

New York City Bridge Traffic Volumes 2008



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A member of the New York Metropolitan Transportation Council

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**NEW YORK CITY
BRIDGE TRAFFIC VOLUMES
2008**

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Introduction

INTRODUCTION

The 2008 *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), and the Safe, Accountable, Flexible, Efficient Transportation Equity Act – A Legacy For Users (SAFETEA – LU).

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 2008 *New York City Bridge Traffic Volumes* report summarizes vehicular volumes, classification data, and trends for the 47 bridges that cross over water. Volume and trend information also is 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. A regression analysis of the total daily volumes for each facility for the years 1948-2008 was performed in order to develop trend information. In addition, changes in the traffic volumes for all facilities over the past 60 years are shown in graphical form.

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.

The report presents annual growth rates for each bridge. These growth rates are derived from the linear regression equation, which reflects the best fitting straight line for the data plotted. 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



SUMMARY

2008 Volumes

- In 2008, daily traffic on the 47 bridges operated by the New York City Department of Transportation decreased 2.6%, to 2.666 million from 2.737 million in 2007.
- Daily traffic on the four East River bridges decreased 3.9%, to 477,200 in fall 2008 from 496,700 in fall 2007.
- Daily volume using the nine Harlem River bridges decreased 3.3%, to 539,400 in 2008 from 557,900 in 2007.
- Daily traffic using the four bridges over Newtown Creek between Queens and Brooklyn decreased 1.7%, to 258,800 in 2008 from 263,300 in 2007.
- On the eight bridges in The Bronx, daily traffic increased 0.1%, to 454,300 from 453,600.
- On the ten bridges in Brooklyn, daily traffic decreased 1.9%, to 327,600 from 334,000.
- On the eleven bridges in Queens, daily traffic decreased 3.2%, to 544,100 from 562,100.
- Daily traffic on the Fresh Kills Bridge in Staten Island decreased 6.2%, to 64,700 from 69,000.
- The most heavily used City-operated water crossing in 2008 was the Whitestone Expressway Bridge, which carried 193,100 daily vehicles across the Flushing River in Queens.
- Other high volume bridges were the Alexander Hamilton Bridge over the Harlem River between The Bronx and Manhattan (189,600 daily vehicles), the Kosciuszko Bridge over Newtown Creek between Brooklyn and Queens (181,800), the Queensboro Bridge over the East River between Manhattan and Queens (176,300), the Eastern Boulevard Bridge over the Bronx River in The Bronx (174,600), the Mill Basin Bridge on the Belt Parkway in Brooklyn (144,000), the Brooklyn Bridge over the East River between Brooklyn and Manhattan (123,800), and the Hutchinson River Parkway Bridge in The Bronx (121,500).

Major Increases

- On bridges carrying more than 50,000 daily vehicles, the largest percentage increase was on the Unionport Bridge over Westchester Creek in The Bronx, where daily traffic increased 4.1%, to 62,300 daily vehicles in 2008 from 59,900 in 2007. The largest numerical increase was on the Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx (+3,800 daily vehicles, to 121,500 in 2008 from 117,700 in 2007).
- On bridges carrying fewer than 50,000 daily vehicles, the Rikers Island Bridge in Queens had the highest percentage increase (+15.7%), and the highest numerical increase (+2,100 daily vehicles, to 15,600 in 2008 from 13,500 in 2007).

Major Decreases

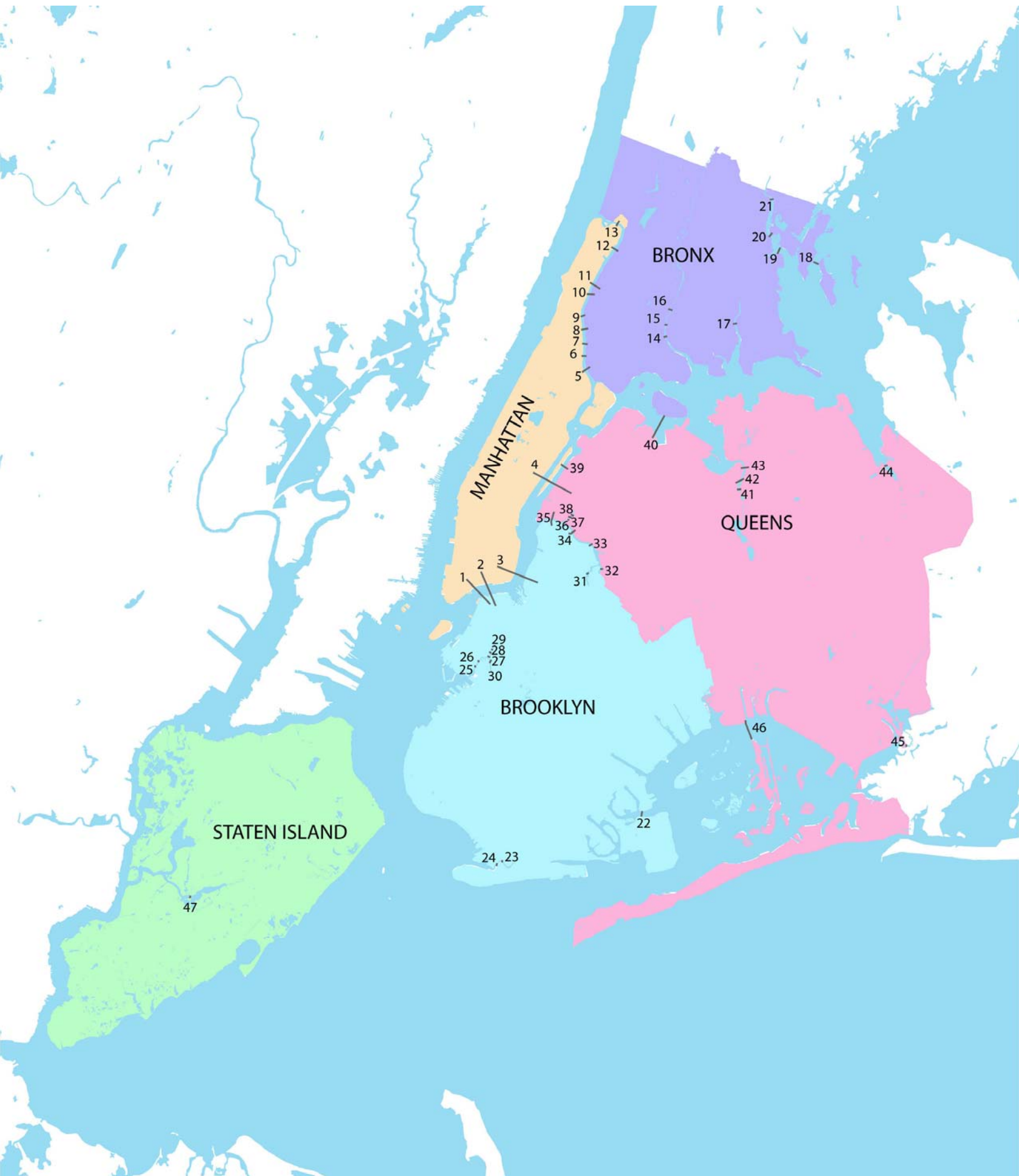
- On bridges carrying more than 50,000 daily vehicles, the Washington Bridge over the Harlem River between Manhattan and The Bronx showed the largest percentage decline (-7.3%, to 52,800 daily vehicles in 2008 from 56,900 in 2007). The largest numerical decrease was on

the Whitestone Expressway Bridge over the Flushing River in Queens, where daily traffic decreased by 9,300 vehicles, to 193,100 from 202,400.

- On bridges carrying fewer than 50,000 daily vehicles, the Joseph P. Addabbo Memorial Bridge (North Channel Bridge) over Jamaica Bay in Queens showed the largest percentage reduction (-8.5%, to 22,300 daily vehicles in 2008 from 24,400 in 2007). The largest numerical decrease was on the Madison Avenue Bridge over the Harlem River between Manhattan and The Bronx, where daily traffic decreased by 2,900 vehicles, to 41,700 in 2008 from 44,600 in 2007.

Bridges Maintained by the New York City Department of Transportation

Number	Bridge Name	Borough	Water Crossing
1.	Brooklyn Bridge	Manhattan-Brooklyn	East River
2.	Manhattan Bridge	Manhattan-Brooklyn	East River
3.	Williamsburg Bridge	Manhattan-Brooklyn	East River
4.	Queensboro Bridge	Manhattan-Queens	East River
5.	Willis Avenue Bridge	Manhattan-Bronx	Harlem River
6.	Third Avenue Bridge	Manhattan-Bronx	Harlem River
7.	Madison Avenue Bridge	Manhattan-Bronx	Harlem River
8.	145th Street Bridge	Manhattan-Bronx	Harlem River
9.	Macombs Dam Bridge	Manhattan-Bronx	Harlem River
10.	Alexander Hamilton Bridge	Manhattan-Bronx	Harlem River
11.	Washington Bridge	Manhattan-Bronx	Harlem River
12.	University Heights Bridge	Manhattan-Bronx	Harlem River
13.	Broadway Bridge	Manhattan-Bronx	Harlem River
14.	Eastern Boulevard Bridge	Bronx	Bronx River
15.	Westchester Avenue Bridge	Bronx	Bronx River
16.	East 174th Street Bridge	Bronx	Bronx River
17.	Unionport Bridge	Bronx	Westchester Creek
18.	City Island Bridge	Bronx	Pelham Bay Narrows
19.	Pelham Bridge	Bronx	Eastchester Creek
20.	Hutchinson River Parkway Bridge	Bronx	Eastchester Creek
21.	Eastchester Bridge	Bronx	Eastchester Creek
22.	Mill Basin Bridge	Brooklyn	Mill Basin
23.	Stillwell Avenue Bridge	Brooklyn	Coney Island Creek
24.	Cropsey Avenue Bridge	Brooklyn	Coney Island Creek
25.	Hamilton Avenue Bridge	Brooklyn	Gowanus Canal
26.	Ninth Street Bridge	Brooklyn	Gowanus Canal
27.	Third Street Bridge	Brooklyn	Gowanus Canal
28.	Carroll Street Bridge	Brooklyn	Gowanus Canal
29.	Union Street Bridge	Brooklyn	Gowanus Canal
30.	Third Avenue Bridge	Brooklyn	Fifth Street Basin
31.	Metropolitan Avenue Bridge	Brooklyn	English Kills
32.	Grand Street Bridge	Brooklyn-Queens	Newtown Creek
33.	Kosciuszko Bridge	Brooklyn-Queens	Newtown Creek
34.	Greenpoint Avenue Bridge	Brooklyn-Queens	Newtown Creek
35.	Pulaski Bridge	Brooklyn-Queens	Newtown Creek
36.	Borden Avenue Bridge	Queens	Dutch Kills
37.	Midtown Highway Bridge	Queens	Dutch Kills
38.	Hunters Point Avenue Bridge	Queens	Dutch Kills
39.	Roosevelt Island Bridge	Queens	East River East Channel
40.	Rikers Island Bridge	Queens	Rikers Island Channel
41.	Roosevelt Avenue Bridge	Queens	Flushing River
42.	Flushing Bridge	Queens	Flushing Channel
43.	Whitestone Expressway Bridge	Queens	Flushing Channel
44.	Little Neck Bridge	Queens	Alley Creek
45.	Hook Creek Bridge	Queens	Hook Creek
46.	North Channel Bridge	Queens	Jamaica Bay
47.	Fresh Kills Bridge	Staten Island	Richmond Creek



2007-2008 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
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EAST RIVER BRIDGES	Highway Functional Classification	2007	2008	Percent Change
Brooklyn Bridge	Principal Arterial	131,551	123,781	- 5.9 %
Manhattan Bridge	Principal Arterial	73,205	70,341	- 3.9 %
Queensboro Bridge	Principal Arterial	181,365	176,306	- 2.8 %
Williamsburg Bridge	Principal Arterial	110,545	106,783	- 3.4 %
Total, 4 East River Bridges		496,666	477,211	- 3.9 %
HARLEM RIVER BRIDGES				
Alexander Hamilton Bridge	Interstate	192,651	189,598	- 1.6 %
Broadway Bridge	Principal Arterial	35,523	33,266	- 6.4 %
Macombs Dam Bridge	Principal Arterial	40,749	38,897	- 4.5 %
Madison Avenue Bridge	Principal Arterial	44,663	41,740	- 6.5 %
Third Avenue Bridge	Principal Arterial	59,712	58,510	- 2.0 %
University Heights Bridge	Principal Arterial	41,422	39,340	- 5.0 %
Washington Bridge	Minor Arterial	56,945	52,768	- 7.3 %
Willis Avenue Bridge	Principal Arterial	65,113	62,167	- 4.5 %
145th Street Bridge	Minor Arterial	21,147	23,148	9.5 %
Total, 9 Harlem River Bridges		557,925	539,434	- 3.3 %
BROOKLYN-QUEENS BRIDGES				
Grand Street Bridge	Principal Arterial	12,585	13,031	3.5 %
Greenpoint Avenue Bridge *	Principal Arterial	27,027	26,926	- 0.4 %
Kosciuszko Bridge	Interstate	186,493	181,783	- 2.5 %
Pulaski Bridge	Principal Arterial	37,221	37,019	- 0.5 %
Total, 4 Brooklyn-Queens Bridges (Over Newtown Creek)		263,326	258,759	- 1.7 %
BRONX BRIDGES				
City Island Bridge	Minor Arterial	15,188	15,955	5.1 %
East 174th Street Bridge	Minor Arterial	14,436	14,158	- 1.9 %
Eastchester Bridge	Principal Arterial	21,431	20,842	- 2.7 %
Eastern Boulevard Bridge	Interstate	180,128	174,597	- 3.1 %
Hutchinson River Bridge	Principal Arterial	117,660	121,499	3.3 %
Pelham Bridge	Minor Arterial	19,041	19,131	0.5 %
Unionport Bridge	Principal Arterial	59,906	62,342	4.1 %
Westchester Avenue Bridge	Principal Arterial	25,846	25,789	- 0.2 %
Total, 8 Bronx Bridges		453,636	454,313	0.1 %

* Also known as J.J. Byrne Memorial Bridge.

2007-2008 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
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BROOKLYN BRIDGES	Highway Functional Classification	2007	2008	Percent Change
Carroll Street Bridge	Local	1,116	1,103	- 1.2 %
Cropsey Avenue Bridge	Principal Arterial	36,395	35,881	- 1.4 %
Hamilton Avenue Bridge	Principal Arterial	54,632	52,731	- 3.5 %
Metropolitan Avenue Bridge	Principal Arterial	37,332	38,587	3.4 %
Mill Basin Bridge	Principal Arterial	148,802	144,010	- 3.2 %
Ninth Street Bridge	Minor Arterial	11,903	13,362	12.3 %
Stillwell Avenue Bridge	Principal Arterial	10,085	10,197	1.1 %
Third Avenue Bridge	Principal Arterial	19,410	17,901	- 7.8 %
Third Street Bridge	Minor Arterial	9,937	9,482	- 4.6 %
Union Street Bridge	Minor Arterial	4,343	4,390	1.1 %
Total, 10 Brooklyn Bridges		333,955	327,644	- 1.9 %

QUEENS BRIDGES				
Borden Avenue Bridge	Minor Arterial	15,747	15,002	- 4.7 %
Flushing Bridge	Principal Arterial	57,437	56,179	- 2.2 %
Hook Creek Bridge	Principal Arterial	77,759	75,460	- 3.0 %
Hunters Point Bridge	Collector	7,705	7,165	- 7.0 %
Joseph P. Addabbo Bridge *	Principal Arterial	24,433	22,346	- 8.5 %
Little Neck Bridge	Principal Arterial	48,208	45,405	- 5.8 %
Midtown Highway Bridge	Interstate	85,997	84,769	- 1.4 %
Rikers Island Bridge	Collector	13,496	15,621	15.7 %
Roosevelt Avenue Bridge	Principal Arterial	18,975	18,859	- 0.6 %
Roosevelt Island Bridge	Collector	9,895	10,161	2.7 %
Whitestone Expwy Bridge	Interstate	202,410	193,122	- 4.6 %
Total, 11 Queens Bridges		562,062	544,089	- 3.2 %

STATEN ISLAND				
Fresh Kills Bridge	Principal Arterial	68,997	64,724	- 6.2 %

TOLL-FREE GRAND TOTALS		2,736,567	2,666,174	- 2.6 %
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* North Channel Bridge.

2007-2008 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
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MTABT Manhattan Facilities	Highway Functional Classification	2007	2008	Percent Change
Brooklyn-Battery Tunnel	Interstate	56,539	55,037	- 2.7 %
Henry Hudson Bridge	Principal Arterial	70,094	69,101	- 1.4 %
Queens-Midtown Tunnel	Interstate	88,379	86,709	- 1.9 %
R.F.K. Memorial Bridge Manhattan Plaza *	Principal Arterial	97,241	95,146	- 2.2 %
Total, 4 MTABT Manhattan Crossings		312,253	305,993	- 2.0 %

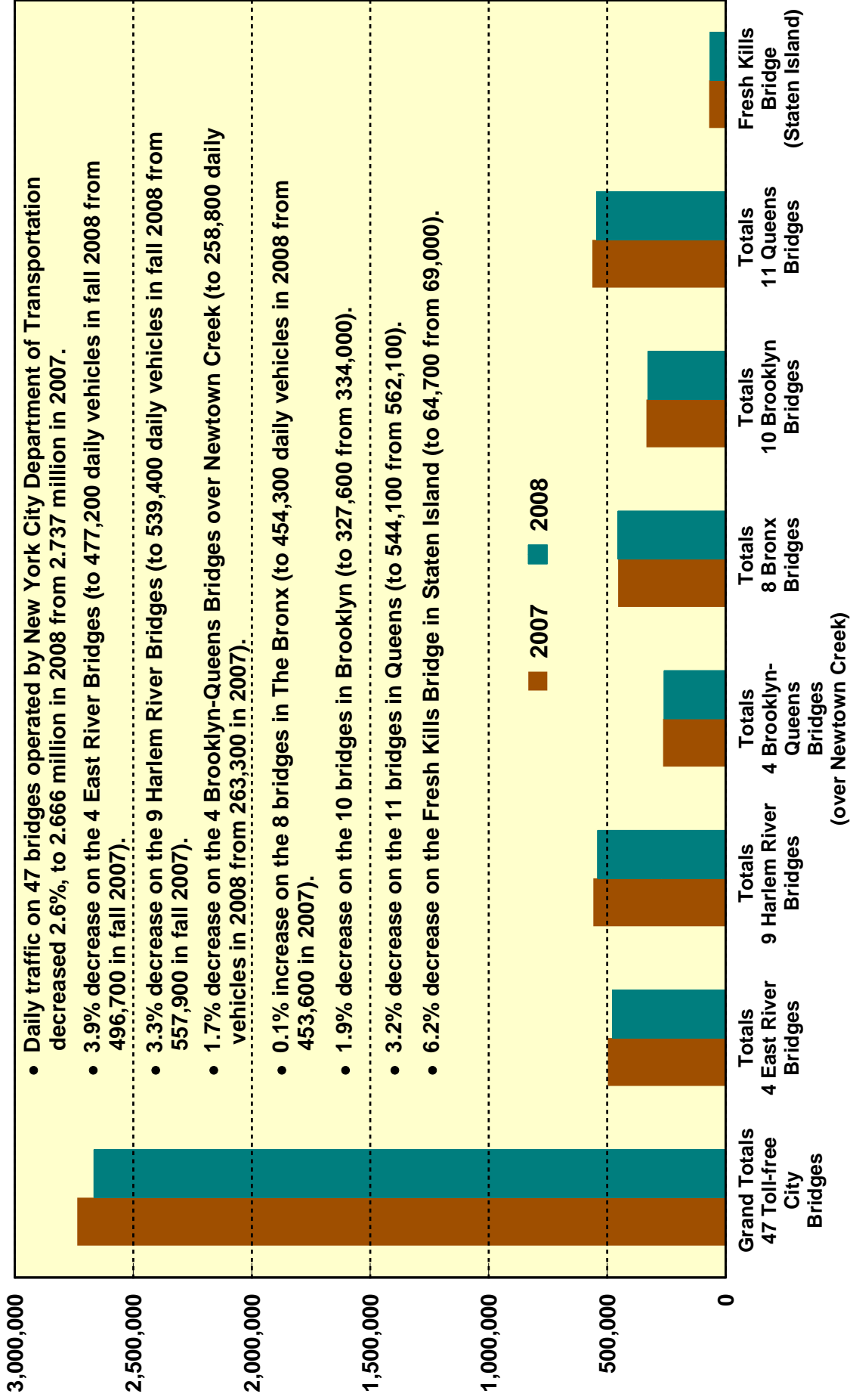
PANYNJ Manhattan Facilities				
George Washington Bridge	Interstate	291,391	293,059	0.6 %
Holland Tunnel	Interstate	100,491	97,057	- 3.4 %
Lincoln Tunnel	Principal Arterial	122,092	118,153	- 3.2 %
Total, 3 PANYNJ Manhattan - New Jersey Crossings		513,974	508,269	- 1.1 %

MTABT Outer Borough Bridges				
Bronx-Whitestone Bridge	Interstate	111,739	117,015	4.7 %
Cross Bay Bridge	Minor Arterial	22,337	21,876	- 2.1 %
Marine Parkway Gil Hodges Memorial Bridge	Minor Arterial	21,356	21,357	0.0 %
R.F.K. Memorial Bridge Bronx Plaza *	Interstate	79,019	77,606	- 1.8 %
Throgs Neck Bridge	Interstate	112,985	114,319	1.2 %
Verrazano-Narrows Bridge	Interstate	201,116	203,507	1.2 %
Total, 6 MTABT Outer Borough Bridges		548,552	555,680	1.3 %

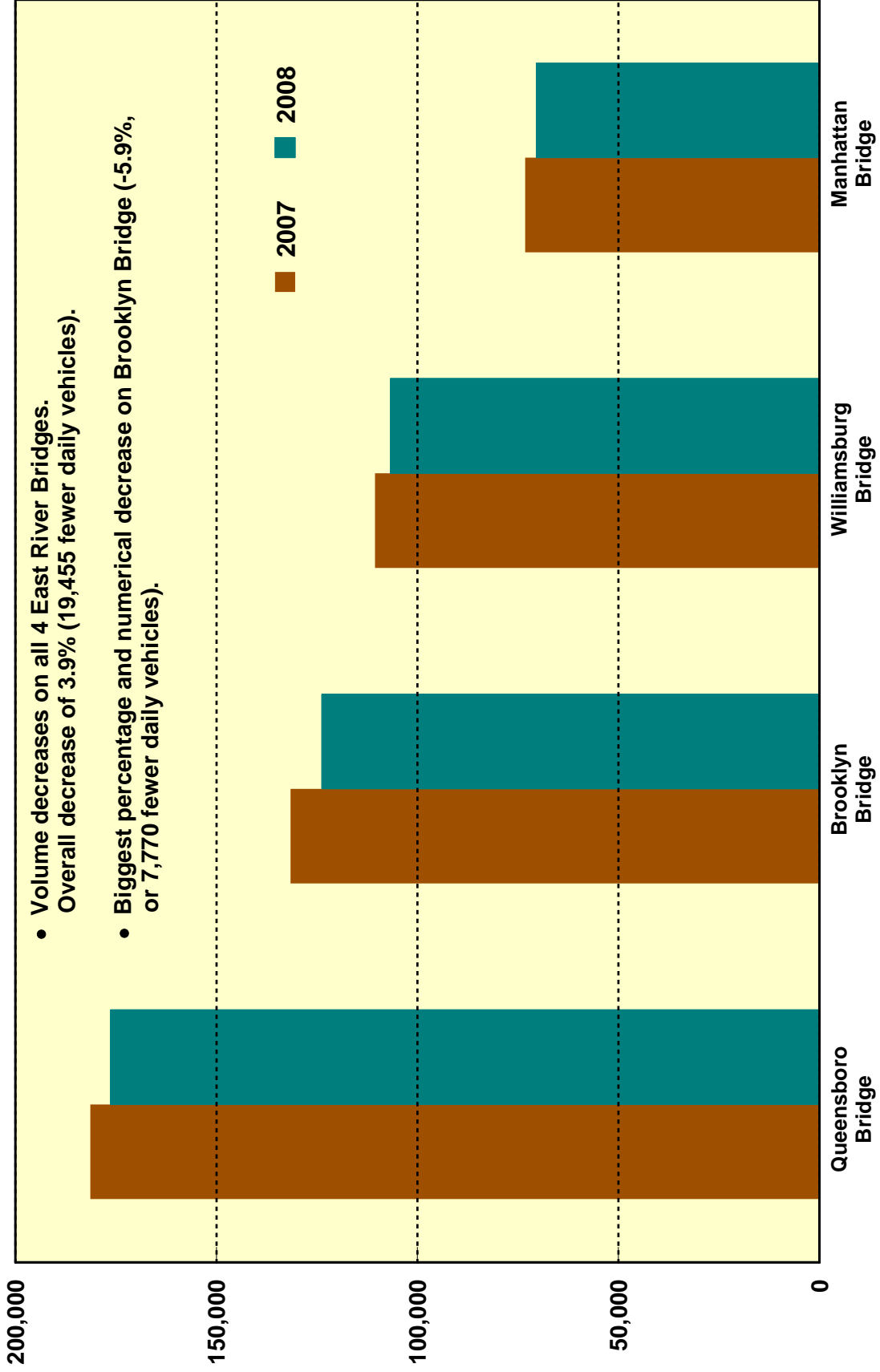
PANYNJ Staten Island Bridges				
Bayonne Bridge	Principal Arterial	21,451	20,058	- 6.5 %
Goethals Bridge	Interstate	72,999	72,834	- 0.2 %
Outerbridge Crossing	Principal Arterial	75,778	72,884	- 3.8 %
Total, 3 Staten Island - New Jersey Bridges		170,228	165,776	- 2.6 %

* Triborough Bridge.

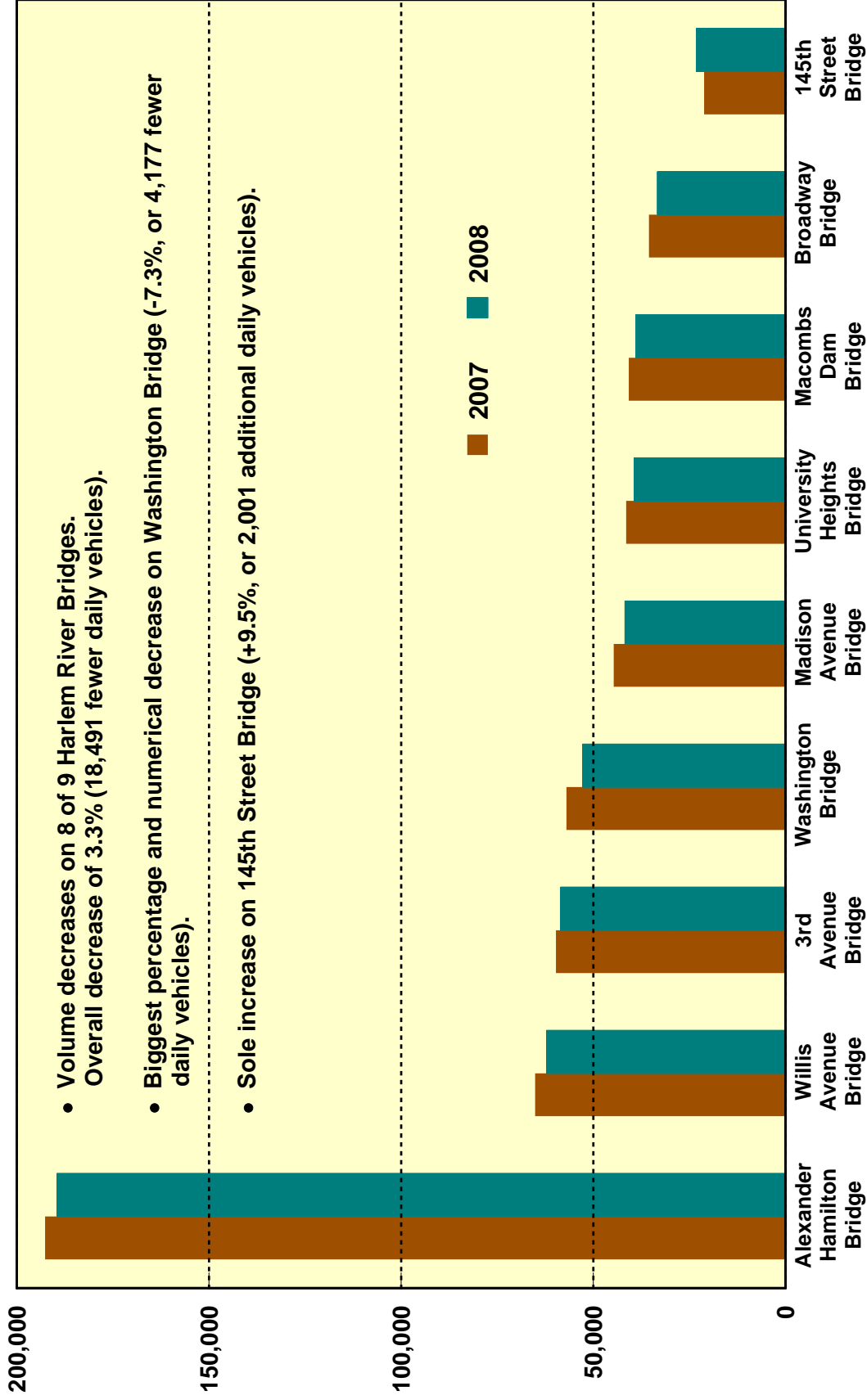
New York City Bridges Daily Volumes 2008 vs. 2007



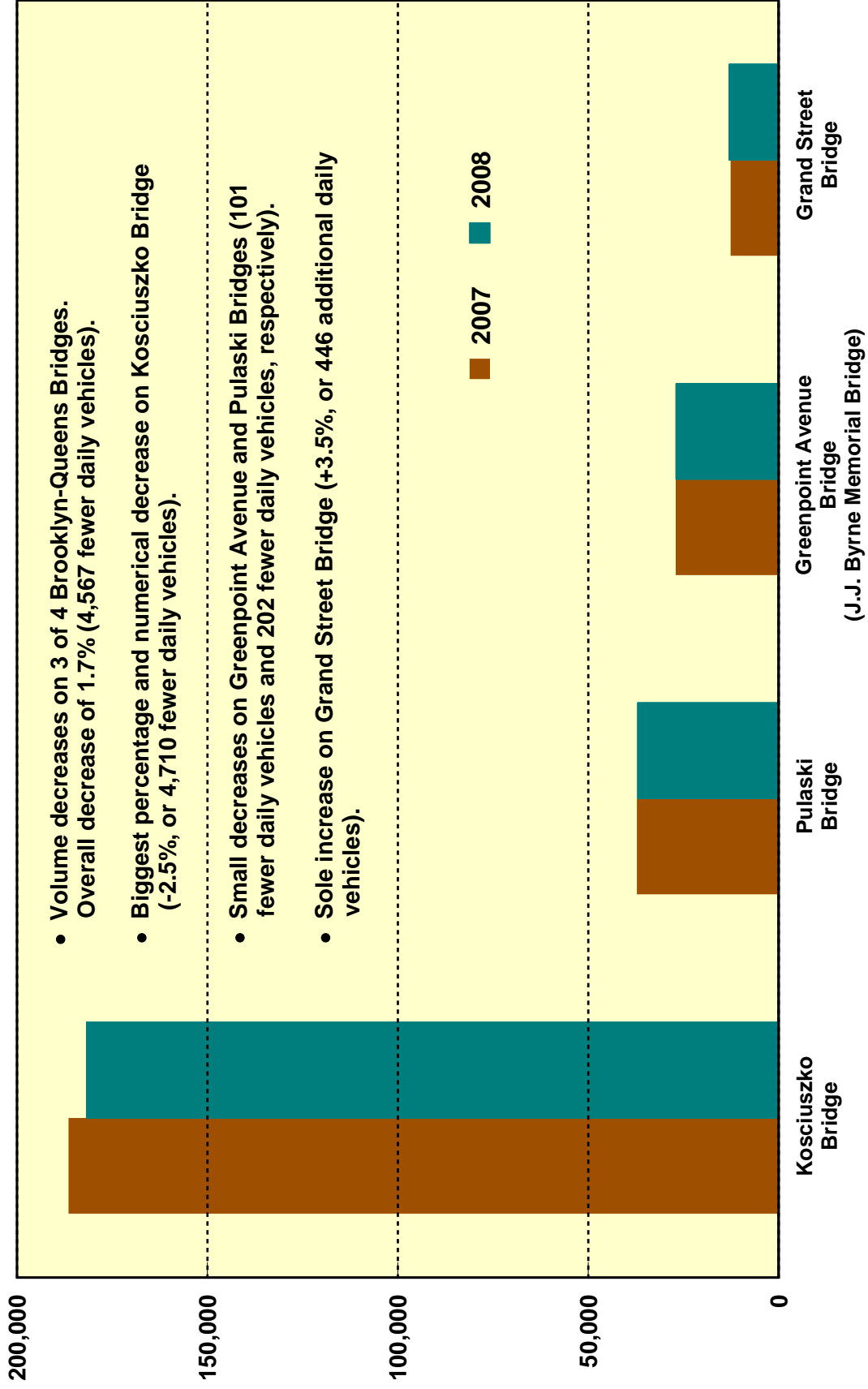
East River Bridges Daily Volumes 2008 vs. 2007



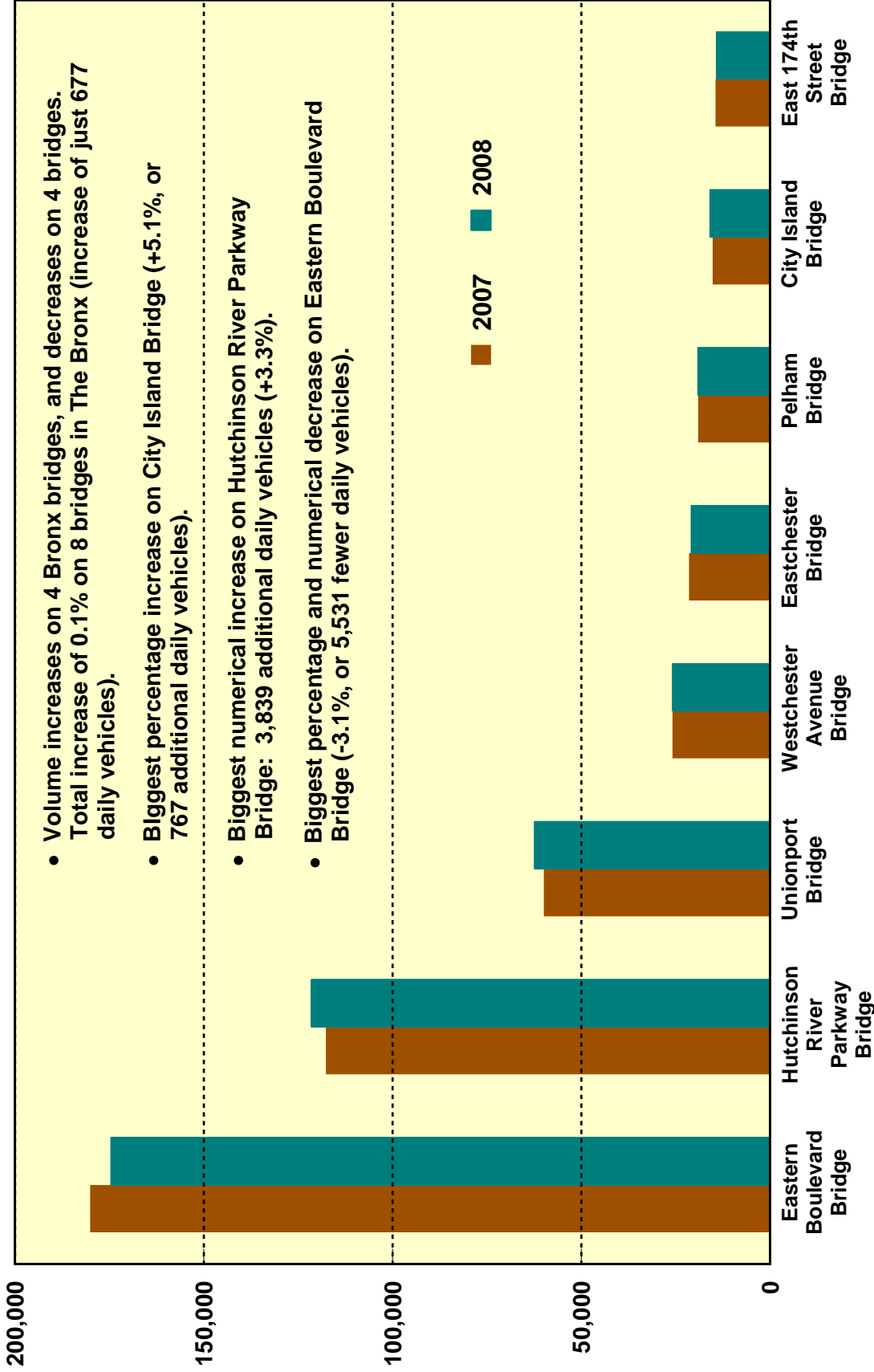
Harlem River Bridges Daily Volumes 2008 vs. 2007



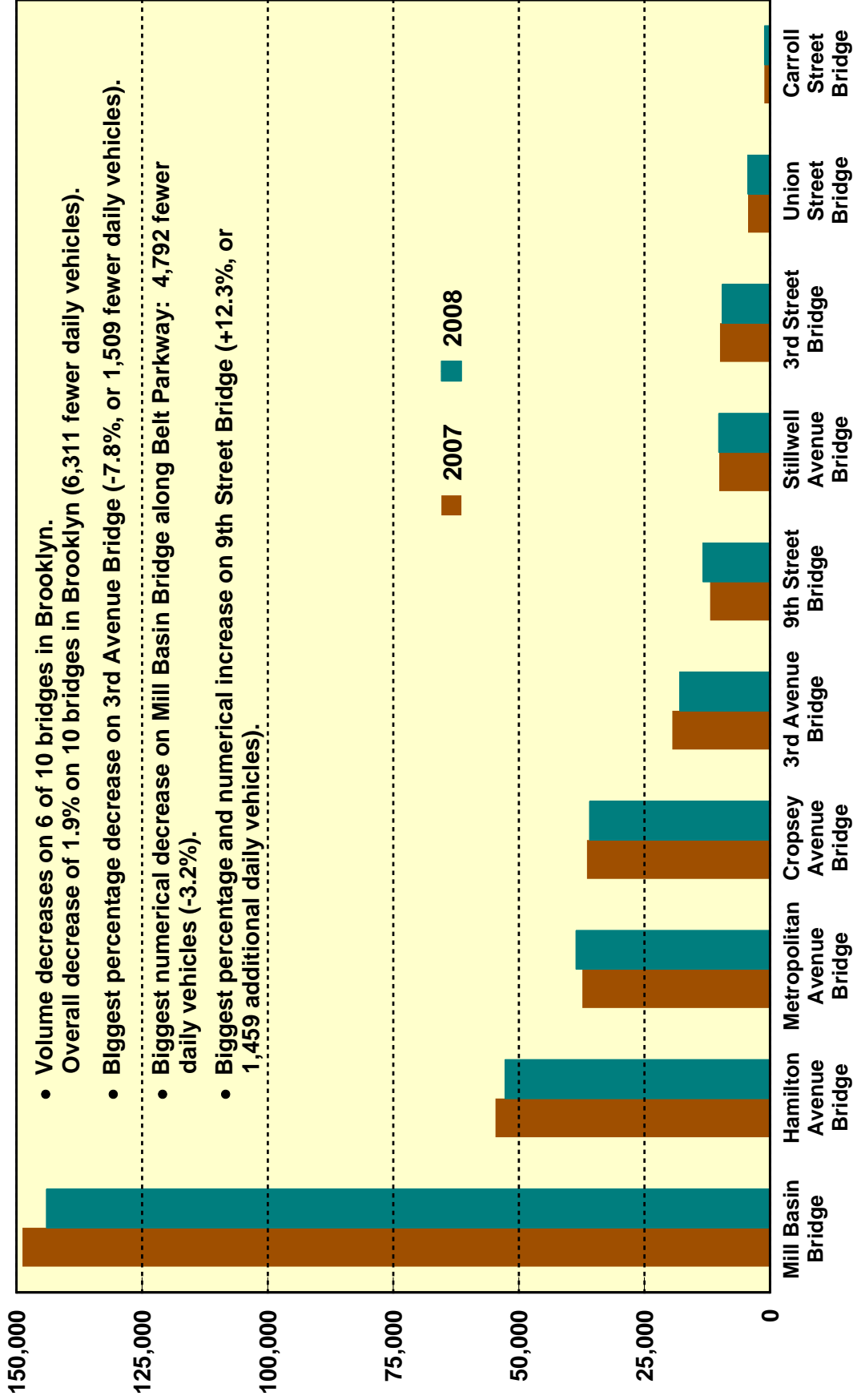
Brooklyn-Queens (Newtown Creek) Bridges Daily Volumes 2008 vs. 2007



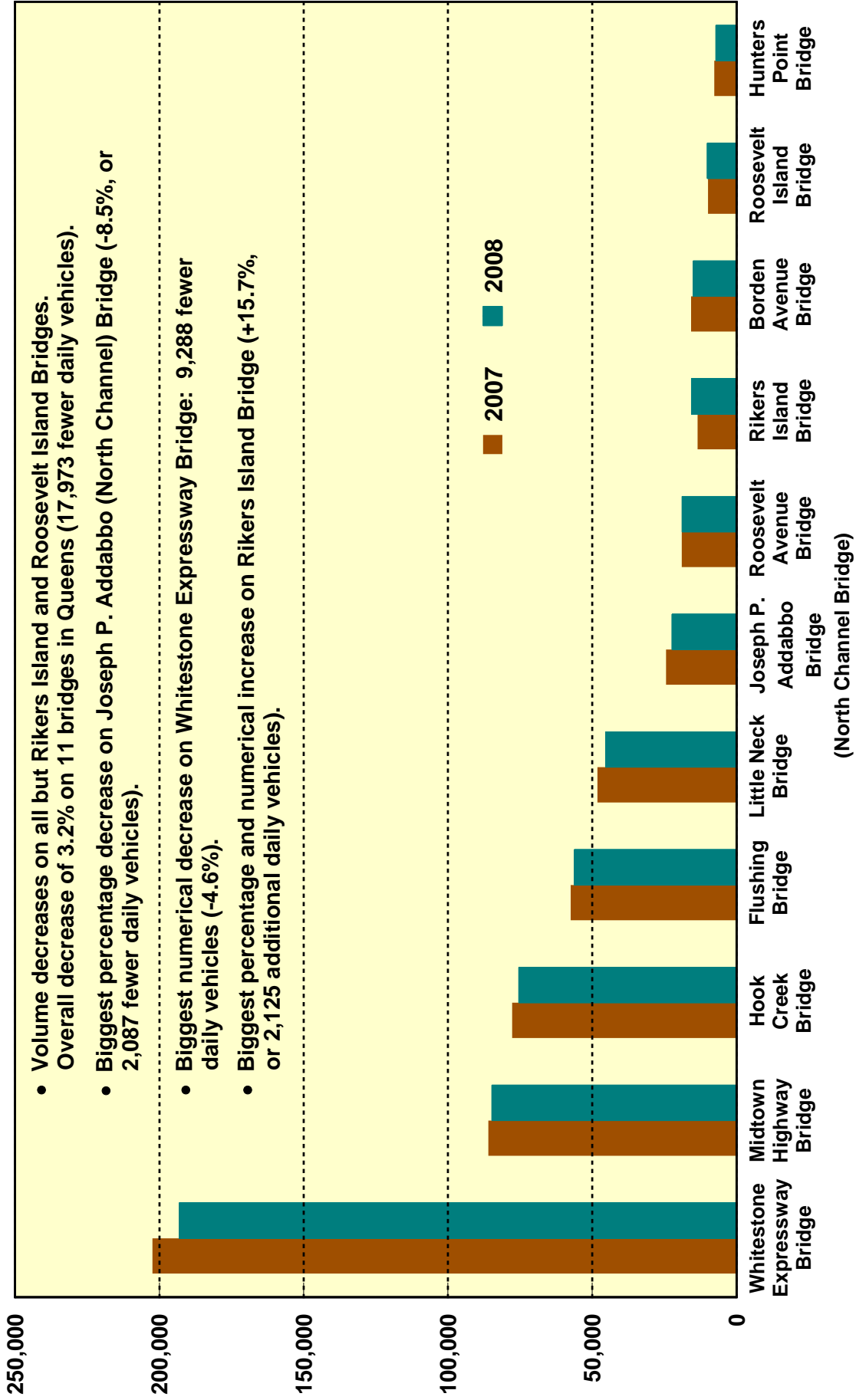
Bronx Bridges Daily Volumes 2008 vs. 2007



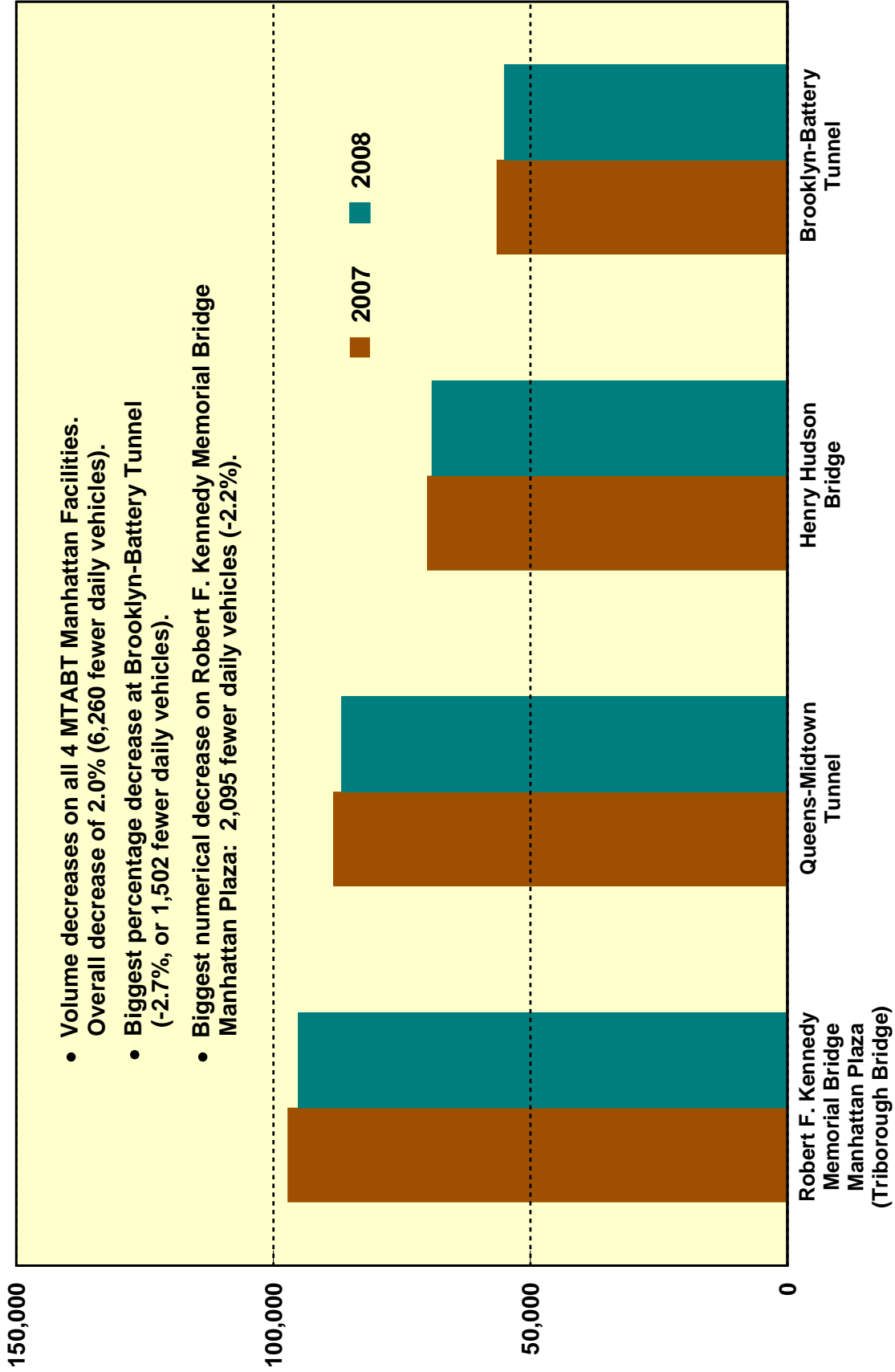
Brooklyn Bridges Daily Volumes 2008 vs. 2007



Queens Bridges Daily Volumes 2008 vs. 2007

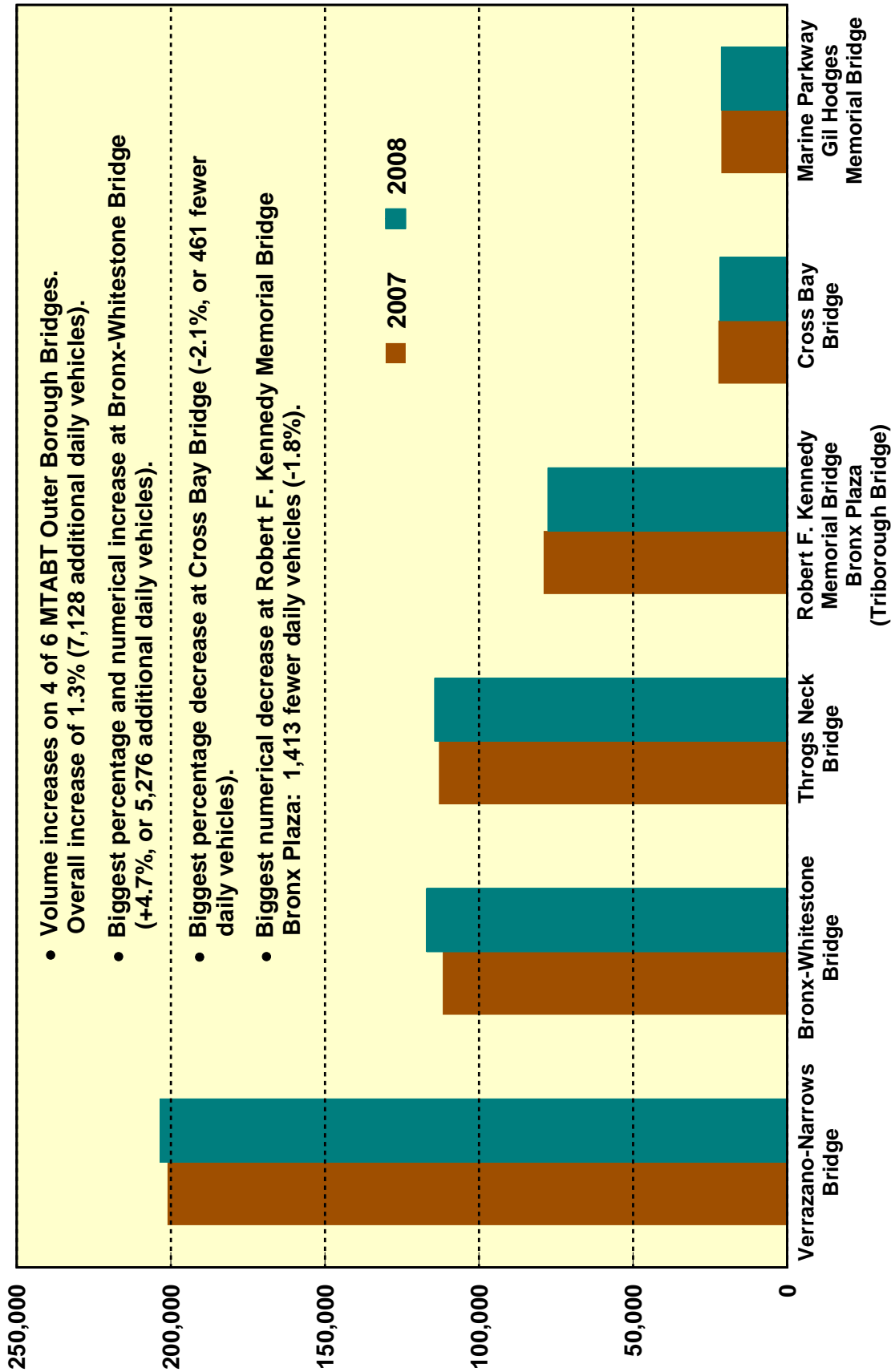


Metropolitan Transportation Authority Bridges & Tunnels (MTABT) Manhattan Facilities Daily Volumes 2008 vs. 2007



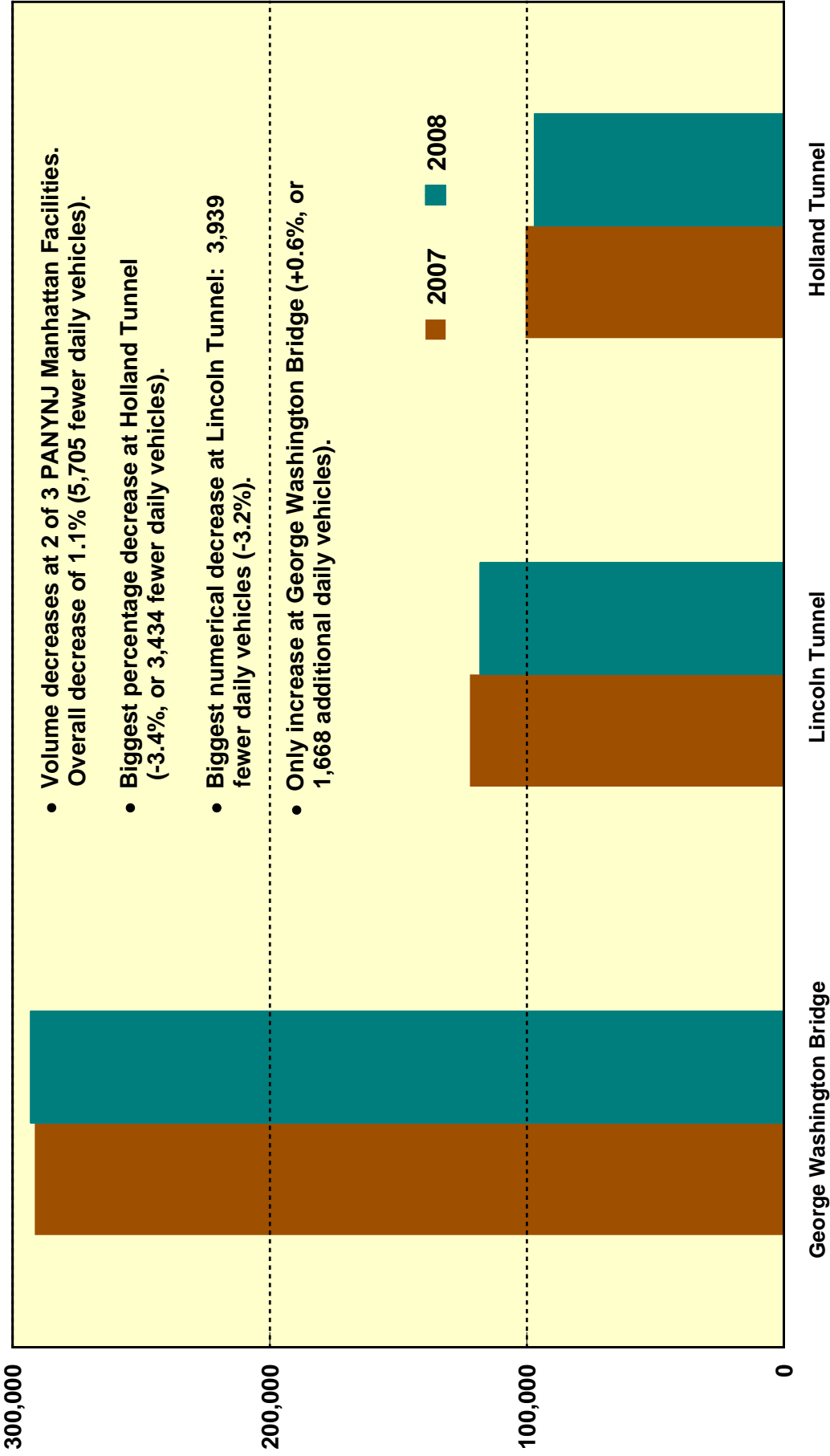
Metropolitan Transportation Authority Bridges & Tunnels (MTABT) Outer Borough Bridges Daily Volumes

2008 vs. 2007



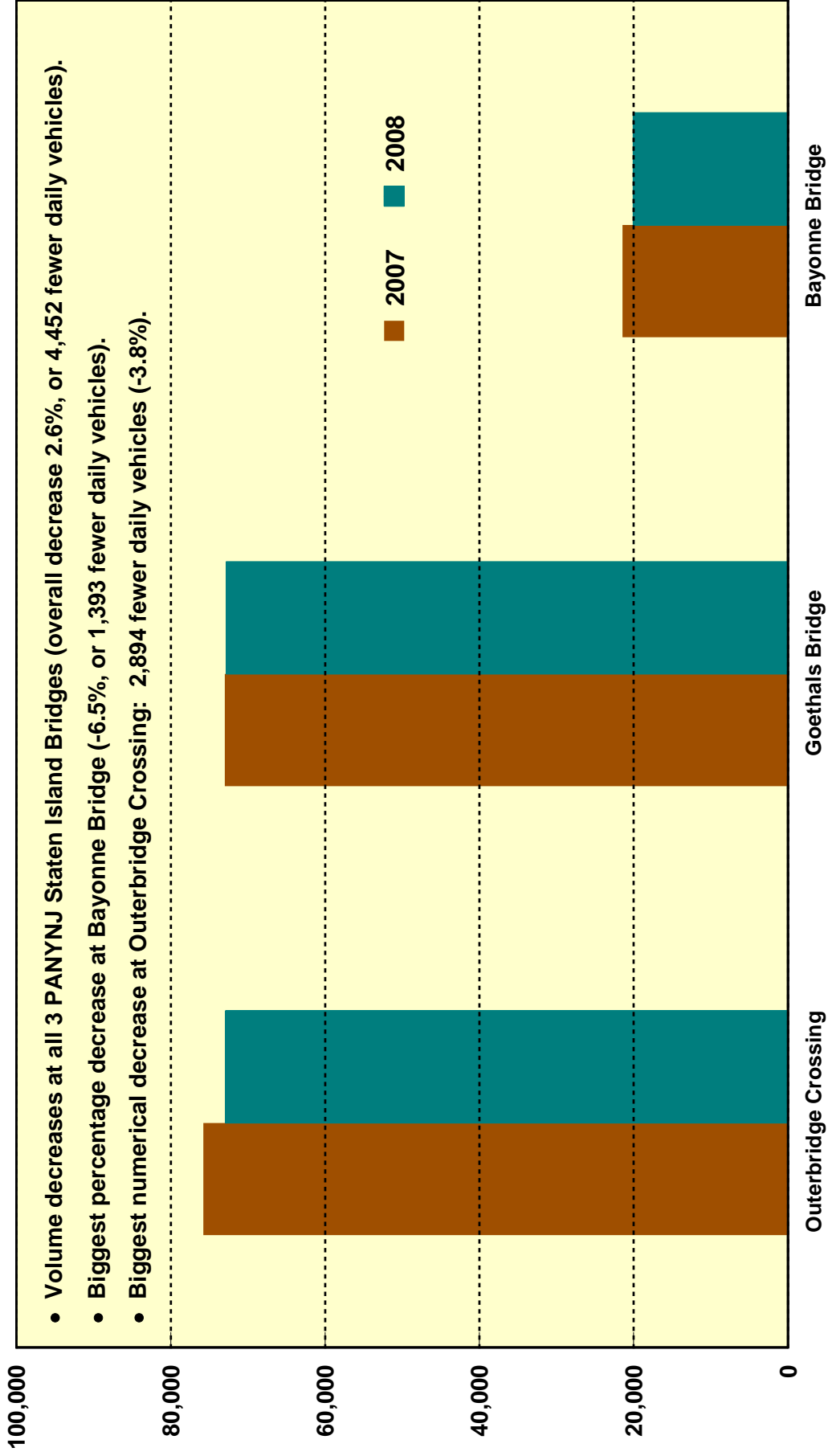
Port Authority of New York & New Jersey (PANYNJ) Manhattan - N.J. Facilities Daily Volumes

2008 vs. 2007

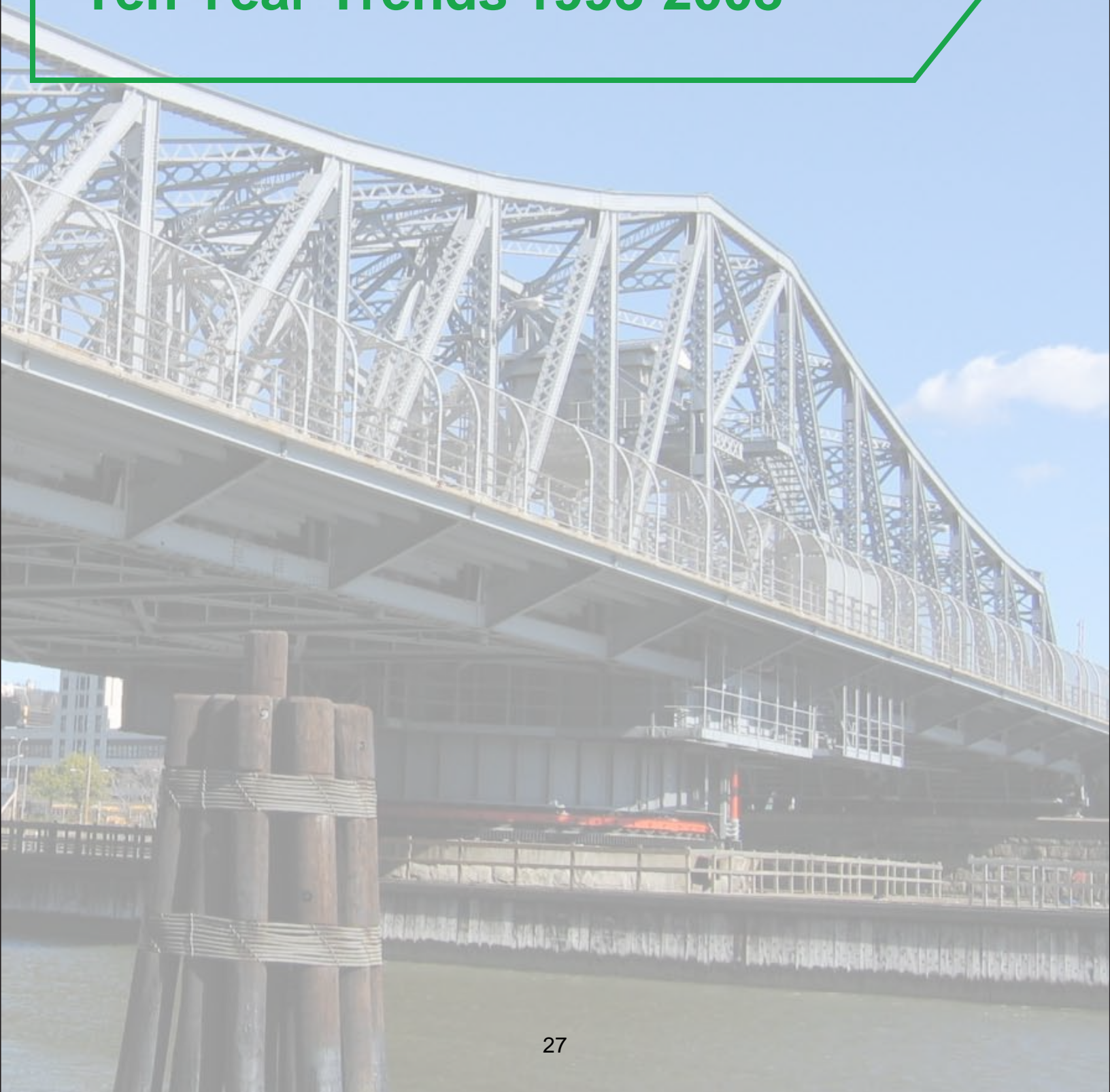


Port Authority of New York & New Jersey (PANYNJ) Staten Island - N.J. Bridges Daily Volumes

2008 vs. 2007



Ten Year Trends 1998-2008



Ten-Year Trends: 1998 - 2008

- Total bridge traffic increased at an average rate of 0.2% per year during this ten-year period, just one-fourth the 0.8% average annual growth rate during the preceding decade. The highest annual growth rates occurred on the East 174th Street Bridge over the Bronx River in The Bronx (+3.3%), the Unionport Bridge over Westchester Creek in The Bronx (+2.8%), the Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx (+2.4%), and the Joseph P. Addabbo Memorial Bridge (North Channel Bridge) over Jamaica Bay in Queens (+2.1%).
- Traffic on the four toll-free East River bridges decreased at an average rate of 0.4% per year, versus an annual increase of 1.2% during the preceding decade. The only positive annual growth rate occurred on the Williamsburg Bridge (+0.4% per year). The greatest rate of decrease was on the Manhattan Bridge (-1.1% per year).
- Traffic on the nine toll-free Harlem River bridges decreased 0.3% per year, versus an annual increase of 0.3% during the preceding decade. The highest growth rate occurred on the Macombs Dam Bridge (+1.5% per year). The greatest annual decrease was on the 145th Street Bridge (-2.7% per year).
- On the four bridges over Newtown Creek between Brooklyn and Queens, daily traffic decreased 0.3% per year, versus the 1.1% annual growth rate during the preceding decade. The highest growth rate occurred on the Pulaski Bridge, +1.3% per year. The greatest annual decrease was on the Grand Street Bridge (-1.8% per year).
- Daily volume on the eight bridges in the Bronx increased 1.4% per year, more than twice the annual growth rate of 0.6% during the preceding ten years. The fastest individual facility growth rates were recorded on the East 174th Street Bridge over the Bronx River (+3.3% annually), the Unionport Bridge over Westchester Creek (+2.8% annually), and the Hutchinson River Parkway Bridge over the Hutchinson River (+2.4% annually). Average volume on the Pelham Bridge declined by 2.6% annually.
- Average daily traffic on the ten bridges in Brooklyn showed an annual rate of change of 0.0% per year, compared to the 0.9% annual growth rate during the preceding ten years. The only positive annual growth rates were on the Cropsey Avenue and Stillwell Avenue Bridges over Coney Island Creek (+1.9% and +1.5%, respectively).
- Traffic on the eleven bridges in Queens increased 0.3% per year, about one-fourth the 1.1% annual growth rate of the preceding decade. The fastest growth rates occurred on the Joseph P. Addabbo Memorial Bridge (North Channel Bridge) over Jamaica Bay (+2.1% annually), and the Midtown Highway Bridge over Dutch Kills (+1.7% annually). Average volume on the Roosevelt Avenue Bridge declined by 2.6% annually.

10-Year Traffic Volume Trends ~ 1998-2008
N.Y.C. Bridges and Tunnels
Both Directions
Page 1 of 3

<i>EAST RIVER BRIDGES</i>	Highway Functional Classification	1998	2008	Percent Change
Brooklyn Bridge	Principal Arterial	144,131	123,781	- 14.1 %
Manhattan Bridge	Principal Arterial	78,172	70,341	- 10.0 %
Queensboro Bridge	Principal Arterial	192,119	176,306	- 8.2 %
Williamsburg Bridge	Principal Arterial	109,268	106,783	- 2.3 %

Total, 4 East River Bridges		523,690	477,211	- 8.9 %
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HARLEM RIVER BRIDGES

Alexander Hamilton Bridge	Interstate	176,632	189,598	7.3 %
Broadway Bridge	Principal Arterial	35,770	33,266	- 7.0 %
Macombs Dam Bridge	Principal Arterial	42,027	38,897	- 7.4 %
Madison Avenue Bridge	Principal Arterial	32,922	41,740	26.8 %
Third Avenue Bridge	Principal Arterial	70,757	58,510	- 17.3 %
University Heights Bridge	Principal Arterial	41,640	39,340	- 5.5 %
Washington Bridge	Minor Arterial	57,307	52,768	- 7.9 %
Willis Avenue Bridge	Principal Arterial	78,145	62,167	- 20.4 %
145th Street Bridge	Minor Arterial	24,862	23,148	- 6.9 %

Total, 9 Harlem River Bridges		560,062	539,434	- 3.7 %
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BROOKLYN-QUEENS BRIDGES

Grand Street Bridge	Principal Arterial	15,328	13,031	- 15.0 %
Greenpoint Avenue Bridge *	Principal Arterial	25,604	26,926	5.2 %
Kosciuszko Bridge	Interstate	195,192	181,783	- 6.9 %
Pulaski Bridge	Principal Arterial	32,200	37,019	15.0 %

Total, 4 Brooklyn-Queens Bridges (Over Newtown Creek)		268,324	258,759	- 3.6 %
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BRONX BRIDGES

City Island Bridge	Minor Arterial	14,954	15,955	6.7 %
East 174th Street Bridge	Minor Arterial	13,758	14,158	2.9 %
Eastchester Bridge	Principal Arterial	21,415	20,842	- 2.7 %
Eastern Boulevard Bridge	Interstate	151,238	174,597	15.4 %
Hutchinson River Bridge	Principal Arterial	93,304	121,499	30.2 %
Pelham Bridge	Minor Arterial	23,264	19,131	- 17.8 %
Unionport Bridge	Principal Arterial	48,975	62,342	27.3 %
Westchester Avenue Bridge	Principal Arterial	25,863	25,789	- 0.3 %

Total, 8 Bronx Bridges		392,771	454,313	15.7 %
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* Also known as J.J. Byrne Memorial Bridge.

10-Year Traffic Volume Trends ~ 1998-2008
N.Y.C. Bridges and Tunnels
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BROOKLYN BRIDGES	Highway Functional Classification	1998	2008	Percent Change
Carroll Street Bridge	Local	1,270	1,103	- 13.1 %
Cropsey Avenue Bridge	Principal Arterial	30,323	35,881	18.3 %
Hamilton Avenue Bridge	Principal Arterial	59,211	52,731	- 10.9 %
Metropolitan Avenue Bridge	Principal Arterial	38,271	38,587	0.8 %
Mill Basin Bridge	Principal Arterial	146,940	144,010	- 2.0 %
Ninth Street Bridge	Minor Arterial	<i>Closed</i>	13,362	
Stillwell Avenue Bridge	Principal Arterial	9,243	10,197	10.3 %
Third Avenue Bridge	Principal Arterial	20,597	17,901	- 13.1 %
Third Street Bridge	Minor Arterial	11,378	9,482	- 16.7 %
Union Street Bridge	Minor Arterial	4,824	4,390	- 9.0 %
Total, 10 Brooklyn Bridges		322,057	327,644	1.7 %

QUEENS BRIDGES				
Borden Avenue Bridge	Minor Arterial	15,182	15,002	- 1.2 %
Flushing Bridge	Principal Arterial	60,864	56,179	- 7.7 %
Hook Creek Bridge	Principal Arterial	66,123	75,460	14.1 %
Hunters Point Bridge	Collector	7,024	7,165	2.0 %
Joseph P. Addabbo Bridge *	Principal Arterial	19,114	22,346	16.9 %
Little Neck Bridge	Principal Arterial	52,876	45,405	- 14.1 %
Midtown Highway Bridge	Interstate	70,486	84,769	20.3 %
Rikers Island Bridge	Collector	15,672	15,621	- 0.3 %
Roosevelt Avenue Bridge	Principal Arterial	22,994	18,859	- 18.0 %
Roosevelt Island Bridge	Collector	10,048	10,161	1.1 %
Whitestone Expwy Bridge	Interstate	182,516	193,122	5.8 %
Total, 11 Queens Bridges		522,899	544,089	4.1 %

STATEN ISLAND				
Fresh Kills Bridge	Principal Arterial	53,770	64,724	20.4 %

TOLL-FREE GRAND TOTALS		2,643,573	2,666,174	0.9 %
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* North Channel Bridge.

10-Year Traffic Volume Trends ~ 1998-2008
N.Y.C. Bridges and Tunnels
Both Directions
Page 3 of 3

MTABT Manhattan Facilities	Highway Functional Classification	1998	2008	Percent Change
Brooklyn-Battery Tunnel	Interstate	61,091	55,037	- 9.9 %
Henry Hudson Bridge	Principal Arterial	59,339	69,101	16.5 %
Queens-Midtown Tunnel	Interstate	79,697	86,709	8.8 %
R.F.K. Memorial Bridge Manhattan Plaza *	Principal Arterial	93,863	95,146	1.4 %
Total, 4 MTABT Manhattan Crossings		293,990	305,993	4.1 %

PANYNJ Manhattan Facilities				
George Washington Bridge	Interstate	297,188	293,059	- 1.4 %
Holland Tunnel	Interstate	100,872	97,057	- 3.8 %
Lincoln Tunnel	Principal Arterial	124,452	118,153	- 5.1 %
Total, 3 PANYNJ Manhattan - New Jersey Crossings		522,512	508,269	- 2.7 %

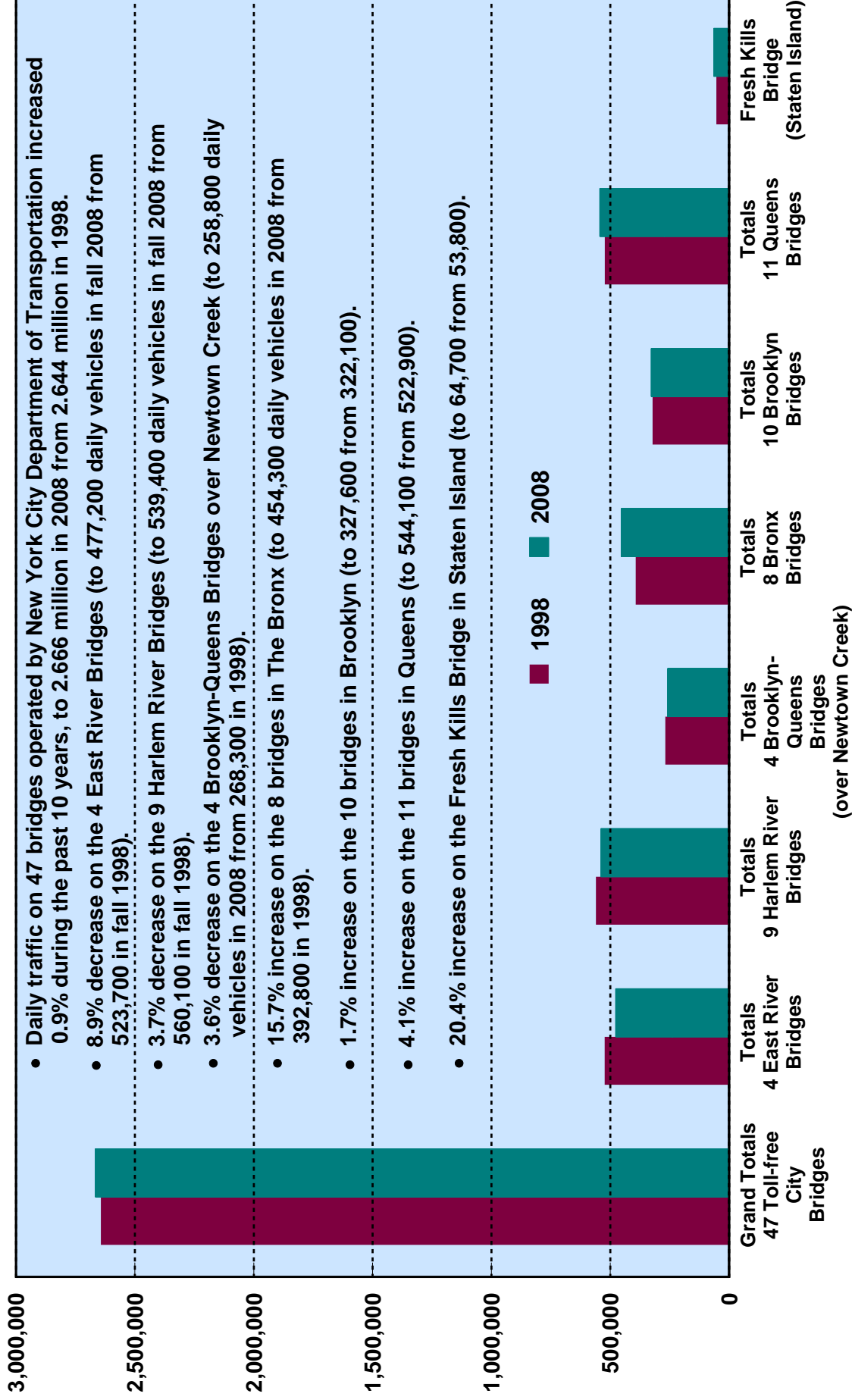
MTABT Outer Borough Bridges				
Bronx-Whitestone Bridge	Interstate	104,125	117,015	12.4 %
Cross Bay Bridge	Minor Arterial	16,286	21,876	34.3 %
Marine Parkway Gil Hodges Memorial Bridge	Minor Arterial	19,583	21,357	9.1 %
R.F.K. Memorial Bridge Bronx Plaza *	Interstate	81,913	77,606	- 5.3 %
Throgs Neck Bridge	Interstate	99,471	114,319	14.9 %
Verrazano-Narrows Bridge	Interstate	194,592	203,507	4.6 %
Total, 6 MTABT Outer Borough Bridges		515,970	555,680	7.7 %

PANYNJ Staten Island Bridges				
Bayonne Bridge	Principal Arterial	16,846	20,058	19.1 %
Goethals Bridge	Interstate	67,076	72,834	8.6 %
Outerbridge Crossing	Principal Arterial	72,864	72,884	0.0 %
Total, 3 Staten Island - New Jersey Bridges		156,786	165,776	5.7 %

* Triborough Bridge.

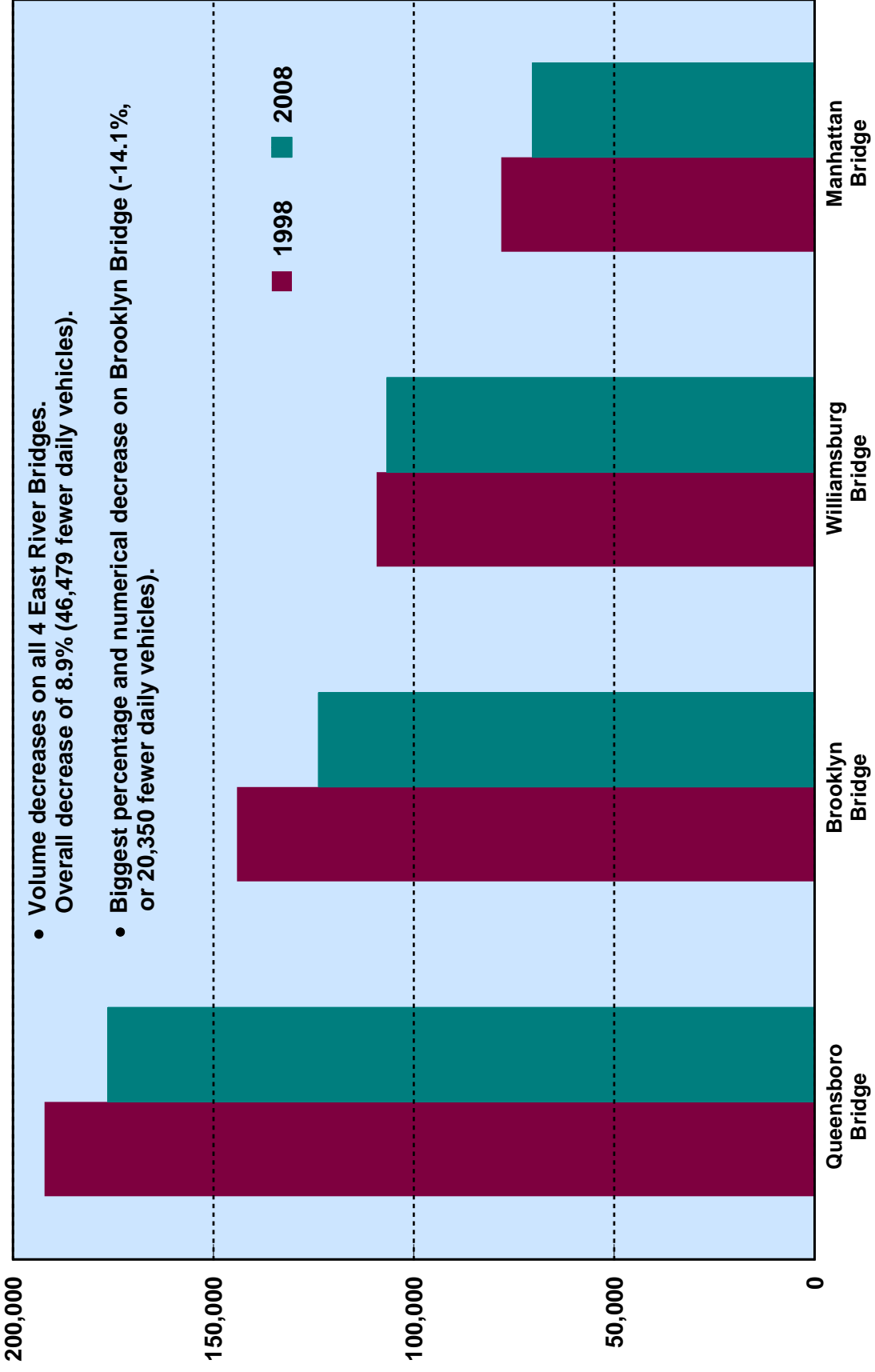
10-Year Volume Changes ~ 1998 - 2008

New York City Bridges Daily Volumes



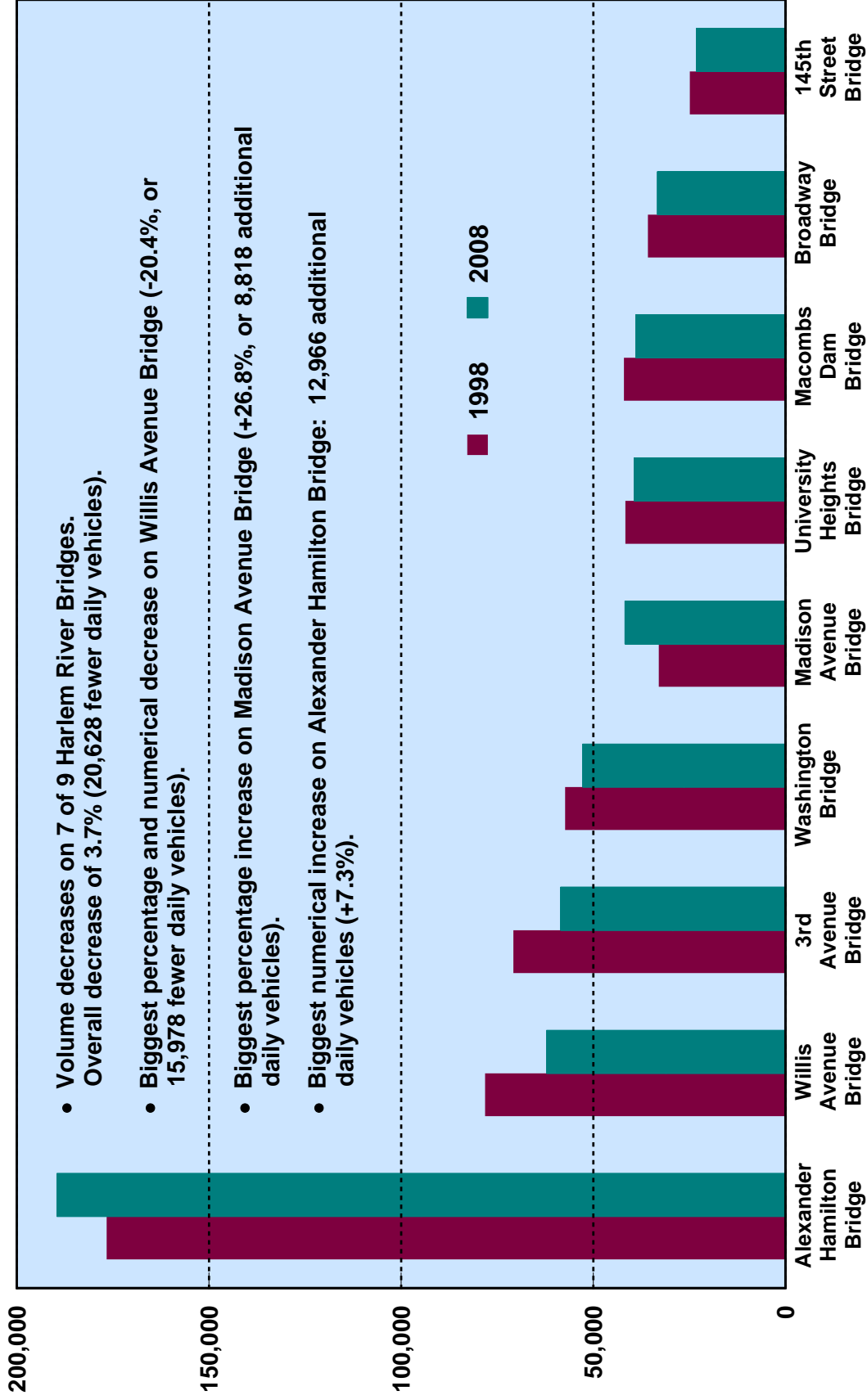
10-Year Volume Changes ~ 1998 - 2008

East River Bridges Daily Volumes



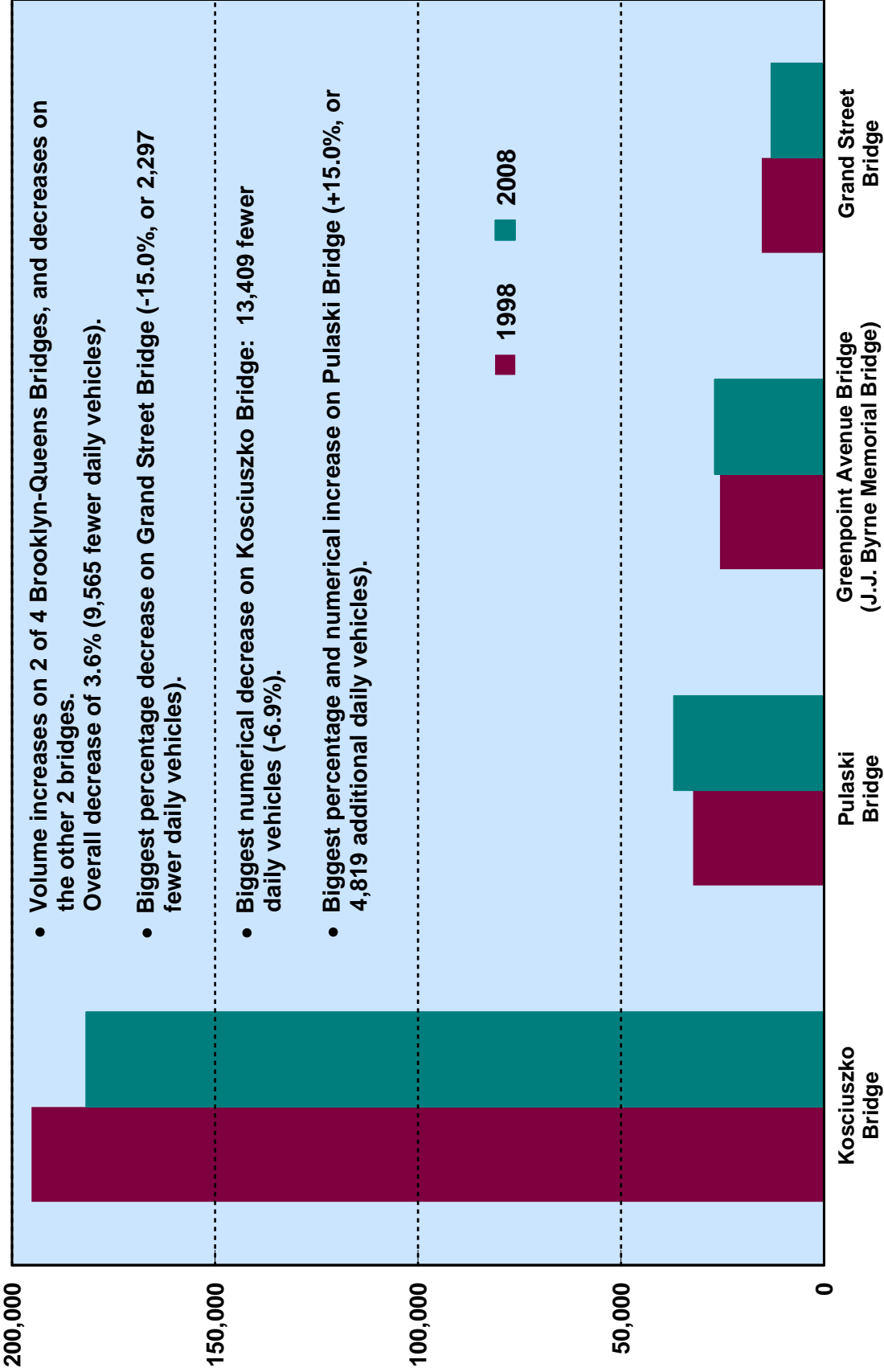
10-Year Volume Changes ~ 1998 - 2008

Harlem River Bridges Daily Volumes



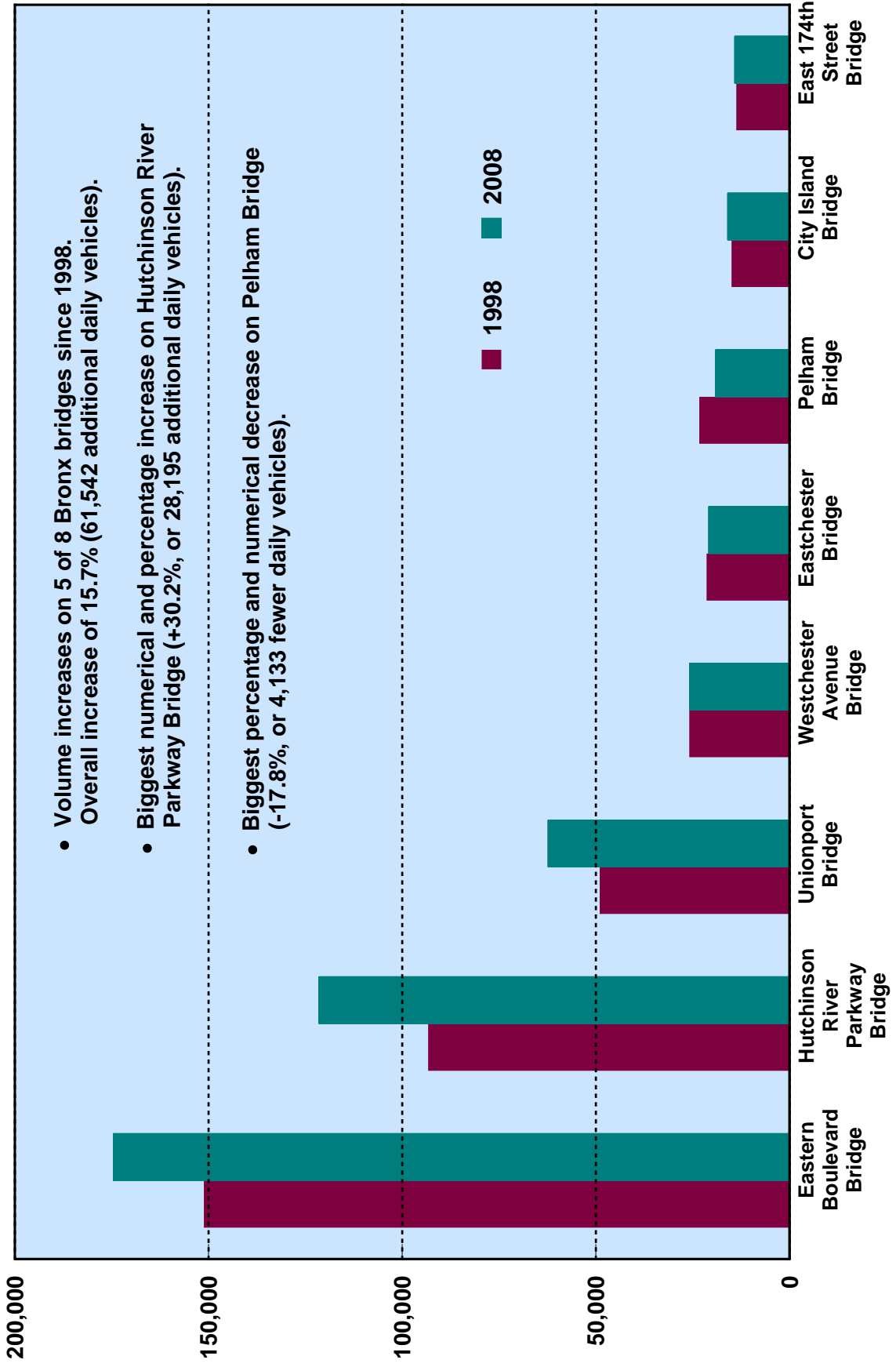
10-Year Volume Changes ~ 1998 - 2008

Brooklyn-Queens (Newtown Creek) Bridges Daily Volumes



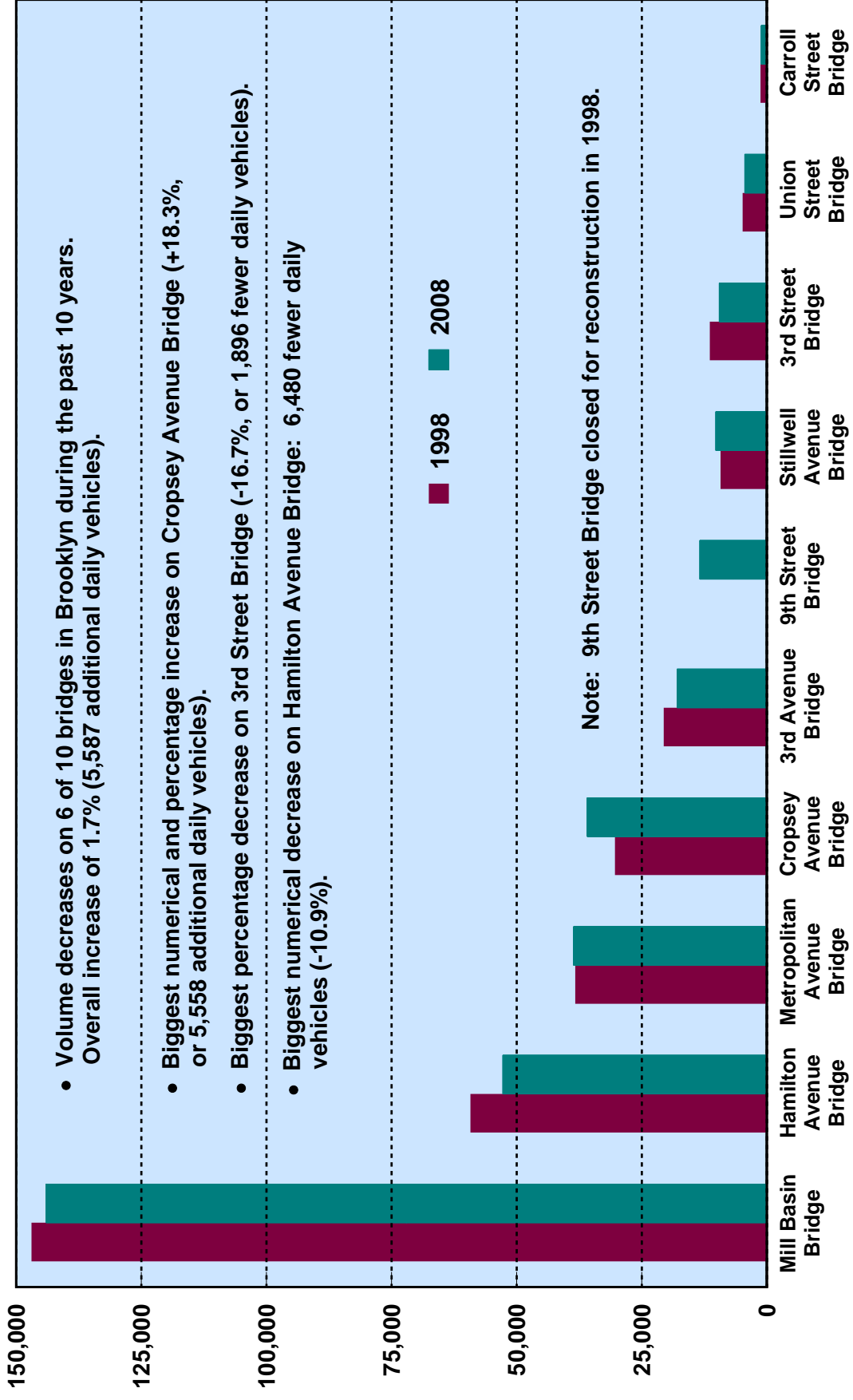
10-Year Volume Changes ~ 1998 - 2008

Bronx Bridges Daily Volumes



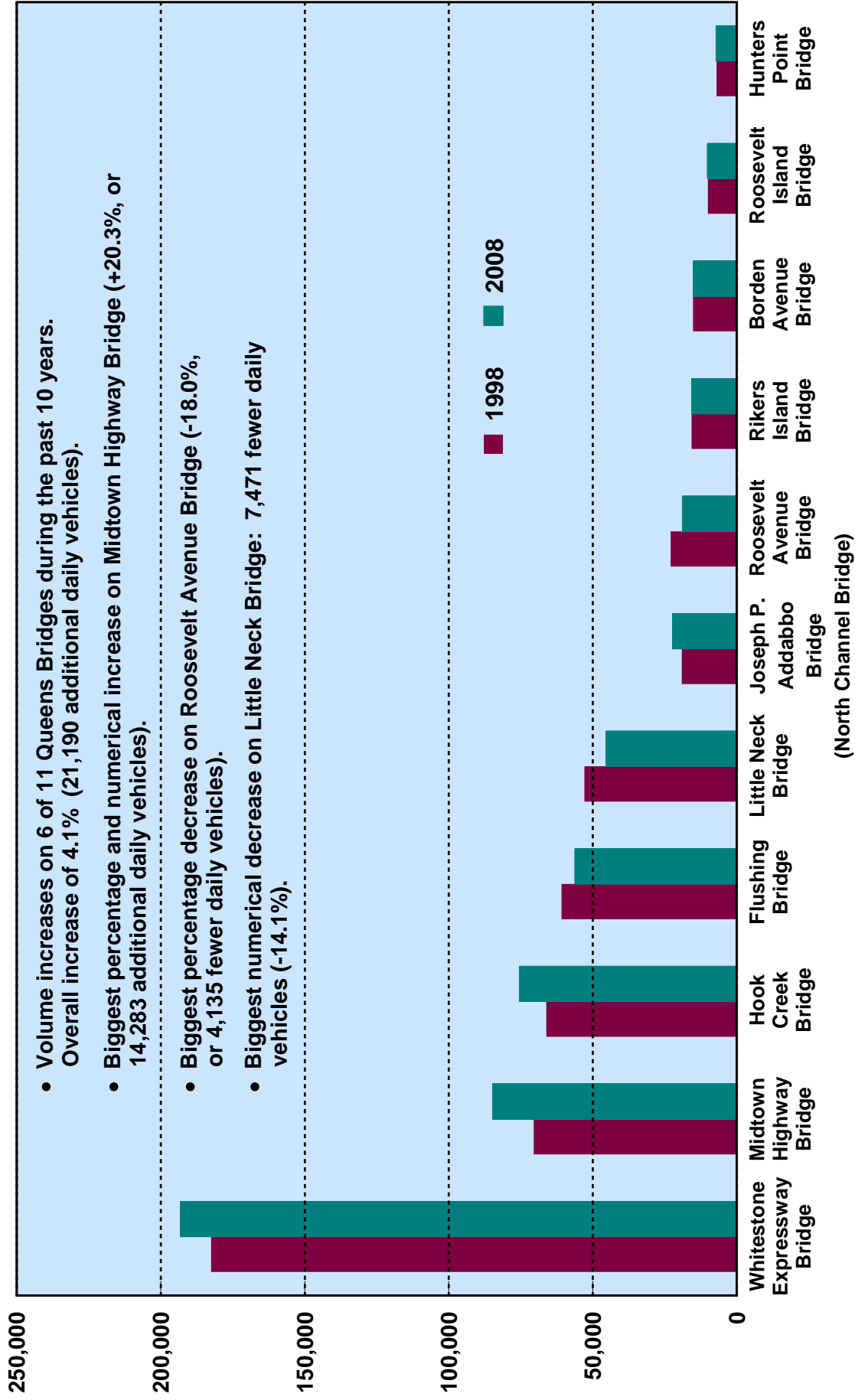
10-Year Volume Changes ~ 1998 - 2008

Brooklyn Bridges Daily Volumes



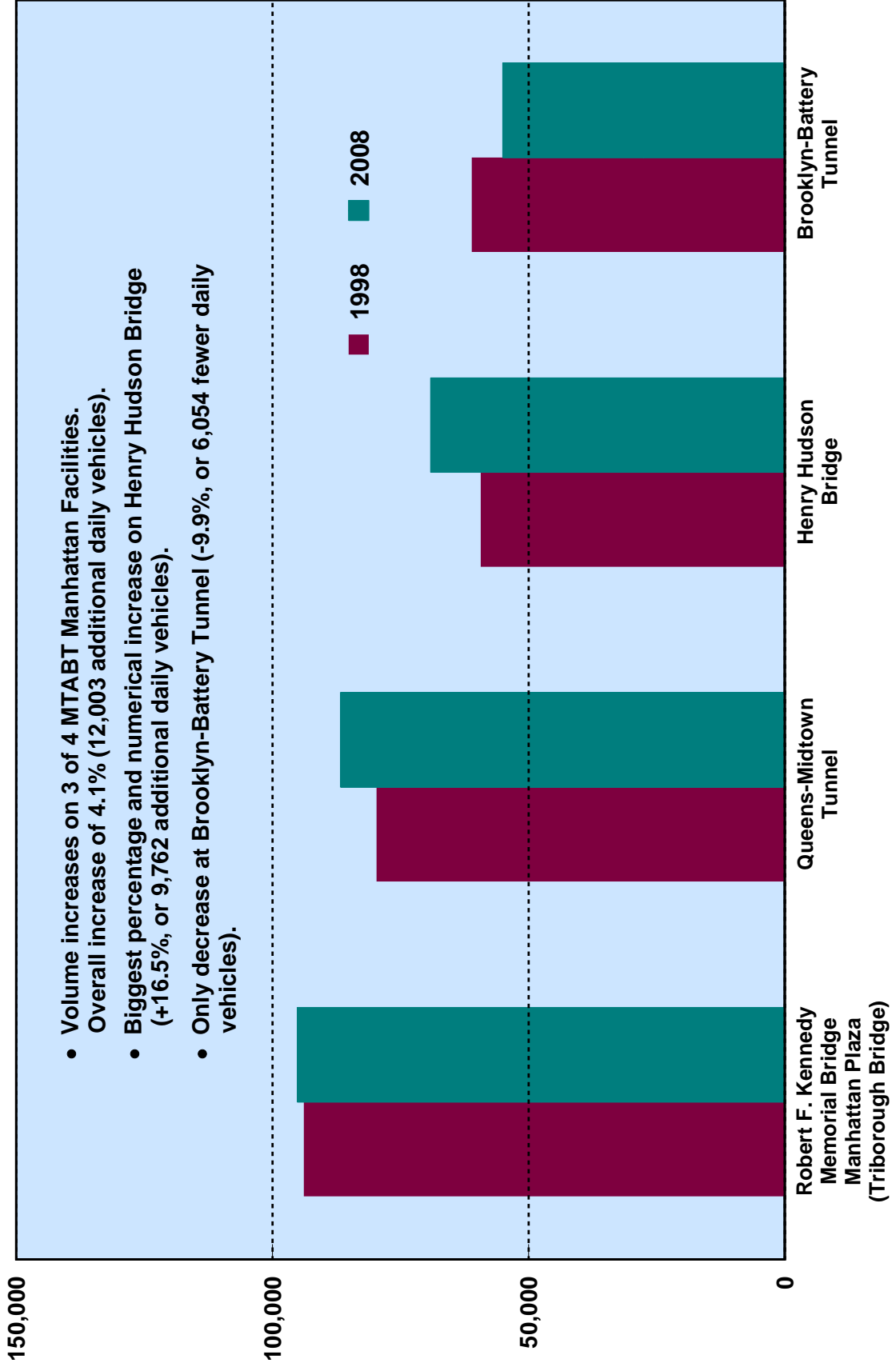
10-Year Volume Changes ~ 1998 - 2008

Queens Bridges Daily Volumes



10-Year Volume Changes ~ 1998 - 2008

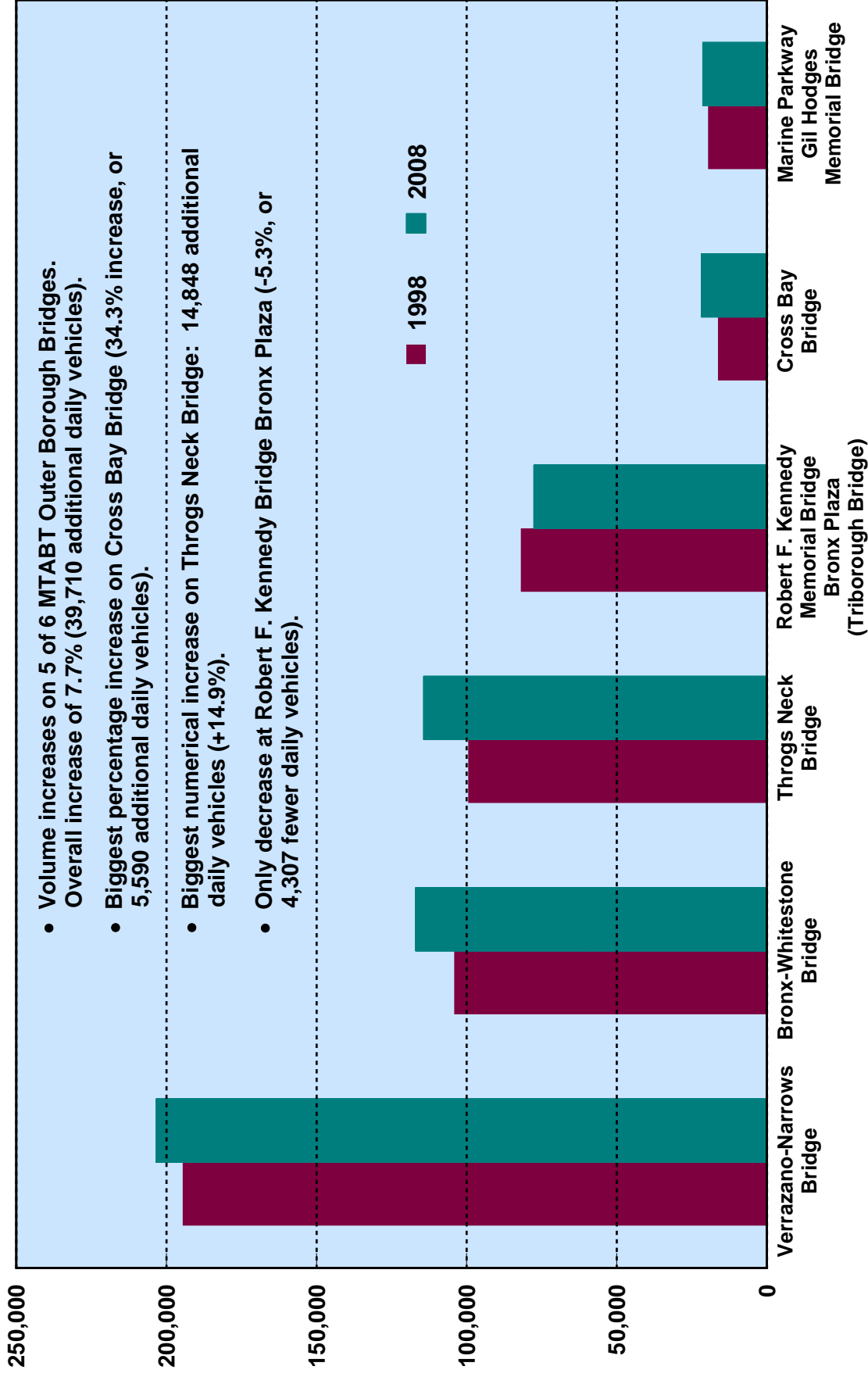
Metropolitan Transportation Authority Bridges & Tunnels (MTABT) Manhattan Facilities Daily Volumes



10-Year Volume Changes ~ 1998 - 2008

Metropolitan Transportation Authority Bridges & Tunnels (MTABT)

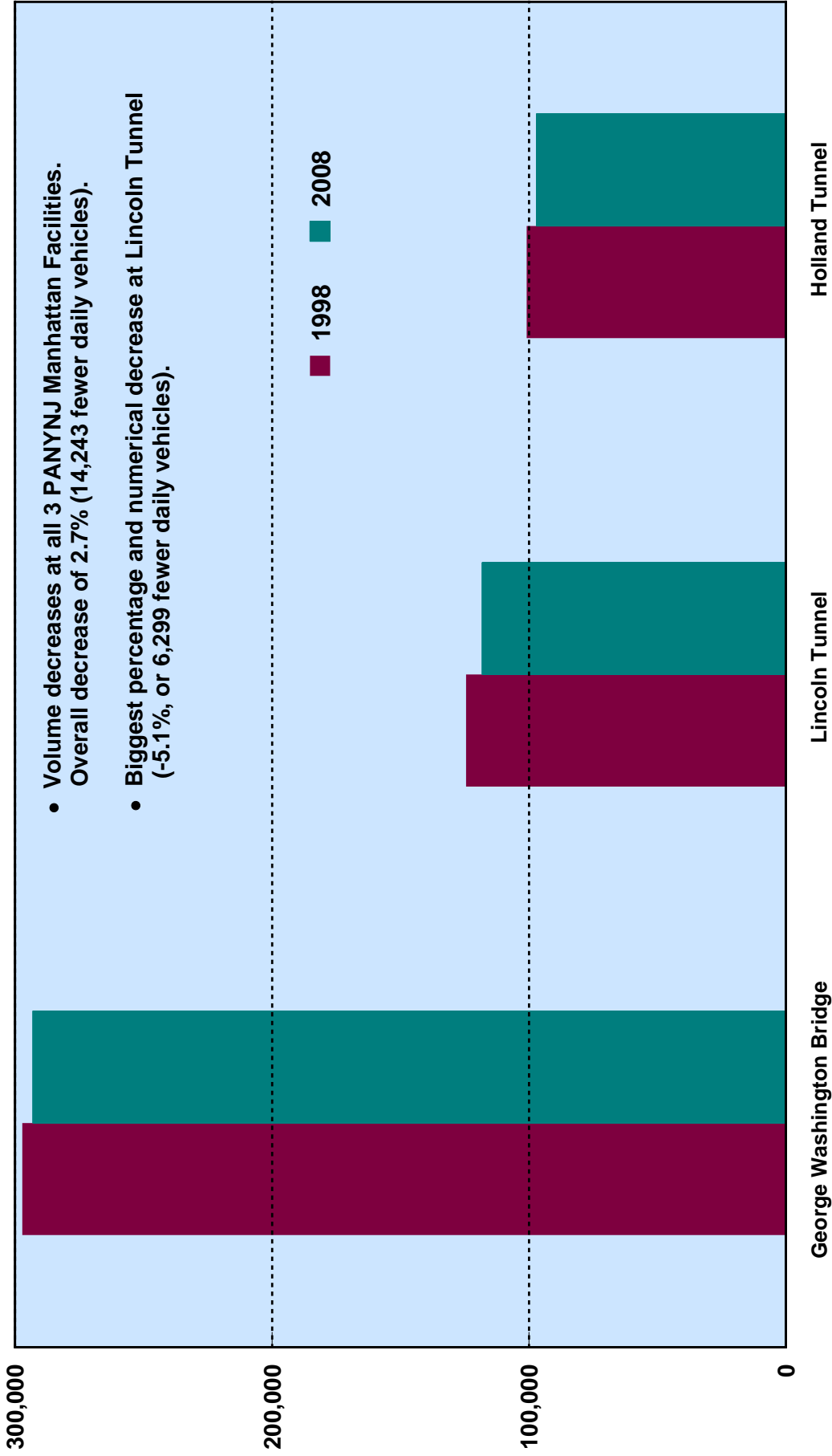
Outer Borough Bridges Daily Volumes



10-Year Volume Changes ~ 1998 - 2008

Port Authority of New York & New Jersey (PANYNJ)

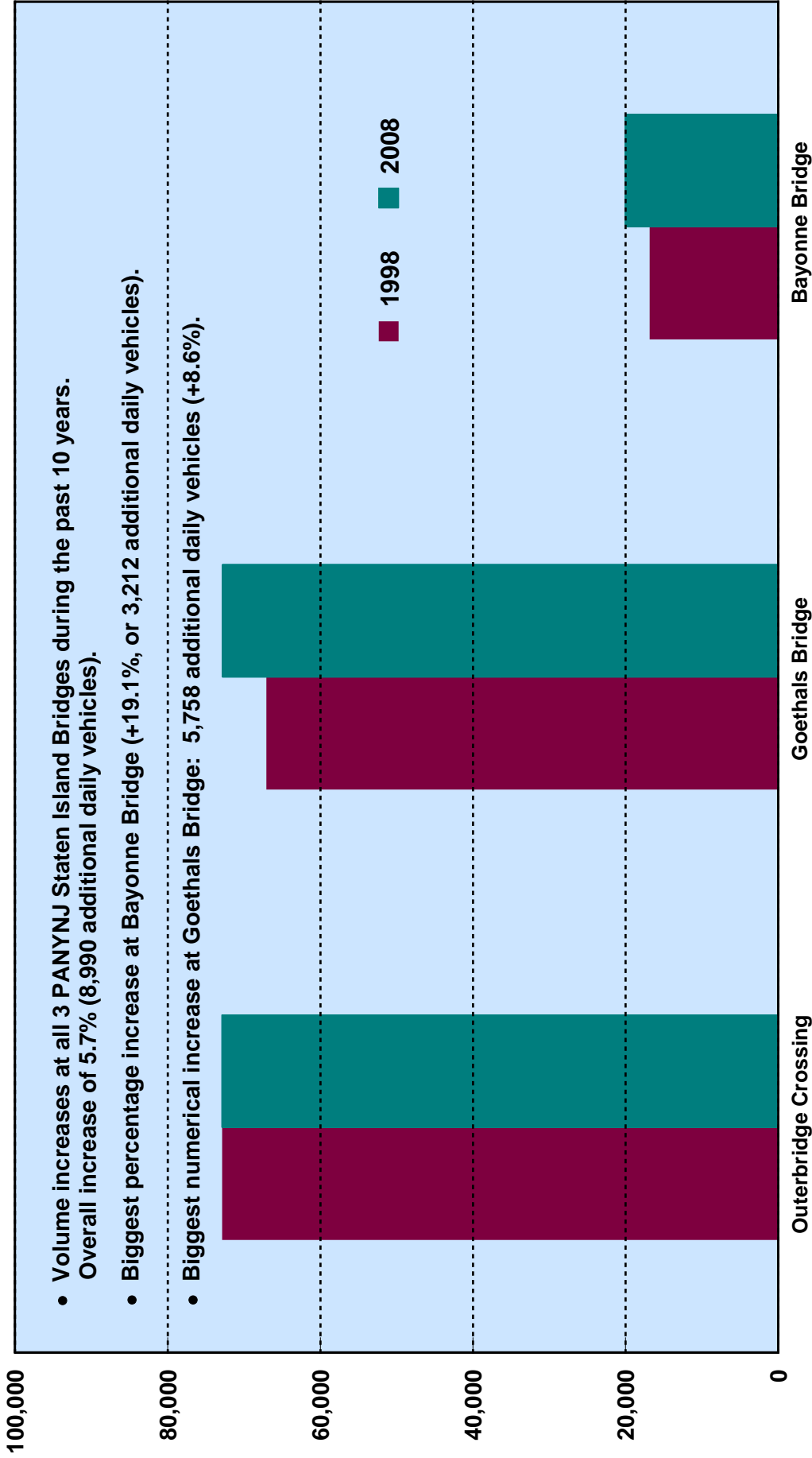
Manhattan - N.J. Facilities Daily Volumes



10-Year Volume Changes ~ 1998 - 2008

Port Authority of New York & New Jersey (PANYNJ)

Staten Island - N.J. Bridges Daily Volumes



Historic Trends



Historic Trends

- In 1948, traffic on the City-operated bridges was 924,000 daily trips. By 1968, that figure had more than doubled to 1,912,000. In 2008, it stood at 2,666,000 daily trips, nearly three times the 1948 volume.
- Between 1948 and 1958, bridge traffic increased 4.2% per year on the 44 City bridges open during that time period. The highest annual growth rates were on the Mill Basin Bridge along the Belt Parkway in Brooklyn (+10.5%), the Whitestone Expressway Bridge over the Flushing River in Queens (+7.8%), and the Hutchinson River Parkway Bridge over the Hutchinson River in The Bronx (+7.8%).
- Between 1958 and 1968, bridge traffic increased 3.7% per year on the 45 City bridges open during that time period. The highest annual growth rates were on the Westchester Avenue Bridge over the Bronx River in The Bronx (+12.6%), the Unionport Bridge over Westchester Creek in The Bronx (+11.4%), and the Whitestone Expressway Bridge over the Flushing River in Queens (+10.9%).
- Between 1968 and 1978, total bridge traffic decreased by 0.1% annually on the 47 City bridges. Individually, the Borden Avenue Bridge over Dutch Kills in Queens had the highest annual growth rate (+7.3%), followed by the Fresh Kills Bridge over Richmond Creek in Staten Island (+5.6%), and the Rikers Island Bridge in Queens (+5.3%).
- Between 1978 and 1988, total traffic on the 47 City bridges showed an average annual growth rate of 2.2%. The highest individual facility annual growth rates were on the Rikers Island Bridge in Queens (+9.5%), the Union Street Bridge over Gowanus Canal in Brooklyn (+5.7%), the East 174th Street Bridge over the Bronx River in The Bronx (+5.7%), the Grand Street Bridge over Newtown Creek between Brooklyn and Queens (+5.4%), and the Cropsey Avenue Bridge over Coney Island Creek in Brooklyn (+5.3%).
- Between 1988 and 1998, bridge traffic grew 0.8% per year on the 47 City bridges. The highest annual growth rates were on the Third Street Bridge over Gowanus Canal in Brooklyn (+5.4%), the Pelham Bridge over Eastchester Bay in The Bronx (+4.2%), the Little Neck Bridge over Alley Creek in Queens (+3.8%), and the Greenpoint Avenue Bridge over Newtown Creek between Brooklyn and Queens (+3.6%).
- 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 had 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 2,059,000 vehicles per day. This was followed by a downward trend between 1971 and 1979. Daily bridge traffic in 1979 was 65,000 below the 1969 level. Thereafter, bridge traffic increased in most years, with 699,800 more daily vehicles crossing the bridges in 2008 than in 1979.

Total NYC Toll Free Bridges
Average Daily Traffic Volumes
1948 - 2008

<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

Total NYC Toll Free Bridges (continued)
Average Daily Traffic Volumes
1948 - 2008

<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

NYC Tolled Facilities
Average Daily Traffic Volumes
1948 - 2008

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

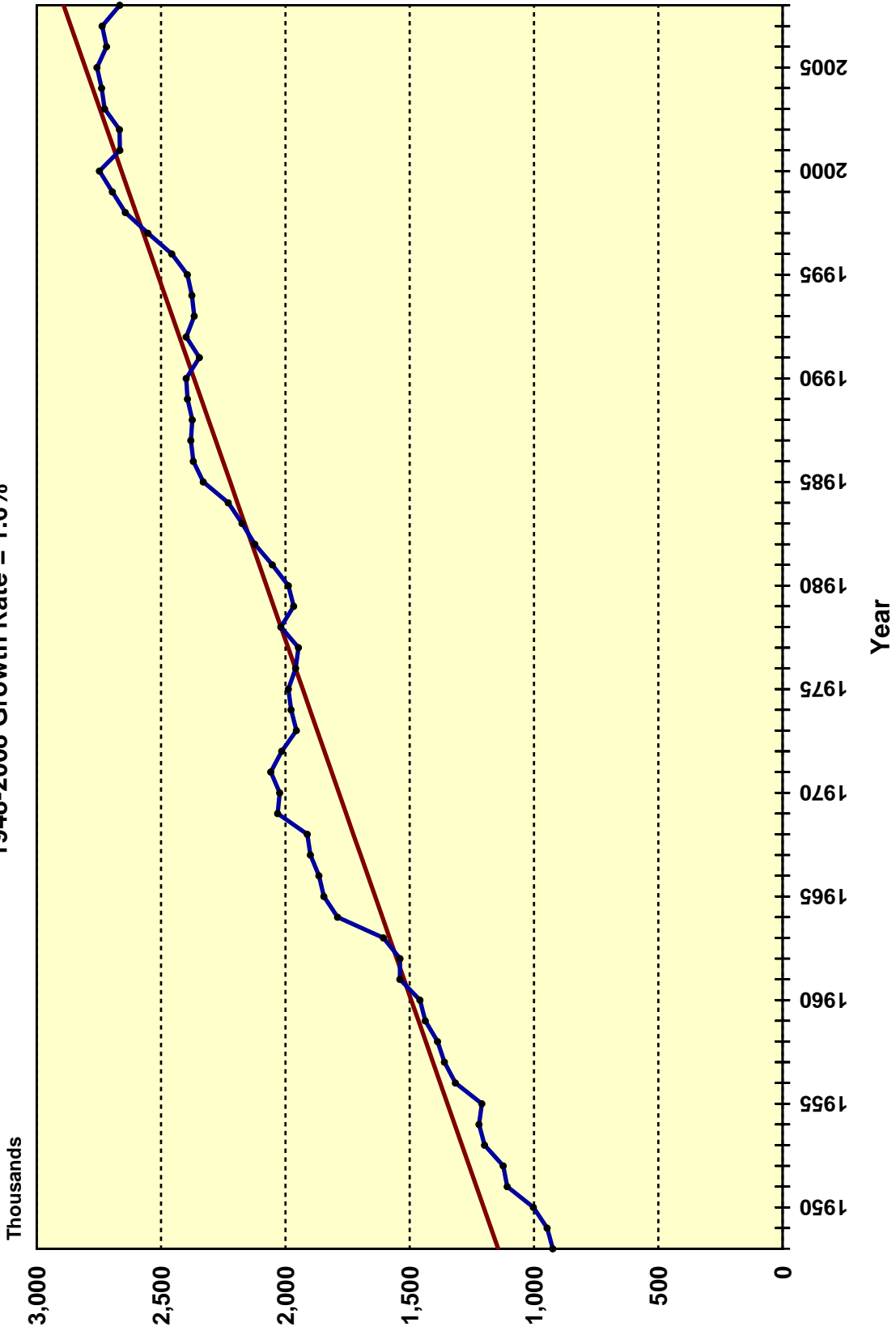
PANYNJ one-way tolls initiated 8/12/1970.

PANYNJ toll increases May 1975, January 1984, April 1987, April 1991, March 2001, March 2008.

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.

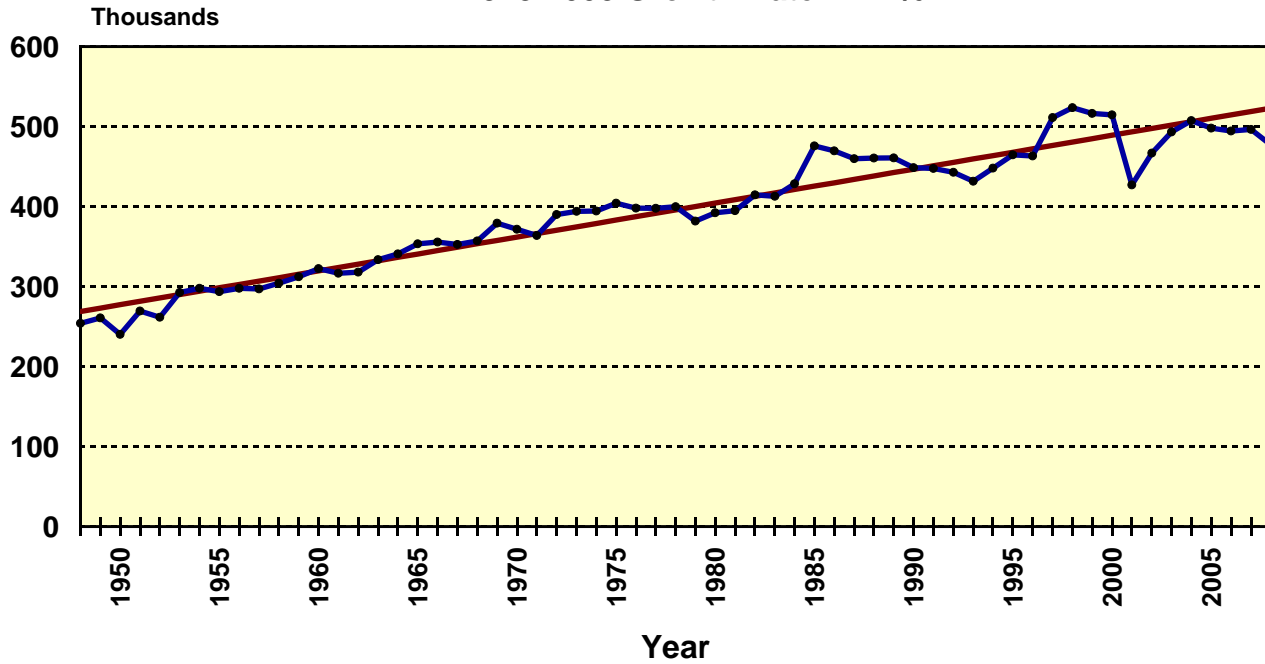
Average Daily Traffic Volumes Total of 47 NYC Toll-Free Bridges

1948-2008 Growth Rate = 1.6%



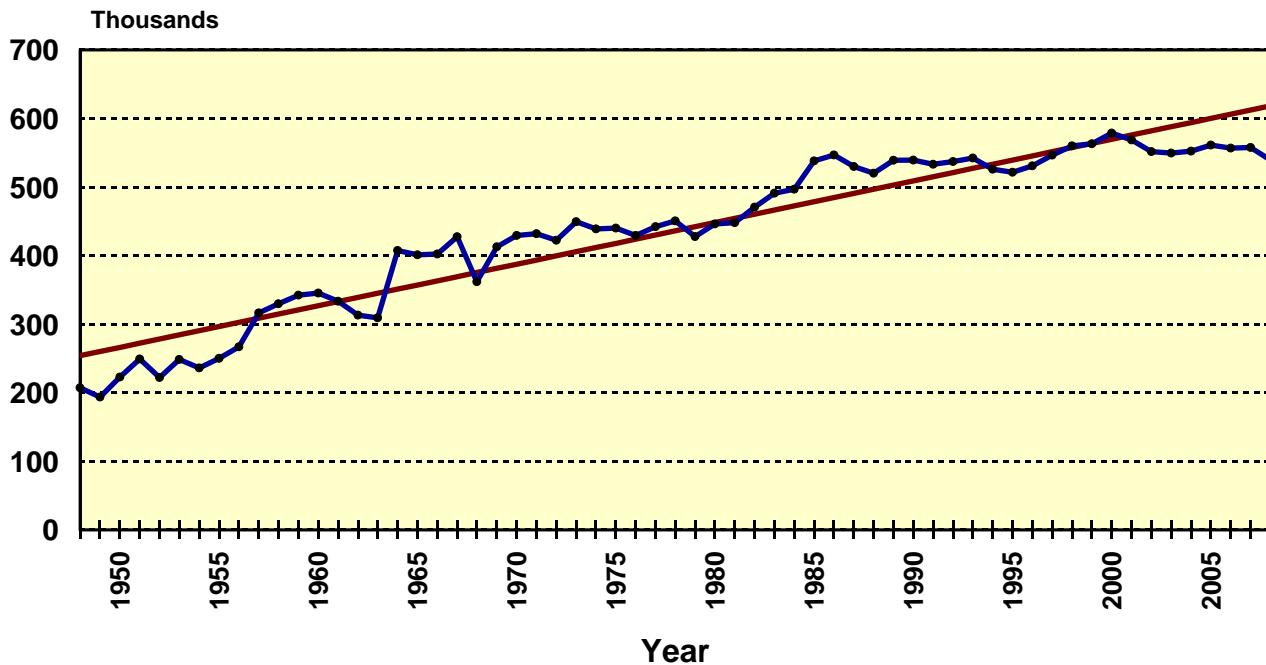
Average Daily Traffic Volumes Total of 4 East River Bridges

1948-2008 Growth Rate = 1.1%



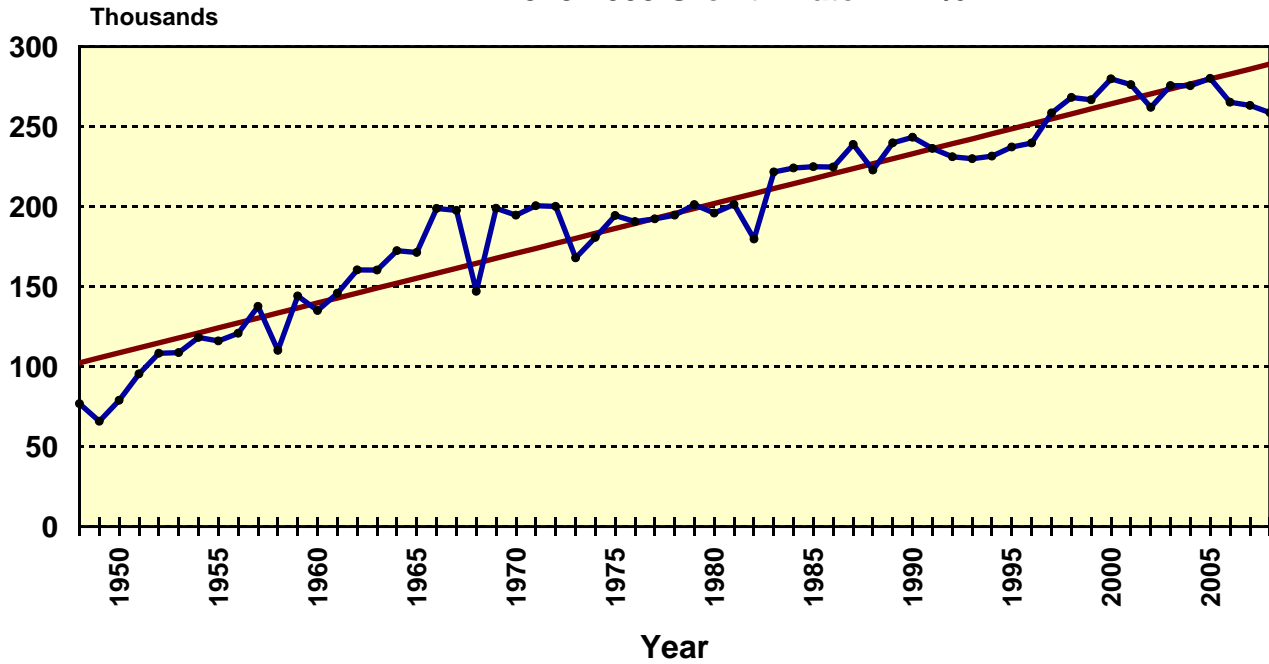
Average Daily Traffic Volumes Total of 9 Harlem River Bridges

1948-2008 Growth Rate = 1.5%



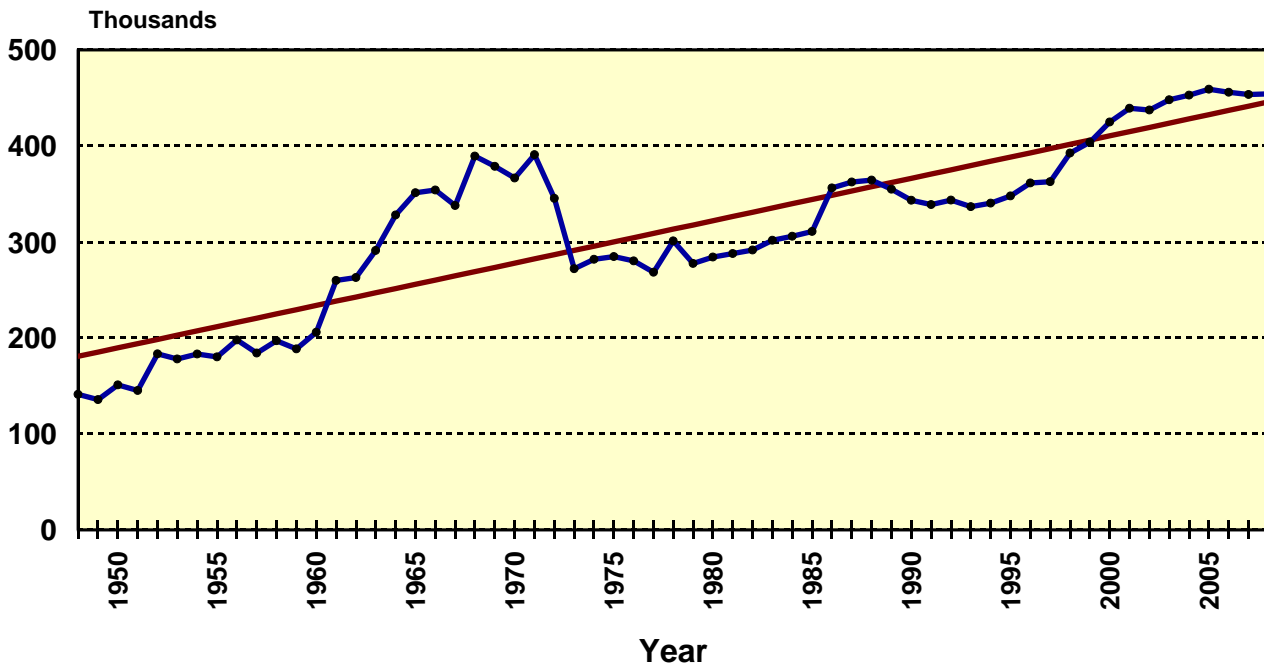
Average Daily Traffic Volumes Total of 4 Brooklyn-Queens Bridges

1948-2008 Growth Rate = 1.7%



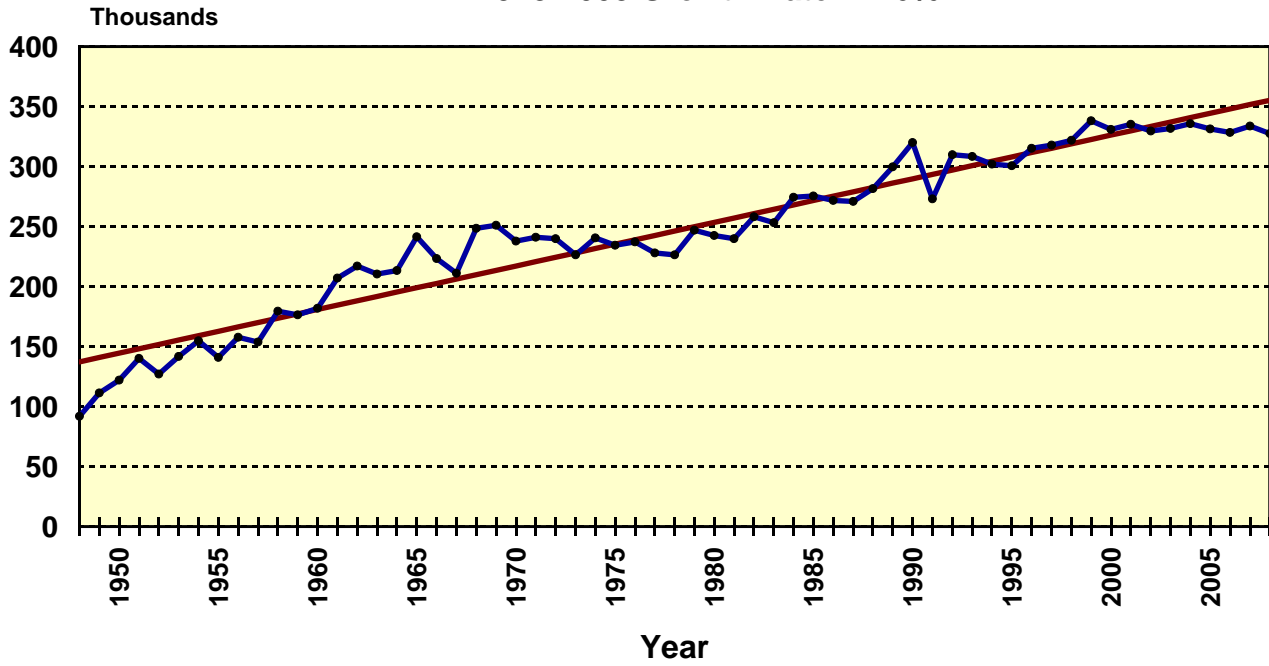
Average Daily Traffic Volumes Total of 8 Bronx Bridges

1948-2008 Growth Rate = 1.5%



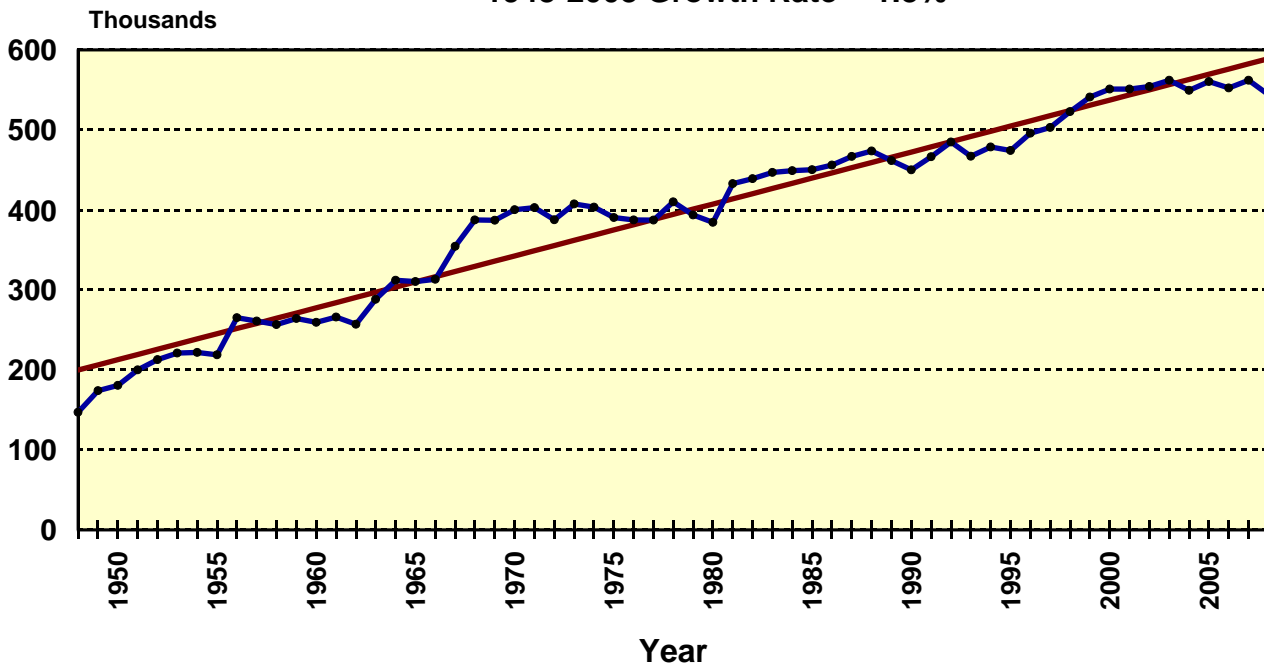
Average Daily Traffic Volumes Total of 10 Brooklyn Bridges

1948-2008 Growth Rate = 1.6%

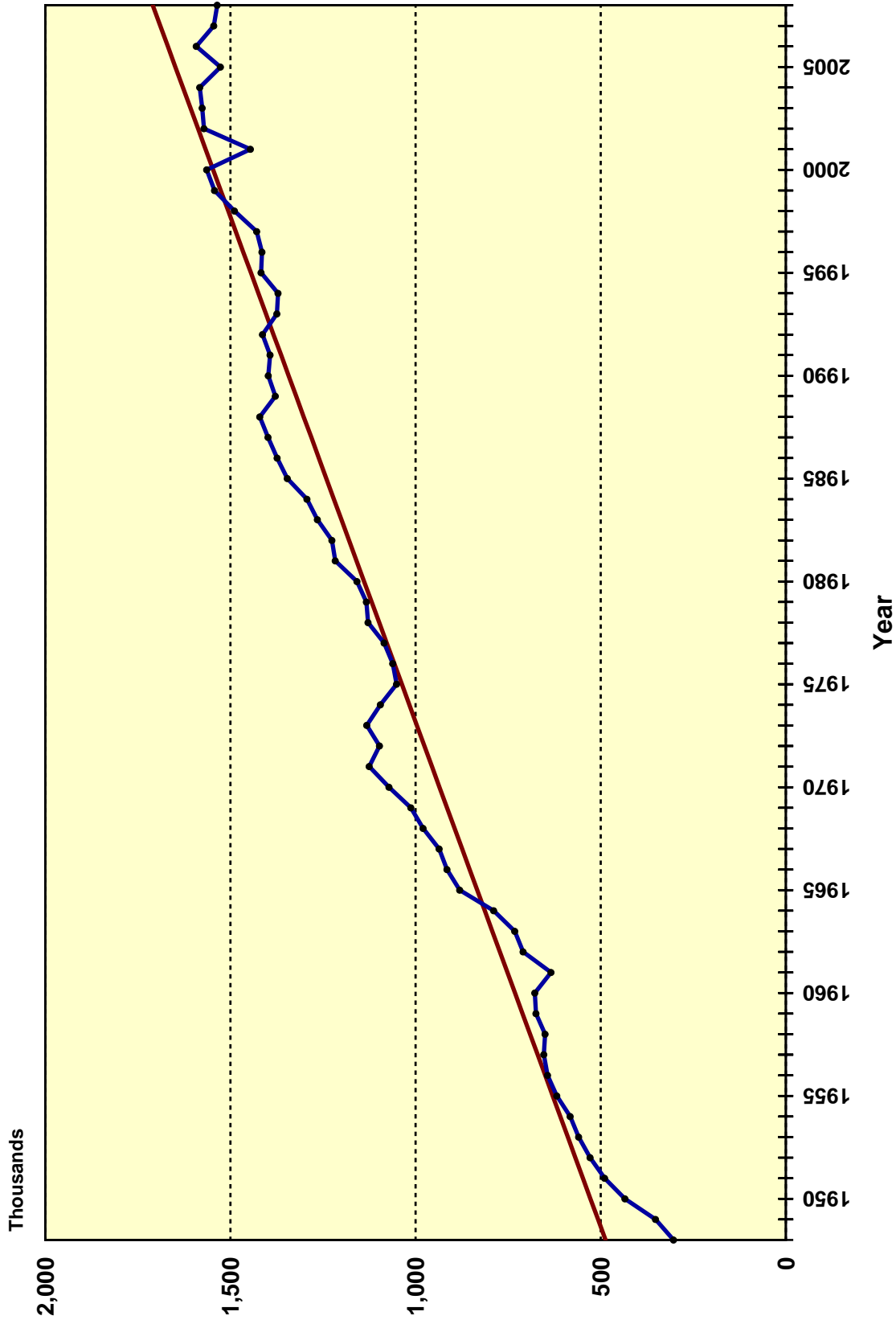


Average Daily Traffic Volumes Total of 11 Queens Bridges

1948-2008 Growth Rate = 1.8%

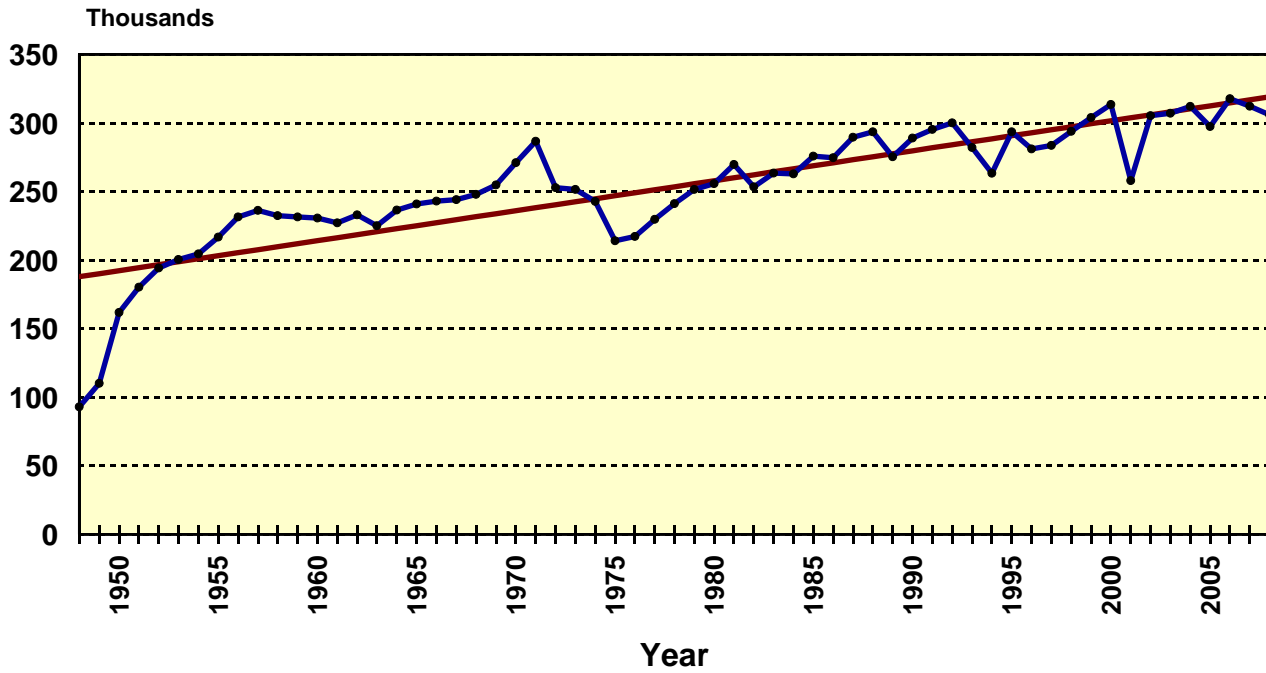


Average Daily Traffic Volumes Total of 16 NYC Tolled Facilities 1948-2008 Growth Rate = 2.1%



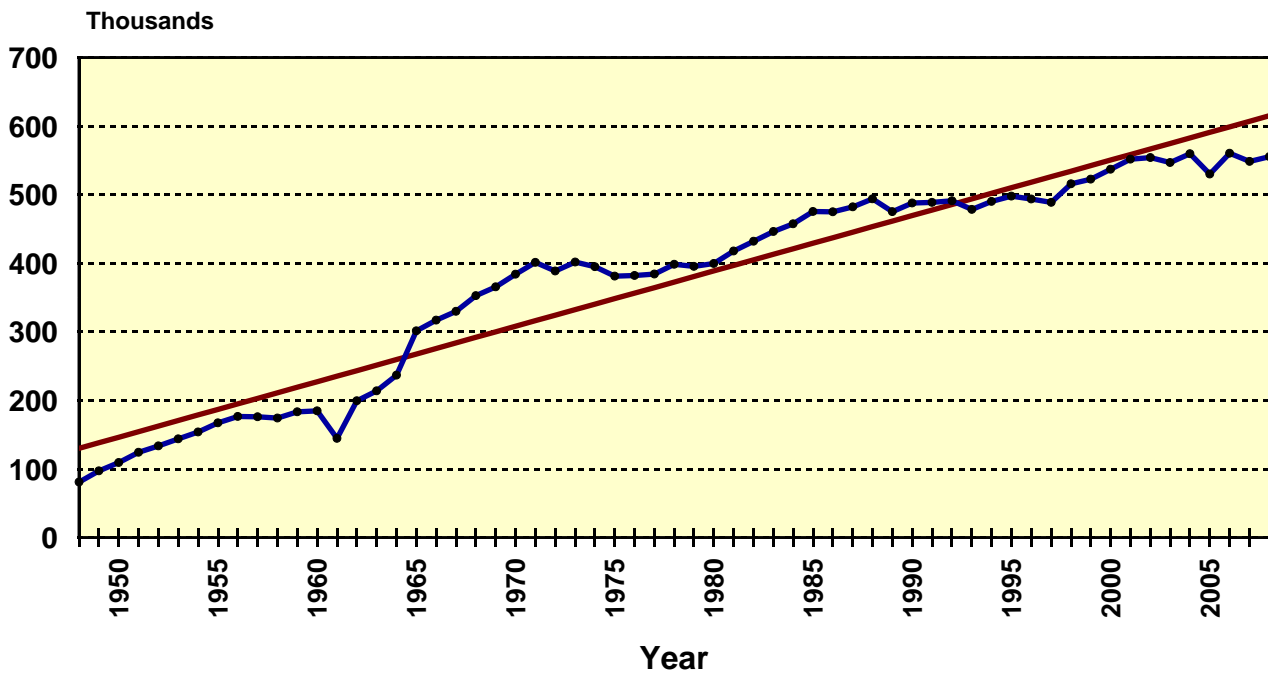
Average Daily Traffic Volumes Total of 4 Manhattan M.T.A.B.T. Facilities

1948-2008 Growth Rate = 0.9%



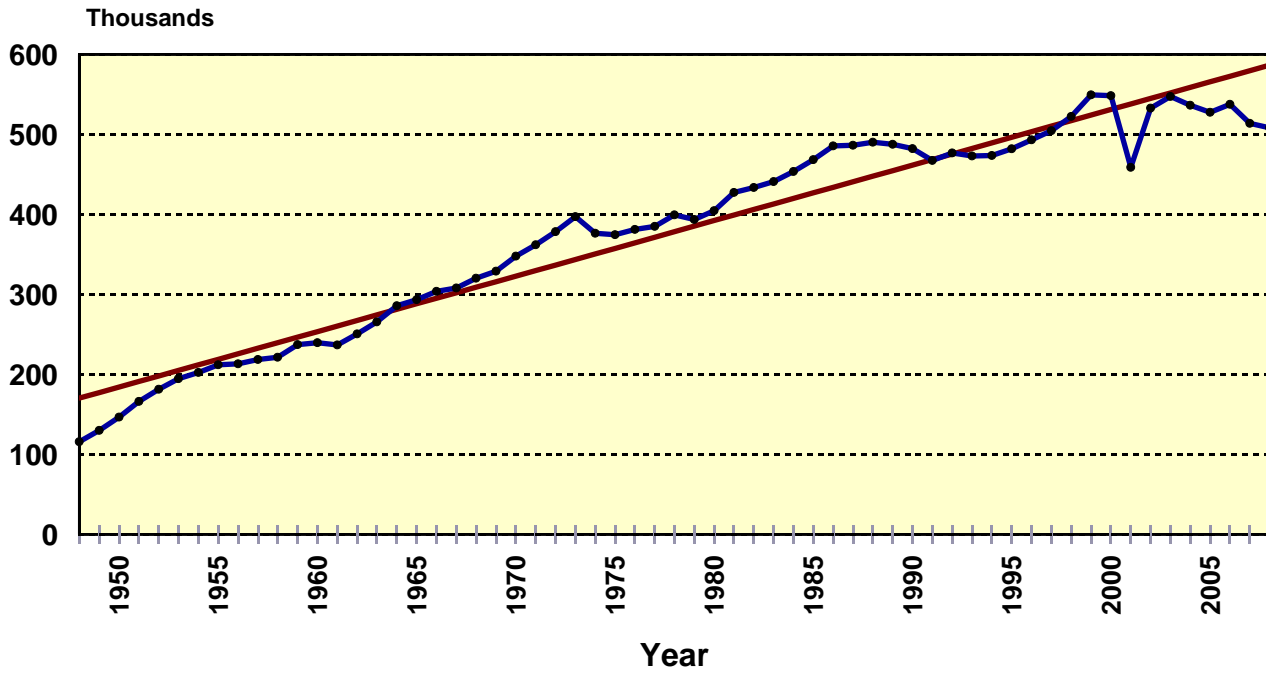
Average Daily Traffic Volumes Total of 6 Outer Borough M.T.A.B.T. Bridges

1948-2008 Growth Rate = 2.6%



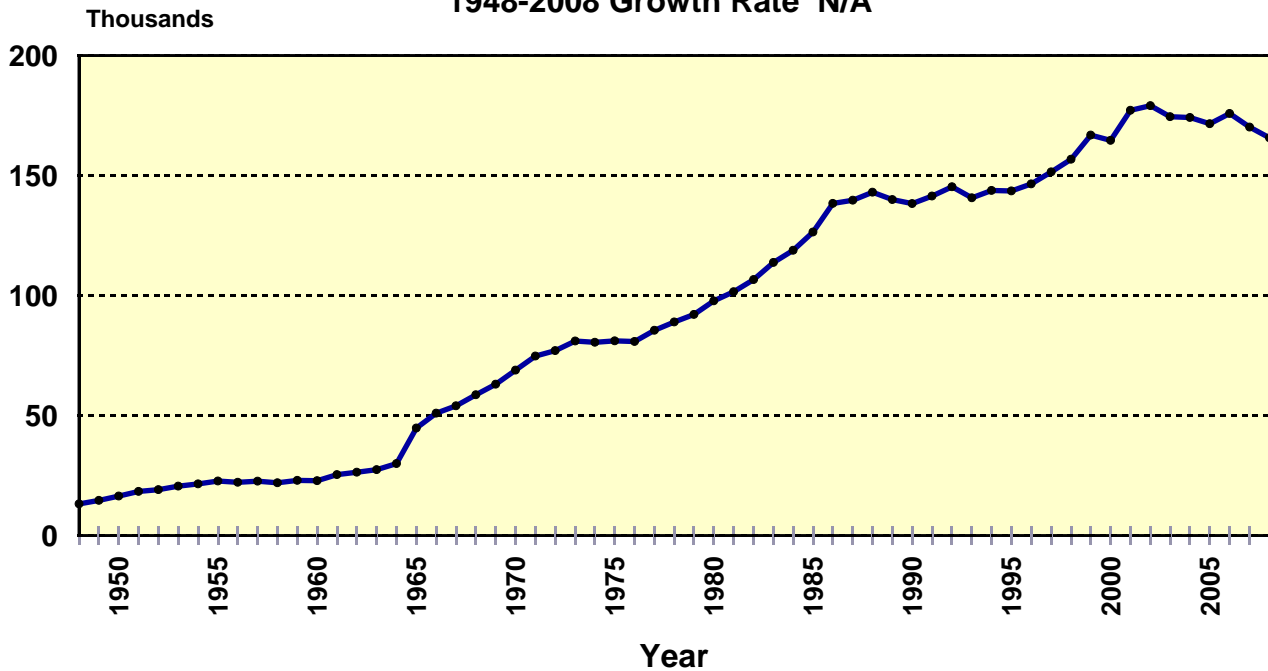
Average Daily Traffic Volumes Total of 3 Manhattan P.A.N.Y.N.J. Facilities

1948-2008 Growth Rate = 2.1%



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

1948-2008 Growth Rate N/A



10-Year Traffic Growth Rate Trends

N.Y.C. Bridges

1948-2008

Page 1 of 3

East River Bridges	1948-1958	1958-1968	1968-1978	1978-1988	1988-1998	1998-2008
Brooklyn Bridge	6.2%	4.7%	1.8%	2.9%	1.1%	- 0.4%
Manhattan Bridge	- 1.2%	0.4%	- 0.8%	0.6%	1.4%	- 1.1%
Queensboro Bridge	1.4%	2.6%	1.3%	1.9%	2.7%	- 0.5%
Williamsburg Bridge	5.8%	- 1.0%	1.5%	3.4%	- 1.1%	0.4%
Total	2.2%	1.7%	1.1%	2.2%	1.2%	- 0.4%

Harlem River Bridges						
Alexander Hamilton Bridge	<i>Opened Jan. 1963</i>		2.6%	2.2%	- 0.4%	0.9%
Broadway Bridge		2.6%	- 0.2%	1.3%	2.0%	0.2%
Macombs Dam Bridge		5.7%	- 3.7%	- 1.1%	3.0%	- 0.2%
Madison Avenue Bridge		5.6%	- 0.3%	1.8%	1.4%	- 2.5%
Third Avenue Bridge		6.3%	- 1.7%	1.7%	1.8%	1.1%
University Heights Bridge		5.2%	- 4.6%	2.0%	1.6%	1.5%
Washington Bridge		4.3%	- 5.8%	2.9%	3.5%	0.9%
Willis Avenue Bridge		4.1%	1.4%	- 1.2%	3.5%	1.8%
145th Street Bridge		3.1%	- 3.5%	- 1.6%	2.5%	0.1%
Total		4.8%	2.3%	1.3%	2.4%	0.3%

Brooklyn-Queens Bridges						
Grand Street Bridge		6.3%	3.5%	-10.2%	5.4%	0.4%
Greenpoint Avenue Bridge *		6.3%	- 1.0%	- 2.5%	- 1.4%	3.6%
Kosciuszko Bridge		6.4%	4.9%	3.3%	2.2%	1.2%
Pulaski Bridge		4.2%	4.5%	- 2.9%	3.0%	- 0.6%
Total		5.9%	3.9%	0.8%	2.0%	1.1%

Bronx Bridges						
City Island Bridge		2.0%	7.0%	2.2%	3.1%	0.1%
East 174th Street Bridge		- 1.3%	3.6%	- 3.8%	5.7%	0.5%
Eastchester Bridge		- 0.7%	2.4%	2.3%	2.8%	- 0.3%
Eastern Blvd Bridge		3.5%	4.0%	2.5%	2.5%	0.3%
Hutchinson River Pkwy Bridge		7.8%	5.9%	2.4%	3.6%	0.7%
Pelham Bridge		2.2%	9.8%	0.1%	0.3%	4.2%
Unionport Bridge		6.7%	11.4%	N/A	3.3%	1.9%
Westchester Avenue Bridge		- 1.3%	12.6%	- 2.2%	1.9%	- 1.6%
Total		3.7%	7.7%	- 4.0%	2.8%	0.6%

* Also known as J.J. Byrne Memorial Bridge.

10-Year Traffic Growth Rate Trends

N.Y.C. Bridges

1948-2008

Page 2 of 3

Brooklyn Bridges	1948-1958	1958-1968	1968-1978	1978-1988	1988-1998	1998-2008
Carroll Street Bridge	- 0.8%	1.5%	- 9.5%	Closed 1980 & 1986-1988		- 1.9%
Cropsey Avenue Bridge	2.4%	2.0%	0.4%	5.3%	- 0.8%	1.9%
Hamilton Avenue Bridge	6.4%	1.5%	- 1.2%	3.8%	2.8%	- 1.5%
Metropolitan Avenue Bridge	5.1%	3.4%	- 3.1%	5.0%	0.4%	- 0.6%
Mill Basin Bridge	10.5%	5.9%	- 0.4%	0.7%	1.0%	- 0.1%
Ninth Street Bridge	4.0%	2.1%	- 1.0%	0.7%	Closed 1995-1998	
Stillwell Avenue Bridge	0.1%	3.3%	2.1%	Closed 1983-1989		1.5%
Third Avenue Bridge	- 1.8%	- 0.9%	0.9%	3.1%	- 0.7%	- 1.6%
Third Street Bridge	1.6%	- 2.7%	- 1.4%	- 0.7%	5.4%	- 1.4%
Union Street Bridge	3.5%	- 0.3%	- 4.3%	5.7%	- 3.6%	- 1.3%
Total	5.1%	3.0%	- 0.8%	1.9%	0.9%	0.0%

Queens Bridges	1948-1958	1958-1968	1968-1978	1978-1988	1988-1998	1998-2008
Borden Avenue Bridge	1.0%	0.6%	7.3%	- 0.9%	- 0.5%	0.6%
Flushing Bridge	4.6%	0.5%	1.2%	4.8%	- 0.3%	- 0.9%
Hook Creek Bridge	6.7%	3.4%	0.7%	2.1%	1.0%	1.0%
Hunters Point Bridge	- 2.0%	- 1.0%	Closed 1975-1983		- 1.6%	- 1.0%
Joseph P. Addabbo Bridge *	2.3%	4.2%	- 1.7%	- 0.4%	0.4%	2.1%
Little Neck Bridge	5.8%	3.7%	0.5%	0.6%	3.8%	- 1.1%
Midtown Highway Bridge	5.9%	3.1%	- 0.0%	- 1.6%	0.0%	1.7%
Rikers Island Bridge	Opened 11/22/1966		5.3%	9.5%	1.4%	- 0.2%
Roosevelt Avenue Bridge	2.2%	- 1.3%	- 1.5%	2.2%	- 0.0%	- 2.6%
Roosevelt Island Bridge	Opened 5/18/1955		7.3%	3.7%	- 0.3%	0.4%
Whitestone Expwy Bridge	7.8%	10.9%	- 0.3%	2.6%	1.9%	0.5%
Total	5.3%	4.2%	0.2%	1.8%	1.1%	0.3%

Staten Island Bridges	1948-1958	1958-1968	1968-1978	1978-1988	1988-1998	1998-2008
Fresh Kills Bridge	6.3%	9.9%	5.6%	2.7%	1.2%	0.9%
TOLL FREE GRAND TOTAL	4.2%	3.7%	- 0.1%	2.2%	0.8%	0.2%

* North Channel Bridge.

10-Year Traffic Growth Rate Trends

N.Y.C. Tolted Facilities

1948-2008

Page 3 of 3

Manhattan MTABT Facilities	1948-1958	1958-1968	1968-1978	1978-1988	1988-1998	1998-2008
Brooklyn-Battery Tunnel	<i>Opened 5/25/1950</i>	2.0%	- 1.9%	0.6%	- 0.7%	- 0.1%
Henry Hudson Bridge	3.6%	- 3.2%	- 4.7%	6.1%	1.2%	1.4%
Queens-Midtown Tunnel	7.5%	1.6%	- 0.3%	0.4%	0.2%	1.3%
R. F. K. Memorial Bridge Manhattan Plaza *	8.7%	2.1%	- 1.2%	1.7%	- 0.7%	- 0.3%
Total	7.9%	0.8%	- 1.7%	1.7%	- 0.1%	0.6%

Manhattan PANYNJ Facilities	1948-1958	1958-1968	1968-1978	1978-1988	1988-1998	1998-2008
George Washington Bridge	8.8%	7.5%	1.9%	2.5%	0.2%	- 0.4%
Holland Tunnel	2.5%	- 0.5%	1.9%	2.4%	2.0%	0.7%
Lincoln Tunnel	7.0%	1.6%	1.8%	2.2%	0.2%	- 0.2%
Total	6.4%	3.9%	1.9%	2.4%	0.5%	- 0.2%

Outer Borough MTABT Bridges	1948-1958	1958-1968	1968-1978	1978-1988	1988-1998	1998-2008
Bronx-Whitestone	9.1%	- 1.2%	0.5%	2.0%	0.3%	- 0.1%
Cross Bay	2.8%	2.0%	- 2.9%	1.3%	0.4%	2.9%
Marine Parkway Gil Hodges Memorial Bridge	4.1%	2.8%	- 2.6%	2.5%	- 0.4%	0.7%
R. F. K. Memorial Bridge Bronx Plaza *	8.6%	2.1%	- 1.7%	2.9%	- 0.6%	- 0.1%
Throgs Neck	<i>Opened 1/11/1961</i>		0.8%	1.0%	0.4%	2.1%
Verrazano-Narrows	<i>Opened 11/21/1964</i>		3.6%	3.7%	0.9%	0.1%
Total	7.7%	9.4%	0.6%	2.5%	0.4%	0.6%

Staten Island PANYNJ Bridges	1948-1958	1958-1968	1968-1978	1978-1988	1988-1998	1998-2008
Bayonne	2.4%	5.0%	1.0%	2.7%	2.0%	2.0%
Goethals	9.1%	24.2%	1.1%	4.8%	0.1%	- 0.2%
Outerbridge Crossing	3.6%	6.8%	16.8%	6.8%	1.4%	0.5%
Total	5.1%	13.6%	3.6%	5.3%	0.9%	0.4%

* Triborough Bridge.

An aerial photograph of the East River in New York City. The Manhattan Bridge is the central focus, stretching across the water from Manhattan to the Bronx. The Williams Bridge is visible in the foreground, connecting the East River to the Bronx. The city skyline is visible in the background. A green arrow-shaped box highlights the text 'East River Bridges' in the upper left quadrant.

East River Bridges

East River Bridges
Average Daily Traffic Volumes
1948 - 2008

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

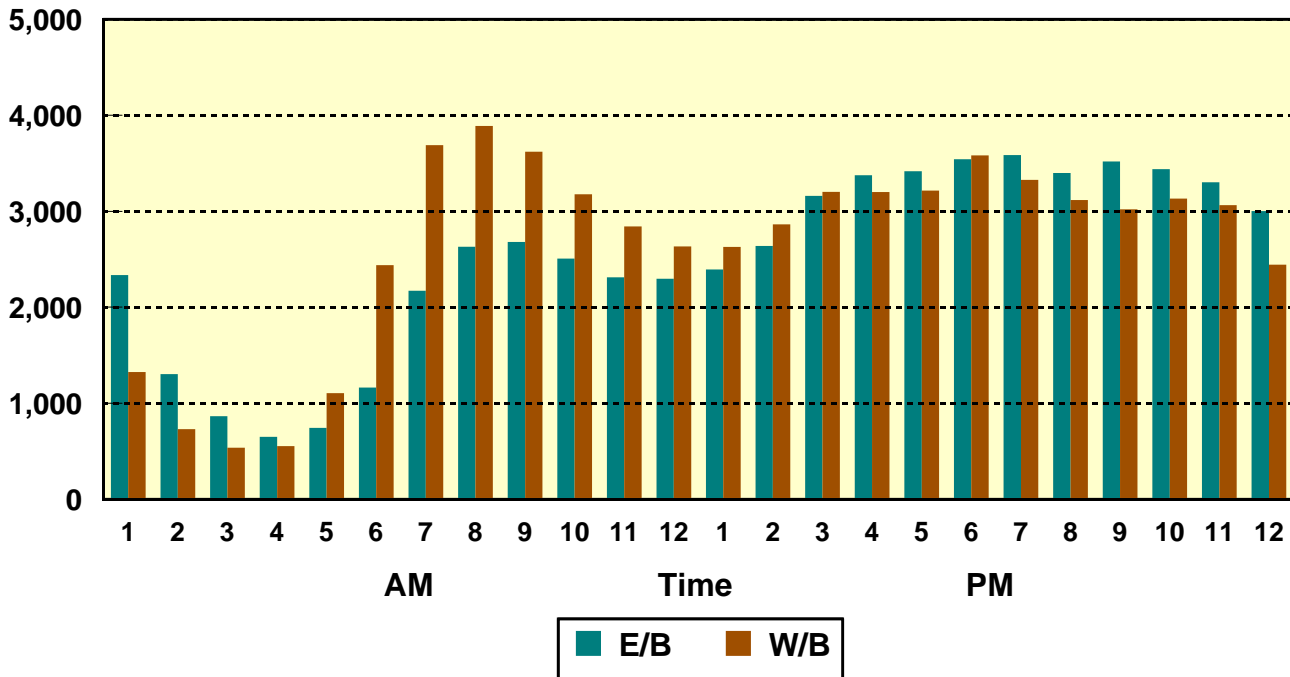
Hourly Vehicular Volumes Brooklyn Bridge - 2008

FHWA Classes ▲	Eastbound to Brooklyn										Westbound to Manhattan										2-Way Grand Totals			
	Commuter Vans					Commercial Vans					Commuter Vans					Commercial Vans								
	Autos & Motorcycles		Large SUVs	Buses	Single Unit Trucks	Tractor Trailers	Total Vehicles	Autos & Motorcycles		Large SUVs	Buses	Single Unit Trucks	Tractor Trailers	Total Vehicles	Autos & Motorcycles		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		1 & 2	3	4	5-7	8-13		1 & 2	3	4	5-7	8-13	
12-1am	2,332	1	1	0	0	2,334	1,308	13	0	4	0	1,325	1,308	13	0	4	0	1,325	1,308	13	0	4	0	1,325
1-2am	1,298	5	1	0	0	1,304	726	4	0	0	0	730	726	4	0	0	0	730	726	4	0	0	0	730
2-3am	861	4	0	0	0	865	529	6	0	2	0	537	529	6	0	2	0	537	529	6	0	2	0	537
3-4am	642	6	1	0	0	649	543	8	0	2	0	553	543	8	0	2	0	553	543	8	0	2	0	553
4-5am	732	9	2	0	0	743	1,092	7	2	4	0	1,105	1,092	7	2	4	0	1,105	1,092	7	2	4	0	1,105
5-6am	1,148	14	1	0	0	1,163	2,358	42	31	7	0	2,438	2,358	42	31	7	0	2,438	2,358	42	31	7	0	2,438
6-7am	2,130	32	9	1	0	2,172	3,561	43	84	2	0	3,690	3,561	43	84	2	0	3,690	3,561	43	84	2	0	3,690
7-8am	2,576	34	20	1	0	2,631	3,820	25	41	3	0	3,889	3,820	25	41	3	0	3,889	3,820	25	41	3	0	3,889
8-9am	2,616	42	22	1	0	2,681	3,579	29	10	3	0	3,621	3,579	29	10	3	0	3,621	3,579	29	10	3	0	3,621
9-10am	2,436	44	27	1	0	2,508	3,137	26	10	6	0	3,179	3,137	26	10	6	0	3,179	3,137	26	10	6	0	3,179
10-11am	2,268	28	16	0	0	2,312	2,802	23	12	7	0	2,843	2,802	23	12	7	0	2,843	2,802	23	12	7	0	2,843
11-12am	2,232	43	22	0	0	2,297	2,581	33	13	7	0	2,634	2,581	33	13	7	0	2,634	2,581	33	13	7	0	2,634
12-1pm	2,329	42	22	0	0	2,393	2,583	22	23	2	0	2,630	2,583	22	23	2	0	2,630	2,583	22	23	2	0	2,630
1-2pm	2,571	39	29	1	0	2,640	2,766	37	51	10	0	2,864	2,766	37	51	10	0	2,864	2,766	37	51	10	0	2,864
2-3pm	3,071	42	45	2	0	3,160	3,137	32	31	3	0	3,203	3,137	32	31	3	0	3,203	3,137	32	31	3	0	3,203
3-4pm	3,302	35	38	0	0	3,375	3,128	36	36	1	0	3,201	3,128	36	36	1	0	3,201	3,128	36	36	1	0	3,201
4-5pm	3,357	35	24	1	0	3,417	3,164	33	17	2	0	3,216	3,164	33	17	2	0	3,216	3,164	33	17	2	0	3,216
5-6pm	3,484	38	21	0	0	3,543	3,540	24	16	2	0	3,582	3,540	24	16	2	0	3,582	3,540	24	16	2	0	3,582
6-7pm	3,515	54	16	1	0	3,586	3,286	26	13	2	0	3,327	3,286	26	13	2	0	3,327	3,286	26	13	2	0	3,327
7-8pm	3,357	37	5	0	0	3,399	3,096	15	6	0	0	3,117	3,096	15	6	0	0	3,117	3,096	15	6	0	0	3,117
8-9pm	3,502	16	2	0	0	3,520	2,999	20	1	1	0	3,021	2,999	20	1	1	0	3,021	2,999	20	1	1	0	3,021
9-10pm	3,424	14	1	0	0	3,439	3,104	25	3	1	0	3,133	3,104	25	3	1	0	3,133	3,104	25	3	1	0	3,133
10-11pm	3,295	6	1	0	0	3,302	3,039	22	0	3	0	3,064	3,039	22	0	3	0	3,064	3,039	22	0	3	0	3,064
11-12pm	2,996	6	2	0	0	3,004	2,417	20	1	4	0	2,442	2,417	20	1	4	0	2,442	2,417	20	1	4	0	2,442
Totals	59,474	626	328	9	0	60,437	62,295	571	401	77	0	63,344	62,295	571	401	77	0	63,344	62,295	571	401	77	0	63,344
7-10am	7,628	120	69	3	0	7,820	10,536	80	61	12	0	10,689	10,536	80	61	12	0	10,689	10,536	80	61	12	0	10,689
10am-1pm	6,829	113	60	0	0	7,002	7,966	78	48	15	0	8,107	7,966	78	48	15	0	8,107	7,966	78	48	15	0	8,107
1-4pm	8,944	116	112	3	0	9,175	9,031	105	118	14	0	9,268	9,031	105	118	14	0	9,268	9,031	105	118	14	0	9,268
4-7pm	10,356	127	61	2	0	10,546	9,990	83	46	6	0	10,125	9,990	83	46	6	0	10,125	9,990	83	46	6	0	10,125
7am-7pm	33,757	476	302	8	0	34,543	37,523	346	273	47	0	38,189	37,523	346	273	47	0	38,189	37,523	346	273	47	0	38,189

Based on March 2006 Classification Survey Data

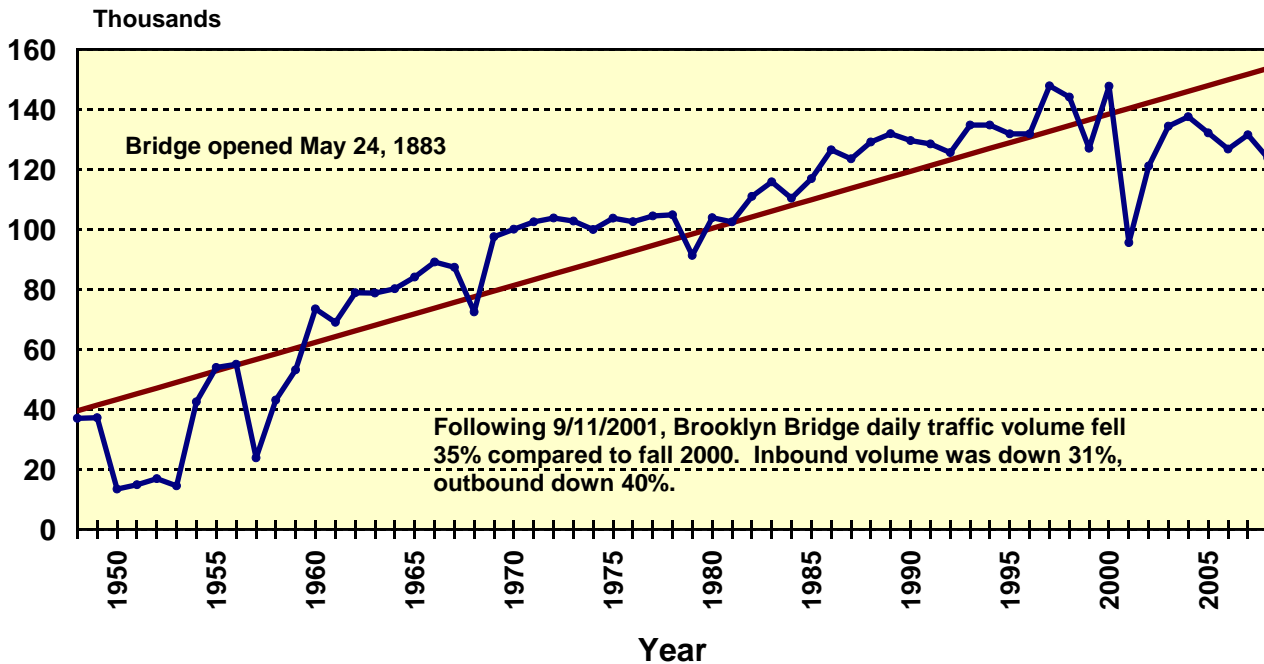
** Peak Volumes

Hourly Vehicular Volumes Brooklyn Bridge - 2008



Average Daily Traffic Volumes Brooklyn Bridge

1948-2008 Growth Rate = 2.3%



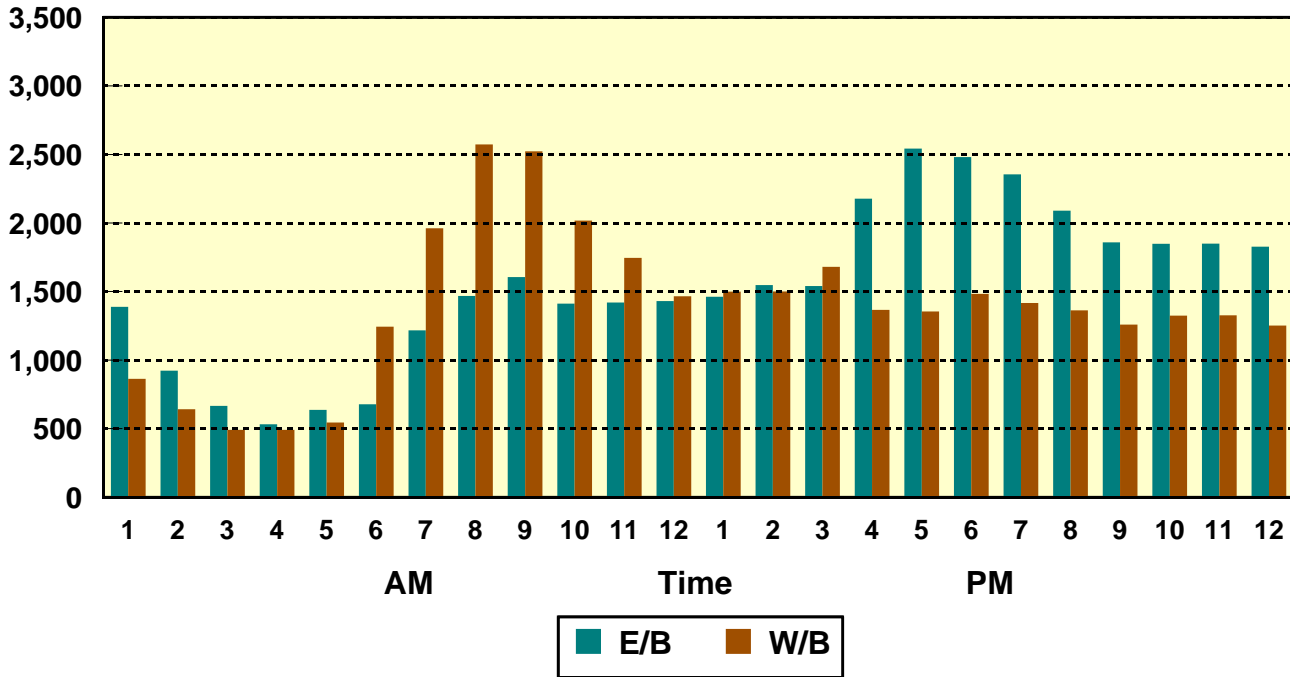
Hourly Vehicular Volumes Manhattan Bridge - 2008

FHWA Classes	Eastbound to Brooklyn							Westbound to Manhattan							2-Way Grand Totals		
	Commuter Vans Commercial Vans Pickups			Autos & Motorcycles				Total Vehicles	Commuter Vans Commercial Vans Pickups			Autos & Motorcycles				Total Vehicles	
	1 & 2	3	4	5-7	8-13	Single Unit Trucks	Tractor Trailers		8-13	1 & 2	3	4	5-7	8-13	Single Unit Trucks		Tractor Trailers
12-1am	1,345	17	8	15	3	15	3	1,388	850	9	1	3	0	3	0	0	863
1-2am	901	11	3	7	1	7	1	923	629	9	1	2	0	2	0	0	641
2-3am	644	9	2	10	1	10	1	666	480	5	1	5	0	5	0	0	491
3-4am	501	10	2	14	4	14	4	531	477	7	2	5	0	5	0	0	491
4-5am	610	6	2	18	1	18	1	637	528	5	4	8	0	8	0	0	545
5-6am	652	6	6	13	1	13	1	678	987	20	15	189	33	189	33	0	1,244
6-7am	1,083	27	31	68	8	68	8	1,217	1,536	49	56	280	40	280	40	0	1,961
7-8am	1,240	42	48	130	8	130	8	1,468	2,048	55	63	388	19	388	19	**	2,573
8-9am	1,355	31	52	156	12	156	12	1,606	2,069	44	48	343	19	343	19	0	2,523
9-10am	1,140	31	55	174	11	174	11	1,411	1,580	38	36	343	21	343	21	0	2,018
10-11am	1,161	22	49	176	12	176	12	1,420	1,326	36	36	319	28	319	28	0	1,745
11-12am	1,160	31	49	178	12	178	12	1,462	1,115	38	26	273	14	273	14	0	1,466
12-1pm	1,139	38	50	223	12	223	12	1,547	1,097	40	34	313	15	313	15	0	1,499
1-2pm	1,213	42	53	229	10	229	10	1,547	1,069	38	43	337	14	337	14	0	1,501
2-3pm	1,274	29	45	179	13	179	13	1,540	1,392	34	39	206	9	206	9	0	1,680
3-4pm	1,855	46	91	180	6	180	6	2,178	1,183	25	28	119	10	119	10	0	1,365
4-5pm	2,301	55	67	112	8	112	8	2,543	1,158	25	30	135	6	135	6	0	1,354
5-6pm	2,287	44	62	80	9	80	9	2,482	1,294	25	41	119	3	119	3	0	1,482
6-7pm	2,200	32	56	61	6	61	6	2,355	1,258	11	52	93	2	93	2	0	1,416
7-8pm	1,954	27	56	48	3	48	3	2,091	1,233	18	39	73	0	73	0	0	1,363
8-9pm	1,770	18	33	35	3	35	3	1,859	1,161	12	20	64	2	64	2	0	1,259
9-10pm	1,778	23	22	22	4	22	4	1,849	1,257	11	14	41	1	41	1	0	1,324
10-11pm	1,772	27	21	25	5	25	5	1,850	1,282	10	7	28	0	28	0	0	1,327
11-12pm	1,768	15	15	25	4	25	4	1,827	1,231	4	3	13	1	13	1	0	1,252
Totals	33,103	639	878	2,178	160	2,178	160	36,958	28,240	568	639	3,699	237	3,699	237	0	33,383
7-10am	3,735	104	155	460	31	460	31	4,485	5,697	137	147	1,074	59	1,074	59	0	7,114
10am-1pm	3,460	91	148	577	36	577	36	4,312	3,538	114	96	905	57	905	57	0	4,710
1-4pm	4,342	117	189	588	29	588	29	5,265	3,644	97	110	662	33	662	33	0	4,546
4-7pm	6,788	131	185	253	23	253	23	7,380	3,710	61	123	347	11	347	11	0	4,252
7am-7pm	18,325	443	677	1,878	119	1,878	119	21,442	16,589	409	476	2,988	160	2,988	160	0	20,622

Based on April 2006 Classification Survey Data

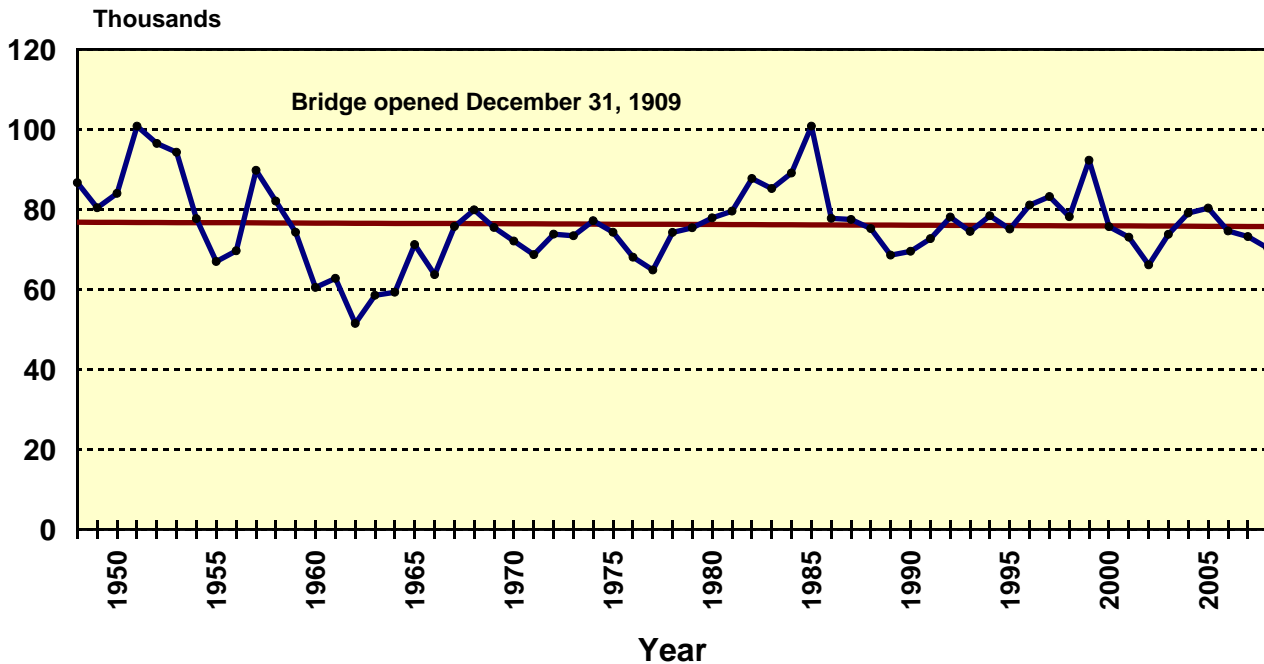
** Peak Volumes

Hourly Vehicular Volumes Manhattan Bridge - 2008



Average Daily Traffic Volumes Manhattan Bridge

1948-2008 Growth Rate = 0.0%



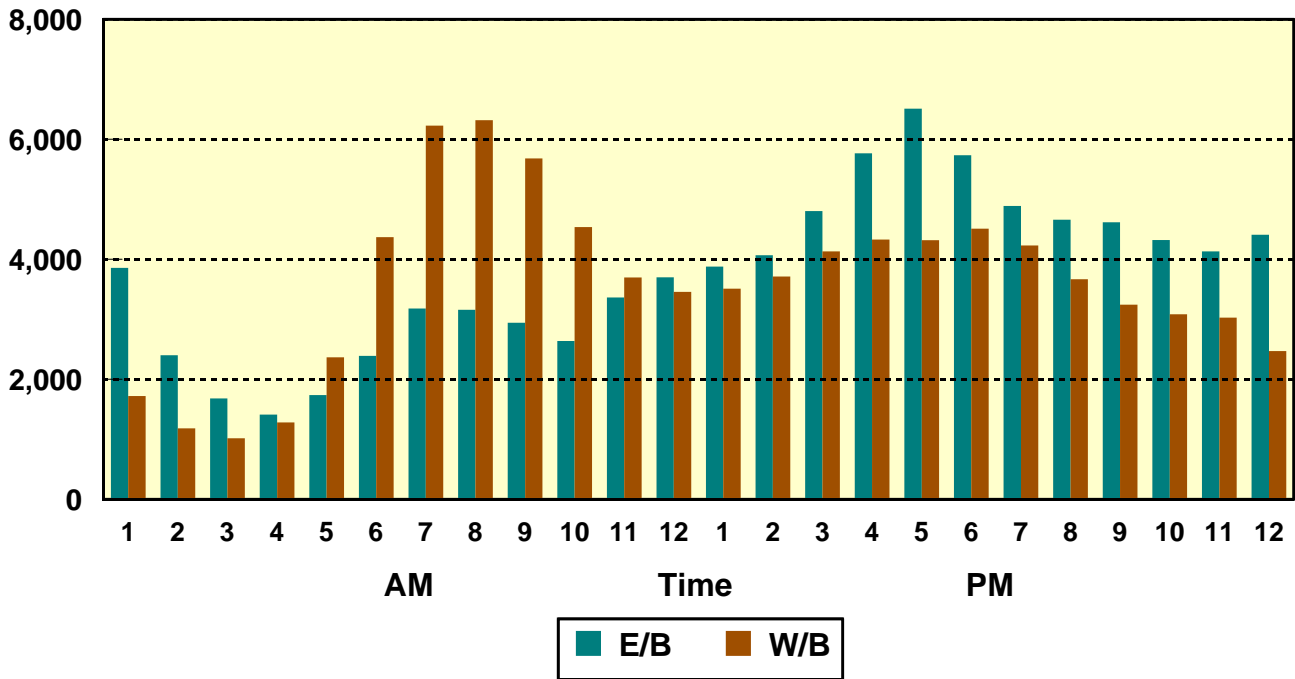
Hourly Vehicular Volumes Queensboro Bridge - 2008

FHWA Classes	Eastbound to Queens										Westbound to Manhattan										2-Way Grand Totals
	Commuter Vans					Total Vehicles	Commuter Vans					Tractor Trailers	Total Vehicles	Commuter Vans							
	Autos & Motorcycles	Pickups	Large SUVs	Buses	Single Trucks		5 - 7	8 - 13	Autos & Motorcycles	Pickups	Large SUVs			Buses	Single Trucks	5 - 7	8 - 13				
1 & 2	3	4	5 - 7	8 - 13		1 & 2	3	4	5 - 7	8 - 13		1 & 2	3	4	5 - 7	8 - 13					
12-1am	3,763	44	14	36	0	3,857	1,682	16	11	9	1,719	1,682	16	11	9	1,719					
1-2am	2,342	22	10	24	1	2,399	1,147	14	6	13	1,181	1,147	14	6	13	1,181					
2-3am	1,633	9	4	31	1	1,678	964	10	5	36	1,015	964	10	5	36	1,015					
3-4am	1,353	7	2	49	0	1,411	1,188	8	13	68	1,278	1,188	8	13	68	1,278					
4-5am	1,638	16	14	66	0	1,734	2,167	29	21	147	2,365	2,167	29	21	147	2,365					
5-6am	2,231	37	17	104	1	2,390	4,034	53	29	230	4,370	4,034	53	29	230	4,370					
6-7am	2,949	32	24	172	1	3,178	5,852	77	37	246	6,228	5,852	77	37	246	6,228					
7-8am	2,866	51	28	208	4	3,157	5,869	69	52	294	6,318	5,869	69	52	294	6,318					
8-9am	2,631	50	39	215	7	2,942	5,244	73	59	277	5,681	5,244	73	59	277	5,681					
9-10am	2,354	38	35	204	5	2,636	4,166	72	44	218	4,537	4,166	72	44	218	4,537					
10-11am	2,961	61	55	276	11	3,364	3,353	63	33	214	3,695	3,353	63	33	214	3,695					
11-12am	3,321	57	43	272	5	3,698	3,155	54	26	185	3,456	3,155	54	26	185	3,456					
12-1pm	3,474	69	42	286	6	3,877	3,214	37	37	184	3,507	3,214	37	37	184	3,507					
1-2pm	3,642	82	46	293	5	4,068	3,460	49	34	132	3,713	3,460	49	34	132	3,713					
2-3pm	4,384	86	56	271	7	4,804	3,858	66	41	132	4,133	3,858	66	41	132	4,133					
3-4pm	5,326	86	59	288	8	5,767	4,063	51	43	150	4,330	4,063	51	43	150	4,330					
4-5pm	6,073	99	47	286	8	6,513	4,098	50	35	121	4,319	4,098	50	35	121	4,319					
5-6pm	5,360	76	45	243	10	5,734	4,328	40	38	79	4,509	4,328	40	38	79	4,509					
6-7pm	4,600	59	46	179	6	4,890	4,107	33	26	49	4,230	4,107	33	26	49	4,230					
7-8pm	4,366	76	54	156	9	4,661	3,563	26	29	36	3,666	3,563	26	29	36	3,666					
8-9pm	4,326	83	66	137	4	4,616	3,154	30	21	31	3,244	3,154	30	21	31	3,244					
9-10pm	4,083	65	50	119	3	4,320	3,000	25	16	35	3,081	3,000	25	16	35	3,081					
10-11pm	3,922	55	45	110	1	4,133	2,957	22	19	27	3,025	2,957	22	19	27	3,025					
11-12pm	4,282	51	27	49	1	4,410	2,421	13	14	20	2,469	2,421	13	14	20	2,469					
Totals	83,880	1,311	868	4,074	104	90,237	81,044	980	689	2,933	86,069	81,044	980	689	2,933	86,069					
7-10am	7,851	139	102	627	16	8,735	15,279	214	155	789	16,536	15,279	214	155	789	16,536					
10am-1pm	9,756	187	140	834	22	10,939	9,722	154	96	583	10,658	9,722	154	96	583	10,658					
1-4pm	13,352	254	161	852	20	14,639	11,381	166	118	414	12,176	11,381	166	118	414	12,176					
4-7pm	16,033	234	138	708	24	17,137	12,533	123	99	249	13,058	12,533	123	99	249	13,058					
7am-7pm	46,992	814	541	3,021	82	51,450	48,915	657	468	2,035	52,428	48,915	657	468	2,035	52,428					

Based on April 2006 Classification Survey Data

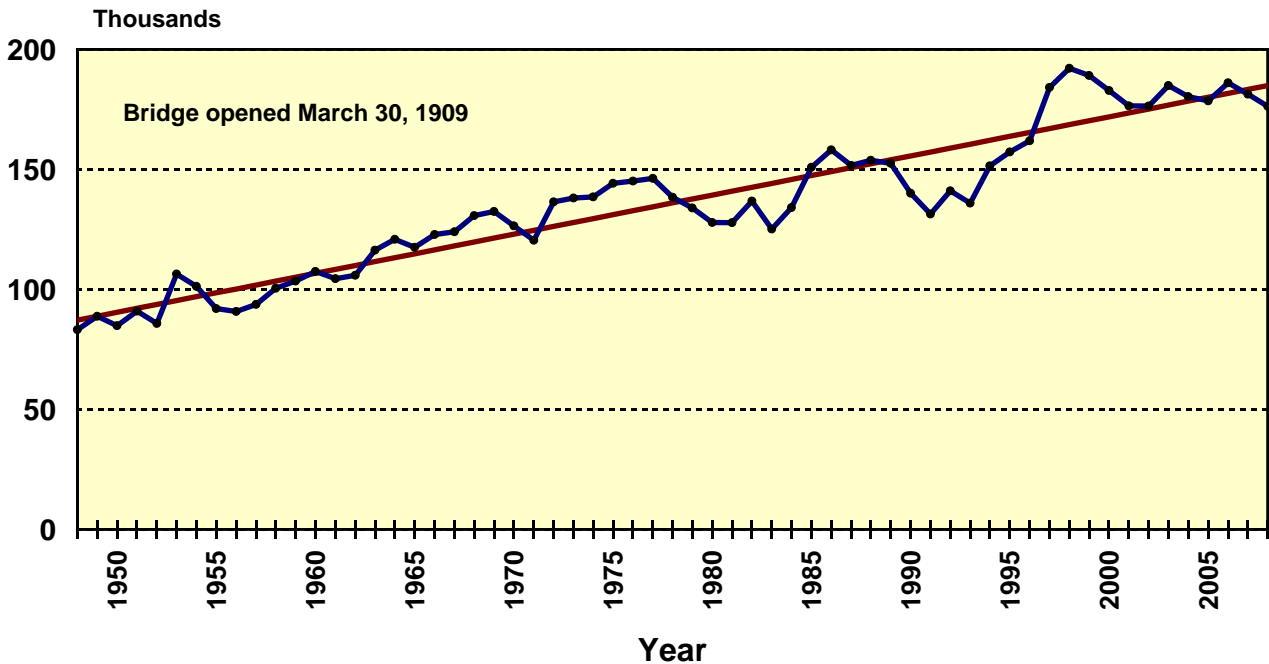
** Peak Volumes

Hourly Vehicular Volumes Queensboro Bridge - 2008



Average Daily Traffic Volumes Queensboro Bridge

1948-2008 Growth Rate = 1.3%



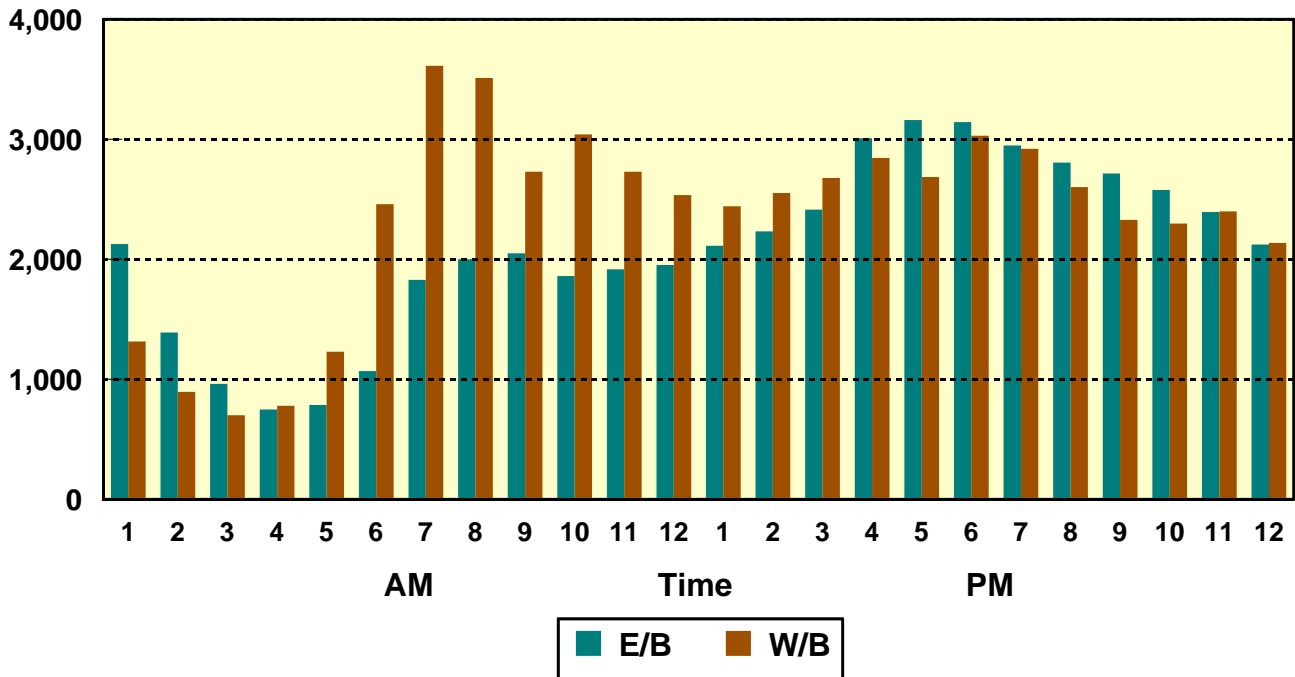
Hourly Vehicular Volumes Williamsburg Bridge - 2008

FHWA Classes ▲	Eastbound to Brooklyn										Westbound to Manhattan										2-Way Grand Totals
	Commuter Vans					Total Vehicles	Commuter Vans					Tractor Trailers	Total Vehicles	Commuter Vans							
	Autos & Motorcycles	Large SUVs	Buses	Single Unit Trucks	5 - 7		8 - 13	Autos & Motorcycles	Large SUVs	Buses	Single Unit Trucks			5 - 7	8 - 13	Autos & Motorcycles	Large SUVs	Buses	Single Unit Trucks	5 - 7	
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	2,118	6	1	2	0	2,127	4	1	0	0	2,131	4	1	0	0	1,315	0	0	0	1,315	
1-2am	1,385	3	1	0	1	1,390	3	1	0	1	889	3	1	1	0	894	0	0	0	894	
2-3am	951	5	3	2	1	962	5	3	2	1	692	5	3	2	0	700	0	0	0	700	
3-4am	732	7	3	3	2	747	7	3	3	2	772	4	0	1	1	778	1	1	1	778	
4-5am	774	6	2	3	0	785	6	2	3	0	1,221	6	1	1	1	1,230	1	1	1	1,230	
5-6am	1,047	6	8	6	0	1,067	6	8	6	0	2,443	7	7	1	2	2,460	1	2	2	2,460	
6-7am	1,756	14	30	24	3	1,827	14	30	24	3	3,568	18	18	9	0	3,613	9	0	0	3,613	
7-8am	1,894	22	48	36	1	2,001	22	48	36	1	3,443	33	21	15	0	3,512	15	0	0	3,512	
8-9am	1,951	22	44	31	3	2,051	22	44	31	3	2,666	31	19	14	1	2,731	14	1	1	2,731	
9-10am	1,755	27	44	31	2	1,859	27	44	31	2	2,974	29	20	14	3	3,040	14	3	3	3,040	
10-11am	1,779	36	61	39	1	1,916	36	61	39	1	2,664	34	19	9	4	2,730	9	4	4	2,730	
11-12am	1,824	31	54	41	2	1,952	31	54	41	2	2,481	28	17	8	1	2,535	8	1	1	2,535	
12-1pm	1,976	55	25	55	2	2,113	55	25	55	2	2,373	34	17	17	1	2,442	17	1	1	2,442	
1-2pm	2,089	64	28	49	3	2,233	64	28	49	3	2,483	33	20	16	1	2,553	16	1	1	2,553	
2-3pm	2,282	52	35	42	3	2,414	52	35	42	3	2,612	32	15	17	2	2,678	17	2	2	2,678	
3-4pm	2,853	64	37	52	3	3,009	64	37	52	3	2,768	30	21	23	3	2,845	23	3	3	2,845	
4-5pm	3,013	60	36	46	5	3,160	60	36	46	5	2,610	37	19	19	1	2,686	19	1	1	2,686	
5-6pm	3,020	57	34	32	1	3,144	57	34	32	1	2,941	43	26	19	2	3,031	19	2	2	3,031	
6-7pm	2,862	38	24	23	2	2,949	38	24	23	2	2,850	35	17	17	2	2,921	17	2	2	2,921	
7-8pm	2,734	29	23	19	1	2,806	29	23	19	1	2,550	26	15	12	0	2,603	12	0	0	2,603	
8-9pm	2,657	24	19	13	2	2,715	24	19	13	2	2,305	14	5	4	1	2,329	4	1	1	2,329	
9-10pm	2,546	13	12	5	2	2,578	13	12	5	2	2,277	13	4	3	1	2,298	3	1	1	2,298	
10-11pm	2,375	10	4	3	2	2,394	10	4	3	2	2,379	14	2	3	1	2,399	3	1	1	2,399	
11-12pm	2,115	6	1	2	0	2,124	6	1	2	0	2,125	8	2	2	0	2,137	2	0	0	2,137	
Totals	48,488	657	577	559	42	50,323	657	577	559	42	55,396	521	288	227	28	56,460	227	28	28	56,460	
7-10am	5,600	71	136	98	6	5,911	71	136	98	6	9,083	93	60	43	4	9,283	43	4	4	9,283	
10am-1pm	5,579	122	140	135	5	5,981	122	140	135	5	7,518	96	53	34	6	7,707	34	6	6	7,707	
1-4pm	7,224	180	100	143	9	7,656	180	100	143	9	7,863	95	56	56	6	8,076	56	6	6	8,076	
4-7pm	8,895	155	94	101	8	9,253	155	94	101	8	8,401	115	62	55	5	8,638	55	5	5	8,638	
7am-7pm	27,298	528	470	477	28	28,801	528	470	477	28	32,865	399	231	188	21	33,704	188	21	21	33,704	

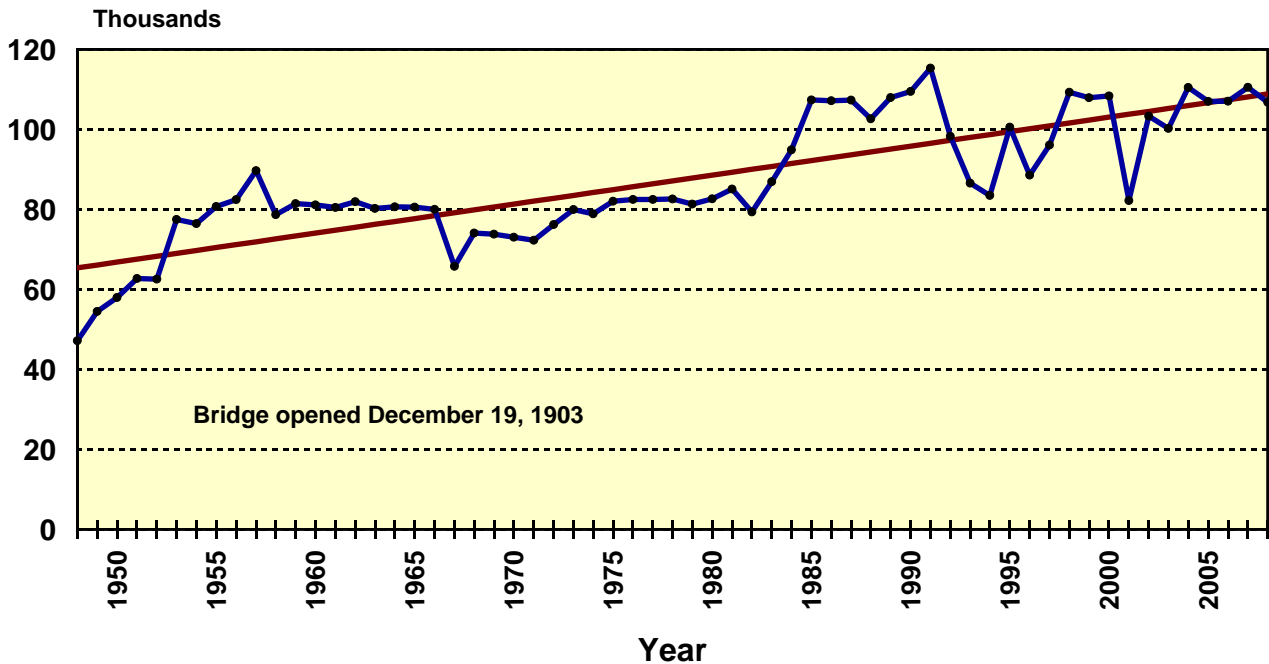
Based on March 2006 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Williamsburg Bridge - 2008



Average Daily Traffic Volumes Williamsburg Bridge 1948-2008 Growth Rate = 0.9%



Harlem River Bridges



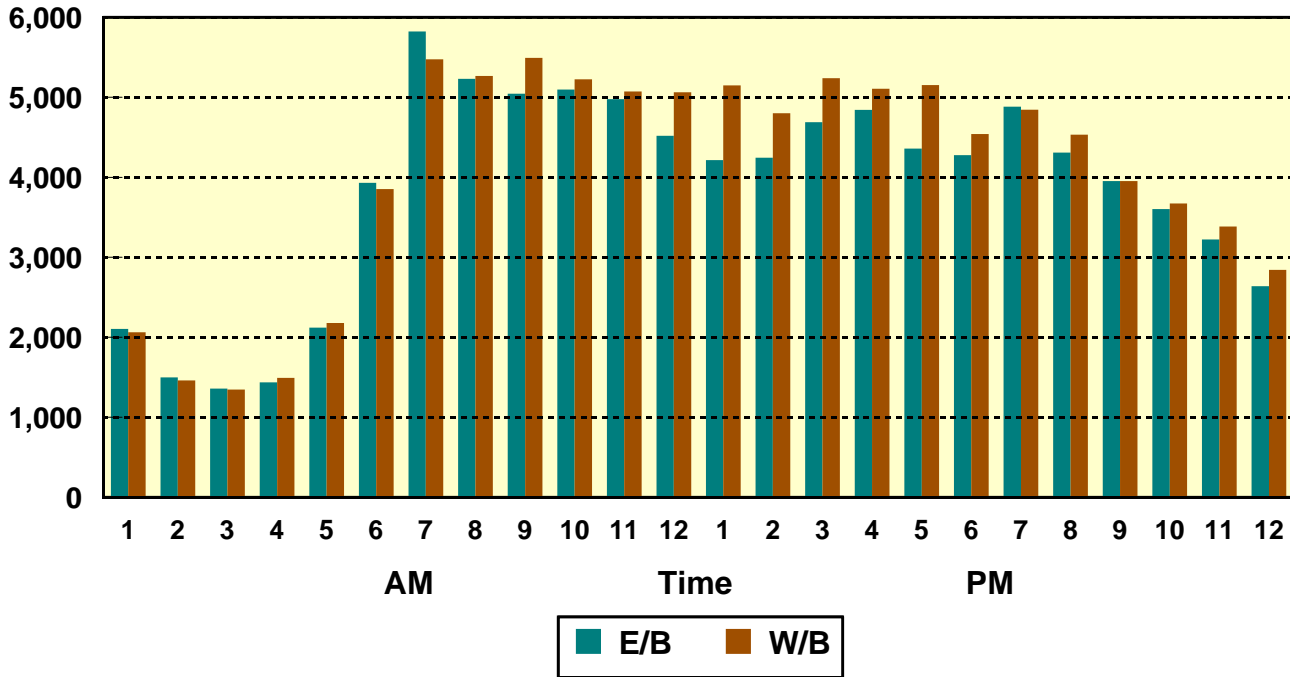
Harlem River Bridges
Average Daily Traffic Volumes
1948 - 2008

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</i>	16,374	31,072	33,576	51,478
1952	<i>Opened</i>	17,412	36,100	27,468	34,023
1953	<i>Jan. 1963</i>	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

Harlem River Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2008

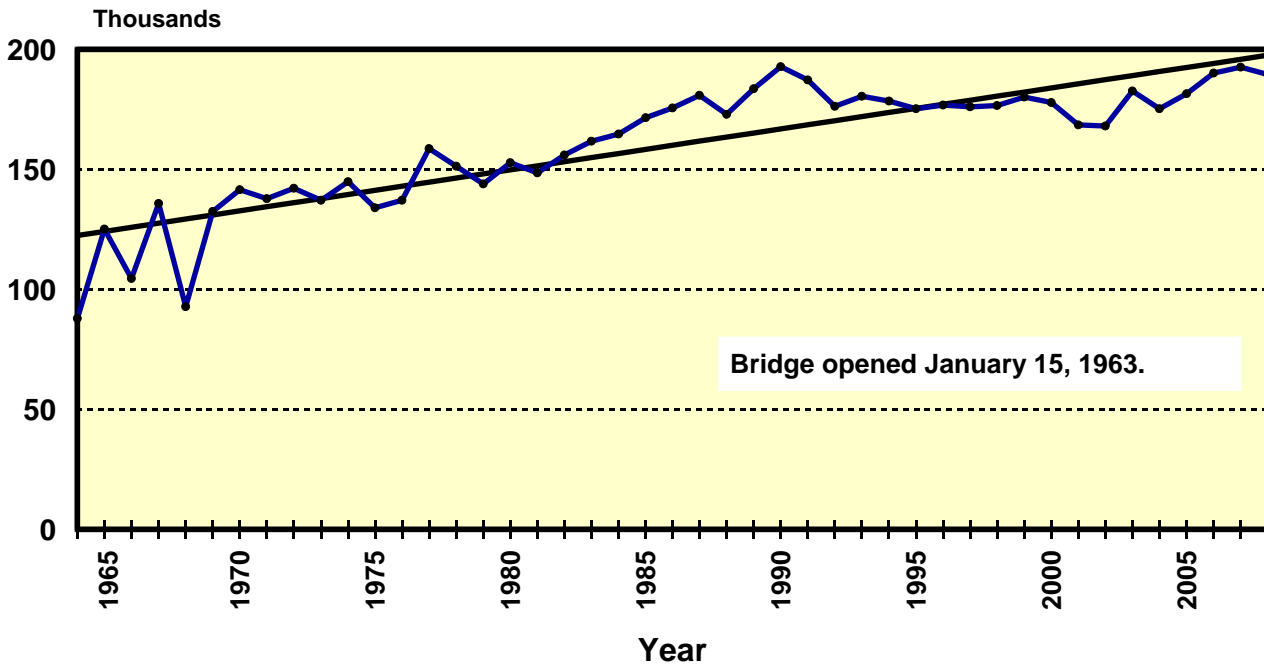
<i>Year</i>	<i>University Heights</i>	<i>Washington</i>	<i>Willis Avenue</i>	<i>145th Street</i>	<i>Totals</i>
1948	21,706	29,374	29,648	18,196	207,177
1949	14,098	32,122	42,772	25,908	193,510
1950	24,986	29,541	38,708	22,416	222,671
1951	25,270	28,599	35,958	26,872	249,199
1952	21,527	28,270	33,207	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

Hourly Vehicular Volumes Alexander Hamilton Bridge - 2008



Average Daily Traffic Volumes Alexander Hamilton Bridge

1964-2008 Growth Rate = 1.1%



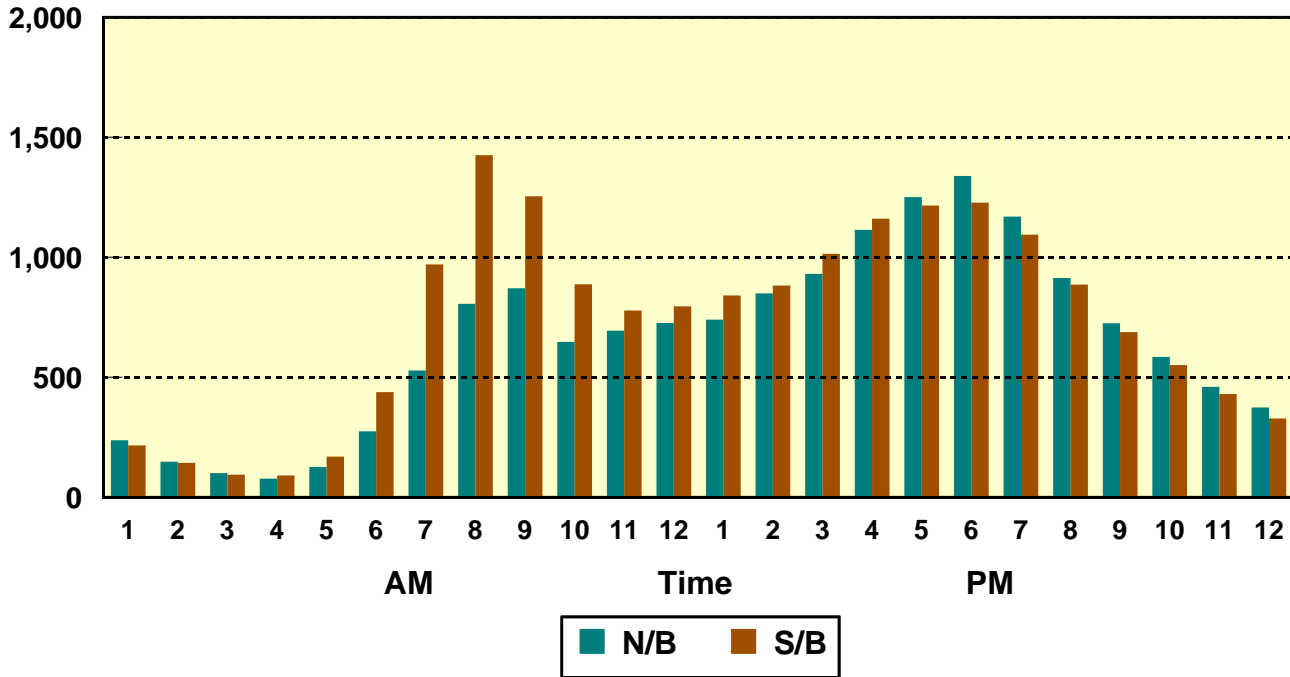
Hourly Vehicular Volumes Broadway Bridge - 2008

	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	---	---	---	---	---	237	---	---	---	---	---	216
1-2am	---	---	---	---	---	148	---	---	---	---	---	143
2-3am	---	---	---	---	---	101	---	---	---	---	---	94
3-4am	---	---	---	---	---	77	---	---	---	---	---	91
4-5am	---	---	---	---	---	126	---	---	---	---	---	169
5-6am	---	---	---	---	---	275	---	---	---	---	---	438
6-7am	---	---	---	---	---	528	---	---	---	---	---	970
7-8am	657	36	20	66	27	806	1,257	58	40	29	42	1,426 **
8-9am	741	54	19	32	25	871	1,113	38	26	39	38	1,254
9-10am	555	19	2	22	49	647	757	29	22	45	34	887
10-11am	623	15	2	32	22	694	708	19	10	33	8	778
11-12am	634	19	8	26	39	726	658	22	22	46	47	795
12-1pm	676	19	5	19	21	740	791	20	4	16	10	841
1-2pm	768	24	3	27	27	849	816	23	9	19	15	882
2-3pm	804	23	1	34	69	931	915	28	22	32	17	1,014
3-4pm	1,032	25	9	13	35	1,114	1,089	31	13	18	10	1,161
4-5pm	1,108	39	27	23	54	1,251	1,100	29	20	34	33	1,216
5-6pm	1,227	28	8	12	64	1,339 **	1,128	29	30	18	23	1,228
6-7pm	1,036	20	0	12	102	1,170	1,018	27	24	17	8	1,094
7-8pm	---	---	---	---	---	913	---	---	---	---	---	886
8-9pm	---	---	---	---	---	725	---	---	---	---	---	688
9-10pm	---	---	---	---	---	585	---	---	---	---	---	550
10-11pm	---	---	---	---	---	460	---	---	---	---	---	430
11-12pm	---	---	---	---	---	374	---	---	---	---	---	328
Totals	---	---	---	---	---	15,687	---	---	---	---	---	17,579
7-10am	1,953	109	41	120	101	2,324	3,127	125	88	113	114	3,567
10am-1pm	1,933	53	15	77	82	2,160	2,157	61	36	95	65	2,414
1-4pm	2,604	72	13	74	131	2,894	2,820	82	44	69	42	3,057
4-7pm	3,371	87	35	47	220	3,760	3,246	85	74	69	64	3,538
7am-7pm	9,861	321	104	318	534	11,138	11,350	353	242	346	285	12,576

Based on 1989 Classification Survey Data

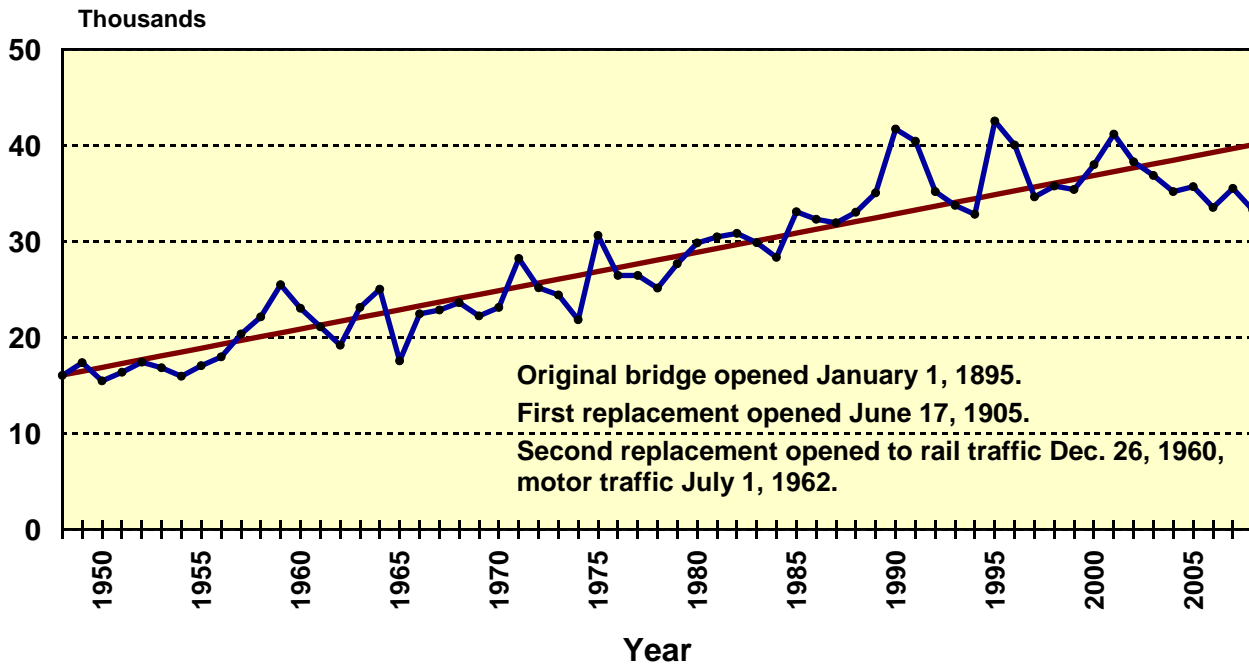
** Peak Volumes

Hourly Vehicular Volumes Broadway Bridge - 2008



Average Daily Traffic Volumes Broadway Bridge

1948-2008 Growth Rate = 1.5%



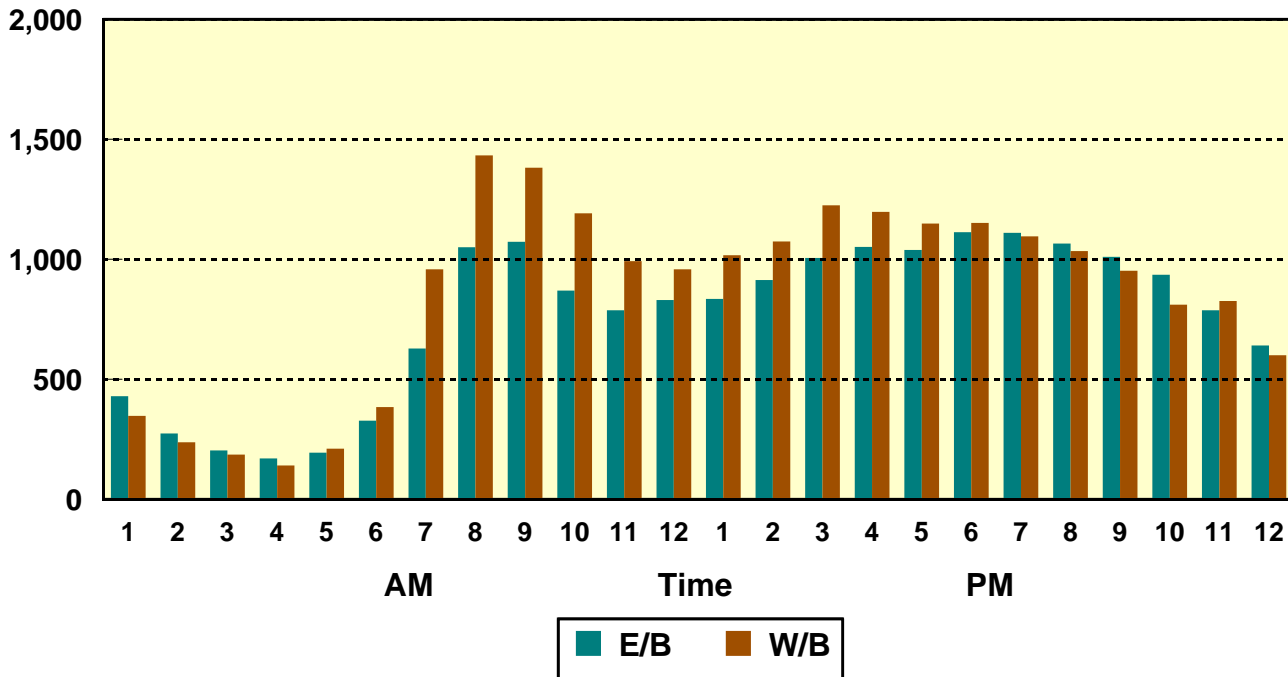
Hourly Vehicular Volumes Macombs Dam Bridge - 2008

	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	---	---	---	---	---	429	---	---	---	---	---	347
1-2am	---	---	---	---	---	274	---	---	---	---	---	237
2-3am	---	---	---	---	---	203	---	---	---	---	---	186
3-4am	---	---	---	---	---	170	---	---	---	---	---	141
4-5am	---	---	---	---	---	194	---	---	---	---	---	211
5-6am	---	---	---	---	---	327	---	---	---	---	---	384
6-7am	---	---	---	---	---	628	---	---	---	---	---	958
7-8am	862	35	22	53	78	1,050	1,106	35	5	78	209	1,433 **
8-9am	897	13	16	55	92	1,073	1,122	10	2	89	159	1,382
9-10am	744	16	12	47	50	869	891	18	12	103	168	1,192
10-11am	711	7	2	30	37	787	885	8	7	39	53	992
11-12am	686	9	11	57	67	830	791	6	13	70	78	958
12-1pm	762	9	5	25	34	835	937	17	3	19	41	1,017
1-2pm	855	2	6	26	24	913	952	19	7	21	76	1,075
2-3pm	835	13	20	66	72	1,006	1,045	23	16	51	90	1,225
3-4pm	918	19	8	49	58	1,052	1,094	34	9	20	41	1,198
4-5pm	806	7	26	69	131	1,039	1,008	9	28	36	68	1,149
5-6pm	935	8	13	33	124	1,113 **	1,056	12	9	17	58	1,152
6-7pm	1,035	3	6	24	42	1,110	982	6	11	22	75	1,096
7-8pm	---	---	---	---	---	1,066	---	---	---	---	---	1,035
8-9pm	---	---	---	---	---	1,010	---	---	---	---	---	952
9-10pm	---	---	---	---	---	935	---	---	---	---	---	810
10-11pm	---	---	---	---	---	787	---	---	---	---	---	826
11-12pm	---	---	---	---	---	641	---	---	---	---	---	600
Totals	---	---	---	---	---	18,341	---	---	---	---	---	20,556
7-10am	2,503	64	50	155	220	2,992	3,119	63	19	270	536	4,007
10am-1pm	2,159	25	18	112	138	2,452	2,613	31	23	128	172	2,967
1-4pm	2,608	34	34	141	154	2,971	3,091	76	32	92	207	3,498
4-7pm	2,776	18	45	126	297	3,262	3,046	27	48	75	201	3,397
7am-7pm	10,046	141	147	534	809	11,677	11,869	197	122	565	1,116	13,869

Based on 1989 Classification Survey Data

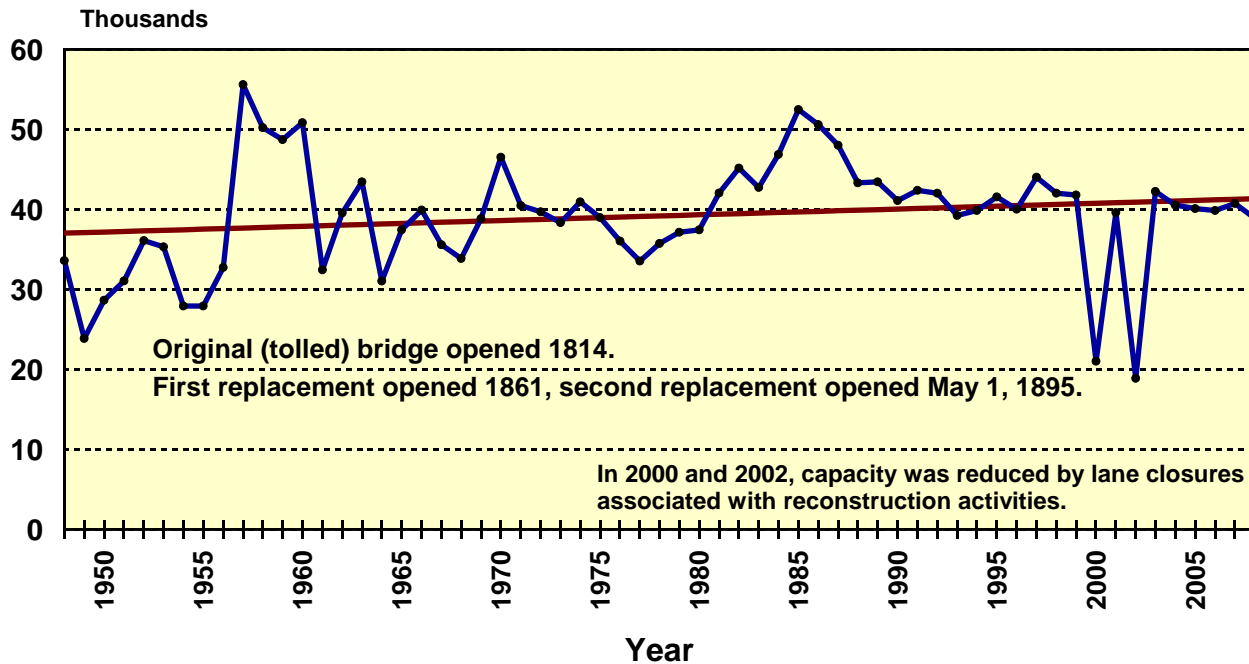
** Peak Volumes

Hourly Vehicular Volumes Macombs Dam Bridge - 2008



Average Daily Traffic Volumes Macombs Dam Bridge

1948-2008 Growth Rate = 0.2%



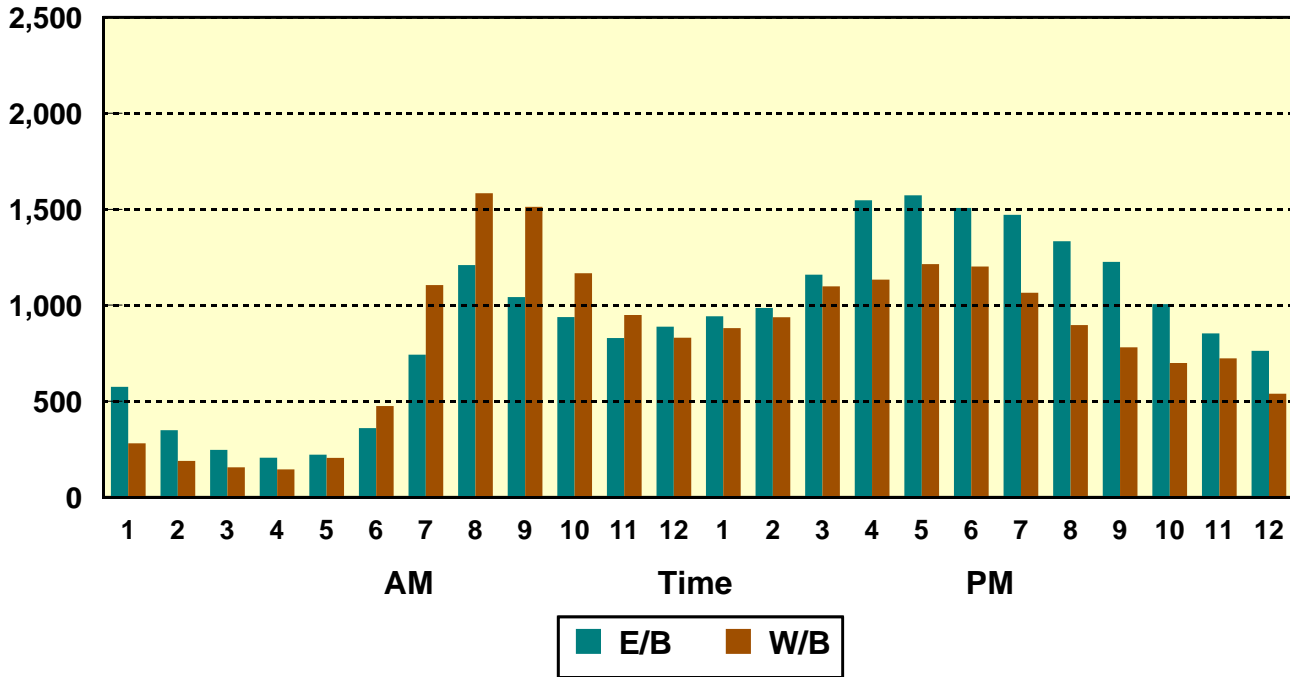
Hourly Vehicular Volumes Madison Avenue Bridge - 2008

	<i>Eastbound to Bronx</i>					<i>Westbound to Manhattan</i>					2-Way Totals	
	Autos	Buses	Commuter Vans	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Vans	Totals		
12-1am	---	---	---	---	575	---	---	---	---	281	856	
1-2am	---	---	---	---	349	---	---	---	---	189	538	
2-3am	---	---	---	---	246	---	---	---	---	156	402	
3-4am	---	---	---	---	206	---	---	---	---	145	351	
4-5am	---	---	---	---	222	---	---	---	---	205	427	
5-6am	---	---	---	---	360	---	---	---	---	475	835	
6-7am	---	---	---	---	742	---	---	---	---	1,105	1,847	
7-8am	942	47	104	55	1,209	1,298	103	14	52	1,584	2,793	**
8-9am	816	56	73	54	1,042	1,200	99	28	63	1,513	2,555	
9-10am	674	60	87	45	938	822	59	33	143	1,166	2,104	
10-11am	689	31	41	38	829	773	64	21	21	949	1,778	
11-12am	600	24	78	89	888	633	24	32	62	831	1,719	
12-1pm	804	26	32	41	942	739	33	25	30	881	1,823	
1-2pm	837	29	31	42	986	797	54	28	15	937	1,923	
2-3pm	846	32	74	103	1,159	877	74	30	33	1,098	2,257	
3-4pm	1,334	27	42	75	1,547	975	68	20	26	1,133	2,680	
4-5pm	1,172	29	132	109	1,573	1,050	65	28	25	1,214	2,787	
5-6pm	1,205	33	104	80	1,507	1,056	47	33	26	1,202	2,709	
6-7pm	1,211	70	48	81	1,471	965	38	22	19	1,065	2,536	
7-8pm	---	---	---	---	1,334	---	---	---	---	897	2,231	
8-9pm	---	---	---	---	1,226	---	---	---	---	781	2,007	
9-10pm	---	---	---	---	1,006	---	---	---	---	699	1,705	
10-11pm	---	---	---	---	853	---	---	---	---	723	1,576	
11-12pm	---	---	---	---	762	---	---	---	---	539	1,301	
Totals	---	---	---	---	21,972	---	---	---	---	19,768	41,740	
7-10am	2,432	163	264	176	3,189	3,320	261	75	258	4,263	7,452	
10am-1pm	2,093	81	151	166	2,659	2,145	121	78	113	2,661	5,320	
1-4pm	3,017	88	147	220	3,692	2,649	196	78	74	3,168	6,860	
4-7pm	3,588	132	284	255	4,551	3,071	150	83	70	3,481	8,032	
7am-7pm	11,130	464	846	817	14,091	11,185	728	314	515	13,573	27,664	

Based on 1989 Classification Survey Data

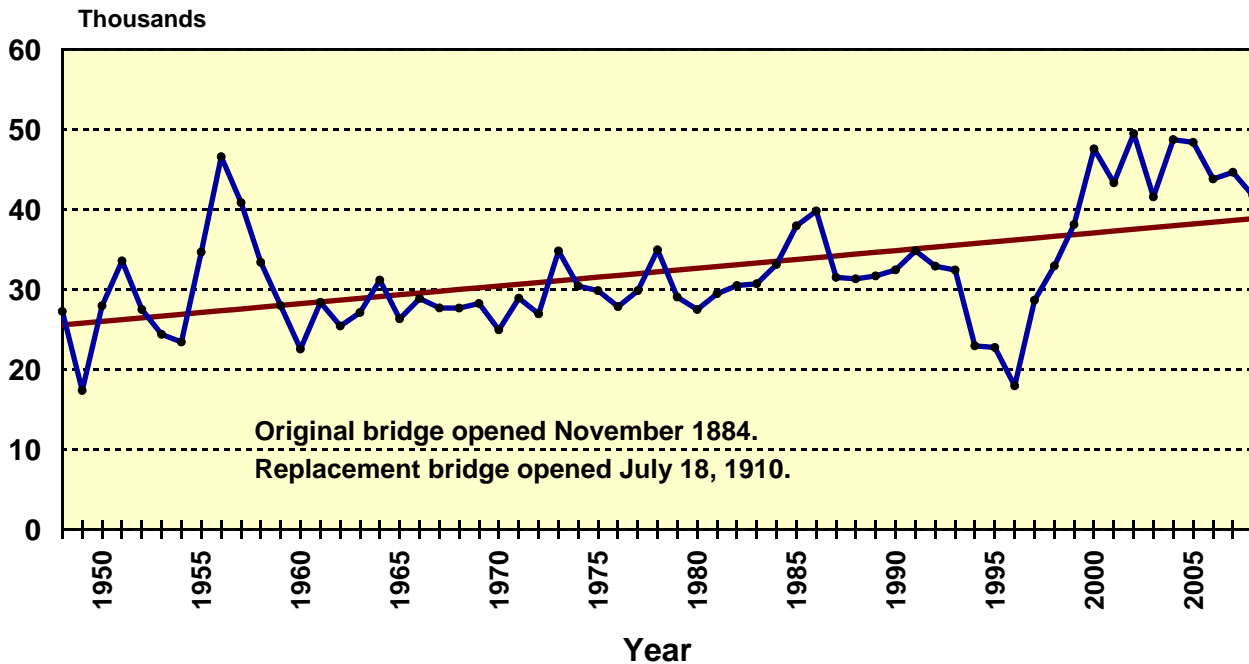
** Peak Volumes

Hourly Vehicular Volumes Madison Avenue Bridge - 2008



Average Daily Traffic Volumes Madison Avenue Bridge

1948-2008 Growth Rate = 0.7%



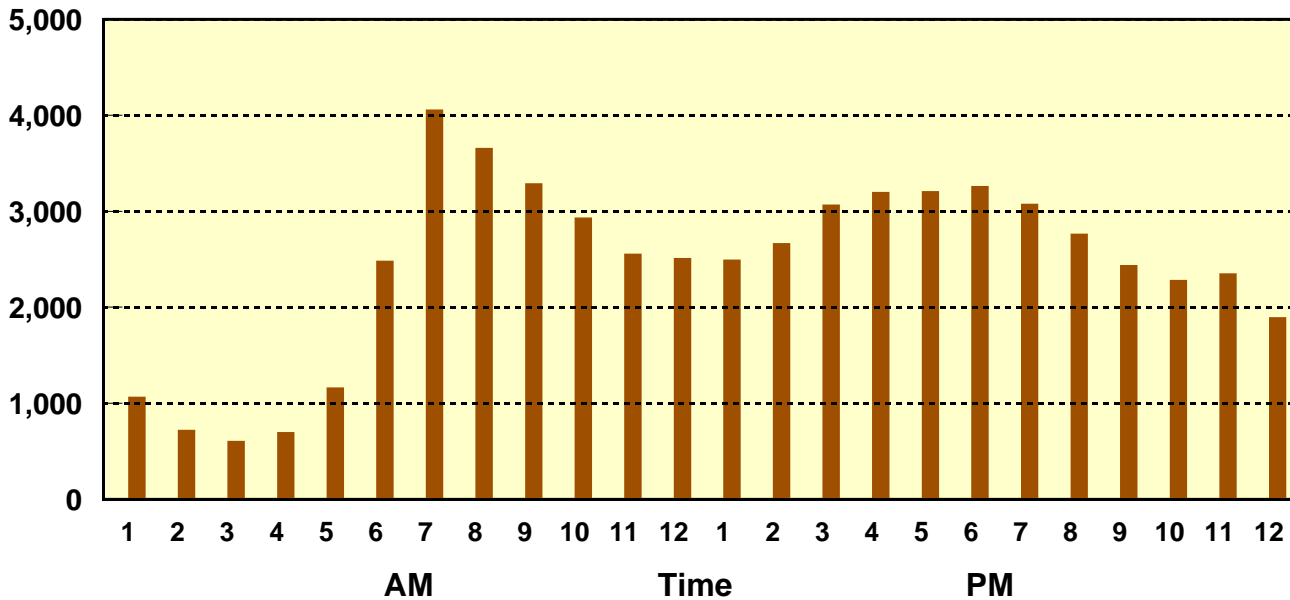
Hourly Vehicular Volumes Third Avenue Bridge - 2008

	<i>Northbound to Bronx</i>				<i>Southbound to Manhattan</i>				2-Way Totals	
	Autos	Buses	Commuter Vans	Commercial Trucks	Totals	Autos	Buses	Commuter Vans		Commercial Trucks
12-1am	---	---	---	---	---	---	---	---	---	1,067
1-2am	---	---	---	---	---	---	---	---	---	723
2-3am	---	---	---	---	---	---	---	---	---	608
3-4am	---	---	---	---	---	---	---	---	---	700
4-5am	---	---	---	---	---	---	---	---	---	1,164
5-6am	---	---	---	---	---	---	---	---	---	2,486
6-7am	---	---	---	---	---	---	---	---	---	4,060 **
7-8am	2,352	49	364	491	405	405	405	405	405	3,661
8-9am	2,157	31	214	436	455	455	455	455	455	3,293
9-10am	1,961	32	259	382	302	302	302	302	302	2,936
10-11am	2,140	26	142	137	114	114	114	114	114	2,559
11-12am	1,676	46	272	321	199	199	199	199	199	2,514
12-1pm	2,109	63	109	122	94	94	94	94	94	2,497
1-2pm	1,993	91	174	152	260	260	260	260	260	2,670
2-3pm	2,131	106	266	262	307	307	307	307	307	3,072
3-4pm	2,867	85	99	80	71	71	71	71	71	3,202
4-5pm	2,702	62	146	139	161	161	161	161	161	3,210
5-6pm	2,899	57	120	102	86	86	86	86	86	3,264
6-7pm	2,755	56	112	75	82	82	82	82	82	3,080
7-8pm	---	---	---	---	---	---	---	---	---	2,768
8-9pm	---	---	---	---	---	---	---	---	---	2,439
9-10pm	---	---	---	---	---	---	---	---	---	2,286
10-11pm	---	---	---	---	---	---	---	---	---	2,354
11-12pm	---	---	---	---	---	---	---	---	---	1,897
Totals	---	---	---	---	---	---	---	---	---	58,510
7-10am	6,470	112	837	1,309	1,162	1,162	1,162	1,162	1,162	9,890
10am-1pm	5,925	135	523	580	407	407	407	407	407	7,570
1-4pm	6,991	282	539	494	638	638	638	638	638	8,944
4-7pm	8,356	175	378	316	329	329	329	329	329	9,554
7am-7pm	27,742	704	2,277	2,699	2,536	2,536	2,536	2,536	2,536	35,958

Based on 1989 Classification Survey Data

** Peak Volumes

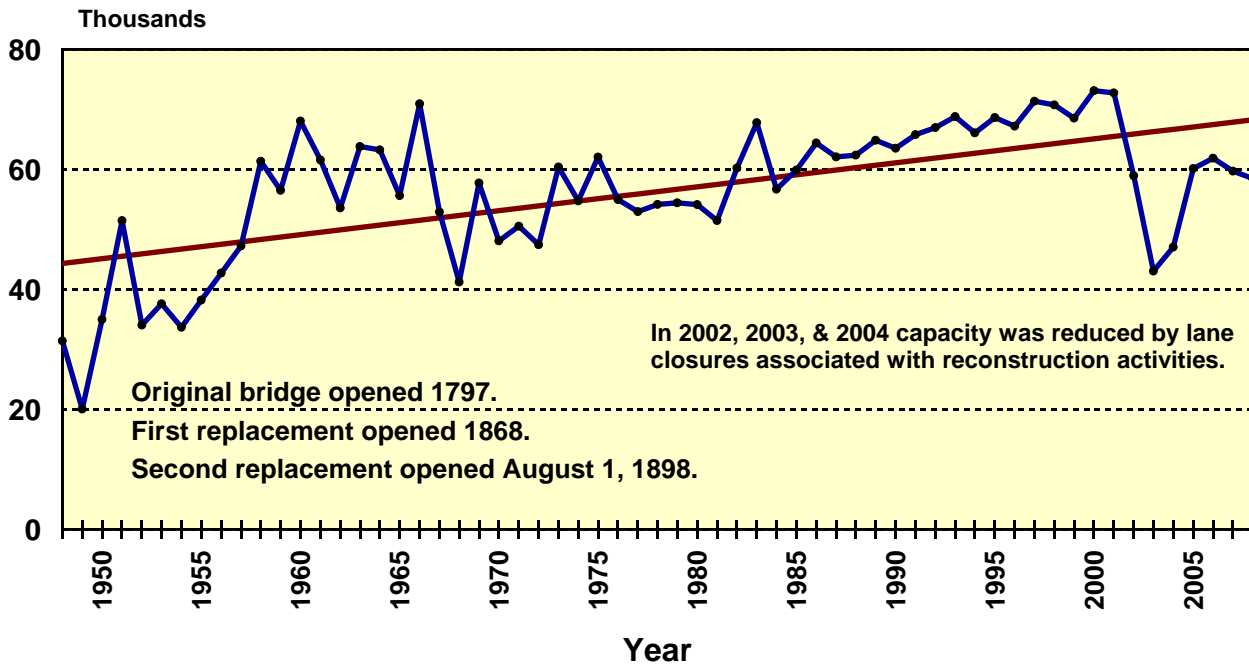
Hourly Vehicular Volumes Third Avenue Bridge (Harlem River) - 2008



Bridge is 1-way southbound to Manhattan

Average Daily Traffic Volumes Third Avenue Bridge (Harlem River)

1948-2008 Growth Rate = 0.7%



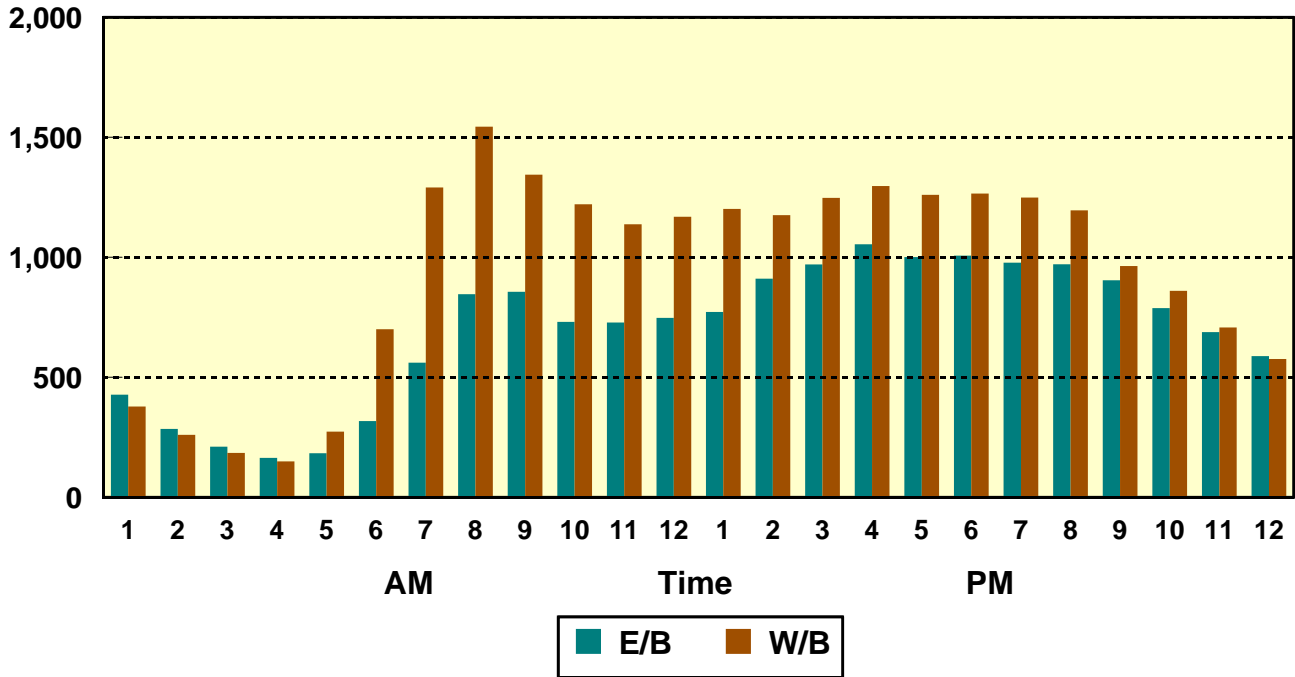
Hourly Vehicular Volumes University Heights Bridge - 2008

	<i>Eastbound to Bronx</i>						<i>Westbound to Manhattan</i>						2-Way Totals
	Autos		Commuter		Commercial		Autos		Commuter		Commercial		
	Buses	Vans	Trucks	Vans	Trucks	Totals	Buses	Vans	Trucks	Vans	Trucks	Totals	
12-1am	---	---	---	---	---	427	---	---	---	---	---	---	378
1-2am	---	---	---	---	---	285	---	---	---	---	---	---	260
2-3am	---	---	---	---	---	211	---	---	---	---	---	---	185
3-4am	---	---	---	---	---	164	---	---	---	---	---	---	149
4-5am	---	---	---	---	---	183	---	---	---	---	---	---	273
5-6am	---	---	---	---	---	317	---	---	---	---	---	---	700
6-7am	---	---	---	---	---	561	---	---	---	---	---	---	1,291
7-8am	640	45	81	39	41	846	1,341	22	34	38	110	1,545	**
8-9am	664	8	70	50	64	856	1,165	12	25	47	95	1,344	
9-10am	545	7	54	62	63	731	1,032	14	17	53	105	1,221	
10-11am	636	3	33	31	25	728	1,039	4	4	29	62	1,138	
11-12am	575	7	60	70	35	747	996	7	14	63	89	1,169	
12-1pm	695	12	21	24	20	772	1,112	2	5	30	53	1,202	
1-2pm	781	39	38	30	23	911	1,110	4	5	20	37	1,176	
2-3pm	793	13	68	49	47	970	1,068	10	21	48	101	1,248	
3-4pm	961	16	22	28	27	1,054	1,173	41	6	25	52	1,297	
4-5pm	872	4	54	40	31	1,001	1,121	17	16	23	83	1,260	
5-6pm	883	0	56	27	41	1,007	1,186	1	14	13	52	1,266	
6-7pm	853	0	53	18	53	977	1,168	7	10	9	55	1,249	
7-8pm	---	---	---	---	---	971	---	---	---	---	---	---	1,196
8-9pm	---	---	---	---	---	904	---	---	---	---	---	---	963
9-10pm	---	---	---	---	---	788	---	---	---	---	---	---	860
10-11pm	---	---	---	---	---	688	---	---	---	---	---	---	707
11-12pm	---	---	---	---	---	588	---	---	---	---	---	---	576
Totals	---	---	---	---	---	16,687	---	---	---	---	---	---	22,653
7-10am	1,849	60	205	151	168	2,433	3,538	48	76	138	310	4,110	6,543
10am-1pm	1,906	22	114	125	80	2,247	3,147	13	23	122	204	3,509	5,756
1-4pm	2,535	68	128	107	97	2,935	3,351	55	32	93	190	3,721	6,656
4-7pm	2,608	4	163	85	125	2,985	3,475	25	40	45	190	3,775	6,760
7am-7pm	8,898	154	610	468	470	10,600	13,511	141	171	398	894	15,115	25,715

Based on 1989 Classification Survey Data

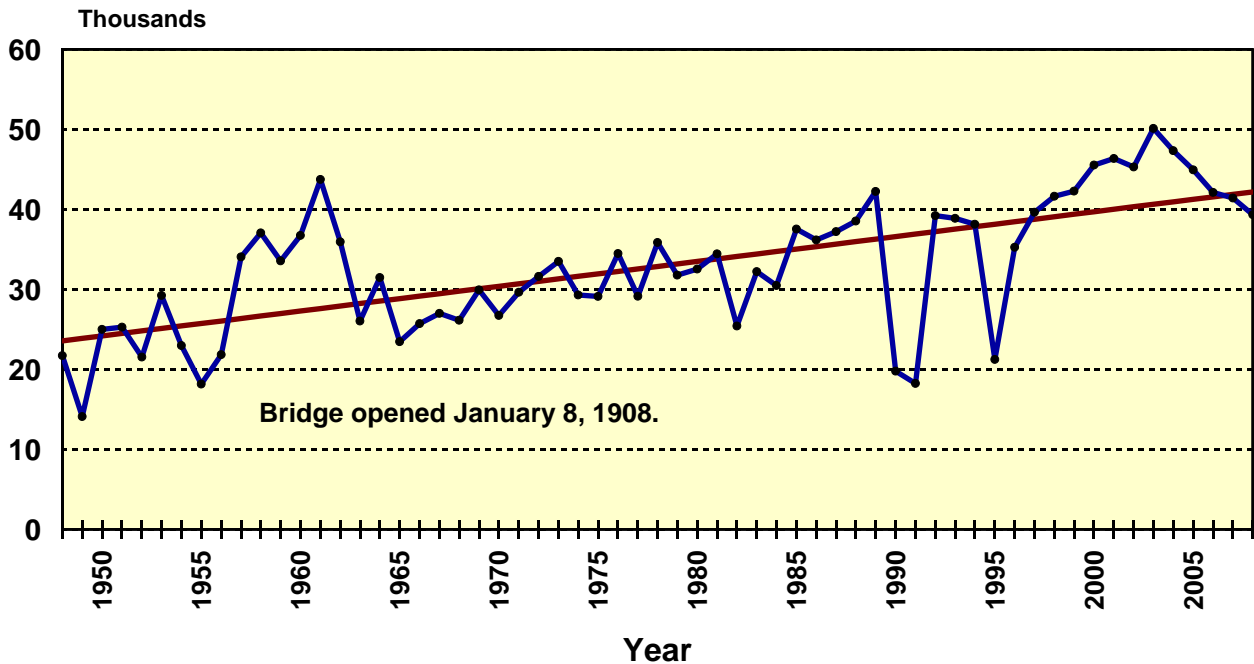
** Peak Volumes

Hourly Vehicular Volumes University Heights Bridge - 2008



Average Daily Traffic Volumes University Heights Bridge

1948-2008 Growth Rate = 1.0%



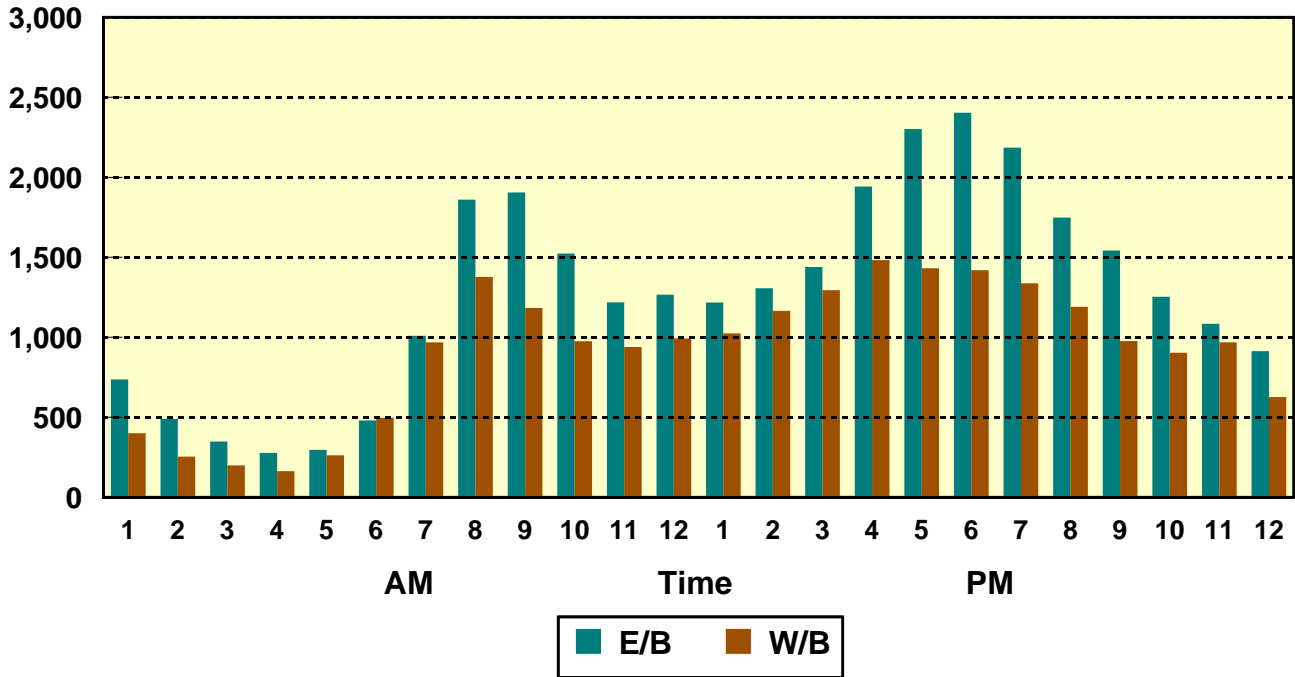
Hourly Vehicular Volumes Washington Bridge - 2008

	Eastbound to Bronx						Westbound to Manhattan						2-Way Totals
	Autos	Buses	Commuter		Commercial Vans	Totals	Autos	Buses	Commuter		Commercial Vans	Totals	
			Vans	Trucks					Vans	Trucks			
12-1am	---	---	---	---	---	736	---	---	---	---	---	400	1,136
1-2am	---	---	---	---	---	489	---	---	---	---	---	254	743
2-3am	---	---	---	---	---	348	---	---	---	---	---	199	547
3-4am	---	---	---	---	---	277	---	---	---	---	---	163	440
4-5am	---	---	---	---	---	296	---	---	---	---	---	262	558
5-6am	---	---	---	---	---	480	---	---	---	---	---	496	976
6-7am	---	---	---	---	1,009	---	---	---	---	---	---	968	1,977
7-8am	1,593	61	34	55	117	1,860	1,163	54	103	34	23	1,377	3,237
8-9am	1,595	49	29	86	146	1,905	997	55	61	46	24	1,183	3,088
9-10am	1,261	41	27	100	95	1,524	847	29	43	33	23	975	2,499
10-11am	1,106	33	7	31	41	1,218	858	30	9	23	19	939	2,157
11-12am	1,095	26	16	60	69	1,266	865	41	26	27	33	992	2,258
12-1pm	1,090	36	16	22	53	1,217	958	25	9	18	14	1,024	2,241
1-2pm	1,196	29	5	30	46	1,306	1,090	28	16	18	13	1,165	2,471
2-3pm	1,252	31	23	61	72	1,439	1,119	52	39	47	37	1,294	2,733
3-4pm	1,767	41	12	34	89	1,943	1,336	42	42	42	20	1,482	3,425
4-5pm	1,914	46	58	70	213	2,301	1,217	35	62	75	42	1,431	3,732
5-6pm	2,149	40	60	42	113	2,404	1,288	26	39	29	37	1,419	3,823
6-7pm	2,007	26	36	27	89	2,185	1,211	33	49	17	27	1,337	3,522
7-8pm	---	---	---	---	---	1,749	---	---	---	---	---	1,190	2,939
8-9pm	---	---	---	---	---	1,543	---	---	---	---	---	976	2,519
9-10pm	---	---	---	---	---	1,253	---	---	---	---	---	903	2,156
10-11pm	---	---	---	---	---	1,084	---	---	---	---	---	968	2,052
11-12pm	---	---	---	---	---	913	---	---	---	---	---	626	1,539
Totals	---	---	---	---	---	30,745	---	---	---	---	---	22,023	52,768
7-10am	4,449	151	90	241	358	5,289	3,007	138	207	113	70	3,535	8,824
10am-1pm	3,291	95	39	113	163	3,701	2,681	96	44	68	66	2,955	6,656
1-4pm	4,215	101	40	125	207	4,688	3,545	122	97	107	70	3,941	8,629
4-7pm	6,070	112	154	139	415	6,890	3,716	94	150	121	106	4,187	11,077
7am-7pm	18,025	459	323	618	1,143	20,568	12,949	450	498	409	312	14,618	35,186

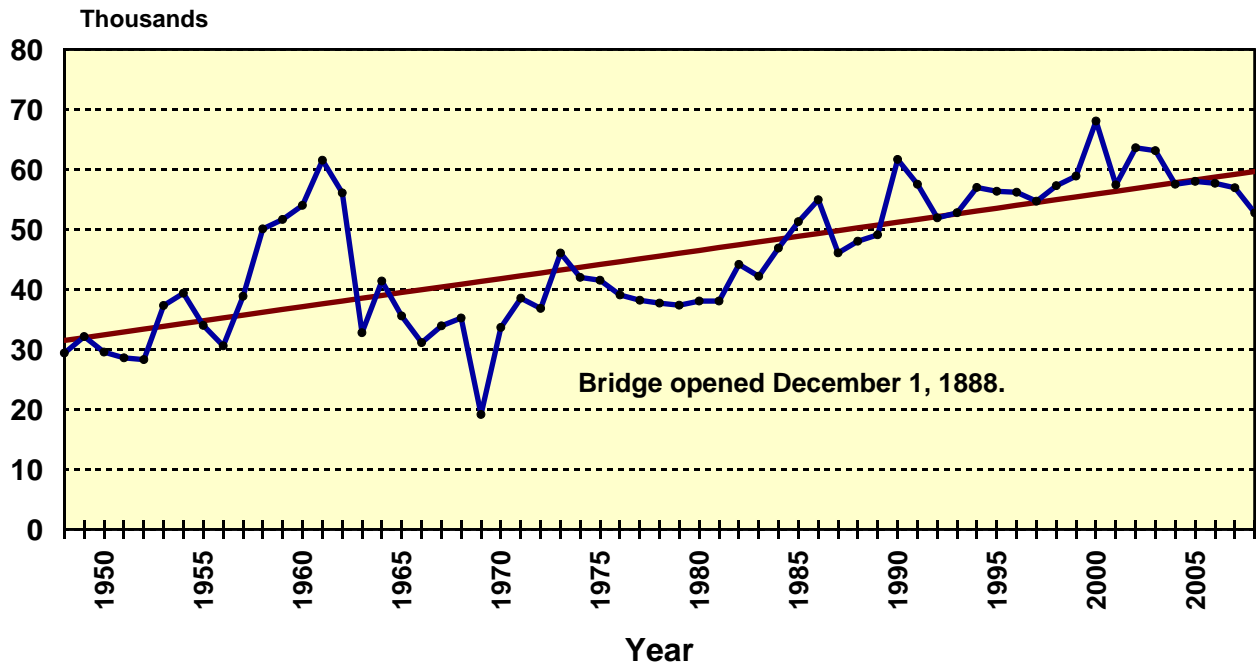
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Washington Bridge - 2008



Average Daily Traffic Volumes Washington Bridge 1948-2008 Growth Rate = 1.1%

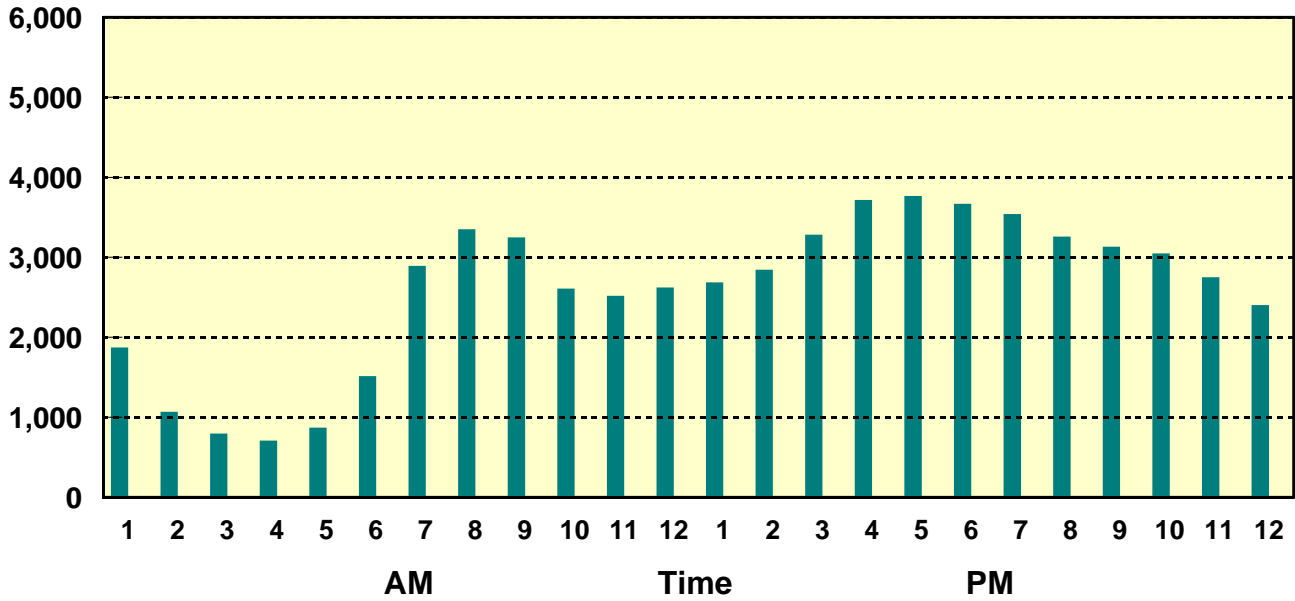


Hourly Vehicular Volumes Willis Avenue Bridge - 2008

	Northbound to Bronx				Southbound to Manhattan				2-Way Totals	
	Autos	Buses	Commuter Vans	Commercial Vans	Totals	Autos	Buses	Commuter Vans		Commercial Vans
12-1am	---	---	---	---	1,872	---	---	---	---	1,872
1-2am	---	---	---	---	1,067	---	---	---	---	1,067
2-3am	---	---	---	---	796	---	---	---	---	796
3-4am	---	---	---	---	708	---	---	---	---	708
4-5am	---	---	---	---	870	---	---	---	---	870
5-6am	---	---	---	---	1,515	---	---	---	---	1,515
6-7am	---	---	---	---	2,891	---	---	---	---	2,891
7-8am	2,852	85	133	115	3,350	---	---	---	---	3,350
8-9am	2,622	111	97	230	3,249	---	---	---	---	3,249
9-10am	1,949	114	96	216	2,608	---	---	---	---	2,608
10-11am	2,096	49	67	148	2,517	---	---	---	---	2,517
11-12am	1,939	34	114	257	2,622	---	---	---	---	2,622
12-1pm	2,352	40	50	99	2,686	---	---	---	---	2,686
1-2pm	2,540	23	39	107	2,844	---	---	---	---	2,844
2-3pm	2,431	30	119	354	3,284	---	---	---	---	3,284
3-4pm	3,290	60	56	154	3,718	---	---	---	---	3,718
4-5pm	2,966	34	114	399	3,767	---	---	---	---	3,767
5-6pm	2,983	53	100	367	3,669	---	---	---	---	3,669
6-7pm	3,099	30	94	209	3,541	---	---	---	---	3,541
7-8pm	---	---	---	---	3,259	---	---	---	---	3,259
8-9pm	---	---	---	---	3,135	---	---	---	---	3,135
9-10pm	---	---	---	---	3,049	---	---	---	---	3,049
10-11pm	---	---	---	---	2,749	---	---	---	---	2,749
11-12pm	---	---	---	---	2,401	---	---	---	---	2,401
Totals	---	---	---	---	62,167	---	---	---	---	62,167
7-10am	7,423	310	326	587	9,207	---	---	---	---	9,207
10am-1pm	6,387	123	231	580	7,825	---	---	---	---	7,825
1-4pm	8,261	113	214	615	9,846	---	---	---	---	9,846
4-7pm	9,048	117	308	529	10,977	---	---	---	---	10,977
7am-7pm	31,119	663	1,079	2,311	37,855	---	---	---	---	37,855

Bridge is 1-way northbound to The Bronx

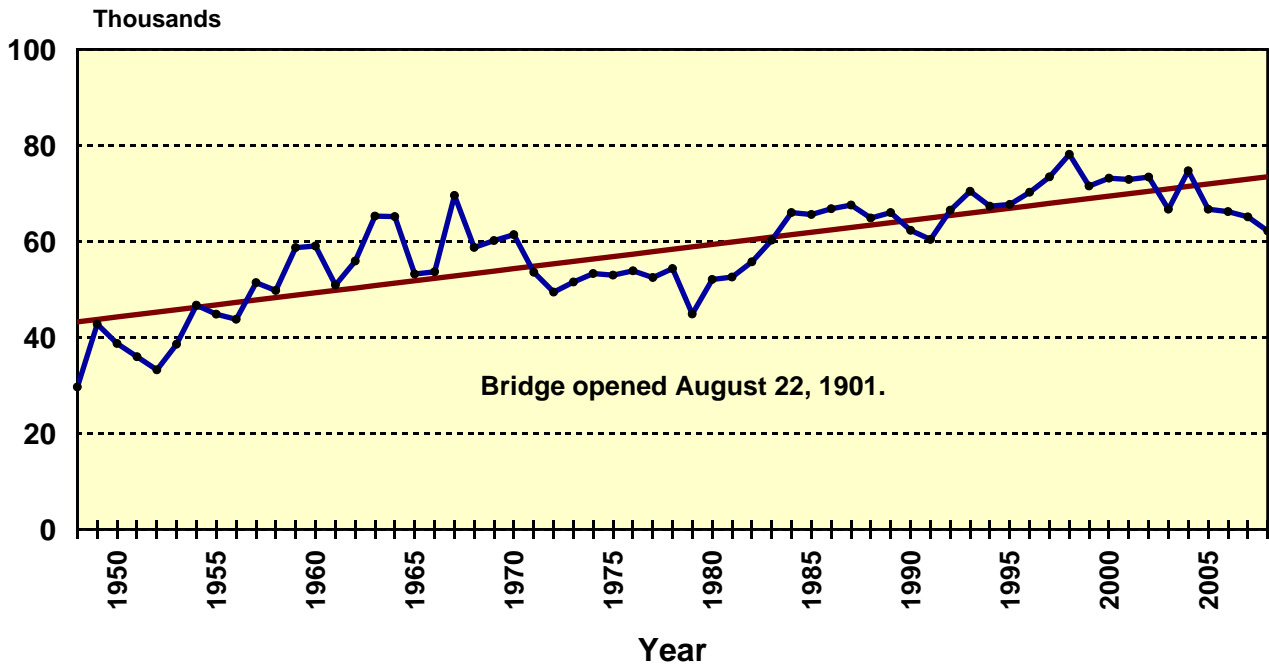
Hourly Vehicular Volumes Willis Avenue Bridge - 2008



Bridge is 1-way northbound to The Bronx

Average Daily Traffic Volumes Willis Avenue Bridge

1948-2008 Growth Rate = 0.9%



Bridge opened August 22, 1901.

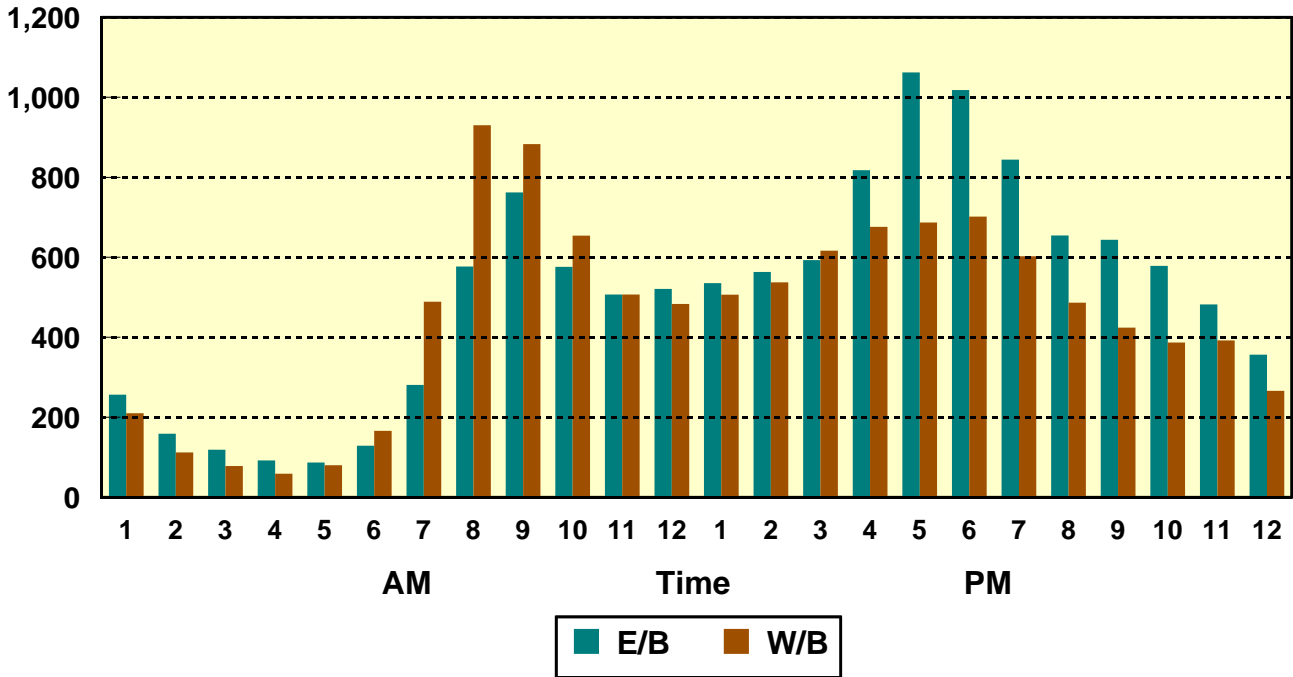
Hourly Vehicular Volumes 145th Street Bridge - 2008

	Eastbound to Bronx						Westbound to Manhattan						2-Way Totals
	Autos		Commuter		Commercial		Autos		Commuter		Commercial		
	Buses	Vans	Trucks	Vans	Trucks	Totals	Buses	Vans	Trucks	Vans	Trucks	Totals	
12-1am	---	---	---	---	---	256	---	---	---	---	---	210	466
1-2am	---	---	---	---	---	159	---	---	---	---	---	112	271
2-3am	---	---	---	---	---	119	---	---	---	---	---	78	197
3-4am	---	---	---	---	---	92	---	---	---	---	---	59	151
4-5am	---	---	---	---	---	87	---	---	---	---	---	80	167
5-6am	---	---	---	---	---	129	---	---	---	---	---	166	295
6-7am	---	---	---	---	---	281	---	---	---	---	---	489	770
7-8am	484	23	31	8	31	577	810	37	16	35	32	930	1,507
8-9am	635	23	39	24	41	762	757	26	29	25	46	883	1,645
9-10am	464	11	32	20	49	576	524	18	31	25	56	654	1,230
10-11am	445	7	12	22	21	507	404	14	28	21	40	507	1,014
11-12am	396	13	24	34	54	521	358	9	36	37	43	483	1,004
12-1pm	464	10	14	14	33	535	470	9	9	7	11	506	1,041
1-2pm	487	10	27	14	25	563	485	24	9	12	7	537	1,100
2-3pm	447	13	24	33	76	593	516	20	24	23	34	617	1,210
3-4pm	719	19	20	25	35	818	630	24	7	6	9	676	1,494
4-5pm	847	13	55	53	94	1,062	636	14	12	7	18	687	1,749
5-6pm	831	9	47	62	69	1,018	659	14	11	8	10	702	1,720
6-7pm	734	23	26	41	20	844	569	18	5	3	8	603	1,447
7-8pm	---	---	---	---	---	655	---	---	---	---	---	486	1,141
8-9pm	---	---	---	---	---	644	---	---	---	---	---	424	1,068
9-10pm	---	---	---	---	---	578	---	---	---	---	---	387	965
10-11pm	---	---	---	---	---	482	---	---	---	---	---	392	874
11-12pm	---	---	---	---	---	356	---	---	---	---	---	266	622
Totals	---	---	---	---	---	12,214	---	---	---	---	---	10,934	23,148
7-10am	1,583	57	102	52	121	1,915	2,091	81	76	85	134	2,467	4,382
10am-1pm	1,305	30	50	70	108	1,563	1,232	32	73	65	94	1,496	3,059
1-4pm	1,653	42	71	72	136	1,974	1,631	68	40	41	50	1,830	3,804
4-7pm	2,412	45	128	156	183	2,924	1,864	46	28	18	36	1,992	4,916
7am-7pm	6,953	174	351	350	548	8,376	6,818	227	217	209	314	7,785	16,161

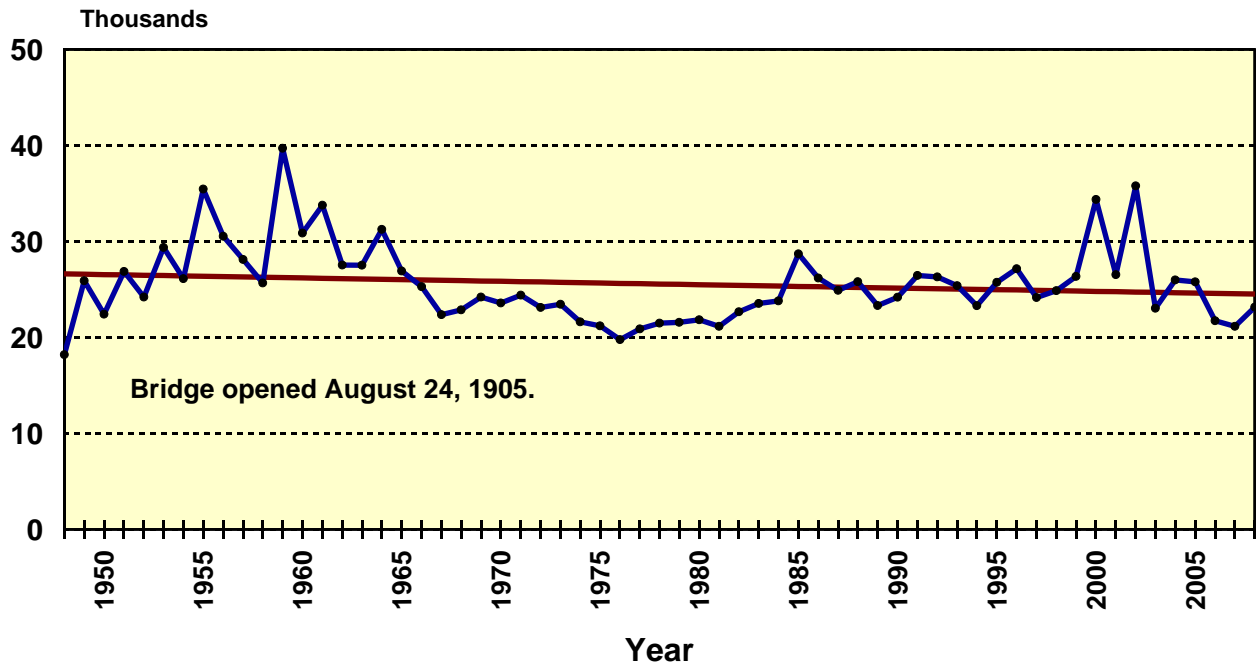
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes 145th Street Bridge - 2008



Average Daily Traffic Volumes 145th Street Bridge 1948-2008 Growth Rate = - 0.1%



Brooklyn-Queens Bridges



Brooklyn - Queens Bridges ~ Average Daily Traffic Volumes

1948 - 2008

Year	Grand Street	Greenpoint Avenue *	Kosciuszk	Pulaski	Totals
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	<i>Closed</i>	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

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

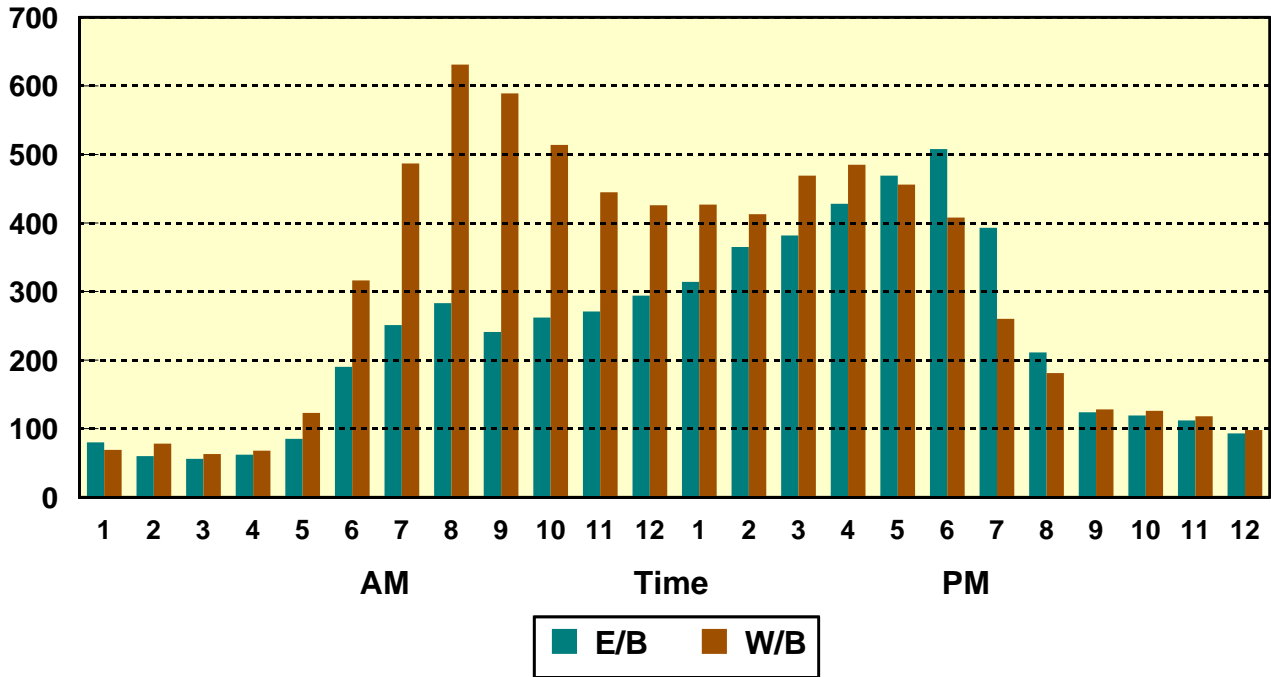
Hourly Vehicular Volumes Grand Street Bridge - 2008

	Eastbound to Queens					Westbound to Brooklyn					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	80	---	---	---	---	---	69
1-2am	---	---	---	---	---	60	---	---	---	---	---	78
2-3am	---	---	---	---	---	56	---	---	---	---	---	63
3-4am	---	---	---	---	---	62	---	---	---	---	---	68
4-5am	---	---	---	---	---	85	---	---	---	---	---	123
5-6am	---	---	---	---	---	190	---	---	---	---	---	316
6-7am	---	---	---	---	---	251	---	---	---	---	---	487
7-8am	224	8	7	33	11	283	429	16	31	126	29	631
8-9am	157	4	6	60	14	241	329	6	31	171	52	589
9-10am	175	12	2	55	18	262	277	8	27	158	44	514
10-11am	197	3	3	45	23	271	340	11	12	64	18	445
11-12am	160	5	10	90	29	294	265	5	26	102	28	426
12-1pm	262	8	3	32	9	314	346	10	14	45	12	427
1-2pm	287	5	9	49	15	365	300	13	23	62	15	413
2-3pm	238	9	10	93	32	382	247	5	33	146	38	469
3-4pm	368	7	4	41	8	428	378	16	11	67	13	485
4-5pm	377	12	13	49	18	469	335	9	23	70	19	456
5-6pm	409	7	11	58	23	508	313	4	19	57	15	408
6-7pm	310	6	8	53	16	393	217	5	12	23	3	260
7-8pm	---	---	---	---	---	211	---	---	---	---	---	181
8-9pm	---	---	---	---	---	124	---	---	---	---	---	128
9-10pm	---	---	---	---	---	119	---	---	---	---	---	126
10-11pm	---	---	---	---	---	112	---	---	---	---	---	118
11-12pm	---	---	---	---	---	93	---	---	---	---	---	98
Totals	---	---	---	---	---	5,653	---	---	---	---	---	7,378
7-10am	556	24	15	148	43	786	1,035	30	89	455	125	1,734
10am-1pm	619	16	16	167	61	879	951	26	52	211	58	1,298
1-4pm	893	21	23	183	55	1,175	925	34	67	275	66	1,367
4-7pm	1,096	25	32	160	57	1,370	865	18	54	150	37	1,124
7am-7pm	3,164	86	86	658	216	4,210	3,776	108	262	1,091	286	5,523

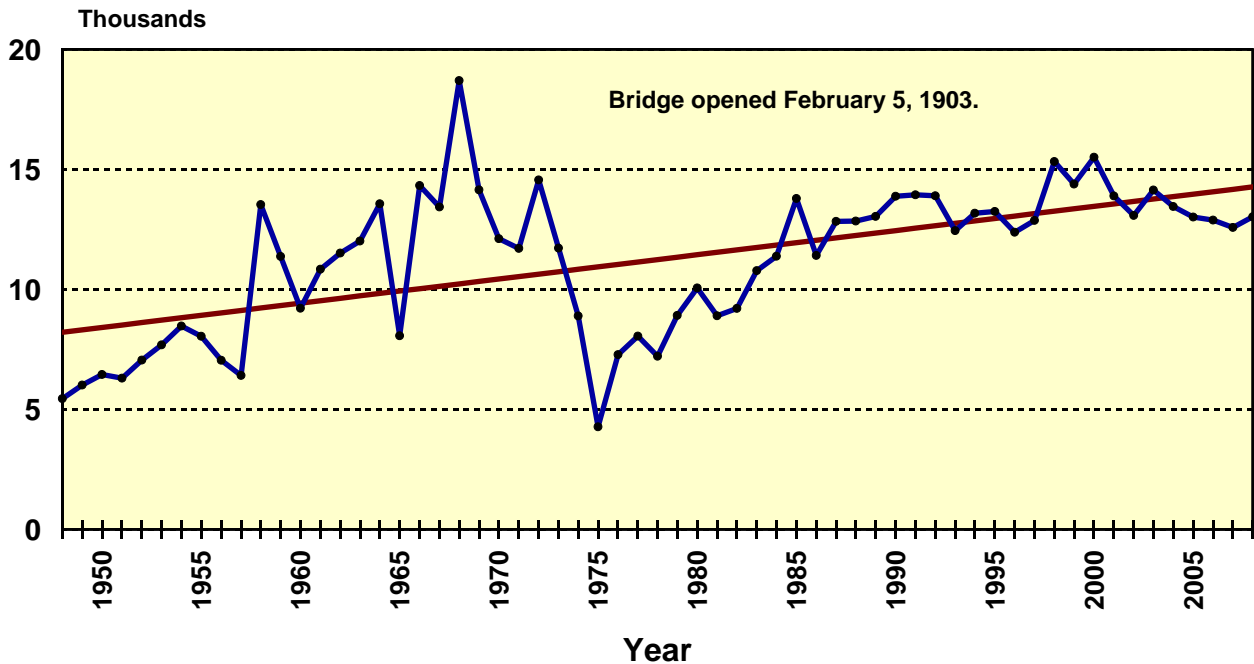
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Grand Street Bridge - 2008



Average Daily Traffic Volumes Grand Street Bridge 1948-2008 Growth Rate = 0.9%



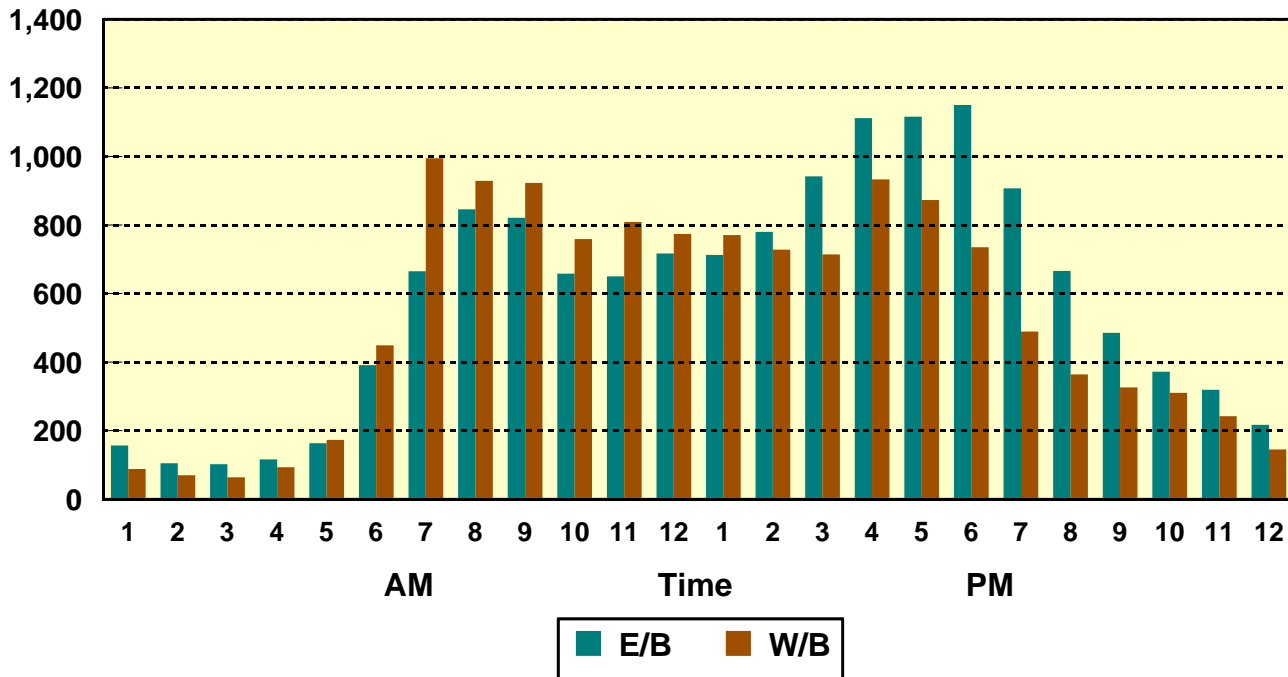
**Hourly Vehicular Volumes
Greenpoint Avenue Bridge - 2008
(J.J. Byrne Memorial Bridge)**

	Eastbound to Queens					Westbound to Brooklyn					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	157	---	---	---	---	---	88
1-2am	---	---	---	---	---	105	---	---	---	---	---	70
2-3am	---	---	---	---	---	102	---	---	---	---	---	64
3-4am	---	---	---	---	---	116	---	---	---	---	---	93
4-5am	---	---	---	---	---	163	---	---	---	---	---	173
5-6am	---	---	---	---	---	391	---	---	---	---	---	449
6-7am	---	---	---	---	---	665	---	---	---	---	---	995
7-8am	631	13	21	136	45	846	613	9	47	186	74	929
8-9am	534	15	24	202	46	821	624	11	31	178	79	923
9-10am	371	6	25	192	64	658	377	12	46	227	97	759
10-11am	529	3	7	77	34	650	560	5	28	161	55	809
11-12am	433	11	18	180	75	717	352	6	21	255	140	774
12-1pm	587	3	12	83	28	713	537	6	30	131	67	771
1-2pm	641	11	16	90	22	780	504	16	39	125	44	728
2-3pm	621	7	27	194	93	942	165	10	88	327	124	714
3-4pm	962	9	11	92	38	1,112	760	7	26	108	32	933
4-5pm	839	13	37	140	87	1,116	686	8	31	102	46	873
5-6pm	891	9	35	137	78	1,150	571	8	43	63	50	735
6-7pm	717	15	20	91	64	907	385	11	16	47	30	489
7-8pm	---	---	---	---	---	666	---	---	---	---	---	364
8-9pm	---	---	---	---	---	485	---	---	---	---	---	326
9-10pm	---	---	---	---	---	372	---	---	---	---	---	310
10-11pm	---	---	---	---	---	319	---	---	---	---	---	242
11-12pm	---	---	---	---	---	217	---	---	---	---	---	145
Totals	---	---	---	---	---	14,170	---	---	---	---	---	12,756
7-10am	1,536	34	70	530	155	2,325	1,614	32	124	591	250	2,611
10am-1pm	1,549	17	37	340	137	2,080	1,449	17	79	547	262	2,354
1-4pm	2,224	27	54	376	153	2,834	1,429	33	153	560	200	2,375
4-7pm	2,447	37	92	368	229	3,173	1,642	27	90	212	126	2,097
7am-7pm	7,756	115	253	1,614	674	10,412	6,134	109	446	1,910	838	9,437

Based on 1989 Classification Survey Data

** Peak Volumes

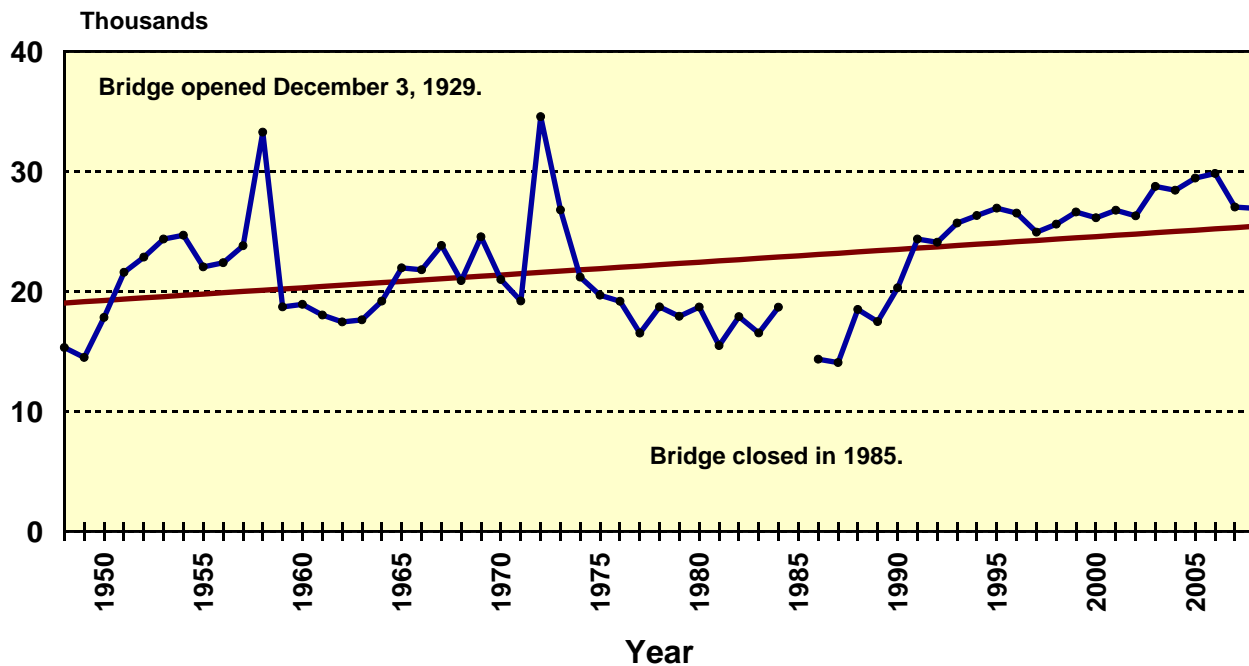
Hourly Vehicular Volumes Greenpoint Avenue Bridge - 2008



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

Average Daily Traffic Volumes Greenpoint Avenue Bridge

1948-2008 Growth Rate = 0.5%



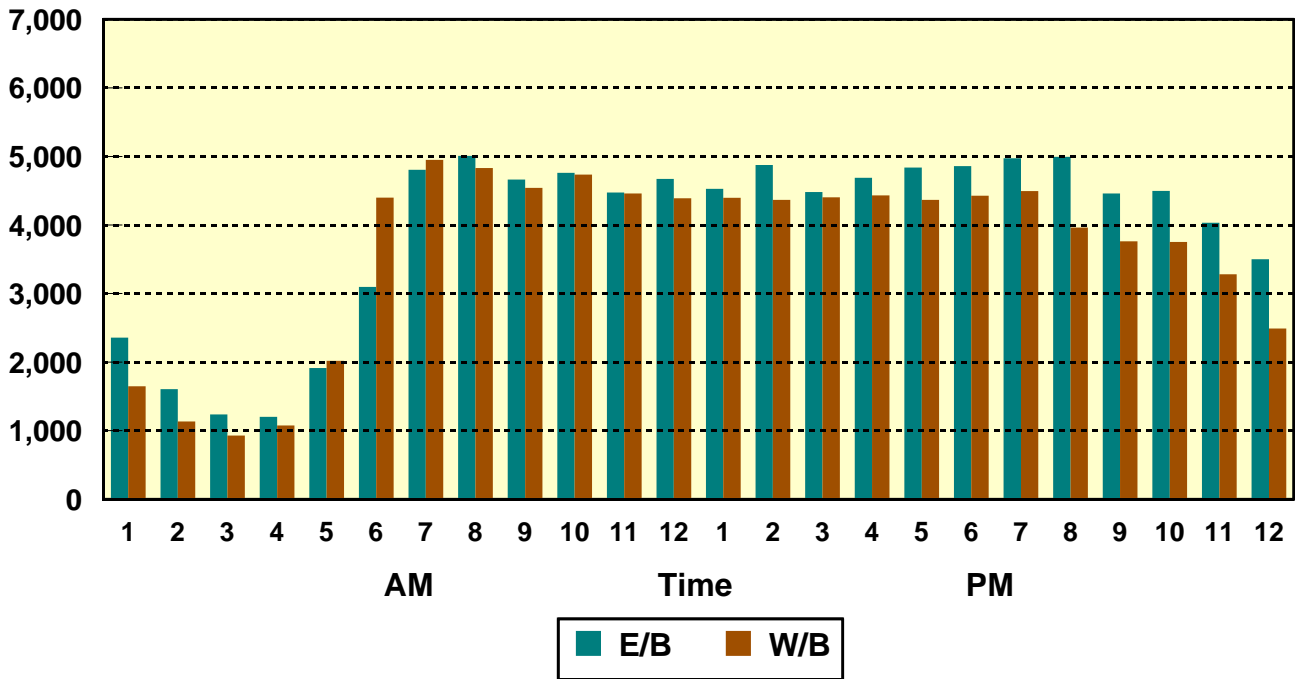
Hourly Vehicular Volumes Kosciuszko Bridge - 2008

	Eastbound to Queens					Westbound to Brooklyn					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	2,356	---	---	---	---	---	1,646
1-2am	---	---	---	---	---	1,606	---	---	---	---	---	1,135
2-3am	---	---	---	---	---	1,236	---	---	---	---	---	929
3-4am	---	---	---	---	---	1,201	---	---	---	---	---	1,077
4-5am	---	---	---	---	---	1,913	---	---	---	---	---	2,017
5-6am	---	---	---	---	---	3,096	---	---	---	---	---	4,399
6-7am	---	---	---	---	---	4,806	---	---	---	---	---	4,951
7-8am	4,127	55	112	433	280	5,007	4,128	12	55	327	309	4,831
8-9am	3,819	17	122	424	282	4,664	3,821	12	32	361	316	4,542
9-10am	3,862	39	111	423	326	4,761	3,809	14	60	497	355	4,735
10-11am	3,884	22	108	258	203	4,475	4,025	7	34	237	156	4,459
11-12am	3,471	12	188	582	421	4,674	3,492	7	67	539	286	4,391
12-1pm	4,012	10	69	256	180	4,527	3,861	7	67	308	154	4,397
1-2pm	3,784	38	118	510	425	4,875	3,363	9	79	549	366	4,366
2-3pm	3,467	19	147	448	399	4,480	3,449	13	71	515	357	4,405
3-4pm	4,303	14	70	99	203	4,689	4,023	17	22	215	156	4,433
4-5pm	4,106	22	116	210	384	4,838	3,749	15	61	301	243	4,369
5-6pm	4,203	17	83	296	262	4,861	3,807	7	44	294	276	4,428
6-7pm	4,518	10	73	101	270	4,972	4,007	7	17	202	262	4,495
7-8pm	---	---	---	---	---	4,994	---	---	---	---	---	3,964
8-9pm	---	---	---	---	---	4,462	---	---	---	---	---	3,764
9-10pm	---	---	---	---	---	4,499	---	---	---	---	---	3,754
10-11pm	---	---	---	---	---	4,033	---	---	---	---	---	3,281
11-12pm	---	---	---	---	---	3,501	---	---	---	---	---	2,489
Totals	---	---	---	---	---	94,526	---	---	---	---	---	87,257
7-10am	11,808	111	345	1,280	888	14,432	11,758	38	147	1,185	980	14,108
10am-1pm	11,367	44	365	1,096	804	13,676	11,378	21	168	1,084	596	13,247
1-4pm	11,554	71	335	1,057	1,027	14,044	10,835	39	172	1,279	879	13,204
4-7pm	12,827	49	272	607	916	14,671	11,563	29	122	797	781	13,292
7am-7pm	47,556	275	1,317	4,040	3,635	56,823	45,534	127	609	4,345	3,236	53,851

Based on 1989 Classification Survey Data

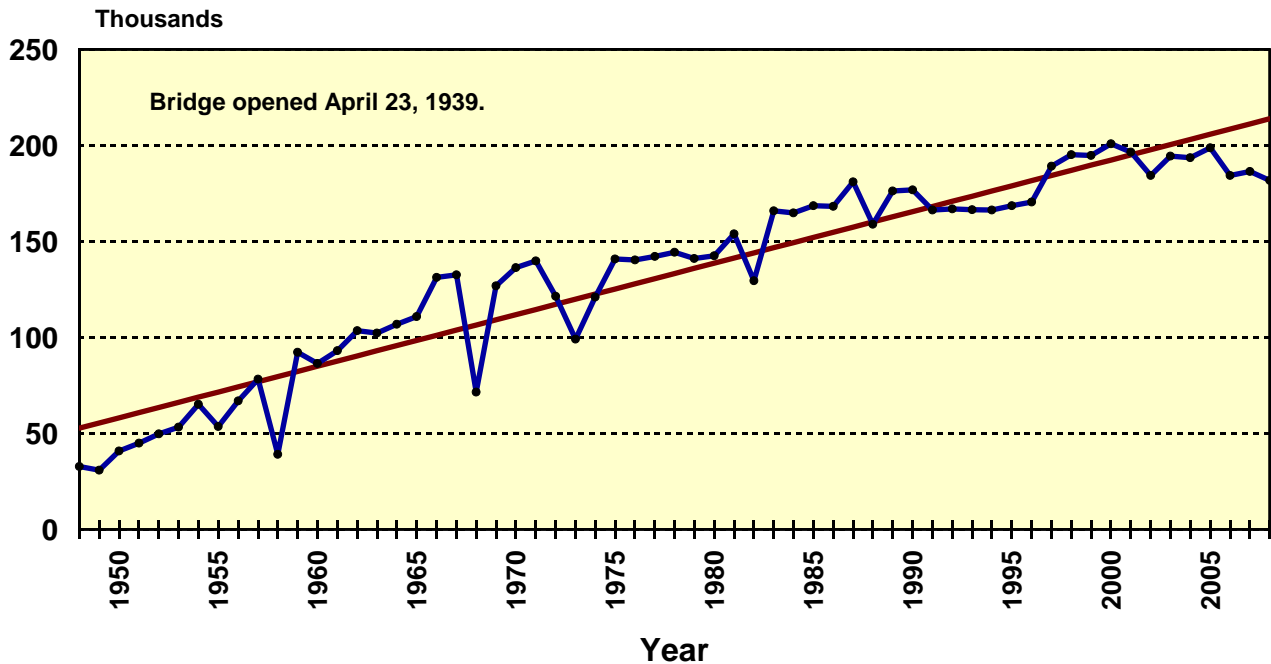
** Peak Volumes

Hourly Vehicular Volumes Kosciuszko Bridge - 2008



Average Daily Traffic Volumes Kosciuszko Bridge

1948-2008 Growth Rate = 2.4%



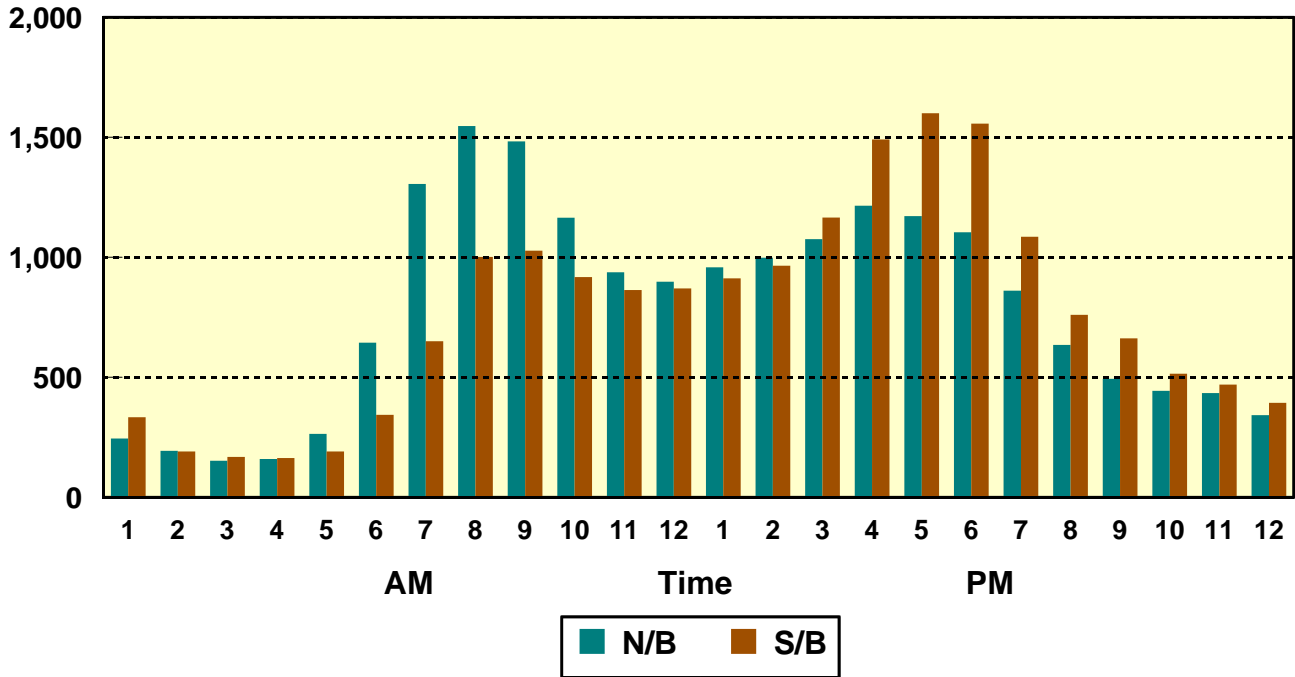
Hourly Vehicular Volumes Pulaski Bridge - 2008

	Northbound to Queens					Southbound to Brooklyn					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	245	---	---	---	---	---	333
1-2am	---	---	---	---	---	193	---	---	---	---	---	191
2-3am	---	---	---	---	---	152	---	---	---	---	---	168
3-4am	---	---	---	---	---	159	---	---	---	---	---	163
4-5am	---	---	---	---	---	264	---	---	---	---	---	191
5-6am	---	---	---	---	---	644	---	---	---	---	---	343
6-7am	---	---	---	---	---	1,306	---	---	---	---	---	650
7-8am	1,144	24	54	175	150	1,547 **	665	13	27	185	112	1,002
8-9am	1,073	19	42	198	151	1,483	654	12	33	184	145	1,028
9-10am	738	17	47	213	150	1,165	557	15	25	181	139	917
10-11am	718	12	23	107	77	937	683	11	18	89	62	863
11-12am	502	10	40	204	142	898	497	13	35	197	128	870
12-1pm	746	9	19	105	79	958	734	11	15	94	58	912
1-2pm	749	20	26	118	85	998	763	20	28	100	54	965
2-3pm	655	17	38	209	157	1,076	692	15	39	306	114	1,166
3-4pm	989	22	17	106	81	1,215	1,233	22	28	119	89	1,491
4-5pm	882	10	37	112	131	1,172	1,225	12	50	170	143	1,600 **
5-6pm	909	8	41	40	106	1,104	1,279	10	35	114	119	1,557
6-7pm	680	12	32	56	81	861	913	10	23	66	74	1,086
7-8pm	---	---	---	---	---	635	---	---	---	---	---	760
8-9pm	---	---	---	---	---	493	---	---	---	---	---	662
9-10pm	---	---	---	---	---	443	---	---	---	---	---	515
10-11pm	---	---	---	---	---	434	---	---	---	---	---	469
11-12pm	---	---	---	---	---	342	---	---	---	---	---	393
Totals	---	---	---	---	---	18,724	---	---	---	---	---	18,295
7-10am	2,955	60	143	586	451	4,195	1,876	40	85	550	396	2,947
10am-1pm	1,966	31	82	416	298	2,793	1,914	35	68	380	248	2,645
1-4pm	2,393	59	81	433	323	3,289	2,688	57	95	525	257	3,622
4-7pm	2,471	30	110	208	318	3,137	3,417	32	108	350	336	4,243
7am-7pm	9,785	180	416	1,643	1,390	13,414	9,895	164	356	1,805	1,237	13,457

Based on 1989 Classification Survey Data

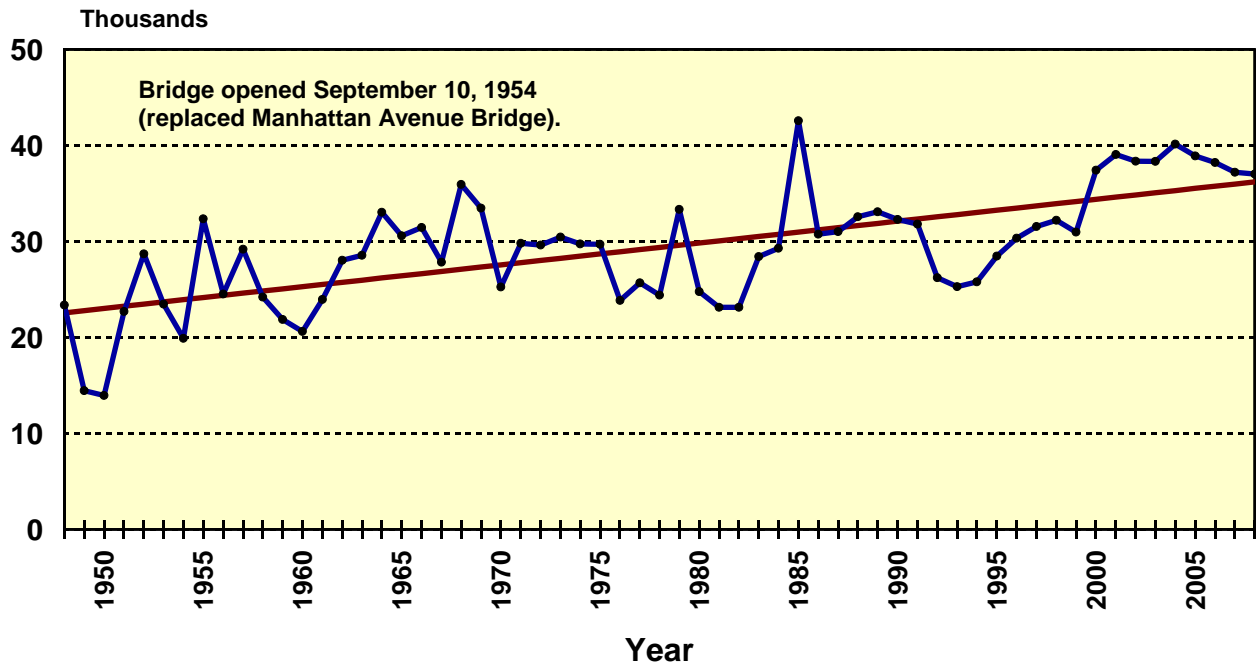
** Peak Volumes

Hourly Vehicular Volumes Pulaski Bridge - 2008



Average Daily Traffic Volumes Pulaski Bridge

1948-2008 Growth Rate = 0.8%



A photograph of a bridge structure, likely a steel truss bridge, with a concrete pier. The bridge has a metal railing with vertical posts. In the background, there are utility poles, streetlights, and buildings under a cloudy sky. A green arrow-shaped text box is overlaid on the image, pointing to the right. The text "Bronx Bridges" is written in green inside the arrow.

Bronx Bridges

Bronx Bridges
Average Daily Traffic Volumes
1948 - 2008

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

Bronx Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2008

<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

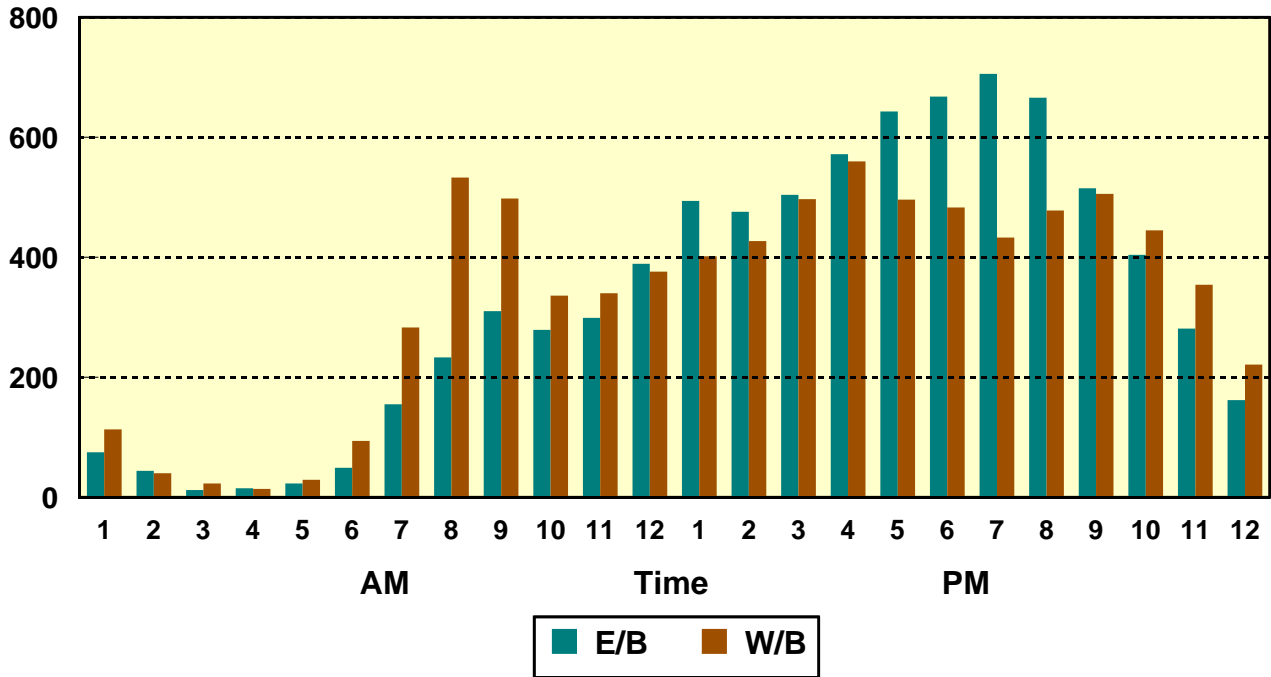
Hourly Vehicular Volumes City Island Bridge - 2008

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	75	---	---	---	---	---	113
1-2am	---	---	---	---	---	44	---	---	---	---	---	40
2-3am	---	---	---	---	---	12	---	---	---	---	---	23
3-4am	---	---	---	---	---	15	---	---	---	---	---	14
4-5am	---	---	---	---	---	23	---	---	---	---	---	29
5-6am	---	---	---	---	---	49	---	---	---	---	---	94
6-7am	---	---	---	---	---	155	---	---	---	---	---	283
7-8am	193	8	11	5	16	233	481	11	0	20	21	533
8-9am	240	14	12	8	36	310	434	15	0	15	34	498
9-10am	234	4	4	8	29	279	305	4	0	9	18	336
10-11am	279	0	4	7	9	299	326	3	1	8	2	340
11-12am	332	5	10	7	35	389	363	6	0	3	4	376
12-1pm	455	2	10	4	23	494	386	9	0	5	2	402
1-2pm	445	3	1	6	21	476	400	2	0	6	19	427
2-3pm	422	10	13	19	40	504	428	11	2	23	33	497
3-4pm	535	11	6	7	13	572	528	16	0	5	11	560
4-5pm	560	3	24	11	45	643	458	2	0	8	28	496
5-6pm	619	7	12	8	22	668	450	5	0	10	18	483
6-7pm	667	5	6	10	18	706	410	6	0	7	10	433
7-8pm	---	---	---	---	---	666	---	---	---	---	---	478
8-9pm	---	---	---	---	---	515	---	---	---	---	---	506
9-10pm	---	---	---	---	---	404	---	---	---	---	---	445
10-11pm	---	---	---	---	---	281	---	---	---	---	---	354
11-12pm	---	---	---	---	---	162	---	---	---	---	---	221
Totals	---	---	---	---	---	7,974	---	---	---	---	---	7,981
7-10am	667	26	27	21	81	822	1,220	30	0	44	73	1,367
10am-1pm	1,066	7	24	18	67	1,182	1,075	18	1	16	8	1,118
1-4pm	1,402	24	20	32	74	1,552	1,356	29	2	34	63	1,484
4-7pm	1,846	15	42	29	85	2,017	1,318	13	0	25	56	1,412
7am-7pm	4,981	72	113	100	307	5,573	4,969	90	3	119	200	5,381
Totals	---	---	---	---	---	7,974	---	---	---	---	---	7,981
Totals	---	---	---	---	---	15,955	---	---	---	---	---	15,955

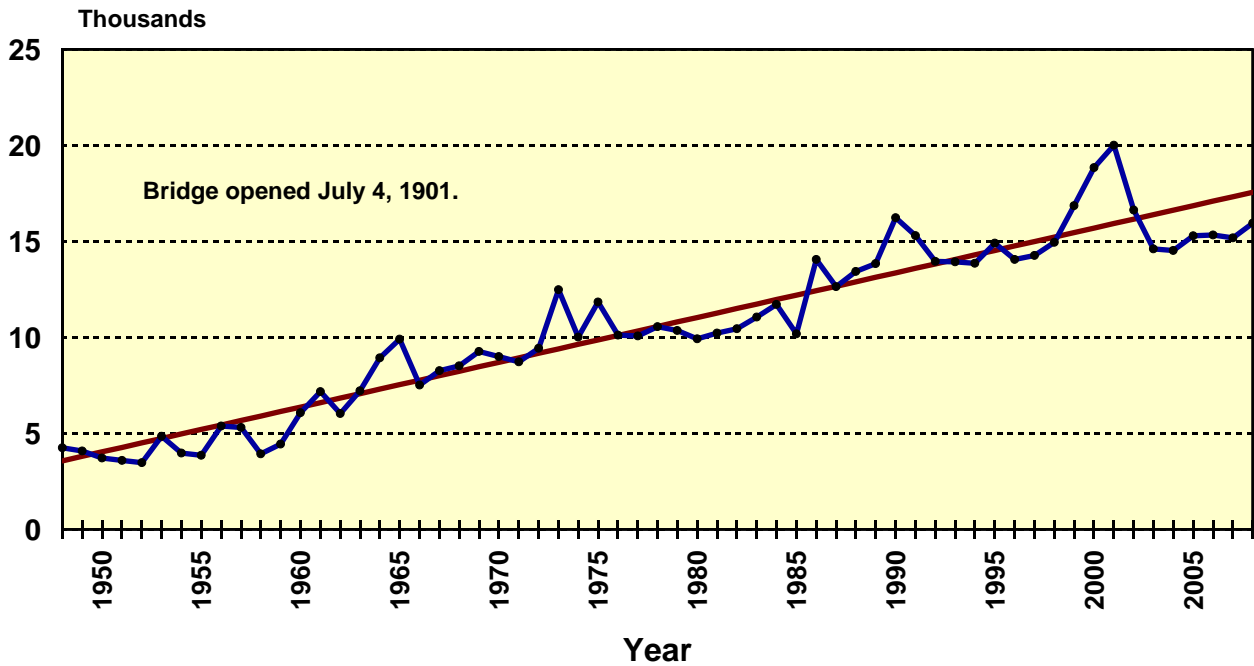
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes City Island Bridge - 2008



Average Daily Traffic Volumes City Island Bridge 1948-2008 Growth Rate = 2.7%



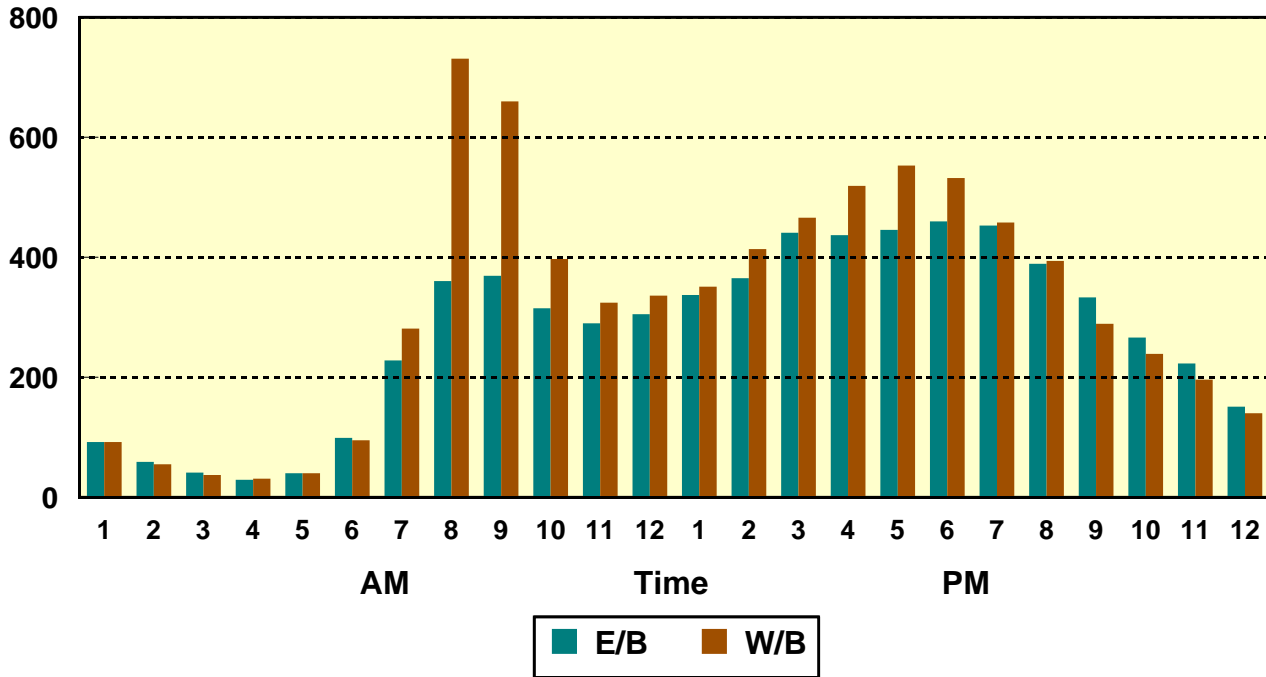
Hourly Vehicular Volumes East 174th Street Bridge - 2008

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	92	---	---	---	---	---	92
1-2am	---	---	---	---	---	59	---	---	---	---	---	55
2-3am	---	---	---	---	---	41	---	---	---	---	---	37
3-4am	---	---	---	---	---	29	---	---	---	---	---	31
4-5am	---	---	---	---	---	40	---	---	---	---	---	40
5-6am	---	---	---	---	---	99	---	---	---	---	---	95
6-7am	---	---	---	---	---	228	---	---	---	---	---	281
7-8am	297	27	9	13	14	360	625	33	23	9	41	731
8-9am	280	42	9	27	11	369	555	29	25	12	39	660
9-10am	250	24	9	15	17	315	333	15	11	8	30	397
10-11am	249	15	5	12	9	290	291	24	4	4	1	324
11-12am	218	18	18	28	23	305	270	12	4	22	28	336
12-1pm	290	10	10	14	13	337	315	17	4	7	8	351
1-2pm	323	9	10	10	13	365	375	16	7	5	11	414
2-3pm	338	29	22	32	20	441	368	35	14	18	31	466
3-4pm	382	26	9	10	10	437	447	37	9	1	25	519
4-5pm	377	10	18	22	19	446	475	18	15	15	30	553
5-6pm	406	11	11	16	16	460	476	19	13	1	23	532
6-7pm	403	18	6	11	15	453	414	13	13	3	15	458
7-8pm	---	---	---	---	---	389	---	---	---	---	---	394
8-9pm	---	---	---	---	---	333	---	---	---	---	---	289
9-10pm	---	---	---	---	---	266	---	---	---	---	---	239
10-11pm	---	---	---	---	---	223	---	---	---	---	---	196
11-12pm	---	---	---	---	---	151	---	---	---	---	---	140
Totals	---	---	---	---	---	6,528	---	---	---	---	---	7,630
7-10am	827	93	27	55	42	1,044	1,513	77	59	29	110	1,788
10am-1pm	757	43	33	54	45	932	876	53	12	33	37	1,011
1-4pm	1,043	64	41	52	43	1,243	1,190	88	30	24	67	1,399
4-7pm	1,186	39	35	49	50	1,359	1,365	50	41	19	68	1,543
7am-7pm	3,813	239	136	210	180	4,578	4,944	268	142	105	282	5,741

Based on 1989 Classification Survey Data

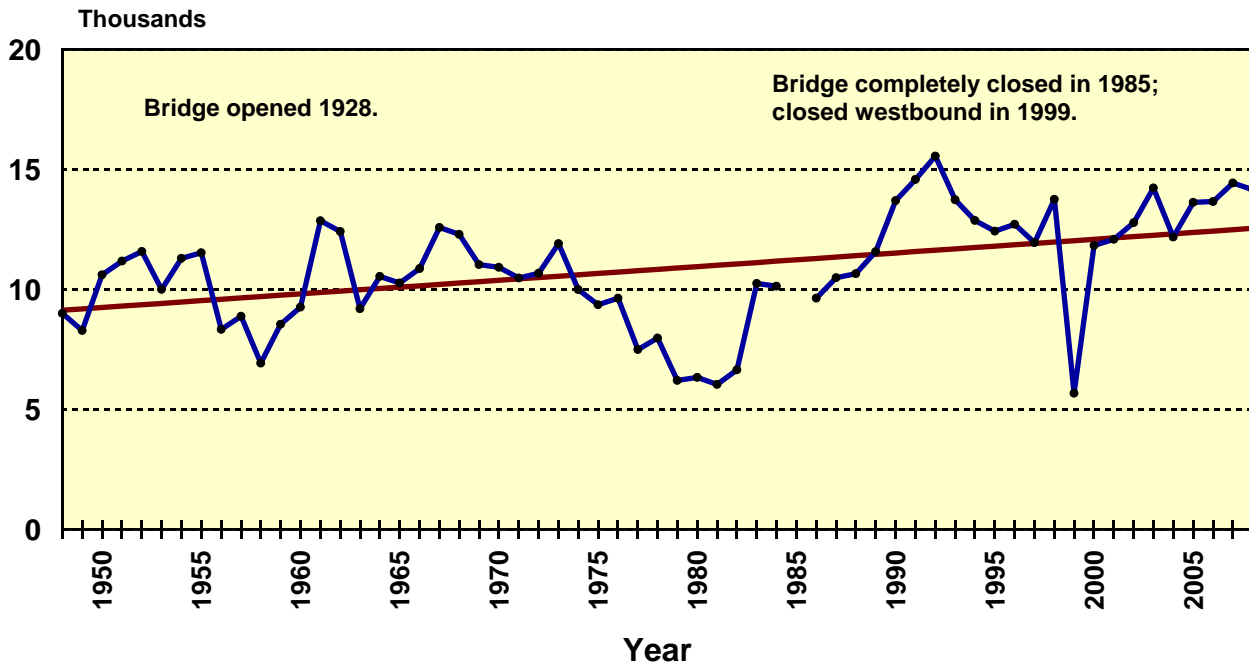
** Peak Volumes

Hourly Vehicular Volumes East 174th Street Bridge - 2008



Average Daily Traffic Volumes East 174th Street Bridge

1948-2008 Growth Rate = 0.5%



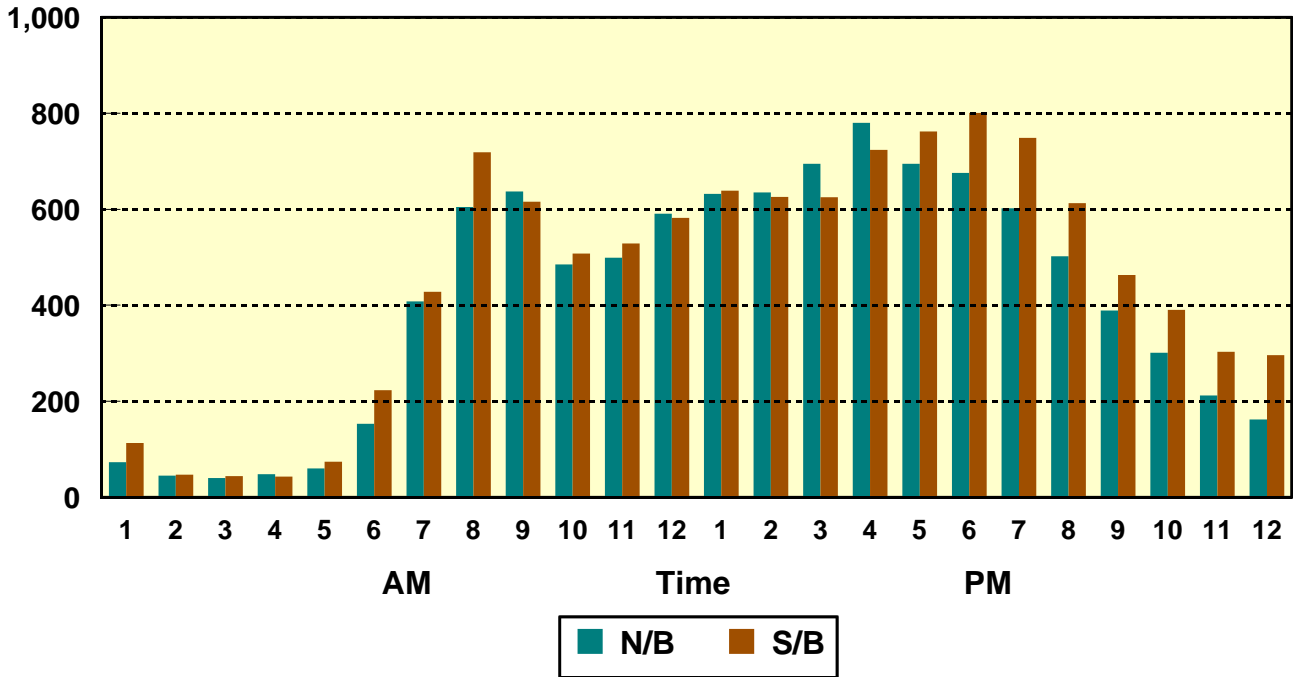
Hourly Vehicular Volumes Eastchester Bridge - 2008

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	73	---	---	---	---	---	113
1-2am	---	---	---	---	---	45	---	---	---	---	---	47
2-3am	---	---	---	---	---	40	---	---	---	---	---	44
3-4am	---	---	---	---	---	48	---	---	---	---	---	43
4-5am	---	---	---	---	---	60	---	---	---	---	---	74
5-6am	---	---	---	---	---	153	---	---	---	---	---	223
6-7am	---	---	---	---	---	408	---	---	---	---	---	428
7-8am	534	17	0	31	23	605	594	10	10	82	23	719
8-9am	539	13	0	47	38	637	485	12	14	79	26	616
9-10am	409	14	0	34	28	485	334	16	17	104	37	508
10-11am	457	6	0	20	16	499	459	7	13	33	17	529
11-12am	517	5	0	32	37	591	447	8	15	77	35	582
12-1pm	593	7	0	11	21	632	581	7	6	28	17	639
1-2pm	599	7	0	12	17	635	571	7	4	34	10	626
2-3pm	626	14	0	33	22	695	490	9	12	90	24	625
3-4pm	728	13	0	20	19	780	648	15	9	41	11	724
4-5pm	634	8	0	21	32	695	683	8	14	38	19	762
5-6pm	614	8	0	22	32	676	716	9	12	37	27	801
6-7pm	569	10	0	11	12	602	682	17	8	34	8	749
7-8pm	---	---	---	---	---	502	---	---	---	---	---	613
8-9pm	---	---	---	---	---	389	---	---	---	---	---	463
9-10pm	---	---	---	---	---	301	---	---	---	---	---	390
10-11pm	---	---	---	---	---	212	---	---	---	---	---	303
11-12pm	---	---	---	---	---	162	---	---	---	---	---	296
Totals	---	---	---	---	---	9,925	---	---	---	---	---	10,917
7-10am	1,482	44	0	112	89	1,727	1,413	38	41	265	86	1,843
10am-1pm	1,567	18	0	63	74	1,722	1,487	22	34	138	69	1,750
1-4pm	1,953	34	0	65	58	2,110	1,709	31	25	165	45	1,975
4-7pm	1,817	26	0	54	76	1,973	2,081	34	34	109	54	2,312
7am-7pm	6,819	122	0	294	297	7,532	6,690	125	134	677	254	7,880

Based on 1989 Classification Survey Data

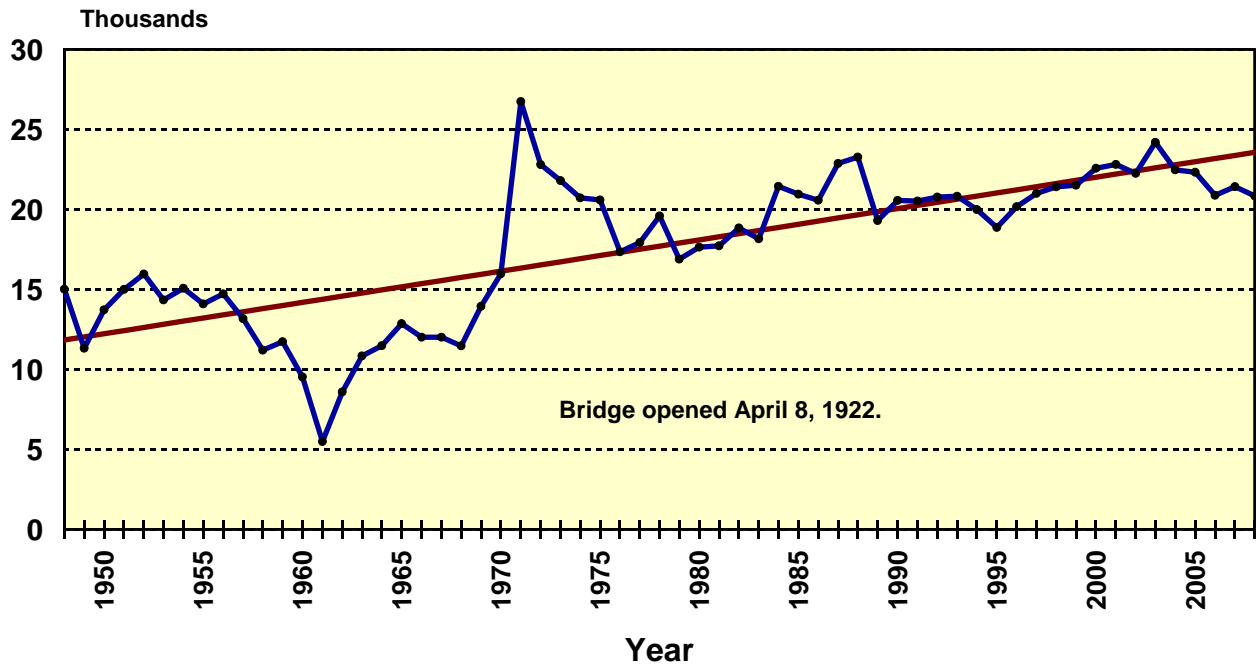
** Peak Volumes

Hourly Vehicular Volumes Eastchester Bridge - 2008



Average Daily Traffic Volumes Eastchester Bridge

1948-2008 Growth Rate = 1.2%



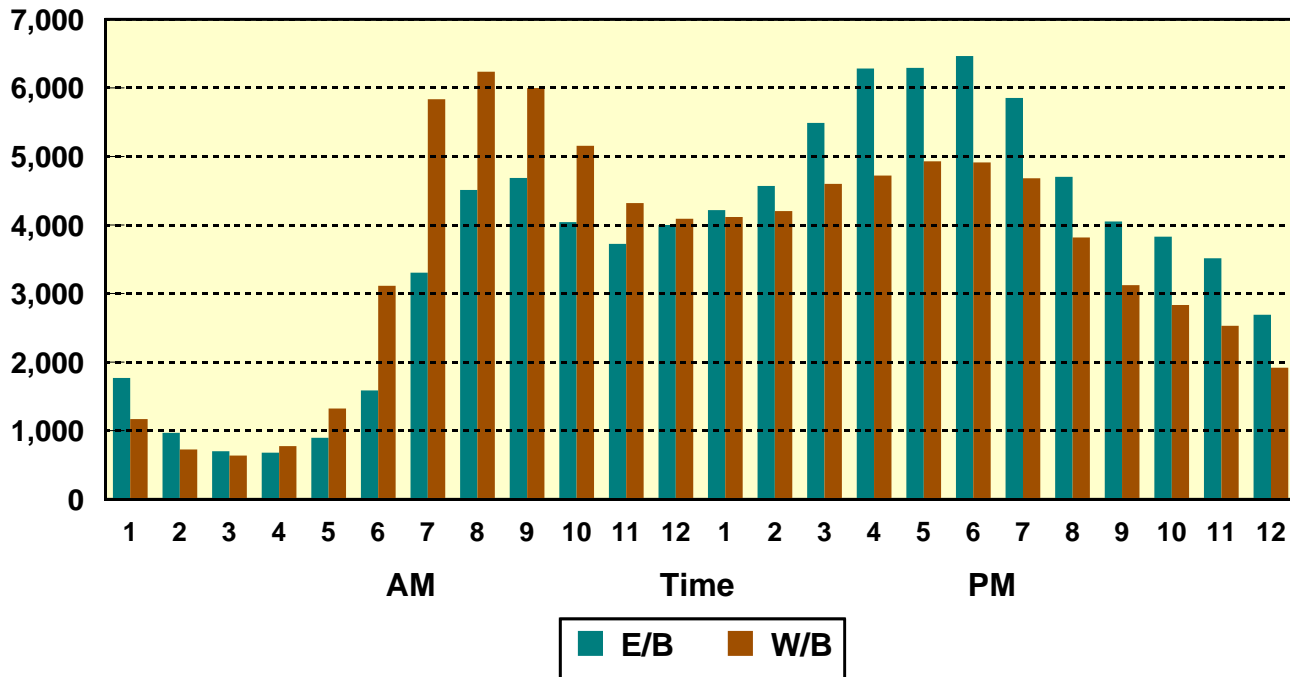
Hourly Vehicular Volumes Eastern Boulevard Bridge - 2008

	<i>Eastbound</i>					<i>Westbound</i>					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	1,768	---	---	---	---	---	1,168
1-2am	---	---	---	---	---	968	---	---	---	---	---	727
2-3am	---	---	---	---	---	700	---	---	---	---	---	636
3-4am	---	---	---	---	---	680	---	---	---	---	---	774
4-5am	---	---	---	---	---	895	---	---	---	---	---	1,323
5-6am	---	---	---	---	---	1,586	---	---	---	---	---	3,113
6-7am	---	---	---	---	---	3,304	---	---	---	---	---	5,834
7-8am	3,815	57	71	429	140	4,512	5,416	98	118	348	256	6,236
8-9am	3,727	108	100	529	224	4,688	5,079	72	136	432	278	5,997
9-10am	3,111	98	112	521	202	4,044	4,466	46	83	325	236	5,156
10-11am	3,282	24	48	269	103	3,726	3,983	34	52	157	94	4,320
11-12am	3,162	16	144	423	255	4,000	3,508	24	98	271	191	4,092
12-1pm	3,800	21	68	208	121	4,218	3,810	25	31	160	91	4,117
1-2pm	4,305	28	1	151	86	4,571	3,886	51	53	158	55	4,203
2-3pm	4,962	44	0	279	206	5,491	3,952	108	86	327	126	4,599
3-4pm	5,981	43	0	159	100	6,283	4,398	64	40	171	49	4,722
4-5pm	5,761	37	0	304	191	6,293	4,257	103	122	283	166	4,931
5-6pm	6,128	63	0	96	177	6,464	4,483	35	135	173	86	4,912
6-7pm	5,509	45	0	152	148	5,854	4,413	39	80	89	62	4,683
7-8pm	---	---	---	---	---	4,703	---	---	---	---	---	3,818
8-9pm	---	---	---	---	---	4,051	---	---	---	---	---	3,122
9-10pm	---	---	---	---	---	3,831	---	---	---	---	---	2,832
10-11pm	---	---	---	---	---	3,514	---	---	---	---	---	2,529
11-12pm	---	---	---	---	---	2,691	---	---	---	---	---	1,918
Totals	---	---	---	---	---	88,835	---	---	---	---	---	85,762
7-10am	10,653	263	283	1,479	566	13,244	14,961	216	337	1,105	770	17,389
10am-1pm	10,244	61	260	900	479	11,944	11,301	83	181	588	376	12,529
1-4pm	15,248	115	1	589	392	16,345	12,236	223	179	656	230	13,524
4-7pm	17,398	145	0	552	516	18,611	13,153	177	337	545	314	14,526
7am-7pm	53,543	584	544	3,520	1,953	60,144	51,651	699	1,034	2,894	1,690	57,968

Based on 1989 Classification Survey Data

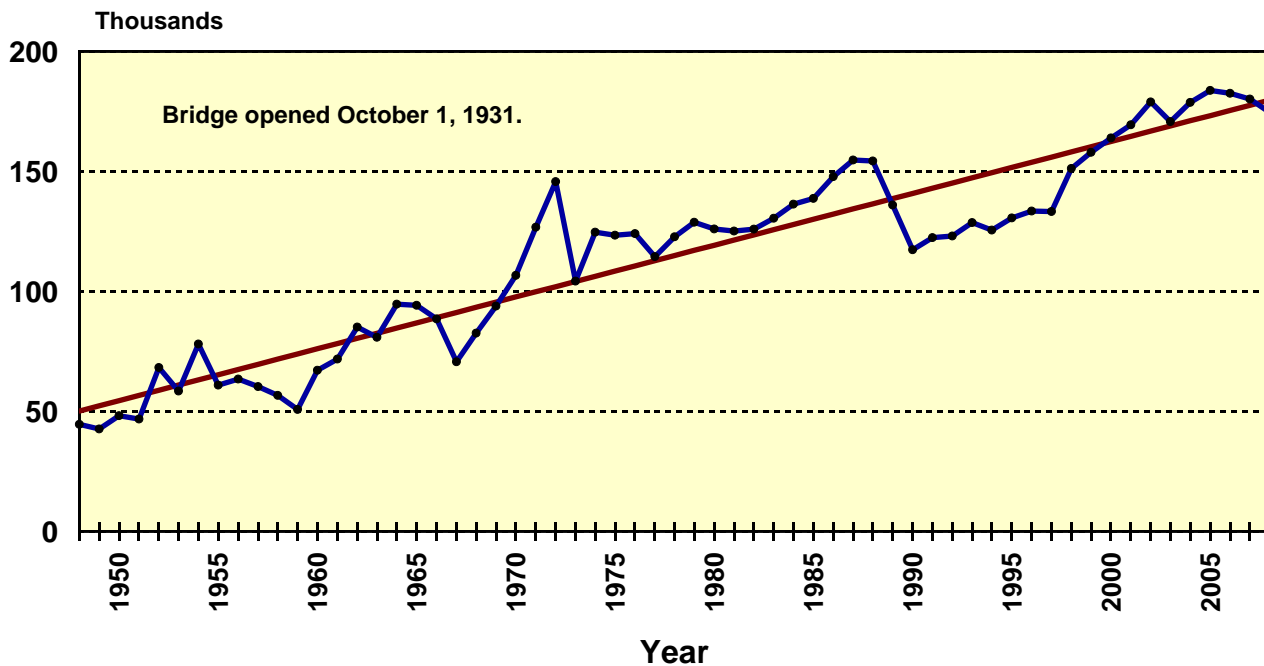
** Peak Volumes

Hourly Vehicular Volumes Eastern Boulevard Bridge - 2008



Average Daily Traffic Volumes Eastern Boulevard Bridge

1948-2008 Growth Rate = 2.2%



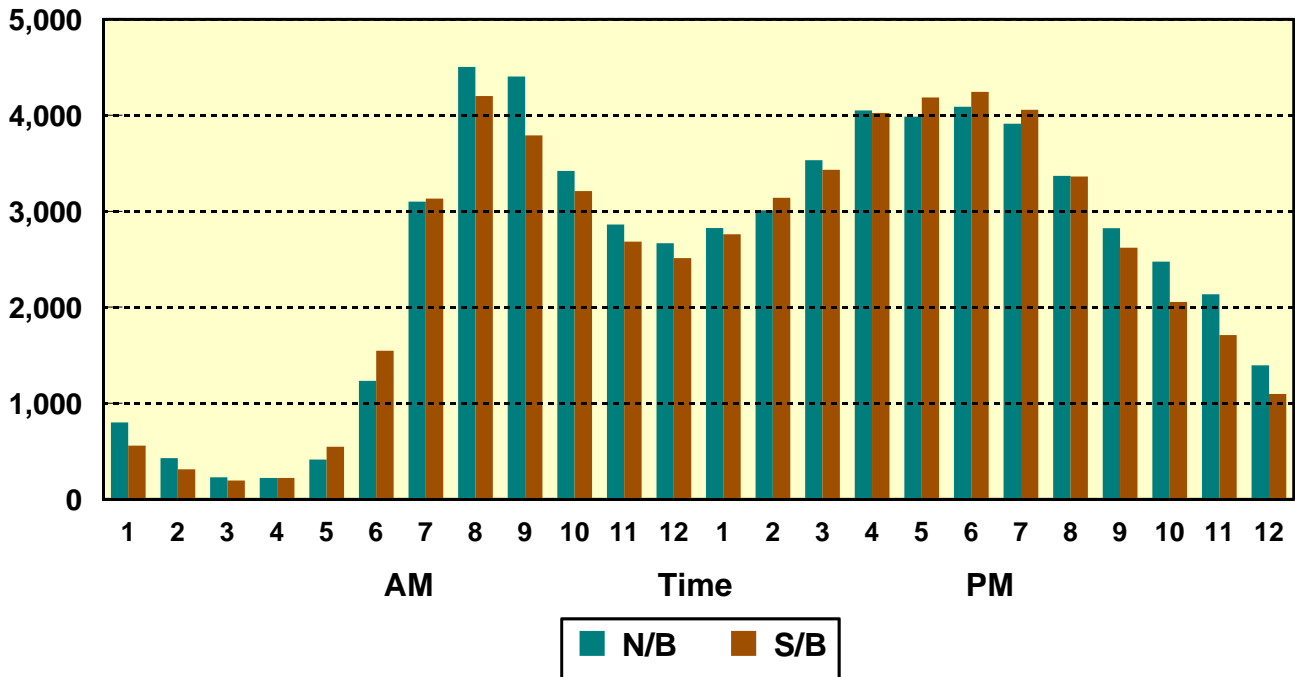
Hourly Vehicular Volumes Hutchinson River Parkway Bridge - 2008

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	799	---	---	---	---	---	558
1-2am	---	---	---	---	---	429	---	---	---	---	---	312
2-3am	---	---	---	---	---	228	---	---	---	---	---	195
3-4am	---	---	---	---	---	221	---	---	---	---	---	222
4-5am	---	---	---	---	---	413	---	---	---	---	---	546
5-6am	---	---	---	---	---	1,232	---	---	---	---	---	1,547
6-7am	---	---	---	---	---	3,101	---	---	---	---	---	3,133
7-8am	4,161	4	107	156	77	4,505 **	4,059	1	20	10	111	4,201
8-9am	4,126	7	73	142	57	4,405	3,703	2	6	7	73	3,791
9-10am	3,150	1	88	111	71	3,421	3,089	7	13	12	91	3,212
10-11am	2,726	3	37	63	34	2,863	2,641	3	6	6	28	2,684
11-12am	2,387	0	109	105	67	2,668	2,381	0	9	10	113	2,513
12-1pm	2,709	0	33	57	27	2,826	2,717	0	3	3	39	2,762
1-2pm	2,845	7	52	72	34	3,010	3,061	6	8	0	66	3,141
2-3pm	3,159	5	125	176	68	3,533	3,292	6	14	6	114	3,432
3-4pm	3,878	3	58	75	36	4,050	3,932	12	3	3	74	4,024
4-5pm	3,595	1	85	225	79	3,985	4,094	0	18	0	75	4,187
5-6pm	3,800	1	85	141	63	4,090	4,131	0	11	9	93	4,244 **
6-7pm	3,671	0	75	105	62	3,913	3,957	0	16	2	82	4,057
7-8pm	---	---	---	---	---	3,370	---	---	---	---	---	3,363
8-9pm	---	---	---	---	---	2,825	---	---	---	---	---	2,621
9-10pm	---	---	---	---	---	2,475	---	---	---	---	---	2,055
10-11pm	---	---	---	---	---	2,134	---	---	---	---	---	1,711
11-12pm	---	---	---	---	---	1,395	---	---	---	---	---	1,097
Totals	---	---	---	---	---	61,891	---	---	---	---	---	59,608
7-10am	11,437	12	268	409	205	12,331	10,851	10	39	29	275	11,204
10am-1pm	7,822	3	179	225	128	8,357	7,739	3	18	19	180	7,959
1-4pm	9,882	15	235	323	138	10,593	10,285	24	25	9	254	10,597
4-7pm	11,066	2	245	471	204	11,988	12,182	0	45	11	250	12,488
7am-7pm	40,207	32	927	1,428	675	43,269	41,057	37	127	68	959	42,248

Based on 1989 Classification Survey Data

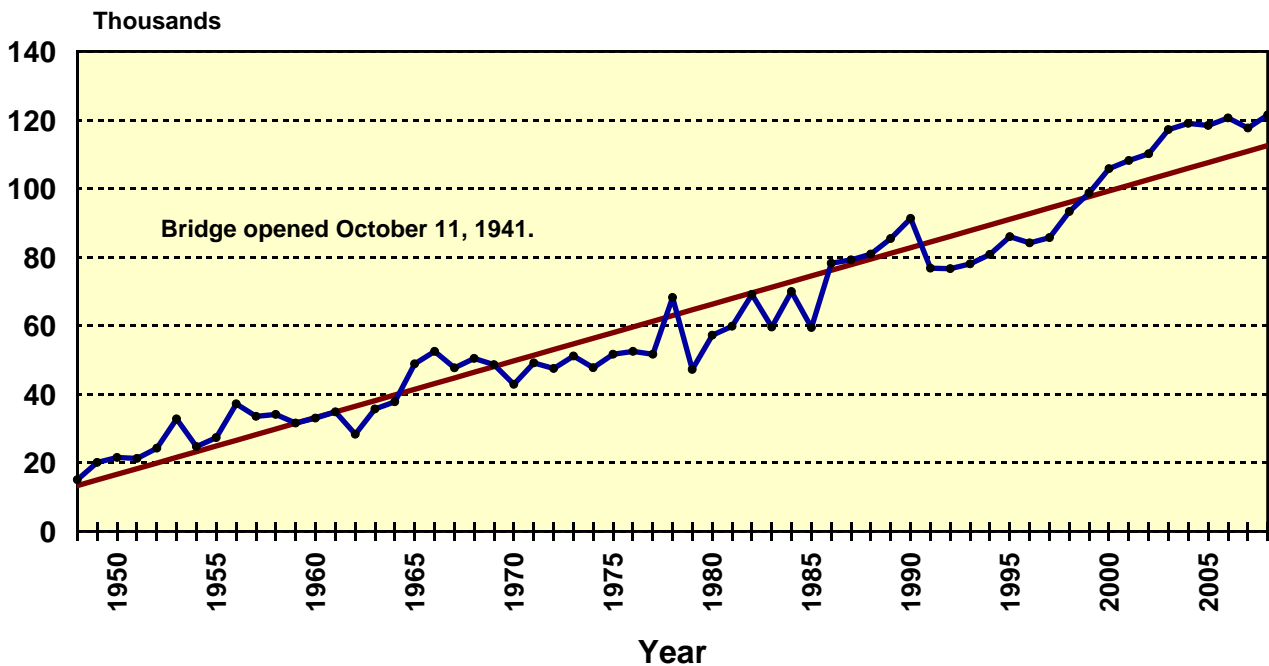
** Peak Volumes

Hourly Vehicular Volumes Hutchinson River Parkway Bridge - 2008



Average Daily Traffic Volumes Hutchinson River Parkway Bridge

1948-2008 Growth Rate = 3.6%



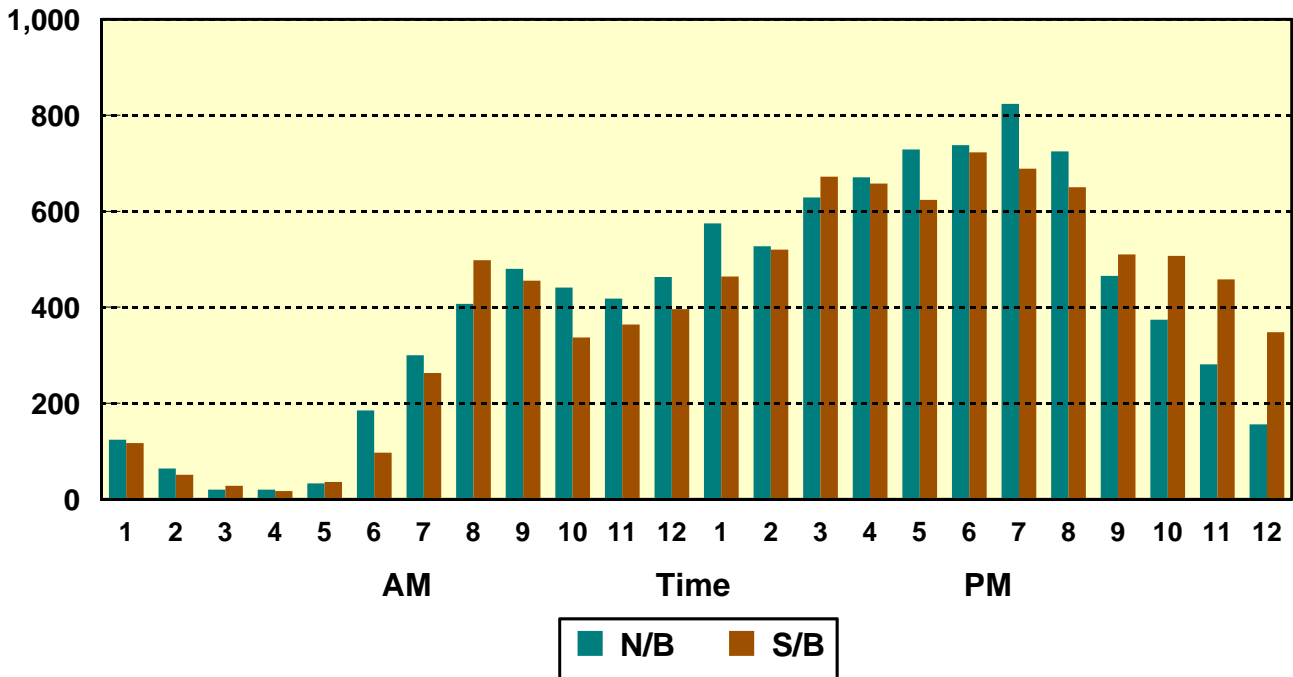
Hourly Vehicular Volumes Pelham Bridge - 2008

	Northbound					Southbound					2-Way Totals
	Autos	Buses	Commuter		Totals	Autos	Buses	Commuter		Totals	
			Vans	Trucks				Vans	Trucks		
12-1am	---	---	---	---	124	---	---	---	---	117	241
1-2am	---	---	---	---	64	---	---	---	---	51	115
2-3am	---	---	---	---	20	---	---	---	---	28	48
3-4am	---	---	---	---	20	---	---	---	---	17	37
4-5am	---	---	---	---	33	---	---	---	---	36	69
5-6am	---	---	---	---	185	---	---	---	---	97	282
6-7am	---	---	---	---	300	---	---	---	---	263	563
7-8am	339	15	12	24	407	434	14	11	20	498	905
8-9am	393	17	5	35	480	365	15	12	32	455	935
9-10am	372	8	3	27	441	278	5	7	29	337	778
10-11am	355	2	4	32	418	314	7	10	10	364	782
11-12am	396	5	6	23	463	297	5	11	58	396	859
12-1pm	536	12	2	6	575	431	12	3	11	464	1,039
1-2pm	497	7	0	14	527	474	9	8	18	520	1,047
2-3pm	535	21	8	31	629	590	15	8	36	672	1,301
3-4pm	617	14	1	15	671	596	25	6	19	658	1,329
4-5pm	664	6	5	17	729	577	8	3	19	624	1,353
5-6pm	671	9	3	21	738	640	16	18	15	723	1,461
6-7pm	773	11	4	5	824	627	10	15	22	689	1,513
7-8pm	---	---	---	---	725	---	---	---	---	650	1,375
8-9pm	---	---	---	---	465	---	---	---	---	510	975
9-10pm	---	---	---	---	374	---	---	---	---	507	881
10-11pm	---	---	---	---	281	---	---	---	---	458	739
11-12pm	---	---	---	---	156	---	---	---	---	348	504
Totals	---	---	---	---	9,649	---	---	---	---	9,482	19,131
7-10am	1,104	40	20	86	1,328	1,077	34	30	81	1,290	2,618
10am-1pm	1,287	19	12	61	1,456	1,042	24	24	79	1,224	2,680
1-4pm	1,649	42	9	60	1,827	1,660	49	22	73	1,850	3,677
4-7pm	2,108	26	12	43	2,291	1,844	34	36	56	2,036	4,327
7am-7pm	6,148	127	53	250	6,902	5,623	141	112	289	6,400	13,302

Based on 1989 Classification Survey Data

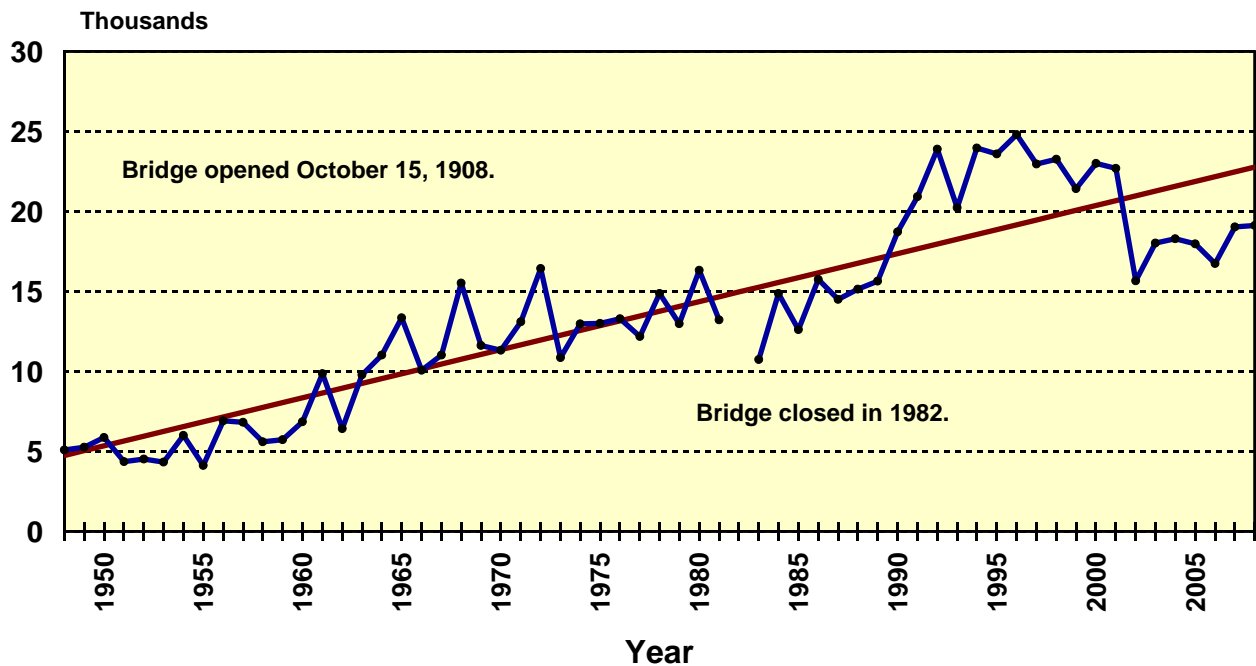
** Peak Volumes

Hourly Vehicular Volumes Pelham Bridge - 2008



Average Daily Traffic Volumes Pelham Bridge

1948-2008 Growth Rate = 2.6%



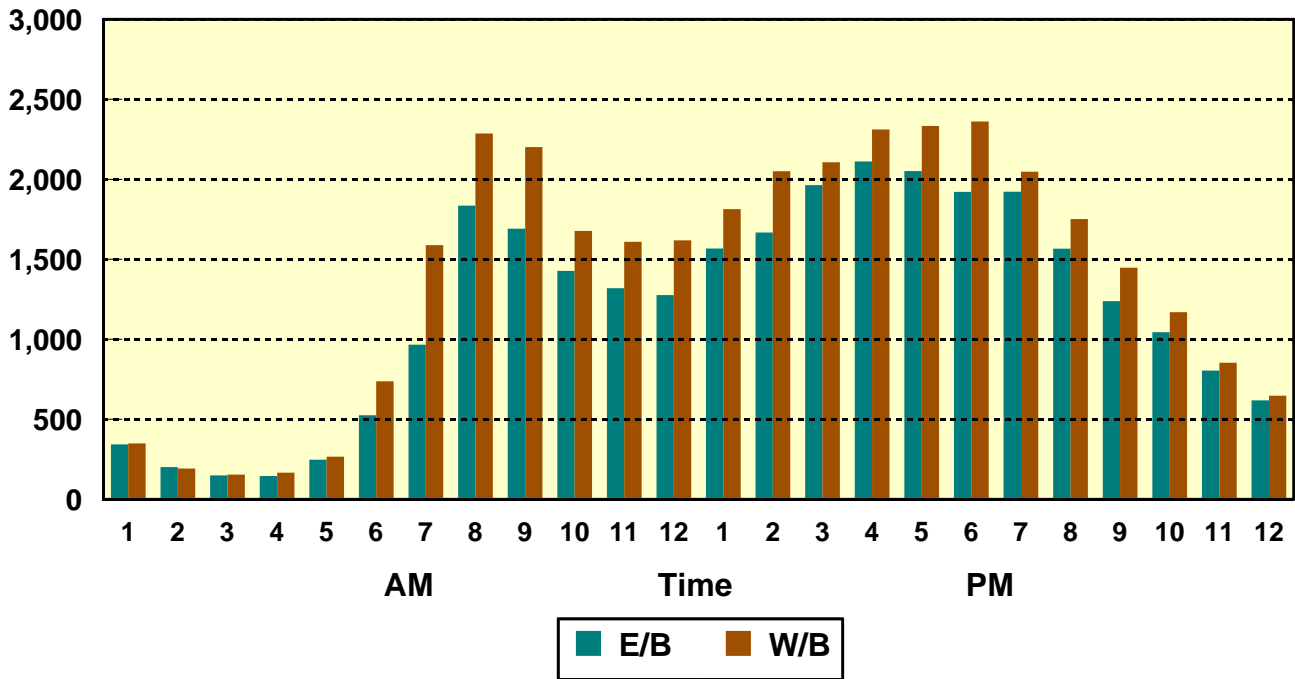
Hourly Vehicular Volumes Unionport Bridge - 2008

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter		Commercial Vans	Autos	Buses	Commuter		Commercial Vans		
			Vans	Trucks				Vans	Trucks			
12-1am	---	---	---	---	---	---	---	---	---	---	---	692
1-2am	---	---	---	---	---	---	---	---	---	---	---	393
2-3am	---	---	---	---	---	---	---	---	---	---	---	303
3-4am	---	---	---	---	---	---	---	---	---	---	---	311
4-5am	---	---	---	---	---	---	---	---	---	---	---	513
5-6am	---	---	---	---	---	---	---	---	---	---	---	1,262
6-7am	---	---	---	---	---	---	---	---	---	---	---	2,555
7-8am	1,593	42	24	133	43	2,134	41	2	45	64	2,286	4,121
8-9am	1,427	34	44	122	64	2,053	26	0	71	51	2,201	3,892
9-10am	1,144	31	56	121	75	1,552	21	0	45	60	1,678	3,105
10-11am	1,164	17	19	76	43	1,516	21	0	18	55	1,610	2,929
11-12am	1,001	13	52	141	69	1,402	17	0	91	109	1,619	2,895
12-1pm	1,396	14	30	88	40	1,728	12	0	40	34	1,814	3,382
1-2pm	1,361	12	45	162	88	1,765	27	2	128	128	2,050	3,718
2-3pm	1,681	19	50	152	62	1,852	30	0	111	114	2,107	4,071
3-4pm	1,972	15	19	66	39	2,131	53	0	52	76	2,312	4,423 **
4-5pm	1,783	18	37	143	70	2,068	33	0	78	155	2,334	4,385
5-6pm	1,697	22	43	124	36	2,160	34	0	76	91	2,361 **	4,283
6-7pm	1,705	34	47	102	35	1,930	21	0	36	61	2,048	3,971
7-8pm	---	---	---	---	---	---	---	---	---	---	---	3,318
8-9pm	---	---	---	---	---	---	---	---	---	---	---	2,685
9-10pm	---	---	---	---	---	---	---	---	---	---	---	2,213
10-11pm	---	---	---	---	---	---	---	---	---	---	---	1,657
11-12pm	---	---	---	---	---	---	---	---	---	---	---	1,265
Totals	---	---	---	---	---	---	---	---	---	---	---	62,342
7-10am	4,164	107	124	376	182	5,739	88	2	161	175	6,165	11,118
10am-1pm	3,561	44	101	305	152	4,646	50	0	149	198	5,043	9,206
1-4pm	5,014	46	114	380	189	5,748	110	2	291	318	6,469	12,212
4-7pm	5,185	74	127	369	141	6,158	88	0	190	307	6,743	12,639
7am-7pm	17,924	271	466	1,430	664	22,291	336	4	791	998	24,420	45,175

Based on 1989 Classification Survey Data

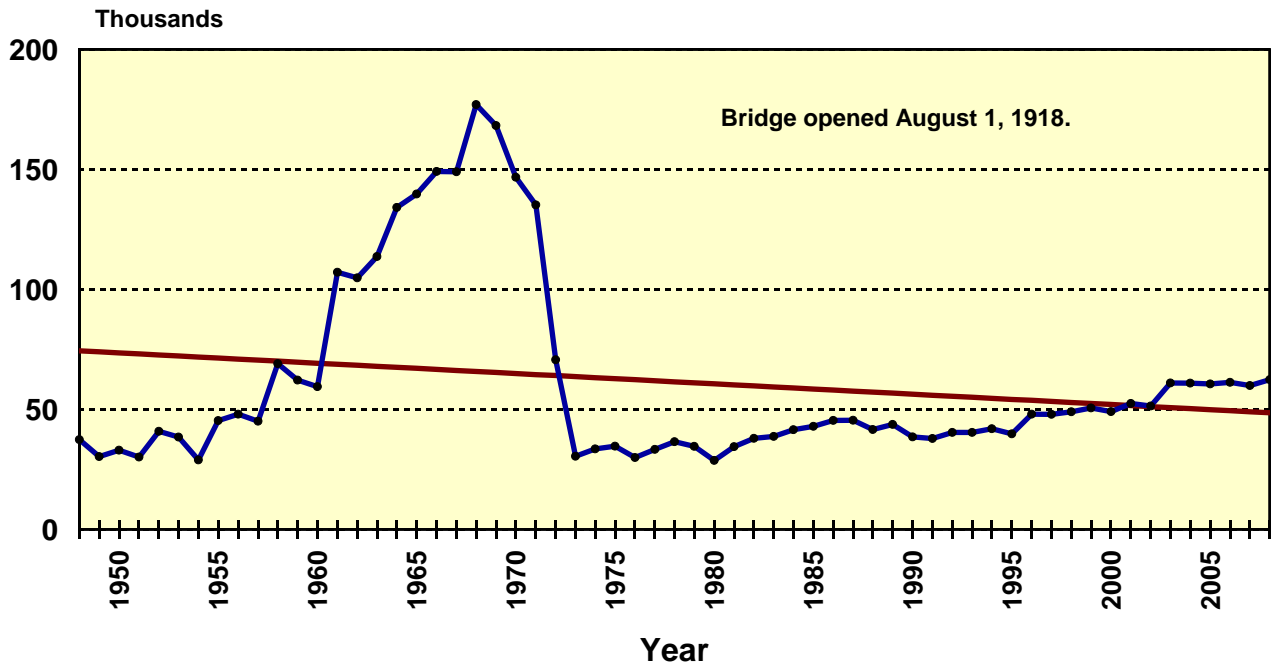
** Peak Volumes

Hourly Vehicular Volumes Unionport Bridge - 2008



Average Daily Traffic Volumes Unionport Bridge

1948-2008 Growth Rate = - 0.7%



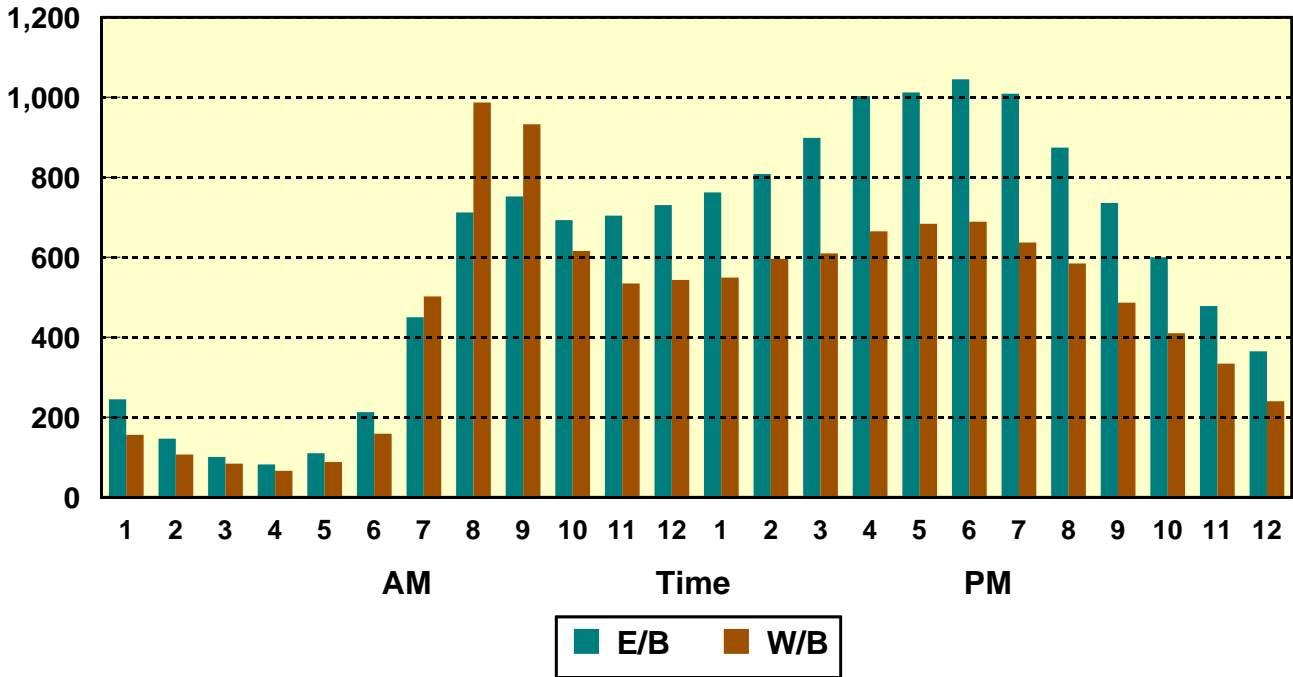
Hourly Vehicular Volumes Westchester Avenue Bridge - 2008

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter		Commercial Vans	Autos	Buses	Commuter		Commercial Vans		Totals
			Vans	Trucks				Vans	Trucks			
12-1am	---	---	---	---	245	---	---	---	---	---	156	
1-2am	---	---	---	---	146	---	---	---	---	---	107	
2-3am	---	---	---	---	101	---	---	---	---	---	84	
3-4am	---	---	---	---	82	---	---	---	---	---	66	
4-5am	---	---	---	---	110	---	---	---	---	---	88	
5-6am	---	---	---	---	213	---	---	---	---	---	159	
6-7am	---	---	---	---	450	---	---	---	---	---	502	
7-8am	606	37	18	27	712	861	39	1	24	62	987 **	
8-9am	639	54	8	26	752	811	43	1	32	46	933	
9-10am	617	31	13	13	693	527	14	0	24	51	616	
10-11am	640	34	5	10	704	499	16	0	11	8	534	
11-12am	617	28	8	35	731	440	15	0	35	53	543	
12-1pm	715	22	2	8	762	485	18	0	23	23	549	
1-2pm	724	43	9	16	808	541	20	0	10	25	596	
2-3pm	755	55	7	33	899	526	27	0	18	39	610	
3-4pm	906	70	1	15	1,003	616	22	0	12	15	665	
4-5pm	913	37	22	21	1,012	600	28	0	19	37	684	
5-6pm	958	22	12	20	1,045 **	592	17	0	18	62	689	
6-7pm	927	30	2	9	1,009	567	9	0	2	59	637	
7-8pm	---	---	---	---	874	---	---	---	---	---	584	
8-9pm	---	---	---	---	736	---	---	---	---	---	486	
9-10pm	---	---	---	---	600	---	---	---	---	---	410	
10-11pm	---	---	---	---	478	---	---	---	---	---	334	
11-12pm	---	---	---	---	365	---	---	---	---	---	240	
Totals	---	---	---	---	14,530	---	---	---	---	---	11,259	
7-10am	1,862	122	39	66	2,157	2,199	96	2	80	159	2,536	
10am-1pm	1,972	84	15	53	2,197	1,424	49	0	69	84	1,626	
1-4pm	2,385	168	17	64	2,710	1,683	69	0	40	79	1,871	
4-7pm	2,798	89	36	50	3,066	1,759	54	0	39	158	2,010	
7am-7pm	9,017	463	107	233	10,130	7,065	268	2	228	480	8,043	

Based on 1989 Classification Survey Data

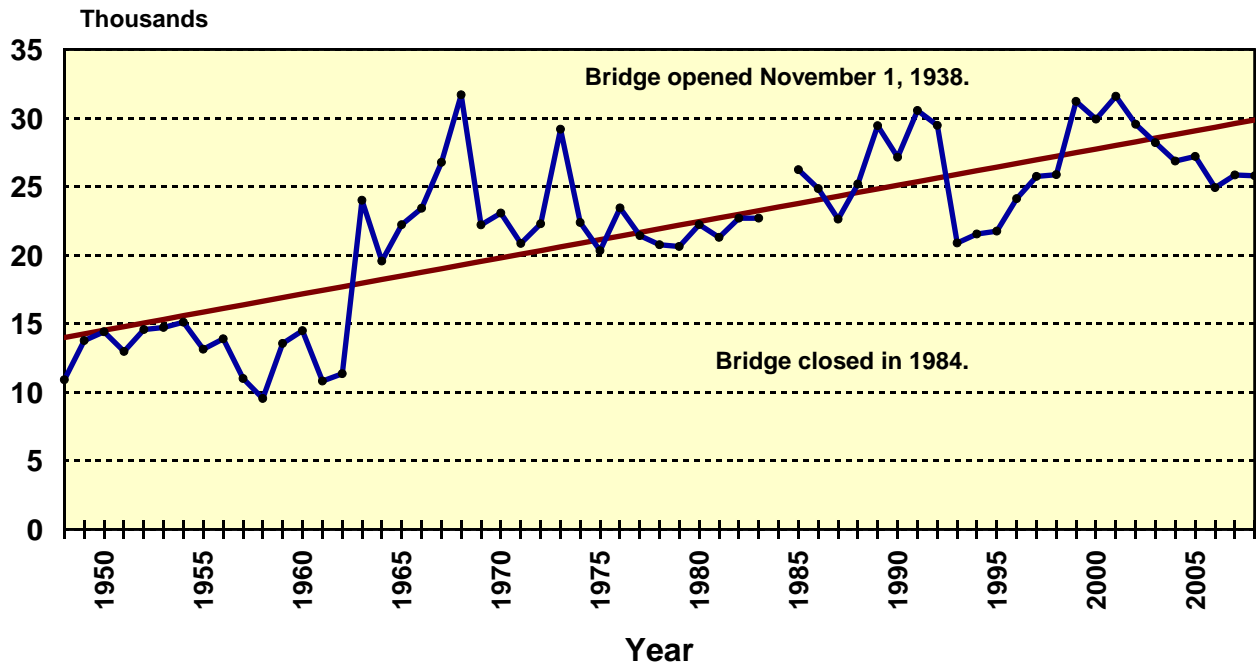
** Peak Volumes

Hourly Vehicular Volumes Westchester Avenue Bridge - 2008



Average Daily Traffic Volumes Westchester Avenue Bridge

1948-2008 Growth Rate = 1.3%



Brooklyn Bridges

Brooklyn Bridges
Average Daily Traffic Volumes
1948 - 2008

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

Brooklyn Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2008

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

Hourly Vehicular Volumes Carroll Street Bridge - 2008

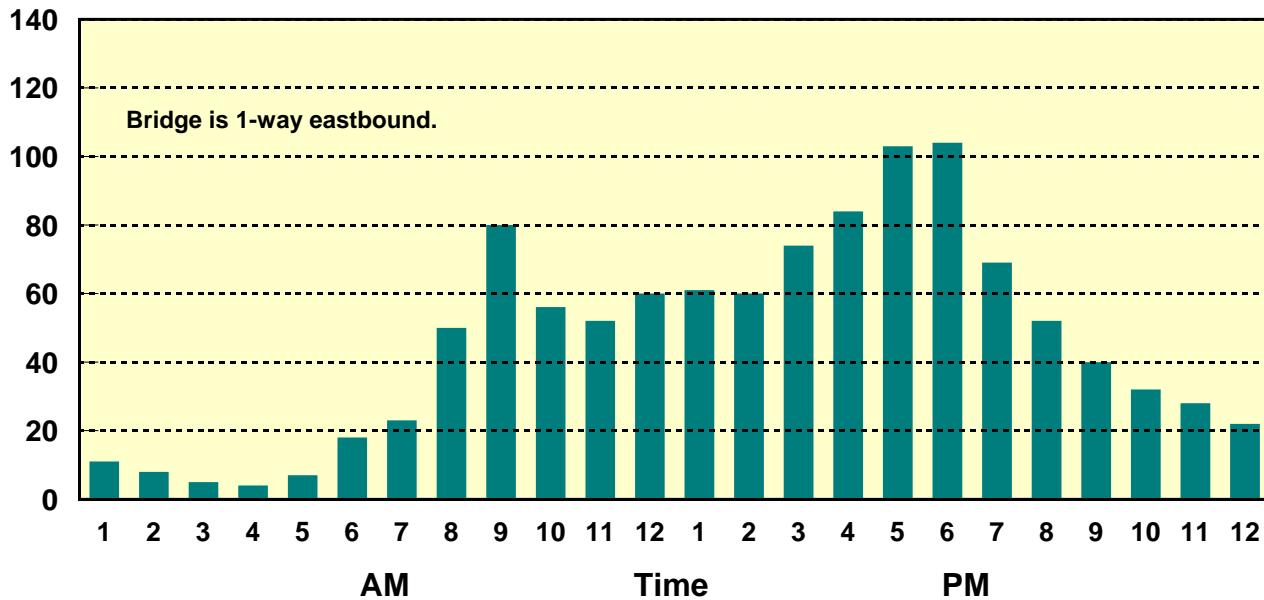
	Eastbound					Westbound					Grand Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	11	---	---	---	---	---	11
1-2am	---	---	---	---	---	8	---	---	---	---	---	8
2-3am	---	---	---	---	---	5	---	---	---	---	---	5
3-4am	---	---	---	---	---	4	---	---	---	---	---	4
4-5am	---	---	---	---	---	7	---	---	---	---	---	7
5-6am	---	---	---	---	---	18	---	---	---	---	---	18
6-7am	---	---	---	---	---	23	---	---	---	---	---	23
7-8am	19	0	9	13	9	50	---	---	---	---	---	50
8-9am	24	3	8	24	21	80	---	---	---	---	---	80
9-10am	21	0	6	21	8	56	---	---	---	---	---	56
10-11am	26	0	0	15	11	52	---	---	---	---	---	52
11-12am	22	0	6	17	15	60	---	---	---	---	---	60
12-1pm	11	0	12	18	20	61	---	---	---	---	---	61
1-2pm	18	0	9	10	23	60	---	---	---	---	---	60
2-3pm	2	0	16	37	19	74	---	---	---	---	---	74
3-4pm	68	0	2	8	6	84	---	---	---	---	---	84
4-5pm	79	0	3	8	13	103	---	---	---	---	---	103
5-6pm	83	0	8	5	8	104 **	---	---	---	---	---	104 **
6-7pm	60	0	4	1	4	69	---	---	---	---	---	69
7-8pm	---	---	---	---	---	52	---	---	---	---	---	52
8-9pm	---	---	---	---	---	40	---	---	---	---	---	40
9-10pm	---	---	---	---	---	32	---	---	---	---	---	32
10-11pm	---	---	---	---	---	28	---	---	---	---	---	28
11-12pm	---	---	---	---	---	22	---	---	---	---	---	22
Totals	---	---	---	---	---	1,103	---	---	---	---	---	1,103
7-10am	64	3	23	58	38	186	---	---	---	---	---	186
10am-1pm	59	0	18	50	46	173	---	---	---	---	---	173
1-4pm	88	0	27	55	48	218	---	---	---	---	---	218
4-7pm	222	0	15	14	25	276	---	---	---	---	---	276
7am-7pm	433	3	83	177	157	853	---	---	---	---	---	853

Bridge is 1-way eastbound

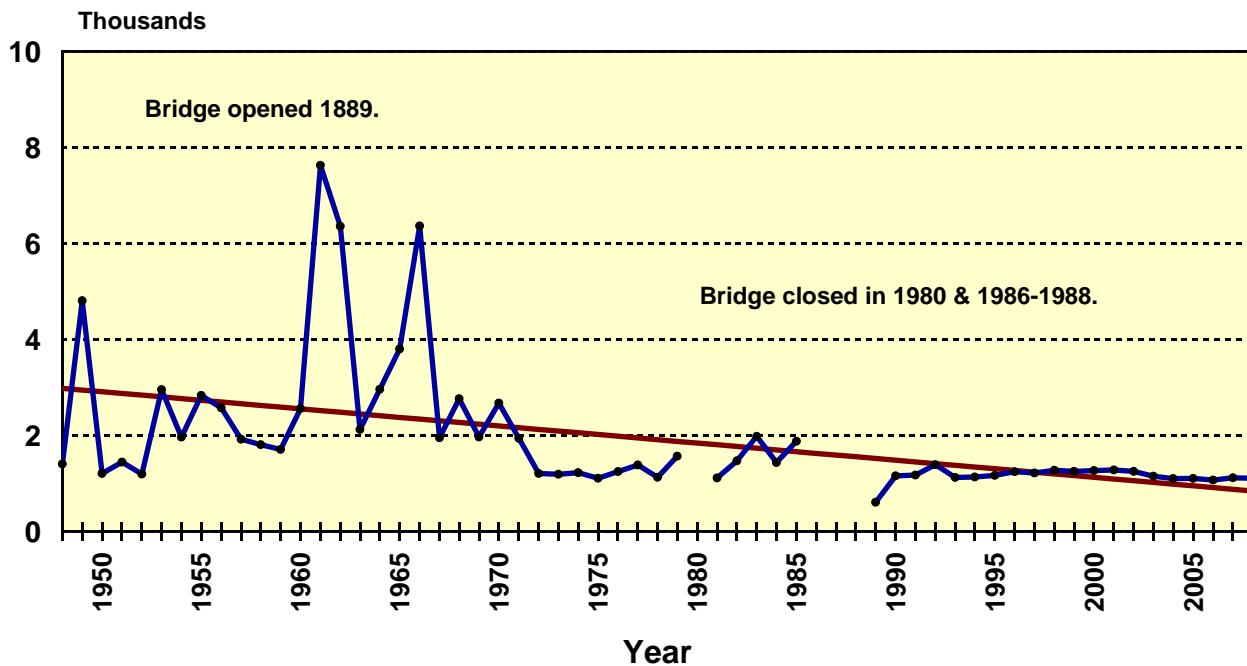
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Carroll Street Bridge - 2008



Average Daily Traffic Volumes Carroll Street Bridge 1948-2008 Growth Rate = - 2.1%



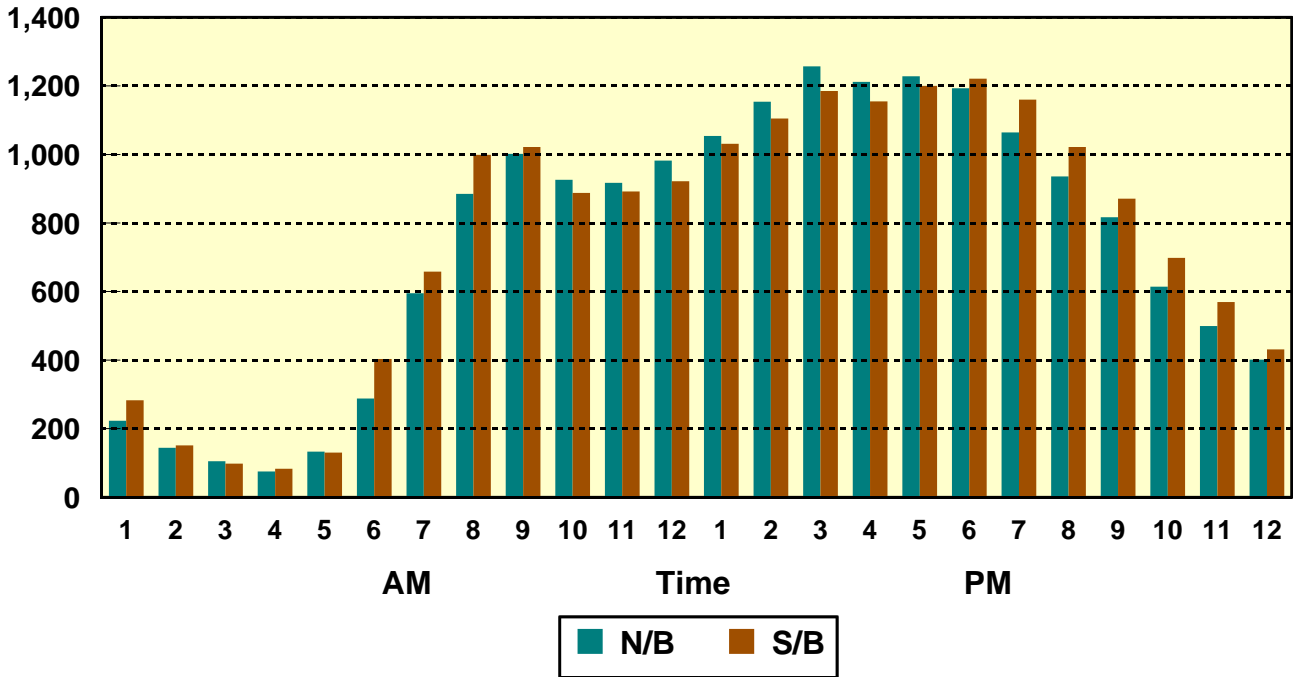
Hourly Vehicular Volumes Cropsey Avenue Bridge - 2008

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	223	---	---	---	---	---	283
1-2am	---	---	---	---	---	144	---	---	---	---	---	151
2-3am	---	---	---	---	---	105	---	---	---	---	---	98
3-4am	---	---	---	---	---	75	---	---	---	---	---	83
4-5am	---	---	---	---	---	133	---	---	---	---	---	130
5-6am	---	---	---	---	---	288	---	---	---	---	---	403
6-7am	---	---	---	---	---	595	---	---	---	---	---	658
7-8am	712	63	2	38	70	885	828	89	0	48	34	999
8-9am	836	55	3	51	57	1,002	868	70	2	48	34	1,022
9-10am	740	49	1	49	87	926	687	82	3	49	67	888
10-11am	804	45	0	28	40	917	791	26	0	35	40	892
11-12am	813	28	0	75	66	982	734	27	1	77	83	922
12-1pm	925	50	0	35	44	1,054	944	33	0	29	25	1,031
1-2pm	991	74	0	38	51	1,154	998	38	1	25	43	1,105
2-3pm	992	96	4	75	90	1,257	982	56	0	66	81	1,185
3-4pm	1,036	98	1	34	43	1,212	993	79	2	26	55	1,155
4-5pm	1,041	47	0	62	78	1,228	1,018	58	0	28	96	1,200
5-6pm	1,036	13	0	65	79	1,193	1,034	22	10	48	107	1,221
6-7pm	949	24	0	39	52	1,064	1,058	8	0	17	77	1,160
7-8pm	---	---	---	---	---	936	---	---	---	---	---	1,022
8-9pm	---	---	---	---	---	817	---	---	---	---	---	871
9-10pm	---	---	---	---	---	614	---	---	---	---	---	698
10-11pm	---	---	---	---	---	499	---	---	---	---	---	569
11-12pm	---	---	---	---	---	401	---	---	---	---	---	431
Totals	---	---	---	---	---	17,704	---	---	---	---	---	18,177
7-10am	2,288	167	6	138	214	2,813	2,383	241	5	145	135	2,909
10am-1pm	2,542	123	0	138	150	2,953	2,469	86	1	141	148	2,845
1-4pm	3,019	268	5	147	184	3,623	2,973	173	3	117	179	3,445
4-7pm	3,026	84	0	166	209	3,485	3,110	88	10	93	280	3,581
7am-7pm	10,875	642	11	589	757	12,874	10,935	588	19	496	742	12,780

Based on 1989 Classification Survey Data

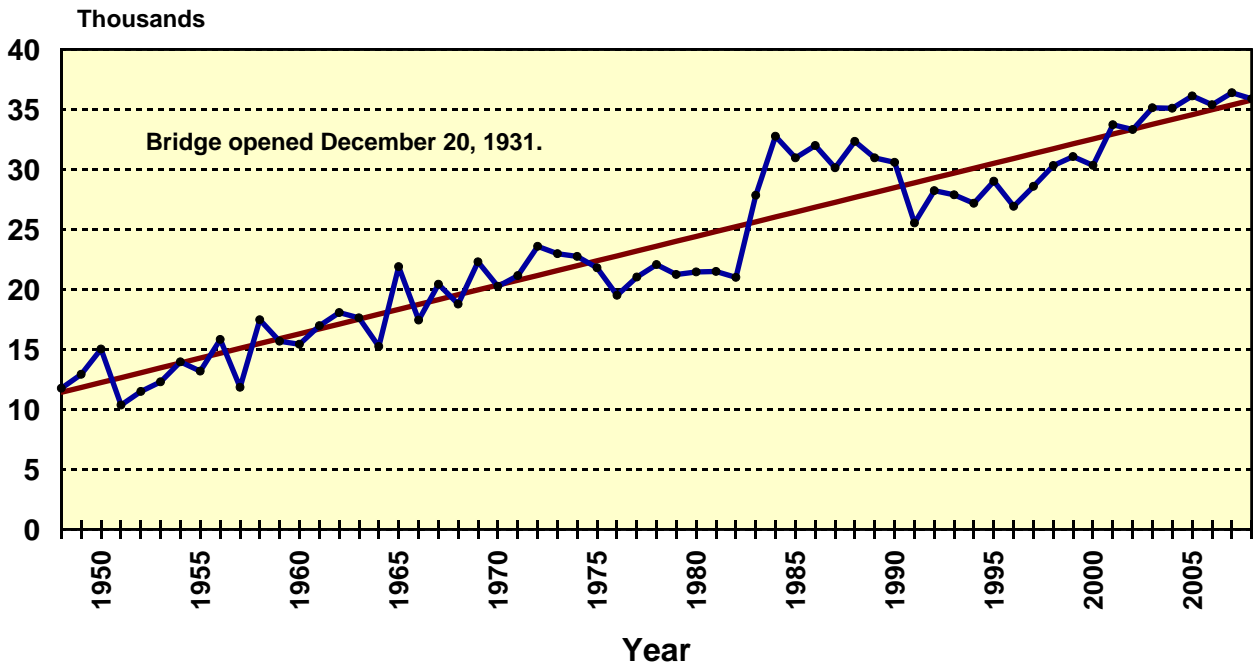
** Peak Volumes

Hourly Vehicular Volumes Cropsey Avenue Bridge - 2008



Average Daily Traffic Volumes Cropsey Avenue Bridge

1948-2008 Growth Rate = 1.9%



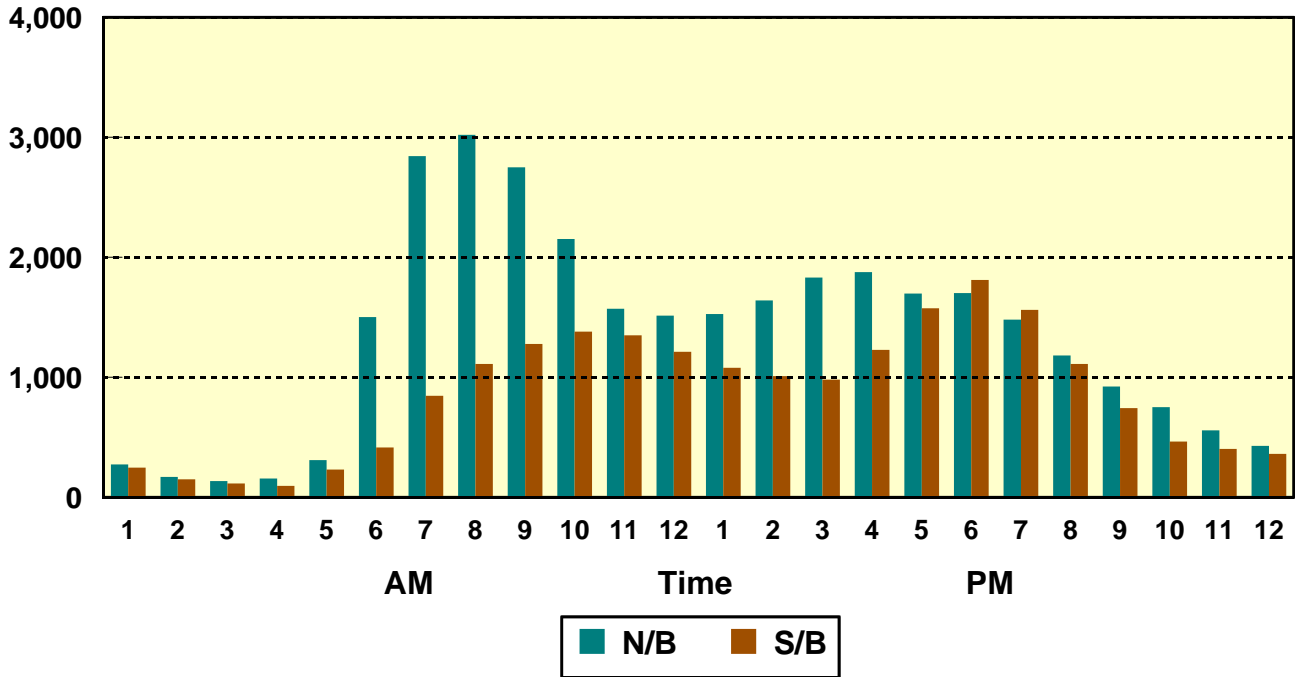
Hourly Vehicular Volumes Hamilton Avenue Bridge - 2008

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	273	---	---	---	---	---	246
1-2am	---	---	---	---	---	169	---	---	---	---	---	150
2-3am	---	---	---	---	---	134	---	---	---	---	---	115
3-4am	---	---	---	---	---	156	---	---	---	---	---	95
4-5am	---	---	---	---	---	310	---	---	---	---	---	231
5-6am	---	---	---	---	---	1,501	---	---	---	---	---	415
6-7am	---	---	---	---	---	2,844	---	---	---	---	---	845
7-8am	2,447	35	45	226	267	3,020	394	41	165	339	171	1,110
8-9am	2,167	13	40	242	289	2,751	718	41	69	287	162	1,277
9-10am	1,659	24	29	221	220	2,153	563	53	98	473	192	1,379
10-11am	1,344	11	13	104	98	1,570	946	35	56	200	112	1,349
11-12am	1,162	13	16	163	159	1,513	524	21	122	316	229	1,212
12-1pm	1,376	8	8	71	63	1,526	820	6	53	118	81	1,078
1-2pm	1,430	22	9	108	70	1,639	731	11	41	138	89	1,010
2-3pm	1,357	48	19	211	196	1,831	414	11	96	245	214	980
3-4pm	1,590	60	9	116	101	1,876	985	13	57	93	79	1,227
4-5pm	1,352	45	12	140	148	1,697	1,141	10	117	151	155	1,574
5-6pm	1,405	14	13	148	121	1,701	1,447	8	92	98	165	1,810
6-7pm	1,273	6	12	69	120	1,480	1,292	8	91	70	100	1,561
7-8pm	---	---	---	---	---	1,181	---	---	---	---	---	1,111
8-9pm	---	---	---	---	---	923	---	---	---	---	---	743
9-10pm	---	---	---	---	---	751	---	---	---	---	---	464
10-11pm	---	---	---	---	---	557	---	---	---	---	---	403
11-12pm	---	---	---	---	---	428	---	---	---	---	---	362
Totals	---	---	---	---	---	31,984	---	---	---	---	---	20,747
7-10am	6,273	72	114	689	776	7,924	1,675	135	332	1,099	525	3,766
10am-1pm	3,882	32	37	338	320	4,609	2,290	62	231	634	422	3,639
1-4pm	4,377	130	37	435	367	5,346	2,130	35	194	476	382	3,217
4-7pm	4,030	65	37	357	389	4,878	3,880	26	300	319	420	4,945
7am-7pm	18,562	299	225	1,819	1,852	22,757	9,975	258	1,057	2,528	1,749	15,567

Based on 1989 Classification Survey Data

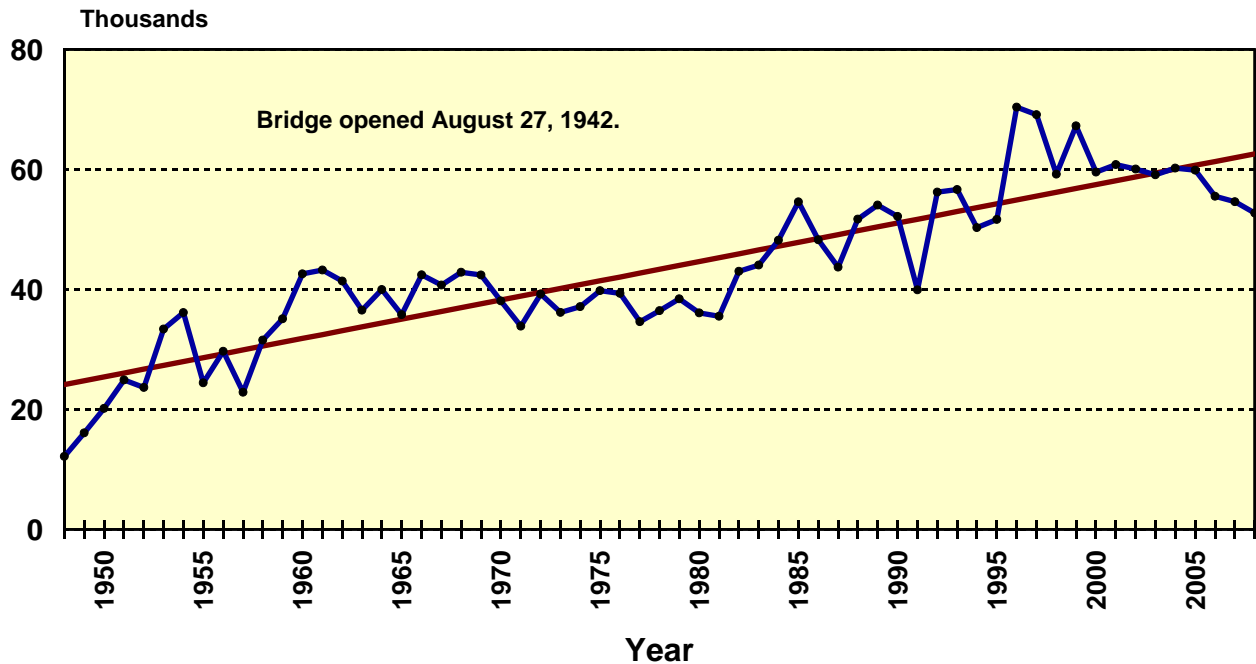
** Peak Volumes

Hourly Vehicular Volumes Hamilton Avenue Bridge - 2008



Average Daily Traffic Volumes Hamilton Avenue Bridge

1948-2008 Growth Rate = 1.6%



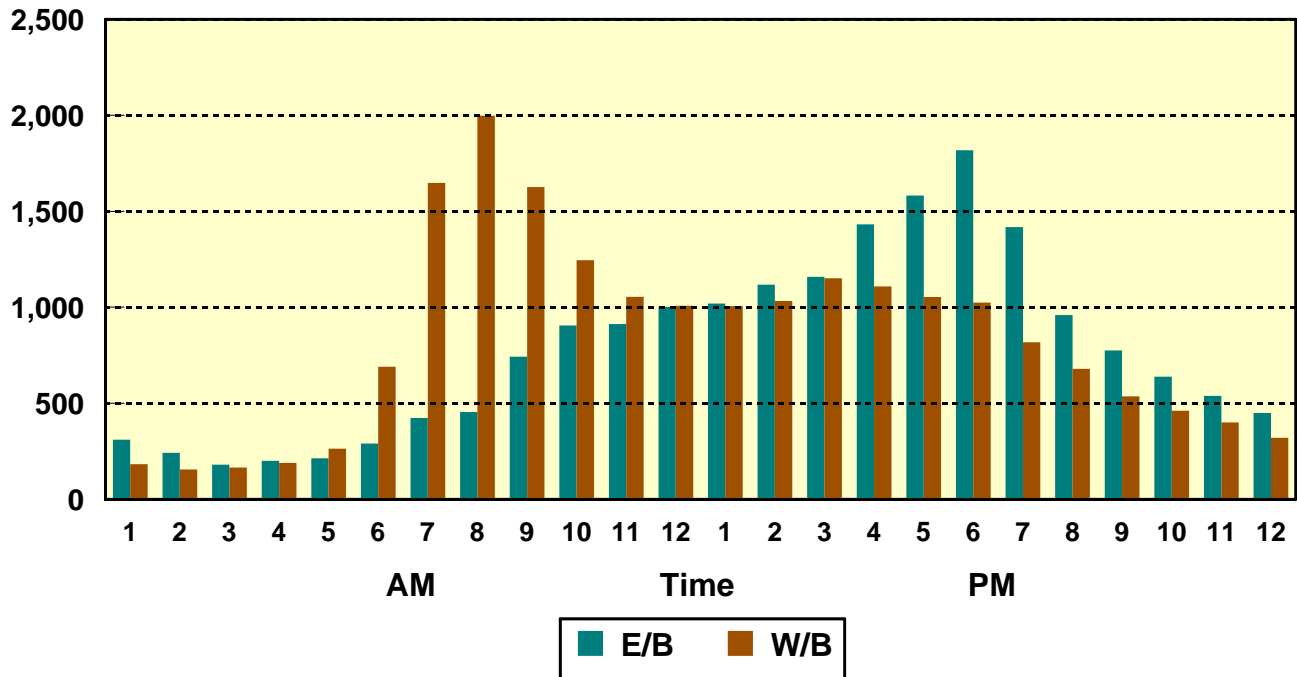
Hourly Vehicular Volumes Metropolitan Avenue Bridge - 2008

	<i>Eastbound</i>					<i>Westbound</i>					2-Way Totals		
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans	Totals
12-1am	---	---	---	---	---	310	---	---	---	---	---	182	
1-2am	---	---	---	---	---	241	---	---	---	---	---	155	
2-3am	---	---	---	---	---	180	---	---	---	---	---	165	
3-4am	---	---	---	---	---	200	---	---	---	---	---	189	
4-5am	---	---	---	---	---	213	---	---	---	---	---	263	
5-6am	---	---	---	---	---	290	---	---	---	---	---	690	
6-7am	---	---	---	---	---	423	---	---	---	---	---	1,648	
7-8am	340	9	9	73	23	454	1,479	42	82	113	1,998	**	
8-9am	479	14	19	154	77	743	1,143	18	53	122	1,627		
9-10am	467	40	24	267	107	905	755	35	40	109	1,245		
10-11am	747	8	12	105	40	912	874	19	26	34	1,054		
11-12am	590	17	28	281	86	1,002	631	17	46	80	1,007		
12-1pm	838	17	19	110	35	1,019	817	16	26	37	1,006		
1-2pm	908	31	10	113	56	1,118	858	23	22	40	1,032		
2-3pm	803	14	32	210	99	1,158	791	19	34	95	1,151		
3-4pm	1,201	16	31	126	58	1,432	909	22	18	52	1,108		
4-5pm	1,168	39	65	179	131	1,582	804	14	27	68	1,053		
5-6pm	1,381	16	86	187	148	1,818	799	10	53	74	1,024	**	
6-7pm	1,125	13	61	125	94	1,418	684	11	38	40	817		
7-8pm	---	---	---	---	---	959	---	---	---	---	679		
8-9pm	---	---	---	---	---	775	---	---	---	---	536		
9-10pm	---	---	---	---	---	638	---	---	---	---	461		
10-11pm	---	---	---	---	---	538	---	---	---	---	400		
11-12pm	---	---	---	---	---	449	---	---	---	---	320		
Totals	---	---	---	---	---	18,777	---	---	---	---	---	19,810	
7-10am	1,286	63	52	494	207	2,102	3,377	95	175	879	344	4,870	
10am-1pm	2,175	42	59	496	161	2,933	2,322	52	98	444	151	3,067	
1-4pm	2,912	61	73	449	213	3,708	2,558	64	74	408	187	3,291	
4-7pm	3,674	68	212	491	373	4,818	2,287	35	118	272	182	2,894	
7am-7pm	10,047	234	396	1,930	954	13,561	10,544	246	465	2,003	864	14,122	

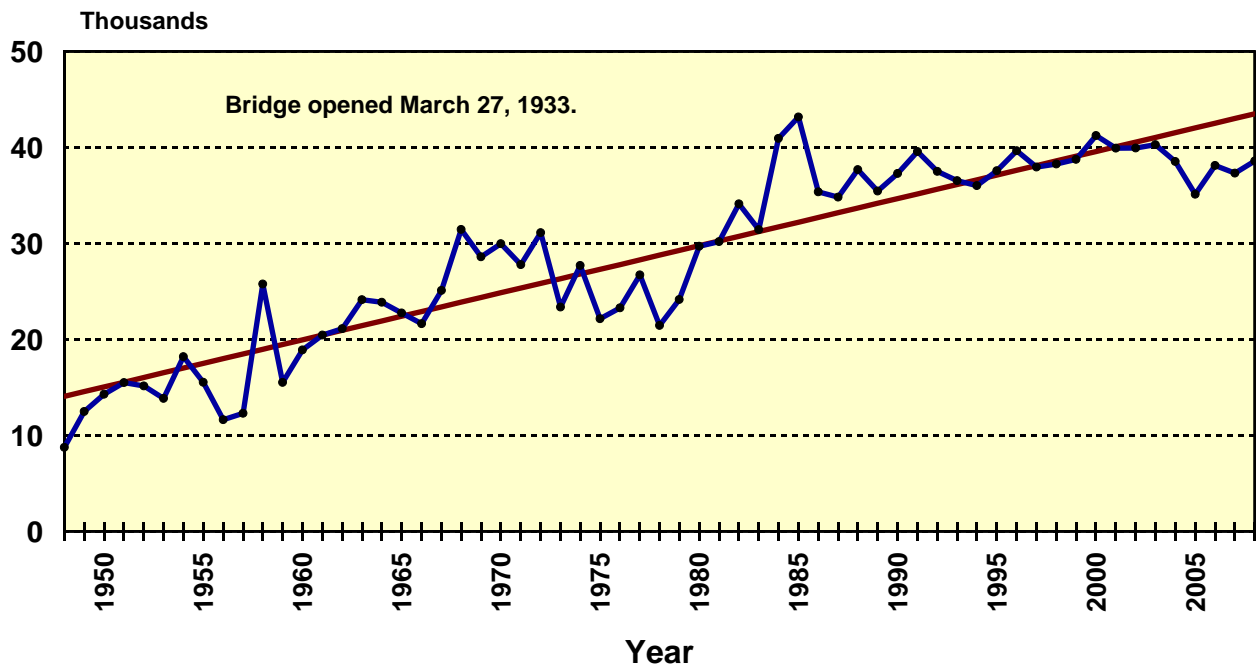
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Metropolitan Avenue Bridge - 2008



Average Daily Traffic Volumes Metropolitan Avenue Bridge 1948-2008 Growth Rate = 1.9%



Hourly Vehicular Volumes Mill Basin Bridge - 2008

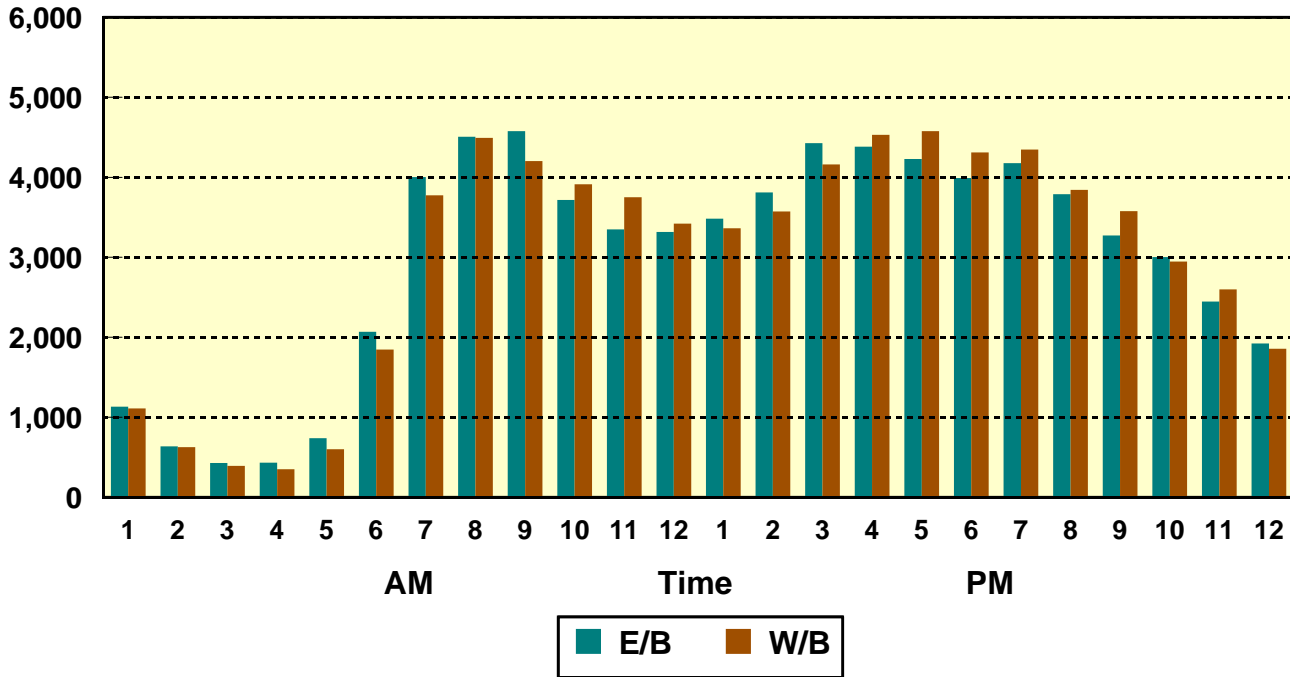
	<i>Eastbound</i>					<i>Westbound</i>					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	1,133	---	---	---	---	---	1,110
1-2am	---	---	---	---	---	636	---	---	---	---	---	626
2-3am	---	---	---	---	---	427	---	---	---	---	---	391
3-4am	---	---	---	---	---	432	---	---	---	---	---	350
4-5am	---	---	---	---	---	737	---	---	---	---	---	599
5-6am	---	---	---	---	---	2,067	---	---	---	---	---	1,846
6-7am	---	---	---	---	---	4,005	---	---	---	---	---	3,776
7-8am	4,194	59	22	5	228	4,508	4,185	19	0	131	159	4,494
8-9am	4,332	17	15	16	198	4,578	3,848	49	0	112	196	4,205
9-10am	3,424	9	16	23	245	3,717	3,552	69	1	108	183	3,913
10-11am	3,229	8	11	13	88	3,349	3,627	18	0	39	66	3,750
11-12am	2,935	4	64	30	285	3,318	3,089	0	5	164	163	3,421
12-1pm	3,326	5	21	15	116	3,483	3,169	0	0	74	121	3,364
1-2pm	3,566	98	15	13	119	3,811	3,446	10	0	38	80	3,574
2-3pm	4,012	42	28	17	328	4,427	3,856	7	0	118	180	4,161
3-4pm	4,187	24	16	6	151	4,384	4,255	76	0	83	117	4,531
4-5pm	3,936	13	38	7	235	4,229	4,204	42	2	131	199	4,578
5-6pm	3,774	5	16	13	183	3,991	3,989	30	3	129	160	4,311
6-7pm	3,951	4	16	5	202	4,178	4,079	3	1	108	157	4,348
7-8pm	---	---	---	---	---	3,789	---	---	---	---	---	3,844
8-9pm	---	---	---	---	---	3,275	---	---	---	---	---	3,577
9-10pm	---	---	---	---	---	3,002	---	---	---	---	---	2,945
10-11pm	---	---	---	---	---	2,446	---	---	---	---	---	2,597
11-12pm	---	---	---	---	---	1,921	---	---	---	---	---	1,856
Totals	---	---	---	---	---	71,843	---	---	---	---	---	72,167
7-10am	11,950	85	53	44	671	12,803	11,585	137	1	351	538	12,612
10am-1pm	9,490	17	96	58	489	10,150	9,885	18	5	277	350	10,535
1-4pm	11,765	164	59	36	598	12,622	11,557	93	0	239	377	12,266
4-7pm	11,661	22	70	25	620	12,398	12,272	75	6	368	516	13,237
7am-7pm	44,866	288	278	163	2,378	47,973	45,299	323	12	1,235	1,781	48,650

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes

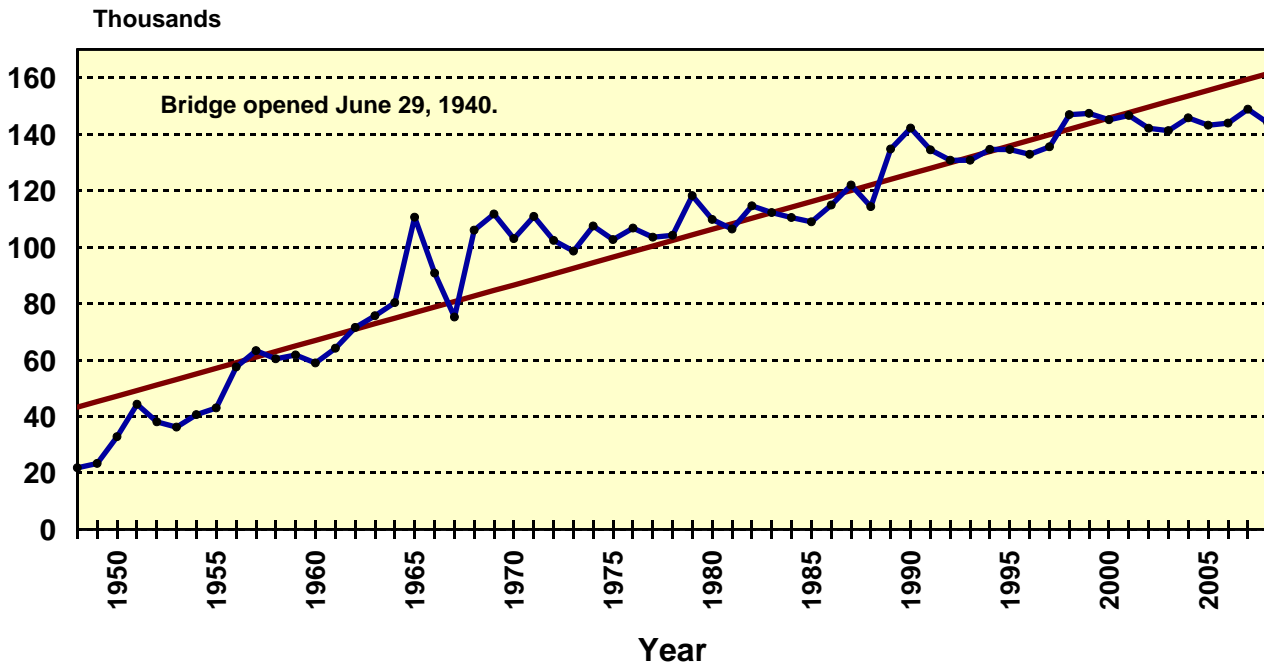
Mill Basin Bridge - 2008



Average Daily Traffic Volumes

Mill Basin Bridge

1948-2008 Growth Rate = 2.2%



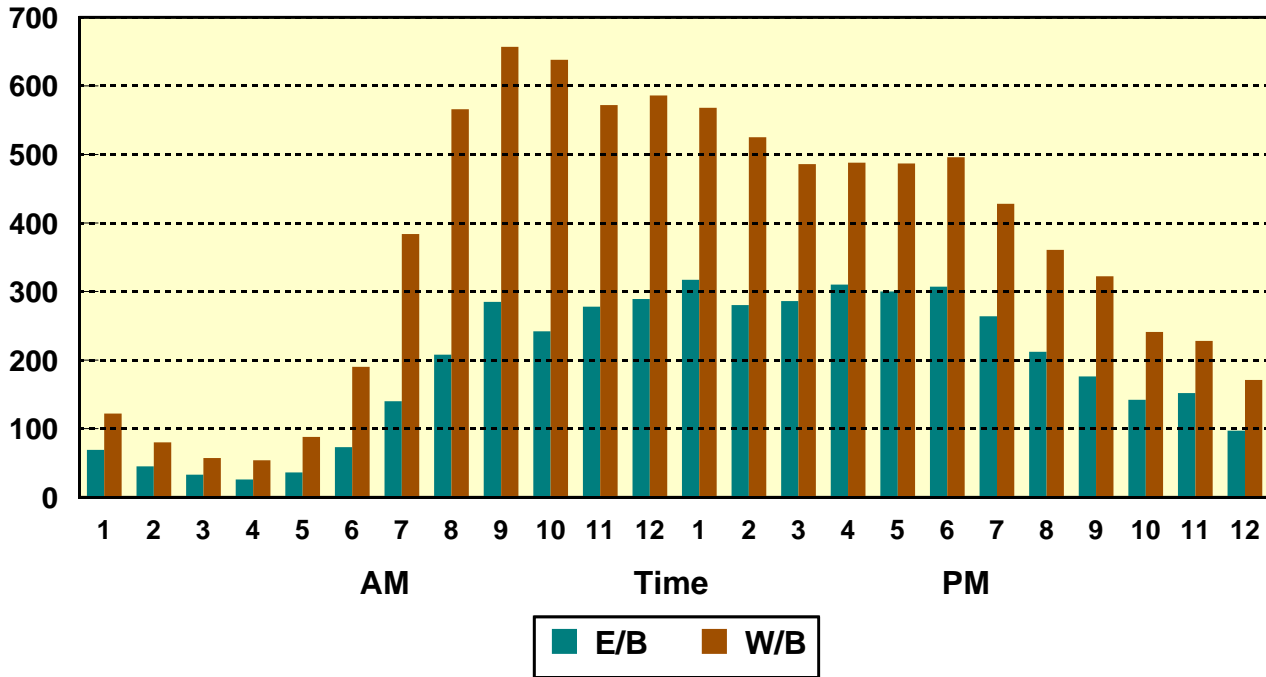
Hourly Vehicular Volumes Ninth Street Bridge - 2008

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	69	---	---	---	---	---	122
1-2am	---	---	---	---	---	45	---	---	---	---	---	80
2-3am	---	---	---	---	---	33	---	---	---	---	---	57
3-4am	---	---	---	---	---	26	---	---	---	---	---	54
4-5am	---	---	---	---	---	36	---	---	---	---	---	88
5-6am	---	---	---	---	---	73	---	---	---	---	---	190
6-7am	---	---	---	---	---	140	---	---	---	---	---	384
7-8am	153	21	5	17	12	208	458	12	0	52	44	566
8-9am	176	25	11	55	18	285	549	6	0	57	45	657
9-10am	153	18	4	46	21	242	536	13	0	55	34	638
10-11am	216	21	4	24	13	278	517	12	0	23	20	572
11-12am	193	18	12	54	12	289	368	40	0	122	56	586
12-1pm	243	15	14	31	14	317	374	40	0	104	50	568
1-2pm	135	16	18	93	18	280	396	10	53	33	33	525
2-3pm	175	19	13	57	22	286	376	21	18	41	30	486
3-4pm	250	16	3	24	17	310	408	24	0	35	21	488
4-5pm	226	13	6	33	22	300	375	16	0	59	37	487
5-6pm	237	20	1	36	13	307	420	28	0	28	20	496
6-7pm	181	17	1	47	18	264	387	13	0	17	11	428
7-8pm	---	---	---	---	---	212	---	---	---	---	---	361
8-9pm	---	---	---	---	---	176	---	---	---	---	---	322
9-10pm	---	---	---	---	---	142	---	---	---	---	---	241
10-11pm	---	---	---	---	---	152	---	---	---	---	---	228
11-12pm	---	---	---	---	---	97	---	---	---	---	---	171
Totals	---	---	---	---	---	4,567	---	---	---	---	---	8,795
7-10am	482	64	20	118	51	735	1,543	31	0	164	123	1,861
10am-1pm	652	54	30	109	39	884	1,259	92	0	249	126	1,726
1-4pm	560	51	34	174	57	876	1,180	55	71	109	84	1,499
4-7pm	644	50	8	116	53	871	1,182	57	0	104	68	1,411
7am-7pm	2,338	219	92	517	200	3,366	5,164	235	71	626	401	6,497
Totals	---	---	---	---	---	4,567	---	---	---	---	---	8,795
Totals	13,362											

Based on 1989 Classification Survey Data

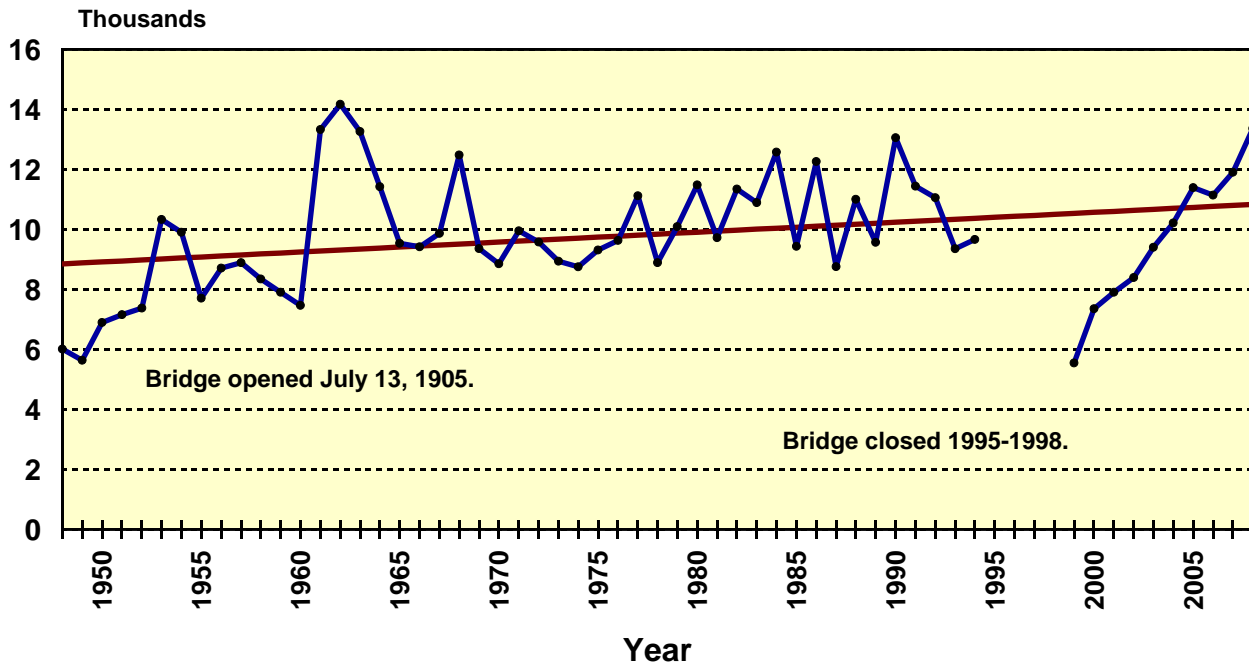
** Peak Volumes

Hourly Vehicular Volumes Ninth Street Bridge - 2008



Average Daily Traffic Volumes Ninth Street Bridge

1948-2008 Growth Rate = 0.3%



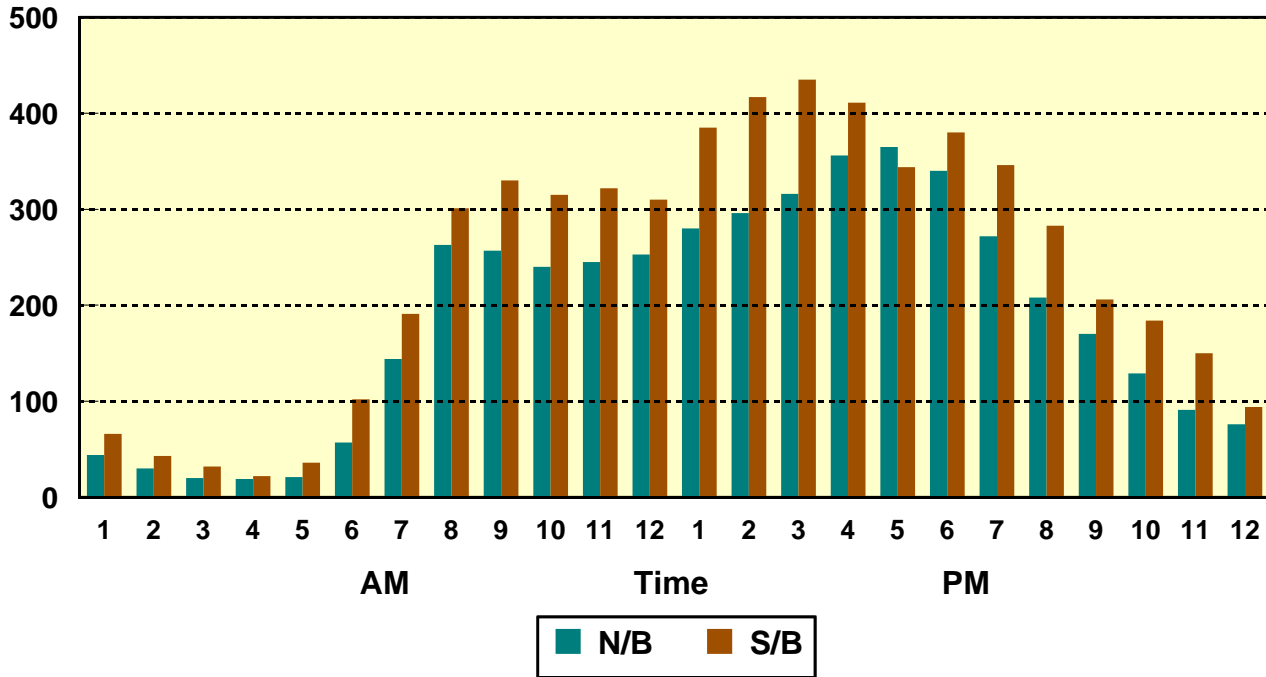
Hourly Vehicular Volumes Stillwell Avenue Bridge - 2008

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	44	---	---	---	---	---	66
1-2am	---	---	---	---	---	30	---	---	---	---	---	43
2-3am	---	---	---	---	---	20	---	---	---	---	---	32
3-4am	---	---	---	---	---	19	---	---	---	---	---	22
4-5am	---	---	---	---	---	21	---	---	---	---	---	36
5-6am	---	---	---	---	---	57	---	---	---	---	---	102
6-7am	---	---	---	---	---	144	---	---	---	---	---	191
7-8am	210	19	0	34	0	263	234	51	0	16	0	301
8-9am	195	26	0	36	0	257	273	36	0	21	0	330
9-10am	179	28	0	33	0	240	205	19	0	91	0	315
10-11am	175	27	0	43	0	245	232	25	0	65	0	322
11-12am	190	10	0	53	0	253	249	15	0	46	0	310
12-1pm	196	13	0	71	0	280	309	22	0	54	0	385
1-2pm	200	22	0	74	0	296	303	26	0	88	0	417
2-3pm	226	27	0	63	0	316	284	33	0	118	0	435
3-4pm	276	37	0	43	0	356	334	22	0	55	0	411
4-5pm	282	38	0	45	0	365	278	21	0	45	0	344
5-6pm	297	23	0	20	0	340	324	20	0	36	0	380
6-7pm	235	25	0	12	0	272	304	28	0	14	0	346
7-8pm	---	---	---	---	---	208	---	---	---	---	---	283
8-9pm	---	---	---	---	---	170	---	---	---	---	---	206
9-10pm	---	---	---	---	---	129	---	---	---	---	---	184
10-11pm	---	---	---	---	---	91	---	---	---	---	---	150
11-12pm	---	---	---	---	---	76	---	---	---	---	---	94
Totals	---	---	---	---	---	4,492	---	---	---	---	---	5,705
7-10am	584	73	0	103	0	760	712	106	0	128	0	946
10am-1pm	561	50	0	167	0	778	790	62	0	165	0	1,017
1-4pm	702	86	0	180	0	968	921	81	0	261	0	1,263
4-7pm	814	86	0	77	0	977	906	69	0	95	0	1,070
7am-7pm	2,661	295	0	527	0	3,483	3,329	318	0	649	0	4,296

Based on 1989 Classification Survey Data

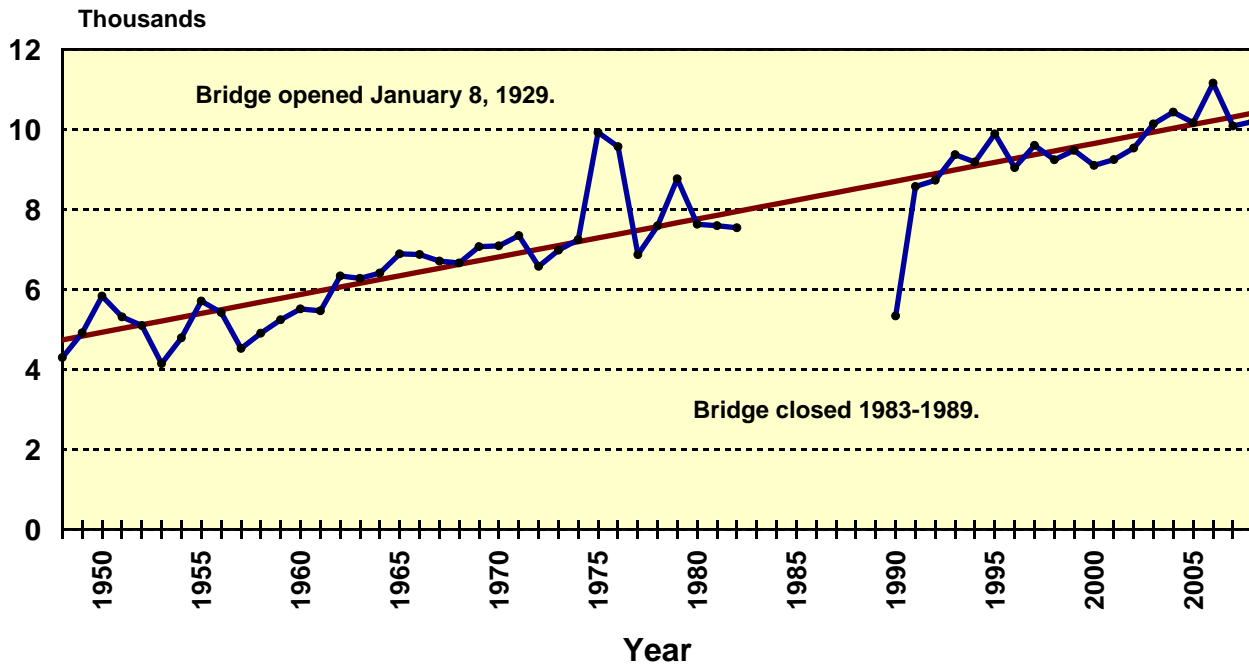
** Peak Volumes

Hourly Vehicular Volumes Stillwell Avenue Bridge - 2008



Average Daily Traffic Volumes Stillwell Avenue Bridge

1948-2008 Growth Rate = 1.3%



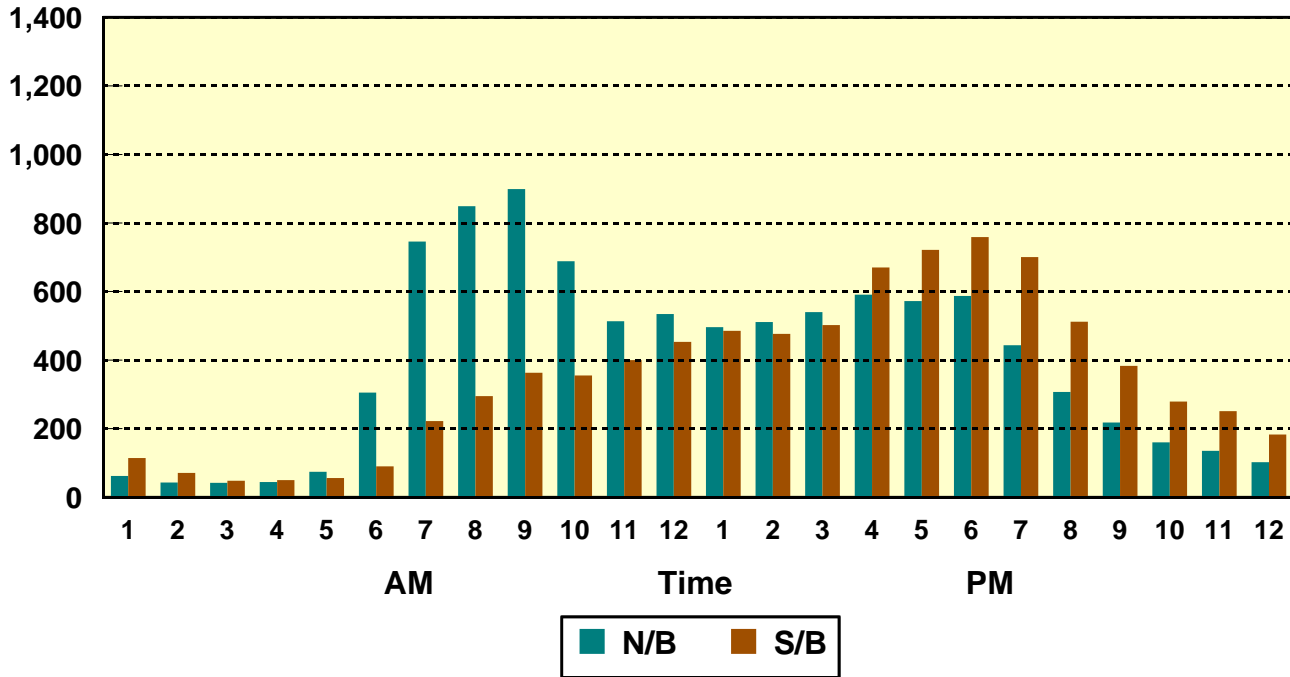
Hourly Vehicular Volumes Third Avenue Bridge - 2008

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	62	---	---	---	---	---	114
1-2am	---	---	---	---	---	43	---	---	---	---	---	71
2-3am	---	---	---	---	---	42	---	---	---	---	---	48
3-4am	---	---	---	---	---	44	---	---	---	---	---	50
4-5am	---	---	---	---	---	74	---	---	---	---	---	56
5-6am	---	---	---	---	---	305	---	---	---	---	---	90
6-7am	---	---	---	---	---	746	---	---	---	---	---	222
7-8am	672	13	0	95	69	849	218	6	0	40	31	295
8-9am	745	10	0	77	67	899	263	10	0	59	31	363
9-10am	436	8	0	145	99	688	248	7	2	59	39	355
10-11am	444	8	0	33	28	513	334	5	1	34	26	400
11-12am	390	8	1	84	51	534	340	5	0	64	44	453
12-1pm	446	3	0	27	20	496	429	4	1	27	24	485
1-2pm	405	8	0	57	41	511	412	5	0	32	27	476
2-3pm	351	15	0	101	73	540	366	6	0	82	48	502
3-4pm	490	13	0	47	41	591	609	6	0	24	31	670
4-5pm	446	8	0	57	61	572	585	7	0	60	70	722
5-6pm	513	6	0	27	41	587	657	4	0	43	55	759
6-7pm	383	9	0	30	21	443	596	5	0	43	57	701
7-8pm	---	---	---	---	---	307	---	---	---	---	---	512
8-9pm	---	---	---	---	---	218	---	---	---	---	---	383
9-10pm	---	---	---	---	---	160	---	---	---	---	---	279
10-11pm	---	---	---	---	---	135	---	---	---	---	---	251
11-12pm	---	---	---	---	---	102	---	---	---	---	---	183
Totals	---	---	---	---	---	9,461	---	---	---	---	---	8,440
7-10am	1,853	31	0	317	235	2,436	729	23	2	158	101	1,013
10am-1pm	1,280	19	1	144	99	1,543	1,103	14	2	125	94	1,338
1-4pm	1,246	36	0	205	155	1,642	1,387	17	0	138	106	1,648
4-7pm	1,342	23	0	114	123	1,602	1,838	16	0	146	182	2,182
7am-7pm	5,721	109	1	780	612	7,223	5,057	70	4	567	483	6,181

Based on 1989 Classification Survey Data

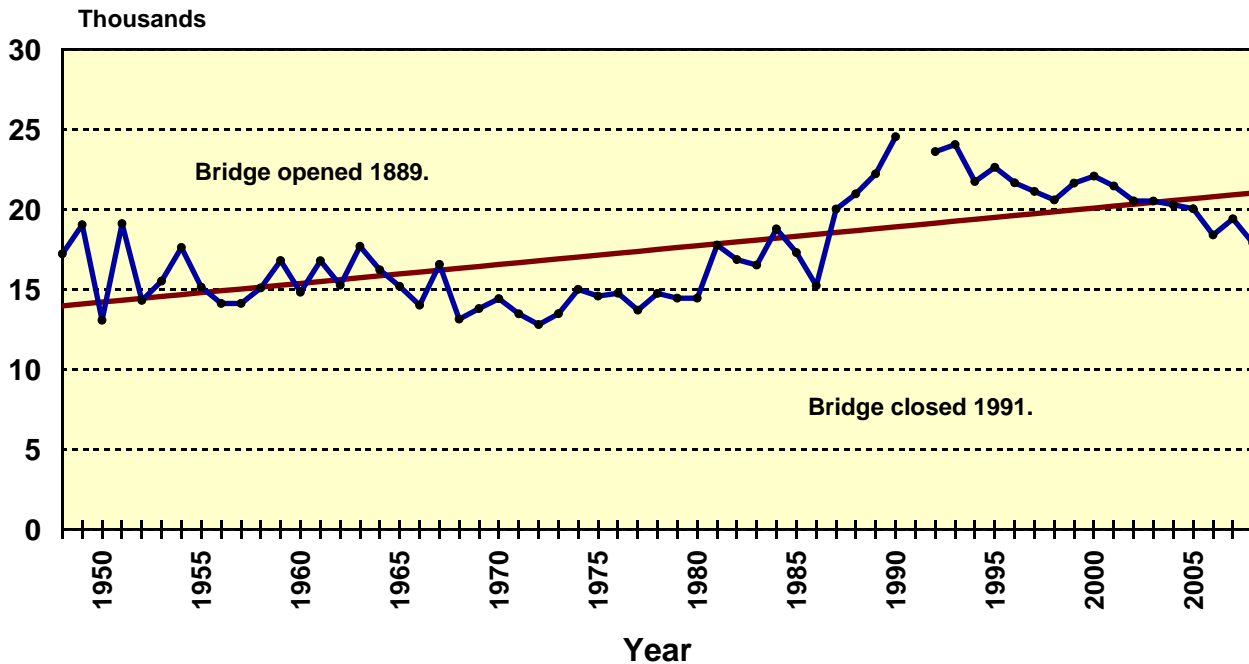
** Peak Volumes

Hourly Vehicular Volumes Third Avenue Bridge (Brooklyn) - 2008



Average Daily Traffic Volumes Third Avenue Bridge (Brooklyn)

1948-2008 Growth Rate = 0.7%



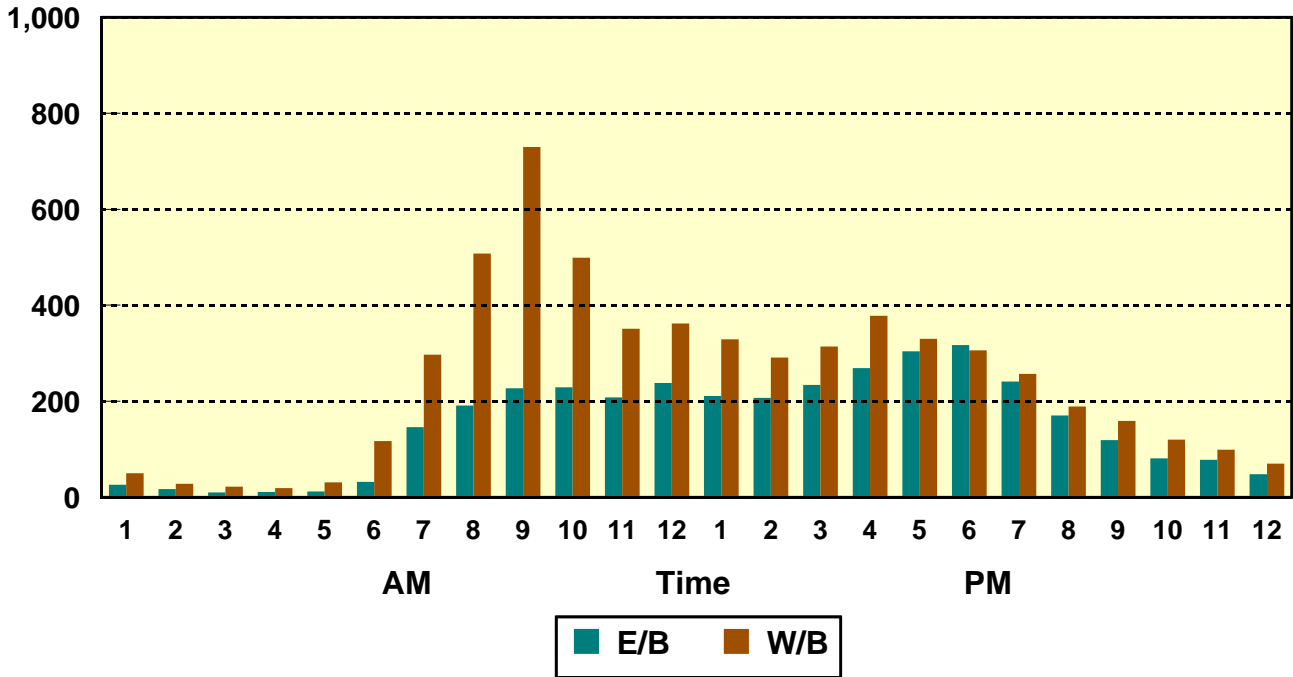
Hourly Vehicular Volumes Third Street Bridge - 2008

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	26	---	---	---	---	---	50
1-2am	---	---	---	---	---	17	---	---	---	---	---	28
2-3am	---	---	---	---	---	10	---	---	---	---	---	22
3-4am	---	---	---	---	---	11	---	---	---	---	---	19
4-5am	---	---	---	---	---	12	---	---	---	---	---	31
5-6am	---	---	---	---	---	32	---	---	---	---	---	117
6-7am	---	---	---	---	---	146	---	---	---	---	---	297
7-8am	150	6	0	19	16	191	433	10	5	25	35	508
8-9am	195	0	0	18	14	227	632	8	4	34	52	730
9-10am	174	0	0	24	31	229	415	1	1	38	44	499
10-11am	192	0	0	8	8	208	303	0	0	25	23	351
11-12am	193	0	2	31	12	238	237	3	2	64	56	362
12-1pm	191	0	0	9	11	211	287	3	0	24	15	329
1-2pm	199	0	0	0	8	207	235	10	11	19	16	291
2-3pm	211	0	0	14	9	234	210	6	32	48	18	314
3-4pm	247	9	0	9	4	269	317	11	17	22	11	378
4-5pm	274	0	0	10	20	304	260	3	19	35	13	330
5-6pm	281	0	0	13	23	317	262	3	14	27	0	306
6-7pm	232	0	0	7	2	241	212	4	22	17	2	257
7-8pm	---	---	---	---	---	170	---	---	---	---	---	189
8-9pm	---	---	---	---	---	119	---	---	---	---	---	159
9-10pm	---	---	---	---	---	81	---	---	---	---	---	120
10-11pm	---	---	---	---	---	78	---	---	---	---	---	99
11-12pm	---	---	---	---	---	48	---	---	---	---	---	70
Totals	---	---	---	---	---	3,626	---	---	---	---	---	5,856
7-10am	519	6	0	61	61	647	1,480	19	10	97	131	1,737
10am-1pm	576	0	2	48	31	657	827	6	2	113	94	1,042
1-4pm	657	9	0	23	21	710	762	27	60	89	45	983
4-7pm	787	0	0	30	45	862	734	10	55	79	15	893
7am-7pm	2,539	15	2	162	158	2,876	3,803	62	127	378	285	4,655

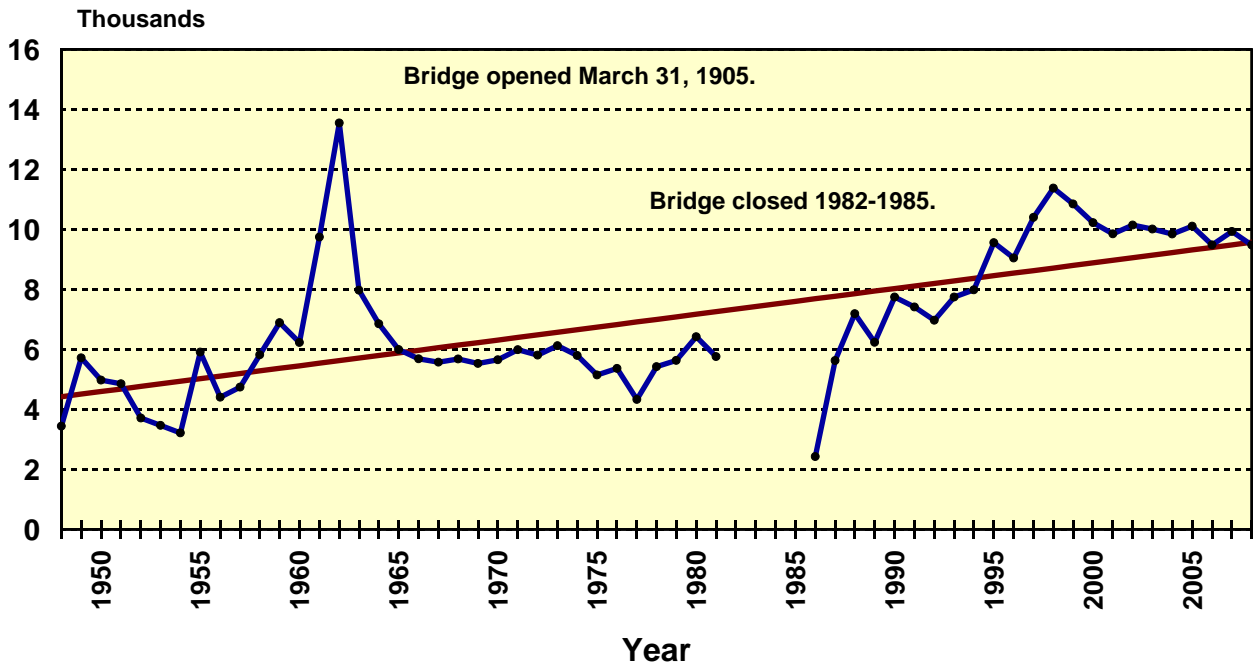
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Third Street Bridge - 2008



Average Daily Traffic Volumes Third Street Bridge 1948-2008 Growth Rate = 1.3%



Hourly Vehicular Volumes Union Street Bridge - 2008

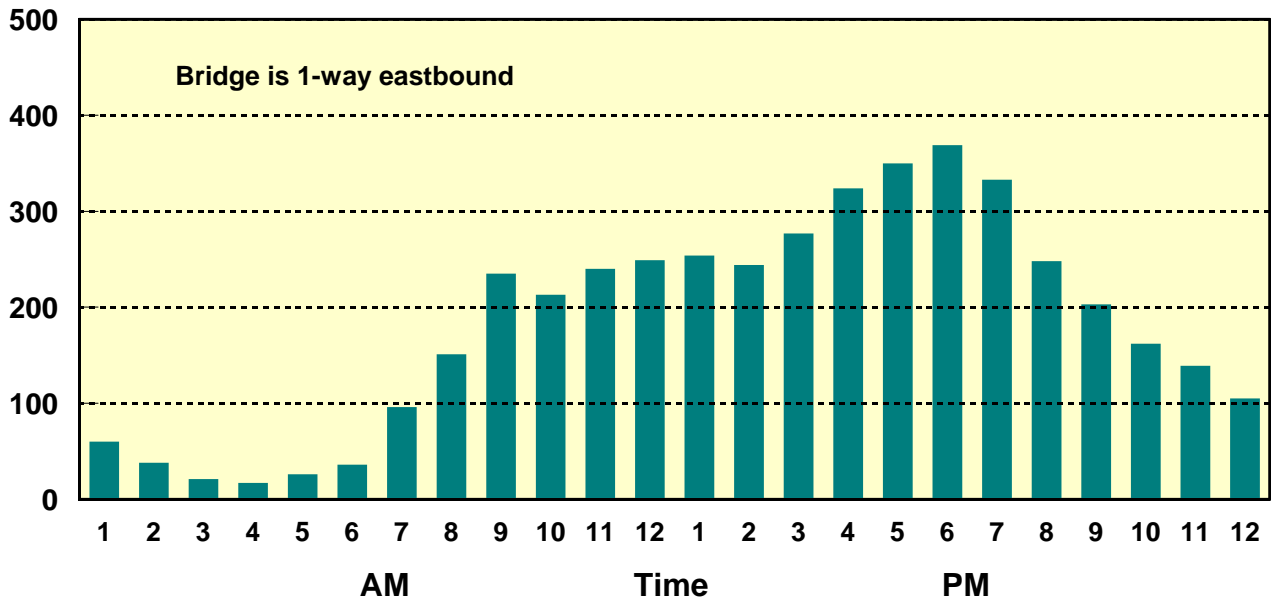
	Eastbound					Westbound					Grand Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	60	---	---	---	---	---	60
1-2am	---	---	---	---	---	38	---	---	---	---	---	38
2-3am	---	---	---	---	---	21	---	---	---	---	---	21
3-4am	---	---	---	---	---	17	---	---	---	---	---	17
4-5am	---	---	---	---	---	26	---	---	---	---	---	26
5-6am	---	---	---	---	---	36	---	---	---	---	---	36
6-7am	---	---	---	---	---	96	---	---	---	---	---	96
7-8am	119	7	0	12	13	151	---	---	---	---	---	151
8-9am	181	8	0	24	22	235	---	---	---	---	---	235
9-10am	159	4	0	17	33	213	---	---	---	---	---	213
10-11am	217	5	0	8	10	240	---	---	---	---	---	240
11-12am	199	2	0	23	25	249	---	---	---	---	---	249
12-1pm	222	1	0	10	21	254	---	---	---	---	---	254
1-2pm	213	5	0	13	13	244	---	---	---	---	---	244
2-3pm	207	4	0	38	28	277	---	---	---	---	---	277
3-4pm	295	3	0	14	12	324	---	---	---	---	---	324
4-5pm	303	2	0	20	25	350	---	---	---	---	---	350
5-6pm	343	1	0	7	18	369	---	---	---	---	---	369
6-7pm	294	1	0	16	22	333	---	---	---	---	---	333
7-8pm	---	---	---	---	---	248	---	---	---	---	---	248
8-9pm	---	---	---	---	---	203	---	---	---	---	---	203
9-10pm	---	---	---	---	---	162	---	---	---	---	---	162
10-11pm	---	---	---	---	---	139	---	---	---	---	---	139
11-12pm	---	---	---	---	---	105	---	---	---	---	---	105
Totals	---	---	---	---	---	4,390	---	---	---	---	---	4,390
7-10am	459	19	0	53	68	599	---	---	---	---	---	599
10am-1pm	638	8	0	41	56	743	---	---	---	---	---	743
1-4pm	715	12	0	65	53	845	---	---	---	---	---	845
4-7pm	940	4	0	43	65	1,052	---	---	---	---	---	1,052
7am-7pm	2,752	43	0	202	242	3,239	---	---	---	---	---	3,239

Bridge is 1-way eastbound

Based on 1989 Classification Survey Data

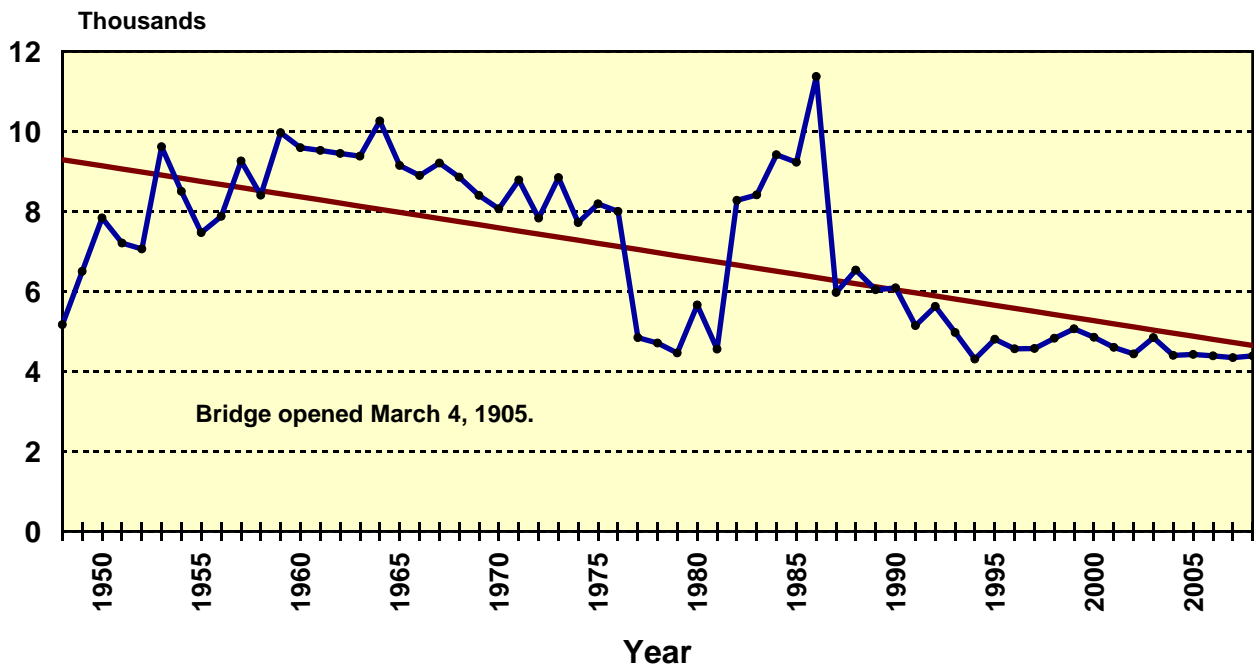
** Peak Volumes

Hourly Vehicular Volumes Union Street Bridge - 2008



Average Daily Traffic Volumes Union Street Bridge

1948-2008 Growth Rate = - 1.1%



Queens Bridges



**Queens Bridges ~ Average Daily Traffic Volumes
1948 - 2008**

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

* North Channel Bridge.

**Queens Bridges (cont'd) ~ Average Daily Traffic Volumes
1948 - 2008**

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

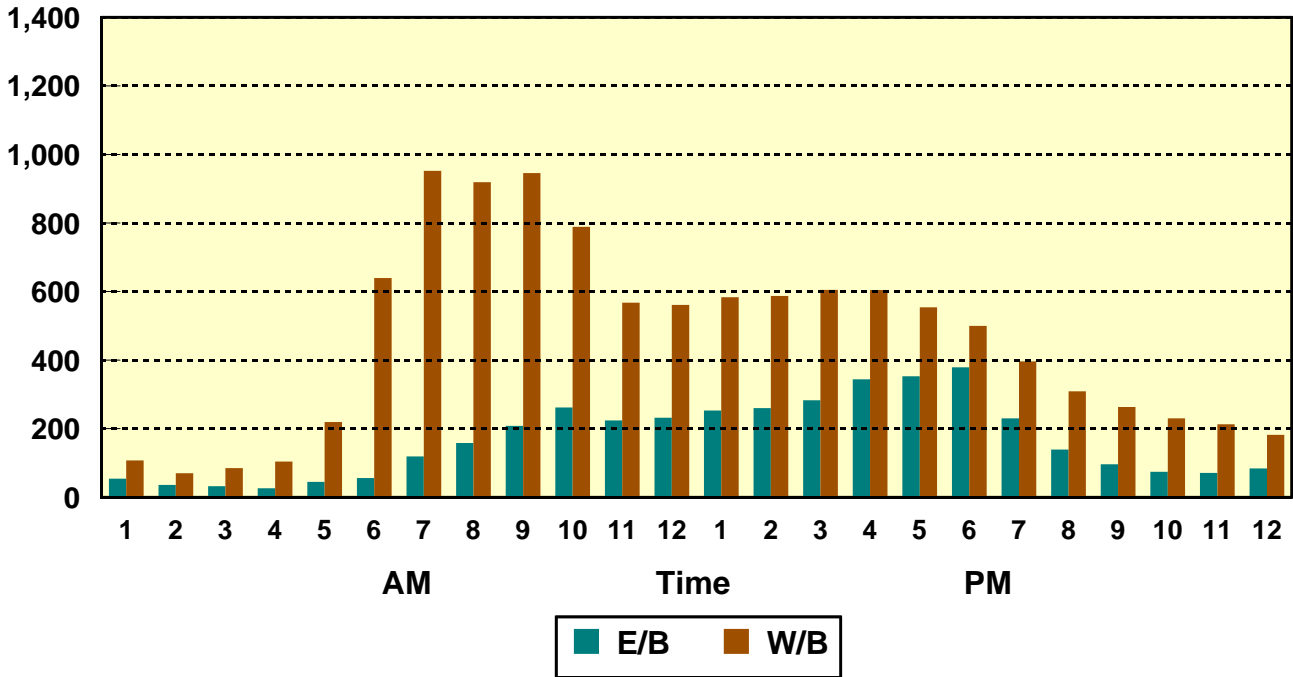
Hourly Vehicular Volumes Borden Avenue Bridge - 2008

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	54	---	---	---	---	---	107
1-2am	---	---	---	---	---	36	---	---	---	---	---	70
2-3am	---	---	---	---	---	32	---	---	---	---	---	85
3-4am	---	---	---	---	---	26	---	---	---	---	---	104
4-5am	---	---	---	---	---	45	---	---	---	---	---	219
5-6am	---	---	---	---	---	56	---	---	---	---	---	639
6-7am	---	---	---	---	---	119	---	---	---	---	---	952
7-8am	88	6	3	40	21	158	702	14	27	87	89	919
8-9am	101	6	5	65	31	208	813	9	12	78	34	946
9-10am	123	8	3	82	46	262	611	5	11	99	63	789
10-11am	154	4	7	41	18	224	496	9	4	44	14	567
11-12am	109	4	3	81	35	232	389	7	8	114	43	561
12-1pm	192	5	3	35	18	253	494	6	5	60	18	583
1-2pm	196	2	3	40	19	260	472	6	5	64	40	587
2-3pm	143	2	19	81	38	283	430	12	10	114	39	605
3-4pm	289	4	10	30	11	344	500	39	4	41	20	604
4-5pm	268	7	17	35	26	353	415	37	10	72	20	554
5-6pm	303	3	10	43	20	379	428	19	7	25	21	500
6-7pm	167	1	11	31	20	230	330	13	10	27	16	396
7-8pm	---	---	---	---	---	139	---	---	---	---	---	309
8-9pm	---	---	---	---	---	96	---	---	---	---	---	263
9-10pm	---	---	---	---	---	74	---	---	---	---	---	230
10-11pm	---	---	---	---	---	71	---	---	---	---	---	213
11-12pm	---	---	---	---	---	84	---	---	---	---	---	182
Totals	---	---	---	---	---	4,018	---	---	---	---	---	10,984
7-10am	312	20	11	187	98	628	2,126	28	50	264	186	2,654
10am-1pm	455	13	13	157	71	709	1,379	22	17	218	75	1,711
1-4pm	628	8	32	151	68	887	1,402	57	19	219	99	1,796
4-7pm	738	11	38	109	66	962	1,173	69	27	124	57	1,450
7am-7pm	2,133	52	94	604	303	3,186	6,080	176	113	825	417	7,611

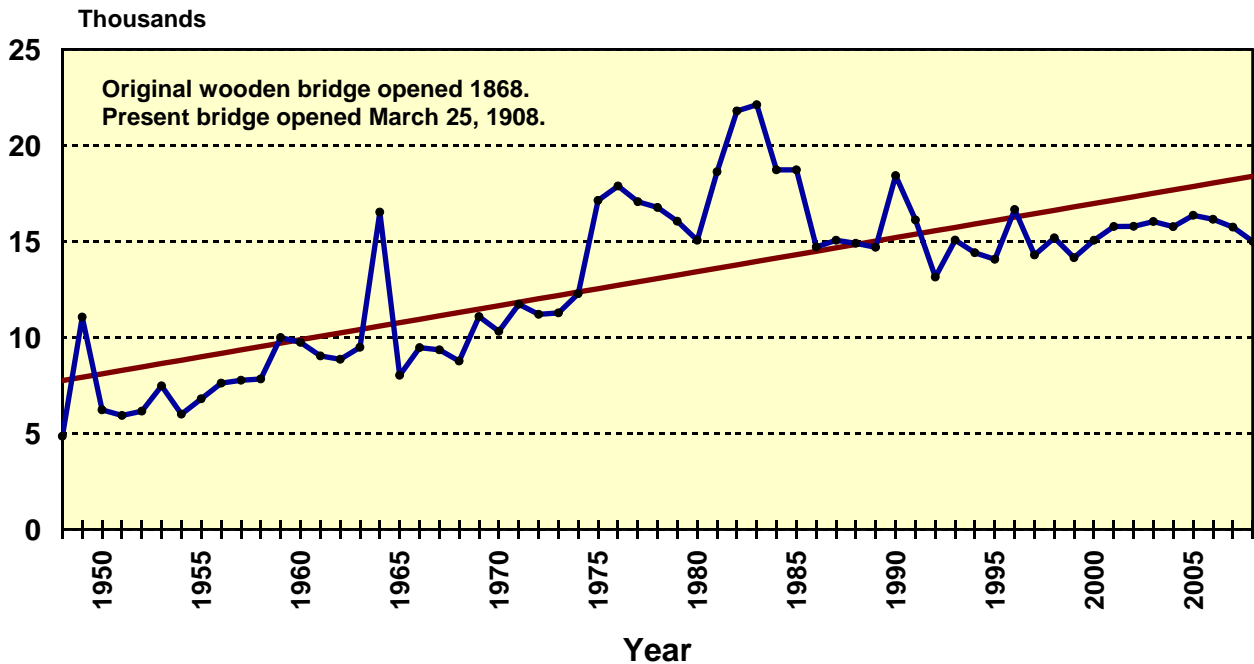
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Borden Avenue Bridge - 2008



Average Daily Traffic Volumes Borden Avenue Bridge 1948-2008 Growth Rate = 1.5%



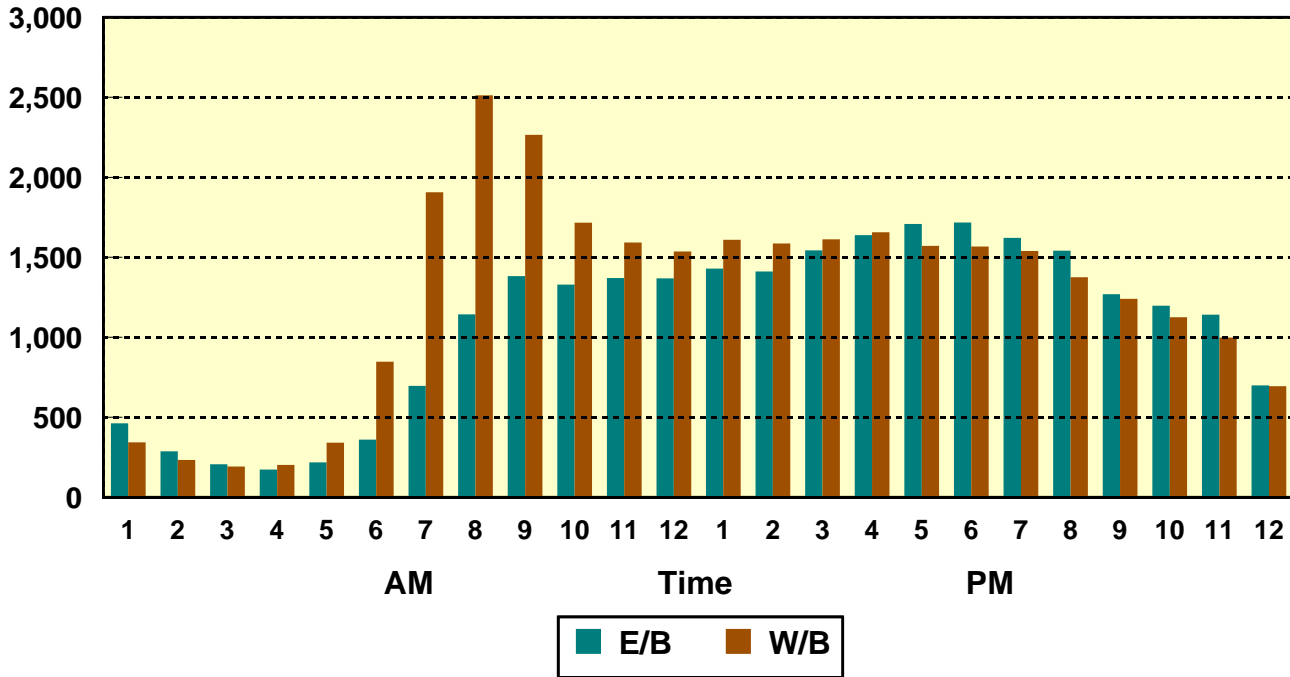
Hourly Vehicular Volumes Flushing Bridge - 2008

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	462	---	---	---	---	---	343
1-2am	---	---	---	---	---	287	---	---	---	---	---	233
2-3am	---	---	---	---	---	206	---	---	---	---	---	192
3-4am	---	---	---	---	---	173	---	---	---	---	---	202
4-5am	---	---	---	---	---	218	---	---	---	---	---	341
5-6am	---	---	---	---	---	360	---	---	---	---	---	847
6-7am	---	---	---	---	---	695	---	---	---	---	---	1,907
7-8am	910	40	6	79	108	1,143	2,115	13	53	101	231	2,513
8-9am	1,111	26	16	106	123	1,382	1,835	22	46	120	242	2,265
9-10am	1,088	12	27	117	85	1,329	1,304	9	52	134	218	1,717
10-11am	1,202	15	17	62	74	1,370	1,412	12	15	71	83	1,593
11-12am	1,043	7	40	103	175	1,368	1,243	2	24	117	150	1,536
12-1pm	1,267	7	22	52	81	1,429	1,433	6	6	74	91	1,610
1-2pm	1,211	17	14	55	114	1,411	1,445	13	22	66	41	1,587
2-3pm	1,087	24	29	116	288	1,544	1,342	21	54	103	93	1,613
3-4pm	1,408	17	15	44	155	1,639	1,515	29	21	49	43	1,657
4-5pm	1,373	12	26	54	244	1,709	1,389	11	30	56	85	1,571
5-6pm	1,441	11	13	42	211	1,718	1,379	6	45	50	88	1,568
6-7pm	1,406	7	8	30	171	1,622	1,429	8	15	37	51	1,540
7-8pm	---	---	---	---	---	1,541	---	---	---	---	---	1,375
8-9pm	---	---	---	---	---	1,269	---	---	---	---	---	1,240
9-10pm	---	---	---	---	---	1,197	---	---	---	---	---	1,125
10-11pm	---	---	---	---	---	1,141	---	---	---	---	---	998
11-12pm	---	---	---	---	---	699	---	---	---	---	---	694
Totals	---	---	---	---	---	25,912	---	---	---	---	---	30,267
7-10am	3,109	78	49	302	316	3,854	5,254	44	151	355	691	6,495
10am-1pm	3,512	29	79	217	330	4,167	4,088	20	45	262	324	4,739
1-4pm	3,706	58	58	215	557	4,594	4,302	63	97	218	177	4,857
4-7pm	4,220	30	47	126	626	5,049	4,197	25	90	143	224	4,679
7am-7pm	14,547	195	233	860	1,829	17,664	17,841	152	383	978	1,416	20,770

Based on 1989 Classification Survey Data

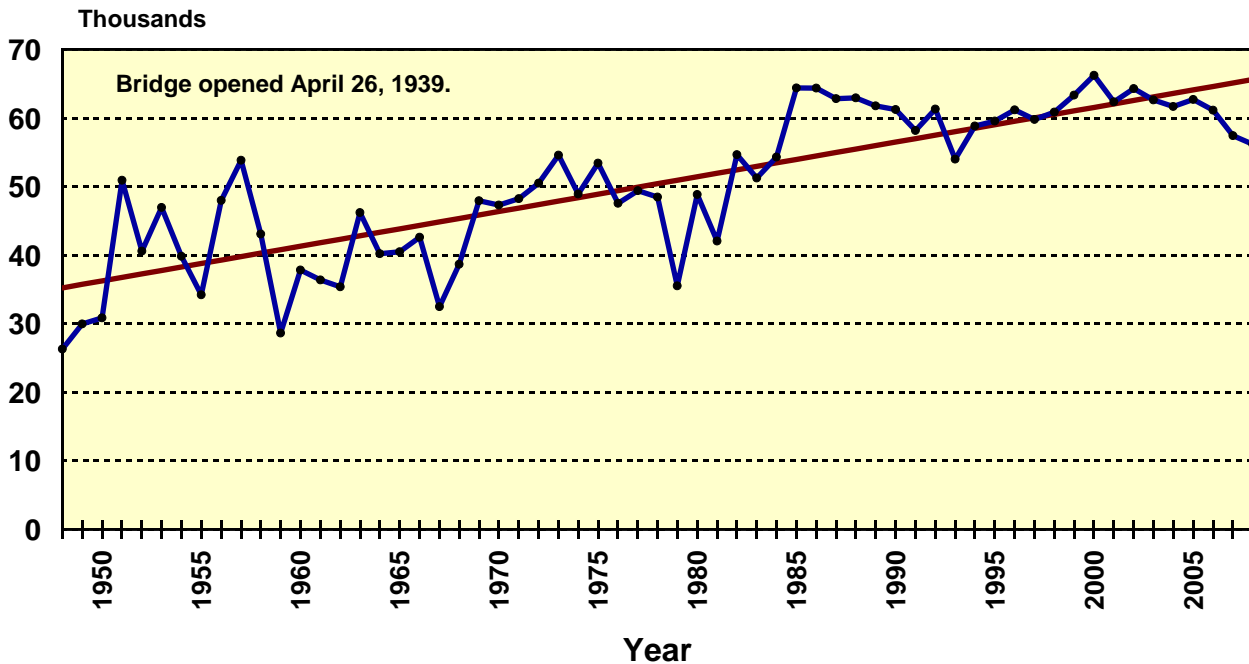
** Peak Volumes

Hourly Vehicular Volumes Flushing Bridge - 2008



Average Daily Traffic Volumes Flushing Bridge

1948-2008 Growth Rate = 1.0%



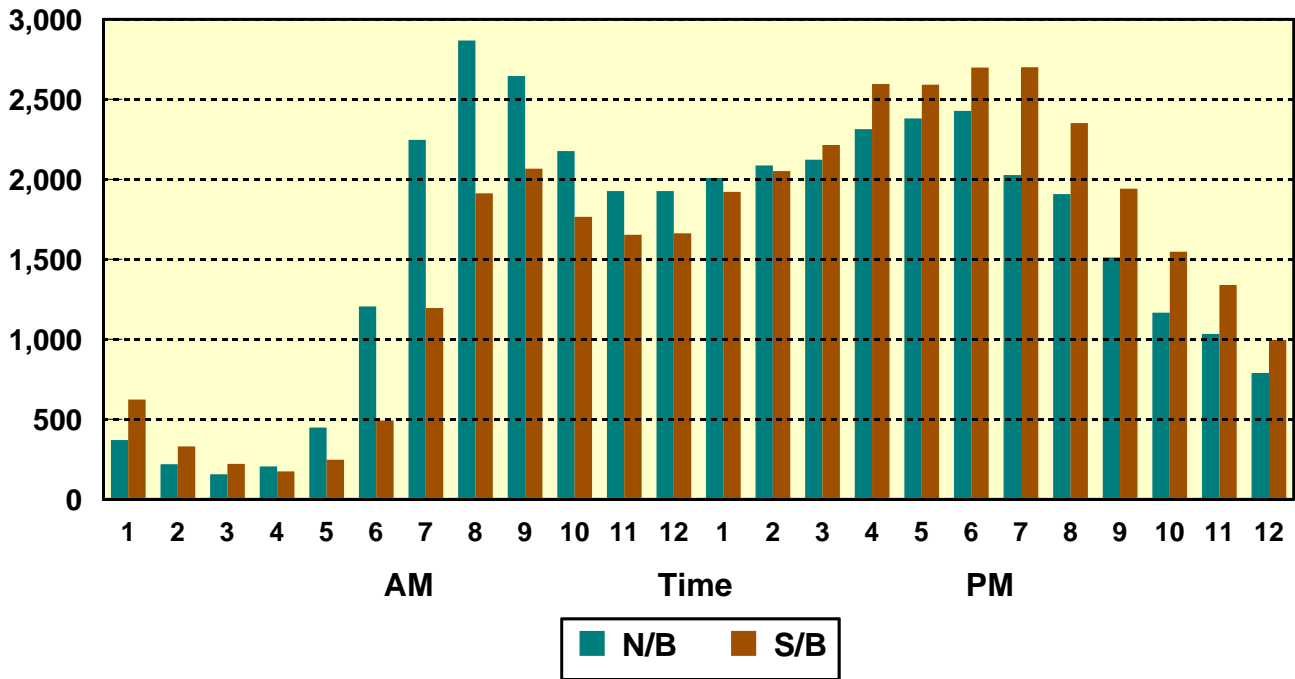
Hourly Vehicular Volumes Hook Creek Bridge - 2008

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	370	---	---	---	---	---	623
1-2am	---	---	---	---	---	219	---	---	---	---	---	330
2-3am	---	---	---	---	---	156	---	---	---	---	---	221
3-4am	---	---	---	---	---	205	---	---	---	---	---	174
4-5am	---	---	---	---	---	448	---	---	---	---	---	247
5-6am	---	---	---	---	---	1,205	---	---	---	---	---	492
6-7am	---	---	---	---	---	2,246	---	---	---	---	---	1,195
7-8am	2,657	19	64	82	46	2,868	14	14	138	101	1,913	4,781
8-9am	2,344	18	86	125	72	2,645	9	9	129	85	2,067	4,712
9-10am	1,889	7	66	145	70	2,177	7	7	74	118	76	1,765
10-11am	1,818	2	13	51	43	1,927	2	2	11	53	44	1,654
11-12am	1,608	10	43	182	84	1,927	2	2	12	95	76	1,663
12-1pm	1,895	9	26	59	20	2,009	0	0	12	43	26	1,921
1-2pm	1,903	14	43	73	53	2,086	6	6	63	123	52	2,051
2-3pm	1,902	16	47	83	75	2,123	3	3	33	94	79	2,215
3-4pm	2,222	36	11	28	17	2,314	3	3	20	39	46	2,595
4-5pm	2,255	12	28	48	37	2,380	3	3	42	56	66	2,592
5-6pm	2,239	13	42	43	91	2,428	7	7	60	41	77	2,699
6-7pm	1,926	12	44	24	20	2,026	4	4	53	38	27	2,700
7-8pm	---	---	---	---	---	1,908	---	---	---	---	---	2,352
8-9pm	---	---	---	---	---	1,512	---	---	---	---	---	1,941
9-10pm	---	---	---	---	---	1,166	---	---	---	---	---	1,548
10-11pm	---	---	---	---	---	1,033	---	---	---	---	---	1,339
11-12pm	---	---	---	---	---	789	---	---	---	---	---	996
Totals	---	---	---	---	---	38,167	---	---	---	---	---	37,293
7-10am	6,890	44	216	352	188	7,690	30	30	341	405	262	5,745
10am-1pm	5,321	21	82	292	147	5,863	4	4	35	191	146	5,238
1-4pm	6,027	66	101	184	145	6,523	12	12	116	256	177	6,861
4-7pm	6,420	37	114	115	148	6,834	14	14	155	135	170	7,991
7am-7pm	24,658	168	513	943	628	26,910	60	60	647	987	755	25,835

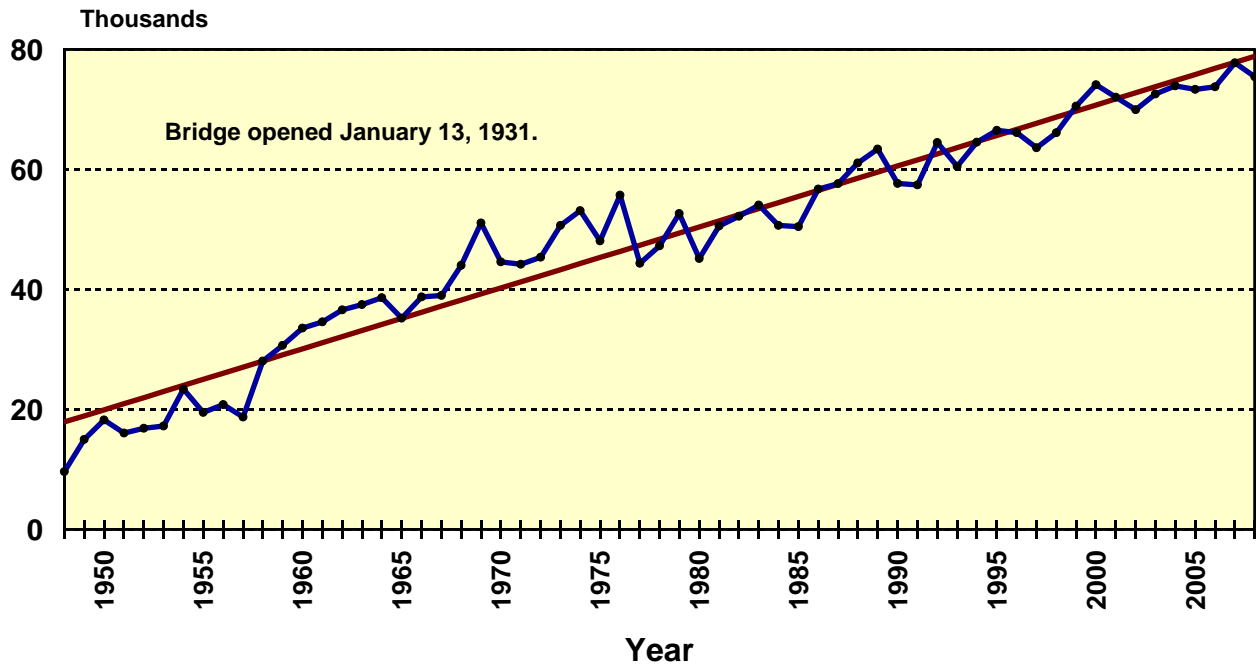
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hook Creek Bridge - 2008



Average Daily Traffic Volumes Hook Creek Bridge 1948-2008 Growth Rate = 2.5%



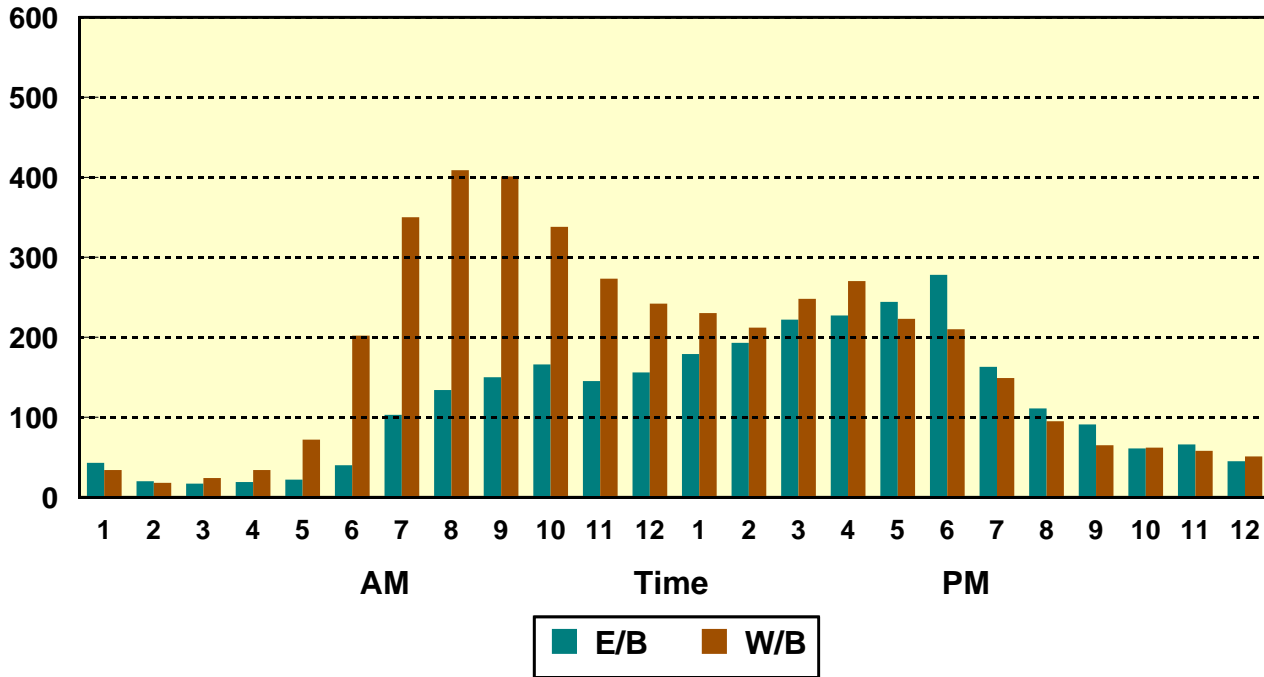
Hourly Vehicular Volumes Hunters Point Bridge - 2008

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	43	---	---	---	---	---	34
1-2am	---	---	---	---	---	20	---	---	---	---	---	18
2-3am	---	---	---	---	---	17	---	---	---	---	---	24
3-4am	---	---	---	---	---	19	---	---	---	---	---	34
4-5am	---	---	---	---	---	22	---	---	---	---	---	72
5-6am	---	---	---	---	---	40	---	---	---	---	---	202
6-7am	---	---	---	---	---	103	---	---	---	---	---	350
7-8am	95	0	13	15	11	134	305	1	17	27	59	409 **
8-9am	85	0	5	22	38	150	338	0	6	28	29	401
9-10am	103	0	2	28	33	166	240	0	3	45	50	338
10-11am	119	0	4	17	5	145	231	0	1	25	16	273
11-12am	99	1	7	28	21	156	173	0	1	42	26	242
12-1pm	130	0	7	21	21	179	184	0	1	27	18	230
1-2pm	139	0	11	20	23	193	170	2	2	18	20	212
2-3pm	131	0	19	36	36	222	179	8	1	31	29	248
3-4pm	191	0	8	21	7	227	252	4	1	9	4	270
4-5pm	177	0	14	19	34	244	156	33	2	8	24	223
5-6pm	236	0	13	3	26	278 **	173	9	1	13	14	210
6-7pm	136	1	3	7	16	163	128	3	2	4	12	149
7-8pm	---	---	---	---	---	111	---	---	---	---	---	95
8-9pm	---	---	---	---	---	91	---	---	---	---	---	65
9-10pm	---	---	---	---	---	61	---	---	---	---	---	62
10-11pm	---	---	---	---	---	66	---	---	---	---	---	58
11-12pm	---	---	---	---	---	45	---	---	---	---	---	51
Totals	---	---	---	---	---	2,895	---	---	---	---	---	4,270
7-10am	283	0	20	65	82	450	883	1	26	100	138	1,148
10am-1pm	348	1	18	66	47	480	588	0	3	94	60	745
1-4pm	461	0	38	77	66	642	601	14	4	58	53	730
4-7pm	549	1	30	29	76	685	457	45	5	25	50	582
7am-7pm	1,641	2	106	237	271	2,257	2,529	60	38	277	301	3,205

Based on 1989 Classification Survey Data

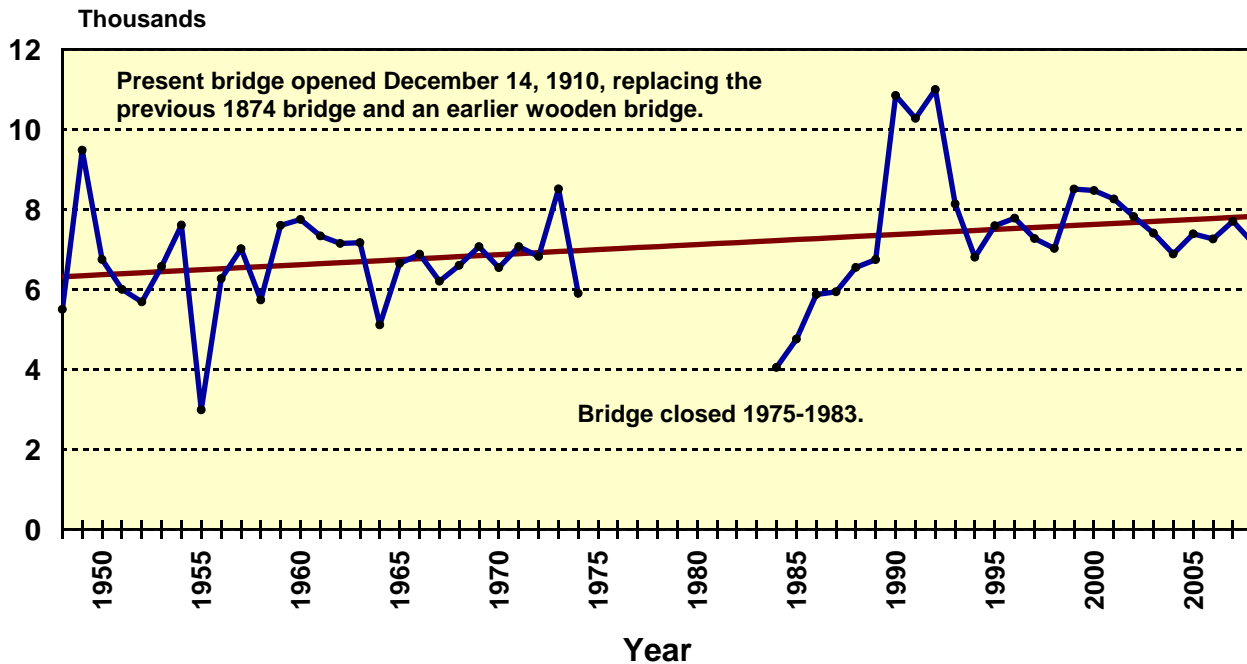
** Peak Volumes

Hourly Vehicular Volumes Hunters Point Bridge - 2008



Average Daily Traffic Volumes Hunters Point Bridge

1948-2008 Growth Rate = 0.4%



**Hourly Vehicular Volumes
Joseph P. Addabbo Memorial Bridge - 2008
(North Channel Bridge)**

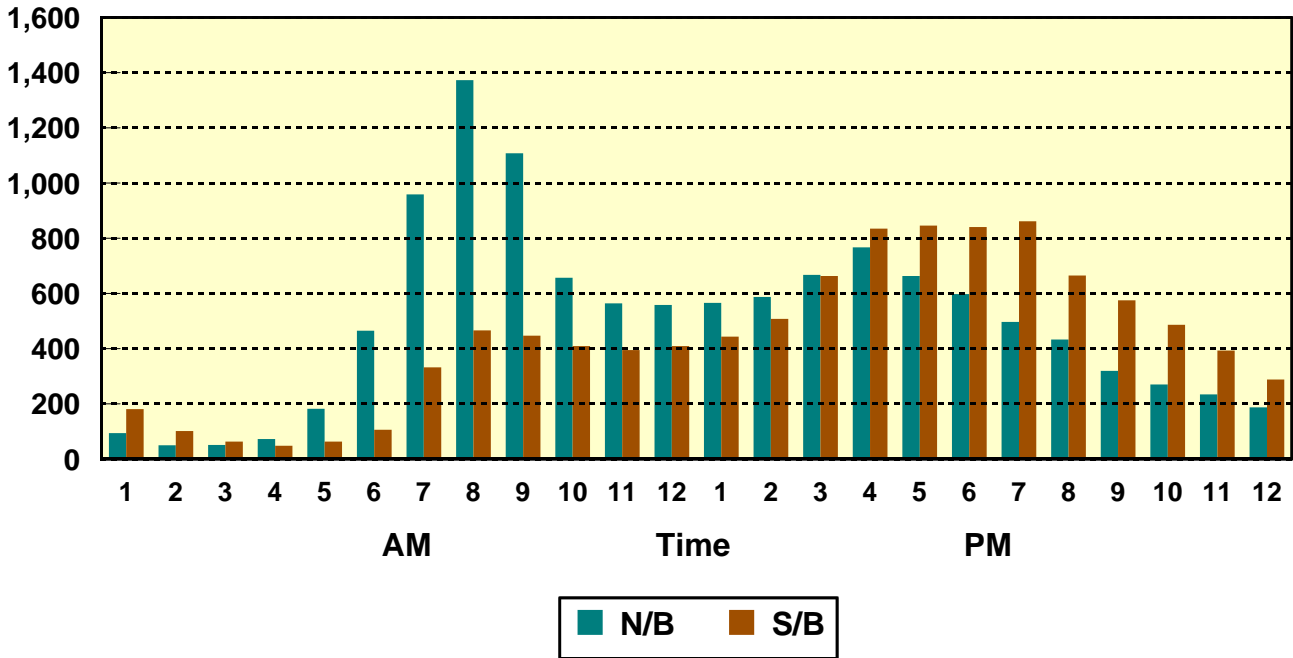
	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	94	---	---	---	---	---	181
1-2am	---	---	---	---	---	50	---	---	---	---	---	101
2-3am	---	---	---	---	---	51	---	---	---	---	---	63
3-4am	---	---	---	---	---	72	---	---	---	---	---	48
4-5am	---	---	---	---	---	182	---	---	---	---	---	63
5-6am	---	---	---	---	---	465	---	---	---	---	---	106
6-7am	---	---	---	---	---	959	---	---	---	---	---	332
7-8am	1,255	35	21	24	38	1,373 **	339	23	6	37	61	466
8-9am	937	32	22	44	73	1,108	330	24	1	36	56	447
9-10am	545	8	7	61	36	657	283	16	3	50	57	409
10-11am	512	10	7	26	9	564	342	10	0	16	27	395
11-12am	443	8	8	54	45	558	299	7	0	43	60	409
12-1pm	490	15	0	32	29	566	396	10	0	15	22	443
1-2pm	545	4	4	18	16	587	464	6	0	13	25	508
2-3pm	549	20	10	48	40	667	529	27	4	27	76	663
3-4pm	689	24	11	21	22	767	729	24	0	24	58	835
4-5pm	551	30	12	40	30	663	719	9	2	29	87	846
5-6pm	524	9	15	27	23	598	766	6	0	17	52	841
6-7pm	417	8	17	21	34	497	776	6	4	10	66	862 **
7-8pm	---	---	---	---	---	433	---	---	---	---	---	665
8-9pm	---	---	---	---	---	319	---	---	---	---	---	575
9-10pm	---	---	---	---	---	270	---	---	---	---	---	486
10-11pm	---	---	---	---	---	234	---	---	---	---	---	393
11-12pm	---	---	---	---	---	187	---	---	---	---	---	288
Totals	---	---	---	---	---	11,921	---	---	---	---	---	10,425
7-10am	2,737	75	50	129	147	3,138	952	63	10	123	174	1,322
10am-1pm	1,445	33	15	112	83	1,688	1,037	27	0	74	109	1,247
1-4pm	1,783	48	25	87	78	2,021	1,722	57	4	64	159	2,006
4-7pm	1,492	47	44	88	87	1,758	2,261	21	6	56	205	2,549
7am-7pm	7,457	203	134	416	395	8,605	5,972	168	20	317	647	7,124

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes

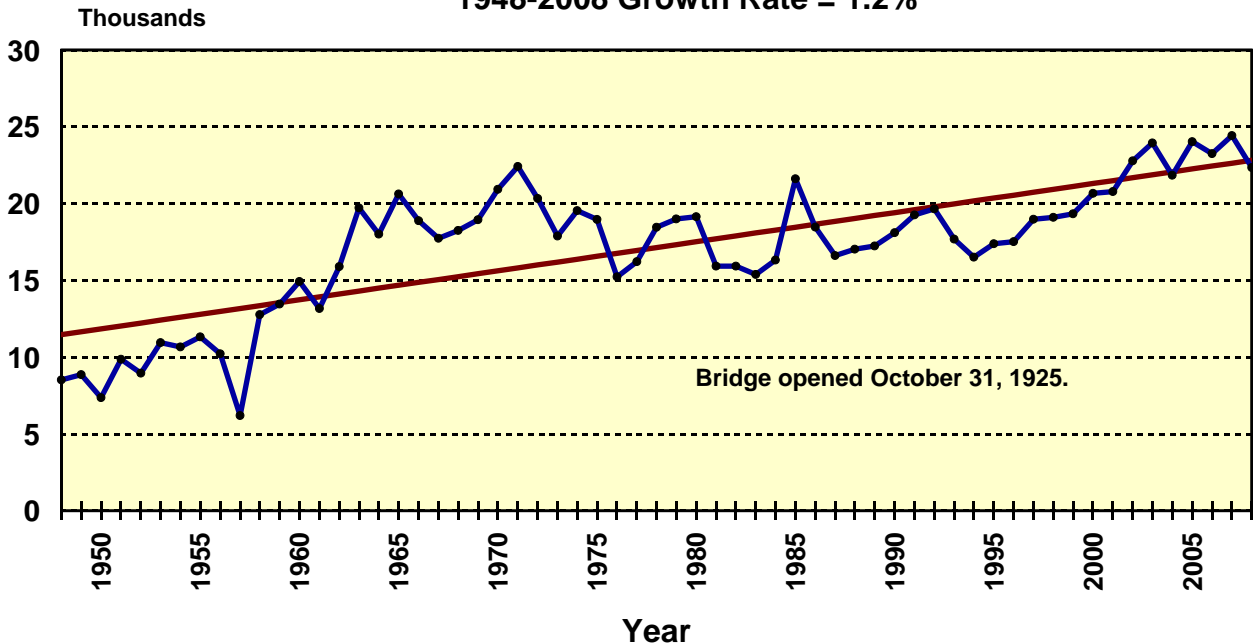
Joseph P. Addabbo Memorial Bridge - 2008 (North Channel Bridge)



Average Daily Traffic Volumes

Joseph P. Addabbo Memorial Bridge (North Channel Bridge)

1948-2008 Growth Rate = 1.2%



Hourly Vehicular Volumes Little Neck Bridge - 2008

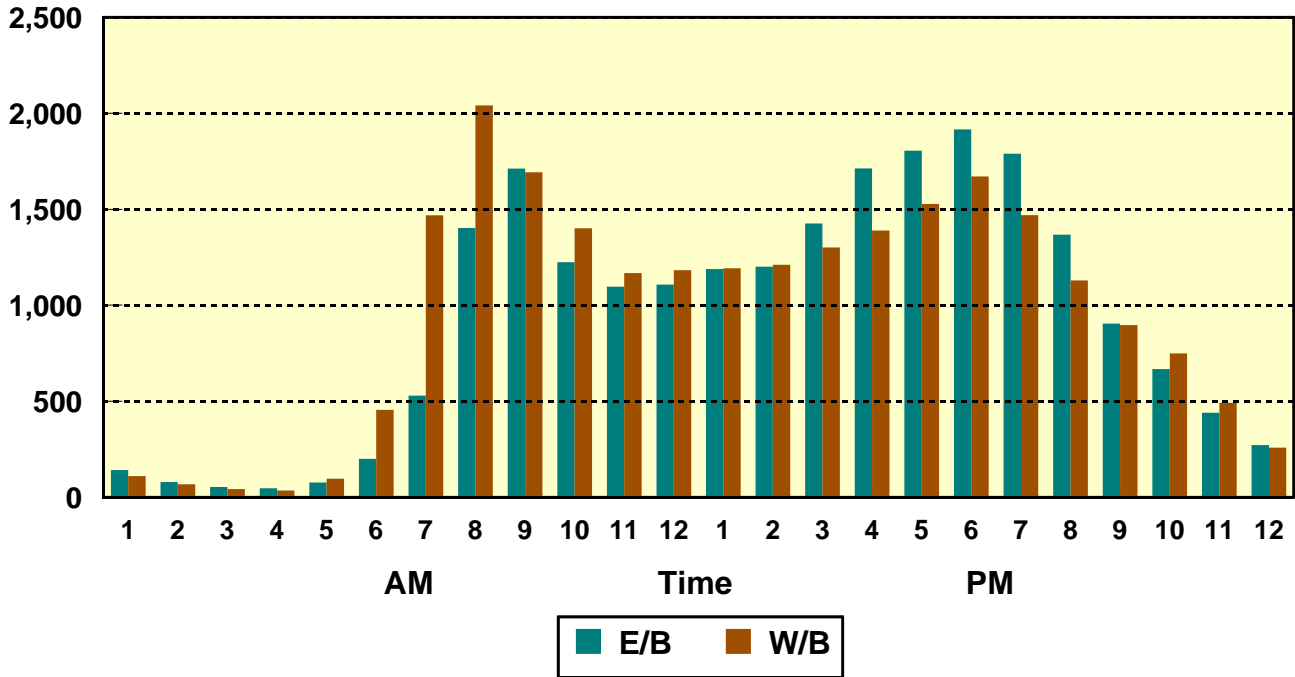
	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	141	---	---	---	---	---	110
1-2am	---	---	---	---	---	79	---	---	---	---	---	67
2-3am	---	---	---	---	---	53	---	---	---	---	---	43
3-4am	---	---	---	---	---	47	---	---	---	---	---	35
4-5am	---	---	---	---	---	77	---	---	---	---	---	96
5-6am	---	---	---	---	---	200	---	---	---	---	---	455
6-7am	---	---	---	---	---	529	---	---	---	---	---	1,469
7-8am	1,142	37	64	99	61	1,403	1,828	75	6	37	95	2,041
8-9am	1,509	23	70	63	47	1,712	1,549	43	2	32	67	1,693
9-10am	1,079	16	48	59	22	1,224	1,286	8	0	37	70	1,401
10-11am	999	8	24	39	26	1,096	1,104	10	0	24	30	1,168
11-12am	971	11	24	56	45	1,107	1,055	7	0	65	55	1,182
12-1pm	1,116	13	9	39	11	1,188	1,113	10	0	26	43	1,192
1-2pm	1,111	9	20	30	31	1,201	1,154	3	0	21	33	1,211
2-3pm	1,213	15	59	80	59	1,426	1,167	10	0	42	82	1,301
3-4pm	1,618	20	18	36	21	1,713	1,318	10	0	15	47	1,390
4-5pm	1,520	13	69	123	81	1,806	1,372	16	0	41	99	1,528
5-6pm	1,716	19	52	43	86	1,916	1,590	12	0	9	60	1,671
6-7pm	1,649	17	50	40	34	1,790	1,404	8	0	6	52	1,470
7-8pm	---	---	---	---	---	1,368	---	---	---	---	---	1,129
8-9pm	---	---	---	---	---	904	---	---	---	---	---	896
9-10pm	---	---	---	---	---	667	---	---	---	---	---	749
10-11pm	---	---	---	---	---	440	---	---	---	---	---	491
11-12pm	---	---	---	---	---	272	---	---	---	---	---	258
Totals	---	---	---	---	---	22,359	---	---	---	---	---	23,046
7-10am	3,730	76	182	221	130	4,339	4,663	126	8	106	232	5,135
10am-1pm	3,086	32	57	134	82	3,391	3,272	27	0	115	128	3,542
1-4pm	3,942	44	97	146	111	4,340	3,639	23	0	78	162	3,902
4-7pm	4,885	49	171	206	201	5,512	4,366	36	0	56	211	4,669
7am-7pm	15,643	201	507	707	524	17,582	15,940	212	8	355	733	17,248

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes

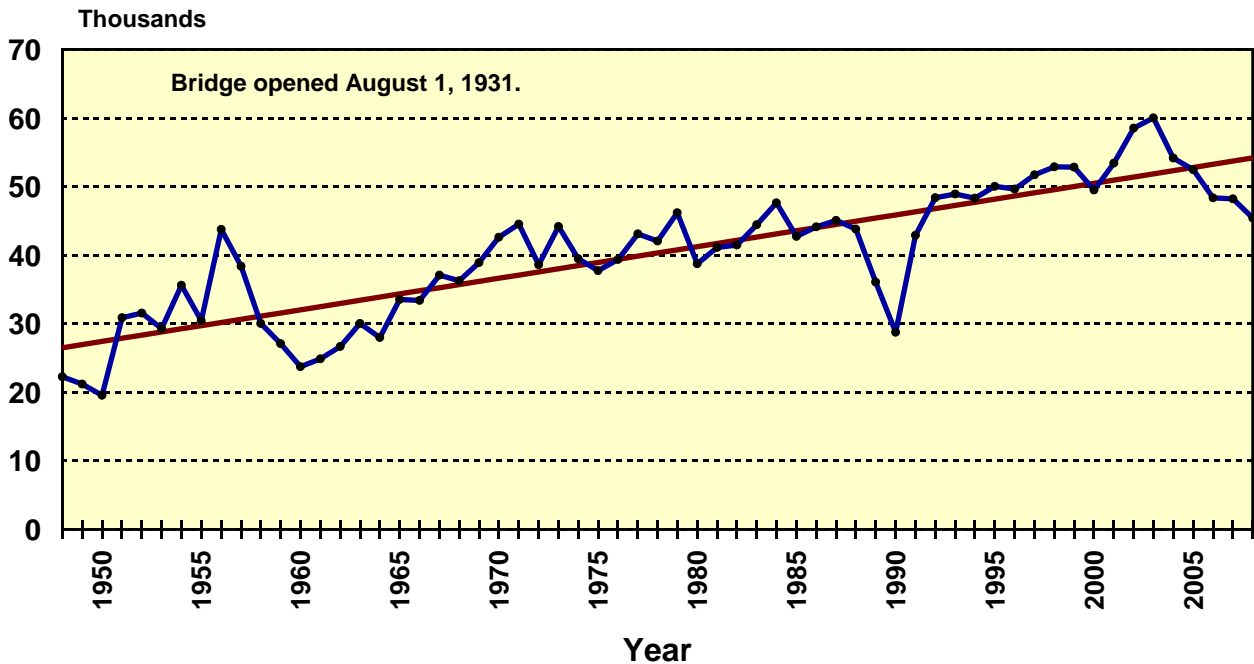
Little Neck Bridge - 2008



Average Daily Traffic Volumes

Little Neck Bridge

1948-2008 Growth Rate = 1.2%



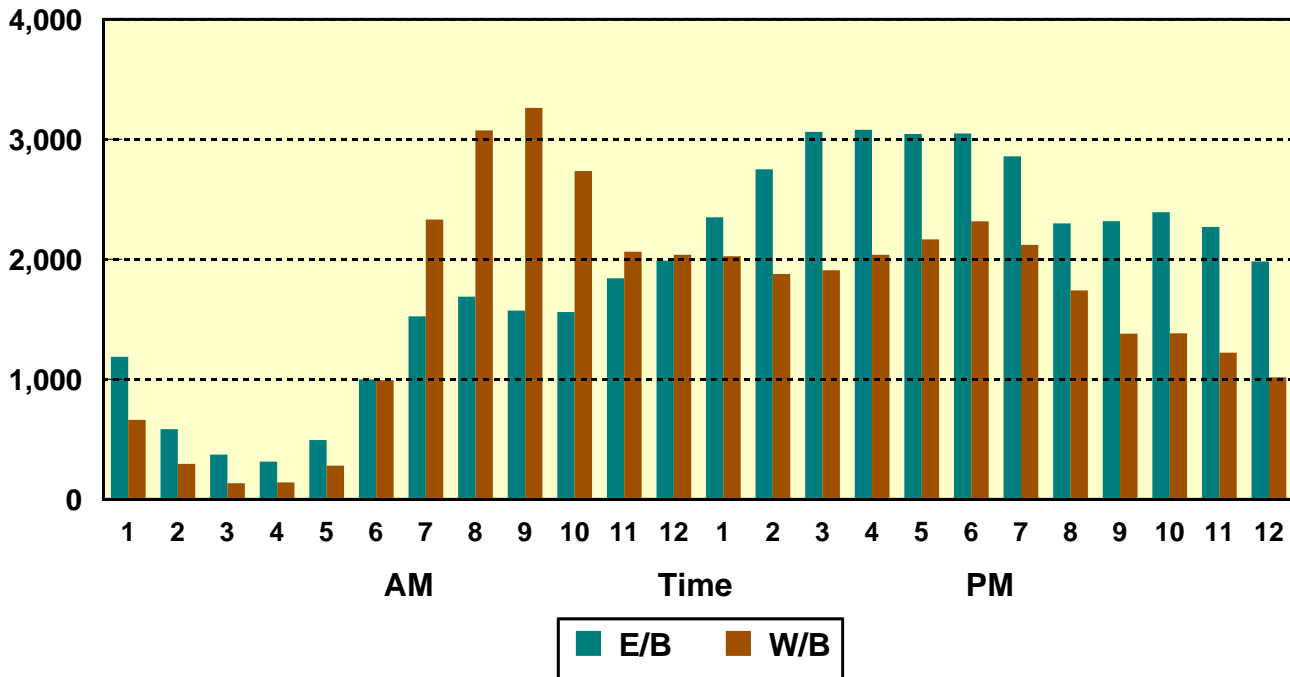
Hourly Vehicular Volumes Midtown Highway Bridge - 2008

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	1,186	---	---	---	---	---	662
1-2am	---	---	---	---	---	584	---	---	---	---	---	294
2-3am	---	---	---	---	---	372	---	---	---	---	---	133
3-4am	---	---	---	---	---	313	---	---	---	---	---	139
4-5am	---	---	---	---	---	493	---	---	---	---	---	279
5-6am	---	---	---	---	---	998	---	---	---	---	---	992
6-7am	---	---	---	---	---	1,524	---	---	---	---	---	2,332
7-8am	1,377	70	15	136	89	1,687	2,515	137	63	112	247	3,074
8-9am	1,264	102	14	109	83	1,572	2,753	64	63	128	254	3,262
9-10am	1,187	128	11	139	94	1,559	2,202	65	95	154	220	2,736
10-11am	1,658	59	3	53	69	1,842	1,884	24	27	55	74	2,064
11-12am	1,719	47	6	113	103	1,988	1,704	16	94	106	118	2,038
12-1pm	2,125	28	21	85	91	2,350	1,824	8	62	70	62	2,026
1-2pm	2,176	37	80	172	286	2,751	1,495	18	118	127	119	1,877
2-3pm	2,617	16	66	157	207	3,063	1,513	73	91	128	102	1,907
3-4pm	2,844	28	32	54	121	3,079	1,764	69	71	55	79	2,038
4-5pm	2,562	22	73	92	296	3,045	1,655	172	138	47	154	2,166
5-6pm	2,710	23	21	52	243	3,049	1,904	98	110	100	105	2,317
6-7pm	2,606	9	28	61	154	2,858	1,923	30	56	52	59	2,120
7-8pm	---	---	---	---	---	2,299	---	---	---	---	---	1,739
8-9pm	---	---	---	---	---	2,318	---	---	---	---	---	1,379
9-10pm	---	---	---	---	---	2,393	---	---	---	---	---	1,383
10-11pm	---	---	---	---	---	2,270	---	---	---	---	---	1,222
11-12pm	---	---	---	---	---	1,981	---	---	---	---	---	1,016
Totals	---	---	---	---	---	45,574	---	---	---	---	---	39,195
7-10am	3,828	300	40	384	266	4,818	7,470	266	221	394	721	9,072
10am-1pm	5,502	134	30	251	263	6,180	5,412	48	183	231	254	6,128
1-4pm	7,637	81	178	383	614	8,893	4,772	160	280	310	300	5,822
4-7pm	7,878	54	122	205	693	8,952	5,482	300	304	199	318	6,603
7am-7pm	24,845	569	370	1,223	1,836	28,843	23,136	774	988	1,134	1,593	27,625

Based on 1989 Classification Survey Data

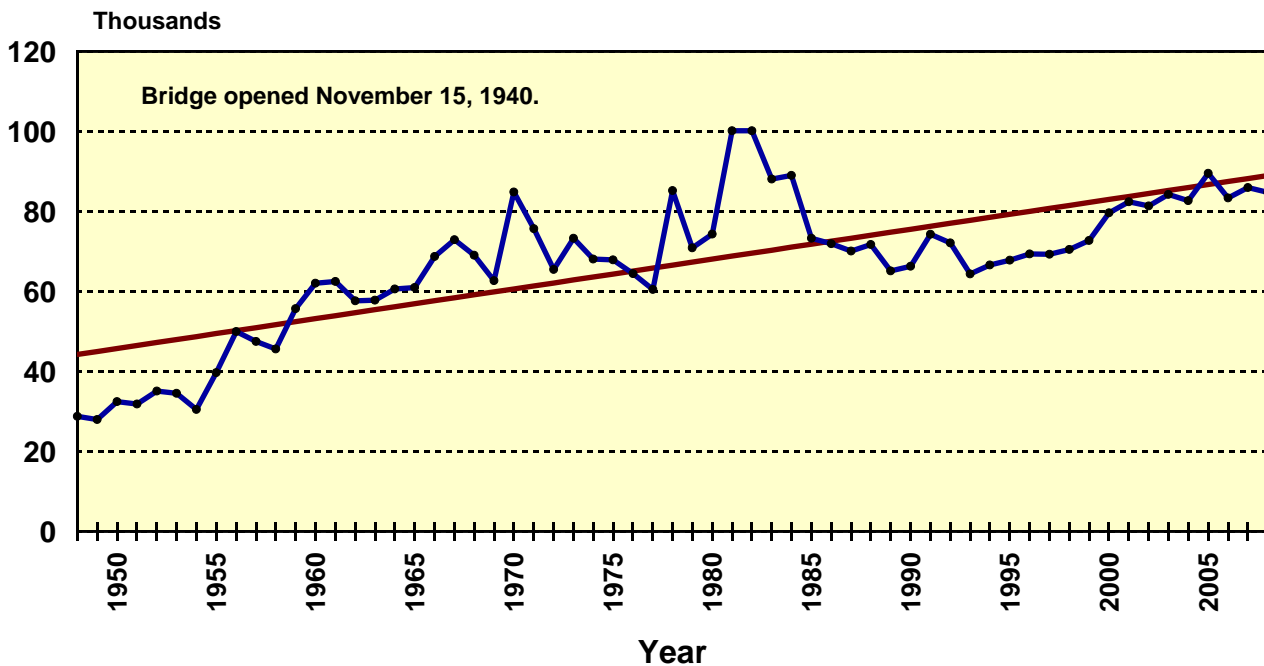
** Peak Volumes

Hourly Vehicular Volumes Midtown Highway Bridge - 2008



Average Daily Traffic Volumes Midtown Highway Bridge

1948-2008 Growth Rate = 1.2%



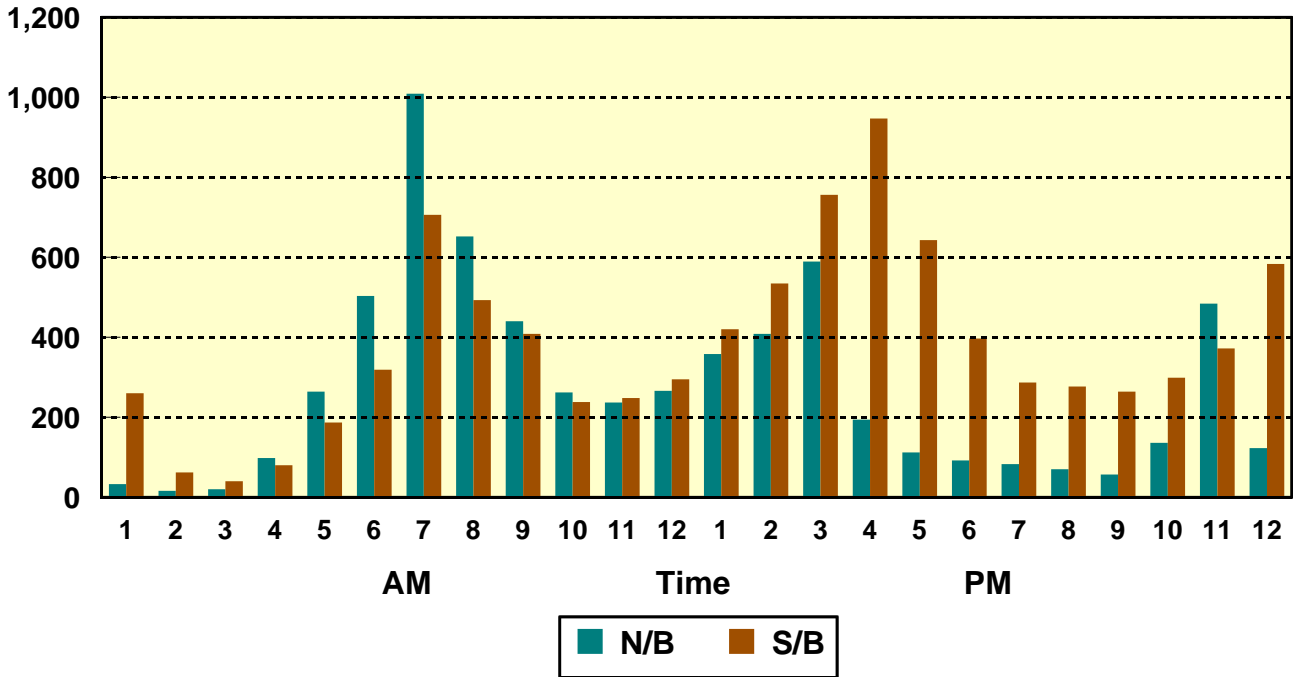
Hourly Vehicular Volumes Rikers Island Bridge - 2008

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	33	---	---	---	---	---	260
1-2am	---	---	---	---	---	16	---	---	---	---	---	62
2-3am	---	---	---	---	---	20	---	---	---	---	---	40
3-4am	---	---	---	---	---	98	---	---	---	---	---	80
4-5am	---	---	---	---	---	264	---	---	---	---	---	187
5-6am	---	---	---	---	---	503	---	---	---	---	---	319
6-7am	---	---	---	---	---	1,009 **	---	---	---	---	---	706
7-8am	540	8	3	35	66	652	428	29	15	6	493	
8-9am	378	8	1	23	30	440	331	18	21	11	408	
9-10am	182	26	1	23	30	262	171	18	5	10	238	
10-11am	182	14	0	19	22	237	202	20	5	3	248	
11-12am	187	15	3	28	33	266	194	31	19	16	295	
12-1pm	313	15	1	10	19	358	365	16	17	9	420	
1-2pm	349	32	2	9	16	408	466	20	25	7	534	
2-3pm	519	14	1	16	39	589	655	19	36	16	756	
3-4pm	173	7	1	4	9	194	884	17	28	1	947 **	
4-5pm	96	7	1	2	6	112	596	9	24	0	643	
5-6pm	75	7	1	0	9	92	359	11	19	5	397	
6-7pm	54	18	2	4	5	83	242	8	31	0	287	
7-8pm	---	---	---	---	---	70	---	---	---	---	277	
8-9pm	---	---	---	---	---	57	---	---	---	---	264	
9-10pm	---	---	---	---	---	136	---	---	---	---	299	
10-11pm	---	---	---	---	---	484	---	---	---	---	372	
11-12pm	---	---	---	---	---	123	---	---	---	---	583	
Totals	---	---	---	---	---	6,506	---	---	---	---	9,115	
7-10am	1,100	42	5	81	126	1,354	930	65	41	27	1,139	
10am-1pm	682	44	4	57	74	861	761	67	41	28	963	
1-4pm	1,041	53	4	29	64	1,191	2,005	56	89	24	2,237	
4-7pm	225	32	4	6	20	287	1,197	28	74	5	1,327	
7am-7pm	3,048	171	17	173	284	3,693	4,893	216	245	84	5,666	

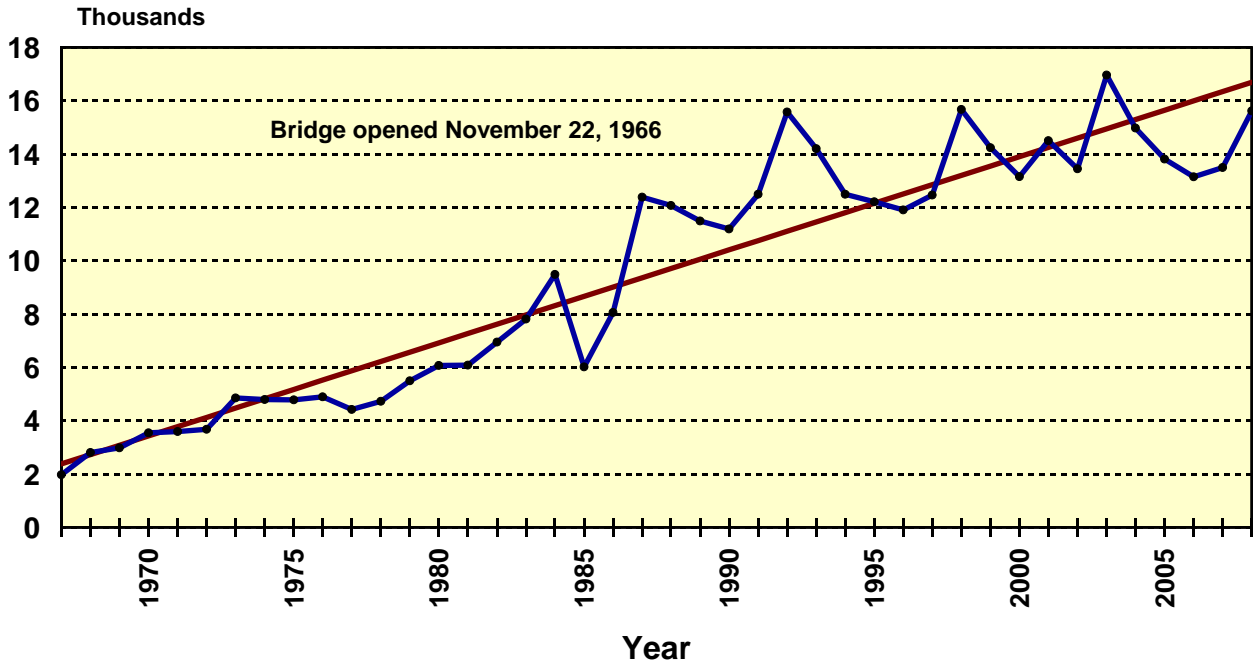
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Rikers Island Bridge - 2008



Average Daily Traffic Volumes Rikers Island Bridge 1967-2008 Growth Rate = 4.9%



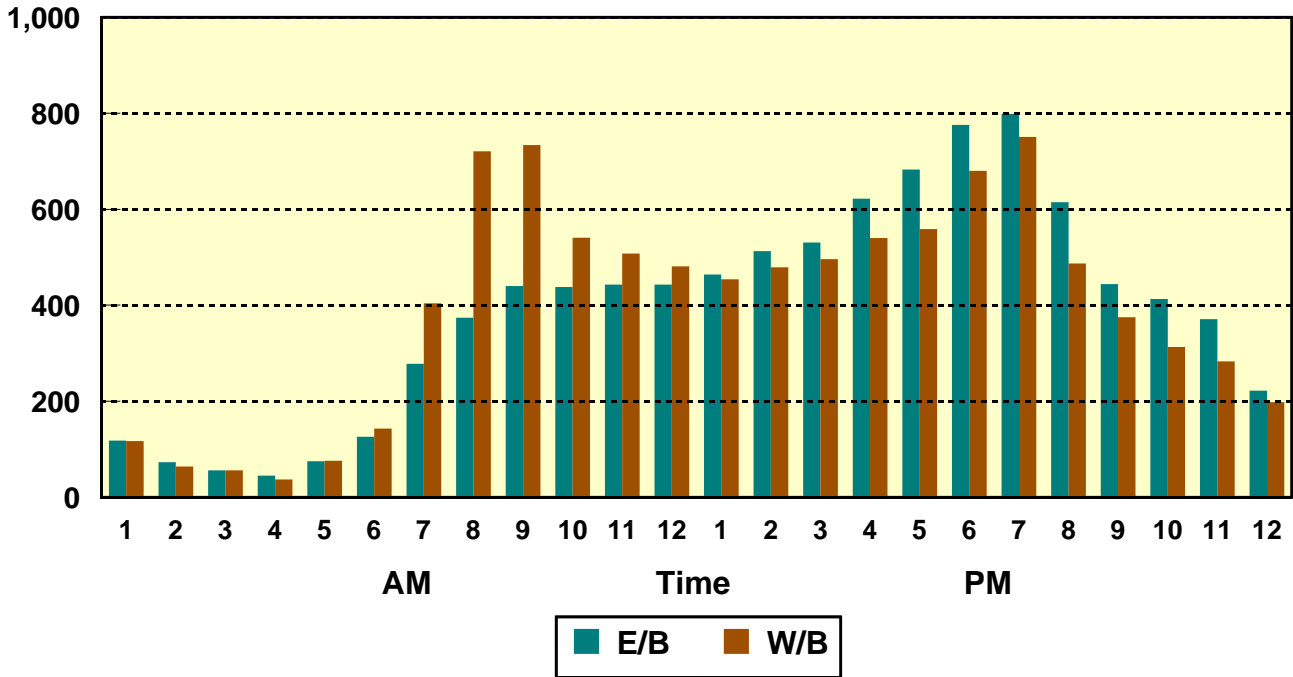
Hourly Vehicular Volumes Roosevelt Avenue Bridge - 2008

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	118	---	---	---	---	---	117
1-2am	---	---	---	---	---	73	---	---	---	---	---	64
2-3am	---	---	---	---	---	56	---	---	---	---	---	56
3-4am	---	---	---	---	---	45	---	---	---	---	---	37
4-5am	---	---	---	---	---	75	---	---	---	---	---	76
5-6am	---	---	---	---	---	126	---	---	---	---	---	143
6-7am	---	---	---	---	---	278	---	---	---	---	---	404
7-8am	295	25	10	27	17	374	611	5	18	45	42	721
8-9am	344	14	10	34	38	440	648	19	11	22	34	734
9-10am	346	6	9	36	41	438	435	46	10	23	27	541
10-11am	388	5	9	18	23	443	473	8	2	18	7	508
11-12am	349	10	10	34	40	443	436	15	3	18	9	481
12-1pm	426	5	7	14	12	464	437	9	1	3	4	454
1-2pm	454	28	2	9	20	513	461	11	0	2	5	479
2-3pm	404	27	13	46	41	531	463	7	2	13	11	496
3-4pm	547	12	9	24	30	622	458	63	1	8	10	540
4-5pm	516	9	28	50	80	683	523	13	4	9	10	559
5-6pm	639	5	22	28	82	776	648	8	3	13	8	680
6-7pm	677	5	18	29	70	799	684	35	7	13	12	751
7-8pm	---	---	---	---	---	615	---	---	---	---	---	487
8-9pm	---	---	---	---	---	444	---	---	---	---	---	375
9-10pm	---	---	---	---	---	413	---	---	---	---	---	313
10-11pm	---	---	---	---	---	371	---	---	---	---	---	283
11-12pm	---	---	---	---	---	222	---	---	---	---	---	198
Totals	---	---	---	---	---	9,362	---	---	---	---	---	9,497
7-10am	985	45	29	97	96	1,252	1,694	70	39	90	103	1,996
10am-1pm	1,163	20	26	66	75	1,350	1,346	32	6	39	20	1,443
1-4pm	1,405	67	24	79	91	1,666	1,382	81	3	23	26	1,515
4-7pm	1,832	19	68	107	232	2,258	1,855	56	14	35	30	1,990
7am-7pm	5,385	151	147	349	494	6,526	6,277	239	62	187	179	6,944
Totals	---	---	---	---	---	9,362	---	---	---	---	---	9,497
Totals	---	---	---	---	---	18,859	---	---	---	---	---	18,859

Based on 1989 Classification Survey Data

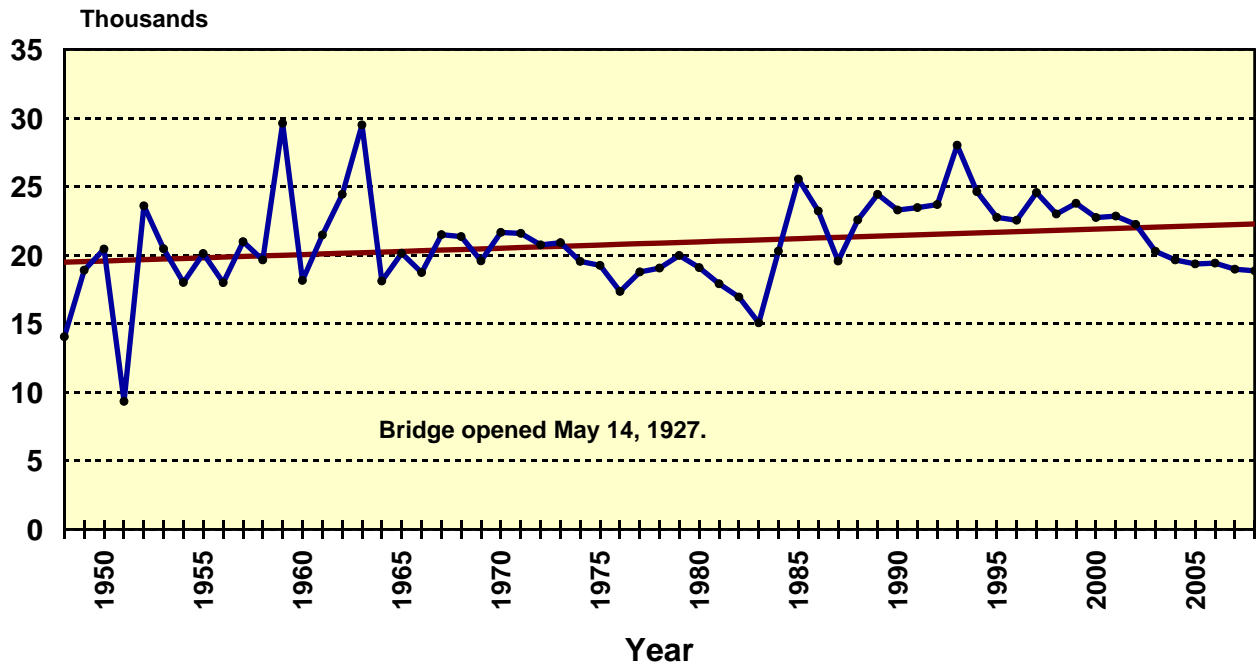
** Peak Volumes

Hourly Vehicular Volumes Roosevelt Avenue Bridge - 2008



Average Daily Traffic Volumes Roosevelt Avenue Bridge

1948-2008 Growth Rate = 0.2%



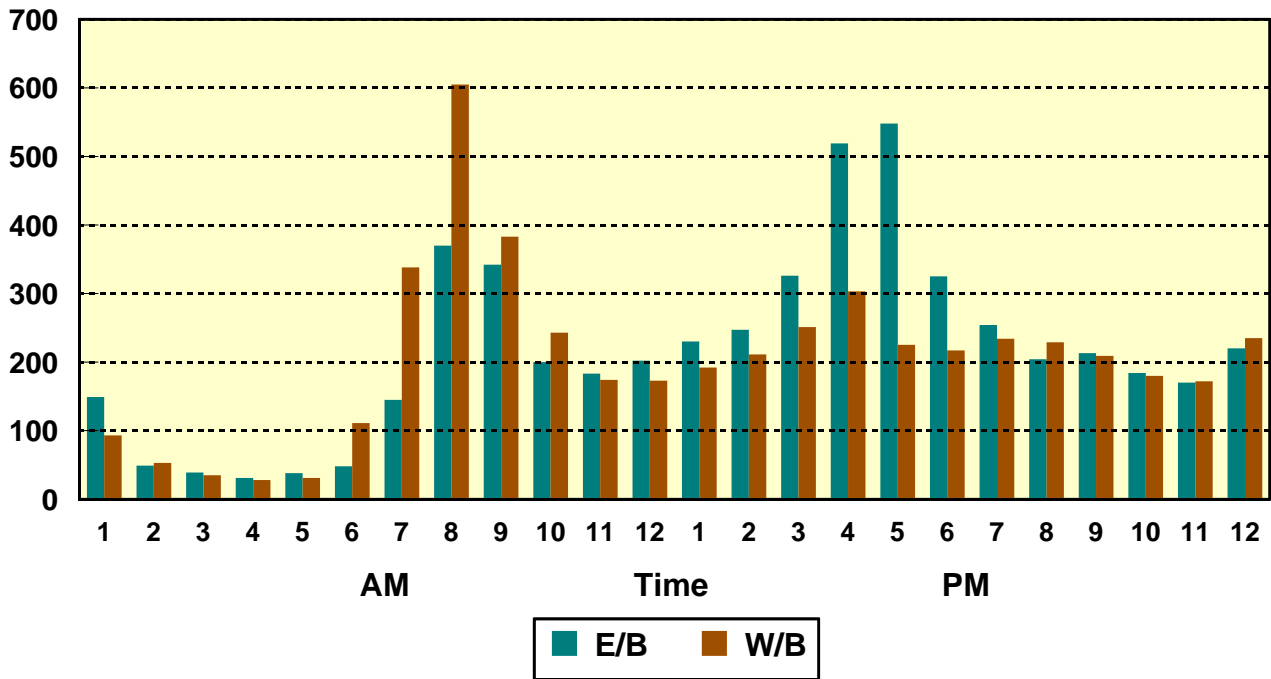
Hourly Vehicular Volumes Roosevelt Island Bridge - 2008

	Eastbound					Westbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	149	---	---	---	---	---	93
1-2am	---	---	---	---	---	49	---	---	---	---	---	53
2-3am	---	---	---	---	---	39	---	---	---	---	---	35
3-4am	---	---	---	---	---	31	---	---	---	---	---	28
4-5am	---	---	---	---	---	38	---	---	---	---	---	31
5-6am	---	---	---	---	---	48	---	---	---	---	---	111
6-7am	---	---	---	---	---	145	---	---	---	---	---	338
7-8am	325	18	17	6	4	370	539	10	33	14	9	605 **
8-9am	273	18	23	18	10	342	358	5	3	13	4	383
9-10am	153	9	10	23	5	200	212	5	10	14	2	243
10-11am	162	2	4	10	5	183	149	5	1	11	8	174
11-12am	155	5	9	16	17	202	129	4	8	24	8	173
12-1pm	202	4	2	15	7	230	159	22	3	5	3	192
1-2pm	224	7	2	5	9	247	188	6	1	9	7	211
2-3pm	280	5	5	27	9	326	221	7	5	10	8	251
3-4pm	472	26	1	9	11	519	283	8	5	4	3	303
4-5pm	516	7	12	2	11	548 **	203	8	6	2	6	225
5-6pm	306	5	0	4	10	325	200	7	0	3	7	217
6-7pm	236	2	1	1	14	254	223	4	3	3	1	234
7-8pm	---	---	---	---	---	204	---	---	---	---	---	229
8-9pm	---	---	---	---	---	213	---	---	---	---	---	209
9-10pm	---	---	---	---	---	184	---	---	---	---	---	180
10-11pm	---	---	---	---	---	170	---	---	---	---	---	172
11-12pm	---	---	---	---	---	220	---	---	---	---	---	235
Totals	---	---	---	---	---	5,236	---	---	---	---	---	4,925
7-10am	751	45	50	47	19	912	1,109	20	46	41	15	1,231
10am-1pm	519	11	15	41	29	615	437	31	12	40	19	539
1-4pm	976	38	8	41	29	1,092	692	21	11	23	18	765
4-7pm	1,058	14	13	7	35	1,127	626	19	9	8	14	676
7am-7pm	3,304	108	86	136	112	3,746	2,864	91	78	112	66	3,211

Based on 1989 Classification Survey Data

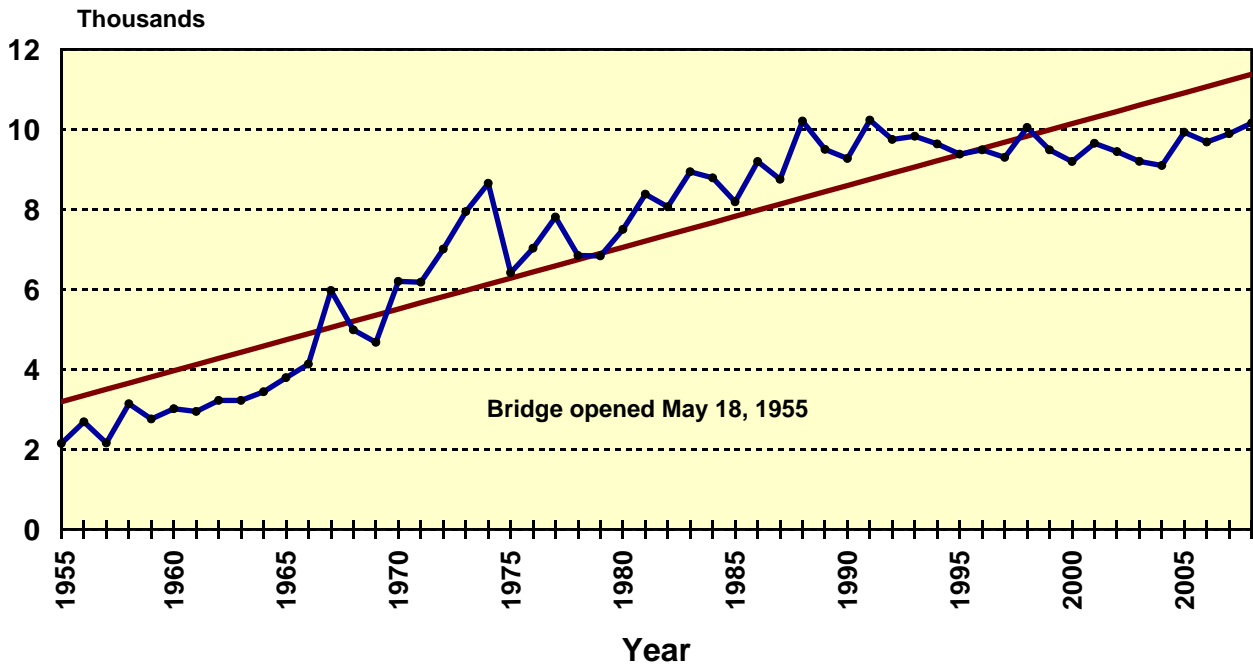
** Peak Volumes

Hourly Vehicular Volumes Roosevelt Island Bridge - 2008



Average Daily Traffic Volumes Roosevelt Island Bridge

1955-2008 Growth Rate = 2.4%



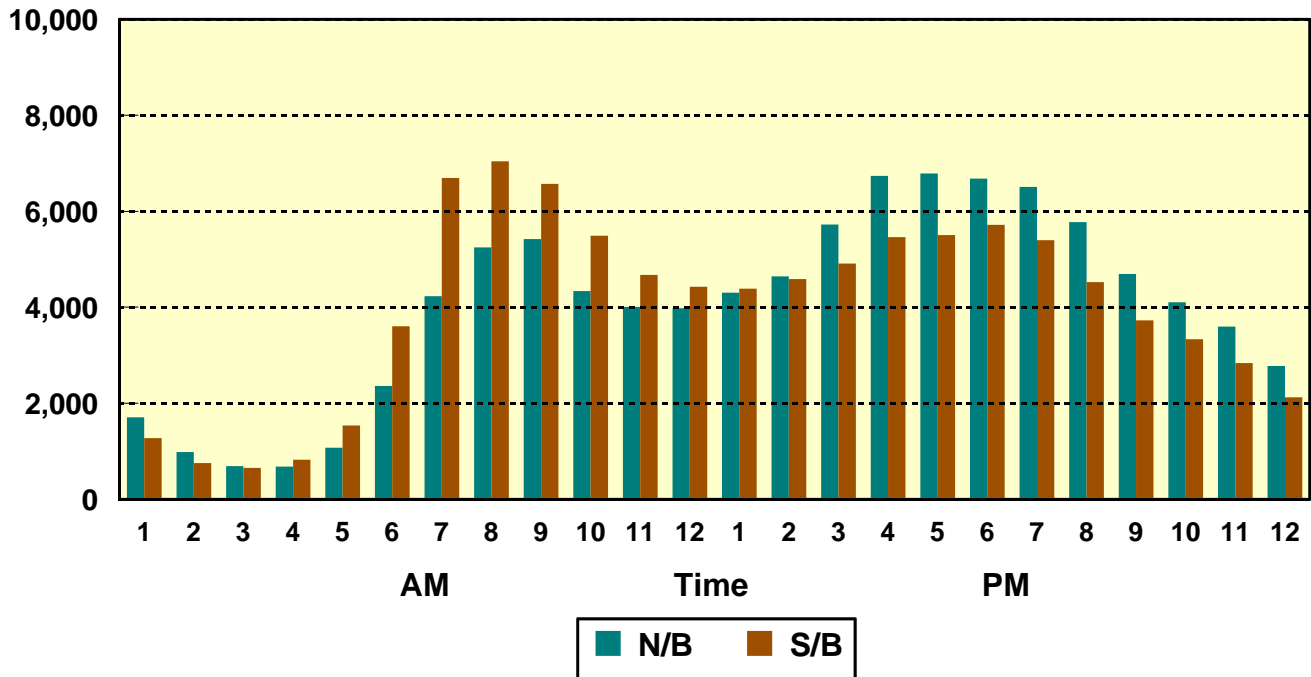
Hourly Vehicular Volumes Whitestone Expressway Bridge - 2008

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks		Commercial Vans
12-1am	---	---	---	---	---	1,708	---	---	---	---	---	1,275
1-2am	---	---	---	---	---	982	---	---	---	---	---	755
2-3am	---	---	---	---	---	691	---	---	---	---	---	654
3-4am	---	---	---	---	---	680	---	---	---	---	---	824
4-5am	---	---	---	---	---	1,074	---	---	---	---	---	1,534
5-6am	---	---	---	---	---	2,359	---	---	---	---	---	3,604
6-7am	---	---	---	---	---	4,229	---	---	---	---	---	6,695
7-8am	4,418	84	160	272	314	5,248	5,624	59	229	501	631	7,044
8-9am	4,506	70	269	358	221	5,424	5,455	71	186	464	396	6,572
9-10am	3,489	69	163	412	205	4,338	4,305	74	194	507	414	5,494
10-11am	3,504	36	83	239	146	4,008	4,238	20	105	198	113	4,674
11-12am	3,032	26	149	514	259	3,980	3,546	22	191	436	232	4,427
12-1pm	3,805	67	61	248	124	4,305	3,894	28	94	218	151	4,385
1-2pm	4,208	58	41	219	118	4,644	4,018	59	91	258	162	4,588
2-3pm	4,643	66	141	477	398	5,725	3,940	70	158	460	282	4,910
3-4pm	6,138	29	85	242	246	6,740	4,898	90	110	212	152	5,462
4-5pm	5,866	25	163	333	400	6,787	4,621	55	201	361	270	5,508
5-6pm	5,852	33	159	254	384	6,682	5,174	25	151	213	155	5,718
6-7pm	5,819	50	162	165	314	6,510	4,976	9	169	102	142	5,398
7-8pm	---	---	---	---	---	5,776	---	---	---	---	---	4,524
8-9pm	---	---	---	---	---	4,694	---	---	---	---	---	3,726
9-10pm	---	---	---	---	---	4,103	---	---	---	---	---	3,332
10-11pm	---	---	---	---	---	3,596	---	---	---	---	---	2,836
11-12pm	---	---	---	---	---	2,777	---	---	---	---	---	2,123
Totals	---	---	---	---	---	97,060	---	---	---	---	---	96,062
7-10am	12,413	223	592	1,042	740	15,010	15,384	204	609	1,472	1,441	19,110
10am-1pm	10,341	129	293	1,001	529	12,293	11,678	70	390	852	496	13,486
1-4pm	14,989	153	267	938	762	17,109	12,856	219	359	930	596	14,960
4-7pm	17,537	108	484	752	1,098	19,979	14,771	89	521	676	567	16,624
7am-7pm	55,280	613	1,636	3,733	3,129	64,391	54,689	582	1,879	3,930	3,100	64,180

Based on 1989 Classification Survey Data

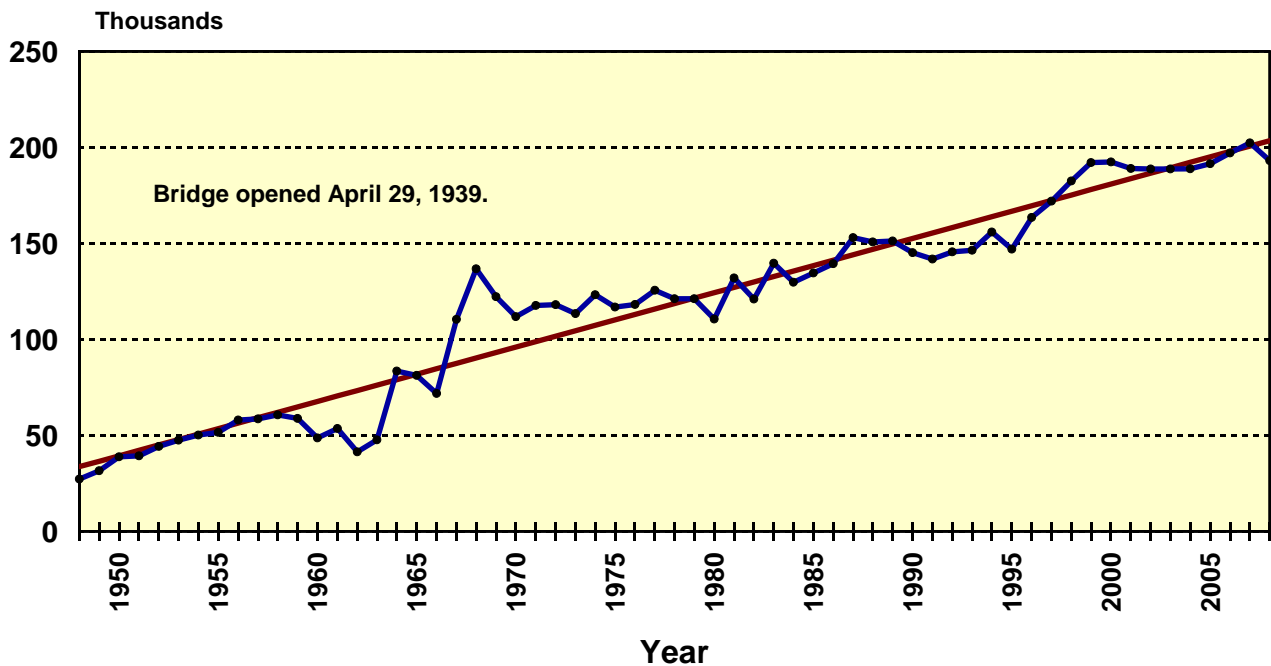
** Peak Volumes

Hourly Vehicular Volumes Whitestone Expressway Bridge - 2008

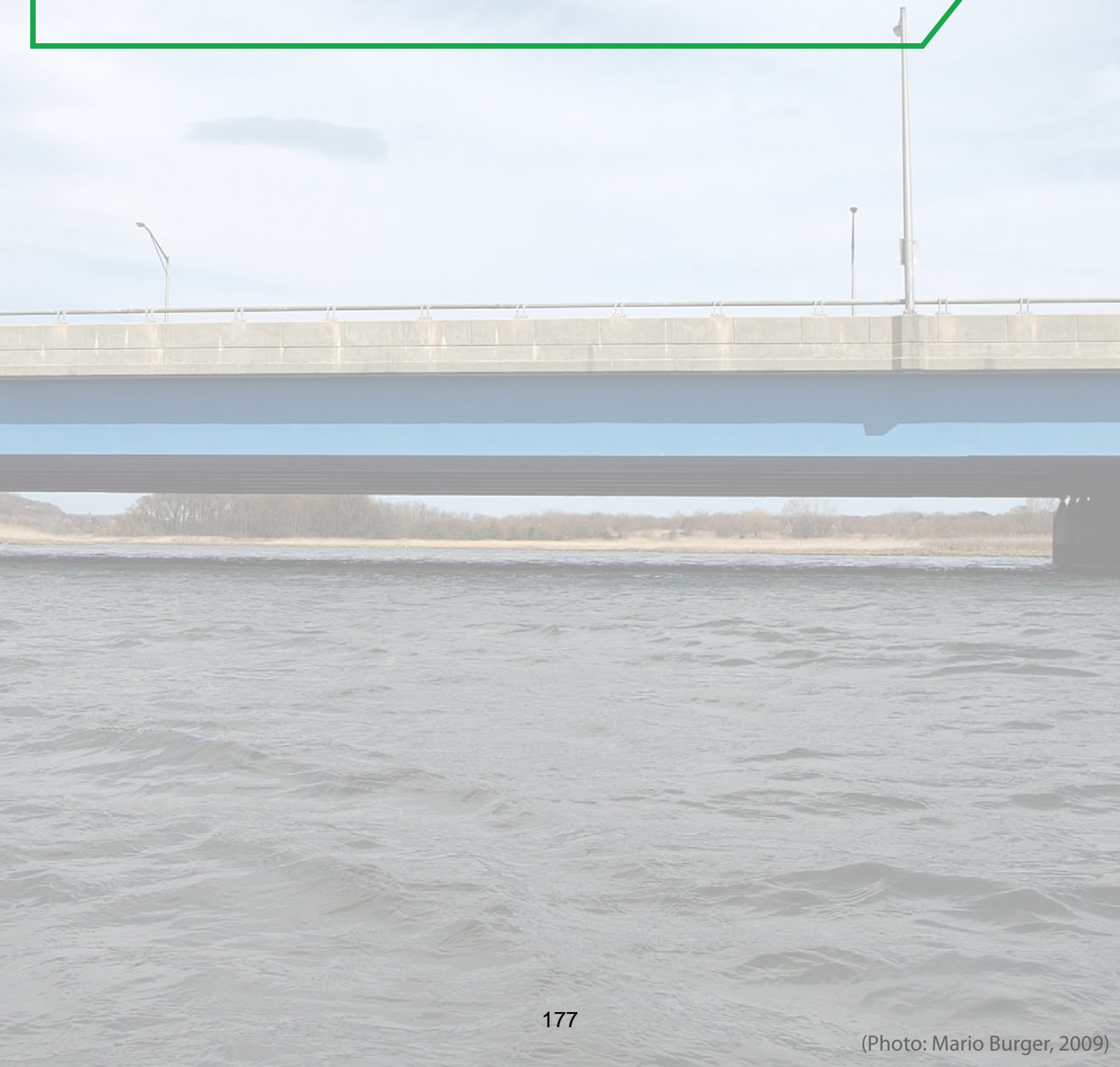


Average Daily Traffic Volumes Whitestone Expressway Bridge

1948-2008 Growth Rate = 3.0%



Staten Island Bridges



Staten Island Bridges
Average Daily Traffic Volumes
1948 - 2008

<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

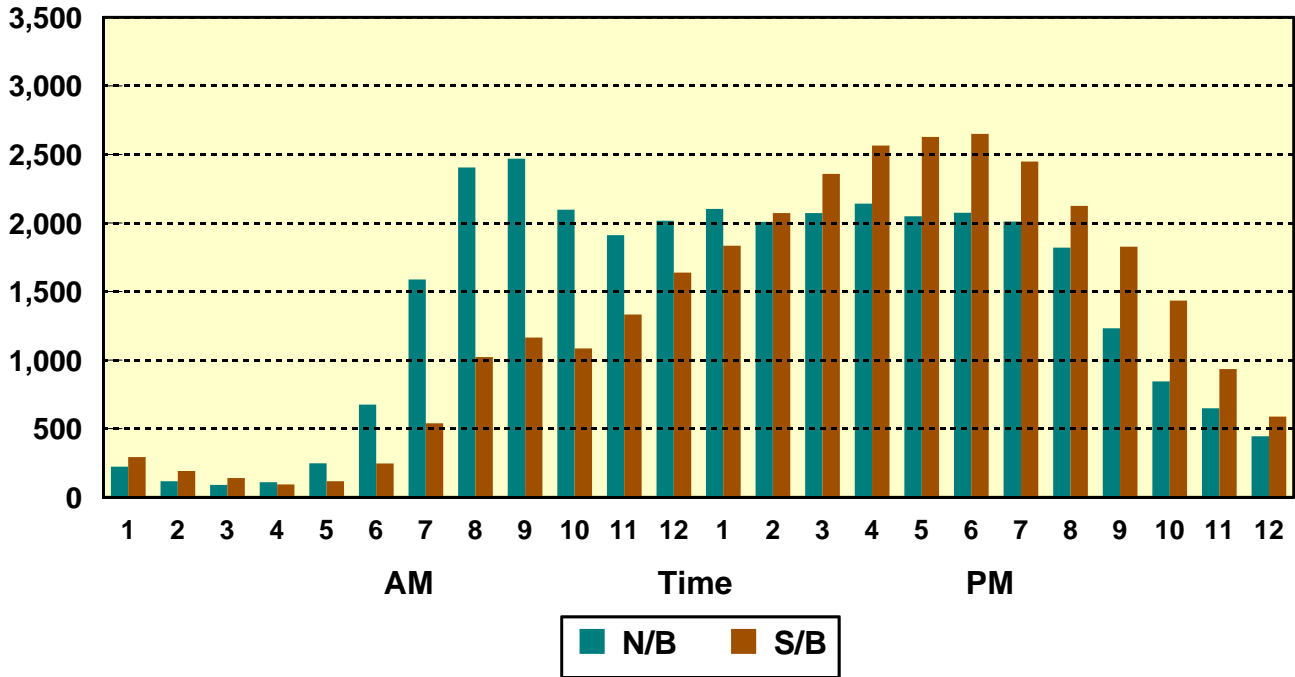
Hourly Vehicular Volumes Fresh Kills Bridge - 2008

	Northbound					Southbound					2-Way Totals	
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks		Commercial Vans
12-1am	---	---	---	---	---	222	---	---	---	---	---	292
1-2am	---	---	---	---	---	116	---	---	---	---	---	191
2-3am	---	---	---	---	90	---	---	---	---	---	---	140
3-4am	---	---	---	---	109	---	---	---	---	---	---	93
4-5am	---	---	---	---	247	---	---	---	---	---	---	116
5-6am	---	---	---	---	675	---	---	---	---	---	---	246
6-7am	---	---	---	---	1,588	---	---	---	---	---	---	539
7-8am	1,265	132	382	424	202	2,405	890	60	6	35	30	1,021
8-9am	1,061	233	458	561	157	2,470	1,036	22	4	68	34	1,164
9-10am	1,501	26	220	296	55	2,098	948	17	4	78	38	1,085
10-11am	1,669	37	75	110	21	1,912	1,243	15	0	47	27	1,332
11-12am	1,438	76	182	285	36	2,017	1,422	15	2	130	69	1,638
12-1pm	1,757	29	96	186	35	2,103	1,658	37	0	92	48	1,835
1-2pm	1,762	53	70	82	41	2,008	1,892	79	0	73	29	2,073
2-3pm	1,567	90	150	239	26	2,072	1,950	69	0	223	116	2,358
3-4pm	1,855	94	87	91	14	2,141	2,336	42	5	95	87	2,565
4-5pm	1,683	47	129	156	35	2,050	2,322	27	4	168	107	2,628
5-6pm	1,637	95	169	150	24	2,075	2,267	34	4	208	138	2,651
6-7pm	1,566	142	155	113	35	2,011	2,123	30	14	160	122	2,449
7-8pm	---	---	---	---	---	1,820	---	---	---	---	---	2,125
8-9pm	---	---	---	---	---	1,232	---	---	---	---	---	1,828
9-10pm	---	---	---	---	---	844	---	---	---	---	---	1,434
10-11pm	---	---	---	---	---	649	---	---	---	---	---	935
11-12pm	---	---	---	---	---	444	---	---	---	---	---	588
Totals	---	---	---	---	---	33,398	---	---	---	---	---	31,326
7-10am	3,827	391	1,060	1,281	414	6,973	2,874	99	14	181	102	3,270
10am-1pm	4,864	142	353	581	92	6,032	4,323	67	2	269	144	4,805
1-4pm	5,184	237	307	412	81	6,221	6,178	190	5	391	232	6,996
4-7pm	4,886	284	453	419	94	6,136	6,712	91	22	536	367	7,728
7am-7pm	18,761	1,054	2,173	2,693	681	25,362	20,087	447	43	1,377	845	22,799

Based on 1989 Classification Survey Data

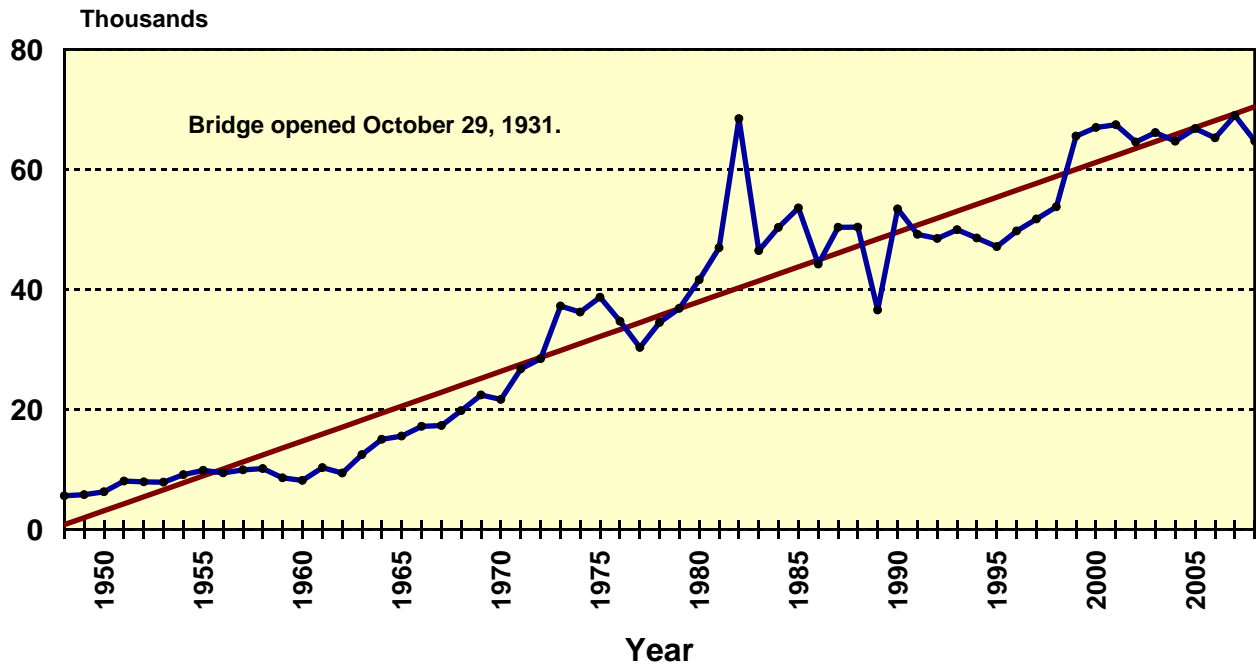
** Peak Volumes

Hourly Vehicular Volumes Fresh Kills Bridge - 2008



Average Daily Traffic Volumes Fresh Kills Bridge

1948-2008 Growth Rate = 7.8%





MTA Bridge & Tunnel Facilities

**MTABT Manhattan Facilities ~ Average Daily Traffic Volumes
1948 - 2008**

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

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.

MTABT Outer Borough Bridges ~ Average Daily Traffic Volumes 1948 - 2008

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

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.

Hourly Vehicular Volumes

Metropolitan Transportation Authority Bridges & Tunnels

2008

	Brooklyn-Battery Tunnel		Henry Hudson Bridge		Queens-Midtown Tunnel		Robert F. Kennedy Memorial Bridge (Triborough Bridge)		Totals	
	N/B	S/B	S/B	N/B	W/B	E/B	W/B	E/B	Entering Manhattan	Leaving Manhattan
12-1am	149	511	145	460	478	999	486	510	1,258	2,480
1-2am	67	266	83	190	207	458	197	248	554	1,162
2-3am	38	128	54	102	120	261	117	182	329	673
3-4am	40	88	49	60	150	198	136	194	375	540
4-5am	128	84	103	68	266	399	283	436	780	987
5-6am	757	145	476	116	1,001	701	1,040	1,041	3,274	2,003
6-7am	2,248	371	2,199	548	2,404	1,240	3,193	1,694	10,044	3,853
7-8am	2,924	662	3,395 **	1,319	3,649	1,312	4,318 **	2,057	14,286	5,350
8-9am	2,983 **	721	3,257	1,789	4,034 **	1,274	4,096	2,122	14,370 **	5,906
9-10am	2,689	768	2,849	1,184	3,532	1,327	3,617	2,047	12,687	5,326
10-11am	1,712	816	2,247	1,001	2,522	1,542	2,966	1,912	9,447	5,271
11-12am	1,471	949	1,743	1,071	2,658	1,761	2,813	2,007	8,685	5,788
12-1pm	1,464	977	1,611	1,201	2,506	2,007	2,580	2,093	8,161	6,278
1-2pm	1,353	1,131	1,433	1,363	2,295	2,383	2,511	2,214	7,592	7,091
2-3pm	1,466	1,471	1,733	1,700	2,449	2,702	2,852	2,551	8,500	8,424
3-4pm	1,529	1,841	2,211	2,459	2,463	2,887 **	3,238	2,893	9,441	10,080
4-5pm	1,483	2,313	2,357	2,579	2,535	2,869	3,121	2,923	9,496	10,684
5-6pm	1,376	2,446 **	2,860	3,067 **	2,767	2,852	3,578	3,069 **	10,581	11,434 **
6-7pm	1,377	2,416	2,928	3,012	2,796	2,623	3,334	2,764	10,435	10,815
7-8pm	1,241	2,002	1,874	2,581	2,240	2,138	2,826	2,451	8,181	9,172
8-9pm	869	2,001	1,206	1,861	1,794	2,196	1,889	2,058	5,758	8,116
9-10pm	777	1,604	985	1,781	1,615	2,219	1,776	1,727	5,153	7,331
10-11pm	720	1,304	653	1,786	1,395	2,182	1,468	1,607	4,236	6,879
11-12pm	314	847	332	1,020	893	1,410	951	960	2,490	4,237
Totals	29,175	25,862	36,783	32,318	46,769	39,940	53,386	41,760	166,113	139,880
7-10am	8,596	2,151	9,501	4,292	11,215	3,913	12,031	6,226	41,343	16,582
10am-1pm	4,647	2,742	5,601	3,273	7,686	5,310	8,359	6,012	26,293	17,337
1-4pm	4,348	4,443	5,377	5,522	7,207	7,972	8,601	7,658	25,533	25,595
4-7pm	4,236	7,175	8,145	8,658	8,098	8,344	10,033	8,756	30,512	32,933
7am-7pm	21,827	16,511	28,624	21,745	34,206	25,539	39,024	28,652	123,681	92,447

** Peak Volumes

Hourly Vehicular Volumes

Metropolitan Transportation Authority Bridges & Tunnels 2008

	Robert F. Kennedy																	
	Bronx-Whitestone Bridge			Cross Bay Bridge			Marine Parkway			Memorial Bridge (Triborough Bridge)								
	N/B	S/B	S/B	N/B	S/B	S/B	N/B	S/B	S/B	N/B	S/B	S/B	N/B	S/B	S/B	N/B	S/B	S/B
12-1am	818	757	178	86	142	65	630	452	580	685	2,753	1,721	2,753	1,721	580	685	2,753	1,721
1-2am	484	467	92	48	60	33	332	329	381	531	1,427	998	1,427	381	531	1,427	998	998
2-3am	337	382	54	46	46	24	263	276	330	381	776	663	776	330	381	776	663	663
3-4am	363	455	39	57	31	26	288	364	369	349	627	549	627	369	349	627	549	549
4-5am	626	888	58	154	42	60	484	598	687	546	640	695	640	687	546	640	695	695
5-6am	1,558	1,893	123	479	88	275	940	1,240	2,167	1,168	1,031	1,280	1,031	2,167	1,168	1,031	1,280	1,280
6-7am	3,098	3,366	317	911	295	712	1,958	2,543	4,646	2,373	3,543	2,771	3,543	4,646	2,373	3,543	2,771	2,771
7-8am	4,054	3,381	490	1,233 **	389	1,434 **	2,637 **	2,456	4,718 **	3,136	8,704	3,865	8,704	4,718 **	3,136	3,136	8,704	3,865
8-9am	4,181 **	3,367	452	965	426	1,048	2,613	2,320	4,196	3,131	10,128 **	4,424	10,128 **	4,196	3,131	4,196	4,424	4,424
9-10am	3,253	2,956	416	602	377	715	2,271	2,218	3,732	2,772	8,249	3,975	8,249	3,732	2,772	3,732	8,249	3,975
10-11am	2,758	2,675	403	503	362	560	1,920	1,942	2,989	2,430	6,326	4,024	6,326	2,989	2,430	2,989	6,326	4,024
11-12am	2,388	2,594	427	491	407	514	1,874	1,945	2,788	2,400	5,044	4,046	5,044	2,788	2,400	2,788	5,044	4,046
12-1pm	2,485	2,682	425	526	447	485	1,864	1,927	2,656	2,506	4,455	4,196	4,455	2,656	2,506	2,656	4,455	4,196
1-2pm	2,618	2,963	499	539	499	499	1,911	2,086	2,614	2,802	4,236	4,612	4,236	2,614	2,802	2,614	4,236	4,612
2-3pm	2,983	3,427	628	663	657	537	2,052	2,289	2,891	3,644	4,462	6,085	4,462	2,891	3,644	2,891	4,462	6,085
3-4pm	3,328	4,034	840	715	883	637	2,448	2,530	3,071	4,612 **	4,957	7,887	4,957	3,071	4,612 **	3,071	4,957	7,887
4-5pm	3,407	4,046	860	628	947	642	2,481	2,488	3,073	4,348	5,930	8,141	5,930	3,073	4,348	3,073	5,930	8,141
5-6pm	3,496	4,174 **	925 **	638	987 **	615	2,373	2,668 **	2,947	4,505	6,324	8,293 **	6,324	2,947	4,505	2,947	6,324	8,293 **
6-7pm	3,045	3,932	909	551	948	571	2,032	2,150	2,827	4,130	6,322	7,155	6,322	2,827	4,130	2,827	6,322	7,155
7-8pm	2,817	3,800	747	407	768	412	1,846	1,963	2,713	3,597	5,582	6,046	5,582	2,713	3,597	2,713	5,582	6,046
8-9pm	2,503	2,867	597	350	630	317	1,460	1,493	2,175	2,678	4,537	5,190	4,537	2,175	2,678	2,175	4,537	5,190
9-10pm	2,339	2,286	497	257	522	253	1,487	1,203	1,842	2,043	3,680	4,314	3,680	1,842	2,043	1,842	3,680	4,314
10-11pm	2,093	1,981	394	209	396	179	1,267	1,078	1,474	1,587	3,385	3,602	3,385	1,474	1,587	1,474	3,385	3,602
11-12pm	1,369	1,241	282	166	229	143	894	723	945	1,154	3,316	2,541	3,316	945	1,154	945	3,316	2,541
Totals	56,401	60,614	10,652	11,224	10,601	10,756	38,325	39,281	56,811	57,508	106,434	97,073	106,434	56,811	57,508	56,811	106,434	97,073

** Peak Volumes

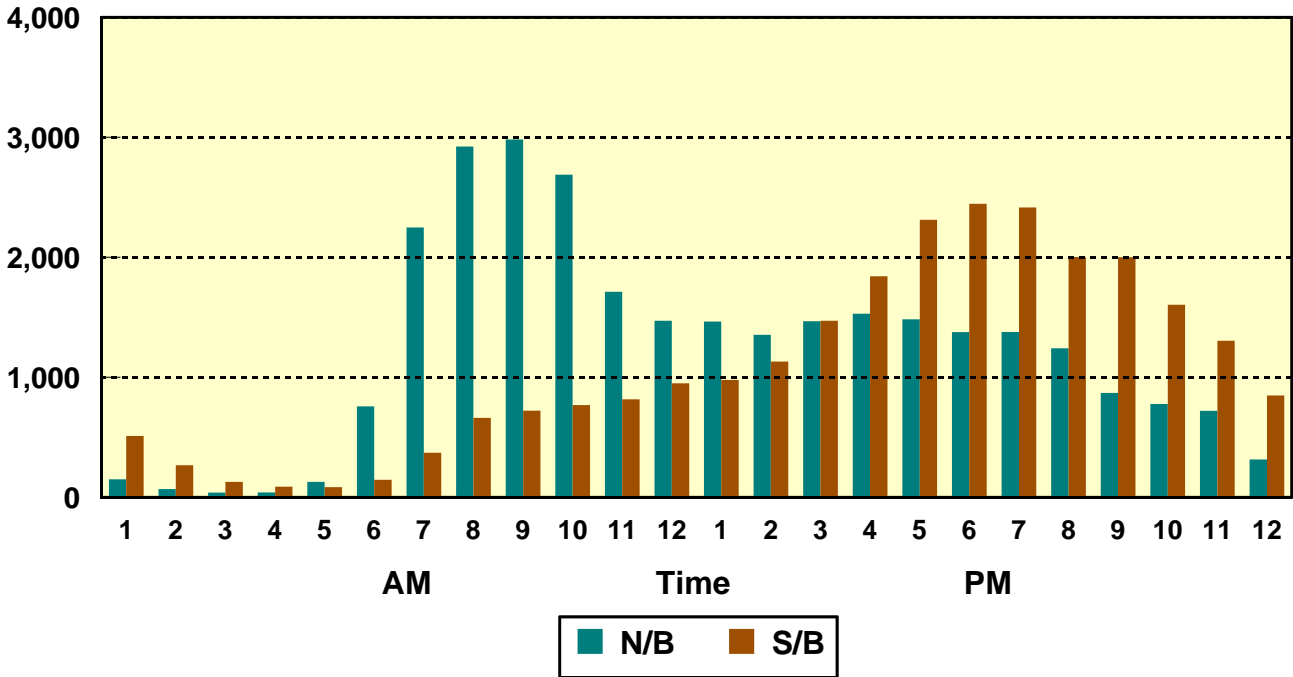
Hourly Vehicular Volumes Brooklyn Battery Tunnel - 2008

FHWA Classes ▲	Northbound to Manhattan							Southbound to Brooklyn							2-Way Grand Totals
	Commuter Vans			Single Unit Trucks	Tractor Trailers	Total Vehicles	Commuter Vans			Single Unit Trucks	Tractor Trailers	Total Vehicles			
	Autos & Motorcycles	Large SUVs	Buses				Autos & Motorcycles	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	128	5	8	8	0	149				465	10	31	5	511	
1-2am	58	3	5	1	0	67				254	0	11	1	266	
2-3am	34	0	2	2	0	38				121	2	3	2	128	
3-4am	33	1	4	2	0	40				86	0	0	0	88	
4-5am	82	5	32	9	0	128				77	0	5	2	84	
5-6am	680	8	61	8	0	757				130	1	10	4	145	
6-7am	2,007	14	202	25	0	2,248				276	6	78	11	371	
7-8am	2,566	16	303	39	0	2,924				477	7	160	18	662	
8-9am	2,607	15	325	36	0	2,983	**			527	6	171	17	721	
9-10am	2,454	20	175	40	0	2,689				590	7	150	21	768	
10-11am	1,557	21	87	46	1	1,712				714	9	76	17	816	
11-12am	1,364	13	60	33	1	1,471				857	9	64	19	949	
12-1pm	1,346	15	71	31	1	1,464				899	11	49	18	977	
1-2pm	1,223	12	83	35	0	1,353				1,021	12	73	25	1,131	
2-3pm	1,318	11	111	26	0	1,466				1,346	15	84	26	1,471	
3-4pm	1,365	6	145	13	0	1,529				1,678	12	128	23	1,841	
4-5pm	1,292	5	175	10	1	1,483				2,097	7	189	20	2,313	
5-6pm	1,226	3	138	6	3	1,376				2,175	6	250	14	2,446	
6-7pm	1,278	4	86	8	1	1,377				2,219	6	179	11	2,416	
7-8pm	1,179	1	57	4	0	1,241				1,887	5	102	8	2,002	
8-9pm	826	5	32	6	0	869				1,869	9	112	11	2,001	
9-10pm	738	2	34	3	0	777				1,516	5	67	16	1,604	
10-11pm	683	1	32	4	0	720				1,252	6	36	10	1,304	
11-12pm	278	0	26	10	0	314				800	6	33	8	847	
Totals	26,322	186	2,254	405	8	29,175				23,333	157	2,061	309	25,862	
7-10am	7,627	51	803	115	0	8,596				1,594	20	481	56	2,151	
10am-1pm	4,267	49	218	110	3	4,647				2,470	29	189	54	2,742	
1-4pm	3,906	29	339	74	0	4,348				4,045	39	285	74	4,443	
4-7pm	3,796	12	399	24	5	4,236				6,491	19	618	45	7,175	
7am-7pm	19,596	141	1,759	323	8	21,827				14,600	107	1,573	229	16,511	

Based on May 2006 Classification Survey Data.

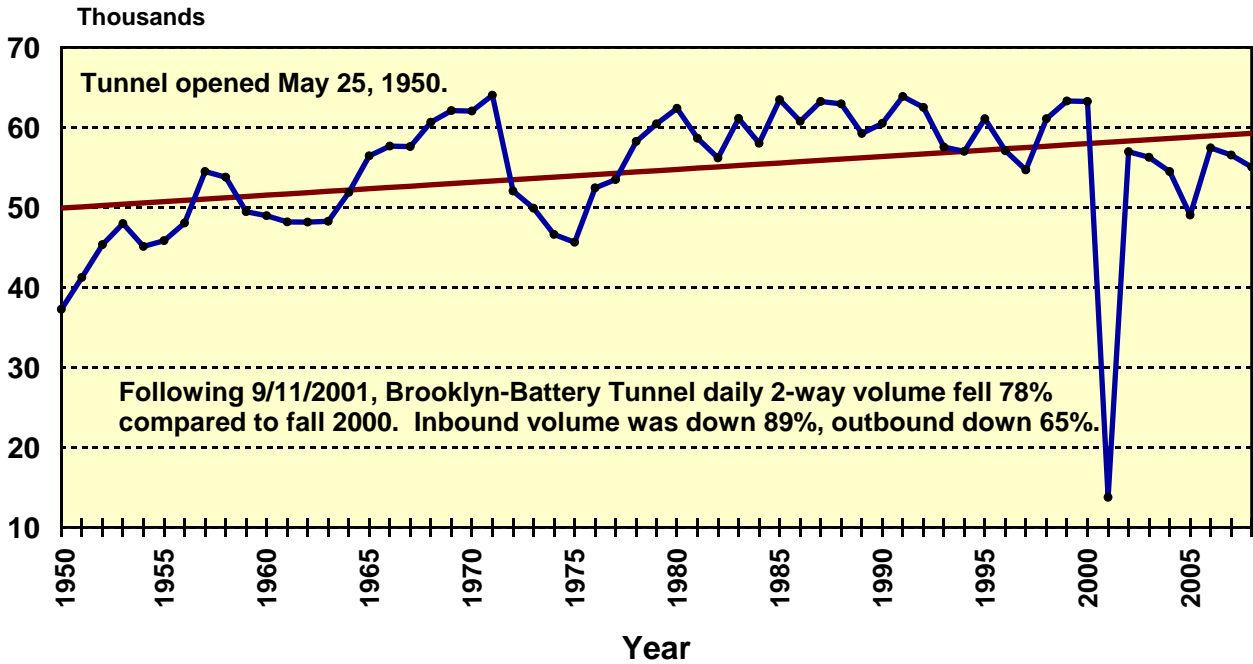
** Peak Volumes

Hourly Vehicular Volumes Brooklyn-Battery Tunnel - 2008



Average Daily Traffic Volumes Brooklyn-Battery Tunnel

1950-2008 Growth Rate = 0.3%



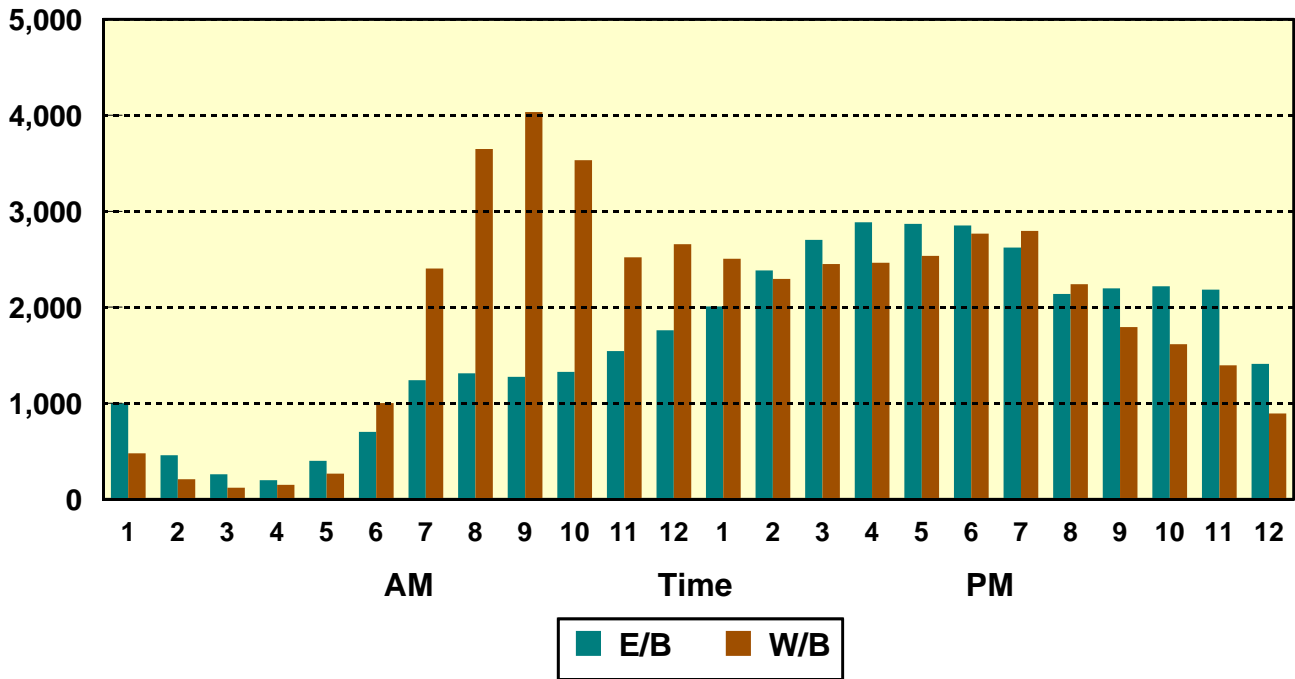
Hourly Vehicular Volumes Queens-Midtown Tunnel - 2008

FHWA Classes ▲	Westbound to Manhattan										Eastbound to Queens										2-Way Grand Totals
	Commuter Vans Commercial Vans					Single Unit Trucks	Tractor Trailers	Total Vehicles	Commuter Vans Commercial Vans					Single Unit Trucks	Tractor Trailers	Total Vehicles					
	Autos & Motorcycles	Large SUVs	Buses	4	5-7				8-13	Autos & Motorcycles	Large SUVs	Buses	4				5-7	8-13			
12-1am	462	2	3	11	0	478	964	9	1	25	0	999	1,477								
1-2am	198	2	0	7	0	207	437	4	0	17	0	458	665								
2-3am	112	1	1	6	0	120	245	5	0	11	0	261	381								
3-4am	136	1	3	10	0	150	177	9	0	12	0	198	348								
4-5am	214	5	14	33	0	266	328	28	4	38	1	399	665								
5-6am	873	10	49	69	0	1,001	624	18	11	48	0	701	1,702								
6-7am	2,054	84	152	114	0	2,404	1,123	34	48	35	0	1,240	3,644								
7-8am	3,146	129	230	143	1	3,649	1,167	50	62	33	0	1,312	4,961								
8-9am	3,627	114	142	151	0	4,034	1,112	41	77	44	0	1,274	5,308								
9-10am	3,184	90	159	96	3	3,532	1,164	50	68	45	0	1,327	4,859								
10-11am	2,289	70	85	76	2	2,522	1,338	62	74	68	0	1,542	4,064								
11-12am	2,464	66	63	65	0	2,658	1,563	60	76	62	0	1,761	4,419								
12-1pm	2,325	38	57	86	0	2,506	1,798	64	55	90	0	2,007	4,513								
1-2pm	2,094	65	68	68	0	2,295	2,116	108	61	98	0	2,383	4,678								
2-3pm	2,223	59	112	55	0	2,449	2,506	77	46	73	0	2,702	5,151								
3-4pm	2,190	51	160	62	0	2,463	2,669	65	67	86	0	2,887	5,350								
4-5pm	2,317	31	155	32	0	2,535	2,647	78	67	77	0	2,869	5,404								
5-6pm	2,599	18	127	23	0	2,767	2,691	45	73	43	0	2,852	5,619								
6-7pm	2,673	19	78	26	0	2,796	2,492	32	60	39	0	2,623	5,419								
7-8pm	2,159	14	51	16	0	2,240	2,039	21	58	20	0	2,138	4,378								
8-9pm	1,706	23	32	33	0	1,794	2,086	26	41	43	0	2,196	3,990								
9-10pm	1,552	15	19	29	0	1,615	2,128	23	23	44	1	2,219	3,834								
10-11pm	1,337	9	14	35	0	1,395	2,104	22	12	44	0	2,182	3,577								
11-12pm	867	7	4	15	0	893	1,373	4	4	29	0	1,410	2,303								
Totals	42,801	923	1,778	1,261	6	46,769	36,891	935	988	1,124	2	39,940	86,709								
7-10am	9,957	333	531	390	4	11,215	3,443	141	207	122	0	3,913	15,128								
10am-1pm	7,078	174	205	227	2	7,686	4,699	186	205	220	0	5,310	12,996								
1-4pm	6,507	175	340	185	0	7,207	7,291	250	174	257	0	7,972	15,179								
4-7pm	7,589	68	360	81	0	8,098	7,830	155	200	159	0	8,344	16,442								
7am-7pm	31,131	750	1,436	883	6	34,206	23,263	732	786	758	0	25,539	59,745								

Based on May 2006 Classification Survey Data.

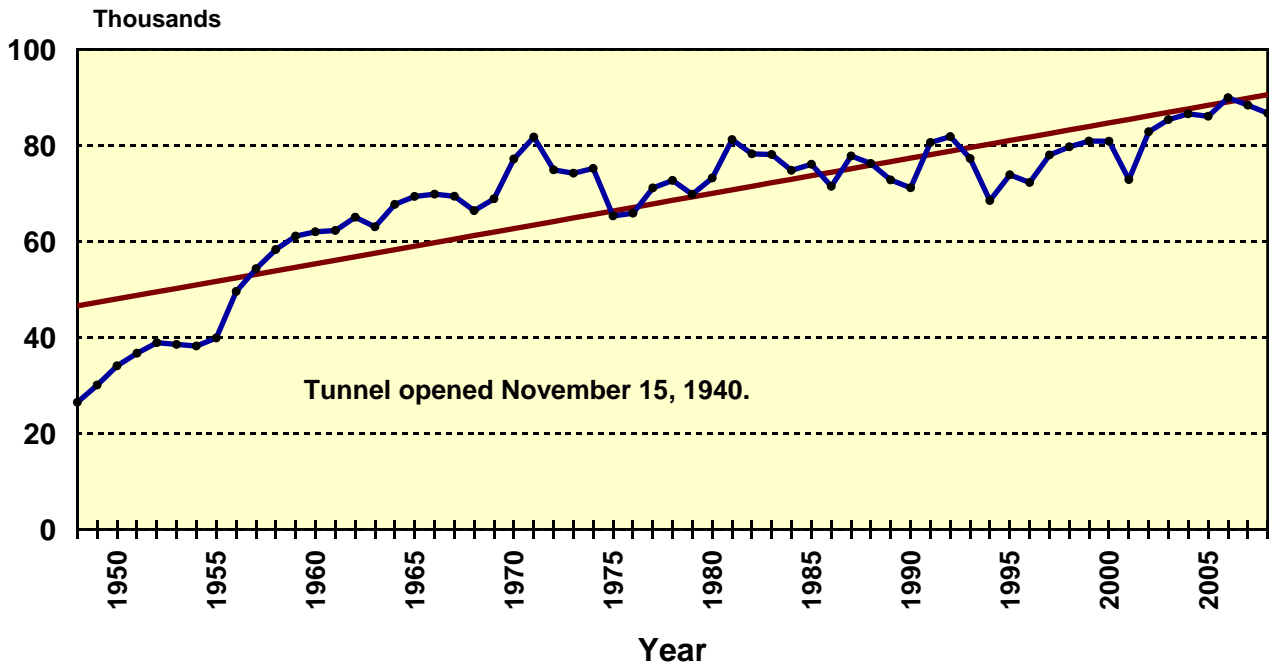
** Peak Volumes

Hourly Vehicular Volumes Queens-Midtown Tunnel - 2008

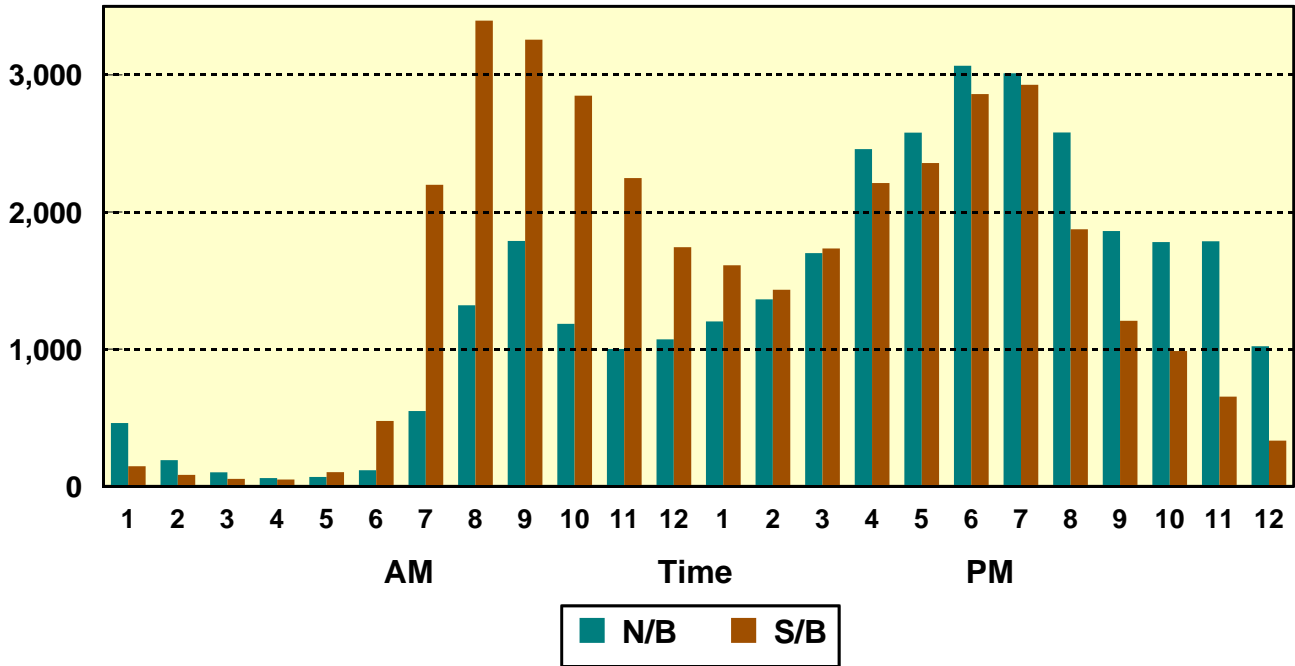


Average Daily Traffic Volumes Queens-Midtown Tunnel

1948-2008 Growth Rate = 1.1%

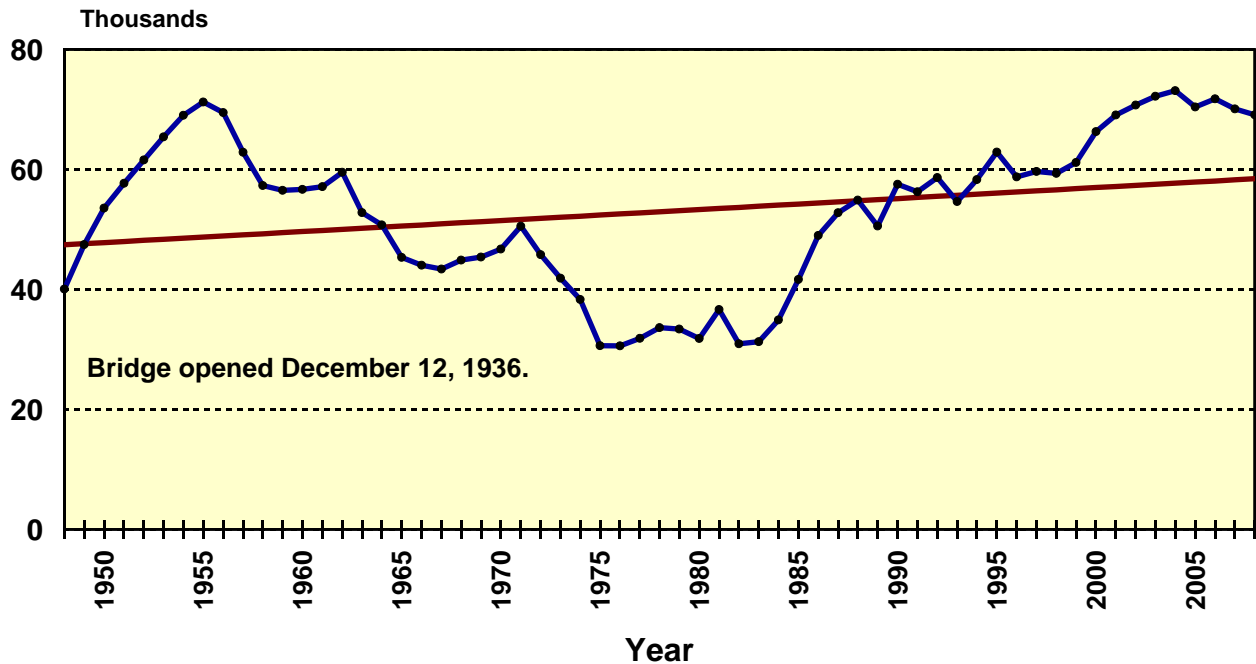


Hourly Vehicular Volumes Henry Hudson Bridge - 2008



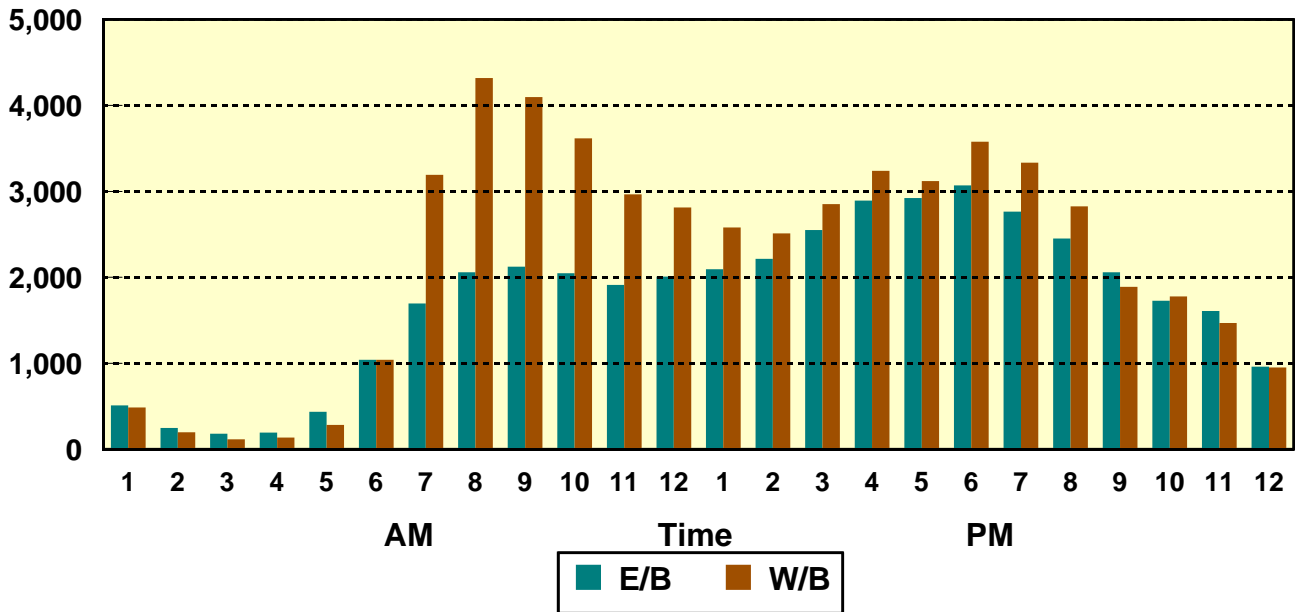
Average Daily Traffic Volumes Henry Hudson Bridge

1948-2008 Growth Rate = 0.3%



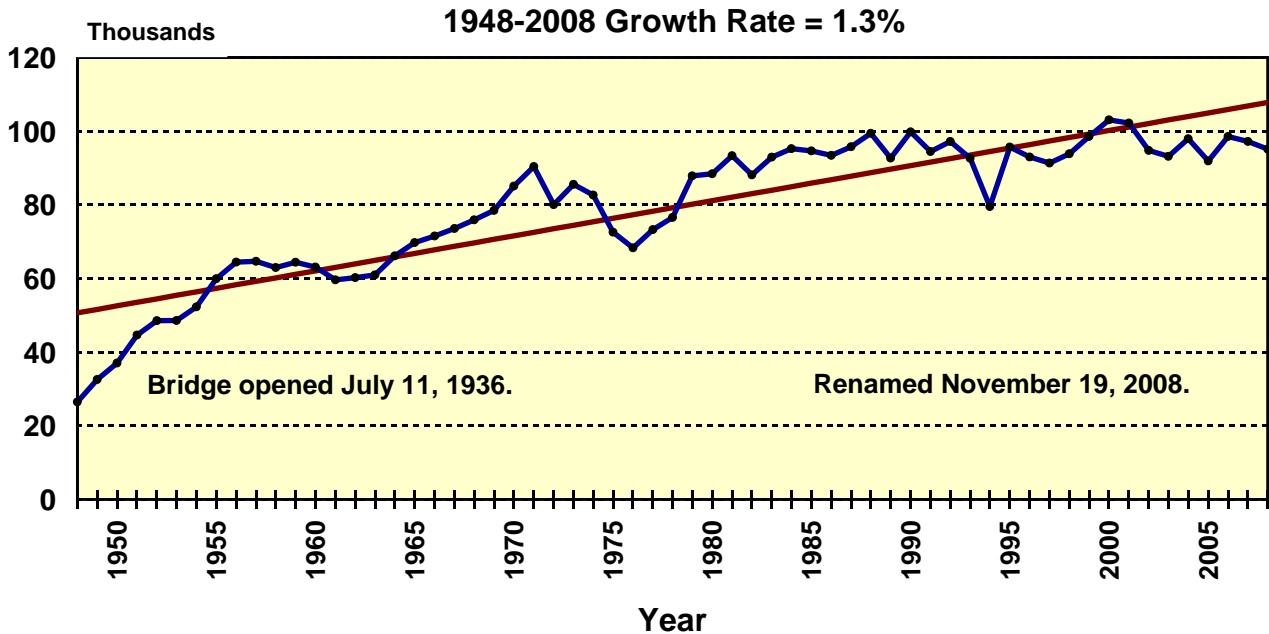
Hourly Vehicular Volumes

Robert F. Kennedy Memorial Bridge, Manhattan Plaza - 2008 (Triborough Bridge)

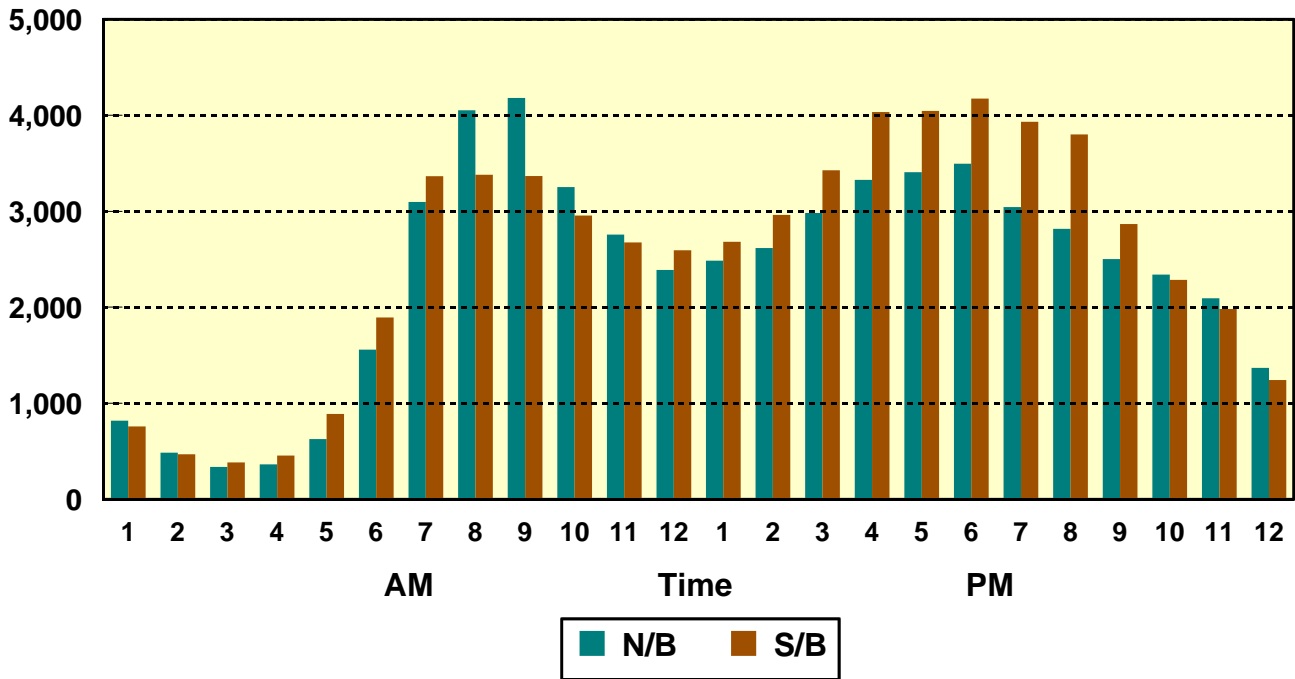


Average Daily Traffic Volumes

Robert F. Kennedy Memorial Bridge, Manhattan Plaza (Triborough Bridge)

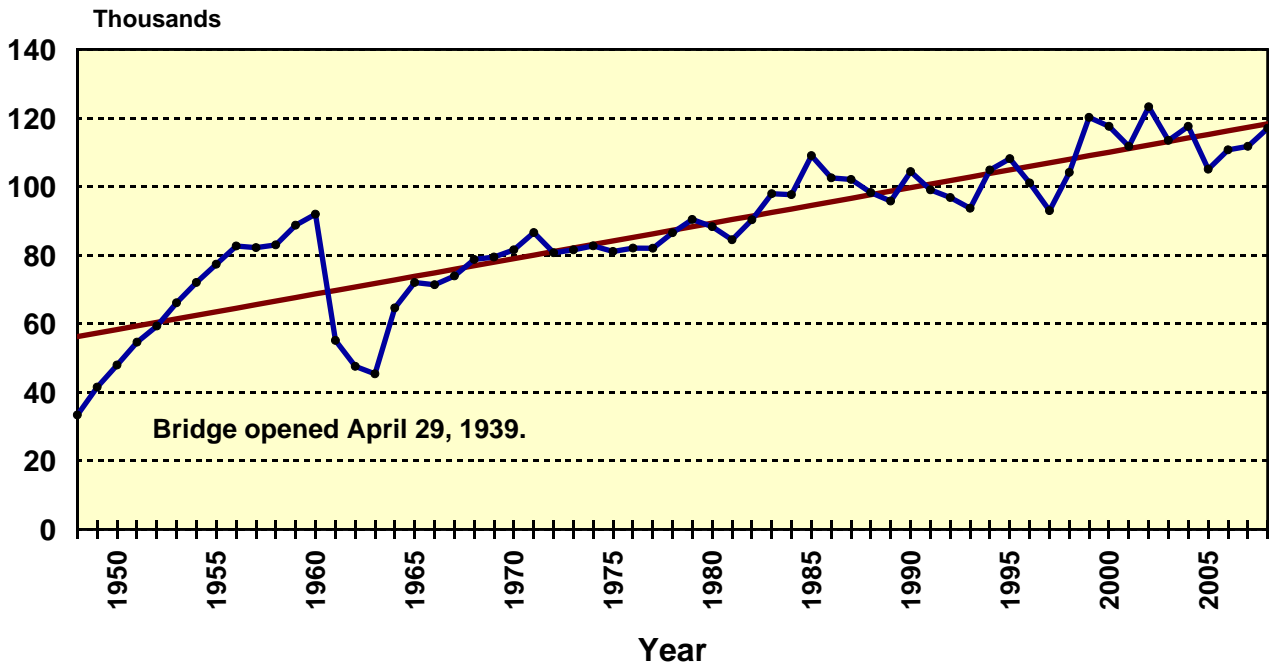


Hourly Vehicular Volumes Bronx-Whitestone Bridge - 2008

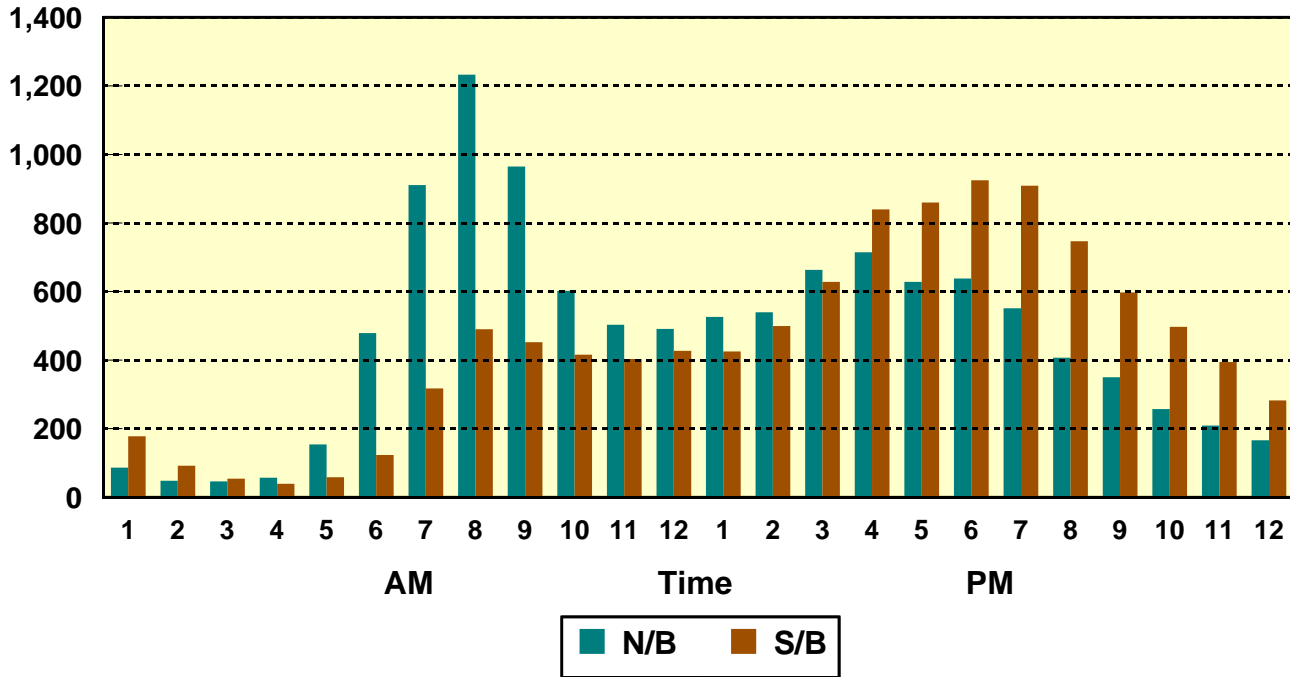


Average Daily Traffic Volumes Bronx-Whitestone Bridge

1948-2008 Growth Rate = 1.2%

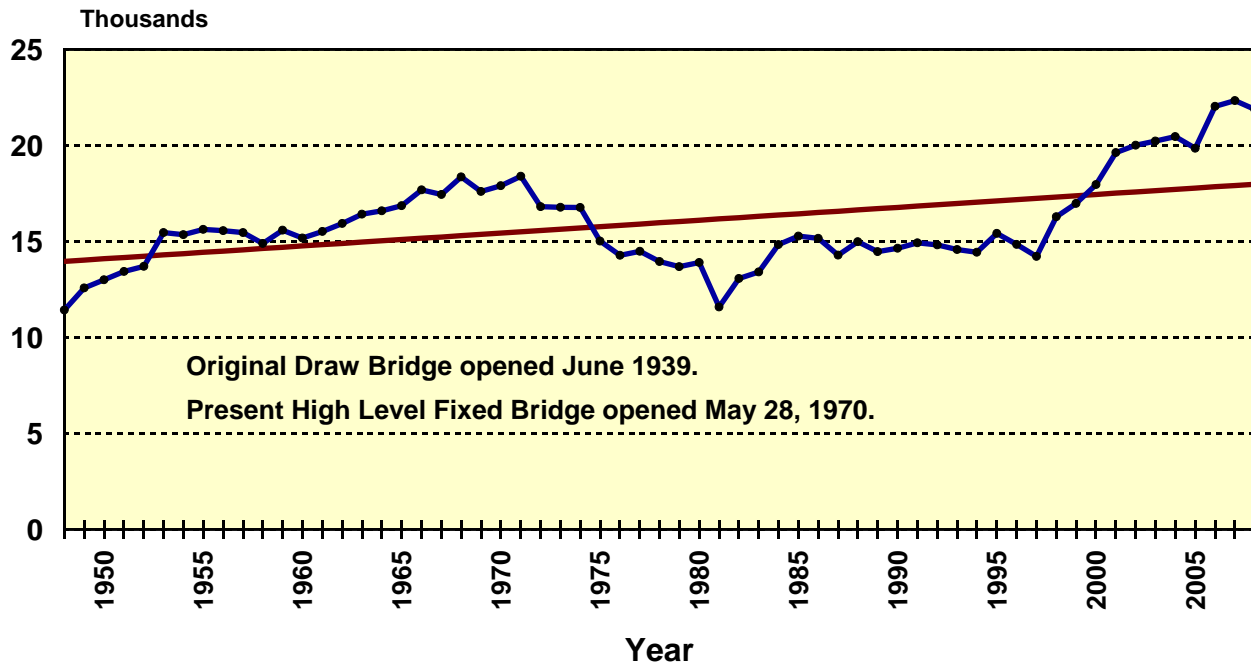


Hourly Vehicular Volumes Cross Bay Bridge - 2008



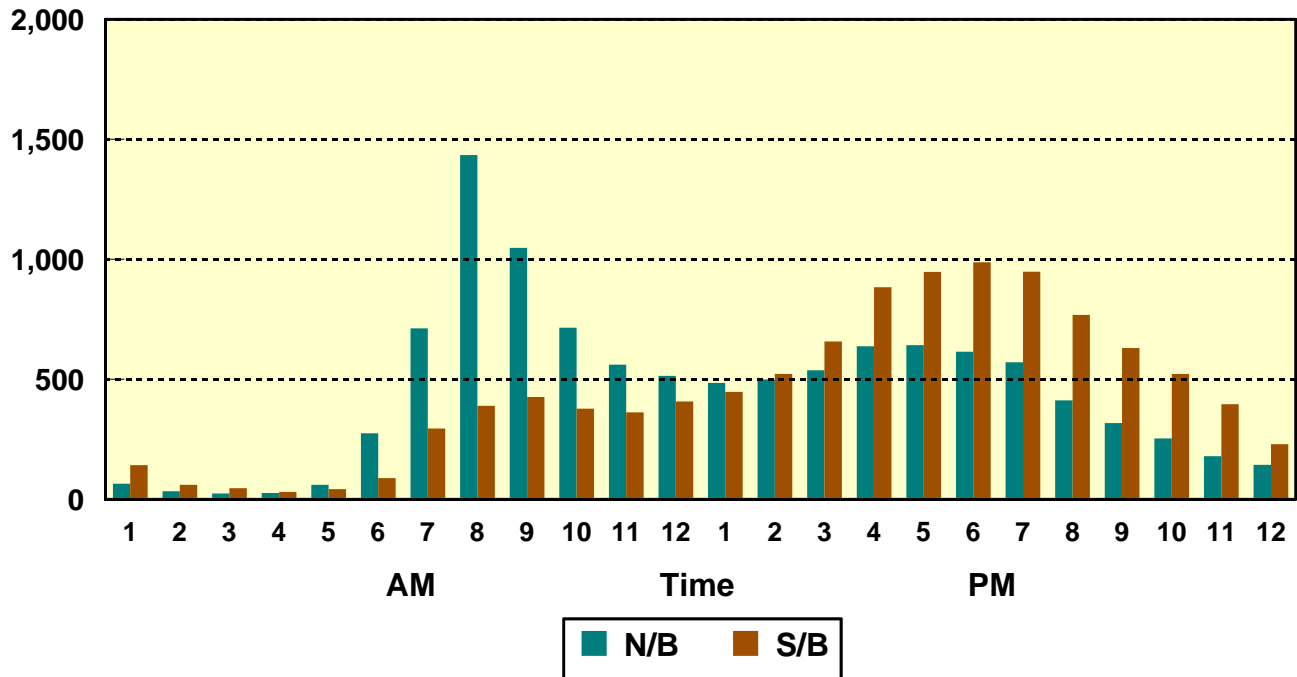
Average Daily Traffic Volumes Cross Bay Bridge

1948-2008 Growth Rate = 0.4%



Hourly Vehicular Volumes

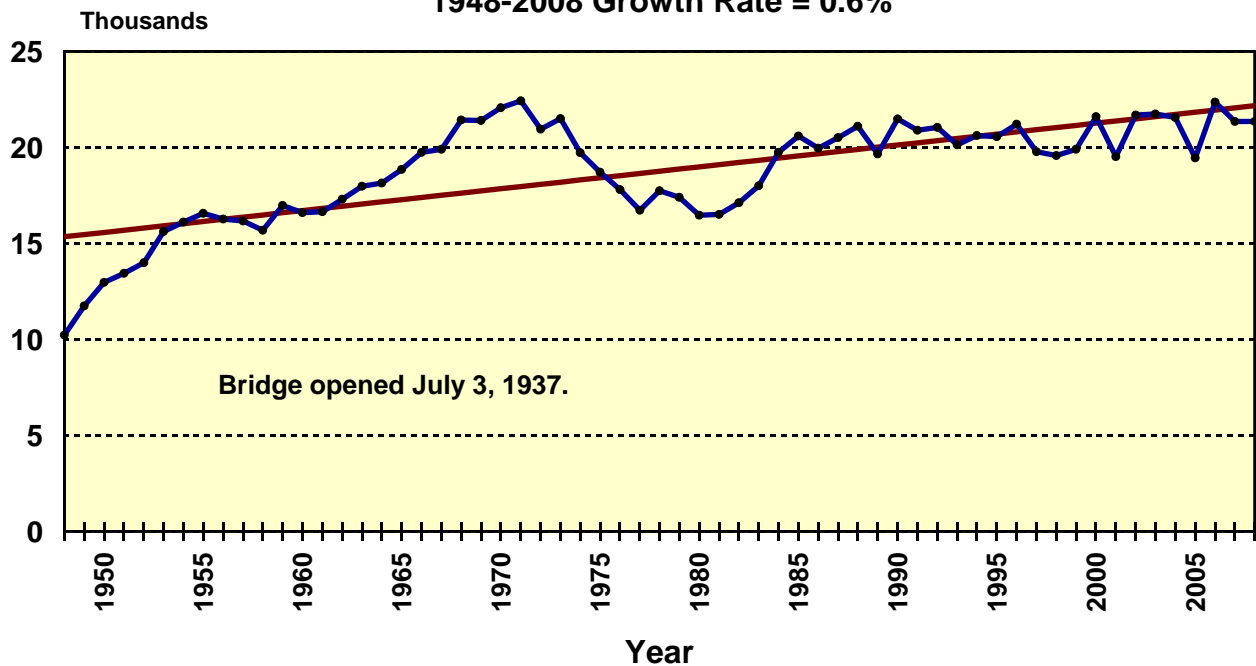
Marine Parkway Gil Hodges Memorial Bridge - 2008



Average Daily Traffic Volumes

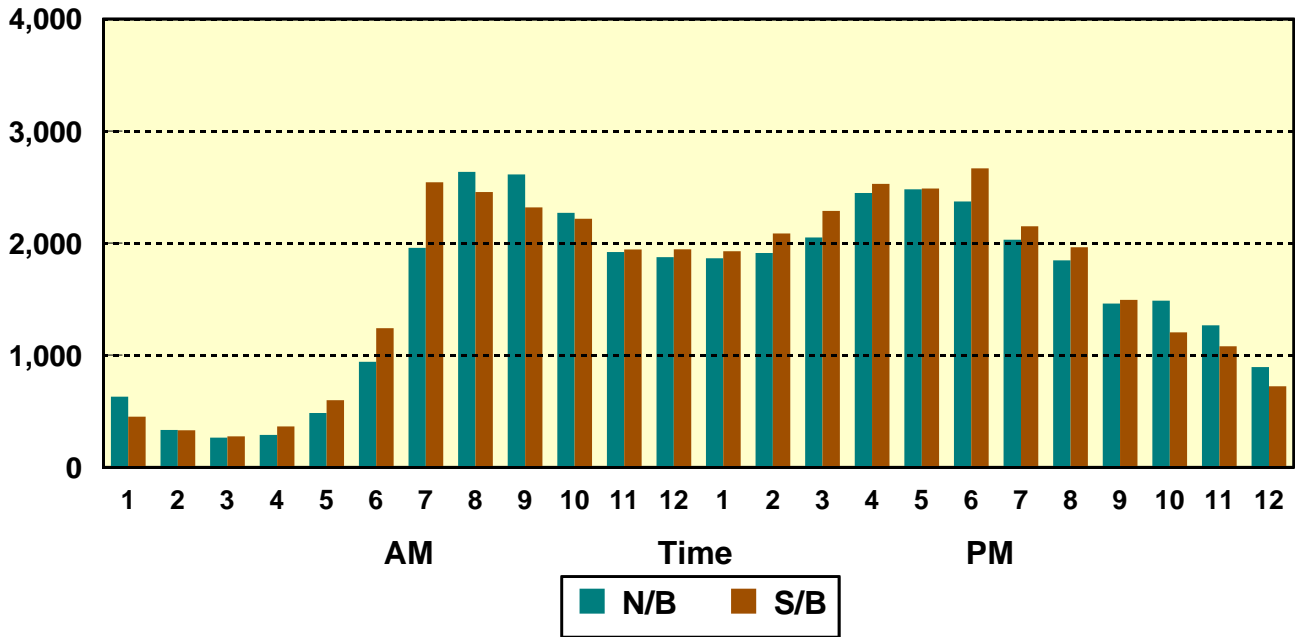
Marine Parkway Gil Hodges Memorial Bridge

1948-2008 Growth Rate = 0.6%



Hourly Vehicular Volumes

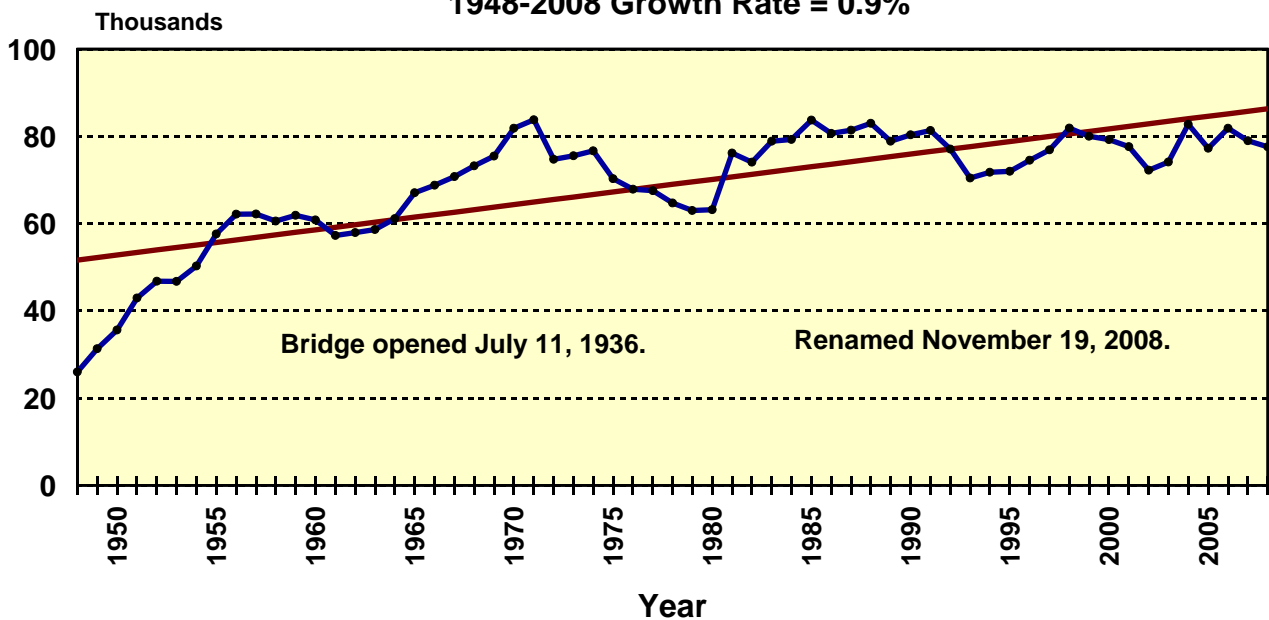
Robert F. Kennedy Memorial Bridge, Bronx Plaza - 2008 (Triborough Bridge)



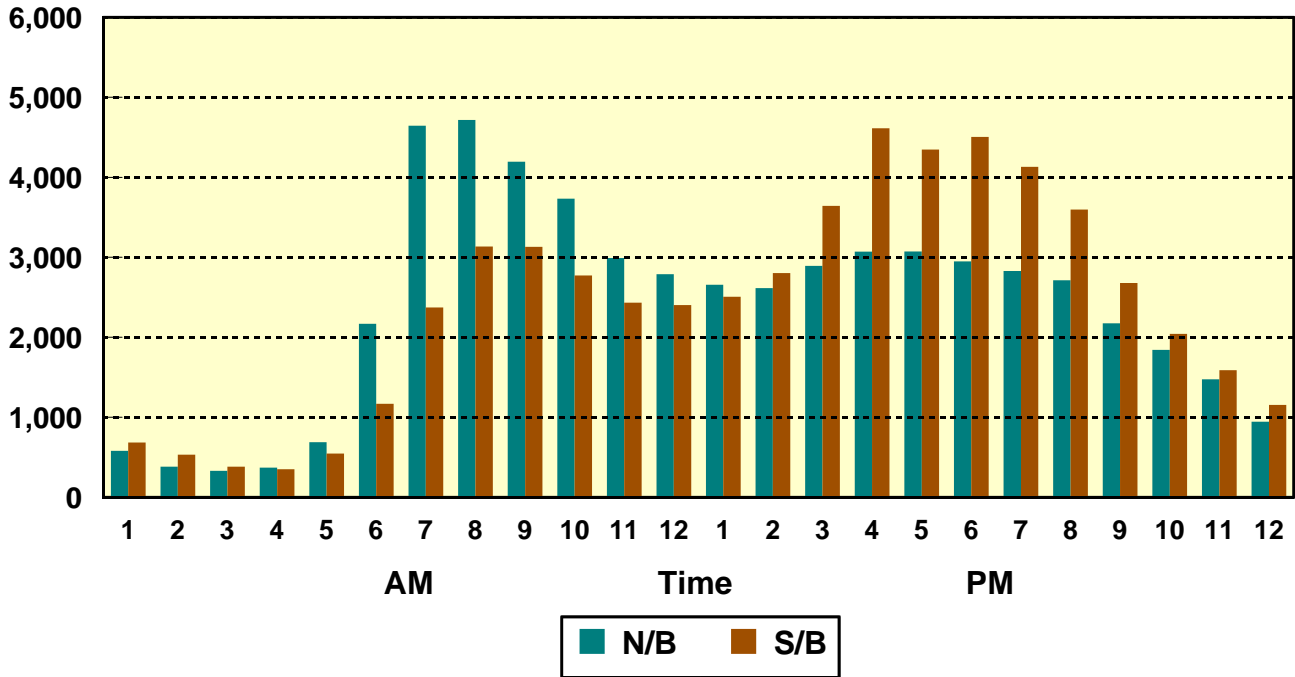
Average Daily Traffic Volumes

Robert F. Kennedy Memorial Bridge, Bronx Plaza (Triborough Bridge)

1948-2008 Growth Rate = 0.9%

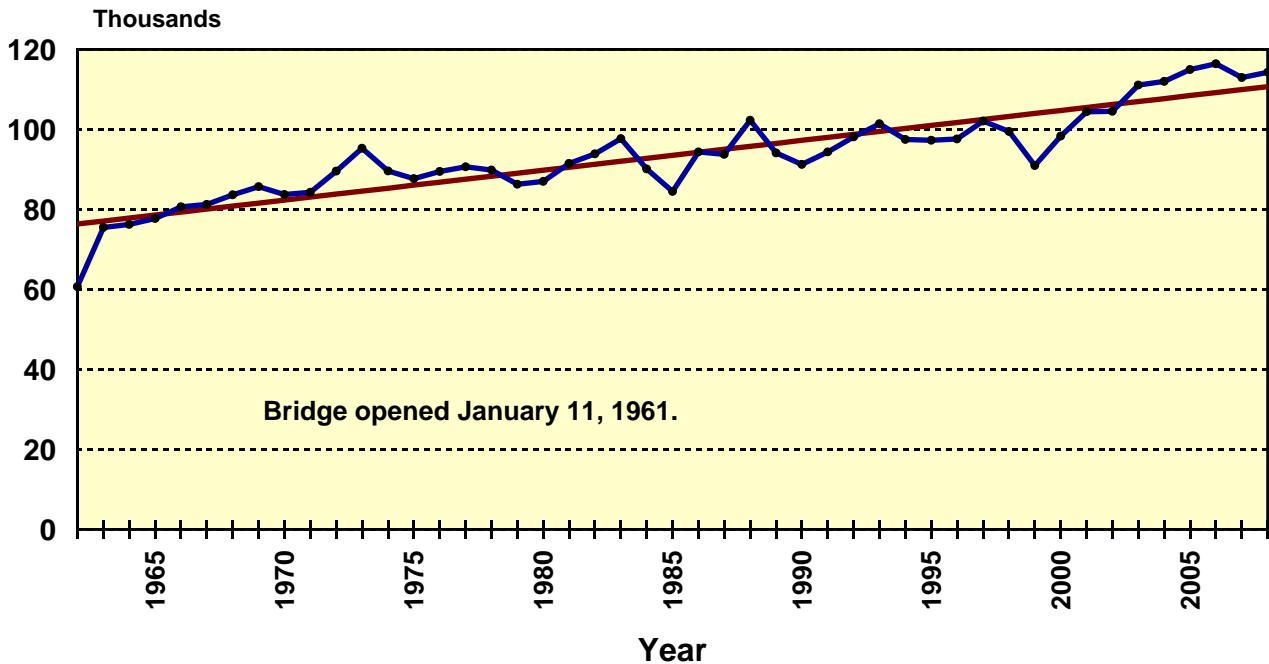


Hourly Vehicular Volumes Throgs Neck Bridge - 2008

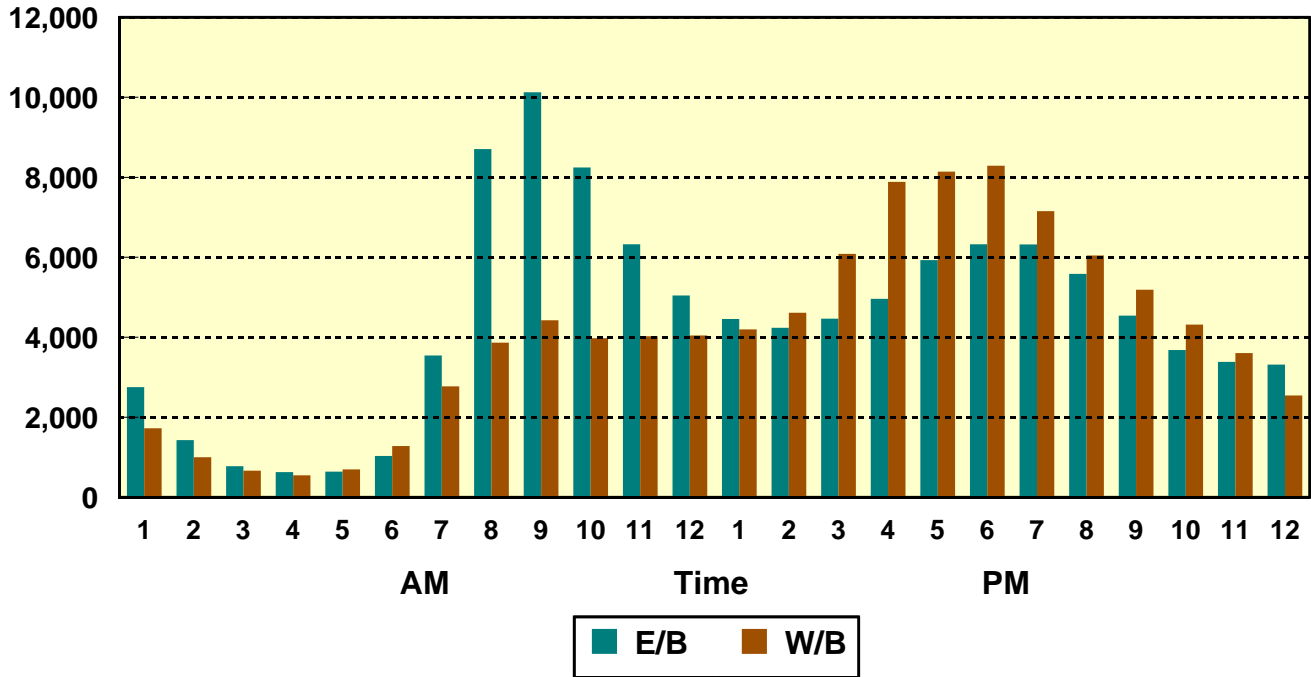


Average Daily Traffic Volumes Throgs Neck Bridge

1962-2008 Growth Rate = 0.8%

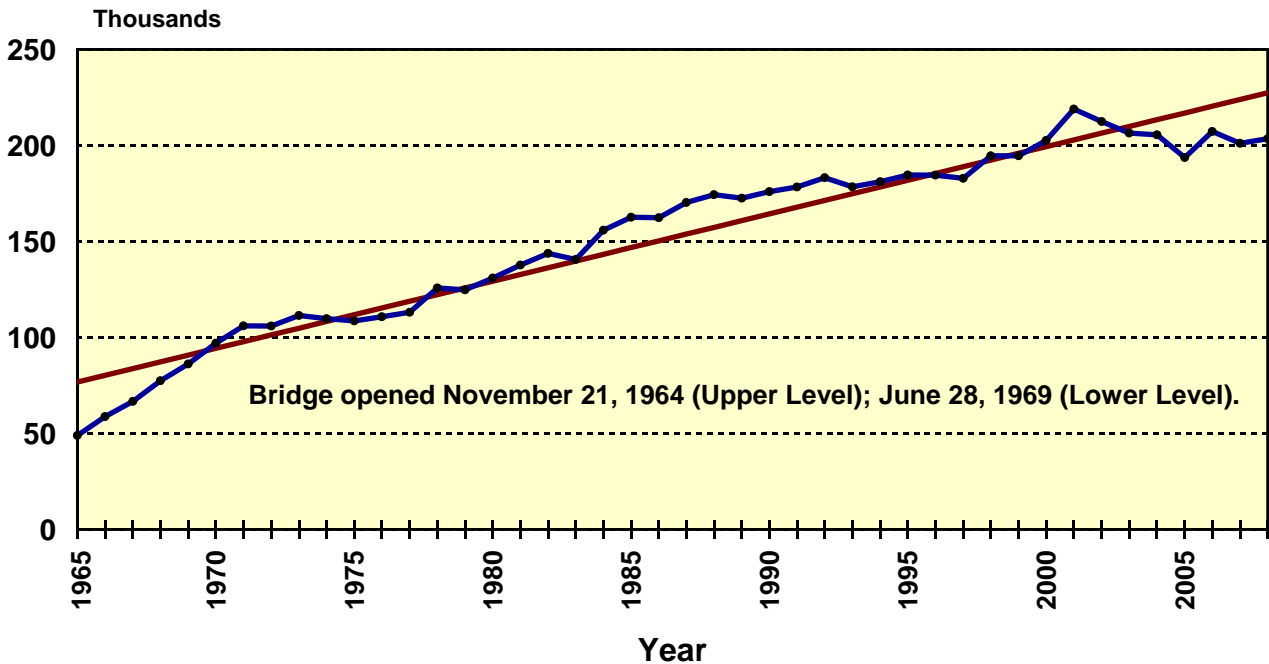


Hourly Vehicular Volumes Verrazano-Narrows Bridge - 2008



Average Daily Traffic Volumes Verrazano-Narrows Bridge

1965-2008 Growth Rate = 2.6%





PANYNJ Facilities

PANYNJ Manhattan - New Jersey Facilities
Average Daily Traffic Volumes
1948 - 2008

<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

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

PANYNJ toll increases May 1975, January 1984, April, 1987, April 1991, March 2001, March 2008.

PANYNJ Staten Island - New Jersey Bridges
Average Daily Traffic Volumes
1948 - 2008

Year	Bayonne Bridge	Goethals Bridge	Outerbridge Crossing	Totals
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

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

PANYNJ toll increases May 1975, January 1984, April, 1987, April 1991, March 2001, March 2008.

Hourly Vehicular Volumes

Port Authority of New York & New Jersey 2008

	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	1,875	2,676	743	1,069	901	1,557	3,519	5,302
1-2am	1,271	1,487	447	802	537	910	2,255	3,199
2-3am	1,092	1,215	314	697	418	573	1,824	2,485
3-4am	1,285	1,157	338	813	482	491	2,105	2,461
4-5am	2,198	1,581	527	1,146	883	557	3,608	3,284
5-6am	6,175	2,710	2,019	1,590	2,835	793	11,029	5,093
6-7am	11,061 **	4,903	3,128 **	2,260	5,072 **	1,501	19,261 **	8,664
7-8am	10,197	7,032	2,944	2,525	4,584	2,052	17,725	11,609
8-9am	9,210	7,730	2,838	2,689	4,225	2,121	16,273	12,540
9-10am	8,998	7,017	2,782	2,261	3,825	1,890	15,605	11,168
10-11am	7,579	5,951	2,313	2,009	3,213	1,987	13,105	9,947
11-12am	6,848	6,303	2,006	2,084	2,889	2,143	11,743	10,530
12-1pm	6,515	6,924	1,946	2,330	2,580	2,348	11,041	11,602
1-2pm	6,504	6,639	1,920	2,577	2,611	2,797	11,035	12,013
2-3pm	7,016	8,141	2,105	2,844	2,627	3,485	11,748	14,470
3-4pm	7,784	10,217	2,365	2,910	2,784	3,820	12,933	16,947
4-5pm	8,289	10,776 **	2,689	2,967 **	2,393	4,409	13,371	18,152
5-6pm	8,613	10,659	2,912	2,738	1,771	4,806	13,296	18,203
6-7pm	8,378	10,728	2,813	2,808	2,111	5,022 **	13,302	18,558 **
7-8pm	6,964	9,501	2,418	2,931	2,427	4,339	11,809	16,771
8-9pm	5,512	7,888	1,859	2,662	2,055	3,932	9,426	14,482
9-10pm	4,766	6,362	1,716	2,437	2,047	3,556	8,529	12,355
10-11pm	4,037	5,588	1,652	2,208	1,959	3,501	7,648	11,297
11-12pm	2,935	4,772	1,267	1,639	1,583	2,751	5,785	9,162
Totals	145,102	147,957	46,061	50,996	56,812	61,341	247,975	260,294
7-10am	28,405	21,779	8,564	7,475	12,634	6,063	49,603	35,317
10am-1pm	20,942	19,178	6,265	6,423	8,682	6,478	35,889	32,079
1-4pm	21,304	24,997	6,390	8,331	8,022	10,102	35,716	43,430
4-7pm	25,280	32,163	8,414	8,513	6,275	14,237	39,969	54,913
7am-7pm	95,931	98,117	29,633	30,742	35,613	36,880	161,177	165,739

** 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 2008

	Bayonne Bridge		Goethals Bridge		Outerbridge Crossing		Totals	
	S/B	N/B	E/B	W/B	E/B	W/B	To Staten Island	To New Jersey
12-1am	148	80	598	361	453	443	1,199	884
1-2am	98	51	362	219	294	246	754	516
2-3am	81	40	283	203	276	169	640	412
3-4am	76	42	301	214	302	176	679	432
4-5am	111	63	441	349	673	243	1,225	655
5-6am	216	254	1,138	756	1,732	452	3,086	1,462
6-7am	404	682	1,769	1,609	2,518	1,011	4,691	3,302
7-8am	485	1,116	1,760	2,661	2,554	2,017	4,799	5,794
8-9am	496	1,141 **	1,743	2,896 **	2,248	2,523 **	4,487	6,560 **
9-10am	414	715	1,862	2,440	2,138	2,034	4,414	5,189
10-11am	405	434	1,771	1,745	1,827	1,587	4,003	3,766
11-12am	415	474	1,748	1,843	1,711	1,587	3,874	3,904
12-1pm	429	377	1,832	1,902	1,785	1,601	4,046	3,880
1-2pm	488	351	2,030	1,813	1,921	1,633	4,439	3,797
2-3pm	647	406	2,231	2,023	2,103	1,747	4,981	4,176
3-4pm	795	428	2,488	2,174	2,263	2,467	5,546	5,069
4-5pm	987	435	2,782	2,388	2,574	2,434	6,343	5,257
5-6pm	1,257 **	467	2,948 **	2,070	2,819 **	2,482	7,024 **	5,019
6-7pm	1,145	377	2,720	2,120	2,452	2,110	6,317	4,607
7-8pm	701	307	2,111	1,643	1,943	1,996	4,755	3,946
8-9pm	433	248	1,639	1,145	1,569	1,583	3,641	2,976
9-10pm	337	197	1,427	932	1,351	1,200	3,115	2,329
10-11pm	302	174	1,120	761	1,080	1,034	2,502	1,969
11-12pm	224	105	875	588	733	790	1,832	1,483
Totals	11,094	8,964	37,979	34,855	39,319	33,565	88,392	77,384
7-10am	1,395	2,972	5,365	7,997	6,940	6,574	13,700	17,543
10am-1pm	1,249	1,285	5,351	5,490	5,323	4,775	11,923	11,550
1-4pm	1,930	1,185	6,749	6,010	6,287	5,847	14,966	13,042
4-7pm	3,389	1,279	8,450	6,578	7,845	7,026	19,684	14,883
7am-7pm	7,963	6,721	25,915	26,075	26,395	24,222	60,273	57,018

** 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.

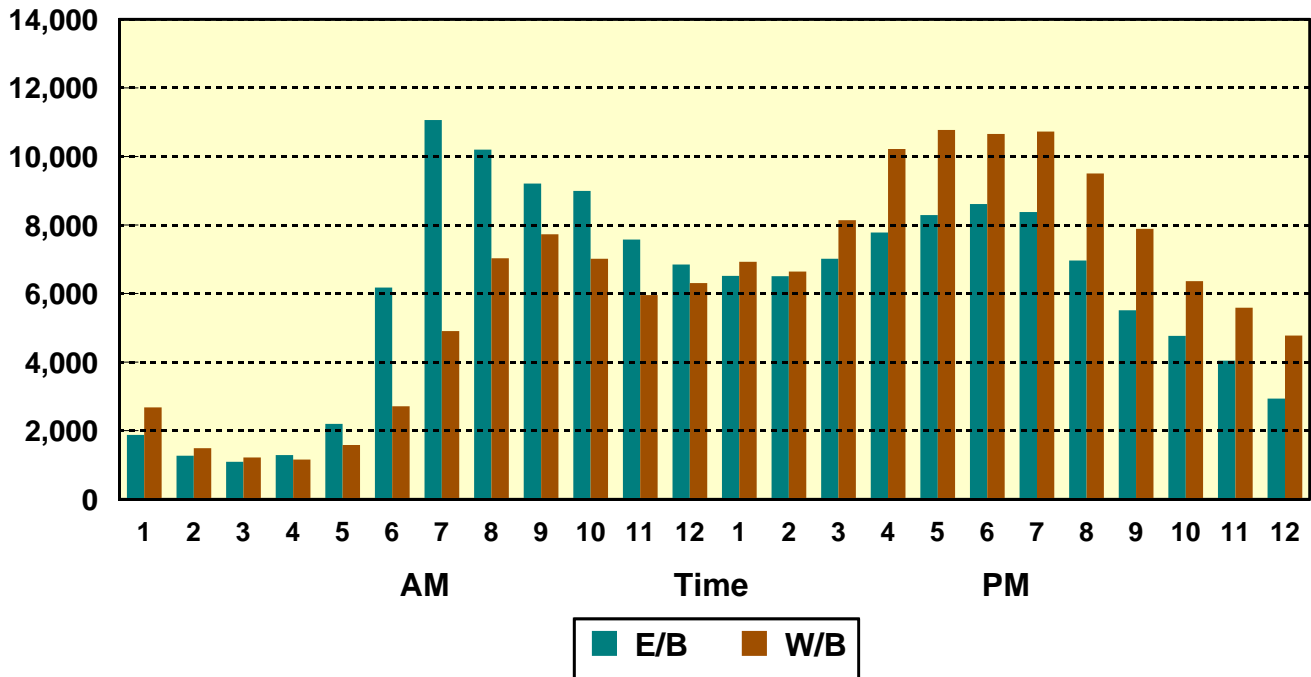
Hourly Vehicular Volumes George Washington Bridge - 2008

	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
12-1am	1,478	16	61	320	1,875	2,424	8	23	221	2,676
1-2am	823	15	70	363	1,271					1,487
2-3am	623	4	78	387	1,092					1,215
3-4am	688	7	96	494	1,285					1,157
4-5am	1,333	11	167	687	2,198					1,581
5-6am	4,973	32	349	821	6,175	1,982	7	196	525	2,710
6-7am	9,873	82	471	635	11,061 **	4,094	53	282	474	4,903
7-8am	9,270	110	389	428	10,197	6,104	100	343	485	7,032
8-9am	8,330	98	377	405	9,210	6,740	86	386	518	7,730
9-10am	8,045	93	383	477	8,998	5,798	81	450	688	7,017
10-11am	6,662	75	351	491	7,579	4,951	84	353	563	5,951
11-12am	6,005	67	323	453	6,848	5,214	57	417	615	6,303
12-1pm	5,721	69	310	415	6,515	5,662	59	451	752	6,924
1-2pm	5,772	71	288	373	6,504	5,577	44	411	607	6,639
2-3pm	6,301	84	283	348	7,016	7,112	60	385	584	8,141
3-4pm	7,097	111	255	321	7,784	9,226	66	384	541	10,217
4-5pm	7,700	114	210	265	8,289	9,935	60	332	449	10,776 **
5-6pm	8,115	106	162	230	8,613	9,872	73	297	417	10,659
6-7pm	7,917	91	130	240	8,378	10,050	64	231	383	10,728
7-8pm	6,509	89	99	267	6,964	8,981	48	138	334	9,501
8-9pm	5,075	66	86	285	5,512	7,367	48	105	368	7,888
9-10pm	4,357	52	78	279	4,766	5,934	46	71	311	6,362
10-11pm	3,640	36	61	300	4,037	5,112	38	71	367	5,588
11-12pm	2,578	27	52	278	2,935	4,354	22	48	348	4,772
Totals	128,885	1,526	5,129	9,562	145,102					147,957
7-10am	25,645	301	1,149	1,310	28,405	18,642	267	1,179	1,691	21,779
10am-1pm	18,388	211	984	1,359	20,942	15,827	200	1,221	1,930	19,178
1-4pm	19,170	266	826	1,042	21,304	21,915	170	1,180	1,732	24,997
4-7pm	23,732	311	502	735	25,280	29,857	197	860	1,249	32,163
7am-7pm	86,935	1,089	3,461	4,446	95,931	86,241	834	4,440	6,602	98,117

Classification based on October 2008 Data

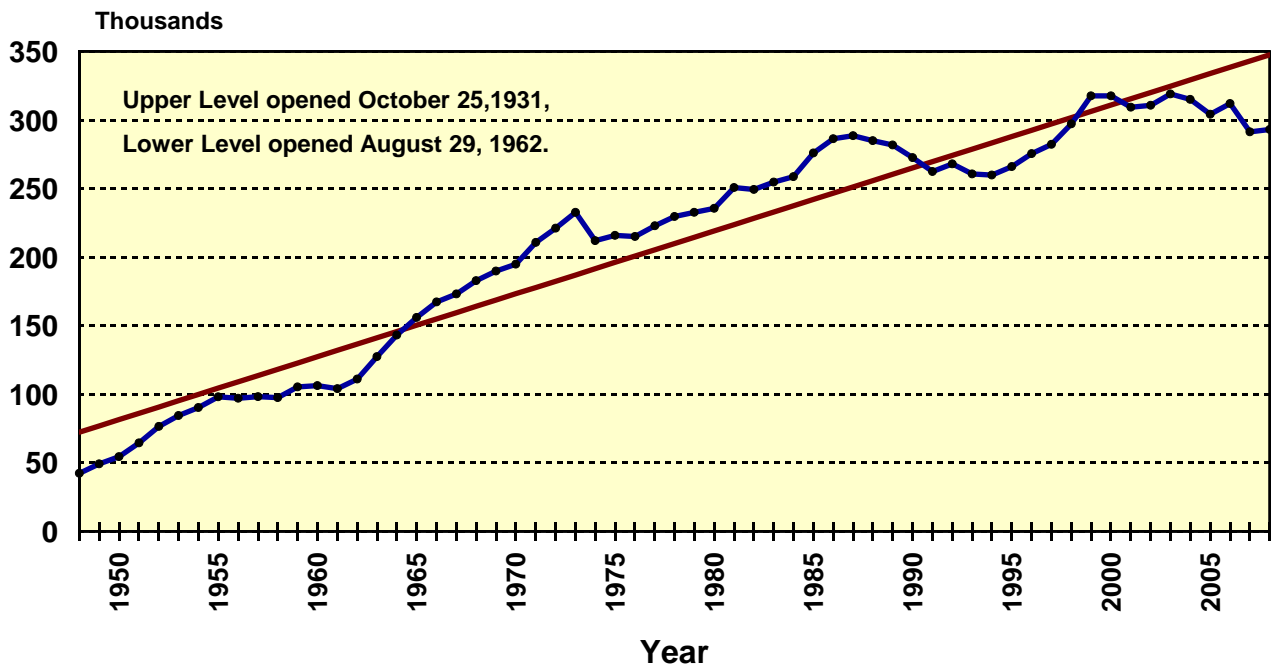
** Peak Volumes

Hourly Vehicular Volumes George Washington Bridge - 2008



Average Daily Traffic Volumes George Washington Bridge

1948-2008 Growth Rate = 2.7%



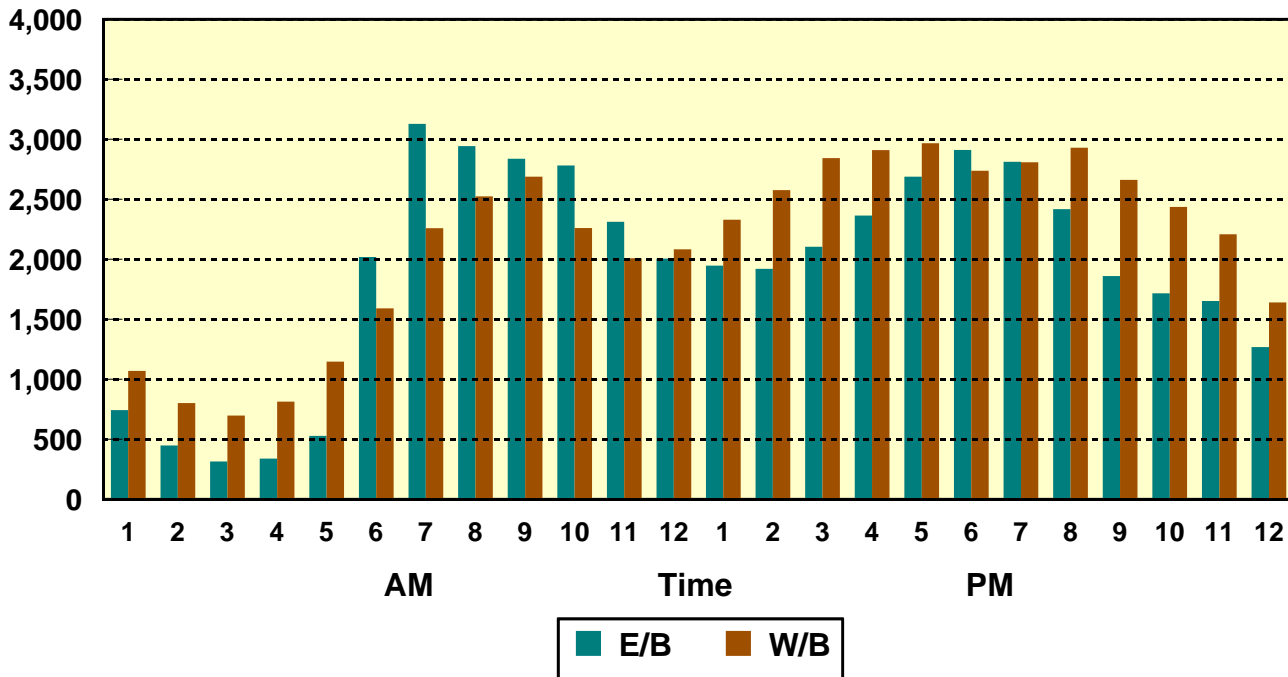
Hourly Vehicular Volumes Holland Tunnel - 2008

	Eastbound to Manhattan					Westbound to New Jersey								2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	FHWA Classes ▲		Autos & Motorcycles		Commuter Vans		Tractor Trailers	Total Vehicles	
						1 & 2	3	4	5-7	8-13	Single Unit Trucks			
12-1am	717	11	15	0	743	1,060	4	0	5	0	0	0	1,069	
1-2am	420	6	21	0	447	789	5	2	6	0	0	0	802	
2-3am	284	3	27	0	314	674	10	1	12	0	0	0	697	
3-4am	294	3	41	0	338	749	25	5	34	0	0	0	813	
4-5am	497	5	24	1	527	1,027	37	12	69	1	0	0	1,146	
5-6am	1,994	14	10	1	2,019	1,497	60	15	18	0	0	0	1,590	
6-7am	3,064	55	8	1	3,128	2,116	96	37	11	0	0	0	2,260	
7-8am	2,870	66	7	1	2,944	2,370	98	46	11	0	0	0	2,525	
8-9am	2,768	61	9	0	2,838	2,554	77	49	9	0	0	0	2,689	
9-10am	2,726	43	12	1	2,782	2,168	60	27	6	0	0	0	2,261	
10-11am	2,265	30	17	1	2,313	1,932	41	28	8	0	0	0	2,009	
11-12am	1,972	23	10	1	2,006	2,013	43	21	7	0	0	0	2,084	
12-1pm	1,909	29	7	1	1,946	2,267	43	5	15	0	0	0	2,330	
1-2pm	1,882	31	6	1	1,920	2,489	59	15	14	0	0	0	2,577	
2-3pm	2,061	38	6	0	2,105	2,755	64	6	19	0	0	0	2,844	
3-4pm	2,302	57	5	1	2,365	2,835	40	15	20	0	0	0	2,910	
4-5pm	2,607	75	6	1	2,689	2,882	34	30	21	0	0	0	2,967	
5-6pm	2,827	79	5	1	2,912	2,634	48	32	24	0	0	0	2,738	
6-7pm	2,737	68	7	1	2,813	2,713	51	23	21	0	0	0	2,808	
7-8pm	2,373	39	5	1	2,418	2,858	35	20	18	0	0	0	2,931	
8-9pm	1,829	23	7	0	1,859	2,614	35	7	6	0	0	0	2,662	
9-10pm	1,690	19	7	0	1,716	2,388	36	5	6	2	2	0	2,437	
10-11pm	1,629	19	4	0	1,652	2,153	47	4	3	1	1	0	2,208	
11-12pm	1,252	9	6	0	1,267	1,597	38	2	2	0	0	0	1,639	
Totals	44,969	806	272	14	46,061	49,134	1,086	407	365	4	4	0	50,996	
7-10am	8,364	170	28	2	8,564	7,092	235	122	26	0	0	0	7,475	
10am-1pm	6,146	82	34	3	6,265	6,212	127	54	30	0	0	0	6,423	
1-4pm	6,245	126	17	2	6,390	8,079	163	36	53	0	0	0	8,331	
4-7pm	8,171	222	18	3	8,414	8,229	133	85	66	0	0	0	8,513	
7am-7pm	28,926	600	97	10	29,633	29,612	658	297	175	0	0	0	30,742	

Based on October 2008 Classification Survey Data (Eastbound) and April 2006 Classification Survey Data (Westbound).

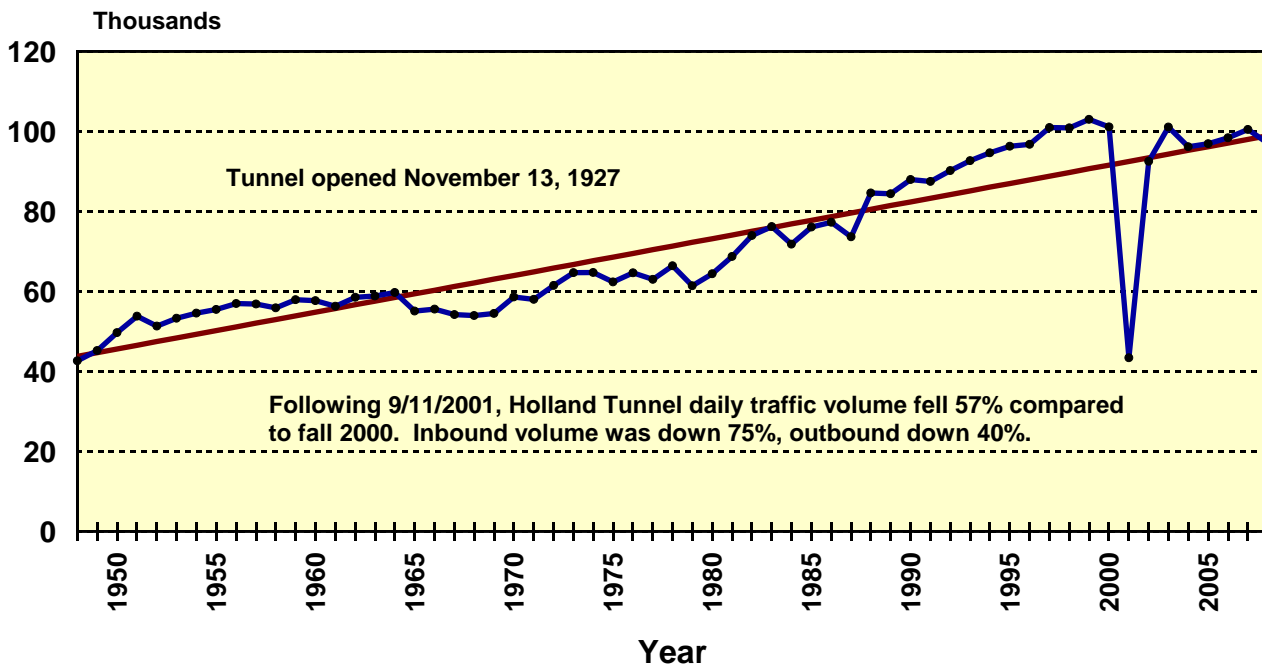
** Peak Volumes

Hourly Vehicular Volumes Holland Tunnel - 2008



Average Daily Traffic Volumes Holland Tunnel

1948-2008 Growth Rate = 1.4%



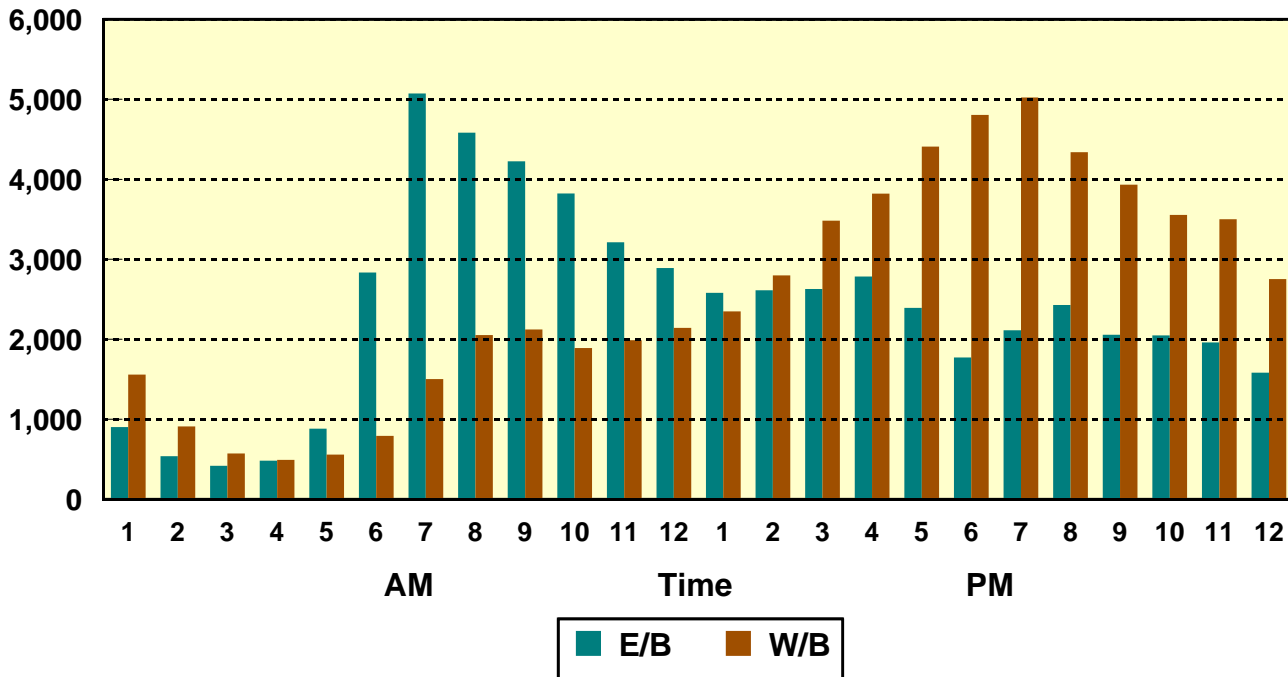
**Hourly Vehicular Volumes
Lincoln Tunnel - 2008**

PANYNJ Classes	Eastbound to Manhattan							Westbound to New Jersey					2-Way Grand Totals
	Single Rear Wheels Autos, Vans, Pickups, Motorcycles, Rec. Vehs.	8 & 9	2	3 & 4 Axles Single Units & Trailers	5 or more Axles 5 & 6	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles		
12-1am	768	55	22	41	15	901	1,459	33	44	21	1,557	2,458	
1-2am	442	25	19	36	15	537					910	1,447	
2-3am	330	9	20	42	17	418					573	991	
3-4am	338	13	57	52	22	482					491	973	
4-5am	598	24	131	88	42	883					557	1,440	
5-6am	2,154	140	329	135	77	2,835	616	60	67	50	793	3,628	
6-7am	4,116	416	369	122	49	5,072	1,080	278	82	61	1,501	6,573	
7-8am	3,425	765	325	50	19	4,584	1,353	542	95	62	2,052	6,636	
8-9am	3,041	841	292	40	11	4,225	1,229	738	101	53	2,121	6,346	
9-10am	2,962	513	280	52	18	3,825	1,062	651	136	41	1,890	5,715	
10-11am	2,706	239	205	47	16	3,213	1,394	352	187	54	1,987	5,200	
11-12am	2,481	182	158	51	17	2,889	1,639	215	216	73	2,143	5,032	
12-1pm	2,194	169	151	49	17	2,580	1,910	159	230	49	2,348	4,928	
1-2pm	2,198	204	163	34	12	2,611	2,301	169	264	63	2,797	5,408	
2-3pm	2,211	240	142	22	12	2,627	2,983	230	238	34	3,485	6,112	
3-4pm	2,292	359	105	22	6	2,784	3,278	247	258	37	3,820	6,604	
4-5pm	1,809	482	80	18	4	2,393	3,656	496	230	27	4,409	6,802	
5-6pm	1,367	346	44	12	2	1,771	3,908	627	229	42	4,806	6,577	
6-7pm	1,688	360	46	13	4	2,111	3,923	834	239	26	5,022	7,133	
7-8pm	2,054	303	44	23	3	2,427	3,838	440	54	7	4,339	6,766	
8-9pm	1,772	207	29	40	7	2,055	3,381	360	154	37	3,932	5,987	
9-10pm	1,800	157	35	48	7	2,047	3,092	307	122	35	3,556	5,603	
10-11pm	1,736	130	32	53	8	1,959	3,178	204	84	35	3,501	5,460	
11-12pm	1,398	95	38	36	16	1,583	2,525	70	118	38	2,751	4,334	
Totals	45,880	6,274	3,116	1,126	416	56,812					61,341	118,153	
7-10am	9,428	2,119	897	142	48	12,634	3,644	1,931	332	156	6,063	18,697	
10am-1pm	7,381	590	514	147	50	8,682	4,943	726	633	176	6,478	15,160	
1-4pm	6,701	803	410	78	30	8,022	8,562	646	760	134	10,102	18,124	
4-7pm	4,864	1,188	170	43	10	6,275	11,487	1,957	698	95	14,237	20,512	
7am-7pm	28,374	4,700	1,991	410	138	35,613	28,636	5,260	2,423	561	36,880	72,493	

Based on April 2006 Classification Survey Data (eastbound), and October 2008 classification data (westbound).

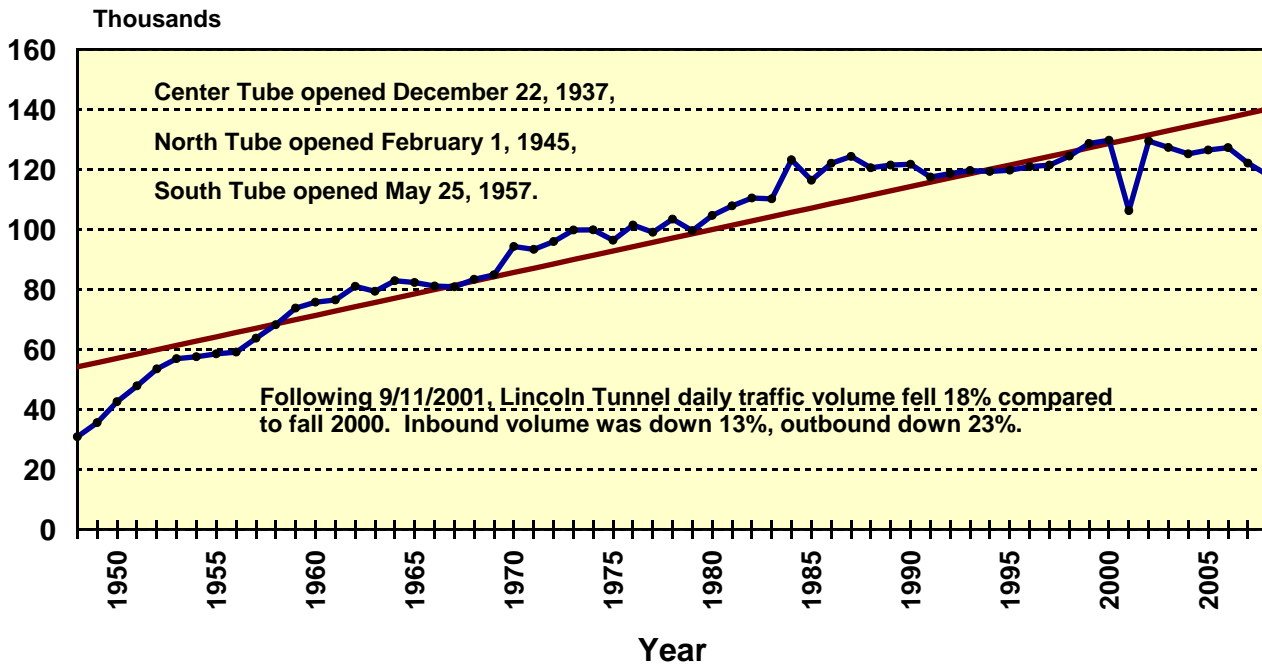
** Peak Volumes

Hourly Vehicular Volumes Lincoln Tunnel - 2008



Average Daily Traffic Volumes Lincoln Tunnel

1948-2008 Growth Rate = 1.6%



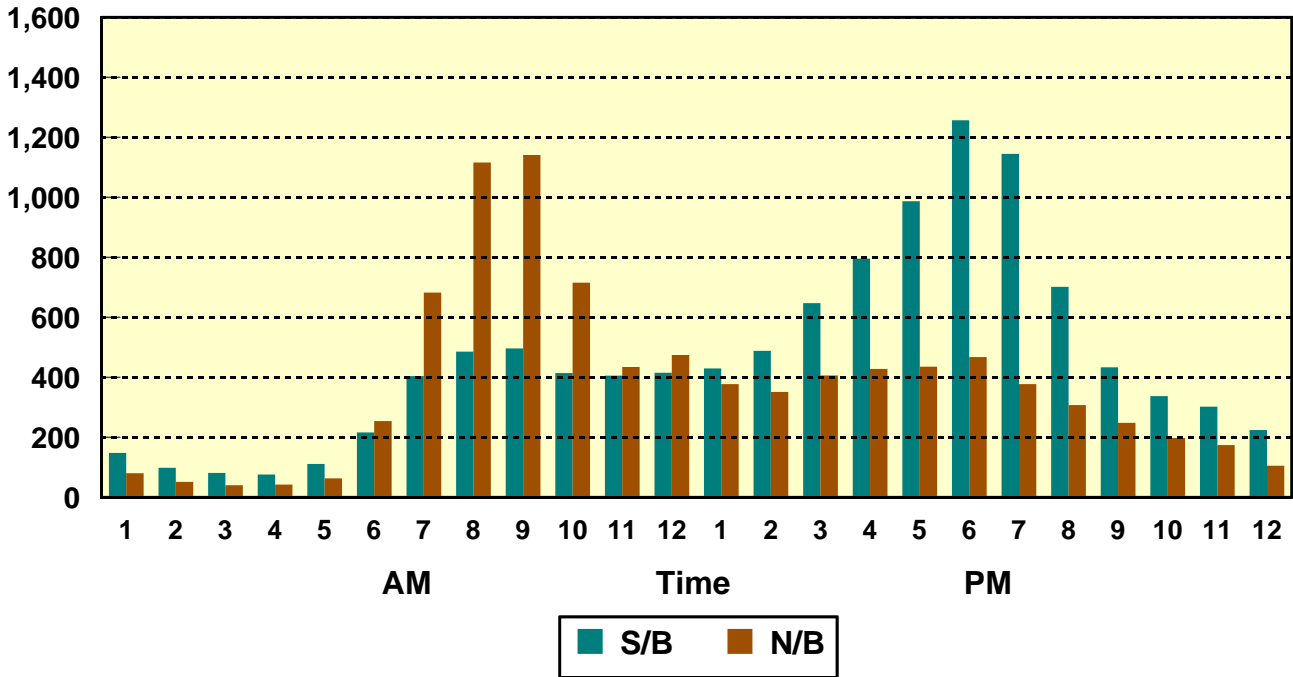
Hourly Vehicular Volumes Bayonne Bridge - 2008

	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	136	2	4	6	148	57	0	5	18	80	228
1-2am	82	2	9	5	98					51	149
2-3am	64	2	9	6	81					40	121
3-4am	58	1	9	8	76					42	118
4-5am	79	1	14	17	111					63	174
5-6am	162	2	18	34	216	237	1	6	10	254	470
6-7am	318	5	36	45	404	648	5	10	19	682	1,086
7-8am	386	14	36	49	485	1,077	7	11	21	1,116	1,601
8-9am	390	10	46	50	496	1,058	6	18	59	1,141	1,637
9-10am	311	16	42	45	414	616	3	28	68	715	1,129
10-11am	307	8	42	48	405	348	0	21	65	434	839
11-12am	330	3	35	47	415	350	1	25	98	474	889
12-1pm	348	3	35	43	429	278	0	27	72	377	806
1-2pm	408	2	38	40	488	256	2	22	71	351	839
2-3pm	574	4	37	32	647	303	2	24	77	406	1,053
3-4pm	734	3	33	25	795	354	5	24	45	428	1,223
4-5pm	925	9	31	22	987	364	6	17	48	435	1,422
5-6pm	1,197	12	30	18	1,257	405	10	17	35	467	1,724
6-7pm	1,101	10	21	13	1,145	340	5	9	23	377	1,522
7-8pm	671	7	14	9	701	257	1	12	37	307	1,008
8-9pm	412	4	10	7	433	235	1	5	7	248	681
9-10pm	321	3	7	6	337	189	0	4	4	197	534
10-11pm	290	2	5	5	302	165	0	4	5	174	476
11-12pm	212	1	4	7	224	90	0	5	10	105	329
Totals	9,816	126	565	587	11,094					8,964	20,058
7-10am	1,087	40	124	144	1,395	2,751	16	57	148	2,972	4,367
10am-1pm	985	14	112	138	1,249	976	1	73	235	1,285	2,534
1-4pm	1,716	9	108	97	1,930	913	9	70	193	1,185	3,115
4-7pm	3,223	31	82	53	3,389	1,109	21	43	106	1,279	4,668
7am-7pm	7,011	94	426	432	7,963	5,749	47	243	682	6,721	14,684

Classification based on October 2008 survey data.

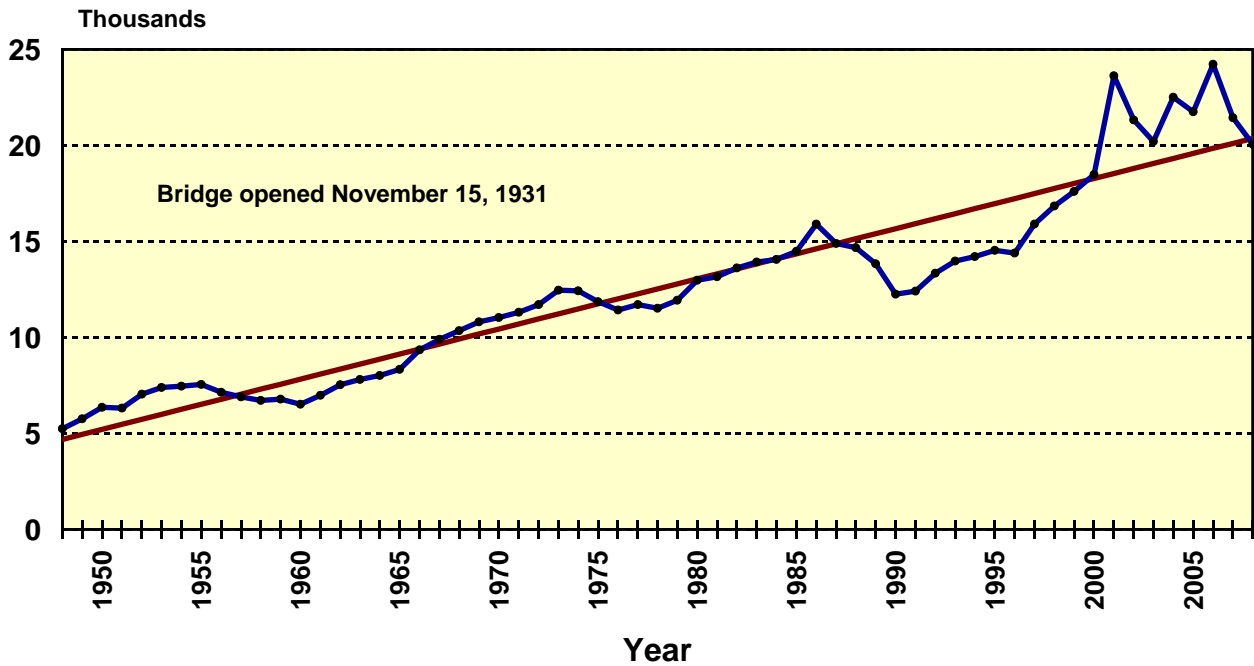
** Peak Volumes

Hourly Vehicular Volumes Bayonne Bridge - 2008



Average Daily Traffic Volumes Bayonne Bridge

1948-2008 Growth Rate = 2.5%



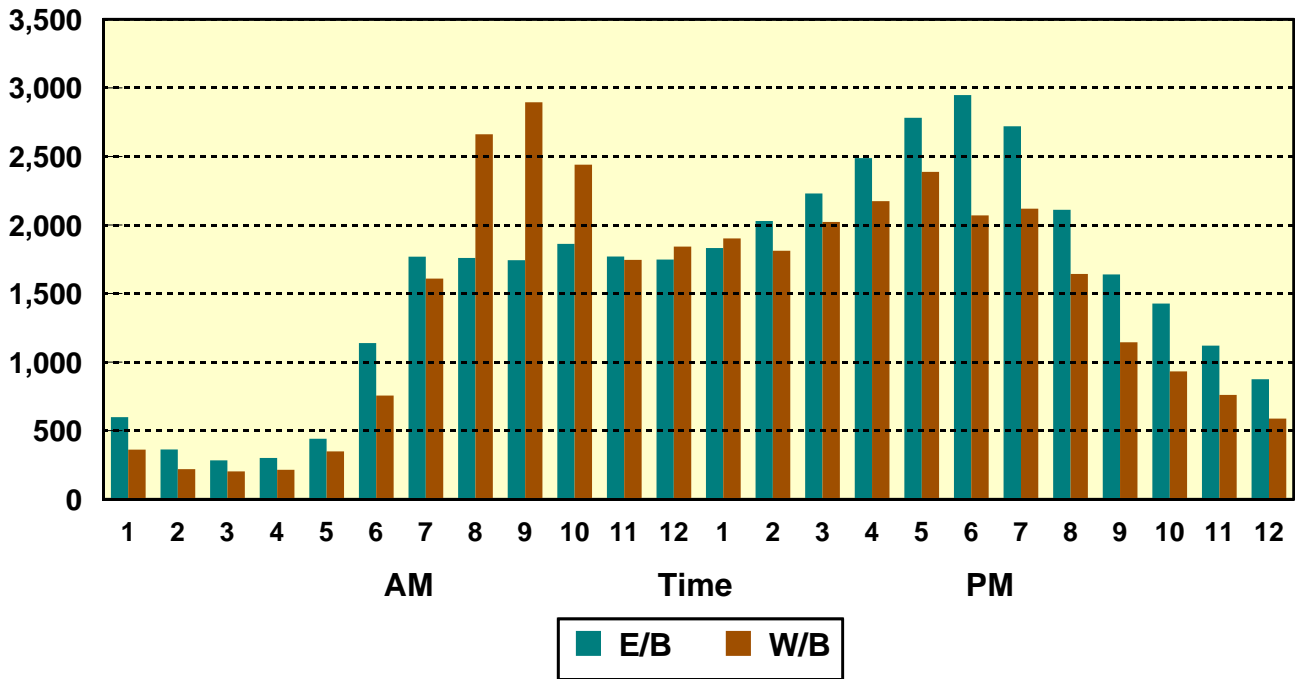
Hourly Vehicular Volumes Goethals Bridge - 2008

	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	535	4	12	47	598					361	959
1-2am	292	3	13	54	362					219	581
2-3am	206	3	17	57	283					203	486
3-4am	190	5	24	82	301					214	515
4-5am	270	3	46	122	441					349	790
5-6am	825	10	108	195	1,138	673	12	23	48	756	1,894
6-7am	1,398	14	149	208	1,769	1,439	32	56	82	1,609	3,378
7-8am	1,379	29	150	202	1,760	2,362	55	43	201	2,661	4,421
8-9am	1,363	33	159	188	1,743	2,523	41	67	265	2,896	4,639
9-10am	1,420	46	173	223	1,862	2,024	17	87	312	2,440	4,302
10-11am	1,348	38	166	219	1,771	1,372	3	112	258	1,745	3,516
11-12am	1,362	19	157	210	1,748	1,480	10	73	280	1,843	3,591
12-1pm	1,488	9	147	188	1,832	1,411	5	114	372	1,902	3,734
1-2pm	1,699	11	143	177	2,030	1,383	12	67	351	1,813	3,843
2-3pm	1,921	14	136	160	2,231	1,544	17	111	351	2,023	4,254
3-4pm	2,215	17	122	134	2,488	1,778	10	103	283	2,174	4,662
4-5pm	2,543	28	104	107	2,782	2,008	8	115	257	2,388	5,170
5-6pm	2,743	42	78	85	2,948	1,832	4	92	142	2,070	5,018
6-7pm	2,547	49	62	62	2,720	1,893	4	55	168	2,120	4,840
7-8pm	1,993	33	40	45	2,111	1,474	0	50	119	1,643	3,754
8-9pm	1,557	13	28	41	1,639	1,059	3	34	49	1,145	2,784
9-10pm	1,357	5	24	41	1,427	874	5	16	37	932	2,359
10-11pm	1,060	4	18	38	1,120	710	5	6	40	761	1,881
11-12pm	816	6	13	40	875	516	1	12	59	588	1,463
Totals	32,527	438	2,089	2,925	37,979					34,855	72,834
7-10am	4,162	108	482	613	5,365	6,909	113	197	778	7,997	13,362
10am-1pm	4,198	66	470	617	5,351	4,263	18	299	910	5,490	10,841
1-4pm	5,835	42	401	471	6,749	4,705	39	281	985	6,010	12,759
4-7pm	7,833	119	244	254	8,450	5,733	16	262	567	6,578	15,028
7am-7pm	22,028	335	1,597	1,955	25,915	21,610	186	1,039	3,240	26,075	51,990

Classification based on October 2008 survey data.

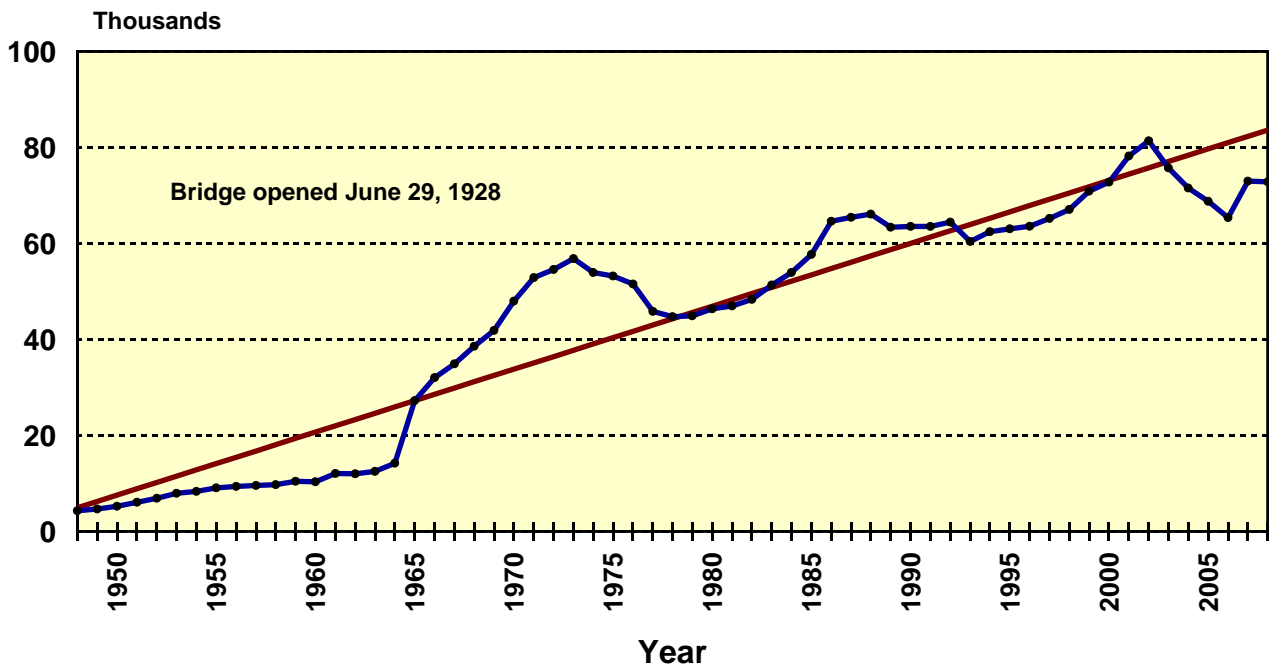
** Peak Volumes

Hourly Vehicular Volumes Goethals Bridge - 2008



Average Daily Traffic Volumes Goethals Bridge

1948-2008 Growth Rate = 4.8%



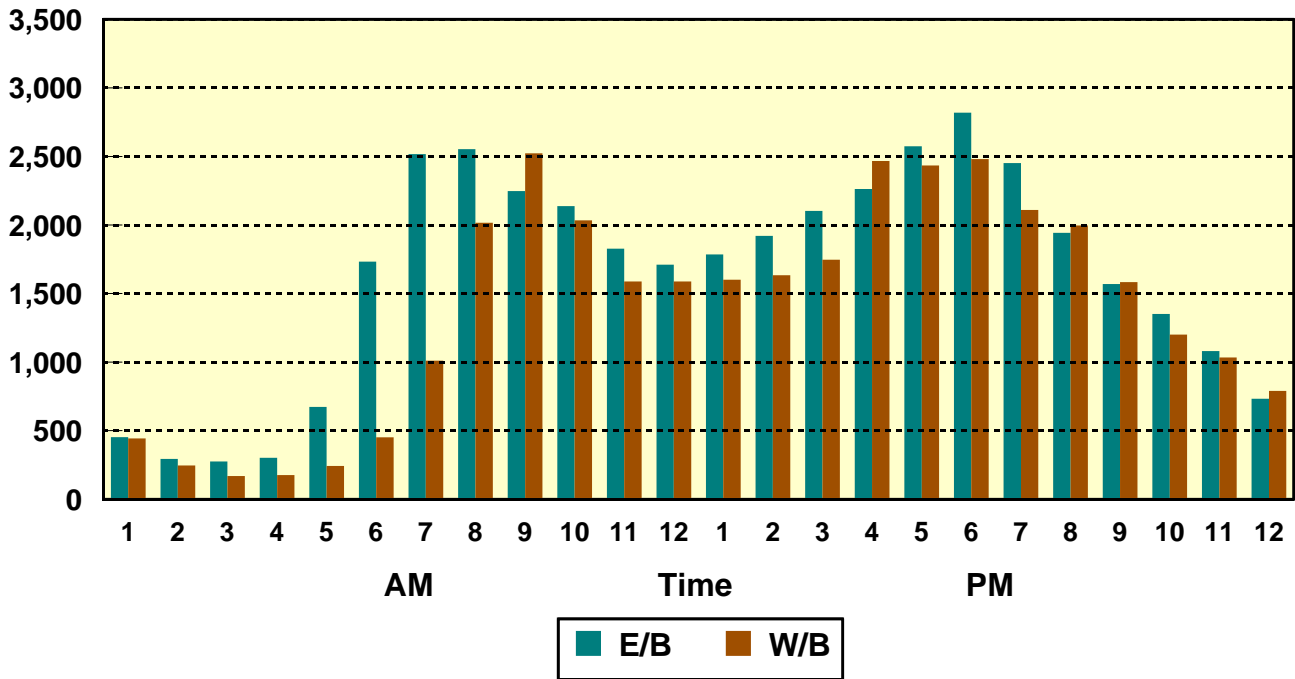
**Hourly Vehicular Volumes
Outerbridge Crossing - 2008**

	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	386	4	7	56	453	424	1	5	13	443	896
1-2am	218	3	8	65	294					246	540
2-3am	181	2	11	82	276					169	445
3-4am	192	1	19	90	302					176	478
4-5am	494	1	44	134	673					243	916
5-6am	1,507	7	78	140	1,732	400	0	19	33	452	2,184
6-7am	2,327	4	93	94	2,518	940	0	35	36	1,011	3,529
7-8am	2,379	3	92	80	2,554	1,913	3	32	69	2,017	4,571
8-9am	2,073	5	89	81	2,248	2,405	1	31	86	2,523	4,771
9-10am	1,935	6	89	108	2,138	1,848	13	64	109	2,034	4,172
10-11am	1,646	4	76	101	1,827	1,387	20	84	96	1,587	3,414
11-12am	1,545	3	71	92	1,711	1,425	3	58	101	1,587	3,298
12-1pm	1,624	6	73	82	1,785	1,411	3	68	119	1,601	3,386
1-2pm	1,771	6	69	75	1,921	1,467	5	51	110	1,633	3,554
2-3pm	1,959	4	74	66	2,103	1,623	1	45	78	1,747	3,850
3-4pm	2,135	6	71	51	2,263	2,331	4	48	84	2,467	4,730
4-5pm	2,471	9	59	35	2,574	2,353	1	38	42	2,434	5,008
5-6pm	2,734	8	45	32	2,819	2,397	1	40	44	2,482	5,301
6-7pm	2,376	13	32	31	2,452	2,045	0	30	35	2,110	4,562
7-8pm	1,867	18	24	34	1,943	1,929	2	25	40	1,996	3,939
8-9pm	1,500	12	18	39	1,569	1,553	1	13	16	1,583	3,152
9-10pm	1,299	3	14	35	1,351	1,138	12	12	38	1,200	2,551
10-11pm	1,023	3	12	42	1,080	992	0	24	18	1,034	2,114
11-12pm	680	4	8	41	733	761	1	9	19	790	1,523
Totals	36,322	135	1,176	1,686	39,319	22,605	55	589	973	24,222	72,884
7-10am	6,387	14	270	269	6,940	6,166	17	127	264	6,574	13,514
10am-1pm	4,815	13	220	275	5,323	4,223	26	210	316	4,775	10,098
1-4pm	5,865	16	214	192	6,287	5,421	10	144	272	5,847	12,134
4-7pm	7,581	30	136	98	7,845	6,795	2	108	121	7,026	14,871
7am-7pm	24,648	73	840	834	26,395	22,605	55	589	973	24,222	50,617

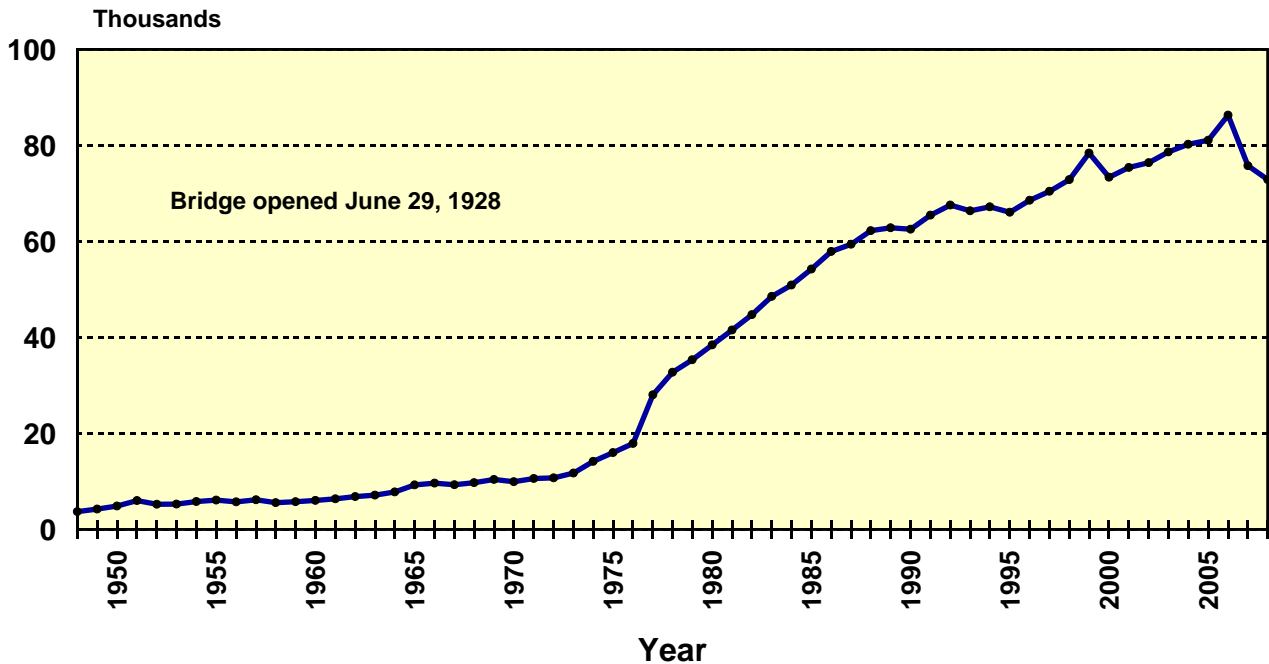
Classification based on October 2008 survey data.

** Peak Volumes

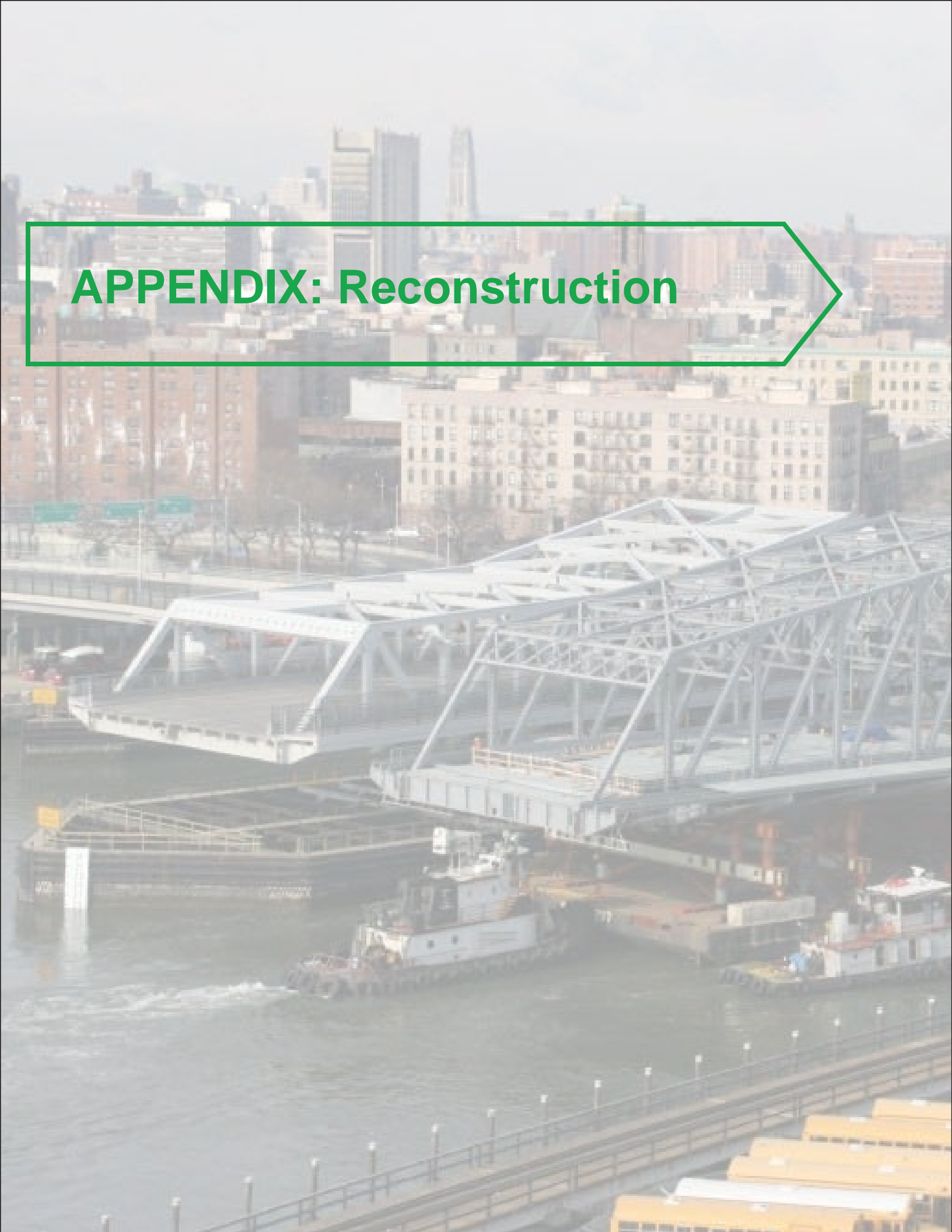
Hourly Vehicular Volumes Outerbridge Crossing - 2008



Average Daily Traffic Volumes Outerbridge Crossing 1948-2008 Growth Rate N/A



APPENDIX: Reconstruction



APPENDIX

Major Bridge Reconstruction In 2008

Brooklyn Bridge

Eastbound lane closures were in effect as follows:

01/01–05/16:	1:00am–7:00am	Mon–Fri	1 e/b lane closed intermittently,
	10:00am–3:00pm	Mon–Fri	1 e/b lane closed intermittently,
	6:00am–2:00pm	Sat–Sun	1 e/b lane closed intermittently.
05/17–05/23:	10:00am–3:00pm	Mon–Fri	1 e/b lane closed intermittently,
	10:00pm–6:00am	Mon–Fri	1 e/b lane closed intermittently,
	6:00am–2:00pm	Sat–Sun	1 e/b lane closed intermittently.
05/24–05/30:	10:00am–3:00pm	Mon–Fri	1 e/b lane closed intermittently,
	10:00pm–6:00am	Mon–Fri	1 e/b lane closed intermittently,
	6:00am–2:00pm	Sat–Sun	1 e/b lane closed intermittently.
05/31–07/25:	11:00pm–6:00am	Mon–Fri	1 e/b lane closed intermittently,
	2:00am–2:00pm	Sat–Sun	1 e/b lane closed intermittently.
07/26–08/08:	11:00pm–6:00am	Mon–Fri	1 e/b lane closed intermittently,
	2:00am–2:00pm	Sat–Sun	1 e/b lane closed intermittently,
	2:00am–6:00am	Mon–Fri	2 e/b lanes closed intermittently.
08/09–08/15:	11:00pm–6:00am	Mon–Fri	1 e/b lane closed intermittently,
	2:00am–2:00pm	Sat–Sun	1 e/b lane closed intermittently,
	2:00am–6:00am	Mon–Fri	2 e/b lanes closed intermittently,
	2:00am–2:00pm	Sun	2 e/b lanes closed intermittently.
08/16–09/26:	11:00pm–6:00am	Mon–Fri	1 e/b lane closed intermittently,
	2:00am–2:00pm	Sat–Sun	1 e/b lane closed intermittently,
	2:00am–6:00am	Mon–Fri	2 e/b lanes closed intermittently,
	2:00am–Noon	Sun	2 e/b lanes closed intermittently.
09/27–10/17:	11:00pm–6:00am	Mon–Fri	1 e/b lane closed intermittently,
	10:00am–3:00pm	Mon–Fri	1 e/b lane closed intermittently,
	2:00am–2:00pm	Sat–Sun	1 e/b lane closed intermittently.
10/18–10/31:	11:00pm–6:00am	Mon–Fri	1 e/b lane closed intermittently,
	10:00am–3:00pm	Mon–Fri	1 e/b lane closed intermittently,
	2:00am–2:00pm	Sat–Sun	1 e/b lane closed intermittently,
	2:00am–6:00am	Mon–Fri	2 e/b lanes closed intermittently.
11/01–12/12:	11:00pm–6:00am	Mon–Fri	1 e/b lane closed intermittently,
	10:00am–3:00pm	Mon–Fri	1 e/b lane closed intermittently,
	2:00am–2:00pm	Sat–Sun	1 e/b lane closed intermittently.

12/13–12/22:	11:00pm–6:00am	Mon–Fri	1 e/b lane closed intermittently,
	10:00am–3:00pm	Mon–Fri	1 e/b lane closed intermittently,
	2:00am–2:00pm	Sat–Sun	1 e/b lane closed intermittently,
	2:00am–6:00am	Mon–Fri	2 e/b lanes closed intermittently.
12/23–12/31:	11:00pm–6:00am	Mon–Fri	1 e/b lane closed intermittently,
	10:00am–3:00pm	Mon–Fri	1 e/b lane closed intermittently,
	2:00am–2:00pm	Sat–Sun	1 e/b lane closed intermittently.

Westbound lane closures were in effect as follows:

01/01–05/16:	11:00pm–6:00am	Mon–Fri	1 w/b lane closed intermittently,
	1:00am–7:00am	Sat	1 w/b lane closed intermittently,
	1:00am–9:00am	Sun	1 w/b lane closed intermittently.
05/17–05/23:	10:00am–3:00pm	Mon–Fri	1 w/b lane closed intermittently,
	10:00pm–6:00am	Mon–Fri	1 w/b lane closed intermittently,
	1:00am–7:00am	Sat	1 w/b lane closed intermittently,
	1:00am–9:00am	Sun	1 w/b lane closed intermittently.
05/24–06/01:	10:00am–3:00pm	Mon–Fri	1 w/b lane closed intermittently,
	10:00pm–6:00am	Mon–Fri	1 w/b lane closed intermittently,
	1:00am–7:00am	Sat	1 w/b lane closed intermittently,
	1:00am–9:00am	Sun	1 w/b lane closed intermittently,
	11:00pm–5:00am	Mon–Fri	2 w/b lanes closed intermittently,
	11:00pm Sat – 11:00am Sun		2 w/b lanes closed intermittently.
06/02–08/08:	11:00pm–6:00am	Mon–Fri	2 w/b lanes closed intermittently,
	11:00pm Sat – 11:00am Sun		2 w/b lanes closed intermittently.
10/18–10/31:	12:01am–5:00am	Mon–Fri	2 w/b lanes closed intermittently.
12/06–12/22:	12:01am–5:00am	Mon–Fri	2 w/b lanes closed intermittently.

On Saturday, November 15, from 7:00am until 2:00pm, the Brooklyn Bridge bicycle lanes were closed for pavement markings.

Manhattan Bridge

Manhattan Bridge Operation: January 1 – July 25, 2008.

North bikeway and south walkway open.

Note: The Brooklyn-Queens Expressway eastbound exit to the Manhattan Bridge was closed as follows.

04/21-04/29:	10:00pm – 5:00am	Mon. nights to Fri. mornings;
	12:01am – 6:00am	Saturday;
	1:00am – 7:00am	Sunday.

07/21-07/22:	11:00pm – 5:00am	Mon. night to Tue. morning.
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During these times the Lower Inner Roadway was operated westbound to Manhattan.

- **6:00am – 10:00am Weekdays.**
 - Four lanes open westbound: two lanes on the north upper roadway (no trucks), and two lanes on the lower roadway for all vehicle types.
 - Left lane of the north upper roadway reserved for **buses and HOVs**.
 - Two lanes open eastbound on the south upper roadway.
- **10:00am – 2:00pm Weekdays.**
 - Three lanes open westbound: one or two lanes on the north upper roadway (no trucks), and one or two lanes on the lower roadway for all vehicle types.
 - Two lanes open eastbound on the south upper roadway.
- **2:00pm – 3:00pm Weekdays.**
 - Two lanes open westbound on the north upper roadway.
 - Two lanes open eastbound on the south upper roadway.
 - Lower roadway closed for reversal.
- **3:00pm – 5:00am Weekdays.**
 - Two lanes open westbound on the north upper roadway.
 - Four lanes open eastbound: two lanes on the south upper roadway, and two lanes on the lower roadway.
- **9:00pm Friday – 5:00am Monday.**
 - Four lanes open westbound: two lanes on the north upper roadway, and two lanes on the lower roadway.
 - Two lanes open eastbound on the south upper roadway.
- **Lower Roadway.**
 - Available to all vehicle types at all times.
 - Manhattan-bound 5:00am – 2:00pm weekdays, and 9:00pm Friday to 5:00am Monday.
 - Closed for reversal approximately 2:00pm – 3:00pm weekdays.
 - Brooklyn-bound 3:00pm – 5:00am weekdays.
 - Manhattan-bound trucks required to use the lower roadway weekdays 5:00am – 2:00pm.
 - Access to westbound Canal Street in Manhattan.
 - One of three lower roadway lanes closed round-the-clock.
 - Additional overnight and weekend lane closures as needed on the lower roadway.
- **North Upper Roadway.**
 - Manhattan-bound all hours.
 - No trucks weekdays 5:00am – 2:00pm.
 - Left lane reserved for **buses and HOVs** weekdays 6:00am – 10:00am. Access to the HOV lane is 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.
- Overnight and weekend lane closures as needed on the north upper roadway.
- **South Upper Roadway.**
 - Brooklyn-bound all hours for all vehicle types.
 - Overnight and weekend lane closures as needed on the south upper roadway.

Manhattan Bridge Operation: July 26 – December 31, 2008.

North bikeway and south walkway open.

- **6:00am – 10:00am Weekdays.**
 - Five lanes open westbound: two lanes on the north upper roadway (no trucks), and three lanes on the lower roadway for all vehicle types.
 - Left lane of the north upper roadway reserved for **buses and HOVs**.
 - Two lanes open eastbound on the south upper roadway.
- **10:00am – 2:00pm Weekdays.**
 - Three lanes open westbound: one or two lanes on the north upper roadway (no trucks), and one or two lanes on the lower roadway for all vehicle types.
 - Two lanes open eastbound on the south upper roadway.
- **2:00pm – 3:00pm Weekdays.**
 - Two lanes open westbound on the north upper roadway.
 - Two lanes open eastbound on the south upper roadway.
 - Lower roadway closed for reversal.
- **3:00pm – 5:00am Weekdays.**
 - Two lanes open westbound on the north upper roadway.
 - Five lanes open eastbound: two lanes on the south upper roadway, and three lanes on the lower roadway.
- **9:00pm Friday – 10:00am Monday.**
 - Five lanes open westbound: two lanes on the north upper roadway, and three lanes on the lower roadway.
 - Two lanes open eastbound on the south upper roadway.
- **Lower Roadway.**
 - Available to all vehicle types at all times.
 - Manhattan-bound 5:00am – 2:00pm weekdays, and 9:00pm Friday to 5:00am Monday.
 - Closed for reversal approximately 2:00pm – 3:00pm weekdays.
 - Brooklyn-bound 3:00pm – 5:00am weekdays.
 - Manhattan-bound trucks required to use the lower roadway weekdays 5:00am – 2:00pm.

- Access to westbound Canal Street in Manhattan.
- Off-peak lane closures as needed on the lower roadway.
- **North Upper Roadway.**
 - Manhattan-bound all hours.
 - No trucks weekdays 5:00am – 2:00pm.
 - Left lane reserved for **buses and HOVs** weekdays 6:00am –10:00am. Access to the HOV lane is 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 north upper roadway.
- **South Upper Roadway.**
 - Brooklyn-bound all hours for all vehicle types.
 - Off-peak lane closures as needed on the south upper roadway.

Queensboro Bridge

Throughout 2008, **trucks** were permitted only on the two Lower Inner Roadways.

Throughout 2008, a **High Occupancy Vehicle (HOV) facility** was in effect on the 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 2008, the North Outer Roadway was reserved for **bicyclists and pedestrians**.

The North Upper Roadway was closed intermittently as follows:

All 2008:	1:00am – 5:00am	Mon–Fri,
	1:00am – 6:00am	Sat,
	1:00am – 7:00am	Sun.

The North Outer Roadway was closed intermittently as follows:

All 2008:	10:00pm – 5:00am	All Days.
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Shuttle bus provided for pedestrians and bicyclists during closures.

The South Upper Roadway was closed intermittently as follows:

All 2008:	1:00am – 5:30am	Mon–Fri,
	2:00am – 7:00am	Sat,
	2:00am – 8:00am	Sun.

The South Outer Roadway was closed intermittently as follows:

All 2008: 1:00am – 6:00am Mon–Fri,
 1:00am – 7:00am Sat.

On Sunday, October 25, and Sunday, November 23, from 12:01am to 4:00am, there was no access to 2nd Avenue from the westbound/inbound lower level; from 4:00am to 8:00am there was no access from 2nd Avenue to the eastbound/Queens-bound lower level to facilitate NYCDOT Bridges paving. During these times trucks were restricted from the bridge.

Queensboro Bridge Operation: All 2008.

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).

Throughout 2008, there were additional intermittent closings of single lanes on individual roadways of the Queensboro Bridge during off-peak hours.

Williamsburg Bridge

Throughout 2008, **trucks** were permitted only on the outer roadways.

Pedestrian and bicycle access was maintained on the bridge at all times throughout 2008.

The North Outer Roadway was closed as follows:

04/26 – 04/27: 5:00am – 6:00pm Sat–Sun.
05/17 – 05/18 5:00am – 6:00pm Sat–Sun.
05/31 – 06/01 5:00am – 6:00pm Sat–Sun.
07/19 – 07/20 5:00am – 6:00pm Sat–Sun.

Manhattan-bound trucks banned from Williamsburg Bridge during these hours and advised to use Manhattan Bridge.

South inner roadway reversed to Manhattan-bound during these hours.

The South Outer Roadway was closed as follows:

05/31 – 06/01 5:00am – 6:00pm Sat–Sun.
06/14 – 06/15: 5:00am – 6:00pm Sat–Sun.
06/21 – 06/22: 5:00am – 6:00pm Sat–Sun.
07/12 – 07/13 12:01am – 6:00pm Sat–Sun.
07/26 – 07/27 5:00am – 6:00pm Sat–Sun.

Brooklyn-bound trucks banned from Williamsburg Bridge during these hours and advised to use Manhattan Bridge.

Williamsburg Bridge Operation: January 1 – March 28, 2008.

- **Mon–Fri 6:00am – 3:00pm.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 2 lanes.
- **All other times.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 4 lanes.

Williamsburg Bridge Operation: March 29 – December 31, 2008.

Except certain weekends as noted below.

- **Mon–Fri 6:00am – 10:00am.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 2 lanes.
- **Mon–Fri 10:00am – 3:00pm.**
Manhattan-bound: 3 lanes.
Brooklyn-bound: 2 lanes.
- **All other times.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 4 lanes.

Weekend Williamsburg Bridge Operation:

**April 26 – 27, May 17 - 18,
May 31 - June 1, July 19 - 20.**

- **Sat–Sun 5:00am – 6:00pm.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 2 lanes.
*North outer roadway closed these hours.
Manhattan-bound trucks banned from Williamsburg Bridge and
advised to use Manhattan Bridge.
South inner roadway reversed to Manhattan-bound.*
- **Sat-Sun All other hours.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 4 lanes.

Weekend Williamsburg Bridge Operation:

**June 14 – 15, June 21 - 22
July 26 - 27.**

- **Sat–Sun 5:00am – 6:00pm.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 2 lanes.
*South outer roadway closed these hours.
Brooklyn-bound trucks banned from Williamsburg Bridge and
advised to use Manhattan Bridge.*
- **Sat-Sun All other hours.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 4 lanes.

Weekend Williamsburg Bridge Operation:

July 12 – July 13.

- **Sat–Sun 12:01am – 6:00pm.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 2 lanes.
South outer roadway closed these hours.
Brooklyn-bound trucks banned from Williamsburg Bridge and advised to use Manhattan Bridge.
- **Sat-Sun All other hours.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 4 lanes.

Macombs Dam Bridge

Full closures of the Macombs Dam Bridge occurred (as required) to facilitate NYC DOT bridge work as follows.

03/18–03/28: 12:01am – 5:00am Mon–Fri;
1:00am – 6:00am Sat–Sun.

No closures on this bridge during closures on the 145th Street Bridge.

One lane in each direction was closed intermittently as follows.

03/29–07/04: 10:00am – 3:00pm Weekdays; *No lane closures within 2*
12:01am – 5:00am Weeknights. *hours of Yankee home games.*

Throughout 2008, there were additional closures of single lanes in each direction on the Macombs Dam Bridge during off-peak hours.

Third Avenue Bridge (Harlem River)

The Third Avenue Bridge was completely closed according to the following schedule.

05/29: 1:00am – 5:00am Thu. *Bridge fully closed.*

Throughout 2008, there were additional closures of single lanes on the Third Avenue Bridge during off-peak hours.

Willis Avenue Bridge

From February 2 to May 23, one of four lanes on the Bronx side as motorists exit to Willis Avenue (after the Bruckner Boulevard split) was closed round-the-clock to facilitate NYC DOT bridge work. Also, the left lane (one of four lanes) was closed to traffic approaching Bruckner Boulevard.

From May 24 to December 19, one of four lanes on the Bronx side as motorists exit to Bruckner Boulevard (after the Willis Avenue split), and also as motorists exit to Willis Avenue and the northbound Major Deegan Expressway, was closed round-the-clock to facilitate NYC DOT bridge work.

From December 20 to December 31, one of four lanes on the north side of the bridge was closed round-the-clock, and motorists in the left lane could only proceed onto the northbound Major Deegan Expressway. The right and center lanes continued to Willis Avenue or Bruckner Boulevard.

One of four lanes on the main bridge was closed intermittently as follows.

05/24–12/19: 12:01am – 6:00am Weeknights;
1:00am – 7:00am Sat.

Two of four lanes on the main bridge were closed intermittently as follows.

12/20–12/31: 12:01am – 6:00am Weeknights;
1:00am – 7:00am Sat.

As of December 11, the pedestrian access at First Avenue and East 125th Street was closed, and a temporary access stairway was placed at First Avenue and East 127th Street.

145th Street Bridge

The entire bridge was fully closed intermittently as follows for testing operations to complete the NYC DOT bridge reconstruction project:

01/01–12/31: 10:00pm – 6:00am Weeknights;
12:01am – 7:00am Sat - Sun.

No closures on this bridge during closures on the Macombs Dam Bridge, or within 2 hours of Yankee home games.

Throughout 2008, there were additional closures of single lanes in each direction on the 145th Street Bridge and its approach ramps during off-peak hours.

Kosciuszko Bridge

There were intermittent lane closures as follows:

01/01-02/01: 10:30pm – Midnight All days. 1 E/B lane closed intermittently,
12:01am – 5:00am All Days. 2 E/B lanes closed intermittently.

Hamilton Avenue Bridge

From January 1 to June 27, one of four southbound lanes was closed round-the-clock.

From May 17 to June 27, overnight from 11:00pm Sunday nights to 5:00am Friday mornings, there were intermittent closures of half the bridge, with two-way traffic maintained on the open half.

From June 28 to August 22, half the bridge was closed round-the-clock, with two-way traffic maintained on the open half. On weekdays from 6:00am to 10:00am, there were three lanes northbound (inbound) and one lane southbound (outbound). During all other times, there were two lanes in each direction.

From August 23 to September 5, one of four lanes in each direction was closed round-the-clock.

From September 5 to December 31, one of four northbound (inbound) lanes was closed during off-peak hours, and one of four southbound (outbound) lanes was closed round-the-clock.

From October 18 to October 24, the northbound (inbound) side of the bridge was closed overnight from 11:00pm to 5:00am, with one lane in each direction maintained on the southbound (outbound) side.

From November 22 to December 12, overnight from 9:00pm Monday nights to 5:00am Friday mornings, there were intermittent closures of half the bridge, with two-way traffic maintained on the open half.

Third Avenue Bridge (Brooklyn)

From January 1 to December 5, capacity was limited to a single lane in each direction during all hours.

Hook Creek Bridge

From April 26 to May 9, one of three lanes in each direction was closed 10:00am – 3:00pm weekdays.

From October 14 to November 7, one of three outbound lanes (to Nassau County) was closed round-the-clock.

From November 8 to November 20, the left lanes in both directions were closed as needed from 10:00pm to 5:00am nightly.

Whitestone Expressway Bridge

Throughout 2008, intermittent lane closures were in effect on the Whitestone Expressway between the Whitestone Expressway Bridge and the Bronx–Whitestone Bridge according to the following schedule.

All 2008:	10:00am – 3:00pm	Mon–Fri	1 lane closed intermittently each way,	
	10:00pm – 5:00am	Mon–Fri	1 lane closed intermittently each way,	
	10:00pm	Fri – 6:00am	Sat	1 lane closed intermittently each way,
	10:00pm	Sat – 11:00am	Sun	1 lane closed intermittently each way,
	1:00am – 5:00am	Tue–Fri	2 lanes closed intermittently each way,	
	1:00am – 6:00am	Sat	2 lanes closed intermittently each way,	
	2:00am – 9:00am	Sun	2 lanes closed intermittently each way.	

Brooklyn-Battery Tunnel

Throughout 2008, the inbound **exit to Trinity Place** was closed weekdays between 6:00-10:00am, and between 3:00–7:00pm.

One of the two tubes was closed intermittently according to the following schedule.

01/01-05/30:	9:00pm – 5:00am	Sunday nights to Friday mornings.
05/31-12/31:	10:00pm – 5:30am	Sunday nights to Friday mornings.

Two-way traffic was maintained in the other tube during these closures.

One of two lanes in each direction was closed intermittently according to the following schedule.

09/20-12/31: 10:30am – 3:00pm Weekdays

Throughout 2008, between 6:00am and 10:00am on weekdays, there were three lanes inbound and one lane outbound.

Throughout 2008, on weekdays between 4:00pm and 7:00pm, there were two lanes outbound to Brooklyn in the south tube, plus one outbound contra-flow lane in the north tube.

Henry Hudson Bridge

One of four southbound (Manhattan-bound) lanes was closed as follows.

All 2008: Round-the-clock All days. 1 Manhattan-bound lane closed.
2nd Manhattan-bound lane closed intermittently during off-peak hours.

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

05/31–12/31: 7:00am – 9:00am Weekdays 1 Bronx-bound lane closed;
9:00am – 2:00pm Weekdays 2 Bronx-bound lanes closed.

Queens-Midtown Tunnel

Throughout 2008, there were intermittent closures of single lanes in both directions during off-peak hours.

One tube was closed from 12:01am Saturday, October 4, until 2:00pm Sunday, October 5. During this time, one lane in each direction was open to traffic in the other tube.

Robert F. Kennedy Bridge (formerly Triborough Bridge)

From May 31 to June 20, the following closures were in effect.

At the suspension bridge and viaduct one lane in each direction closed as needed to facilitate MTA construction activity on weekdays between 9:00am and 3:00pm.

From June 21 to September 19, the following closures were in effect.

At the Harlem lift span, one lane closed as needed to Manhattan 10:00am to 2:30pm, and to Queens/Bronx 7:00am to 2:30pm daily.

At the suspension bridge and viaduct one of four lanes closed as needed to Queens 9:00am to 3:00pm weekdays; and 9:00pm to 5:00am Sunday nights to Friday mornings (two of four lanes closed as needed 11:00pm to 5:00am). One of four lanes closed as needed to Manhattan/Bronx 9:00am to 3:00pm weekdays.

From September 20 to December 31, the following closures were in effect.

At the Harlem lift span, one lane closed as needed to Manhattan 10:00am to 2:30pm, and to Queens/Bronx 6:00am to 2:30pm daily. Two lanes closed as needed from Queens to The Bronx 9:00pm to 5:00am Monday through Wednesday.

At the suspension bridge and viaduct one of four lanes closed as needed to Queens 6:00am to 2:00pm weekdays; and 8:00pm to 6:00am Wednesday nights to Saturday mornings (two of four lanes closed as needed 11:00pm to 5:00am) and three of four lanes closed as needed 11:00pm to 5:00am Wednesday nights to Saturday mornings. One of four lanes closed as needed to Manhattan/Bronx 10:00am to 3:00pm weekdays, and two of four lanes closed as needed 9:00pm to 5:00am Tuesday to Friday.

Bronx-Whitestone Bridge

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

05/31–12/31:	10:00am – 3:00pm	Mon-Thu	1 N/B lane closed as needed;
	10:00am – 2:30pm	Fri	1 N/B lane closed as needed;
	6:00am – Noon	Sat-Sun	1 N/B lane closed as needed.

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

05/31–12/31:	10:00am – 3:00pm	Mon-Thu	1 S/B lane closed as needed;
	10:00am – 2:30pm	Fri	1 S/B lane closed as needed;
	6:00am – Noon	Sat-Sun	1 S/B lane closed as needed.
	10:00pm – 6:00am	Mon night to Fri morning,	2 S/B lanes closed as needed.
	11:00pm- 6:00am	Fri night to Sun morning,	2 S/B lanes closed as needed.

From July 12 to August 1, two of three lanes were closed on the northbound Cross Island Parkway from Utopia Parkway to the Bronx-Whitestone Bridge from 11:00pm to 5:00am Sunday nights to Friday mornings.

Cross Bay Bridge

The ramp to the northbound bridge from Beach 94th Street was closed as follows.

01/01–06/20:	Round-the-clock.	All days.	Ramp closed.
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The ramp from the southbound bridge to Beach Channel Drive was closed as follows.

01/01–06/20:	Round-the-clock.	All days.	Ramp closed.
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Northbound lane closures were in effect on the bridge according to the following schedule.

05/31–09/19:	6:00am – 4:00pm	Mon-Fri	1 of 3 N/B lanes closed as needed,
	Round-the-clock	Sat-Sun	1 of 3 N/B lanes closed as needed.
09/20–11/28:	7:00am – 4:00pm	Mon-Fri	1 of 3 N/B lanes closed as needed,
	Round-the-clock	Sat-Sun	1 of 3 N/B lanes closed as needed.
11/29–12/31:	Round-the-clock	All Days	1 of 3 N/B lanes closed.
	7:00am – 4:00pm	Weekdays	2 nd N/B lane closed as needed.

Southbound lane closures were in effect on the bridge according to the following schedule.

05/31–09/19:	7:00am – 4:00pm	Mon-Fri	1 of 3 S/B lanes closed as needed,
	Round-the-clock	Sat-Sun	1 of 3 S/B lanes closed as needed.
09/20–11/28:	6:00am – 4:00pm	Mon-Fri	1 of 3 S/B lanes closed as needed,
	Round-the-clock	Sat-Sun	1 of 3 S/B lanes closed as needed.
11/29–12/31:	Round-the-clock	All Days	1 of 3 S/B lanes closed.
	6:00am – 4:00pm	Weekdays	2 nd S/B lane closed as needed.

From September 20 to December 31, the northbound ramp from Beach Channel Drive East to the bridge was closed round-the-clock.

Marine Parkway Gil Hodges Memorial Bridge

Northbound (to Brooklyn) lane closures were in effect as follows.

06/02–06/20:	7:00am – 3:00pm	Mon-Fri	1 of 2 N/B lanes closed as needed.
06/21–11/28:	9:00am – 4:00pm	Mon-Fri	1 of 2 N/B lanes closed as needed.
11/29–12/31:	9:00am – 4:30pm	Mon-Fri	1 of 2 N/B lanes closed as needed.

Southbound (to Rockaway) lane closures were in effect as follows.

01/01–01/04:	7:00am – 3:00pm	Mon-Fri	1 of 2 S/B lanes closed.
06/02–11/28:	7:00am – 3:00pm	Mon-Fri	1 of 2 S/B lanes closed as needed.
11/29–12/31:	8:00am – 4:30pm	Mon-Fri	1 of 2 S/B lanes closed as needed.

Throgs Neck Bridge

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

01/01-05/30:	10:00am – 3:00pm	Mon-Thu	1 N/B lane closed as needed,
	10:00am – 2:30pm	Fri	1 N/B lane closed as needed;
05/31–06/20:	10:00am – 3:00pm	Mon-Thu	1 N/B lane closed as needed;
	10:00am – 2:30pm	Fri	1 N/B lane closed as needed;
	12:01am – 5:00am	Fri	2 N/B lanes closed as needed.
06/21–12/31:	10:00am – 3:00pm	Mon-Thu	1 N/B lane closed as needed;
	10:00am – 2:30pm	Fri	1 N/B lane closed as needed;
	11:00pm – 5:00am	Mon-Thu	2 N/B lanes closed as needed;
	12:01am – 5:00am	Fri	2 N/B lanes closed as needed.

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

01/01-05/30:	10:00am – 3:00pm	Mon-Thu	1 S/B lane closed as needed,
	10:00am – 2:30pm	Fri	1 S/B lane closed as needed;
05/30 Fri 11:00pm - 06/14 Sat 5:00am			1 S/B lane closed continuously round-the-clock.
06/15–12/31:	9:30am – 2:30pm	Mon-Fri	1 S/B lane closed as needed;
	11:00pm – 5:00am	Mon-Thu	2 S/B lanes closed as needed.

Throughout 2008, there were additional intermittent closures of single lanes on the Throgs Neck Bridge during off-peak hours.

Verrazano-Narrows Bridge

Throughout 2008, **trucks** were required to use the upper level.

Eastbound Lower Level lane closures (to Brooklyn) were in effect as follows.

01/01–08/01:	Round-the-clock.	All days	1 E/B lower level lane closed.
10/11–12/31:	10:00am – 5:00pm	Mon-Fri	1 E/B lower level lane closed.

Eastbound Upper Level lane closures (to Brooklyn) were in effect as follows.

05/31–09/19: 10:00am – 6:00pm. Mon-Thu 1 E/B upper level lane closed,
10:00am-Noon Fri 1 E/B upper level lane closed.

The entire **eastbound Lower Level (to Brooklyn)** was closed as needed according to the following schedule.

05/31–09/19: 9:00pm – 5:00am Monday nights to Friday mornings,
12:01am – 8:00am Sat.
E/B lower level closed as needed.

09/20–12/31: 9:00pm – 5:00am Monday nights to Friday mornings,
12:30am – 7:00am Sat,
12:30am – 5:00am Sun.
E/B lower level closed as needed.

Westbound Lower Level lane closures (to Staten Island) were in effect as follows.

01/01–06/27: Round-the-clock. All days
1 W/B lower level lane closed.

09/20–12/31: 6:00am – 2:00pm Mon-Thu,
6:00am – 1:00pm Fri.
1 W/B lower level lane closed as needed.

The entire **westbound Lower Level (to Staten Island)** was closed as needed according to the following schedule.

05/31–06/27: 9:00pm – 6:00am Monday nights to Friday mornings,
12:01am – 8:00am Sat.
W/B lower level closed as needed.

09/20–12/31: 9:00pm – 6:00am Monday nights to Friday mornings,
12:30am – 8:00am Sat,
12:30am – 6:00am Sun.
W/B lower level closed as needed.

From May 17 to October 10, eastbound vehicles (to Brooklyn) over ten feet wide were limited to crossing the bridge between 10:00pm and 5:00am only.

Throughout 2008, there were additional intermittent closures of single lanes in both directions on the Verrazano-Narrows Bridge roadways during off-peak hours.

George Washington Bridge

Three of the four Upper Level eastbound lanes (to New York) were closed on weekends as follows. Also, the Palisades Parkway entrance was closed with traffic diverted to the Lower Level through Fort Lee.

06/07 – 12/05: 10:00pm Fri - 10:00am Sat,
10:00pm Sat - 10:00am Sun.
No closures the weekends of July 4 and Labor Day.

Throughout 2008, there were additional intermittent closures of single lanes during off-peak hours.

Holland Tunnel

Throughout 2008, all eastbound (to Manhattan) commercial traffic was banned from the Holland Tunnel.

Throughout 2008, the tunnel was open westbound to New Jersey for passenger cars, buses, and two-axle and three-axle single unit trucks. Tractor trailers, and single unit trucks with more than three axles, were not permitted.

The eastbound (to New York) tunnel was completely closed on weekends as follows.

10/04 -11/23: 1:00am – 8:00am Sat-Sun. Eastbound Tunnel closed.
No closure October 11-12.

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

All 2008: 11:30pm – 5:30am Mon–Fri. 1 w/b lane closed.
12:01am – 8:00am Sat. 1 w/b lane closed.

Throughout 2008, there were also additional intermittent lane closures during off-peak hours.

Lincoln Tunnel

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

All 2008: 11:00pm – 5:00am Mon–Fri. *Two tubes open, providing two*
1:00am – 9:00am Sat. *traffic lanes in each direction.*
1:00am – 10:00am Sun.

The westbound Tunnel Helix in New Jersey was partially and fully closed on weekends as follows.

10/25 - 12/05: 11:30pm Fri – 1:30pm Sat. *Two lanes closed on the Helix.*
1:30am – 9:30am Sat. *Helix completely closed.*

Outerbridge Crossing

Throughout 2008, there were intermittent closures of one of the two lanes in either or both directions during off-peak hours.