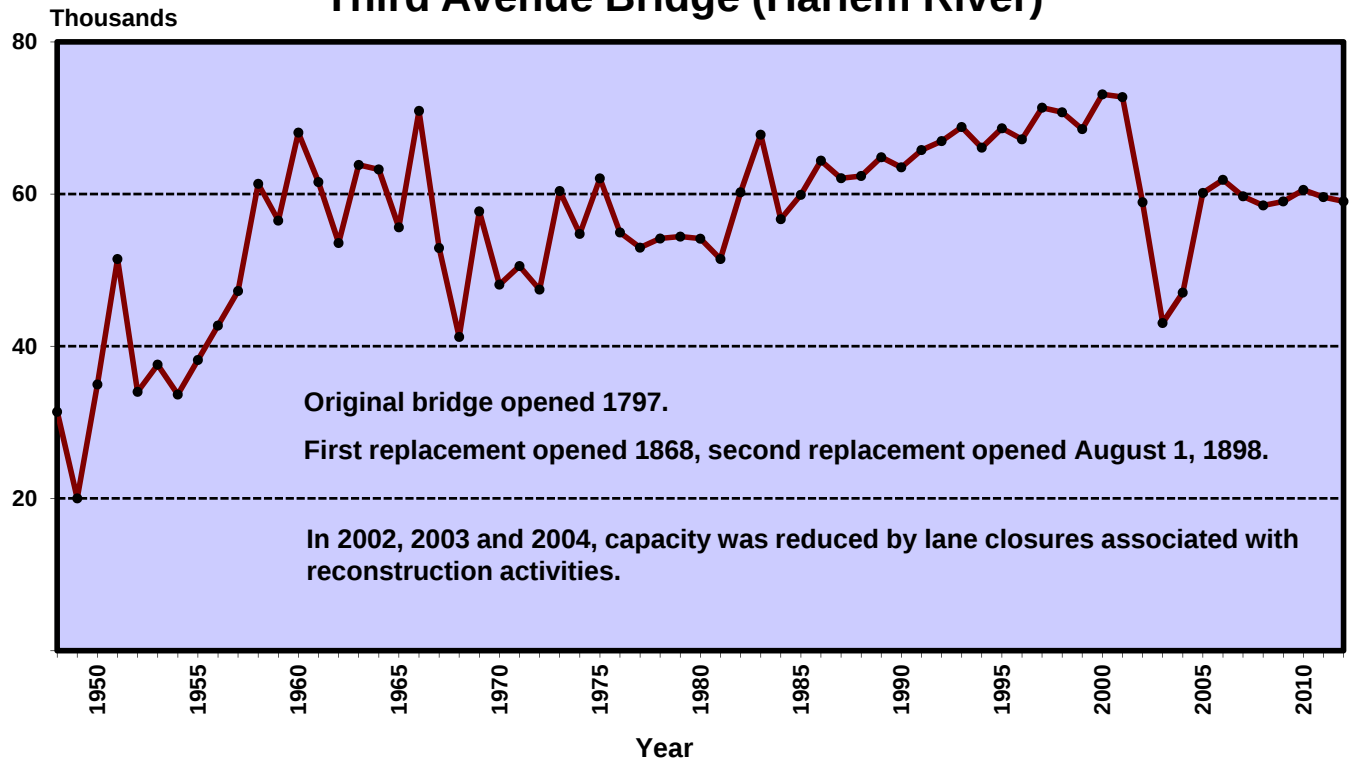
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Third Avenue Bridge (Harlem River) ~ 2012



Average Daily Traffic Volumes Third Avenue Bridge (Harlem River)



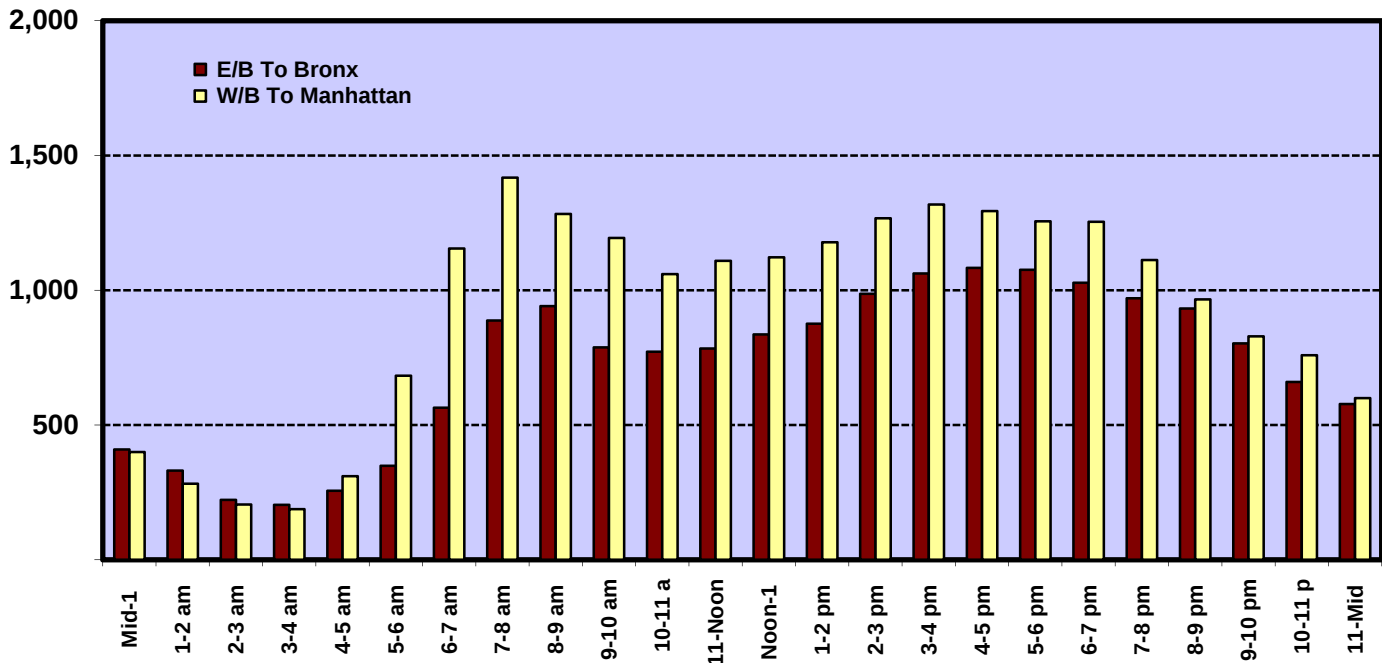
Hourly Vehicular Volumes University Heights Bridge - 2012

	Eastbound to Bronx					Westbound to Manhattan					2-Way Totals	
	Autos	Buses	Commuter		Commercial	Totals	Autos	Buses	Commuter			Commercial
			Vans	Trucks	Vans				Vans	Trucks	Vans	
12-1am	---	---	---	---	---	409	---	---	---	---	---	400
1-2am	---	---	---	---	---	331	---	---	---	---	---	282
2-3am	---	---	---	---	---	222	---	---	---	---	---	205
3-4am	---	---	---	---	---	204	---	---	---	---	---	188
4-5am	---	---	---	---	---	256	---	---	---	---	---	310
5-6am	---	---	---	---	---	349	---	---	---	---	---	683
6-7am	---	---	---	---	---	564	---	---	---	---	---	1,155
7-8am	671	47	86	41	43	888	1,230	20	32	35	101	1,418 **
8-9am	730	8	77	55	71	941	1,112	11	24	45	91	1,283
9-10am	587	8	58	67	68	788	1,011	13	16	52	102	1,194
10-11am	673	4	35	33	27	772	967	4	4	27	58	1,060
11-12am	604	7	63	73	37	784	944	7	13	60	85	1,109
12-1pm	754	12	23	26	21	836	1,037	2	5	28	50	1,122
1-2pm	750	38	37	29	22	876	1,112	4	5	20	37	1,178
2-3pm	807	13	69	50	48	987	1,085	10	21	48	103	1,267
3-4pm	967	17	22	28	28	1,062	1,191	42	6	26	53	1,318
4-5pm	943	5	58	44	33	1,083 **	1,151	18	16	24	85	1,294
5-6pm	944	0	59	29	44	1,076	1,176	1	14	13	52	1,256
6-7pm	898	0	55	19	56	1,028	1,173	7	10	9	55	1,254
7-8pm	---	---	---	---	---	970	---	---	---	---	---	1,112
8-9pm	---	---	---	---	---	932	---	---	---	---	---	966
9-10pm	---	---	---	---	---	803	---	---	---	---	---	829
10-11pm	---	---	---	---	---	660	---	---	---	---	---	759
11-12pm	---	---	---	---	---	578	---	---	---	---	---	600
Totals	---	---	---	---	---	17,399	---	---	---	---	---	22,242
7-10am	1,988	63	221	163	182	2,617	3,353	44	72	132	294	3,895
10am-1pm	2,031	23	121	132	85	2,392	2,948	13	22	115	193	3,291
1-4pm	2,524	68	128	107	98	2,925	3,388	56	32	94	193	3,763
4-7pm	2,785	5	172	92	133	3,187	3,500	26	40	46	192	3,804
7am-7pm	9,328	159	642	494	498	11,121	13,189	139	166	387	872	14,753
6-10am	---	---	---	---	---	3,181	---	---	---	---	---	5,050
3-7pm	3,752	22	194	120	161	4,249	4,691	68	46	72	245	5,122
6am-7pm	---	---	---	---	---	11,685	---	---	---	---	---	15,908

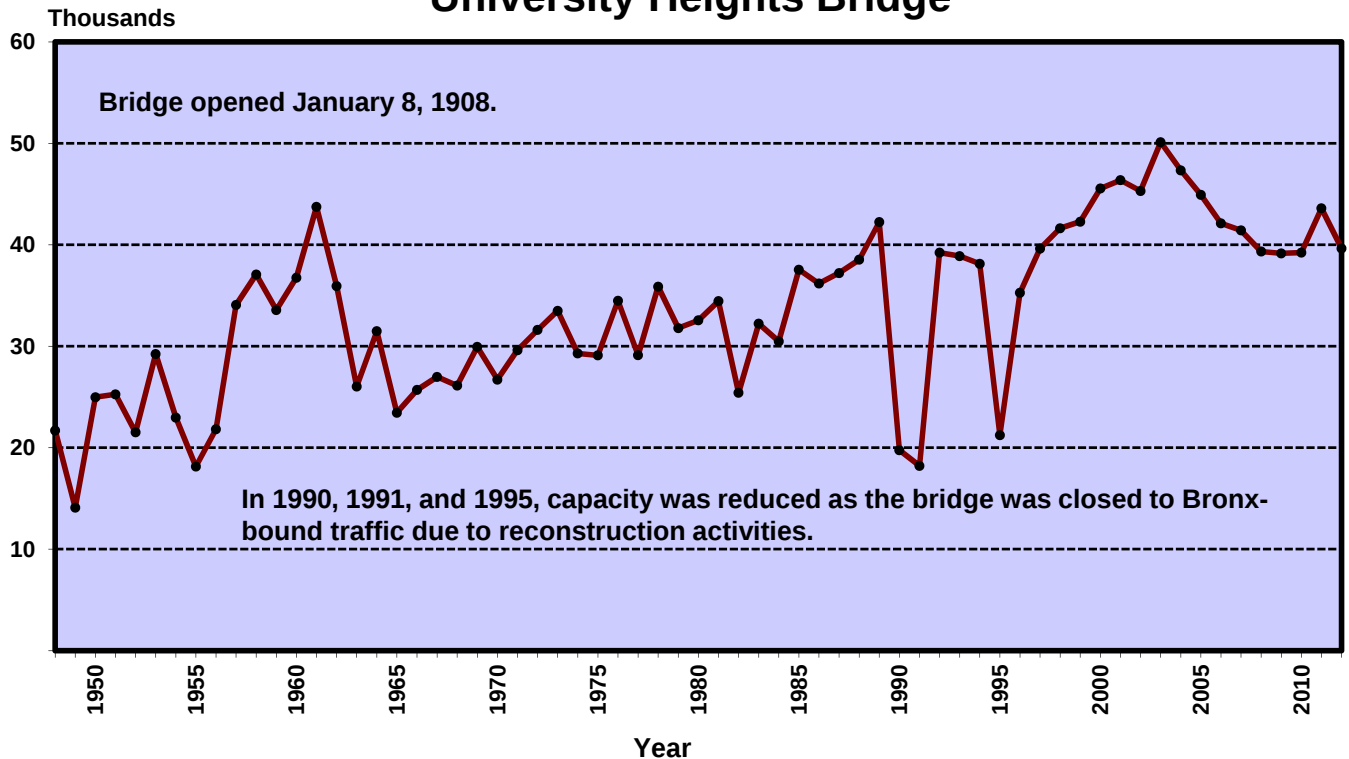
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes University Heights Bridge ~ 2012



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



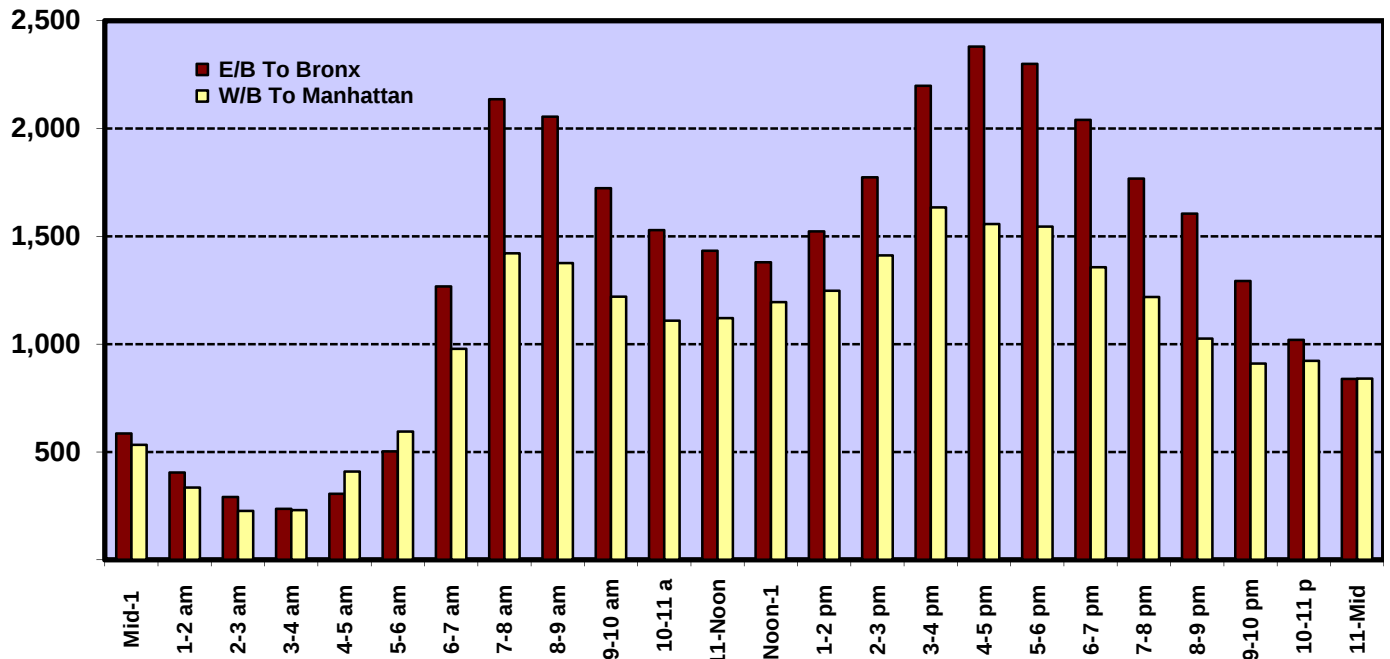
Hourly Vehicular Volumes Washington Bridge - 2012

	Eastbound to Bronx					Westbound to Manhattan					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	586	---	---	---	---	---	533
1-2am	---	---	---	---	---	405	---	---	---	---	---	335
2-3am	---	---	---	---	---	291	---	---	---	---	---	227
3-4am	---	---	---	---	---	236	---	---	---	---	---	230
4-5am	---	---	---	---	---	306	---	---	---	---	---	409
5-6am	---	---	---	---	---	503	---	---	---	---	---	595
6-7am	---	---	---	---	---	1,268	---	---	---	---	---	978
7-8am	1,830	70	39	63	134	2,136	1,199	56	107	35	24	1,421
8-9am	1,721	53	31	92	158	2,055	1,160	64	71	53	28	1,376
9-10am	1,426	47	30	113	107	1,723	1,062	36	53	41	28	1,220
10-11am	1,390	41	9	38	51	1,529	1,012	36	11	27	23	1,109
11-12am	1,239	30	18	68	78	1,433	978	46	29	31	37	1,121
12-1pm	1,235	41	19	25	60	1,380	1,119	29	10	21	16	1,195
1-2pm	1,395	34	6	35	53	1,523	1,168	30	17	19	14	1,248
2-3pm	1,544	38	28	75	89	1,774	1,219	57	43	52	41	1,412
3-4pm	1,999	47	13	39	100	2,198	1,474	46	46	46	22	1,634 **
4-5pm	1,980	47	60	73	220	2,380 **	1,325	38	67	82	45	1,557
5-6pm	2,057	38	57	40	108	2,300	1,402	28	43	32	40	1,545
6-7pm	1,875	24	33	25	83	2,040	1,230	34	49	17	27	1,357
7-8pm	---	---	---	---	---	1,768	---	---	---	---	---	1,219
8-9pm	---	---	---	---	---	1,605	---	---	---	---	---	1,026
9-10pm	---	---	---	---	---	1,293	---	---	---	---	---	910
10-11pm	---	---	---	---	---	1,020	---	---	---	---	---	923
11-12pm	---	---	---	---	---	839	---	---	---	---	---	840
Totals	---	---	---	---	---	32,591	---	---	---	---	---	24,420
7-10am	4,977	170	100	268	399	5,914	3,421	156	231	129	80	4,017
10am-1pm	3,864	112	46	131	189	4,342	3,109	111	50	79	76	3,425
1-4pm	4,938	119	47	149	242	5,495	3,861	133	106	117	77	4,294
4-7pm	5,912	109	150	138	411	6,720	3,957	100	159	131	112	4,459
7am-7pm	19,691	510	343	686	1,241	22,471	14,348	500	546	456	345	16,195
6-10am	---	---	---	---	---	7,182	---	---	---	---	---	4,995
3-7pm	7,911	156	163	177	511	8,918	5,431	146	205	177	134	6,093
6am-7pm	---	---	---	---	---	23,739	---	---	---	---	---	17,173

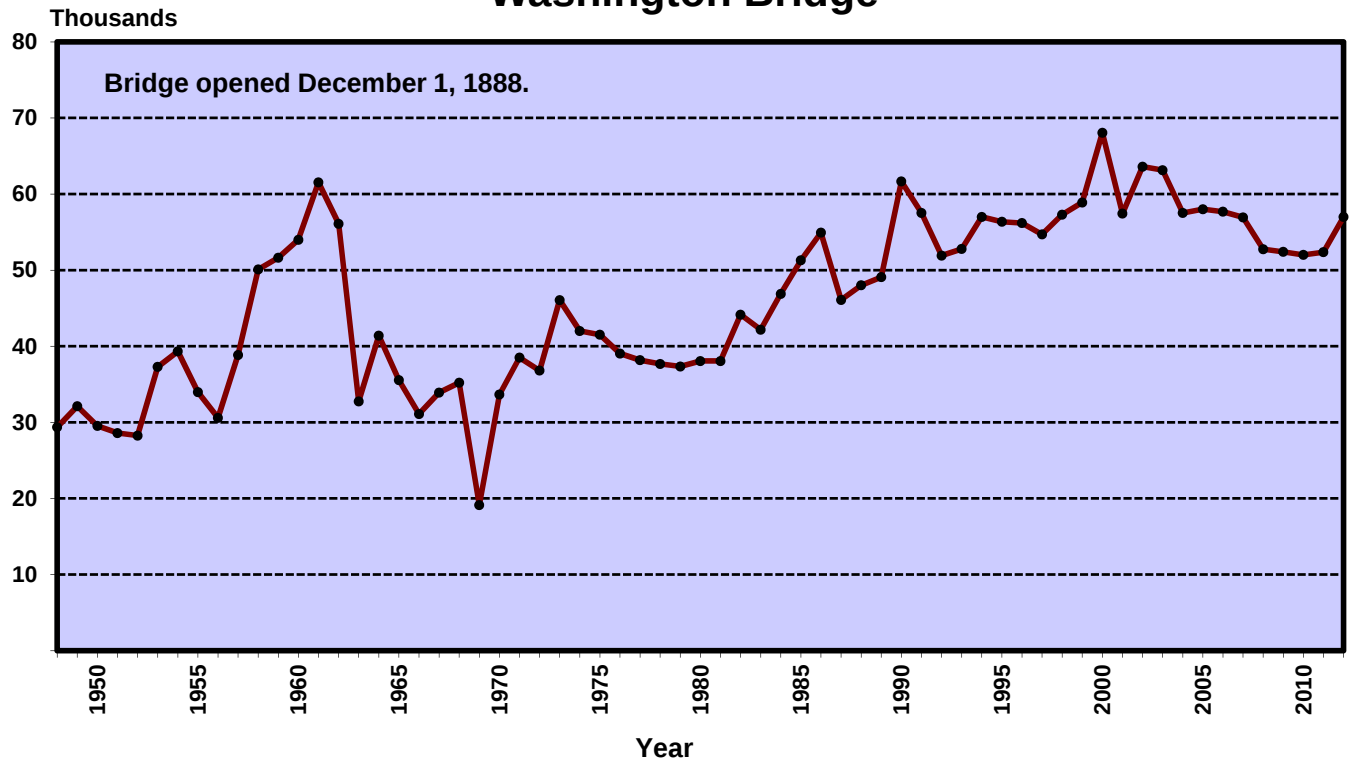
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Washington Bridge ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Washington Bridge



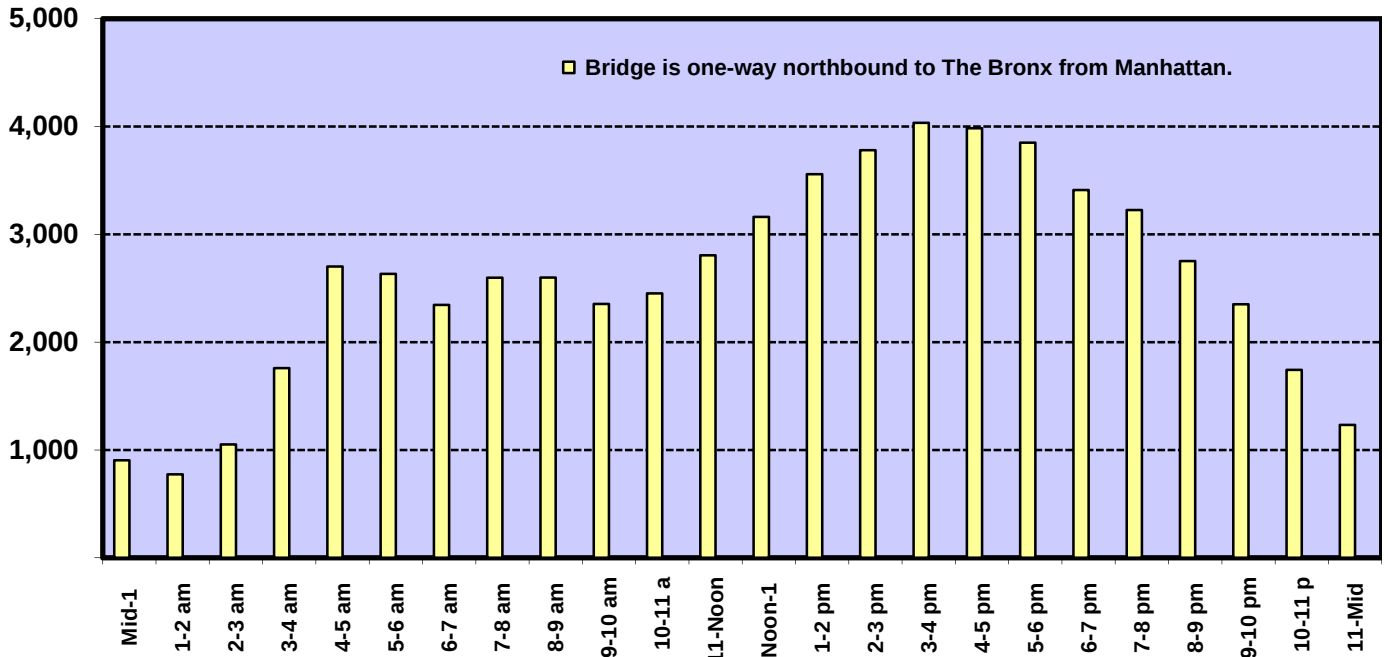
Hourly Vehicular Volumes Willis Avenue Bridge - 2012

	Northbound to Bronx					Southbound to Manhattan					2-Way Totals	
	Autos	Buses	Commuter		Commercial	Totals	Autos	Buses	Commuter			Commercial
			Vans	Trucks	Vans				Vans	Trucks	Vans	
12-1am	---	---	---	---	---	904						904
1-2am	---	---	---	---	---	774						774
2-3am	---	---	---	---	---	1,052						1,052
3-4am	---	---	---	---	---	1,759						1,759
4-5am	---	---	---	---	---	2,701						2,701
5-6am	---	---	---	---	---	2,633						2,633
6-7am	---	---	---	---	---	2,345						2,345
7-8am	2,211	66	103	128	89	2,597						2,597
8-9am	2,097	89	78	151	184	2,599						2,599
9-10am	1,760	103	86	211	195	2,355						2,355
10-11am	2,044	47	65	153	144	2,453						2,453
11-12am	2,074	36	122	298	275	2,805						2,805
12-1pm	2,770	47	59	170	116	3,162						3,162
1-2pm	3,179	29	48	134	168	3,558						3,558
2-3pm	2,799	34	137	403	407	3,780						3,780
3-4pm	3,570	65	61	171	167	4,034	**					4,034
4-5pm	3,137	36	121	268	422	3,984						3,984
5-6pm	3,132	56	104	174	385	3,851						3,851
6-7pm	2,984	29	91	105	202	3,411						3,411
7-8pm	---	---	---	---	---	3,226						3,226
8-9pm	---	---	---	---	---	2,752						2,752
9-10pm	---	---	---	---	---	2,351						2,351
10-11pm	---	---	---	---	---	1,743						1,743
11-12pm	---	---	---	---	---	1,233						1,233
Totals	---	---	---	---	---	62,062						62,062
Bridge is 1-way northbound to The Bronx												
7-10am	6,068	258	267	490	468	7,551						7,551
10am-1pm	6,888	130	246	621	535	8,420						8,420
1-4pm	9,548	128	246	708	742	11,372						11,372
4-7pm	9,253	121	316	547	1,009	11,246						11,246
7am-7pm	31,757	637	1,075	2,366	2,754	38,589						38,589
6-10am	---	---	---	---	---	9,896						9,896
3-7pm	12,823	186	377	718	1,176	15,280						15,280
6am-7pm	---	---	---	---	---	40,934						40,934

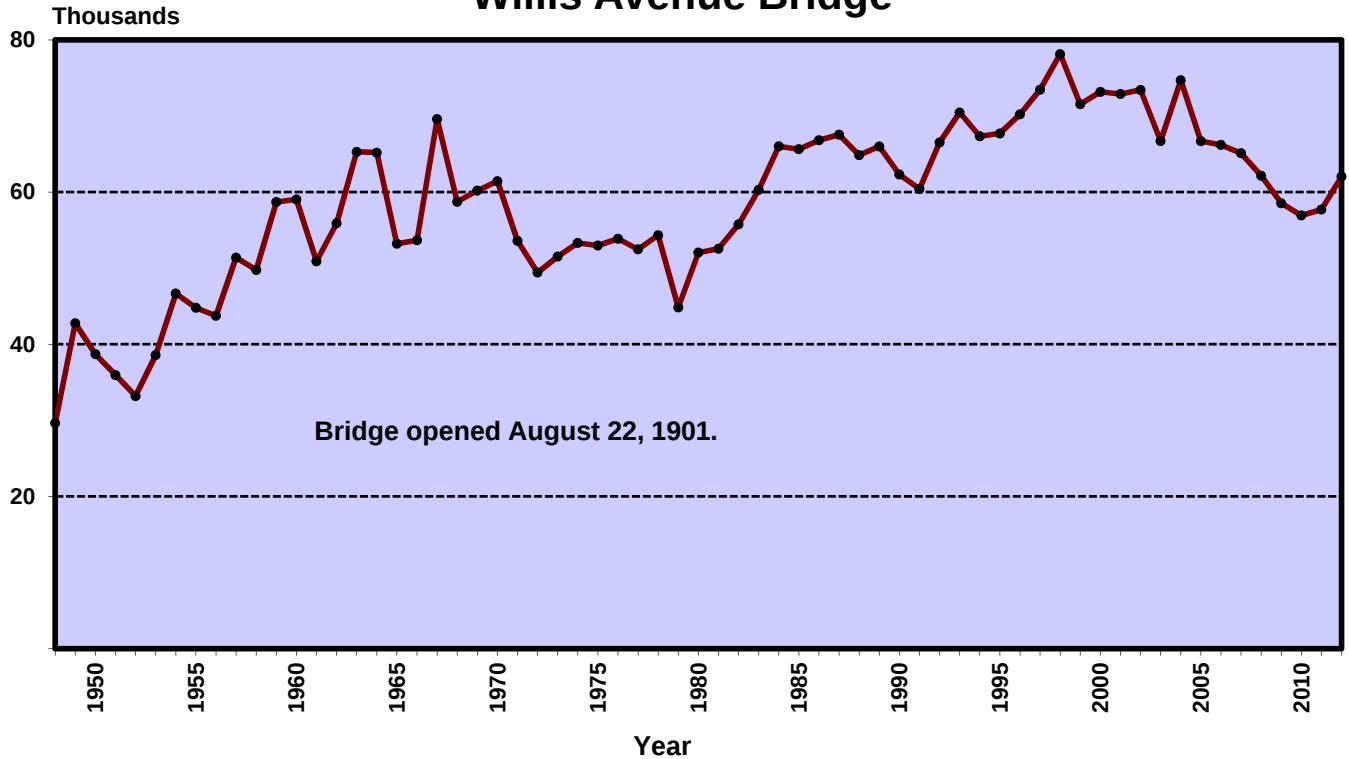
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Willis Avenue Bridge ~ 2012



Average Daily Traffic Volumes Willis Avenue Bridge



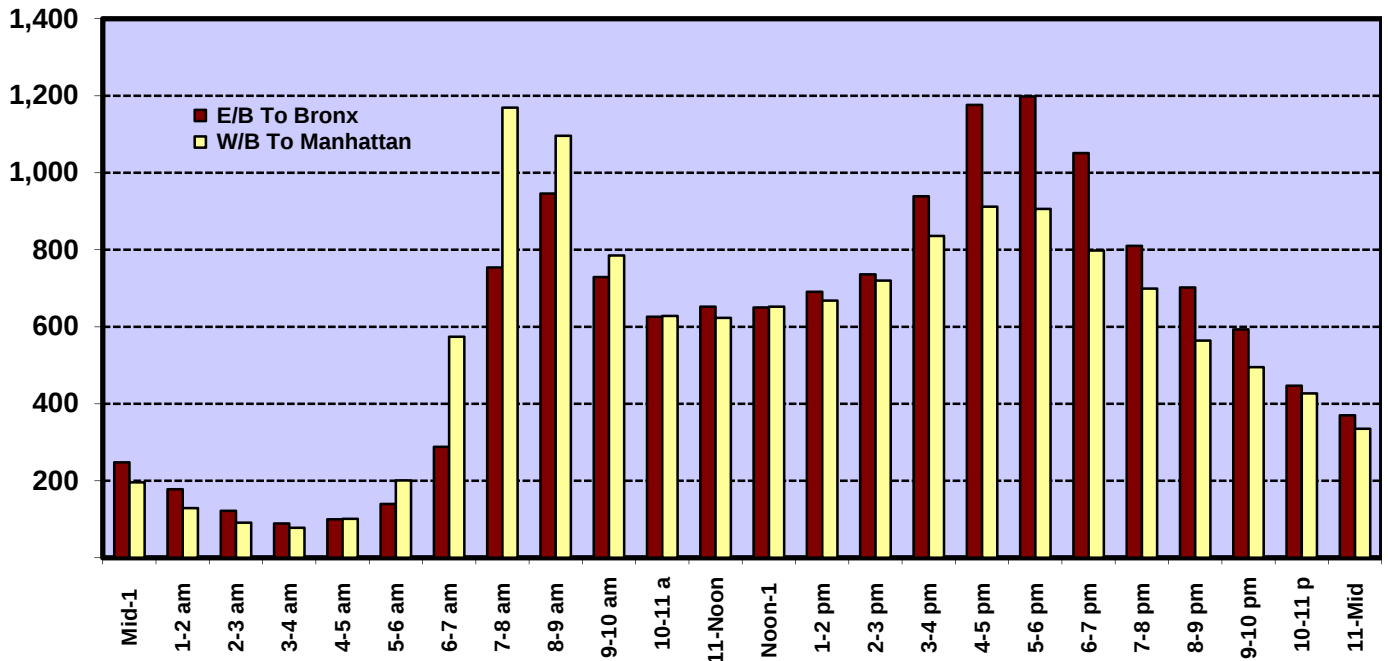
Hourly Vehicular Volumes 145th Street Bridge - 2012

	Eastbound to Bronx						Westbound to Manhattan						2-Way Totals	
	Autos	Buses	Commuter		Commercial		Autos	Buses	Commuter		Commercial			
			Vans	Trucks	Vans	Totals			Vans	Trucks	Vans	Totals		
12-1am	---	---	---	---	---	248	---	---	---	---	---	---	196	444
1-2am	---	---	---	---	---	178	---	---	---	---	---	---	129	307
2-3am	---	---	---	---	---	122	---	---	---	---	---	---	91	213
3-4am	---	---	---	---	---	89	---	---	---	---	---	---	78	167
4-5am	---	---	---	---	---	100	---	---	---	---	---	---	101	201
5-6am	---	---	---	---	---	140	---	---	---	---	---	---	201	341
6-7am	---	---	---	---	---	288	---	---	---	---	---	---	574	862
7-8am	632	30	41	41	10	754	1,017	47	21	44	40	1,169	**	1,923
8-9am	789	28	48	51	30	946	939	32	37	31	57	1,096		2,042
9-10am	588	13	40	63	25	729	630	21	38	29	67	785		1,514
10-11am	550	9	15	25	27	626	501	17	34	26	50	628		1,254
11-12am	496	16	29	68	43	652	460	12	47	48	56	623		1,275
12-1pm	564	12	17	40	17	650	606	11	11	9	15	652		1,302
1-2pm	596	12	34	31	18	691	603	30	11	15	9	668		1,359
2-3pm	555	16	30	95	40	736	602	23	28	27	40	720		1,456
3-4pm	828	21	22	40	28	939	779	30	9	7	11	836		1,775
4-5pm	937	15	61	105	58	1,176	846	18	16	9	23	912		2,088
5-6pm	977	11	56	81	73	1,198	849	18	15	10	14	906		2,104
6-7pm	914	29	32	25	51	1,051	753	24	6	4	11	798		1,849
7-8pm	---	---	---	---	---	810	---	---	---	---	---	699		1,509
8-9pm	---	---	---	---	---	702	---	---	---	---	---	564		1,266
9-10pm	---	---	---	---	---	593	---	---	---	---	---	495		1,088
10-11pm	---	---	---	---	---	447	---	---	---	---	---	427		874
11-12pm	---	---	---	---	---	370	---	---	---	---	---	335		705
Totals	---	---	---	---	---	14,235	---	---	---	---	---	13,683		27,918
7-10am	2,009	71	129	155	65	2,429	2,586	100	96	104	164	3,050		5,479
10am-1pm	1,610	37	61	133	87	1,928	1,567	40	92	83	121	1,903		3,831
1-4pm	1,979	49	86	166	86	2,366	1,984	83	48	49	60	2,224		4,590
4-7pm	2,828	55	149	211	182	3,425	2,448	60	37	23	48	2,616		6,041
7am-7pm	8,426	212	425	665	420	10,148	8,585	283	273	259	393	9,793		19,941
6-10am	---	---	---	---	---	2,717	---	---	---	---	---	3,624		6,341
3-7pm	3,656	76	171	251	210	4,364	3,227	90	46	30	59	3,452		7,816
6am-7pm	---	---	---	---	---	10,436	---	---	---	---	---	10,367		20,803

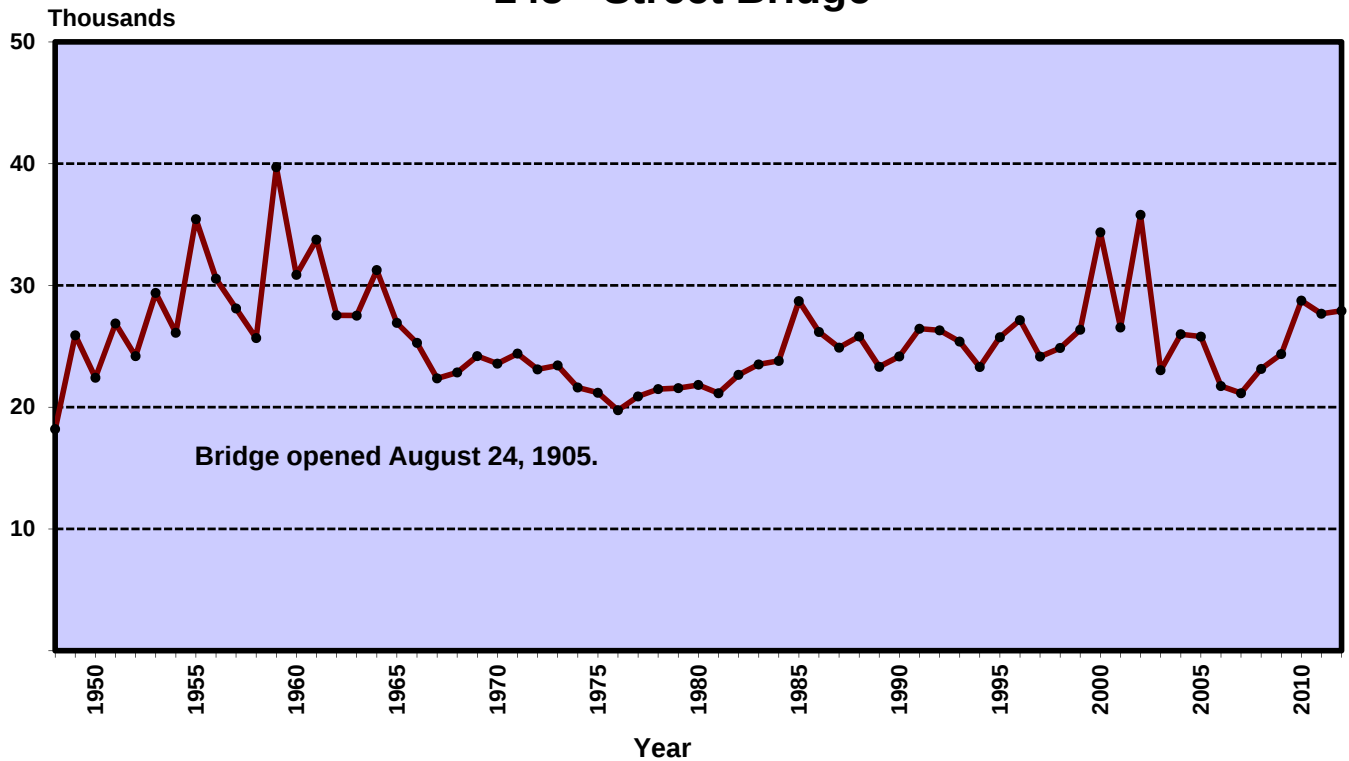
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes 145th Street Bridge ~ 2012



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



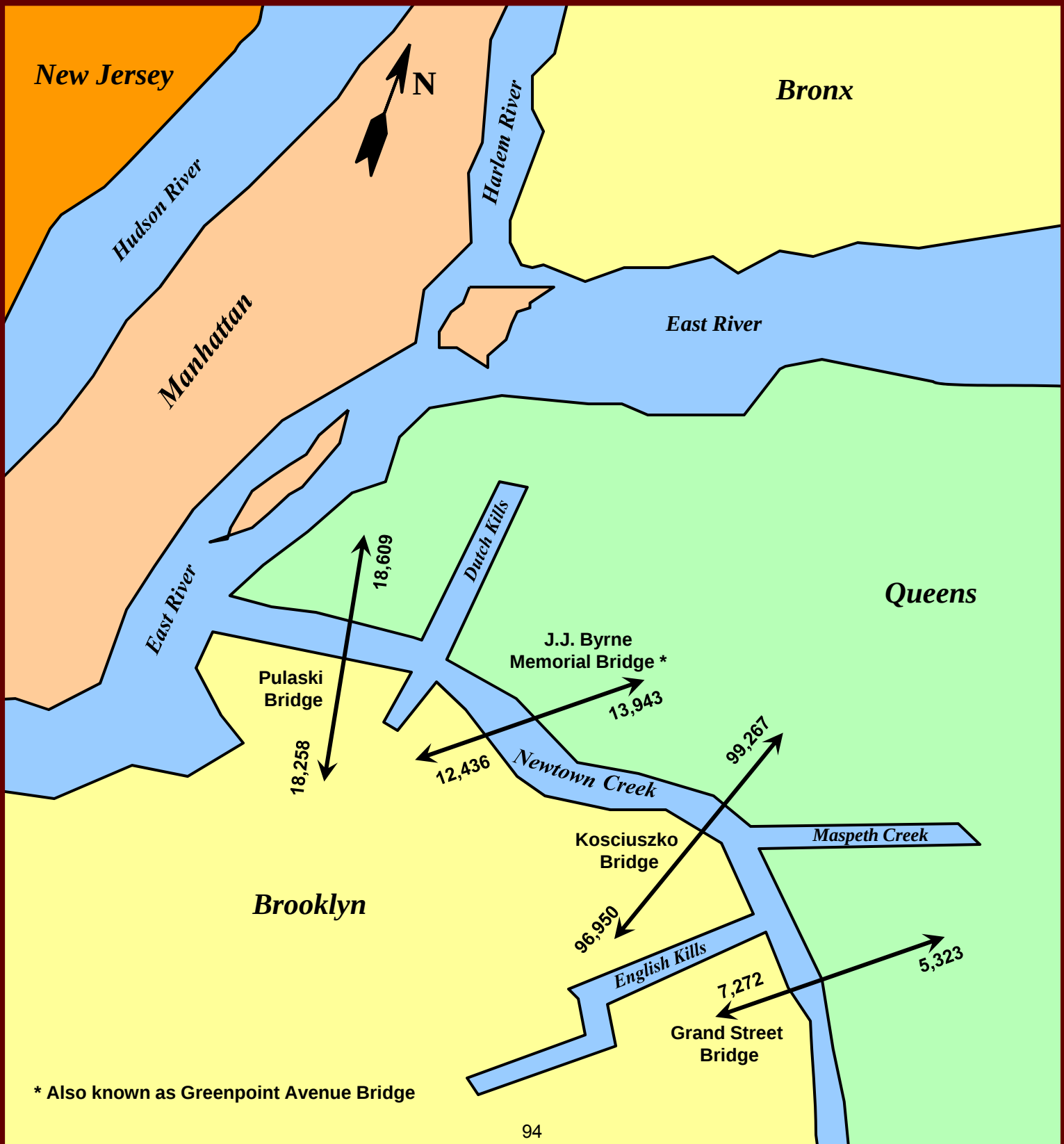
Brooklyn-Queens Bridges



Pulaski Bridge

Brooklyn-Queens Bridges

2012 Daily Volumes



Brooklyn - Queens Bridges ~ Average Daily Traffic Volumes

1948 - 2012

<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

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

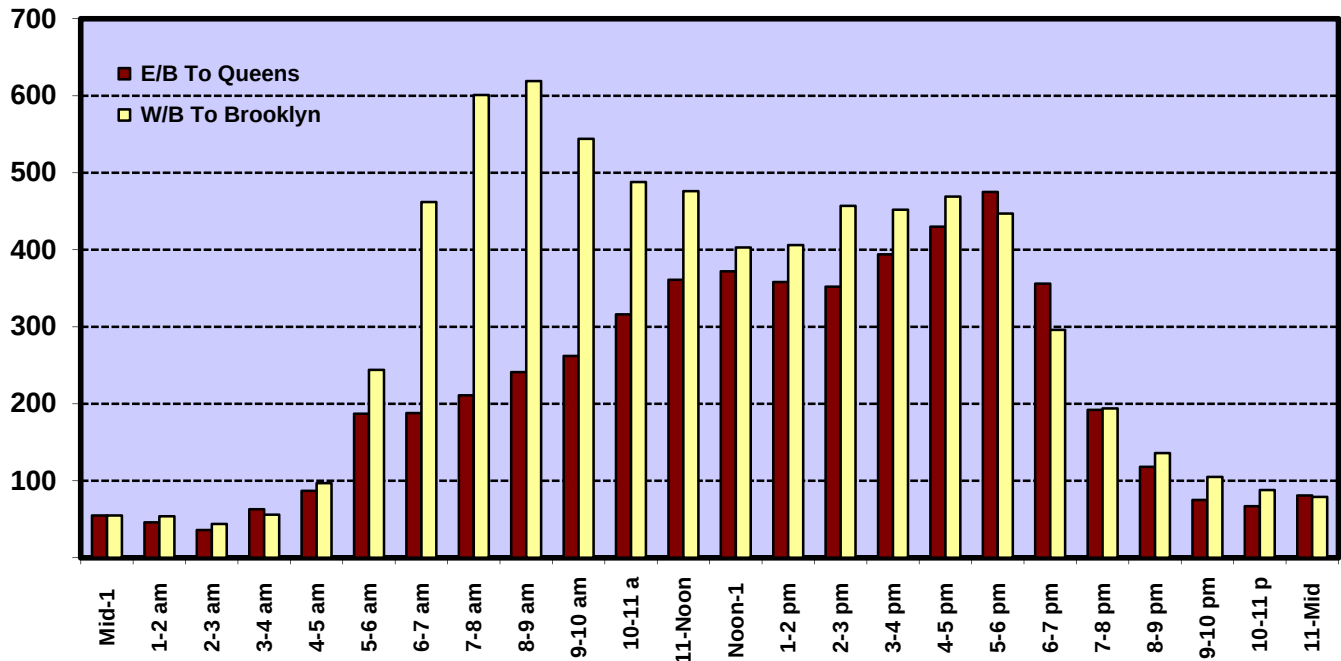
Hourly Vehicular Volumes Grand Street Bridge - 2012

	Eastbound to Queens					Totals	Westbound to Brooklyn					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	55	---	---	---	---	---	55
1-2am	---	---	---	---	---	46	---	---	---	---	---	54
2-3am	---	---	---	---	---	36	---	---	---	---	---	44
3-4am	---	---	---	---	---	63	---	---	---	---	---	56
4-5am	---	---	---	---	---	87	---	---	---	---	---	97
5-6am	---	---	---	---	---	187	---	---	---	---	---	244
6-7am	---	---	---	---	---	188	---	---	---	---	---	462
7-8am	167	6	5	25	8	211	408	15	30	120	28	601
8-9am	157	4	6	60	14	241	344	7	33	180	55	619
9-10am	175	12	2	55	18	262	291	9	29	168	47	544
10-11am	228	4	4	53	27	316	372	12	13	71	20	488
11-12am	195	7	12	111	36	361	296	6	29	114	31	476
12-1pm	312	9	3	38	10	372	327	9	13	43	11	403
1-2pm	281	5	9	48	15	358	294	13	23	61	15	406
2-3pm	220	9	9	85	29	352	241	5	32	142	37	457
3-4pm	338	7	4	38	7	394	352	15	10	63	12	452
4-5pm	346	11	12	44	17	430	344	9	24	72	20	469
5-6pm	383	7	10	54	21	475	342	4	21	63	17	447
6-7pm	282	5	7	48	14	356	247	6	14	26	3	296
7-8pm	---	---	---	---	---	192	---	---	---	---	---	194
8-9pm	---	---	---	---	---	118	---	---	---	---	---	136
9-10pm	---	---	---	---	---	75	---	---	---	---	---	105
10-11pm	---	---	---	---	---	67	---	---	---	---	---	88
11-12pm	---	---	---	---	---	81	---	---	---	---	---	79
Totals	---	---	---	---	---	5,323	---	---	---	---	---	7,272
7-10am	499	22	13	140	40	714	1,043	31	92	468	130	1,764
10am-1pm	735	20	19	202	73	1,049	995	27	55	228	62	1,367
1-4pm	839	21	22	171	51	1,104	887	33	65	266	64	1,315
4-7pm	1,011	23	29	146	52	1,261	933	19	59	161	40	1,212
7am-7pm	3,084	86	83	659	216	4,128	3,858	110	271	1,123	296	5,658
6-10am						902						2,226
3-7pm	1,349	30	33	184	59	1,655	1,285	34	69	224	52	1,664
6am-7pm						4,316						6,120

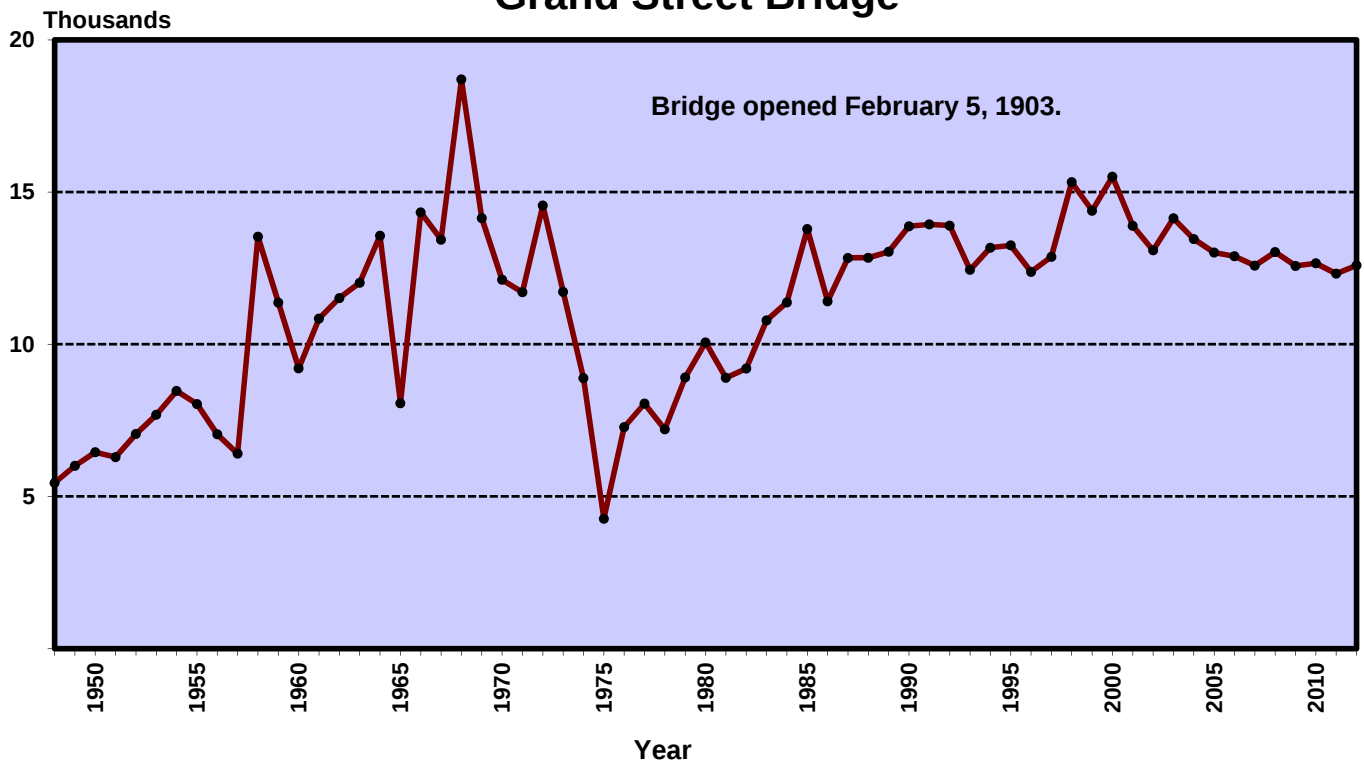
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Grand Street Bridge ~ 2012



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



**Hourly Vehicular Volumes
J.J. Byrne Memorial Bridge - 2012
(Greenpoint Avenue Bridge)**

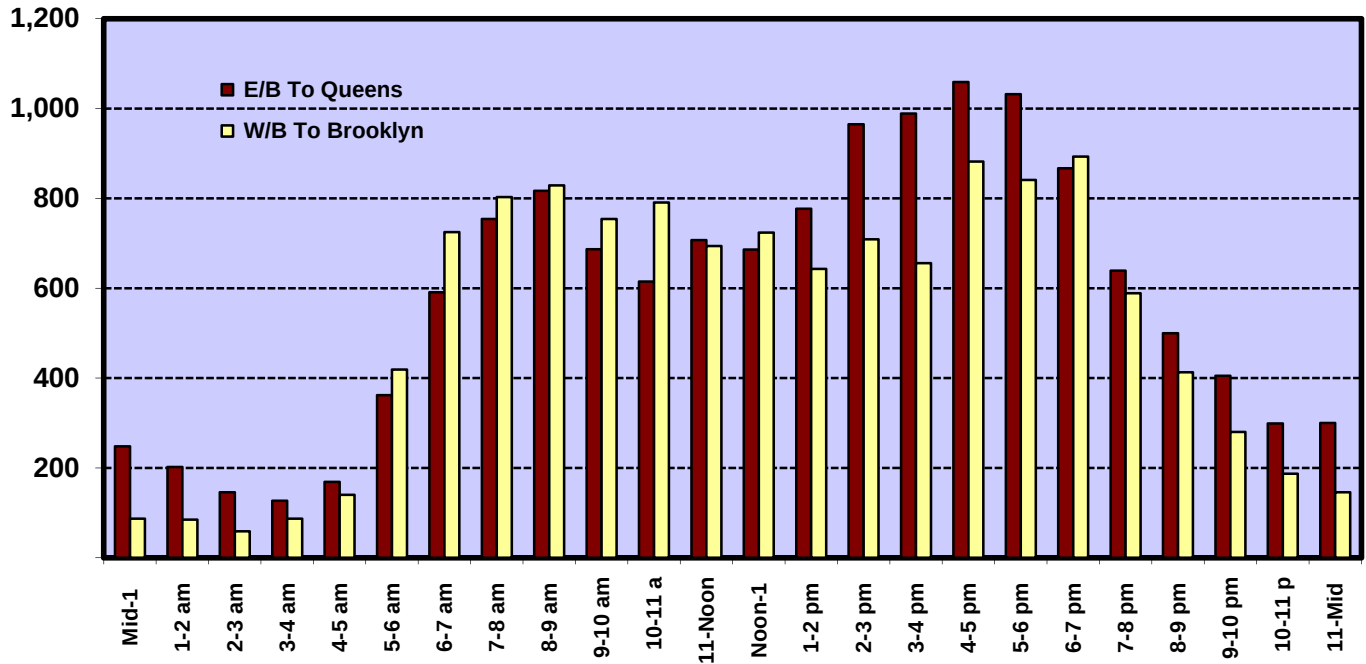
	Eastbound to Queens					Totals	Westbound to Brooklyn					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	248	---	---	---	---	---	87
1-2am	---	---	---	---	---	202	---	---	---	---	---	85
2-3am	---	---	---	---	---	146	---	---	---	---	---	59
3-4am	---	---	---	---	---	127	---	---	---	---	---	87
4-5am	---	---	---	---	---	169	---	---	---	---	---	140
5-6am	---	---	---	---	---	362	---	---	---	---	---	419
6-7am	---	---	---	---	---	591	---	---	---	---	---	725
7-8am	563	11	19	121	40	754	529	8	41	161	64	803
8-9am	531	15	24	201	46	817	561	10	28	159	71	829
9-10am	388	6	26	200	67	687	375	12	46	225	96	754
10-11am	500	3	6	73	33	615	546	5	28	158	54	791
11-12am	426	11	18	178	74	707	315	6	19	228	126	694
12-1pm	564	3	12	80	27	686	504	6	28	123	63	724
1-2pm	638	11	16	90	22	777	445	14	34	111	39	643
2-3pm	635	7	28	199	96	965	164	10	87	325	123	709
3-4pm	856	8	10	82	33	989	535	5	18	76	22	656
4-5pm	797	12	35	133	82	1,059 **	692	9	31	103	47	882
5-6pm	800	8	31	123	70	1,032	653	9	49	73	57	841
6-7pm	685	15	19	87	61	867	702	21	30	86	54	893 **
7-8pm	---	---	---	---	---	639	---	---	---	---	---	589
8-9pm	---	---	---	---	---	500	---	---	---	---	---	413
9-10pm	---	---	---	---	---	405	---	---	---	---	---	280
10-11pm	---	---	---	---	---	299	---	---	---	---	---	187
11-12pm	---	---	---	---	---	300	---	---	---	---	---	146
Totals	---	---	---	---	---	13,943	---	---	---	---	---	12,436
7-10am	1,482	32	69	522	153	2,258	1,465	30	115	545	231	2,386
10am-1pm	1,490	17	36	331	134	2,008	1,365	17	75	509	243	2,209
1-4pm	2,129	26	54	371	151	2,731	1,144	29	139	512	184	2,008
4-7pm	2,282	35	85	343	213	2,958	2,047	39	110	262	158	2,616
7am-7pm	7,383	110	244	1,567	651	9,955	6,021	115	439	1,828	816	9,219
6-10am						2,849						3,111
3-7pm	3,138	43	95	425	246	3,947	2,582	44	128	338	180	3,272
6am-7pm						10,546						9,944

	Westbound to Brooklyn											2-Way Totals	
12-1am	---	---	---	---	---	248	---	---	---	---	---	87	335
1-2am	---	---	---	---	---	202	---	---	---	---	---	85	287
2-3am	---	---	---	---	---	146	---	---	---	---	---	59	205
3-4am	---	---	---	---	---	127	---	---	---	---	---	87	214
4-5am	---	---	---	---	---	169	---	---	---	---	---	140	309
5-6am	---	---	---	---	---	362	---	---	---	---	---	419	781
6-7am	---	---	---	---	---	591	---	---	---	---	---	725	1,316
7-8am	563	11	19	121	40	754	529	8	41	161	64	803	1,557
8-9am	531	15	24	201	46	817	561	10	28	159	71	829	1,646
9-10am	388	6	26	200	67	687	375	12	46	225	96	754	1,441
10-11am	500	3	6	73	33	615	546	5	28	158	54	791	1,406
11-12am	426	11	18	178	74	707	315	6	19	228	126	694	1,401
12-1pm	564	3	12	80	27	686	504	6	28	123	63	724	1,410
1-2pm	638	11	16	90	22	777	445	14	34	111	39	643	1,420
2-3pm	635	7	28	199	96	965	164	10	87	325	123	709	1,674
3-4pm	856	8	10	82	33	989	535	5	18	76	22	656	1,645
4-5pm	797	12	35	133	82	1,059 **	692	9	31	103	47	882	1,941 **
5-6pm	800	8	31	123	70	1,032	653	9	49	73	57	841	1,873
6-7pm	685	15	19	87	61	867	702	21	30	86	54	893 **	1,760
7-8pm	---	---	---	---	---	639	---	---	---	---	---	589	1,228
8-9pm	---	---	---	---	---	500	---	---	---	---	---	413	913
9-10pm	---	---	---	---	---	405	---	---	---	---	---	280	685
10-11pm	---	---	---	---	---	299	---	---	---	---	---	187	486
11-12pm	---	---	---	---	---	300	---	---	---	---	---	146	446
Totals	---	---	---	---	---	13,943	---	---	---	---	---	12,436	26,379
7-10am	1,482	32	69	522	153	2,258	1,465	30	115	545	231	2,386	4,644
10am-1pm	1,490	17	36	331	134	2,008	1,365	17	75	509	243	2,209	4,217
1-4pm	2,129	26	54	371	151	2,731	1,144	29	139	512	184	2,008	4,739
4-7pm	2,282	35	85	343	213	2,958	2,047	39	110	262	158	2,616	5,574
7am-7pm	7,383	110	244	1,567	651	9,955	6,021	115	439	1,828	816	9,219	19,174
6-10am						2,849						3,111	5,960
3-7pm	3,138	43	95	425	246	3,947	2,582	44	128	338	180	3,272	7,219
6am-7pm						10,546						9,944	20,490

Based on 1989 Classification Survey Data

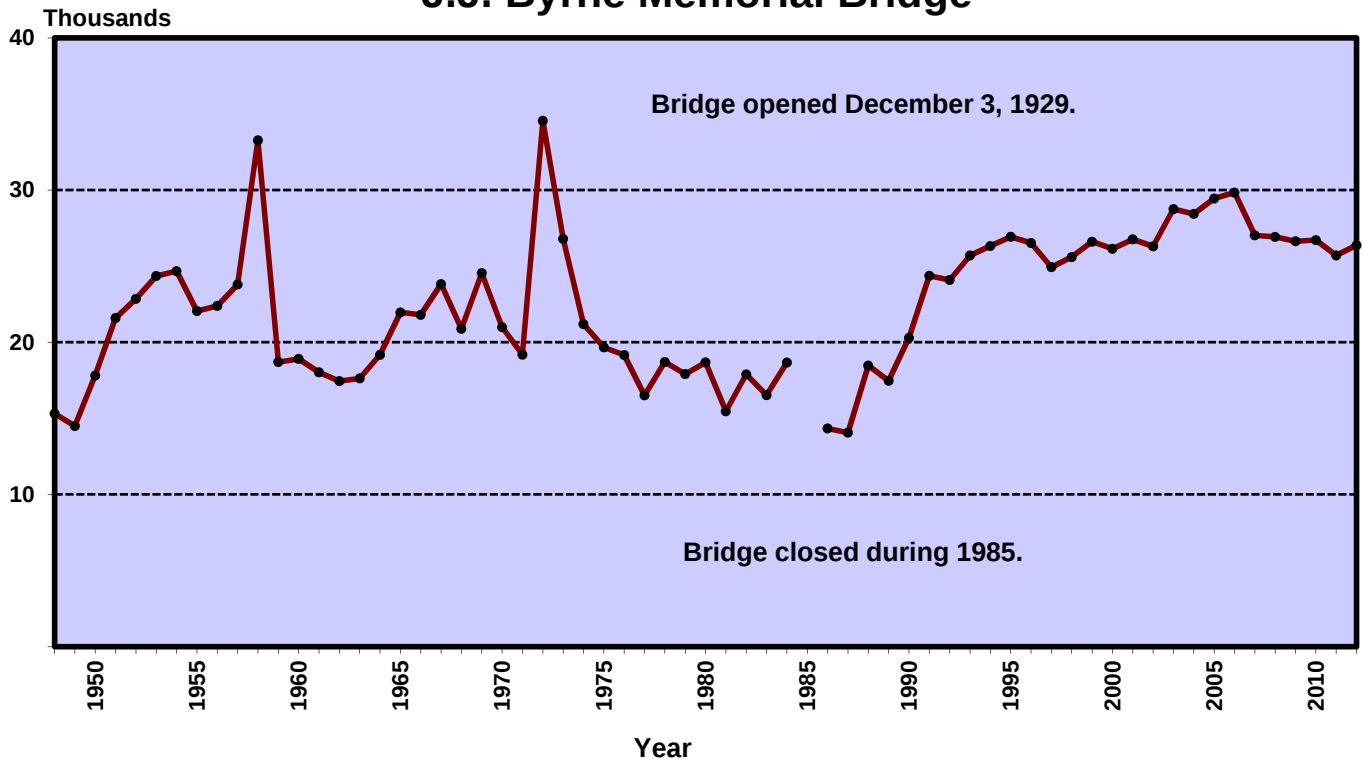
** Peak Volumes

Hourly Vehicular Volumes J.J. Byrne Memorial Bridge ~ 2012



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



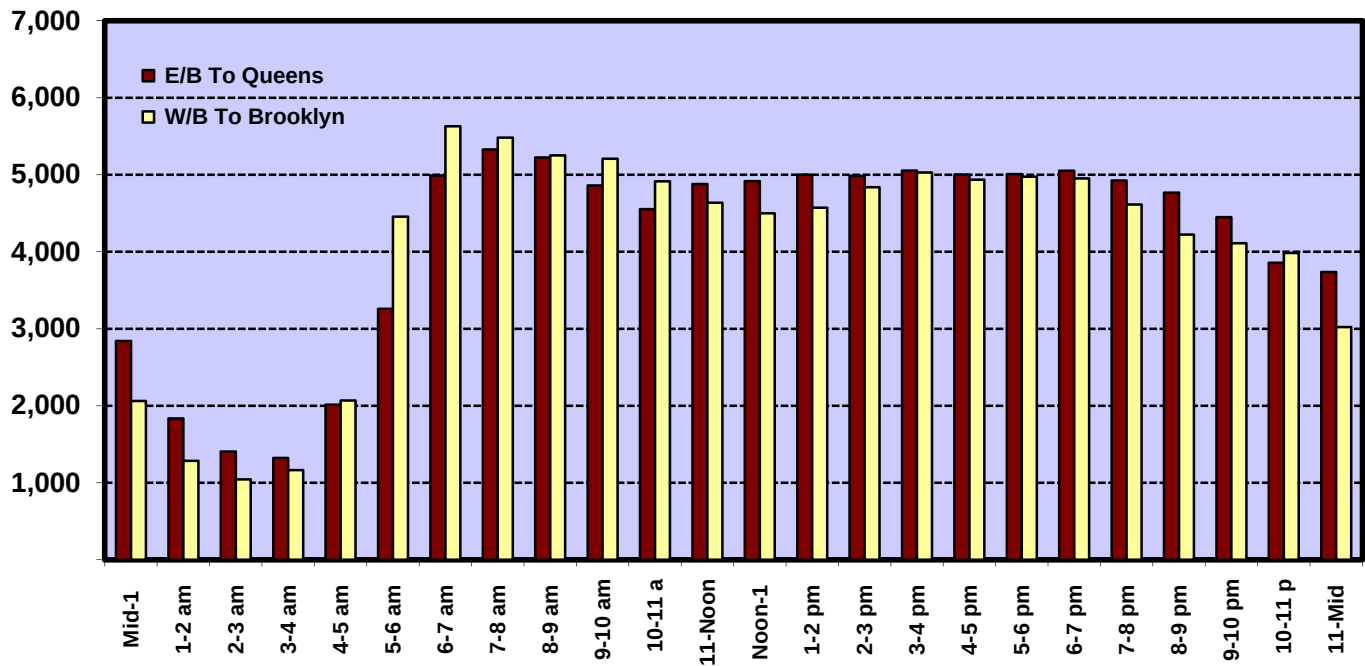
Hourly Vehicular Volumes Kosciuszko Bridge - 2012

	Eastbound to Queens					Totals	Westbound to Brooklyn					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	2,842	---	---	---	---	---	2,061
1-2am	---	---	---	---	---	1,836	---	---	---	---	---	1,285
2-3am	---	---	---	---	---	1,406	---	---	---	---	---	1,044
3-4am	---	---	---	---	---	1,322	---	---	---	---	---	1,164
4-5am	---	---	---	---	---	2,015	---	---	---	---	---	2,069
5-6am	---	---	---	---	---	3,259	---	---	---	---	---	4,455
6-7am	---	---	---	---	---	4,990	---	---	---	---	---	5,630 **
7-8am	4,392	58	119	461	298	5,328 **	4,684	14	63	371	350	5,482
8-9am	4,278	19	136	475	316	5,224	4,416	14	38	418	365	5,251
9-10am	3,944	39	113	432	333	4,861	4,189	16	66	547	390	5,208
10-11am	3,952	22	110	263	206	4,553	4,438	7	37	261	172	4,915
11-12am	3,625	12	196	607	439	4,879	3,688	7	71	569	302	4,637
12-1pm	4,359	11	74	278	195	4,917	3,952	7	68	315	158	4,500
1-2pm	3,881	39	121	523	435	4,999	3,520	10	83	575	383	4,571
2-3pm	3,858	21	164	499	444	4,986	3,788	14	77	566	392	4,837
3-4pm	4,636	16	75	107	219	5,053	4,566	19	25	243	176	5,029
4-5pm	4,246	22	120	217	396	5,001	4,235	17	68	341	275	4,936
5-6pm	4,331	18	85	305	270	5,009	4,277	8	49	330	310	4,974
6-7pm	4,589	11	74	103	274	5,051	4,413	8	19	223	289	4,952
7-8pm	---	---	---	---	---	4,926	---	---	---	---	---	4,614
8-9pm	---	---	---	---	---	4,767	---	---	---	---	---	4,222
9-10pm	---	---	---	---	---	4,449	---	---	---	---	---	4,110
10-11pm	---	---	---	---	---	3,858	---	---	---	---	---	3,983
11-12pm	---	---	---	---	---	3,736	---	---	---	---	---	3,021
Totals	---	---	---	---	---	99,267	---	---	---	---	---	96,950
7-10am	12,614	116	368	1,368	947	15,413	13,289	44	167	1,336	1,105	15,941
10am-1pm	11,936	45	380	1,148	840	14,349	12,078	21	176	1,145	632	14,052
1-4pm	12,375	76	360	1,129	1,098	15,038	11,874	43	185	1,384	951	14,437
4-7pm	13,166	51	279	625	940	15,061	12,925	33	136	894	874	14,862
7am-7pm	50,091	288	1,387	4,270	3,825	59,861	50,166	141	664	4,759	3,562	59,292
6-10am						20,403						21,571
3-7pm	17,802	67	354	732	1,159	20,114	17,491	52	161	1,137	1,050	19,891
6am-7pm						64,851						64,922
												41,974
												40,005
												129,773

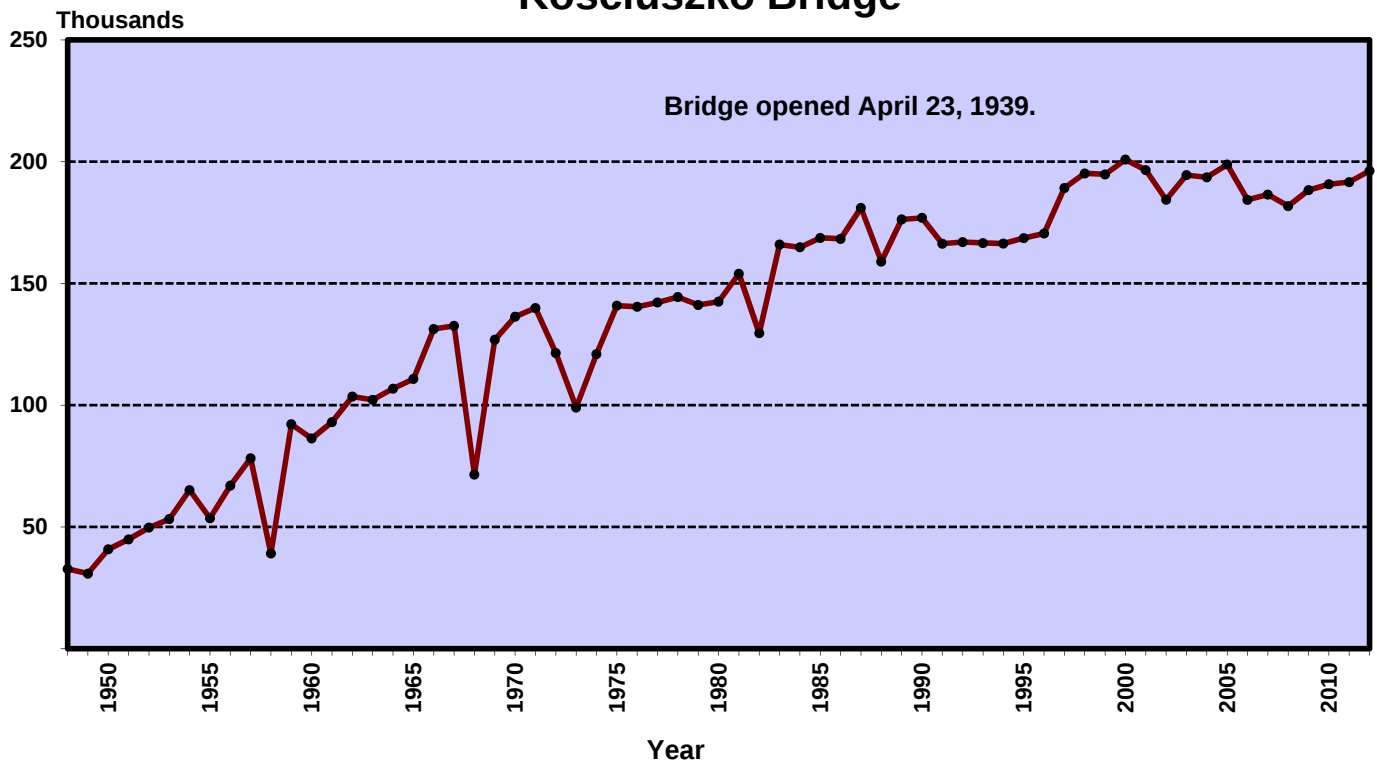
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Kosciuszko Bridge ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Kosciuszko Bridge



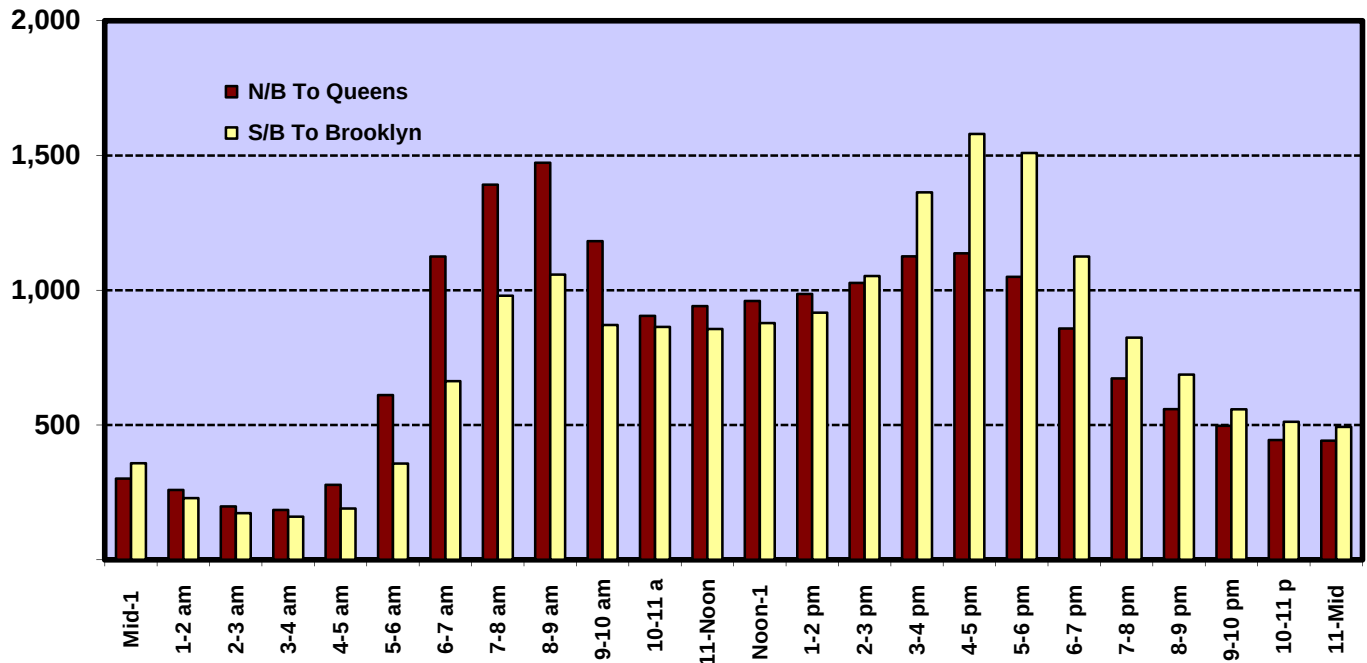
Hourly Vehicular Volumes Pulaski Bridge - 2012

	Northbound to Queens					Totals	Southbound to Brooklyn					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	301	---	---	---	---	---	358
1-2am	---	---	---	---	---	259	---	---	---	---	---	229
2-3am	---	---	---	---	---	198	---	---	---	---	---	173
3-4am	---	---	---	---	---	185	---	---	---	---	---	160
4-5am	---	---	---	---	---	278	---	---	---	---	---	190
5-6am	---	---	---	---	---	611	---	---	---	---	---	357
6-7am	---	---	---	---	---	1,125	---	---	---	---	---	663
7-8am	1,030	22	48	157	135	1,392	650	13	26	181	110	980
8-9am	1,066	18	42	197	150	1,473	672	13	34	189	150	1,058
9-10am	750	17	47	216	152	1,182	528	15	24	172	132	871
10-11am	693	12	22	103	75	905	684	11	18	89	62	864
11-12am	526	11	42	213	149	941	489	13	34	194	126	856
12-1pm	748	9	19	105	79	960	705	11	15	91	56	878
1-2pm	740	20	26	117	83	986	724	19	27	95	52	917
2-3pm	625	17	37	199	149	1,027	625	14	35	276	103	1,053
3-4pm	916	20	16	99	75	1,126	1,127	20	26	109	81	1,363
4-5pm	855	10	36	109	127	1,137	1,210	12	49	168	141	1,580
5-6pm	865	7	39	38	101	1,050	1,240	10	34	110	115	1,509
6-7pm	678	12	32	56	80	858	946	10	24	68	77	1,125
7-8pm	---	---	---	---	---	673	---	---	---	---	---	824
8-9pm	---	---	---	---	---	559	---	---	---	---	---	687
9-10pm	---	---	---	---	---	497	---	---	---	---	---	558
10-11pm	---	---	---	---	---	444	---	---	---	---	---	512
11-12pm	---	---	---	---	---	442	---	---	---	---	---	493
Totals	---	---	---	---	---	18,609	---	---	---	---	---	18,258
7-10am	2,846	57	137	570	437	4,047	1,850	41	84	542	392	2,909
10am-1pm	1,967	32	83	421	303	2,806	1,878	35	67	374	244	2,598
1-4pm	2,281	57	79	415	307	3,139	2,476	53	88	480	236	3,333
4-7pm	2,398	29	107	203	308	3,045	3,396	32	107	346	333	4,214
7am-7pm	9,492	175	406	1,609	1,355	13,037	9,600	161	346	1,742	1,205	13,054
6-10am	---	---	---	---	---	5,172	---	---	---	---	---	3,572
3-7pm	3,314	49	123	302	383	4,171	4,523	52	133	455	414	5,577
6am-7pm	---	---	---	---	---	14,162	---	---	---	---	---	13,717
	</											

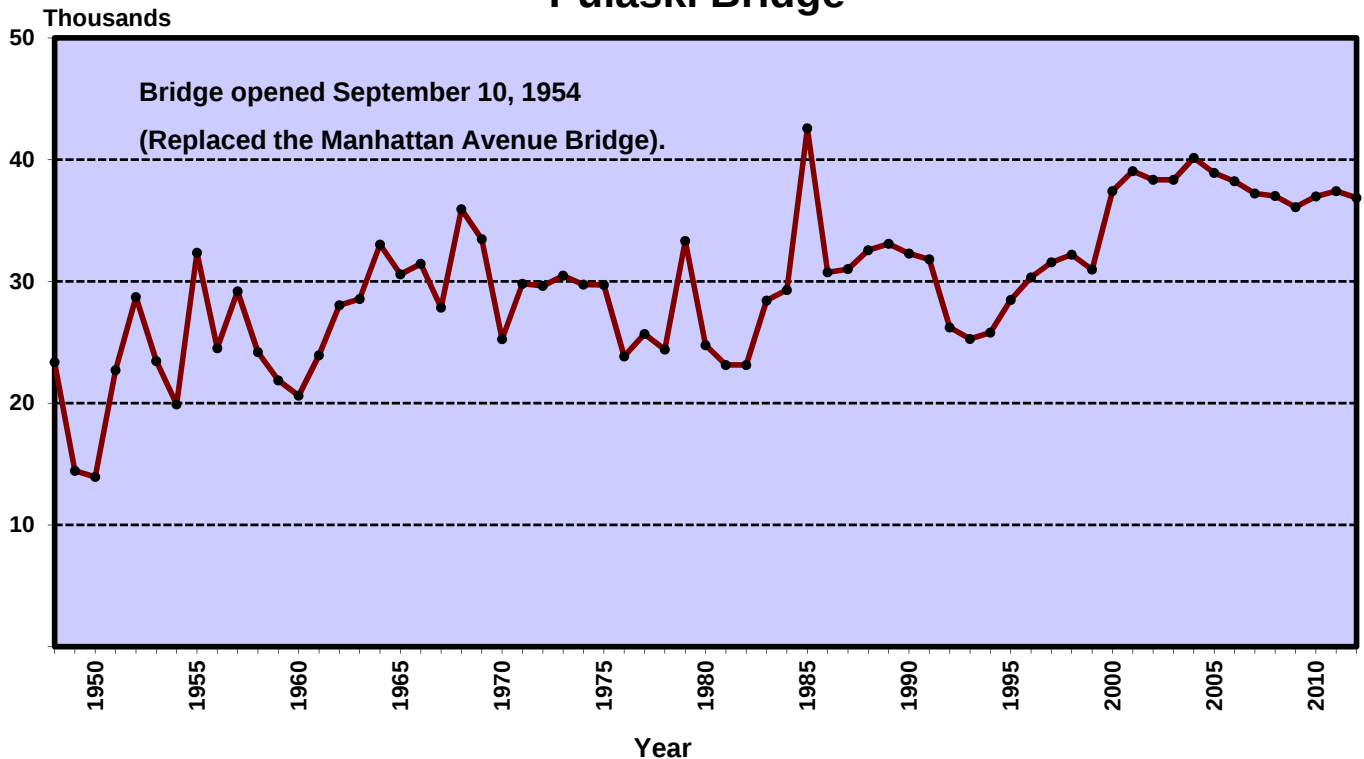
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Pulaski Bridge ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Pulaski Bridge



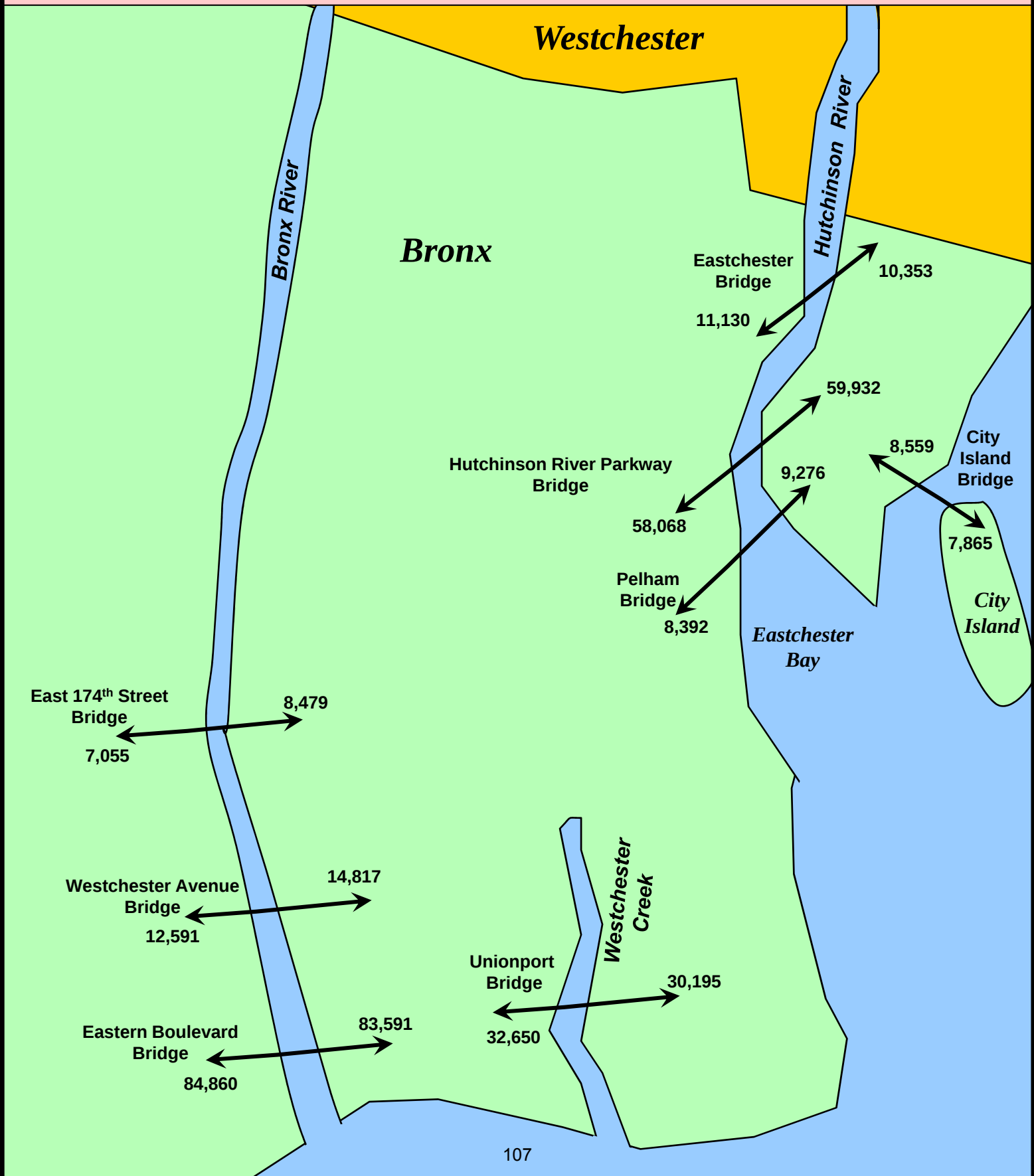
Bronx Bridges



Eastchester Bridge

Bronx Bridges

2012 Daily Volumes



Bronx Bridges
Average Daily Traffic Volumes
1948 - 2012

<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	Closed	20,955	138,725	59,455
1986	14,063	9,632	20,571	147,789	78,211
1987	12,639	10,489	22,870	154,741	79,179
1988	13,444	10,659	23,275	154,385	80,904
1989	13,843	11,574	19,307	136,008	85,410
1990	16,240	13,702	20,559	117,384	91,280
1991	15,299	14,587	20,520	122,414	76,794
1992	13,960	15,558	20,783	123,097	76,641
1993	13,938	13,734	20,825	128,713	78,053
1994	13,867	12,876	19,997	125,592	80,773
1995	14,911	12,428	18,872	130,647	85,985
1996	14,062	12,719	20,172	133,517	84,158
1997	14,264	11,955	21,001	133,278	85,703
1998	14,954	13,758	21,415	151,238	93,304
1999	16,863	5,667	21,510	157,987	98,700
2000	18,844	11,838	22,583	163,954	105,792
2001	20,012	12,093	22,810	169,437	108,191
2002	16,637	12,786	22,255	178,983	110,141
2003	14,617	14,229	24,193	170,735	117,195
2004	14,528	12,184	22,480	178,724	119,029
2005	15,297	13,632	22,318	183,743	118,387
2006	15,339	13,662	20,890	182,579	120,599
2007	15,188	14,436	21,431	180,128	117,660
2008	15,955	14,158	20,842	174,597	121,499
2009	14,313	14,130	20,329	176,800	119,285
2010	15,380	16,499	25,374	174,168	122,416
2011	14,480	15,940	21,292	175,020	115,574
2012	16,424	15,534	21,483	168,451	118,000

Bronx Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2012

<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

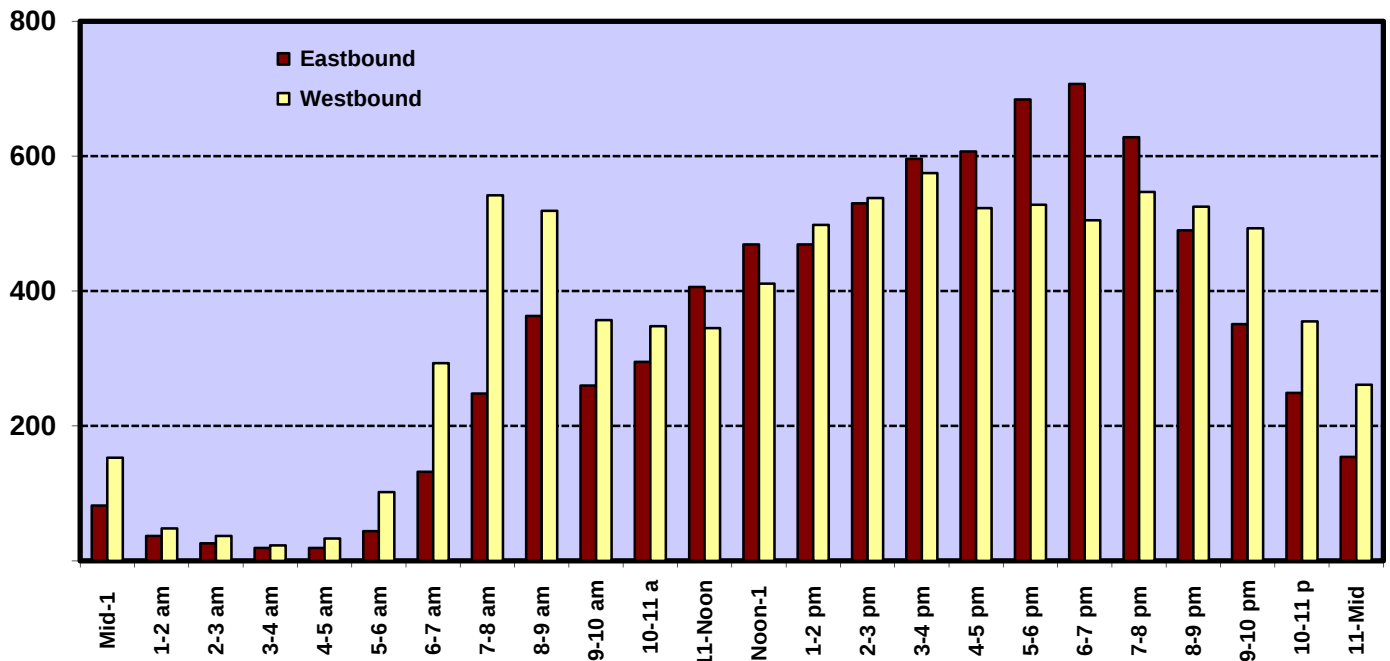
Hourly Vehicular Volumes City Island Bridge - 2012

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	82	---	---	---	---	---	153
1-2am	---	---	---	---	---	37	---	---	---	---	---	48
2-3am	---	---	---	---	---	26	---	---	---	---	---	37
3-4am	---	---	---	---	---	19	---	---	---	---	---	23
4-5am	---	---	---	---	---	19	---	---	---	---	---	33
5-6am	---	---	---	---	---	44	---	---	---	---	---	102
6-7am	---	---	---	---	---	132	---	---	---	---	---	293
7-8am	207	8	11	5	17	248	490	11	0	20	21	542
8-9am	282	16	14	9	42	363	452	16	0	16	35	519
9-10am	218	4	4	7	27	260	323	4	0	10	20	357
10-11am	276	0	4	6	9	295	333	4	1	8	2	348
11-12am	347	6	10	7	36	406	333	6	0	2	4	345
12-1pm	433	2	9	3	22	469	395	9	0	5	2	411
1-2pm	439	2	1	6	21	469	466	3	0	7	22	498
2-3pm	444	10	14	20	42	530	463	12	3	25	35	538
3-4pm	558	11	6	7	14	596	541	17	0	6	11	575
4-5pm	529	2	22	11	43	607	482	3	0	9	29	523
5-6pm	633	7	13	8	23	684	492	5	0	11	20	528
6-7pm	668	5	6	10	18	707	478	7	0	9	11	505
7-8pm	---	---	---	---	---	628	---	---	---	---	---	547
8-9pm	---	---	---	---	---	490	---	---	---	---	---	525
9-10pm	---	---	---	---	---	351	---	---	---	---	---	493
10-11pm	---	---	---	---	---	249	---	---	---	---	---	355
11-12pm	---	---	---	---	---	154	---	---	---	---	---	261
Totals	---	---	---	---	---	7,865	---	---	---	---	---	8,559
7-10am	707	28	29	21	86	871	1,265	31	0	46	76	1,418
10am-1pm	1,056	8	23	16	67	1,170	1,061	19	1	15	8	1,104
1-4pm	1,441	23	21	33	77	1,595	1,470	32	3	38	68	1,611
4-7pm	1,830	14	41	29	84	1,998	1,452	15	0	29	60	1,556
7am-7pm	5,034	73	114	99	314	5,634	5,248	97	4	128	212	5,689
6-10am						1,003						1,711
3-7pm	2,388	25	47	36	98	2,594	1,993	32	0	35	71	2,131
6am-7pm						5,766						5,982

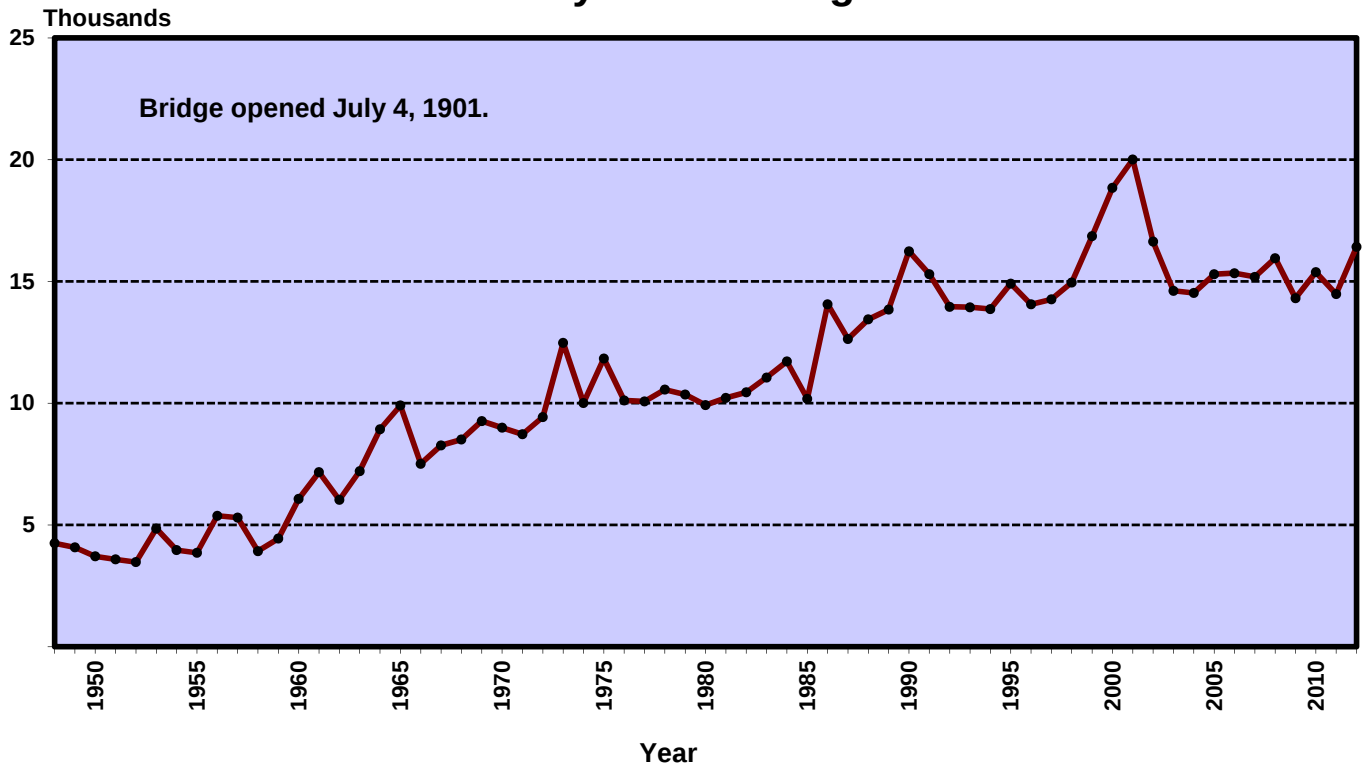
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes City Island Bridge ~ 2012



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



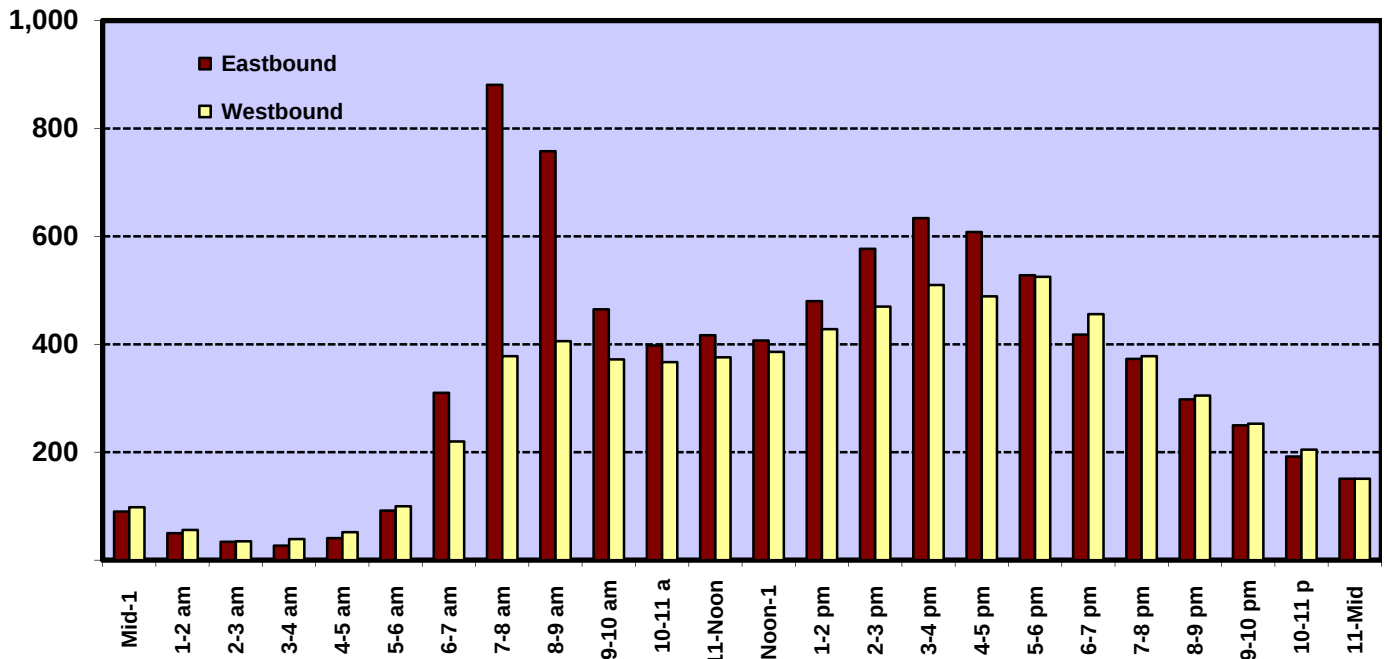
Hourly Vehicular Volumes East 174th Street Bridge - 2012

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	90	---	---	---	---	---	98
1-2am	---	---	---	---	---	50	---	---	---	---	---	56
2-3am	---	---	---	---	---	34	---	---	---	---	---	35
3-4am	---	---	---	---	---	27	---	---	---	---	---	39
4-5am	---	---	---	---	---	41	---	---	---	---	---	52
5-6am	---	---	---	---	---	92	---	---	---	---	---	100
6-7am	---	---	---	---	---	310	---	---	---	---	---	220
7-8am	727	66	22	31	35	881	324	17	12	4	21	378
8-9am	576	86	18	55	23	758	341	18	16	7	24	406
9-10am	367	36	14	22	26	465	312	14	10	8	28	372
10-11am	342	20	7	17	12	398	327	28	5	5	2	367
11-12am	297	25	25	38	32	417	303	13	4	25	31	376
12-1pm	350	12	12	17	16	407	347	19	4	7	9	386
1-2pm	423	12	14	14	17	480	387	17	7	6	11	428
2-3pm	442	38	29	42	26	577	372	35	14	18	31	470
3-4pm	553	38	13	15	15	634	439	37	9	1	24	510
4-5pm	513	13	25	31	26	608	421	16	13	13	26	489
5-6pm	466	12	13	19	18	528	470	18	13	1	23	525
6-7pm	373	16	5	10	14	418	412	13	13	3	15	456
7-8pm	---	---	---	---	---	373	---	---	---	---	---	378
8-9pm	---	---	---	---	---	298	---	---	---	---	---	305
9-10pm	---	---	---	---	---	250	---	---	---	---	---	253
10-11pm	---	---	---	---	---	192	---	---	---	---	---	205
11-12pm	---	---	---	---	---	151	---	---	---	---	---	151
Totals	---	---	---	---	---	8,479	---	---	---	---	---	7,055
7-10am	1,670	188	54	108	84	2,104	977	49	38	19	73	1,156
10am-1pm	989	57	44	72	60	1,222	977	60	13	37	42	1,129
1-4pm	1,418	88	56	71	58	1,691	1,198	89	30	25	66	1,408
4-7pm	1,352	41	43	60	58	1,554	1,303	47	39	17	64	1,470
7am-7pm	5,429	374	197	311	260	6,571	4,455	245	120	98	245	5,163
6-10am						2,414						1,376
3-7pm	1,905	79	56	75	73	2,188	1,742	84	48	18	88	1,980
6am-7pm						6,881						5,383

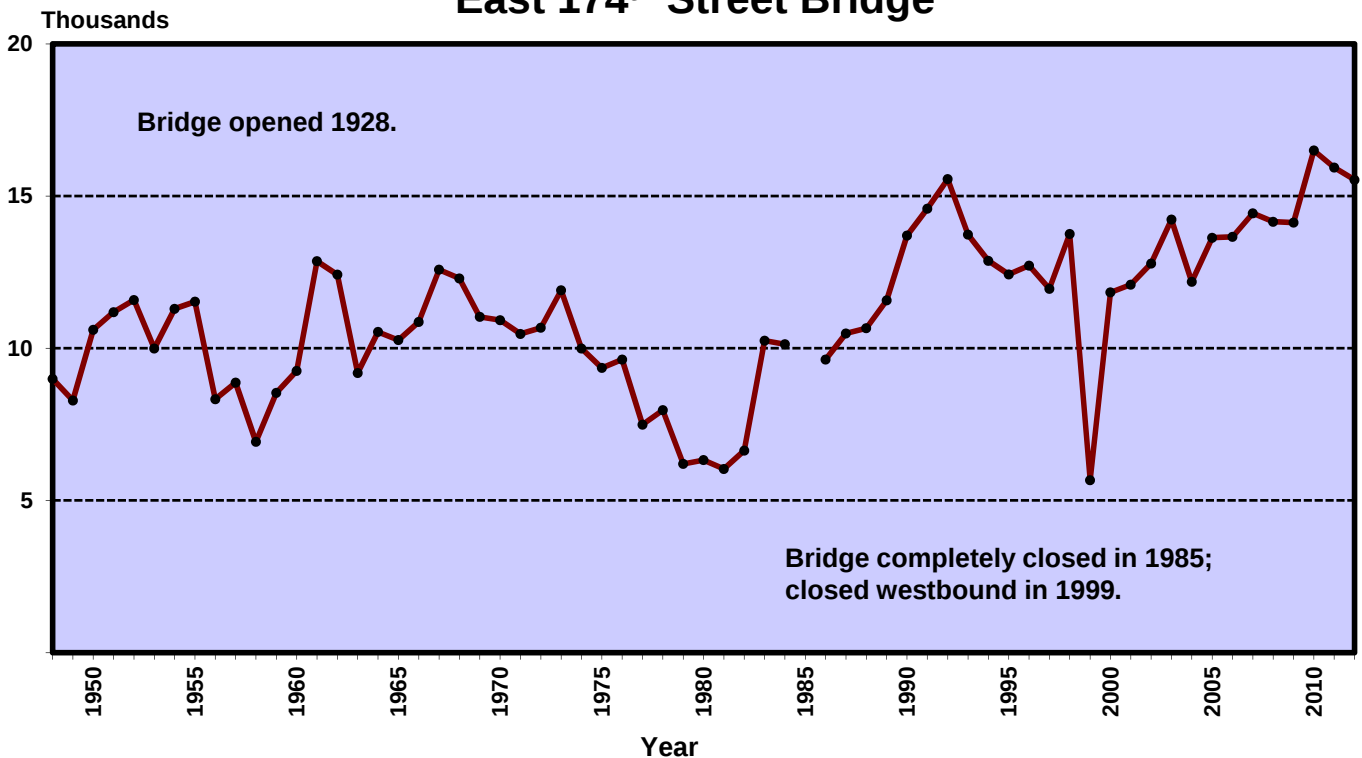
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes East 174th Street Bridge ~ 2012



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



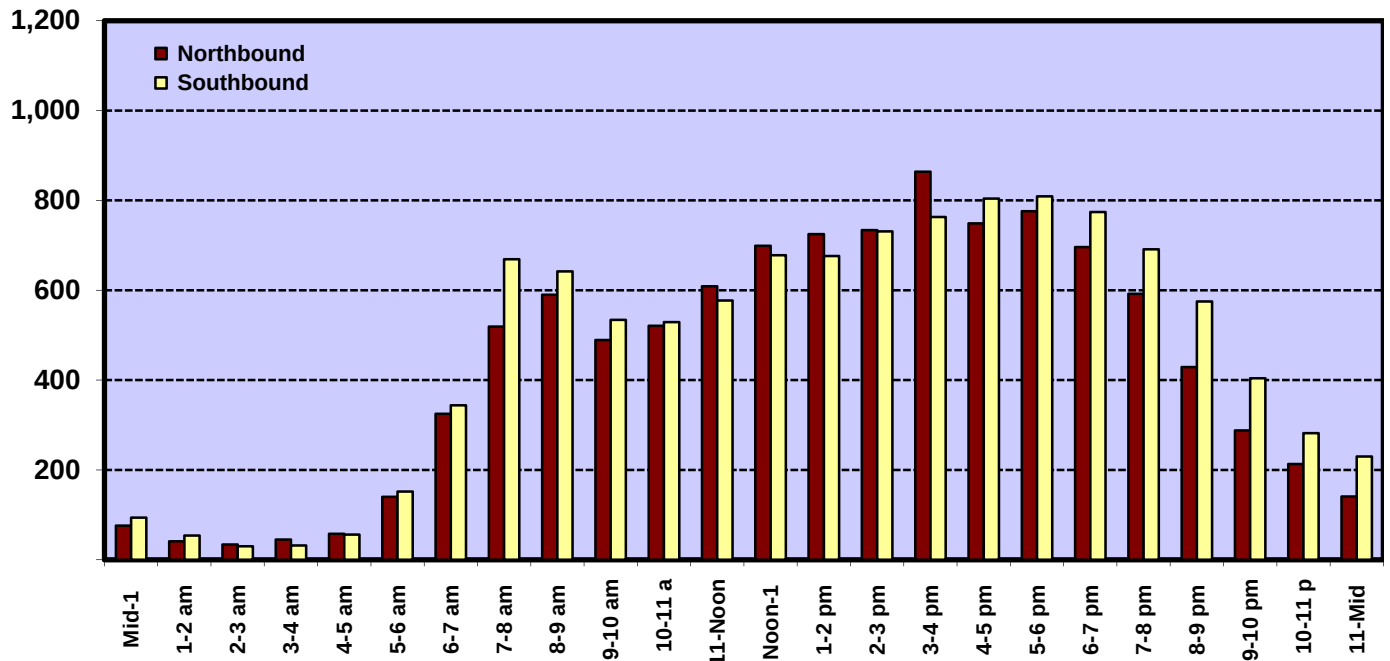
Hourly Vehicular Volumes Eastchester Bridge - 2012

[illegible]

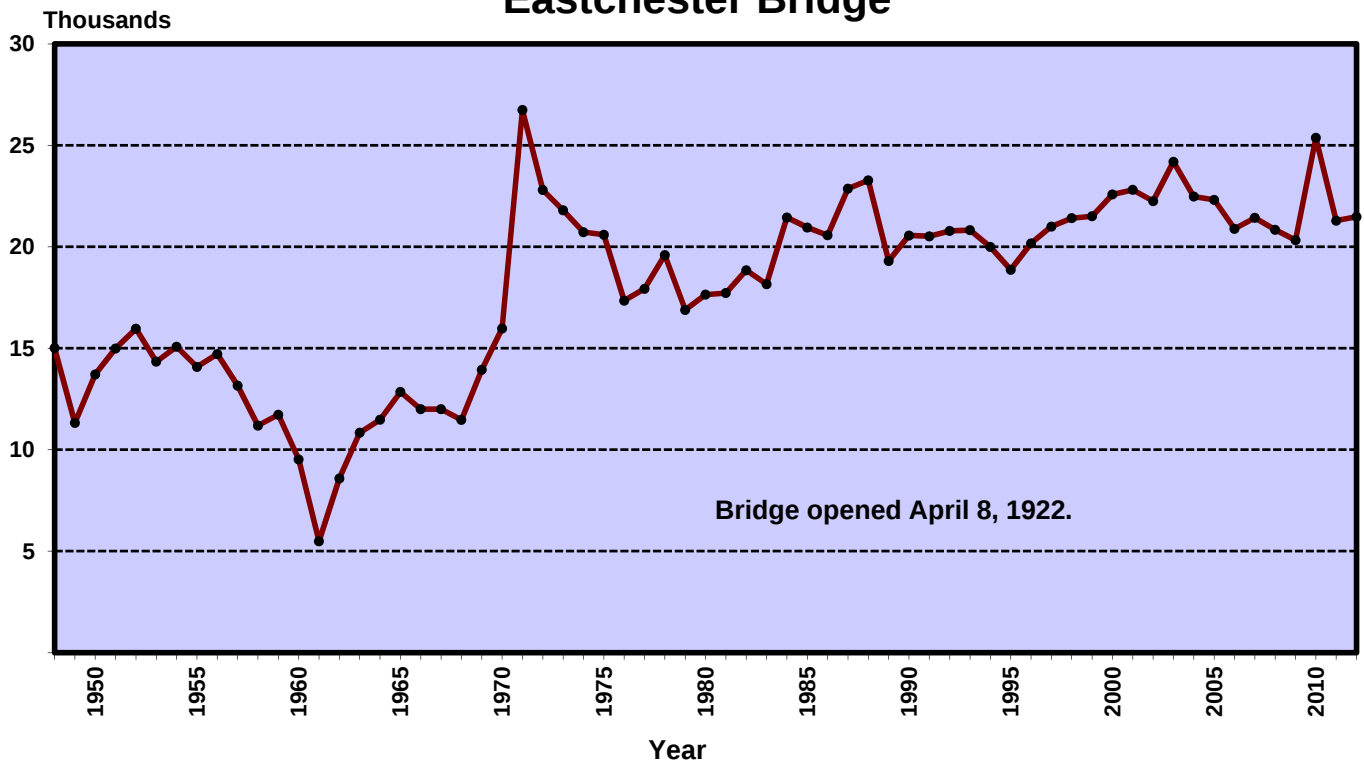
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Eastchester Bridge ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Eastchester Bridge



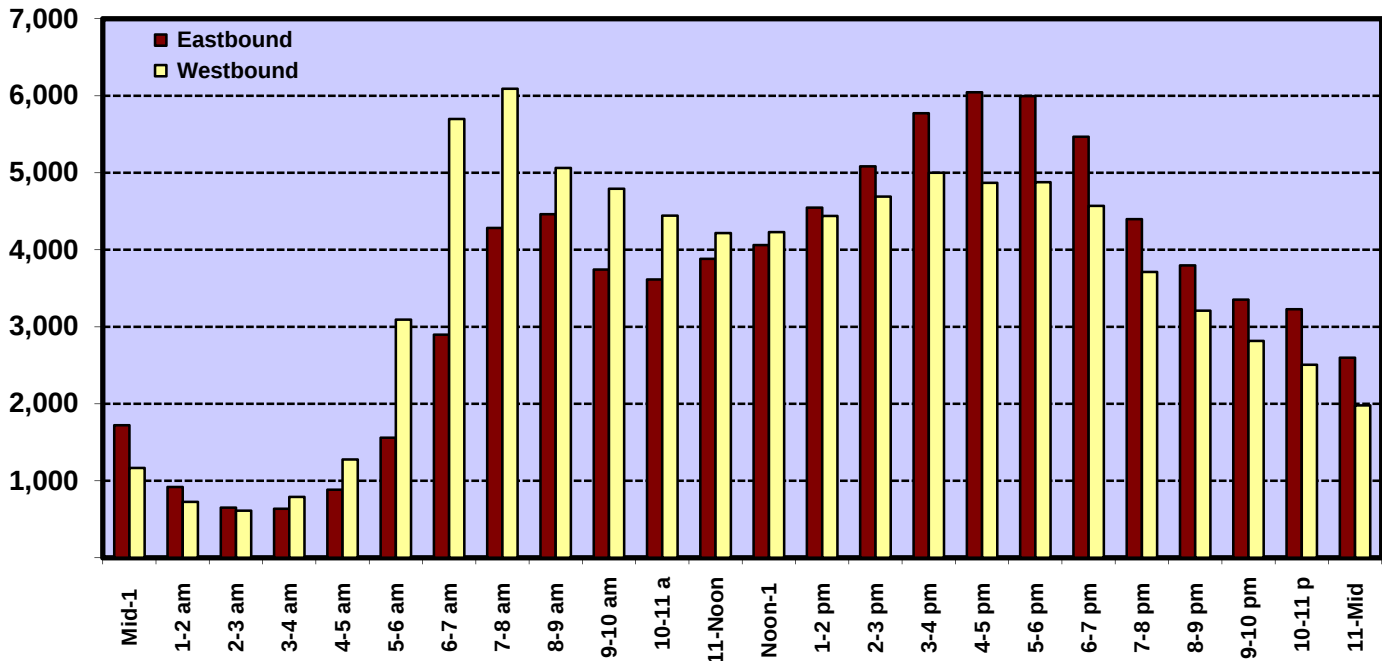
Hourly Vehicular Volumes Eastern Boulevard Bridge - 2012

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	1,722	---	---	---	---	---	1,167
1-2am	---	---	---	---	---	919	---	---	---	---	---	725
2-3am	---	---	---	---	---	652	---	---	---	---	---	611
3-4am	---	---	---	---	---	636	---	---	---	---	---	790
4-5am	---	---	---	---	---	883	---	---	---	---	---	1,277
5-6am	---	---	---	---	---	1,559	---	---	---	---	---	3,093
6-7am	---	---	---	---	---	2,897	---	---	---	---	---	5,698
7-8am	3,619	55	68	407	133	4,282	5,290	96	115	340	250	6,091 **
8-9am	3,548	103	95	503	213	4,462	4,287	60	115	365	235	5,062
9-10am	2,879	90	104	482	187	3,742	4,150	42	78	302	220	4,792
10-11am	3,183	23	47	261	100	3,614	4,098	35	53	162	96	4,444
11-12am	3,071	15	140	410	247	3,883	3,616	25	101	279	196	4,217
12-1pm	3,658	20	66	201	116	4,061	3,914	26	32	164	94	4,230
1-2pm	4,281	28	1	150	86	4,546	4,102	54	56	167	59	4,438
2-3pm	4,593	41	0	258	190	5,082	4,031	110	88	334	128	4,691
3-4pm	5,496	39	0	146	92	5,773	4,657	67	42	181	52	4,999
4-5pm	5,533	36	0	292	183	6,044 **	4,202	102	121	279	164	4,868
5-6pm	5,683	58	0	89	165	5,995	4,451	34	135	171	86	4,877
6-7pm	5,146	42	0	142	138	5,468	4,307	38	78	86	60	4,569
7-8pm	---	---	---	---	---	4,397	---	---	---	---	---	3,711
8-9pm	---	---	---	---	---	3,796	---	---	---	---	---	3,208
9-10pm	---	---	---	---	---	3,352	---	---	---	---	---	2,817
10-11pm	---	---	---	---	---	3,227	---	---	---	---	---	2,506
11-12pm	---	---	---	---	---	2,599	---	---	---	---	---	1,979
Totals	---	---	---	---	---	83,591	---	---	---	---	---	84,860
7-10am	10,046	248	267	1,392	533	12,486	13,727	198	308	1,007	705	15,945
10am-1pm	9,912	58	253	872	463	11,558	11,628	86	186	605	386	12,891
1-4pm	14,370	108	1	554	368	15,401	12,790	231	186	682	239	14,128
4-7pm	16,362	136	0	523	486	17,507	12,960	174	334	536	310	14,314
7am-7pm	50,690	550	521	3,341	1,850	56,952	51,105	689	1,014	2,830	1,640	57,278
6-10am						15,383						21,643
3-7pm	21,858	175	0	669	578	23,280	17,617	241	376	717	362	19,313
6am-7pm						59,849						62,976

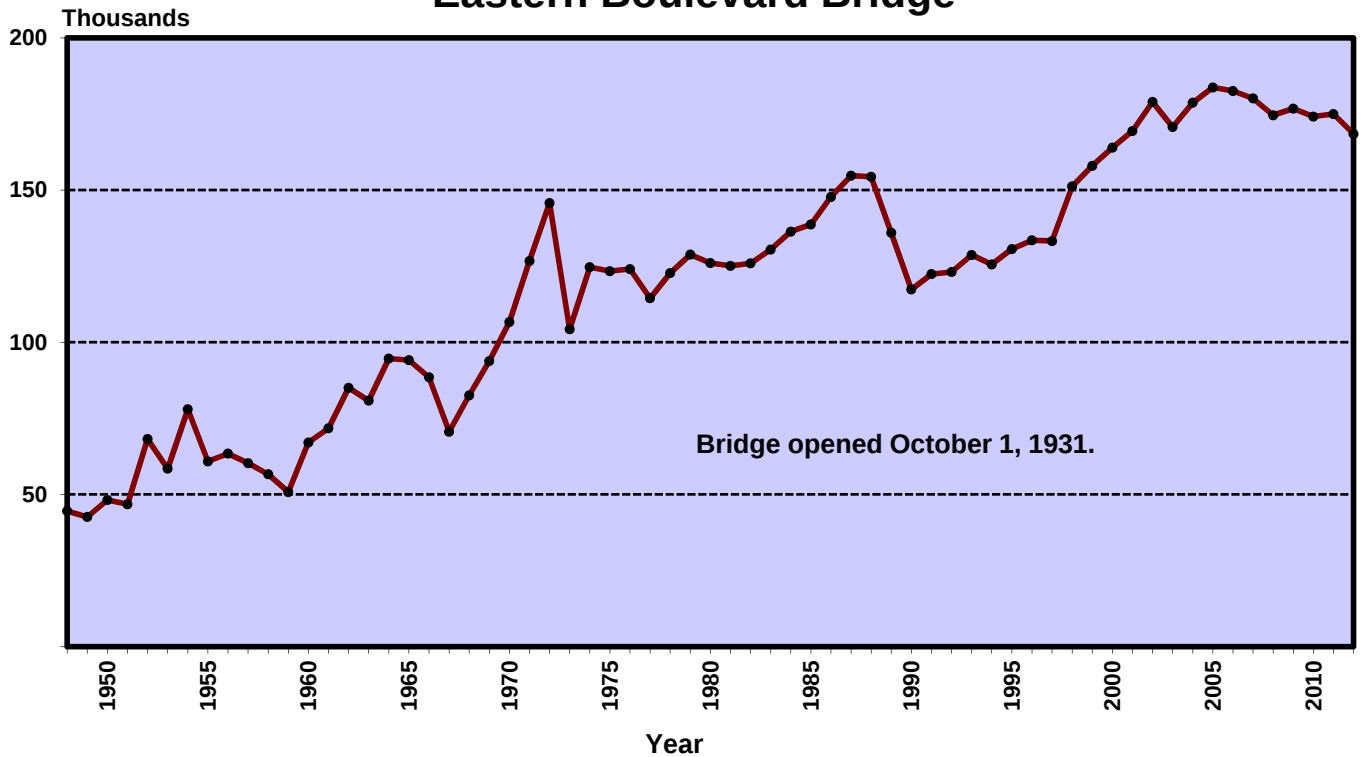
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Eastern Boulevard Bridge ~ 2012



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



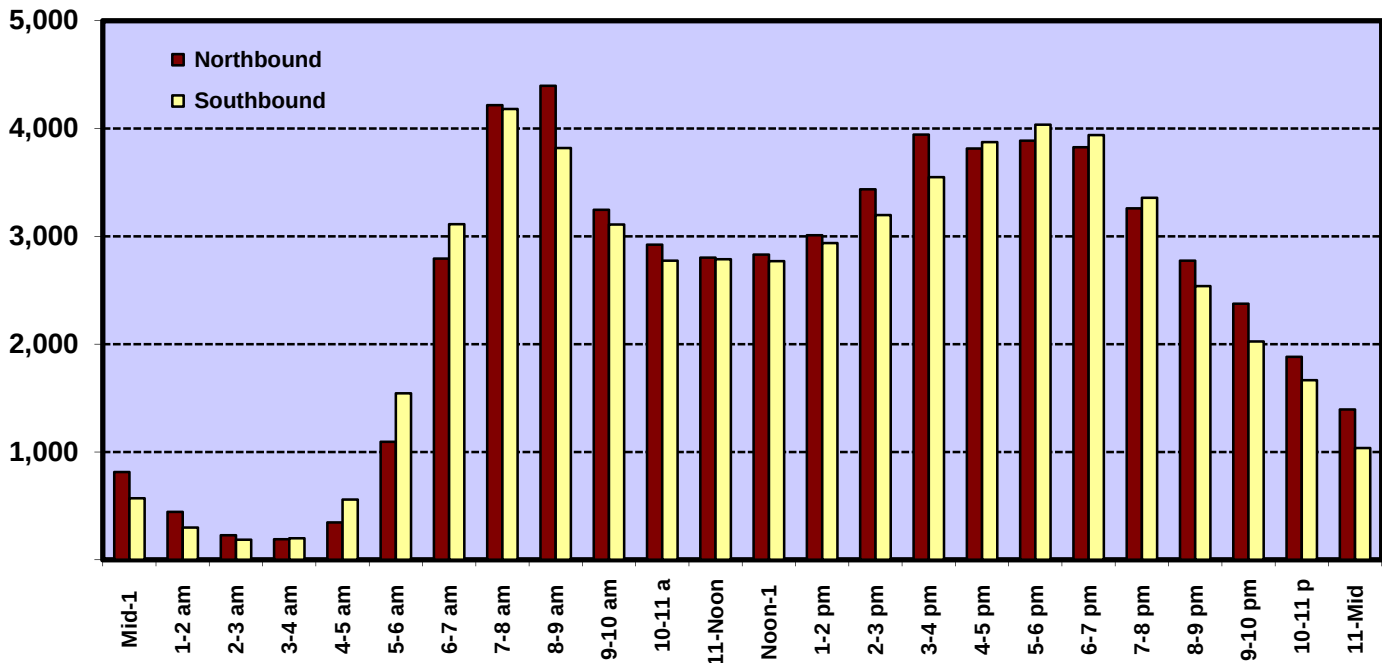
Hourly Vehicular Volumes Hutchinson River Parkway Bridge - 2012

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	814	---	---	---	---	---	570
1-2am	---	---	---	---	---	445	---	---	---	---	---	299
2-3am	---	---	---	---	---	227	---	---	---	---	---	186
3-4am	---	---	---	---	---	190	---	---	---	---	---	200
4-5am	---	---	---	---	---	347	---	---	---	---	---	559
5-6am	---	---	---	---	---	1,094	---	---	---	---	---	1,544
6-7am	---	---	---	---	---	2,793	---	---	---	---	---	3,113
7-8am	3,895	4	100	146	72	4,217	4,039	1	20	10	111	4,181
8-9am	4,118	7	73	142	56	4,396	3,730	2	6	7	74	3,819
9-10am	2,988	1	84	106	67	3,246	2,989	7	13	12	88	3,109
10-11am	2,783	3	38	64	35	2,923	2,730	3	6	6	29	2,774
11-12am	2,508	0	115	110	70	2,803	2,643	0	9	11	125	2,788
12-1pm	2,714	0	33	57	27	2,831	2,725	0	3	3	39	2,770
1-2pm	2,846	7	52	72	34	3,011	2,861	6	8	0	62	2,937
2-3pm	3,073	5	121	171	66	3,436	3,067	6	13	6	106	3,198
3-4pm	3,776	3	57	73	35	3,944	3,467	11	3	3	65	3,549
4-5pm	3,440	1	81	216	76	3,814	3,788	0	16	0	70	3,874
5-6pm	3,612	1	81	134	60	3,888	3,930	0	10	8	88	4,036
6-7pm	3,589	0	74	103	61	3,827	3,841	0	16	2	80	3,939
7-8pm	---	---	---	---	---	3,259	---	---	---	---	---	3,357
8-9pm	---	---	---	---	---	2,775	---	---	---	---	---	2,539
9-10pm	---	---	---	---	---	2,375	---	---	---	---	---	2,025
10-11pm	---	---	---	---	---	1,883	---	---	---	---	---	1,666
11-12pm	---	---	---	---	---	1,394	---	---	---	---	---	1,036
Totals	---	---	---	---	---	59,932	---	---	---	---	---	58,068
7-10am	11,001	12	257	394	195	11,859	10,758	10	39	29	273	11,109
10am-1pm	8,005	3	186	231	132	8,557	8,098	3	18	20	193	8,332
1-4pm	9,695	15	230	316	135	10,391	9,395	23	24	9	233	9,684
4-7pm	10,641	2	236	453	197	11,529	11,559	0	42	10	238	11,849
7am-7pm	39,342	32	909	1,394	659	42,336	39,810	36	123	68	937	40,974
6-10am						14,652						14,222
3-7pm	14,417	5	293	526	232	15,473	15,026	11	45	13	303	15,398
6am-7pm						45,129						44,087

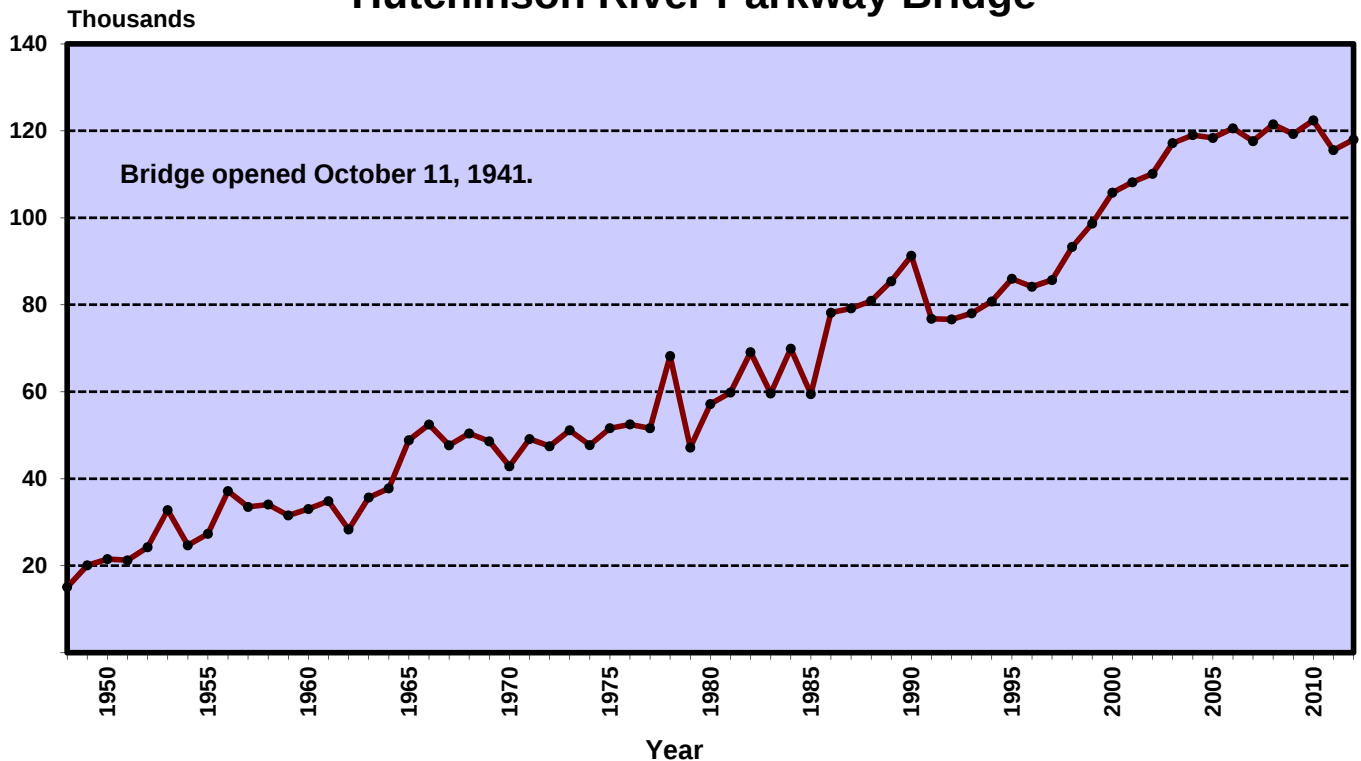
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hutchinson River Parkway Bridge ~ 2012



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



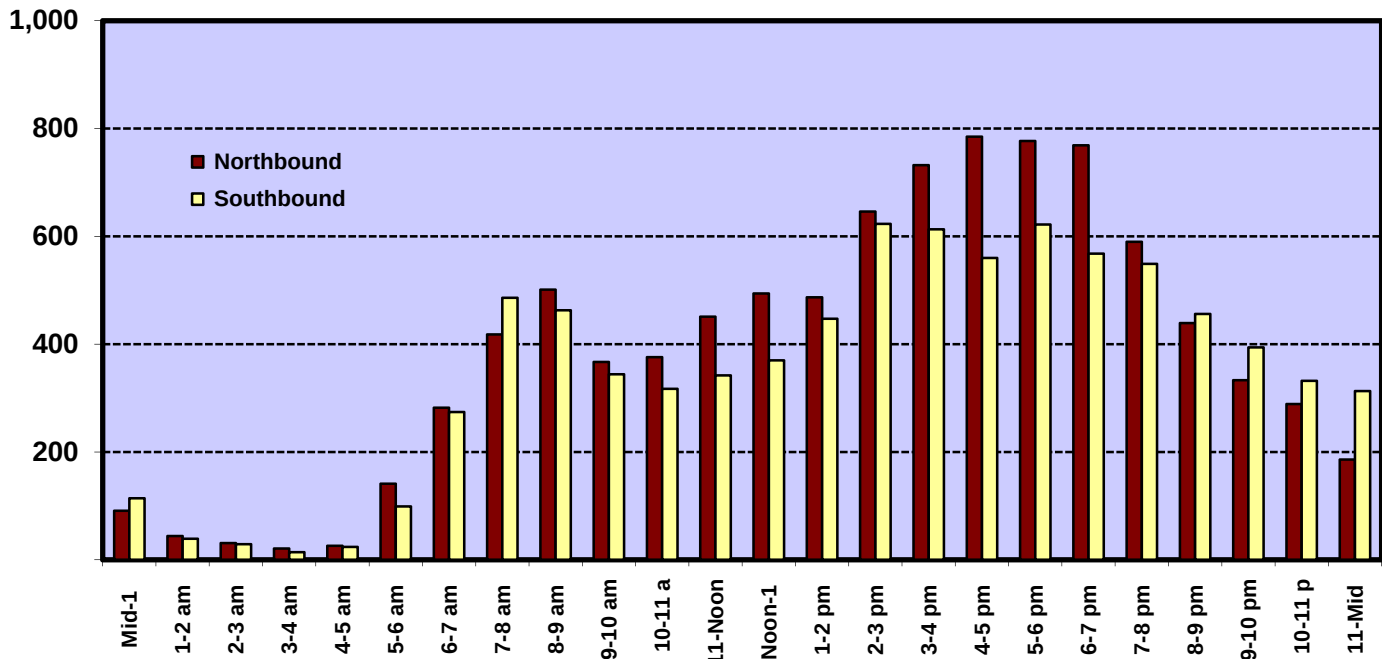
Hourly Vehicular Volumes Pelham Bridge - 2012

	Northbound					Southbound					2-Way Totals		
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans	Totals
12-1am	---	---	---	---	---	91	---	---	---	---	---	114	205
1-2am	---	---	---	---	---	44	---	---	---	---	---	39	83
2-3am	---	---	---	---	---	31	---	---	---	---	---	29	60
3-4am	---	---	---	---	---	21	---	---	---	---	---	14	35
4-5am	---	---	---	---	---	26	---	---	---	---	---	24	50
5-6am	---	---	---	---	---	141	---	---	---	---	---	99	240
6-7am	---	---	---	---	---	282	---	---	---	---	---	274	556
7-8am	347	16	12	25	18	418	424	14	10	20	18	486	904
8-9am	409	18	6	36	32	501	371	15	12	33	32	463	964
9-10am	309	7	2	23	26	367	284	5	7	30	18	344	711
10-11am	320	2	3	29	22	376	273	6	9	9	20	317	693
11-12am	385	5	6	23	32	451	256	4	10	50	22	342	793
12-1pm	460	11	2	5	16	494	344	10	2	9	5	370	864
1-2pm	458	7	0	13	9	487	408	8	6	15	10	447	934
2-3pm	548	22	9	32	35	646	548	14	7	33	21	623	1,269
3-4pm	673	15	1	17	26	732	557	23	5	17	11	613	1,345
4-5pm	715	7	5	18	40	785	519	7	2	17	15	560	1,345
5-6pm	705	10	4	22	36	777	550	14	15	13	30	622	1,399
6-7pm	721	10	4	5	29	769	518	8	12	18	12	568	1,337
7-8pm	---	---	---	---	---	590	---	---	---	---	---	549	1,139
8-9pm	---	---	---	---	---	439	---	---	---	---	---	456	895
9-10pm	---	---	---	---	---	333	---	---	---	---	---	394	727
10-11pm	---	---	---	---	---	289	---	---	---	---	---	332	621
11-12pm	---	---	---	---	---	186	---	---	---	---	---	313	499
Totals	---	---	---	---	---	9,276	---	---	---	---	---	8,392	17,668
7-10am	1,065	41	20	84	76	1,286	1,079	34	29	83	68	1,293	2,579
10am-1pm	1,165	18	11	57	70	1,321	873	20	21	68	47	1,029	2,350
1-4pm	1,679	44	10	62	70	1,865	1,513	45	18	65	42	1,683	3,548
4-7pm	2,141	27	13	45	105	2,331	1,587	29	29	48	57	1,750	4,081
7am-7pm	6,050	130	54	248	321	6,803	5,052	128	97	264	214	5,755	12,558
6-10am						1,568						1,567	3,135
3-7pm	2,814	42	14	62	131	3,063	2,144	52	34	65	68	2,363	5,426
6am-7pm						7,085						6,029	13,114

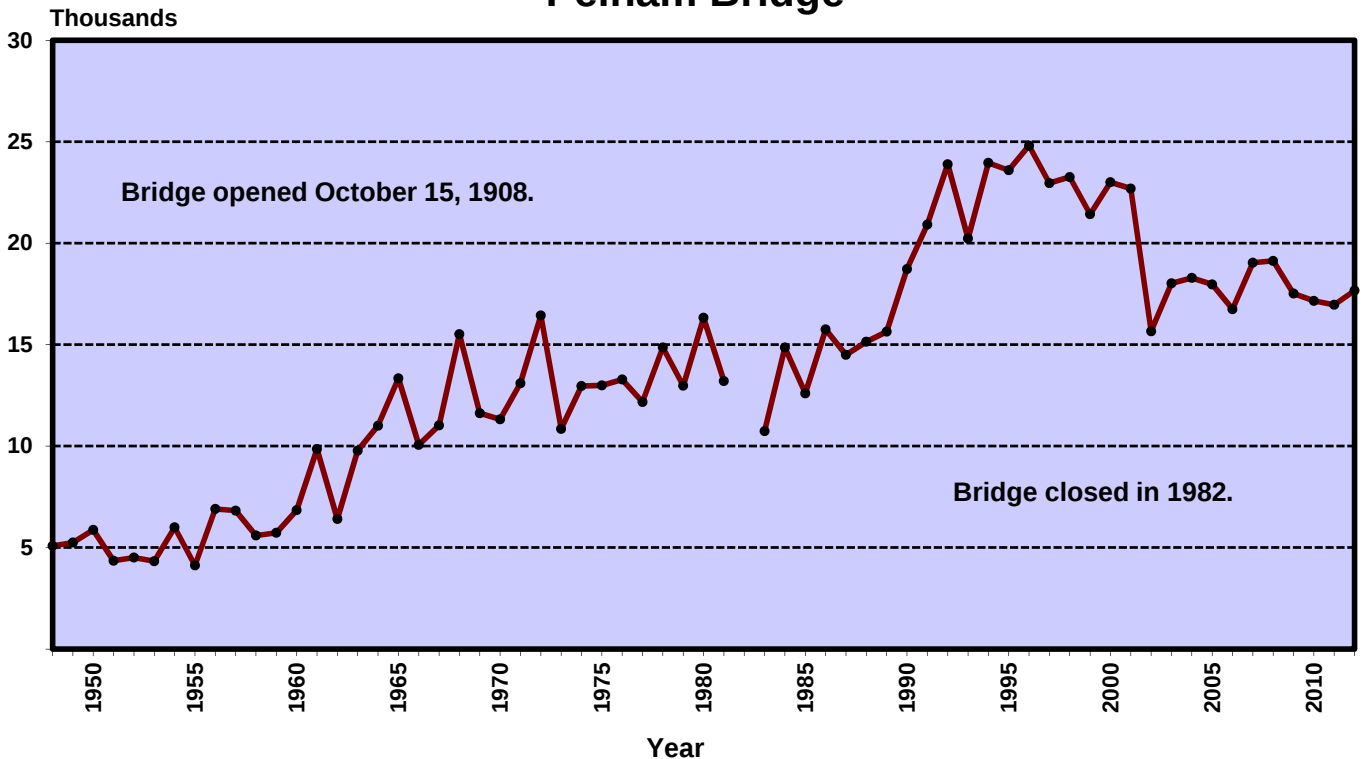
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Pelham Bridge ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Pelham Bridge



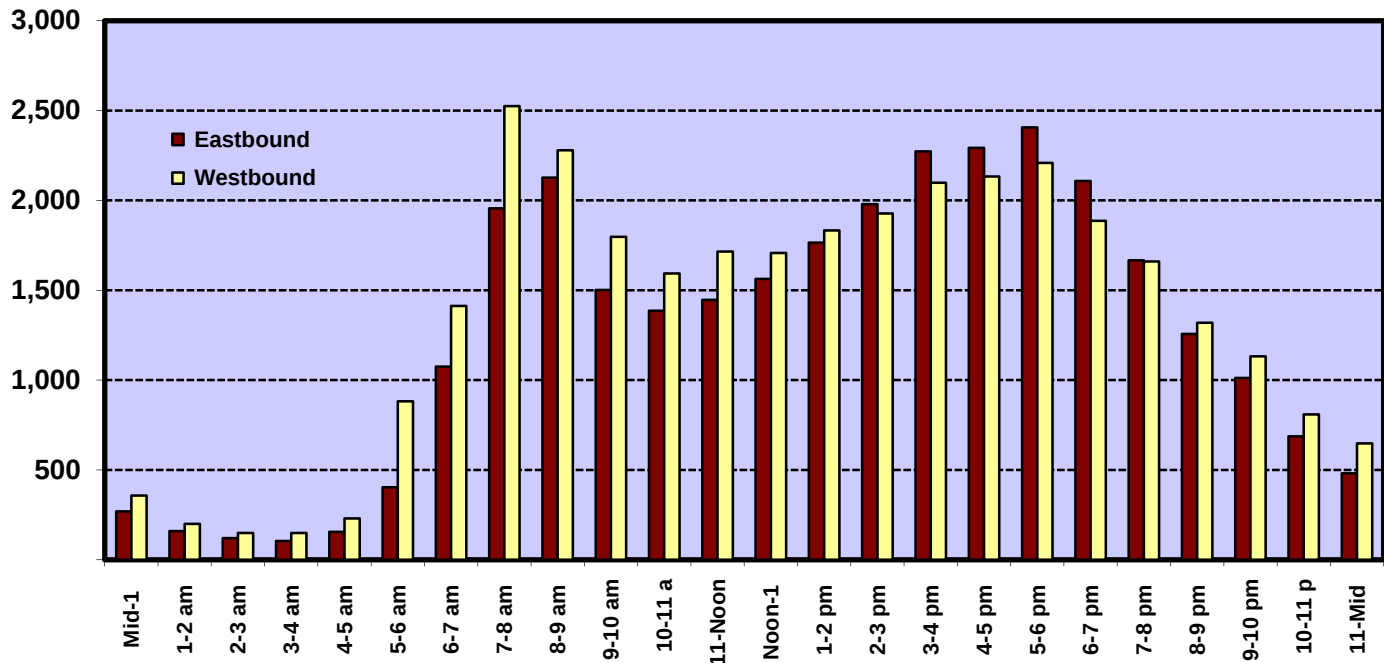
Hourly Vehicular Volumes Unionport Bridge - 2012

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	269	---	---	---	---	---	357
1-2am	---	---	---	---	---	160	---	---	---	---	---	200
2-3am	---	---	---	---	---	121	---	---	---	---	---	149
3-4am	---	---	---	---	---	105	---	---	---	---	---	149
4-5am	---	---	---	---	---	155	---	---	---	---	---	230
5-6am	---	---	---	---	---	404	---	---	---	---	---	882
6-7am	---	---	---	---	---	1,075	---	---	---	---	---	1,413
7-8am	1,698	45	25	142	46	1,956	2,355	46	3	50	71	2,525 **
8-9am	1,795	43	56	153	80	2,127	2,125	27	0	74	53	2,279
9-10am	1,204	33	59	127	79	1,502	1,663	22	0	48	64	1,797
10-11am	1,225	18	19	79	45	1,386	1,500	21	0	18	54	1,593
11-12am	1,135	15	58	160	78	1,446	1,485	18	0	96	116	1,715
12-1pm	1,391	14	30	88	40	1,563	1,627	11	0	37	32	1,707
1-2pm	1,442	12	47	171	93	1,765	1,579	24	2	114	114	1,833
2-3pm	1,693	19	51	153	63	1,979	1,693	27	0	102	105	1,927
3-4pm	2,124	16	20	71	42	2,273	1,934	48	0	47	69	2,098
4-5pm	1,993	20	42	159	78	2,292	1,891	30	0	71	141	2,133
5-6pm	2,125	27	54	155	45	2,406 **	2,021	32	0	71	85	2,209
6-7pm	1,870	37	51	111	39	2,108	1,778	19	0	33	56	1,886
7-8pm	---	---	---	---	---	1,666	---	---	---	---	---	1,660
8-9pm	---	---	---	---	---	1,257	---	---	---	---	---	1,319
9-10pm	---	---	---	---	---	1,012	---	---	---	---	---	1,132
10-11pm	---	---	---	---	---	687	---	---	---	---	---	809
11-12pm	---	---	---	---	---	481	---	---	---	---	---	648
Totals	---	---	---	---	---	30,195	---	---	---	---	---	32,650
7-10am	4,697	121	140	422	205	5,585	6,143	95	3	172	188	6,601
10am-1pm	3,751	47	107	327	163	4,395	4,612	50	0	151	202	5,015
1-4pm	5,259	47	118	395	198	6,017	5,206	99	2	263	288	5,858
4-7pm	5,988	84	147	425	162	6,806	5,690	81	0	175	282	6,228
7am-7pm	19,695	299	512	1,569	728	22,803	21,651	325	5	761	960	23,702
6-10am	---	---	---	---	---	6,660	---	---	---	---	---	8,014
3-7pm	8,112	100	167	496	204	9,079	7,624	129	0	222	351	8,326
6am-7pm	---	---	---	---	---	23,878	---	---	---	---	---	25,115

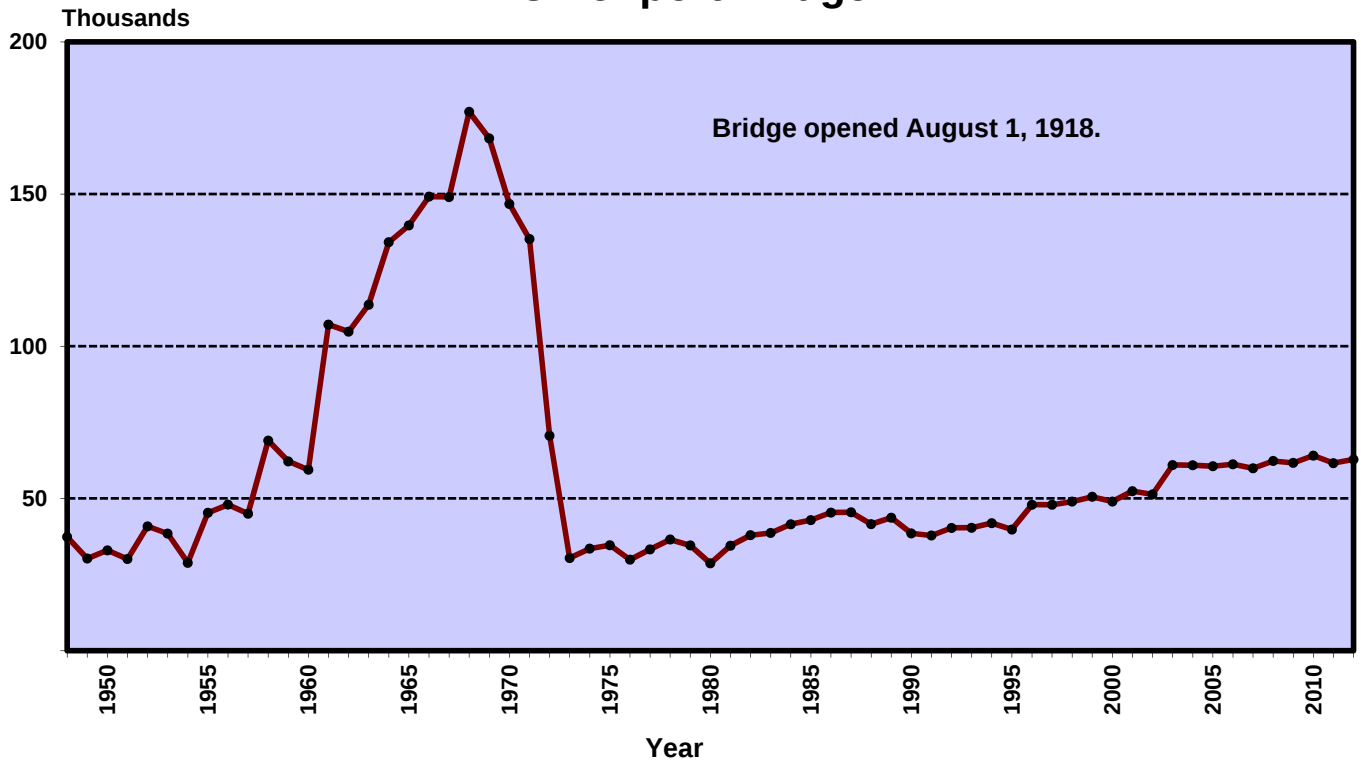
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Unionport Bridge ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Unionport Bridge



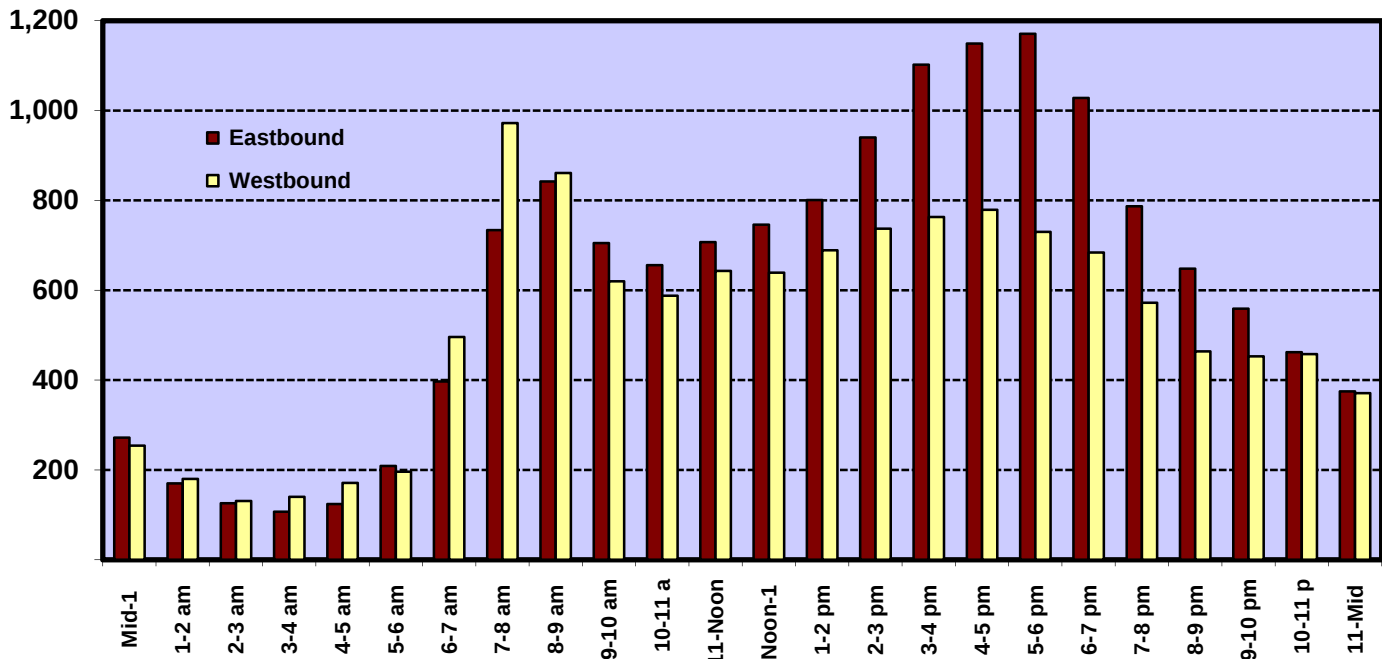
Hourly Vehicular Volumes Westchester Avenue Bridge - 2012

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	272	---	---	---	---	---	254
1-2am	---	---	---	---	---	170	---	---	---	---	---	180
2-3am	---	---	---	---	---	126	---	---	---	---	---	131
3-4am	---	---	---	---	---	107	---	---	---	---	---	140
4-5am	---	---	---	---	---	124	---	---	---	---	---	171
5-6am	---	---	---	---	---	209	---	---	---	---	---	196
6-7am	---	---	---	---	---	397	---	---	---	---	---	496
7-8am	626	38	18	28	24	734	848	39	1	23	61	972 **
8-9am	716	60	9	29	28	842	747	40	1	30	43	861
9-10am	629	31	13	13	19	705	531	14	0	24	51	620
10-11am	597	31	4	10	14	656	550	17	0	12	9	588
11-12am	598	27	8	33	41	707	522	18	0	41	62	643
12-1pm	700	21	2	8	15	746	564	21	0	27	27	639
1-2pm	717	43	9	16	16	801	626	23	0	12	28	689
2-3pm	790	58	7	34	51	940	635	32	0	22	48	737
3-4pm	996	76	2	16	12	1,102	706	26	0	14	17	763
4-5pm	1,038	42	24	24	21	1,149	683	32	0	22	42	779
5-6pm	1,074	24	13	23	37	1,171 **	628	18	0	19	65	730
6-7pm	944	31	2	9	42	1,028	610	9	0	2	63	684
7-8pm	---	---	---	---	---	787	---	---	---	---	---	572
8-9pm	---	---	---	---	---	648	---	---	---	---	---	464
9-10pm	---	---	---	---	---	559	---	---	---	---	---	453
10-11pm	---	---	---	---	---	462	---	---	---	---	---	458
11-12pm	---	---	---	---	---	375	---	---	---	---	---	371
Totals	---	---	---	---	---	14,817	---	---	---	---	---	12,591
7-10am	1,971	129	40	70	71	2,281	2,126	93	2	77	155	2,453
10am-1pm	1,895	79	14	51	70	2,109	1,636	56	0	80	98	1,870
1-4pm	2,503	177	18	66	79	2,843	1,967	81	0	48	93	2,189
4-7pm	3,056	97	39	56	100	3,348	1,921	59	0	43	170	2,193
7am-7pm	9,425	482	111	243	320	10,581	7,650	289	2	248	516	8,705
6-10am						2,678						2,949
3-7pm	4,052	173	41	72	112	4,450	2,627	85	0	57	187	2,956
6am-7pm						10,978						9,201

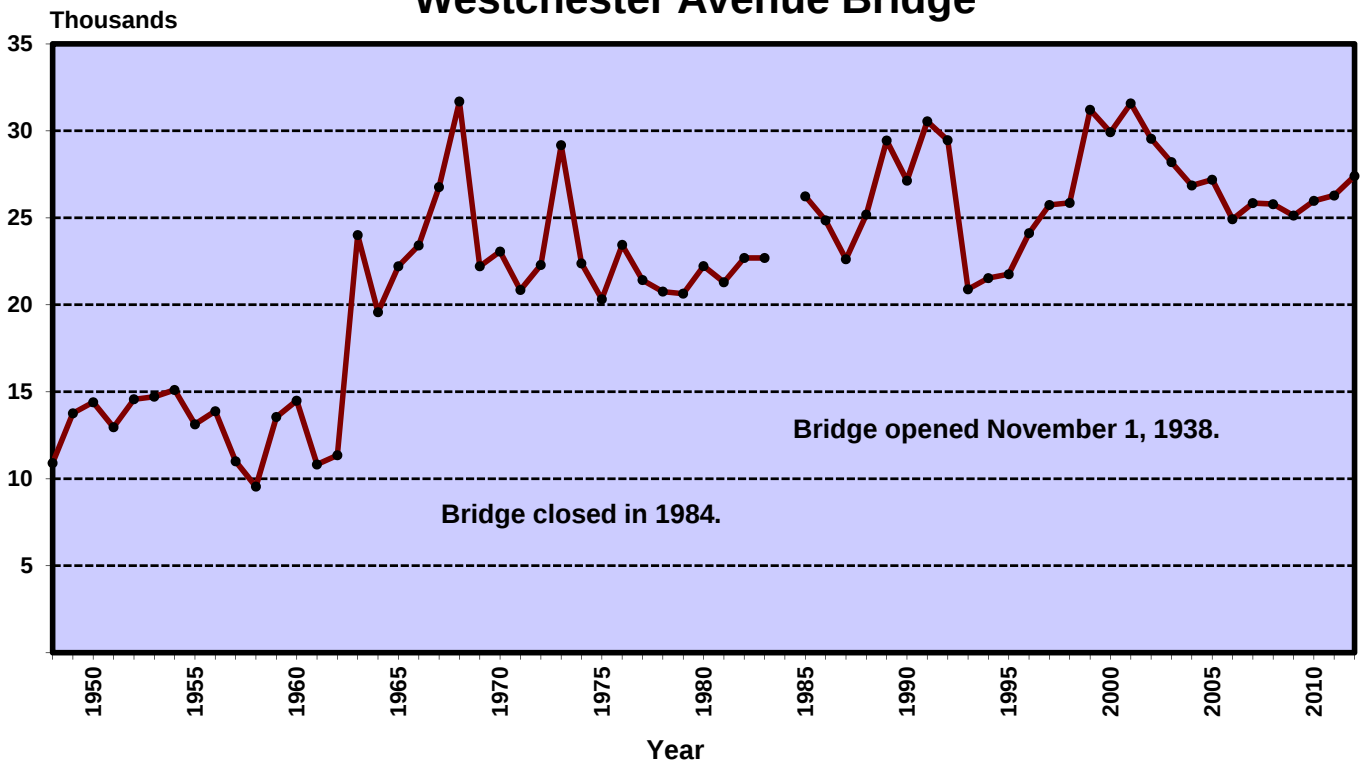
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Westchester Avenue Bridge ~ 2012



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



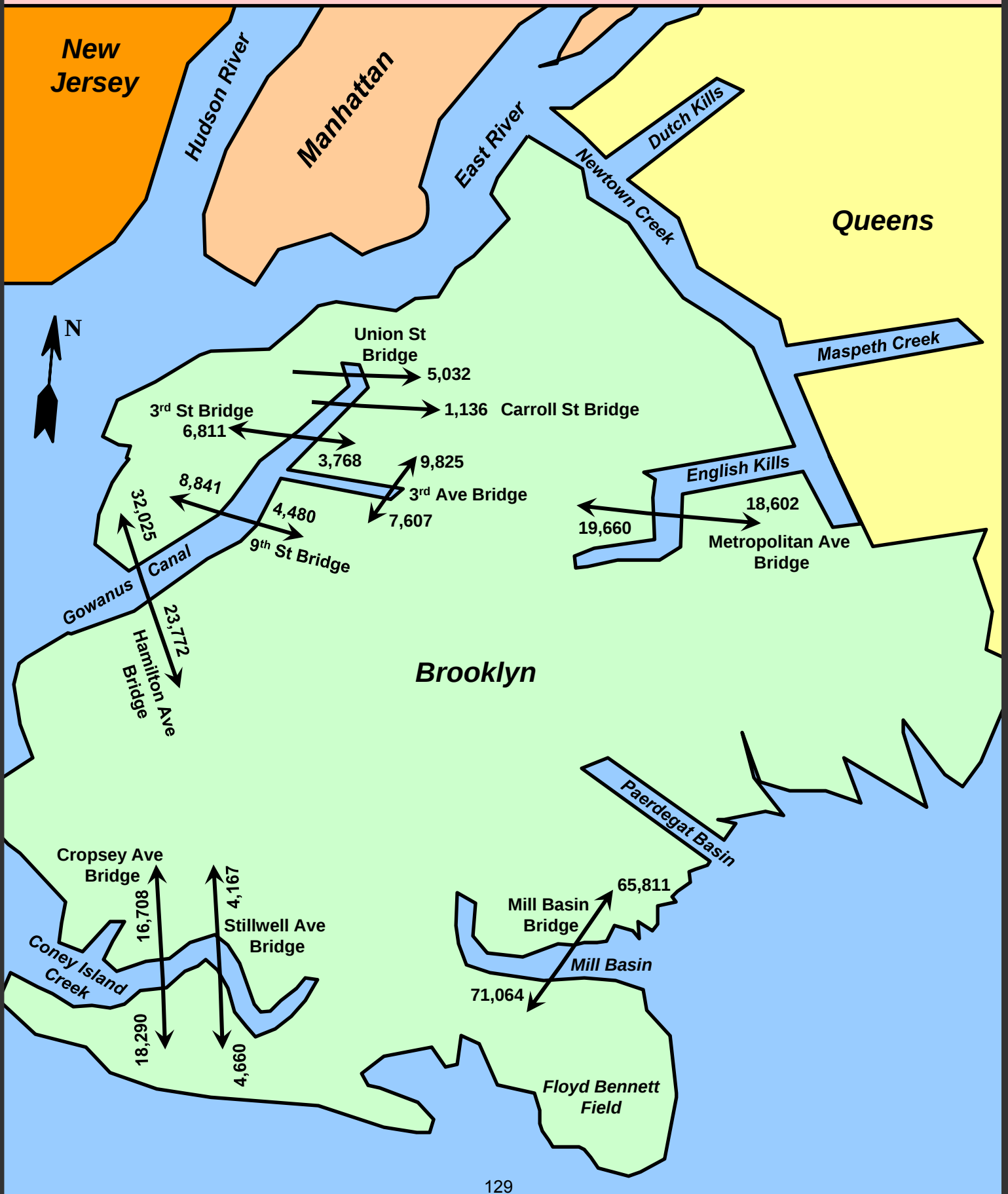
Brooklyn Bridges



Union Street Bridge

BROOKLYN BRIDGES

2012 Daily Volumes



Brooklyn Bridges
Average Daily Traffic Volumes
1948 - 2012

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

Brooklyn Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2012

Year	Ninth Street	Stillwell Avenue	Third Avenue	Third Street	Union Street	Totals
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

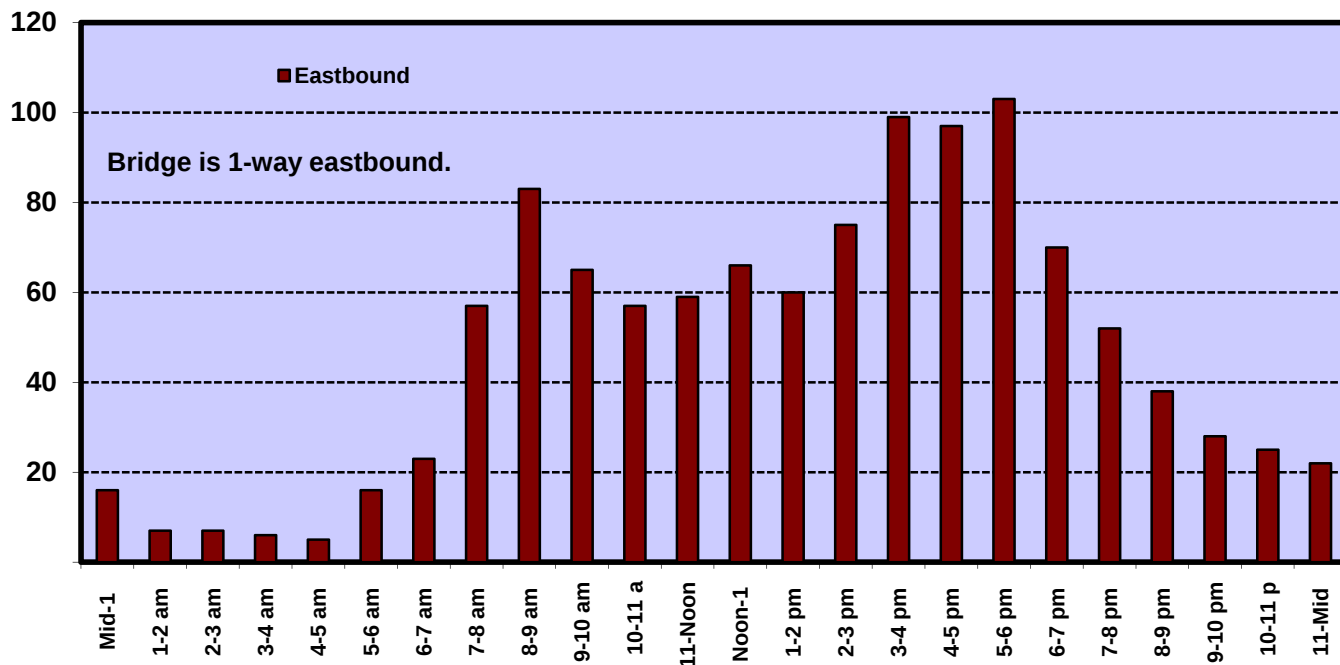
Hourly Vehicular Volumes Carroll Street Bridge - 2012

	Eastbound					Totals	Westbound					Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans		
12-1am	---	---	---	---	---	16							16
1-2am	---	---	---	---	---	7							7
2-3am	---	---	---	---	---	7							7
3-4am	---	---	---	---	---	6							6
4-5am	---	---	---	---	---	5							5
5-6am	---	---	---	---	---	16							16
6-7am	---	---	---	---	---	23							23
7-8am	21	0	11	14	11	57							57
8-9am	25	3	8	25	22	83							83
9-10am	24	0	7	24	10	65							65
10-11am	28	0	0	17	12	57							57
11-12am	21	0	6	17	15	59							59
12-1pm	13	0	13	19	21	66							66
1-2pm	18	0	9	10	23	60							60
2-3pm	1	0	16	38	20	75							75
3-4pm	81	0	2	9	7	99							99
4-5pm	74	0	3	8	12	97							97
5-6pm	82	0	8	5	8	103 **							103 **
6-7pm	61	0	4	1	4	70							70
7-8pm	---	---	---	---	---	52							52
8-9pm	---	---	---	---	---	38							38
9-10pm	---	---	---	---	---	28							28
10-11pm	---	---	---	---	---	25							25
11-12pm	---	---	---	---	---	22							22
Totals	---	---	---	---	---	1,136	---	---	---	---	---	---	1,136
7-10am	70	3	26	63	43	205	---	---	---	---	---	---	205
10am-1pm	62	0	19	53	48	182	---	---	---	---	---	---	182
1-4pm	100	0	27	57	50	234	---	---	---	---	---	---	234
4-7pm	217	0	15	14	24	270	---	---	---	---	---	---	270
7am-7pm	449	3	87	187	165	891	---	---	---	---	---	---	891
6-10am													
3-7pm	298	0	17	23	31	369	---	---	---	---	---	---	369
6am-7pm						914	---	---	---	---	---	---	914

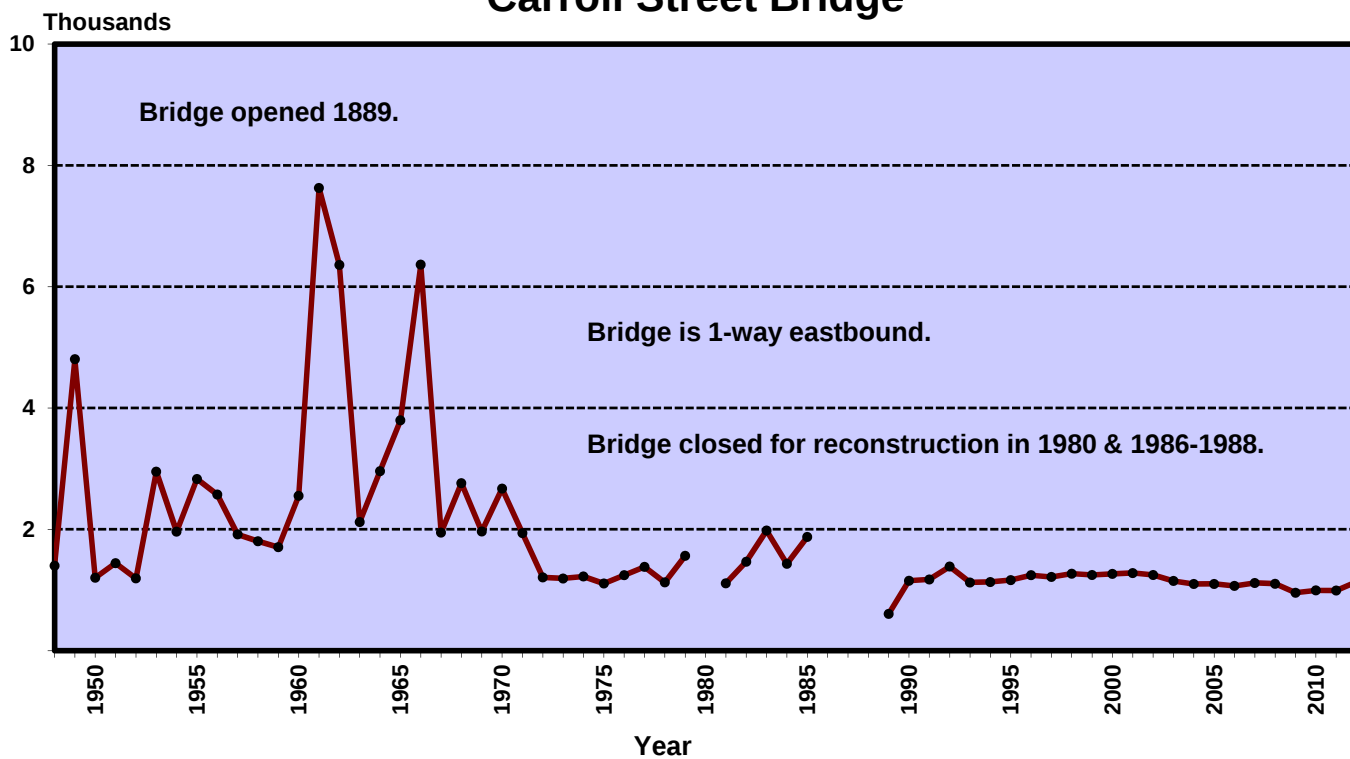
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Carroll Street Bridge ~ 2012



Average Daily Traffic Volumes Carroll Street Bridge



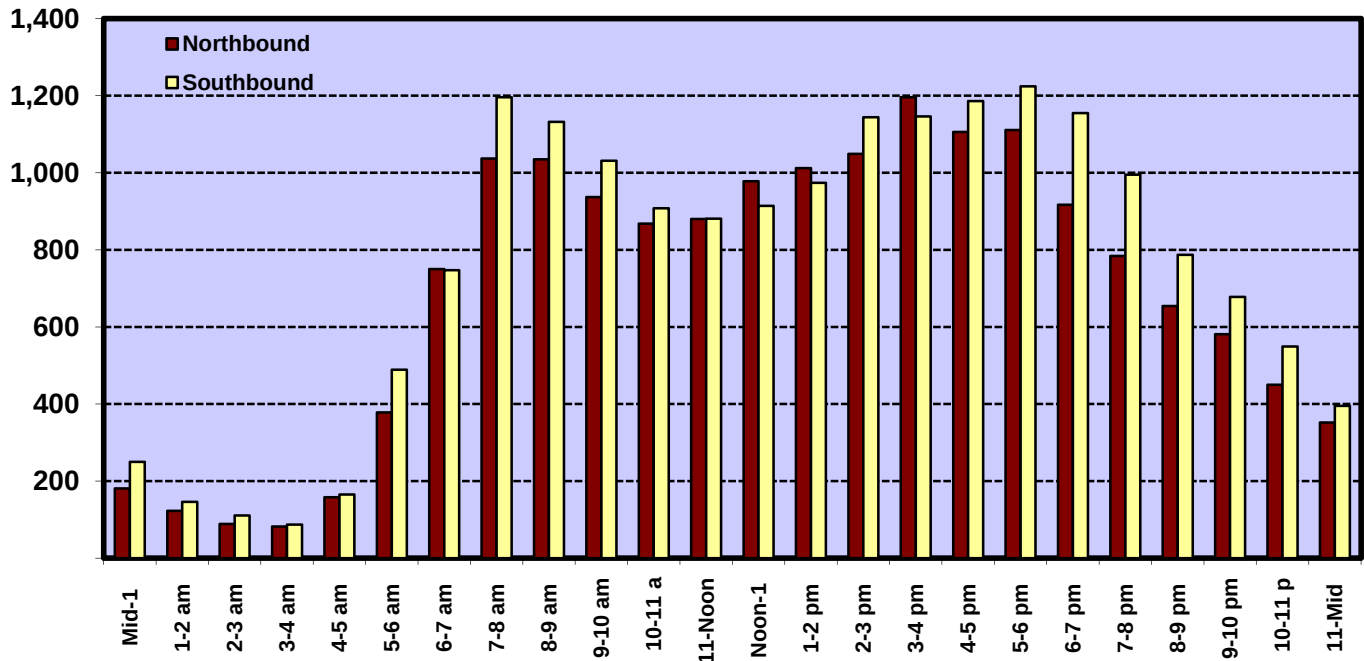
Hourly Vehicular Volumes Cropsey Avenue Bridge - 2012

	Northbound					Totals	Southbound					Totals
	Autos	Buses	Commuter		Commercial Vans		Autos	Buses	Commuter		Commercial Vans	
			Vans	Trucks					Vans	Trucks		
12-1am	---	---	---	---	---	181	---	---	---	---	---	250
1-2am	---	---	---	---	---	123	---	---	---	---	---	146
2-3am	---	---	---	---	---	89	---	---	---	---	---	111
3-4am	---	---	---	---	---	82	---	---	---	---	---	87
4-5am	---	---	---	---	---	158	---	---	---	---	---	165
5-6am	---	---	---	---	---	378	---	---	---	---	---	489
6-7am	---	---	---	---	---	750	---	---	---	---	---	747
7-8am	835	74	2	44	82	1,037	992	106	0	58	40	1,196
8-9am	863	57	3	53	59	1,035	961	78	2	53	38	1,132
9-10am	750	49	1	49	88	937	798	95	4	57	77	1,031
10-11am	760	43	0	27	38	868	804	27	0	36	41	908
11-12am	728	25	0	67	60	880	702	26	1	73	79	881
12-1pm	859	46	0	32	41	978	837	29	0	26	22	914
1-2pm	869	65	0	33	45	1,012	879	34	1	22	38	974
2-3pm	828	80	3	63	75	1,049	947	54	0	64	79	1,144
3-4pm	1,024	96	1	33	42	1,196	985	78	2	26	55	1,146
4-5pm	938	42	0	56	70	1,106	1,007	57	0	27	95	1,186
5-6pm	965	12	0	61	73	1,111	1,037	22	10	48	107	1,224
6-7pm	818	21	0	34	44	917	1,053	8	0	17	77	1,155
7-8pm	---	---	---	---	---	784	---	---	---	---	---	995
8-9pm	---	---	---	---	---	654	---	---	---	---	---	787
9-10pm	---	---	---	---	---	581	---	---	---	---	---	678
10-11pm	---	---	---	---	---	450	---	---	---	---	---	549
11-12pm	---	---	---	---	---	352	---	---	---	---	---	395
Totals	---	---	---	---	---	16,708	---	---	---	---	---	18,290
7-10am	2,448	180	6	146	229	3,009	2,751	279	6	168	155	3,359
10am-1pm	2,347	114	0	126	139	2,726	2,343	82	1	135	142	2,703
1-4pm	2,721	241	4	129	162	3,257	2,811	166	3	112	172	3,264
4-7pm	2,721	75	0	151	187	3,134	3,097	87	10	92	279	3,565
7am-7pm	10,237	610	10	552	717	12,126	11,002	614	20	507	748	12,891
6-10am						3,759						4,106
3-7pm	3,745	171	1	184	229	4,330	4,082	165	12	118	334	4,711
6am-7pm						12,876						13,638
2-Way Totals												

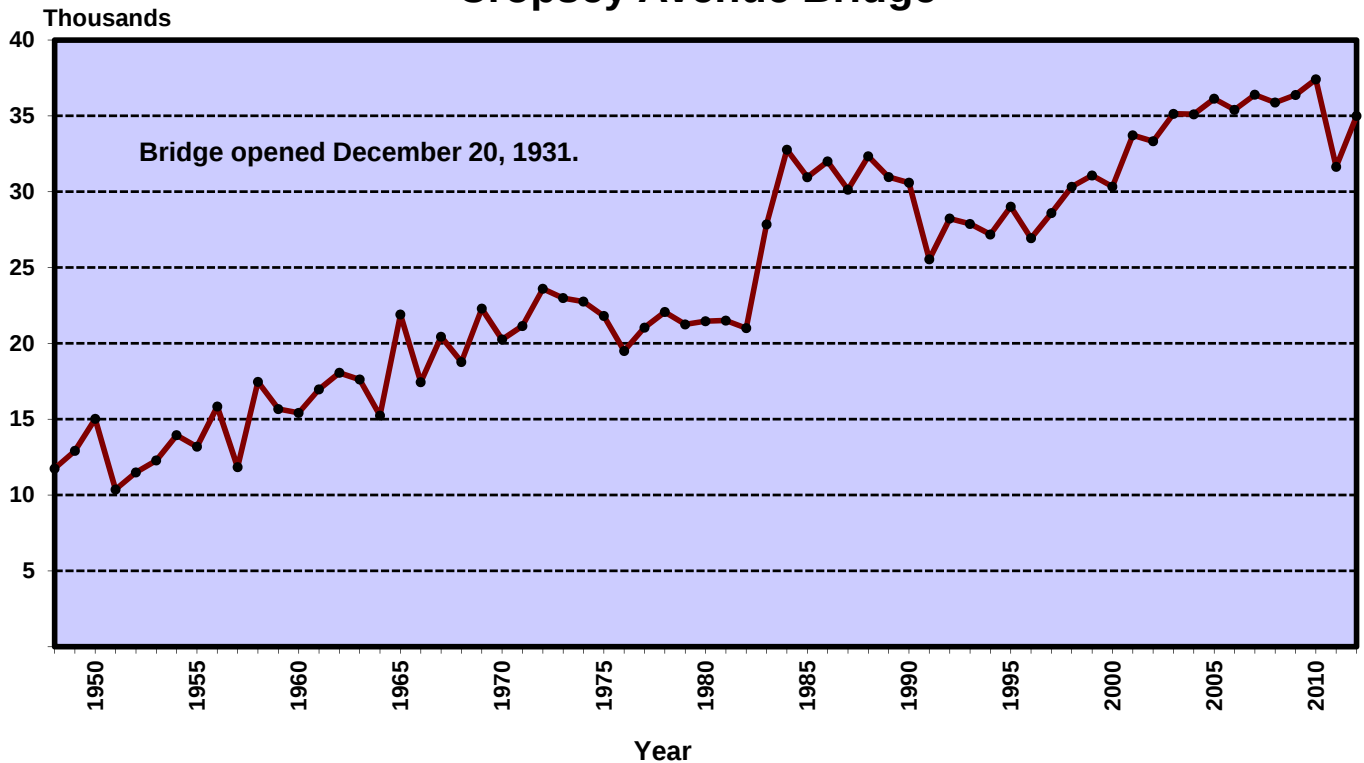
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Cropsey Avenue Bridge ~ 2012



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



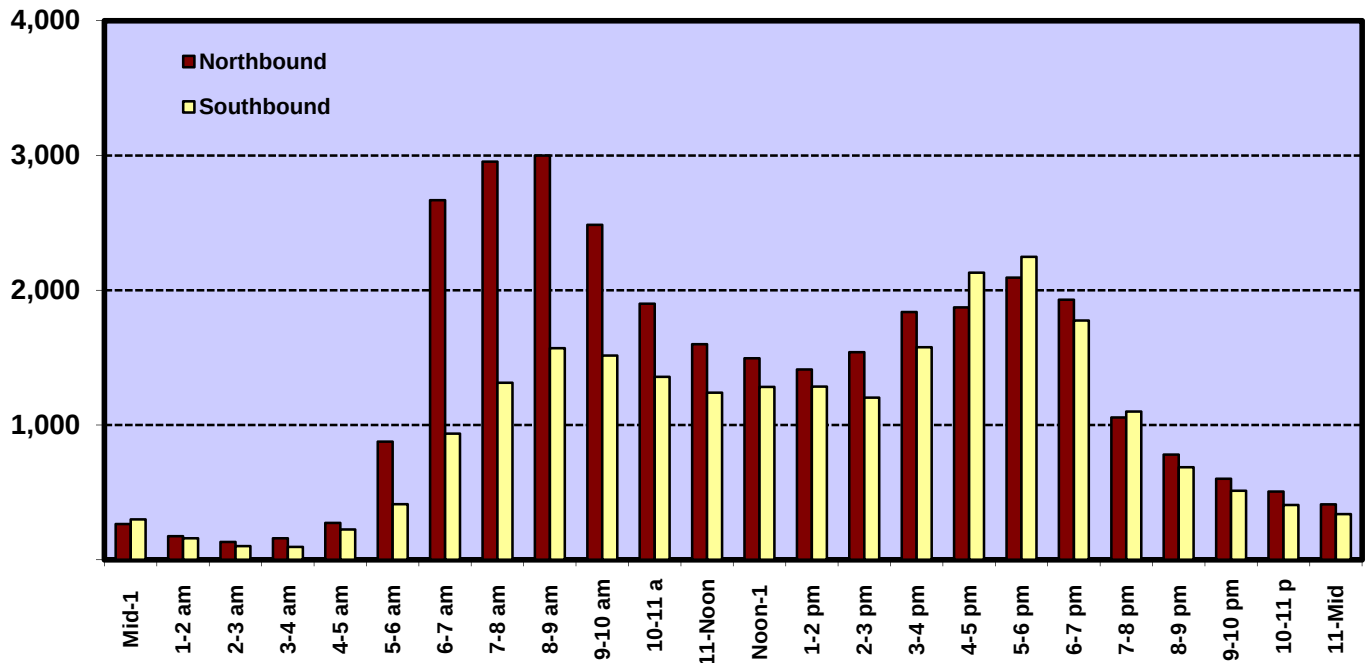
Hourly Vehicular Volumes Hamilton Avenue Bridge - 2012

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	265	---	---	---	---	---	300
1-2am	---	---	---	---	---	175	---	---	---	---	---	159
2-3am	---	---	---	---	---	132	---	---	---	---	---	102
3-4am	---	---	---	---	---	159	---	---	---	---	---	95
4-5am	---	---	---	---	---	273	---	---	---	---	---	225
5-6am	---	---	---	---	---	877	---	---	---	---	---	413
6-7am	---	---	---	---	---	2,668	---	---	---	---	---	936
7-8am	2,394	34	44	221	261	2,954	467	48	196	401	202	1,314
8-9am	2,363	14	44	263	315	2,999	882	51	85	352	200	1,570
9-10am	1,915	28	33	255	255	2,486	619	58	107	520	211	1,515
10-11am	1,627	13	15	126	119	1,900	952	35	56	202	112	1,357
11-12am	1,228	14	17	173	168	1,600	536	21	125	323	235	1,240
12-1pm	1,348	8	8	70	61	1,495	977	7	63	140	96	1,283
1-2pm	1,231	19	8	93	61	1,412	929	14	53	176	113	1,285
2-3pm	1,142	40	16	177	165	1,540	509	14	117	301	262	1,203
3-4pm	1,558	59	9	113	99	1,838	1,267	16	74	119	101	1,577
4-5pm	1,492	50	13	154	164	1,873	1,545	14	158	204	209	2,130
5-6pm	1,730	17	16	182	149	2,094	1,797	10	114	122	205	2,248
6-7pm	1,659	8	16	90	157	1,930	1,470	9	104	79	113	1,775
7-8pm	---	---	---	---	---	1,056	---	---	---	---	---	1,100
8-9pm	---	---	---	---	---	781	---	---	---	---	---	687
9-10pm	---	---	---	---	---	601	---	---	---	---	---	512
10-11pm	---	---	---	---	---	506	---	---	---	---	---	407
11-12pm	---	---	---	---	---	411	---	---	---	---	---	339
Totals	---	---	---	---	---	32,025	---	---	---	---	---	23,772
7-10am	6,672	76	121	739	831	8,439	1,968	157	388	1,273	613	4,399
10am-1pm	4,203	35	40	369	348	4,995	2,465	63	244	665	443	3,880
1-4pm	3,931	118	33	383	325	4,790	2,705	44	244	596	476	4,065
4-7pm	4,881	75	45	426	470	5,897	4,812	33	376	405	527	6,153
7am-7pm	19,687	304	239	1,917	1,974	24,121	11,950	297	1,252	2,939	2,059	18,497
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	6,439	134	54	539	569	7,735	6,079	49	450	524	628	7,730
6am-7pm	---	---	---	---	---	26,789	---	---	---	---	---	19,433

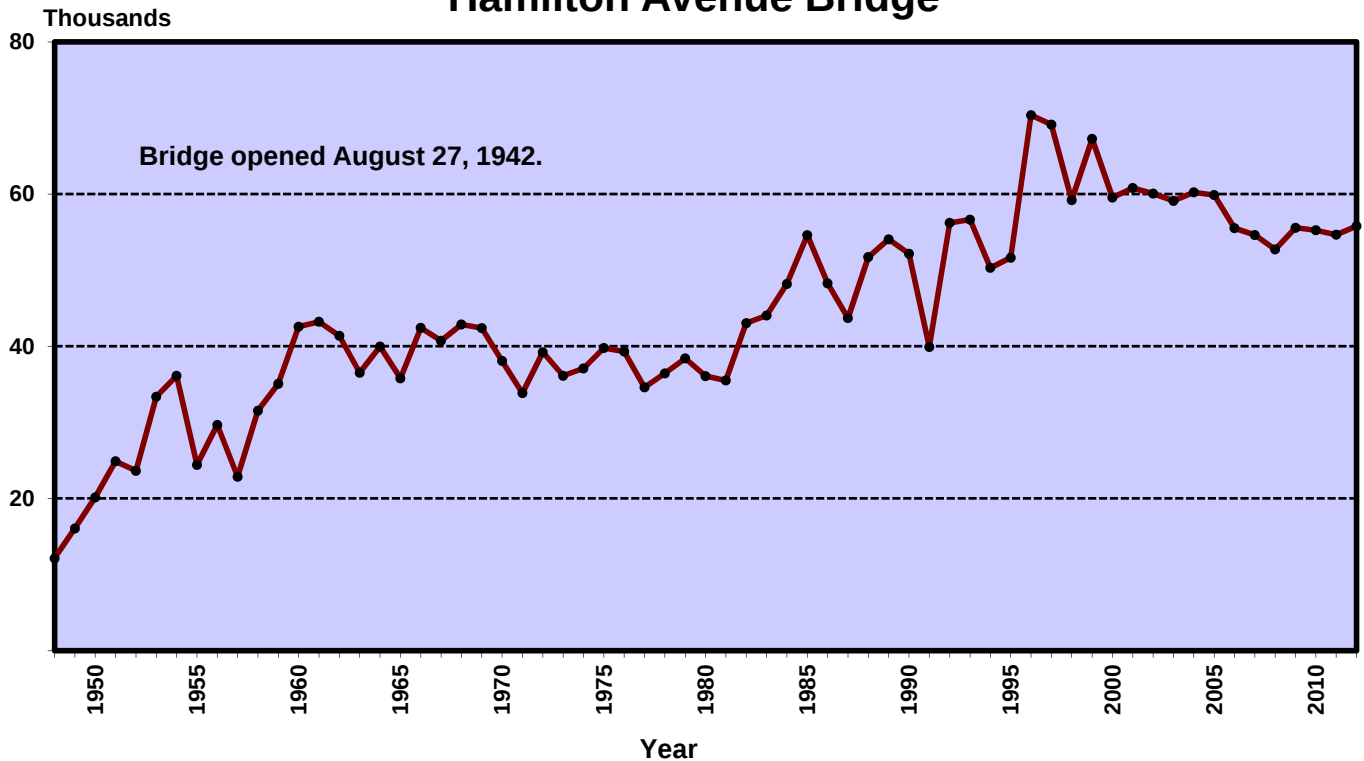
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hamilton Avenue Bridge ~ 2012



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



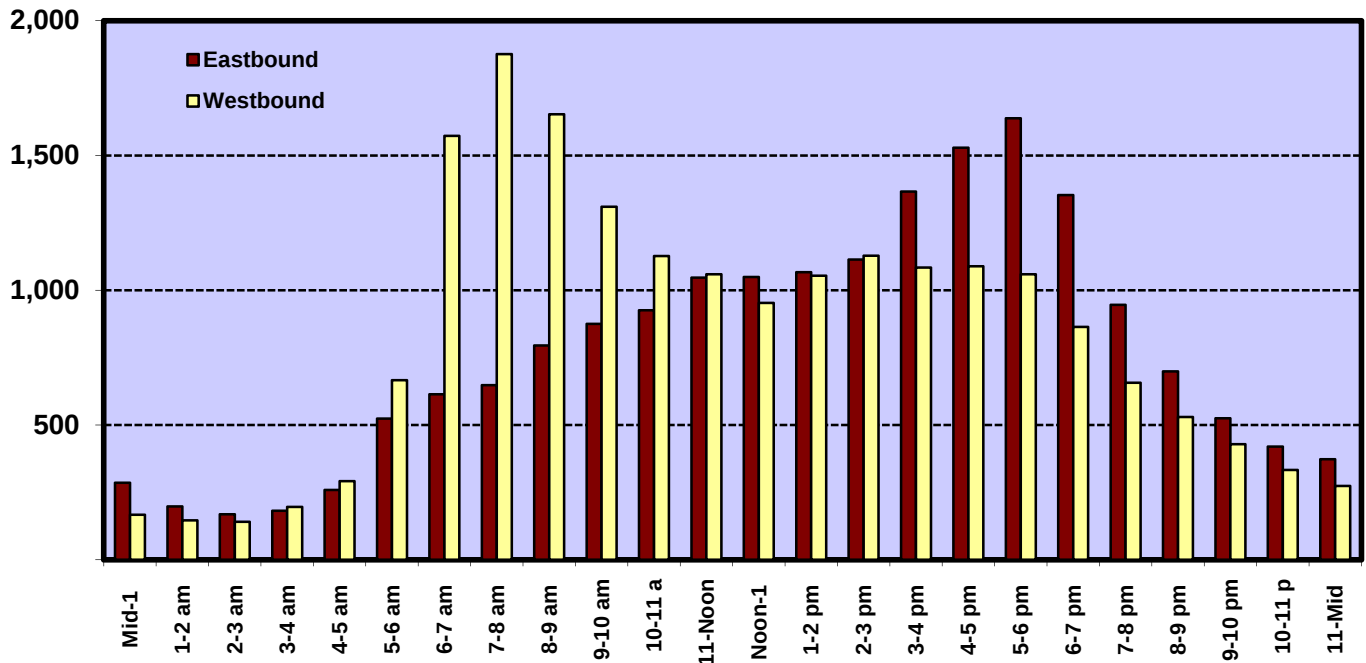
Hourly Vehicular Volumes Metropolitan Avenue Bridge - 2012

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	286	---	---	---	---	---	167
1-2am	---	---	---	---	---	198	---	---	---	---	---	146
2-3am	---	---	---	---	---	169	---	---	---	---	---	141
3-4am	---	---	---	---	---	182	---	---	---	---	---	196
4-5am	---	---	---	---	---	259	---	---	---	---	---	292
5-6am	---	---	---	---	---	524	---	---	---	---	---	666
6-7am	---	---	---	---	---	614	---	---	---	---	---	1,573
7-8am	486	12	12	104	34	648	1,388	40	77	265	106	1,876 **
8-9am	512	15	21	165	82	795	1,162	18	53	296	124	1,653
9-10am	452	38	23	258	104	875	794	37	42	322	115	1,310
10-11am	759	8	12	106	41	926	935	20	28	107	37	1,127
11-12am	617	17	29	294	90	1,047	664	18	48	245	84	1,059
12-1pm	862	17	20	114	36	1,049	775	15	24	104	35	953
1-2pm	867	30	9	108	53	1,067	878	23	22	91	40	1,054
2-3pm	771	14	31	202	96	1,114	776	19	33	207	93	1,128
3-4pm	1,147	15	29	120	55	1,366	891	21	17	104	51	1,084
4-5pm	1,130	37	62	173	127	1,529	832	14	28	145	70	1,089
5-6pm	1,243	15	78	169	133	1,638 **	827	10	55	91	76	1,059
6-7pm	1,075	12	58	119	89	1,353	723	12	40	47	42	864
7-8pm	---	---	---	---	---	946	---	---	---	---	---	657
8-9pm	---	---	---	---	---	699	---	---	---	---	---	530
9-10pm	---	---	---	---	---	525	---	---	---	---	---	429
10-11pm	---	---	---	---	---	420	---	---	---	---	---	333
11-12pm	---	---	---	---	---	373	---	---	---	---	---	274
Totals	---	---	---	---	---	18,602	---	---	---	---	---	19,660
7-10am	1,450	65	56	527	220	2,318	3,344	95	172	883	345	4,839
10am-1pm	2,238	42	61	514	167	3,022	2,374	53	100	456	156	3,139
1-4pm	2,785	59	69	430	204	3,547	2,545	63	72	402	184	3,266
4-7pm	3,448	64	198	461	349	4,520	2,382	36	123	283	188	3,012
7am-7pm	9,921	230	384	1,932	940	13,407	10,645	247	467	2,024	873	14,256
6-10am						2,932						6,412
3-7pm	4,595	79	227	581	404	5,886	3,273	57	140	387	239	4,096
6am-7pm						14,021						15,829
												29,850

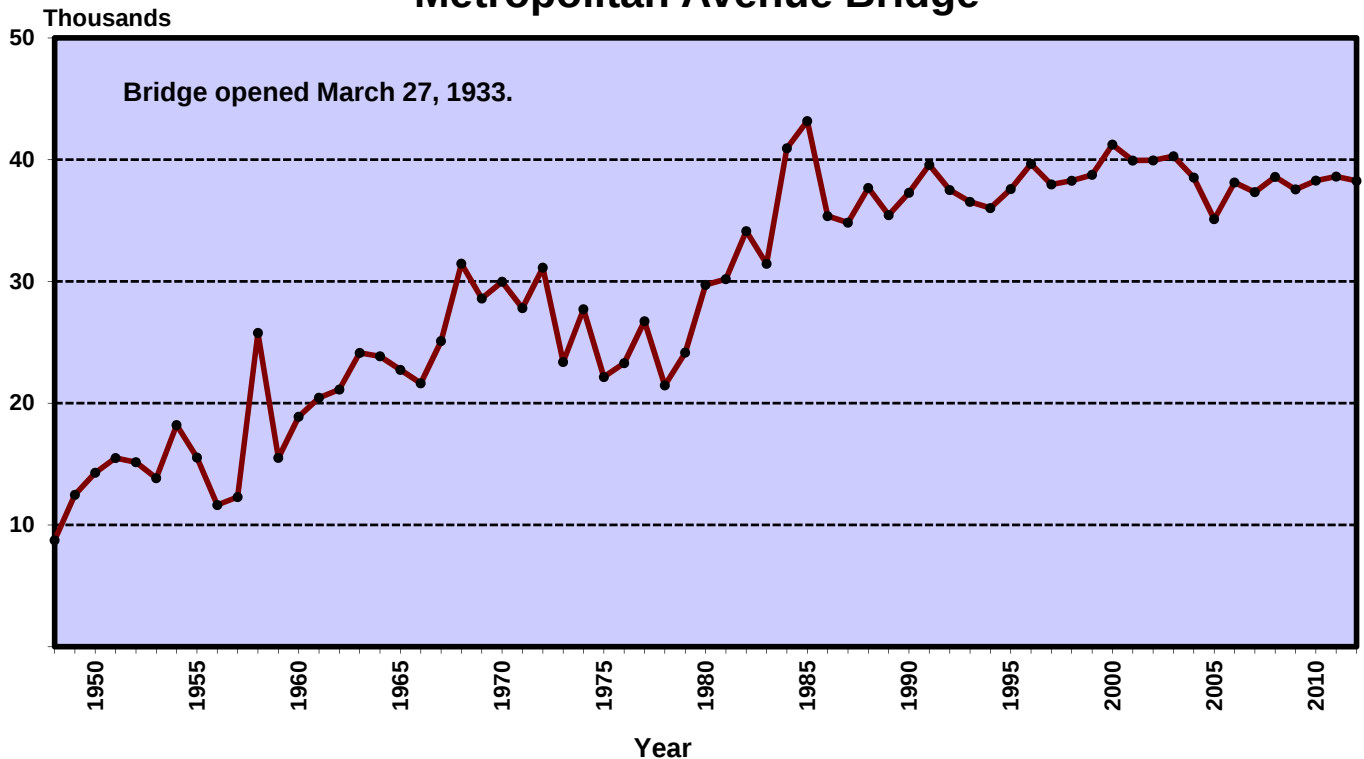
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Metropolitan Avenue Bridge ~ 2012



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



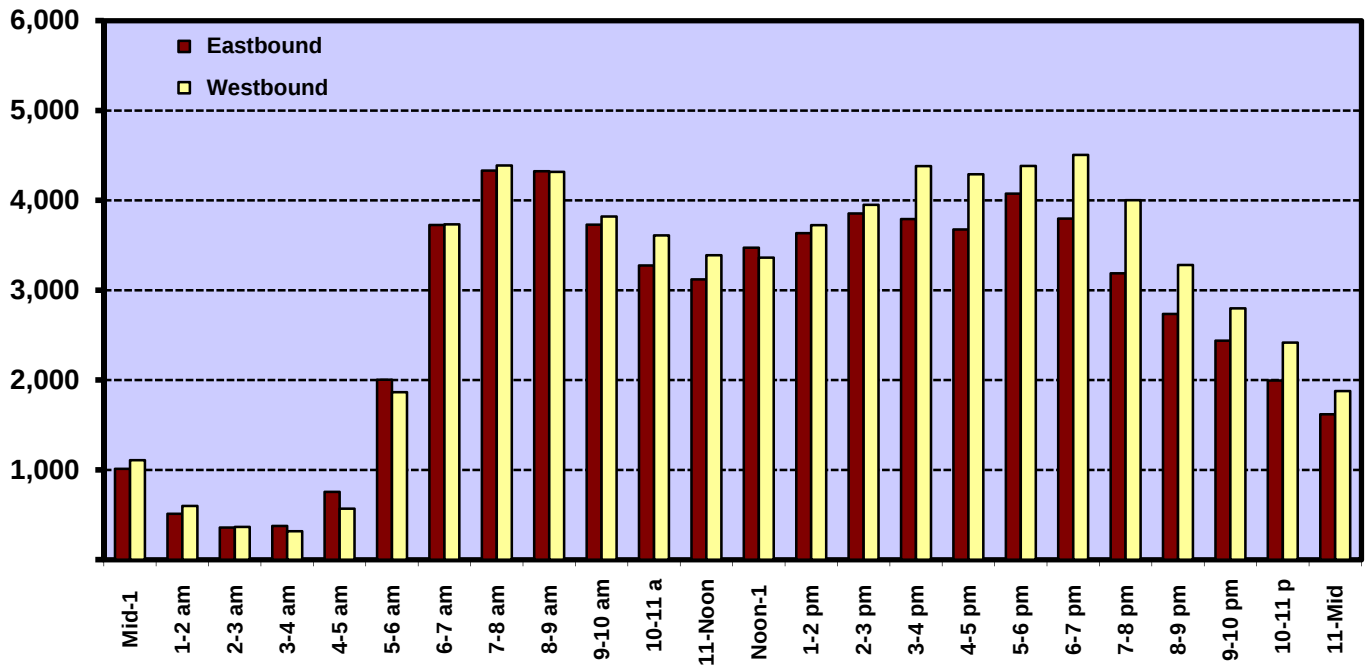
Hourly Vehicular Volumes Mill Basin Bridge - 2012

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	1,012	---	---	---	---	---	1,109
1-2am	---	---	---	---	---	512	---	---	---	---	---	600
2-3am	---	---	---	---	---	359	---	---	---	---	---	365
3-4am	---	---	---	---	---	377	---	---	---	---	---	317
4-5am	---	---	---	---	---	756	---	---	---	---	---	568
5-6am	---	---	---	---	---	2,004	---	---	---	---	---	1,866
6-7am	---	---	---	---	---	3,727	---	---	---	---	---	3,734
7-8am	4,029	57	21	5	219	4,331 **	4,087	19	0	128	155	4,389
8-9am	4,092	16	14	15	187	4,324	3,950	51	0	115	202	4,318
9-10am	3,436	9	17	23	245	3,730	3,468	68	1	105	179	3,821
10-11am	3,156	8	11	13	87	3,275	3,492	18	0	37	63	3,610
11-12am	2,759	4	61	28	268	3,120	3,061	0	5	162	161	3,389
12-1pm	3,318	5	21	15	115	3,474	3,168	0	0	74	121	3,363
1-2pm	3,403	93	14	12	113	3,635	3,591	11	0	40	83	3,725
2-3pm	3,495	36	24	14	286	3,855	3,660	7	0	112	171	3,950
3-4pm	3,623	21	14	5	130	3,793	4,114	74	0	80	113	4,381
4-5pm	3,421	11	33	6	205	3,676	3,940	39	2	123	186	4,290
5-6pm	3,852	6	17	13	187	4,075	4,058	30	3	131	162	4,384
6-7pm	3,591	4	14	5	184	3,798	4,228	3	1	112	163	4,507 **
7-8pm	---	---	---	---	---	3,188	---	---	---	---	---	4,003
8-9pm	---	---	---	---	---	2,737	---	---	---	---	---	3,282
9-10pm	---	---	---	---	---	2,439	---	---	---	---	---	2,799
10-11pm	---	---	---	---	---	1,995	---	---	---	---	---	2,417
11-12pm	---	---	---	---	---	1,619	---	---	---	---	---	1,877
Totals	---	---	---	---	---	65,811	---	---	---	---	---	71,064
7-10am	11,557	82	52	43	651	12,385	11,505	138	1	348	536	12,528
10am-1pm	9,233	17	93	56	470	9,869	9,721	18	5	273	345	10,362
1-4pm	10,521	150	52	31	529	11,283	11,365	92	0	232	367	12,056
4-7pm	10,864	21	64	24	576	11,549	12,226	72	6	366	511	13,181
7am-7pm	42,175	270	261	154	2,226	45,086	44,817	320	12	1,219	1,759	48,127
6-10am						16,112						16,262
3-7pm	14,487	42	78	29	706	15,342	16,340	146	6	446	624	17,562
6am-7pm						48,813						51,861

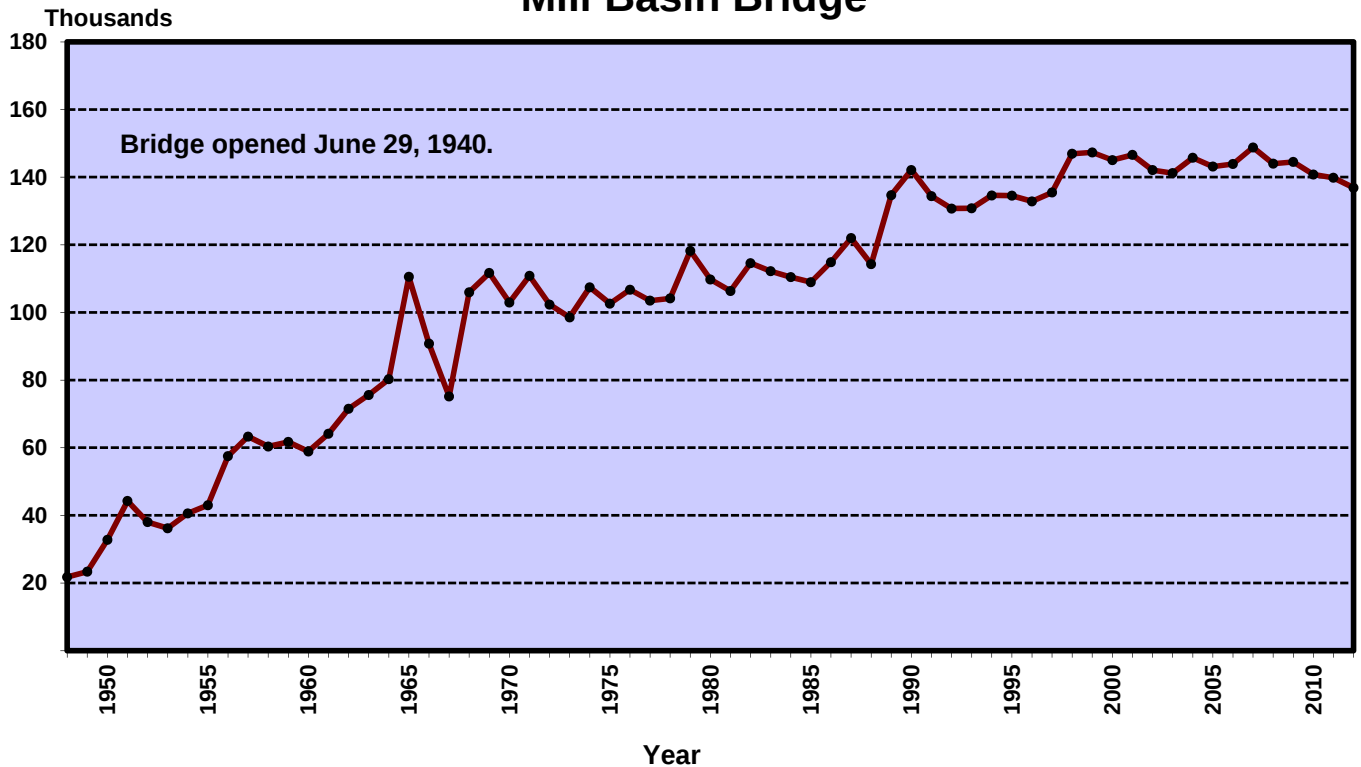
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Mill Basin Bridge ~ 2012



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



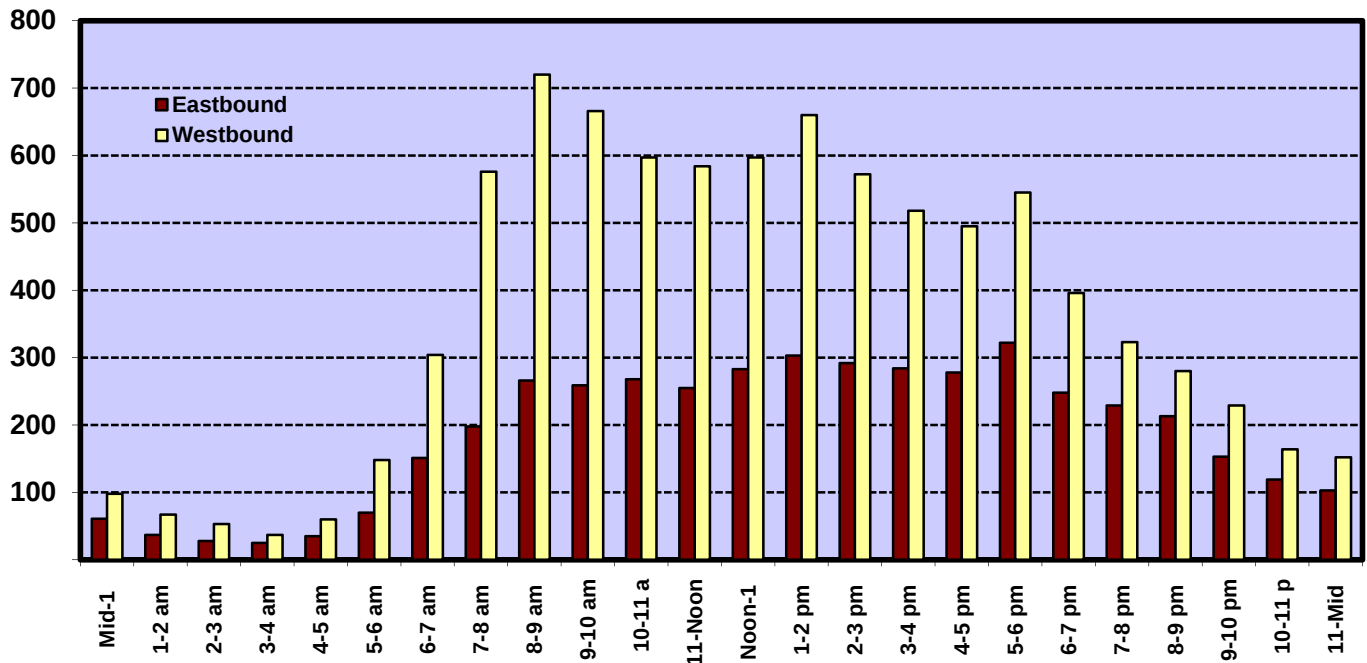
Hourly Vehicular Volumes Ninth Street Bridge - 2012

	Eastbound					Totals	Westbound					2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	61	---	---	---	---	---	98
1-2am	---	---	---	---	---	37	---	---	---	---	---	67
2-3am	---	---	---	---	---	28	---	---	---	---	---	53
3-4am	---	---	---	---	---	25	---	---	---	---	---	37
4-5am	---	---	---	---	---	35	---	---	---	---	---	60
5-6am	---	---	---	---	---	70	---	---	---	---	---	148
6-7am	---	---	---	---	---	151	---	---	---	---	---	304
7-8am	145	20	5	17	11	198	466	12	0	53	45	576
8-9am	164	23	10	52	17	266	602	7	0	62	49	720 **
9-10am	164	20	4	49	22	259	559	14	0	57	36	666
10-11am	208	20	4	23	13	268	539	13	0	24	21	597
11-12am	170	15	11	48	11	255	366	40	0	122	56	584
12-1pm	217	14	12	28	12	283	392	42	0	110	53	597
1-2pm	146	18	19	101	19	303	498	12	66	42	42	660
2-3pm	180	19	13	58	22	292	443	25	21	48	35	572
3-4pm	229	14	3	22	16	284	434	25	0	37	22	518
4-5pm	209	12	5	31	21	278	381	17	0	60	37	495
5-6pm	249	21	1	37	14	322 **	461	31	0	31	22	545
6-7pm	170	16	1	44	17	248	358	12	0	16	10	396
7-8pm	---	---	---	---	---	229	---	---	---	---	---	323
8-9pm	---	---	---	---	---	213	---	---	---	---	---	280
9-10pm	---	---	---	---	---	153	---	---	---	---	---	229
10-11pm	---	---	---	---	---	119	---	---	---	---	---	164
11-12pm	---	---	---	---	---	103	---	---	---	---	---	152
Totals	---	---	---	---	---	4,480	---	---	---	---	---	8,841
7-10am	473	63	19	118	50	723	1,627	33	0	172	130	1,962
10am-1pm	595	49	27	99	36	806	1,297	95	0	256	130	1,778
1-4pm	555	51	35	181	57	879	1,375	62	87	127	99	1,750
4-7pm	628	49	7	112	52	848	1,200	60	0	107	69	1,436
7am-7pm	2,251	212	88	510	195	3,256	5,499	250	87	662	428	6,926
6-10am						874						2,266
3-7pm	857	63	10	134	68	1,132	1,634	85	0	144	91	1,954
6am-7pm						3,407						7,230

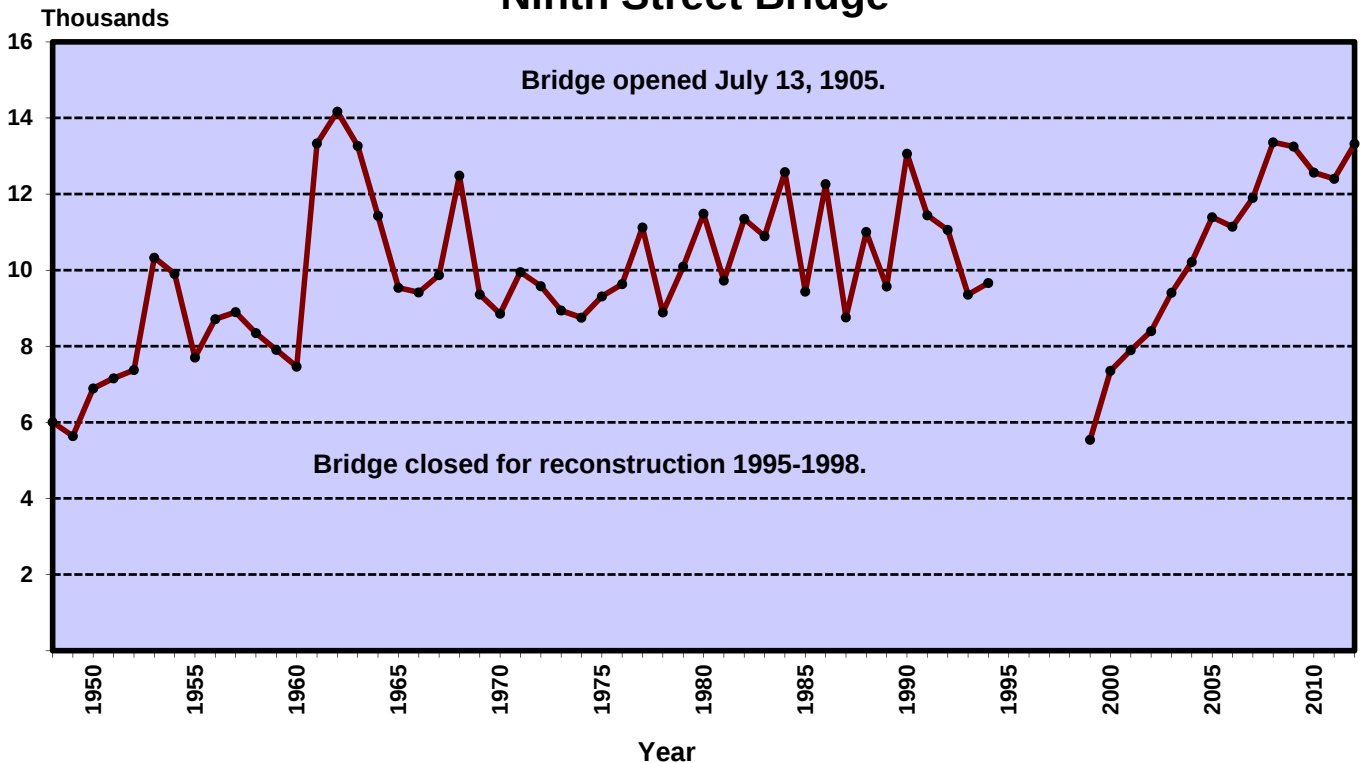
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Ninth Street Bridge ~ 2012



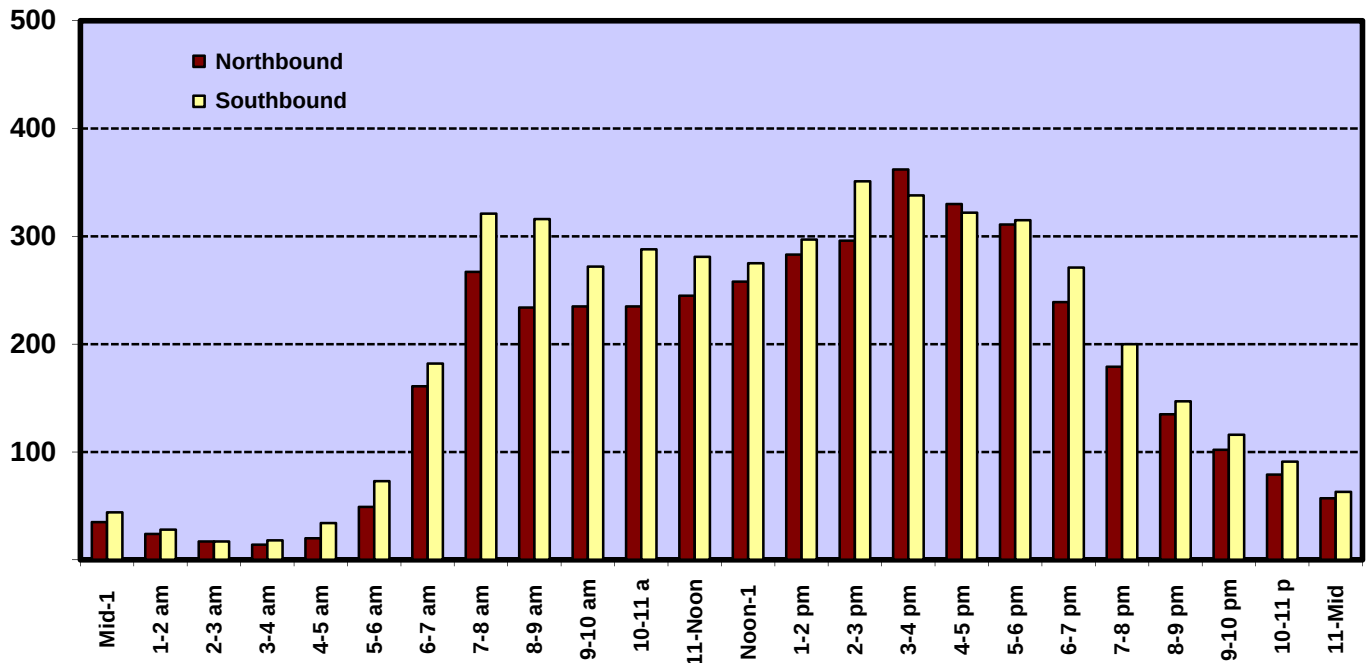
Average Daily Traffic Volumes ~ Total of Both Directions Ninth Street Bridge



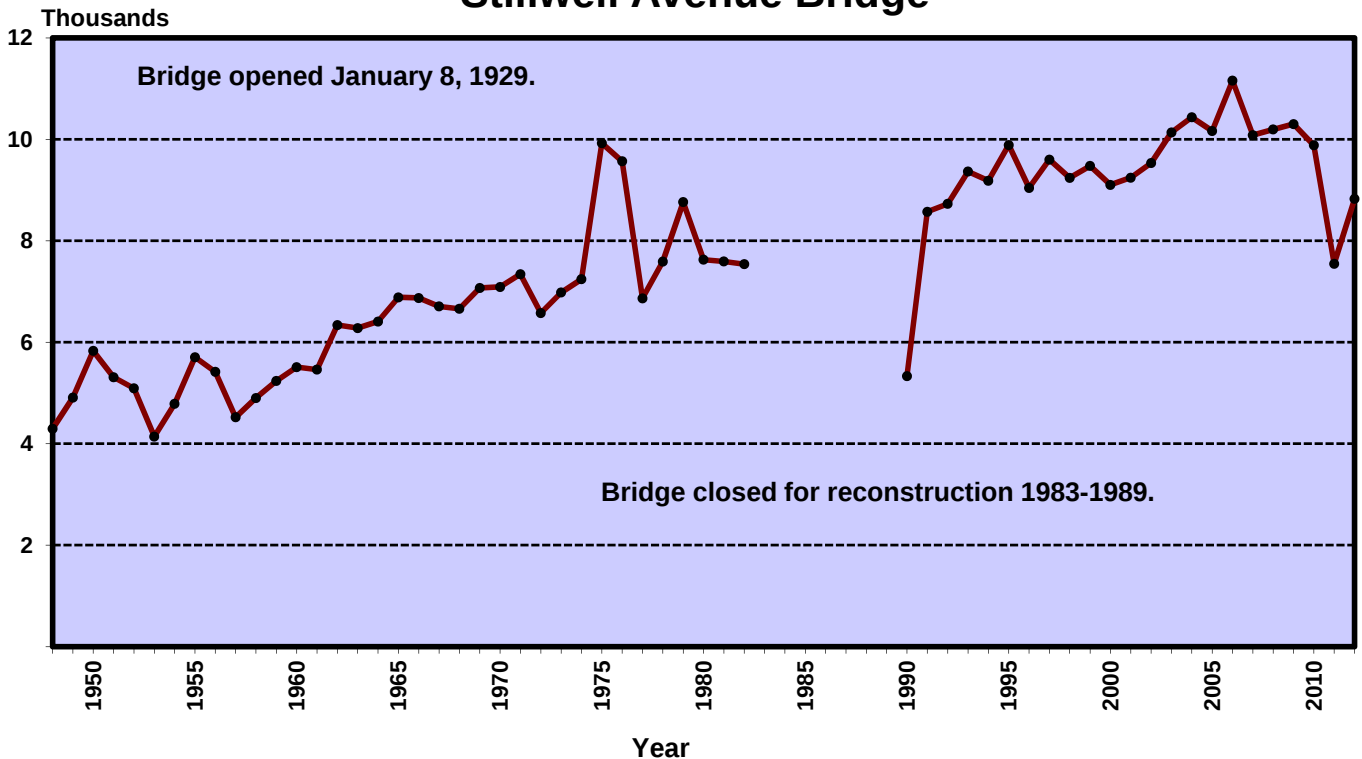
Hourly Vehicular Volumes Stillwell Avenue Bridge - 2012

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals
12-1am	---	---	---	---	---	35	---	---	---	---	---	44
1-2am	---	---	---	---	---	24	---	---	---	---	---	28
2-3am	---	---	---	---	---	17	---	---	---	---	---	17
3-4am	---	---	---	---	---	14	---	---	---	---	---	18
4-5am	---	---	---	---	---	20	---	---	---	---	---	34
5-6am	---	---	---	---	---	49	---	---	---	---	---	73
6-7am	---	---	---	---	---	161	---	---	---	---	---	182
7-8am	212	20	0	35	0	267	249	54	0	18	0	321
8-9am	177	24	0	33	0	234	262	34	0	20	0	316
9-10am	176	27	0	32	0	235	177	17	0	78	0	272
10-11am	168	26	0	41	0	235	208	22	0	58	0	288
11-12am	184	10	0	51	0	245	225	14	0	42	0	281
12-1pm	180	12	0	66	0	258	221	16	0	38	0	275
1-2pm	191	21	0	71	0	283	217	18	0	62	0	297
2-3pm	212	25	0	59	0	296	229	27	0	95	0	351
3-4pm	280	38	0	44	0	362	275	18	0	45	0	338
4-5pm	255	34	0	41	0	330	261	19	0	42	0	322
5-6pm	271	21	0	19	0	311	268	17	0	30	0	315
6-7pm	207	22	0	10	0	239	238	22	0	11	0	271
7-8pm	---	---	---	---	---	179	---	---	---	---	---	200
8-9pm	---	---	---	---	---	135	---	---	---	---	---	147
9-10pm	---	---	---	---	---	102	---	---	---	---	---	116
10-11pm	---	---	---	---	---	79	---	---	---	---	---	91
11-12pm	---	---	---	---	---	57	---	---	---	---	---	63
Totals	---	---	---	---	---	4,167	---	---	---	---	---	4,660
7-10am	565	71	0	100	0	736	688	105	0	116	0	909
10am-1pm	532	48	0	158	0	738	654	52	0	138	0	844
1-4pm	683	84	0	174	0	941	721	63	0	202	0	986
4-7pm	733	77	0	70	0	880	767	58	0	83	0	908
7am-7pm	2,513	280	0	502	0	3,295	2,830	278	0	539	0	3,647
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	1,013	115	0	114	0	897	1,042	76	0	128	0	1,091
6am-7pm	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	---	---	---	4,167	---	---	---	---	---	4,660
7-10am	565	71	0	100	0	736	688	105	0	116	0	909
10am-1pm	532	48	0	158	0	738	654	52	0	138	0	844
1-4pm	683	84	0	174	0	941	721	63	0	202	0	986
4-7pm	733	77	0	70	0	880	767	58	0	83	0	908
7am-7pm	2,513	280	0	502	0	3,295	2,830	278	0	539	0	3,647
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	1,013	115	0	114	0	897	1,042	76	0	128	0	1,091
6am-7pm	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	---	---	---	4,167	---	---	---	---	---	4,660
7-10am	565	71	0	100	0	736	688	105	0	116	0	909
10am-1pm	532	48	0	158	0	738	654	52	0	138	0	844
1-4pm	683	84	0	174	0	941	721	63	0	202	0	986
4-7pm	733	77	0	70	0	880	767	58	0	83	0	908
7am-7pm	2,513	280	0	502	0	3,295	2,830	278	0	539	0	3,647
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	1,013	115	0	114	0	897	1,042	76	0	128	0	1,091
6am-7pm	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	---	---	---	4,167	---	---	---	---	---	4,660
7-10am	565	71	0	100	0	736	688	105	0	116	0	909
10am-1pm	532	48	0	158	0	738	654	52	0	138	0	844
1-4pm	683	84	0	174	0	941	721	63	0	202	0	986
4-7pm	733	77	0	70	0	880	767	58	0	83	0	908
7am-7pm	2,513	280	0	502	0	3,295	2,830	278	0	539	0	3,647
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	1,013	115	0	114	0	897	1,042	76	0	128	0	1,091
6am-7pm	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	---	---	---	4,167	---	---	---	---	---	4,660
7-10am	565	71	0	100	0	736	688	105	0	116	0	909
10am-1pm	532	48	0	158	0	738	654	52	0	138	0	844
1-4pm	683	84	0	174	0	941	721	63	0	202	0	986
4-7pm	733	77	0	70	0	880	767	58	0	83	0	908
7am-7pm	2,513	280	0	502	0	3,295	2,830	278	0	539	0	3,647
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	1,013	115	0	114	0	897	1,042	76	0	128	0	1,091
6am-7pm	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	---	---	---	4,167	---	---	---	---	---	4,660
7-10am	565	71	0	100	0	736	688	105	0	116	0	909
10am-1pm	532	48	0	158	0	738	654	52	0	138	0	844
1-4pm	683	84	0	174	0	941	721	63	0	202	0	986
4-7pm	733	77	0	70	0	880	767	58	0	83	0	908
7am-7pm	2,513	280	0	502	0	3,295	2,830	278	0	539	0	3,647
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	1,013	115	0	114	0	897	1,042	76	0	128	0	1,091
6am-7pm	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	---	---	---	4,167	---	---	---	---	---	4,660
7-10am	565	71	0	100	0	736	688	105	0	116	0	909
10am-1pm	532	48	0	158	0	738	654	52	0	138	0	844
1-4pm	683	84	0	174	0	941	721	63	0	202	0	986
4-7pm	733	77	0	70	0	880	767	58	0	83	0	908
7am-7pm	2,513	280	0	502	0	3,295	2,830	278	0	539	0	3,647
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	1,013	115	0	114	0	897	1,042	76	0	128	0	1,091
6am-7pm	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	---	---	---	4,167	---	---	---	---	---	4,660
7-10am	565	71	0	100	0	736	688	105	0	116	0	909
10am-1pm	532	48	0	158	0	738	654	52	0	138	0	844
1-4pm	683	84	0	174	0	941	721	63	0	202	0	986
4-7pm	733	77	0	70	0	880	767	58	0	83	0	908
7am-7pm	2,513	280	0	502	0	3,295	2,830	278	0	539	0	3,647
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	1,013	115	0	114	0	897	1,042	76	0	128	0	1,091
6am-7pm	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	---	---	---	4,167	---	---	---	---	---	4,660
7-10am	565	71	0	100	0	736	688	105	0	116	0	909
10am-1pm	532	48	0	158	0	738	654	52	0	138	0	844
1-4pm	683	84	0	174	0	941	721	63	0	202	0	986
4-7pm	733	77	0	70	0	880	767	58	0	83	0	908
7am-7pm	2,513	280	0	502	0	3,295	2,830	278	0	539	0	3,647
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	1,013	115	0	114	0	897	1,042	76	0	128	0	1,091
6am-7pm	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	---	---	---	4,167	---	---	---	---	---	4,660
7-10am	565	71	0	100	0	736	688	105	0	116	0	909
10am-1pm	532	48	0	158	0	738	654	52	0	138	0	844
1-4pm	683	84	0	174	0	941	721	63	0	202	0	986
4-7pm	733	77	0	70	0	880	767	58	0	83	0	908
7am-7pm	2,513	280	0	502	0	3,295	2,830	278	0	539	0	3,647
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	1,013	115	0	114	0	897	1,042	76	0	128	0	1,091
6am-7pm	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	---	---	---	4,167	---	---	---	---	---	4,660
7-10am	565	71	0	100	0	736	688	105	0	116	0	909
10am-1pm	532	48	0	158	0	738	654	52	0	138	0	844
1-4pm	683	84	0	174	0	941	721	63	0	202	0	986
4-7pm	733	77	0	70	0	880	767	58	0	83	0	908
7am-7pm	2,513	280	0	502	0	3,295	2,830	278	0	539	0	3,647
6-10am	---	---	---	---	---	---	---	---	---	---	---	---
3-7pm	1,013	115	0	114	0	897	1,042	76	0	128	0	1,091
6am-7pm	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	---	---	---	4,167	---	---	---	---	---	4,660
7-10am	565	71	0	100	0	736	688	105	0	116	0	909
10am-1pm	532	48	0	158	0	738	654	52	0	138	0	844
1-4pm	683	84	0	174	0	941	721	63	0	202	0	986
4-7pm	733	77	0	70	0	880	767	58	0	83	0	908
7am-7pm	2,513	280	0	502	0	3,295						

Hourly Vehicular Volumes Stillwell Avenue Bridge ~ 2012



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



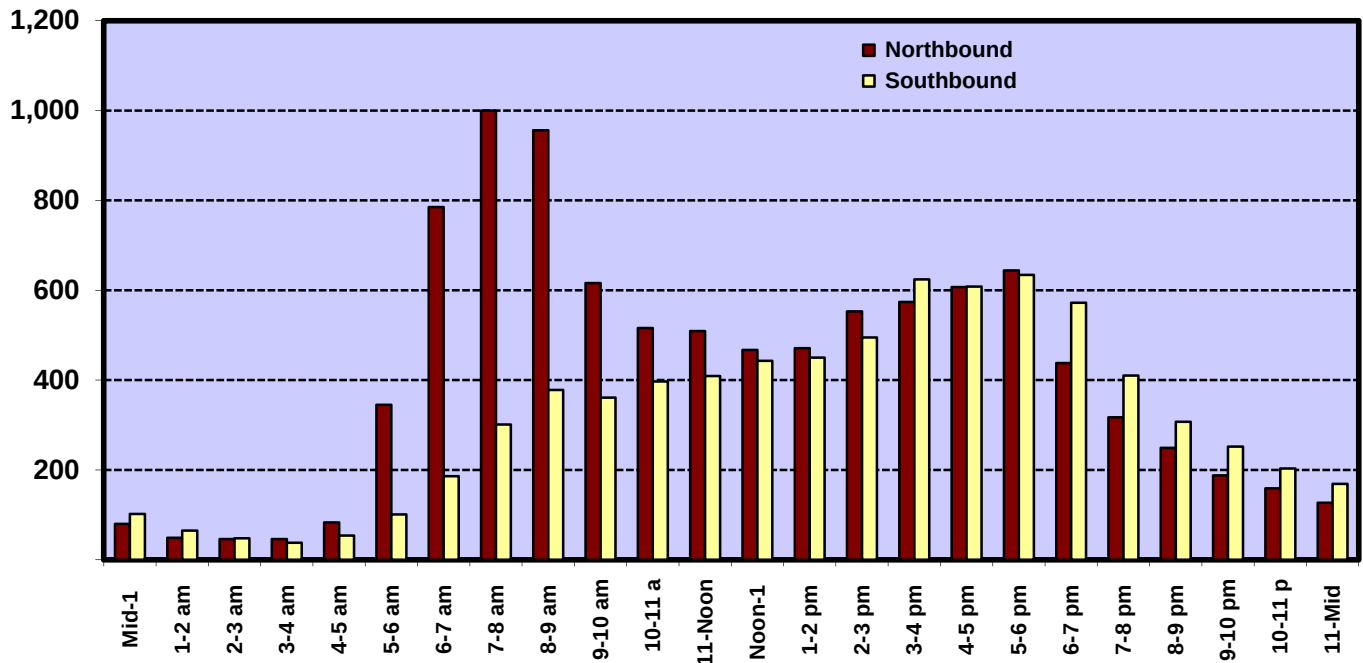
Hourly Vehicular Volumes Third Avenue Bridge - 2012

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	80	---	---	---	---	---	102
1-2am	---	---	---	---	---	49	---	---	---	---	---	65
2-3am	---	---	---	---	---	46	---	---	---	---	---	48
3-4am	---	---	---	---	---	46	---	---	---	---	---	38
4-5am	---	---	---	---	---	83	---	---	---	---	---	54
5-6am	---	---	---	---	---	345	---	---	---	---	---	101
6-7am	---	---	---	---	---	785	---	---	---	---	---	186
7-8am	791	15	0	112	82	1,000 **	223	6	0	41	31	301
8-9am	794	10	0	81	71	956	274	11	0	61	32	378
9-10am	389	8	0	130	89	616	252	7	2	60	40	361
10-11am	447	8	0	33	28	516	333	5	1	33	25	397
11-12am	372	7	1	80	49	509	307	4	0	58	40	409
12-1pm	419	3	0	26	19	467	392	3	1	25	22	443
1-2pm	373	7	0	53	38	471	390	4	0	30	26	450
2-3pm	358	16	0	104	75	553	362	6	0	80	47	495
3-4pm	475	13	0	46	40	574	567	6	0	22	29	624
4-5pm	472	9	0	61	65	607	493	6	0	50	59	608
5-6pm	562	7	0	30	45	644	549	3	0	36	46	634 **
6-7pm	378	9	0	30	21	438	487	4	0	35	46	572
7-8pm	---	---	---	---	---	317	---	---	---	---	---	410
8-9pm	---	---	---	---	---	249	---	---	---	---	---	307
9-10pm	---	---	---	---	---	188	---	---	---	---	---	252
10-11pm	---	---	---	---	---	159	---	---	---	---	---	203
11-12pm	---	---	---	---	---	127	---	---	---	---	---	169
Totals	---	---	---	---	---	9,825	---	---	---	---	---	7,607
7-10am	1,974	33	0	323	242	2,572	749	24	2	162	103	1,040
10am-1pm	1,238	18	1	139	96	1,492	1,032	12	2	116	87	1,249
1-4pm	1,206	36	0	203	153	1,598	1,319	16	0	132	102	1,569
4-7pm	1,412	25	0	121	131	1,689	1,529	13	0	121	151	1,814
7am-7pm	5,830	112	1	786	622	7,351	4,629	65	4	531	443	5,672
6-10am												
3-7pm	1,887	38	0	167	171	3,357			0	143	180	1,226
6am-7pm						2,263	2,096	19				2,438
						8,136						5,858

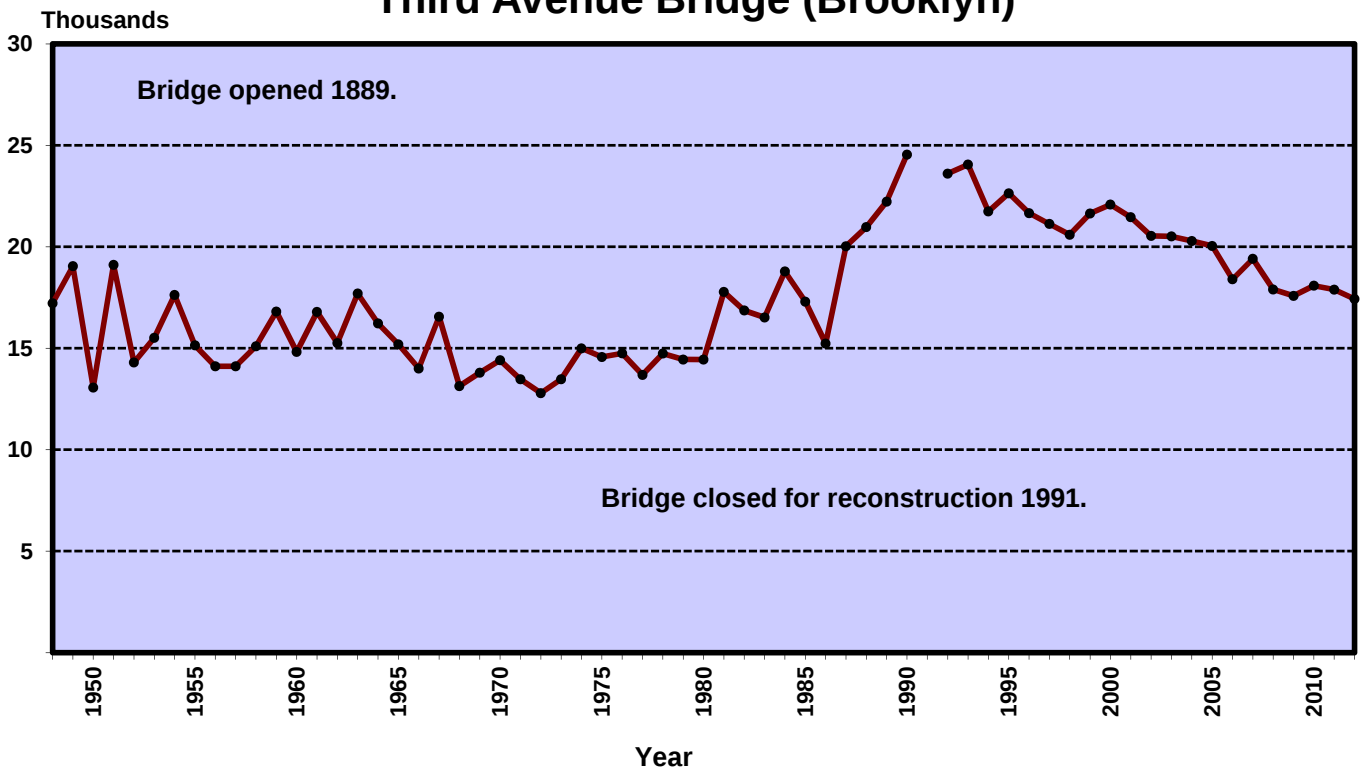
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Third Avenue Bridge (Brooklyn) ~ 2012



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



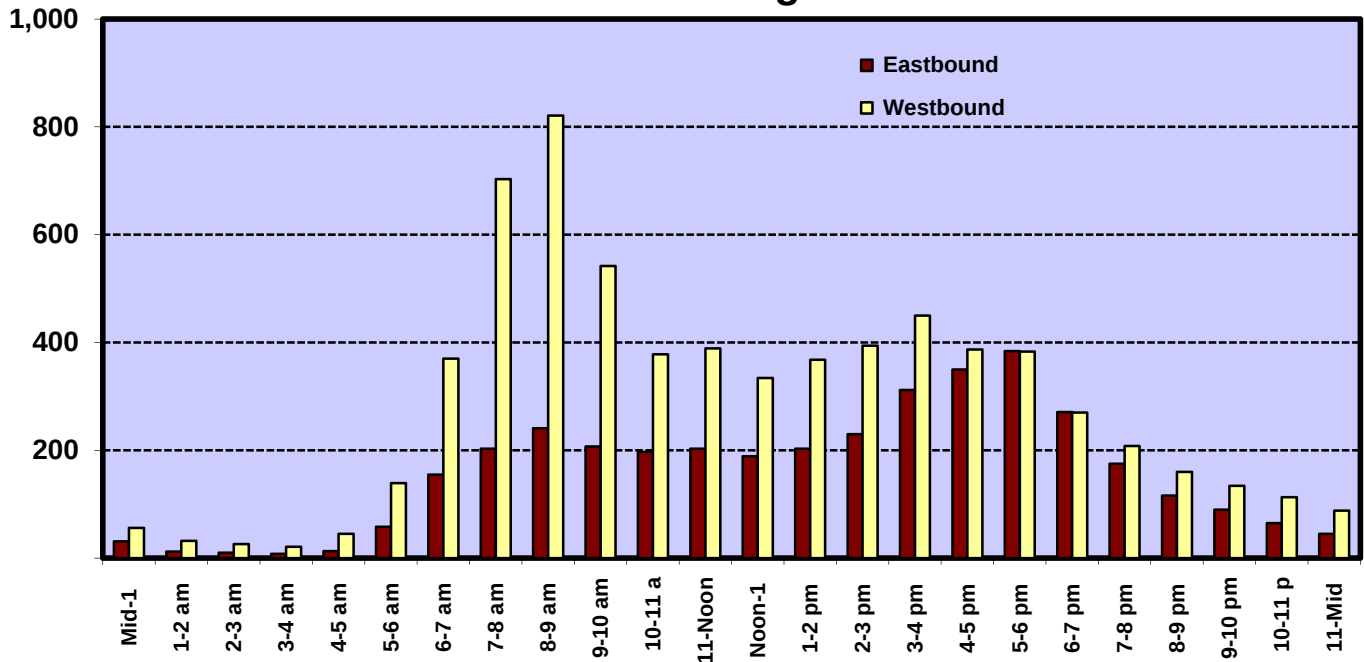
Hourly Vehicular Volumes Third Street Bridge - 2012

	Eastbound					Totals	Westbound					2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	31	---	---	---	---	---	56
1-2am	---	---	---	---	---	12	---	---	---	---	---	32
2-3am	---	---	---	---	---	10	---	---	---	---	---	26
3-4am	---	---	---	---	---	8	---	---	---	---	---	21
4-5am	---	---	---	---	---	13	---	---	---	---	---	45
5-6am	---	---	---	---	---	58	---	---	---	---	---	139
6-7am	---	---	---	---	---	155	---	---	---	---	---	370
7-8am	159	7	0	20	17	203	599	14	6	35	49	703
8-9am	208	0	0	19	14	241	712	9	4	38	58	821 **
9-10am	157	0	0	22	28	207	451	1	1	41	48	542
10-11am	181	0	0	8	8	197	326	0	0	27	25	378
11-12am	164	0	2	27	10	203	254	4	2	69	60	389
12-1pm	171	0	0	8	10	189	291	3	0	25	15	334
1-2pm	195	0	0	0	8	203	297	12	14	24	21	368
2-3pm	207	0	0	14	9	230	264	8	40	60	22	394
3-4pm	288	10	0	10	4	312	377	13	20	27	13	450
4-5pm	316	0	0	11	23	350	306	3	22	41	15	387
5-6pm	341	0	0	15	28	384 **	327	4	18	34	0	383
6-7pm	262	0	0	7	2	271	224	4	23	17	2	270
7-8pm	---	---	---	---	---	175	---	---	---	---	---	208
8-9pm	---	---	---	---	---	116	---	---	---	---	---	160
9-10pm	---	---	---	---	---	90	---	---	---	---	---	134
10-11pm	---	---	---	---	---	65	---	---	---	---	---	113
11-12pm	---	---	---	---	---	45	---	---	---	---	---	88
Totals	---	---	---	---	---	3,768	---	---	---	---	---	6,811
7-10am	524	7	0	61	59	651	1,762	24	11	114	155	2,066
10am-1pm	516	0	2	43	28	589	871	7	2	121	100	1,101
1-4pm	690	10	0	24	21	745	938	33	74	111	56	1,212
4-7pm	919	0	0	33	53	1,005	857	11	63	92	17	1,040
7am-7pm	2,649	17	2	161	161	2,990	4,428	75	150	438	328	5,419
6-10am						806						2,436
3-7pm	1,207	10	0	43	57	1,317	1,234	24	83	119	30	1,490
6am-7pm						3,145						5,789

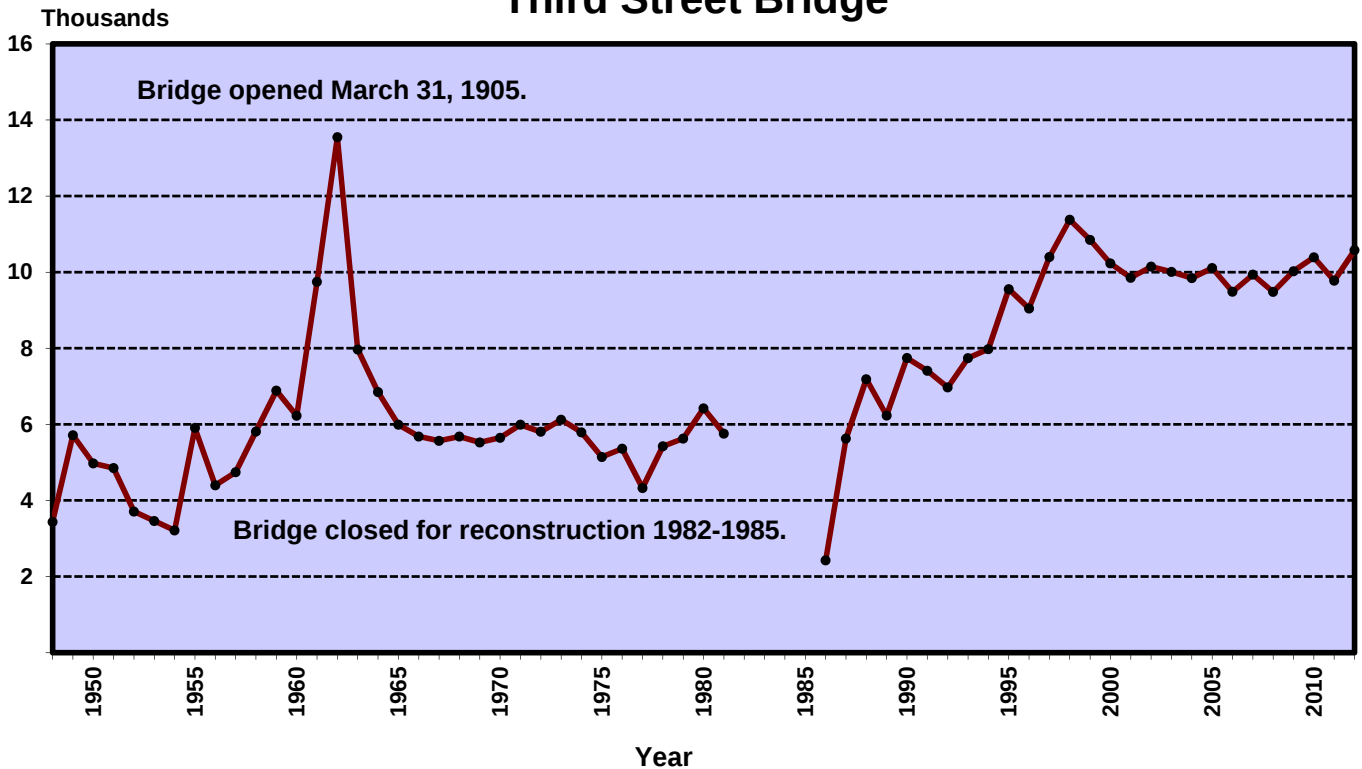
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Third Street Bridge ~ 2012



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



Hourly Vehicular Volumes Union Street Bridge - 2012

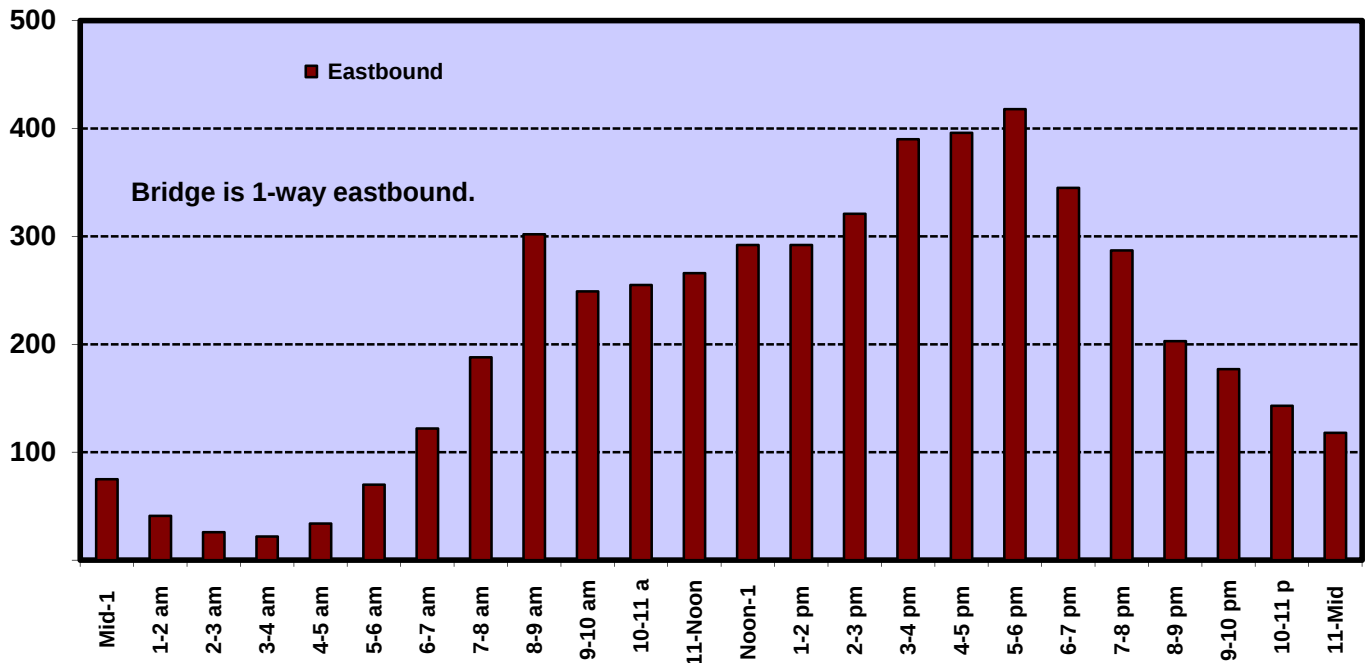
	Eastbound						Westbound						Grand Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	75	Bridge is 1-way eastbound						75
1-2am	---	---	---	---	---	41							41
2-3am	---	---	---	---	---	26							26
3-4am	---	---	---	---	---	22							22
4-5am	---	---	---	---	---	34							34
5-6am	---	---	---	---	---	70							70
6-7am	---	---	---	---	---	122							122
7-8am	149	8	0	15	16	188							188
8-9am	233	10	0	31	28	302							302
9-10am	186	4	0	20	39	249							249
10-11am	230	5	0	9	11	255							255
11-12am	214	2	0	24	26	266							266
12-1pm	254	2	0	12	24	292	292						
1-2pm	254	6	0	16	16	292	292						
2-3pm	240	4	0	44	33	321	321						
3-4pm	356	3	0	17	14	390	390						
4-5pm	344	2	0	22	28	396	396						
5-6pm	388	1	0	8	21	418	418						
6-7pm	306	1	0	16	22	345	345						
7-8pm	---	---	---	---	---	287	287						
8-9pm	---	---	---	---	---	203	203						
9-10pm	---	---	---	---	---	177	177						
10-11pm	---	---	---	---	---	143	143						
11-12pm	---	---	---	---	---	118	118						
Totals	---	---	---	---	---	5,032	---	---	---	---	---	5,032	
7-10am	568	22	0	66	83	739	---	---	---	---	---	739	
10am-1pm	698	9	0	45	61	813	---	---	---	---	---	813	
1-4pm	850	13	0	77	63	1,003	---	---	---	---	---	1,003	
4-7pm	1,038	4	0	46	71	1,159	---	---	---	---	---	1,159	
7am-7pm	3,154	48	0	234	278	3,714	---	---	---	---	---	3,714	
6-10am													
3-7pm	1,394	7	0	63	85	861	---	---	---	---	---	861	
6am-7pm													

Bridge is 1-way eastbound

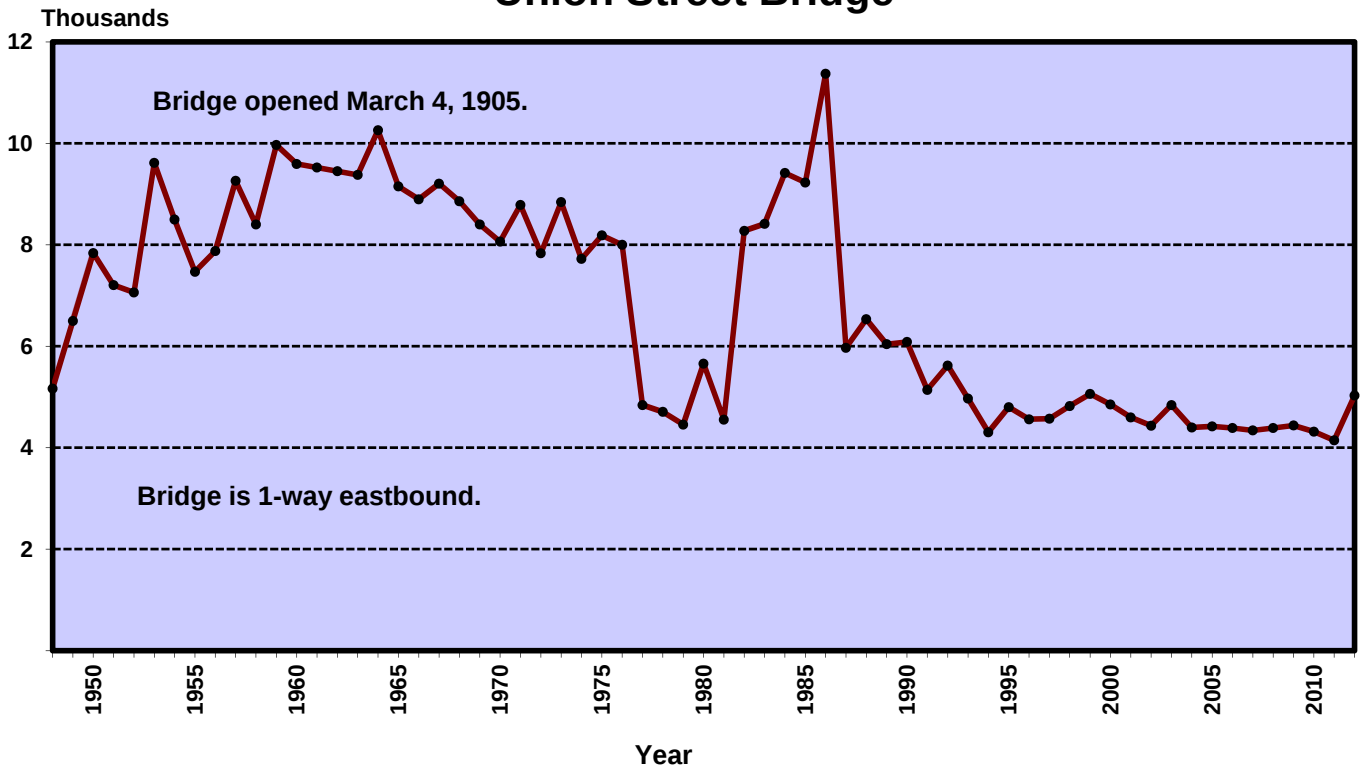
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Union Street Bridge ~ 2012



Average Daily Traffic Volumes Union Street Bridge



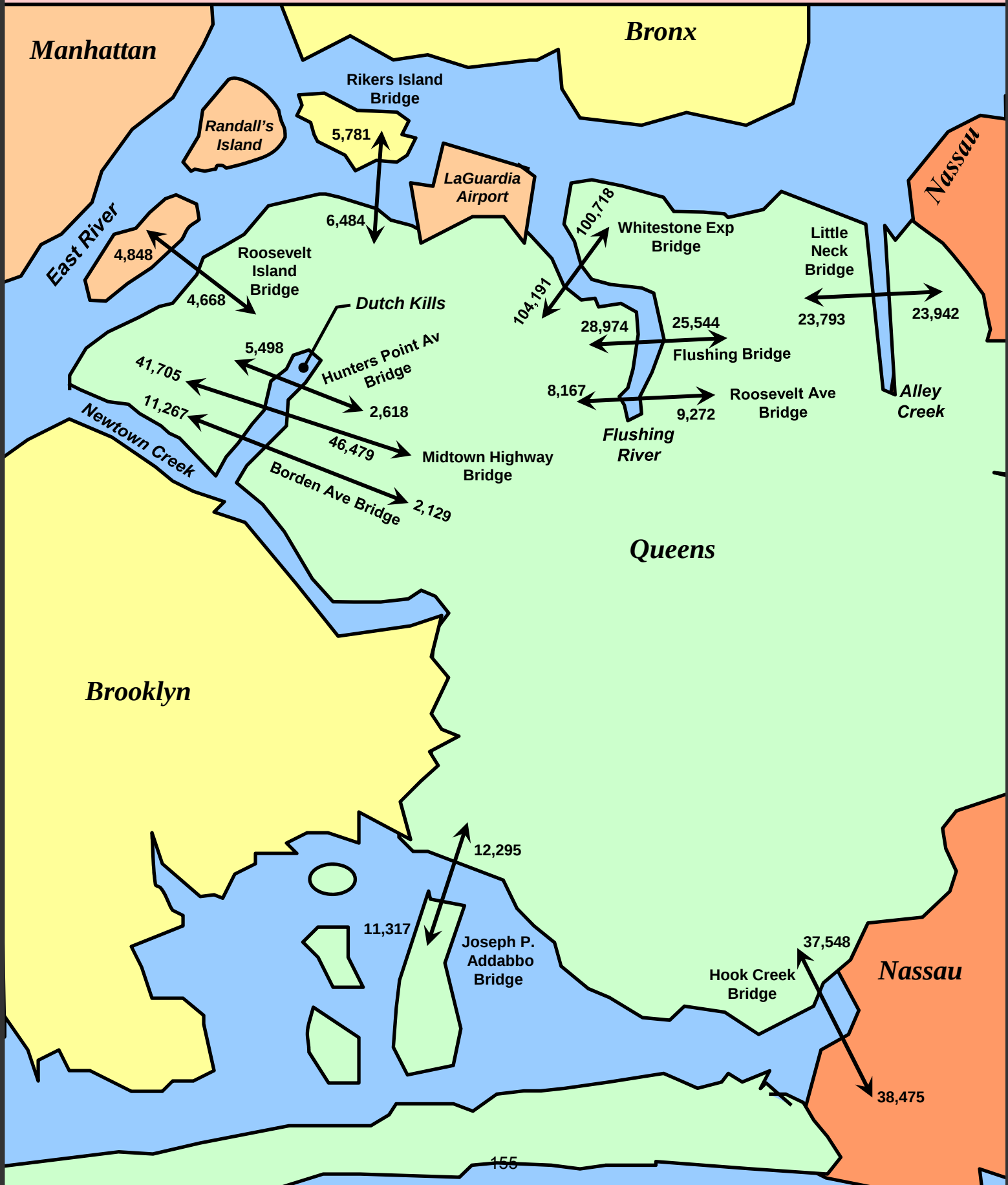
Queens Bridges



Joseph P. Addabbo Memorial Bridge

QUEENS BRIDGES

2012 Daily Volumes



Queens Bridges ~ Average Daily Traffic Volumes 1948 - 2012

<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

* North Channel Bridge.

**Queens Bridges (cont'd) ~ Average Daily Traffic Volumes
1948 - 2012**

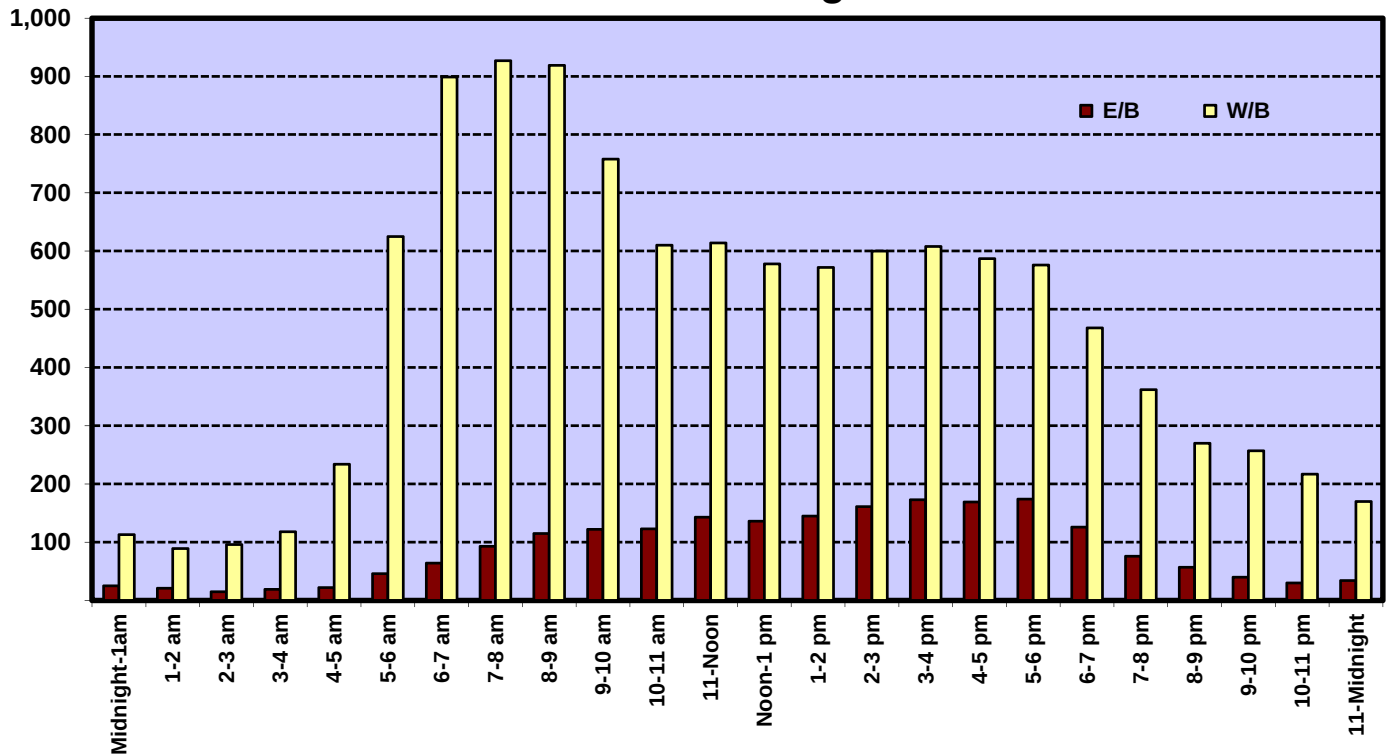
<i>Year</i>	<i>Midtown Highway Bridge</i>	<i>Rikers Island Bridge</i>	<i>Roosevelt Avenue Bridge</i>	<i>Roosevelt Island Bridge</i>	<i>Whitestone Expressway Bridge</i>	<i>Totals</i>
1948	28,754	<i>Bridge opened</i>	14,044	<i>Bridge opened</i>	27,290	147,106
1949	27,963		18,907		31,558	173,925
1950	32,429	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

Hourly Vehicular Volumes

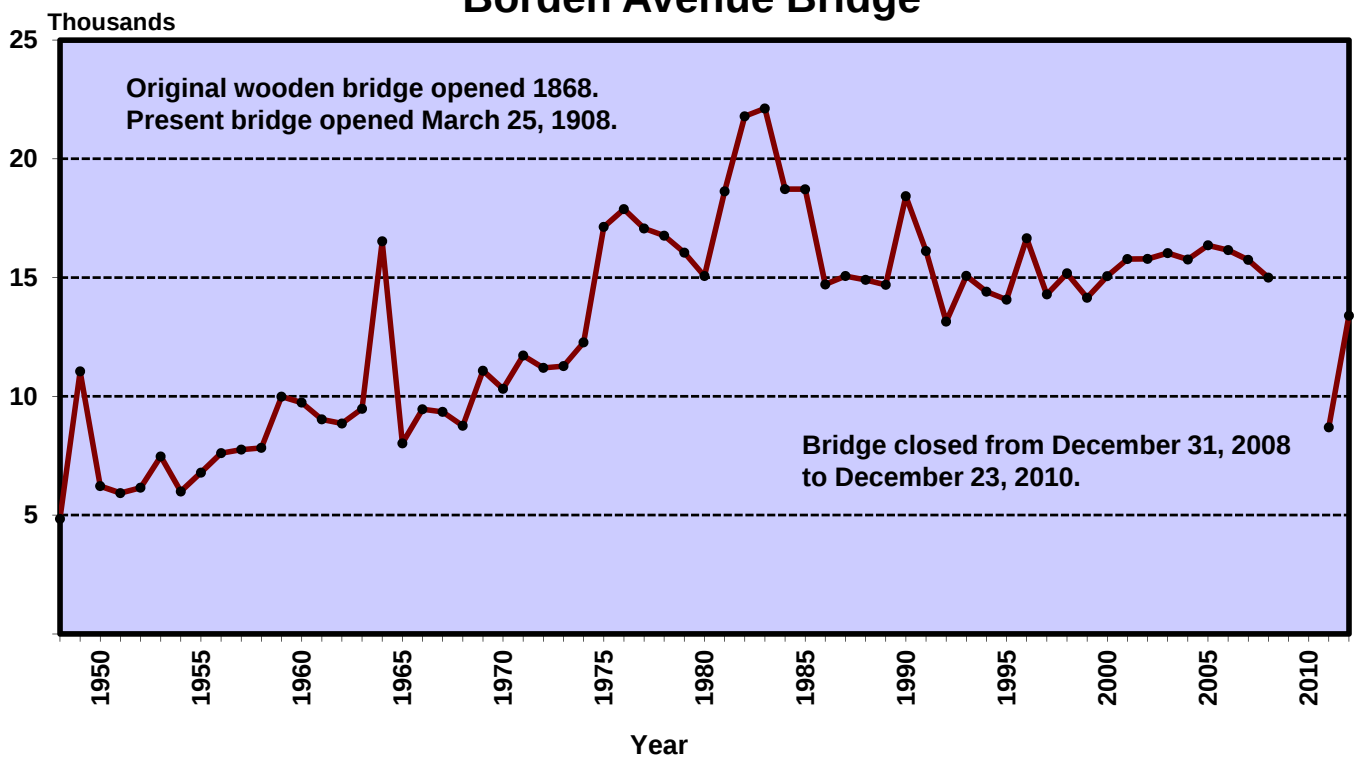
	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	25	---	---	---	---	---	113
1-2am	---	---	---	---	---	21	---	---	---	---	---	89
2-3am	---	---	---	---	---	15	---	---	---	---	---	96
3-4am	---	---	---	---	---	19	---	---	---	---	---	118
4-5am	---	---	---	---	---	22	---	---	---	---	---	234
5-6am	---	---	---	---	---	46	---	---	---	---	---	625
6-7am	---	---	---	---	---	64	---	---	---	---	---	899
7-8am	50	4	2	24	13	93	708	14	27	88	90	927
8-9am	56	3	3	36	17	115	790	9	11	76	33	919
9-10am	58	4	1	38	21	122	586	5	11	95	61	758
10-11am	84	2	4	23	10	123	534	9	5	47	15	610
11-12am	67	2	2	50	22	143	425	8	9	125	47	614
12-1pm	102	3	2	19	10	136	490	6	5	59	18	578
1-2pm	109	1	2	22	11	145	459	6	5	63	39	572
2-3pm	81	1	11	46	22	161	426	12	10	113	39	600
3-4pm	145	2	5	15	6	173	503	39	4	42	20	608
4-5pm	129	3	8	17	12	169	439	40	11	76	21	587
5-6pm	138	2	5	20	9	174 **	494	22	8	28	24	576
6-7pm	92	0	6	17	11	126	391	15	11	32	19	468
7-8pm	---	---	---	---	---	76	---	---	---	---	---	362
8-9pm	---	---	---	---	---	57	---	---	---	---	---	270
9-10pm	---	---	---	---	---	40	---	---	---	---	---	257
10-11pm	---	---	---	---	---	30	---	---	---	---	---	217
11-12pm	---	---	---	---	---	34	---	---	---	---	---	170
Totals	---	---	---	---	---	2,129	---	---	---	---	---	11,267
7-10am	164	11	6	98	51	330	2,084	28	49	259	184	2,604
10am-1pm	253	7	8	92	42	402	1,449	23	19	231	80	1,802
1-4pm	335	4	18	83	39	479	1,388	57	19	218	98	1,780
4-7pm	359	5	19	54	32	469	1,324	77	30	136	64	1,631
7am-7pm	1,111	27	51	327	164	1,680	6,245	185	117	844	426	7,817
6-10am						394						3,503
3-7pm	504	7	24	69	38	642	1,827	116	34	178	84	2,239
6am-7pm						1,744						8,716

****Peak Volumes**

Hourly Vehicular Volumes Borden Avenue Bridge ~ 2012



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



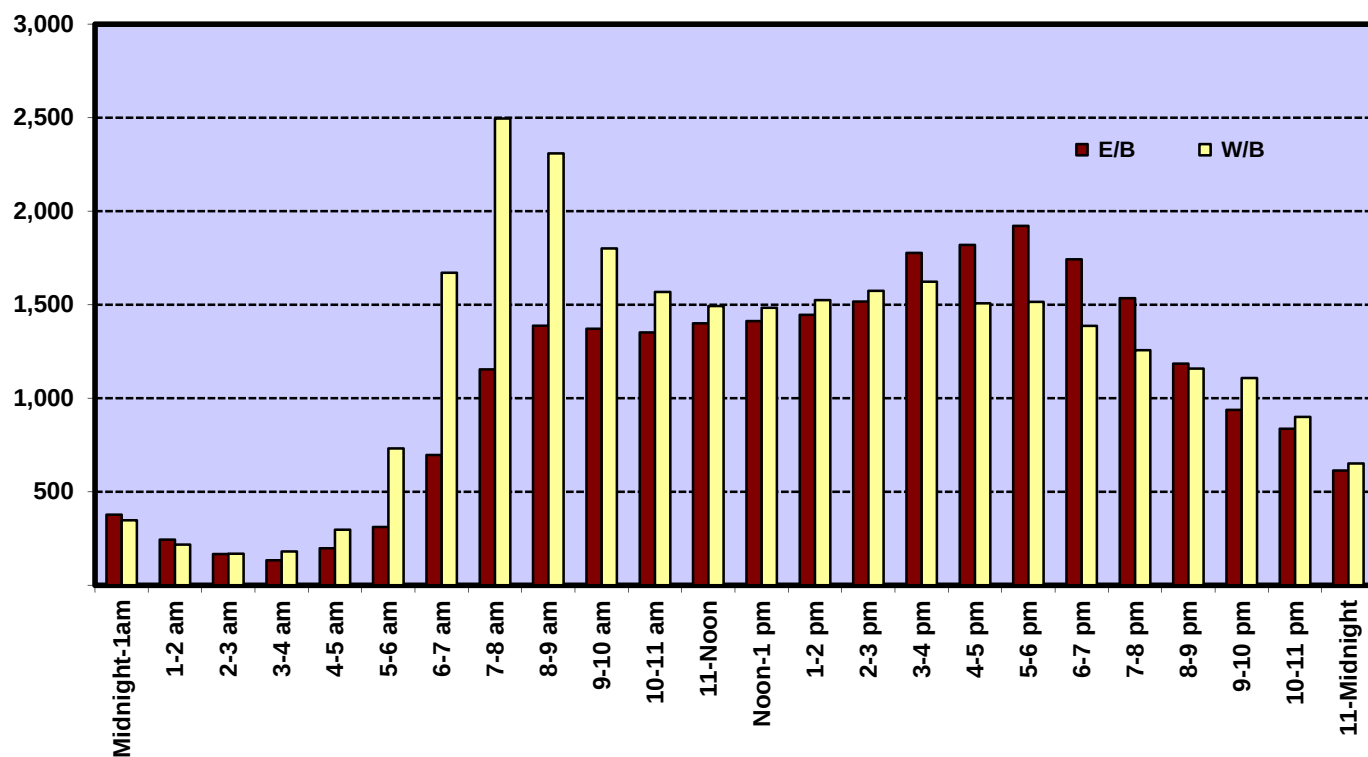
Hourly Vehicular Volumes Flushing Bridge - 2012

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	378	---	---	---	---	---	348
1-2am	---	---	---	---	---	244	---	---	---	---	---	218
2-3am	---	---	---	---	---	167	---	---	---	---	---	169
3-4am	---	---	---	---	---	134	---	---	---	---	---	181
4-5am	---	---	---	---	---	198	---	---	---	---	---	297
5-6am	---	---	---	---	---	312	---	---	---	---	---	732
6-7am	---	---	---	---	---	697	---	---	---	---	---	1,671
7-8am	919	40	6	80	109	1,154	2,100	13	53	100	230	2,496 **
8-9am	1,116	26	16	107	123	1,388	1,873	22	46	122	246	2,309
9-10am	1,123	12	28	121	88	1,372	1,369	9	55	140	228	1,801
10-11am	1,186	15	17	61	73	1,352	1,390	12	14	70	82	1,568
11-12am	1,068	7	41	105	180	1,401	1,209	2	23	113	146	1,493
12-1pm	1,253	7	22	51	80	1,413	1,319	6	6	69	84	1,484
1-2pm	1,241	17	14	57	117	1,446	1,390	12	21	63	39	1,525
2-3pm	1,068	24	28	114	283	1,517	1,309	20	53	101	91	1,574
3-4pm	1,526	18	16	48	169	1,777	1,485	28	20	48	42	1,623
4-5pm	1,463	13	27	57	260	1,820	1,333	10	29	54	82	1,508
5-6pm	1,613	12	14	47	236	1,922 **	1,331	6	44	49	85	1,515
6-7pm	1,511	8	9	32	183	1,743	1,287	7	14	33	46	1,387
7-8pm	---	---	---	---	---	1,535	---	---	---	---	---	1,257
8-9pm	---	---	---	---	---	1,185	---	---	---	---	---	1,159
9-10pm	---	---	---	---	---	938	---	---	---	---	---	1,108
10-11pm	---	---	---	---	---	837	---	---	---	---	---	900
11-12pm	---	---	---	---	---	614	---	---	---	---	---	651
Totals	---	---	---	---	---	25,544	---	---	---	---	---	28,974
7-10am	3,158	78	50	308	320	3,914	5,342	44	154	362	704	6,606
10am-1pm	3,507	29	80	217	333	4,166	3,918	20	43	252	312	4,545
1-4pm	3,835	59	58	219	569	4,740	4,184	60	94	212	172	4,722
4-7pm	4,587	33	50	136	679	5,485	3,951	23	87	136	213	4,410
7am-7pm	15,087	199	238	880	1,901	18,305	17,395	147	378	962	1,401	20,283
6-10am						4,611						8,277
3-7pm	6,113	51	66	184	848	7,262	5,436	51	107	184	255	6,033
6am-7pm						19,002						21,954
										</		

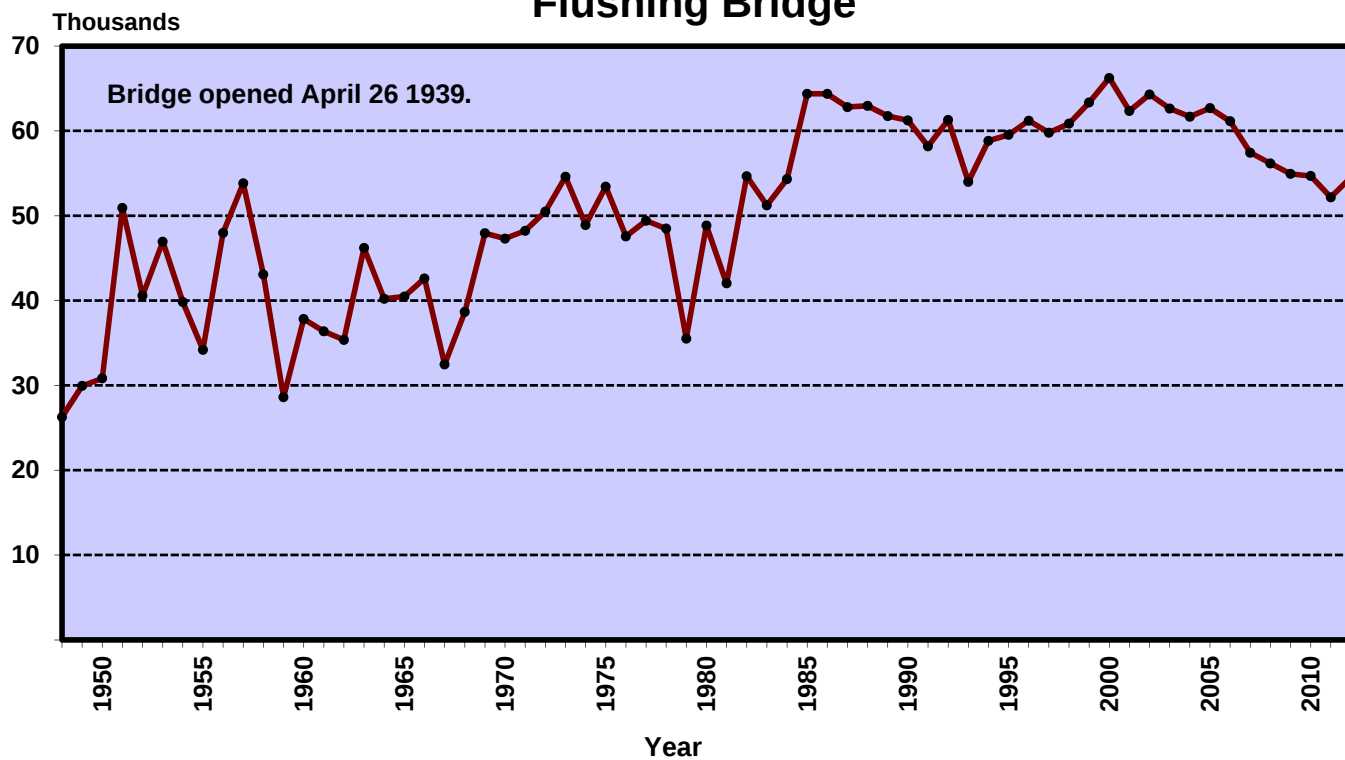
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Flushing Bridge ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Flushing Bridge



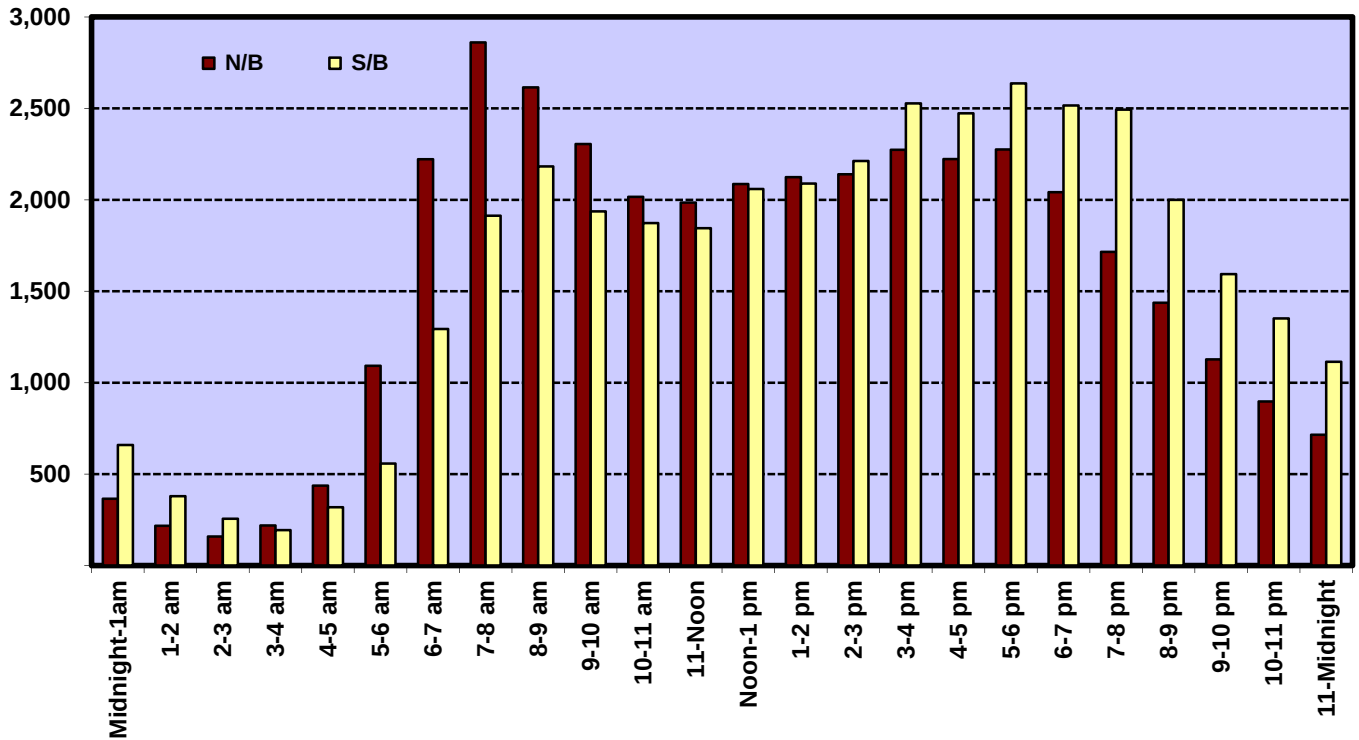
Hourly Vehicular Volumes Hook Creek Bridge - 2012

	Northbound					Totals	Southbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	365	---	---	---	---	---	659
1-2am	---	---	---	---	---	217	---	---	---	---	---	379
2-3am	---	---	---	---	---	159	---	---	---	---	---	256
3-4am	---	---	---	---	---	219	---	---	---	---	---	194
4-5am	---	---	---	---	---	437	---	---	---	---	---	319
5-6am	---	---	---	---	---	1,092	---	---	---	---	---	558
6-7am	---	---	---	---	---	2,222	---	---	---	---	---	1,294
7-8am	2,650	19	64	82	46	2,861	1,522	14	138	138	101	1,913
8-9am	2,316	18	85	124	72	2,615	1,790	10	136	157	90	2,183
9-10am	2,002	7	69	153	74	2,305	1,635	7	81	130	84	1,937
10-11am	1,901	2	14	54	45	2,016	1,749	2	12	60	50	1,873
11-12am	1,658	10	44	187	86	1,985	1,640	2	14	105	84	1,845
12-1pm	1,968	9	27	61	21	2,086	1,973	0	13	46	27	2,059
1-2pm	1,937	14	44	75	54	2,124	1,842	6	64	125	52	2,089
2-3pm	1,917	16	47	84	76	2,140	2,003	3	33	94	79	2,212
3-4pm	2,185	35	11	27	16	2,274	2,421	3	20	38	45	2,527
4-5pm	2,106	11	26	45	35	2,223	2,313	3	40	54	63	2,473
5-6pm	2,098	12	39	41	85	2,275	2,456	7	59	40	75	2,637
6-7pm	1,942	12	44	24	20	2,042	2,402	4	49	35	26	2,516
7-8pm	---	---	---	---	---	1,715	---	---	---	---	---	2,493
8-9pm	---	---	---	---	---	1,437	---	---	---	---	---	2,000
9-10pm	---	---	---	---	---	1,127	---	---	---	---	---	1,594
10-11pm	---	---	---	---	---	897	---	---	---	---	---	1,351
11-12pm	---	---	---	---	---	715	---	---	---	---	---	1,114
Totals	---	---	---	---	---	37,548	---	---	---	---	---	38,475
7-10am	6,968	44	218	359	192	7,781	4,947	31	355	425	275	6,033
10am-1pm	5,527	21	85	302	152	6,087	5,362	4	39	211	161	5,777
1-4pm	6,039	65	102	186	146	6,538	6,266	12	117	257	176	6,828
4-7pm	6,146	35	109	110	140	6,540	7,171	14	148	129	164	7,626
7am-7pm	24,680	165	514	957	630	26,946	23,746	61	659	1,022	776	26,264
6-10am						10,003						7,327
3-7pm	8,331	70	120	137	156	8,814	9,592	17	168	167	209	10,153
6am-7pm						29,168						27,558

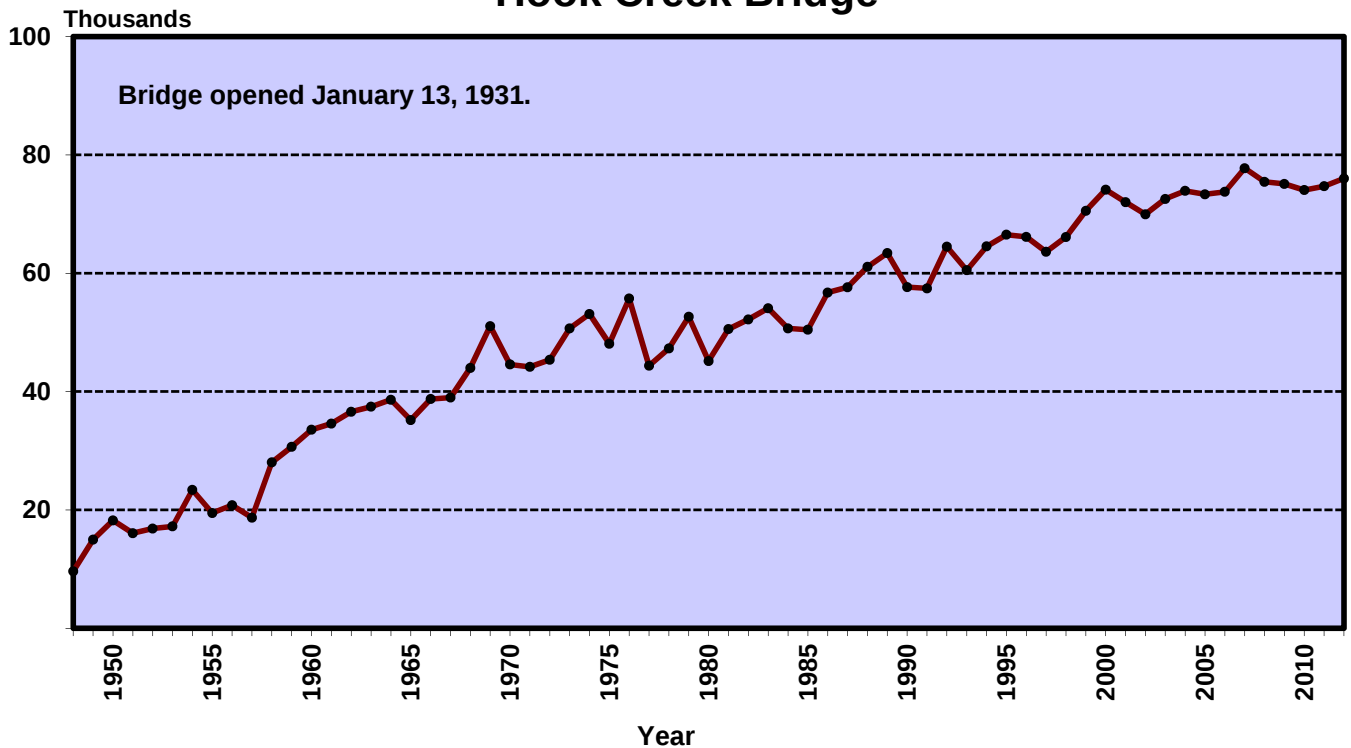
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hook Creek Bridge ~ 2012



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



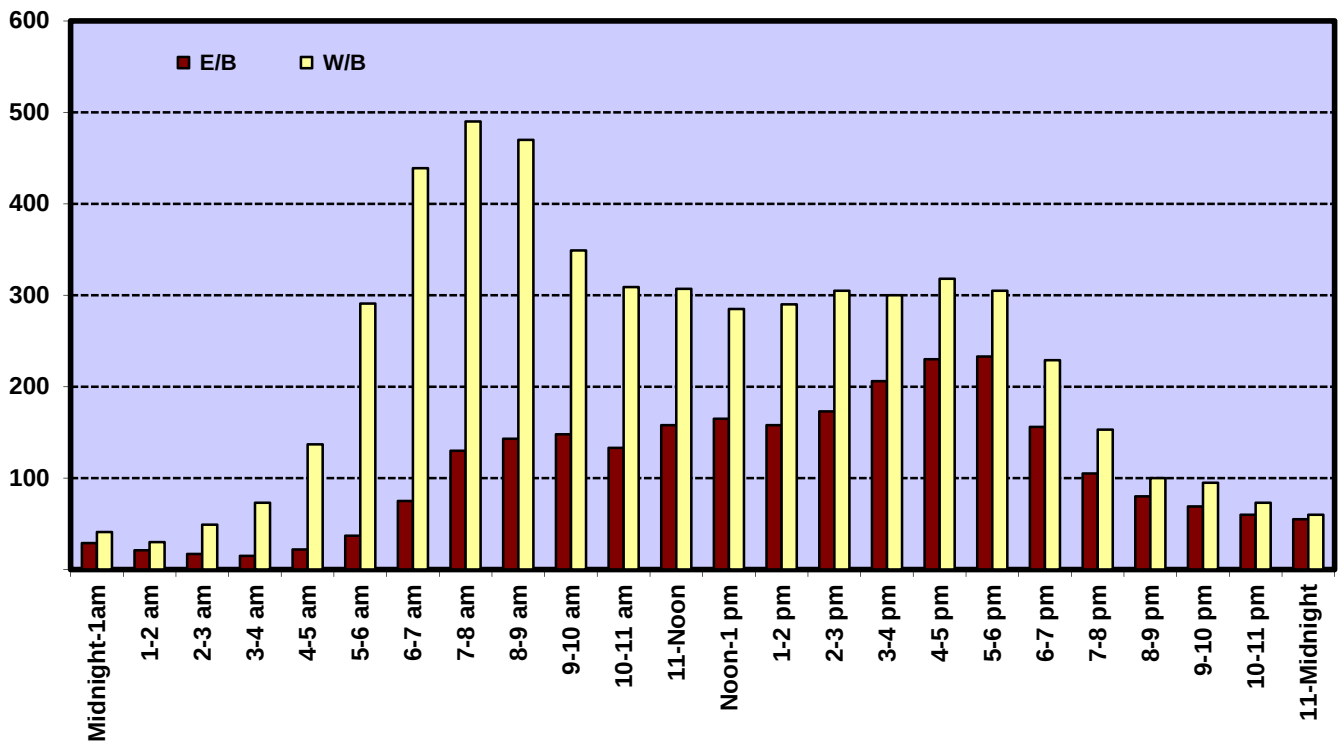
Hourly Vehicular Volumes Hunters Point Bridge - 2012

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	29	---	---	---	---	---	41
1-2am	---	---	---	---	---	21	---	---	---	---	---	30
2-3am	---	---	---	---	---	17	---	---	---	---	---	49
3-4am	---	---	---	---	---	15	---	---	---	---	---	73
4-5am	---	---	---	---	---	22	---	---	---	---	---	137
5-6am	---	---	---	---	---	37	---	---	---	---	---	291
6-7am	---	---	---	---	---	75	---	---	---	---	---	439
7-8am	92	0	13	14	11	130	365	2	20	32	71	490 **
8-9am	80	0	5	21	37	143	396	0	8	32	34	470
9-10am	91	0	2	25	30	148	249	0	3	46	51	349
10-11am	110	0	4	15	4	133	262	0	1	28	18	309
11-12am	100	1	7	28	22	158	220	0	2	53	32	307
12-1pm	121	0	6	19	19	165	226	0	2	34	23	285
1-2pm	113	0	9	17	19	158	232	3	3	25	27	290
2-3pm	102	0	15	28	28	173	219	10	2	38	36	305
3-4pm	173	0	7	19	7	206	282	4	1	9	4	300
4-5pm	167	0	13	18	32	230	223	48	2	11	34	318
5-6pm	198	0	11	2	22	233 **	252	13	1	19	20	305
6-7pm	130	1	3	6	16	156	195	5	3	7	19	229
7-8pm	---	---	---	---	---	105	---	---	---	---	---	153
8-9pm	---	---	---	---	---	80	---	---	---	---	---	100
9-10pm	---	---	---	---	---	69	---	---	---	---	---	95
10-11pm	---	---	---	---	---	60	---	---	---	---	---	73
11-12pm	---	---	---	---	---	55	---	---	---	---	---	60
Totals	---	---	---	---	---	2,618	---	---	---	---	---	5,498
7-10am	263	0	20	60	78	421	1,010	2	31	110	156	1,309
10am-1pm	331	1	17	62	45	456	708	0	5	115	73	901
1-4pm	388	0	31	64	54	537	733	17	6	72	67	895
4-7pm	495	1	27	26	70	619	670	66	6	37	73	852
7am-7pm	1,477	2	95	212	247	2,033	3,121	85	48	334	369	3,957
6-10am						496						1,748
3-7pm	668	1	34	45	77	825	952	70	7	46	77	1,152
6am-7pm						2,108						4,396
												2,244
												1,977
												6,504

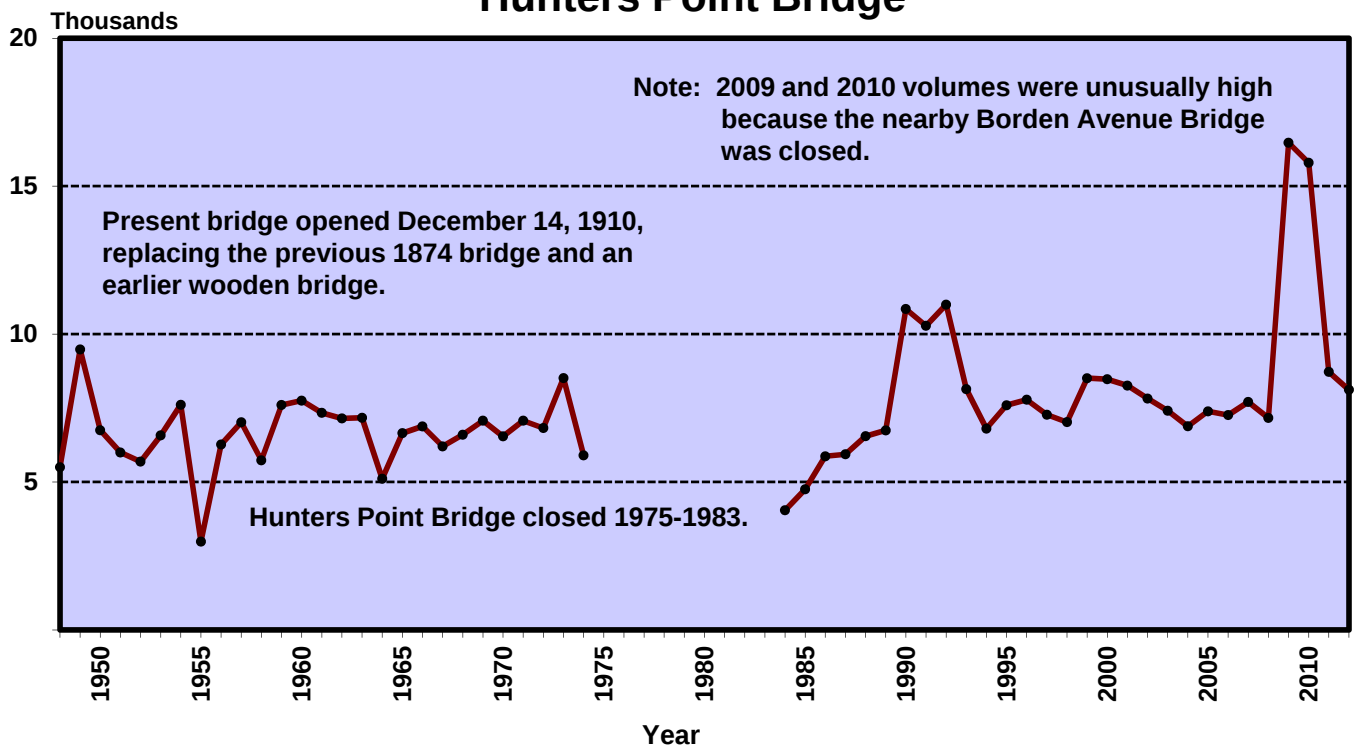
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hunters Point Bridge ~ 2012



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

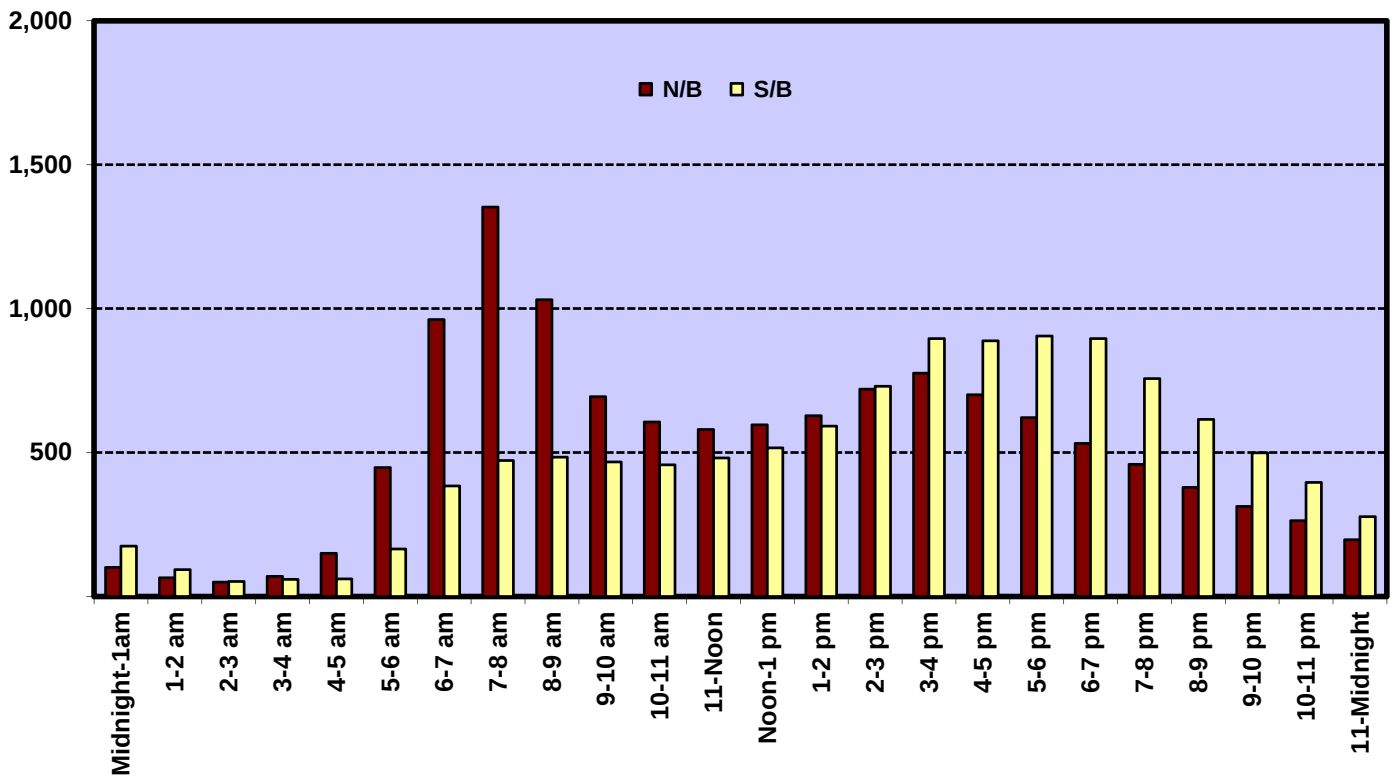


Hourly Vehicular Volumes

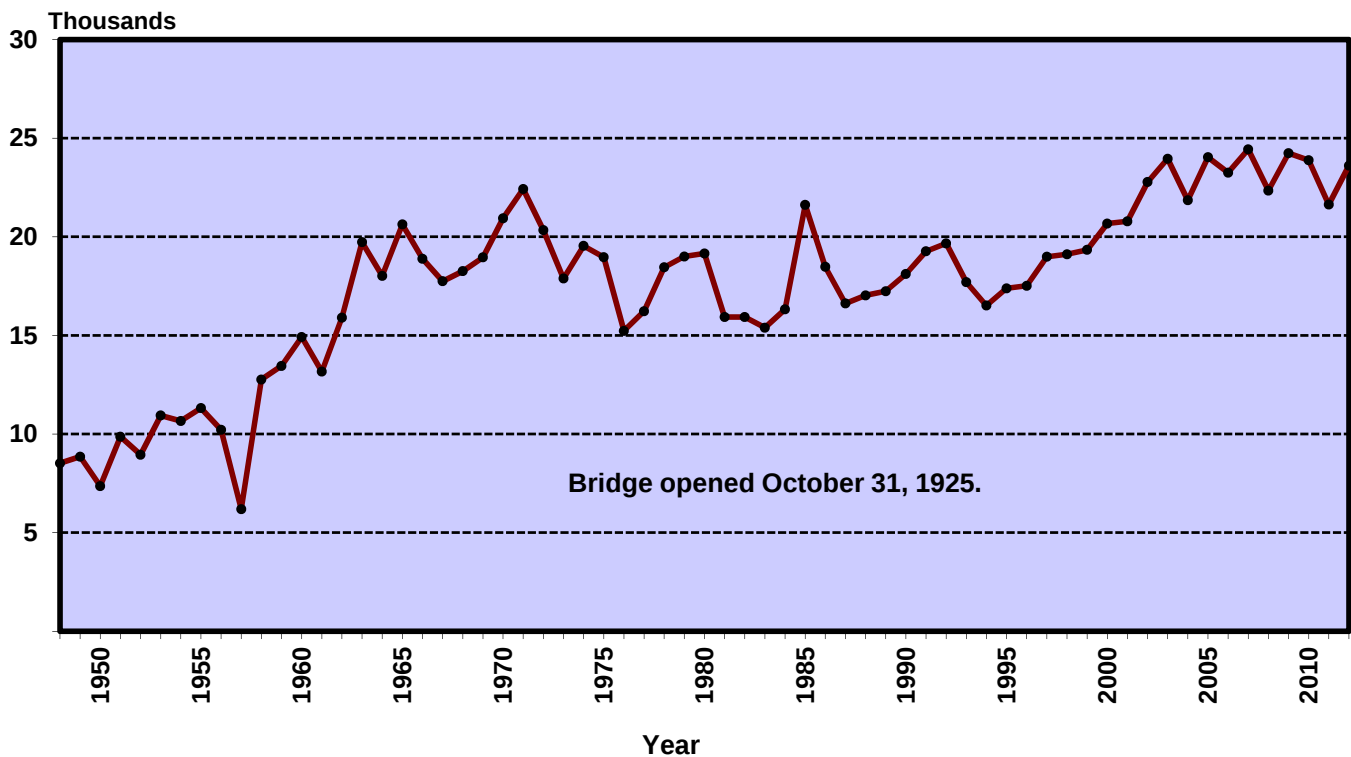
	Northbound					Totals	Southbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	101	---	---	---	---	---	175
1-2am	---	---	---	---	---	65	---	---	---	---	---	93
2-3am	---	---	---	---	---	50	---	---	---	---	---	52
3-4am	---	---	---	---	---	70	---	---	---	---	---	59
4-5am	---	---	---	---	---	150	---	---	---	---	---	61
5-6am	---	---	---	---	---	448	---	---	---	---	---	165
6-7am	---	---	---	---	---	962	---	---	---	---	---	384
7-8am	1,237	34	21	24	37	1,353 **	344	23	6	37	62	472
8-9am	873	29	20	41	68	1,031	359	25	1	39	60	484
9-10am	575	9	7	65	38	694	322	18	3	58	66	467
10-11am	551	11	8	27	9	606	395	12	0	19	31	457
11-12am	461	8	8	56	47	580	351	8	0	51	71	481
12-1pm	516	16	0	33	31	596	462	11	0	17	26	516
1-2pm	583	4	4	20	17	628	540	7	0	15	30	592
2-3pm	592	22	11	52	43	720	583	30	4	30	83	730
3-4pm	698	24	11	21	22	776	782	26	0	26	62	896
4-5pm	583	31	13	43	31	701	755	10	2	30	91	888
5-6pm	544	9	16	28	24	621	825	6	0	18	56	905 **
6-7pm	447	8	18	23	36	532	805	7	4	11	69	896
7-8pm	---	---	---	---	---	459	---	---	---	---	---	757
8-9pm	---	---	---	---	---	379	---	---	---	---	---	615
9-10pm	---	---	---	---	---	313	---	---	---	---	---	499
10-11pm	---	---	---	---	---	263	---	---	---	---	---	396
11-12pm	---	---	---	---	---	197	---	---	---	---	---	277
Totals	---	---	---	---	---	12,295	---	---	---	---	---	11,317
7-10am	2,685	72	48	130	143	3,078	1,025	66	10	134	188	1,423
10am-1pm	1,528	35	16	116	87	1,782	1,208	31	0	87	128	1,454
1-4pm	1,873	50	26	93	82	2,124	1,905	63	4	71	175	2,218
4-7pm	1,574	48	47	94	91	1,854	2,385	23	6	59	216	2,689
7am-7pm	7,660	205	137	433	403	8,838	6,523	183	20	351	707	7,784
6-10am						4,040						1,807
3-7pm	2,272	72	58	115	113	2,630	3,167	49	6	85	278	3,585
6am-7pm						9,800						8,168
2-Way Totals												
						</						

** Peak Volumes

Hourly Vehicular Volumes Joseph P. Addabbo Memorial Bridge ~ 2012



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



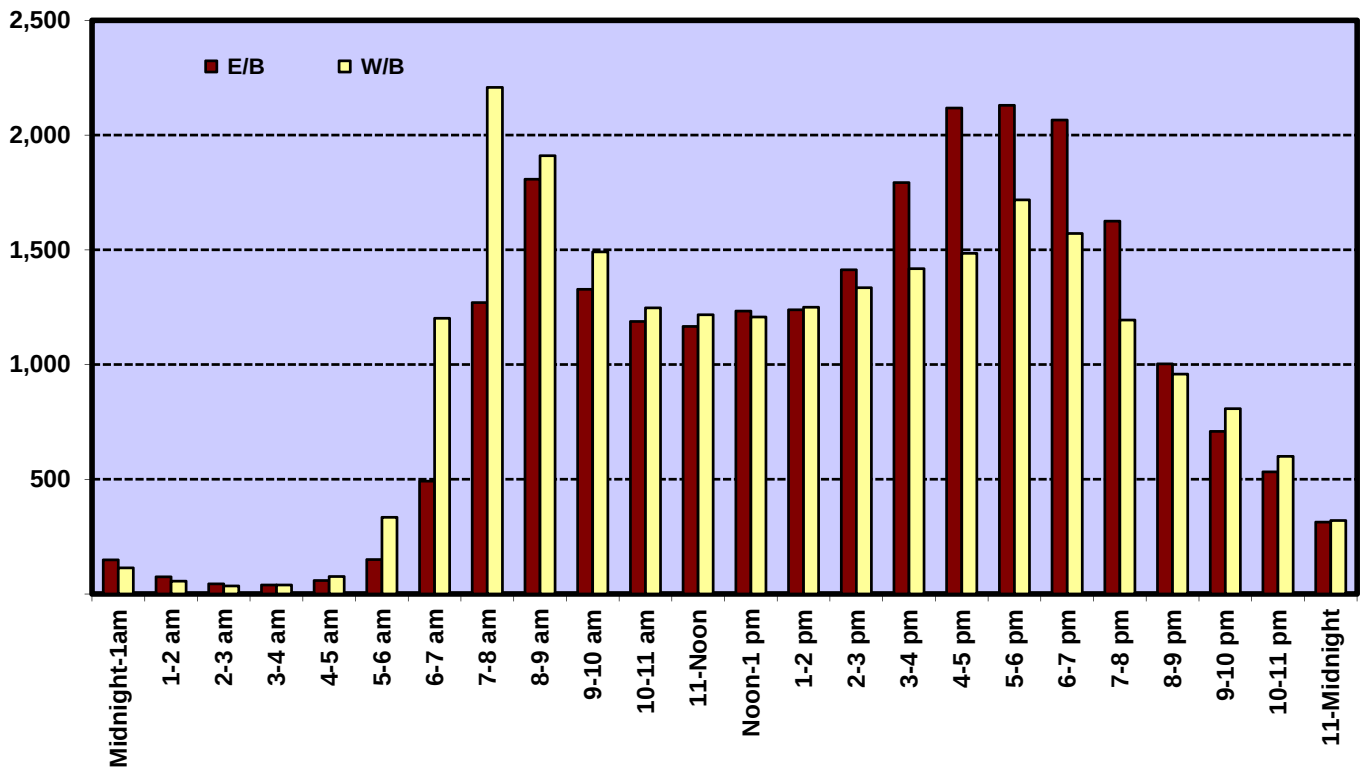
Hourly Vehicular Volumes Little Neck Bridge - 2012

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	149	---	---	---	---	---	114
1-2am	---	---	---	---	---	75	---	---	---	---	---	56
2-3am	---	---	---	---	---	44	---	---	---	---	---	35
3-4am	---	---	---	---	---	39	---	---	---	---	---	39
4-5am	---	---	---	---	---	59	---	---	---	---	---	76
5-6am	---	---	---	---	---	150	---	---	---	---	---	334
6-7am	---	---	---	---	---	492	---	---	---	---	---	1,202
7-8am	1,034	33	58	90	55	1,270	1,977	82	7	40	102	2,208 **
8-9am	1,592	25	74	67	50	1,808	1,748	48	3	36	75	1,910
9-10am	1,170	17	53	64	24	1,328	1,369	8	0	39	75	1,491
10-11am	1,084	8	26	42	28	1,188	1,179	10	0	26	32	1,247
11-12am	1,022	12	26	59	47	1,166	1,086	7	0	67	57	1,217
12-1pm	1,159	13	9	40	12	1,233	1,127	10	0	27	43	1,207
1-2pm	1,147	9	20	31	32	1,239	1,191	3	0	22	34	1,250
2-3pm	1,203	15	58	79	58	1,413	1,197	10	0	43	85	1,335
3-4pm	1,694	20	19	38	22	1,793	1,344	10	0	16	48	1,418
4-5pm	1,783	15	81	144	95	2,118	1,333	16	0	40	96	1,485
5-6pm	1,907	21	58	48	96	2,130 **	1,634	12	0	10	62	1,718
6-7pm	1,904	19	58	46	39	2,066	1,501	9	0	6	55	1,571
7-8pm	---	---	---	---	---	1,625	---	---	---	---	---	1,194
8-9pm	---	---	---	---	---	1,003	---	---	---	---	---	958
9-10pm	---	---	---	---	---	709	---	---	---	---	---	808
10-11pm	---	---	---	---	---	532	---	---	---	---	---	600
11-12pm	---	---	---	---	---	313	---	---	---	---	---	320
Totals	---	---	---	---	---	23,942	---	---	---	---	---	23,793
7-10am	3,796	75	185	221	129	4,406	5,094	138	10	115	252	5,609
10am-1pm	3,265	33	61	141	87	3,587	3,392	27	0	120	132	3,671
1-4pm	4,044	44	97	148	112	4,445	3,732	23	0	81	167	4,003
4-7pm	5,594	55	197	238	230	6,314	4,468	37	0	56	213	4,774
7am-7pm	16,699	207	540	748	558	18,752	16,686	225	10	372	764	18,057
6-10am						4,898						6,811
3-7pm	7,288	75	216	276	252	8,107	5,812	47	0	72	261	6,192
6am-7pm						19,244						19,259
												38,503

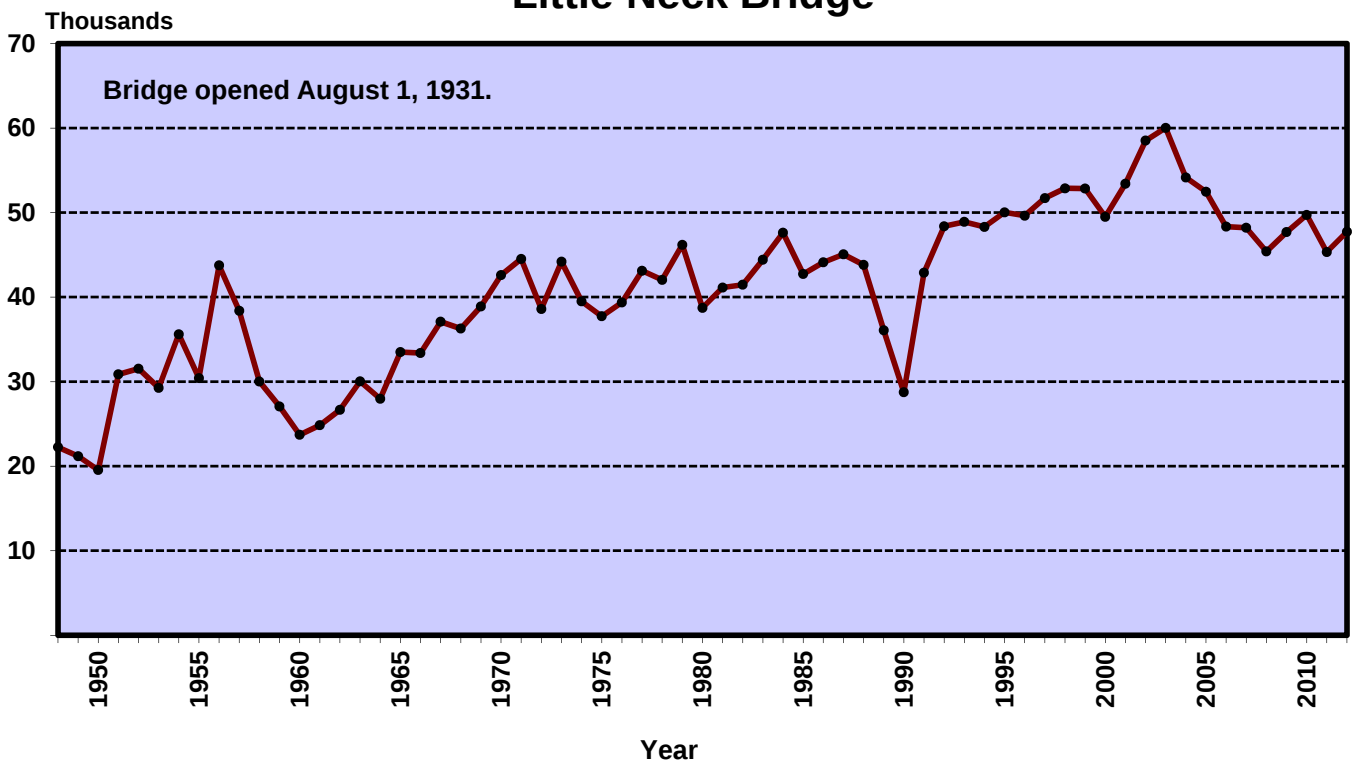
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Little Neck Bridge ~ 2012



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



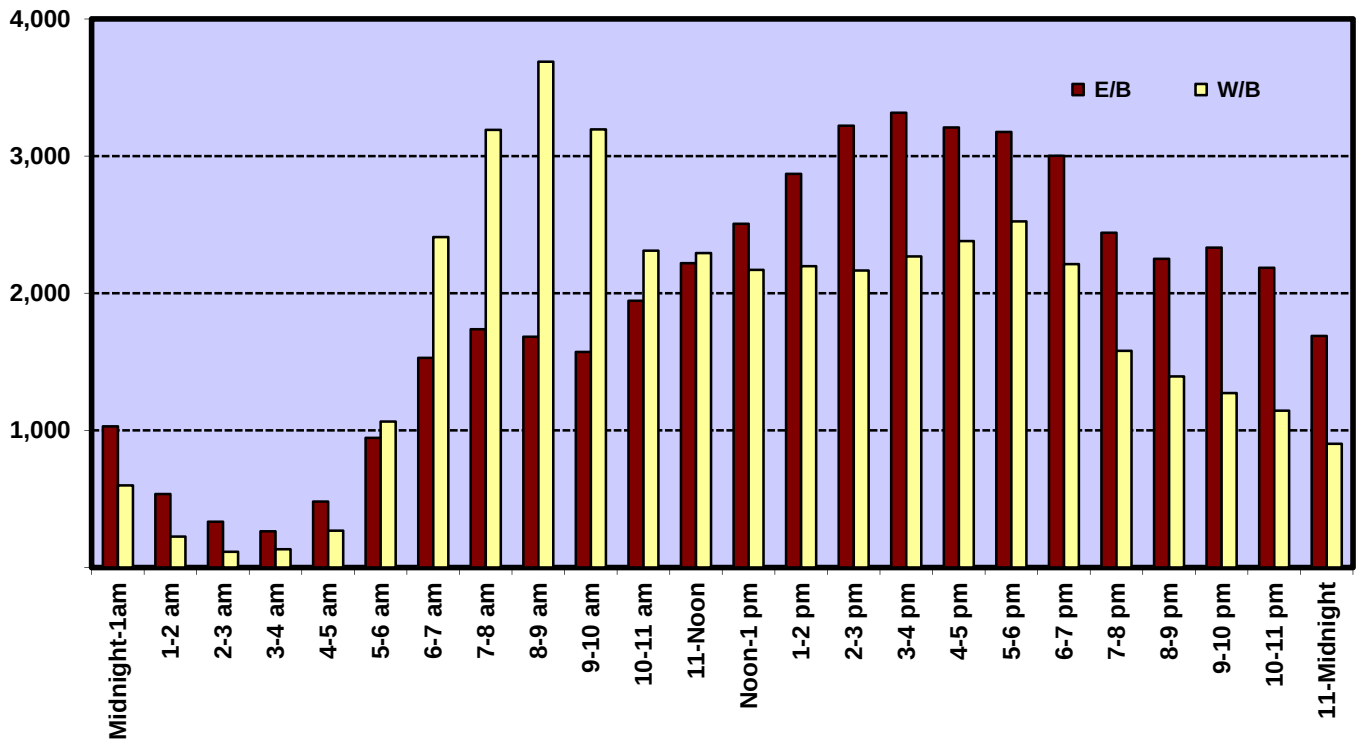
Hourly Vehicular Volumes Midtown Highway Bridge - 2012

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	1,030	---	---	---	---	---	599
1-2am	---	---	---	---	---	536	---	---	---	---	---	226
2-3am	---	---	---	---	---	334	---	---	---	---	---	115
3-4am	---	---	---	---	---	264	---	---	---	---	---	133
4-5am	---	---	---	---	---	481	---	---	---	---	---	269
5-6am	---	---	---	---	---	946	---	---	---	---	---	1,064
6-7am	---	---	---	---	---	1,529	---	---	---	---	---	2,410
7-8am	1,419	72	15	140	92	1,738	2,609	142	66	117	257	3,191
8-9am	1,352	110	15	117	89	1,683	3,113	72	71	144	288	3,688 **
9-10am	1,197	129	11	140	95	1,572	2,571	76	111	180	257	3,195
10-11am	1,751	62	3	56	73	1,945	2,109	27	30	62	83	2,311
11-12am	1,920	52	7	126	115	2,220	1,917	18	106	119	133	2,293
12-1pm	2,265	30	22	91	98	2,506	1,955	8	66	75	66	2,170
1-2pm	2,269	38	84	180	299	2,870	1,750	21	138	148	140	2,197
2-3pm	2,752	17	70	166	217	3,222	1,719	83	103	145	116	2,166
3-4pm	3,064	30	34	58	130	3,316 **	1,964	77	79	61	88	2,269
4-5pm	2,699	24	77	97	312	3,209	1,819	189	152	52	169	2,381
5-6pm	2,822	24	22	55	253	3,176	2,076	106	119	109	114	2,524
6-7pm	2,737	10	29	64	162	3,002	2,008	31	58	54	62	2,213
7-8pm	---	---	---	---	---	2,441	---	---	---	---	---	1,580
8-9pm	---	---	---	---	---	2,251	---	---	---	---	---	1,393
9-10pm	---	---	---	---	---	2,333	---	---	---	---	---	1,272
10-11pm	---	---	---	---	---	2,186	---	---	---	---	---	1,144
11-12pm	---	---	---	---	---	1,689	---	---	---	---	---	902
Totals	---	---	---	---	---	46,479	---	---	---	---	---	41,705
7-10am	3,968	311	41	397	276	4,993	8,293	290	248	441	802	10,074
10am-1pm	5,936	144	32	273	286	6,671	5,981	53	202	256	282	6,774
1-4pm	8,085	85	188	404	646	9,408	5,433	181	320	354	344	6,632
4-7pm	8,258	58	128	216	727	9,387	5,903	326	329	215	345	7,118
7am-7pm	26,247	598	389	1,290	1,935	30,459	25,610	850	1,099	1,266	1,773	30,598
6-10am						6,522						12,484
3-7pm	11,322	88	162	274	857	12,703	7,867	403	408	276	433	9,387
6am-7pm						31,988						33,008

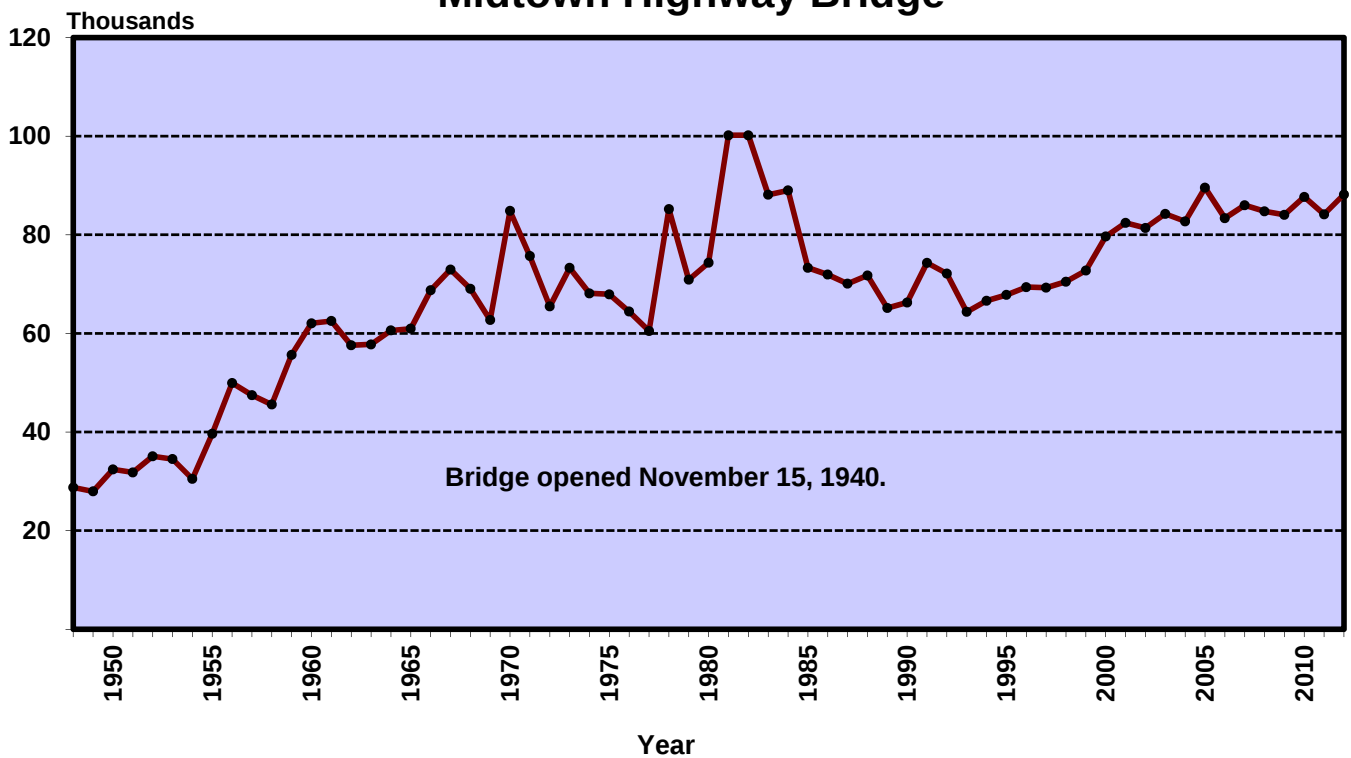
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Midtown Highway Bridge ~ 2012



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



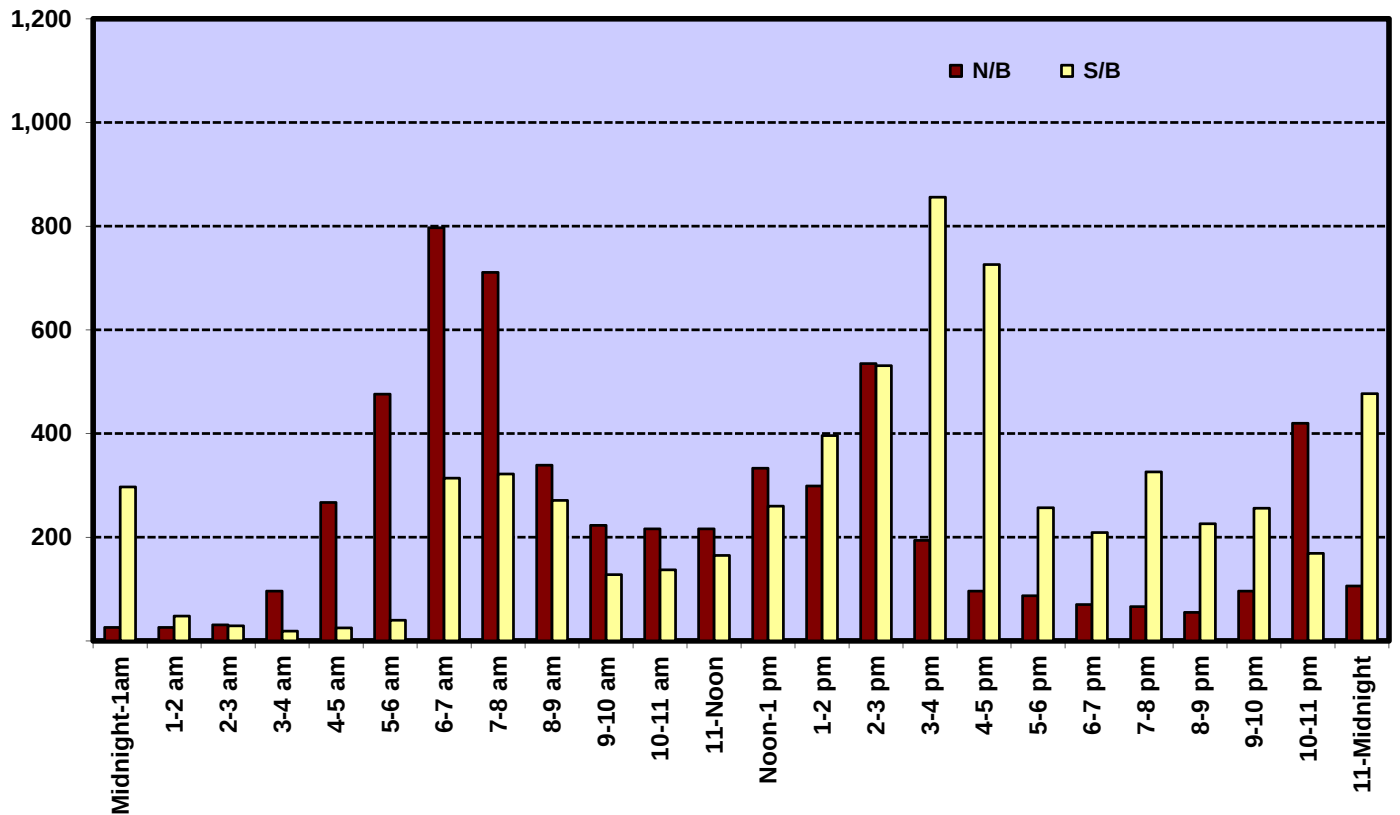
Hourly Vehicular Volumes Rikers Island Bridge - 2012

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	26	---	---	---	---	---	297
1-2am	---	---	---	---	---	26	---	---	---	---	---	48
2-3am	---	---	---	---	---	31	---	---	---	---	---	29
3-4am	---	---	---	---	---	96	---	---	---	---	---	19
4-5am	---	---	---	---	---	267	---	---	---	---	---	25
5-6am	---	---	---	---	---	476	---	---	---	---	---	40
6-7am	---	---	---	---	---	797 **	---	---	---	---	---	314
7-8am	590	8	3	38	72	711	279	19	10	10	4	322
8-9am	292	6	1	17	23	339	220	12	14	18	7	271
9-10am	155	22	1	20	25	223	92	10	3	18	5	128
10-11am	166	13	0	17	20	216	112	11	3	10	1	137
11-12am	152	12	2	23	27	216	108	17	11	20	9	165
12-1pm	290	14	1	10	18	333	226	10	11	8	5	260
1-2pm	256	23	1	7	12	299	345	15	19	12	5	396
2-3pm	472	12	1	15	35	535	461	13	25	21	11	531
3-4pm	173	7	1	4	9	194	800	15	25	15	1	856 **
4-5pm	82	6	1	2	5	96	673	10	27	16	0	726
5-6pm	70	7	1	0	9	87	232	7	13	2	3	257
6-7pm	45	15	2	4	4	70	177	6	22	4	0	209
7-8pm	---	---	---	---	---	66	---	---	---	---	---	326
8-9pm	---	---	---	---	---	55	---	---	---	---	---	226
9-10pm	---	---	---	---	---	96	---	---	---	---	---	256
10-11pm	---	---	---	---	---	420	---	---	---	---	---	169
11-12pm	---	---	---	---	---	106	---	---	---	---	---	477
Totals	---	---	---	---	---	5,781	---	---	---	---	---	6,484
7-10am	1,037	36	5	75	120	1,273	591	41	27	46	16	721
10am-1pm	608	39	3	50	65	765	446	38	25	38	15	562
1-4pm	901	42	3	26	56	1,028	1,606	43	69	48	17	1,783
4-7pm	197	28	4	6	18	253	1,082	23	62	22	3	1,192
7am-7pm	2,743	145	15	157	259	3,319	3,725	145	183	154	51	4,258
6-10am						2,070						1,035
3-7pm	370	35	5	10	27	447	1,882	38	87	37	4	2,048
6am-7pm						4,116						4,572
												8,688

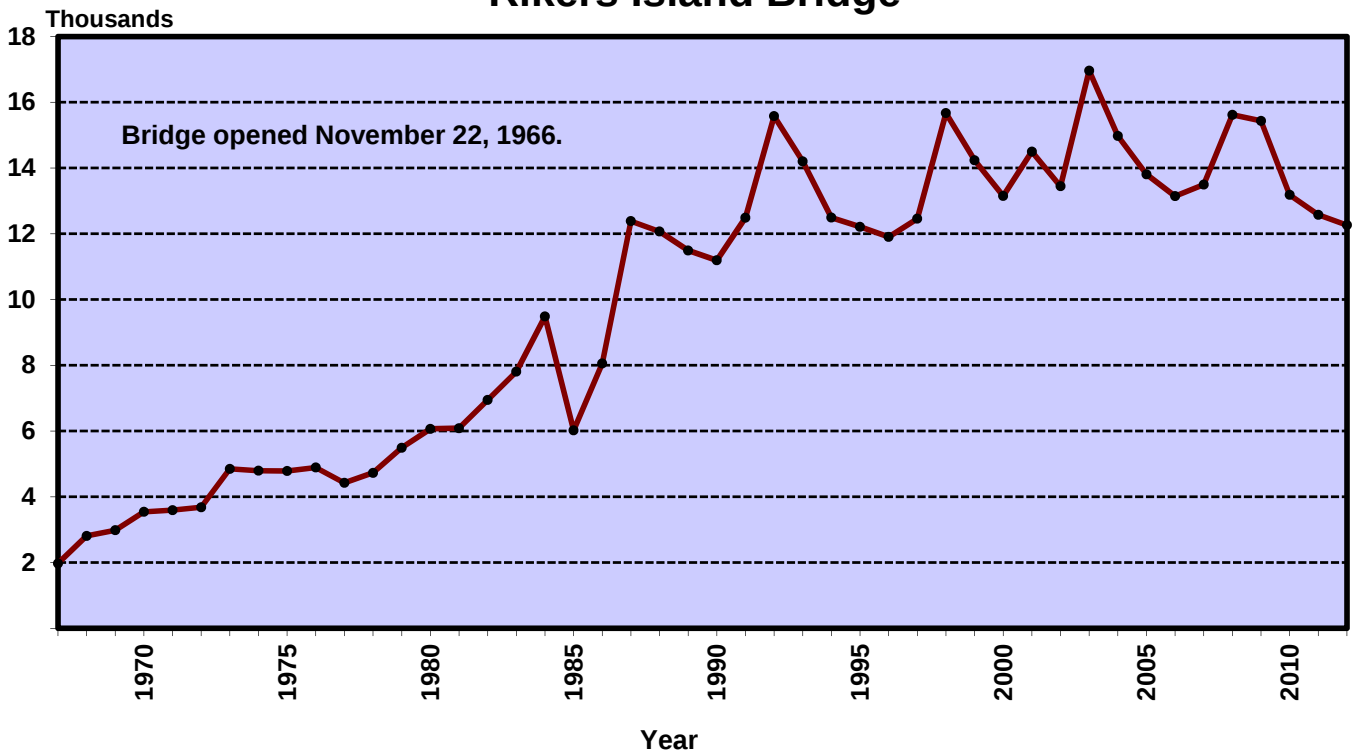
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Rikers Island Bridge ~ 2012



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

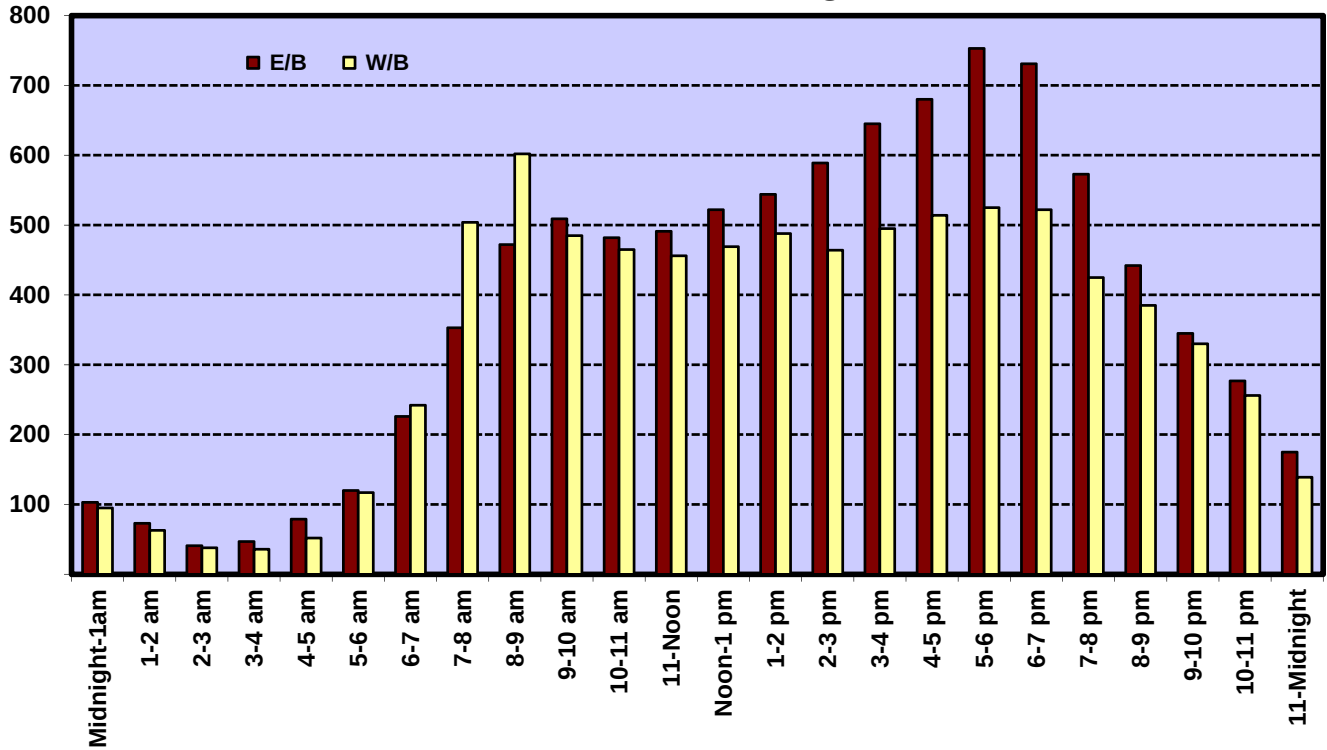


Hourly Vehicular Volumes

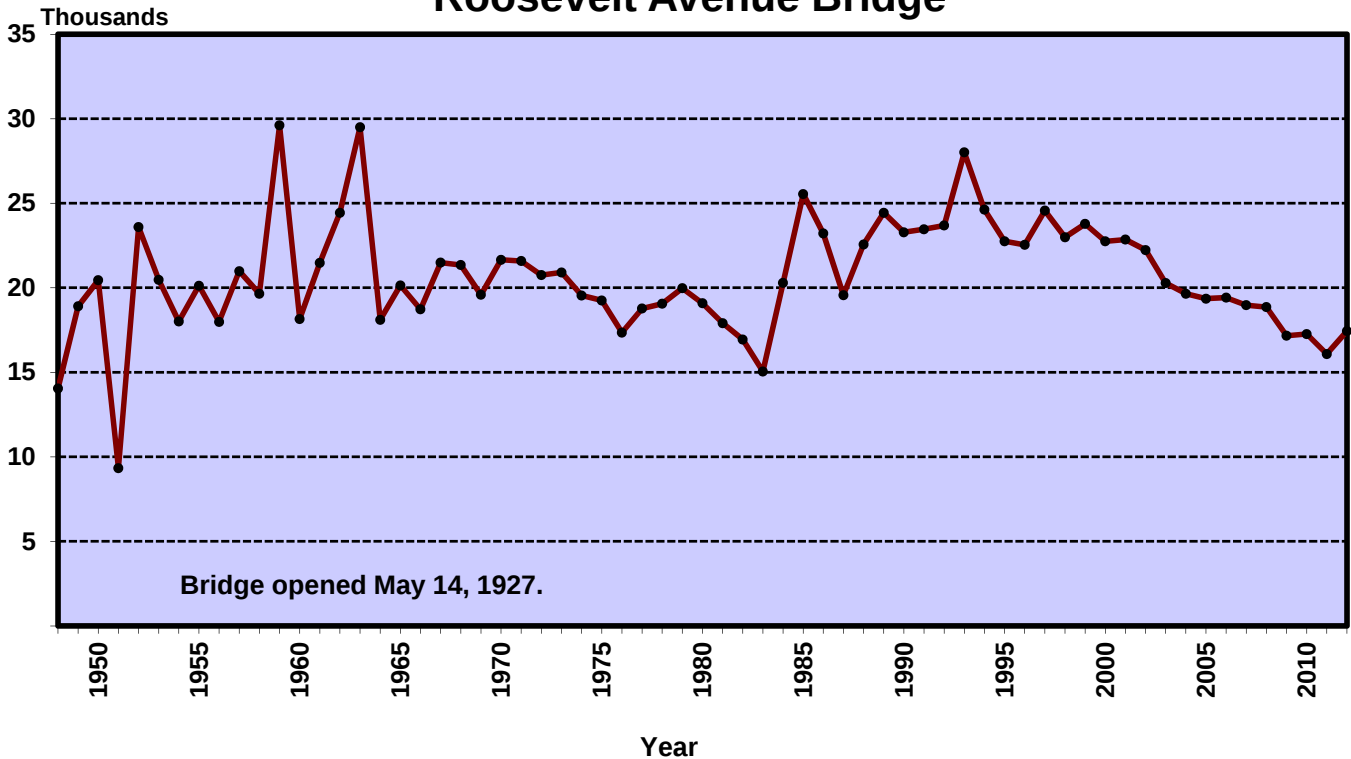
	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	103	---	---	---	---	---	95
1-2am	---	---	---	---	---	73	---	---	---	---	---	63
2-3am	---	---	---	---	---	41	---	---	---	---	---	38
3-4am	---	---	---	---	---	47	---	---	---	---	---	36
4-5am	---	---	---	---	---	79	---	---	---	---	---	52
5-6am	---	---	---	---	---	120	---	---	---	---	---	117
6-7am	---	---	---	---	---	226	---	---	---	---	---	242
7-8am	277	24	10	26	16	353	427	3	13	32	29	504
8-9am	370	15	10	37	40	472	532	15	9	18	28	602
9-10am	401	7	11	42	48	509	389	42	9	21	24	485
10-11am	421	6	10	20	25	482	434	7	2	16	6	465
11-12am	388	11	11	37	44	491	412	15	3	17	9	456
12-1pm	480	6	8	15	13	522	452	9	1	3	4	469
1-2pm	481	30	3	9	21	544	469	12	0	2	5	488
2-3pm	448	30	14	51	46	589	433	7	2	12	10	464
3-4pm	568	12	9	25	31	645	419	58	1	8	9	495
4-5pm	513	9	28	50	80	680	481	12	3	9	9	514
5-6pm	619	5	22	27	80	753	501	6	2	10	6	525
6-7pm	620	4	17	26	64	731	476	24	5	9	8	522
7-8pm	---	---	---	---	---	573	---	---	---	---	---	425
8-9pm	---	---	---	---	---	442	---	---	---	---	---	385
9-10pm	---	---	---	---	---	345	---	---	---	---	---	330
10-11pm	---	---	---	---	---	277	---	---	---	---	---	256
11-12pm	---	---	---	---	---	175	---	---	---	---	---	139
Totals	---	---	---	---	---	9,272	---	---	---	---	---	8,167
7-10am	1,048	46	31	105	104	1,334	1,348	60	31	71	81	1,591
10am-1pm	1,289	23	29	72	82	1,495	1,298	31	6	36	19	1,390
1-4pm	1,497	72	26	85	98	1,778	1,321	77	3	22	24	1,447
4-7pm	1,752	18	67	103	224	2,164	1,458	42	10	28	23	1,561
7am-7pm	5,586	159	153	365	508	6,771	5,425	210	50	157	147	5,989
6-10am						1,560						1,833
3-7pm	2,320	30	76	128	255	2,809	1,877	100	11	36	32	2,056
6am-7pm						6,997						6,231

** Peak Volumes

Hourly Vehicular Volumes Roosevelt Avenue Bridge ~ 2012



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



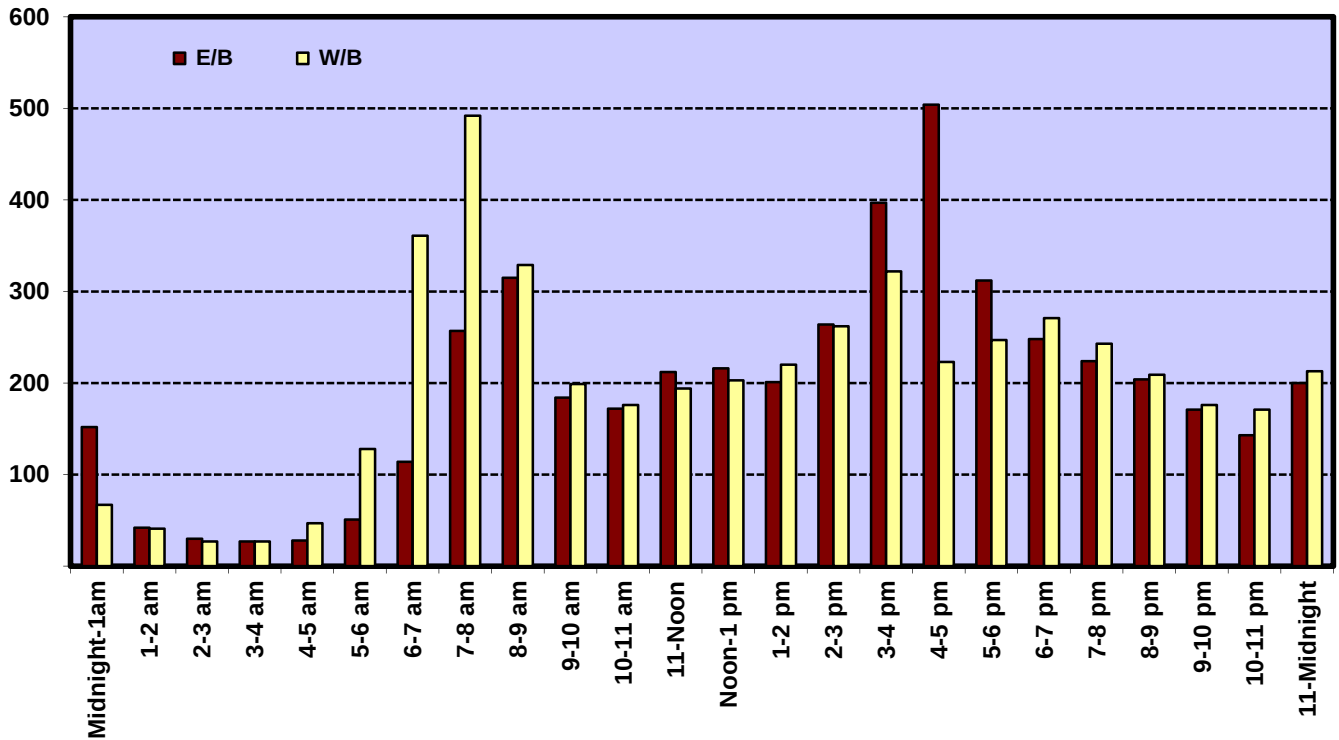
Hourly Vehicular Volumes Roosevelt Island Bridge - 2012

	Eastbound					Totals	Westbound					Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans		Autos	Buses	Commuter Vans	Trucks	Commercial Vans	
12-1am	---	---	---	---	---	152	---	---	---	---	---	67
1-2am	---	---	---	---	---	42	---	---	---	---	---	41
2-3am	---	---	---	---	---	30	---	---	---	---	---	27
3-4am	---	---	---	---	---	27	---	---	---	---	---	27
4-5am	---	---	---	---	---	28	---	---	---	---	---	47
5-6am	---	---	---	---	---	51	---	---	---	---	---	128
6-7am	---	---	---	---	---	114	---	---	---	---	---	361
7-8am	227	12	11	4	3	257	439	8	27	11	7	492 **
8-9am	251	17	21	17	9	315	308	4	2	11	4	329
9-10am	141	8	9	21	5	184	173	4	8	12	2	199
10-11am	152	2	4	9	5	172	151	5	1	11	8	176
11-12am	163	6	9	17	17	212	146	4	9	26	9	194
12-1pm	190	4	2	14	6	216	167	23	3	6	4	203
1-2pm	182	6	2	4	7	201	195	6	1	10	8	220
2-3pm	227	4	4	22	7	264	231	7	5	10	9	262
3-4pm	361	20	1	7	8	397	302	8	5	4	3	322
4-5pm	475	6	11	2	10	504 **	201	8	6	2	6	223
5-6pm	294	5	0	3	10	312	227	8	0	4	8	247
6-7pm	230	2	1	1	14	248	258	5	3	3	2	271
7-8pm	---	---	---	---	---	224	---	---	---	---	---	243
8-9pm	---	---	---	---	---	204	---	---	---	---	---	209
9-10pm	---	---	---	---	---	171	---	---	---	---	---	176
10-11pm	---	---	---	---	---	143	---	---	---	---	---	171
11-12pm	---	---	---	---	---	200	---	---	---	---	---	213
Totals	---	---	---	---	---	4,668	---	---	---	---	---	4,848
7-10am	619	37	41	42	17	756	920	16	37	34	13	1,020
10am-1pm	505	12	15	40	28	600	464	32	13	43	21	573
1-4pm	770	30	7	33	22	862	728	21	11	24	20	804
4-7pm	999	13	12	6	34	1,064	686	21	9	9	16	741
7am-7pm	2,893	92	75	121	101	3,282	2,798	90	70	110	70	3,138
6-10am						870						1,381
3-7pm	1,360	33	13	13	42	1,461	988	29	14	13	19	1,063
6am-7pm						3,396						3,499
												2,251
												2,524
												6,895

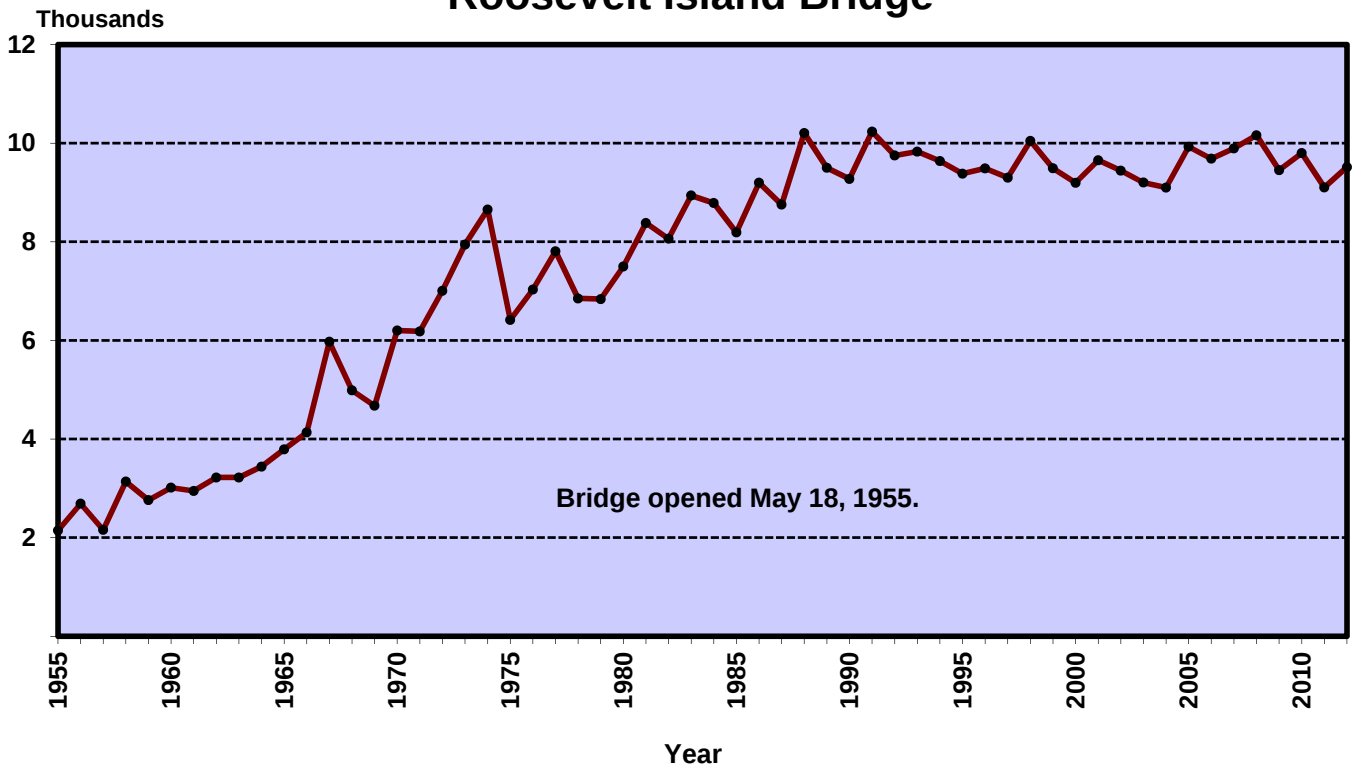
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Roosevelt Island Bridge ~ 2012



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



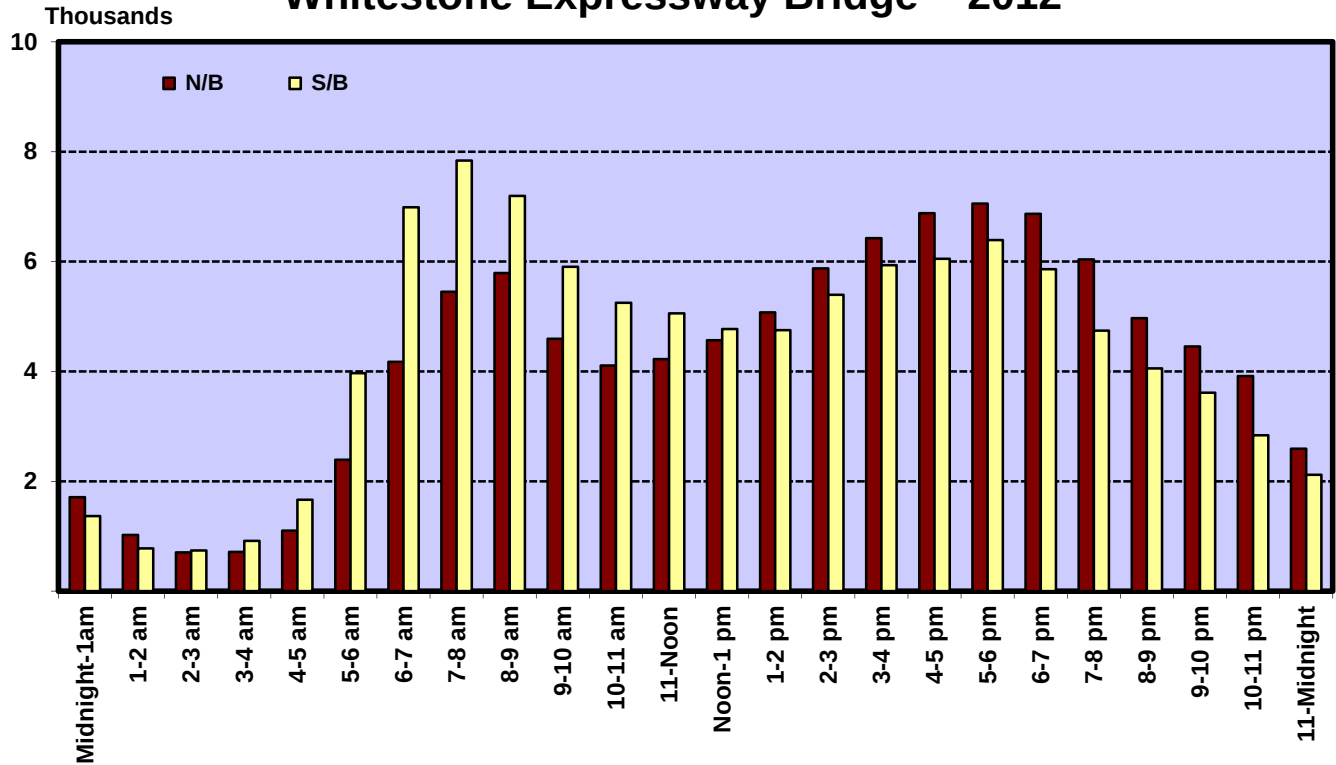
Hourly Vehicular Volumes Whitestone Expressway Bridge - 2012

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	1,711	---	---	---	---	---	1,366
1-2am	---	---	---	---	---	1,023	---	---	---	---	---	780
2-3am	---	---	---	---	---	706	---	---	---	---	---	742
3-4am	---	---	---	---	---	714	---	---	---	---	---	915
4-5am	---	---	---	---	---	1,103	---	---	---	---	---	1,665
5-6am	---	---	---	---	---	2,393	---	---	---	---	---	3,967
6-7am	---	---	---	---	---	4,176	---	---	---	---	---	6,989
7-8am	4,590	87	166	282	326	5,451	6,258	65	255	558	702	7,838 **
8-9am	4,812	75	287	382	236	5,792	5,973	77	204	508	434	7,196
9-10am	3,695	73	173	436	218	4,595	4,627	80	209	545	445	5,906
10-11am	3,591	37	85	245	150	4,108	4,758	22	118	223	127	5,248
11-12am	3,218	27	159	546	275	4,225	4,051	26	218	498	265	5,058
12-1pm	4,037	71	65	263	131	4,567	4,234	31	103	238	165	4,771
1-2pm	4,599	63	45	240	129	5,076	4,162	61	94	267	167	4,751
2-3pm	4,766	67	144	490	409	5,876	4,329	77	173	506	310	5,395
3-4pm	5,850	28	81	231	235	6,425	5,321	97	120	230	165	5,933
4-5pm	5,948	25	165	338	405	6,881	5,075	60	221	397	296	6,049
5-6pm	6,178	35	168	268	406	7,055 **	5,782	28	168	239	174	6,391
6-7pm	6,140	53	170	174	331	6,868	5,404	10	183	111	154	5,862
7-8pm	---	---	---	---	---	6,039	---	---	---	---	---	4,743
8-9pm	---	---	---	---	---	4,970	---	---	---	---	---	4,056
9-10pm	---	---	---	---	---	4,453	---	---	---	---	---	3,612
10-11pm	---	---	---	---	---	3,917	---	---	---	---	---	2,839
11-12pm	---	---	---	---	---	2,594	---	---	---	---	---	2,119
Totals	---	---	---	---	---	100,718	---	---	---	---	---	104,191
7-10am	13,097	235	626	1,100	780	15,838	16,858	222	668	1,611	1,581	20,940
10am-1pm	10,846	135	309	1,054	556	12,900	13,043	79	439	959	557	15,077
1-4pm	15,215	158	270	961	773	17,377	13,812	235	387	1,003	642	16,079
4-7pm	18,266	113	503	780	1,142	20,804	16,261	98	572	747	624	18,302
7am-7pm	57,424	641	1,708	3,895	3,251	66,919	59,974	634	2,066	4,320	3,404	70,398
6-10am						20,014						27,929
3-7pm	24,116	141	584	1,011	1,377	27,229	21,582	195	692	977	789	24,235
6am-7pm						71,095						77,387

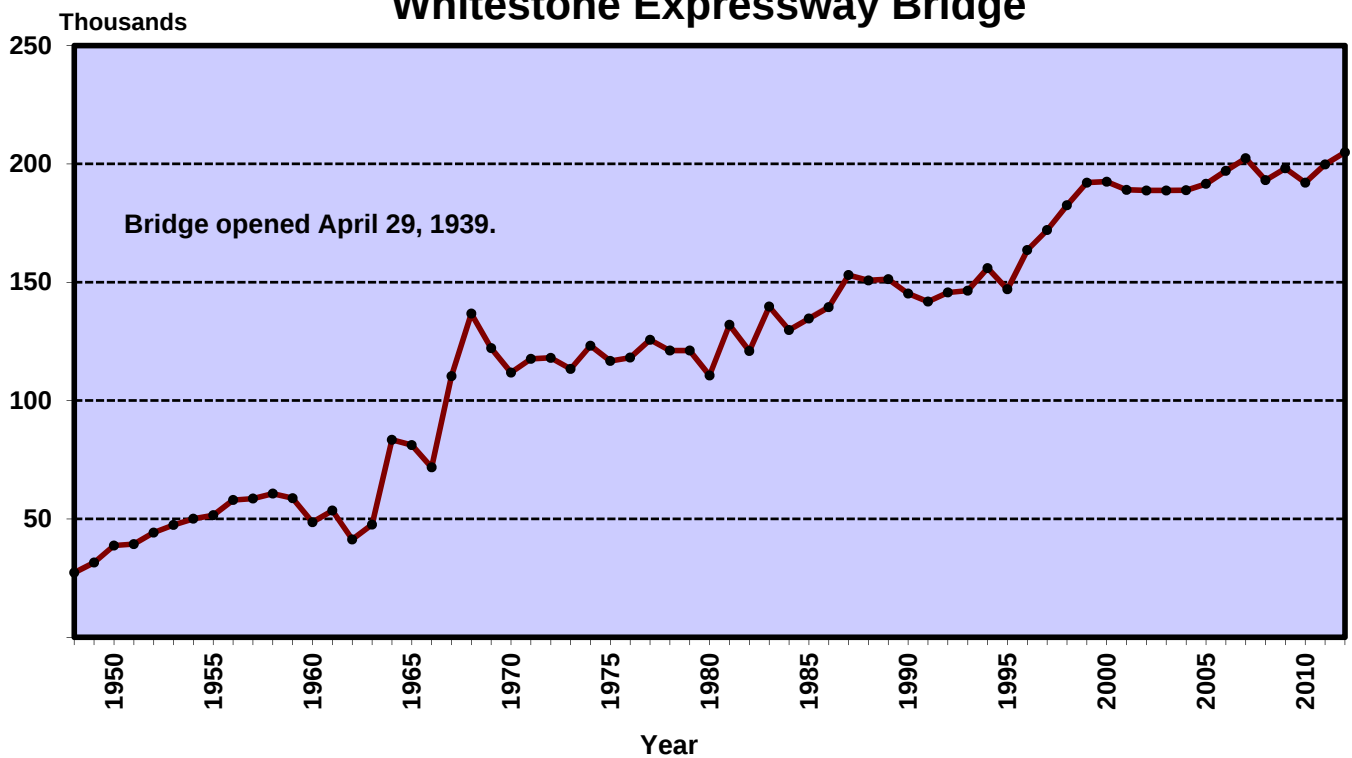
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Whitestone Expressway Bridge ~ 2012



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

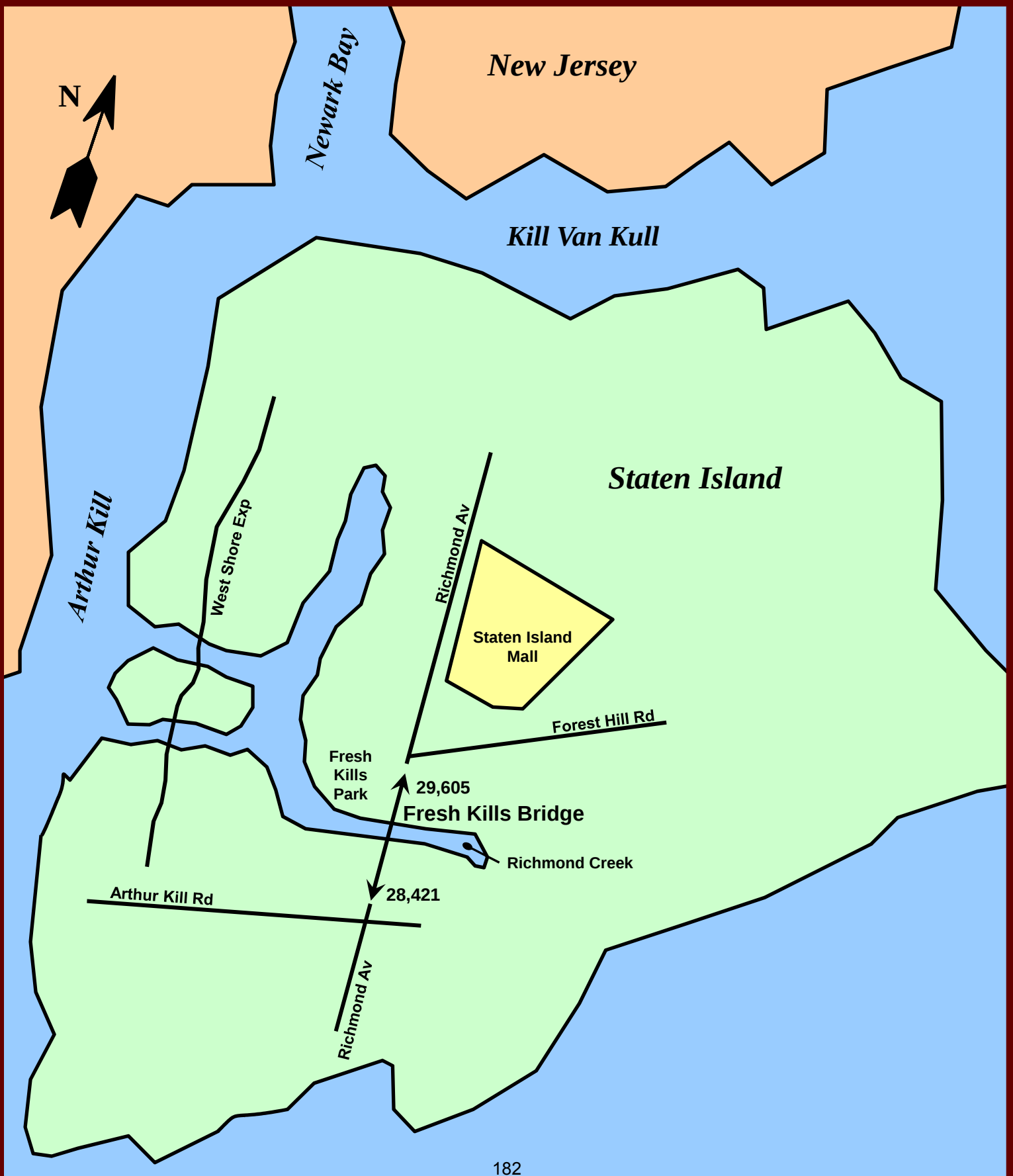


Staten Island ~ Fresh Kills Bridge



Staten Island ~ Fresh Kills Bridge

2012 Daily Volumes



Staten Island Bridges
Average Daily Traffic Volumes
1948 - 2012

<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

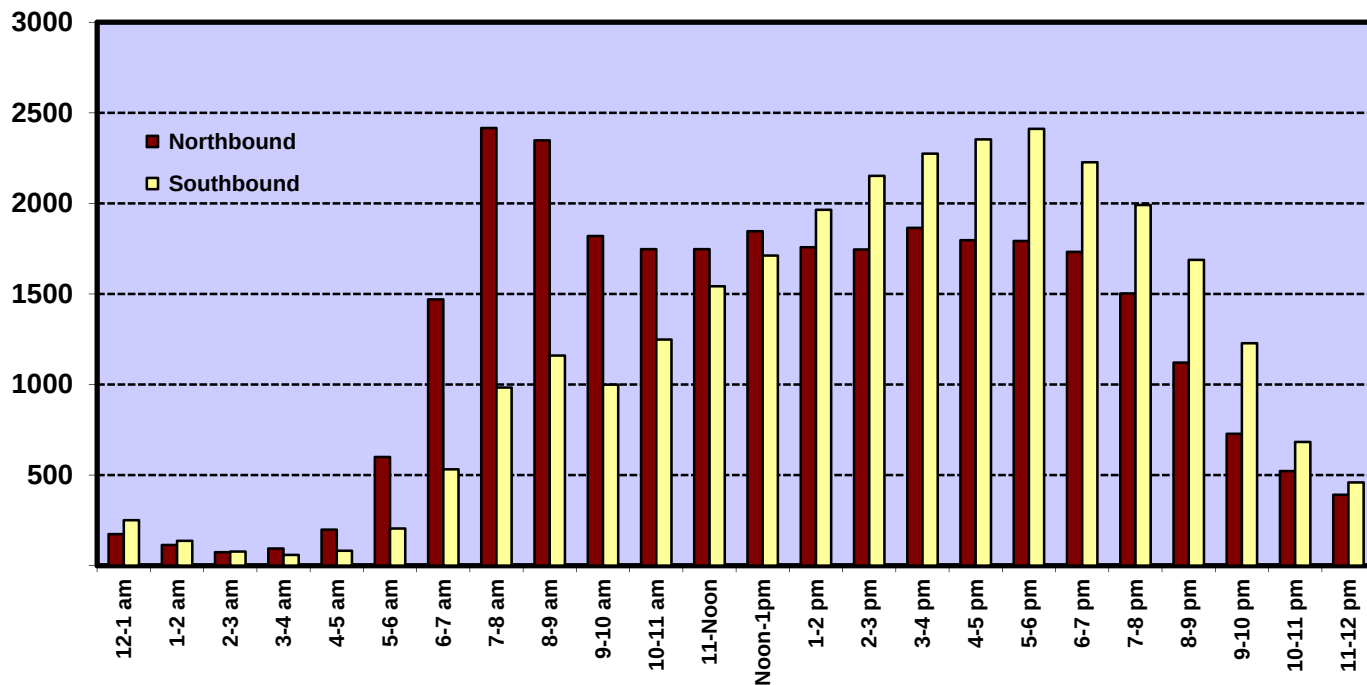
Hourly Vehicular Volumes Fresh Kills Bridge - 2012

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	174	---	---	---	---	---	251
1-2am	---	---	---	---	---	114	---	---	---	---	---	137
2-3am	---	---	---	---	---	74	---	---	---	---	---	78
3-4am	---	---	---	---	---	95	---	---	---	---	---	59
4-5am	---	---	---	---	---	199	---	---	---	---	---	82
5-6am	---	---	---	---	---	600	---	---	---	---	---	205
6-7am	---	---	---	---	---	1,470	---	---	---	---	---	532
7-8am	1,271	133	384	426	202	2,416 **	857	58	6	34	28	983
8-9am	1,008	221	436	533	150	2,348	1,033	22	4	67	34	1,160
9-10am	1,301	23	191	257	48	1,820	873	16	3	72	35	999
10-11am	1,526	34	68	100	19	1,747	1,165	14	0	44	25	1,248
11-12am	1,247	65	157	247	31	1,747	1,338	14	2	123	65	1,542
12-1pm	1,542	26	84	163	31	1,846	1,547	34	0	86	45	1,712
1-2pm	1,543	46	61	72	36	1,758	1,794	75	0	69	27	1,965
2-3pm	1,320	76	126	202	22	1,746	1,779	63	0	204	106	2,152
3-4pm	1,617	82	75	79	12	1,865	2,072	37	5	84	77	2,275
4-5pm	1,475	41	113	137	31	1,797	2,079	24	3	151	96	2,353
5-6pm	1,413	82	146	130	21	1,792	2,063	31	3	190	125	2,412 **
6-7pm	1,348	123	134	97	30	1,732	1,931	27	13	145	111	2,227
7-8pm	---	---	---	---	---	1,503	---	---	---	---	---	1,991
8-9pm	---	---	---	---	---	1,121	---	---	---	---	---	1,688
9-10pm	---	---	---	---	---	728	---	---	---	---	---	1,228
10-11pm	---	---	---	---	---	522	---	---	---	---	---	683
11-12pm	---	---	---	---	---	391	---	---	---	---	---	459
Totals	---	---	---	---	---	29,605	---	---	---	---	---	28,421
7-10am	3,580	377	1,011	1,216	400	6,584	2,763	96	13	173	97	9,726
10am-1pm	4,315	125	309	510	81	5,340	4,050	62	2	253	135	9,842
1-4pm	4,480	204	262	353	70	5,369	5,645	175	5	357	210	11,761
4-7pm	4,236	246	393	364	82	5,321	6,073	82	19	486	332	12,313
7am-7pm	16,611	952	1,975	2,443	633	22,614	18,531	415	39	1,269	774	43,642
6-10am												
3-7pm	5,853	328	468	443	94	8,054	8,145	119	24	570	409	3,674
6am-7pm												
						7,186						9,267
						24,084						21,560

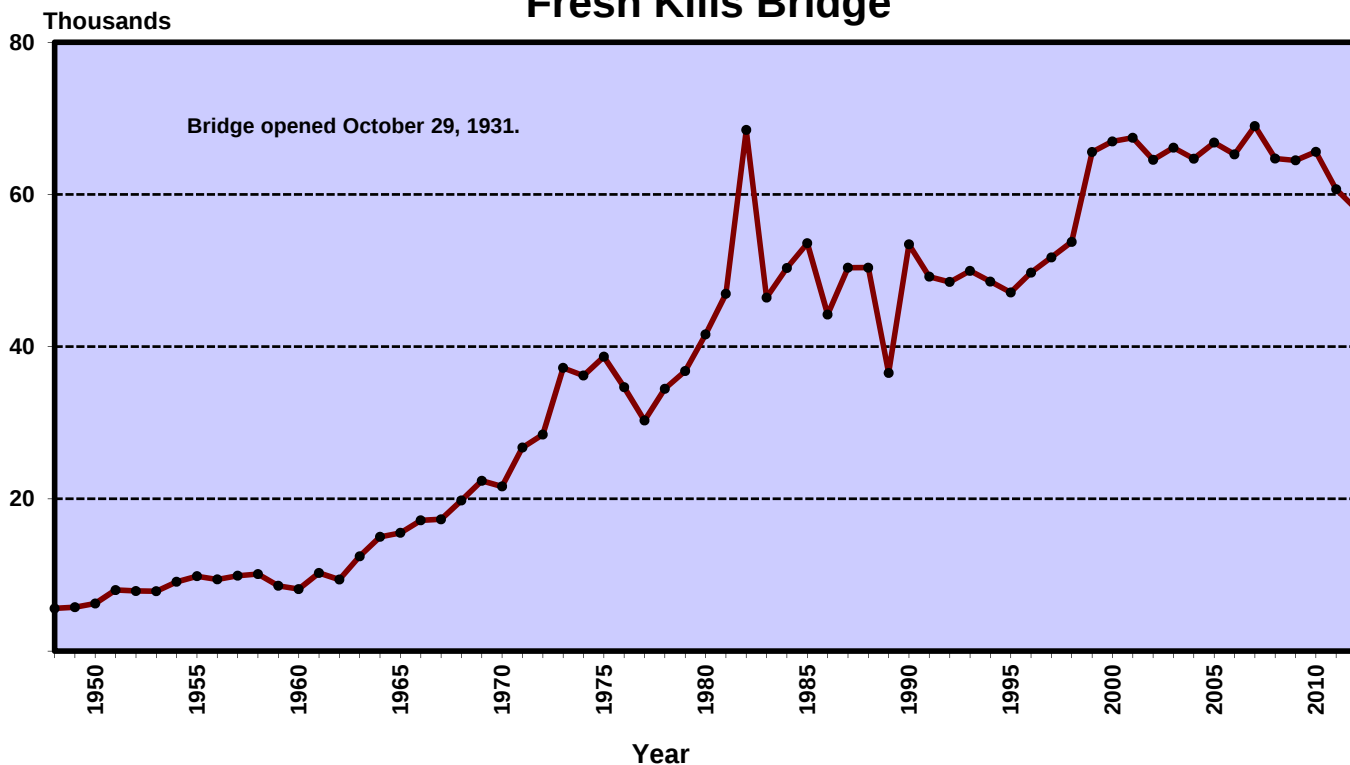
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Fresh Kills Bridge ~ 2012



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



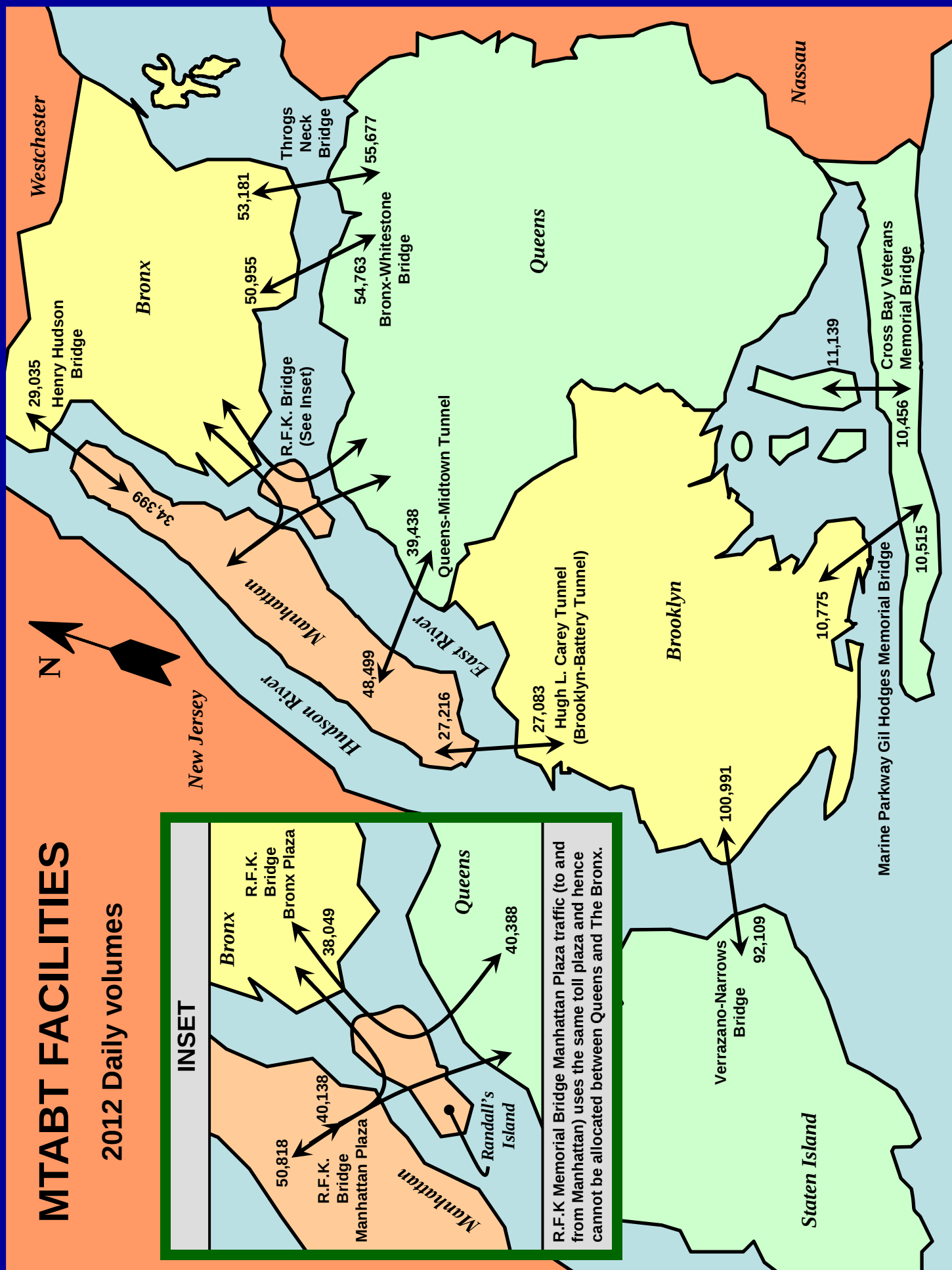
MTABT Facilities



Marine Parkway Gil Hodges Memorial Bridge

MTABT FACILITIES

2012 Daily volumes



MTABT Manhattan Facilities ~ Average Daily Traffic Volumes 1948 - 2012

Year	<i>Hugh L. Carey Tunnel</i>		<i>Robert F. Kennedy Memorial Bridge</i>		<i>Manhattan Totals</i>
	<i>Henry Hudson Bridge</i>	<i>(Brooklyn-Battery Tunnel)</i>	<i>Queens-Midtown Tunnel</i>	<i>Manh. Plz. (Triborough Bridge)</i>	
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

MTABT Toll Increases:

1/72, 9/75, 5/80, 4/82, 1/84, 1/86, 2/87, 7/89, 1/93, 3/96, 5/03, 3/05, 3/08, 7/09, & 12/10.

MTABT Outer Borough Bridges ~ Average Daily Traffic Volumes 1948 - 2012

Year	Robert F. Kennedy						
	Bronx-Whitestone Bridge	Cross Bay Veterans Memorial Bridge	Marine Parkway Gil Hodges Memorial Bridge	Memorial Bridge Bronx Plz. (Triborough Bridge)	Throgs Neck Bridge	Verrazano-Narrows Bridge	Outer Boroughs Totals
1948	33,343	11,421	10,216	25,997	Opened	Opened	80,977
1949	41,485	12,579	11,743	31,310	01/11/1961	11/21/1964	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

MTABT Toll Increases:

1/72, 9/75, 5/80, 4/82, 1/84, 1/86, 2/87, 7/89, 1/93, 3/96, 5/03, 3/05, 3/08, 7/09, & 12/10.

Hourly Vehicular Volumes

Metropolitan Transportation Authority Bridges & Tunnels

2012

	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	113	364	179	578	573	743	576	454	1,441	2,139
1-2am	57	160	112	245	274	378	245	251	688	1,034
2-3am	42	92	66	115	126	230	123	187	357	624
3-4am	46	58	53	76	139	171	106	205	344	510
4-5am	112	59	168	70	284	391	239	495	803	1,015
5-6am	508	123	741	162	1,029	765	896	958	3,174	2,008
6-7am	2,144	539	2,081	381	2,413	1,333	2,836	1,556	9,474	3,809
7-8am	3,542 **	1,331	2,953	696	3,611	1,383	4,239 **	1,996	14,345	5,406
8-9am	3,156	1,762	3,234 **	840	4,285 **	1,311	4,096	2,167	14,771 **	6,080
9-10am	2,435	1,072	2,476	845	3,997	1,275	3,648	1,965	12,556	5,157
10-11am	1,965	967	1,645	708	2,970	1,590	3,252	1,797	9,832	5,062
11-12am	1,823	997	1,307	881	2,804	1,817	2,784	1,990	8,718	5,685
12-1pm	1,561	1,088	1,339	1,045	2,452	2,090	2,448	2,094	7,800	6,317
1-2pm	1,458	1,265	1,287	1,319	2,379	2,407	2,473	2,264	7,597	7,255
2-3pm	1,689	1,610	1,376	1,458	2,451	2,766	2,761	2,532	8,277	8,366
3-4pm	2,256	2,133	1,477	2,057	2,661	2,956	3,085	3,020	9,479	10,166
4-5pm	2,449	2,472	1,342	2,532 **	2,894	2,987 **	2,977	3,194 **	9,662	11,185
5-6pm	2,734	2,832 **	1,297	2,830 **	3,042	2,881	3,201	2,906	10,274	11,449 **
6-7pm	2,432	2,744	1,192	2,488	2,663	2,605	3,073	2,476	9,360	10,313
7-8pm	1,458	2,163	857	2,390	2,191	2,243	2,300	2,226	6,806	9,022
8-9pm	967	1,595	659	1,782	1,678	2,067	1,777	1,763	5,081	7,207
9-10pm	710	1,526	441	1,744	1,432	2,104	1,479	1,553	4,062	6,927
10-11pm	484	1,310	583	1,025	1,242	1,788	1,312	1,260	3,621	5,383
11-12pm	258	773	351	816	909	1,157	892	829	2,410	3,575
Totals	34,399	29,035	27,216	27,083	48,499	39,438	50,818	40,138	160,932	135,694
7-10am	9,133	4,165	8,663	2,381	11,893	3,969	11,983	6,128	41,672	16,643
10am-1pm	5,349	3,052	4,291	2,634	8,226	5,497	8,484	5,881	26,350	17,064
1-4pm	5,403	5,008	4,140	4,834	7,491	8,129	8,319	7,816	25,353	25,787
4-7pm	7,615	8,048	3,831	7,850	8,599	8,473	9,251	8,576	29,296	32,947
7am-7pm	27,500	20,273	20,925	17,699	36,209	26,068	38,037	28,401	122,671	92,441
6-10am	11,277	4,704	10,744	2,762	14,306	5,302	14,819	7,684	51,146	20,452
3-7pm	9,871	10,181	5,308	9,907	11,260	11,429	12,336	11,596	38,775	43,113
6am-7pm	29,644	20,812	23,006	18,080	38,622	27,401	40,873	29,957	132,145	96,250

** Peak Volumes

Hourly Vehicular Volumes

Metropolitan Transportation Authority Bridges & Tunnels

2012

	Cross Bay				Marine Parkway				Robert F. Kennedy				Verrazano-Narrows			
	Veterans Memorial Bridge				Gil Hodges Memorial Bridge				Memorial Bridge (Triborough Bridge)				Throgs Neck Bridge			
	N/B	S/B	N/B	S/B	N/B	S/B	N/B	S/B	N/B	S/B	N/B	S/B	N/B	S/B	E/B	W/B
12-1am	772	564	68	166	38	125	605	456	665	499	2,016	1,071	978	1,215	2,612	1,578
1-2am	465	400	49	83	29	56	351	275	439	323	4,320	2,364	3,362	2,713	1,354	896
2-3am	318	340	36	53	20	34	262	243	311	255	4,902 **	3,093	8,259	3,849	736	634
3-4am	358	416	48	41	21	24	276	316	311	354	4,224	3,007	9,610 **	4,471	595	487
4-5am	590	861	147	44	67	39	492	601	520	648	2,290	2,600	7,827	4,044	607	652
5-6am	1,459	1,855	439	126	283	104	954	1,351	1,071	2,016	2,290	2,600	978	1,215	978	1,215
6-7am	2,903	3,168	991	361	794	321	1,787	2,732 **	4,320	4,320	2,290	2,600	3,362	2,713	3,362	2,713
7-8am	3,726	3,331	1,361 **	572	1,616 **	419	2,950 **	2,698	4,902 **	4,902 **	2,698	3,093	8,259	3,849	8,259	3,849
8-9am	3,955 **	3,147	927	463	1,059	448	2,788	2,420	4,224	4,224	2,420	3,007	9,610 **	4,471	9,610 **	4,471
9-10am	3,067	2,754	630	420	776	396	2,323	2,290	3,715	3,715	2,290	2,600	7,827	4,044	7,827	4,044
10-11am	2,404	2,693	504	391	569	371	1,970	2,134	3,087	3,087	2,134	2,535	6,002	3,689	6,002	3,689
11-12am	2,193	2,519	533	375	508	401	1,815	1,952	2,707	2,707	1,952	2,338	4,786	3,694	4,786	3,694
12-1pm	2,119	2,542	517	412	480	406	1,831	1,961	2,291	2,291	1,961	2,396	4,228	3,946	4,228	3,946
1-2pm	2,346	2,746	534	505	495	522	1,837	1,982	2,390	2,390	1,982	2,635	4,019	4,492	4,019	4,492
2-3pm	2,712	2,985	657	663	525	641	2,041	2,189	2,603	2,603	2,189	3,471	4,234	5,708	4,234	5,708
3-4pm	3,158	3,577	741	812	653	942	2,411	2,564	2,636	2,636	2,564	4,649 **	4,704	7,400	4,704	7,400
4-5pm	3,195	3,656	634	872	636	1,013	2,459	2,650	2,915	2,915	2,650	4,539	5,627	8,030 **	5,627	8,030 **
5-6pm	3,092	3,823 **	572	902 **	602	1,025 **	2,359	2,601	2,984	2,984	2,601	4,550	6,001	7,774	6,001	7,774
6-7pm	2,793	3,616	512	860	526	966	2,230	2,365	2,973	2,973	2,365	4,141	5,999	7,447	5,999	7,447
7-8pm	2,413	3,239	391	750	383	734	1,757	1,947	2,295	2,295	1,947	3,160	5,296	5,948	5,296	5,948
8-9pm	2,165	2,460	287	590	262	584	1,415	1,457	1,728	1,728	1,457	2,270	4,305	4,687	4,305	4,687
9-10pm	1,865	1,767	230	429	190	440	1,224	1,189	1,457	1,457	1,189	1,790	3,492	3,709	3,492	3,709
10-11pm	1,649	1,385	188	342	145	318	1,079	1,186	1,118	1,118	1,186	1,626	3,212	2,856	3,212	2,856
11	1,248	919	143	224	98	186	833	829	741	741	829	1,196	3,146	2,190	3,146	2,190
Totals	50,955	54,763	11,139	10,456	10,775	10,515	38,049	40,388	53,181	55,677	100,991	92,109	100,991	92,109	100,991	92,109

** Peak Volumes

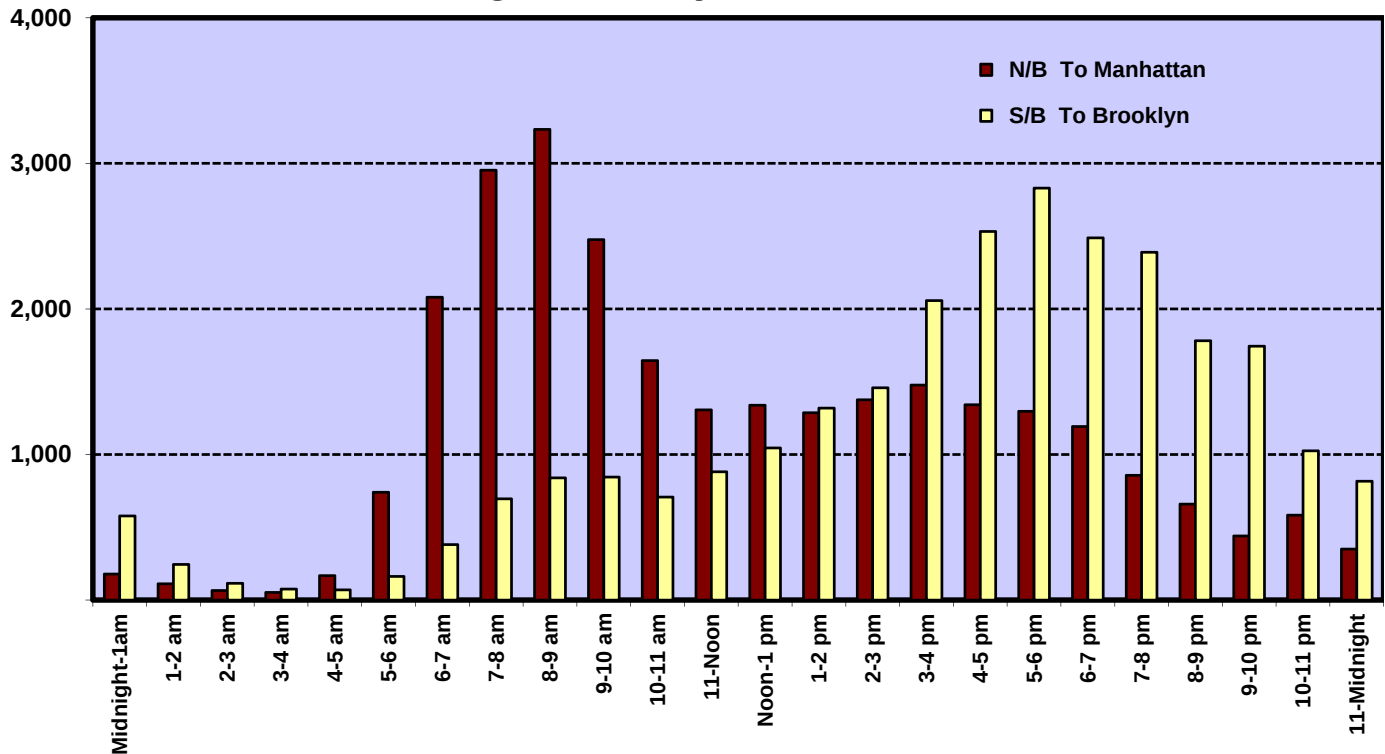
Hourly Vehicular Volumes Hugh L. Carey Tunnel (Brooklyn-Battery Tunnel) - 2012

Northbound to Manhattan															Southbound to Brooklyn															2-Way Grand Totals
FHWA Classes ▶	Commuter Vans						Commercial Vans						Total Vehicles	Commuter Vans						Commercial Vans						Total Vehicles				
	Autos & Motorcycles	Pickups	Large SUVs	Buses	Single Trucks	Tractor Trailers	Autos & Motorcycles	Pickups	Large SUVs	Buses	Single Trucks	Tractor Trailers		Autos & Motorcycles	Pickups	Large SUVs	Buses	Single Trucks	Tractor Trailers											
	1 & 2	3	4	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	525	12	35	6	0	578	757																	
1-2am	97	5	8	2	0	112	234	0	10	1	0	245	357																	
2-3am	59	0	4	3	0	66	110	1	3	1	0	115	181																	
3-4am	45	1	5	2	0	53	74	0	0	2	0	76	129																	
4-5am	109	6	41	12	0	168	65	0	4	1	0	70	238																	
5-6am	668	7	59	7	0	741	144	2	11	5	0	162	903																	
6-7am	1,857	13	187	24	0	2,081	283	6	80	12	0	381	2,462																	
7-8am	2,592	16	306	39	0	2,953	502	8	168	18	0	696	3,649																	
8-9am	2,827	16	352	39	0	3,234	613	7	200	20	0	840	4,074																	
9-10am	2,260	18	161	37	0	2,476	649	8	165	23	0	845	3,321																	
10-11am	1,497	20	83	44	1	1,645	619	8	66	15	0	708	2,353																	
11-12am	1,211	11	54	30	1	1,307	795	8	60	18	0	881	2,188																	
12-1pm	1,232	14	65	28	0	1,339	961	12	53	19	0	1,045	2,384																	
1-2pm	1,164	11	79	33	0	1,287	1,190	14	85	30	0	1,319	2,606																	
2-3pm	1,237	10	104	25	0	1,376	1,334	15	83	26	0	1,458	2,834																	
3-4pm	1,319	6	140	12	0	1,477	1,875	14	143	25	0	2,057	3,534																	
4-5pm	1,170	4	158	9	1	1,342	2,296	7	207	22	0	2,532	3,874																	
5-6pm	1,155	3	130	6	3	1,297	2,517	7	289	16	1	2,830	4,127																	
6-7pm	1,107	3	74	7	1	1,192	2,285	6	185	11	1	2,488	3,680																	
7-8pm	814	1	39	3	0	857	2,253	6	122	9	0	2,390	3,247																	
8-9pm	625	4	25	5	0	659	1,664	8	100	10	0	1,782	2,441																	
9-10pm	419	1	19	2	0	441	1,648	5	73	18	0	1,744	2,185																	
10-11pm	553	1	26	3	0	583	984	5	28	8	0	1,025	1,608																	
11-12pm	311	0	29	11	0	351	770	6	32	8	0	816	1,167																	
Totals	24,481	177	2,158	393	7	27,216	24,390	165	2,202	324	2	27,083	54,299																	
7-10am	7,679	50	819	115	0	8,663	1,764	23	533	61	0	2,381	11,044																	
10am-1pm	3,940	45	202	102	2	4,291	2,375	28	179	52	0	2,634	6,925																	
1-4pm	3,720	27	323	70	0	4,140	4,399	43	311	81	0	4,834	8,974																	
4-7pm	3,432	10	362	22	5	3,831	7,098	20	681	49	2	7,850	11,681																	
7am-7pm	18,771	132	1,706	309	7	20,925	15,636	114	1,704	243	2	17,699	38,624																	
6-10am	9,536	63	1,006	139	0	10,744	2,047	29	613	73	0	2,762	13,506																	
3-7pm	4,751	16	502	34	5	5,308	8,973	34	824	74	2	9,907	15,215																	
7am-7pm	20,628	145	1,893	333	7	23,006	15,919	120	1,784	255	2	18,080	41,086																	

Based on May 2006 Classification Survey Data.

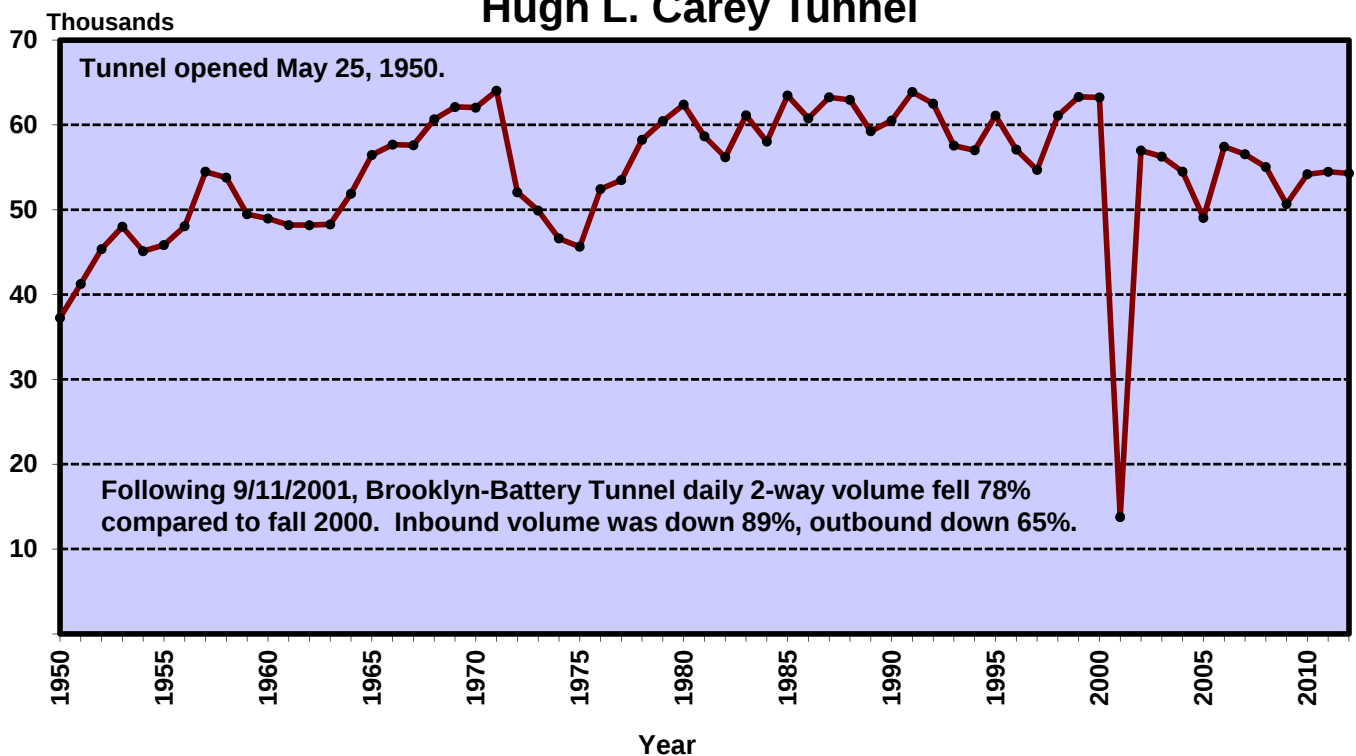
** Peak Volumes

Hourly Vehicular Volumes Hugh L. Carey Tunnel ~ 2012



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



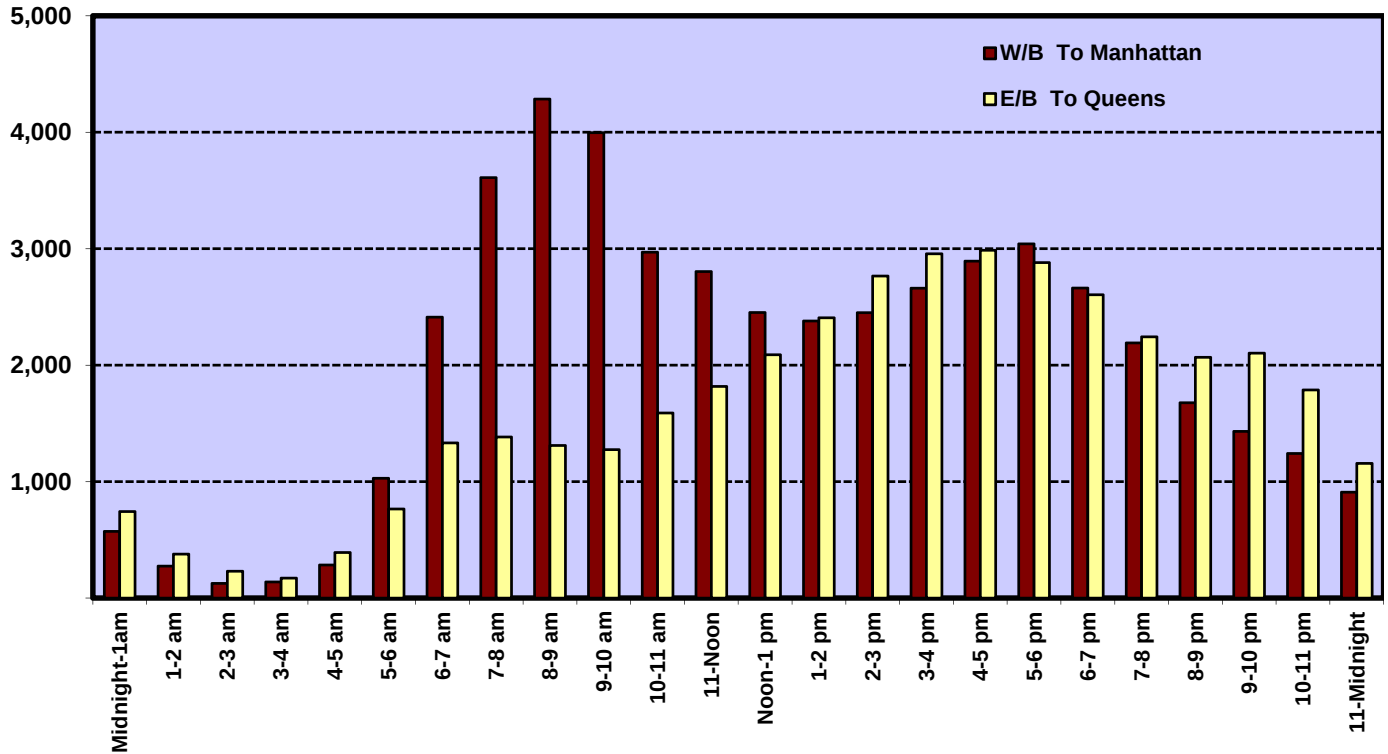
Hourly Vehicular Volumes Queens-Midtown Tunnel - 2012

Westbound to Manhattan										Eastbound to Queens										2-Way Grand Totals
FHWA Classes ▶	Commuter Vans					Single Unit Trucks	Tractor Trailers	Total Vehicles	Commuter Vans					Single Unit Trucks	Tractor Trailers	Total Vehicles				
	Autos & Motorcycles	Pickups	Large SUVs	Buses	1 & 2				3	4	5 - 7	8 - 13	Autos & Motorcycles				Pickups	Large SUVs	Buses	
12-1am	554	2	4	13	0	573			717	7	1	18	0	743	1,316					
1-2am	261	2	1	10	0	274			360	4	0	14	0	378	652					
2-3am	117	1	1	7	0	126			215	5	0	10	0	230	356					
3-4am	125	1	3	10	0	139			153	8	0	10	0	171	310					
4-5am	229	5	15	35	0	284			322	27	3	38	1	391	675					
5-6am	897	10	51	71	0	1,029			681	20	12	52	0	765	1,794					
6-7am	2,062	85	152	114	0	2,413			1,208	36	52	37	0	1,333	3,746					
7-8am	3,112	128	228	142	1	3,611			1,229	53	66	35	0	1,383	4,994					
8-9am	3,853	121	151	160	0	4,285	**		1,145	42	79	45	0	1,311	5,596					
9-10am	3,603	101	180	109	4	3,997			1,118	48	65	44	0	1,275	5,272					
10-11am	2,696	83	100	89	2	2,970			1,379	64	77	70	0	1,590	4,560					
11-12am	2,600	70	66	68	0	2,804			1,614	61	78	64	0	1,817	4,621					
12-1pm	2,275	37	56	84	0	2,452			1,871	67	58	94	0	2,090	4,542					
1-2pm	2,169	68	71	71	0	2,379			2,138	109	61	99	0	2,407	4,786					
2-3pm	2,225	59	112	55	0	2,451			2,565	79	47	75	0	2,766	5,217					
3-4pm	2,366	55	173	67	0	2,661			2,734	66	68	88	0	2,956	5,617					
4-5pm	2,645	36	176	37	0	2,894		**	2,754	82	70	81	0	2,987	5,881					
5-6pm	2,857	20	140	25	0	3,042			2,717	46	74	44	0	2,881	5,923					
6-7pm	2,545	18	75	25	0	2,663			2,476	31	59	39	0	2,605	5,268					
7-8pm	2,111	14	50	16	0	2,191			2,140	22	60	21	0	2,243	4,434					
8-9pm	1,596	21	30	31	0	1,678			1,964	24	39	40	0	2,067	3,745					
9-10pm	1,377	13	17	25	0	1,432			2,018	21	22	42	1	2,104	3,536					
10-11pm	1,190	8	13	31	0	1,242			1,724	18	10	36	0	1,788	3,030					
11-12pm	881	8	4	16	0	909			1,127	3	3	24	0	1,157	2,066					
Totals	44,346	966	1,869	1,311	7	48,499			36,369	943	1,004	1,120	2	39,438	87,937					
7-10am	10,568	350	559	411	5	11,893			3,492	143	210	124	0	3,969	15,862					
10am-1pm	7,571	190	222	241	2	8,226			4,864	192	213	228	0	5,497	13,723					
1-4pm	6,760	182	356	193	0	7,491			7,437	254	176	262	0	8,129	15,620					
4-7pm	8,047	74	391	87	0	8,599			7,947	159	203	164	0	8,473	17,072					
7am-7pm	32,946	796	1,528	932	7	36,209			23,740	748	802	778	0	26,068	62,277					
6-10am	12,630	435	711	525	5	14,306			4,700	179	262	161	0	5,302	19,608					
3-7pm	10,413	129	564	154	0	11,260			10,681	225	271	252	0	11,429	22,689					
7am-7pm	35,008	881	1,680	1,046	7	38,622			24,948	784	854	815	0	27,401	66,023					

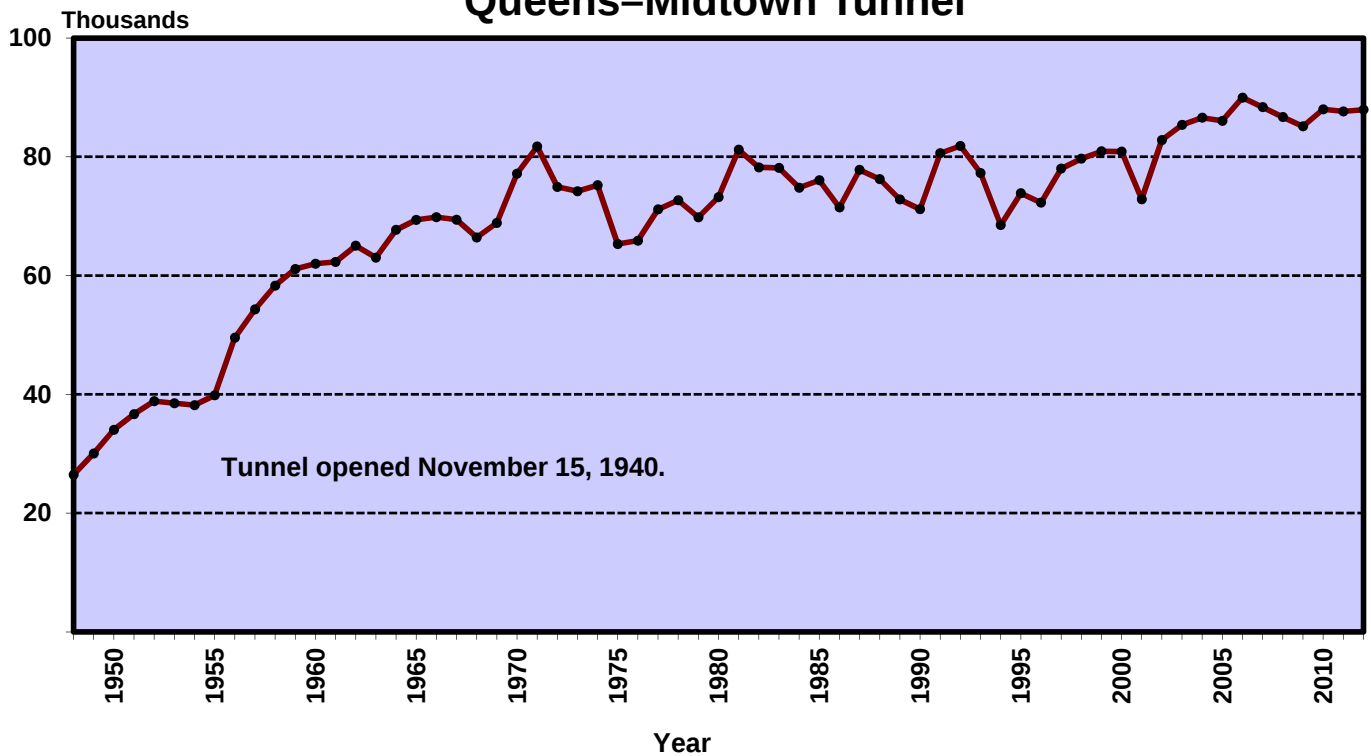
Based on May 2006 Classification Survey Data.

** Peak Volumes

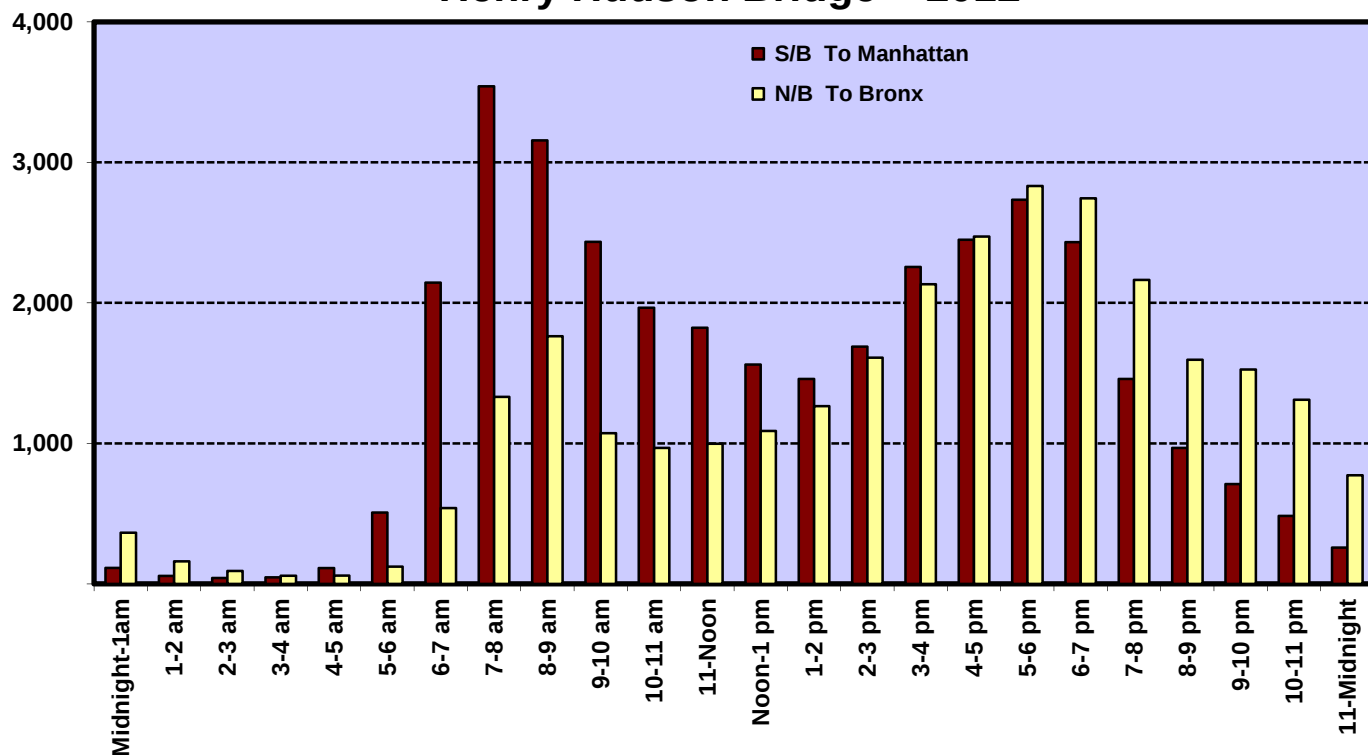
Hourly Vehicular Volumes Queens-Midtown Tunnel ~ 2012



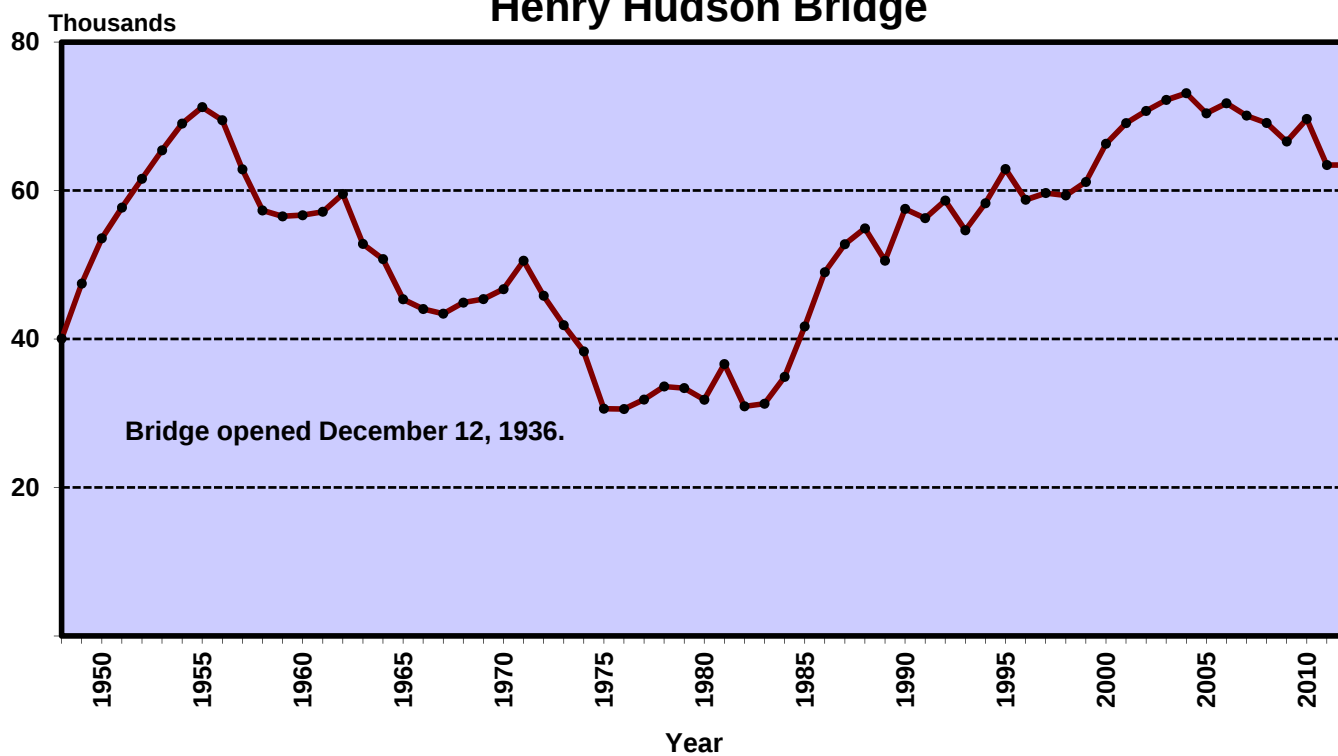
Average Daily Traffic Volumes ~ Total of Both Directions Queens-Midtown Tunnel



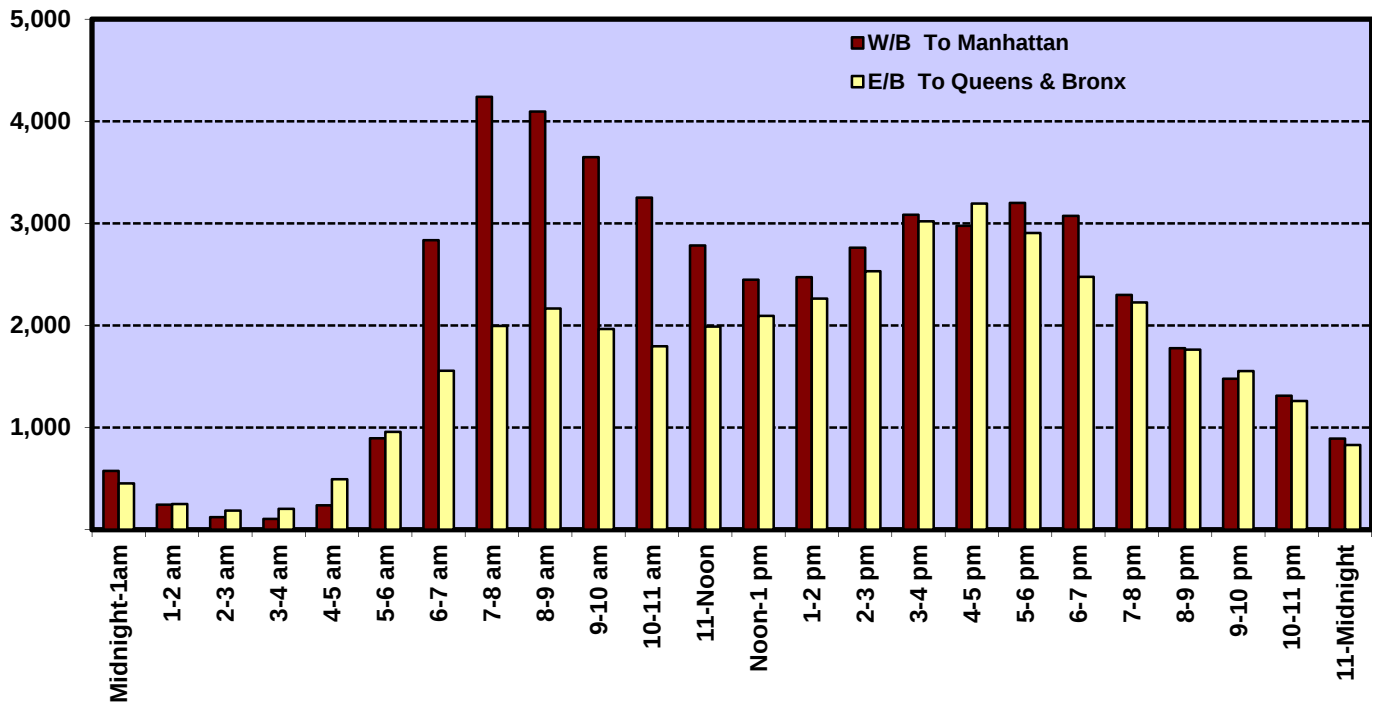
Hourly Vehicular Volumes Henry Hudson Bridge ~ 2012



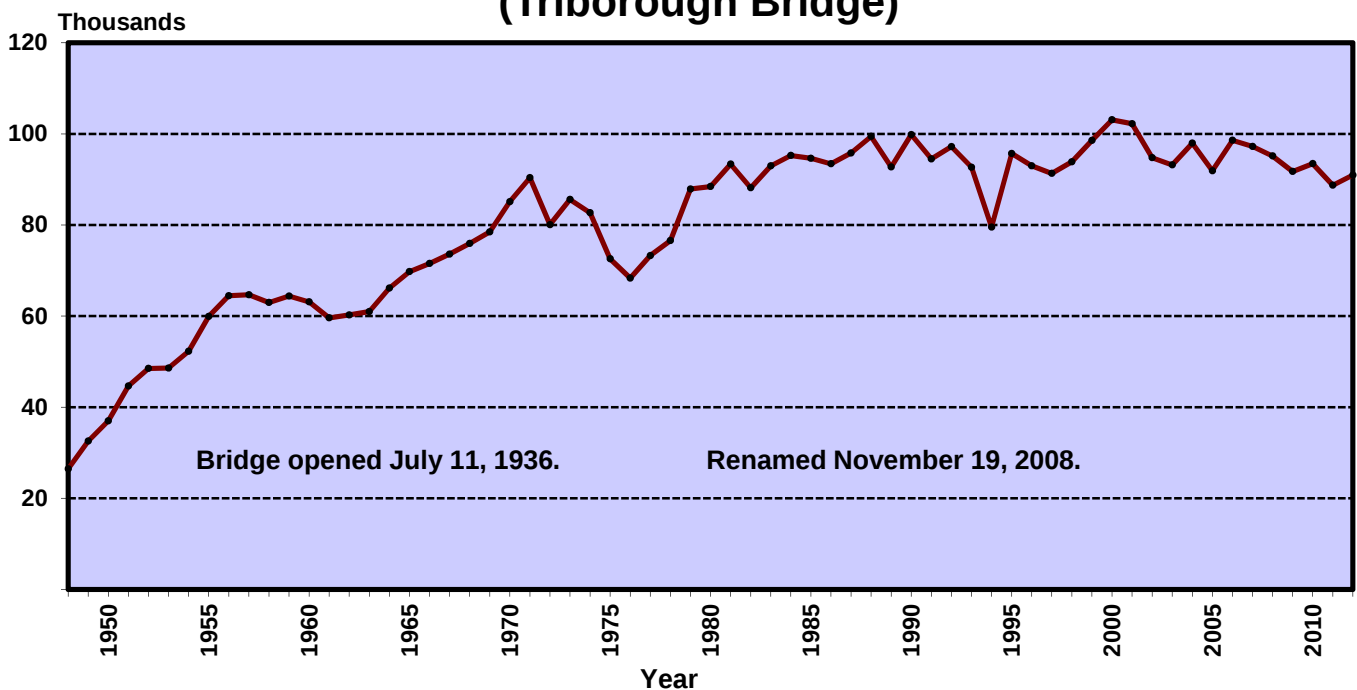
Average Daily Traffic Volumes ~ Total of Both Directions Henry Hudson Bridge



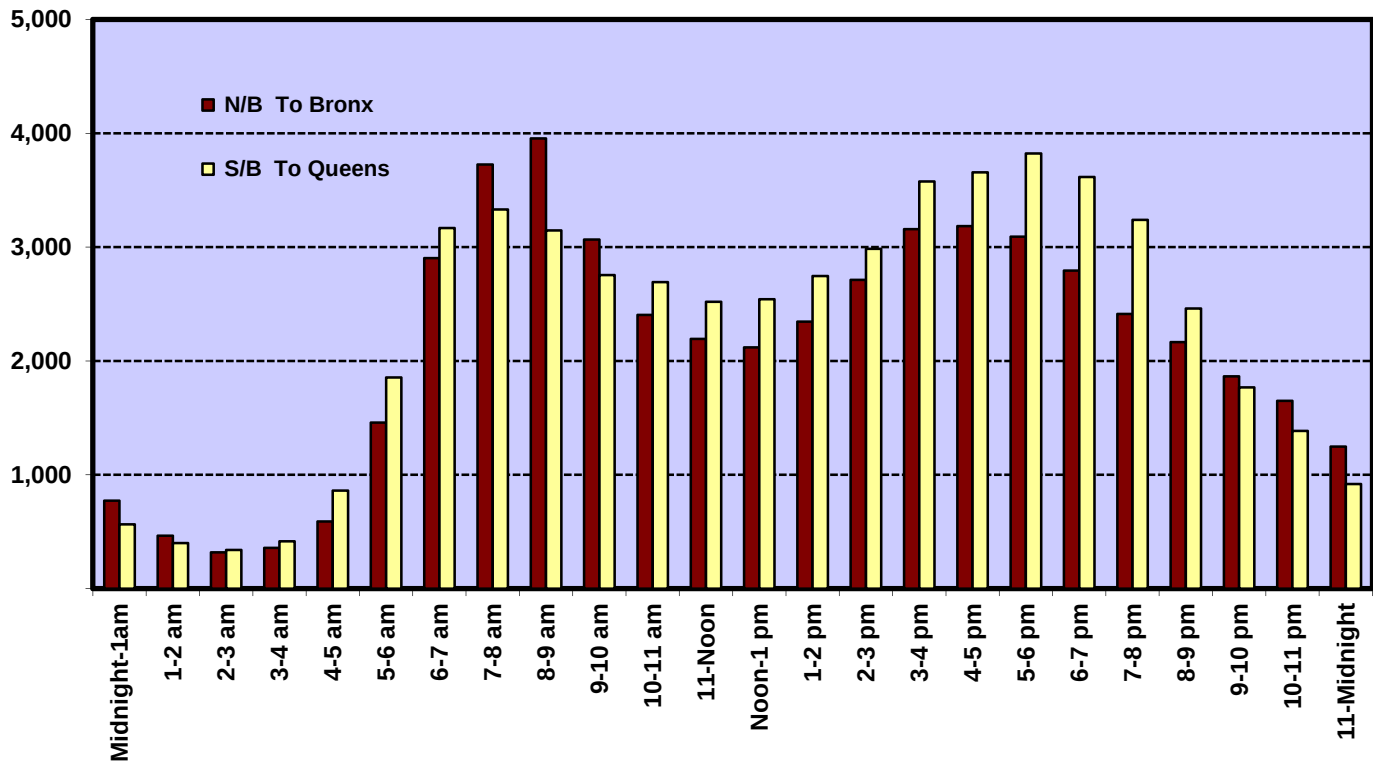
Hourly Vehicular Volumes Robert F. Kennedy Memorial Bridge, Manhattan Plaza ~ 2012 (Triborough Bridge)



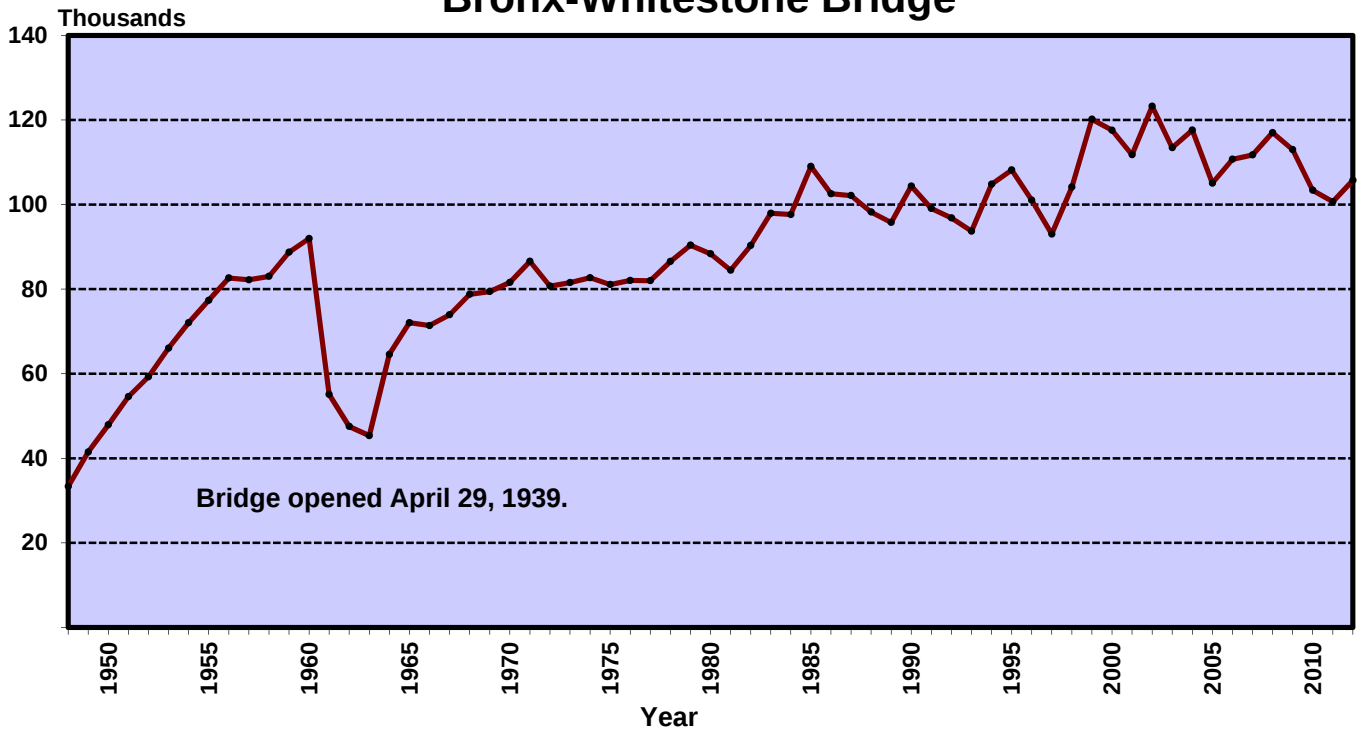
Average Daily Traffic Volumes ~ Total of Both Directions Robert F. Kennedy Memorial Bridge, Manhattan Plaza (Triborough Bridge)



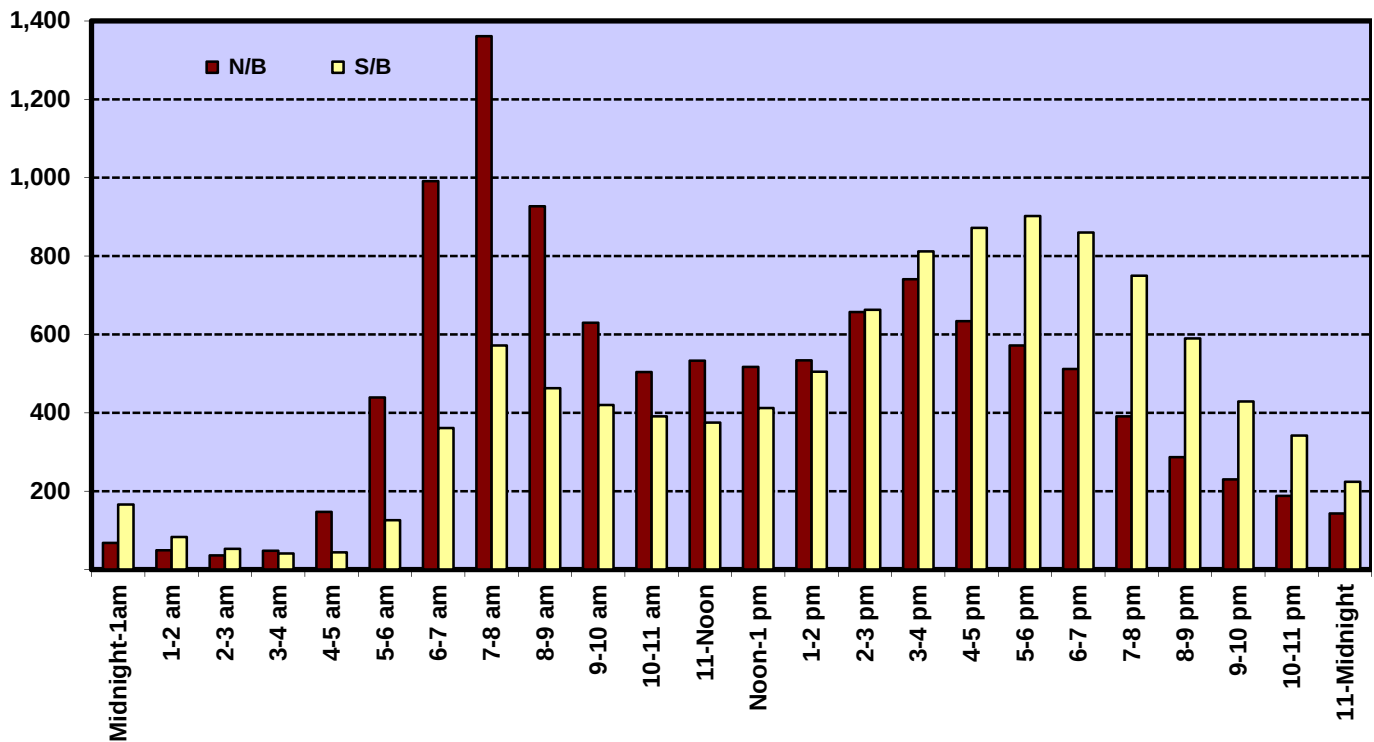
Hourly Vehicular Volumes Bronx-Whitestone Bridge ~ 2012



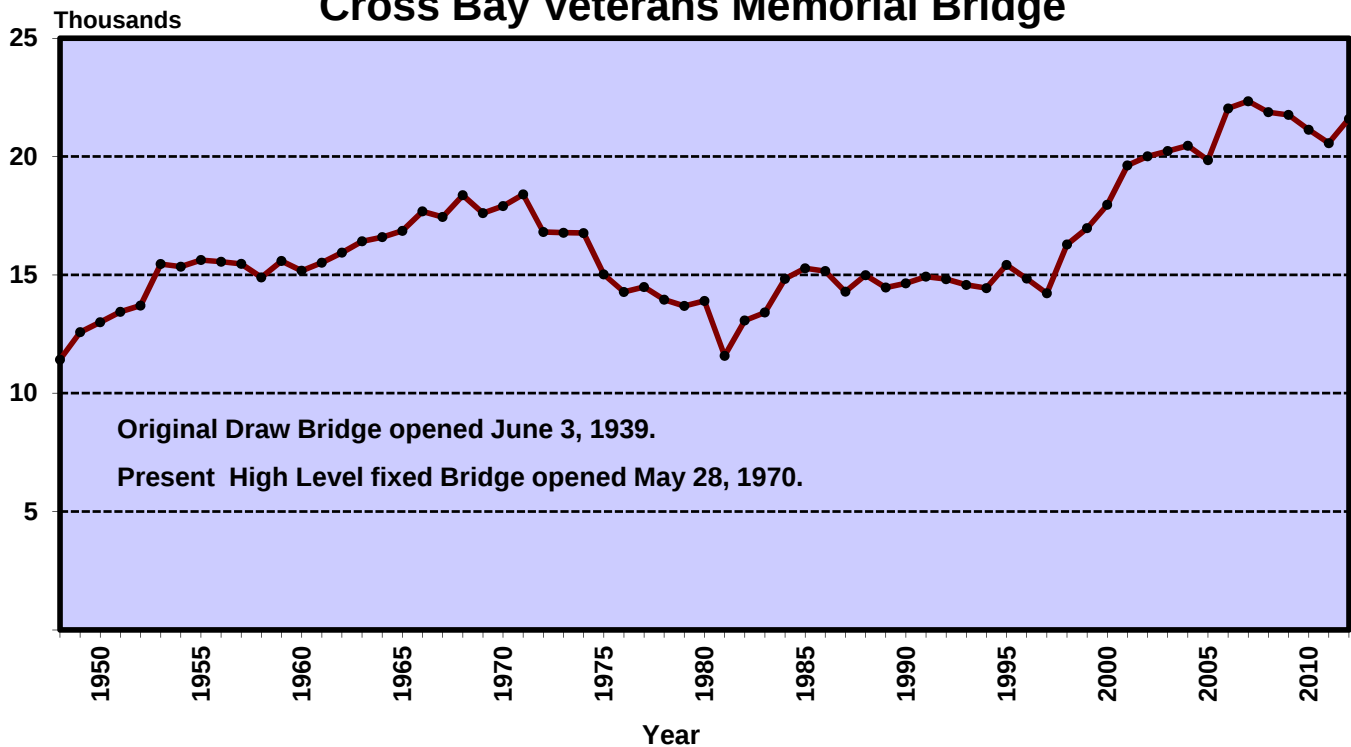
Average Daily Traffic Volumes ~ Total of Both Directions Bronx-Whitestone Bridge



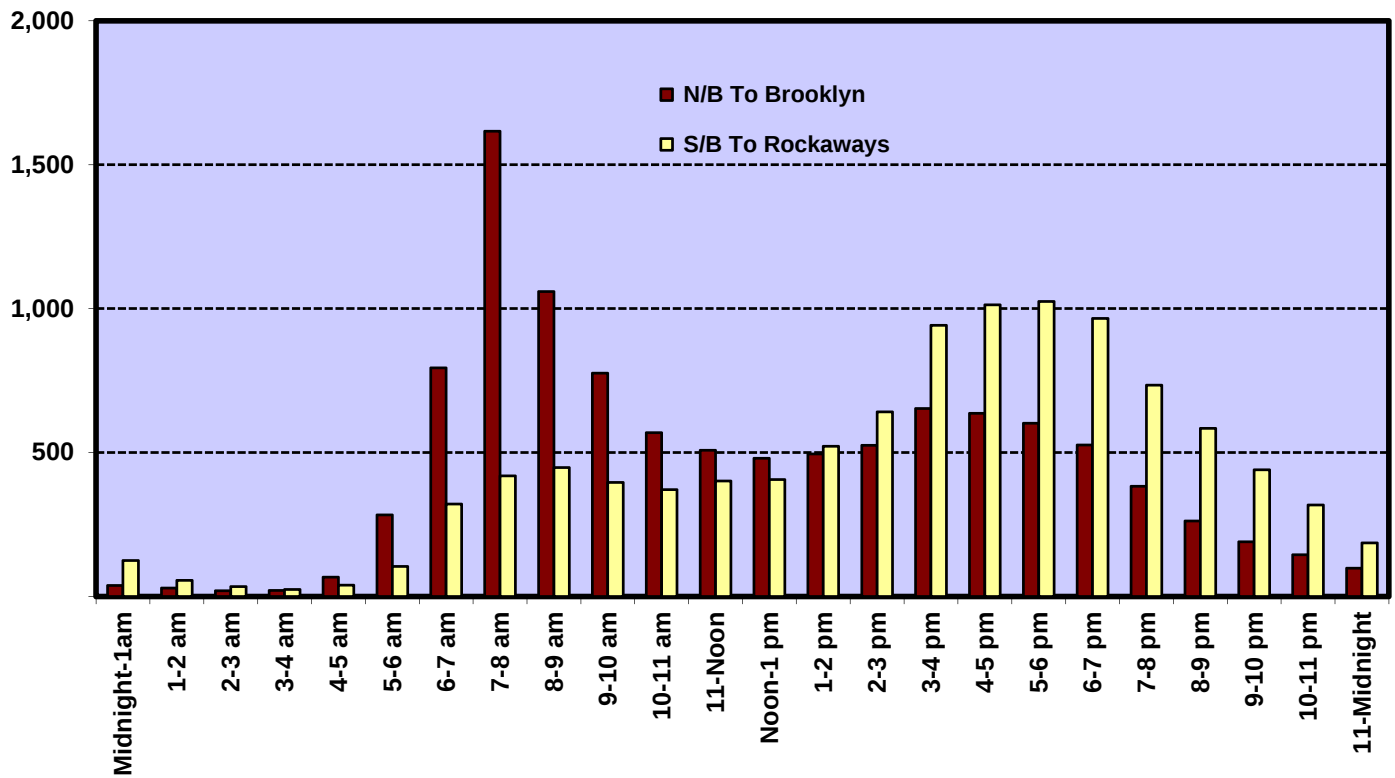
Hourly Vehicular Volumes Cross Bay Veterans Memorial Bridge ~ 2012



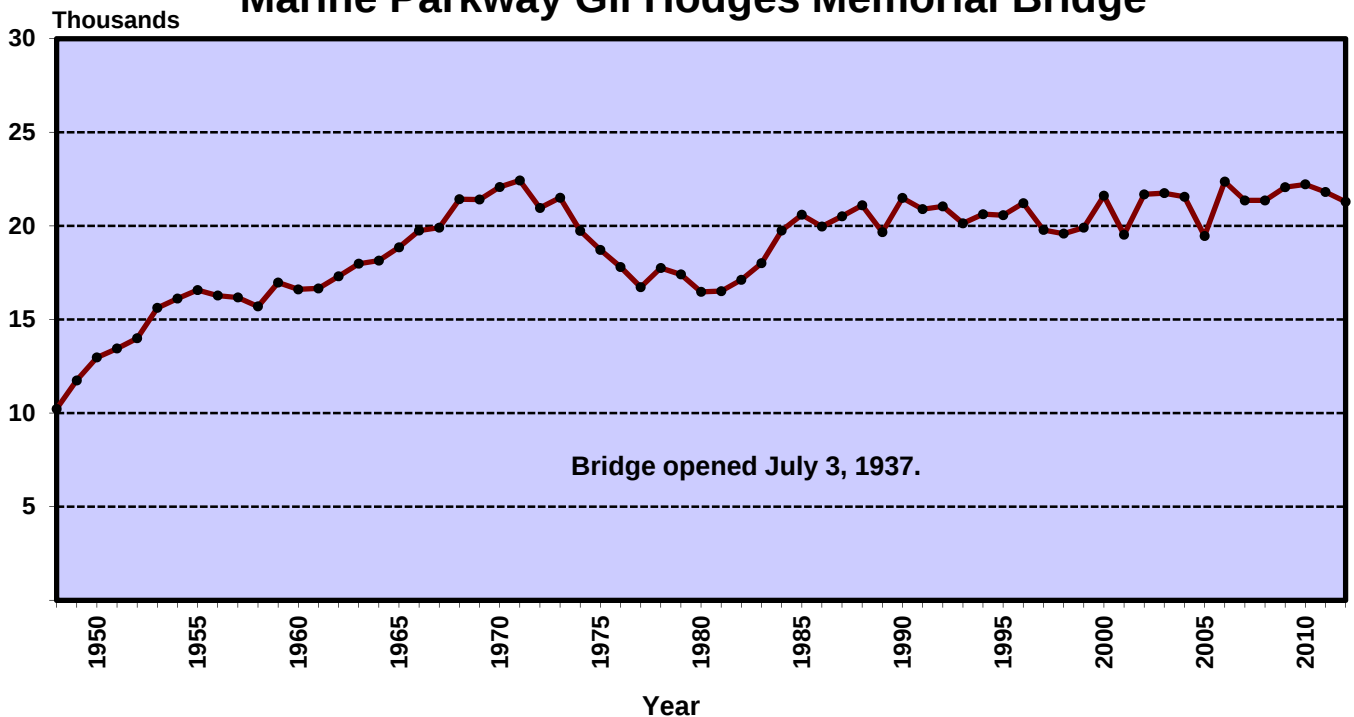
Average Daily Traffic Volumes ~ Total of Both Directions Cross Bay Veterans Memorial Bridge



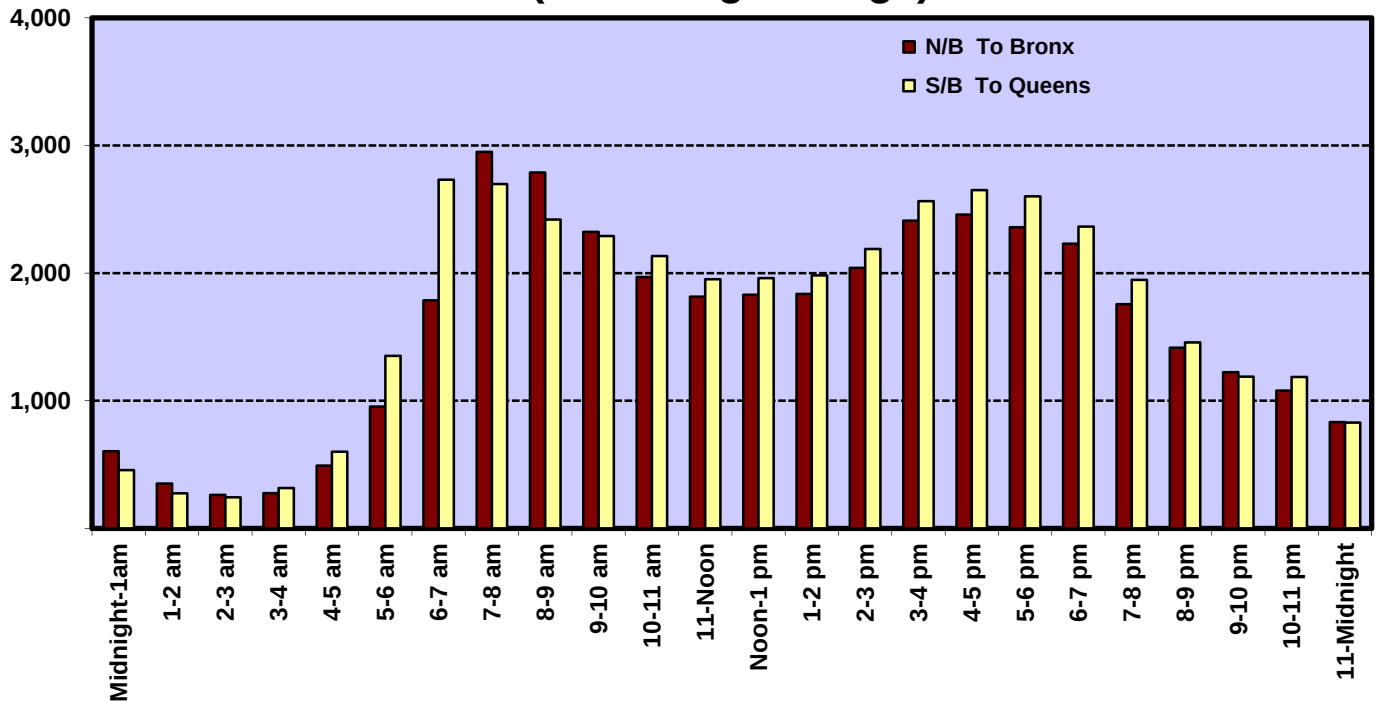
Hourly Vehicular Volumes Marine Parkway Gil Hodges Memorial Bridge ~ 2012



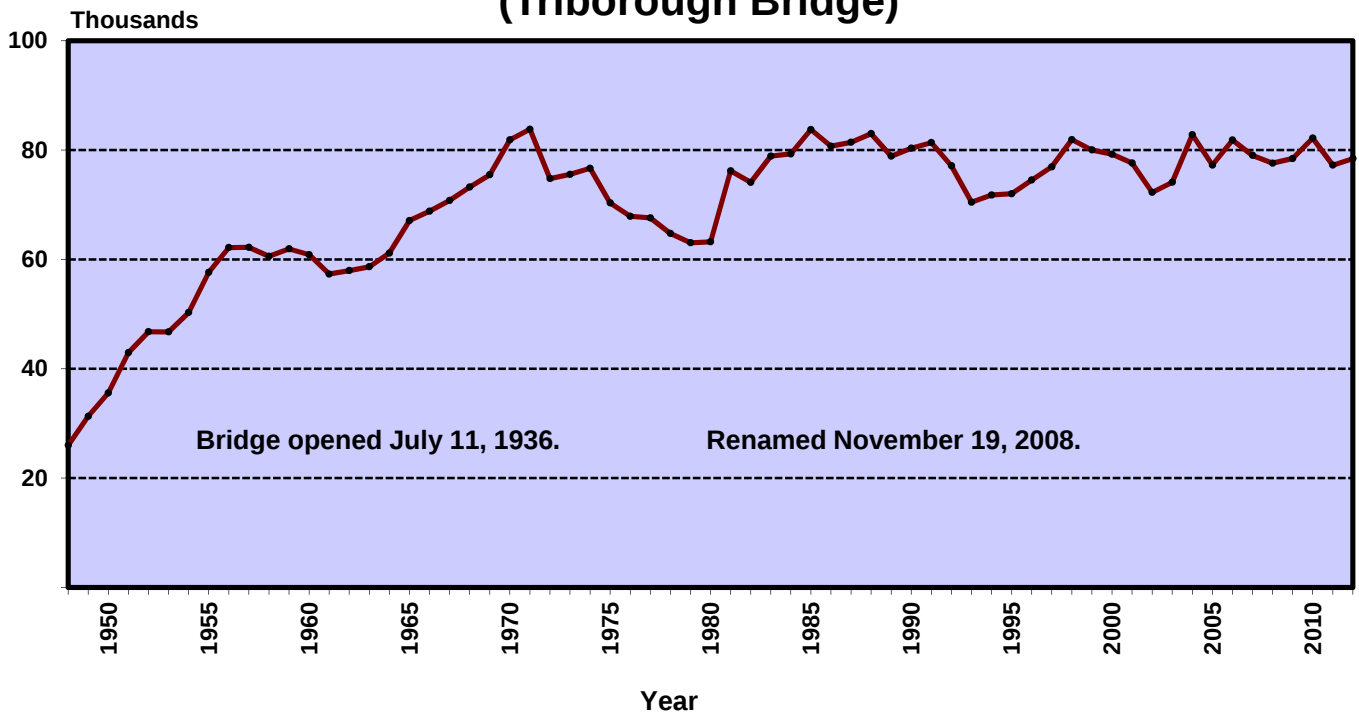
Average Daily Traffic Volumes ~ Total of Both Directions Marine Parkway Gil Hodges Memorial Bridge



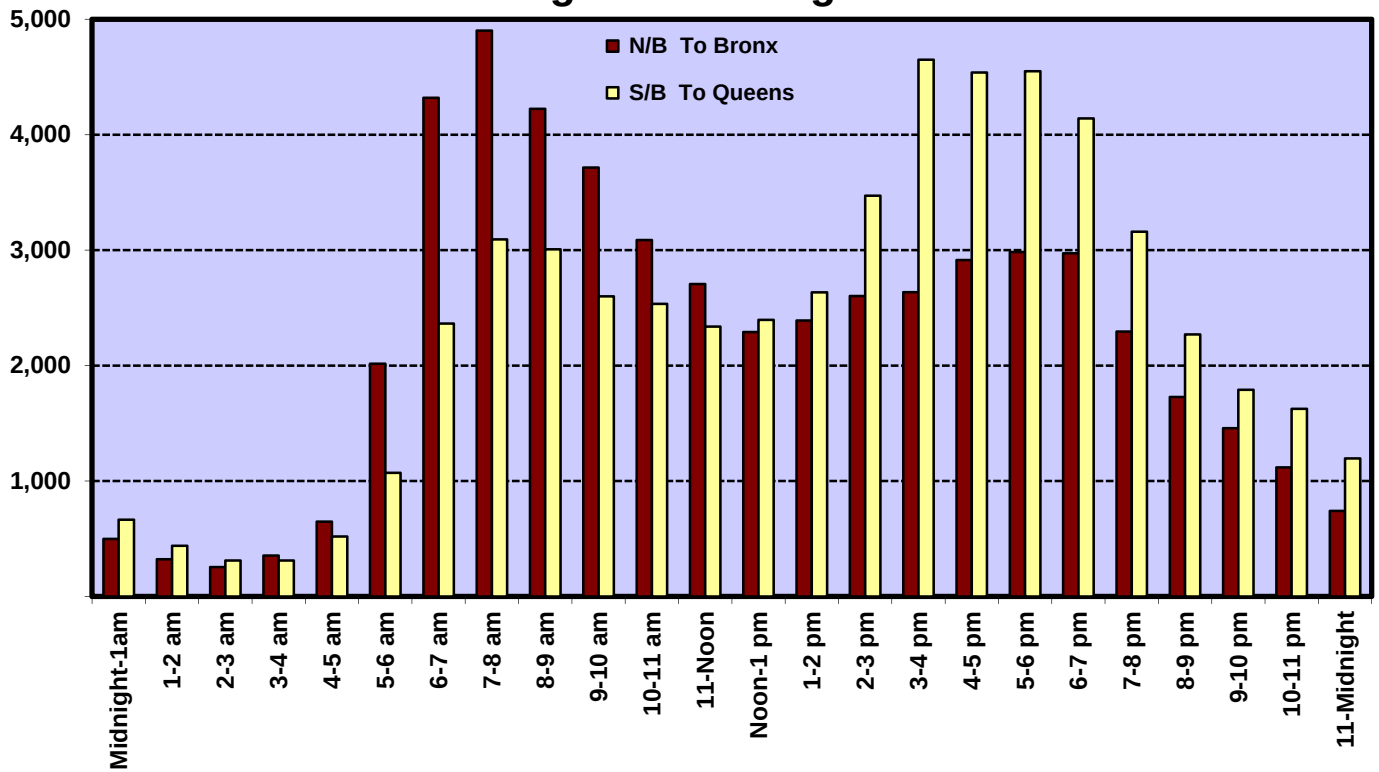
Hourly Vehicular Volumes Robert F. Kennedy Memorial Bridge, Bronx Plaza ~ 2012 (Triborough Bridge)



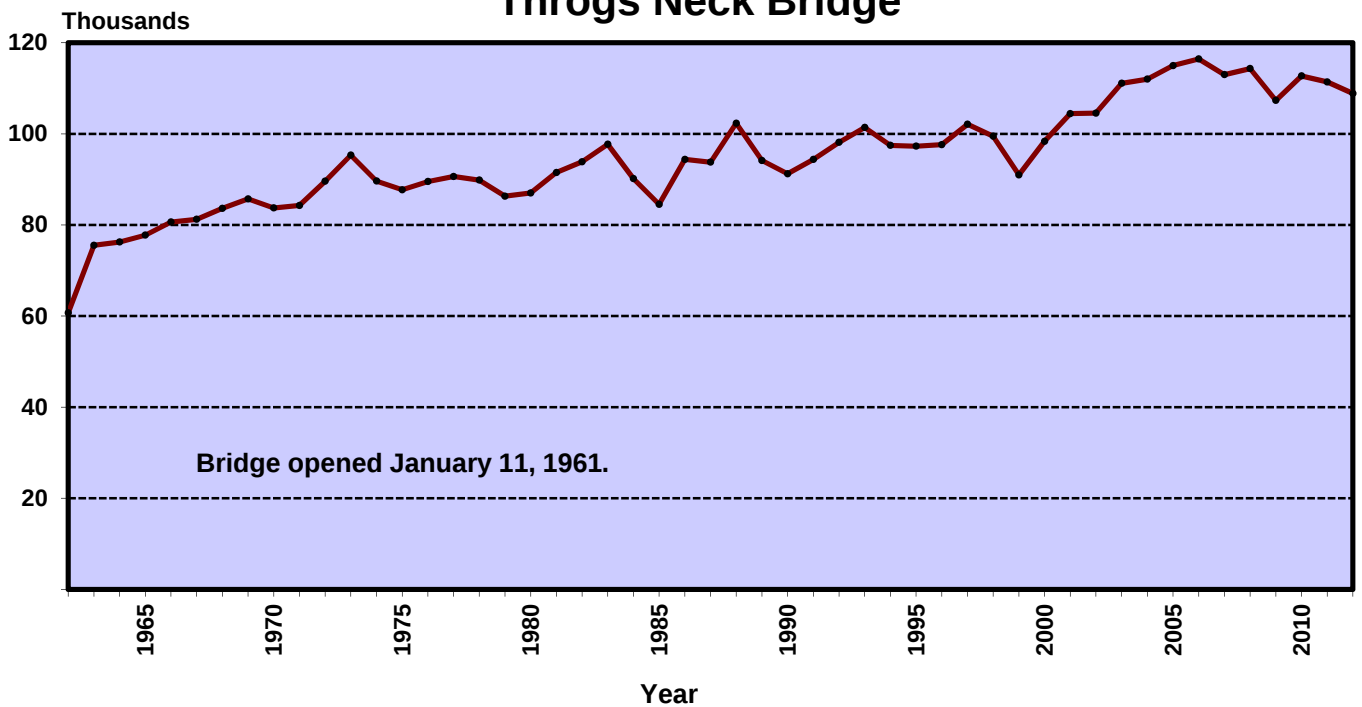
Average Daily Traffic Volumes ~ Total of Both Directions Robert F. Kennedy Memorial Bridge, Bronx Plaza (Triborough Bridge)



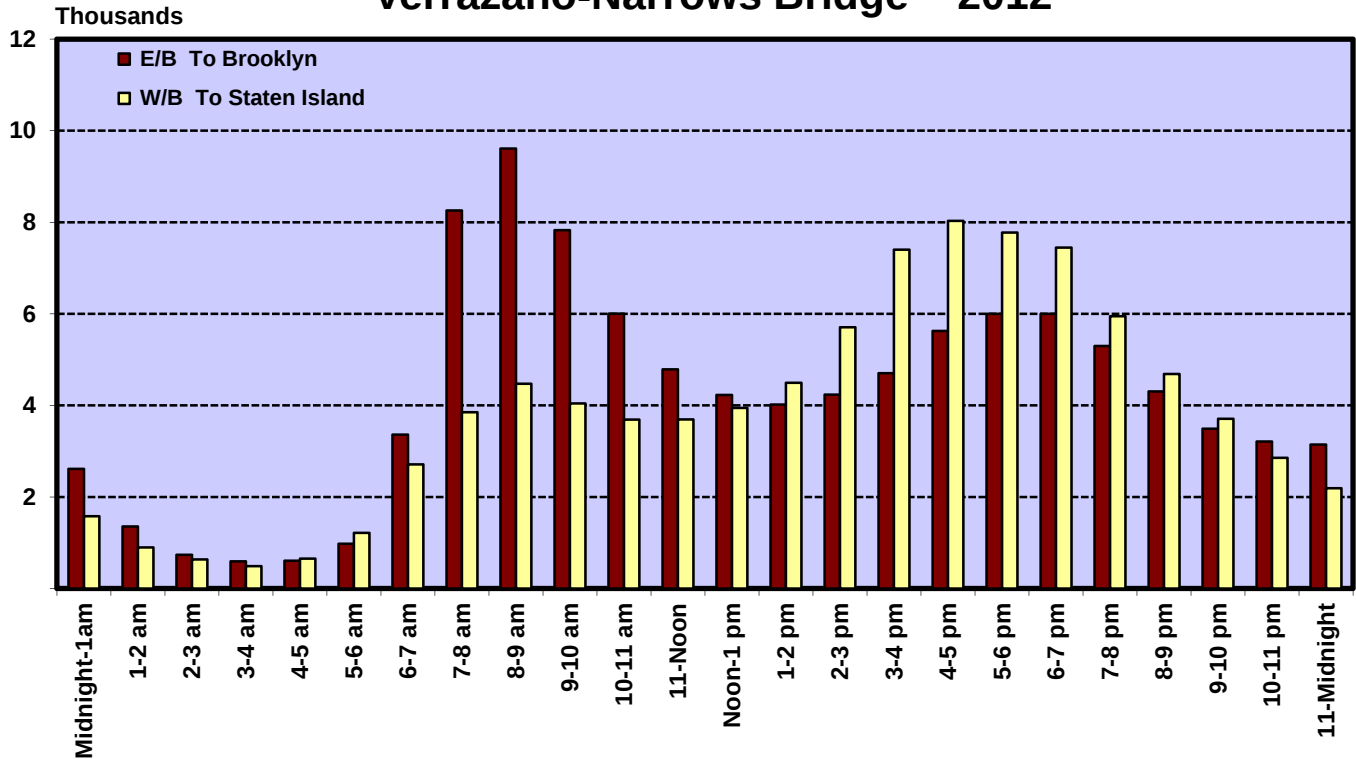
Hourly Vehicular Volumes Throgs Neck Bridge ~ 2012



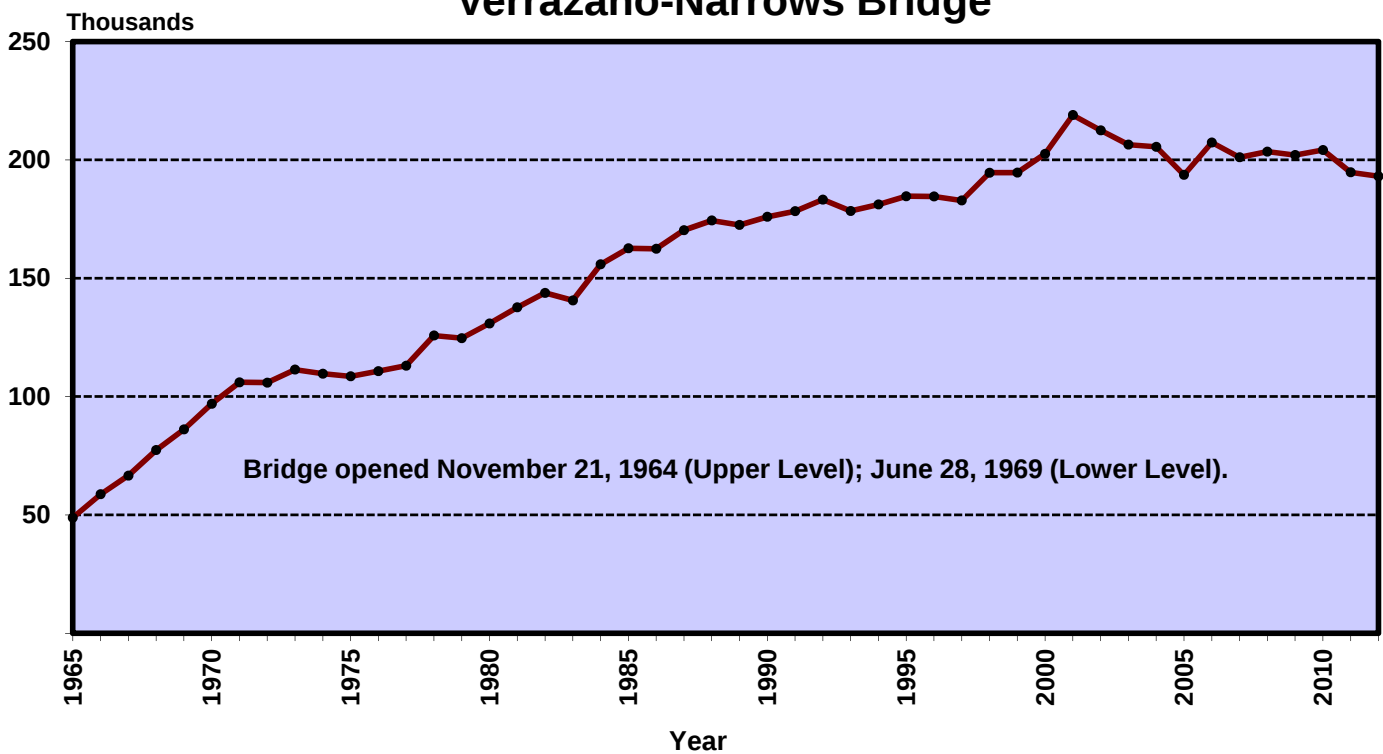
Average Daily Traffic Volumes ~ Total of Both Directions Throgs Neck Bridge



Hourly Vehicular Volumes Verrazano-Narrows Bridge ~ 2012



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



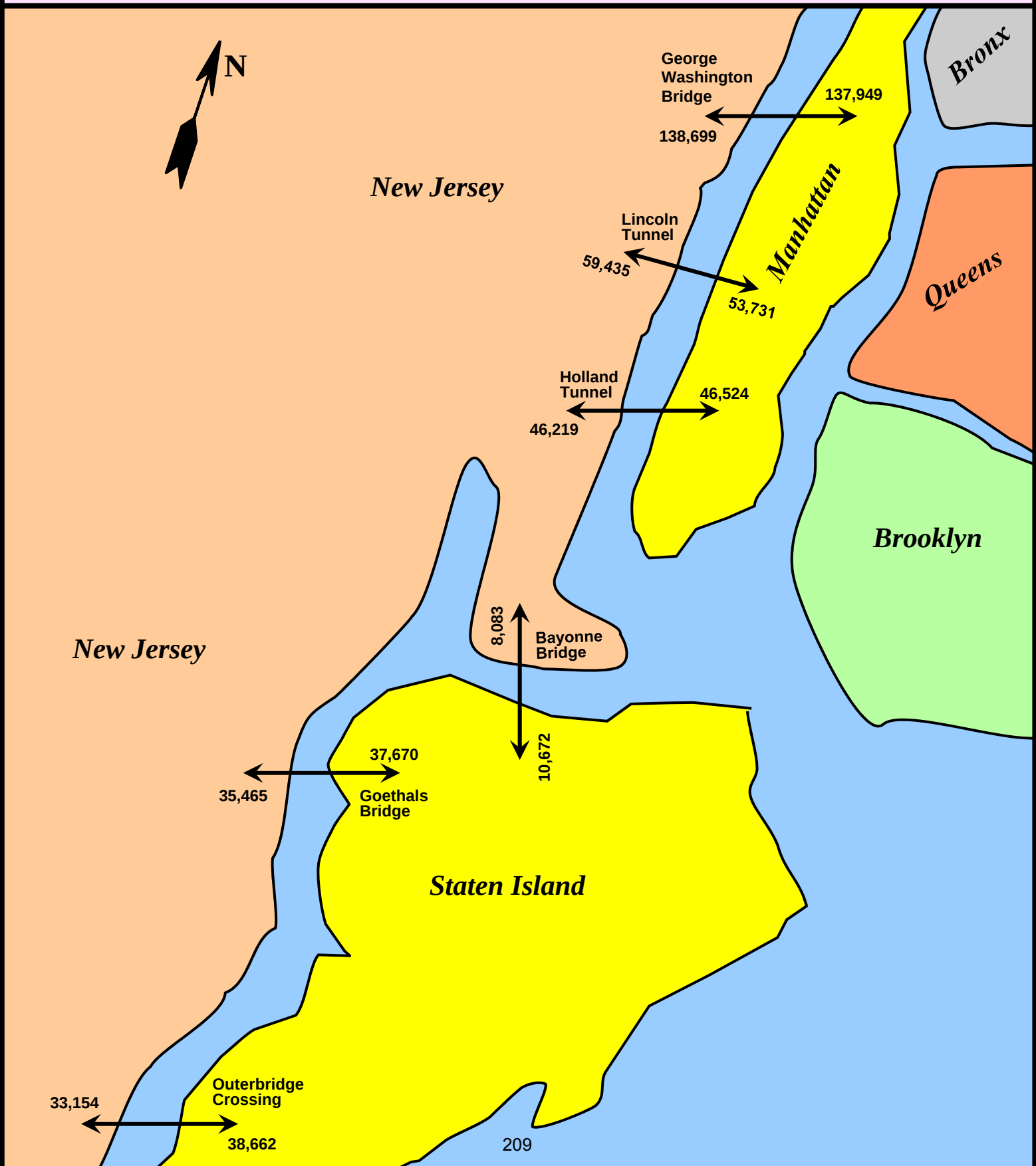
PANYNJ Facilities



Outerbridge Crossing

PANYNJ Facilities

2012 Daily Volumes



PANYNJ Manhattan - New Jersey Facilities
Average Daily Traffic Volumes
1948 - 2012

<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

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.

PANYNJ Staten Island - New Jersey Bridges
Average Daily Traffic Volumes
1948 - 2012

<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

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.

Hourly Vehicular Volumes

Port Authority of New York & New Jersey

2012

	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	1,657	3,127	723	1,133	781	1,610	3,161	5,870
1-2am	1,196	1,394	443	727	489	882	2,128	3,003
2-3am	1,049	1,139	341	632	394	555	1,784	2,326
3-4am	1,273	1,084	378	737	424	476	2,075	2,297
4-5am	2,157	1,482	658	1,039	785	540	3,600	3,061
5-6am	6,075	2,882	2,065	1,383	2,645	833	10,785	5,098
6-7am	10,749 **	4,715	3,047 **	2,253	5,056 **	1,465	18,852 **	8,433
7-8am	10,058	6,483	2,907	2,719	4,643	2,127	17,608	11,329
8-9am	8,404	6,467	2,771	2,492	4,286	1,919	15,461	10,878
9-10am	8,270	6,102	2,715	2,029	3,983	1,646	14,968	9,777
10-11am	7,236	6,190	2,518	2,015	3,276	2,140	13,030	10,345
11-12am	6,413	6,318	2,154	2,013	2,831	2,311	11,398	10,642
12-1pm	6,263	6,351	1,990	2,004	2,542	2,568	10,795	10,923
1-2pm	6,187	6,885	2,032	2,265	2,472	2,874	10,691	12,024
2-3pm	6,704	7,892	2,174	2,753 **	2,561	3,667	11,439	14,312
3-4pm	7,277	9,241	2,492	2,753 **	2,395	4,365	12,164	16,359
4-5pm	8,074	10,215	2,697	2,569	1,875	4,617	12,646	17,401 **
5-6pm	8,314	10,413 **	2,741	1,917	1,557	4,662	12,612	16,992
6-7pm	8,098	9,557	2,667	2,273	1,796	4,800 **	12,561	16,630
7-8pm	6,488	8,604	2,504	2,588	2,286	3,868	11,278	15,060
8-9pm	5,092	7,090	1,946	2,268	1,946	3,477	8,984	12,835
9-10pm	4,380	5,750	1,677	2,180	1,789	3,134	7,846	11,064
10-11pm	3,795	4,987	1,622	1,882	1,591	2,567	7,008	9,436
11-12pm	2,740	4,331	1,262	1,595	1,328	2,332	5,330	8,258
Totals	137,949	138,699	46,524	46,219	53,731	59,435	238,204	244,353
7-10am	26,732	19,052	8,393	7,240	12,912	5,692	48,037	31,984
10am-1pm	19,912	18,859	6,562	6,032	8,649	7,019	35,223	31,910
1-4pm	20,168	24,018	6,698	7,771	7,428	10,906	34,294	42,695
4-7pm	24,486	30,185	8,105	6,759	5,228	14,079	37,819	51,023
7am-7pm	91,298	92,114	29,858	27,802	34,217	37,696	155,373	157,612
6-10am	37,481	23,767	11,440	9,493	17,968	7,157	66,889	40,417
3-7pm	31,763	39,426	10,597	9,512	7,623	18,444	49,983	67,382
6am-7pm	102,047	96,829	32,905	30,055	39,273	39,161	174,225	166,045

** 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

2012

	Bayonne Bridge		Goethals Bridge		Outerbridge Crossing		Totals	
	S/B	N/B	E/B	W/B	E/B	W/B	Staten Island	To New Jersey
12-1am	143	62	570	434	427	456	1,140	952
1-2am	95	46	349	223	291	243	735	512
2-3am	77	36	283	207	254	167	614	410
3-4am	69	38	290	218	300	174	659	430
4-5am	100	57	487	355	665	240	1,252	652
5-6am	216	269	1,165	856	1,792	519	3,173	1,644
6-7am	423	678	1,991	1,683	2,718	1,259	5,132	3,620
7-8am	506	972 **	1,735	2,400	2,521	2,099	4,762	5,471
8-9am	487	879	1,790	2,434	2,215	2,325	4,492	5,638 **
9-10am	406	543	1,838	2,218	2,056	1,802	4,300	4,563
10-11am	383	358	1,741	1,951	1,750	1,609	3,874	3,918
11-12am	381	348	1,630	1,839	1,665	1,586	3,676	3,773
12-1pm	405	370	1,719	1,854	1,661	1,485	3,785	3,709
1-2pm	457	332	1,864	1,869	1,841	1,588	4,162	3,789
2-3pm	593	363	2,085	2,111	1,958	1,968	4,636	4,442
3-4pm	758	401	2,344	2,298	2,127	2,519 **	5,229	5,218
4-5pm	938	427	2,687	2,501 **	2,375	2,432	6,000	5,360
5-6pm	1,172 **	465	2,921 **	2,500	2,747 **	2,413	6,840 **	5,378
6-7pm	1,068	413	2,748	1,835	2,457	2,202	6,273	4,450
7-8pm	691	333	2,254	1,746	1,996	1,918	4,941	3,997
8-9pm	448	219	1,742	1,478	1,600	1,458	3,790	3,155
9-10pm	346	178	1,430	1,017	1,384	1,163	3,160	2,358
10-11pm	274	180	1,131	809	1,064	873	2,469	1,862
11-12pm	236	116	876	629	798	656	1,910	1,401
Totals	10,672	8,083	37,670	35,465	38,662	33,154	87,004	76,702
7-10am	1,399	2,394	5,363	7,052	6,792	6,226	13,554	15,672
10am-1pm	1,169	1,076	5,090	5,644	5,076	4,680	11,335	11,400
1-4pm	1,808	1,096	6,293	6,278	5,926	6,075	14,027	13,449
4-7pm	3,178	1,305	8,356	6,836	7,579	7,047	19,113	15,188
7am-7pm	7,554	5,871	25,102	25,810	25,373	24,028	58,029	55,709
6-10am	1,822	3,072	7,354	8,735	9,510	7,485	18,686	19,292
3-7pm	3,936	1,706	10,700	9,134	9,706	9,566	24,342	20,406
6am-7pm	7,977	6,549	27,093	27,493	28,091	25,287	63,161	59,329

** 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.

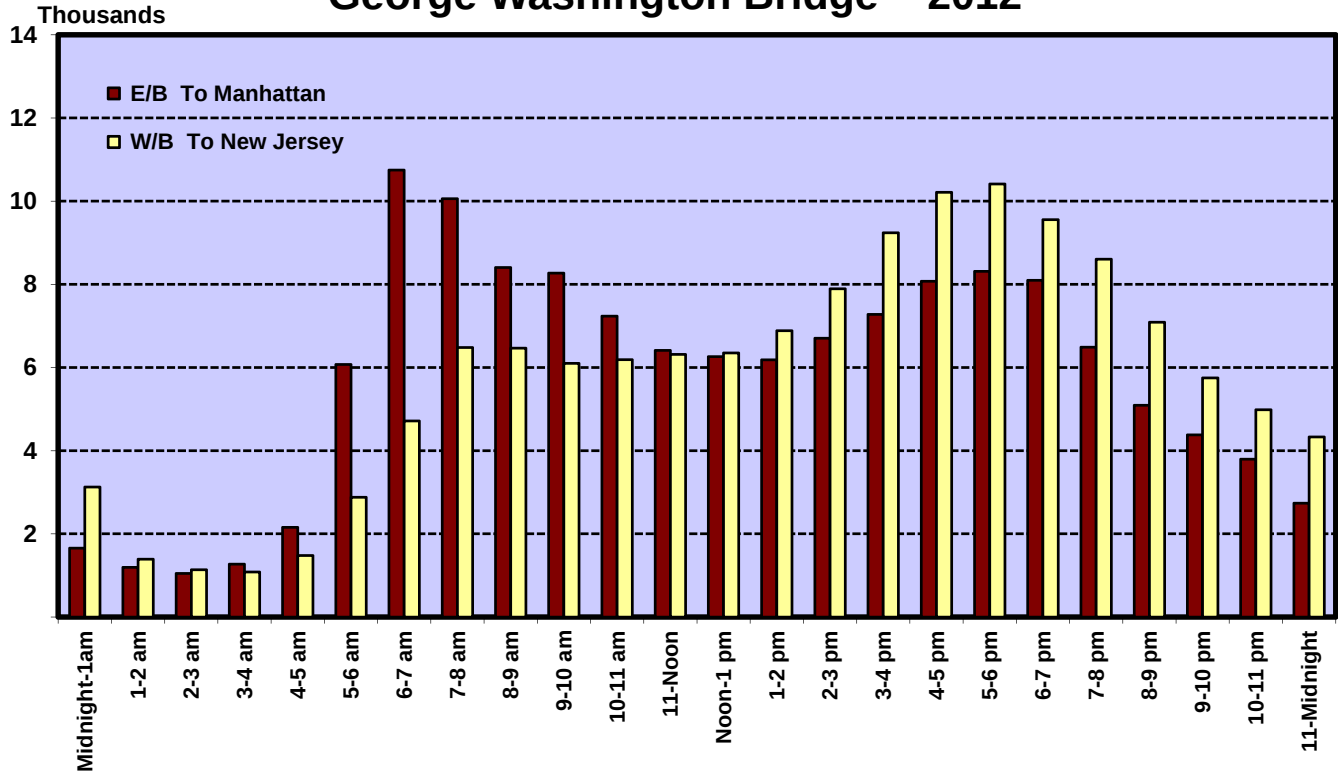
Hourly Vehicular Volumes George Washington Bridge - 2012

	Eastbound to Manhattan					Westbound to New Jersey					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	1,318	10	45	284	1,657	2,756	17	58	296	3,127	4,784
1-2am	811	5	66	314	1,196					1,394	2,590
2-3am	612	4	74	359	1,049					1,139	2,188
3-4am	696	4	103	470	1,273					1,084	2,357
4-5am	1,371	12	154	620	2,157					1,482	3,639
5-6am	4,958	37	344	736	6,075	2,068	17	230	567	2,882	8,957
6-7am	9,638	73	451	587	10,749	3,808	58	299	550	4,715	15,464
7-8am	9,208	100	359	391	10,058	5,609	85	346	443	6,483	16,541
8-9am	7,612	82	362	348	8,404	5,685	79	304	399	6,467	14,871
9-10am	7,408	81	370	411	8,270	5,152	80	354	516	6,102	14,372
10-11am	6,449	56	321	410	7,236	5,020	68	373	729	6,190	13,426
11-12am	5,699	57	278	379	6,413	5,030	53	423	812	6,318	12,731
12-1pm	5,566	67	278	352	6,263	5,134	63	439	715	6,351	12,614
1-2pm	5,561	64	257	305	6,187	5,784	50	457	594	6,885	13,072
2-3pm	6,067	85	259	293	6,704	6,891	62	419	520	7,892	14,596
3-4pm	6,708	97	227	245	7,277	8,201	68	420	552	9,241	16,518
4-5pm	7,554	102	200	218	8,074	9,328	82	343	462	10,215	18,289
5-6pm	7,864	102	150	198	8,314	9,601	79	310	423	10,413	18,727
6-7pm	7,694	79	120	205	8,098	8,935	82	207	333	9,557	17,655
7-8pm	6,120	67	88	213	6,488	8,046	67	147	344	8,604	15,092
8-9pm	4,737	50	73	232	5,092	6,584	49	117	340	7,090	12,182
9-10pm	4,042	39	64	235	4,380	5,261	37	95	357	5,750	10,130
10-11pm	3,469	23	50	253	3,795	4,573	41	58	315	4,987	8,782
11-12pm	2,434	19	37	250	2,740	3,951	32	59	289	4,331	7,071
Totals	123,596	1,315	4,730	8,308	137,949					138,699	276,648
7-10am	24,228	263	1,091	1,150	26,732	16,446	244	1,004	1,358	19,052	45,784
10am-1pm	17,714	180	877	1,141	19,912	15,184	184	1,235	2,256	18,859	38,771
1-4pm	18,336	246	743	843	20,168	20,876	180	1,296	1,666	24,018	44,186
4-7pm	23,112	283	470	621	24,486	27,864	243	860	1,218	30,185	54,671
7am-7pm	83,390	972	3,181	3,755	91,298	80,370	851	4,395	6,498	92,114	183,412
6-10am	33,866	336	1,542	1,737	37,481	20,254	302	1,303	1,908	23,767	61,248
3-7pm	29,820	380	697	866	31,763	36,065	311	1,280	1,770	39,426	71,189
6am-7pm	93,028	1,045	3,632	4,342	102,047	84,178	909	4,694	7,048	96,829	198,876

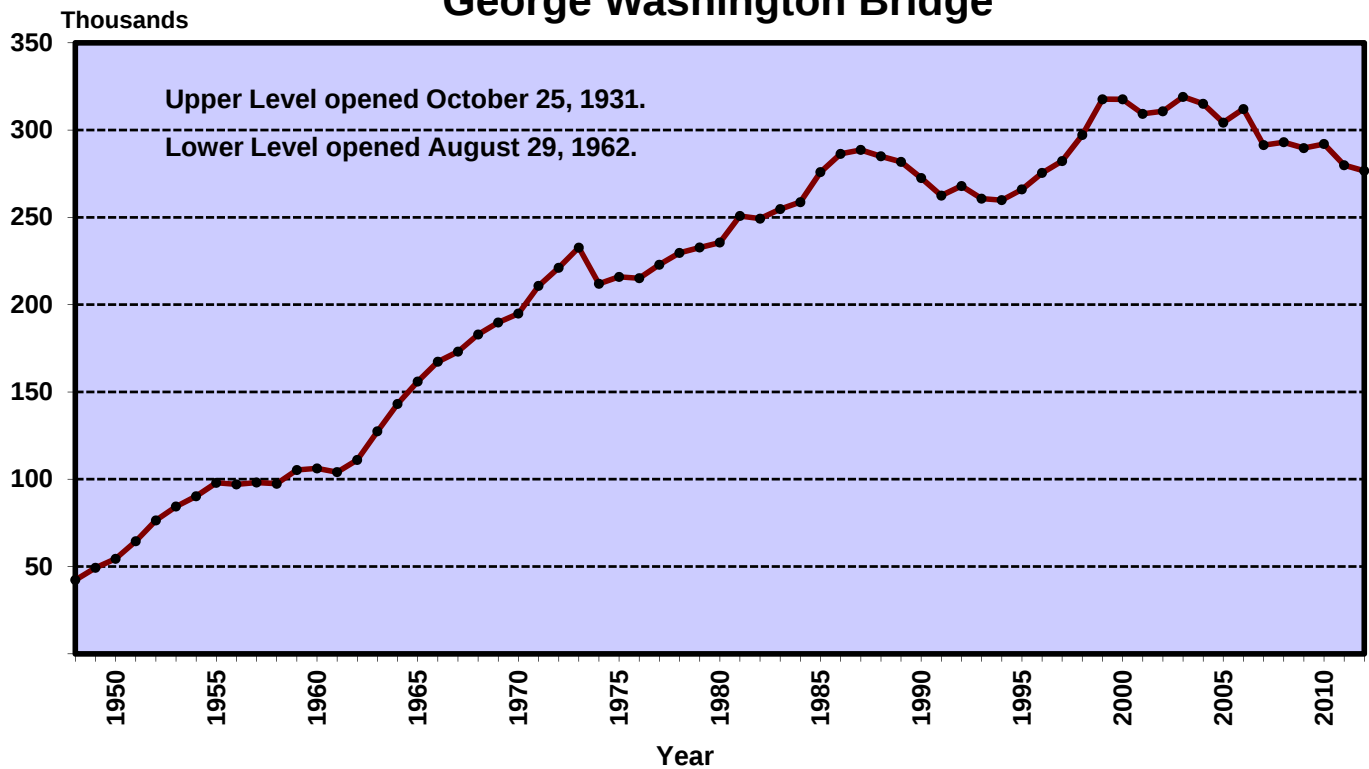
Classification based on October 2012 Data.

** Peak Volumes

Hourly Vehicular Volumes George Washington Bridge ~ 2012



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



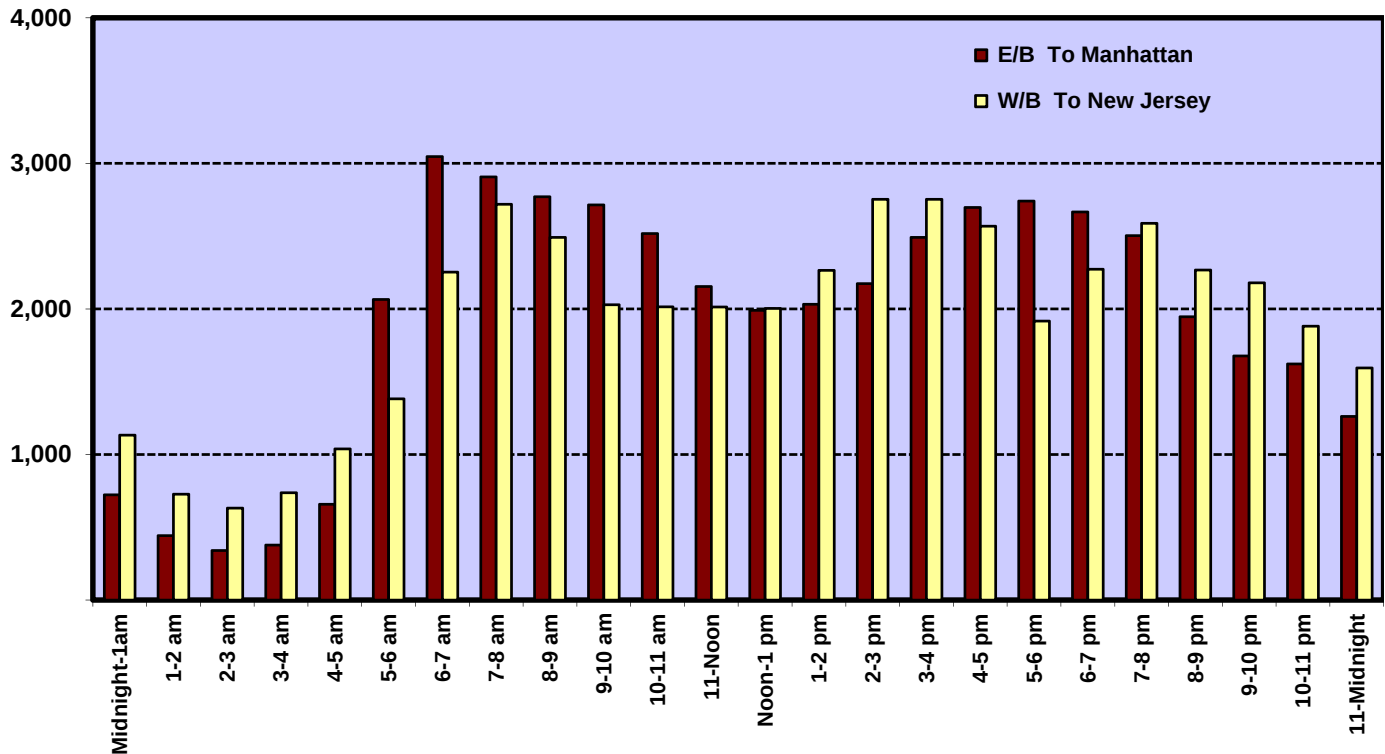
Hourly Vehicular Volumes Holland Tunnel - 2012

	Eastbound to Manhattan					Westbound to New Jersey					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	667	9	47	0	723	1,096	2	35	0	1,133	1,856
1-2am	411	4	28	0	443					727	1,170
2-3am	301	6	34	0	341					632	973
3-4am	315	2	61	0	378					737	1,115
4-5am	574	8	74	2	658					1,039	1,697
5-6am	1,926	21	115	3	2,065	1,300	7	76	0	1,383	3,448
6-7am	2,868	64	113	2	3,047	2,126	23	104	0	2,253	5,300
7-8am	2,721	68	116	2	2,907	2,574	32	113	0	2,719	5,626
8-9am	2,587	56	126	2	2,771	2,339	47	104	2	2,492	5,263
9-10am	2,550	55	108	2	2,715	1,829	48	152	0	2,029	4,744
10-11am	2,390	28	99	1	2,518	1,821	26	167	1	2,015	4,533
11-12am	2,060	19	75	0	2,154	1,800	13	199	1	2,013	4,167
12-1pm	1,906	19	64	1	1,990	1,805	6	191	2	2,004	3,994
1-2pm	1,948	20	63	1	2,032	2,094	9	161	1	2,265	4,297
2-3pm	2,089	28	57	0	2,174	2,567	13	172	1	2,753	4,927
3-4pm	2,378	57	56	1	2,492	2,597	22	134	0	2,753	5,245
4-5pm	2,538	105	53	1	2,697	2,400	49	120	0	2,569	5,266
5-6pm	2,639	71	31	0	2,741	1,773	53	91	0	1,917	4,658
6-7pm	2,580	58	28	1	2,667	2,185	44	44	0	2,273	4,940
7-8pm	2,445	32	27	0	2,504	2,503	19	65	1	2,588	5,092
8-9pm	1,884	15	46	1	1,946	2,191	27	49	1	2,268	4,214
9-10pm	1,629	12	36	0	1,677	2,136	17	27	0	2,180	3,857
10-11pm	1,588	12	22	0	1,622	1,844	16	21	1	1,882	3,504
11-12pm	1,236	8	17	1	1,262	1,533	6	56	0	1,595	2,857
Totals	44,230	777	1,496	21	46,524					46,219	92,743
7-10am	7,858	179	350	6	8,393	6,742	127	369	2	7,240	15,633
10am-1pm	6,356	66	238	2	6,662	5,426	45	557	4	6,032	12,694
1-4pm	6,415	105	176	2	6,698	7,258	44	467	2	7,771	14,469
4-7pm	7,757	234	112	2	8,105	6,358	146	255	0	6,759	14,864
7am-7pm	28,386	584	876	12	29,858	25,784	362	1,648	8	27,802	57,660
6-10am	10,726	243	463	8	11,440	8,868	150	473	2	9,493	20,933
3-7pm	10,135	291	168	3	10,597	8,955	168	389	0	9,512	20,109
6am-7pm	31,254	648	989	14	32,905	27,910	385	1,752	8	30,055	62,960

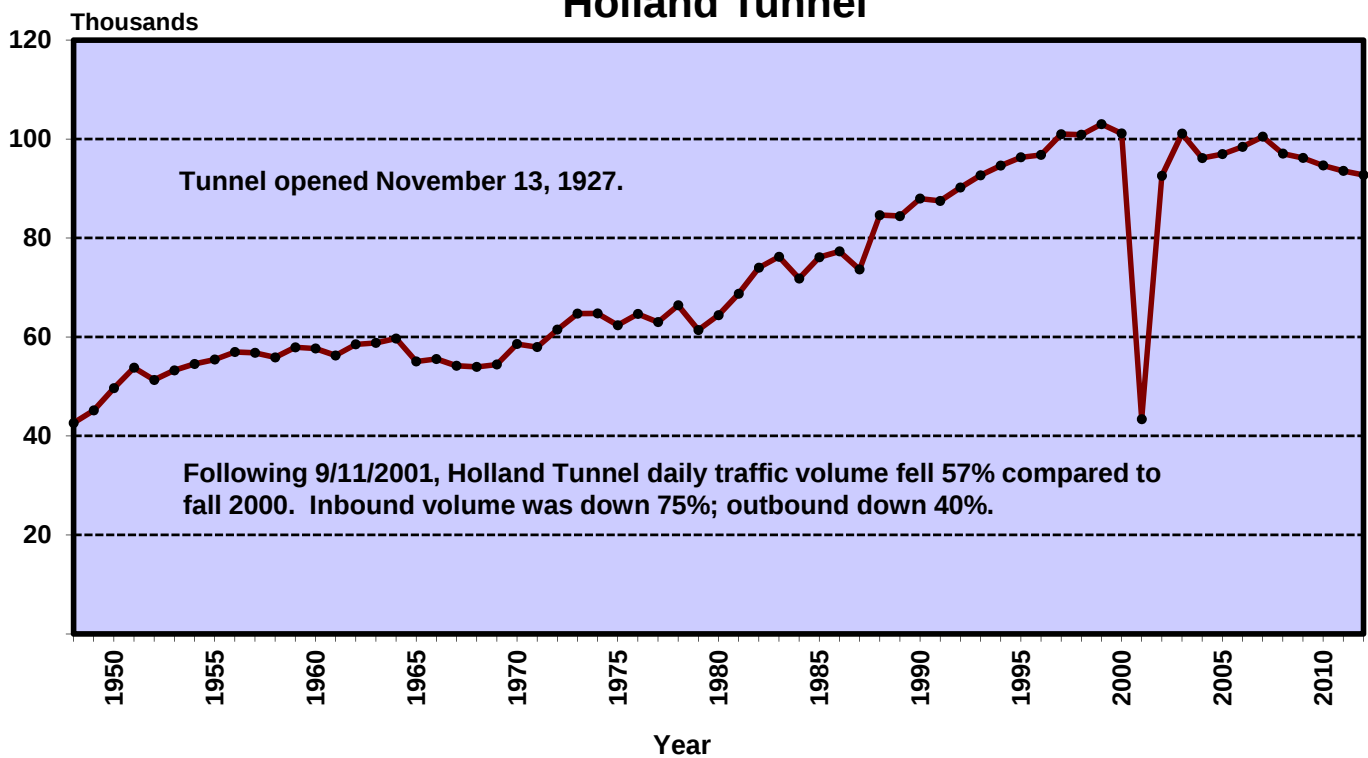
Classification based on October 2012 Data.

** Peak Volumes

Hourly Vehicular Volumes Holland Tunnel ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Holland Tunnel



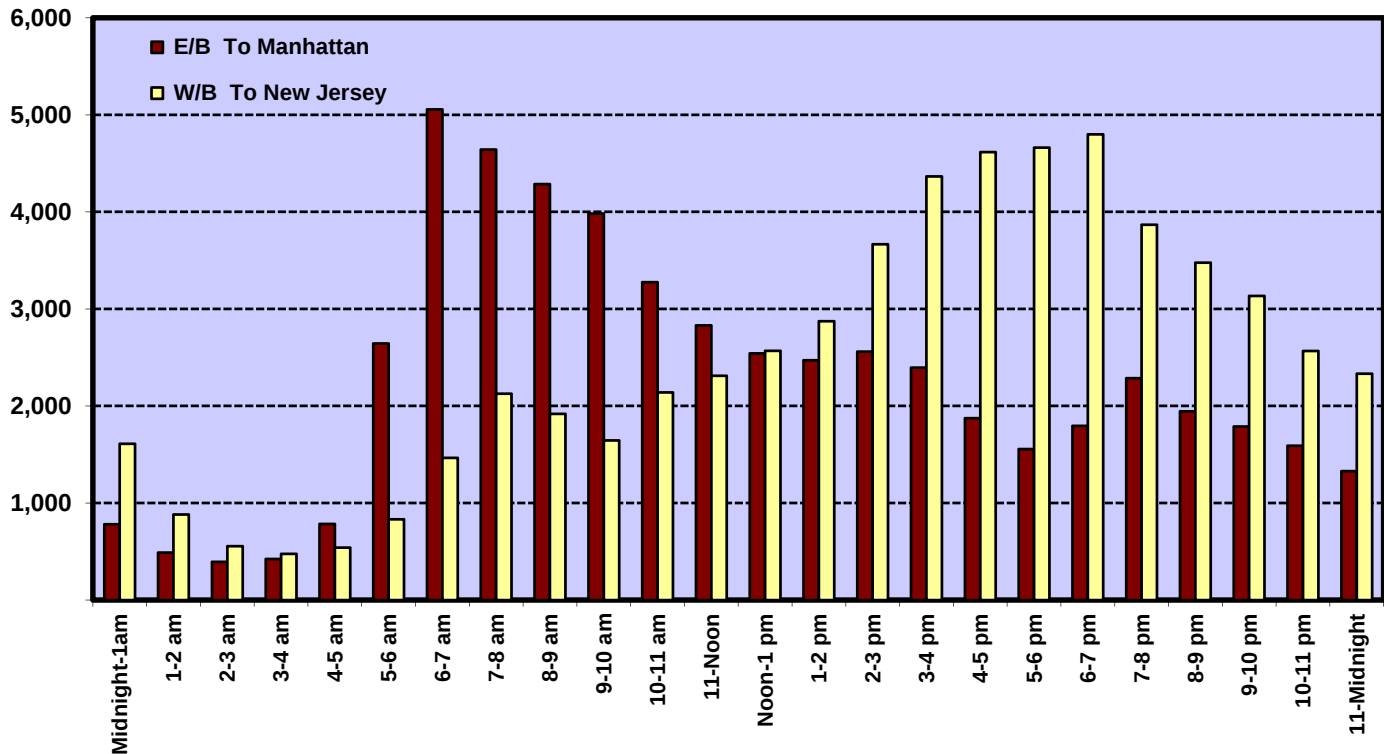
Hourly Vehicular Volumes Lincoln Tunnel - 2012

	Eastbound to Manhattan					Westbound to New Jersey					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	661	61	39	20	781	1,445	94	59	12	1,610	2,391
1-2am	391	26	43	29	489					882	1,371
2-3am	318	10	44	22	394					555	949
3-4am	310	11	71	32	424					476	900
4-5am	562	23	133	67	785					540	1,325
5-6am	2,077	169	316	83	2,645	594	63	99	77	833	3,478
6-7am	4,090	497	399	70	5,056	1,006	281	104	74	1,465	6,521
7-8am	3,503	791	314	35	4,643	1,377	560	139	51	2,127	6,770
8-9am	3,036	938	294	18	4,286	1,054	673	148	44	1,919	6,205
9-10am	3,089	630	245	19	3,983	817	659	137	33	1,646	5,629
10-11am	2,780	271	208	17	3,276	1,480	352	246	62	2,140	5,416
11-12am	2,453	215	150	13	2,831	1,748	236	262	65	2,311	5,142
12-1pm	2,201	189	140	12	2,542	2,030	157	299	82	2,568	5,110
1-2pm	2,114	226	122	10	2,472	2,346	169	299	60	2,874	5,346
2-3pm	2,150	291	113	7	2,561	3,098	209	309	51	3,667	6,228
3-4pm	1,911	394	84	6	2,395	3,752	270	299	44	4,365	6,760
4-5pm	1,342	474	54	5	1,875	3,910	396	285	26	4,617	6,492
5-6pm	1,172	345	37	3	1,557	3,829	625	197	11	4,662	6,219
6-7pm	1,391	356	41	8	1,796	3,932	722	135	11	4,800	6,596
7-8pm	1,882	325	64	15	2,286	3,307	449	102	10	3,868	6,154
8-9pm	1,649	222	58	17	1,946	3,085	294	79	19	3,477	5,423
9-10pm	1,529	176	61	23	1,789	2,807	228	71	28	3,134	4,923
10-11pm	1,361	143	60	27	1,591	2,289	184	63	31	2,567	4,158
11-12pm	1,139	108	58	23	1,328	2,102	128	52	50	2,332	3,660
Totals	43,111	6,891	3,148	581	53,731					59,435	113,166
7-10am	9,628	2,359	853	72	12,912	3,248	1,892	424	128	5,692	18,604
10am-1pm	7,434	675	498	42	8,649	5,258	745	807	209	7,019	15,668
1-4pm	6,175	911	319	23	7,428	9,196	648	907	155	10,906	18,334
4-7pm	3,905	1,175	132	16	5,228	11,671	1,743	617	48	14,079	19,307
7am-7pm	27,142	5,120	1,802	153	34,217	29,373	5,028	2,755	540	37,696	71,913
6-10am	13,718	2,856	1,252	142	17,968	4,254	2,173	528	202	7,157	25,125
3-7pm	5,816	1,569	216	22	7,623	15,423	2,013	916	92	18,444	26,067
6am-7pm	31,232	5,617	2,201	223	39,273	30,379	5,309	2,859	614	39,161	78,434

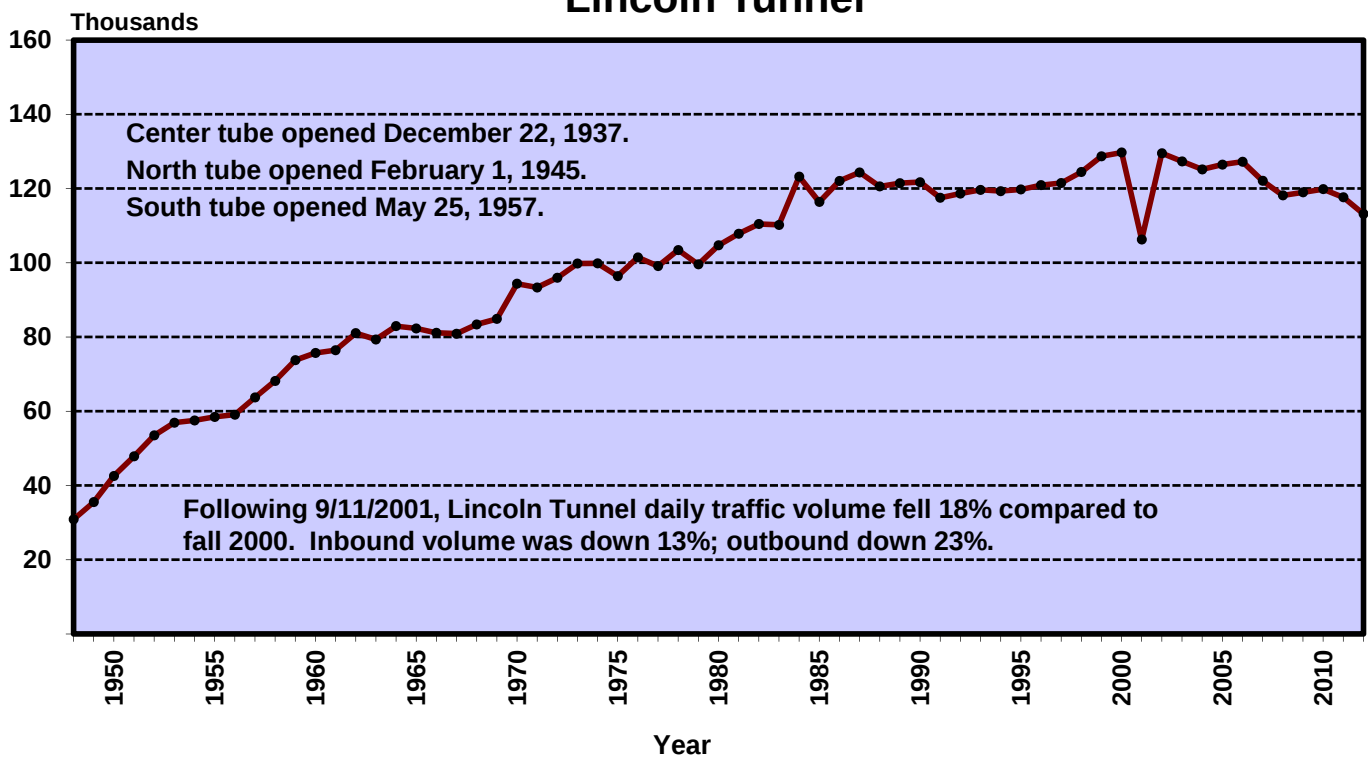
Classification based on October 2012 Data.

** Peak Volumes

Hourly Vehicular Volumes Lincoln Tunnel ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Lincoln Tunnel



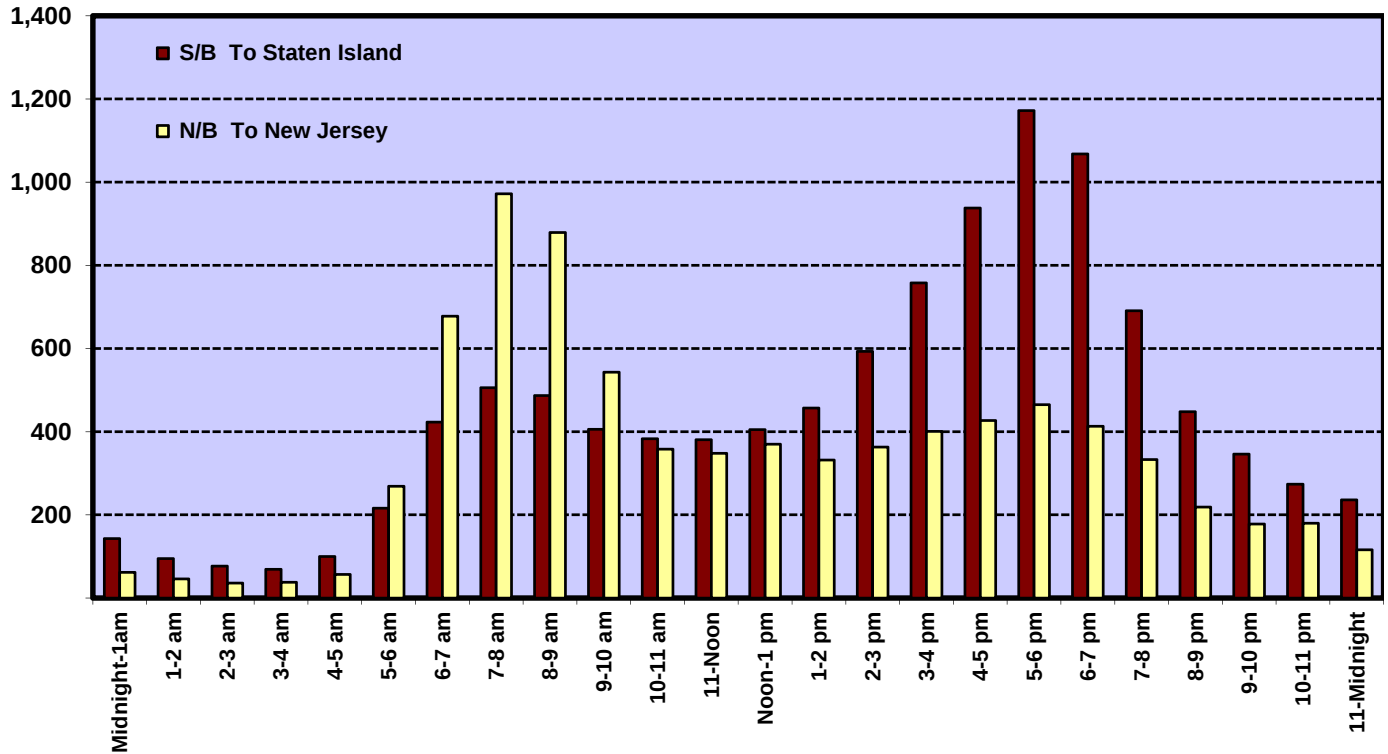
Hourly Vehicular Volumes Bayonne Bridge - 2012

	Southbound to Staten Island					Northbound to New Jersey					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	129	1	6	7	143	54	0	5	3	62	205
1-2am	81	0	8	6	95					46	141
2-3am	67	0	5	5	77					36	113
3-4am	53	0	9	7	69					38	107
4-5am	65	0	16	19	100					57	157
5-6am	159	0	18	39	216	244	2	11	12	269	485
6-7am	359	3	26	35	423	650	4	14	10	678	1,101
7-8am	434	9	30	33	506	940	5	18	9	972	1,478
8-9am	414	8	32	33	487	819	4	37	19	879	1,366
9-10am	320	11	35	40	406	486	3	32	22	543	949
10-11am	299	8	35	41	383	318	0	23	17	358	741
11-12am	305	2	35	39	381	286	1	33	28	348	729
12-1pm	340	2	28	35	405	312	1	37	20	370	775
1-2pm	397	2	28	30	457	280	3	30	19	332	789
2-3pm	533	2	31	27	593	309	0	31	23	363	956
3-4pm	712	1	26	19	758	365	3	16	17	401	1,159
4-5pm	896	6	21	15	938	389	2	31	5	427	1,365
5-6pm	1,125	6	27	14	1,172	429	5	25	6	465	1,637
6-7pm	1,032	7	18	11	1,068	385	4	19	5	413	1,481
7-8pm	665	5	12	9	691	311	3	14	5	333	1,024
8-9pm	428	2	11	7	448	213	1	4	1	219	667
9-10pm	333	1	8	4	346	170	0	6	2	178	524
10-11pm	265	1	3	5	274	168	0	7	5	180	454
11-12pm	227	1	4	4	236	110	0	3	3	116	352
Totals	9,638	78	472	484	10,672					8,083	18,755
7-10am	1,168	28	97	106	1,399	2,245	12	87	50	2,394	3,793
10am-1pm	944	12	98	115	1,169	916	2	93	65	1,076	2,245
1-4pm	1,642	5	85	76	1,808	954	6	77	59	1,096	2,904
4-7pm	3,053	19	66	40	3,178	1,203	11	75	16	1,305	4,483
7am-7pm	6,807	64	346	337	7,554	5,318	31	332	190	5,871	13,425
6-10am	1,527	31	123	141	1,822	2,895	16	101	60	3,072	4,894
3-7pm	3,765	20	92	59	3,936	1,568	14	91	33	1,706	5,642
6am-7pm	7,166	67	372	372	7,977	5,968	35	346	200	6,549	14,526

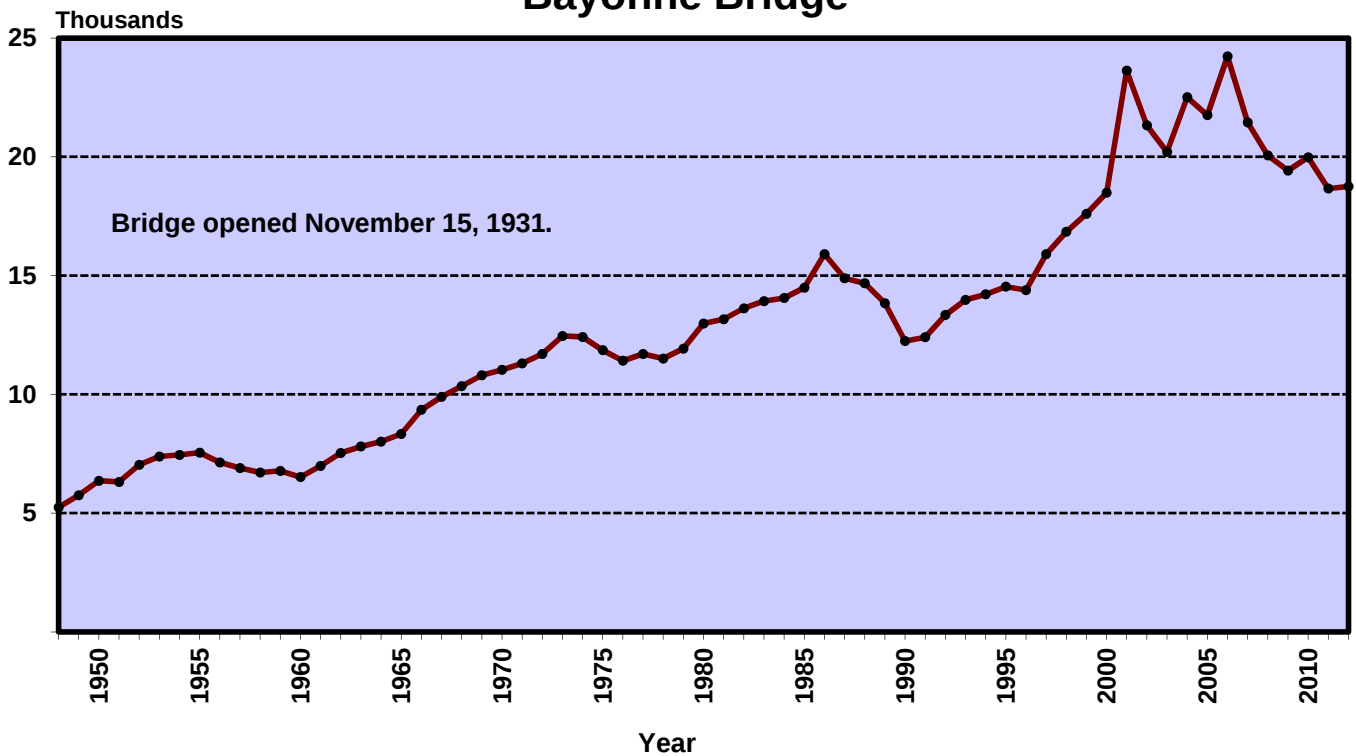
Classification based on October 2012 Data.

** Peak Volumes

Hourly Vehicular Volumes Bayonne Bridge ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Bayonne Bridge



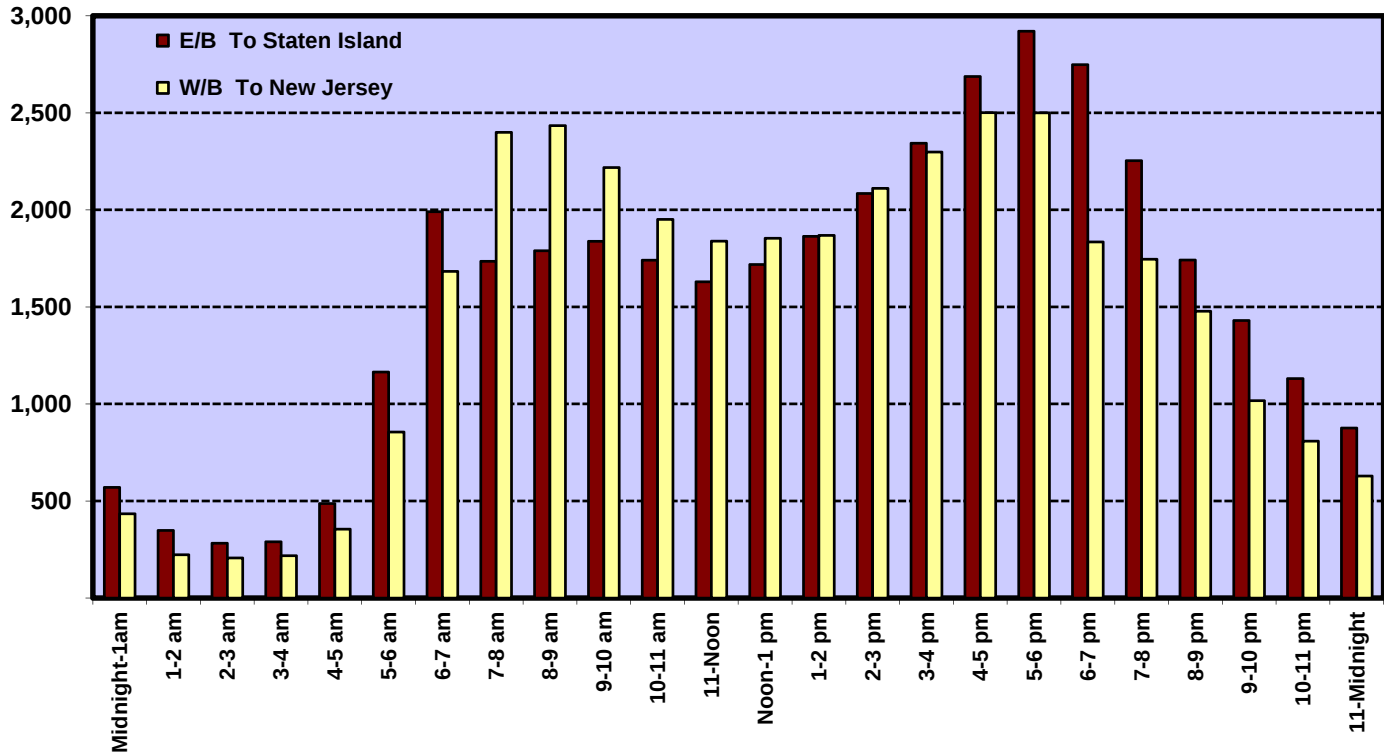
Hourly Vehicular Volumes Goethals Bridge - 2012

	Eastbound to Staten Island					Westbound to New Jersey					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	509	2	11	48	570	378	2	14	40	434	1,004
1-2am	286	3	12	48	349					223	572
2-3am	202	3	13	65	283					207	490
3-4am	182	1	27	80	290					218	508
4-5am	310	3	47	127	487					355	842
5-6am	863	7	103	192	1,165	757	14	35	50	856	2,021
6-7am	1,647	12	142	190	1,991	1,513	33	73	64	1,683	3,674
7-8am	1,418	20	133	164	1,735	2,154	54	99	93	2,400	4,135
8-9am	1,480	23	134	153	1,790	2,185	42	112	95	2,434	4,224
9-10am	1,498	35	146	159	1,838	1,942	17	127	132	2,218	4,056
10-11am	1,413	31	134	163	1,741	1,679	8	135	129	1,951	3,692
11-12am	1,354	15	117	144	1,630	1,562	8	131	138	1,839	3,469
12-1pm	1,465	9	114	131	1,719	1,532	10	156	156	1,854	3,573
1-2pm	1,626	7	111	120	1,864	1,536	16	166	151	1,869	3,733
2-3pm	1,848	9	108	120	2,085	1,807	14	161	129	2,111	4,196
3-4pm	2,125	22	99	98	2,344	2,085	6	125	82	2,298	4,642
4-5pm	2,502	21	91	73	2,687	2,303	6	118	74	2,501	5,188
5-6pm	2,743	37	71	70	2,921	2,306	4	99	91	2,500	5,421
6-7pm	2,589	48	47	64	2,748	1,729	5	52	49	1,835	4,583
7-8pm	2,128	33	40	53	2,254	1,665	5	44	32	1,746	4,000
8-9pm	1,664	12	30	36	1,742	1,411	4	27	36	1,478	3,220
9-10pm	1,357	5	23	45	1,430	975	1	18	23	1,017	2,447
10-11pm	1,070	4	17	40	1,131	754	2	7	46	809	1,940
11-12pm	821	4	13	38	876	579	2	11	37	629	1,505
Totals	33,100	366	1,783	2,421	37,670					35,465	73,135
7-10am	4,396	78	413	476	5,363	6,281	113	338	320	7,052	12,415
10am-1pm	4,232	55	365	438	5,090	4,773	26	422	423	5,644	10,734
1-4pm	5,599	38	318	338	6,293	5,428	36	452	362	6,278	12,571
4-7pm	7,834	106	209	207	8,356	6,338	15	269	214	6,836	15,192
7am-7pm	22,061	277	1,305	1,459	25,102	22,820	190	1,481	1,319	25,810	50,912
6-10am	6,043	90	555	666	7,354	7,794	146	411	384	8,735	16,089
3-7pm	9,959	128	308	305	10,700	8,423	21	394	296	9,134	19,834
6am-7pm	23,708	289	1,447	1,649	27,093	24,333	223	1,554	1,383	27,493	54,586

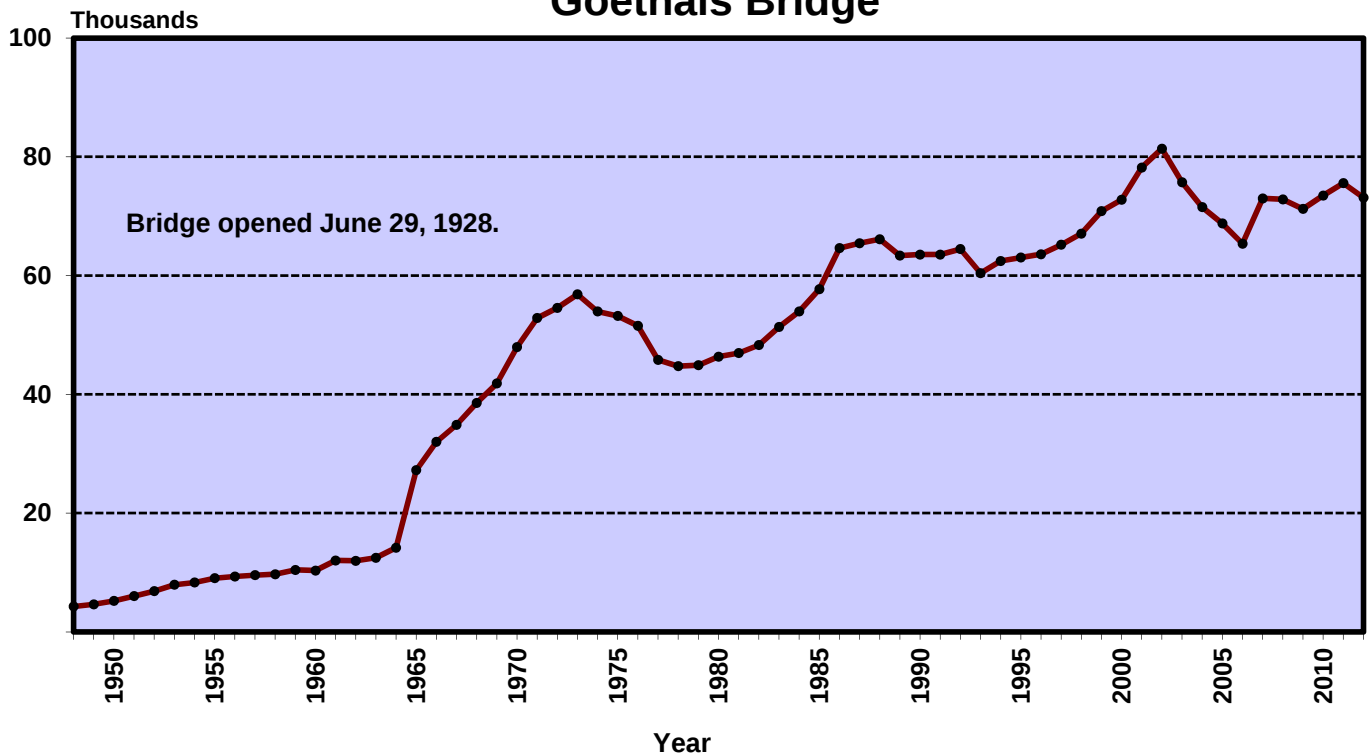
Classification based on October 2012 Data.

** Peak Volumes

Hourly Vehicular Volumes Goethals Bridge ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Goethals Bridge



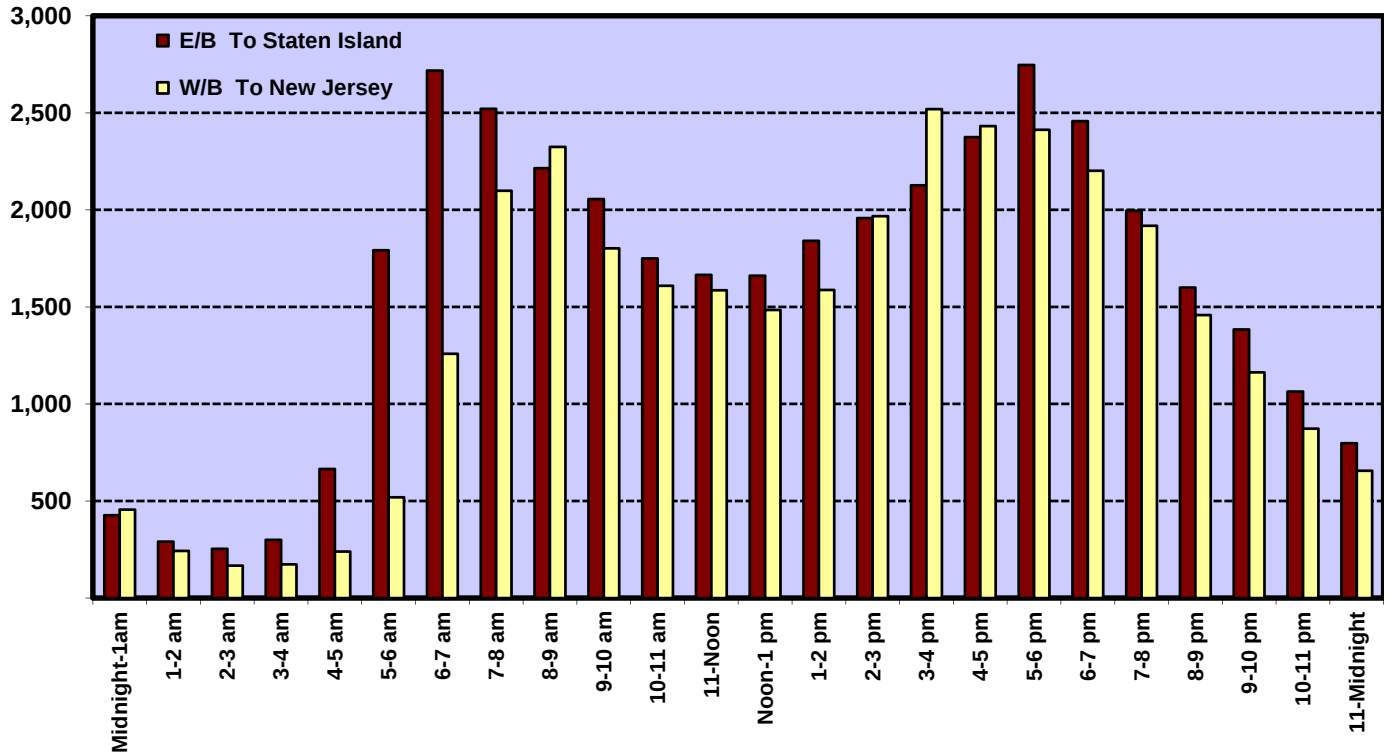
Hourly Vehicular Volumes Outerbridge Crossing - 2012

	Eastbound to Staten Island					Westbound to New Jersey					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	358	3	11	55	427	419	1	15	21	456	883
1-2am	209	3	10	69	291					243	534
2-3am	160	1	15	78	254					167	421
3-4am	176	3	27	94	300					174	474
4-5am	450	4	57	154	665					240	905
5-6am	1,555	4	92	141	1,792	450	0	30	39	519	2,311
6-7am	2,527	4	96	91	2,718	1,156	1	59	43	1,259	3,977
7-8am	2,345	3	98	75	2,521	1,970	1	74	54	2,099	4,620
8-9am	2,055	4	94	62	2,215	2,190	6	65	64	2,325	4,540
9-10am	1,870	4	91	91	2,056	1,635	18	80	69	1,802	3,858
10-11am	1,577	3	75	95	1,750	1,439	13	99	58	1,609	3,359
11-12am	1,511	4	68	82	1,665	1,423	5	96	62	1,586	3,251
12-1pm	1,524	4	65	68	1,661	1,335	3	89	58	1,485	3,146
1-2pm	1,710	7	63	61	1,841	1,411	4	107	66	1,588	3,429
2-3pm	1,827	4	69	58	1,958	1,825	1	94	48	1,968	3,926
3-4pm	2,018	6	64	39	2,127	2,397	0	71	51	2,519	4,646
4-5pm	2,290	8	50	27	2,375	2,343	1	64	24	2,432	4,807
5-6pm	2,666	8	46	27	2,747	2,356	1	27	29	2,413	5,160
6-7pm	2,384	10	36	27	2,457	2,130	4	31	37	2,202	4,659
7-8pm	1,922	14	24	36	1,996	1,858	8	30	22	1,918	3,914
8-9pm	1,521	8	24	47	1,600	1,416	6	17	19	1,458	3,058
9-10pm	1,312	4	20	48	1,384	1,116	6	12	29	1,163	2,547
10-11pm	993	2	18	51	1,064	812	4	20	37	873	1,937
11-12pm	731	2	14	51	798	622	0	11	23	656	1,454
Totals	35,691	117	1,227	1,627	38,662					33,154	71,816
7-10am	6,270	11	283	228	6,792	5,795	25	219	187	6,226	13,018
10am-1pm	4,612	11	208	245	5,076	4,197	21	284	178	4,680	9,756
1-4pm	5,555	17	196	158	5,926	5,633	5	272	165	6,075	12,001
4-7pm	7,340	26	132	81	7,579	6,829	6	122	90	7,047	14,626
7am-7pm	23,777	65	819	712	25,373	22,454	57	897	620	24,028	49,401
6-10am	8,797	15	379	319	9,510	6,951	26	278	230	7,485	16,995
3-7pm	9,358	32	196	120	9,706	9,226	6	193	141	9,566	19,272
6am-7pm	26,304	69	915	803	28,091	23,610	58	956	663	25,287	53,378

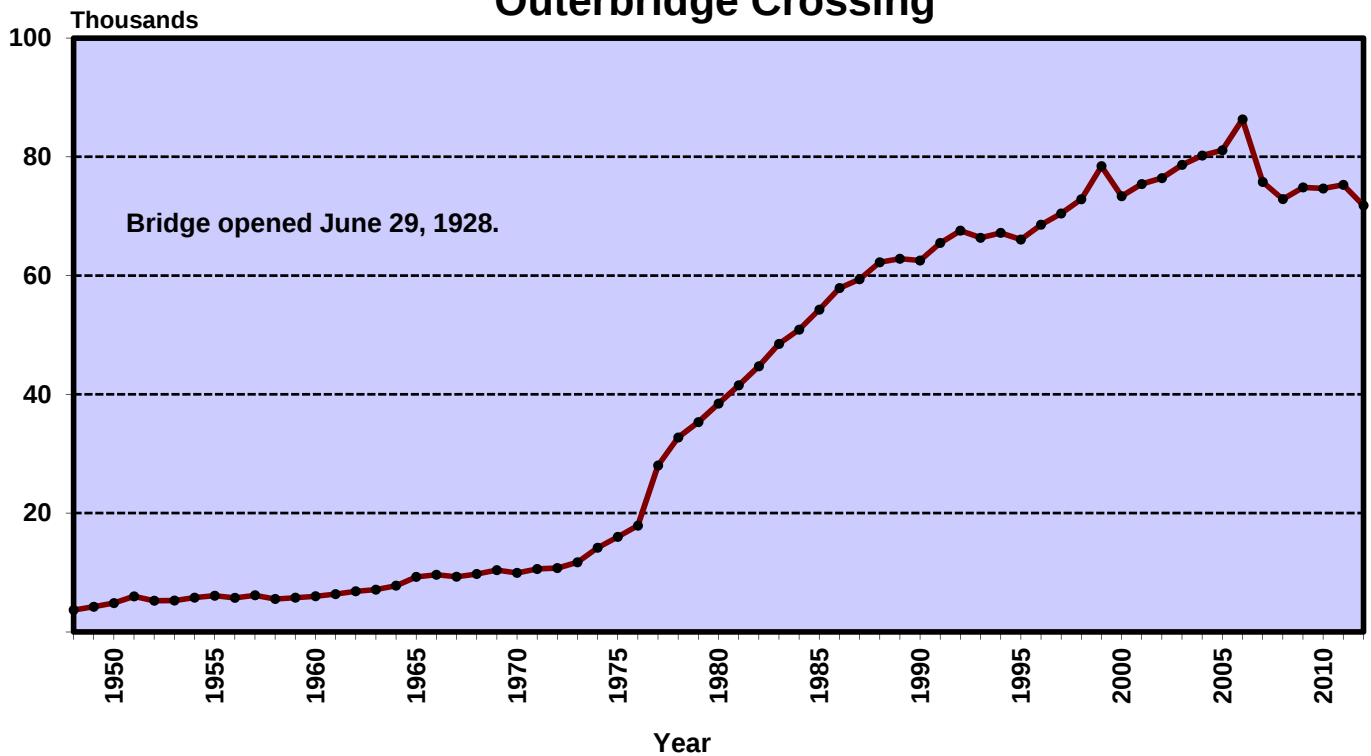
Classification based on October 2012 Data.

** Peak Volumes

Hourly Vehicular Volumes Outerbridge Crossing ~ 2012



Average Daily Traffic Volumes ~ Total of Both Directions Outerbridge Crossing



APPENDIX

2012 Bridge and Tunnel Reconstruction

APPENDIX

Major Bridge Reconstruction In 2012

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 2012 were as follows.

01/01 – 06/30:	11:00pm–6:00am 12:01am–7:00am 12:01am–9:00am	Sun–Fri, Sat, Sun.
07/01 – 07/13:	11:00pm–6:00am 12:01am–7:00am	Sun–Fri, Sat.
07/14 – 08/17:	10:30pm–6:00am 12:01am–7:00am 12:01am–9:00am	Sun–Fri, Sat, Sun.
08/18 – 10/05:	10:30pm–6:00am 12:01am–7:00am	Sun–Fri, Sat.
10/06 – 10/19:	10:30pm–6:00am 12:01am Sat. – 6:00am Mon.	Sun–Fri, Sat.
10/20 – 11/02:	10:30pm–6:00am 12:01am–7:00am 12:01am–9:00am	Sun–Fri, Sat, Sun.
12/10 –12/21:	10:30pm–6:00am 12:01am–7:00am 12:01am–9:00am	Sun–Fri, Sat, Sun.

On Gridlock Alert Days, closures did not begin until midnight.

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 9:00pm to 3:00pm.

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

There were no closures from December 22, 2012 to January 2, 2013.

Throughout 2012, 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 2012, trucks were permitted only on the two Lower Inner Roadways.

Throughout 2012, 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 10:00am on weekdays to accommodate Manhattan-bound HOVs (no trucks) carrying two or more occupants.

Throughout 2012, the North Outer Roadway was reserved for bicyclists and pedestrians.

Ed Koch Queensboro Bridge Operation: All 2012 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 6:00–10:00am weekdays, Closed for reversal 10:00–11:00am 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 2012.

02/18 – 02/26:	2:00am – 2:00pm	Sat-Sun-Mon.	Roadway closed.
03/02 – 03/17:	2:00am – 2:00pm	Sat-Sun.	Roadway closed.
10/27 – 11/16:	1:00am – 5:30am	Mon-Fri.	Rdwy closed intermittently.
	2:00am – 7:00am	Sat.	Rdwy closed intermittently.
	2:00am – 8:00am	Sun.	Rdwy closed intermittently.

One of two lanes on the South Upper Roadway was closed as follows in 2012.

06/16 - 06/17:	10:00am – 2:00pm	Mon-Fri,
	6:00am – 1:00pm	Sat-Sun.
06/23 - 12/31:	10:00am – 2:00pm	Mon-Fri.

North Upper Roadway lane closures were in effect as follows in 2012.

08/18 – 08/31:	10:00pm – 11:00pm	Fri-Sat.	1 of 2 lanes closed.
	6:00am – 2:00pm	Sat-Sun.	1 of 2 lanes closed.
	11:00pm – 6:00am	Fri-Sat.	Both lanes closed.

Throughout 2012, 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 2012. 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 2012

Note: During 2012, 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 for all vehicle types.
- Brooklyn-bound: 2 lanes on the South Upper Roadway.

- **10:00am – 2:00pm weekdays.**

Two of three lanes closed on the Lower Roadway.

- Manhattan-bound: 3 lanes.
 - 2 lanes on the North Upper Roadway (no trucks January 1 to March 16).
Truck ban during these hours discontinued as of March 17, 2012.
 - 1 lane on the Lower Roadway for all vehicle types.
- Brooklyn-bound: 2 lanes on the South Upper Roadway.

- **2:00pm – 3:00pm weekdays.**

Lower Roadway closed for reversal.

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

- **3:00pm – 9:00pm 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.

- **9:00pm – 9:30pm weekdays.**

Lower Roadway closed for reversal.

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

Manhattan Bridge Lower Roadway

- Available to all vehicle types at all times.
- Manhattan-bound trucks required to use the Lower Roadway during the following times.
 - Weekdays 6:00am – 2:00pm from Jan. 1 to March 16, 2012.
 - Weekdays 6:00am – 10:00am as of March 17, 2012.
- Access to westbound Canal Street in Manhattan.
- Off-peak lane closures as needed on the Lower Roadway.

Manhattan Bridge North Upper Roadway

- Manhattan-bound all hours.
- No trucks during the following times.
 - Weekdays 6:00am – 2:00pm from Jan. 1 to March 16, 2012.
 - Weekdays 6:00am – 10:00am as of March 17, 2012.
- Left lane reserved for buses and HOVs weekdays 6:00am – 10:00am. Access to the HOV lane from Brooklyn–Queens Expressway eastbound exit 29A, from Nassau Street, and from Flatbush Avenue–Tillary Street.
- Single-occupant cars permitted only in the right lane weekdays 6:00am – 10:00am, with access from Brooklyn–Queens Expressway eastbound exit 29A and from Nassau Street. Single-occupant cars are not permitted to access the North Upper Roadway from Flatbush Avenue–Tillary Street during these hours.
- When the Lower Roadway is Manhattan-bound, access in Manhattan from the North Upper Roadway is to northbound Chrystie Street and eastbound Canal Street only, with no access to westbound Canal Street from the North Upper Roadway during these hours. Drivers seeking access to westbound Canal Street during these hours must use the Lower Roadway.
- Off-peak lane closures as needed on the Manhattan-bound North Upper Roadway.

Manhattan Bridge South Upper Roadway

- Brooklyn-bound all hours for all vehicle types.
- Off-peak lane closures as needed on the Brooklyn-bound South Upper Roadway.

Throughout 2012, 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 2012 trucks were permitted only on the outer roadways.

Pedestrian and bicycle access was maintained on the bridge at all times throughout 2012.

Williamsburg Bridge Operation: January 1 – March 18, 2012, Except as noted below.

- **6:00am – 10:00am weekdays.**

Two lanes closed in the off-peak direction.

- Manhattan-bound: 4 lanes.
- Brooklyn-bound: 2 lanes.

- **10:00am – 3:00pm weekdays.**

Three lanes closed.

- Manhattan-bound: 3 lanes.
- Brooklyn-bound: 2 lanes.

- **All other times.**

- Manhattan-bound: 4 lanes.
- Brooklyn-bound: 4 lanes.

Williamsburg Bridge Operation: March 19 – April 2, 2012, Except as noted below.

- **6:00am – 10:00am weekdays.**

Two lanes closed in the off-peak direction.

- Manhattan-bound: 4 lanes.
- Brooklyn-bound: 2 lanes.

- **10:00am – 3:00pm weekdays.**

Three lanes closed.

- Manhattan-bound: 3 lanes.
- Brooklyn-bound: 2 lanes.

- **10:00pm – 5:00am Mon-Thu.**

Three lanes closed.

- Manhattan-bound: 3 lanes.
- Brooklyn-bound: 2 lanes.

- **All other times.**

- Manhattan-bound: 4 lanes.
- Brooklyn-bound: 4 lanes.

Williamsburg Bridge Operation: April 3 – June 29, 2012, Except as noted below.

Same as January 1– March 18 Above.

Williamsburg Bridge Operation: June 30 – August 3, 2012, Except as noted below.

- 2 eastbound lanes closed as needed weekdays 6am – 2pm.
- All other times.
 - Manhattan-bound: 4 lanes.
 - Brooklyn-bound: 4 lanes.

Williamsburg Bridge Operation: August 4 – December 31, 2012, Except as noted below.

- 2 westbound lanes closed 11pm – 5am, 1 night per week.
- 2 eastbound lanes closed as needed weekdays 6am – 2pm.
- All other times.
 - Manhattan-bound: 4 lanes.
 - Brooklyn-bound: 4 lanes.

The North Outer Roadway was closed as follows.

08/18-08/25: 12:01am – 7:00am Sat.
Manhattan-bound trucks banned from the bridge.

The South Inner Roadway was closed as follows.

02/25-03/04: 5:00am – Noon Sat-Sun.
03/10-04/08: 5:00am – Noon Sat.

Throughout 2012, 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)

Starting July 14, 2012 and continuing through December 7, 2012, 4 lanes of traffic were maintained on the eastbound Alexander Hamilton Bridge (Cross Bronx Expressway). However, west of this area from the lower level of the George Washington Bridge, 2 lanes were reduced to 1 lane to accommodate a slip ramp for the upper level truck traffic to gain access to the Major Deegan Expressway. The 2 lanes of traffic from the upper level of the George Washington Bridge were maintained at all times. This traffic pattern was necessary to facilitate NYSDOT roadway rehabilitation.

Throughout 2012, there were additional closures of single lanes in each direction on the Alexander Hamilton Bridge during off-peak hours.

Broadway Bridge (Harlem River between Bronx & Manhattan)

2 of 3 northbound (Bronx-bound) lanes were closed as follows.

03/26-03/29: 11:00pm - 5:00am Mon-Thu.

2 of 3 southbound (Manhattan-bound) lanes were closed as follows.

04/09-08/03: 11:00pm - 5:00am Mon-Fri, 2 S/B lanes closed as needed.
11:00pm Fri – 9:00am Sat. 2 S/B lanes closed as needed.

Throughout 2012, there were additional closures of single lanes in each direction on the Broadway Bridge during off-peak hours.

Willis Avenue Bridge (Harlem River from Manhattan to Bronx)

The entire bridge was closed for testing operations as follows:

01/10-01/14:	1:00am - 5:30am	Tue-Fri,
	2:00am - 6:00am	Sat.
03/06-03/10:	1:00am - 5:30am	Tue-Fri.
	2:00am - 6:00am	Sat.
04/17-05/05:	1:00am - 5:30am	Tue-Fri.
	2:00am - 6:00am	Sat.
07/17:	1:00am - 5:30am	Tue.
07/21:	2:00am - 6:00am	Sat.
08/14-08/18:	1:00am - 5:30am	Tue-Fri,
	2:00am - 6:00am	Sat.
08/31:	1:00am - 5:30am	Fri. Bridge closed as needed.
09/05:	1:00am - 5:30am	Wed. Bridge closed as needed.
09/18-09/22:	1:00am - 5:30am	Tue-Fri,
	2:00am - 6:00am	Sat.
10/02-11/03:	1:00am - 5:30am	Tue-Fri,
	2:00am - 6:00am	Sat.
12/04-12/15:	1:00am - 5:30am	Tue-Fri,
	2:00am - 6:00am	Sat.

Throughout 2012, there were additional lane closures on the Willis Avenue Bridge as needed during off-peak hours.

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

The entire bridge was fully closed as needed in 2012 according to the following schedule for testing operations.

03/26–03/31: 10:00pm – 6:00am Weeknights, Bridge closed as needed
12:01am – 7:00am Sat. for testing operations.

Throughout 2012, there were additional closures of single lanes in each direction on the 145th Street Bridge and its approach ramps as needed during off-peak hours.

Eastern Boulevard Bridge (Bruckner Expressway over Bronx River)

Eastbound Main Roadway (Bruckner Expressway) lane closures were in effect as follows.

01/01–12/07:	1:00am – 5:30am	Weeknights.	<i>1 lane closed as needed.</i>
	1:00am – 6:00am	Sat.	<i>1 lane closed as needed.</i>
	1:00am – 7:00am	Sun.	<i>1 lane closed as needed.</i>

04/09–04/13:	12:01am – 5:00am	1 night only.	<i>2 lanes closed.</i>
--------------	------------------	---------------	------------------------

04/14–04/21:	1:00am – 6:30am	Sat.	<i>2 lanes closed.</i>
--------------	-----------------	------	------------------------

06/22–06/24:	11:59 pm Fri – 10:00am Sun	10:00am Sun	<i>All lanes closed.</i>
--------------	----------------------------	-------------	--------------------------

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

01/01–12/07:	10:00pm – 5:30am	Weeknights.	<i>1 lane closed as needed.</i>
	12:01am – 6:00am	Sat.	<i>1 lane closed as needed.</i>
	12:01am – 7:00am	Sun.	<i>1 lane closed as needed.</i>

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

01/01–09/07:	10:00pm – 5:00am	Weeknights.	<i>All lanes closed as needed.</i>
--------------	------------------	-------------	------------------------------------

Throughout 2012, 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)

Northbound lane closures were in effect as follows:

04/14–05/04:	11:00pm – 5:00am	Mon-Sat	<i>2 lanes closed as needed.</i>
--------------	------------------	---------	----------------------------------

07/28–09/28:	11:00pm – 5:00am	Mon-Sat	<i>2 lanes closed as needed.</i>
--------------	------------------	---------	----------------------------------

Southbound lane closures were in effect as follows:

08/25–09/28:	11:00pm – 5:00am	Mon-Sat	<i>2 lanes closed as needed.</i>
--------------	------------------	---------	----------------------------------

Throughout 2012, there were additional closures of single lanes in each direction on the Hutchinson River Parkway Bridge during off-peak hours.

Pelham Bridge (Eastchester Bay, Bronx)

Southbound lane closures were in effect as follows:

04/09–12/31:	Round-the-clock	<i>1 lane closed.</i>
--------------	-----------------	-----------------------

Throughout 2012, there were additional closures of single lanes in each direction on the Pelham Bridge during off-peak hours.

Unionport Bridge (Westchester Creek, Bronx)

One eastbound lane and the entrance ramp from Zerega Avenues to the Hutchinson River Parkway/Bruckner Expressway were closed as follows.

02/06–02/09: 11:00pm – 5:00am Mon-Thu 1 night only.

Throughout 2012, there were additional closures of single lanes in each direction on the Unionport Bridge during off-peak hours.

Hamilton Avenue Bridge (Gowanus Canal, Brooklyn)

Throughout 2012, there were intermittent closures of single lanes in both directions as needed during off-peak hours.

Mill Basin Bridge (Belt Parkway, Brooklyn)

Throughout 2012, there were off-peak lane closures on the Belt Parkway in the vicinity of the Mill Basin Bridge during off-peak hours.

Flushing Bridge (Northern Boulevard over Flushing River, Queens)

Eastbound lane closures were in effect as follows.

04/09-07/27:	11:00pm - 6:00am	Mon.-Fri.	1 E/B lane closed as needed.
	11:00pm	Fri - 2:00pm Sat.	1 E/B lane closed as needed.
	12:01am – 5:00am	Mon.-Fri.	2 E/B lanes closed as needed.
	1:00am – 6:30am	Sat.	2 E/B lanes closed as needed.

Throughout 2012, there were additional closures of single lanes in each direction on the Flushing Bridge during off-peak hours.

Joseph P. Addabbo Bridge (Cross Bay Boulevard, Queens)

Southbound lane closures were in effect as follows.

04/14-08/24: 6:00am - 2:00pm Mon.-Fri. 2 S/B lanes closed.

Throughout 2012, there were additional closures of single lanes in each direction on the Joseph P. Addabbo 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.

05/07-05/18: 10:00am - 2:00pm Weekdays Intermittent 15-minute closures.

Throughout 2012, 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)

From October 27 to October 31, two of three lanes on the southbound service road of the Whitestone Expressway were closed weeknights between 11pm and 5am. The southbound entrance from the service road to the Whitestone Expressway Bridge at Ulmer Street is in this section.

Throughout 2012, there were additional closures of single lanes in each direction on the Whitestone Expressway Bridge during off-peak hours.

Henry Hudson Bridge

Throughout 2012, 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.

The Kappock Street exit from the Bronx-bound upper level was closed as follows.

03/12-03/23: Round-the-clock All days.

08/13-08/29: Round-the-clock All days.

Throughout 2012, there were additional intermittent lane closures in both directions on the Henry Hudson Bridge during off-peak hours.

Hugh L. Carey Tunnel (Brooklyn-Battery Tunnel)

Throughout 2012, the inbound exit to Trinity Place was closed weekdays between 6:00-10:00am, and between 3:00-7:00pm.

Throughout 2012, 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 weekend tube closures. One tube (2 lanes) was closed from 10:00pm Friday through 5:00am Monday as follows.

01/13-02/20: 10:00pm Friday - 5:00am Monday One tube closed.

04/13-04/30: 10:00pm Friday - 5:00am Monday One tube closed.

06/22-06/25: 10:00pm Friday - 5:00am Monday One tube closed.

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

One tube was also closed during the following additional times:

10/22: 10:00am - 2:00pm Mon. *One tube closed.*

2-way traffic was maintained in the open tube during this time.

12/08-12/16: 3:00am - 1:00pm Sat-Sun.

One tube closed for post-Sandy repair work.

2-way traffic was maintained in the open tube during this time.

Throughout 2012, 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.

10/19-10/29: 11:00pm Friday – 2:00am Monday.
2-way traffic maintained in the open tube for cars & NYCT buses only.

Throughout 2012, 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, lane closures were in effect as follows.

01/30:	1:00am – 3:00am	Mon.	All lanes closed both directions.
04/13:	1:00am – 3:00am	Fri.	All lanes closed both directions.
05/15:	12:01am – 5:00am	Tue.	<i>Intermittent 15 minute closures of all lanes in both directions.</i>
07/17:	3:00pm (Approximate)	Tue.	<i>20 minute closure of all lanes in both directions.</i>
10/26:	12:01am – 5:00am	Fri.	<i>Intermittent 15 minute closures of all lanes in both directions.</i>
12/28:	1:00am – 5:00am	Fri.	<i>Intermittent 15 minute closures of all lanes in both directions.</i>

On the Queens to Manhattan ramp, lane closures were in effect as follows.

02/27-03/12	Round-the-clock.	All days.	Center lane closed.
04/05-04/06	10:00am Thu – 5:00am Fri.		2 of 3 lanes closed.

On the Manhattan to Queens ramp, lane closures were in effect as follows.

03/02-03/12	9:00pm Fri. to 5:00am Mon.		2 of 3 lanes closed.
-------------	----------------------------	--	----------------------

The Randall's Island ramp was closed to traffic entering Randall's Island as follows.

03/12-04/06	Round-the-clock.	All days.
-------------	------------------	-----------

Bronx-Whitestone Bridge

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

03/13–03/23:	10:00pm – 5:00am	Mon-Fri.	
	11:00pm Fri – 7:00am Sat.		
	<i>2 of 3 S/B lanes closed on the bridge.</i>		
04/02–04/03:	10:00pm Mon – 5:00am Tue.		
	<i>2 of 3 S/B lanes closed on the bridge.</i>		
04/11–04/12:	10:00pm Wed – 6:00am Thu.		
	<i>2 of 3 S/B lanes closed on the bridge.</i>		
04/12–04/13:	9:00pm Thu – 6:00am Fri.		
	<i>2 of 3 S/B lanes closed on the bridge.</i>		

04/13–04/14: 11:00pm Fri – 8:00am Sat.
2 of 3 S/B lanes closed on the bridge.

04/16–04/17: 10:00pm Mon – 6:00am Tue.
2 of 3 S/B lanes closed on the bridge.

04/17–04/18: 10:00pm Tue – 6:00am Wed.
2 of 3 S/B lanes closed on the bridge.

04/20–04/21: 10:00pm Fri – 6:00am Sat.
2 of 3 S/B lanes closed on the bridge.

04/30–05/04: 10:00pm – 5:00am Mon-Fri.
2 of 3 S/B lanes closed on the Queens approach roadway.

05/07–05/09: 10:00pm – 5:00am Mon-Wed.
2 of 3 S/B lanes closed on the Queens approach roadway.

06/08–06/09: 11:00pm – 8:00am Fri-Sat.
2 of 3 S/B lanes closed on the bridge.

07/09–07/10: 10:00pm – 5:30am Mon-Tue.
2 of 3 S/B lanes closed on the bridge.

08/22–08/23: 2:00am – 3:00am Wed-Thu.
Entire bridge completely closed in both directions for 15 minutes.

Northbound (Bronx-bound) closures were in effect as follows.

04/02–04/03: 10:00pm Mon – 5:00am Tue.
2 of 3 N/B lanes closed on the bridge.

04/30–05/04: 10:00pm – 5:00am Mon-Fri.
2 of 3 N/B lanes closed on the Queens approach roadway.

06/04– / : 10:00pm – 5:30am Mon-Fri.
2 of 3 N/B lanes closed on the bridge.

07/09–07/10: 10:00pm – 5:30am Mon-Tue.
2 of 3 N/B lanes closed on the bridge.

Cross Bay Veterans Memorial Bridge

Southbound (to The Rockaways) closures were in effect as follows.

04/23–05/04: 7:00am – 3:30pm Mon-Fri.
Beach Channel Drive eastbound ramp closed.

05/14–05/18: 7:00am – 3:30pm Mon-Fri.
Beach Channel Drive eastbound ramp closed.

05/14–07/27: 7:00am – 6:30pm Mon-Fri. *1 S/B lane closed on the bridge.*

07/28– / : 7:00am – 6:30pm Mon-Fri. *1 S/B lane closed on the bridge.*
 6:00am – 4:00pm Sat. *1 S/B lane closed on the bridge.*

Northbound (to Queens) closures were in effect as follows.

05/21–07/20: 7:00am – 6:30pm Mon-Fri. *1 N/B lane closed on the bridge.*

07/23–07/27: 9:00am – 5:00pm Mon-Thu. *2 N/B lanes closed on the bridge.*
 9:00am – 3:00pm Fri. *2 N/B lanes closed on the bridge.*

07/28–	/	:	9:00am – 5:00pm	Mon-Thu.	2 N/B lanes closed on the bridge.
			9:00am – 3:00pm	Fri.	2 N/B lanes closed on the bridge.
			6:00am – 4:00pm	Sat.	1 N/B lane closed on the bridge.
08/22–08/23:			2:00am – 3:00am	Wed-Thu.	
<i>Entire bridge completely closed in both directions for 15 minutes.</i>					

Marine Parkway Gil Hodges Memorial Bridge

There were maintenance and inspection bridge lifts requiring intermittent closures of the bridge to vehicular traffic according to the following schedule.

01/26–	/	:	All Hours		
<i>Intermittent 15-minute maintenance lifts.</i>					
07/10–07/12:			10:00pm-5:00am	Tue-Thu.	
<i>Intermittent 30-40 minute maintenance and inspection lifts.</i>					

Throughout 2012, there were additional intermittent closures of single lanes in both directions on the Marine Parkway Gil Hodges Memorial Bridge during off-peak hours.

Throgs Neck Bridge

Northbound (Bronx-bound) closures were in effect as follows.

06/01–07/09: 6 Weekends:

- 1 Bronx-bound approach roadway lane closed all weekend from 10:00pm Friday to 5:00am Monday.
- 1 lane closed on the Clearview Expressway approach from 10:00pm Friday to 5:00am Monday.
- Bronx-bound Cross Island Parkway ramp closed to all traffic 10:00pm to 7:00am Friday and Saturday nights, and 10:00pm to 5:00am on Sunday night.

06/25–06/26: 11:30pm – 5:00am Mon-Tue.

Cross Island Parkway ramp to The Bronx closed.

08/24–08/27:

- 1 Bronx-bound approach roadway lane closed all weekend from 10:00pm Friday to 5:00am Monday.
- Bronx-bound Cross Island Parkway ramp closed to all traffic as follows:
 - 10:00pm Friday to 7:00am Saturday,
 - 10:00pm Saturday to 7:00am Sunday,
 - 10:00pm Sunday to 5:00am Monday.

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

10/22–11/09:	Round-the-clock.	All days.	Center lane closed,
	10:00pm – 5:00am.	Mon-Fri.	1 additional lane closed,
	10:00pm – 7:00am	Sat-Sun.	1 additional lane closed.

Throughout 2012, there were additional intermittent closures of single lanes on the Throgs Neck Bridge during off-peak hours.

Verrazano-Narrows Bridge

Throughout 2012, trucks were required to use the upper level.

On Saturday, January 28, between 12:01am and 7:00am, 3 of 4 lanes on the eastbound Staten Island Expressway were closed from the Fingerboard Bridge overpass to the Verrazano Bridge toll plaza. Eastbound wide-load trucks were banned from the bridge during this time.

Throughout 2012, major improvements were under way at the toll plaza and on the Staten Island Expressway, which required lane closures and changes in the traffic patterns in both directions.

The Belt Parkway ramp to the bridge was closed as follows.

03/25: 12:01am – 5:00am Sun.

Brooklyn-bound closures were in effect as follows.

04/14: 12:01am – 2:00am Sat.
2 lanes closed from Staten Is. Exp. Lily Pond exit through the toll plaza.

04/14: 2:00am – 7:00am Sat.
3 lanes closed from Staten Is. Exp. Lily Pond exit through the toll plaza.

05/06: 12:01am – 6:00pm Sun.
Brooklyn-bound Lower Level closed for 5 Boro Bike Tour. 2 of 3 lanes reopened approximately 8:00am.

Staten Island-bound closures were in effect as follows.

05/06: 12:01am – 6:00pm Sun.
Staten Island-bound Lower Level closed for 5 Boro Bike Tour.

The Verrazano Narrows Bridge was completely closed for the ING NYC Marathon as follows:

11/03-11/04: 11:00pm Sat. to approximately 3:00pm Sun. *Upper Level closed.*
11/04 7:00am-3:00pm Sun. *Entire Bridge closed.*

In addition, the Bay Street and Lily Pond Avenue exits in Staten Island were closed on Sunday, November 4, from 3:00am to approximately 3:00pm.

Throughout 2012, 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)

Throughout 2012, there were intermittent closures of single lanes during off-peak hours to facilitate PANYNJ maintenance work.

Holland Tunnel (Hudson River between Manhattan & New Jersey)

As of January 3, 2010, the restriction that prohibited 2-axle and 3-axle single unit trucks from using the eastbound tunnel to New York was lifted. All 4-axle, 5-axle, and 6-axle trucks, as

well as 3-axle dual unit trucks, trailers, and towed vehicles remained restricted from using the tunnel in both directions.

Westbound (to New Jersey) lane closures were in effect in the Holland Tunnel as follows.

01/01-11/02:	11:30pm – 5:30am	Mon–Fri.	1 W/B lane closed.
	12:01am – 8:00am	Sat.	1 W/B lane closed.
04/21-04/22:	1:00am – 8:00am	Sat–Sun.	
	<i>Tunnel completely closed W/B to New Jersey.</i>		

Lincoln Tunnel (Hudson River between Manhattan & New Jersey)

One of the three tubes of the Lincoln Tunnel was closed as follows.

01/01-11/02	11:00pm – 5:00am	Mon–Fri.	<i>Two tubes open, providing two traffic lanes in each direction.</i>
	1:00am – 9:00am	Sat.	
	1:00am – 10:00am	Sun.	

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

Throughout 2012, there were intermittent closures of one of the two lanes in either or both directions weekdays between 6:30am and 2:00pm.

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

Throughout 2012, there were intermittent closures of one of the two lanes in either or both directions weeknights between 9:00pm and 5:00am.

