

New York City Bridge Traffic Volumes 2009



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**NEW YORK CITY
BRIDGE TRAFFIC VOLUMES
2009**

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Introduction



Roosevelt Island Bridge between Roosevelt Island and Queens

INTRODUCTION

The 2009 *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 2009 *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 1948-2009 was performed in order to develop trend information. In addition, changes in the traffic volumes for all facilities over the past 61 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



Hook Creek Bridge in Queens

SUMMARY

2009 Volumes

- In 2009, daily traffic on the 47 bridges operated by the New York City Department of Transportation increased 0.5%, to 2.680 million from 2.666 million in 2008.
- Daily traffic on the four East River bridges increased 1.7%, to 485,300 in fall 2009 from 477,200 in fall 2008.
- Daily volume using the nine Harlem River bridges increased 0.8%, to 543,700 in 2009 from 539,400 in 2008.
- Daily traffic using the four bridges over Newtown Creek between Queens and Brooklyn increased 1.9%, to 263,600 in 2009 from 258,800 in 2008.
- On the eight bridges in The Bronx, daily traffic decreased 1.1%, to 449,200 from 454,300.
- On the ten bridges in Brooklyn, daily traffic increased 0.9%, to 330,600 from 327,600.
- On the eleven bridges in Queens, daily traffic decreased 0.3%, to 542,700 from 544,100.
- Daily traffic on the Fresh Kills Bridge in Staten Island decreased 0.4%, to 64,500 from 64,700.
- The most heavily used City-operated water crossing in 2009 was the Whitestone Expressway Bridge, which carried 198,100 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 (191,600 daily vehicles), the Kosciuszko Bridge over Newtown Creek between Brooklyn and Queens (188,300), the Queensboro Bridge over the East River between Manhattan and Queens (180,200), the Eastern Boulevard Bridge over the Bronx River in The Bronx (176,800), the Mill Basin Bridge on the Belt Parkway in Brooklyn (144,500), the Brooklyn Bridge over the East River between Brooklyn and Manhattan (125,000), and the Hutchinson River Parkway Bridge in The Bronx (119,300).

Major Increases

- On bridges carrying more than 50,000 daily vehicles, the largest percentage increase was on the Hamilton Avenue over Gowanus Canal in Brooklyn, where daily traffic increased 5.4%, to 55,600 daily vehicles in 2009 from 52,700 in 2008. The largest numerical increase was on the Kosciuszko Bridge over Newtown Creek between Brooklyn and Queens (+6,500 daily vehicles, to 188,300 in 2009 from 181,800 in 2008).
- On bridges carrying fewer than 50,000 daily vehicles, the Hunters Point Avenue Bridge over Dutch Kills in Queens had the highest percentage increase (+129.8%), and the highest numerical increase (+9,300 daily vehicles, to 16,500 in 2009 from 7,200 in 2008). This large increase was caused by the closure of the nearby Borden Avenue Bridge which was closed for reconstruction throughout 2009.

Major Decreases

- On bridges carrying more than 50,000 daily vehicles, the Willis Avenue Bridge over the Harlem River between Manhattan and The Bronx showed the largest percentage and numerical decline, as daily volume decreased by 5.8% to 58,500 daily vehicles in 2009 from 62,200 in 2008 (3,700 fewer daily vehicles).
- On bridges carrying fewer than 50,000 daily vehicles, the Carroll Street Bridge over Gowanus Canal in Brooklyn showed the largest percentage reduction (-13.3%, to 950 daily vehicles in 2009 from 1,100 in 2008). The largest numerical decrease was on the Roosevelt Avenue Bridge over the Flushing River in Queens, where daily traffic decreased by 1,700 vehicles, to 17,200 in 2009 from 18,900 in 2008 (-9.0%).

2008-2009 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
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EAST RIVER BRIDGES	Highway Functional Classification	2008	2009	Percent Change
Brooklyn Bridge	Principal Arterial	123,781	125,021	1.0 %
Manhattan Bridge	Principal Arterial	70,341	71,936	2.3 %
Queensboro Bridge	Principal Arterial	176,306	180,162	2.2 %
Williamsburg Bridge	Principal Arterial	106,783	108,194	1.3 %
Total, 4 East River Bridges		477,211	485,313	1.7 %
 HARLEM RIVER BRIDGES				
Alexander Hamilton Bridge	Interstate	189,598	191,646	1.1 %
Broadway Bridge	Principal Arterial	33,266	35,566	6.9 %
Macombs Dam Bridge	Principal Arterial	38,897	39,508	1.6 %
Madison Avenue Bridge	Principal Arterial	41,740	43,480	4.2 %
Third Avenue Bridge	Principal Arterial	58,510	59,039	0.9 %
University Heights Bridge	Principal Arterial	39,340	39,165	- 0.4 %
Washington Bridge	Minor Arterial	52,768	52,420	- 0.7 %
Willis Avenue Bridge	Principal Arterial	62,167	58,548	- 5.8 %
145th Street Bridge	Minor Arterial	23,148	24,364	5.3 %
Total, 9 Harlem River Bridges		539,434	543,736	0.8 %
 BROOKLYN-QUEENS BRIDGES				
Grand Street Bridge	Principal Arterial	13,031	12,576	- 3.5 %
J.J. Byrne Memorial Bridge *	Principal Arterial	26,926	26,637	- 1.1 %
Kosciuszko Bridge	Interstate	181,783	188,322	3.6 %
Pulaski Bridge	Principal Arterial	37,019	36,103	- 2.5 %
Total, 4 Brooklyn-Queens Bridges (Over Newtown Creek)		258,759	263,638	1.9 %
 BRONX BRIDGES				
City Island Bridge	Minor Arterial	15,955	14,313	- 10.3 %
East 174th Street Bridge	Minor Arterial	14,158	14,130	- 0.2 %
Eastchester Bridge	Principal Arterial	20,842	20,329	- 2.5 %
Eastern Boulevard Bridge	Interstate	174,597	176,800	1.3 %
Hutchinson River Bridge	Principal Arterial	121,499	119,285	- 1.8 %
Pelham Bridge	Minor Arterial	19,131	17,521	- 8.4 %
Unionport Bridge	Principal Arterial	62,342	61,700	- 1.0 %
Westchester Avenue Bridge	Principal Arterial	25,789	25,131	- 2.6 %
Total, 8 Bronx Bridges		454,313	449,209	- 1.1 %

* Also known as Greenpoint Avenue Bridge.

2008-2009 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
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BROOKLYN BRIDGES	Highway Functional Classification	2008	2009	Percent Change
Carroll Street Bridge	Local	1,103	956	- 13.3 %
Cropsey Avenue Bridge	Principal Arterial	35,881	36,379	1.4 %
Hamilton Avenue Bridge	Principal Arterial	52,731	55,577	5.4 %
Metropolitan Avenue Bridge	Principal Arterial	38,587	37,557	- 2.7 %
Mill Basin Bridge	Principal Arterial	144,010	144,536	0.4 %
Ninth Street Bridge	Minor Arterial	13,362	13,251	- 0.8 %
Stillwell Avenue Bridge	Principal Arterial	10,197	10,302	1.0 %
Third Avenue Bridge	Principal Arterial	17,901	17,587	- 1.8 %
Third Street Bridge	Minor Arterial	9,482	10,028	5.8 %
Union Street Bridge	Minor Arterial	4,390	4,441	1.2 %
Total, 10 Brooklyn Bridges		327,644	330,614	0.9 %

QUEENS BRIDGES				
Borden Avenue Bridge	Minor Arterial	15,002	<i>Closed</i>	
Flushing Bridge	Principal Arterial	56,179	54,941	- 2.2 %
Hook Creek Bridge	Principal Arterial	75,460	75,108	- 0.5 %
Hunters Point Bridge	Collector	7,165	16,467	129.8 %
Joseph P. Addabbo Bridge *	Principal Arterial	22,346	24,237	8.5 %
Little Neck Bridge	Principal Arterial	45,405	47,695	5.0 %
Midtown Highway Bridge	Interstate	84,769	84,048	- 0.9 %
Rikers Island Bridge	Collector	15,621	15,436	- 1.2 %
Roosevelt Avenue Bridge	Principal Arterial	18,859	17,168	- 9.0 %
Roosevelt Island Bridge	Collector	10,161	9,454	- 7.0 %
Whitestone Expwy Bridge	Interstate	193,122	198,124	2.6 %
Total, 11 Queens Bridges		544,089	542,678	- 0.3 %

STATEN ISLAND				
Fresh Kills Bridge	Principal Arterial	64,724	64,490	- 0.4 %

TOLL-FREE GRAND TOTALS		2,666,174	2,679,678	0.5 %
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* North Channel Bridge.

2008-2009 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
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MTABT Manhattan Facilities	Highway Functional Classification	2008	2009	Percent Change
Brooklyn-Battery Tunnel	Interstate	55,037	50,674	- 7.9 %
Henry Hudson Bridge	Principal Arterial	69,101	66,607	- 3.6 %
Queens-Midtown Tunnel	Interstate	86,709	85,144	- 1.8 %
R.F.K. Memorial Bridge Manhattan Plaza *	Principal Arterial	95,146	91,731	- 3.6 %
Total, 4 MTABT Manhattan Crossings		305,993	294,156	- 3.9 %

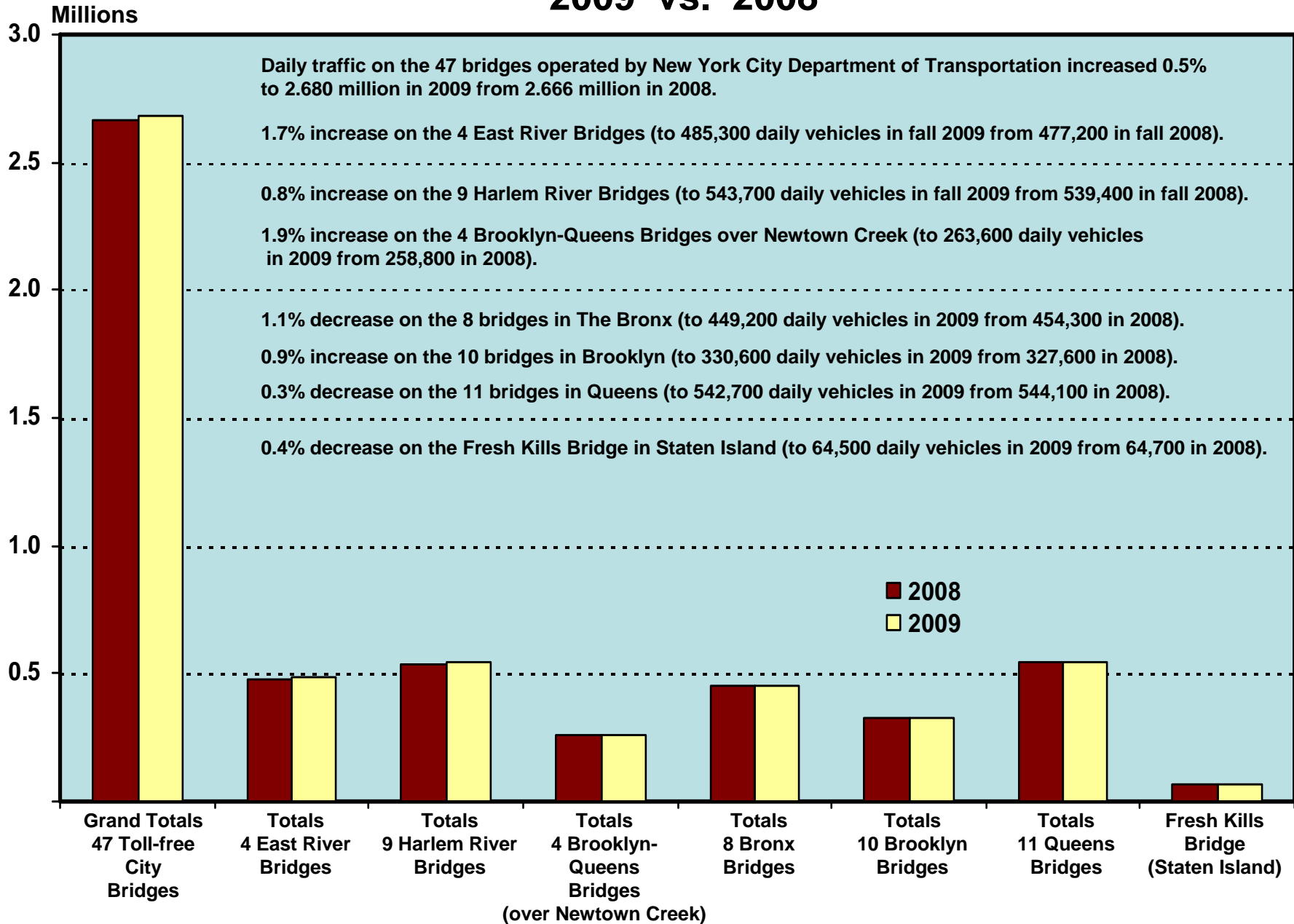
PANYNJ Manhattan Facilities				
George Washington Bridge	Interstate	293,059	289,694	- 1.1 %
Holland Tunnel	Interstate	97,057	96,184	- 0.9 %
Lincoln Tunnel	Principal Arterial	118,153	118,982	0.7 %
Total, 3 PANYNJ Manhattan - New Jersey Crossings		508,269	504,860	- 0.7 %

MTABT Outer Borough Bridges				
Bronx-Whitestone Bridge	Interstate	117,015	112,978	- 3.4 %
Cross Bay Bridge	Minor Arterial	21,876	21,762	- 0.5 %
Marine Parkway Gil Hodges Memorial Bridge	Minor Arterial	21,357	22,067	3.3 %
R.F.K. Memorial Bridge Bronx Plaza *	Interstate	77,606	78,459	1.1 %
Throgs Neck Bridge	Interstate	114,319	107,324	- 6.1 %
Verrazano-Narrows Bridge	Interstate	203,507	202,052	- 0.7 %
Total, 6 MTABT Outer Borough Bridges		555,680	544,642	- 2.0 %

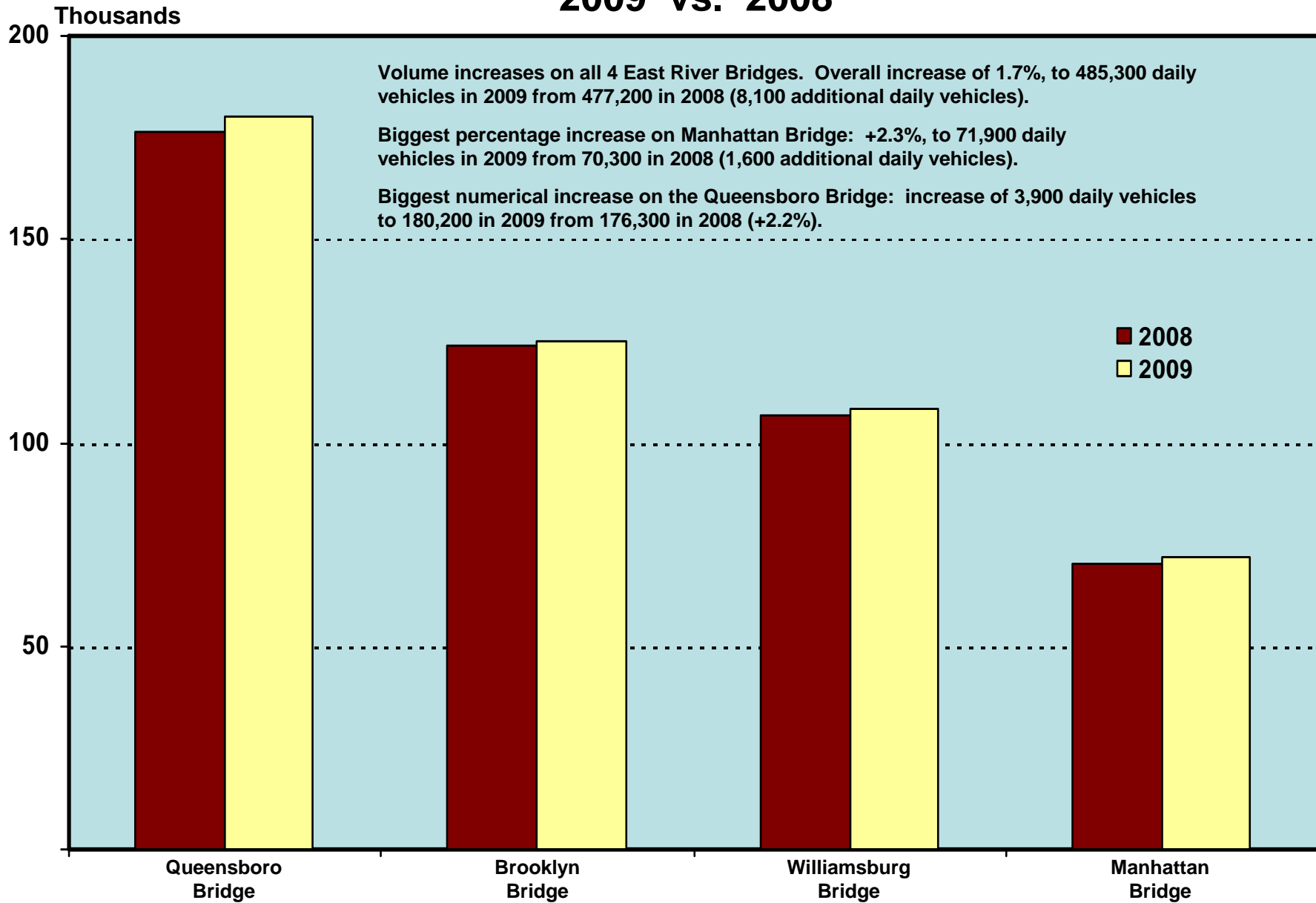
PANYNJ Staten Island Bridges				
Bayonne Bridge	Principal Arterial	20,058	19,422	- 3.2 %
Goethals Bridge	Interstate	72,834	71,230	- 2.2 %
Outerbridge Crossing	Principal Arterial	72,884	74,852	2.7 %
Total, 3 Staten Island - New Jersey Bridges		165,776	165,504	- 0.2 %

* Formerly Triborough Bridge.

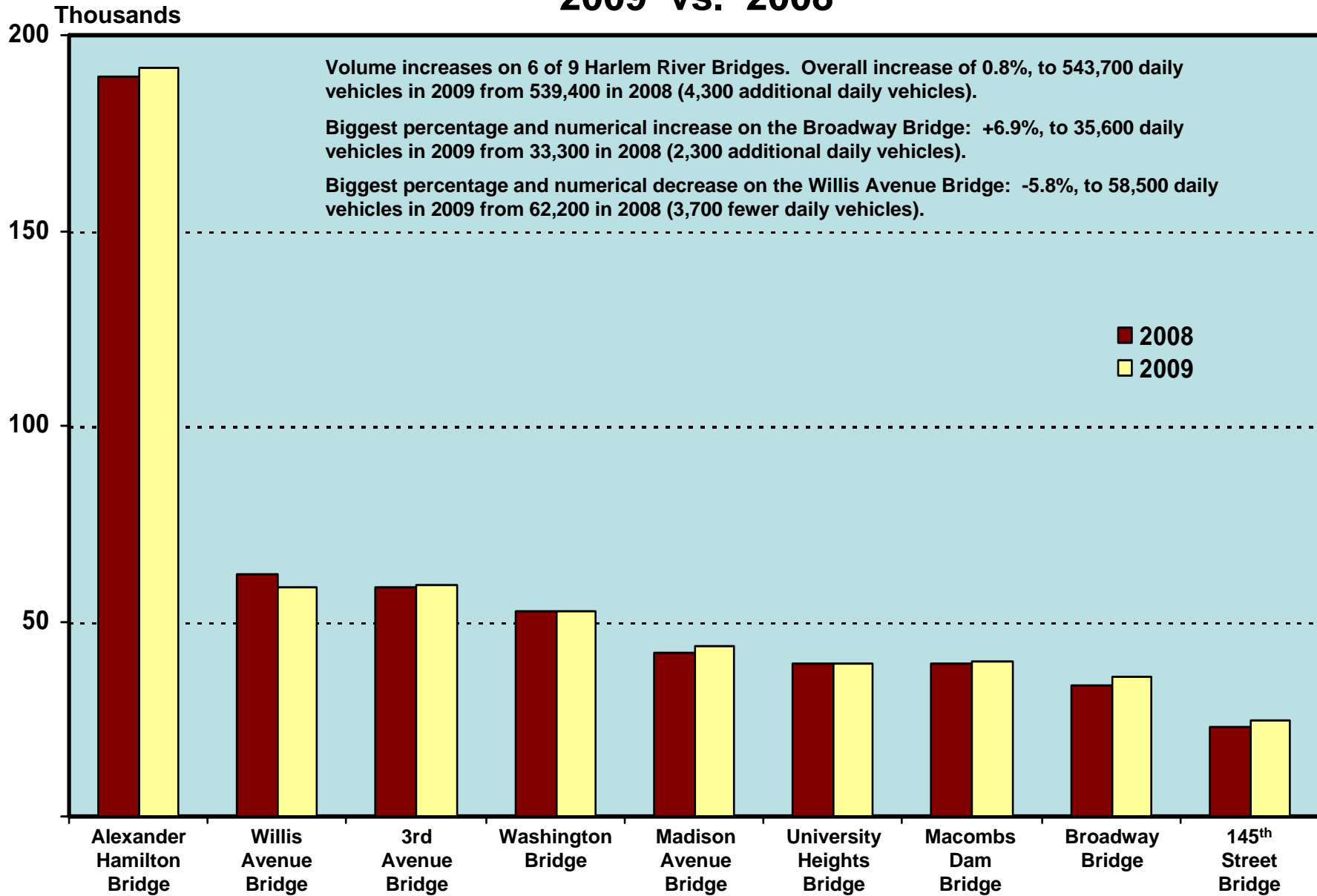
New York City Toll-free Bridges Daily Volumes 2009 vs. 2008



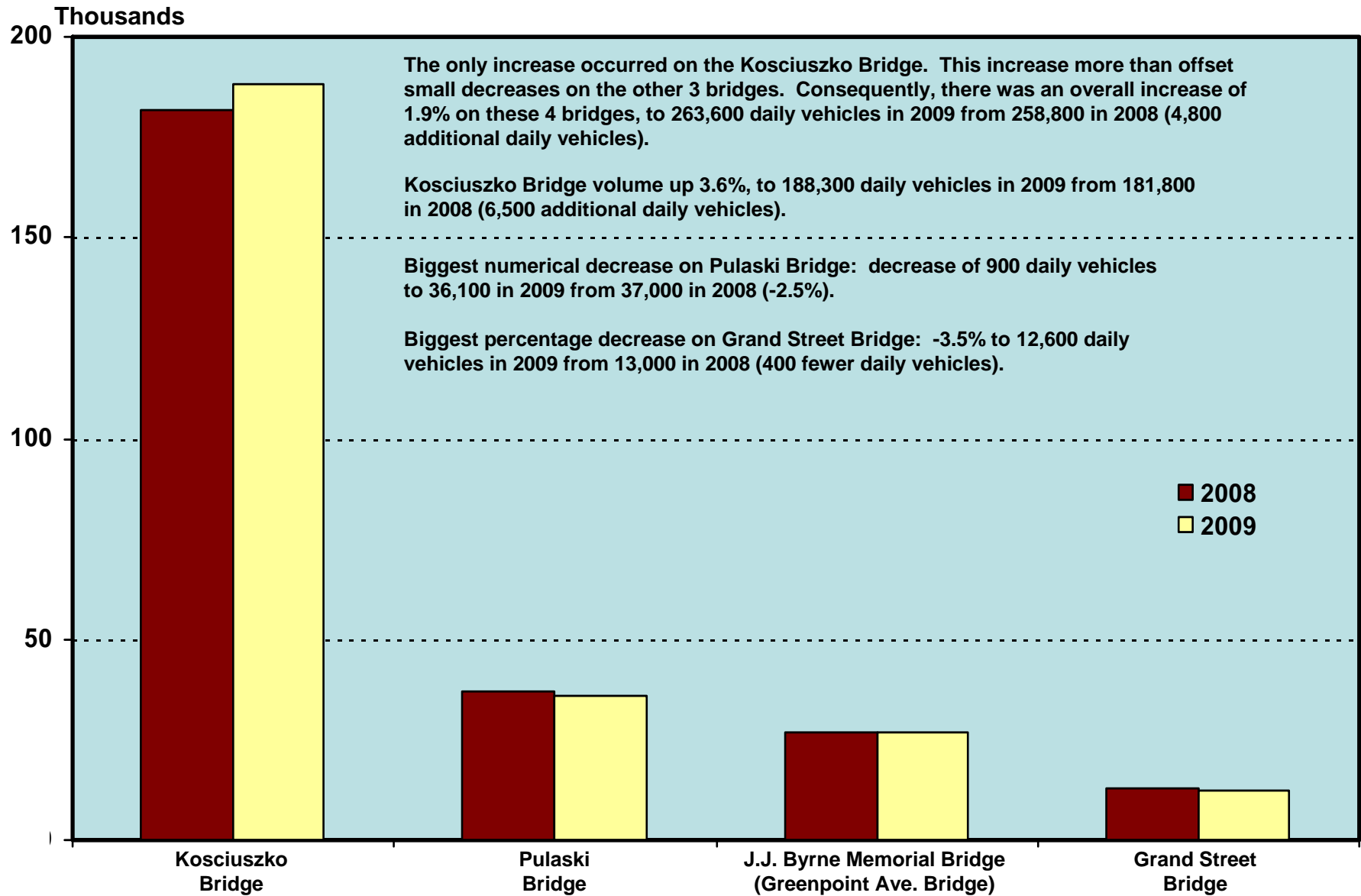
East River Bridges Daily Volumes 2009 vs. 2008



Harlem River Bridges Daily Volumes 2009 vs. 2008

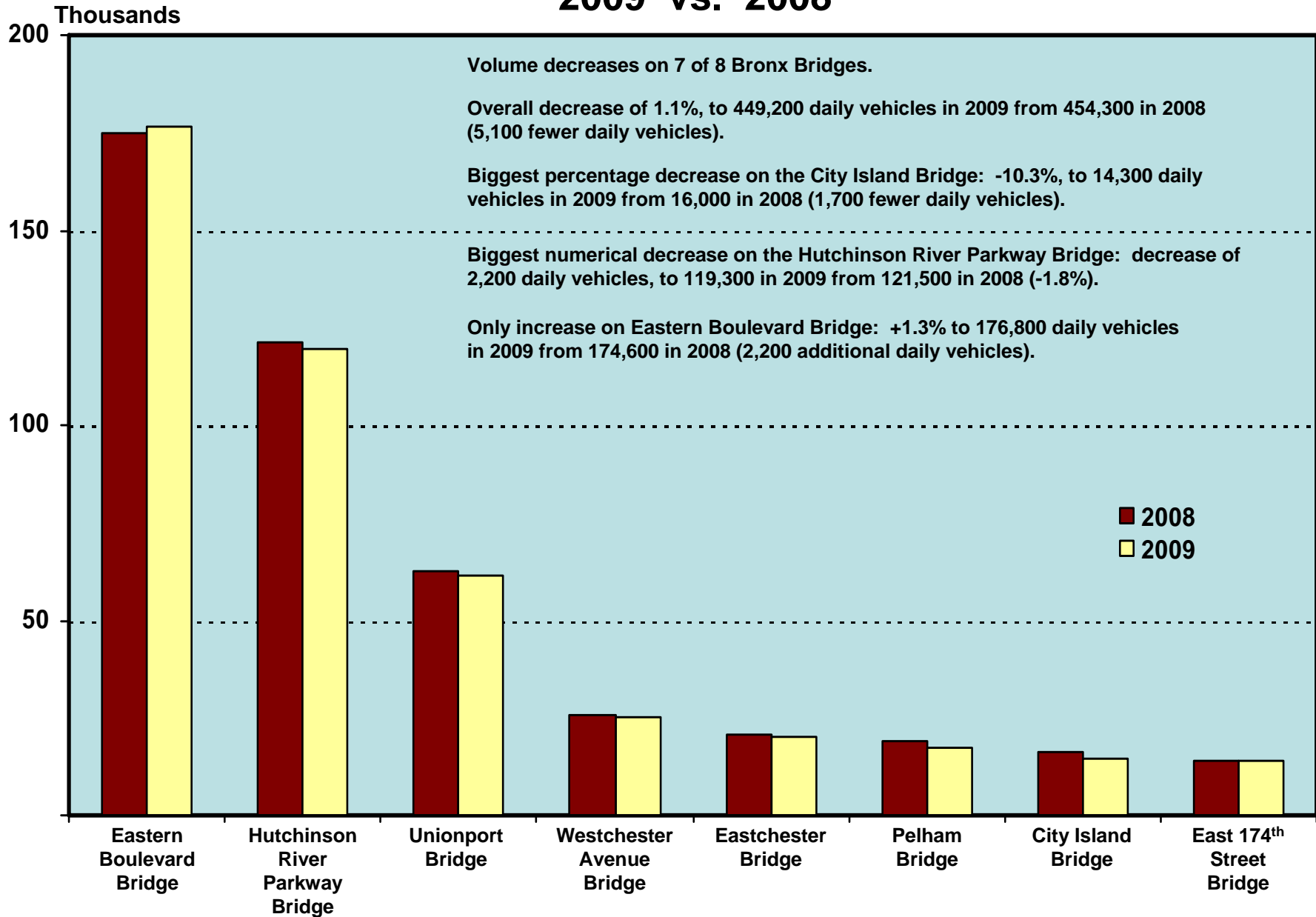


Brooklyn-Queens (Newtown Creek) Bridges Daily Volumes 2009 vs. 2008

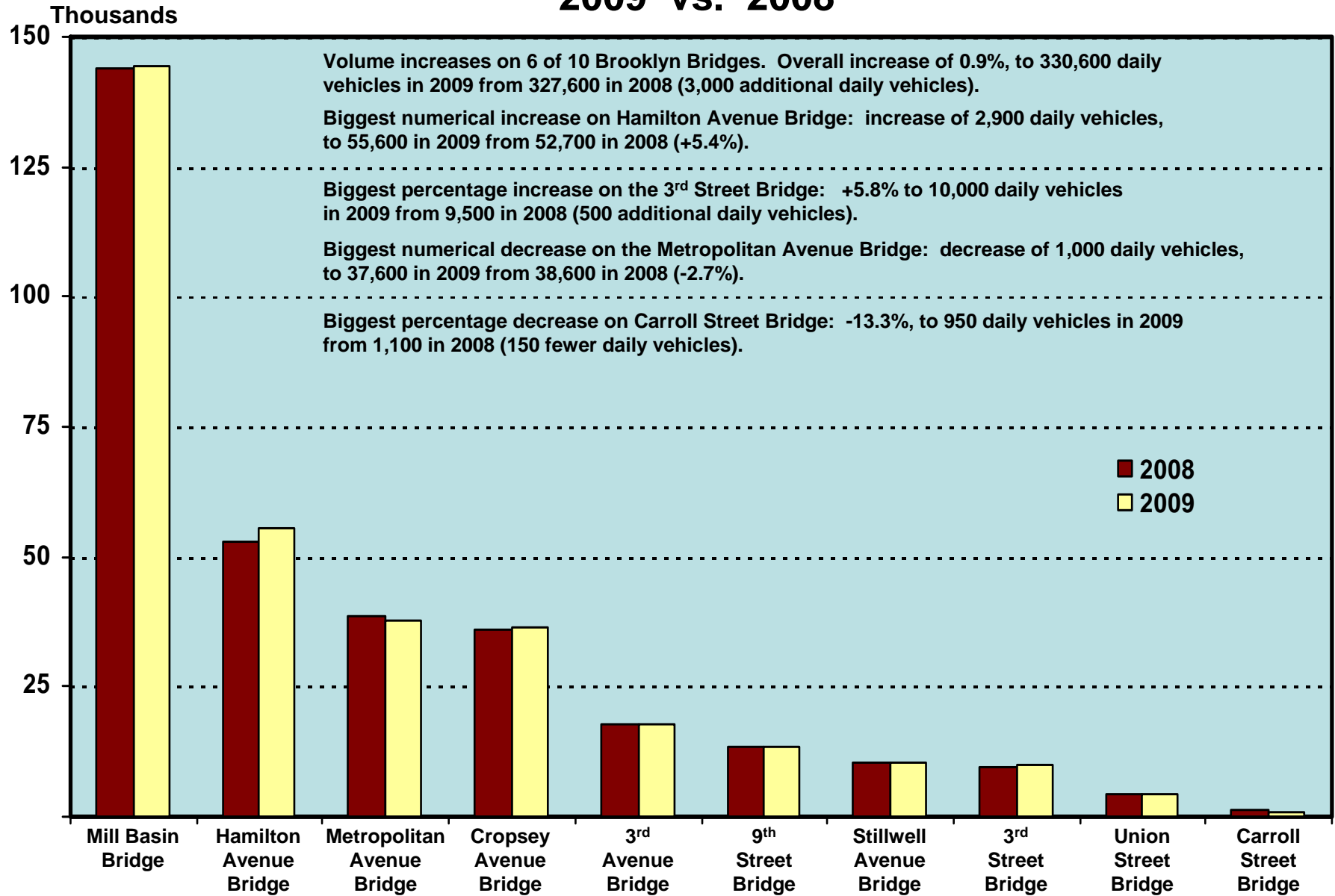


Bronx Bridges Daily Volumes

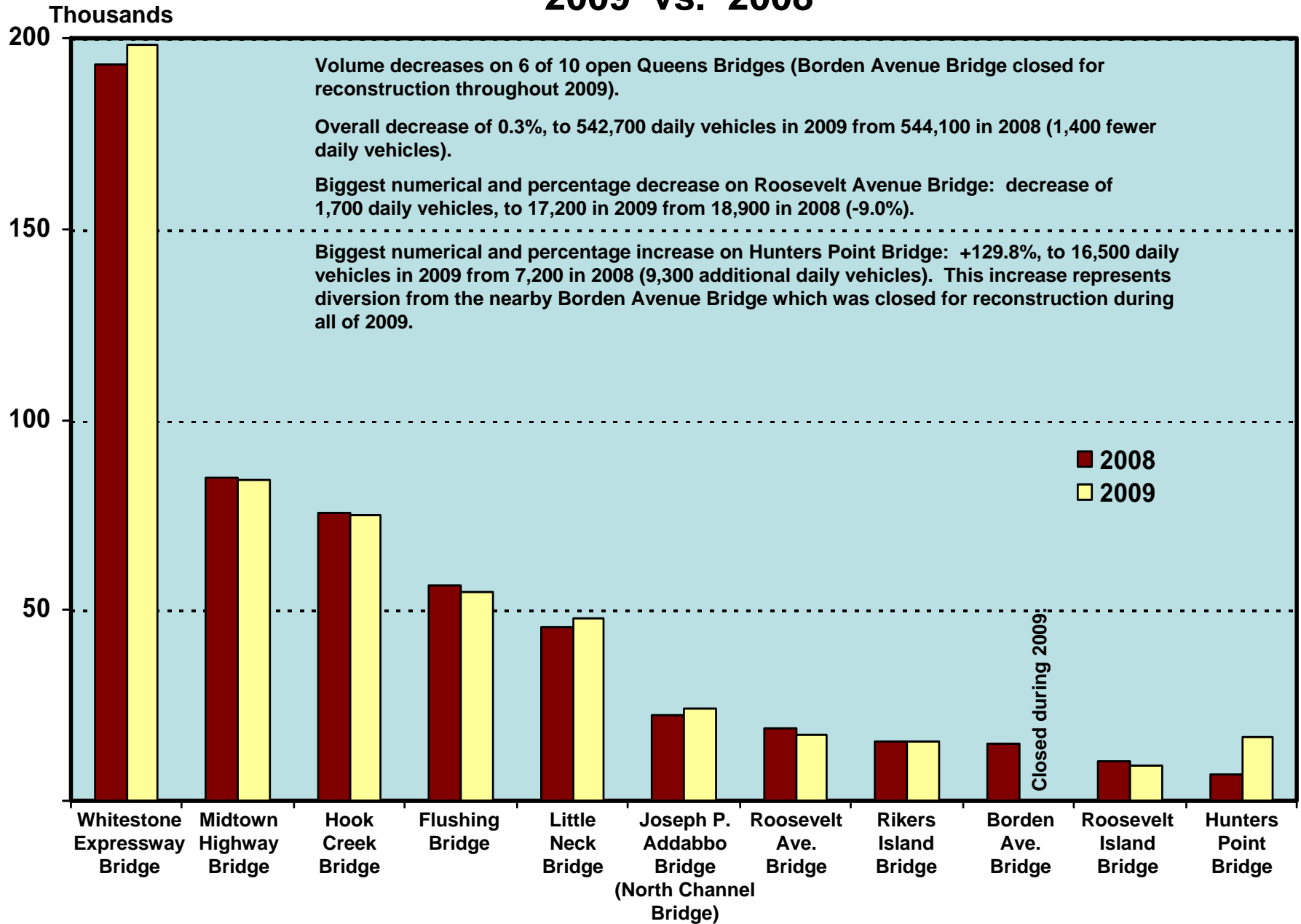
2009 vs. 2008



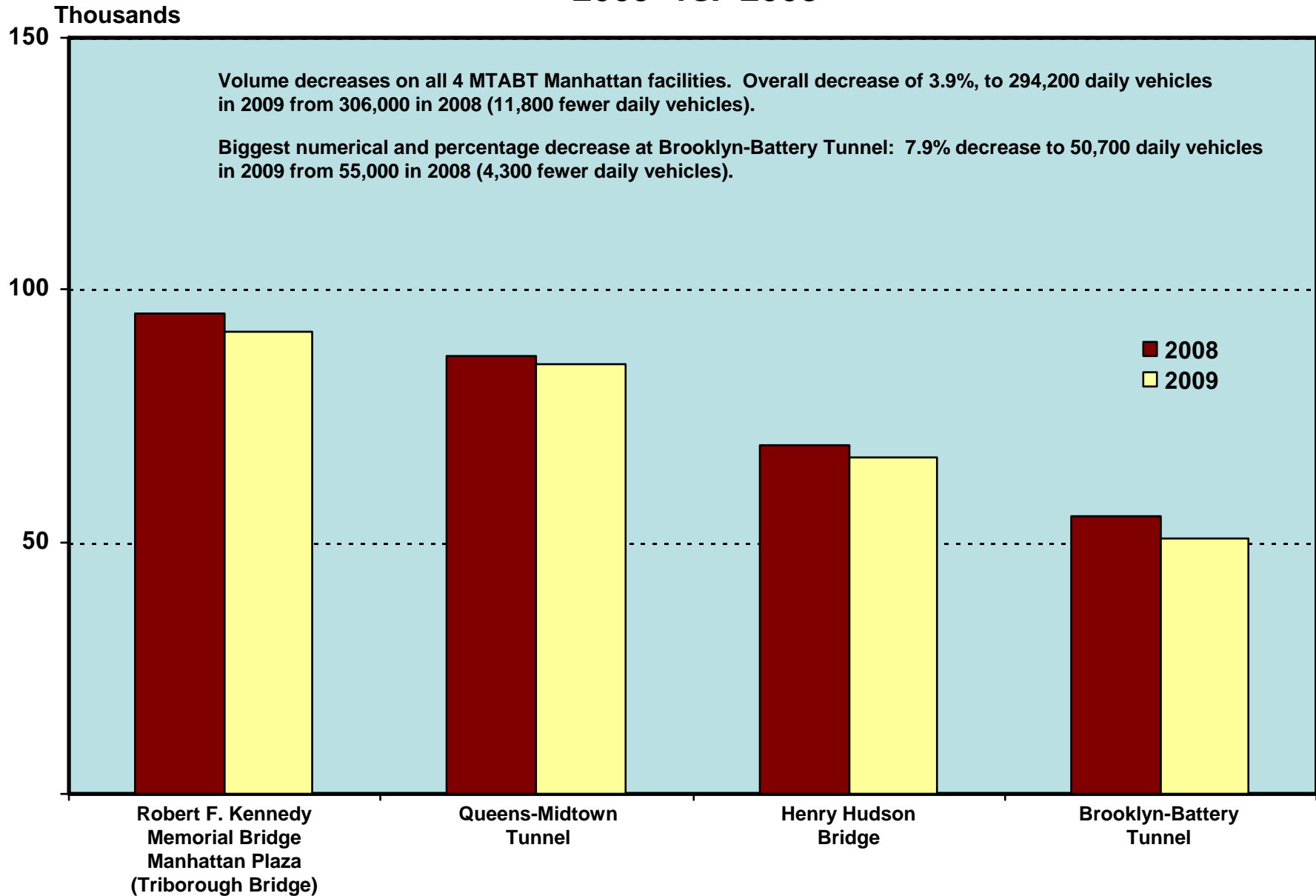
Brooklyn Bridges Daily Volumes 2009 vs. 2008



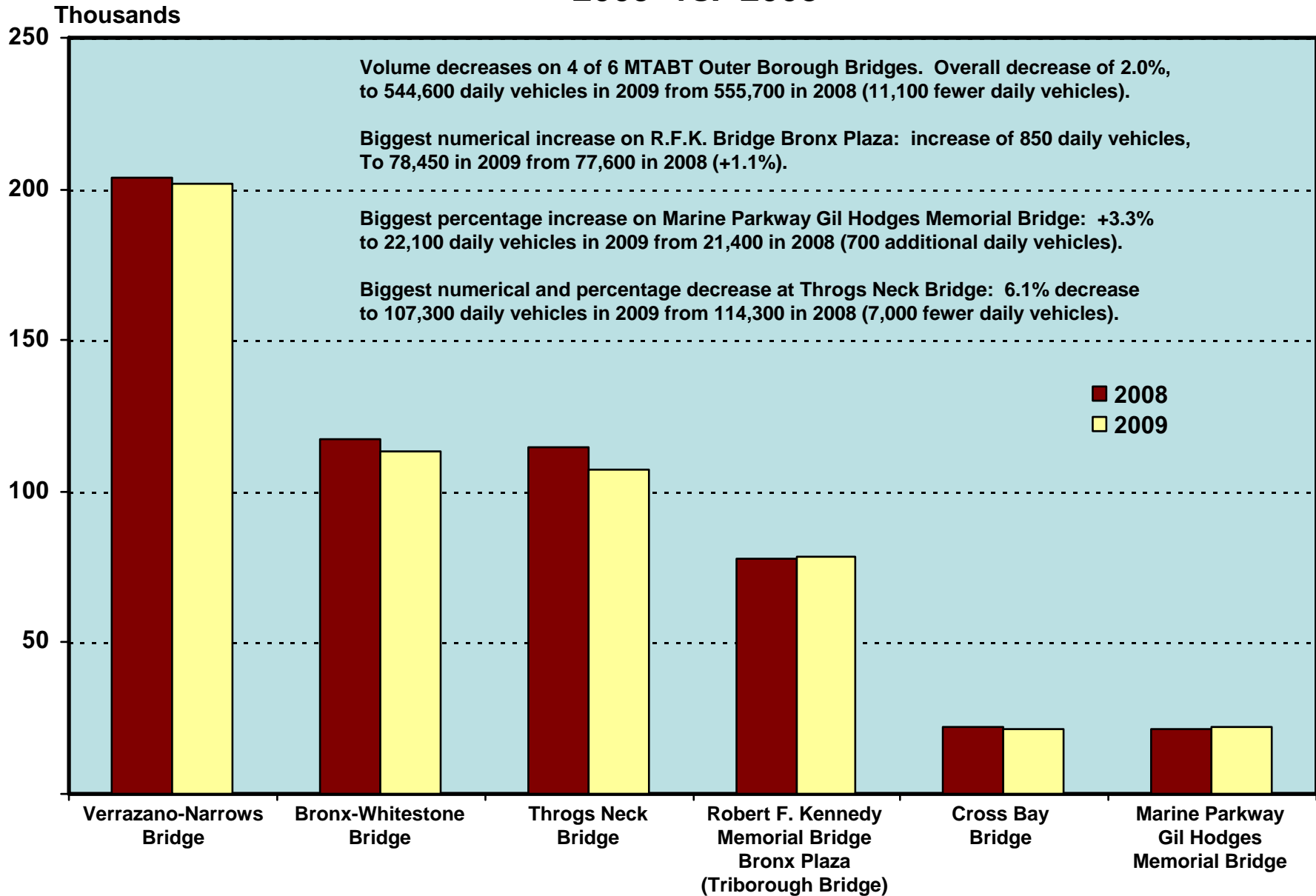
Queens Bridges Daily Volumes 2009 vs. 2008



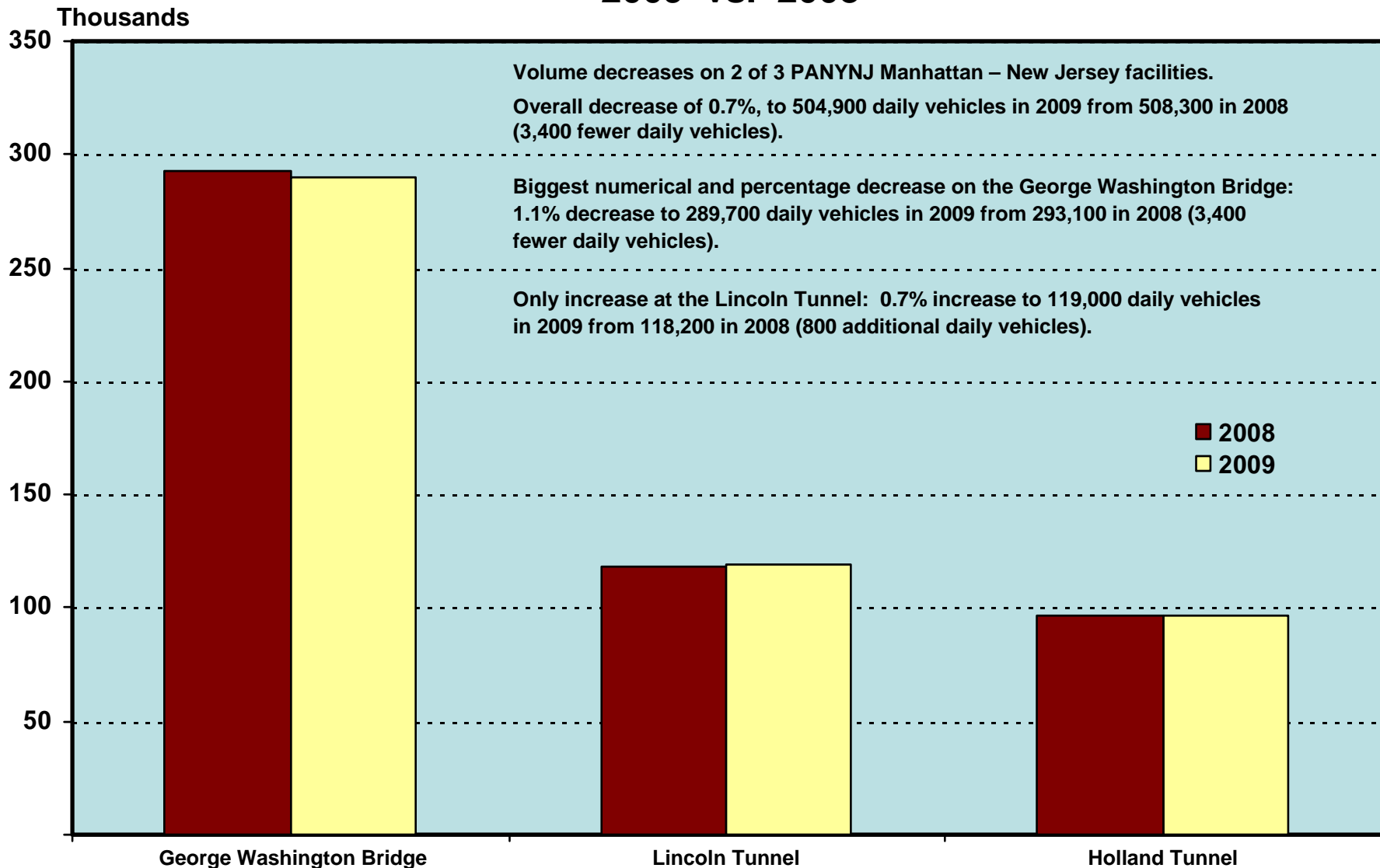
Metropolitan Transportation Authority Bridges & Tunnels (MTABT) Manhattan Facilities Daily Volumes 2009 vs. 2008



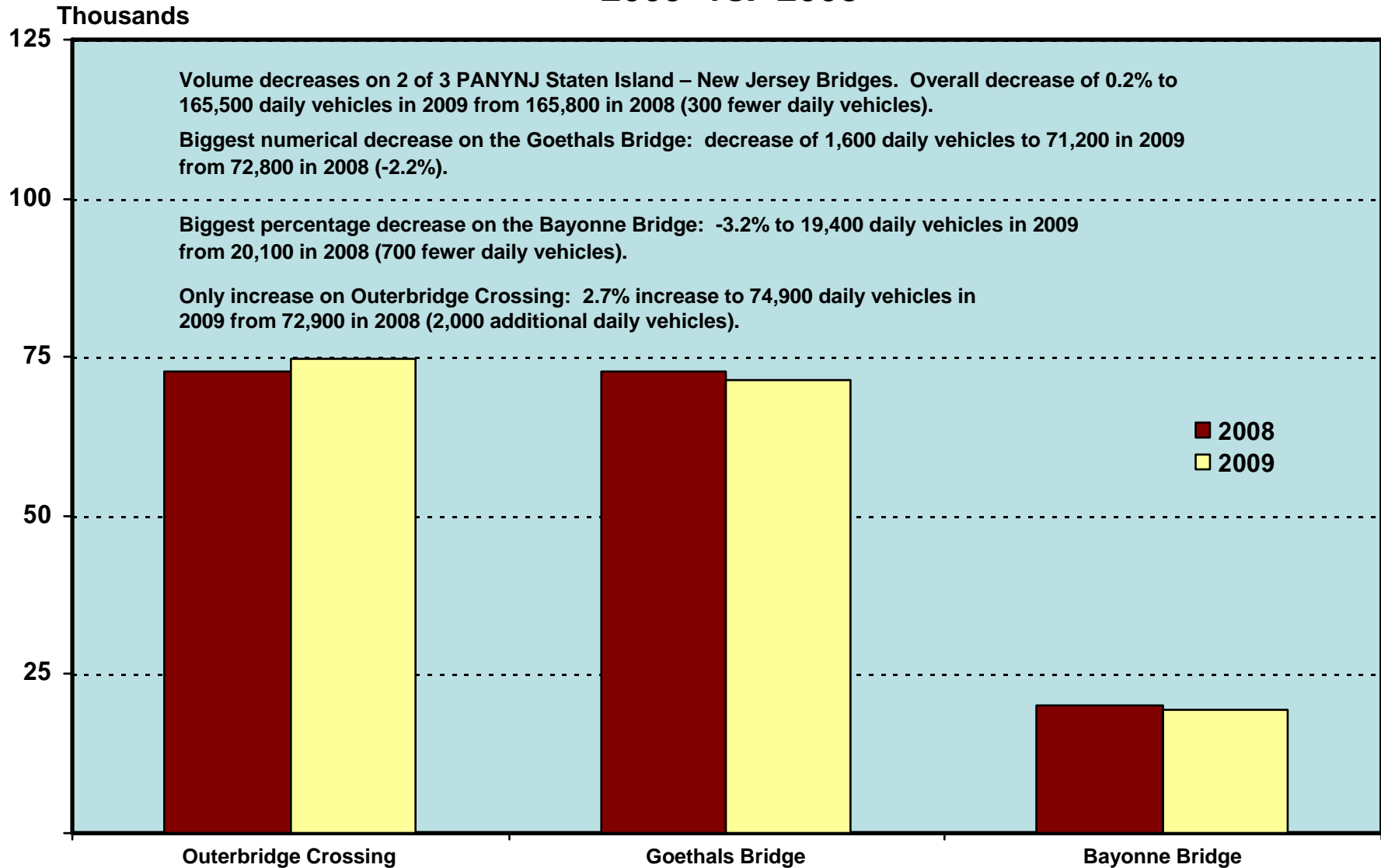
Metropolitan Transportation Authority Bridges & Tunnels (MTABT) Outer Borough Bridges Daily Volumes 2009 vs. 2008



Port Authority of New York & New Jersey (PANYNJ) Manhattan – N.J. Facilities Daily Volumes 2009 vs. 2008



Port Authority of New York & New Jersey (PANYNJ) Staten Island – N.J. Bridges Daily Volumes 2009 vs. 2008



Ten-Year Trends 1999 - 2009



Midtown Highway Bridge over Dutch Kills in Queens

Ten-Year Trends: 1999 - 2009

- Total traffic on the 47 City-operated bridges decreased 0.6% during this ten-year period, to 2,680,000 daily vehicles in 2009 from 2,695,000 in 1999.
- Traffic on the four toll-free East River bridges decreased 6.0%, to 485,300 daily vehicles in 2009 from 516,500 in 1999. The greatest numerical and percentage decrease occurred on the Manhattan Bridge, where daily volume decreased by 22.1%, to 71,900 in 2009 from 92,300 in 1999. The only increase was on the Williamsburg Bridge (+0.2%, to 108,200 daily vehicles from 107,900).
- Traffic on the nine toll-free Harlem River bridges decreased 3.5%, to 543,700 in 2009 from 563,200 in 1999. The greatest numerical and percentage decrease occurred on the Willis Avenue Bridge, where daily volume decreased by 18.2%, to 58,500 in 2009 from 71,600 in 1999. The biggest percentage increase was on the Madison Avenue Bridge (+14.1%, to 43,500 daily vehicles in 2009 from 38,100 in 1999). The biggest numerical increase was on the Alexander Hamilton Bridge where daily traffic increased to 191,600 daily vehicles in 2009 from 180,200 in 1999 (+6.4%).
- On the four bridges over Newtown Creek between Brooklyn and Queens, daily traffic decreased 1.2%, to 263,600 daily vehicles in 2009 from 266,800 in 1999. The greatest percentage decrease was recorded on the Grand Street Bridge (-12.6%, to 12,600 daily vehicles in 2009 from 14,400 in 1999). The greatest numerical decrease occurred on the Kosciuszko Bridge, where daily volume decreased to 188,300 in 2009 from 194,800 in 1999 (-3.3%). The greatest numerical and percentage increase occurred on the Pulaski Bridge, where daily volume increased by 16.6%, to 36,100 in 2009 from 31,000 in 1999.
- Daily volume on the eight bridges in the Bronx increased 11.2%, to 449,200 daily vehicles in 2009 from 403,900 in 1999. The greatest numerical increase occurred on the Hutchinson River Parkway Bridge, where volume increased by 20,600 daily vehicles, to 119,300 in 2009 from 98,700 in 1999 (+20.9%). The greatest percentage increase occurred on the East 174th Street Bridge (+149%, to 14,130 daily vehicles from 5,700). The greatest numerical and percentage decrease occurred on the Westchester Avenue Bridge, where daily volume decreased by 19.5%, to 25,100 in 2009 from 31,200 in 1999.
- Average daily traffic on the ten bridges in Brooklyn decreased 2.3%, to 330,600 daily vehicles in 2009 from 338,300 in 1999. The greatest percentage decrease was recorded on the Carroll Street Bridge (-23.4%, to 950 daily vehicles in 2009 from 1,250 in 1999). The greatest numerical decrease occurred on the Hamilton Avenue Bridge, where daily volume decreased to 55,600 in 2009 from 67,300 in 1999 (-17.4%). The greatest numerical and percentage increase occurred on the Ninth Street Bridge, where daily volume increased by 139%, to 13,300 in 2009 from 5,500 in 1999.
- Traffic on the eleven bridges in Queens increased 0.3%, to 542,700 daily vehicles in 2009 from 541,100 in 1999. The greatest numerical increase occurred on the Midtown Highway Bridge, where volume increased by 11,300 daily vehicles, to 84,000 in 2009 from 72,700 in 1999 (+15.5%). The greatest percentage increase occurred on the Hunters Point Avenue Bridge (+93.5%, to 16,500 daily vehicles from 8,500). Much of this increase was traffic diverted from the nearby Borden Avenue Bridge which was closed for reconstruction throughout 2009. The greatest percentage decrease was recorded on the Roosevelt Avenue Bridge (-27.8%, to 17,200 daily vehicles in 2009 from 23,800 in 1999). The greatest numerical decrease occurred on the Flushing Bridge, where daily volume decreased by 8,400, to 54,900 in 2009 from 63,300 in 1999 (-13.3%).

10-Year Traffic Volume Trends ~ 1999-2009
N.Y.C. Bridges and Tunnels
Both Directions
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EAST RIVER BRIDGES	Highway Functional Classification	1999	2009	Percent Change
Brooklyn Bridge	Principal Arterial	127,065	125,021	- 1.6 %
Manhattan Bridge	Principal Arterial	92,311	71,936	- 22.1 %
Queensboro Bridge	Principal Arterial	189,190	180,162	- 4.8 %
Williamsburg Bridge	Principal Arterial	107,941	108,194	0.2 %

Total, 4 East River Bridges		516,507	485,313	- 6.0 %
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HARLEM RIVER BRIDGES

Alexander Hamilton Bridge	Interstate	180,201	191,646	6.4 %
Broadway Bridge	Principal Arterial	35,412	35,566	0.4 %
Macombs Dam Bridge	Principal Arterial	41,813	39,508	- 5.5 %
Madison Avenue Bridge	Principal Arterial	38,102	43,480	14.1 %
Third Avenue Bridge	Principal Arterial	68,544	59,039	- 13.9 %
University Heights Bridge	Principal Arterial	42,287	39,165	- 7.4 %
Washington Bridge	Minor Arterial	58,907	52,420	- 11.0 %
Willis Avenue Bridge	Principal Arterial	71,555	58,548	- 18.2 %
145th Street Bridge	Minor Arterial	26,361	24,364	- 7.6 %

Total, 9 Harlem River Bridges		563,182	543,736	- 3.5 %
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BROOKLYN-QUEENS BRIDGES

Grand Street Bridge	Principal Arterial	14,390	12,576	- 12.6 %
J.J. Byrne Memorial Bridge *	Principal Arterial	26,613	26,637	0.1 %
Kosciuszko Bridge	Interstate	194,784	188,322	- 3.3 %
Pulaski Bridge	Principal Arterial	30,975	36,103	16.6 %

Total, 4 Brooklyn-Queens Bridges (Over Newtown Creek)		266,762	263,638	- 1.2 %
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BRONX BRIDGES

City Island Bridge	Minor Arterial	16,863	14,313	- 15.1 %
East 174th Street Bridge	Minor Arterial	5,667	14,130	149.3 %
Eastchester Bridge	Principal Arterial	21,510	20,329	- 5.5 %
Eastern Boulevard Bridge	Interstate	157,987	176,800	11.9 %
Hutchinson River Bridge	Principal Arterial	98,700	119,285	20.9 %
Pelham Bridge	Minor Arterial	21,430	17,521	- 18.2 %
Unionport Bridge	Principal Arterial	50,563	61,700	22.0 %
Westchester Avenue Bridge	Principal Arterial	31,214	25,131	- 19.5 %

Total, 8 Bronx Bridges		403,934	449,209	11.2 %
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* Also known as Greenpoint Avenue Bridge.

10-Year Traffic Volume Trends ~ 1999-2009
N.Y.C. Bridges and Tunnels
Both Directions
Page 2 of 3

BROOKLYN BRIDGES	Highway Functional Classification	1999	2009	Percent Change
Carroll Street Bridge	Local	1,248	956	- 23.4 %
Cropsey Avenue Bridge	Principal Arterial	31,076	36,379	17.1 %
Hamilton Avenue Bridge	Principal Arterial	67,259	55,577	- 17.4 %
Metropolitan Avenue Bridge	Principal Arterial	38,752	37,557	- 3.1 %
Mill Basin Bridge	Principal Arterial	147,347	144,536	- 1.9 %
Ninth Street Bridge	Minor Arterial	5,544	13,251	139.0 %
Stillwell Avenue Bridge	Principal Arterial	9,478	10,302	8.7 %
Third Avenue Bridge	Principal Arterial	21,647	17,587	- 18.8 %
Third Street Bridge	Minor Arterial	10,849	10,028	- 7.6 %
Union Street Bridge	Minor Arterial	5,061	4,441	- 12.3 %
Total, 10 Brooklyn Bridges		338,261	330,614	- 2.3 %

QUEENS BRIDGES

Borden Avenue Bridge	Minor Arterial	14,156	<i>Closed</i>	
Flushing Bridge	Principal Arterial	63,348	54,941	- 13.3 %
Hook Creek Bridge	Principal Arterial	70,555	75,108	6.5 %
Hunters Point Bridge	Collector	8,509	16,467	93.5 %
Joseph P. Addabbo Bridge *	Principal Arterial	19,337	24,237	25.3 %
Little Neck Bridge	Principal Arterial	52,846	47,695	- 9.7 %
Midtown Highway Bridge	Interstate	72,749	84,048	15.5 %
Rikers Island Bridge	Collector	14,240	15,436	8.4 %
Roosevelt Avenue Bridge	Principal Arterial	23,784	17,168	- 27.8 %
Roosevelt Island Bridge	Collector	9,491	9,454	- 0.4 %
Whitestone Expwy Bridge	Interstate	192,099	198,124	3.1 %
Total, 11 Queens Bridges		541,114	542,678	0.3 %

STATEN ISLAND

Fresh Kills Bridge	Principal Arterial	65,577	64,490	- 1.7 %
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TOLL-FREE GRAND TOTALS		2,695,337	2,679,678	- 0.6 %
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* North Channel Bridge.

10-Year Traffic Volume Trends ~ 1999-2009
N.Y.C. Bridges and Tunnels
Both Directions
Page 3 of 3

MTABT Manhattan Facilities	Highway Functional Classification	1999	2009	Percent Change
Brooklyn-Battery Tunnel	Interstate	63,307	50,674	- 20.0 %
Henry Hudson Bridge	Principal Arterial	61,165	66,607	8.9 %
Queens-Midtown Tunnel	Interstate	80,941	85,144	5.2 %
R.F.K. Memorial Bridge Manhattan Plaza *	Principal Arterial	98,553	91,731	- 6.9 %
Total, 4 MTABT Manhattan Crossings		303,966	294,156	- 3.2 %

PANYNJ Manhattan Facilities				
George Washington Bridge	Interstate	317,640	289,694	- 8.8 %
Holland Tunnel	Interstate	103,020	96,184	- 6.6 %
Lincoln Tunnel	Principal Arterial	128,692	118,982	- 7.5 %
Total, 3 PANYNJ Manhattan - New Jersey Crossings		549,352	504,860	- 8.1 %

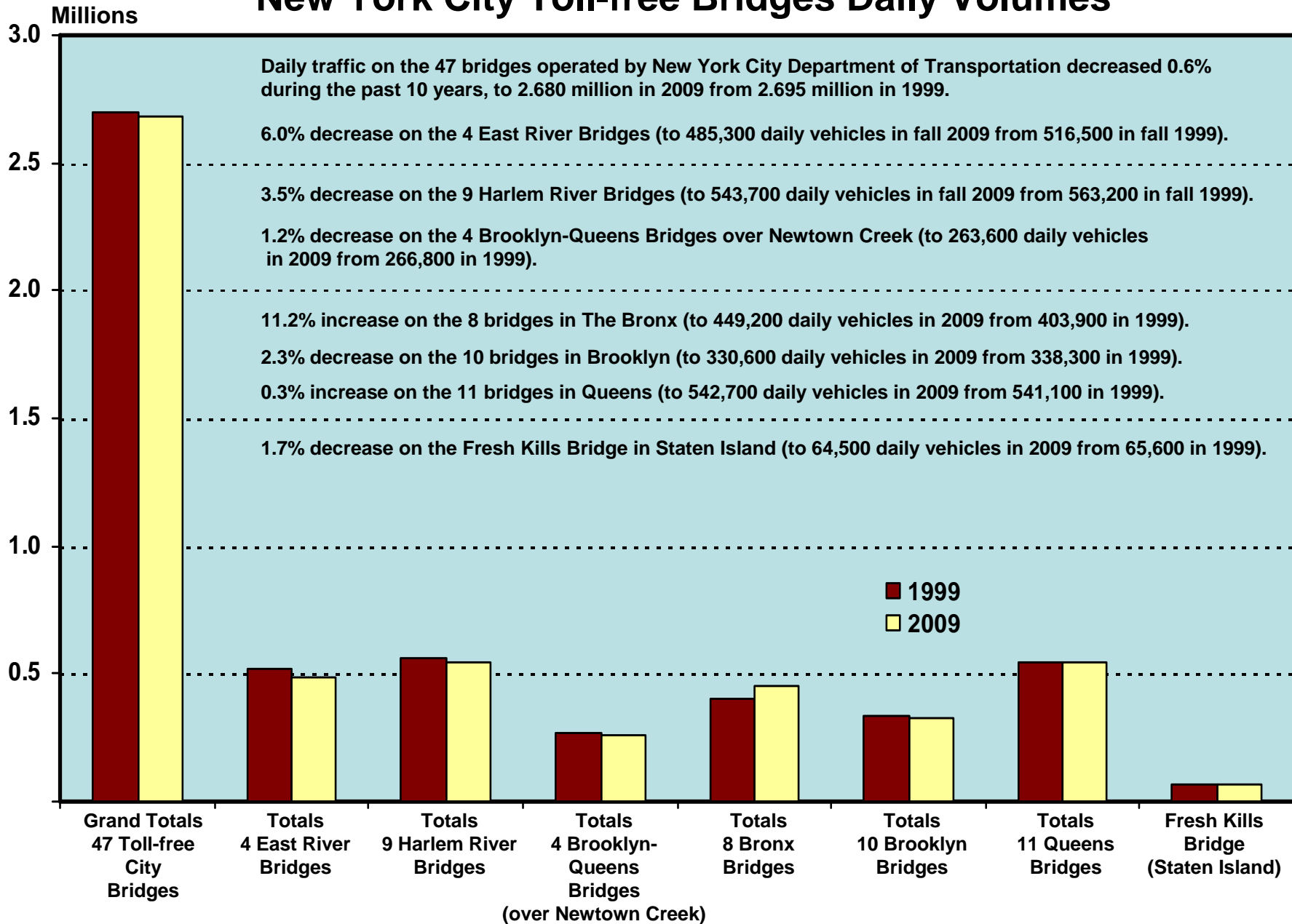
MTABT Outer Borough Bridges				
Bronx-Whitestone Bridge	Interstate	120,170	112,978	- 6.0 %
Cross Bay Bridge	Minor Arterial	16,975	21,762	28.2 %
Marine Parkway Gil Hodges Memorial Bridge	Minor Arterial	19,904	22,067	10.9 %
R.F.K. Memorial Bridge Bronx Plaza *	Interstate	80,019	78,459	- 1.9 %
Throgs Neck Bridge	Interstate	90,986	107,324	18.0 %
Verrazano-Narrows Bridge	Interstate	194,623	202,052	3.8 %
Total, 6 MTABT Outer Borough Bridges		522,677	544,642	4.2 %

PANYNJ Staten Island Bridges				
Bayonne Bridge	Principal Arterial	17,603	19,422	10.3 %
Goethals Bridge	Interstate	70,863	71,230	0.5 %
Outerbridge Crossing	Principal Arterial	78,424	74,852	- 4.6 %
Total, 3 Staten Island - New Jersey Bridges		166,890	165,504	- 0.8 %

* Formerly Triborough Bridge.

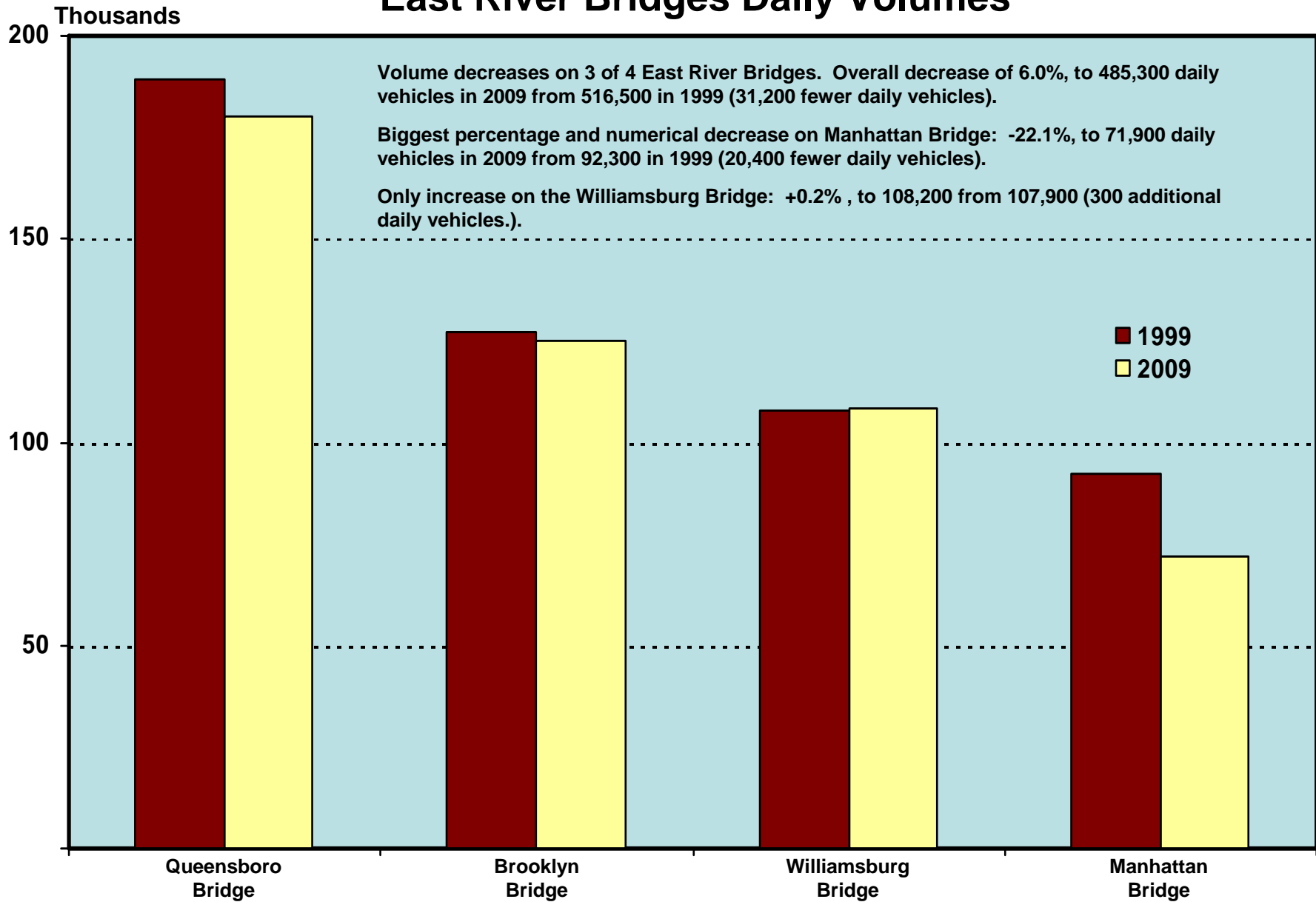
10-Year Volume Changes ~ 1999 – 2009

New York City Toll-free Bridges Daily Volumes



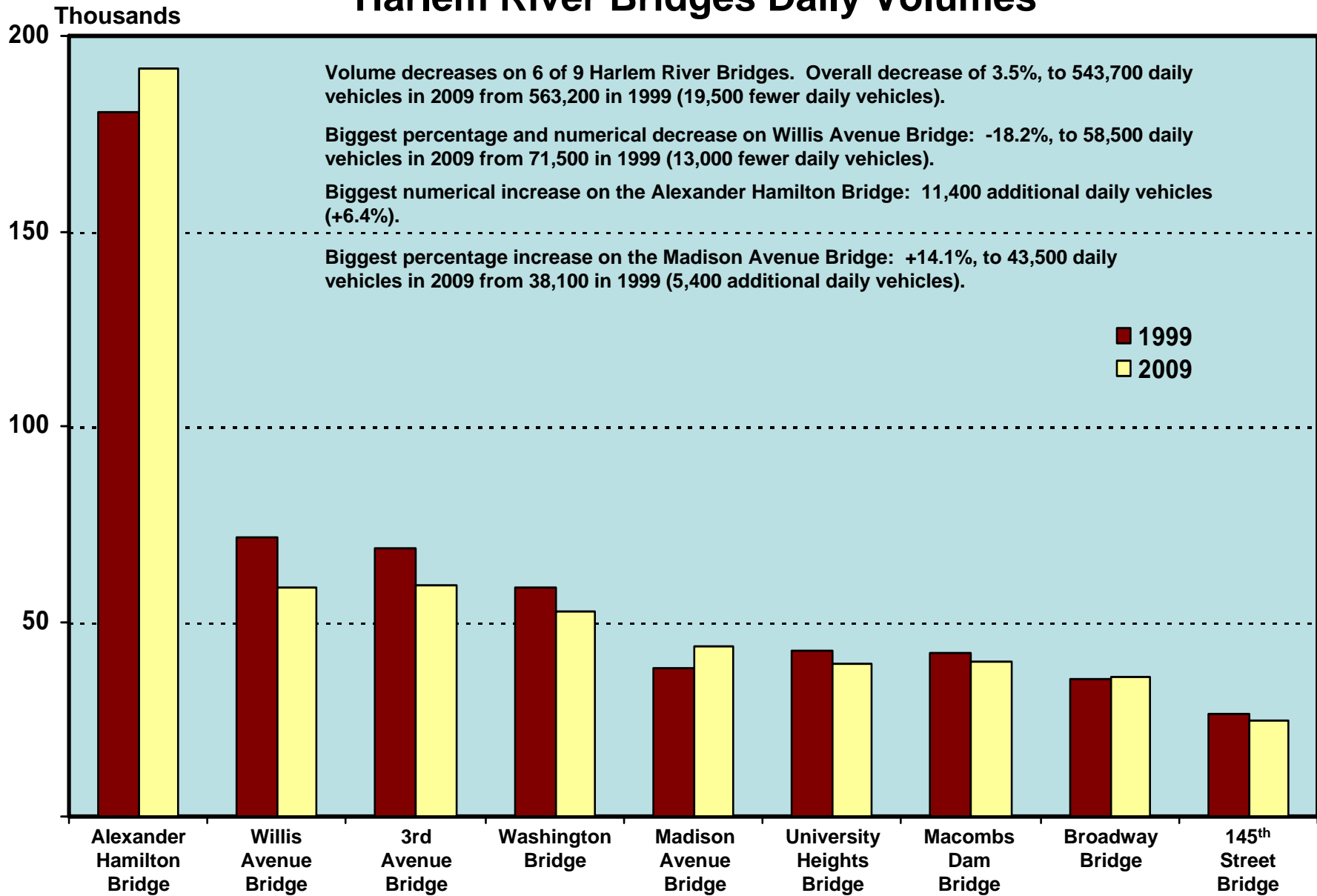
10-Year Volume Changes ~ 1999 – 2009

East River Bridges Daily Volumes



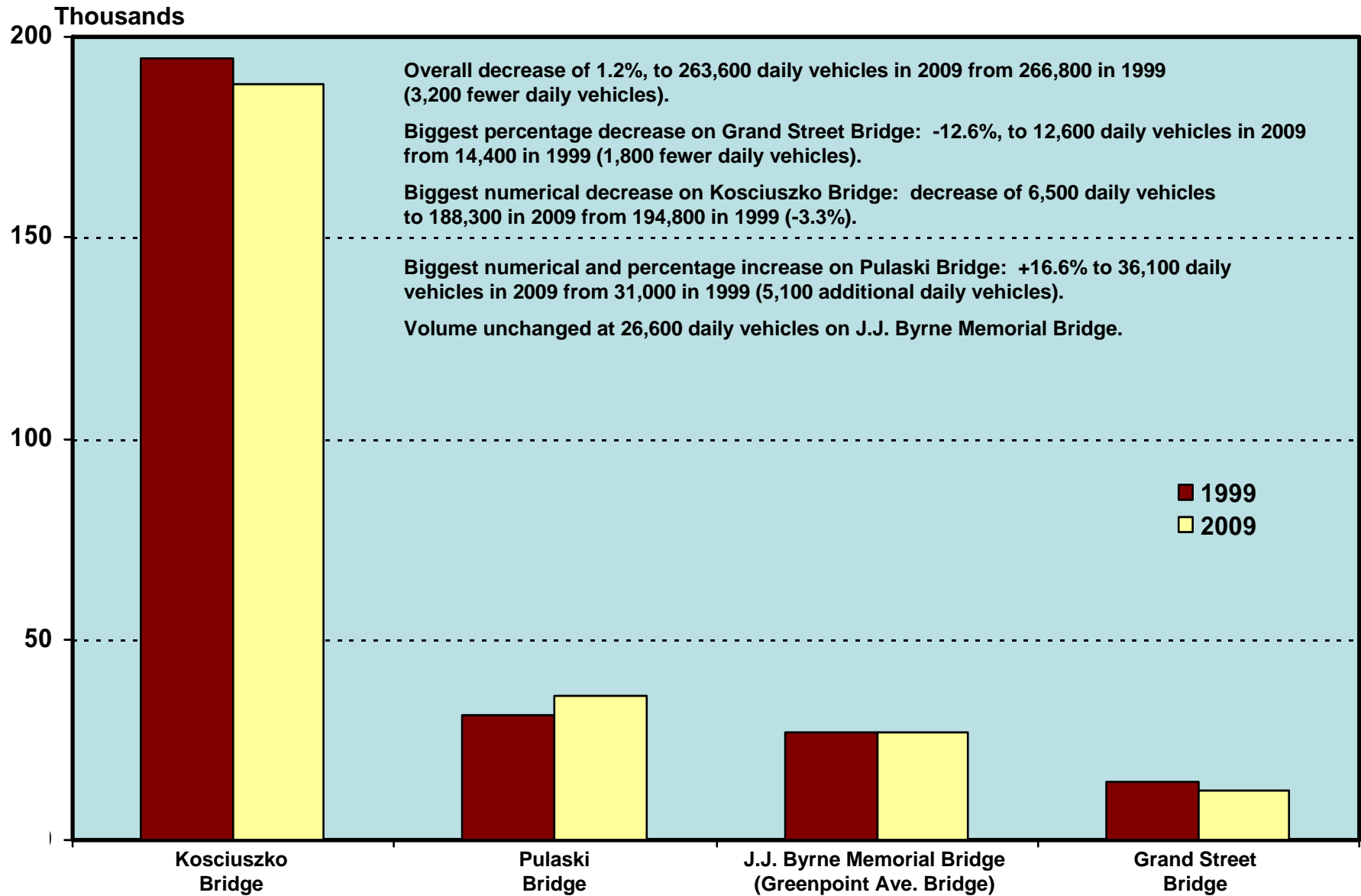
10-Year Volume Changes ~ 1999 – 2009

Harlem River Bridges Daily Volumes



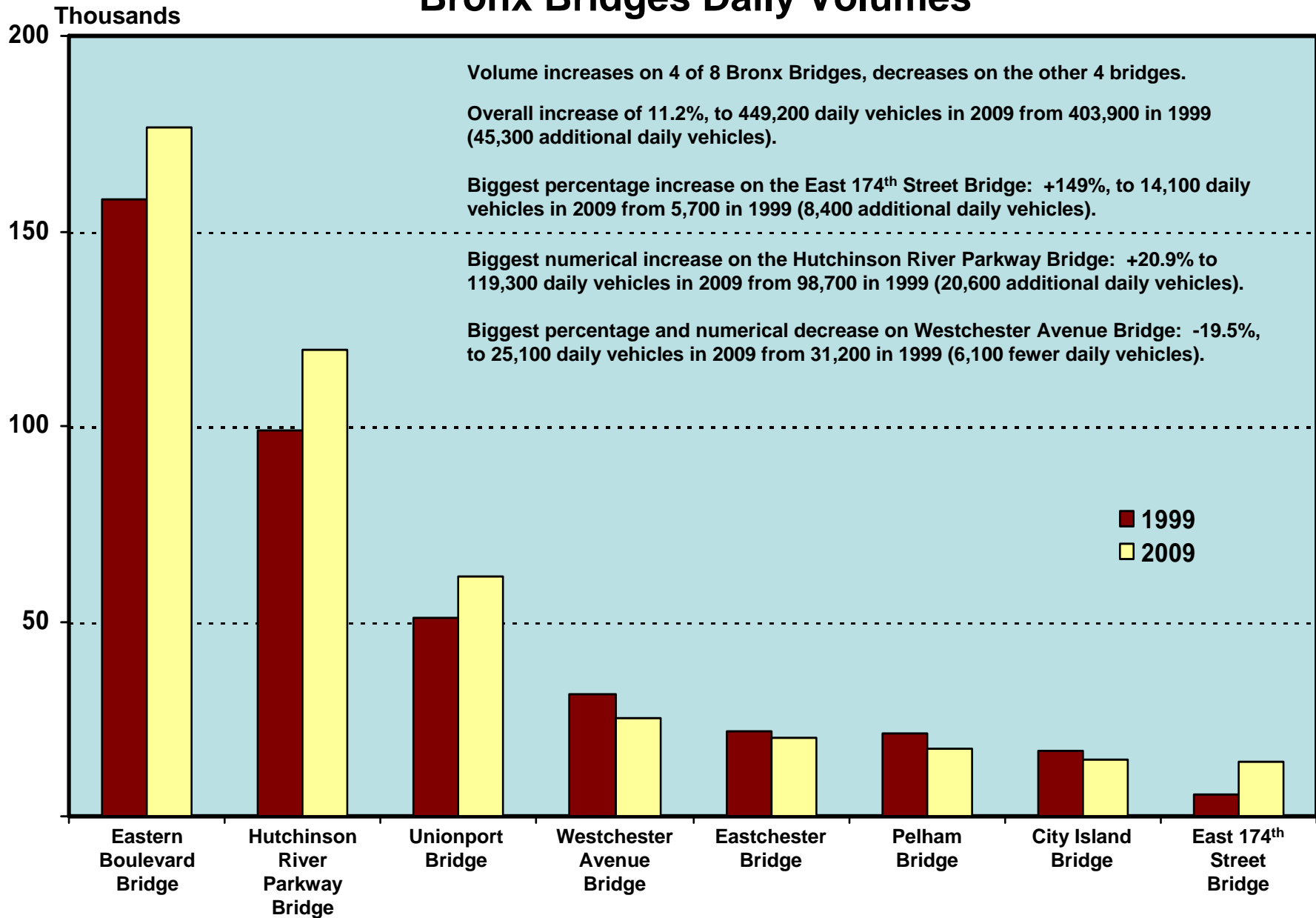
10-Year Volume Changes ~ 1999 – 2009

Brooklyn-Queens (Newtown Creek) Bridges Daily Volumes



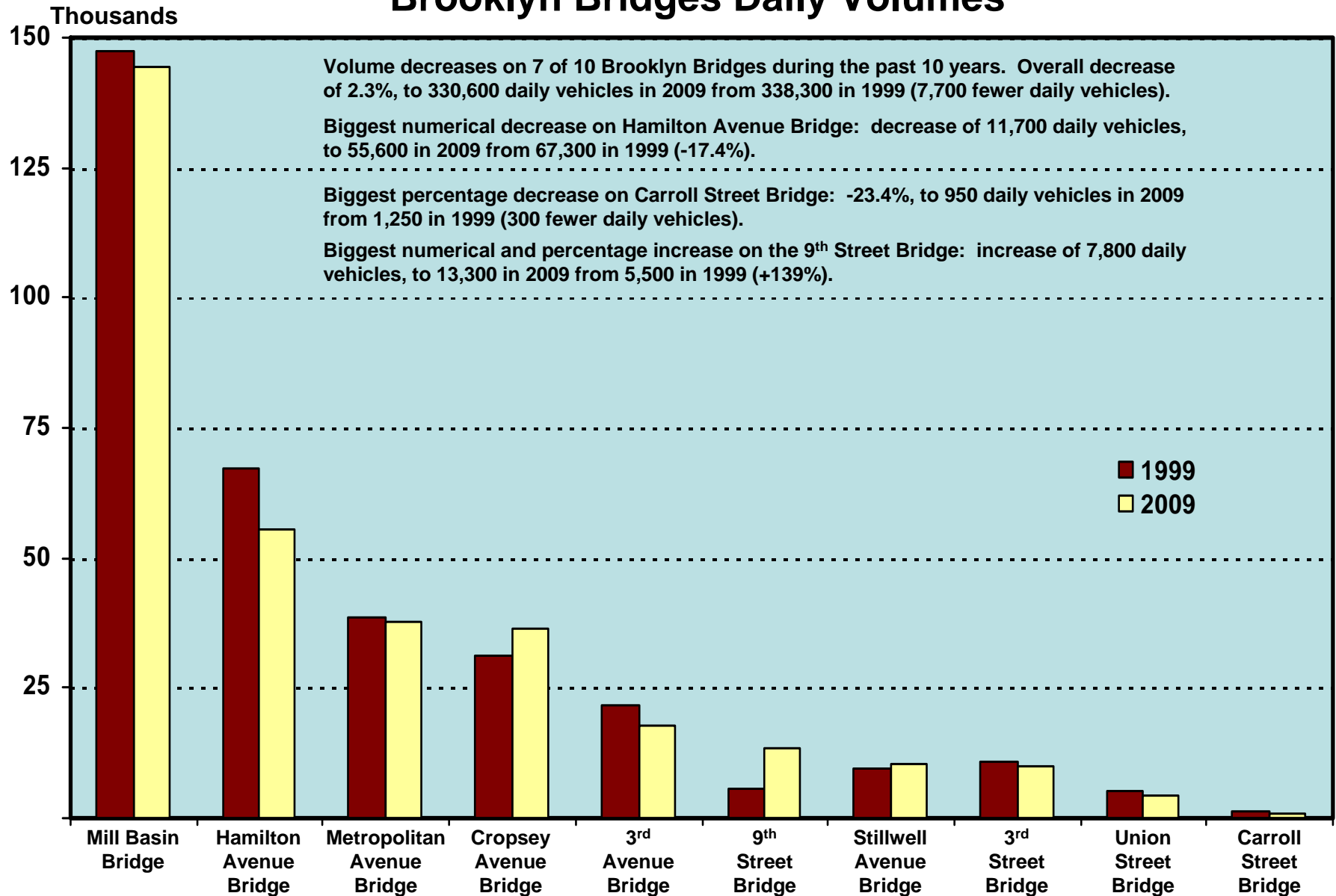
10-Year Volume Changes ~ 1999 – 2009

Bronx Bridges Daily Volumes



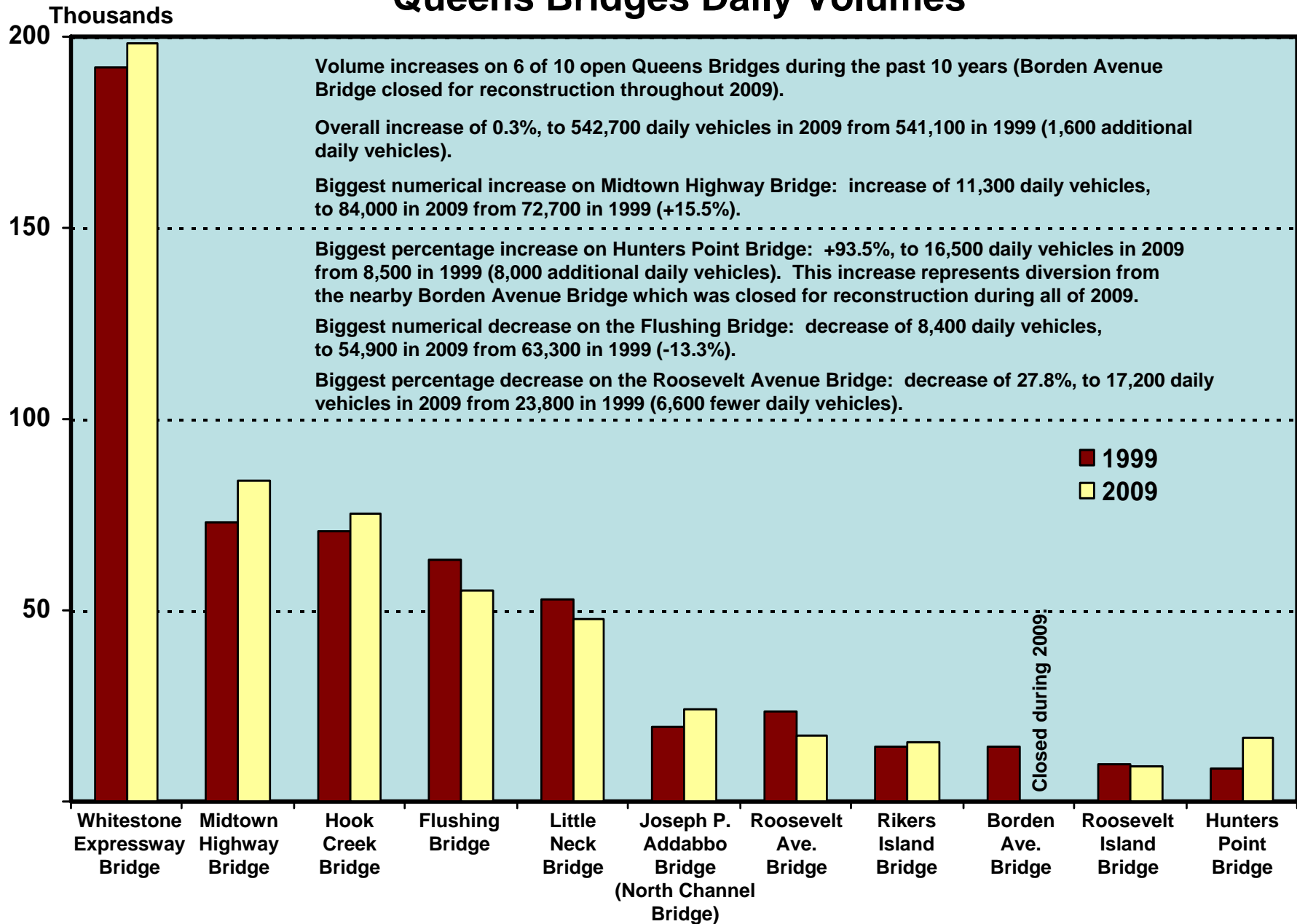
10-Year Volume Changes ~ 1999 – 2009

Brooklyn Bridges Daily Volumes



10-Year Volume Changes ~ 1999 – 2009

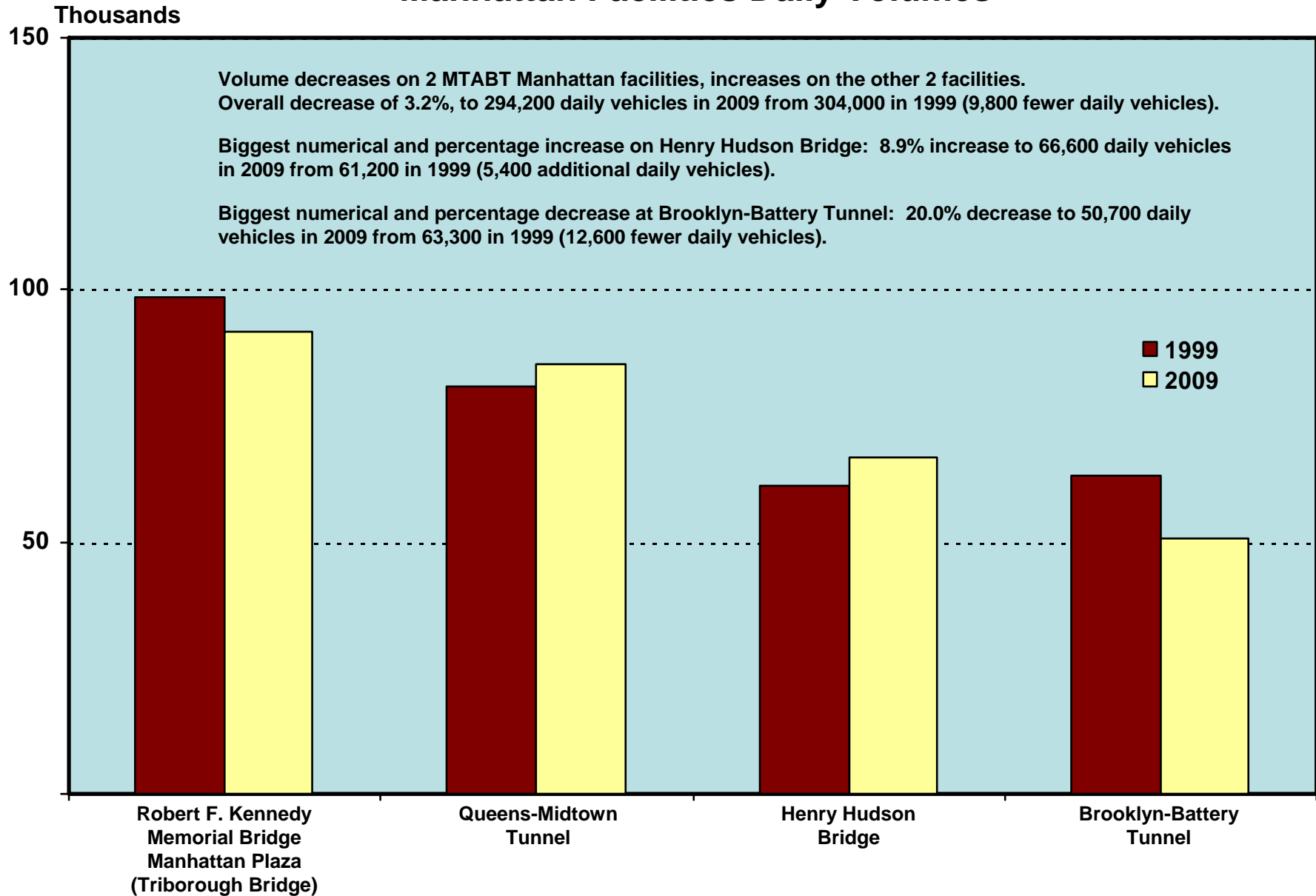
Queens Bridges Daily Volumes



10-Year Volume Changes ~ 1999 – 2009

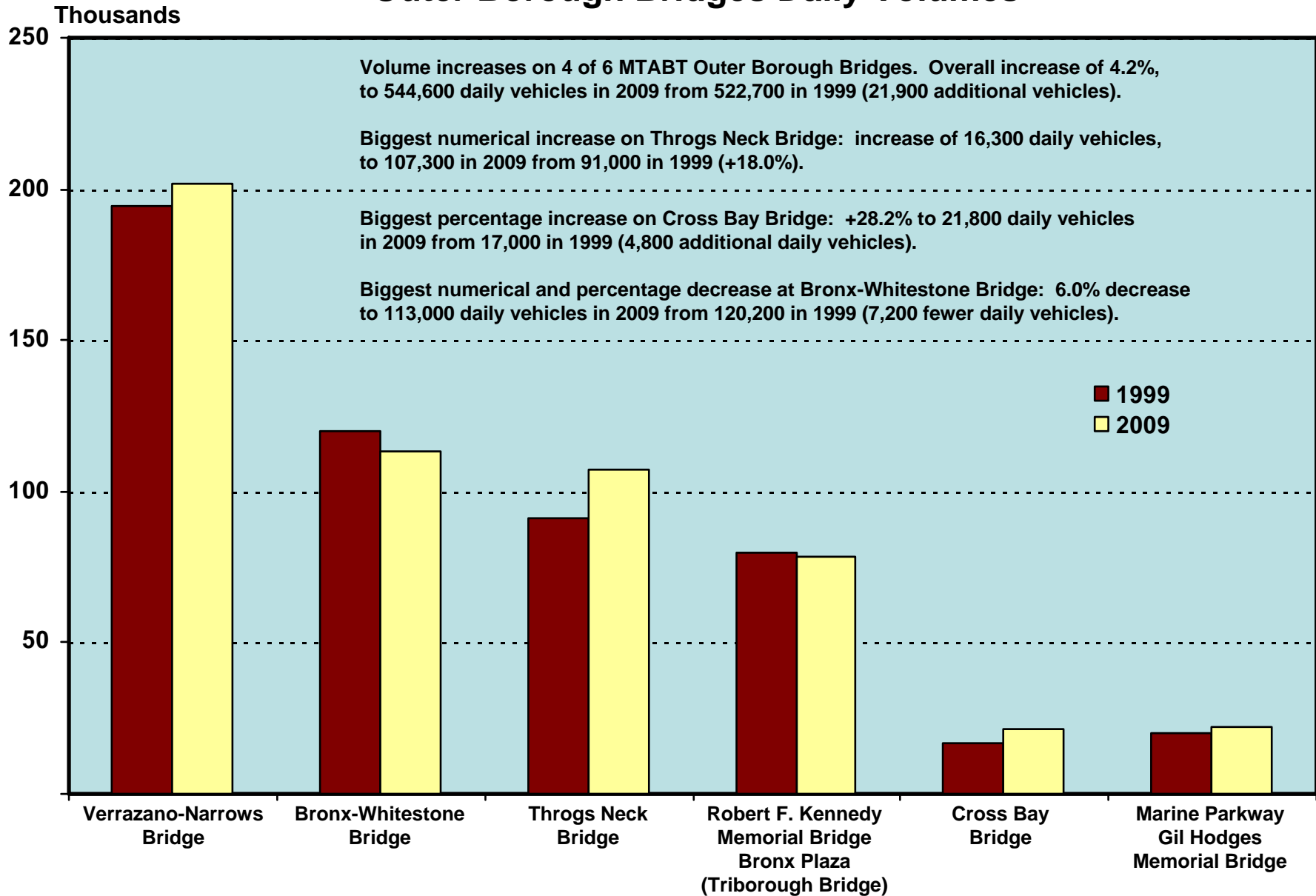
Metropolitan Transportation Authority Bridges & Tunnels (MTABT)

Manhattan Facilities Daily Volumes



10-Year Volume Changes ~ 1999 – 2009

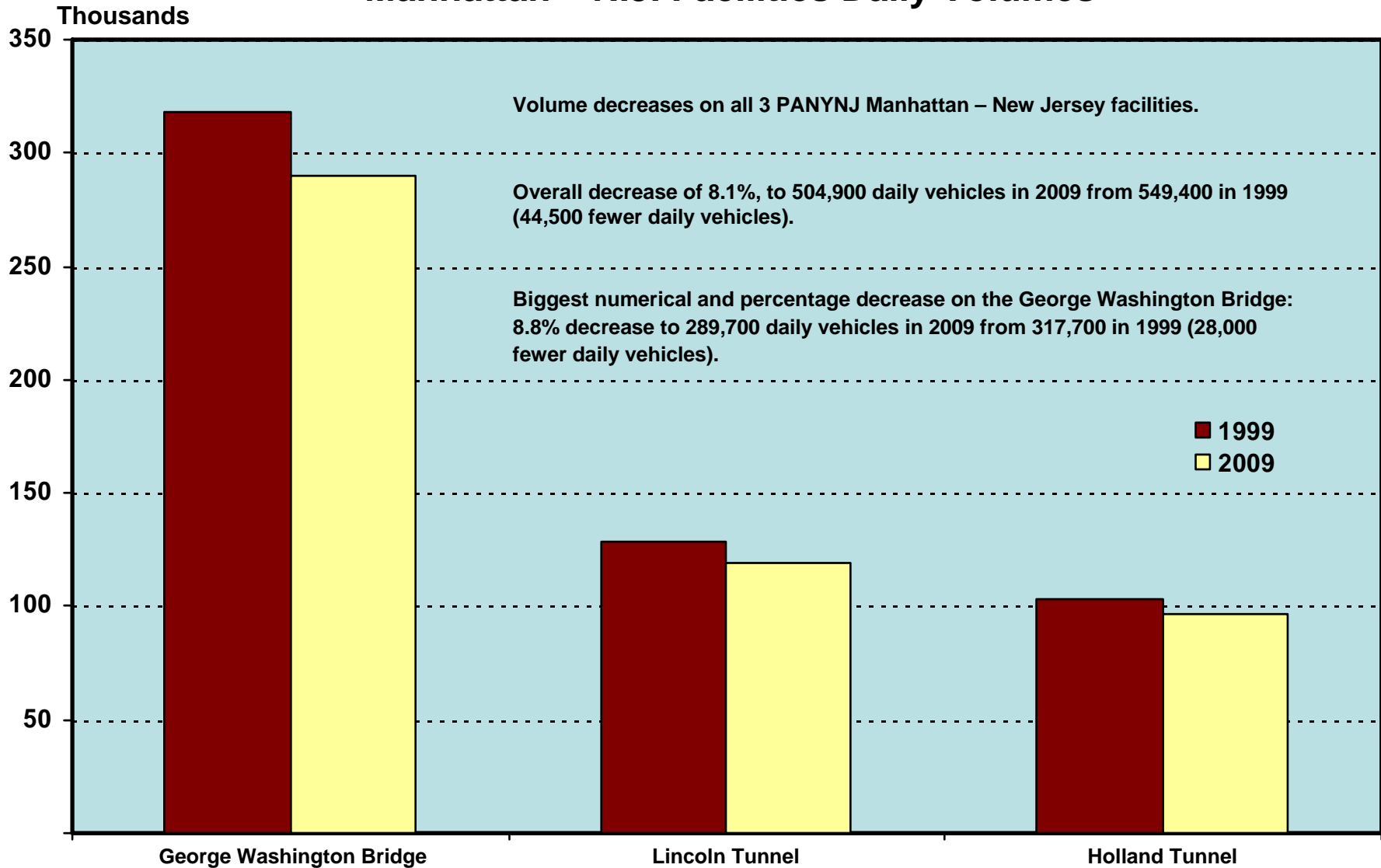
Metropolitan Transportation Authority Bridges & Tunnels (MTABT) Outer Borough Bridges Daily Volumes



10-Year Volume Changes ~ 1999 – 2009

Port Authority of New York & New Jersey (PANYNJ)

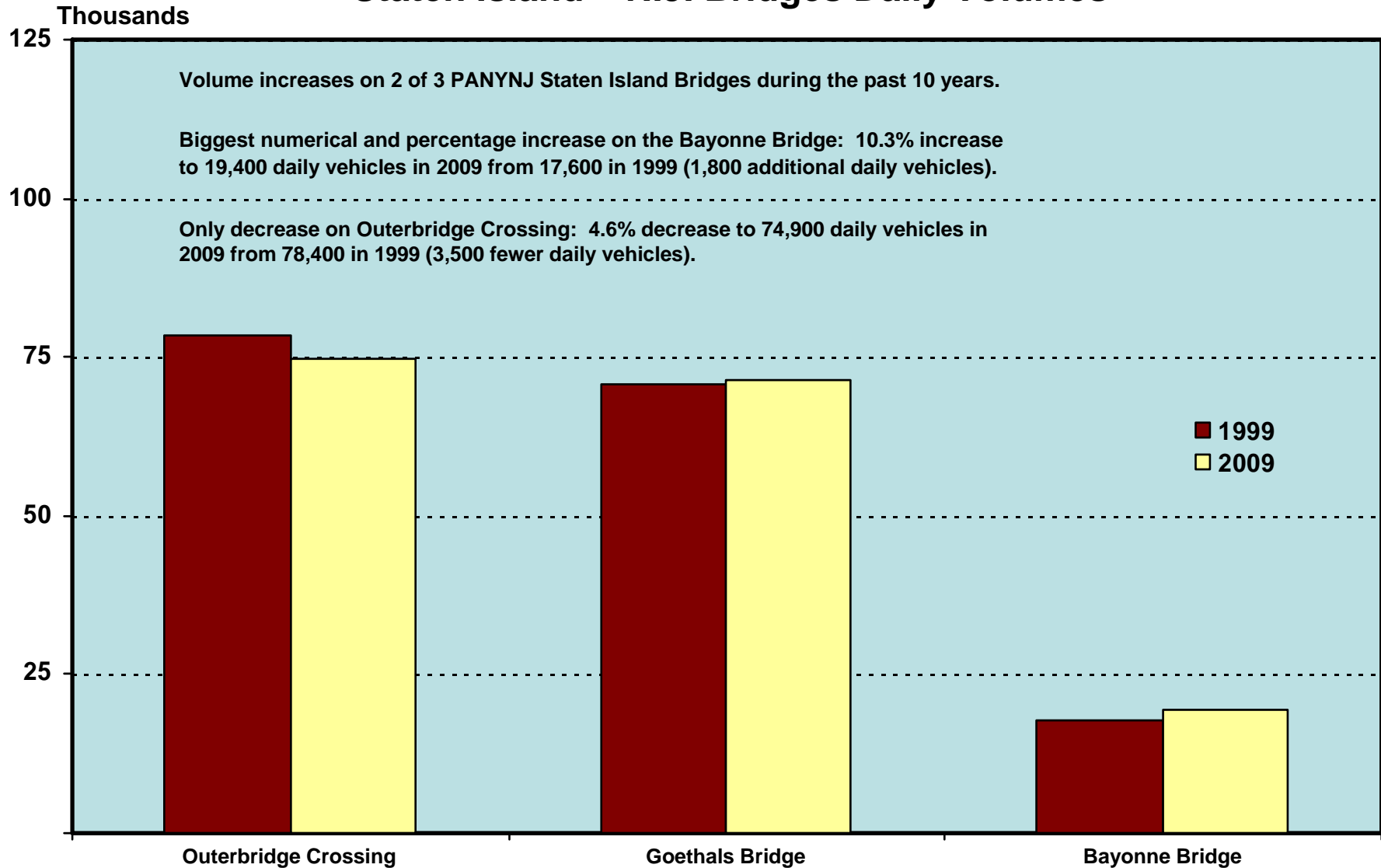
Manhattan – N.J. Facilities Daily Volumes



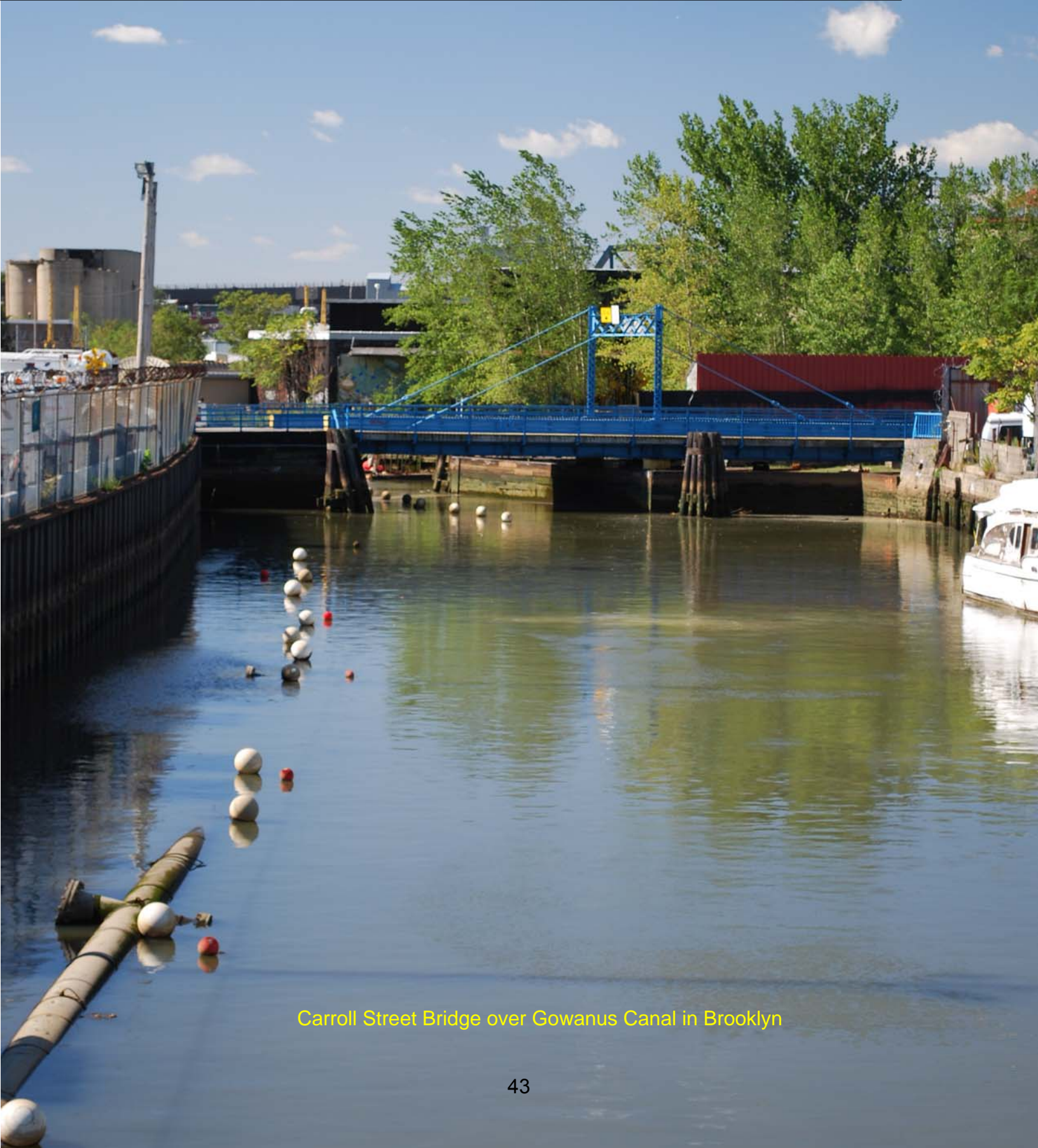
10-Year Volume Changes ~ 1999 – 2009

Port Authority of New York & New Jersey (PANYNJ)

Staten Island – N.J. Bridges Daily Volumes



Historic Trends



Carroll Street Bridge over Gowanus Canal in Brooklyn

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 2009, it stood at 2,680,000 daily trips, nearly three times the 1948 volume.
- Between 1949 and 1959, bridge traffic grew 4.0% per year on the 44 City bridges open during that time. The highest annual growth rates were on the Brooklyn Bridge over the East River (+10.5%), Mill Basin Bridge along the Belt Parkway in Brooklyn (+8.9%), Unionport Bridge in the Bronx (+8.6%), Kosciuszko Bridge over Newtown Creek (+7.7%), and Macombs Dam Bridge over the Harlem River (+7.3%). In addition, annual growth exceeded 6.0% on the Third Avenue Bridge over the Harlem River (+6.9%), Grand Street Bridge over Newtown Creek (+6.8%), the Midtown Highway, Hook Creek, and Whitestone Expressway Bridges in Queens (+6.8%, +6.4%, and +6.2%, respectively), and University Heights Bridge over the Harlem River (+6.1%).
- Between 1959 and 1969, bridge traffic increased 3.7% per year on the 45 City bridges open during that time. The Whitestone Expressway Bridge in Queens had the highest annual growth rate (+13.0%), followed by the Fresh Kills Bridge in Staten Island (+11.5%). Rapid annual growth rates also occurred on the Unionport, Westchester Avenue, and Pelham Bridges in the Bronx (+10.3%, +9.2%, and +7.7%, respectively), and Roosevelt Island Bridge in Queens (+7.4%).
- Between 1969 and 1979, total traffic on the 47 City bridges showed an average annual decline of 0.3% per year. The highest annual growth rates were on the Borden Avenue and Rikers Island Bridges in Queens (+6.0% and +4.8%, respectively), and Fresh Kills Bridge in Staten Island (+4.4%).
- Between 1979 and 1989, bridge traffic grew 2.2% per year on the 47 City bridges. The highest growth rates were on the Rikers Island Bridge in Queens (+8.8% annually) and the East 174th Street Bridge in the Bronx (+6.9% annually).
- Between 1989 and 1999, bridge traffic grew 1.2% per year on the 47 City bridges. The highest annual growth rates were on the Third Street Bridge over Gowanus Canal in Brooklyn (+5.8% per year), the Little Neck Bridge over Alley Creek in Queens (+4.3% per year), the Queensboro Bridge over the East River between Manhattan and Queens (+3.6% per year), the University Heights Bridge over the Harlem River between Manhattan and The Bronx (+3.4% per year), and the Hamilton Avenue Bridge over Gowanus Canal in Brooklyn (+3.4% per year).
- 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 713,300 more daily vehicles crossing the bridges in 2009 than in 1979.

**Total NYC Toll Free Bridges
Average Daily Traffic Volumes
1948 - 2009**

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

Total NYC Toll Free Bridges (continued)
Average Daily Traffic Volumes
1948 - 2009

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

NYC Tolloed Facilities
Average Daily Traffic Volumes
1948 - 2009

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

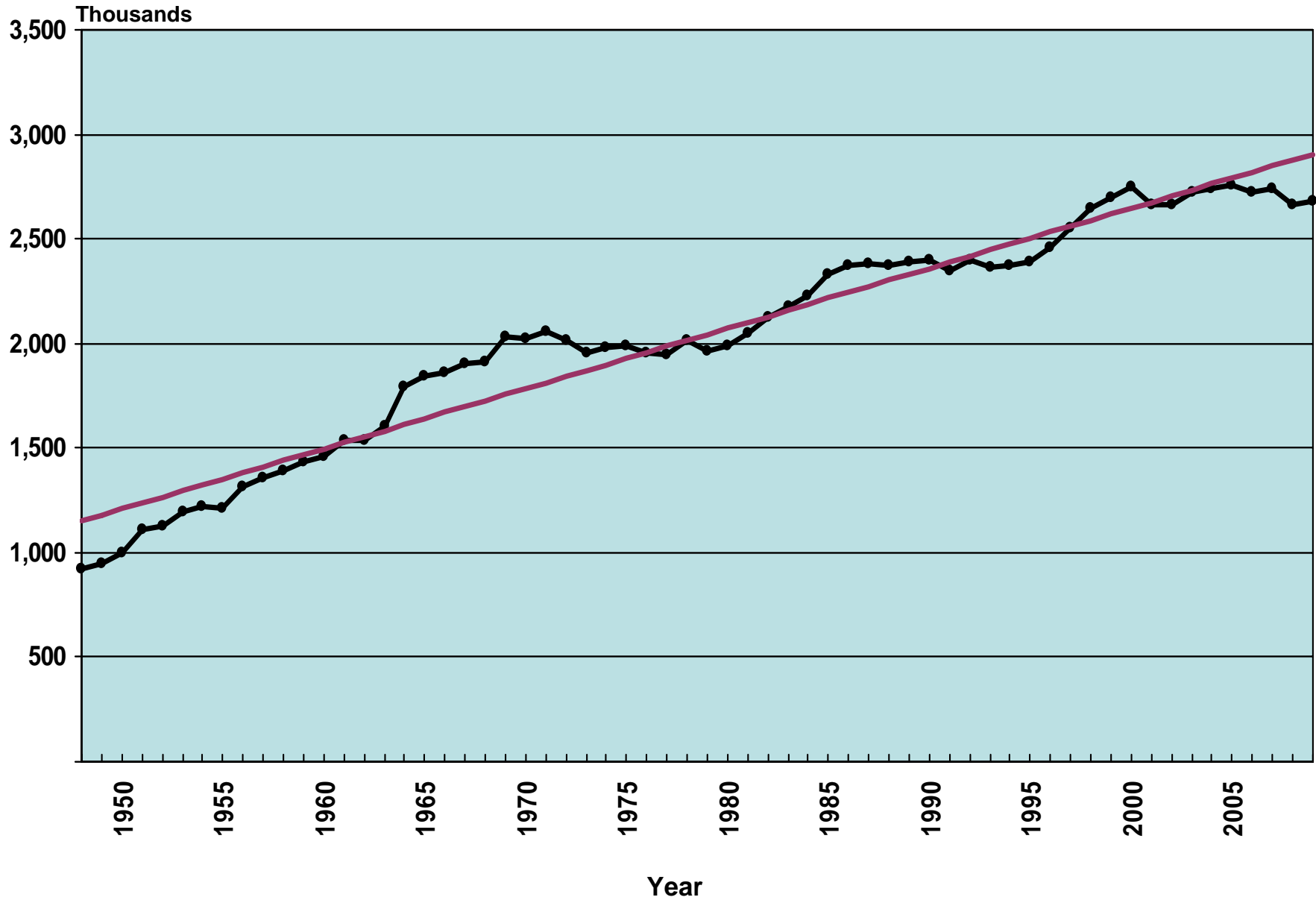
PANYNJ one-way tolls initiated 8/12/1970.

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, & 7/09.

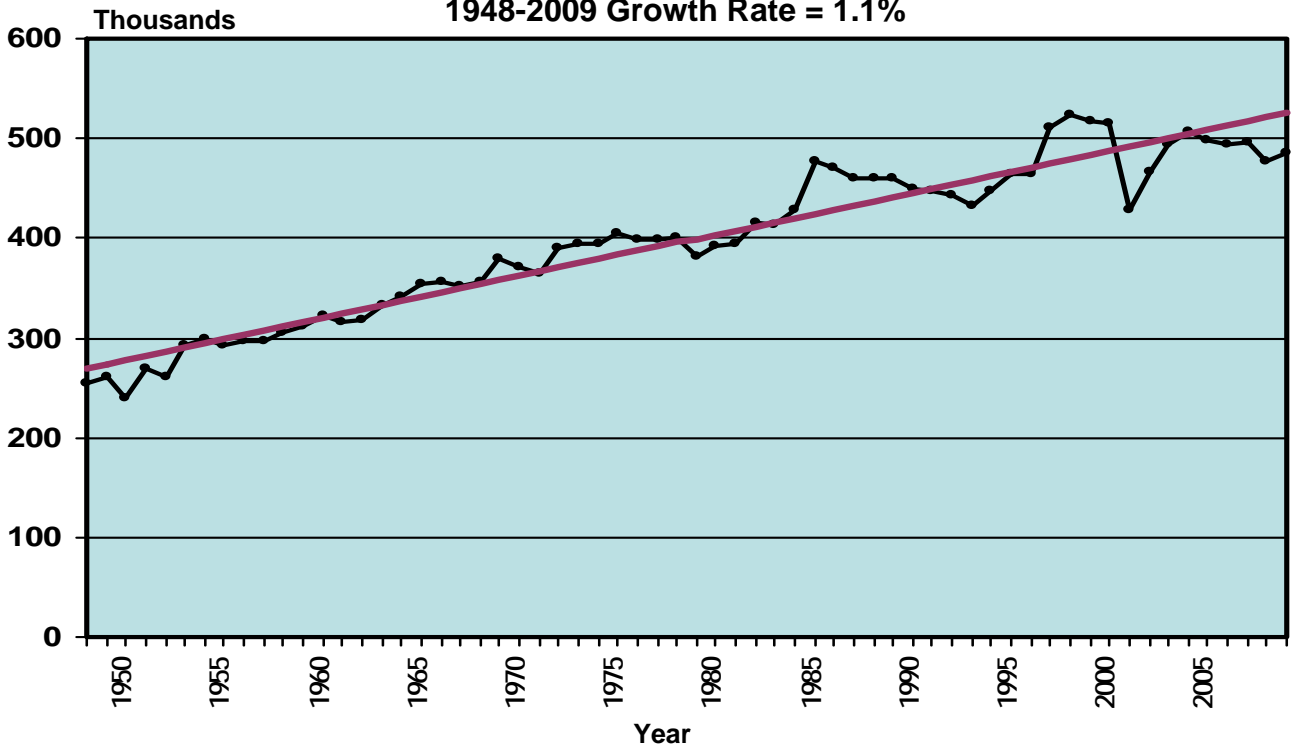
Average Daily Traffic Volumes Total of 47 NYC Toll-Free Bridges

1948-2009 Growth Rate = 1.5%



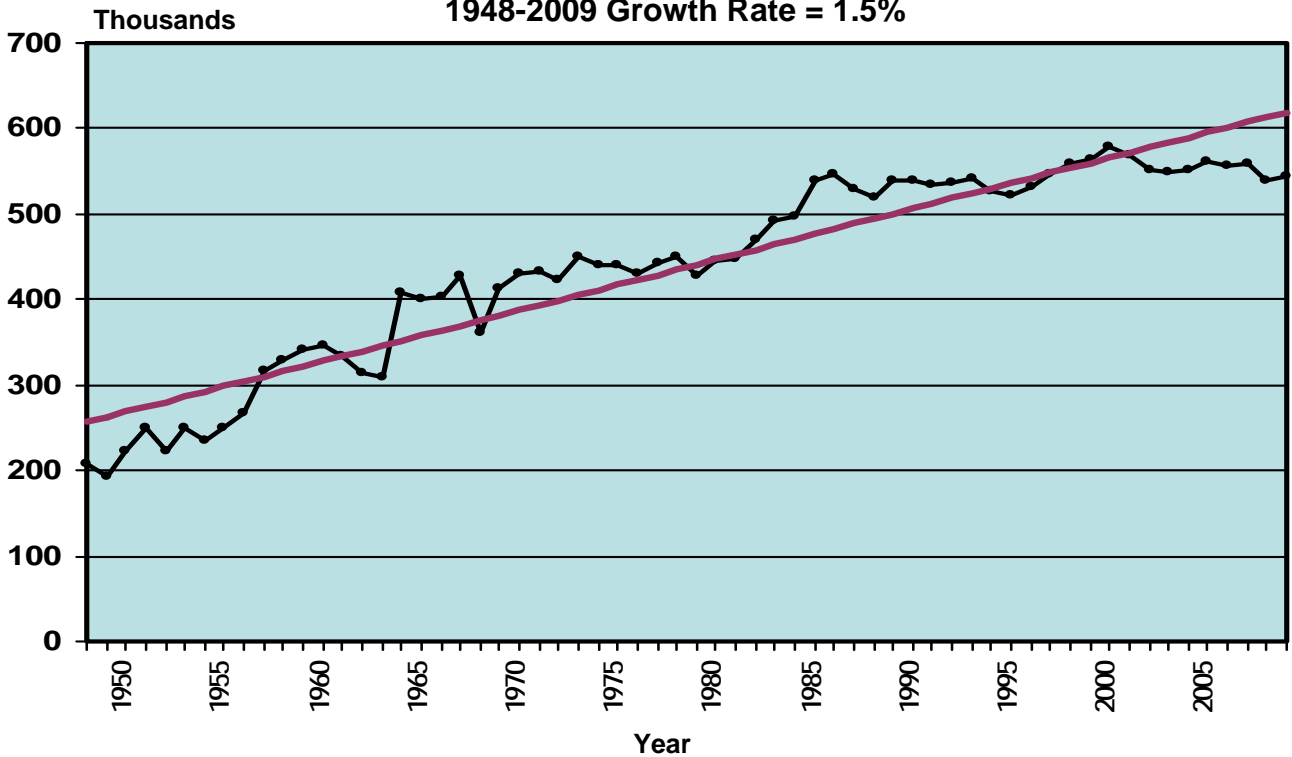
Average Daily Traffic Volumes Total of 4 East River Bridges

1948-2009 Growth Rate = 1.1%



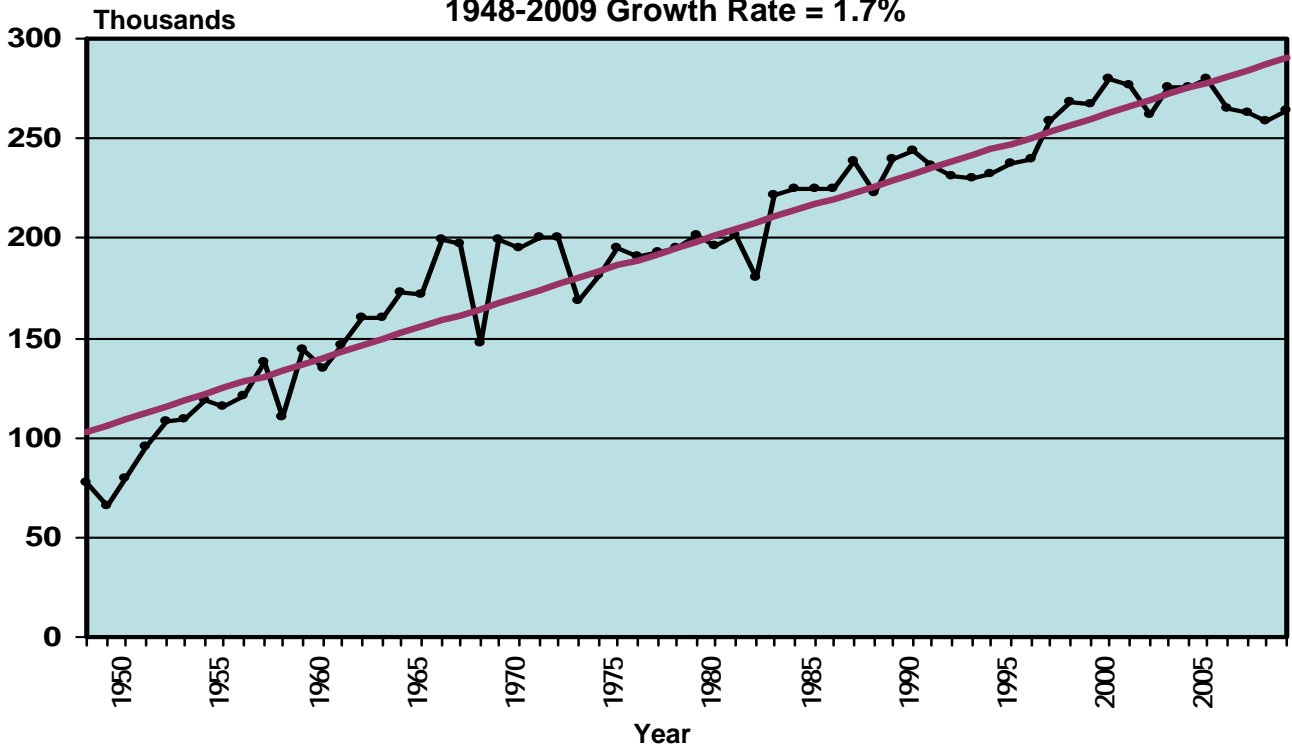
Average Daily Traffic Volumes Total of 9 Harlem River Bridges

1948-2009 Growth Rate = 1.5%



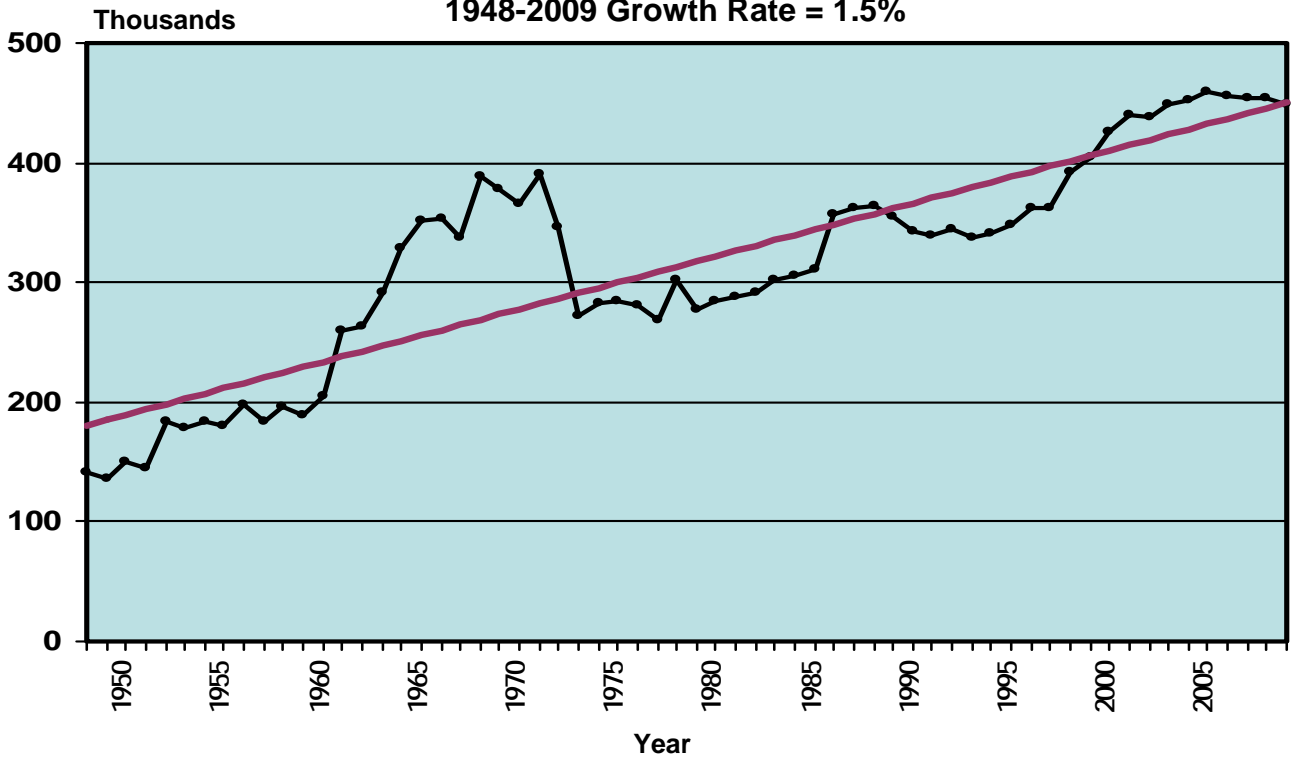
Average Daily Traffic Volumes Total of 4 Brooklyn-Queens Bridges

1948-2009 Growth Rate = 1.7%



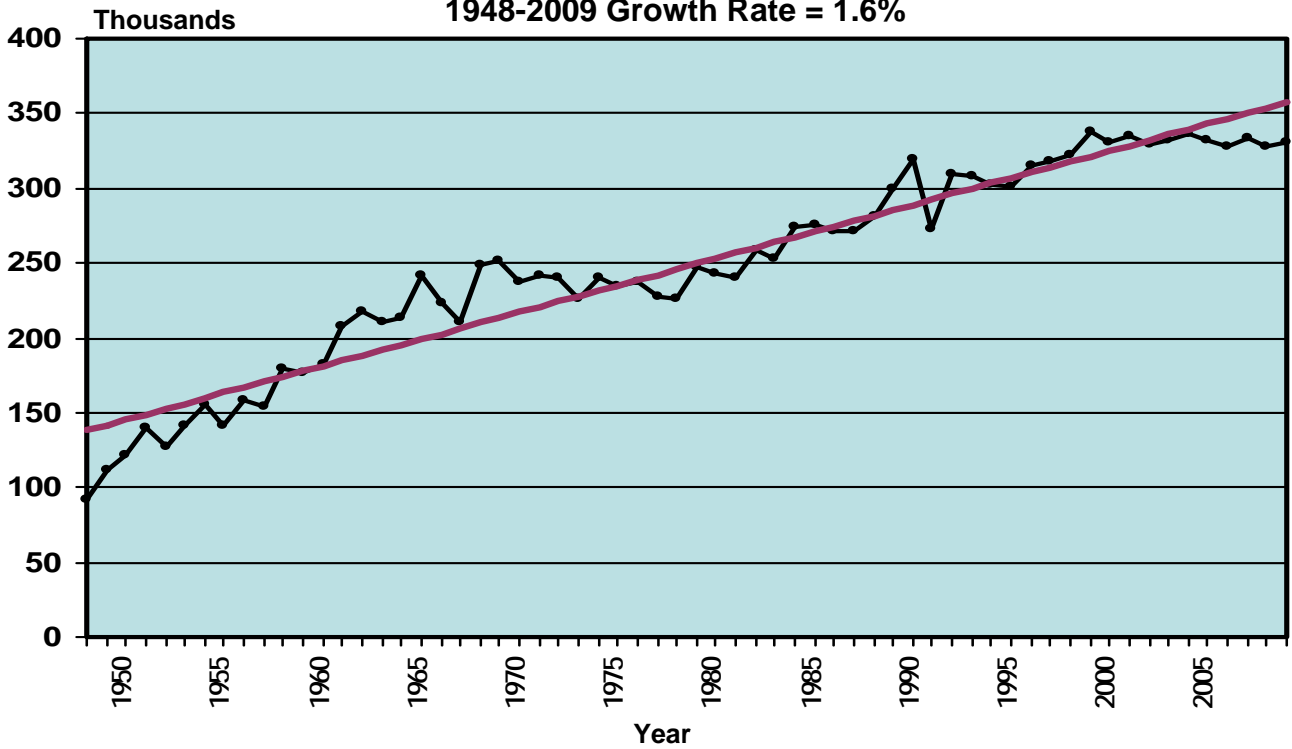
Average Daily Traffic Volumes Total of 8 Bronx Bridges

1948-2009 Growth Rate = 1.5%



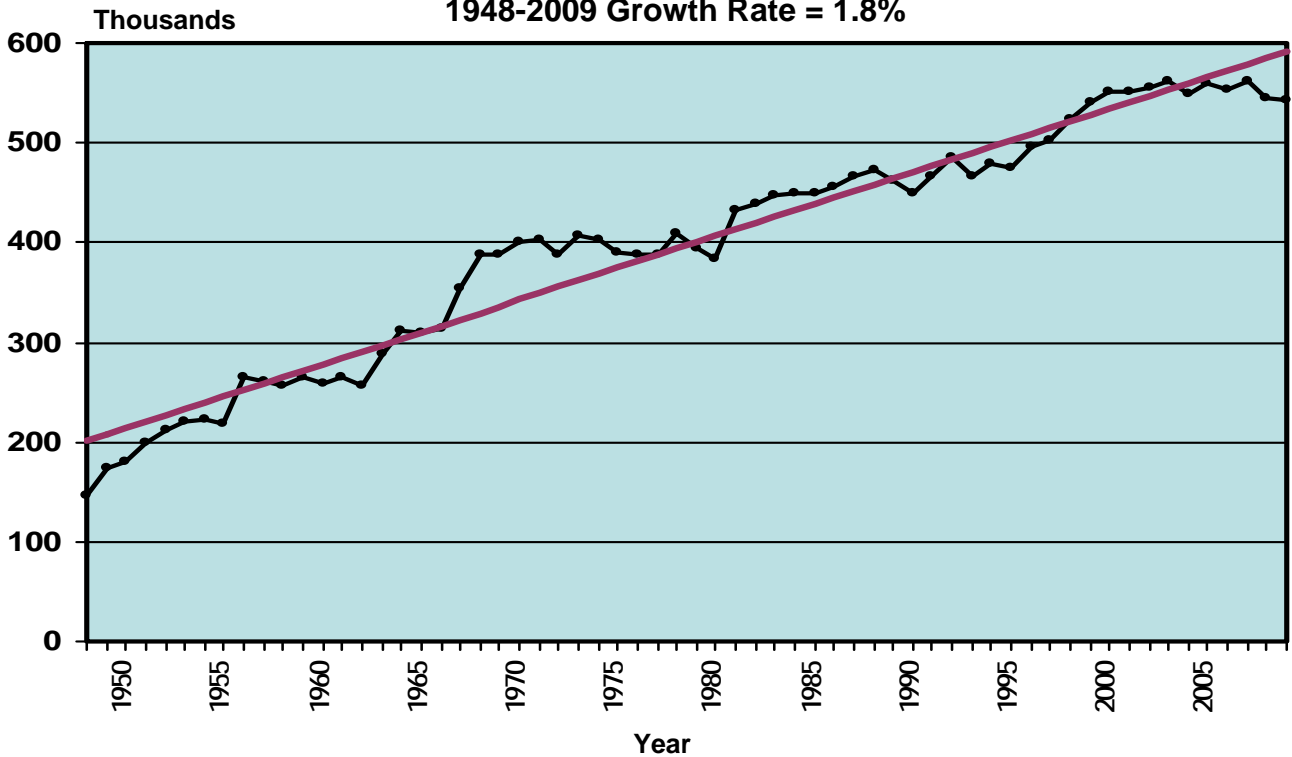
Average Daily Traffic Volumes Total of 10 Brooklyn Bridges

1948-2009 Growth Rate = 1.6%



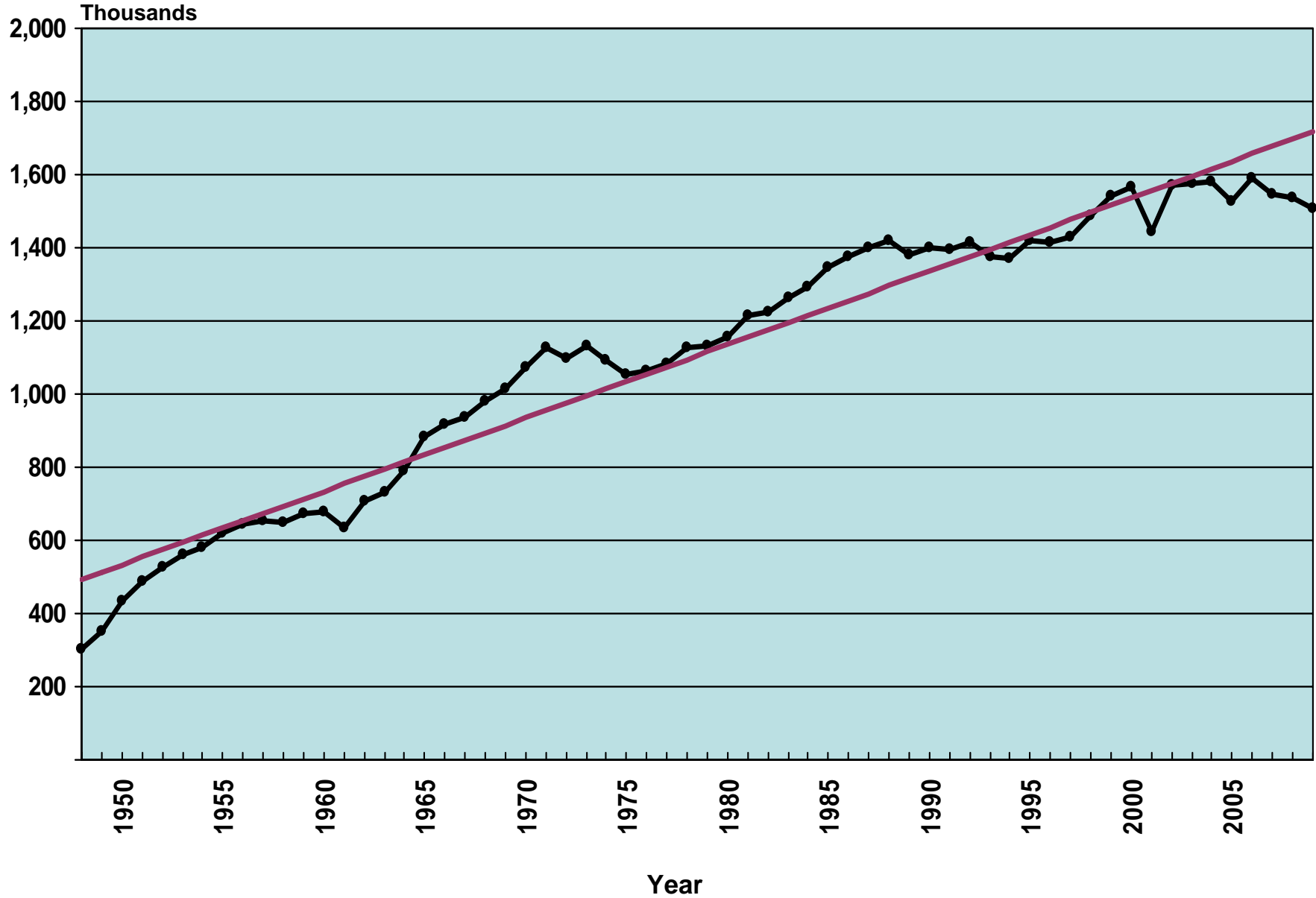
Average Daily Traffic Volumes Total of 11 Queens Bridges

1948-2009 Growth Rate = 1.8%



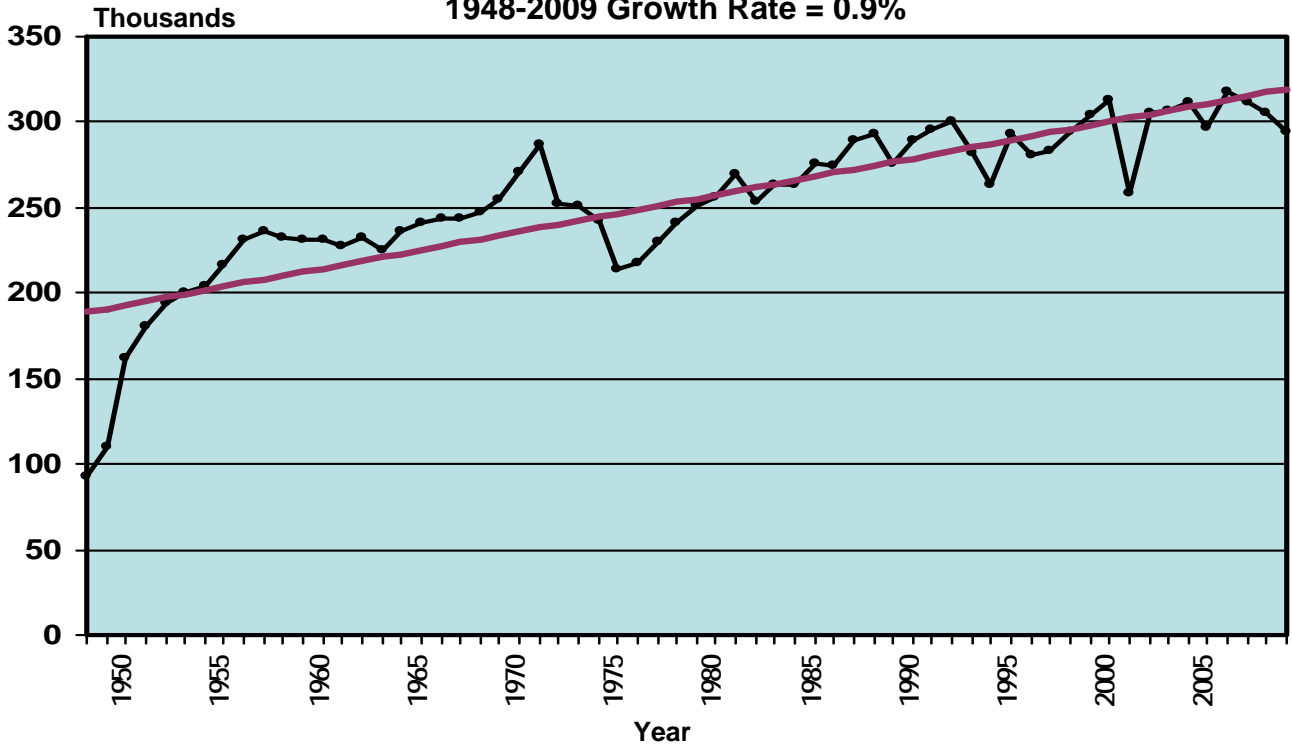
Average Daily Traffic Volumes Total of 16 NYC Tolled Facilities

1948-2009 Growth Rate = 2.1%



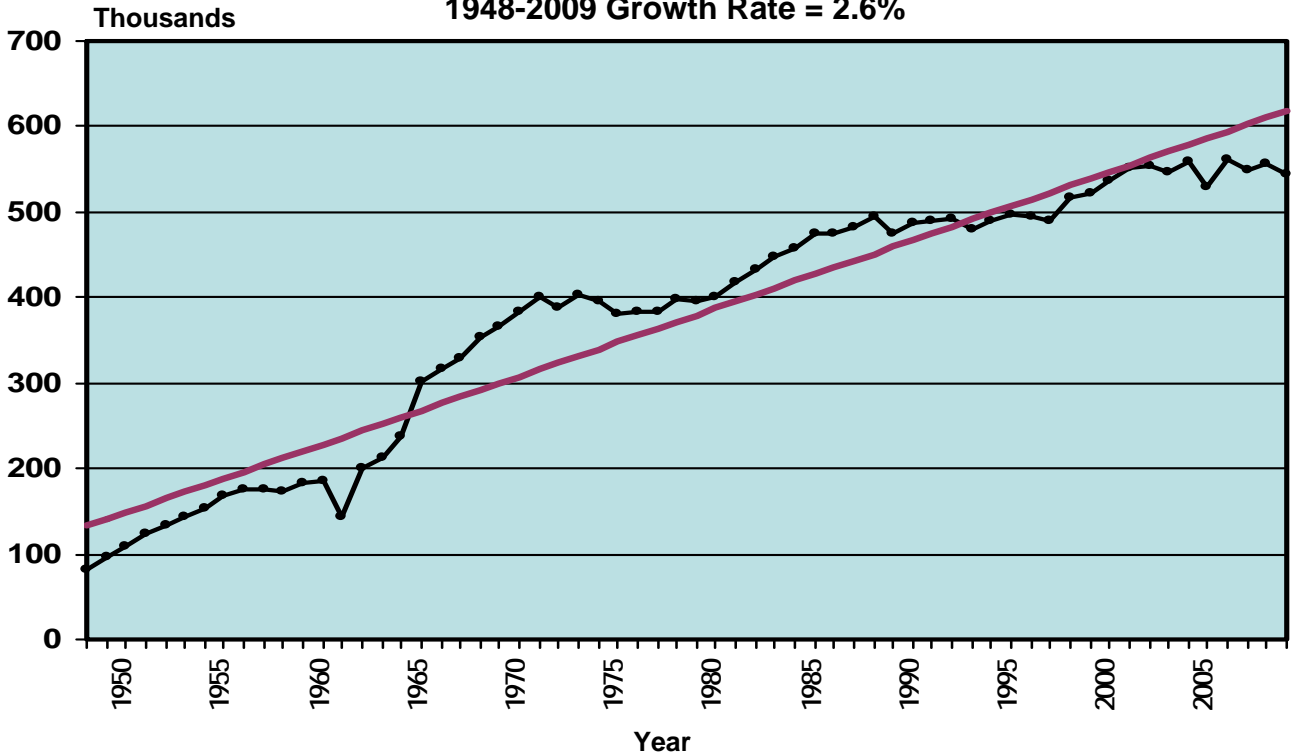
Average Daily Traffic Volumes Total of 4 Manhattan M.T.A.B.T. Facilities

1948-2009 Growth Rate = 0.9%



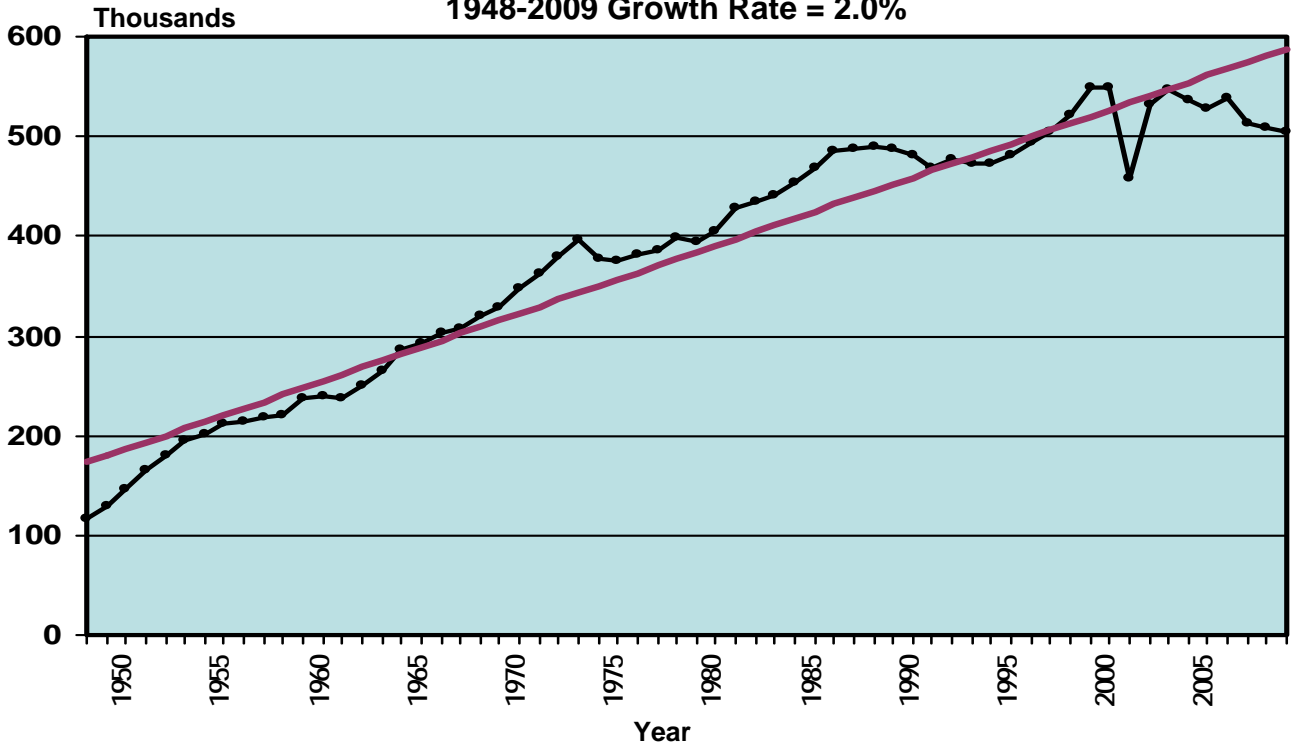
Average Daily Traffic Volumes Total of 6 Outer Borough M.T.A.B.T. Bridges

1948-2009 Growth Rate = 2.6%



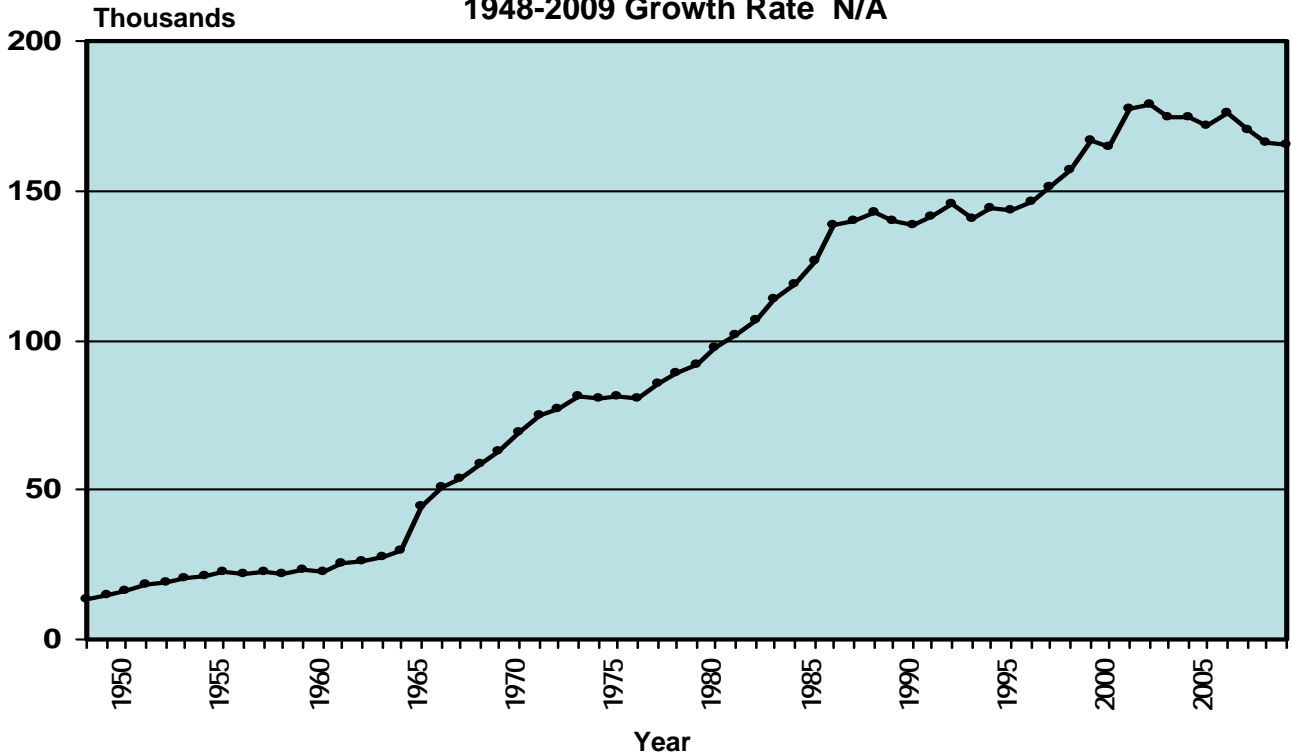
Average Daily Traffic Volumes Total of 3 Manhattan P.A.N.Y.N.J. Facilities

1948-2009 Growth Rate = 2.0%



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

1948-2009 Growth Rate N/A



10-Year Traffic Growth Rate Trends

N.Y.C. Bridges

1949-2009

Page 1 of 3

East River Bridges	1949-1959	1959-1969	1969-1979	1979-1989	1989-1999	1999-2009
Brooklyn Bridge	10.5%	3.6%	- 0.1%	3.2%	0.7%	0.1%
Manhattan Bridge	- 1.6%	2.2%	- 0.2%	- 0.6%	2.3%	- 1.2%
Queensboro Bridge	1.4%	2.6%	1.0%	2.2%	3.6%	- 0.2%
Williamsburg Bridge	4.4%	- 1.3%	1.4%	3.5%	- 0.6%	0.8%
Total	2.2%	1.8%	0.6%	2.2%	1.6%	- 0.1%

Harlem River Bridges						
Alexander Hamilton Bridge	<i>Opened Jan. 1963</i>		0.9%	2.4%	- 0.6%	1.1%
Broadway Bridge	4.1%	- 0.3%	1.4%	1.8%	- 0.5%	- 1.1%
Macombs Dam Bridge	7.3%	- 2.6%	- 1.8%	1.9%	- 0.0%	2.6%
Madison Avenue Bridge	4.5%	0.9%	1.4%	1.7%	- 0.7%	0.1%
Third Avenue Bridge	6.9%	- 1.6%	0.5%	1.8%	0.9%	- 1.8%
University Heights Bridge	6.1%	- 3.9%	1.4%	3.0%	3.4%	- 1.4%
Washington Bridge	5.6%	- 8.3%	2.6%	3.2%	0.6%	- 1.7%
Willis Avenue Bridge	4.2%	0.7%	- 1.7%	3.6%	1.8%	- 1.9%
145th Street Bridge	3.4%	- 4.7%	- 1.7%	1.9%	0.5%	- 3.3%
Total	5.3%	2.4%	0.4%	2.4%	0.4%	- 0.4%

Brooklyn-Queens Bridges						
Grand Street Bridge	6.8%	4.6%	- 7.3%	4.3%	0.5%	- 1.6%
J.J. Byrne Memorial Bridge *	3.6%	3.1%	- 3.7%	- 0.8%	2.8%	0.4%
Kosciuszko Bridge	7.7%	2.6%	1.3%	2.3%	1.3%	- 0.6%
Pulaski Bridge	4.0%	4.6%	- 0.9%	2.5%	- 0.0%	0.5%
Total	5.9%	3.2%	- 0.0%	2.2%	1.2%	- 0.4%

Bronx Bridges						
City Island Bridge	2.3%	5.4%	1.5%	3.6%	0.5%	- 2.3%
East 174th Street Bridge	- 2.4%	1.8%	- 4.7%	6.9%	<i>n/a</i>	<i>n/a</i>
Eastchester Bridge	- 1.1%	4.1%	- 0.4%	2.6%	0.6%	- 0.9%
Eastern Blvd Bridge	1.7%	3.4%	1.4%	2.0%	2.1%	1.0%
Hutchinson River Pkwy Bridge	5.6%	6.0%	2.0%	5.1%	1.3%	1.7%
Pelham Bridge	2.3%	7.7%	1.0%	1.2%	2.5%	- 2.1%
Unionport Bridge	8.6%	10.3%	-41.1%	3.5%	2.6%	2.4%
Westchester Avenue Bridge	- 2.0%	9.2%	- 0.9%	2.6%	- 0.7%	- 2.4%
Total	3.2%	6.9%	- 3.6%	3.1%	1.4%	0.9%

* Also known as Greenpoint Avenue Bridge.

10-Year Traffic Growth Rate Trends

N.Y.C. Bridges

1949-2009

Page 2 of 3

Brooklyn Bridges	1949-1959	1959-1969	1969-1979	1979-1989	1989-1999	1999-2009
Carroll Street Bridge	- 3.7%	- 3.3%	- 5.9%	- 4.7%	2.9%	- 2.4%
Cropsey Avenue Bridge	2.5%	3.1%	- 0.3%	4.9%	0.2%	1.6%
Hamilton Avenue Bridge	4.8%	0.7%	- 0.5%	3.9%	3.4%	- 1.7%
Metropolitan Avenue Bridge	2.8%	5.4%	- 2.7%	3.2%	0.5%	- 0.8%
Mill Basin Bridge	8.9%	6.4%	0.2%	1.1%	0.6%	- 0.0%
Ninth Street Bridge	2.6%	0.3%	0.7%	- 0.6%	- 6.5%	8.2%
Stillwell Avenue Bridge	- 0.4%	2.8%	2.1%	Closed 1983-1989		1.3%
Third Avenue Bridge	- 1.1%	- 1.6%	0.7%	3.7%	- 1.2%	- 2.2%
Third Street Bridge	2.4%	- 4.9%	- 1.2%	- 0.1%	5.8%	- 0.7%
Union Street Bridge	2.9%	- 1.3%	- 5.7%	2.9%	- 2.5%	- 1.2%
Total	4.2%	3.0%	- 0.4%	2.0%	1.0%	- 0.2%

Queens Bridges	1949-1959	1959-1969	1969-1979	1979-1989	1989-1999	1999-2009
Borden Avenue Bridge	1.1%	0.2%	6.0%	- 1.9%	- 0.9%	Closed 2009
Flushing Bridge	1.2%	2.3%	- 1.1%	4.9%	0.3%	- 1.5%
Hook Creek Bridge	6.4%	3.9%	0.7%	2.5%	1.4%	0.7%
Hunters Point Bridge	- 1.8%	- 1.5%	Closed 1975-1983		- 2.4%	3.5%
Joseph P. Addabbo Bridge *	3.4%	3.3%	- 1.8%	- 0.2%	0.5%	1.8%
Little Neck Bridge	3.6%	5.0%	0.6%	- 0.3%	4.3%	- 1.5%
Midtown Highway Bridge	6.8%	1.8%	- 0.1%	- 2.3%	0.5%	1.1%
Rikers Island Bridge	Opened 11/22/1966		4.8%	8.8%	1.6%	0.6%
Roosevelt Avenue Bridge	3.5%	- 2.4%	- 1.2%	2.9%	- 0.3%	- 2.9%
Roosevelt Island Bridge	Opened 5/18/1955		2.3%	2.9%	- 0.1%	0.5%
Whitestone Expwy Bridge	6.2%	13.0%	0.5%	2.8%	2.8%	0.4%
Total	4.4%	4.7%	0.0%	1.7%	1.6%	0.0%

Staten Island Bridges	1949-1959	1959-1969	1969-1979	1979-1989	1989-1999	1999-2009
Fresh Kills Bridge	4.5%	11.5%	4.4%	0.1%	2.8%	- 0.1%
TOLL FREE GRAND TOTAL	4.0%	3.7%	- 0.3%	2.2%	1.2%	0.0%

* Also known as North Channel Bridge.

10-Year Traffic Growth Rate Trends

N.Y.C. Tolted Facilities

1949-2009

Page 3 of 3

Manhattan MTABT Facilities	1949-1959	1959-1969	1969-1979	1979-1989	1989-1999	1999-2009
Brooklyn-Battery Tunnel	<i>Opened 5/25/1950</i>	2.9%	- 1.0%	0.3%	- 0.2%	0.5%
Henry Hudson Bridge	1.5%	- 3.3%	- 4.9%	6.5%	1.2%	0.5%
Queens-Midtown Tunnel	7.4%	1.3%	- 0.9%	0.0%	0.5%	1.2%
R. F. K. Memorial Bridge Manhattan Plaza *	6.8%	2.7%	- 0.8%	0.9%	- 0.1%	- 0.7%
Total	5.5%	1.0%	- 1.5%	1.3%	0.3%	0.3%

Manhattan PANYNJ Facilities	1949-1959	1959-1969	1969-1979	1979-1989	1989-1999	1999-2009
George Washington Bridge	7.1%	7.4%	1.5%	2.3%	1.2%	- 0.9%
Holland Tunnel	1.9%	- 0.8%	1.3%	2.7%	2.0%	1.3%
Lincoln Tunnel	6.1%	1.2%	1.3%	2.0%	0.5%	- 0.4%
Total	5.3%	3.8%	1.4%	2.3%	1.2%	- 0.4%

Outer Borough MTABT Bridges	1949-1959	1959-1969	1969-1979	1979-1989	1989-1999	1999-2009
Bronx-Whitestone	7.4%	0.4%	0.7%	1.5%	1.1%	- 0.6%
Cross Bay	2.1%	1.8%	- 3.0%	1.5%	1.1%	2.3%
Marine Parkway Gil Hodges Memorial Bridge	3.1%	2.8%	- 2.9%	2.5%	- 0.4%	0.6%
R. F. K. Memorial Bridge Bronx Plaza *	6.8%	2.7%	- 2.5%	2.3%	- 0.1%	0.1%
Throgs Neck	<i>Opened 1/11/1961</i>		0.4%	0.9%	0.3%	1.7%
Verrazano-Narrows	<i>Opened 11/21/1964</i>		2.9%	3.5%	1.0%	- 0.2%
Total	6.2%	9.8%	0.3%	2.2%	0.7%	0.3%

Staten Island PANYNJ Bridges	1949-1959	1959-1969	1969-1979	1979-1989	1989-1999	1999-2009
Bayonne	1.2%	5.5%	0.6%	1.8%	3.2%	0.7%
Goethals	8.0%	24.5%	- 0.5%	4.5%	0.8%	- 0.7%
Outerbridge Crossing	2.1%	6.6%	20.2%	6.1%	1.8%	0.0%
Total	3.9%	14.2%	3.1%	4.8%	1.5%	- 0.2%

* Formerly Triborough Bridge.

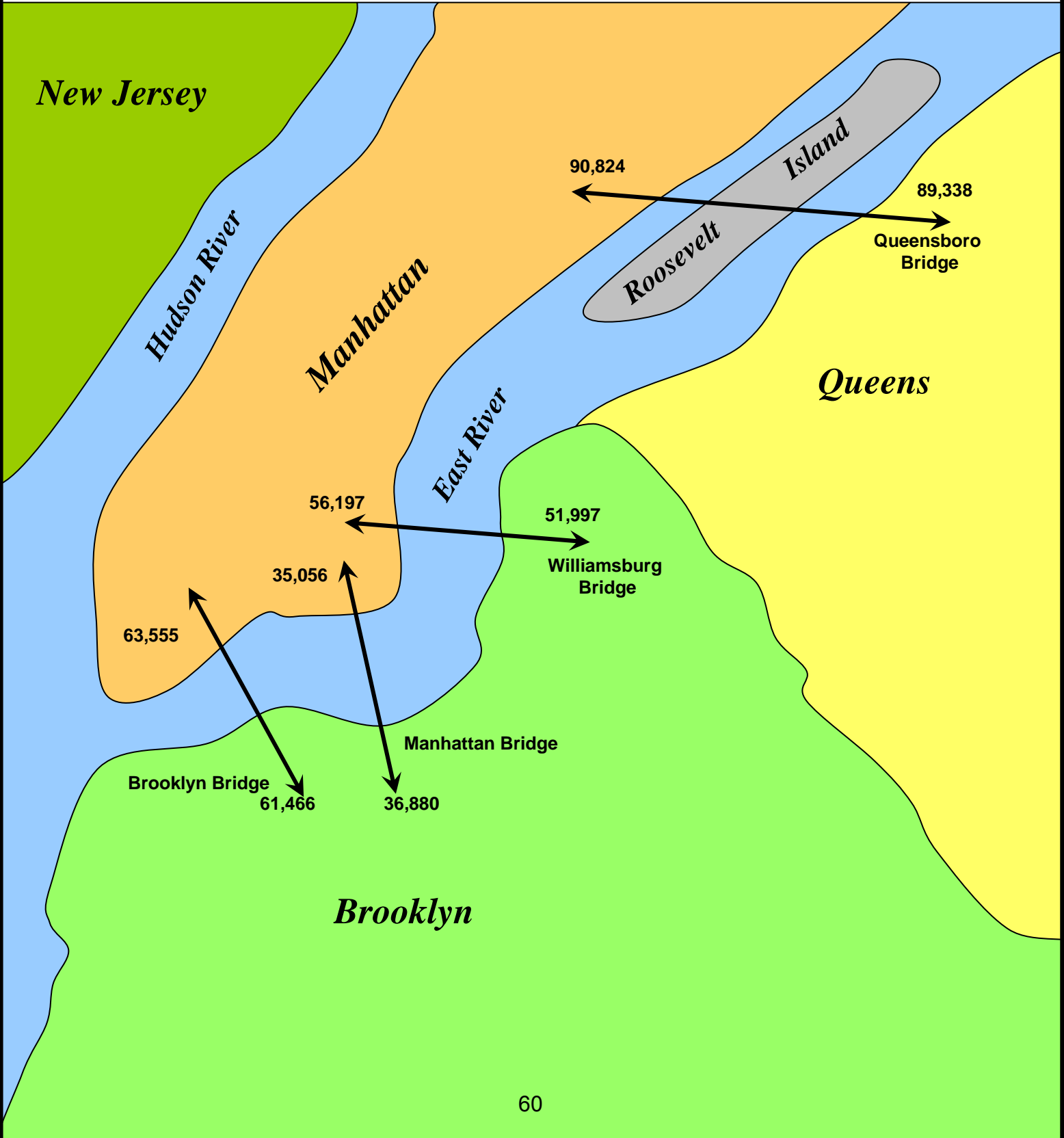
East River Bridges



Williamsburg Bridge

East River Bridges

2009 Daily Volumes



East River Bridges
Average Daily Traffic Volumes
1948 - 2009

<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
2009	125,021	71,936	180,162	108,194	485,313

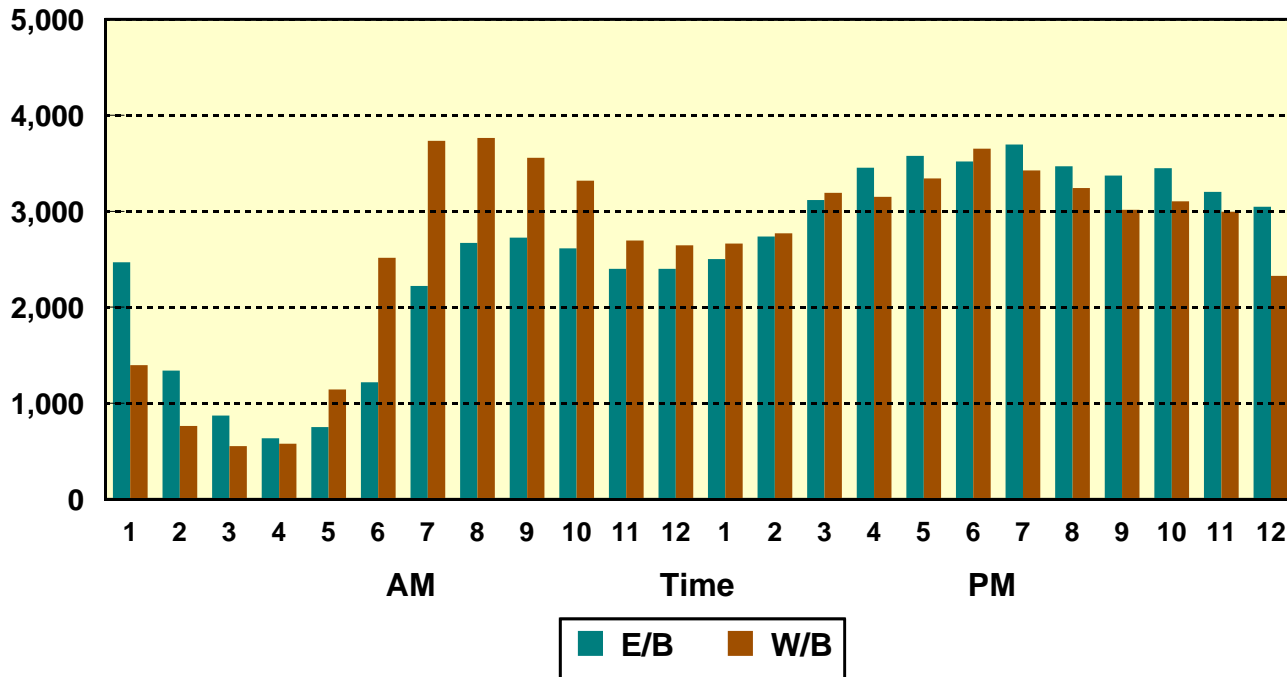
Hourly Vehicular Volumes Brooklyn Bridge - 2009

FHWA Classes ▶	<i>Eastbound to Brooklyn</i>						<i>Westbound to Manhattan</i>						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	Pickups Large SUVs					Buses	Autos & Motorcycles					
	1 & 2	3	4	5 - 7	8 - 13		1 & 2	3	4	5 - 7	8 - 13		
12-1am	2,467	1	1	0	0	2,469	1,379	13	0	4	0	1,396	3,865
1-2am	1,333	5	1	0	0	1,339	759	4	0	0	0	763	2,102
2-3am	868	4	0	0	0	872	546	6	0	2	0	554	1,426
3-4am	630	5	1	0	0	636	569	8	0	2	0	579	1,215
4-5am	741	9	2	0	0	752	1,129	7	2	5	0	1,143	1,895
5-6am	1,201	15	1	0	0	1,217	2,434	43	32	7	0	2,516	3,733
6-7am	2,179	32	10	1	0	2,222	3,603	44	85	2	0	3,734	5,956
7-8am	2,617	34	20	1	0	2,672	3,699	24	39	2	0	3,764	6,436
8-9am	2,659	43	22	1	0	2,725	3,518	28	9	3	0	3,558	6,283
9-10am	2,539	46	28	1	0	2,614	3,275	27	11	7	0	3,320	5,934
10-11am	2,354	29	17	0	0	2,400	2,659	21	11	6	0	2,697	5,097
11-12am	2,331	45	23	0	0	2,399	2,593	34	13	7	0	2,647	5,046
12-1pm	2,435	44	23	0	0	2,502	2,618	22	23	2	0	2,665	5,167
1-2pm	2,667	40	30	1	0	2,738	2,679	35	49	9	0	2,772	5,510
2-3pm	3,029	41	45	2	0	3,117	3,127	32	31	3	0	3,193	6,310
3-4pm	3,380	36	39	0	0	3,455	3,078	35	36	1	0	3,150	6,605
4-5pm	3,514	37	25	1	0	3,577	3,287	35	18	2	0	3,342	6,919
5-6pm	3,461	38	21	0	0	3,520	3,609	24	17	2	0	3,652	7,172
6-7pm	3,623	56	17	1	0	3,697	3,385	26	13	2	0	3,426	7,123
7-8pm	3,427	37	6	0	0	3,470	3,220	16	6	0	0	3,242	6,712
8-9pm	3,355	16	2	0	0	3,373	2,994	20	1	1	0	3,016	6,389
9-10pm	3,434	14	1	0	0	3,449	3,076	25	3	1	0	3,105	6,554
10-11pm	3,196	6	1	0	0	3,203	2,971	22	0	3	0	2,996	6,199
11-12pm	3,040	6	2	0	0	3,048	2,302	19	1	3	0	2,325	5,373
Totals	60,480	639	338	9	0	61,466	62,509	570	400	76	0	63,555	125,021
7-10am	7,815	123	70	3	0	8,011	10,492	79	59	12	0	10,642	18,653
10am-1pm	7,120	118	63	0	0	7,301	7,870	77	47	15	0	8,009	15,310
1-4pm	9,076	117	114	3	0	9,310	8,884	102	116	13	0	9,115	18,425
4-7pm	10,598	131	63	2	0	10,794	10,281	85	48	6	0	10,420	21,214
7am-7pm	34,609	489	310	8	0	35,416	37,527	343	270	46	0	38,186	73,602

Based on March 2006 Classification Survey Data

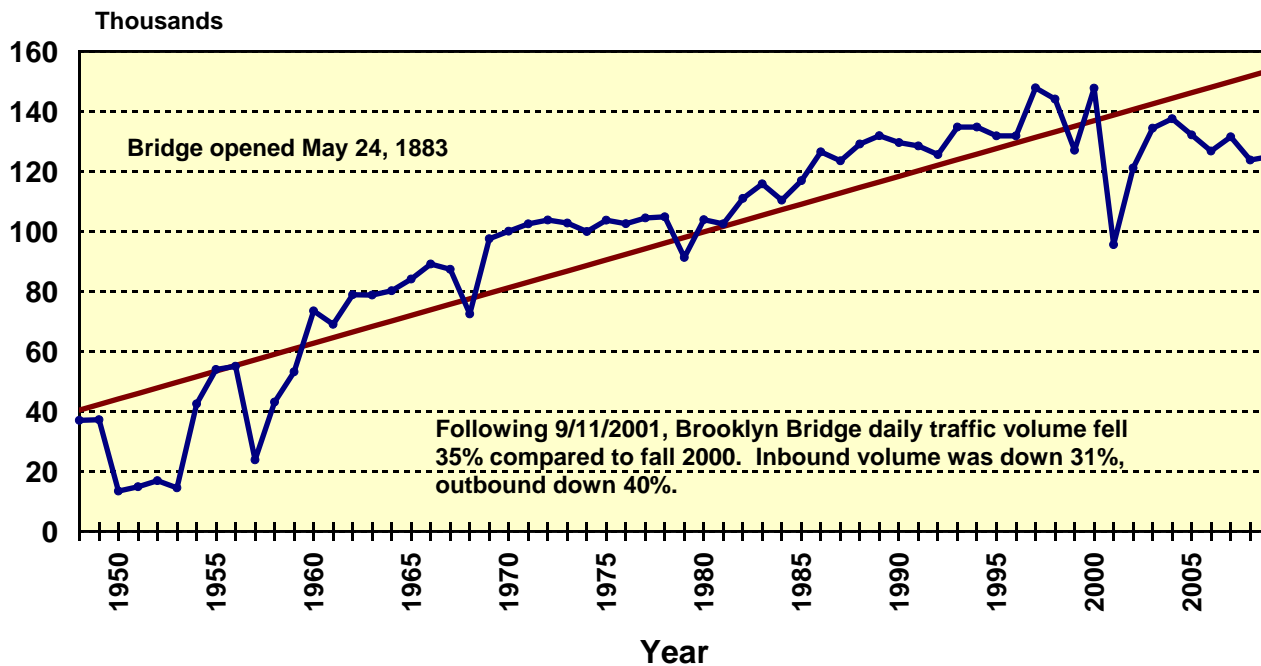
** Peak Volumes

Hourly Vehicular Volumes Brooklyn Bridge - 2009



Average Daily Traffic Volumes Brooklyn Bridge

1948-2009 Growth Rate = 2.2%



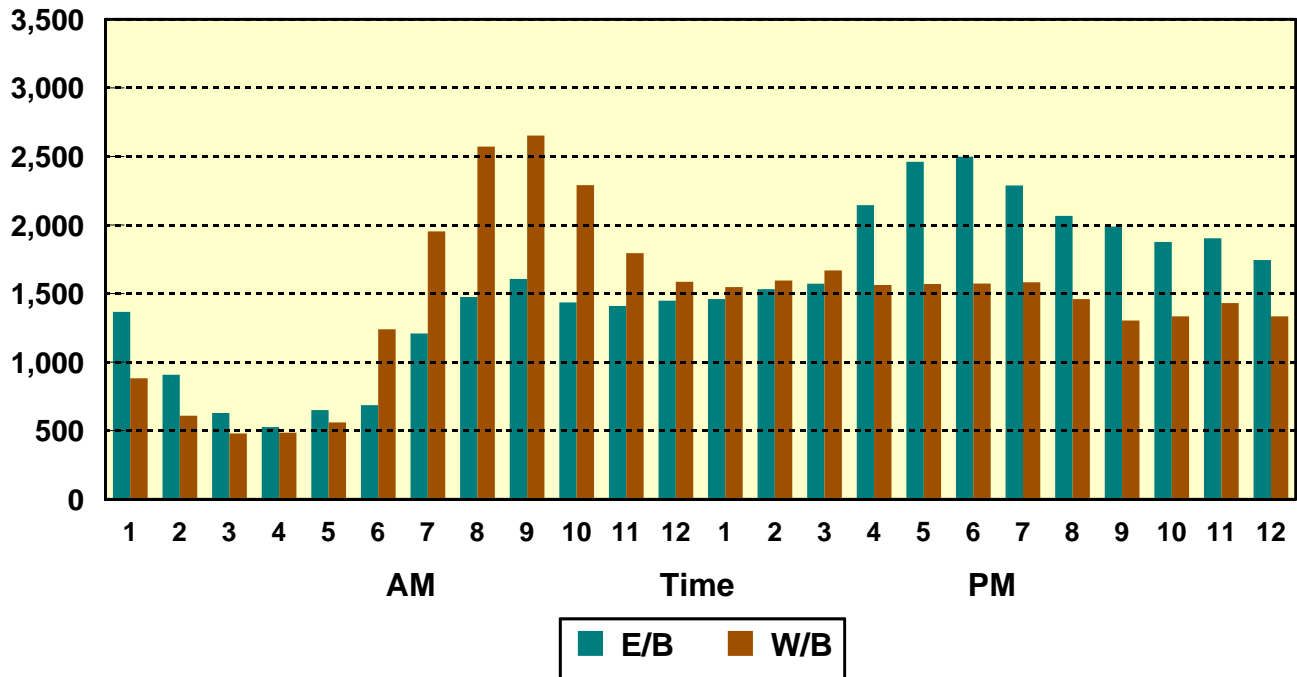
Hourly Vehicular Volumes Manhattan Bridge - 2009

FHWA Classes ▶	<i>Eastbound to Brooklyn</i>						<i>Westbound to Manhattan</i>						2-Way Grand Totals		
	Commuter Vans		Commercial Vans		Single	Tractor Trailers	Total Vehicles	Commuter Vans		Commercial Vans		Single		Tractor Trailers	Total Vehicles
	Autos & Motorcycles	Pickups Large SUVs	Buses	Unit Trucks	Autos & Motorcycles			Pickups Large SUVs	Buses	Unit Trucks					
	1 & 2	3	4	5 - 7	8 - 13		1 & 2	3	4	5 - 7	8 - 13				
12-1am	1,324	17	7	14	3	1,365	868	9	1	3	0	881	2,246		
1-2am	886	12	3	6	1	908	597	9	1	2	0	609	1,517		
2-3am	607	9	2	10	1	629	468	5	1	5	0	479	1,108		
3-4am	496	10	2	14	4	526	472	7	2	5	0	486	1,012		
4-5am	622	6	2	19	1	650	543	5	4	8	0	560	1,210		
5-6am	659	6	6	14	1	686	984	20	15	187	33	1,239	1,925		
6-7am	1,076	27	30	67	8	1,208	1,538	48	58	272	38	1,954	3,162		
7-8am	1,244	42	49	131	8	1,474	2,050	55	64	385	18	2,572	4,046		
8-9am	1,356	31	52	156	12	1,607	2,179	46	50	358	20	2,653	4,260		
9-10am	1,159	32	56	177	11	1,435	1,804	43	43	377	24	2,291	3,726		
10-11am	1,153	21	49	174	12	1,409	1,368	37	38	325	27	1,795	3,204		
11-12am	1,174	32	49	180	12	1,447	1,208	40	28	294	15	1,585	3,032		
12-1pm	1,137	38	49	223	12	1,459	1,131	42	36	322	15	1,546	3,005		
1-2pm	1,201	42	52	227	10	1,532	1,136	40	46	358	15	1,595	3,127		
2-3pm	1,301	29	46	183	13	1,572	1,382	34	39	204	9	1,668	3,240		
3-4pm	1,827	46	89	177	6	2,145	1,355	28	32	136	11	1,562	3,707		
4-5pm	2,229	54	63	108	7	2,461	1,341	29	35	157	7	1,569	4,030		
5-6pm	2,306	43	60	81	9	2,499	1,375	26	43	126	3	1,573	4,072		
6-7pm	2,138	31	53	60	6	2,288	1,403	13	58	104	3	1,581	3,869		
7-8pm	1,932	26	55	47	6	2,066	1,319	20	42	78	0	1,459	3,525		
8-9pm	1,891	21	36	37	4	1,989	1,201	13	21	66	2	1,303	3,292		
9-10pm	1,806	23	22	22	4	1,877	1,266	11	14	41	1	1,333	3,210		
10-11pm	1,824	28	22	25	5	1,904	1,380	11	8	31	0	1,430	3,334		
11-12pm	1,689	14	14	23	4	1,744	1,311	4	3	14	1	1,333	3,077		
Totals	33,037	640	868	2,175	160	36,880	29,679	595	682	3,858	242	35,056	71,936		
7-10am	3,759	105	157	464	31	4,516	6,033	144	157	1,120	62	7,516	12,032		
10am-1pm	3,464	91	147	577	36	4,315	3,707	119	102	941	57	4,926	9,241		
1-4pm	4,329	117	187	587	29	5,249	3,873	102	117	698	35	4,825	10,074		
4-7pm	6,673	128	176	249	22	7,248	4,119	68	136	387	13	4,723	11,971		
7am-7pm	18,225	441	667	1,877	118	21,328	17,732	433	512	3,146	167	21,990	43,318		

Based on April 2006 Classification Survey Data

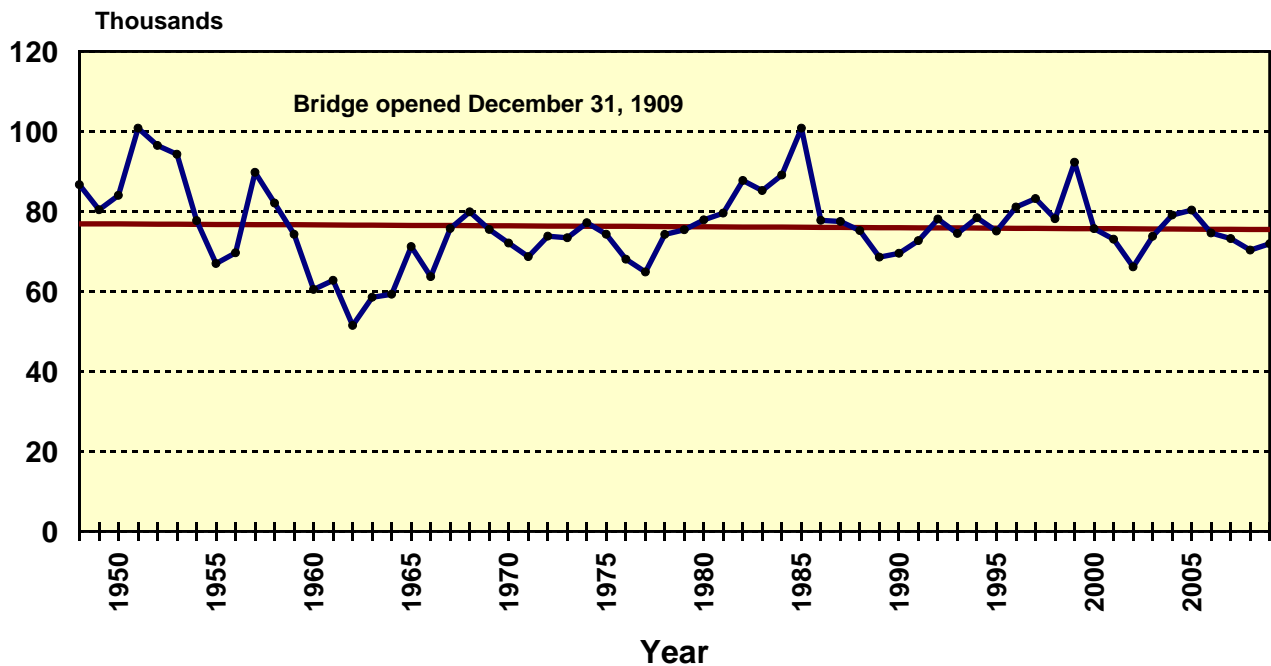
** Peak Volumes

Hourly Vehicular Volumes Manhattan Bridge - 2009



Average Daily Traffic Volumes Manhattan Bridge

1948-2009 Growth Rate = 0.0%



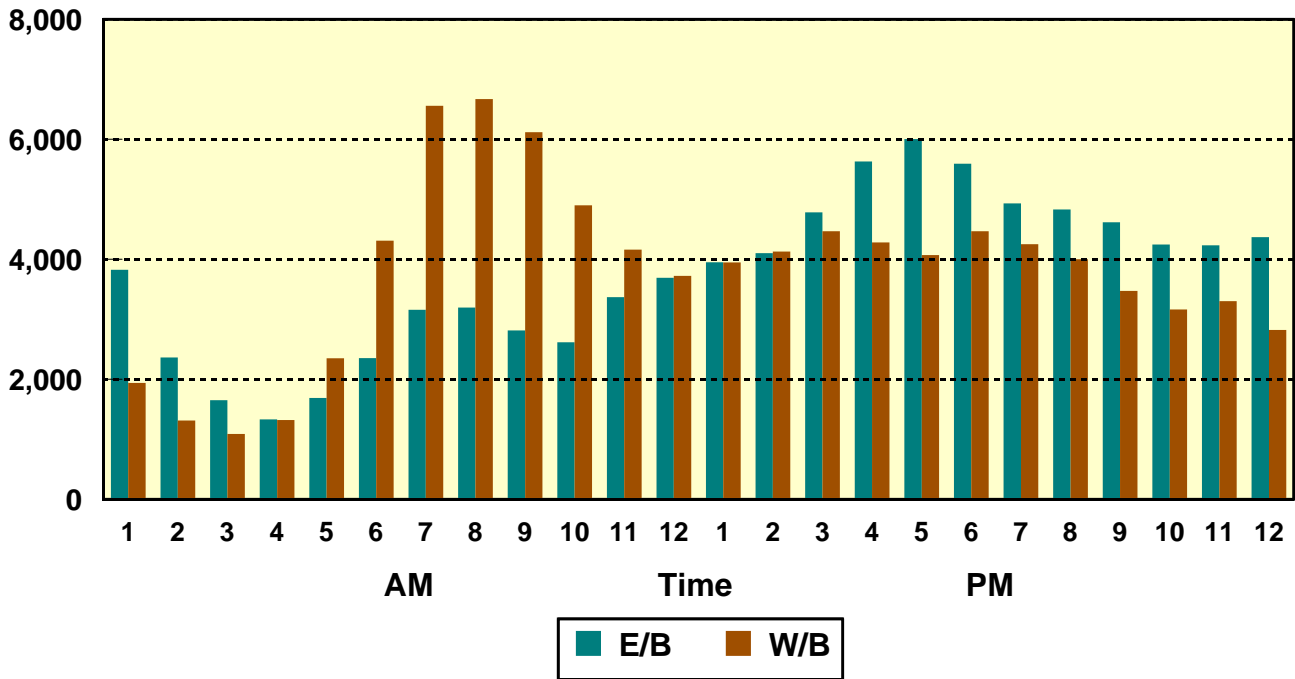
Hourly Vehicular Volumes Queensboro Bridge - 2009

FHWA Classes ▶	<i>Eastbound to Queens</i>						<i>Westbound to Manhattan</i>						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	Pickups Large SUVs	Buses	Buses				Autos & Motorcycles	Pickups Large SUVs	Buses	Buses				
	1 & 2	3	4	5 - 7	8 - 13		1 & 2	3	4	5 - 7	8 - 13				
12-1am	3,717	47	15	44	0	3,823	1,894	18	13	12	2	1,939	5,762		
1-2am	2,307	21	9	25	1	2,363	1,273	16	7	15	2	1,313	3,676		
2-3am	1,607	8	4	29	1	1,649	1,032	11	5	40	0	1,088	2,737		
3-4am	1,279	6	2	43	0	1,330	1,226	8	13	70	1	1,318	2,648		
4-5am	1,600	15	13	60	0	1,688	2,149	29	21	148	1	2,348	4,036		
5-6am	2,207	36	16	93	1	2,353	3,987	52	28	222	23	4,312	6,665		
6-7am	2,926	32	24	173	1	3,156	6,157	83	40	261	17	6,558	9,714		
7-8am	2,902	51	28	210	4	3,195	6,193	75	56	313	36	6,673	9,868		
8-9am	2,518	48	37	204	6	2,813	5,641	80	64	303	30	6,118	8,931		
9-10am	2,335	38	35	204	5	2,617	4,516	76	48	223	37	4,900	7,517		
10-11am	2,962	62	56	276	11	3,367	3,781	71	36	237	36	4,161	7,528		
11-12am	3,319	56	43	266	5	3,689	3,421	56	26	185	36	3,724	7,413		
12-1pm	3,542	70	43	286	6	3,947	3,628	41	41	198	37	3,945	7,892		
1-2pm	3,673	83	47	295	5	4,103	3,852	55	37	145	41	4,130	8,233		
2-3pm	4,364	85	56	271	7	4,783	4,169	72	45	143	38	4,467	9,250		
3-4pm	5,196	86	59	284	8	5,633	4,022	50	42	146	22	4,282	9,915		
4-5pm	5,609	90	43	255	7	6,004	3,880	47	30	102	13	4,072	10,076		
5-6pm	5,228	74	44	238	10	5,594	4,303	37	35	71	21	4,467	10,061		
6-7pm	4,637	61	47	181	6	4,932	4,134	33	25	46	14	4,252	9,184		
7-8pm	4,530	77	56	158	9	4,830	3,887	28	31	40	13	3,999	8,829		
8-9pm	4,329	83	65	136	4	4,617	3,375	31	23	34	9	3,472	8,089		
9-10pm	4,015	63	49	117	3	4,247	3,080	26	17	36	5	3,164	7,411		
10-11pm	3,998	61	48	126	1	4,234	3,224	24	21	31	1	3,301	7,535		
11-12pm	4,231	54	27	57	2	4,371	2,760	16	19	25	1	2,821	7,192		
Totals	83,031	1,307	866	4,031	103	89,338	85,584	1,035	723	3,046	436	90,824	180,162		
7-10am	7,755	137	100	618	15	8,625	16,350	231	168	839	103	17,691	26,316		
10am-1pm	9,823	188	142	828	22	11,003	10,830	168	103	620	109	11,830	22,833		
1-4pm	13,233	254	162	850	20	14,519	12,043	177	124	434	101	12,879	27,398		
4-7pm	15,474	225	134	674	23	16,530	12,317	117	90	219	48	12,791	29,321		
7am-7pm	46,285	804	538	2,970	80	50,677	51,540	693	485	2,112	361	55,191	105,868		

Based on April 2006 Classification Survey Data

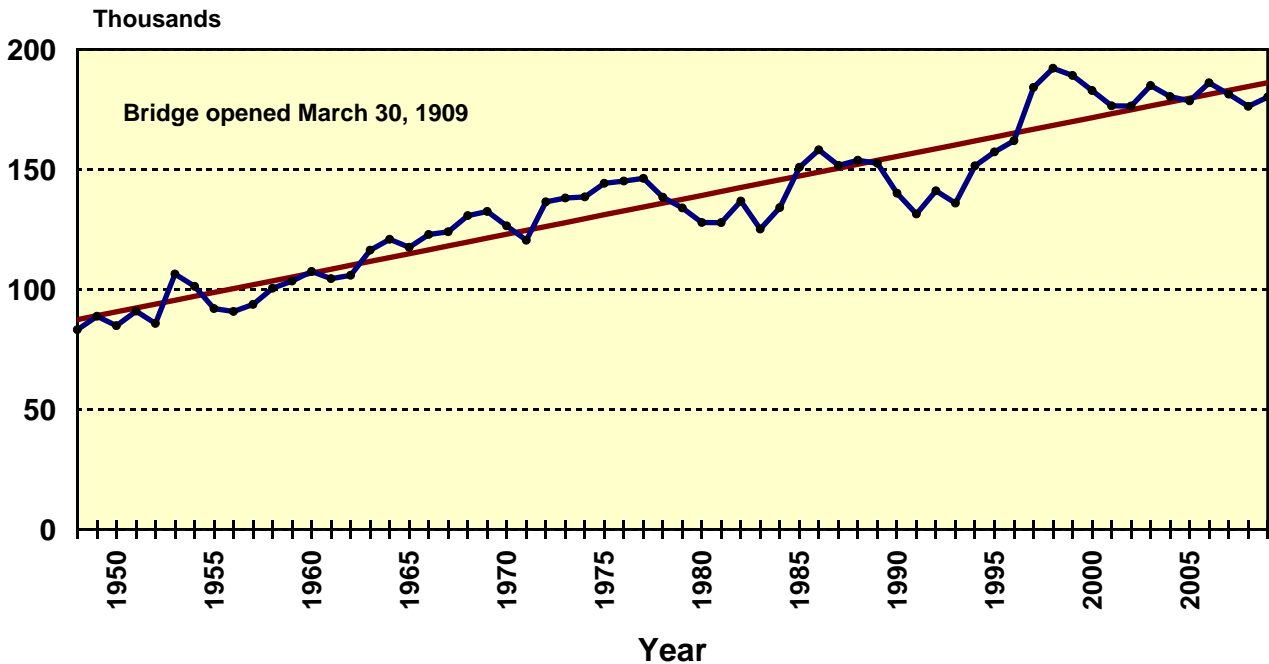
** Peak Volumes

Hourly Vehicular Volumes Queensboro Bridge - 2009



Average Daily Traffic Volumes Queensboro Bridge

1948-2009 Growth Rate = 1.2%



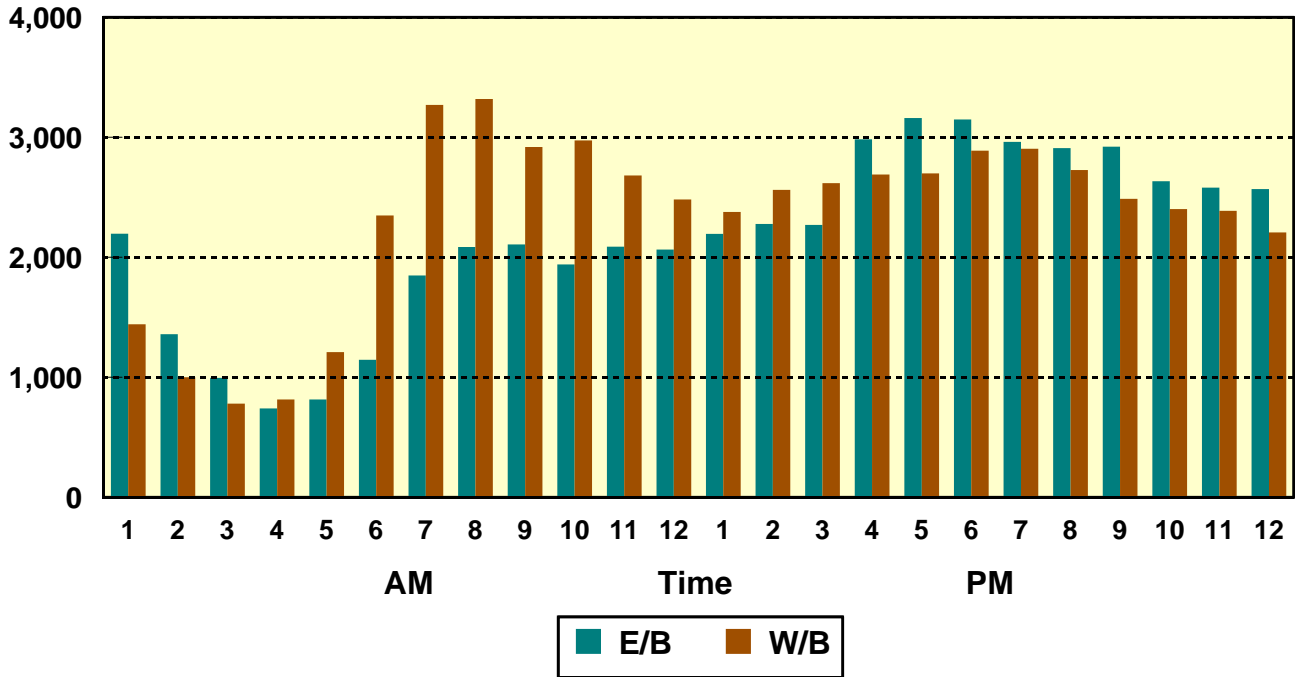
Hourly Vehicular Volumes Williamsburg Bridge - 2009

FHWA Classes ▶	<i>Eastbound to Brooklyn</i>						<i>Westbound to Manhattan</i>						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	Pickups Large SUVs	Buses					Autos & Motorcycles	Pickups Large SUVs	Buses					
	1 & 2	3	4	5 - 7	8 - 13		1 & 2	3	4	5 - 7	8 - 13				
12-1am	2,187	7	1	2	0	2,197	1,437	4	1	0	0	1,442	3,639		
1-2am	1,353	3	1	0	1	1,358	994	3	1	1	0	999	2,357		
2-3am	983	5	3	2	1	994	771	6	1	2	0	780	1,774		
3-4am	725	7	3	3	2	740	808	4	0	1	1	814	1,554		
4-5am	804	6	2	3	0	815	1,201	6	1	1	1	1,210	2,025		
5-6am	1,125	6	8	6	0	1,145	2,333	6	7	1	2	2,349	3,494		
6-7am	1,775	14	31	25	3	1,848	3,229	16	17	8	0	3,270	5,118		
7-8am	1,974	23	50	38	1	2,086	3,255	31	20	14	0	3,320	5,406		
8-9am	2,004	23	45	32	3	2,107	2,850	33	21	15	1	2,920	5,027		
9-10am	1,831	28	46	32	2	1,939	2,908	29	20	14	3	2,974	4,913		
10-11am	1,938	40	67	43	1	2,089	2,619	34	18	9	3	2,683	4,772		
11-12am	1,930	33	57	43	2	2,065	2,429	28	17	8	1	2,483	4,548		
12-1pm	2,053	57	26	57	2	2,195	2,311	33	16	17	1	2,378	4,573		
1-2pm	2,131	65	29	50	3	2,278	2,493	33	20	16	1	2,563	4,841		
2-3pm	2,146	49	33	39	3	2,270	2,554	31	15	16	2	2,618	4,888		
3-4pm	2,828	64	37	52	3	2,984	2,618	28	20	22	2	2,690	5,674		
4-5pm	3,013	60	36	46	5	3,160	2,623	37	19	19	1	2,699	5,859		
5-6pm	3,024	57	34	32	1	3,148	2,804	41	25	18	1	2,889	6,037		
6-7pm	2,876	38	24	23	2	2,963	2,834	35	17	17	2	2,905	5,868		
7-8pm	2,835	30	24	20	1	2,910	2,671	27	16	13	0	2,727	5,637		
8-9pm	2,861	26	20	14	2	2,923	2,462	15	5	4	1	2,487	5,410		
9-10pm	2,602	13	12	5	2	2,634	2,381	14	4	3	1	2,403	5,037		
10-11pm	2,560	11	4	4	2	2,581	2,367	14	2	3	1	2,387	4,968		
11-12pm	2,556	7	2	3	0	2,568	2,191	9	3	3	1	2,207	4,775		
Totals	50,114	672	595	574	42	51,997	55,143	517	286	225	26	56,197	108,194		
7-10am	5,809	74	141	102	6	6,132	9,013	93	61	43	4	9,214	15,346		
10am-1pm	5,921	130	150	143	5	6,349	7,359	95	51	34	5	7,544	13,893		
1-4pm	7,105	178	99	141	9	7,532	7,665	92	55	54	5	7,871	15,403		
4-7pm	8,913	155	94	101	8	9,271	8,261	113	61	54	4	8,493	17,764		
7am-7pm	27,748	537	484	487	28	29,284	32,298	393	228	185	18	33,122	62,406		

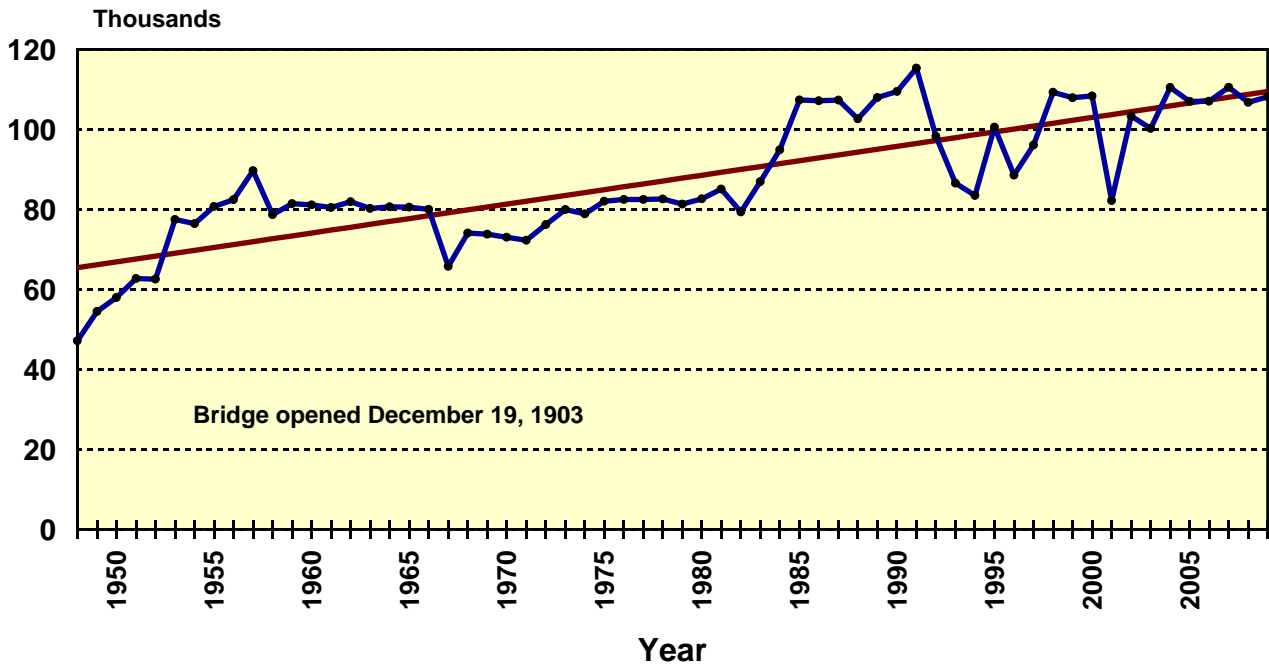
Based on March 2006 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Williamsburg Bridge - 2009



Average Daily Traffic Volumes Williamsburg Bridge 1948-2009 Growth Rate = 0.8%



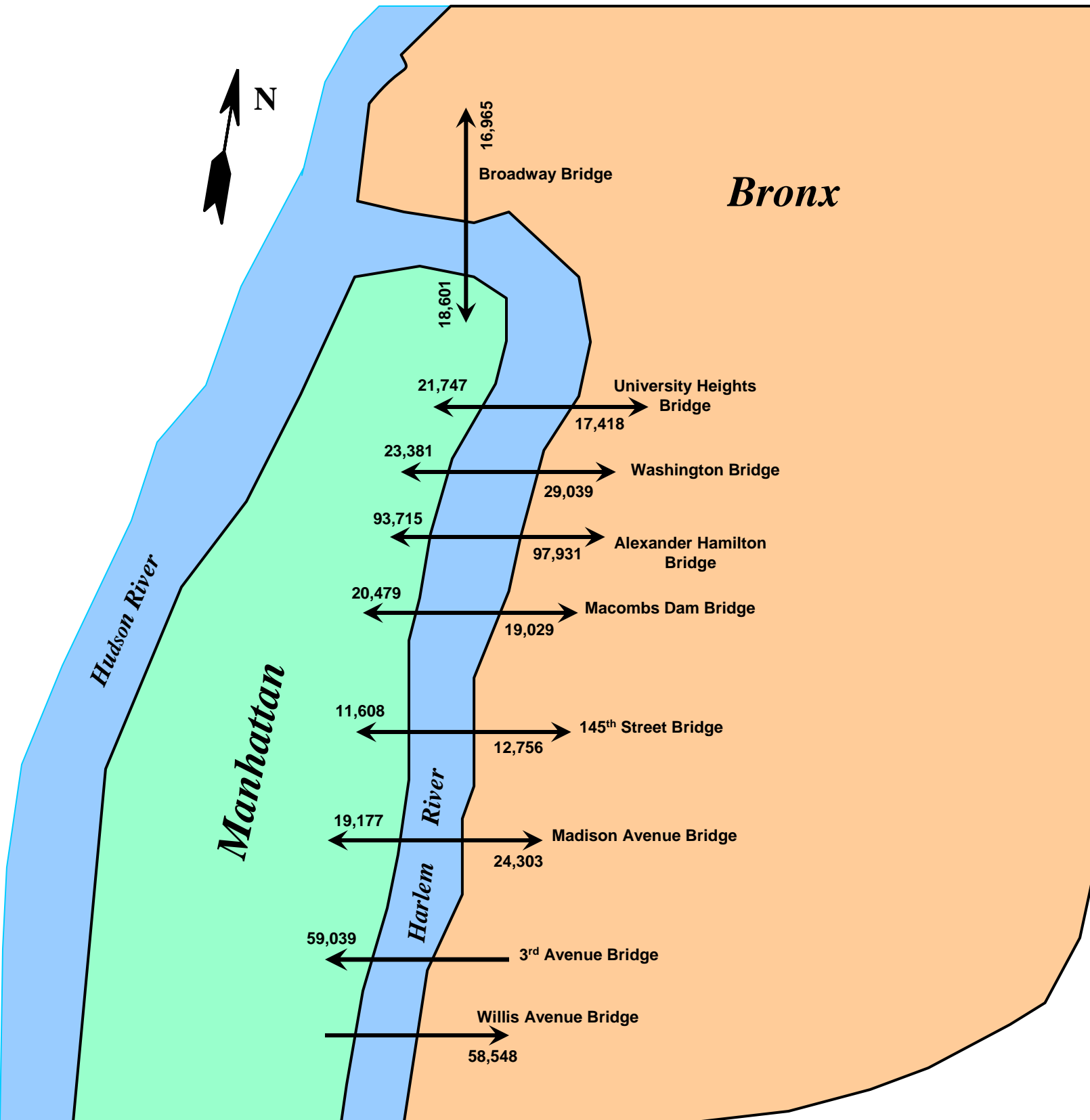
Harlem River Bridges



145th Street Bridge

Harlem River Bridges

2009 Daily Volumes



Harlem River Bridges
Average Daily Traffic Volumes
1948 - 2009

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

Harlem River Bridges (cont'd)

Average Daily Traffic Volumes

1948 - 2009

<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
2009	39,165	52,420	58,548	24,364	543,736

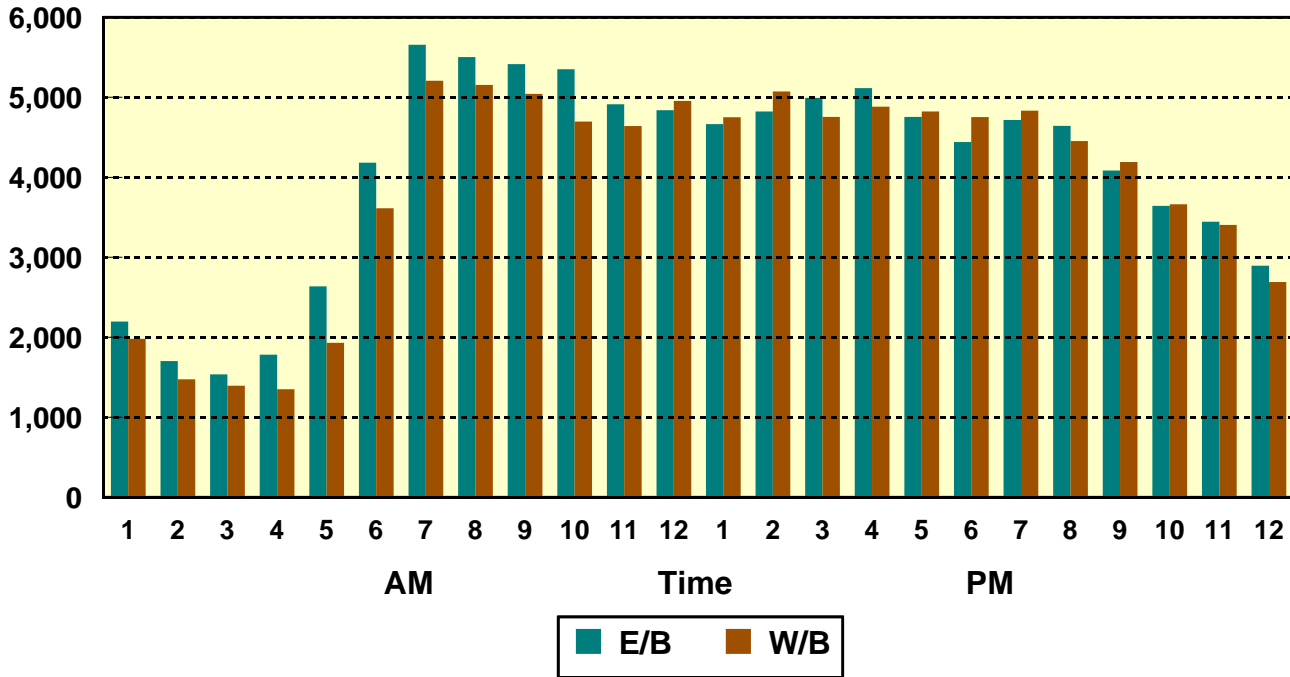
Hourly Vehicular Volumes Alexander Hamilton Bridge - 2009

	<i>Eastbound to Bronx</i>						<i>Westbound to Manhattan</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	2,195	---	---	---	---	---	1,980	4,175
1-2am	---	---	---	---	---	1,701	---	---	---	---	---	1,475	3,176
2-3am	---	---	---	---	---	1,535	---	---	---	---	---	1,394	2,929
3-4am	---	---	---	---	---	1,782	---	---	---	---	---	1,350	3,132
4-5am	---	---	---	---	---	2,636	---	---	---	---	---	1,930	4,566
5-6am	---	---	---	---	---	4,182	---	---	---	---	---	3,612	7,794
6-7am	---	---	---	---	---	5,657 **	---	---	---	---	---	5,208 **	10,865 **
7-8am	4,297	14	248	821	124	5,504	4,361	10	93	463	229	5,156	10,660
8-9am	3,936	5	257	989	229	5,416	4,314	35	35	501	159	5,044	10,460
9-10am	3,744	5	240	1,227	135	5,351	3,611	52	30	793	211	4,697	10,048
10-11am	4,409	3	105	345	50	4,912	4,016	28	18	433	146	4,641	9,553
11-12am	3,628	11	260	807	133	4,839	3,511	15	22	1,095	312	4,955	9,794
12-1pm	4,046	0	114	456	50	4,666	4,026	11	10	562	142	4,751	9,417
1-2pm	3,675	8	175	877	87	4,822	3,790	14	27	985	258	5,074	9,896
2-3pm	3,865	6	206	802	113	4,992	3,550	20	43	952	191	4,756	9,748
3-4pm	4,559	8	92	356	100	5,115	4,251	23	17	500	91	4,882	9,997
4-5pm	3,987	6	150	498	114	4,755	3,637	4	42	917	222	4,822	9,577
5-6pm	3,873	5	109	364	90	4,441	3,726	2	30	831	163	4,752	9,193
6-7pm	3,966	9	208	455	80	4,718	4,160	3	24	504	144	4,835	9,553
7-8pm	---	---	---	---	---	4,642	---	---	---	---	---	4,454	9,096
8-9pm	---	---	---	---	---	4,086	---	---	---	---	---	4,190	8,276
9-10pm	---	---	---	---	---	3,643	---	---	---	---	---	3,663	7,306
10-11pm	---	---	---	---	---	3,446	---	---	---	---	---	3,405	6,851
11-12pm	---	---	---	---	---	2,895	---	---	---	---	---	2,689	5,584
Totals	---	---	---	---	---	97,931	---	---	---	---	---	93,715	191,646
7-10am	11,977	24	745	3,037	488	16,271	12,286	97	158	1,757	599	14,897	31,168
10am-1pm	12,083	14	479	1,608	233	14,417	11,553	54	50	2,090	600	14,347	28,764
1-4pm	12,099	22	473	2,035	300	14,929	11,591	57	87	2,437	540	14,712	29,641
4-7pm	11,826	20	467	1,317	284	13,914	11,523	9	96	2,252	529	14,409	28,323
7am-7pm	47,985	80	2,164	7,997	1,305	59,531	46,953	217	391	8,536	2,268	58,365	117,896

Based on 1989 Classification Survey Data

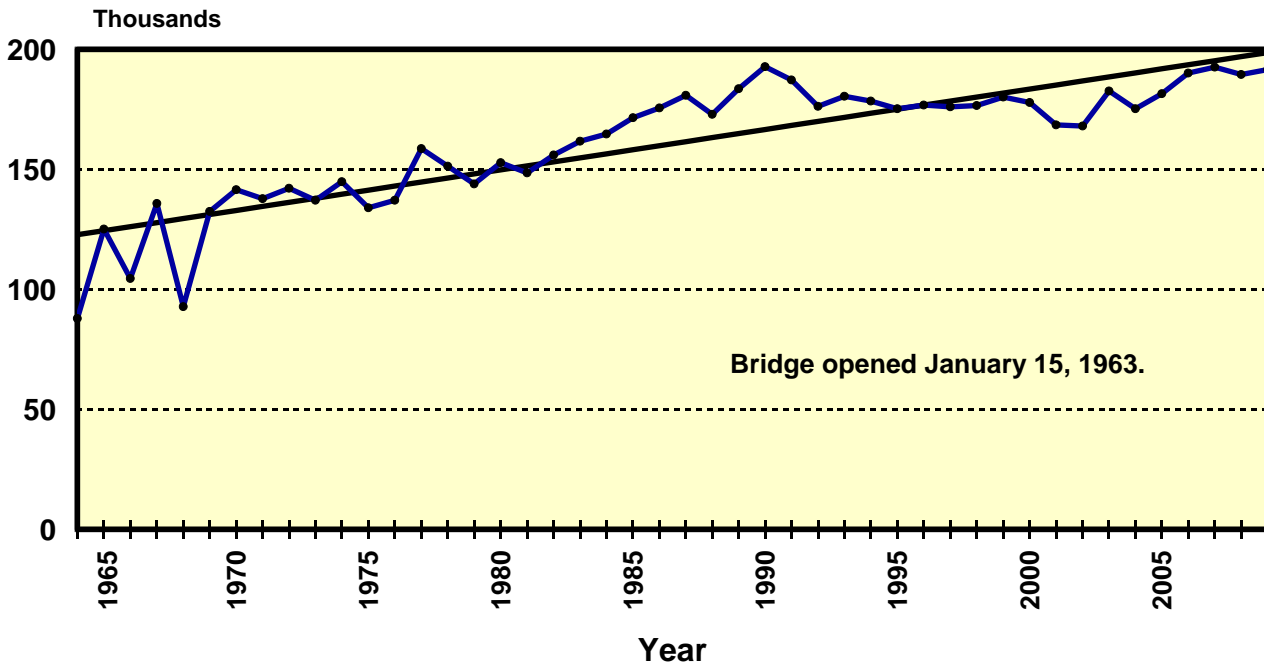
** Peak Volumes

Hourly Vehicular Volumes Alexander Hamilton Bridge - 2009



Average Daily Traffic Volumes Alexander Hamilton Bridge

1964-2009 Growth Rate = 1.1%



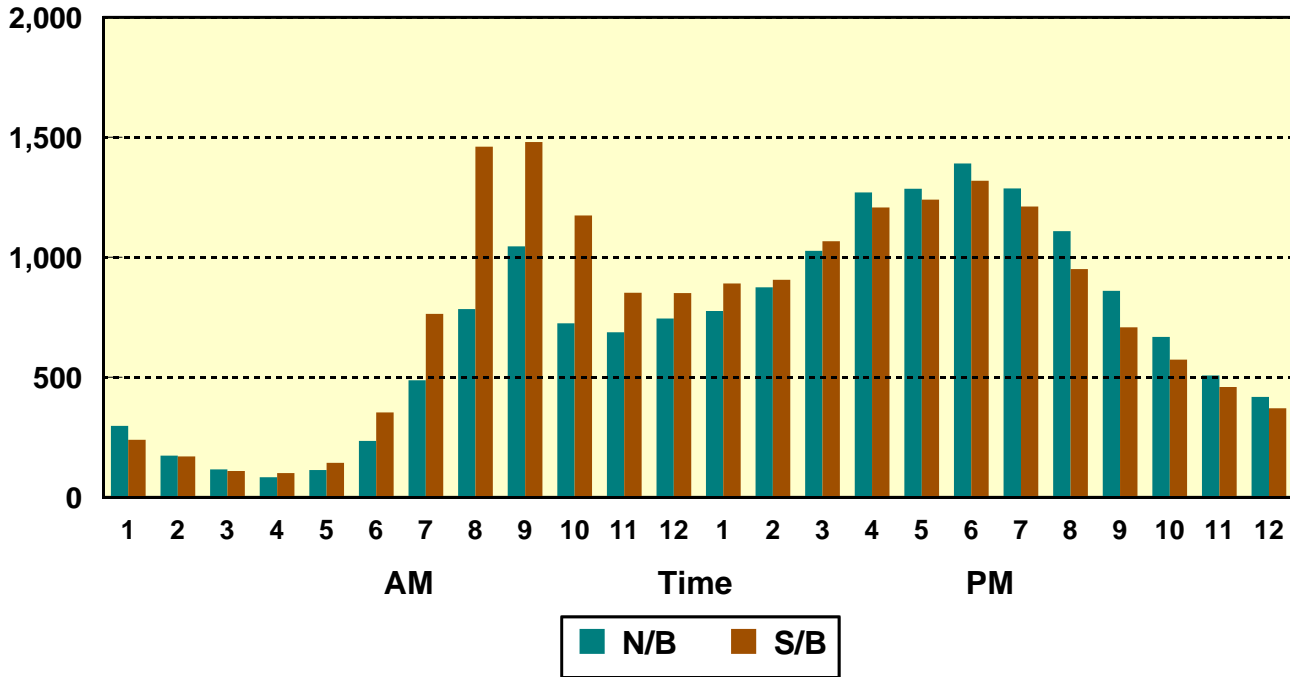
Hourly Vehicular Volumes Broadway Bridge - 2009

	Northbound to Bronx						Southbound to Manhattan						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	297	---	---	---	---	---	239	536
1-2am	---	---	---	---	---	173	---	---	---	---	---	170	343
2-3am	---	---	---	---	---	116	---	---	---	---	---	109	225
3-4am	---	---	---	---	---	83	---	---	---	---	---	101	184
4-5am	---	---	---	---	---	113	---	---	---	---	---	143	256
5-6am	---	---	---	---	---	235	---	---	---	---	---	353	588
6-7am	---	---	---	---	---	487	---	---	---	---	---	764	1,251
7-8am	639	35	19	64	27	784	1,289	59	41	29	43	1,461	2,245
8-9am	890	64	23	39	30	1,046	1,314	45	30	46	45	1,480	2,526
9-10am	621	21	3	25	55	725	1,003	38	29	59	45	1,174	1,899
10-11am	618	15	2	31	21	687	776	20	11	36	9	852	1,539
11-12am	651	20	8	26	40	745	704	23	23	50	51	851	1,596
12-1pm	709	20	5	20	22	776	837	21	4	17	11	890	1,666
1-2pm	793	24	3	27	28	875	839	23	9	19	16	906	1,781
2-3pm	888	25	1	37	76	1,027	963	30	23	34	17	1,067	2,094
3-4pm	1,178	28	10	15	39	1,270	1,134	32	13	19	10	1,208	2,478
4-5pm	1,138	40	28	24	56	1,286	1,120	30	21	35	34	1,240	2,526
5-6pm	1,275	29	9	12	66	1,391	1,212	31	32	19	25	1,319	2,710
6-7pm	1,140	22	0	13	112	1,287	1,127	30	27	19	9	1,212	2,499
7-8pm	---	---	---	---	---	1,109	---	---	---	---	---	951	2,060
8-9pm	---	---	---	---	---	860	---	---	---	---	---	708	1,568
9-10pm	---	---	---	---	---	668	---	---	---	---	---	573	1,241
10-11pm	---	---	---	---	---	507	---	---	---	---	---	459	966
11-12pm	---	---	---	---	---	418	---	---	---	---	---	371	789
Totals	---	---	---	---	---	16,965	---	---	---	---	---	18,601	35,566
7-10am	2,150	120	45	128	112	2,555	3,606	142	100	134	133	4,115	6,670
10am-1pm	1,978	55	15	77	83	2,208	2,317	64	38	103	71	2,593	4,801
1-4pm	2,859	77	14	79	143	3,172	2,936	85	45	72	43	3,181	6,353
4-7pm	3,553	91	37	49	234	3,964	3,459	91	80	73	68	3,771	7,735
7am-7pm	10,540	343	111	333	572	11,899	12,318	382	263	382	315	13,660	25,559

Based on 1989 Classification Survey Data

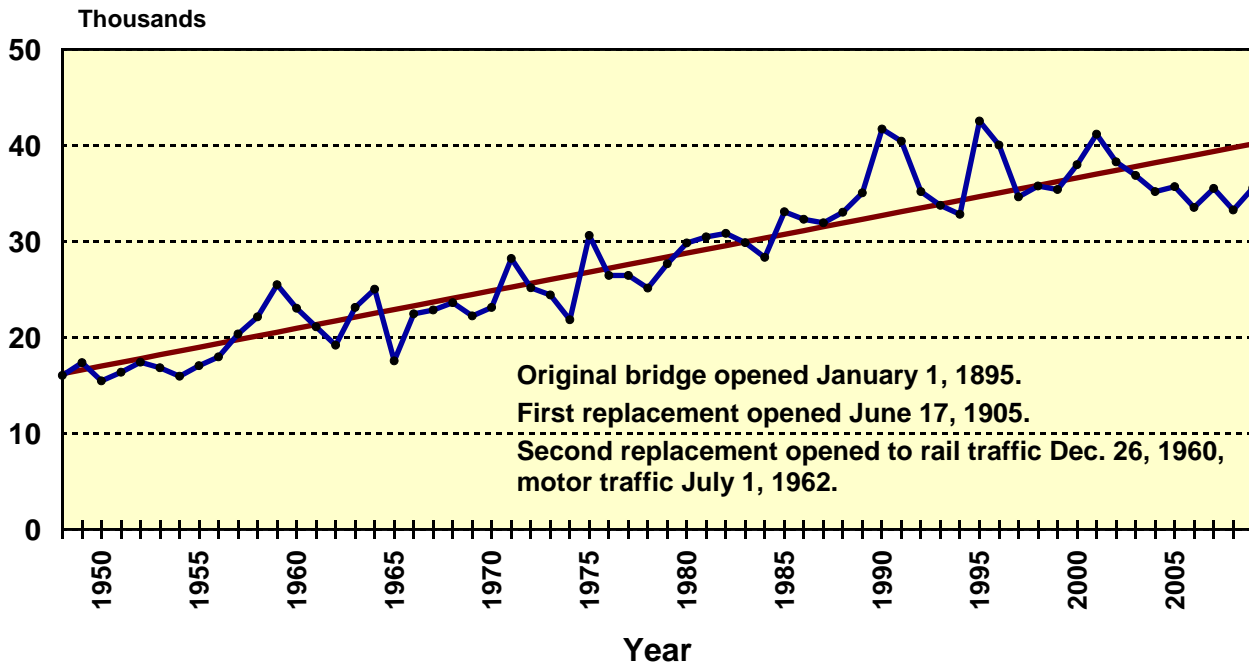
** Peak Volumes

Hourly Vehicular Volumes Broadway Bridge - 2009



Average Daily Traffic Volumes Broadway Bridge

1948-2009 Growth Rate = 1.5%



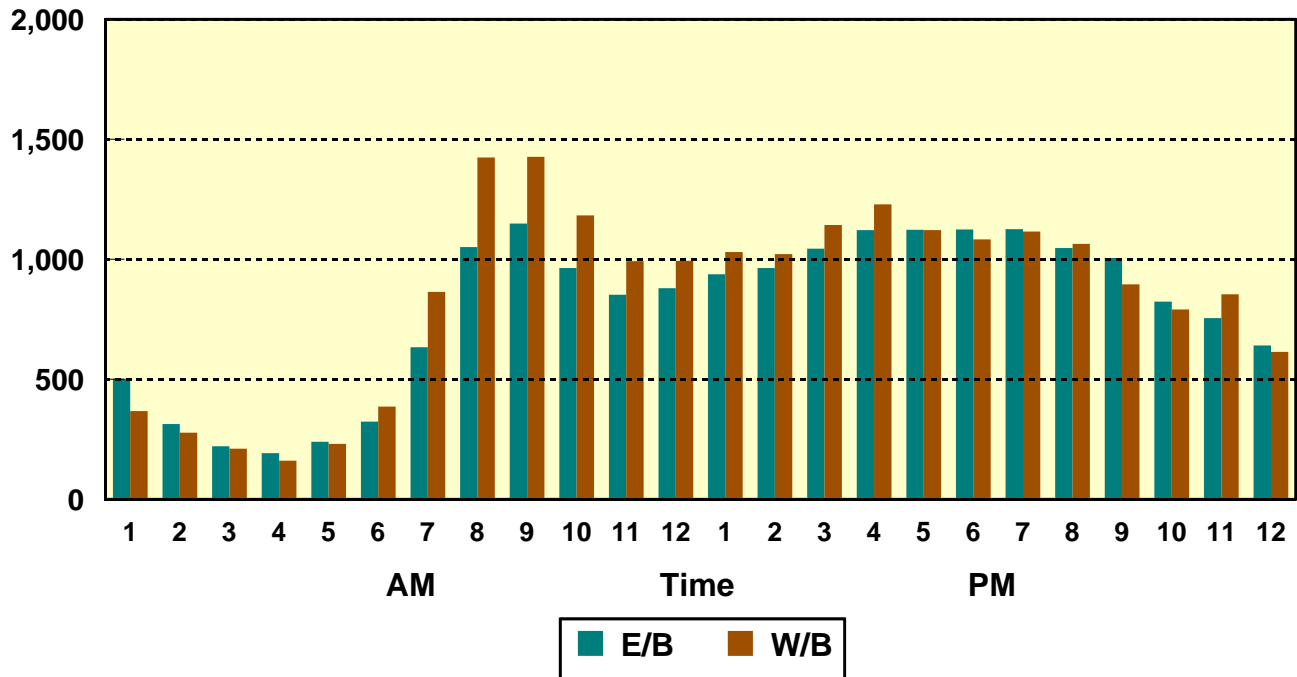
Hourly Vehicular Volumes Macombs Dam Bridge - 2009

	<i>Eastbound to Bronx</i>						<i>Westbound to Manhattan</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	502	---	---	---	---	---	367	869
1-2am	---	---	---	---	---	313	---	---	---	---	---	277	590
2-3am	---	---	---	---	---	221	---	---	---	---	---	211	432
3-4am	---	---	---	---	---	192	---	---	---	---	---	161	353
4-5am	---	---	---	---	---	239	---	---	---	---	---	231	470
5-6am	---	---	---	---	---	323	---	---	---	---	---	386	709
6-7am	---	---	---	---	---	633	---	---	---	---	---	864	1,497
7-8am	863	35	22	53	78	1,051	1,098	35	5	78	208	1,424	2,475
8-9am	962	13	17	58	99	1,149 **	1,160	10	2	91	164	1,427 **	2,576 **
9-10am	824	18	14	52	55	963	884	18	12	102	167	1,183	2,146
10-11am	768	7	3	33	41	852	885	8	7	39	53	992	1,844
11-12am	727	9	12	60	71	879	820	7	13	72	81	993	1,872
12-1pm	855	10	6	28	38	937	950	17	3	19	41	1,030	1,967
1-2pm	901	3	6	28	25	963	904	18	7	20	73	1,022	1,985
2-3pm	868	13	21	68	75	1,045	975	21	15	48	84	1,143	2,188
3-4pm	978	20	9	53	62	1,122	1,122	34	10	21	42	1,229	2,351
4-5pm	871	8	28	75	141	1,123	984	9	27	36	66	1,122	2,245
5-6pm	944	8	13	34	125	1,124	994	11	8	16	54	1,083	2,207
6-7pm	1,050	3	6	25	42	1,126	1,001	6	11	22	76	1,116	2,242
7-8pm	---	---	---	---	---	1,047	---	---	---	---	---	1,064	2,111
8-9pm	---	---	---	---	---	1,006	---	---	---	---	---	895	1,901
9-10pm	---	---	---	---	---	823	---	---	---	---	---	791	1,614
10-11pm	---	---	---	---	---	755	---	---	---	---	---	854	1,609
11-12pm	---	---	---	---	---	641	---	---	---	---	---	614	1,255
Totals	---	---	---	---	---	19,029	---	---	---	---	---	20,479	39,508
7-10am	2,649	66	53	163	232	3,163	3,142	63	19	271	539	4,034	7,197
10am-1pm	2,350	26	21	121	150	2,668	2,655	32	23	130	175	3,015	5,683
1-4pm	2,747	36	36	149	162	3,130	3,001	73	32	89	199	3,394	6,524
4-7pm	2,865	19	47	134	308	3,373	2,979	26	46	74	196	3,321	6,694
7am-7pm	10,611	147	157	567	852	12,334	11,777	194	120	564	1,109	13,764	26,098

Based on 1989 Classification Survey Data

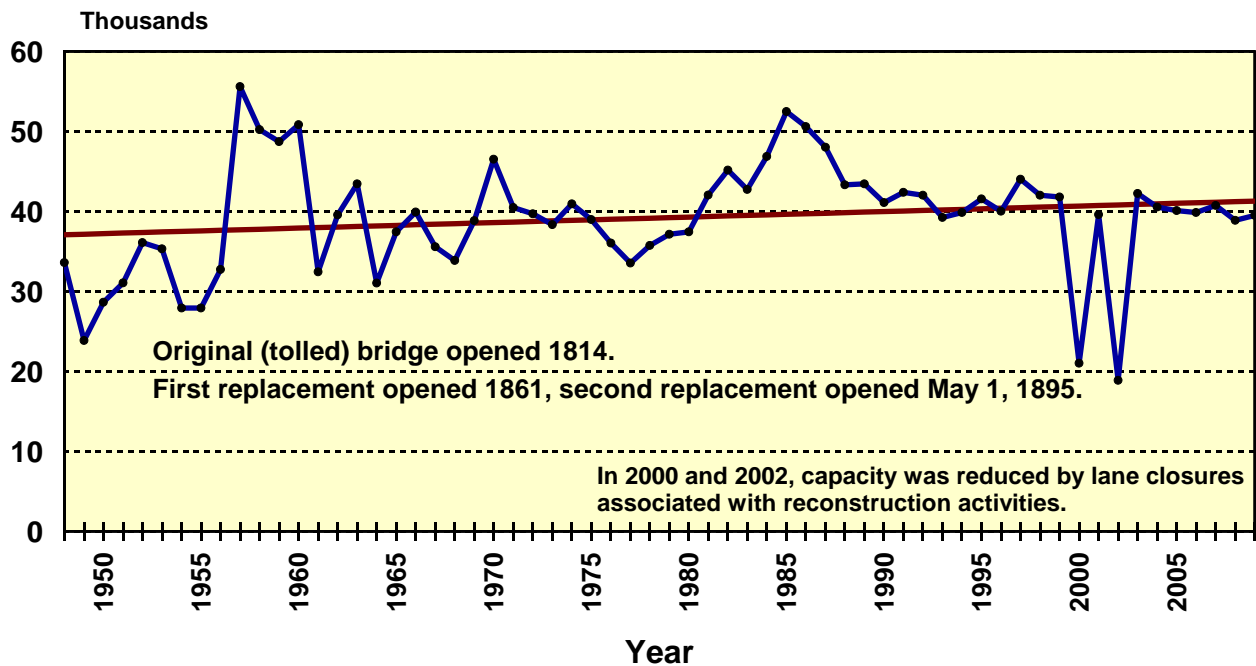
** Peak Volumes

Hourly Vehicular Volumes Macombs Dam Bridge - 2009



Average Daily Traffic Volumes Macombs Dam Bridge

1948-2009 Growth Rate = 0.2%



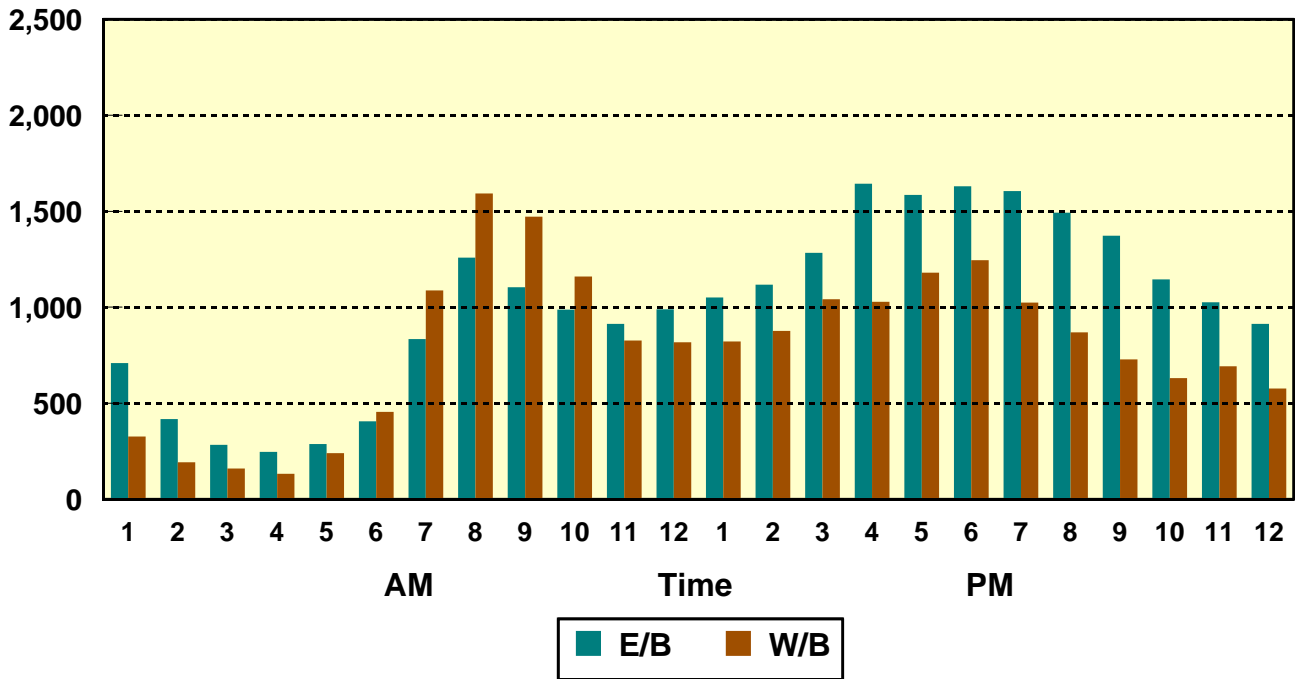
Hourly Vehicular Volumes Madison Avenue Bridge - 2009

	<i>Eastbound to Bronx</i>						<i>Westbound to Manhattan</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	709	---	---	---	---	---	327	1,036
1-2am	---	---	---	---	---	418	---	---	---	---	---	192	610
2-3am	---	---	---	---	---	283	---	---	---	---	---	160	443
3-4am	---	---	---	---	---	247	---	---	---	---	---	132	379
4-5am	---	---	---	---	---	287	---	---	---	---	---	240	527
5-6am	---	---	---	---	---	406	---	---	---	---	---	455	861
6-7am	---	---	---	---	---	834	---	---	---	---	---	1,087	1,921
7-8am	980	49	108	64	58	1,259	1,305	104	14	53	117	1,593 **	2,852
8-9am	866	59	77	45	57	1,104	1,166	97	27	62	120	1,472	2,576
9-10am	710	63	91	76	47	987	818	59	33	142	108	1,160	2,147
10-11am	759	34	45	33	42	913	672	56	19	19	61	827	1,740
11-12am	668	27	87	108	99	989	623	24	32	61	78	818	1,807
12-1pm	896	30	36	43	46	1,051	691	30	23	28	50	822	1,873
1-2pm	948	33	35	48	53	1,117	746	51	26	14	40	877	1,994
2-3pm	938	35	82	114	115	1,284	831	70	29	31	80	1,041	2,325
3-4pm	1,417	29	45	80	73	1,644 **	886	61	18	23	40	1,028	2,672
4-5pm	1,182	29	133	110	132	1,586	1,021	63	27	24	45	1,180	2,766
5-6pm	1,303	35	113	92	87	1,630	1,093	49	34	27	42	1,245	2,875 **
6-7pm	1,321	77	52	67	88	1,605	928	37	21	18	20	1,024	2,629
7-8pm	---	---	---	---	---	1,493	---	---	---	---	---	869	2,362
8-9pm	---	---	---	---	---	1,373	---	---	---	---	---	728	2,101
9-10pm	---	---	---	---	---	1,145	---	---	---	---	---	631	1,776
10-11pm	---	---	---	---	---	1,026	---	---	---	---	---	692	1,718
11-12pm	---	---	---	---	---	913	---	---	---	---	---	577	1,490
Totals	---	---	---	---	---	24,303	---	---	---	---	---	19,177	43,480
7-10am	2,556	171	276	185	162	3,350	3,289	260	74	257	345	4,225	7,575
10am-1pm	2,323	91	168	184	187	2,953	1,986	110	74	108	189	2,467	5,420
1-4pm	3,303	97	162	242	241	4,045	2,463	182	73	68	160	2,946	6,991
4-7pm	3,806	141	298	269	307	4,821	3,042	149	82	69	107	3,449	8,270
7am-7pm	11,988	500	904	880	897	15,169	10,780	701	303	502	801	13,087	28,256

Based on 1989 Classification Survey Data

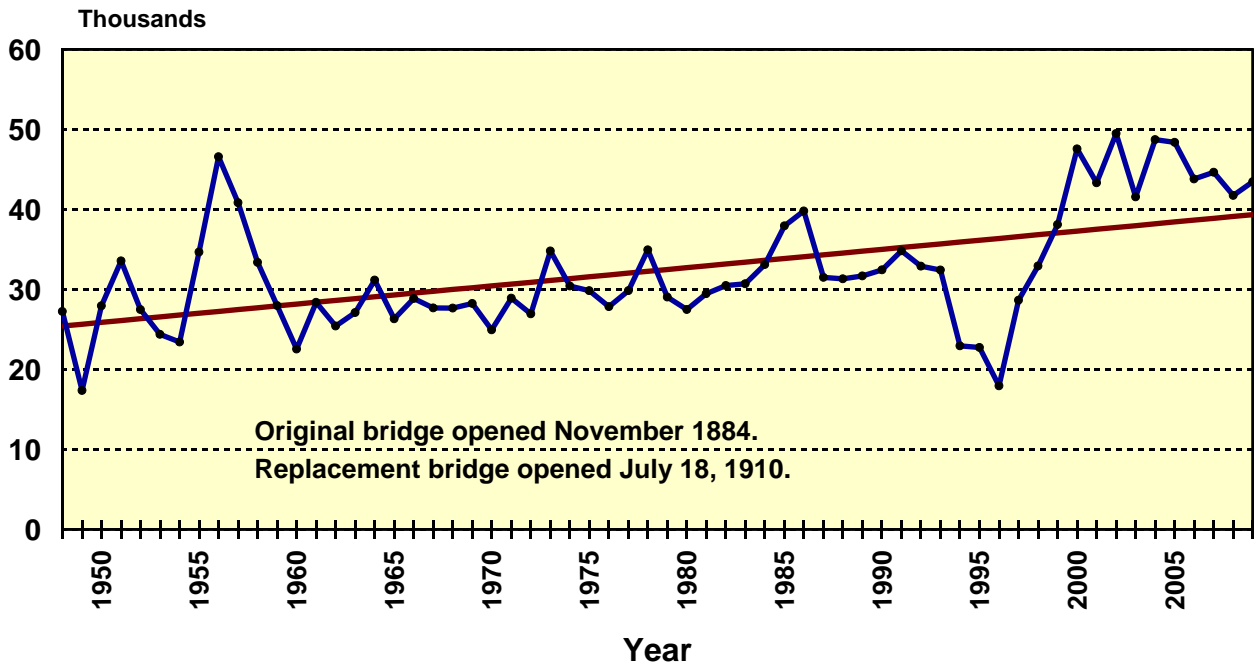
** Peak Volumes

Hourly Vehicular Volumes Madison Avenue Bridge - 2009



Average Daily Traffic Volumes Madison Avenue Bridge

1948-2009 Growth Rate = 0.7%



Hourly Vehicular Volumes Third Avenue Bridge - 2009

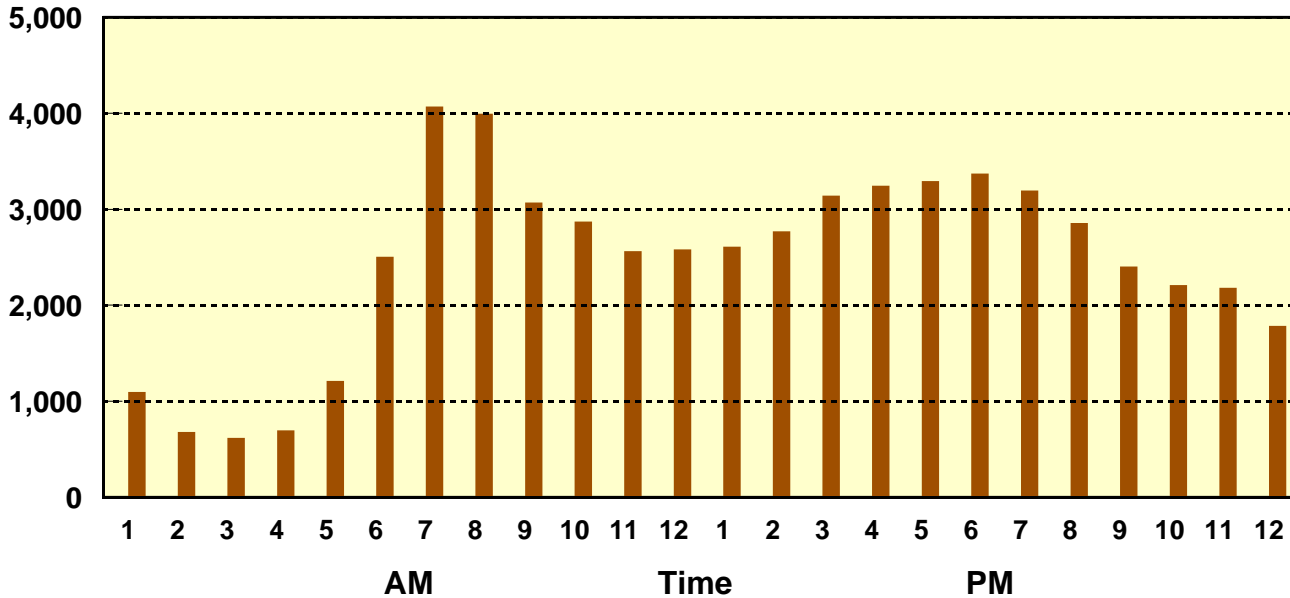
	<i>Northbound to Bronx</i>						<i>Southbound to Manhattan</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am							---	---	---	---	---	1,097	1,097
1-2am							---	---	---	---	---	680	680
2-3am							---	---	---	---	---	618	618
3-4am							---	---	---	---	---	696	696
4-5am							---	---	---	---	---	1,212	1,212
5-6am							---	---	---	---	---	2,506	2,506
6-7am							---	---	---	---	---	4,071	4,071
7-8am							2,568	53	397	536	442	3,996	3,996
8-9am							2,013	29	199	407	424	3,072	3,072
9-10am							1,919	31	253	374	296	2,873	2,873
10-11am							2,145	26	142	138	114	2,565	2,565
11-12am							1,721	48	279	330	204	2,582	2,582
12-1pm							2,205	66	114	127	98	2,610	2,610
1-2pm							2,069	94	180	158	270	2,771	2,771
2-3pm							2,180	108	272	268	314	3,142	3,142
3-4pm							2,907	86	100	81	72	3,246	3,246
4-5pm							2,774	63	150	143	165	3,295	3,295
5-6pm							2,996	59	124	105	89	3,373	3,373
6-7pm							2,860	58	116	78	85	3,197	3,197
7-8pm							---	---	---	---	---	2,857	2,857
8-9pm							---	---	---	---	---	2,404	2,404
9-10pm							---	---	---	---	---	2,210	2,210
10-11pm							---	---	---	---	---	2,181	2,181
11-12pm							---	---	---	---	---	1,785	1,785
Totals							---	---	---	---	---	59,039	59,039
7-10am							6,500	113	849	1,317	1,162	9,941	9,941
10am-1pm							6,071	140	535	595	416	7,757	7,757
1-4pm							7,156	288	552	507	656	9,159	9,159
4-7pm							8,630	180	390	326	339	9,865	9,865
7am-7pm							28,357	721	2,326	2,745	2,573	36,722	36,722

**Bridge is 1-way southbound
to Manhattan**

Based on 1989 Classification Survey Data

** Peak Volumes

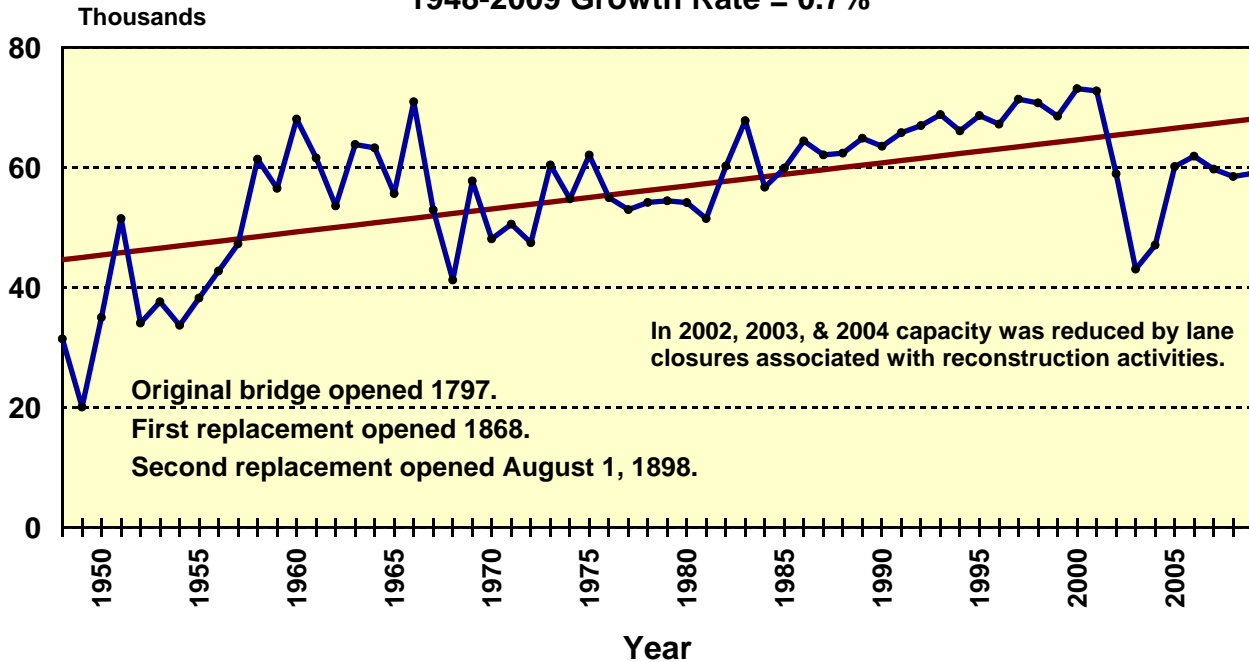
Hourly Vehicular Volumes Third Avenue Bridge (Harlem River) - 2009



Bridge is 1-way southbound to Manhattan

Average Daily Traffic Volumes Third Avenue Bridge (Harlem River)

1948-2009 Growth Rate = 0.7%



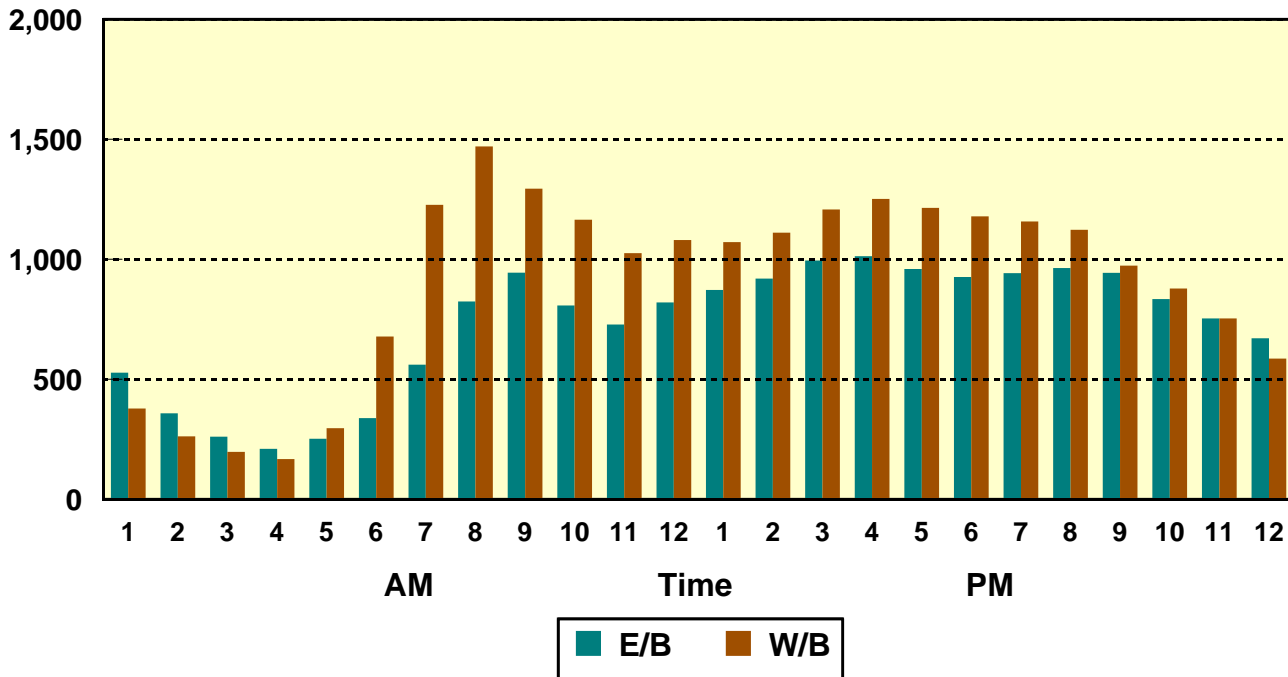
Hourly Vehicular Volumes University Heights Bridge - 2009

	<i>Eastbound to Bronx</i>						<i>Westbound to Manhattan</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	527	---	---	---	---	---	378	905
1-2am	---	---	---	---	---	358	---	---	---	---	---	262	620
2-3am	---	---	---	---	---	261	---	---	---	---	---	197	458
3-4am	---	---	---	---	---	210	---	---	---	---	---	167	377
4-5am	---	---	---	---	---	252	---	---	---	---	---	296	548
5-6am	---	---	---	---	---	338	---	---	---	---	---	678	1,016
6-7am	---	---	---	---	---	560	---	---	---	---	---	1,227	1,787
7-8am	623	44	79	38	40	824	1,274	21	33	37	105	1,470	** 2,294 **
8-9am	733	8	77	55	71	944	1,123	11	24	45	91	1,294	2,238
9-10am	600	8	60	69	70	807	986	13	16	50	100	1,165	1,972
10-11am	636	3	33	31	25	728	936	4	4	26	56	1,026	1,754
11-12am	632	7	66	77	38	820	919	7	13	58	83	1,080	1,900
12-1pm	786	13	24	27	22	872	990	2	5	27	48	1,072	1,944
1-2pm	789	39	38	30	23	919	1,049	4	4	19	35	1,111	2,030
2-3pm	815	13	69	50	48	995	1,034	10	20	46	98	1,208	2,203
3-4pm	923	16	21	27	26	1,013	** 1,131	40	6	25	50	1,252	2,265
4-5pm	836	4	51	39	29	959	1,080	17	15	22	80	1,214	2,173
5-6pm	812	0	51	25	38	926	1,104	1	13	12	49	1,179	2,105
6-7pm	822	0	51	17	52	942	1,083	6	9	9	51	1,158	2,100
7-8pm	---	---	---	---	---	963	---	---	---	---	---	1,123	2,086
8-9pm	---	---	---	---	---	943	---	---	---	---	---	973	1,916
9-10pm	---	---	---	---	---	834	---	---	---	---	---	878	1,712
10-11pm	---	---	---	---	---	753	---	---	---	---	---	753	1,506
11-12pm	---	---	---	---	---	670	---	---	---	---	---	586	1,256
Totals	---	---	---	---	---	17,418	---	---	---	---	---	21,747	39,165
7-10am	1,956	60	216	162	181	2,575	3,383	45	73	132	296	3,929	6,504
10am-1pm	2,054	23	123	135	85	2,420	2,845	13	22	111	187	3,178	5,598
1-4pm	2,527	68	128	107	97	2,927	3,214	54	30	90	183	3,571	6,498
4-7pm	2,470	4	153	81	119	2,827	3,267	24	37	43	180	3,551	6,378
7am-7pm	9,007	155	620	485	482	10,749	12,709	136	162	376	846	14,229	24,978

Based on 1989 Classification Survey Data

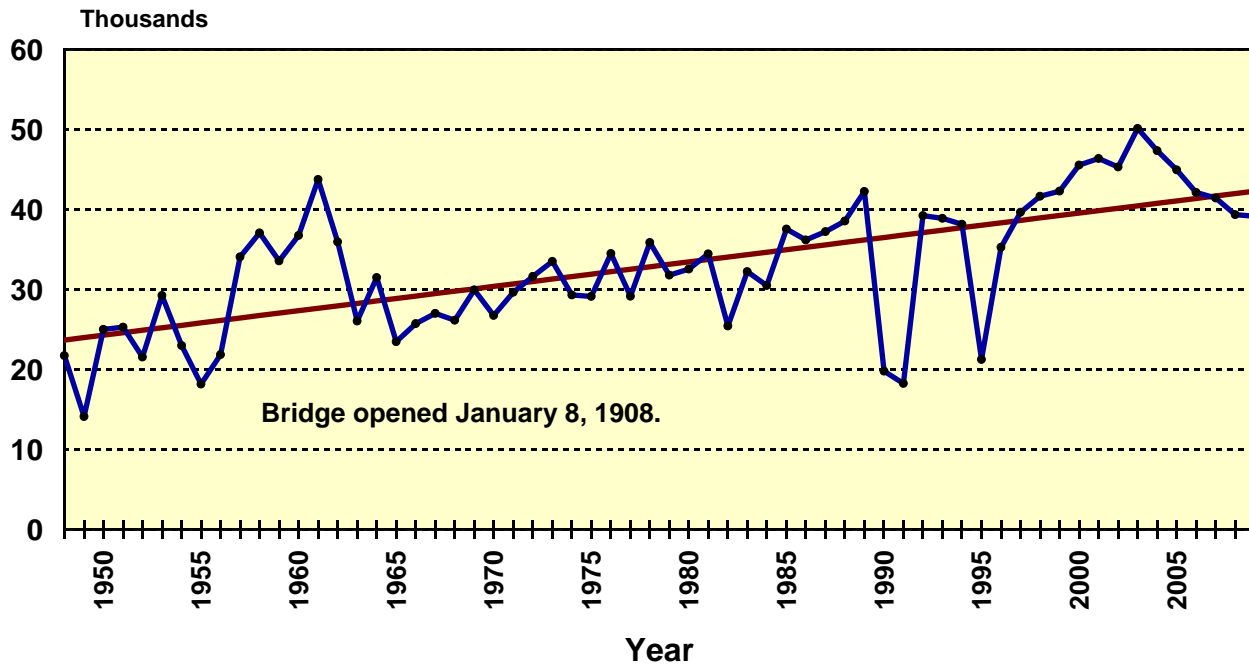
** Peak Volumes

Hourly Vehicular Volumes University Heights Bridge - 2009



Average Daily Traffic Volumes University Heights Bridge

1948-2009 Growth Rate = 1.0%



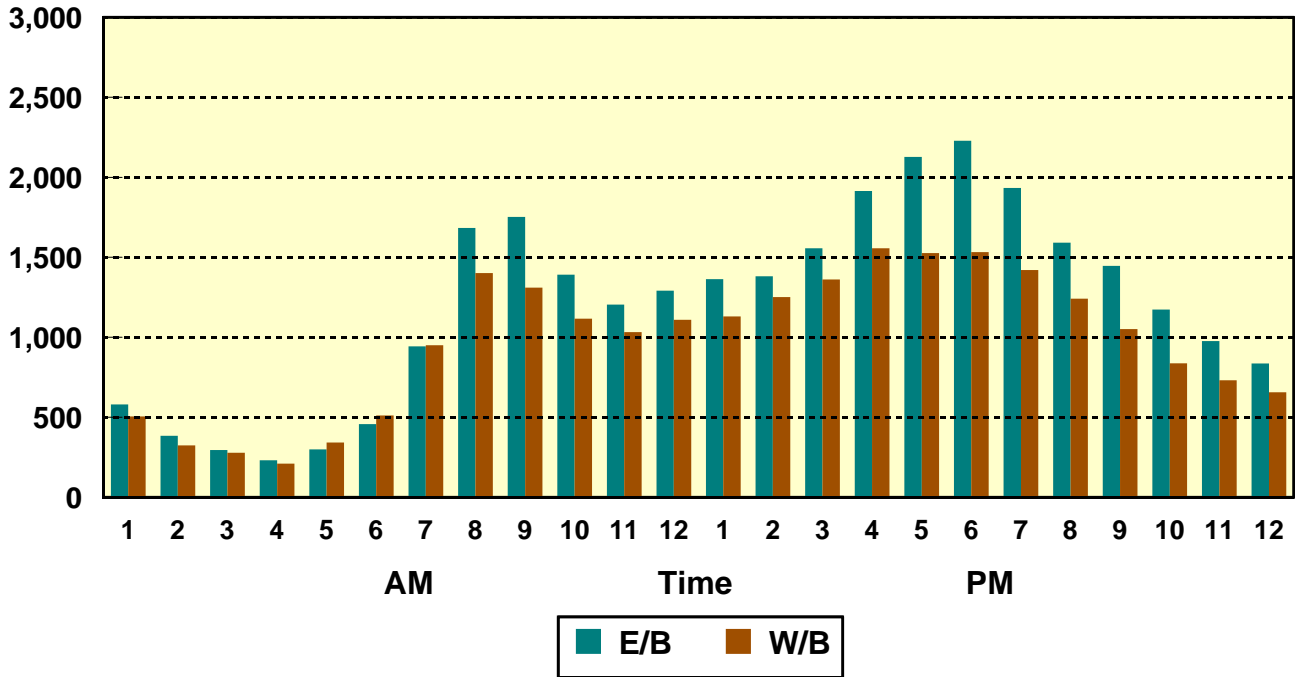
Hourly Vehicular Volumes Washington Bridge - 2009

	<i>Eastbound to Bronx</i>						<i>Westbound to Manhattan</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	580	---	---	---	---	---	505	1,085
1-2am	---	---	---	---	---	384	---	---	---	---	---	324	708
2-3am	---	---	---	---	---	295	---	---	---	---	---	278	573
3-4am	---	---	---	---	---	231	---	---	---	---	---	210	441
4-5am	---	---	---	---	---	299	---	---	---	---	---	342	641
5-6am	---	---	---	---	---	457	---	---	---	---	---	511	968
6-7am	---	---	---	---	---	943	---	---	---	---	---	950	1,893
7-8am	1,442	55	31	50	106	1,684	1,183	55	105	34	24	1,401	3,085
8-9am	1,468	45	27	79	134	1,753	1,105	61	67	50	27	1,310	3,063
9-10am	1,151	38	24	91	87	1,391	971	33	49	37	26	1,116	2,507
10-11am	1,095	32	7	30	40	1,204	942	34	10	25	21	1,032	2,236
11-12am	1,115	27	16	62	71	1,291	966	46	29	31	37	1,109	2,400
12-1pm	1,221	41	18	24	59	1,363	1,058	28	9	20	15	1,130	2,493
1-2pm	1,264	31	5	32	48	1,380	1,170	30	17	19	14	1,250	2,630
2-3pm	1,354	33	25	66	78	1,556	1,176	55	41	50	39	1,361	2,917
3-4pm	1,740	41	12	34	88	1,915	1,403	44	44	44	21	1,556	3,471
4-5pm	1,770	42	54	65	197	2,128	1,300	37	66	80	44	1,527	3,655
5-6pm	1,993	37	55	39	105	2,229	1,391	28	42	32	40	1,533	3,762
6-7pm	1,777	23	32	24	78	1,934	1,287	35	52	18	28	1,420	3,354
7-8pm	---	---	---	---	---	1,592	---	---	---	---	---	1,241	2,833
8-9pm	---	---	---	---	---	1,445	---	---	---	---	---	1,051	2,496
9-10pm	---	---	---	---	---	1,173	---	---	---	---	---	837	2,010
10-11pm	---	---	---	---	---	976	---	---	---	---	---	731	1,707
11-12pm	---	---	---	---	---	836	---	---	---	---	---	656	1,492
Totals	---	---	---	---	---	29,039	---	---	---	---	---	23,381	52,420
7-10am	4,061	138	82	220	327	4,828	3,259	149	221	121	77	3,827	8,655
10am-1pm	3,431	100	41	116	170	3,858	2,966	108	48	76	73	3,271	7,129
1-4pm	4,358	105	42	132	214	4,851	3,749	129	102	113	74	4,167	9,018
4-7pm	5,540	102	141	128	380	6,291	3,978	100	160	130	112	4,480	10,771
7am-7pm	17,390	445	306	596	1,091	19,828	13,952	486	531	440	336	15,745	35,573

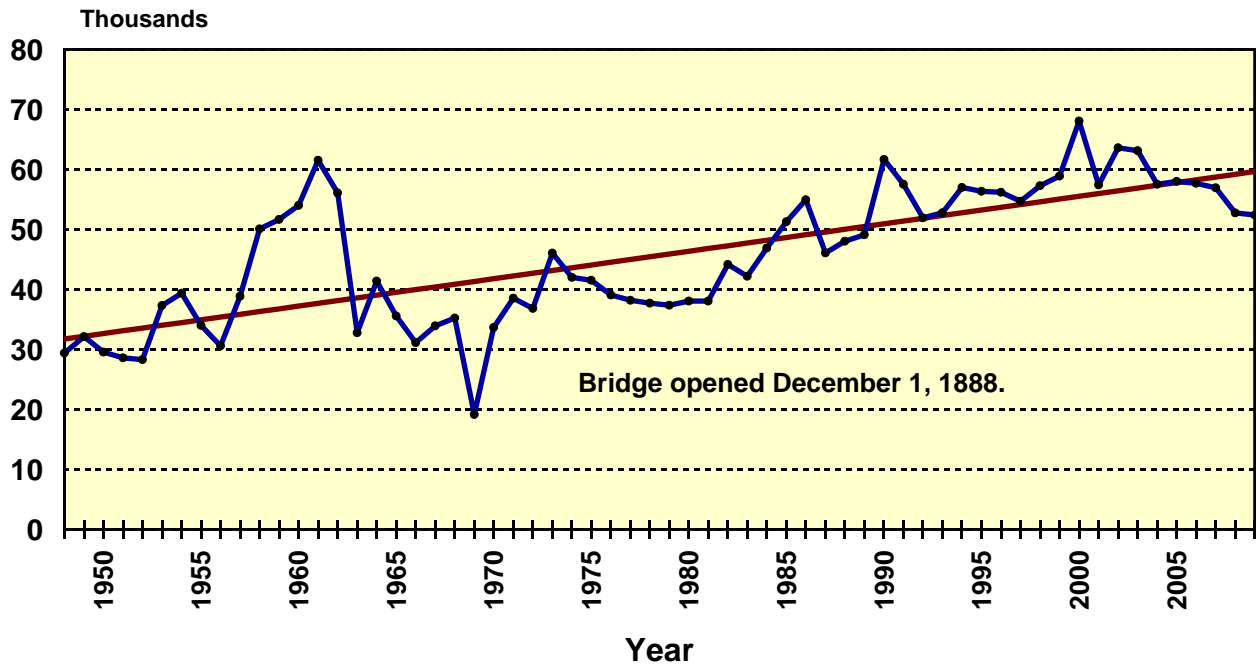
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Washington Bridge - 2009



Average Daily Traffic Volumes Washington Bridge 1948-2009 Growth Rate = 1.0%



Hourly Vehicular Volumes Willis Avenue Bridge - 2009

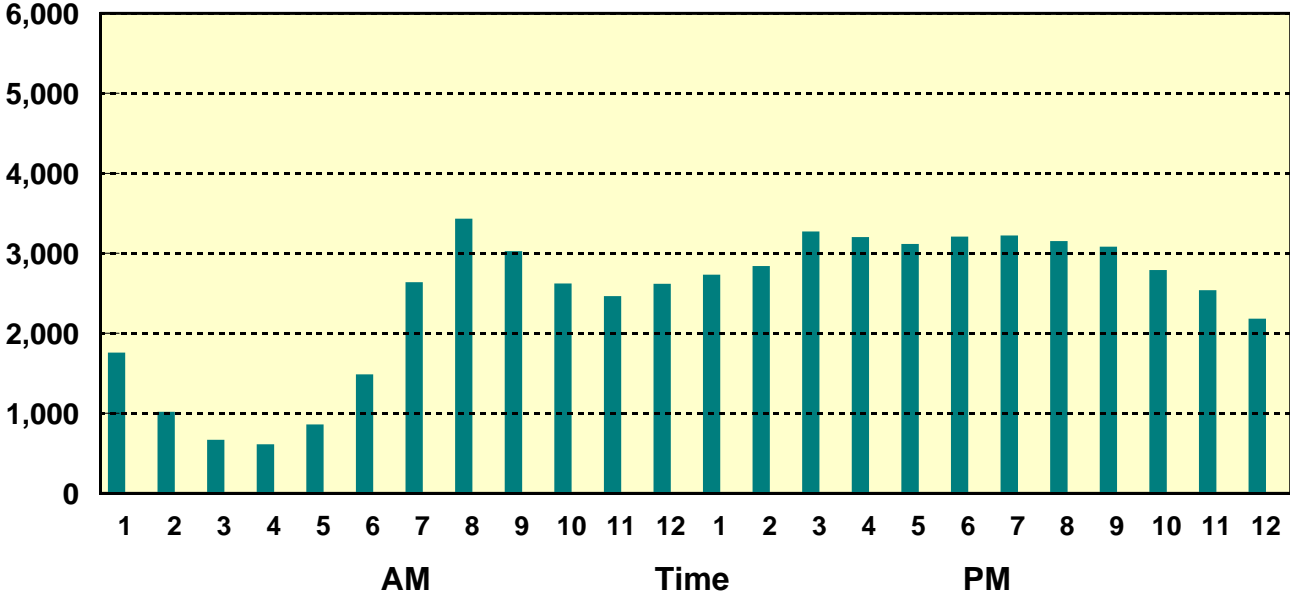
	Northbound to Bronx						Southbound to Manhattan						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	1,758							1,758
1-2am	---	---	---	---	---	1,017							1,017
2-3am	---	---	---	---	---	668							668
3-4am	---	---	---	---	---	613							613
4-5am	---	---	---	---	---	859							859
5-6am	---	---	---	---	---	1,486							1,486
6-7am	---	---	---	---	---	2,637							2,637
7-8am	2,924	87	136	169	118	3,434 **							3,434 **
8-9am	2,442	104	91	176	215	3,028							3,028
9-10am	1,959	115	96	235	217	2,622							2,622
10-11am	2,052	48	66	154	145	2,465							2,465
11-12am	1,935	34	114	278	257	2,618							2,618
12-1pm	2,394	41	51	147	100	2,733							2,733
1-2pm	2,536	23	39	107	134	2,839							2,839
2-3pm	2,424	29	119	349	352	3,273							3,273
3-4pm	2,833	52	49	136	132	3,202							3,202
4-5pm	2,456	28	94	210	330	3,118							3,118
5-6pm	2,610	46	87	145	321	3,209							3,209
6-7pm	2,820	27	86	99	190	3,222							3,222
7-8pm	---	---	---	---	---	3,152							3,152
8-9pm	---	---	---	---	---	3,085							3,085
9-10pm	---	---	---	---	---	2,789							2,789
10-11pm	---	---	---	---	---	2,538							2,538
11-12pm	---	---	---	---	---	2,183							2,183
Totals	---	---	---	---	---	58,548							58,548
7-10am	7,325	306	323	580	550	9,084							9,084
10am-1pm	6,381	123	231	579	502	7,816							7,816
1-4pm	7,793	104	207	592	618	9,314							9,314
4-7pm	7,886	101	267	454	841	9,549							9,549
7am-7pm	29,385	634	1,028	2,205	2,511	35,763							35,763

**Bridge is 1-way northbound
to The Bronx**

Based on 1989 Classification Survey Data

** Peak Volumes

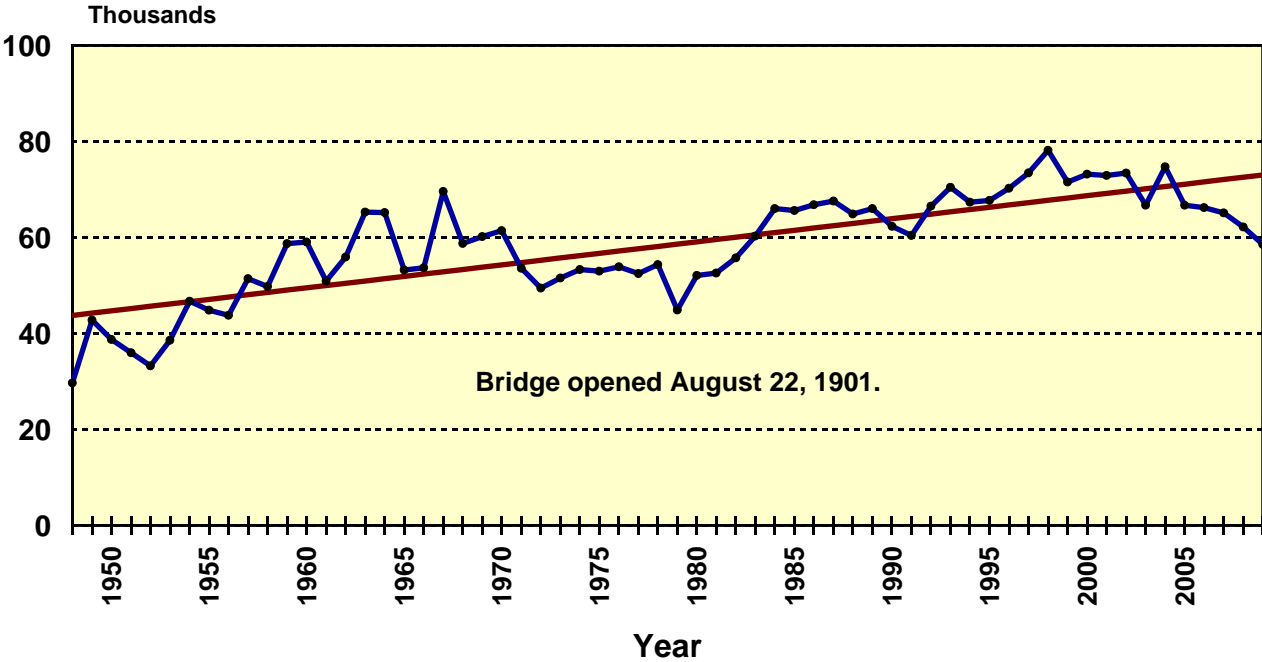
Hourly Vehicular Volumes Willis Avenue Bridge - 2009



Bridge is 1-way northbound to The Bronx

Average Daily Traffic Volumes Willis Avenue Bridge

1948-2009 Growth Rate = 0.8%



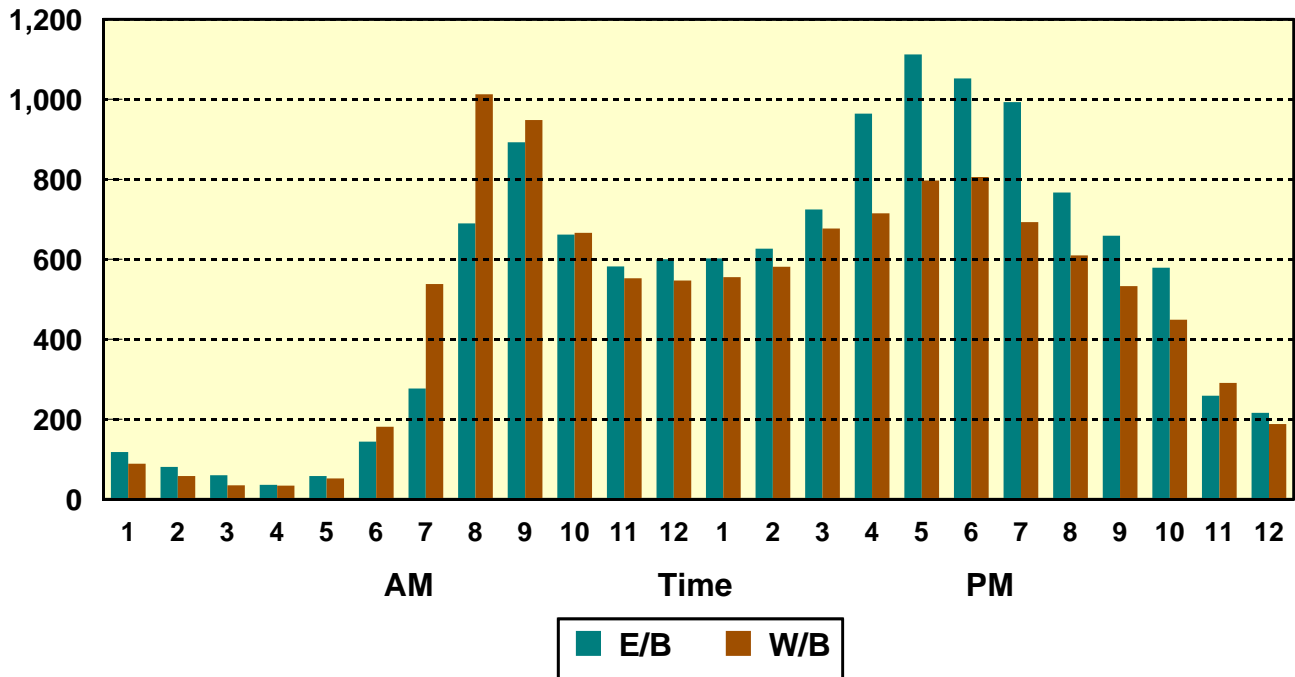
Hourly Vehicular Volumes 145th Street Bridge - 2009

	<i>Eastbound to Bronx</i>						<i>Westbound to Manhattan</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	118	---	---	---	---	---	89	207
1-2am	---	---	---	---	---	81	---	---	---	---	---	58	139
2-3am	---	---	---	---	---	60	---	---	---	---	---	35	95
3-4am	---	---	---	---	---	36	---	---	---	---	---	34	70
4-5am	---	---	---	---	---	58	---	---	---	---	---	52	110
5-6am	---	---	---	---	---	144	---	---	---	---	---	181	325
6-7am	---	---	---	---	---	277	---	---	---	---	---	538	815
7-8am	579	28	37	37	9	690	881	41	18	38	35	1,013 **	1,703
8-9am	744	27	45	49	28	893	812	28	32	27	49	948	1,841
9-10am	534	12	36	57	23	662	534	18	32	25	57	666	1,328
10-11am	510	9	14	24	25	582	440	15	30	23	44	552	1,134
11-12am	456	15	27	62	40	600	405	10	41	42	49	547	1,147
12-1pm	522	11	16	37	16	602	514	10	10	8	13	555	1,157
1-2pm	541	11	31	28	16	627	524	26	10	13	8	581	1,208
2-3pm	546	16	30	93	40	725	566	22	27	25	37	677	1,402
3-4pm	849	22	23	41	29	964	666	26	7	6	10	715	1,679
4-5pm	886	14	58	99	55	1,112 **	739	16	14	8	20	797	1,909 **
5-6pm	858	10	49	71	64	1,052	756	16	13	9	12	806	1,858
6-7pm	865	27	30	23	48	993	655	21	5	3	9	693	1,686
7-8pm	---	---	---	---	---	767	---	---	---	---	---	610	1,377
8-9pm	---	---	---	---	---	659	---	---	---	---	---	533	1,192
9-10pm	---	---	---	---	---	579	---	---	---	---	---	449	1,028
10-11pm	---	---	---	---	---	259	---	---	---	---	---	291	550
11-12pm	---	---	---	---	---	216	---	---	---	---	---	188	404
Totals	---	---	---	---	---	12,756	---	---	---	---	---	11,608	24,364
7-10am	1,857	67	118	143	60	2,245	2,227	87	82	90	141	2,627	4,872
10am-1pm	1,488	35	57	123	81	1,784	1,359	35	81	73	106	1,654	3,438
1-4pm	1,936	49	84	162	85	2,316	1,756	74	44	44	55	1,973	4,289
4-7pm	2,609	51	137	193	167	3,157	2,150	53	32	20	41	2,296	5,453
7am-7pm	7,890	202	396	621	393	9,502	7,492	249	239	227	343	8,550	18,052

Based on 1989 Classification Survey Data

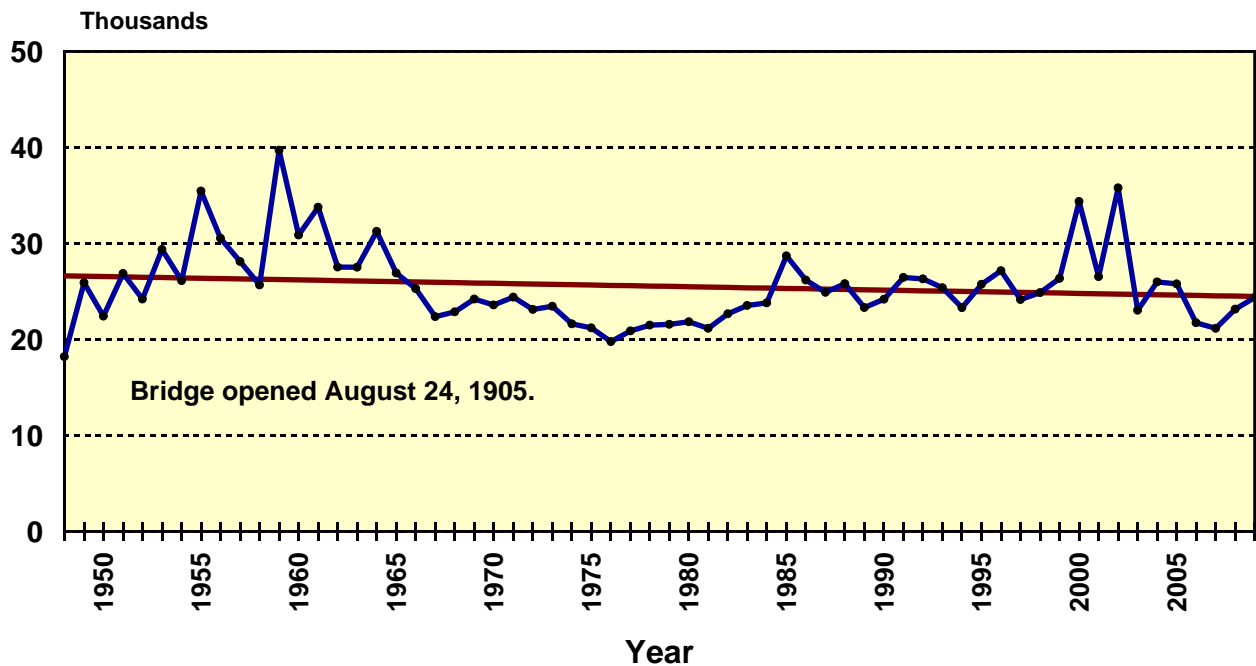
** Peak Volumes

Hourly Vehicular Volumes 145th Street Bridge - 2009

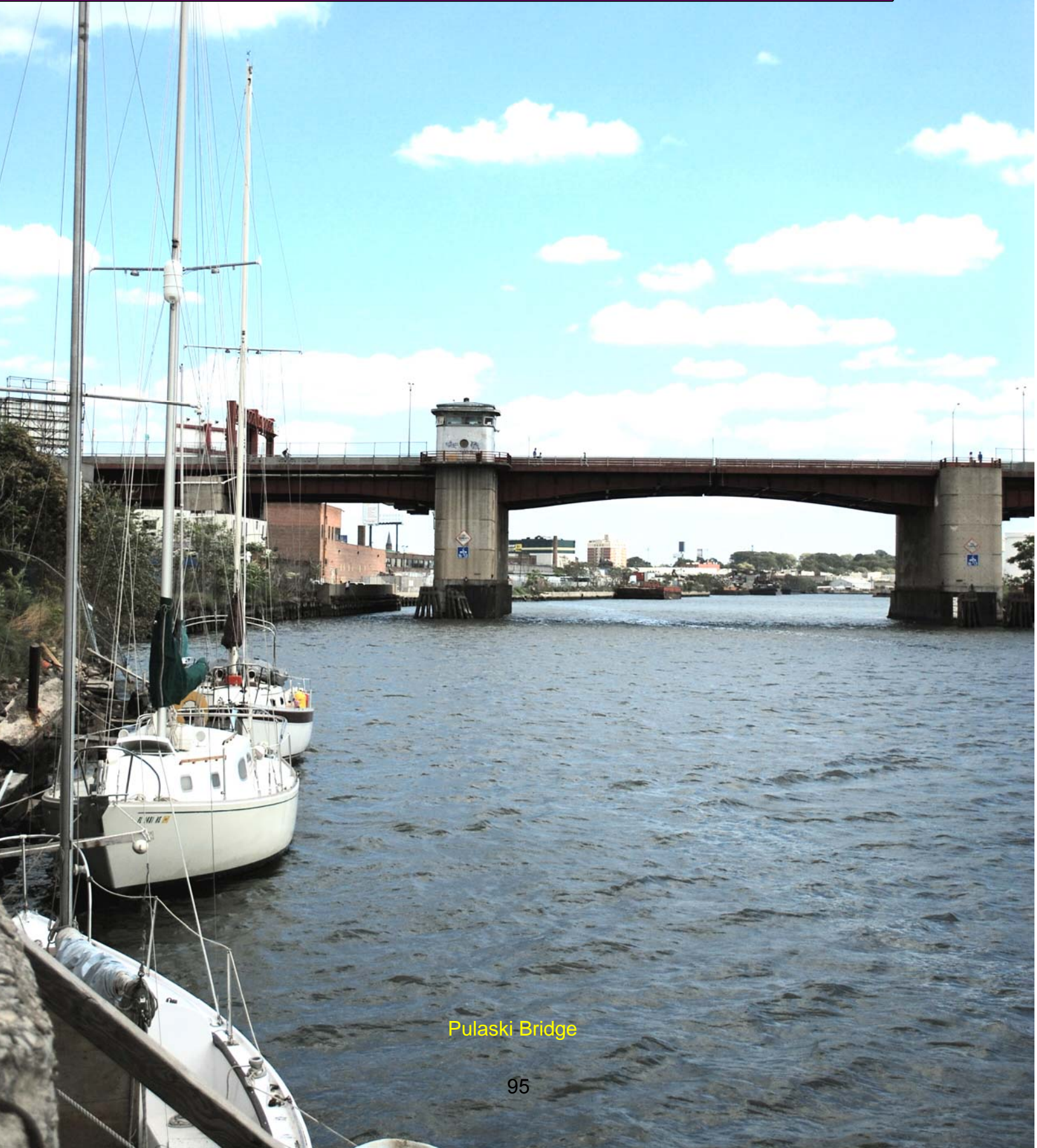


Average Daily Traffic Volumes 145th Street Bridge

1948-2009 Growth Rate = - 0.1%



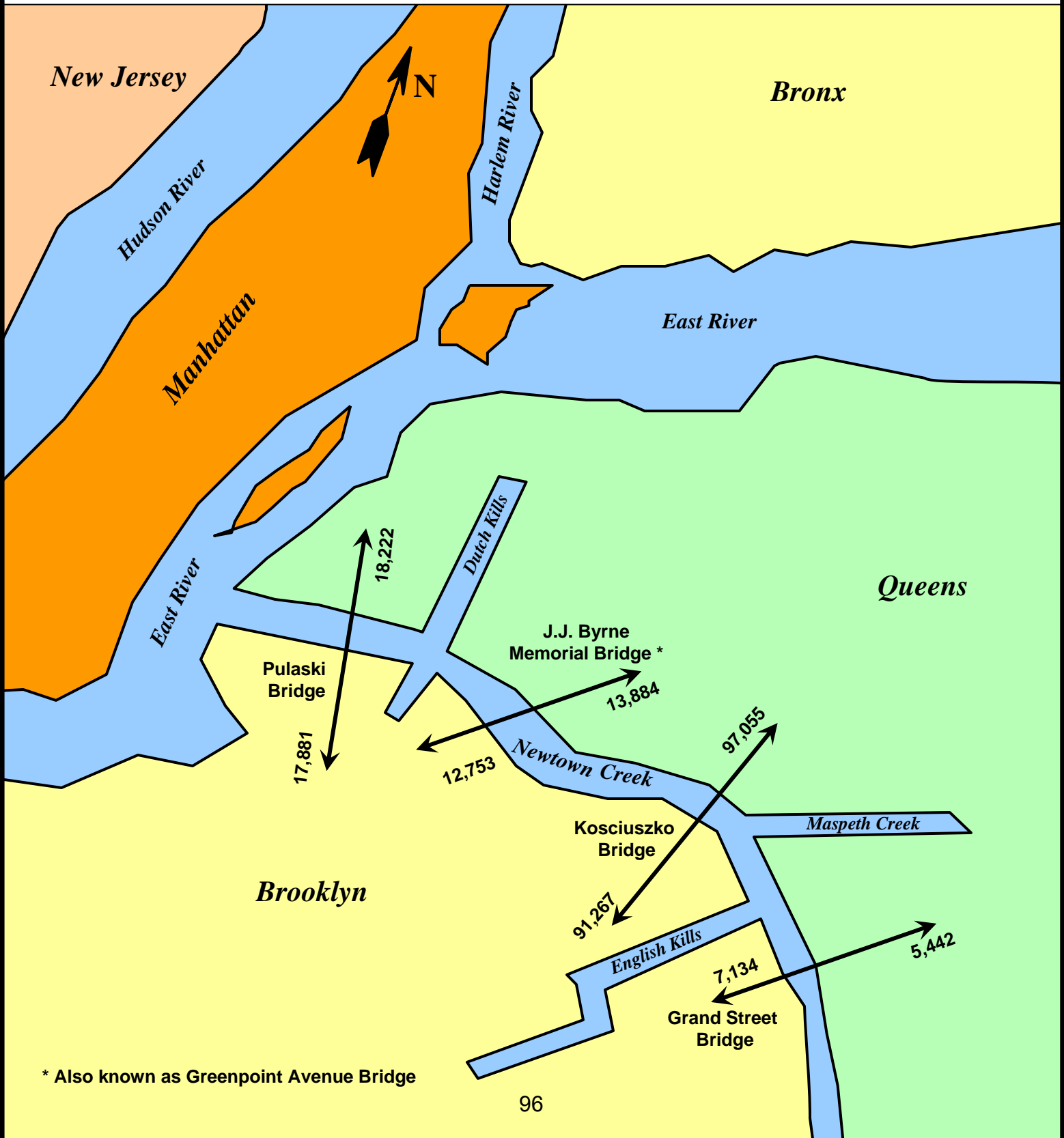
Brooklyn-Queens Bridges



Pulaski Bridge

Brooklyn-Queens Bridges

2009 Daily Volumes



* Also known as Greenpoint Avenue Bridge

Brooklyn - Queens Bridges ~ Average Daily Traffic Volumes

1948 - 2009

Year	Grand Street	Greenpoint Avenue *	Kosciuszko	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
2009	12,576	26,637	188,322	36,103	263,638

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

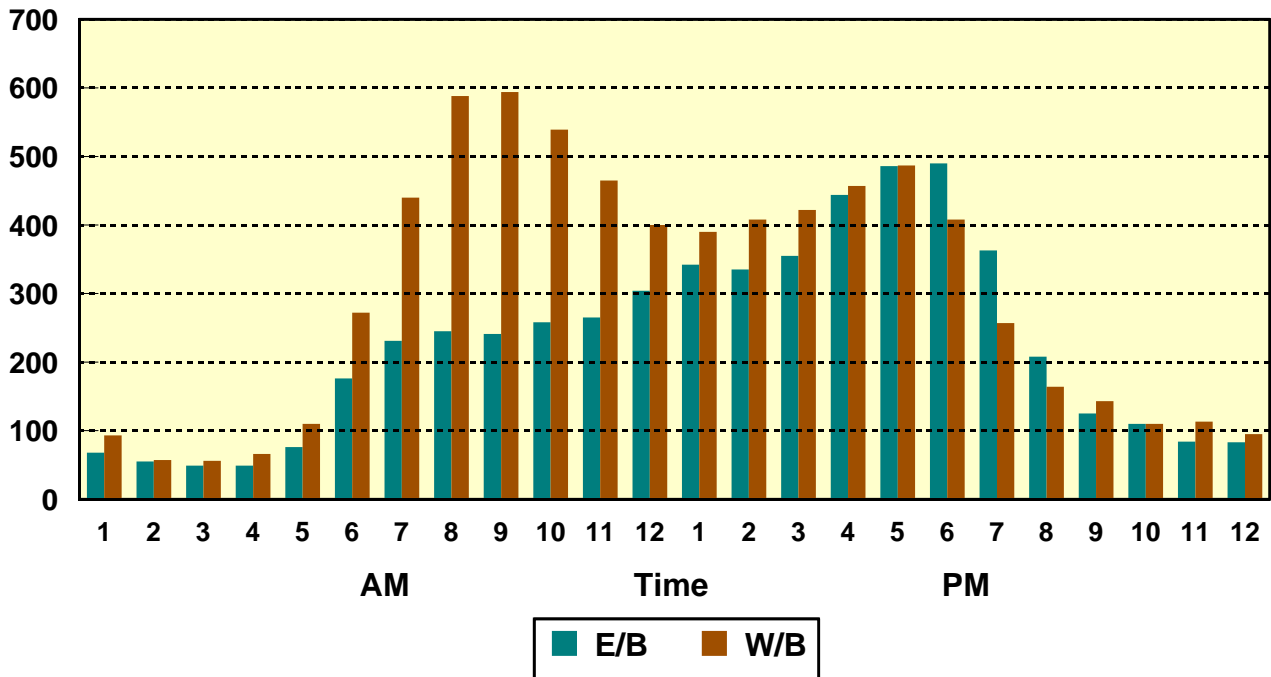
Hourly Vehicular Volumes Grand Street Bridge - 2009

	<i>Eastbound to Queens</i>						<i>Westbound to Brooklyn</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	68	---	---	---	---	---	93	161
1-2am	---	---	---	---	---	55	---	---	---	---	---	57	112
2-3am	---	---	---	---	---	49	---	---	---	---	---	56	105
3-4am	---	---	---	---	---	49	---	---	---	---	---	66	115
4-5am	---	---	---	---	---	76	---	---	---	---	---	110	186
5-6am	---	---	---	---	---	176	---	---	---	---	---	272	448
6-7am	---	---	---	---	---	231	---	---	---	---	---	440	671
7-8am	195	7	6	28	9	245	399	15	29	118	27	588	833
8-9am	157	4	6	60	14	241	330	6	32	173	53	594	835
9-10am	172	12	2	55	17	258	289	9	29	166	46	539	797
10-11am	192	3	3	44	23	265	356	11	12	67	19	465	730
11-12am	165	6	10	93	30	304	250	5	24	95	26	400	704
12-1pm	286	9	3	35	9	342	316	9	13	41	11	390	732
1-2pm	263	5	8	45	14	335	296	13	23	61	15	408	743
2-3pm	220	9	10	86	30	355	223	5	29	131	34	422	777
3-4pm	381	8	4	43	8	444	357	15	10	63	12	457	901
4-5pm	391	13	13	50	19	486	358	9	25	74	21	487	973
5-6pm	395	7	10	56	22	490	313	4	19	57	15	408	898
6-7pm	288	5	7	49	14	363	214	5	12	23	3	257	620
7-8pm	---	---	---	---	---	208	---	---	---	---	---	164	372
8-9pm	---	---	---	---	---	125	---	---	---	---	---	143	268
9-10pm	---	---	---	---	---	110	---	---	---	---	---	110	220
10-11pm	---	---	---	---	---	84	---	---	---	---	---	113	197
11-12pm	---	---	---	---	---	83	---	---	---	---	---	95	178
Totals	---	---	---	---	---	5,442	---	---	---	---	---	7,134	12,576
7-10am	524	23	14	143	40	744	1,018	30	90	457	126	1,721	2,465
10am-1pm	643	18	16	172	62	911	922	25	49	203	56	1,255	2,166
1-4pm	864	22	22	174	52	1,134	876	33	62	255	61	1,287	2,421
4-7pm	1,074	25	30	155	55	1,339	885	18	56	154	39	1,152	2,491
7am-7pm	3,105	88	82	644	209	4,128	3,701	106	257	1,069	282	5,415	9,543

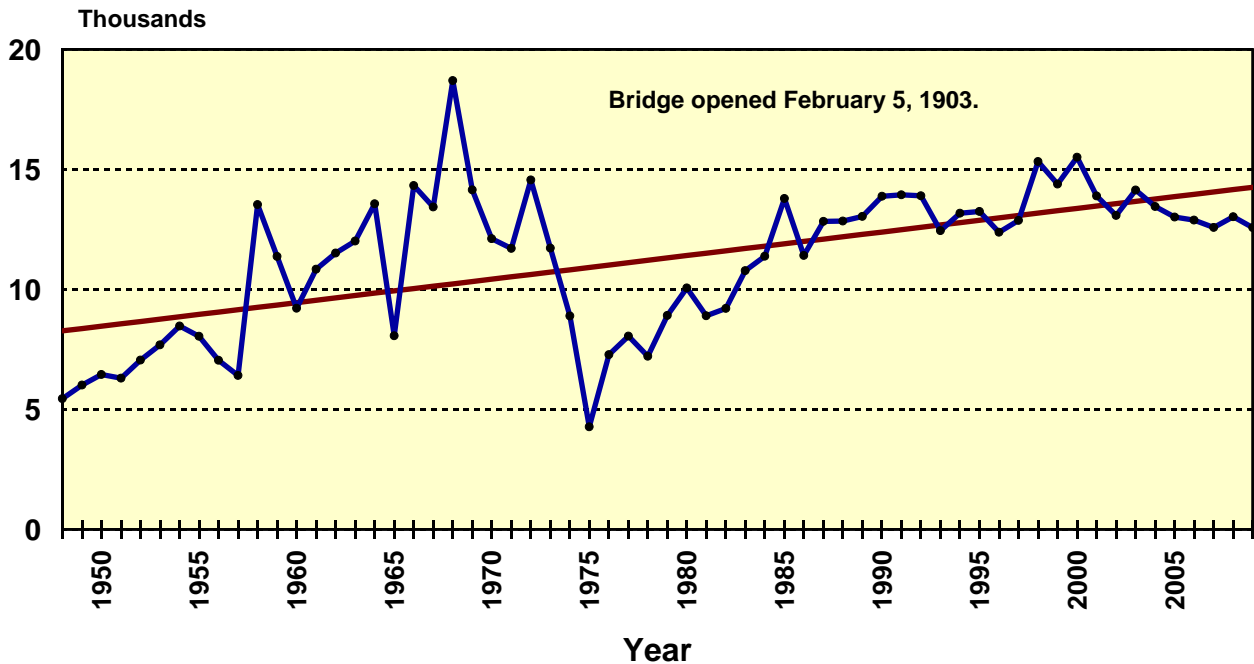
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Grand Street Bridge - 2009



Average Daily Traffic Volumes Grand Street Bridge 1948-2009 Growth Rate = 0.9%



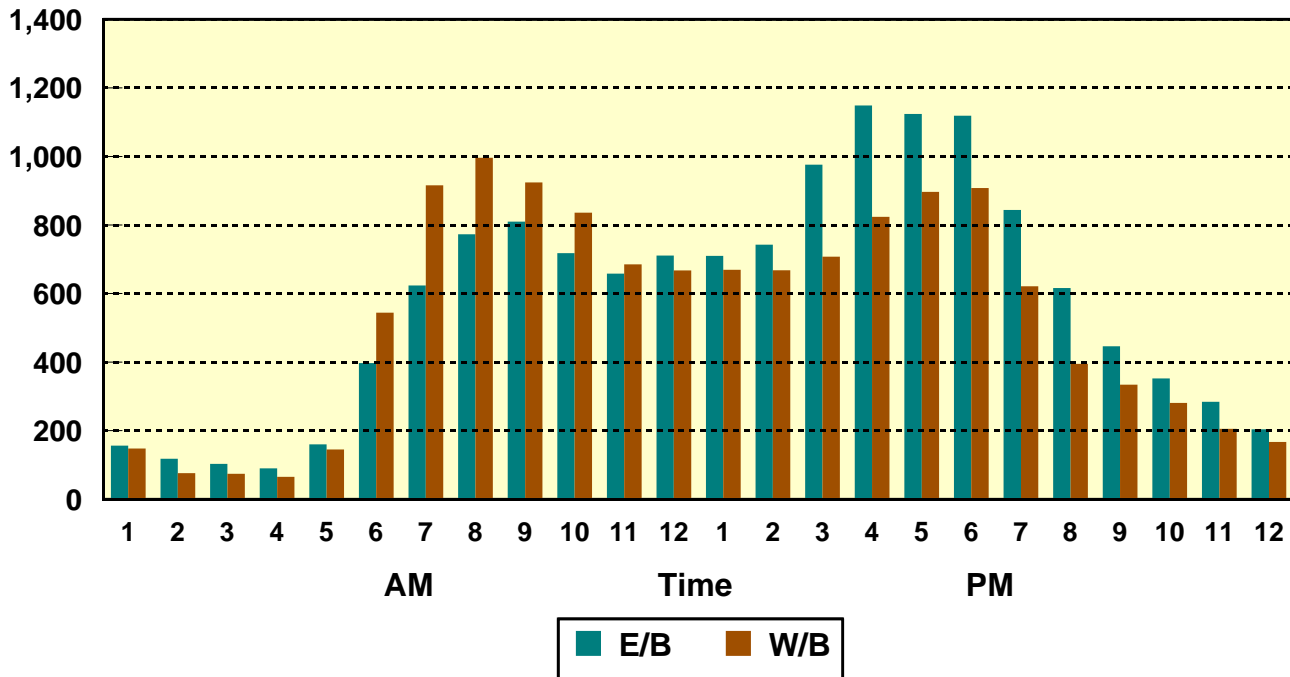
**Hourly Vehicular Volumes
Greenpoint Avenue Bridge - 2009
(J.J. Byrne Memorial Bridge)**

	<i>Eastbound to Queens</i>						<i>Westbound to Brooklyn</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	156	---	---	---	---	---	148	304
1-2am	---	---	---	---	---	118	---	---	---	---	---	76	194
2-3am	---	---	---	---	---	103	---	---	---	---	---	74	177
3-4am	---	---	---	---	---	90	---	---	---	---	---	65	155
4-5am	---	---	---	---	---	160	---	---	---	---	---	145	305
5-6am	---	---	---	---	---	397	---	---	---	---	---	544	941
6-7am	---	---	---	---	---	623	---	---	---	---	---	916	1,539
7-8am	578	11	19	124	41	773	655	10	51	200	80	996 **	1,769
8-9am	525	15	24	200	46	810	625	11	31	178	79	924	1,734
9-10am	405	7	27	209	70	718	415	13	51	250	107	836	1,554
10-11am	535	3	7	78	35	658	475	4	24	136	46	685	1,343
11-12am	428	11	18	179	75	711	303	5	18	220	121	667	1,378
12-1pm	584	3	12	83	28	710	466	5	26	114	58	669	1,379
1-2pm	610	11	15	86	21	743	462	15	36	115	40	668	1,411
2-3pm	643	7	28	201	97	976	164	10	87	324	123	708	1,684
3-4pm	994	10	11	95	39	1,149 **	671	6	23	96	28	824	1,973
4-5pm	846	13	37	141	87	1,124	704	9	31	105	48	897	2,021
5-6pm	866	9	34	134	76	1,119	707	9	53	78	61	908	2,027 **
6-7pm	666	14	19	85	60	844	488	14	21	60	38	621	1,465
7-8pm	---	---	---	---	---	616	---	---	---	---	---	395	1,011
8-9pm	---	---	---	---	---	446	---	---	---	---	---	334	780
9-10pm	---	---	---	---	---	352	---	---	---	---	---	281	633
10-11pm	---	---	---	---	---	284	---	---	---	---	---	205	489
11-12pm	---	---	---	---	---	204	---	---	---	---	---	167	371
Totals	---	---	---	---	---	13,884	---	---	---	---	---	12,753	26,637
7-10am	1,508	33	70	533	157	2,301	1,695	34	133	628	266	2,756	5,057
10am-1pm	1,547	17	37	340	138	2,079	1,244	14	68	470	225	2,021	4,100
1-4pm	2,247	28	54	382	157	2,868	1,297	31	146	535	191	2,200	5,068
4-7pm	2,378	36	90	360	223	3,087	1,899	32	105	243	147	2,426	5,513
7am-7pm	7,680	114	251	1,615	675	10,335	6,135	111	452	1,876	829	9,403	19,738

Based on 1989 Classification Survey Data

** Peak Volumes

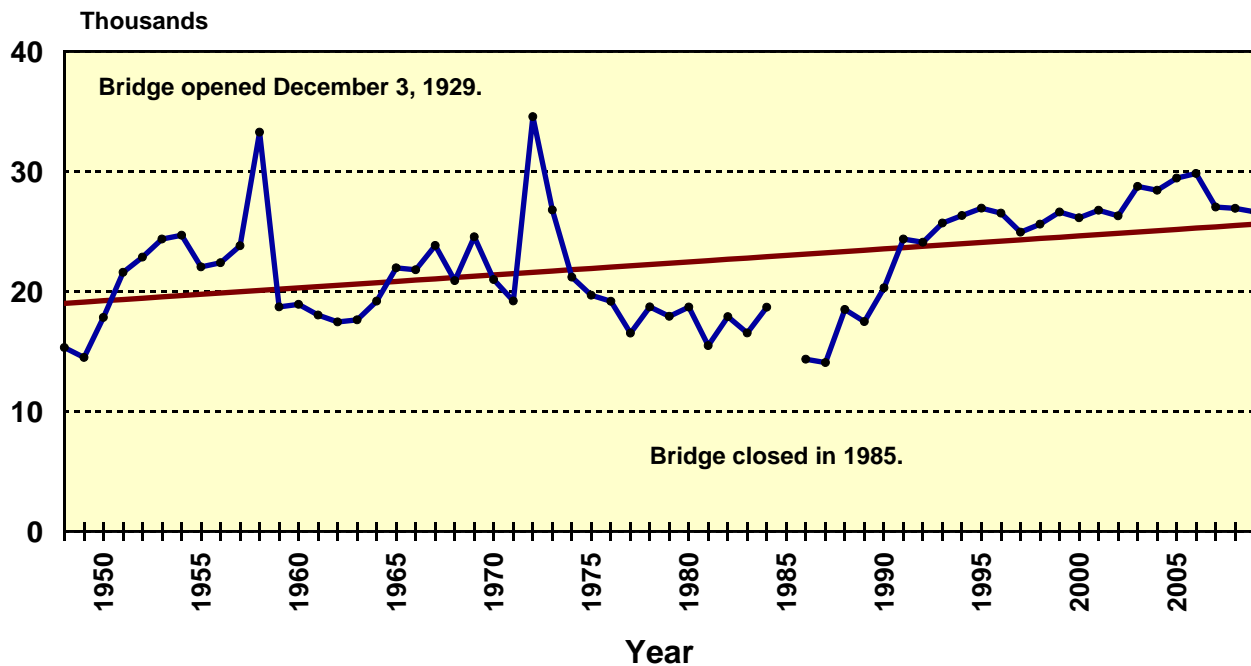
Hourly Vehicular Volumes Greenpoint Avenue Bridge - 2009



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

Average Daily Traffic Volumes Greenpoint Avenue Bridge

1948-2009 Growth Rate = 0.5%



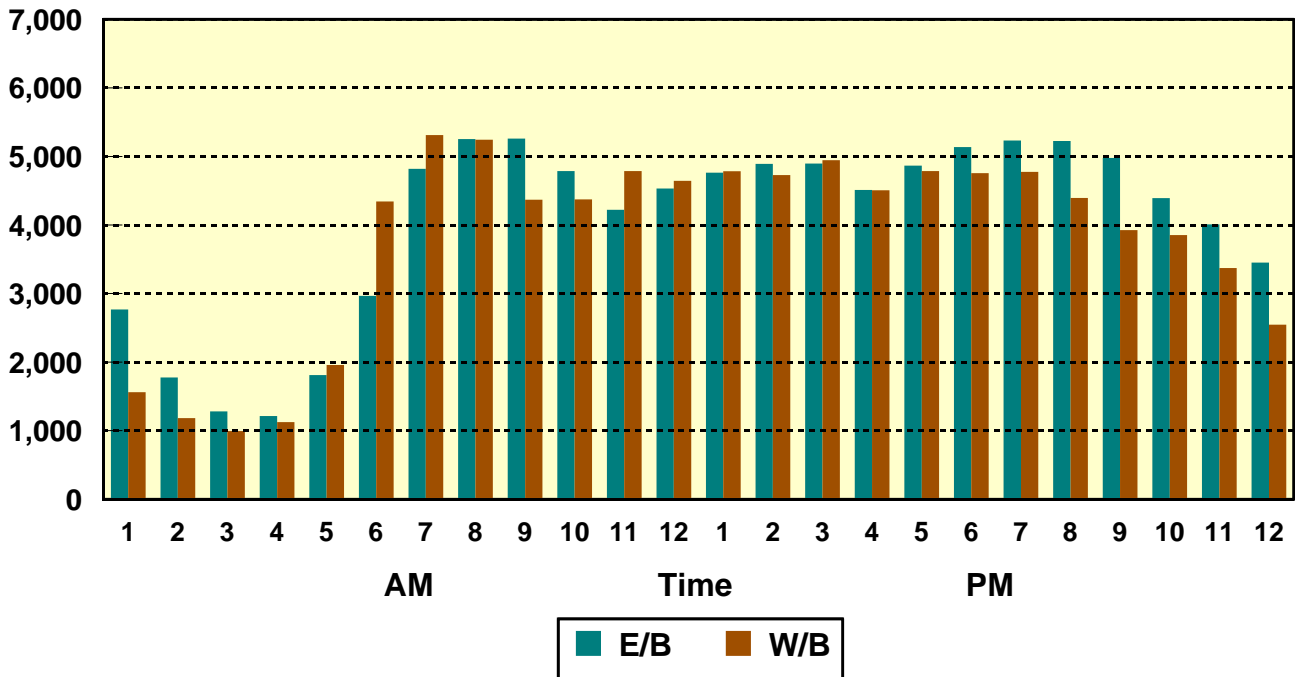
Hourly Vehicular Volumes Kosciuszko Bridge - 2009

	<i>Eastbound to Queens</i>						<i>Westbound to Brooklyn</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	2,767	---	---	---	---	---	1,561	4,328
1-2am	---	---	---	---	---	1,775	---	---	---	---	---	1,183	2,958
2-3am	---	---	---	---	---	1,280	---	---	---	---	---	992	2,272
3-4am	---	---	---	---	---	1,213	---	---	---	---	---	1,124	2,337
4-5am	---	---	---	---	---	1,812	---	---	---	---	---	1,957	3,769
5-6am	---	---	---	---	---	2,966	---	---	---	---	---	4,342	7,308
6-7am	---	---	---	---	---	4,819	---	---	---	---	---	5,312 **	10,131
7-8am	4,332	57	117	454	294	5,254	4,483	13	60	355	335	5,246	10,500 **
8-9am	4,308	20	137	478	318	5,261 **	3,675	12	31	348	304	4,370	9,631
9-10am	3,882	39	112	425	328	4,786	3,519	13	55	459	328	4,374	9,160
10-11am	3,666	20	102	244	191	4,223	4,321	7	36	255	167	4,786	9,009
11-12am	3,369	11	182	564	408	4,534	3,694	7	71	570	303	4,645	9,179
12-1pm	4,223	11	72	270	189	4,765	4,202	8	72	335	168	4,785	9,550
1-2pm	3,799	38	119	512	426	4,894	3,641	10	86	594	396	4,727	9,621
2-3pm	3,790	20	161	490	436	4,897	3,873	15	79	578	401	4,946	9,843
3-4pm	4,140	14	67	96	196	4,513	4,093	17	22	218	158	4,508	9,021
4-5pm	4,129	22	117	212	386	4,866	4,107	16	66	330	267	4,786	9,652
5-6pm	4,443	18	87	313	277	5,138	4,090	8	47	316	296	4,757	9,895
6-7pm	4,755	11	77	107	284	5,234	4,255	8	18	215	279	4,775	10,009
7-8pm	---	---	---	---	---	5,225	---	---	---	---	---	4,395	9,620
8-9pm	---	---	---	---	---	4,978	---	---	---	---	---	3,926	8,904
9-10pm	---	---	---	---	---	4,394	---	---	---	---	---	3,853	8,247
10-11pm	---	---	---	---	---	4,010	---	---	---	---	---	3,370	7,380
11-12pm	---	---	---	---	---	3,451	---	---	---	---	---	2,547	5,998
Totals	---	---	---	---	---	97,055	---	---	---	---	---	91,267	188,322
7-10am	12,522	116	366	1,357	940	15,301	11,677	38	146	1,162	967	13,990	29,291
10am-1pm	11,258	42	356	1,078	788	13,522	12,217	22	179	1,160	638	14,216	27,738
1-4pm	11,729	72	347	1,098	1,058	14,304	11,607	42	187	1,390	955	14,181	28,485
4-7pm	13,327	51	281	632	947	15,238	12,452	32	131	861	842	14,318	29,556
7am-7pm	48,836	281	1,350	4,165	3,733	58,365	47,953	134	643	4,573	3,402	56,705	115,070

Based on 1989 Classification Survey Data

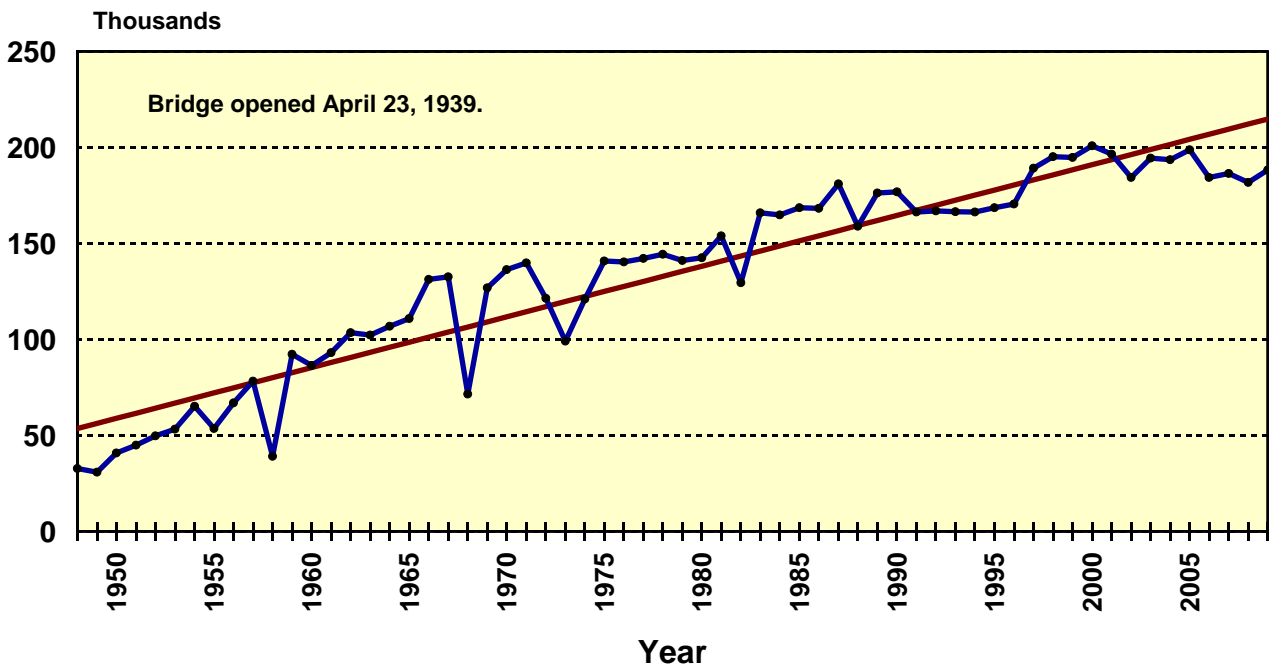
** Peak Volumes

Hourly Vehicular Volumes Kosciuszko Bridge - 2009



Average Daily Traffic Volumes Kosciuszko Bridge

1948-2009 Growth Rate = 2.3%



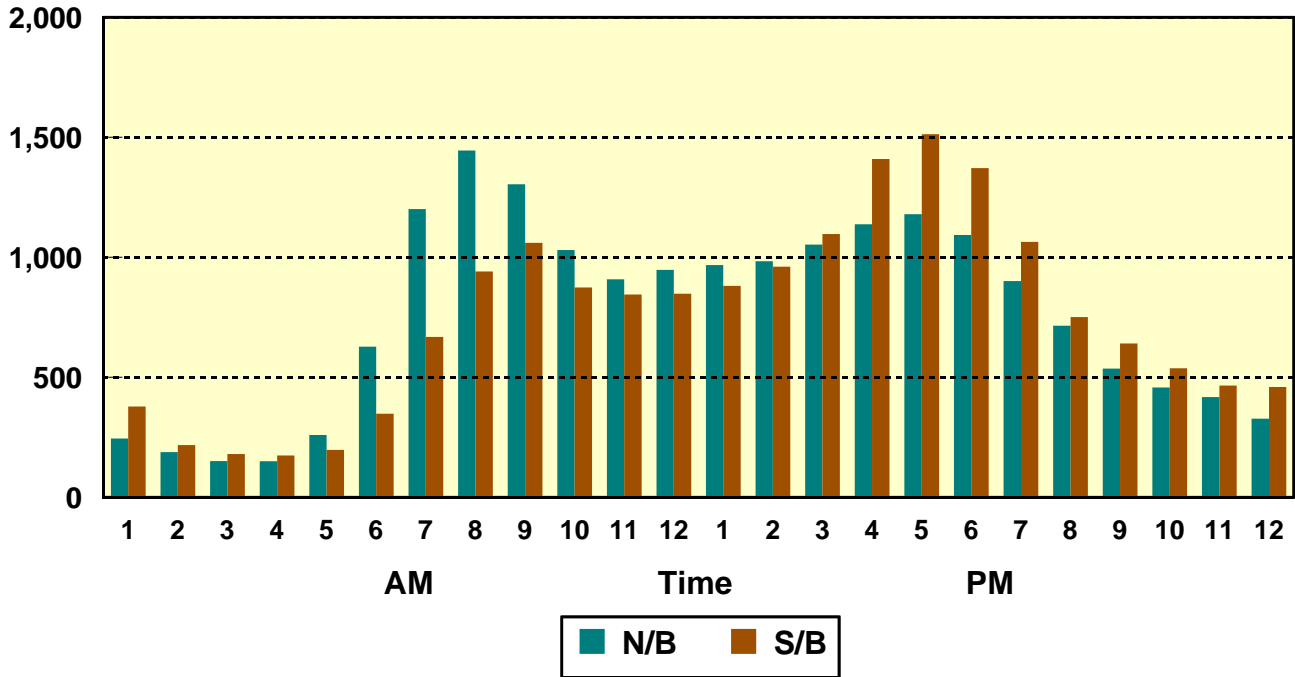
Hourly Vehicular Volumes Pulaski Bridge - 2009

	Northbound to Queens						Southbound to Brooklyn						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	245	---	---	---	---	---	378	623
1-2am	---	---	---	---	---	188	---	---	---	---	---	217	405
2-3am	---	---	---	---	---	151	---	---	---	---	---	180	331
3-4am	---	---	---	---	---	150	---	---	---	---	---	174	324
4-5am	---	---	---	---	---	259	---	---	---	---	---	197	456
5-6am	---	---	---	---	---	627	---	---	---	---	---	348	975
6-7am	---	---	---	---	---	1,201	---	---	---	---	---	668	1,869
7-8am	1,068	23	50	163	141	1,445 **	624	13	25	174	105	941	2,386
8-9am	944	16	37	175	133	1,305	674	13	34	189	150	1,060	2,365
9-10am	653	15	41	189	132	1,030	531	15	24	172	132	874	1,904
10-11am	696	12	22	103	75	908	670	10	18	87	60	845	1,753
11-12am	529	11	42	215	150	947	484	13	34	192	125	848	1,795
12-1pm	753	9	19	106	80	967	708	11	15	91	56	881	1,848
1-2pm	738	20	26	116	83	983	760	20	28	99	54	961	1,944
2-3pm	642	17	37	204	153	1,053	652	14	36	288	107	1,097	2,150
3-4pm	926	20	16	100	76	1,138	1,166	20	27	113	84	1,410	2,548
4-5pm	887	10	38	113	132	1,180	1,159	11	47	161	135	1,513 **	2,693 **
5-6pm	899	8	41	40	105	1,093	1,128	9	31	100	104	1,372	2,465
6-7pm	712	12	34	58	84	900	894	10	23	64	73	1,064	1,964
7-8pm	---	---	---	---	---	715	---	---	---	---	---	751	1,466
8-9pm	---	---	---	---	---	536	---	---	---	---	---	641	1,177
9-10pm	---	---	---	---	---	457	---	---	---	---	---	537	994
10-11pm	---	---	---	---	---	417	---	---	---	---	---	465	882
11-12pm	---	---	---	---	---	327	---	---	---	---	---	459	786
Totals	---	---	---	---	---	18,222	---	---	---	---	---	17,881	36,103
7-10am	2,665	54	128	527	406	3,780	1,829	41	83	535	387	2,875	6,655
10am-1pm	1,978	32	83	424	305	2,822	1,862	34	67	370	241	2,574	5,396
1-4pm	2,306	57	79	420	312	3,174	2,578	54	91	500	245	3,468	6,642
4-7pm	2,498	30	113	211	321	3,173	3,181	30	101	325	312	3,949	7,122
7am-7pm	9,447	173	403	1,582	1,344	12,949	9,450	159	342	1,730	1,185	12,866	25,815

Based on 1989 Classification Survey Data

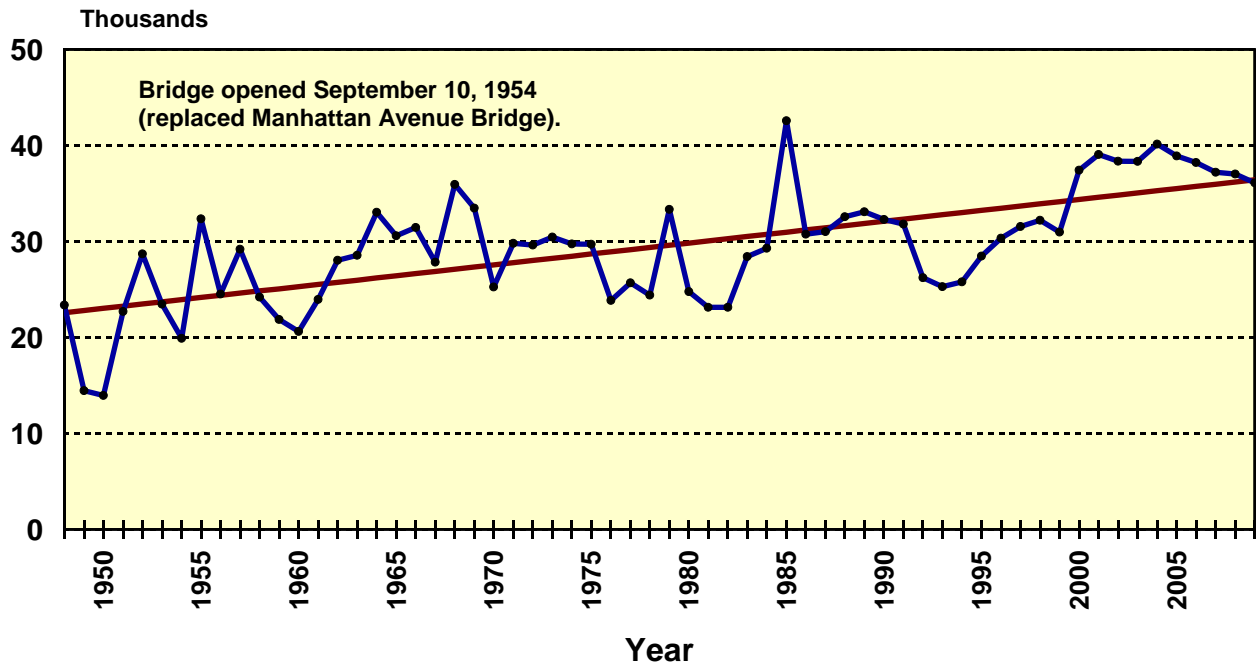
** Peak Volumes

Hourly Vehicular Volumes Pulaski Bridge - 2009

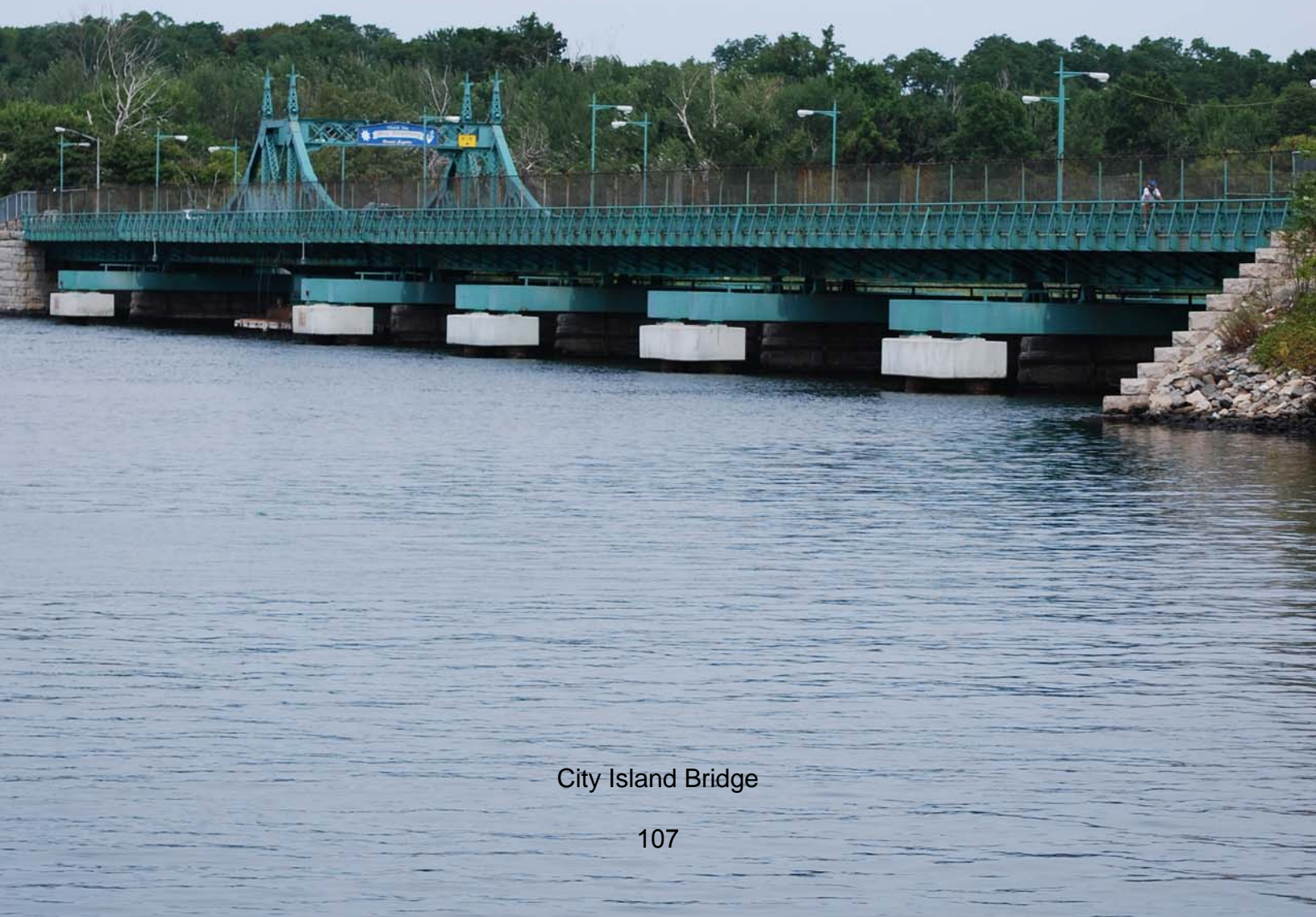


Average Daily Traffic Volumes Pulaski Bridge

1948-2009 Growth Rate = 0.8%



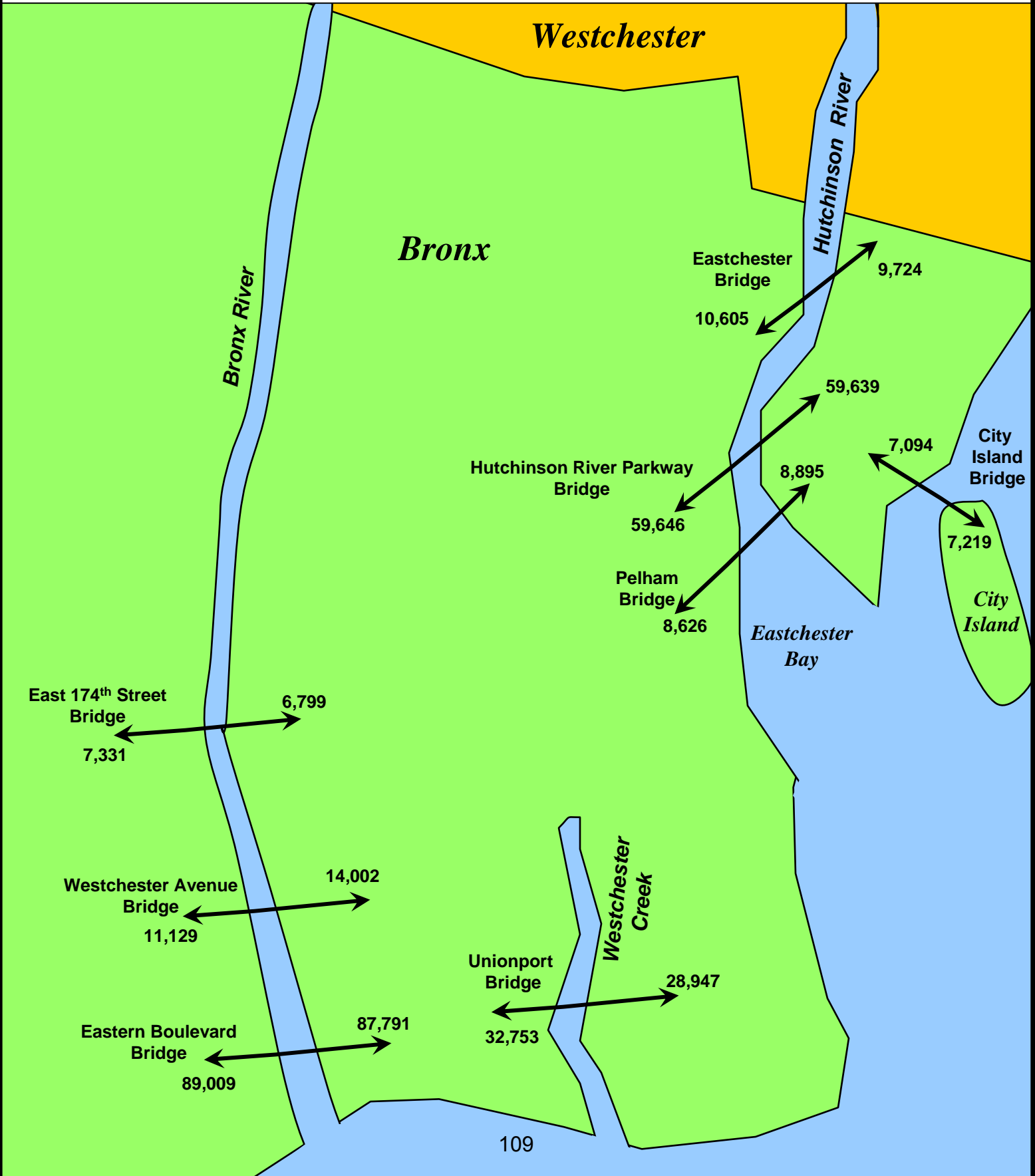
Bronx Bridges



City Island Bridge

Bronx Bridges

2009 Daily Volumes



Bronx Bridges
Average Daily Traffic Volumes
1948 - 2009

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
2009	14,313	14,130	20,329	176,800	119,285

Bronx Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2009

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

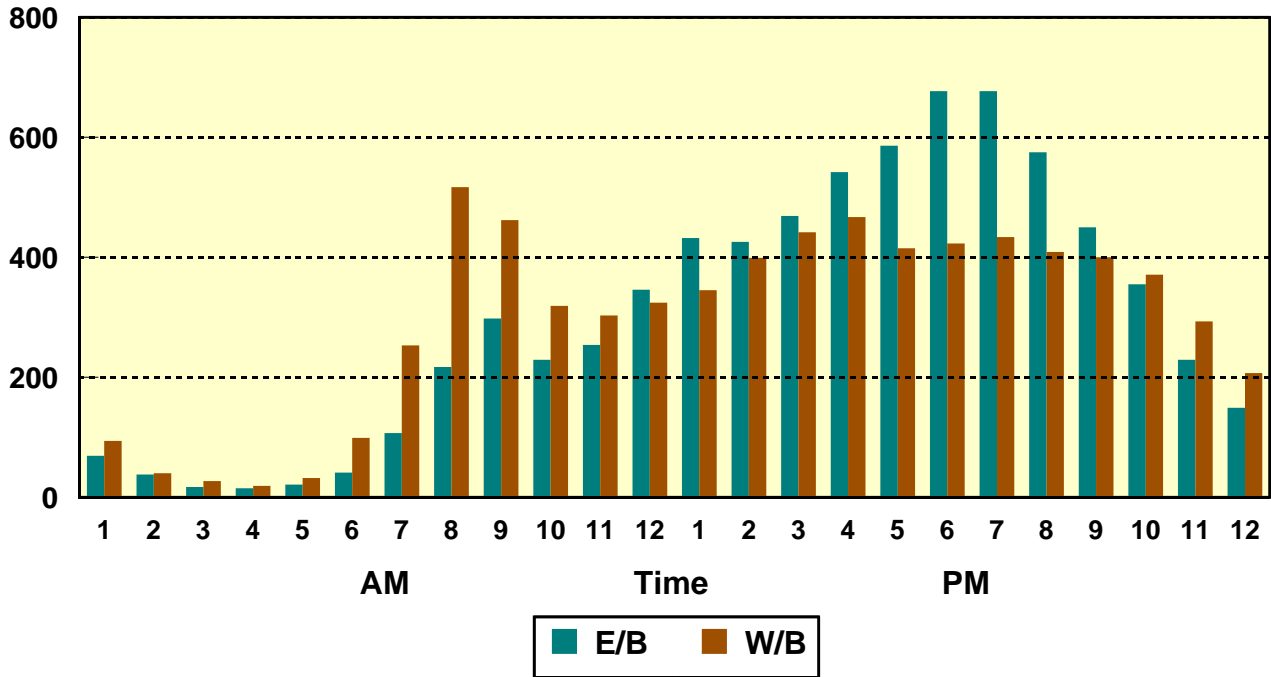
Hourly Vehicular Volumes City Island Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	69	---	---	---	---	---	94	163
1-2am	---	---	---	---	---	38	---	---	---	---	---	40	78
2-3am	---	---	---	---	---	17	---	---	---	---	---	27	44
3-4am	---	---	---	---	---	15	---	---	---	---	---	19	34
4-5am	---	---	---	---	---	21	---	---	---	---	---	32	53
5-6am	---	---	---	---	---	41	---	---	---	---	---	99	140
6-7am	---	---	---	---	---	107	---	---	---	---	---	253	360
7-8am	181	7	10	4	15	217	468	10	0	19	20	517 **	734
8-9am	233	13	11	7	34	298	403	14	0	14	31	462	760
9-10am	191	4	4	6	24	229	288	4	0	9	18	319	548
10-11am	237	0	4	6	7	254	290	3	1	7	2	303	557
11-12am	295	5	9	6	31	346	313	6	0	2	3	324	670
12-1pm	399	2	8	3	20	432	331	8	0	4	2	345	777
1-2pm	398	2	1	6	19	426	374	2	0	5	18	399	825
2-3pm	393	9	12	18	37	469	381	10	2	20	29	442	911
3-4pm	507	10	6	7	12	542	439	14	0	5	9	467	1,009
4-5pm	511	2	22	10	41	586	383	2	0	7	23	415	1,001
5-6pm	627	7	12	8	23	677 **	394	4	0	9	16	423	1,100
6-7pm	639	5	6	10	17	677 **	411	6	0	7	10	434	1,111 **
7-8pm	---	---	---	---	---	575	---	---	---	---	---	409	984
8-9pm	---	---	---	---	---	450	---	---	---	---	---	400	850
9-10pm	---	---	---	---	---	355	---	---	---	---	---	371	726
10-11pm	---	---	---	---	---	229	---	---	---	---	---	293	522
11-12pm	---	---	---	---	---	149	---	---	---	---	---	207	356
Totals	---	---	---	---	---	7,219	---	---	---	---	---	7,094	14,313
7-10am	605	24	25	17	73	744	1,159	28	0	42	69	1,298	2,042
10am-1pm	931	7	21	15	58	1,032	934	17	1	13	7	972	2,004
1-4pm	1,298	21	19	31	68	1,437	1,194	26	2	30	56	1,308	2,745
4-7pm	1,777	14	40	28	81	1,940	1,188	12	0	23	49	1,272	3,212
7am-7pm	4,611	66	105	91	280	5,153	4,475	83	3	108	181	4,850	10,003

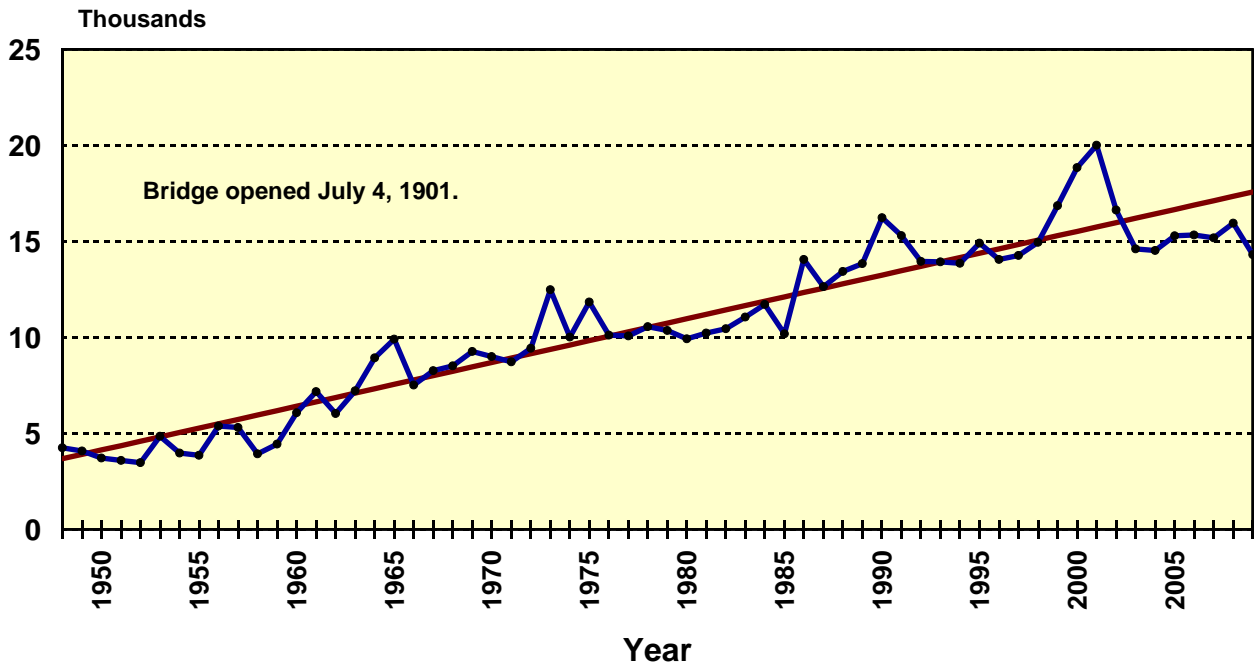
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes City Island Bridge - 2009



Average Daily Traffic Volumes City Island Bridge 1948-2009 Growth Rate = 2.6%



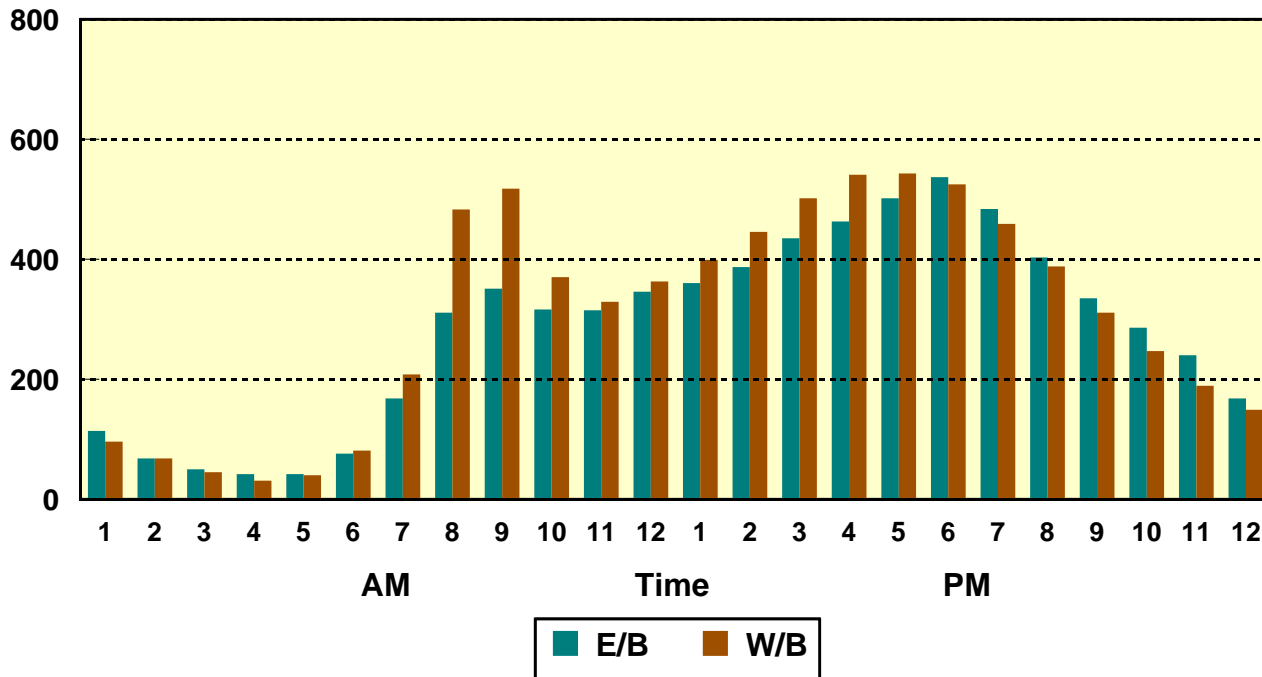
Hourly Vehicular Volumes East 174th Street Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	114	---	---	---	---	---	96	210
1-2am	---	---	---	---	---	68	---	---	---	---	---	68	136
2-3am	---	---	---	---	---	50	---	---	---	---	---	45	95
3-4am	---	---	---	---	---	42	---	---	---	---	---	31	73
4-5am	---	---	---	---	---	42	---	---	---	---	---	40	82
5-6am	---	---	---	---	---	76	---	---	---	---	---	81	157
6-7am	---	---	---	---	---	168	---	---	---	---	---	208	376
7-8am	257	23	8	11	12	311	413	22	15	6	27	483	794
8-9am	267	40	8	26	10	351	434	23	20	10	31	518	869
9-10am	251	24	9	15	17	316	310	14	10	8	28	370	686
10-11am	272	16	5	13	9	315	295	25	4	4	1	329	644
11-12am	247	21	21	31	26	346	292	13	4	24	30	363	709
12-1pm	311	10	10	15	14	360	357	20	5	8	9	399	759
1-2pm	341	10	11	11	14	387	403	18	7	6	12	446	833
2-3pm	334	28	22	32	19	435	396	38	15	20	33	502	937
3-4pm	403	28	10	11	11	463	465	39	9	2	26	541	1,004
4-5pm	425	11	20	25	21	502	466	18	15	15	29	543 **	1,045
5-6pm	475	12	13	19	18	537 **	470	18	13	1	23	525	1,062 **
6-7pm	432	19	6	11	16	484	415	13	13	3	15	459	943
7-8pm	---	---	---	---	---	403	---	---	---	---	---	388	791
8-9pm	---	---	---	---	---	335	---	---	---	---	---	311	646
9-10pm	---	---	---	---	---	286	---	---	---	---	---	247	533
10-11pm	---	---	---	---	---	240	---	---	---	---	---	189	429
11-12pm	---	---	---	---	---	168	---	---	---	---	---	149	317
Totals	---	---	---	---	---	6,799	---	---	---	---	---	7,331	14,130
7-10am	775	87	25	52	39	978	1,157	59	45	24	86	1,371	2,349
10am-1pm	830	47	36	59	49	1,021	944	58	13	36	40	1,091	2,112
1-4pm	1,078	66	43	54	44	1,285	1,264	95	31	28	71	1,489	2,774
4-7pm	1,332	42	39	55	55	1,523	1,351	49	41	19	67	1,527	3,050
7am-7pm	4,015	242	143	220	187	4,807	4,716	261	130	107	264	5,478	10,285

Based on 1989 Classification Survey Data

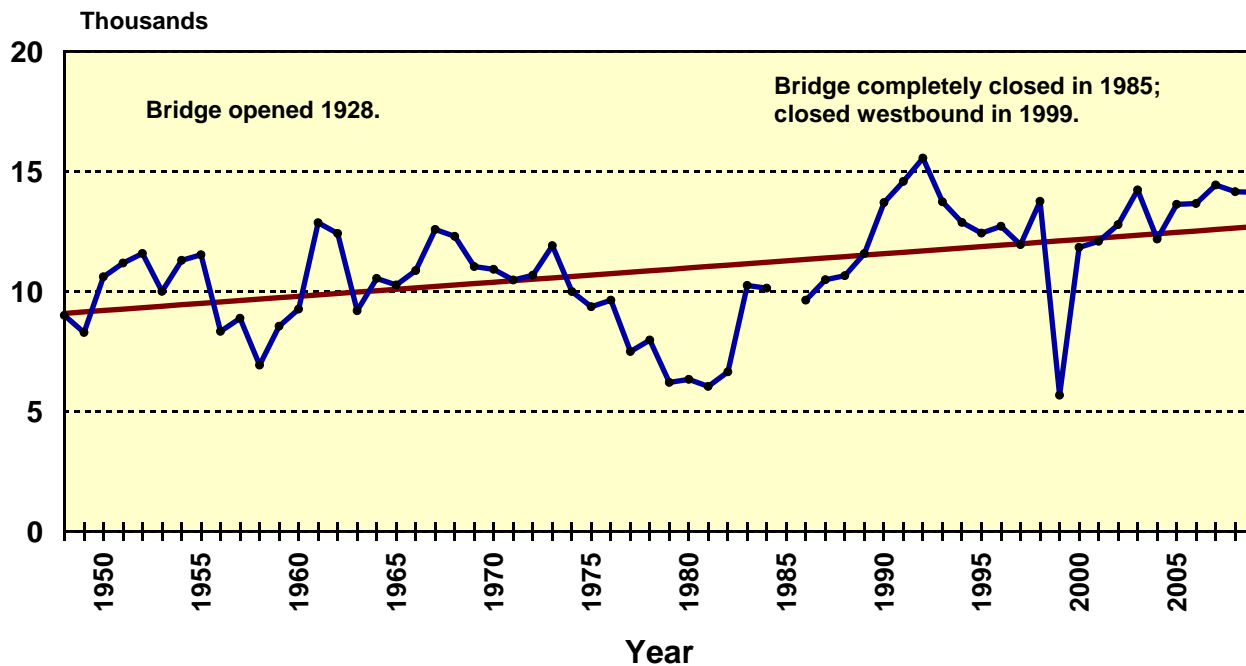
** Peak Volumes

Hourly Vehicular Volumes East 174th Street Bridge - 2009



Average Daily Traffic Volumes East 174th Street Bridge

1948-2009 Growth Rate = 0.6%



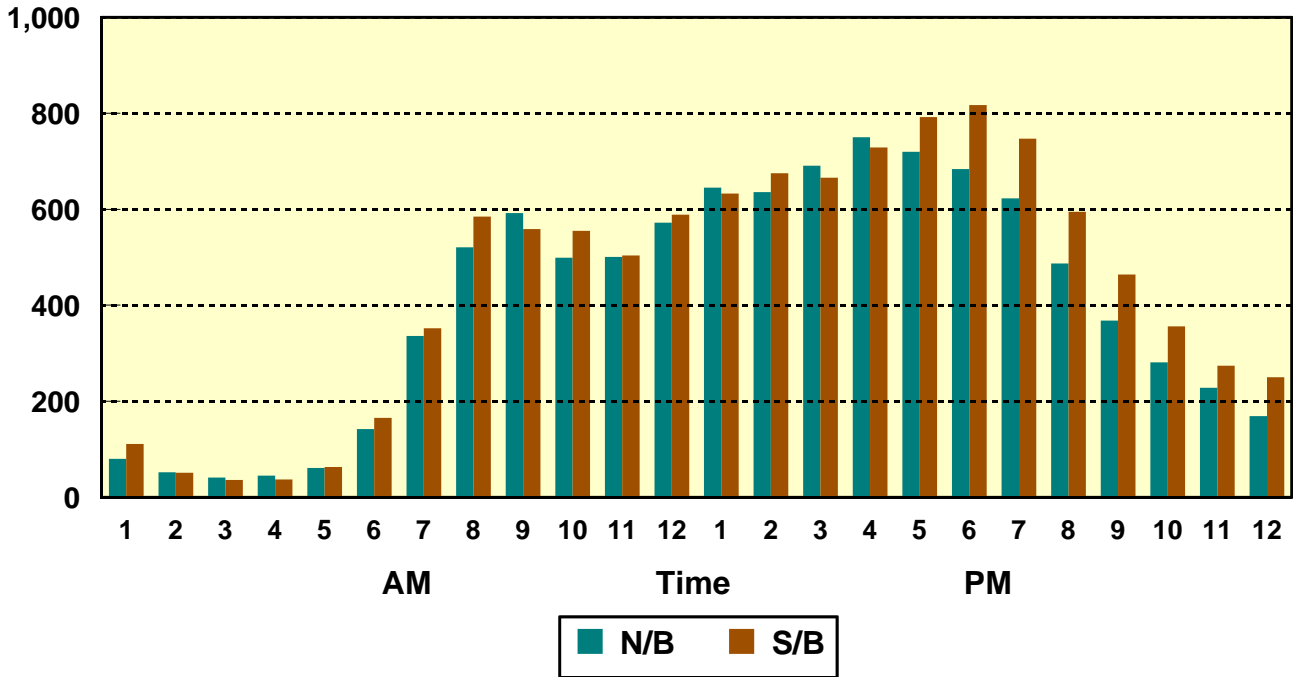
Hourly Vehicular Volumes Eastchester Bridge - 2009

	Northbound						Southbound						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	80	---	---	---	---	---	111	191
1-2am	---	---	---	---	---	52	---	---	---	---	---	51	103
2-3am	---	---	---	---	---	41	---	---	---	---	---	36	77
3-4am	---	---	---	---	---	45	---	---	---	---	---	37	82
4-5am	---	---	---	---	---	61	---	---	---	---	---	63	124
5-6am	---	---	---	---	---	142	---	---	---	---	---	165	307
6-7am	---	---	---	---	---	336	---	---	---	---	---	352	688
7-8am	459	15	0	27	20	521	483	8	8	67	19	585	1,106
8-9am	501	12	0	44	35	592	440	11	13	72	23	559	1,151
9-10am	421	14	0	35	29	499	366	17	19	113	40	555	1,054
10-11am	458	6	0	20	17	501	436	7	13	32	16	504	1,005
11-12am	500	5	0	31	36	572	453	8	15	78	35	589	1,161
12-1pm	605	8	0	11	21	645	576	6	6	28	17	633	1,278
1-2pm	600	7	0	12	17	636	616	7	4	37	11	675	1,311
2-3pm	623	14	0	33	21	691	522	10	13	96	25	666	1,357
3-4pm	700	13	0	19	18	750 **	653	15	9	41	11	729	1,479
4-5pm	657	8	0	22	33	720	709	8	15	40	20	792	1,512 **
5-6pm	621	8	0	22	33	684	732	9	12	37	27	817 **	1,501
6-7pm	589	10	0	11	13	623	681	17	8	33	8	747	1,370
7-8pm	---	---	---	---	---	487	---	---	---	---	---	595	1,082
8-9pm	---	---	---	---	---	368	---	---	---	---	---	464	832
9-10pm	---	---	---	---	---	281	---	---	---	---	---	356	637
10-11pm	---	---	---	---	---	228	---	---	---	---	---	274	502
11-12pm	---	---	---	---	---	169	---	---	---	---	---	250	419
Totals	---	---	---	---	---	9,724	---	---	---	---	---	10,605	20,329
7-10am	1,381	41	0	106	84	1,612	1,289	36	40	252	82	1,699	3,311
10am-1pm	1,563	19	0	62	74	1,718	1,465	21	34	138	68	1,726	3,444
1-4pm	1,923	34	0	64	56	2,077	1,791	32	26	174	47	2,070	4,147
4-7pm	1,867	26	0	55	79	2,027	2,122	34	35	110	55	2,356	4,383
7am-7pm	6,734	120	0	287	293	7,434	6,667	123	135	674	252	7,851	15,285

Based on 1989 Classification Survey Data

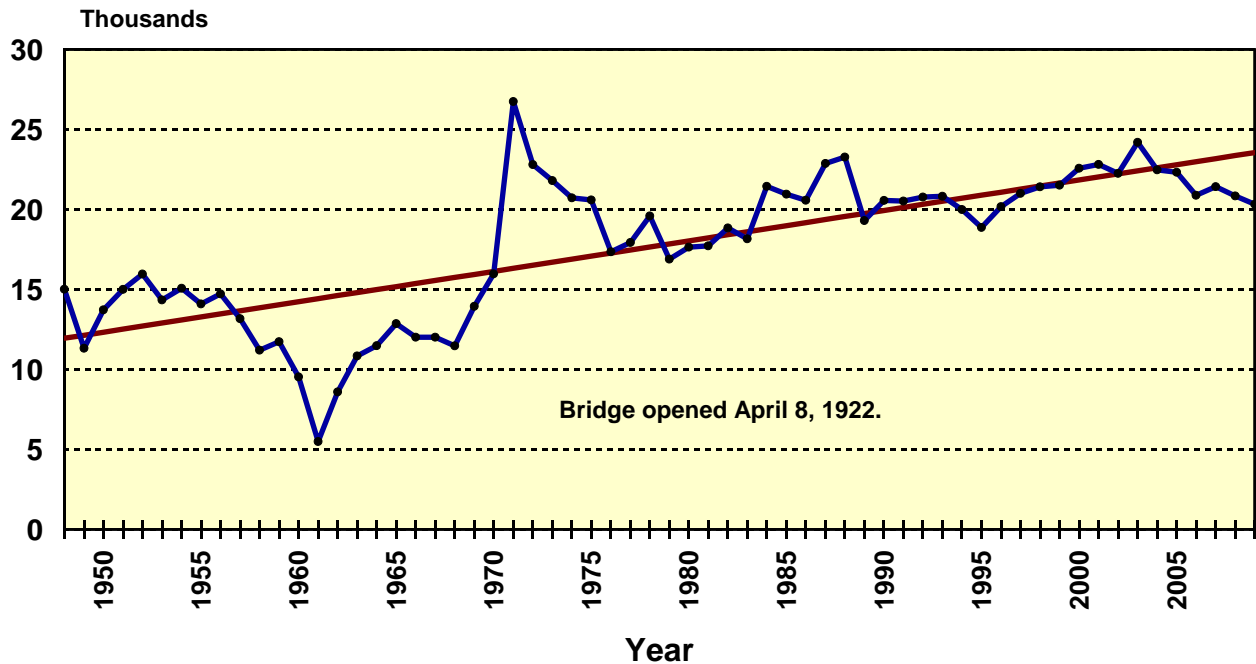
** Peak Volumes

Hourly Vehicular Volumes Eastchester Bridge - 2009



Average Daily Traffic Volumes Eastchester Bridge

1948-2009 Growth Rate = 1.1%



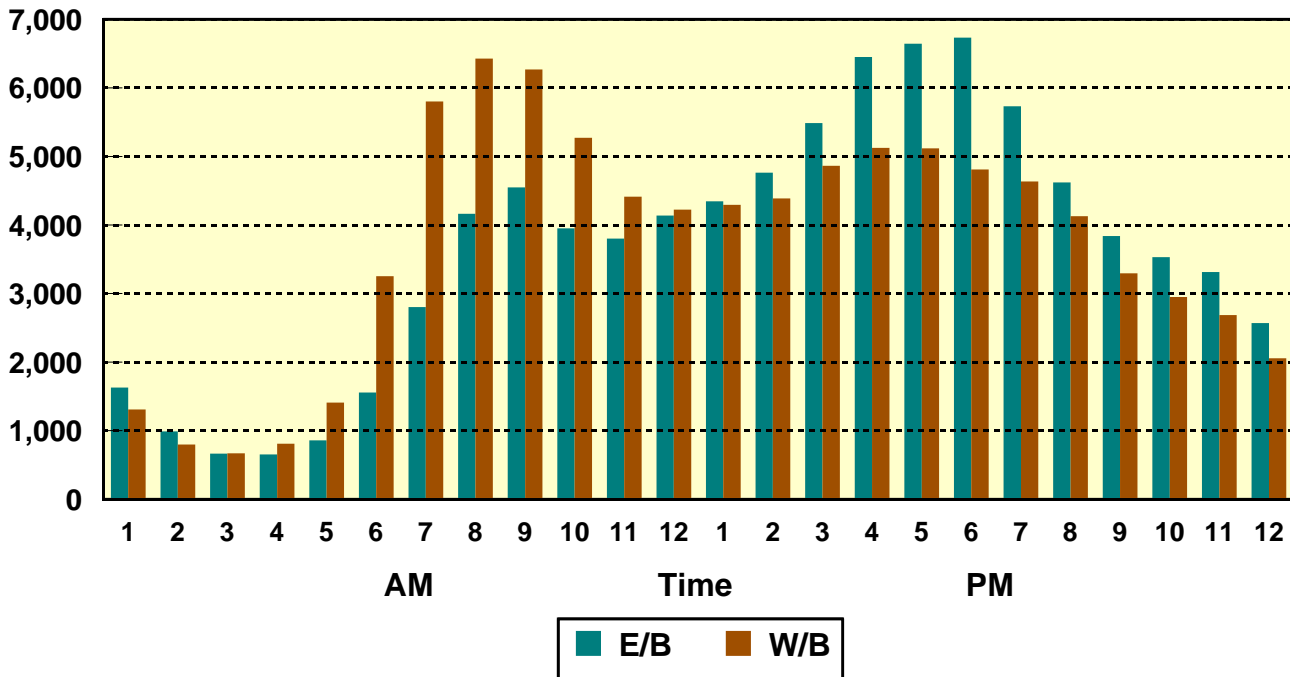
Hourly Vehicular Volumes Eastern Boulevard Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	1,629	---	---	---	---	---	1,308	2,937
1-2am	---	---	---	---	---	988	---	---	---	---	---	799	1,787
2-3am	---	---	---	---	---	665	---	---	---	---	---	670	1,335
3-4am	---	---	---	---	---	653	---	---	---	---	---	809	1,462
4-5am	---	---	---	---	---	858	---	---	---	---	---	1,409	2,267
5-6am	---	---	---	---	---	1,556	---	---	---	---	---	3,253	4,809
6-7am	---	---	---	---	---	2,803	---	---	---	---	---	5,804	8,607
7-8am	3,521	53	66	395	129	4,164	5,582	101	121	359	264	6,427 **	10,591
8-9am	3,617	105	97	513	217	4,549	5,308	75	142	452	291	6,268	10,817
9-10am	3,042	96	109	509	197	3,953	4,567	47	85	332	242	5,273	9,226
10-11am	3,349	24	49	275	105	3,802	4,070	35	53	161	96	4,415	8,217
11-12am	3,272	16	149	438	264	4,139	3,622	25	101	280	197	4,225	8,364
12-1pm	3,916	21	70	215	125	4,347	3,975	26	32	167	95	4,295	8,642
1-2pm	4,485	29	1	158	90	4,763	4,056	53	55	165	58	4,387	9,150
2-3pm	4,959	44	0	279	206	5,488	4,181	114	91	346	133	4,865	10,353
3-4pm	6,140	44	0	164	103	6,451	4,774	69	43	186	53	5,125	11,576
4-5pm	6,084	39	0	321	202	6,646	4,419	107	127	293	172	5,118	11,764 **
5-6pm	6,382	66	0	100	185	6,733 **	4,389	34	133	169	85	4,810	11,543
6-7pm	5,396	44	0	149	144	5,733	4,370	38	79	88	61	4,636	10,369
7-8pm	---	---	---	---	---	4,620	---	---	---	---	---	4,130	8,750
8-9pm	---	---	---	---	---	3,839	---	---	---	---	---	3,295	7,134
9-10pm	---	---	---	---	---	3,532	---	---	---	---	---	2,948	6,480
10-11pm	---	---	---	---	---	3,313	---	---	---	---	---	2,686	5,999
11-12pm	---	---	---	---	---	2,567	---	---	---	---	---	2,054	4,621
Totals	---	---	---	---	---	87,791	---	---	---	---	---	89,009	176,800
7-10am	10,180	254	272	1,417	543	12,666	15,457	223	348	1,143	797	17,968	30,634
10am-1pm	10,537	61	268	928	494	12,288	11,667	86	186	608	388	12,935	25,223
1-4pm	15,584	117	1	601	399	16,702	13,011	236	189	697	244	14,377	31,079
4-7pm	17,862	149	0	570	531	19,112	13,178	179	339	550	318	14,564	33,676
7am-7pm	54,163	581	541	3,516	1,967	60,768	53,313	724	1,062	2,998	1,747	59,844	120,612

Based on 1989 Classification Survey Data

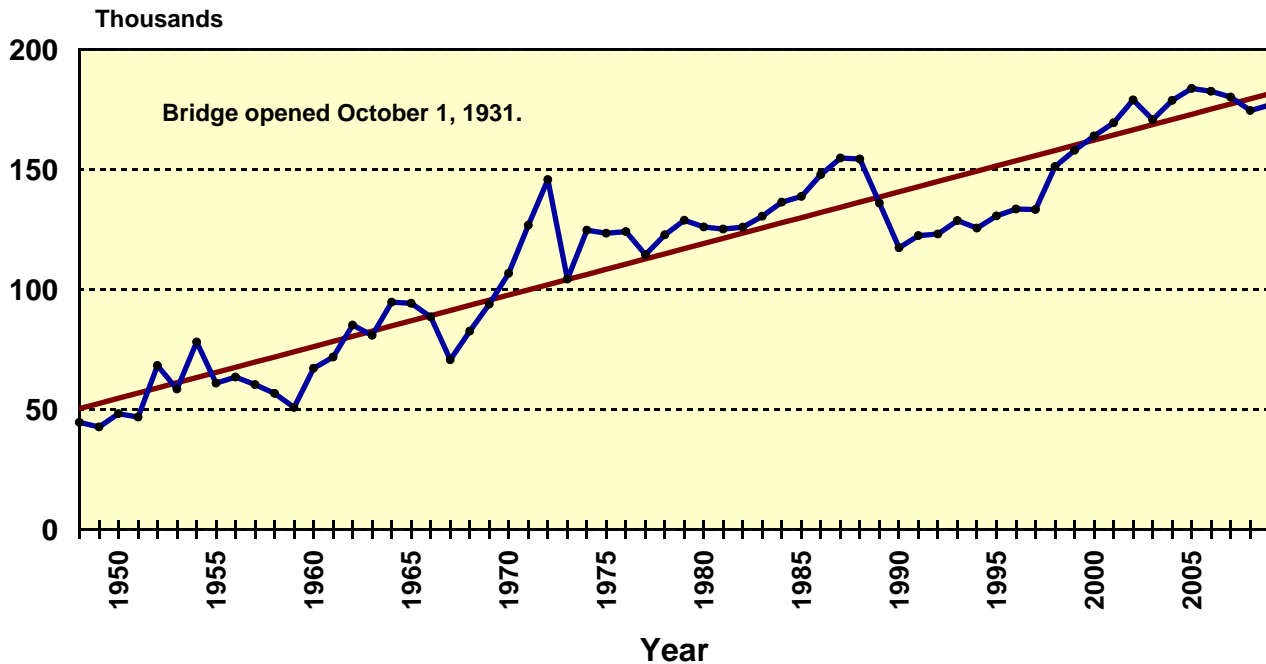
** Peak Volumes

Hourly Vehicular Volumes Eastern Boulevard Bridge - 2009



Average Daily Traffic Volumes Eastern Boulevard Bridge

1948-2009 Growth Rate = 2.1%



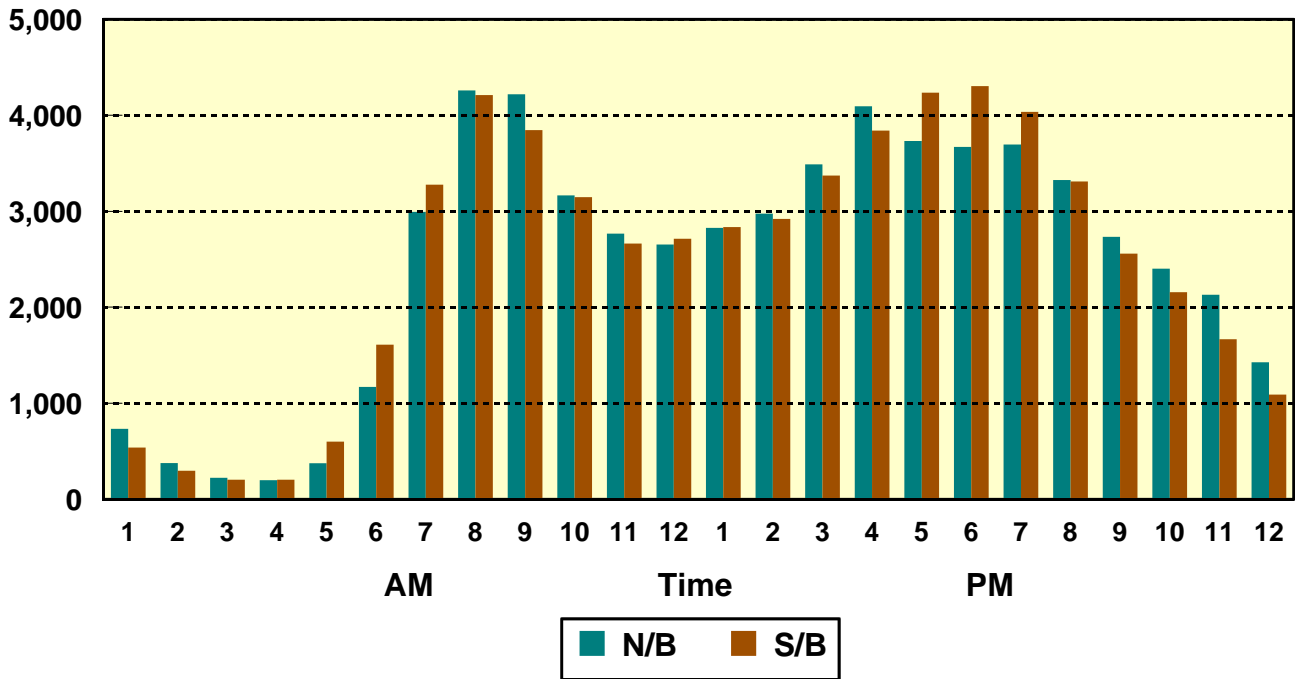
Hourly Vehicular Volumes Hutchinson River Parkway Bridge - 2009

	<i>Northbound</i>						<i>Southbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	732	---	---	---	---	---	538	1,270
1-2am	---	---	---	---	---	376	---	---	---	---	---	297	673
2-3am	---	---	---	---	---	223	---	---	---	---	---	203	426
3-4am	---	---	---	---	---	198	---	---	---	---	---	203	401
4-5am	---	---	---	---	---	375	---	---	---	---	---	599	974
5-6am	---	---	---	---	---	1,170	---	---	---	---	---	1,610	2,780
6-7am	---	---	---	---	---	2,994	---	---	---	---	---	3,279	6,273
7-8am	3,934	4	101	147	73	4,259 **	4,068	1	20	10	112	4,211	8,470 **
8-9am	3,952	7	70	136	54	4,219	3,756	2	6	7	75	3,846	8,065
9-10am	2,915	1	82	103	65	3,166	3,027	7	13	12	89	3,148	6,314
10-11am	2,635	3	36	60	33	2,767	2,621	3	6	6	28	2,664	5,431
11-12am	2,375	0	109	104	67	2,655	2,573	0	9	11	122	2,715	5,370
12-1pm	2,710	0	33	57	27	2,827	2,790	0	3	3	40	2,836	5,663
1-2pm	2,814	7	51	71	33	2,976	2,846	6	8	0	62	2,922	5,898
2-3pm	3,120	5	123	174	67	3,489	3,235	6	14	6	112	3,373	6,862
3-4pm	3,920	3	59	76	37	4,095	3,752	12	3	3	71	3,841	7,936
4-5pm	3,368	1	79	211	74	3,733	4,143	0	18	0	76	4,237	7,970
5-6pm	3,411	1	76	127	56	3,671	4,191	0	11	9	94	4,305 **	7,976
6-7pm	3,466	0	71	100	59	3,696	3,937	0	16	2	82	4,037	7,733
7-8pm	---	---	---	---	---	3,325	---	---	---	---	---	3,311	6,636
8-9pm	---	---	---	---	---	2,734	---	---	---	---	---	2,559	5,293
9-10pm	---	---	---	---	---	2,402	---	---	---	---	---	2,156	4,558
10-11pm	---	---	---	---	---	2,130	---	---	---	---	---	1,666	3,796
11-12pm	---	---	---	---	---	1,427	---	---	---	---	---	1,090	2,517
Totals	---	---	---	---	---	59,639	---	---	---	---	---	59,646	119,285
7-10am	10,801	12	253	386	192	11,644	10,851	10	39	29	276	11,205	22,849
10am-1pm	7,720	3	178	221	127	8,249	7,984	3	18	20	190	8,215	16,464
1-4pm	9,854	15	233	321	137	10,560	9,833	24	25	9	245	10,136	20,696
4-7pm	10,245	2	226	438	189	11,100	12,271	0	45	11	252	12,579	23,679
7am-7pm	38,620	32	890	1,366	645	41,553	40,939	37	127	69	963	42,135	83,688

Based on 1989 Classification Survey Data

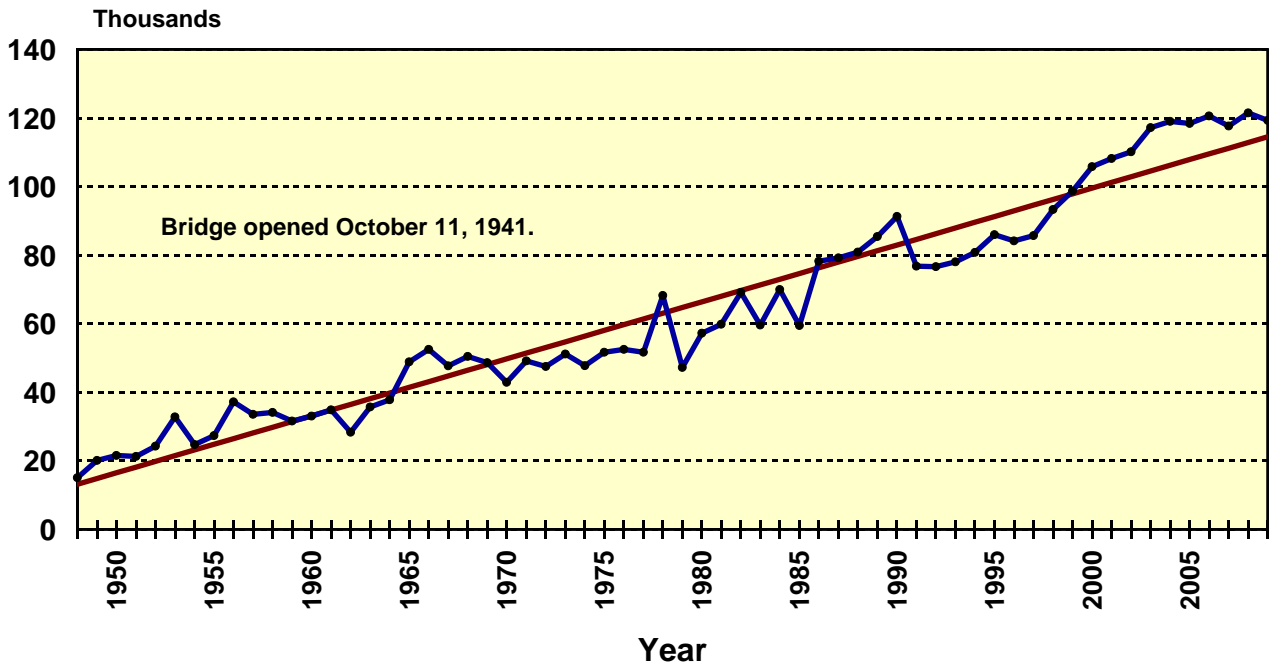
** Peak Volumes

Hourly Vehicular Volumes Hutchinson River Parkway Bridge - 2009



Average Daily Traffic Volumes Hutchinson River Parkway Bridge

1948-2009 Growth Rate = 3.6%



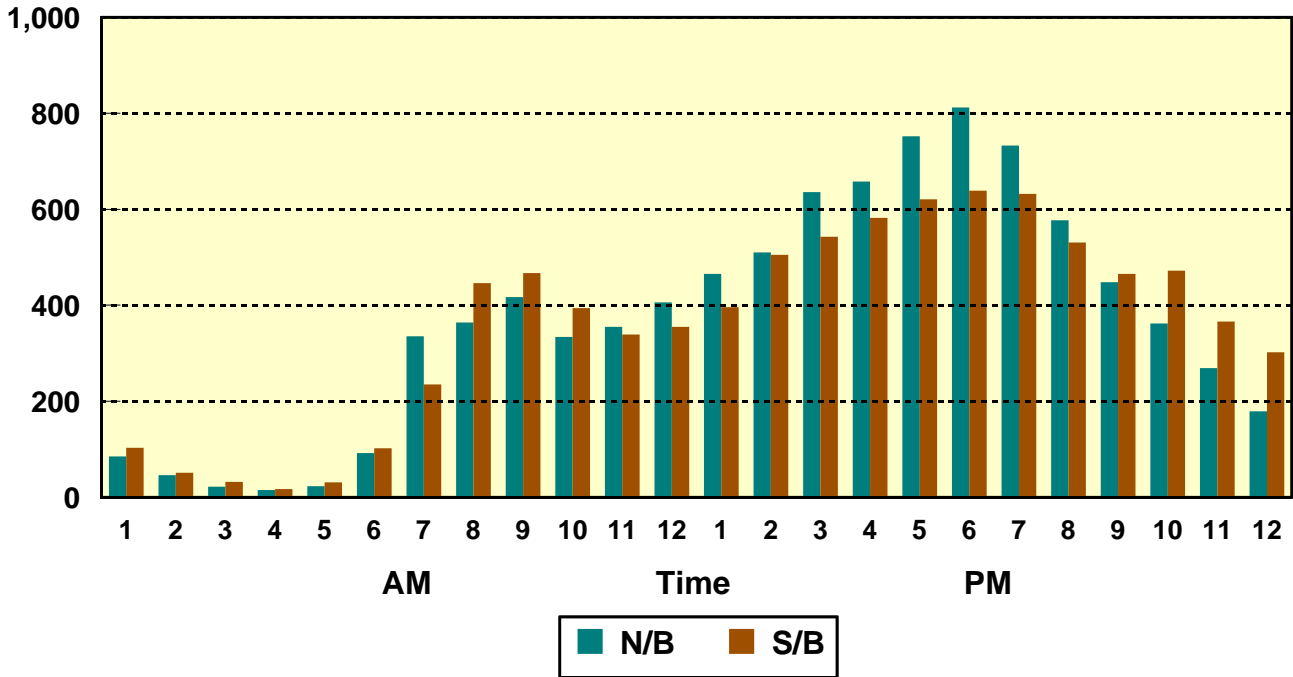
Hourly Vehicular Volumes Pelham Bridge - 2009

	Northbound						Southbound						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	85	---	---	---	---	---	103	188
1-2am	---	---	---	---	---	46	---	---	---	---	---	51	97
2-3am	---	---	---	---	---	22	---	---	---	---	---	32	54
3-4am	---	---	---	---	---	15	---	---	---	---	---	17	32
4-5am	---	---	---	---	---	23	---	---	---	---	---	31	54
5-6am	---	---	---	---	---	92	---	---	---	---	---	102	194
6-7am	---	---	---	---	---	335	---	---	---	---	---	235	570
7-8am	302	14	11	22	15	364	388	13	10	18	17	446	810
8-9am	341	15	5	30	26	417	375	15	12	33	32	467	884
9-10am	281	6	2	21	24	334	326	5	8	34	21	394	728
10-11am	302	2	3	27	21	355	292	7	9	9	22	339	694
11-12am	347	4	5	21	29	406	266	4	10	52	23	355	761
12-1pm	433	10	2	5	15	465	368	11	2	9	6	396	861
1-2pm	480	7	0	14	9	510	461	9	7	17	11	505	1,015
2-3pm	541	21	9	31	34	636	477	12	6	29	19	543	1,179
3-4pm	605	14	1	15	23	658	528	22	5	17	10	582	1,240
4-5pm	685	7	5	17	38	752	574	8	3	19	17	621	1,373
5-6pm	737	10	4	23	38	812 **	565	15	16	13	30	639 **	1,451 **
6-7pm	686	10	4	5	28	733	575	9	14	20	14	632	1,365
7-8pm	---	---	---	---	---	577	---	---	---	---	---	531	1,108
8-9pm	---	---	---	---	---	448	---	---	---	---	---	465	913
9-10pm	---	---	---	---	---	362	---	---	---	---	---	472	834
10-11pm	---	---	---	---	---	269	---	---	---	---	---	366	635
11-12pm	---	---	---	---	---	179	---	---	---	---	---	302	481
Totals	---	---	---	---	---	8,895	---	---	---	---	---	8,626	17,521
7-10am	924	35	18	73	65	1,115	1,089	33	30	85	70	1,307	2,422
10am-1pm	1,082	16	10	53	65	1,226	926	22	21	70	51	1,090	2,316
1-4pm	1,626	42	10	60	66	1,804	1,466	43	18	63	40	1,630	3,434
4-7pm	2,108	27	13	45	104	2,297	1,714	32	33	52	61	1,892	4,189
7am-7pm	5,740	120	51	231	300	6,442	5,195	130	102	270	222	5,919	12,361

Based on 1989 Classification Survey Data

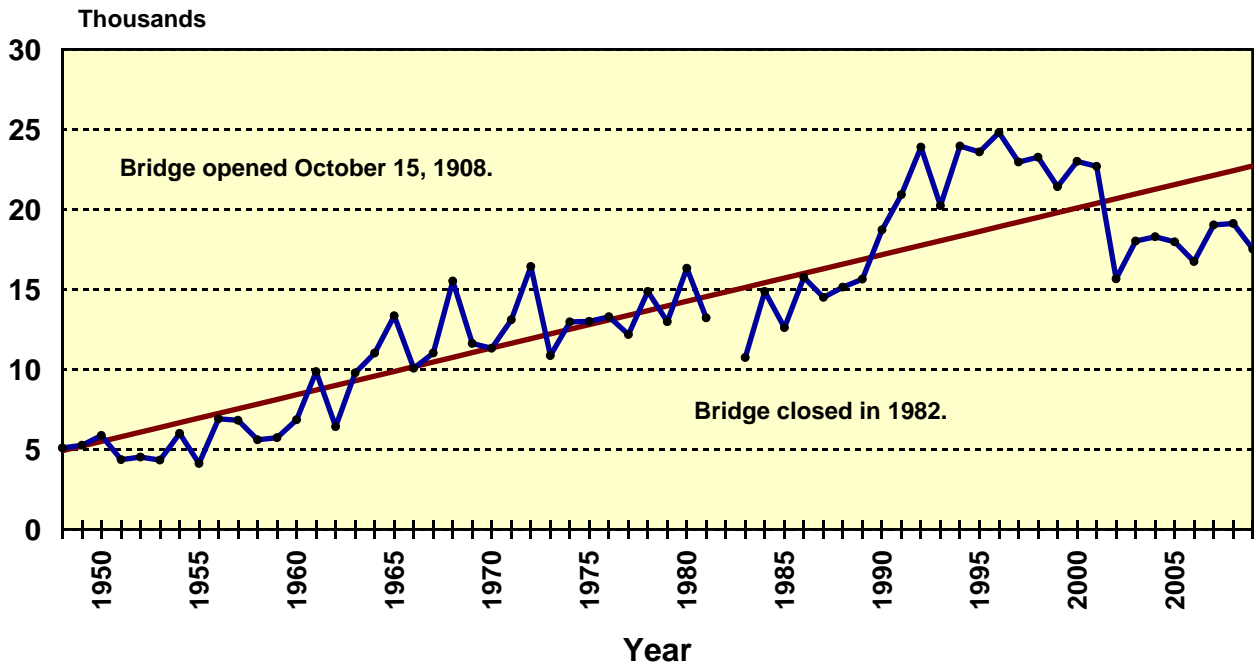
** Peak Volumes

Hourly Vehicular Volumes Pelham Bridge - 2009



Average Daily Traffic Volumes Pelham Bridge

1948-2009 Growth Rate = 2.5%



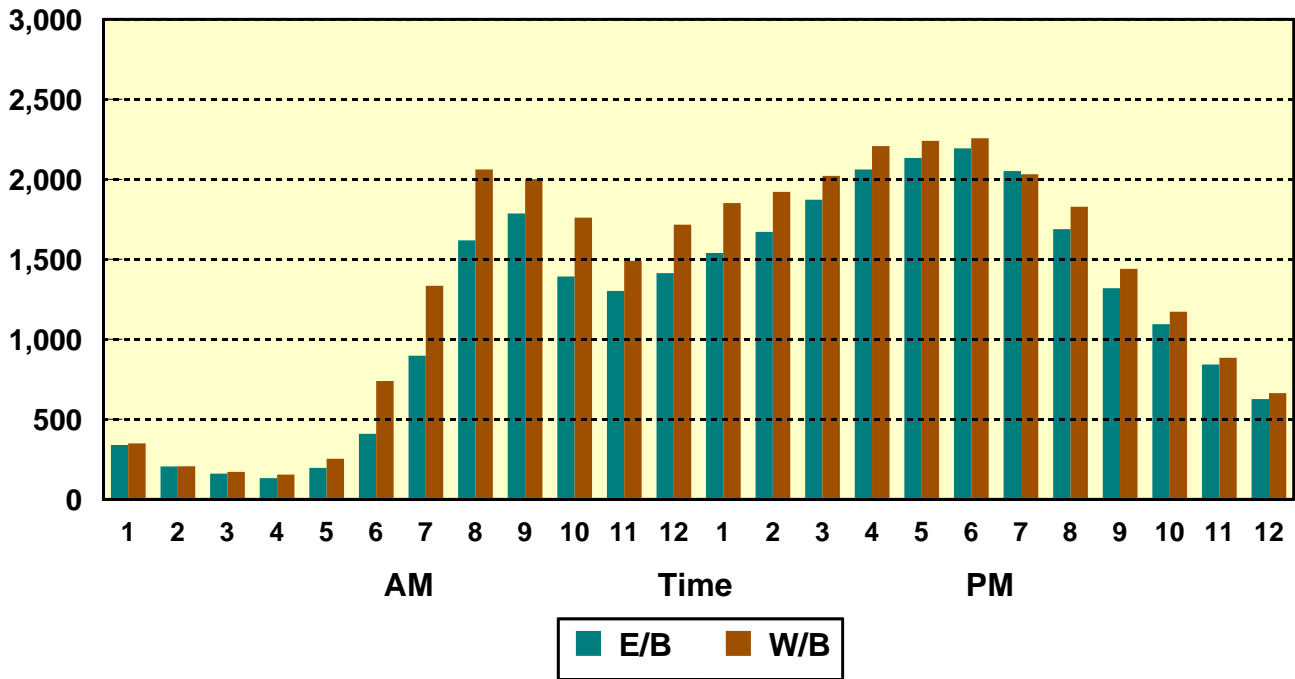
Hourly Vehicular Volumes Unionport Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	339	---	---	---	---	---	349	688
1-2am	---	---	---	---	---	205	---	---	---	---	---	206	411
2-3am	---	---	---	---	---	160	---	---	---	---	---	171	331
3-4am	---	---	---	---	---	132	---	---	---	---	---	154	286
4-5am	---	---	---	---	---	196	---	---	---	---	---	253	449
5-6am	---	---	---	---	---	409	---	---	---	---	---	739	1,148
6-7am	---	---	---	---	---	897	---	---	---	---	---	1,334	2,231
7-8am	1,405	37	21	118	38	1,619	1,924	37	2	41	58	2,062	3,681
8-9am	1,507	36	47	129	68	1,787	1,866	23	0	65	47	2,001	3,788
9-10am	1,115	31	55	118	73	1,392	1,628	22	0	47	63	1,760	3,152
10-11am	1,149	17	18	75	43	1,302	1,402	20	0	17	51	1,490	2,792
11-12am	1,108	15	57	157	76	1,413	1,486	18	0	96	116	1,716	3,129
12-1pm	1,369	14	30	87	40	1,540	1,764	12	0	40	35	1,851	3,391
1-2pm	1,365	12	45	162	88	1,672	1,654	25	2	120	120	1,921	3,593
2-3pm	1,603	18	48	145	59	1,873	1,776	29	0	107	110	2,022	3,895
3-4pm	1,926	15	18	64	38	2,061	2,036	51	0	49	72	2,208	4,269
4-5pm	1,856	19	39	148	72	2,134	1,986	31	0	75	148	2,240	4,374
5-6pm	1,938	25	49	141	41	2,194 **	2,065	33	0	72	87	2,257 **	4,451 **
6-7pm	1,820	36	50	108	38	2,052	1,914	21	0	36	60	2,031	4,083
7-8pm	---	---	---	---	---	1,689	---	---	---	---	---	1,829	3,518
8-9pm	---	---	---	---	---	1,319	---	---	---	---	---	1,440	2,759
9-10pm	---	---	---	---	---	1,094	---	---	---	---	---	1,172	2,266
10-11pm	---	---	---	---	---	842	---	---	---	---	---	884	1,726
11-12pm	---	---	---	---	---	626	---	---	---	---	---	663	1,289
Totals	---	---	---	---	---	28,947	---	---	---	---	---	32,753	61,700
7-10am	4,027	104	123	365	179	4,798	5,418	82	2	153	168	5,823	10,621
10am-1pm	3,626	46	105	319	159	4,255	4,652	50	0	153	202	5,057	9,312
1-4pm	4,894	45	111	371	185	5,606	5,466	105	2	276	302	6,151	11,757
4-7pm	5,614	80	138	397	151	6,380	5,965	85	0	183	295	6,528	12,908
7am-7pm	18,161	275	477	1,452	674	21,039	21,501	322	4	765	967	23,559	44,598

Based on 1989 Classification Survey Data

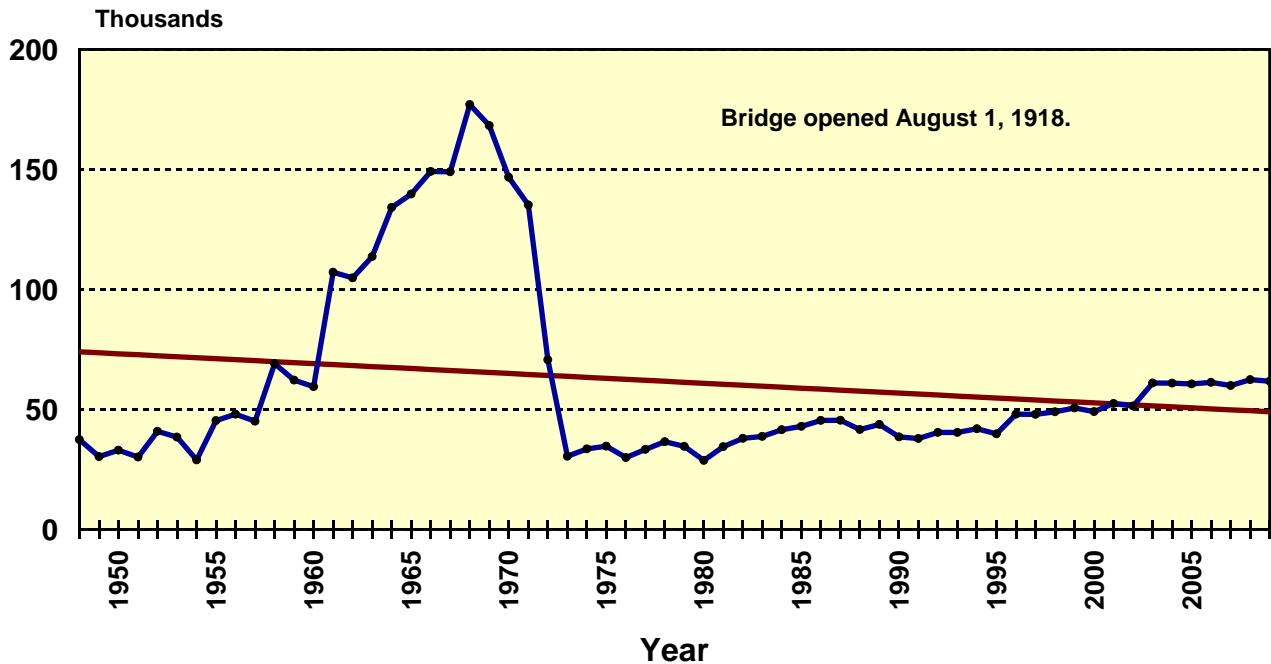
** Peak Volumes

Hourly Vehicular Volumes Unionport Bridge - 2009



Average Daily Traffic Volumes Unionport Bridge

1948-2009 Growth Rate = - 0.7%



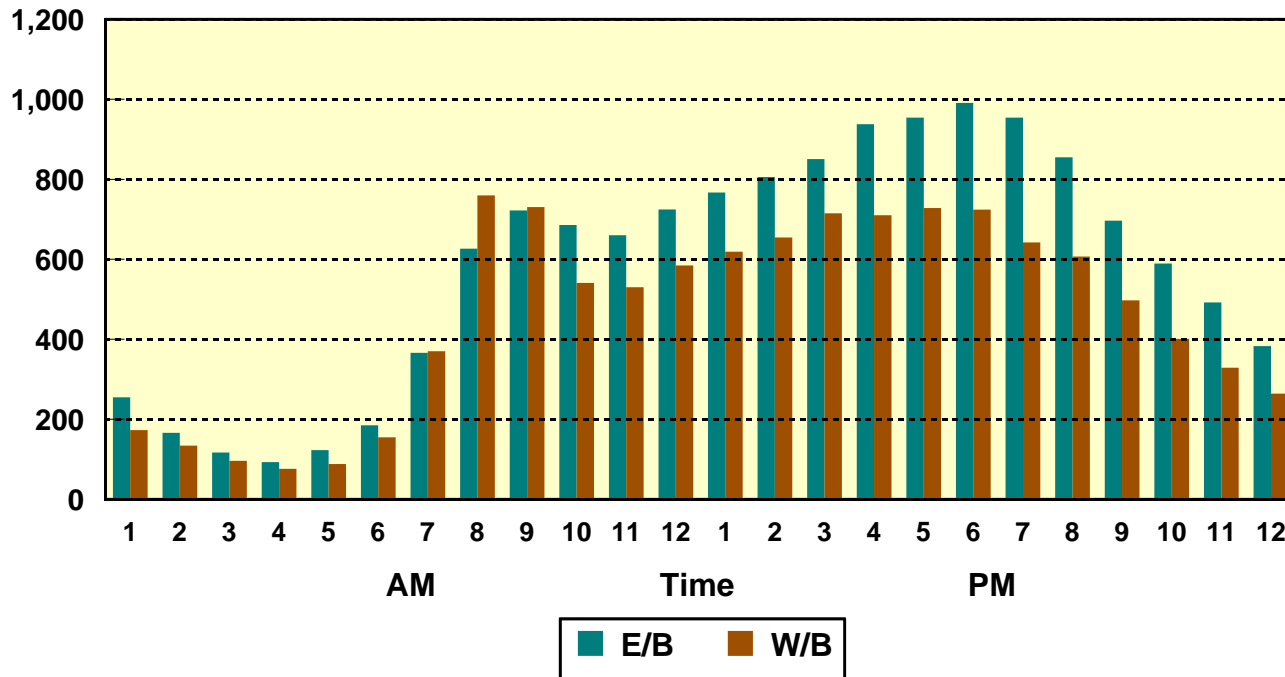
Hourly Vehicular Volumes Westchester Avenue Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	255	---	---	---	---	---	173	428
1-2am	---	---	---	---	---	166	---	---	---	---	---	134	300
2-3am	---	---	---	---	---	117	---	---	---	---	---	96	213
3-4am	---	---	---	---	---	93	---	---	---	---	---	76	169
4-5am	---	---	---	---	---	123	---	---	---	---	---	88	211
5-6am	---	---	---	---	---	185	---	---	---	---	---	155	340
6-7am	---	---	---	---	---	366	---	---	---	---	---	370	736
7-8am	533	33	16	24	21	627	663	30	1	18	48	760 **	1,387
8-9am	613	52	8	25	24	722	635	34	1	25	36	731	1,453
9-10am	611	31	13	13	18	686	463	12	0	21	45	541	1,227
10-11am	600	32	4	10	14	660	495	16	0	11	8	530	1,190
11-12am	613	28	8	34	42	725	473	17	0	37	57	584	1,309
12-1pm	720	22	2	8	15	767	546	21	0	26	26	619	1,386
1-2pm	722	43	9	16	16	806	595	22	0	11	27	655	1,461
2-3pm	716	52	6	31	46	851	616	31	0	22	46	715	1,566
3-4pm	847	65	1	14	11	938	657	24	0	13	16	710	1,648
4-5pm	861	35	20	20	18	954	639	29	0	21	39	728	1,682
5-6pm	909	21	11	19	31	991 **	622	18	0	19	65	724	1,715 **
6-7pm	876	28	2	9	39	954	572	9	0	2	59	642	1,596
7-8pm	---	---	---	---	---	855	---	---	---	---	---	607	1,462
8-9pm	---	---	---	---	---	697	---	---	---	---	---	497	1,194
9-10pm	---	---	---	---	---	589	---	---	---	---	---	401	990
10-11pm	---	---	---	---	---	492	---	---	---	---	---	329	821
11-12pm	---	---	---	---	---	383	---	---	---	---	---	264	647
Totals	---	---	---	---	---	14,002	---	---	---	---	---	11,129	25,131
7-10am	1,757	116	37	62	63	2,035	1,761	76	2	64	129	2,032	4,067
10am-1pm	1,933	82	14	52	71	2,152	1,514	54	0	74	91	1,733	3,885
1-4pm	2,285	160	16	61	73	2,595	1,868	77	0	46	89	2,080	4,675
4-7pm	2,646	84	33	48	88	2,899	1,833	56	0	42	163	2,094	4,993
7am-7pm	8,621	442	100	223	295	9,681	6,976	263	2	226	472	7,939	17,620

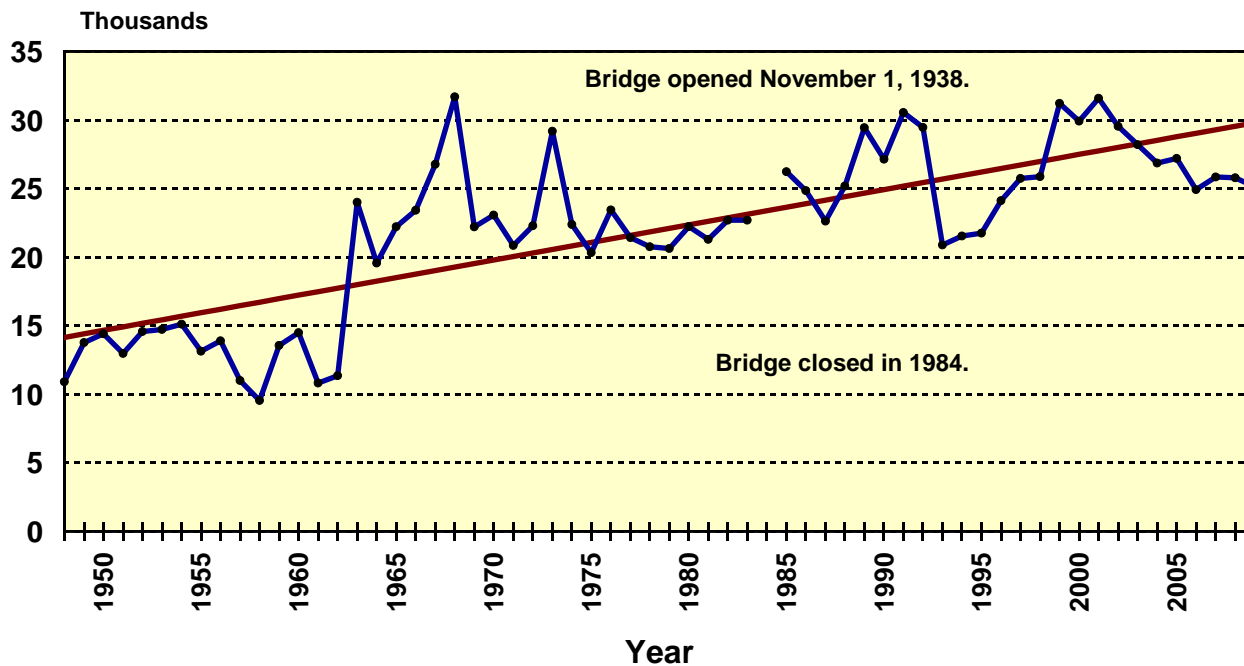
Based on 1989 Classification Survey Data

** Peak Volumes

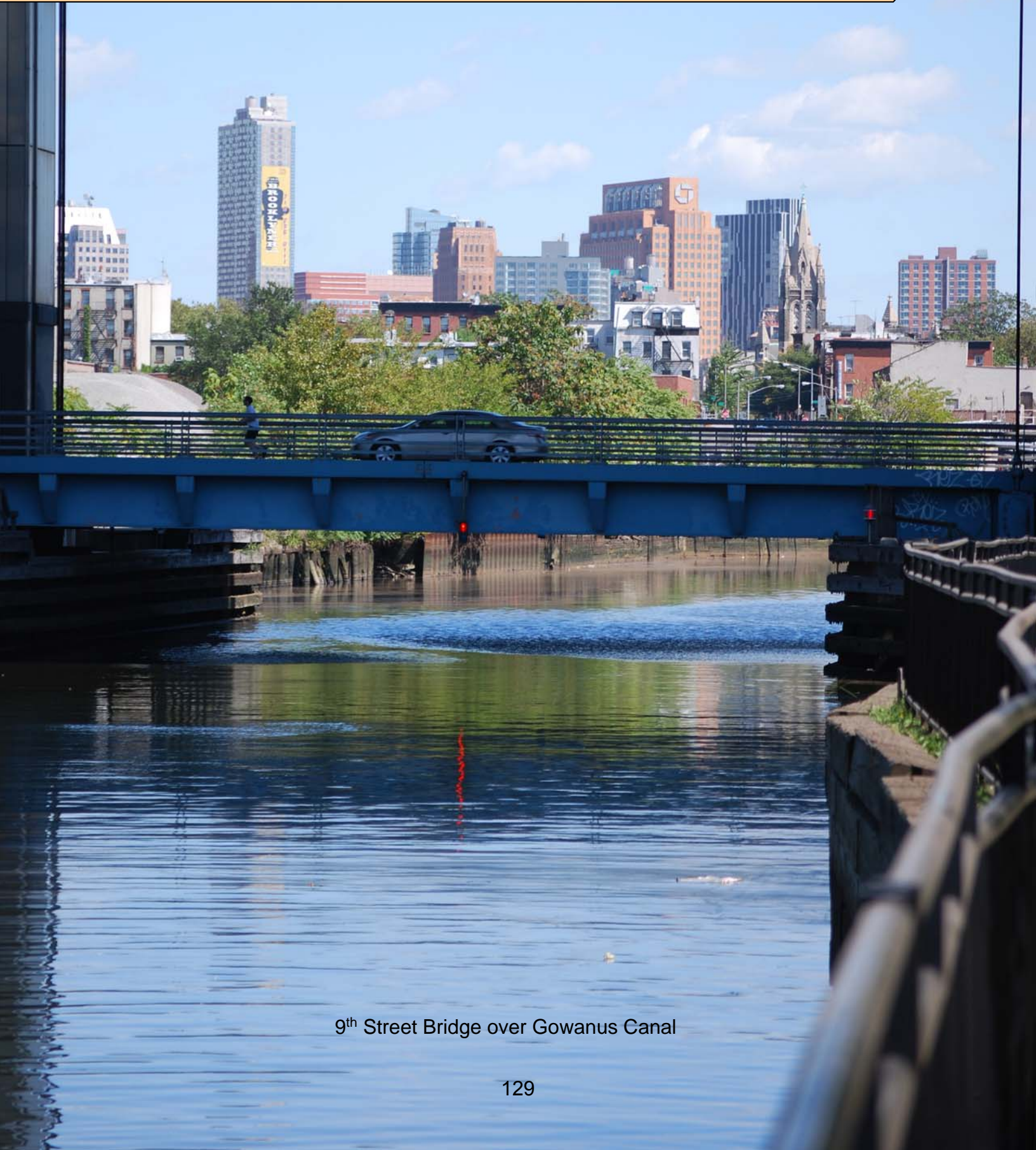
Hourly Vehicular Volumes Westchester Avenue Bridge - 2009



Average Daily Traffic Volumes Westchester Avenue Bridge 1948-2009 Growth Rate = 1.2%



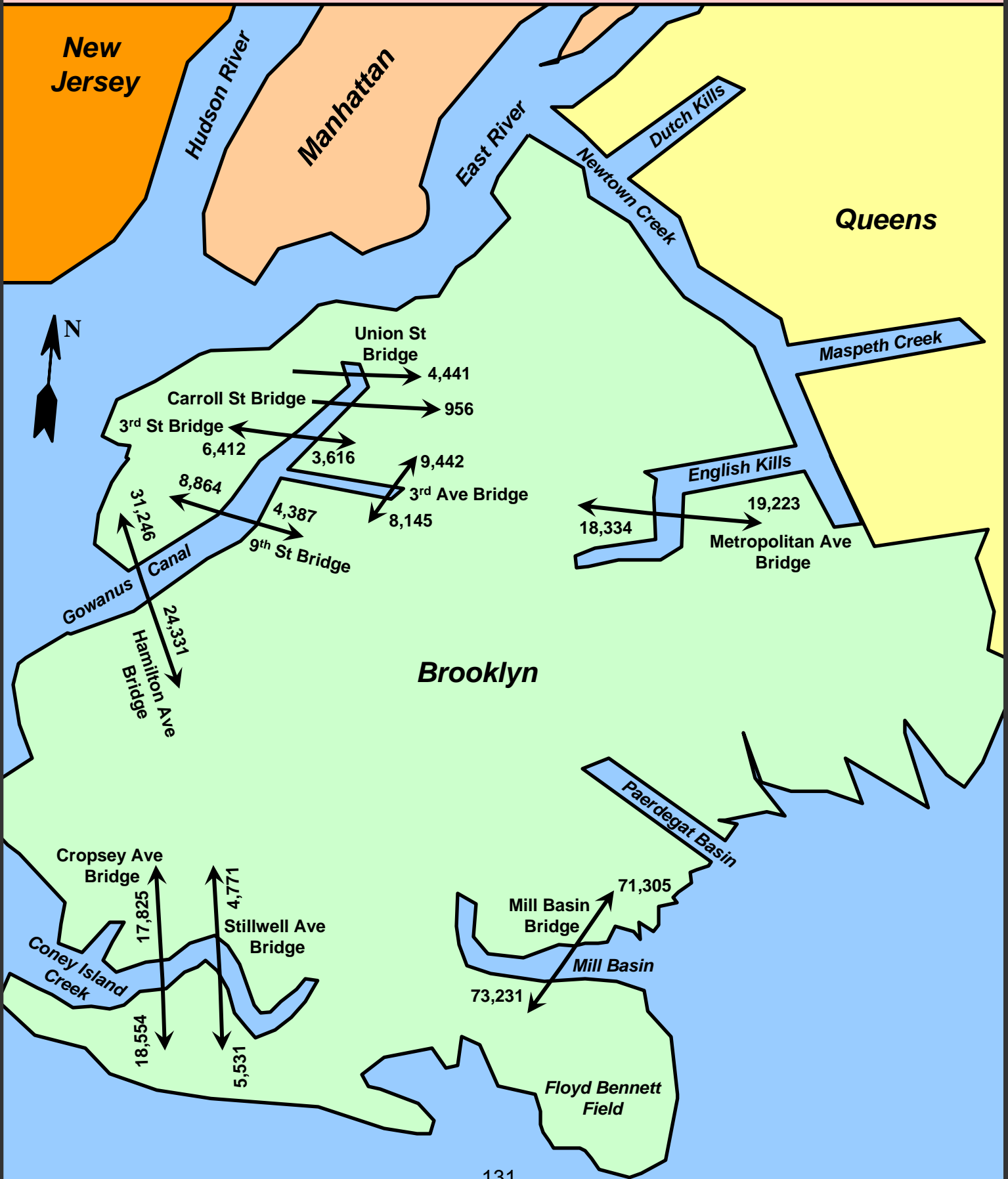
Brooklyn Bridges



9th Street Bridge over Gowanus Canal

BROOKLYN BRIDGES

2009 Daily Volumes



Brooklyn Bridges
Average Daily Traffic Volumes
1948 - 2009

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	<i>Closed</i>	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	<i>Closed</i>	31,998	48,274	35,372	114,876
1987	<i>Closed</i>	30,134	43,715	34,830	122,013
1988	<i>Closed</i>	32,341	51,721	37,682	114,287
1989	606	30,967	54,063	35,446	134,708
1990	1,153	30,592	52,170	37,289	142,142
1991	1,175	25,542	39,911	39,576	134,410
1992	1,387	28,230	56,227	37,510	130,737
1993	1,125	27,878	56,655	36,538	130,805
1994	1,132	27,181	50,309	36,026	134,605
1995	1,164	29,015	51,646	37,581	134,540
1996	1,244	26,933	70,385	39,662	132,853
1997	1,215	28,590	69,144	37,966	135,482
1998	1,270	30,323	59,211	38,271	146,940
1999	1,248	31,076	67,259	38,752	147,347
2000	1,265	30,334	59,557	41,238	145,070
2001	1,280	33,725	60,808	39,930	146,602
2002	1,248	33,325	60,075	39,944	142,105
2003	1,150	35,137	59,108	40,284	141,212
2004	1,099	35,104	60,240	38,529	145,760
2005	1,101	36,132	59,885	35,113	143,158
2006	1,068	35,398	55,526	38,130	143,917
2007	1,116	36,395	54,632	37,332	148,802
2008	1,103	35,881	52,731	38,587	144,010
2009	956	36,379	55,577	37,557	144,536

Brooklyn Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2009

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

Hourly Vehicular Volumes Carroll Street Bridge - 2009

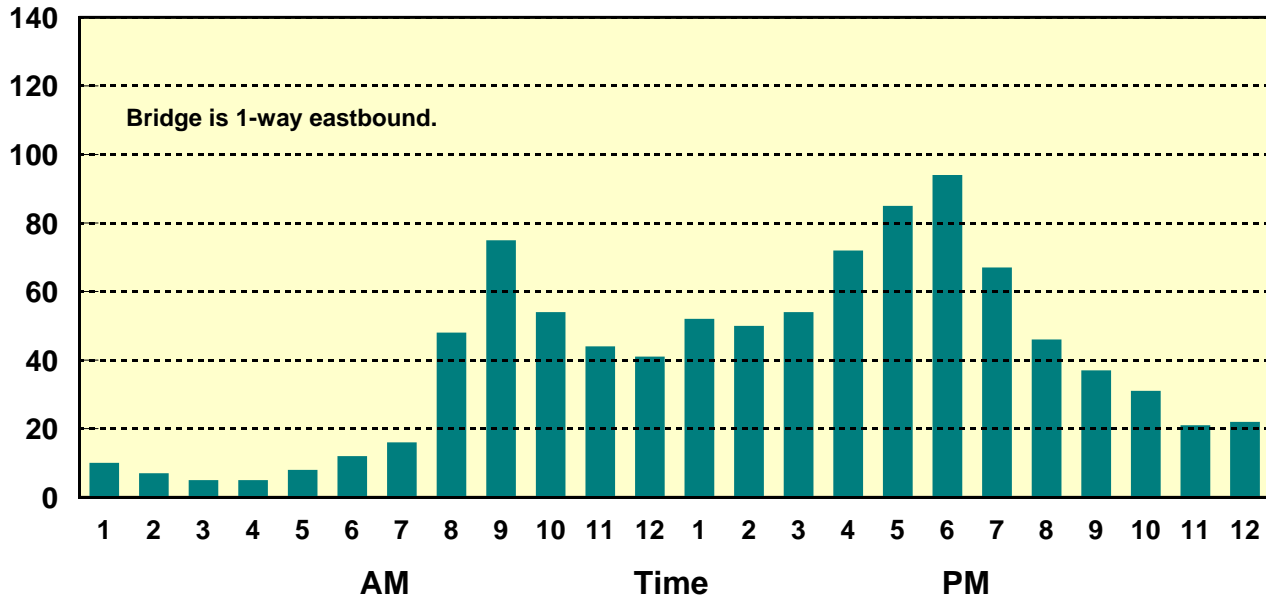
	<i>Eastbound</i>						<i>Westbound</i>						Grand Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	10							10
1-2am	---	---	---	---	---	7							7
2-3am	---	---	---	---	---	5							5
3-4am	---	---	---	---	---	5							5
4-5am	---	---	---	---	---	8							8
5-6am	---	---	---	---	---	12							12
6-7am	---	---	---	---	---	16							16
7-8am	18	0	9	12	9	48							48
8-9am	21	3	8	23	20	75							75
9-10am	20	0	6	20	8	54							54
10-11am	22	0	0	13	9	44							44
11-12am	15	0	4	12	10	41							41
12-1pm	10	0	10	15	17	52							52
1-2pm	14	0	7	9	20	50							50
2-3pm	2	0	11	27	14	54							54
3-4pm	58	0	2	7	5	72							72
4-5pm	64	0	3	7	11	85							85
5-6pm	76	0	7	4	7	94 **							94 **
6-7pm	58	0	4	1	4	67							67
7-8pm	---	---	---	---	---	46							46
8-9pm	---	---	---	---	---	37							37
9-10pm	---	---	---	---	---	31							31
10-11pm	---	---	---	---	---	21							21
11-12pm	---	---	---	---	---	22							22
Totals	---	---	---	---	---	956	---	---	---	---	---	0	956
7-10am	59	3	23	55	37	177	---	---	---	---	---	---	177
10am-1pm	47	0	14	40	36	137	---	---	---	---	---	---	137
1-4pm	74	0	20	43	39	176	---	---	---	---	---	---	176
4-7pm	198	0	14	12	22	246	---	---	---	---	---	---	246
7am-7pm	378	3	71	150	134	736	---	---	---	---	---	---	736

Bridge is 1-way eastbound

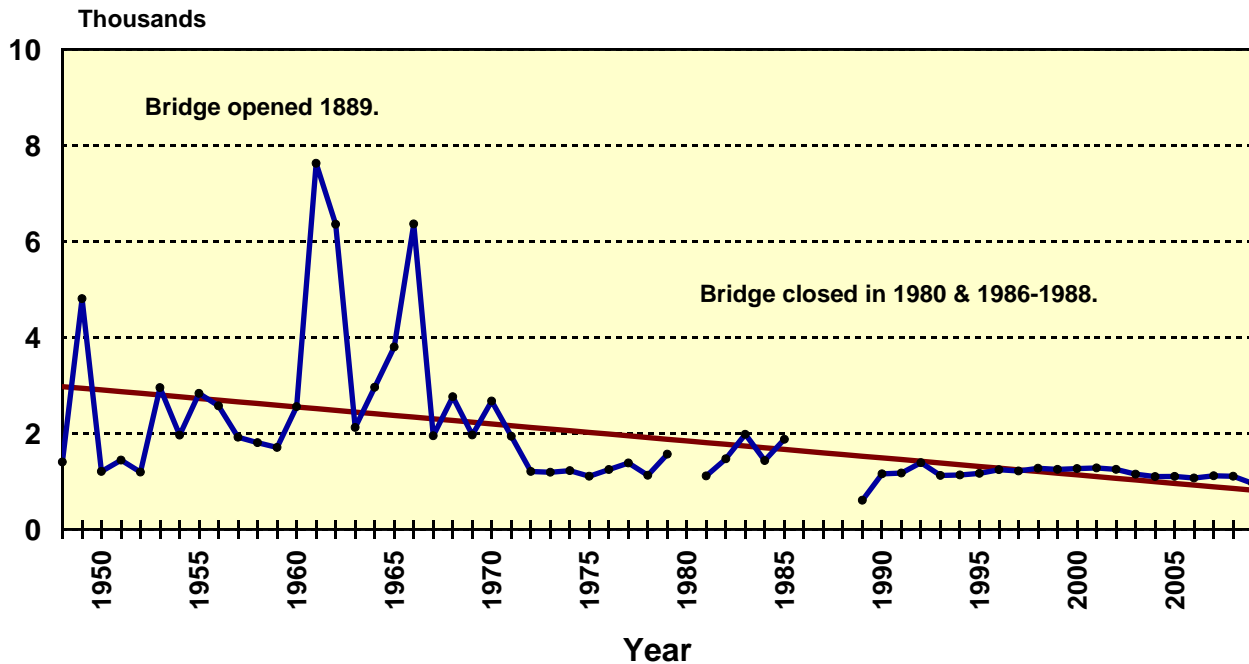
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Carroll Street Bridge - 2009



Average Daily Traffic Volumes Carroll Street Bridge 1948-2009 Growth Rate = - 2.1%



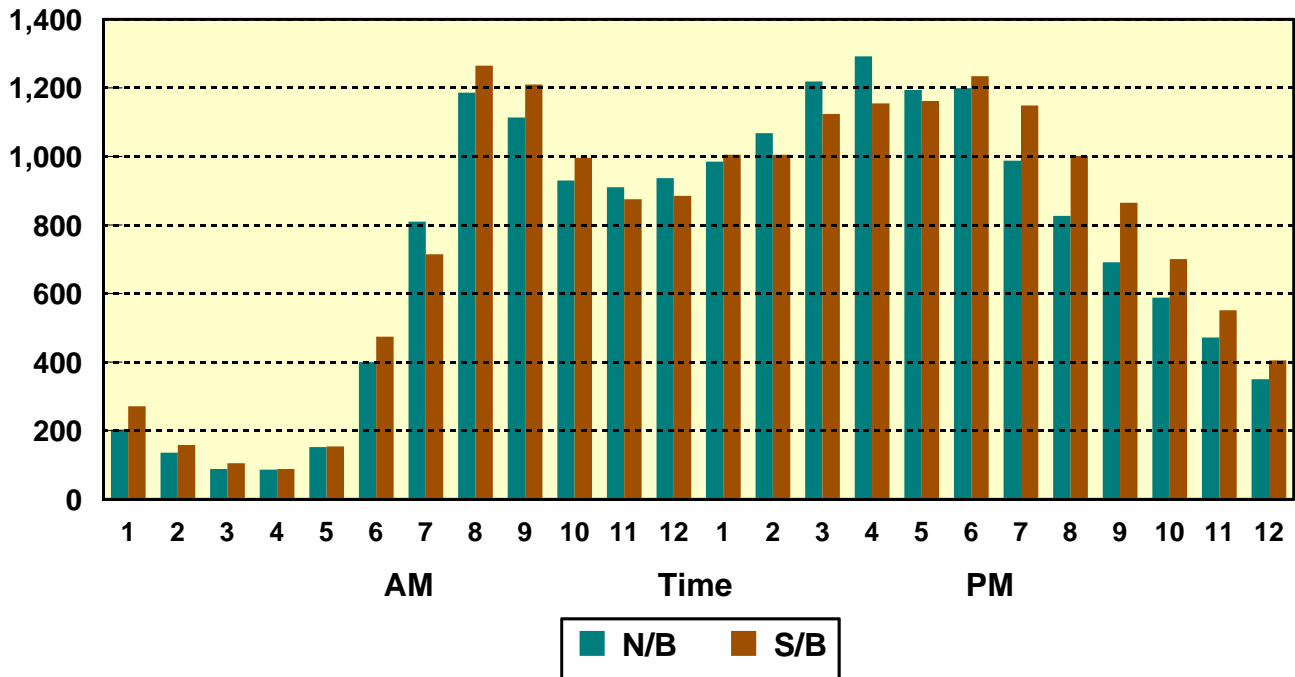
Hourly Vehicular Volumes Cropsey Avenue Bridge - 2009

	<i>Northbound</i>						<i>Southbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	203	---	---	---	---	---	271	474
1-2am	---	---	---	---	---	136	---	---	---	---	---	158	294
2-3am	---	---	---	---	---	88	---	---	---	---	---	105	193
3-4am	---	---	---	---	---	86	---	---	---	---	---	88	174
4-5am	---	---	---	---	---	152	---	---	---	---	---	154	306
5-6am	---	---	---	---	---	400	---	---	---	---	---	474	874
6-7am	---	---	---	---	---	810	---	---	---	---	---	715	1,525
7-8am	956	84	2	50	94	1,186	1,049	112	0	61	43	1,265 **	2,451 **
8-9am	930	61	3	57	63	1,114	1,029	83	2	56	40	1,210	2,324
9-10am	743	49	1	49	88	930	770	92	4	55	75	996	1,926
10-11am	797	45	0	28	40	910	774	26	0	35	40	875	1,785
11-12am	776	27	0	71	63	937	705	26	1	74	79	885	1,822
12-1pm	865	47	0	32	41	985	920	32	0	29	24	1,005	1,990
1-2pm	918	68	0	35	47	1,068	907	35	1	23	39	1,005	2,073
2-3pm	963	93	3	73	87	1,219	931	53	0	63	77	1,124	2,343
3-4pm	1,106	104	1	36	45	1,292 **	993	79	2	26	55	1,155	2,447
4-5pm	1,011	46	0	61	76	1,194	986	56	0	27	93	1,162	2,356
5-6pm	1,041	13	0	66	79	1,199	1,045	22	10	49	108	1,234	2,433
6-7pm	882	22	0	36	48	988	1,048	8	0	17	76	1,149	2,137
7-8pm	---	---	---	---	---	827	---	---	---	---	---	1,002	1,829
8-9pm	---	---	---	---	---	691	---	---	---	---	---	865	1,556
9-10pm	---	---	---	---	---	588	---	---	---	---	---	701	1,289
10-11pm	---	---	---	---	---	472	---	---	---	---	---	551	1,023
11-12pm	---	---	---	---	---	350	---	---	---	---	---	405	755
Totals	---	---	---	---	---	17,825	---	---	---	---	---	18,554	36,379
7-10am	2,629	194	6	156	245	3,230	2,848	287	6	172	158	3,471	6,701
10am-1pm	2,438	119	0	131	144	2,832	2,399	84	1	138	143	2,765	5,597
1-4pm	2,987	265	4	144	179	3,579	2,831	167	3	112	171	3,284	6,863
4-7pm	2,934	81	0	163	203	3,381	3,079	86	10	93	277	3,545	6,926
7am-7pm	10,988	659	10	594	771	13,022	11,157	624	20	515	749	13,065	26,087

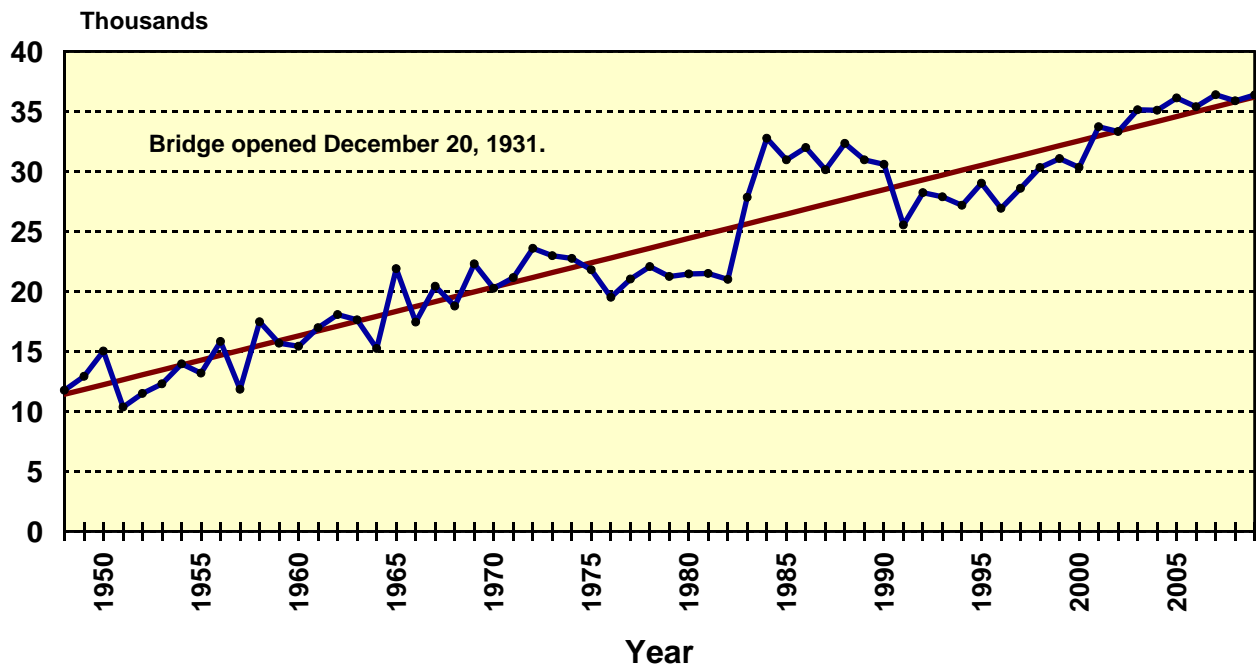
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Cropsey Avenue Bridge - 2009



Average Daily Traffic Volumes Cropsey Avenue Bridge 1948-2009 Growth Rate = 1.9%



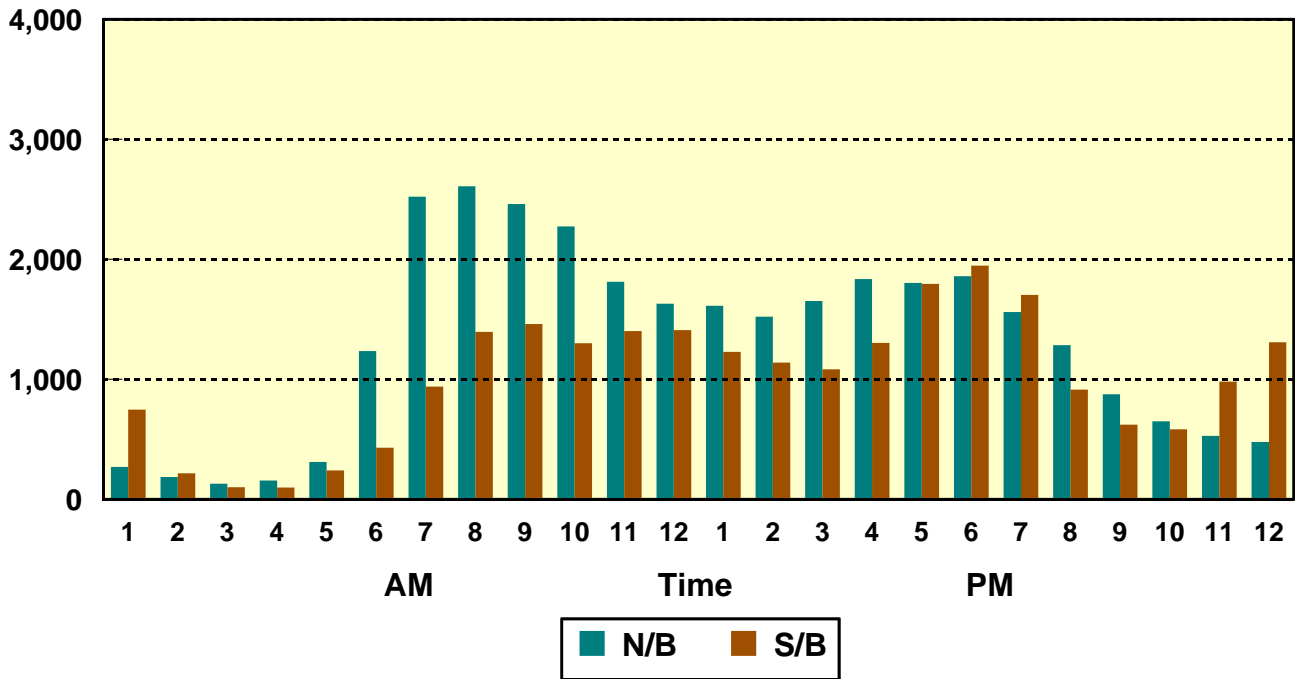
Hourly Vehicular Volumes Hamilton Avenue Bridge - 2009

	<i>Northbound</i>						<i>Southbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	270	---	---	---	---	---	746	1,016
1-2am	---	---	---	---	---	185	---	---	---	---	---	216	401
2-3am	---	---	---	---	---	129	---	---	---	---	---	99	228
3-4am	---	---	---	---	---	156	---	---	---	---	---	97	253
4-5am	---	---	---	---	---	311	---	---	---	---	---	240	551
5-6am	---	---	---	---	---	1,234	---	---	---	---	---	430	1,664
6-7am	---	---	---	---	---	2,522	---	---	---	---	---	938	3,460
7-8am	2,115	30	39	195	230	2,609 **	495	51	208	426	215	1,395	4,004 **
8-9am	1,939	11	36	216	259	2,461	819	47	79	328	186	1,459	3,920
9-10am	1,751	25	31	234	233	2,274	531	50	92	446	181	1,300	3,574
10-11am	1,553	12	14	120	113	1,812	984	36	58	208	116	1,402	3,214
11-12am	1,252	14	17	176	171	1,630	609	24	142	367	267	1,409	3,039
12-1pm	1,455	8	8	75	66	1,612	935	6	61	134	92	1,228	2,840
1-2pm	1,327	21	8	100	65	1,521	823	12	47	156	100	1,138	2,659
2-3pm	1,225	43	18	190	176	1,652	458	12	106	271	236	1,083	2,735
3-4pm	1,555	59	9	113	99	1,835	1,045	14	61	99	84	1,303	3,138
4-5pm	1,435	48	13	149	158	1,803	1,302	12	133	172	176	1,795	3,598
5-6pm	1,534	15	14	162	133	1,858	1,555	8	99	106	178	1,946 **	3,804
6-7pm	1,341	6	13	73	126	1,559	1,409	9	100	76	109	1,703	3,262
7-8pm	---	---	---	---	---	1,284	---	---	---	---	---	913	2,197
8-9pm	---	---	---	---	---	874	---	---	---	---	---	621	1,495
9-10pm	---	---	---	---	---	650	---	---	---	---	---	583	1,233
10-11pm	---	---	---	---	---	528	---	---	---	---	---	980	1,508
11-12pm	---	---	---	---	---	477	---	---	---	---	---	1,307	1,784
Totals	---	---	---	---	---	31,246	---	---	---	---	---	24,331	55,577
7-10am	5,805	66	106	645	722	7,344	1,845	148	379	1,200	582	4,154	11,498
10am-1pm	4,260	34	39	371	350	5,054	2,528	66	261	709	475	4,039	9,093
1-4pm	4,107	123	35	403	340	5,008	2,326	38	214	526	420	3,524	8,532
4-7pm	4,310	69	40	384	417	5,220	4,266	29	332	354	463	5,444	10,664
7am-7pm	18,482	292	220	1,803	1,829	22,626	10,965	281	1,186	2,789	1,940	17,161	39,787

Based on 1989 Classification Survey Data

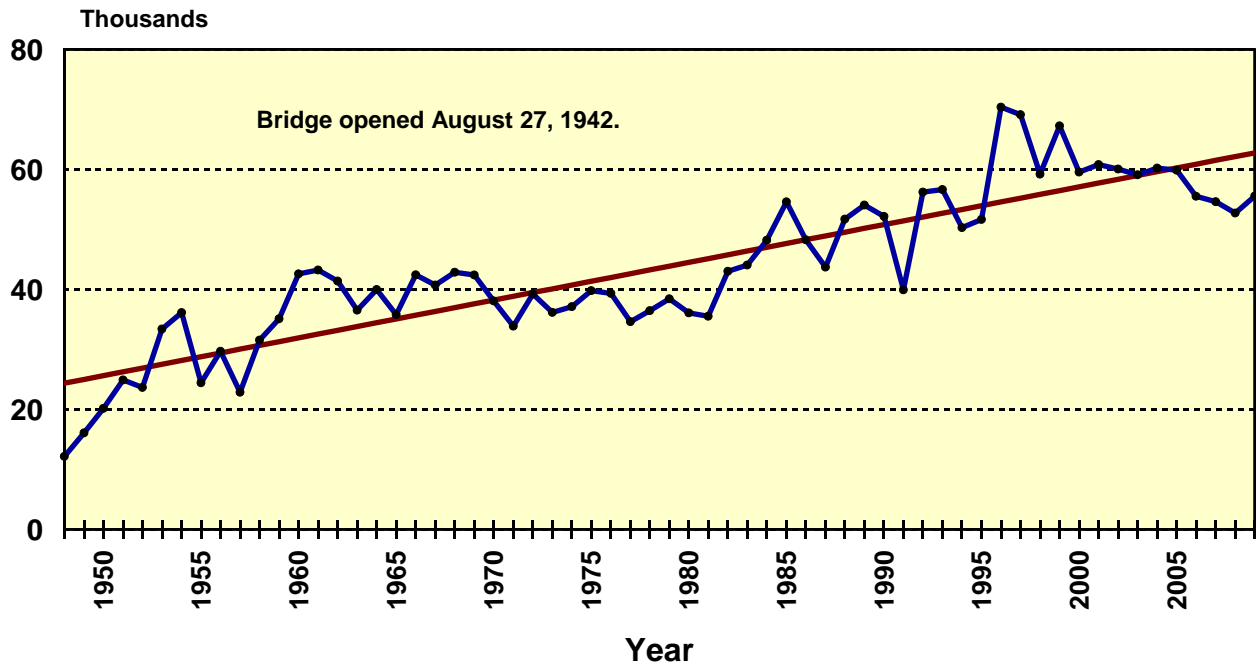
** Peak Volumes

Hourly Vehicular Volumes Hamilton Avenue Bridge - 2009



Average Daily Traffic Volumes Hamilton Avenue Bridge

1948-2009 Growth Rate = 1.6%



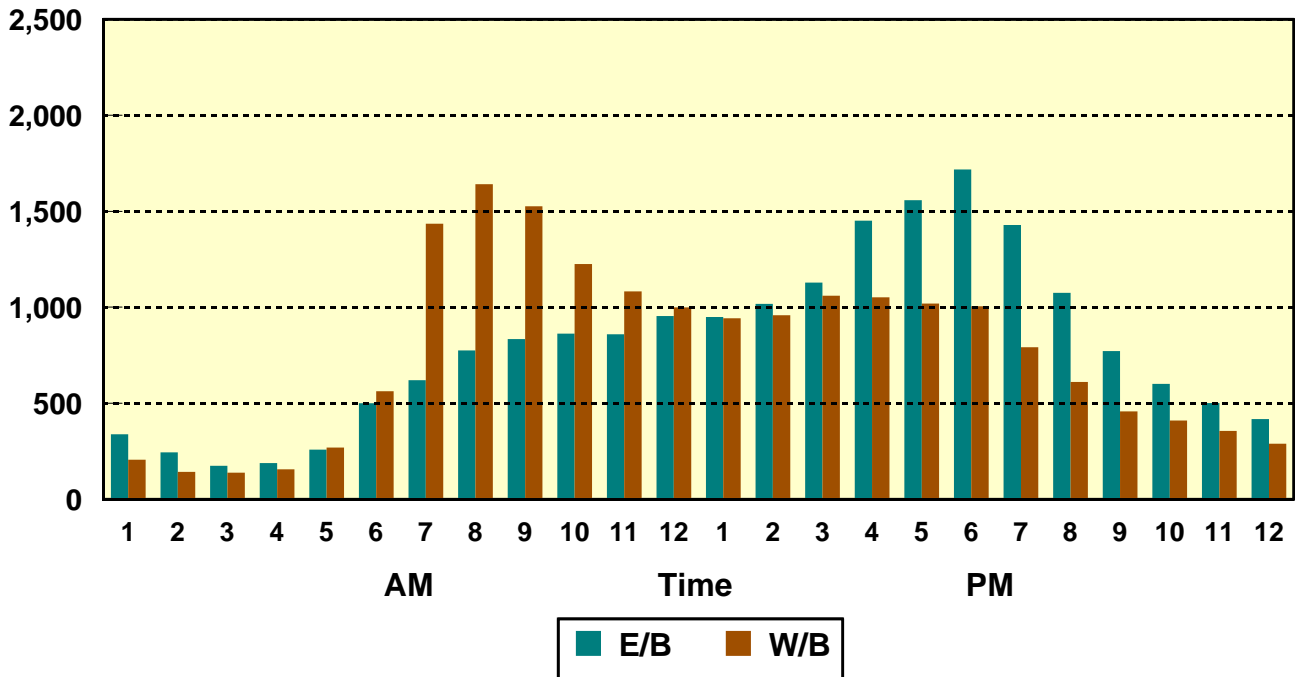
Hourly Vehicular Volumes Metropolitan Avenue Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	338	---	---	---	---	---	206	544
1-2am	---	---	---	---	---	244	---	---	---	---	---	143	387
2-3am	---	---	---	---	---	174	---	---	---	---	---	138	312
3-4am	---	---	---	---	---	188	---	---	---	---	---	156	344
4-5am	---	---	---	---	---	258	---	---	---	---	---	269	527
5-6am	---	---	---	---	---	500	---	---	---	---	---	562	1,062
6-7am	---	---	---	---	---	620	---	---	---	---	---	1,436	2,056
7-8am	580	15	15	125	40	775	1,213	35	68	232	93	1,641	2,416
8-9am	537	16	22	173	86	834	1,073	17	49	273	115	1,527	2,361
9-10am	444	38	23	255	102	862	742	35	40	301	107	1,225	2,087
10-11am	703	8	11	99	38	859	897	20	27	103	35	1,082	1,941
11-12am	561	16	27	268	82	954	627	17	45	231	79	999	1,953
12-1pm	780	16	18	103	32	949	766	15	24	103	34	942	1,891
1-2pm	827	28	9	103	51	1,018	797	21	20	83	37	958	1,976
2-3pm	781	14	32	204	97	1,128	728	18	31	195	88	1,060	2,188
3-4pm	1,217	16	31	128	59	1,451	863	21	17	101	50	1,052	2,503
4-5pm	1,151	38	64	176	129	1,558	777	13	27	136	66	1,019	2,577
5-6pm	1,304	16	81	177	140	1,718	785	9	52	86	73	1,005	2,723
6-7pm	1,134	13	62	126	94	1,429	661	11	37	43	39	791	2,220
7-8pm	---	---	---	---	---	1,075	---	---	---	---	---	611	1,686
8-9pm	---	---	---	---	---	771	---	---	---	---	---	457	1,228
9-10pm	---	---	---	---	---	601	---	---	---	---	---	410	1,011
10-11pm	---	---	---	---	---	501	---	---	---	---	---	356	857
11-12pm	---	---	---	---	---	418	---	---	---	---	---	289	707
Totals	---	---	---	---	---	19,223	---	---	---	---	---	18,334	37,557
7-10am	1,561	69	60	553	228	2,471	3,028	87	157	806	315	4,393	6,864
10am-1pm	2,044	40	56	470	152	2,762	2,290	52	96	437	148	3,023	5,785
1-4pm	2,825	58	72	435	207	3,597	2,388	60	68	379	175	3,070	6,667
4-7pm	3,589	67	207	479	363	4,705	2,223	33	116	265	178	2,815	7,520
7am-7pm	10,019	234	395	1,937	950	13,535	9,929	232	437	1,887	816	13,301	26,836

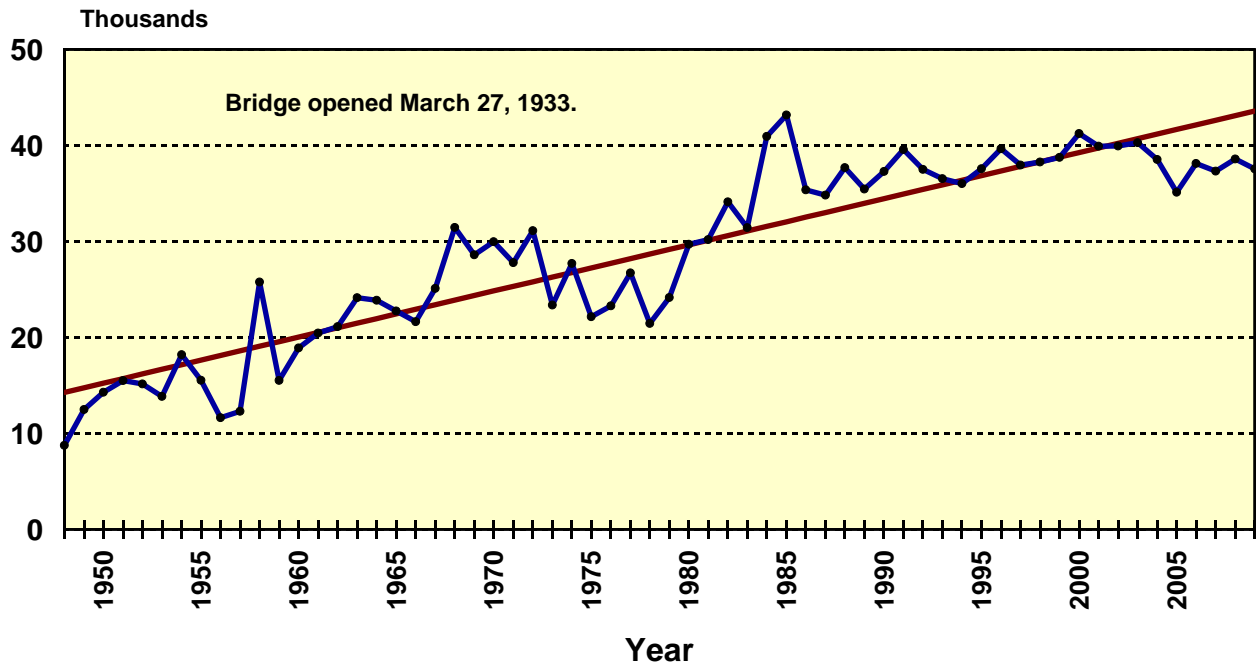
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Metropolitan Avenue Bridge - 2009



Average Daily Traffic Volumes Metropolitan Avenue Bridge 1948-2009 Growth Rate = 1.8%



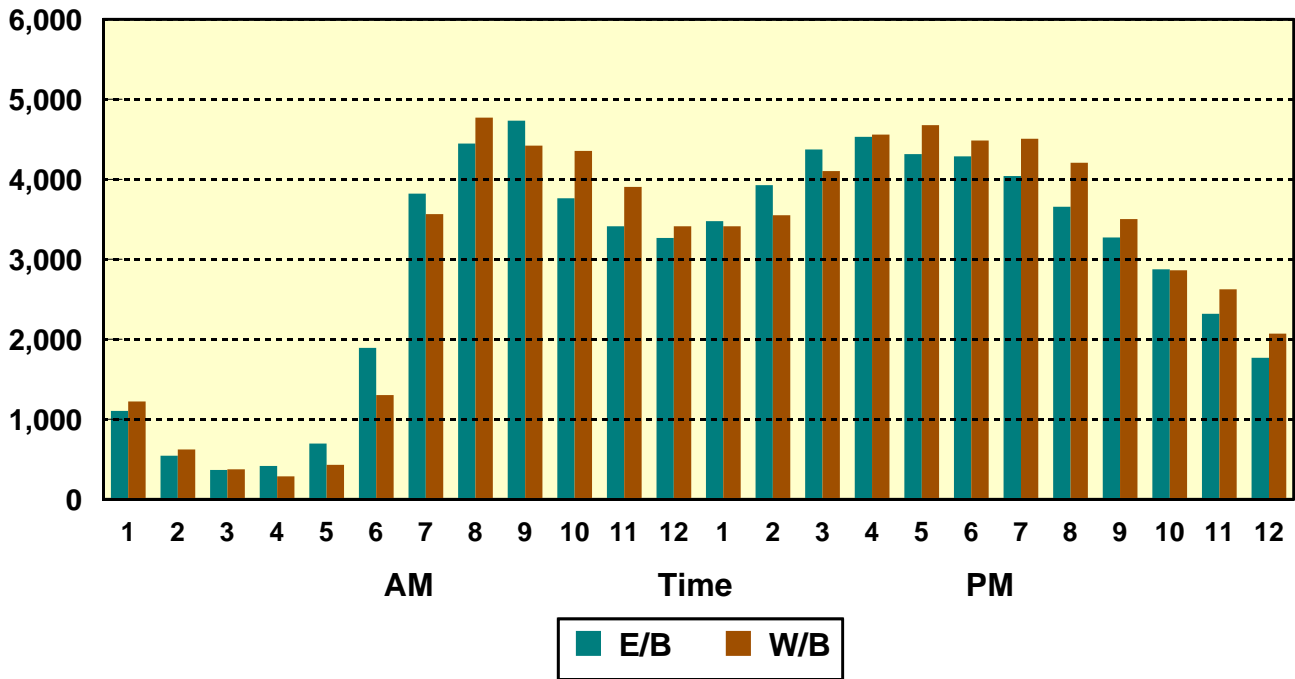
Hourly Vehicular Volumes Mill Basin Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	1,104	---	---	---	---	---	1,223	2,327
1-2am	---	---	---	---	---	545	---	---	---	---	---	623	1,168
2-3am	---	---	---	---	---	366	---	---	---	---	---	374	740
3-4am	---	---	---	---	---	416	---	---	---	---	---	286	702
4-5am	---	---	---	---	---	696	---	---	---	---	---	430	1,126
5-6am	---	---	---	---	---	1,891	---	---	---	---	---	1,303	3,194
6-7am	---	---	---	---	---	3,820	---	---	---	---	---	3,566	7,386
7-8am	4,138	58	21	5	225	4,447	4,443	20	0	139	169	4,771	9,218
8-9am	4,478	18	16	17	204	4,733	4,045	52	0	117	206	4,420	9,153
9-10am	3,467	9	17	23	248	3,764	3,954	77	1	120	204	4,356	8,120
10-11am	3,289	8	11	14	90	3,412	3,777	19	0	40	69	3,905	7,317
11-12am	2,890	4	63	30	281	3,268	3,084	0	5	163	162	3,414	6,682
12-1pm	3,321	5	21	15	116	3,478	3,215	0	0	75	123	3,413	6,891
1-2pm	3,677	101	15	13	122	3,928	3,424	10	0	38	79	3,551	7,479
2-3pm	3,965	41	27	16	324	4,373	3,803	7	0	116	177	4,103	8,476
3-4pm	4,327	25	16	6	156	4,530	4,281	77	0	84	117	4,559	9,089
4-5pm	4,018	13	38	7	240	4,316	4,296	43	2	134	203	4,678	8,994
5-6pm	4,053	6	18	14	196	4,287	4,151	31	3	134	166	4,485	8,772
6-7pm	3,822	4	15	5	195	4,041	4,228	3	1	112	163	4,507	8,548
7-8pm	---	---	---	---	---	3,657	---	---	---	---	---	4,207	7,864
8-9pm	---	---	---	---	---	3,274	---	---	---	---	---	3,503	6,777
9-10pm	---	---	---	---	---	2,874	---	---	---	---	---	2,860	5,734
10-11pm	---	---	---	---	---	2,317	---	---	---	---	---	2,625	4,942
11-12pm	---	---	---	---	---	1,768	---	---	---	---	---	2,069	3,837
Totals	---	---	---	---	---	71,305	---	---	---	---	---	73,231	144,536
7-10am	12,083	85	54	45	677	12,944	12,442	149	1	376	579	13,547	26,491
10am-1pm	9,500	17	95	59	487	10,158	10,076	19	5	278	354	10,732	20,890
1-4pm	11,969	167	58	35	602	12,831	11,508	94	0	238	373	12,213	25,044
4-7pm	11,893	23	71	26	631	12,644	12,675	77	6	380	532	13,670	26,314
7am-7pm	45,445	292	278	165	2,397	48,577	46,701	339	12	1,272	1,838	50,162	98,739

Based on 1989 Classification Survey Data

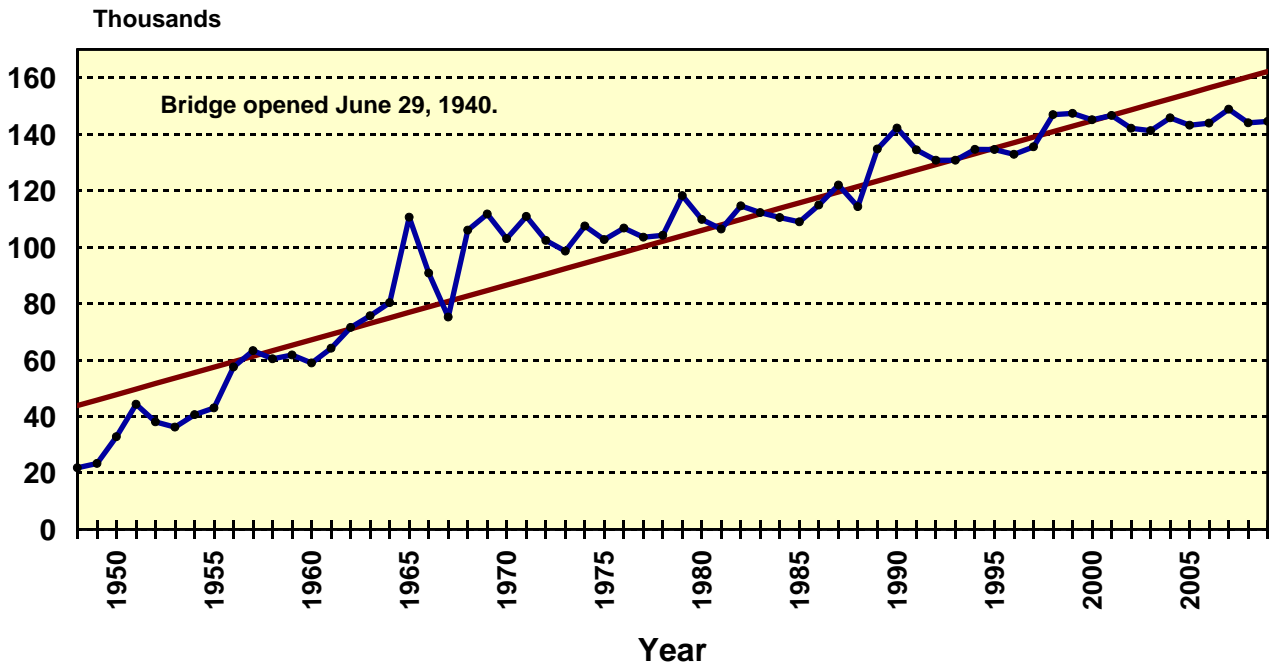
** Peak Volumes

Hourly Vehicular Volumes Mill Basin Bridge - 2009



Average Daily Traffic Volumes Mill Basin Bridge

1948-2009 Growth Rate = 2.2%



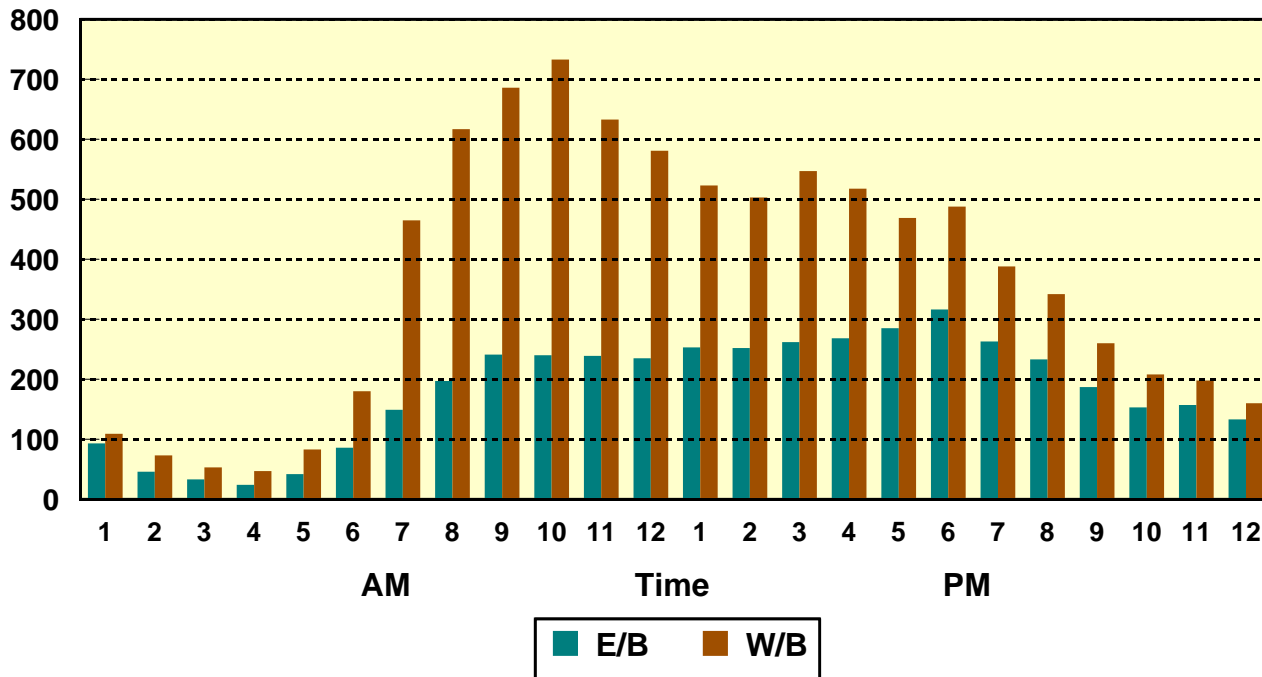
Hourly Vehicular Volumes Ninth Street Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	93	---	---	---	---	---	109	202
1-2am	---	---	---	---	---	46	---	---	---	---	---	73	119
2-3am	---	---	---	---	---	33	---	---	---	---	---	53	86
3-4am	---	---	---	---	---	24	---	---	---	---	---	47	71
4-5am	---	---	---	---	---	42	---	---	---	---	---	83	125
5-6am	---	---	---	---	---	86	---	---	---	---	---	180	266
6-7am	---	---	---	---	---	149	---	---	---	---	---	465	614
7-8am	144	20	5	17	11	197	499	13	0	57	48	617	814
8-9am	149	21	9	47	15	241	574	6	0	59	47	686	927
9-10am	152	18	4	45	21	240	616	15	0	63	39	733	973 **
10-11am	186	18	4	20	11	239	571	14	0	26	22	633	872
11-12am	157	14	10	44	10	235	365	40	0	121	55	581	816
12-1pm	194	12	11	25	11	253	345	36	0	96	46	523	776
1-2pm	121	15	16	84	16	252	380	9	50	32	32	503	755
2-3pm	161	17	12	52	20	262	423	24	20	46	34	547	809
3-4pm	217	13	2	21	15	268	434	25	0	37	22	518	786
4-5pm	215	12	6	31	21	285	362	16	0	56	35	469	754
5-6pm	244	20	1	37	14	316 **	412	28	0	28	20	488	804
6-7pm	180	17	1	47	18	263	351	11	0	16	10	388	651
7-8pm	---	---	---	---	---	233	---	---	---	---	---	342	575
8-9pm	---	---	---	---	---	187	---	---	---	---	---	260	447
9-10pm	---	---	---	---	---	153	---	---	---	---	---	208	361
10-11pm	---	---	---	---	---	157	---	---	---	---	---	198	355
11-12pm	---	---	---	---	---	133	---	---	---	---	---	160	293
Totals	---	---	---	---	---	4,387	---	---	---	---	---	8,864	13,251
7-10am	445	59	18	109	47	678	1,689	34	0	179	134	2,036	2,714
10am-1pm	537	44	25	89	32	727	1,281	90	0	243	123	1,737	2,464
1-4pm	499	45	30	157	51	782	1,237	58	70	115	88	1,568	2,350
4-7pm	639	49	8	115	53	864	1,125	55	0	100	65	1,345	2,209
7am-7pm	2,120	197	81	470	183	3,051	5,332	237	70	637	410	6,686	9,737

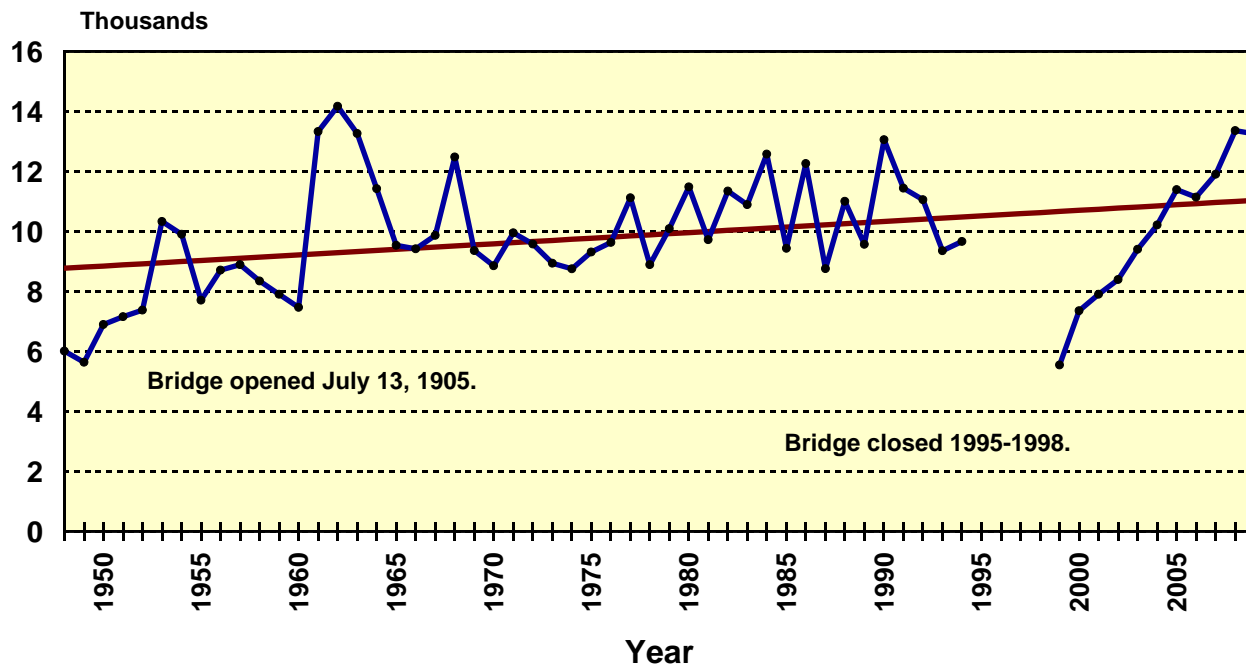
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Ninth Street Bridge - 2009



Average Daily Traffic Volumes Ninth Street Bridge 1948-2009 Growth Rate = 0.4%



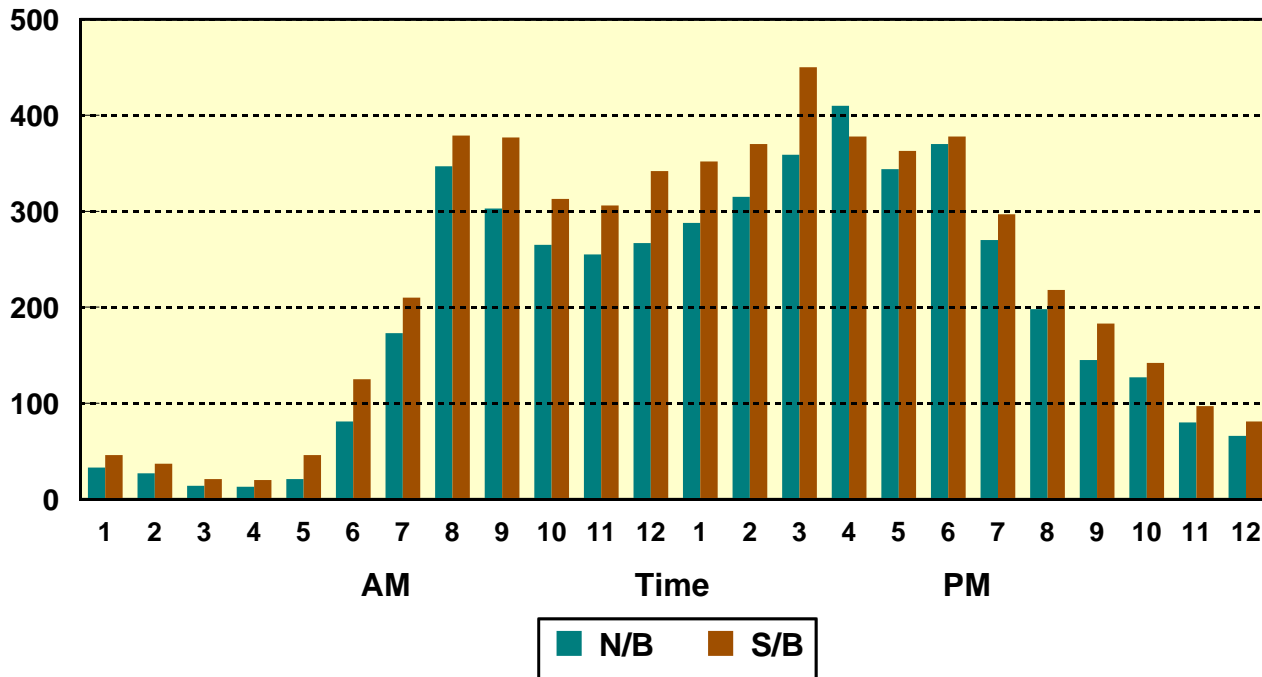
Hourly Vehicular Volumes Stillwell Avenue Bridge - 2009

	<i>Northbound</i>						<i>Southbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	33	---	---	---	---	---	46	79
1-2am	---	---	---	---	---	27	---	---	---	---	---	37	64
2-3am	---	---	---	---	---	14	---	---	---	---	---	21	35
3-4am	---	---	---	---	---	13	---	---	---	---	---	20	33
4-5am	---	---	---	---	---	21	---	---	---	---	---	46	67
5-6am	---	---	---	---	---	81	---	---	---	---	---	125	206
6-7am	---	---	---	---	---	173	---	---	---	---	---	210	383
7-8am	276	26	0	45	0	347	294	64	0	21	0	379	726
8-9am	230	31	0	42	0	303	312	41	0	24	0	377	680
9-10am	198	31	0	36	0	265	204	19	0	90	0	313	578
10-11am	182	28	0	45	0	255	220	24	0	62	0	306	561
11-12am	200	11	0	56	0	267	274	17	0	51	0	342	609
12-1pm	202	13	0	73	0	288	283	20	0	49	0	352	640
1-2pm	212	24	0	79	0	315	269	23	0	78	0	370	685
2-3pm	257	31	0	71	0	359	294	34	0	122	0	450 **	809 **
3-4pm	317	43	0	50	0	410 **	308	20	0	50	0	378	788
4-5pm	265	36	0	43	0	344	294	22	0	47	0	363	707
5-6pm	323	25	0	22	0	370	322	20	0	36	0	378	748
6-7pm	233	25	0	12	0	270	261	24	0	12	0	297	567
7-8pm	---	---	---	---	---	198	---	---	---	---	---	218	416
8-9pm	---	---	---	---	---	145	---	---	---	---	---	183	328
9-10pm	---	---	---	---	---	127	---	---	---	---	---	142	269
10-11pm	---	---	---	---	---	80	---	---	---	---	---	97	177
11-12pm	---	---	---	---	---	66	---	---	---	---	---	81	147
Totals	---	---	---	---	---	4,771	---	---	---	---	---	5,531	10,302
7-10am	704	88	0	123	0	915	810	124	0	135	0	1,069	1,984
10am-1pm	584	52	0	174	0	810	777	61	0	162	0	1,000	1,810
1-4pm	786	98	0	200	0	1,084	871	77	0	250	0	1,198	2,282
4-7pm	821	86	0	77	0	984	877	66	0	95	0	1,038	2,022
7am-7pm	2,895	324	0	574	0	3,793	3,335	328	0	642	0	4,305	8,098

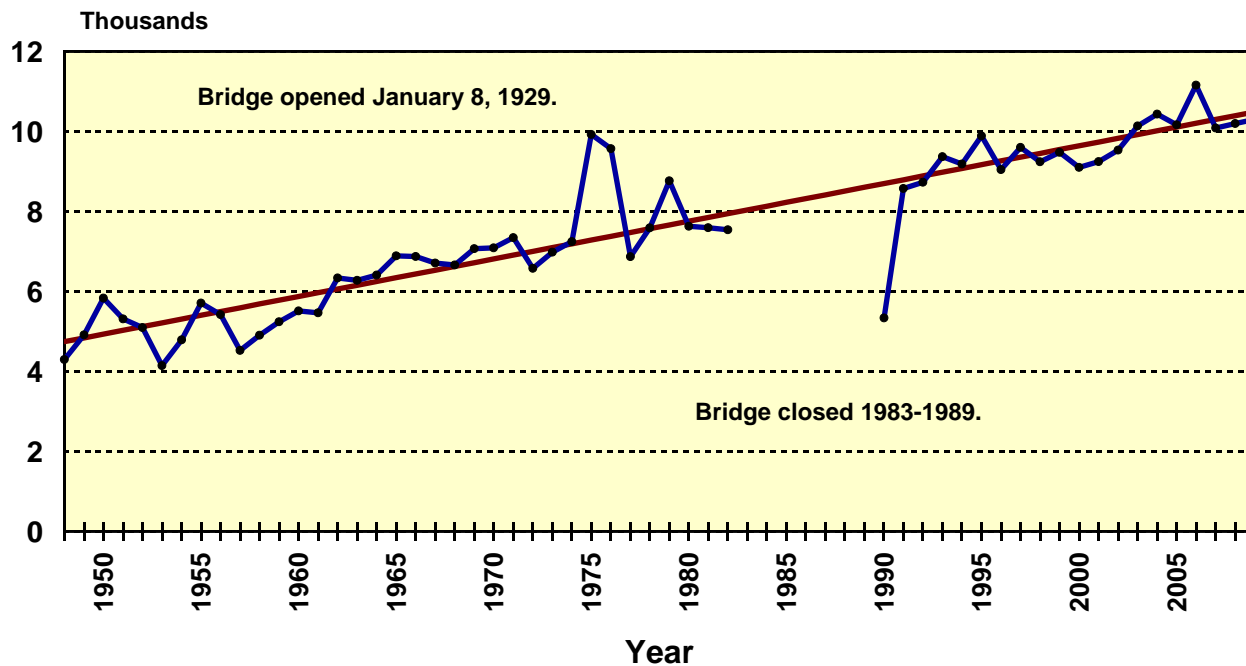
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Stillwell Avenue Bridge - 2009



Average Daily Traffic Volumes Stillwell Avenue Bridge 1948-2009 Growth Rate = 1.3%



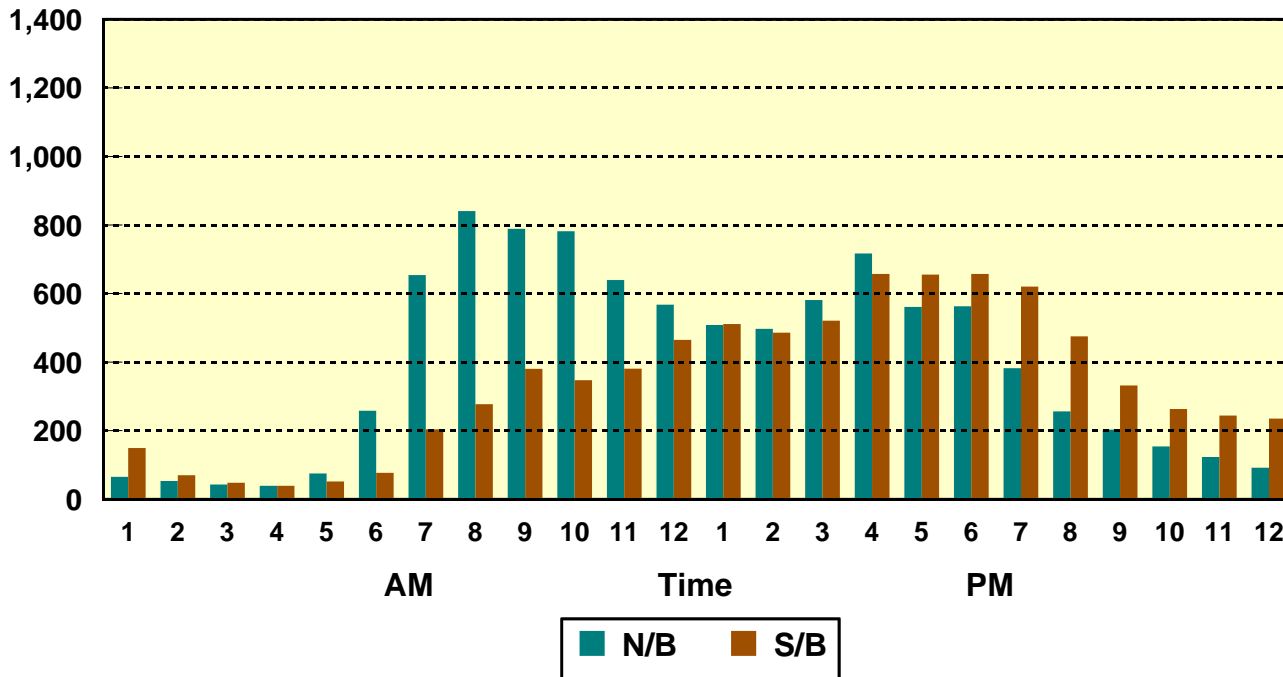
Hourly Vehicular Volumes Third Avenue Bridge - 2009

	<i>Northbound</i>						<i>Southbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	65	---	---	---	---	---	149	214
1-2am	---	---	---	---	---	53	---	---	---	---	---	70	123
2-3am	---	---	---	---	---	43	---	---	---	---	---	48	91
3-4am	---	---	---	---	---	39	---	---	---	---	---	39	78
4-5am	---	---	---	---	---	75	---	---	---	---	---	52	127
5-6am	---	---	---	---	---	258	---	---	---	---	---	77	335
6-7am	---	---	---	---	---	654	---	---	---	---	---	204	858
7-8am	665	13	0	94	69	841 **	205	6	0	37	29	277	1,118
8-9am	654	9	0	67	59	789	276	11	0	61	32	380	1,169
9-10am	494	10	0	165	113	782	243	6	2	58	38	347	1,129
10-11am	553	10	0	41	35	639	320	4	1	32	24	381	1,020
11-12am	415	8	1	89	54	567	348	5	0	66	46	465	1,032
12-1pm	457	3	0	28	20	508	451	4	1	29	26	511	1,019
1-2pm	393	8	0	56	40	497	421	5	0	32	28	486	983
2-3pm	377	16	0	109	79	581	380	6	0	85	50	521	1,102
3-4pm	594	16	0	57	50	717	597	6	0	23	31	657 **	1,374 **
4-5pm	437	8	0	56	60	561	531	6	0	54	64	655	1,216
5-6pm	492	6	0	26	39	563	569	3	0	37	48	657 **	1,220
6-7pm	330	8	0	26	18	382	527	5	0	38	50	620	1,002
7-8pm	---	---	---	---	---	256	---	---	---	---	---	475	731
8-9pm	---	---	---	---	---	203	---	---	---	---	---	332	535
9-10pm	---	---	---	---	---	154	---	---	---	---	---	263	417
10-11pm	---	---	---	---	---	123	---	---	---	---	---	244	367
11-12pm	---	---	---	---	---	92	---	---	---	---	---	235	327
Totals	---	---	---	---	---	9,442	---	---	---	---	---	8,145	17,587
7-10am	1,813	32	0	326	241	2,412	724	23	2	156	99	1,004	3,416
10am-1pm	1,425	21	1	158	109	1,714	1,119	13	2	127	96	1,357	3,071
1-4pm	1,364	40	0	222	169	1,795	1,398	17	0	140	109	1,664	3,459
4-7pm	1,259	22	0	108	117	1,506	1,627	14	0	129	162	1,932	3,438
7am-7pm	5,861	115	1	814	636	7,427	4,868	67	4	552	466	5,957	13,384

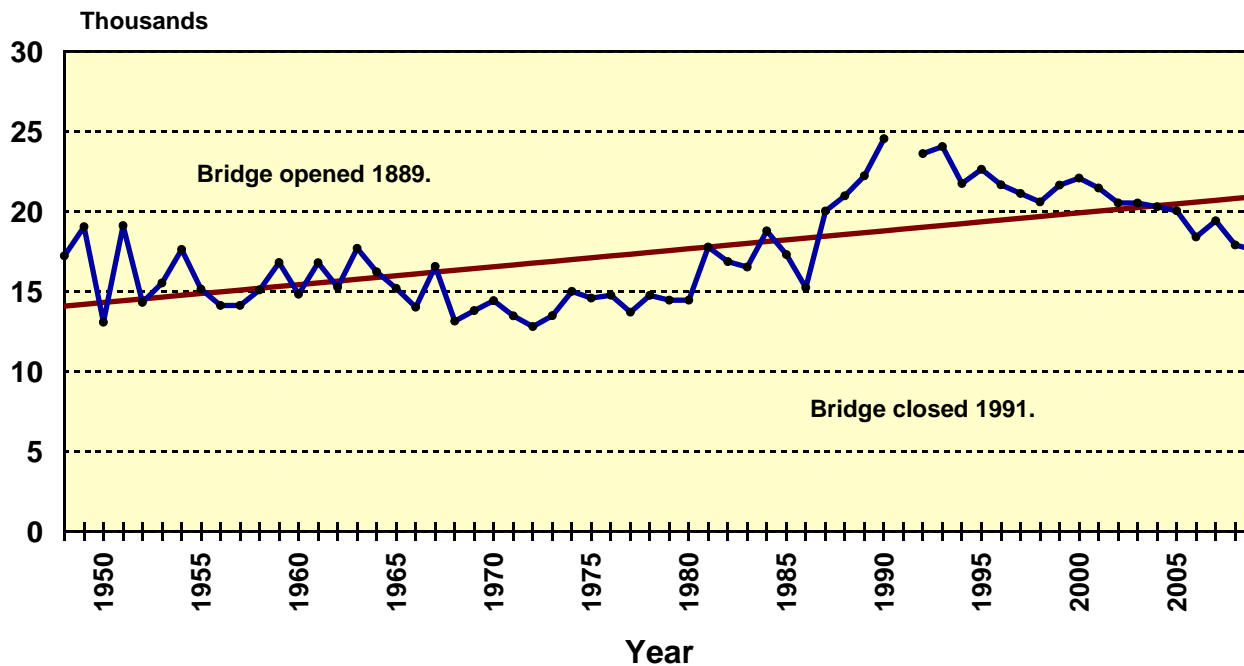
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Third Avenue Bridge (Brooklyn) - 2009



Average Daily Traffic Volumes Third Avenue Bridge (Brooklyn) 1948-2009 Growth Rate = 0.7%



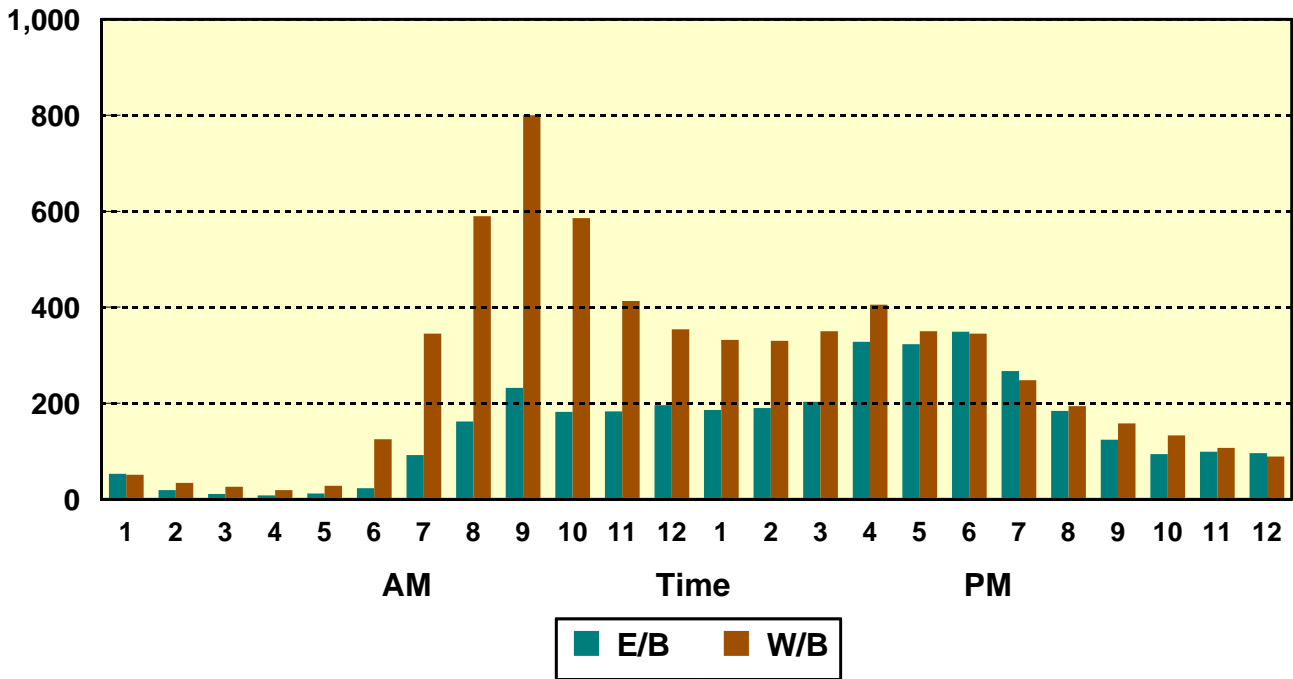
Hourly Vehicular Volumes Third Street Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	53	---	---	---	---	---	51	104
1-2am	---	---	---	---	---	19	---	---	---	---	---	34	53
2-3am	---	---	---	---	---	11	---	---	---	---	---	26	37
3-4am	---	---	---	---	---	8	---	---	---	---	---	19	27
4-5am	---	---	---	---	---	12	---	---	---	---	---	28	40
5-6am	---	---	---	---	---	23	---	---	---	---	---	125	148
6-7am	---	---	---	---	---	92	---	---	---	---	---	345	437
7-8am	128	5	0	16	13	162	503	12	5	29	41	590	752
8-9am	199	0	0	19	14	232	694	8	4	37	57	800	1,032
9-10am	138	0	0	19	25	182	489	1	1	44	51	586	768
10-11am	169	0	0	7	7	183	356	0	0	29	28	413	596
11-12am	158	0	2	26	10	196	231	3	2	63	55	354	550
12-1pm	169	0	0	8	9	186	290	3	0	24	15	332	518
1-2pm	183	0	0	0	7	190	266	11	12	22	19	330	520
2-3pm	183	0	0	12	8	203	234	7	35	54	20	350	553
3-4pm	302	11	0	11	4	328	339	12	18	24	12	405	733
4-5pm	292	0	0	10	21	323	276	3	20	37	14	350	673
5-6pm	309	0	0	14	26	349	294	4	16	31	0	345	694
6-7pm	258	0	0	7	2	267	205	4	21	16	2	248	515
7-8pm	---	---	---	---	---	184	---	---	---	---	---	194	378
8-9pm	---	---	---	---	---	124	---	---	---	---	---	158	282
9-10pm	---	---	---	---	---	94	---	---	---	---	---	133	227
10-11pm	---	---	---	---	---	99	---	---	---	---	---	107	206
11-12pm	---	---	---	---	---	96	---	---	---	---	---	89	185
Totals	---	---	---	---	---	3,616	---	---	---	---	---	6,412	10,028
7-10am	465	5	0	54	52	576	1,686	21	10	110	149	1,976	2,552
10am-1pm	496	0	2	41	26	565	877	6	2	116	98	1,099	1,664
1-4pm	668	11	0	23	19	721	839	30	65	100	51	1,085	1,806
4-7pm	859	0	0	31	49	939	775	11	57	84	16	943	1,882
7am-7pm	2,488	16	2	149	146	2,801	4,177	68	134	410	314	5,103	7,904

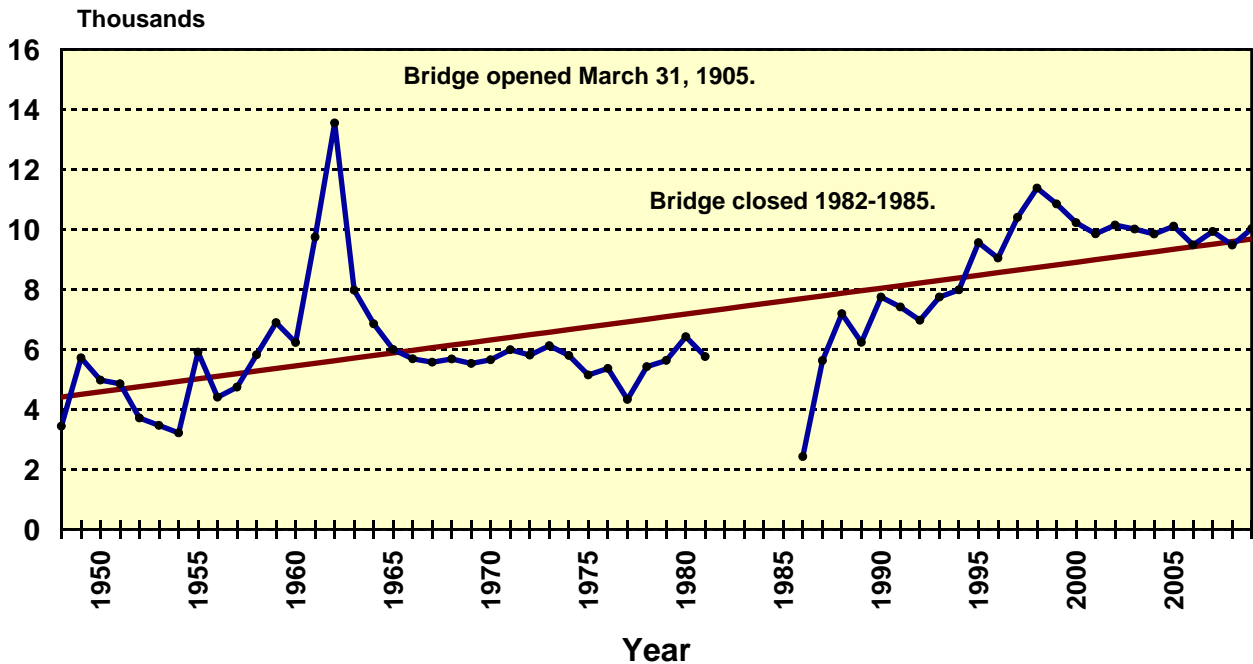
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Third Street Bridge - 2009



Average Daily Traffic Volumes Third Street Bridge 1948-2009 Growth Rate = 1.3%



Hourly Vehicular Volumes Union Street Bridge - 2009

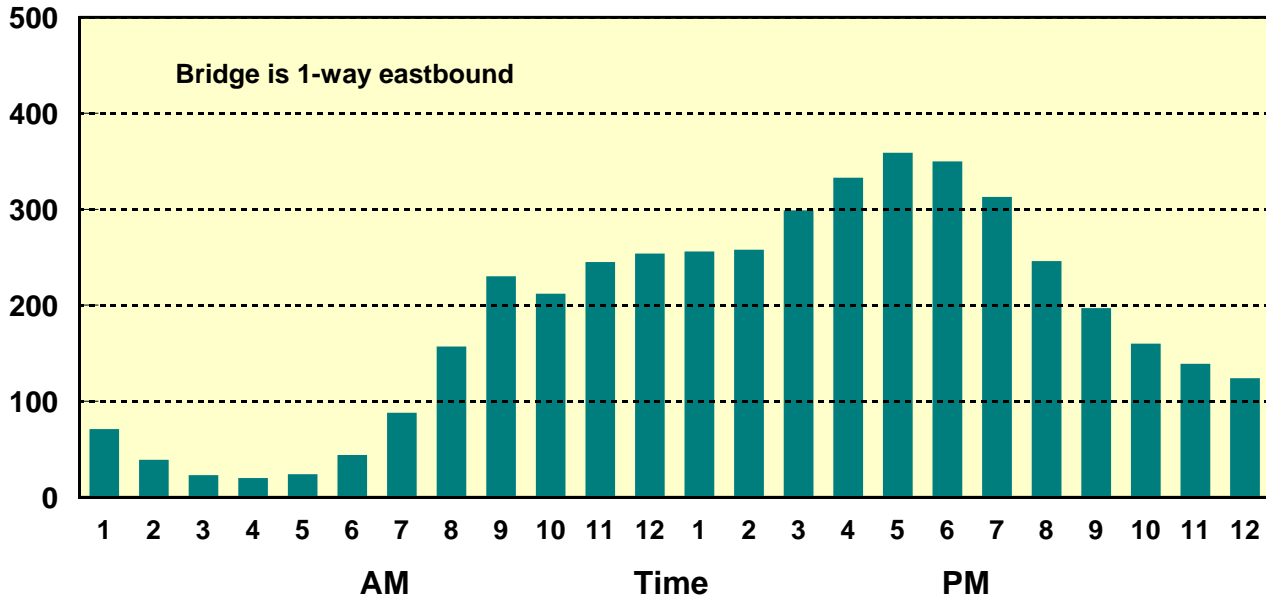
	<i>Eastbound</i>						<i>Westbound</i>						Grand Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	71							71
1-2am	---	---	---	---	---	39							39
2-3am	---	---	---	---	---	23							23
3-4am	---	---	---	---	---	20							20
4-5am	---	---	---	---	---	24							24
5-6am	---	---	---	---	---	44							44
6-7am	---	---	---	---	---	88							88
7-8am	125	7	0	12	13	157							157
8-9am	176	8	0	24	22	230							230
9-10am	158	4	0	17	33	212							212
10-11am	221	5	0	8	11	245							245
11-12am	204	2	0	23	25	254							254
12-1pm	224	1	0	10	21	256							256
1-2pm	225	5	0	14	14	258							258
2-3pm	224	4	0	41	30	299							299
3-4pm	303	3	0	15	12	333							333
4-5pm	311	2	0	20	26	359 **							359 **
5-6pm	326	1	0	6	17	350							350
6-7pm	277	1	0	15	20	313							313
7-8pm	---	---	---	---	---	246							246
8-9pm	---	---	---	---	---	197							197
9-10pm	---	---	---	---	---	160							160
10-11pm	---	---	---	---	---	139							139
11-12pm	---	---	---	---	---	124							124
Totals	---	---	---	---	---	4,441	---	---	---	---	---	---	4,441
7-10am	459	19	0	53	68	599	---	---	---	---	---	---	599
10am-1pm	649	8	0	41	57	755	---	---	---	---	---	---	755
1-4pm	752	12	0	70	56	890	---	---	---	---	---	---	890
4-7pm	914	4	0	41	63	1,022	---	---	---	---	---	---	1,022
7am-7pm	2,774	43	0	205	244	3,266	---	---	---	---	---	---	3,266

Bridge is 1-way eastbound

Based on 1989 Classification Survey Data

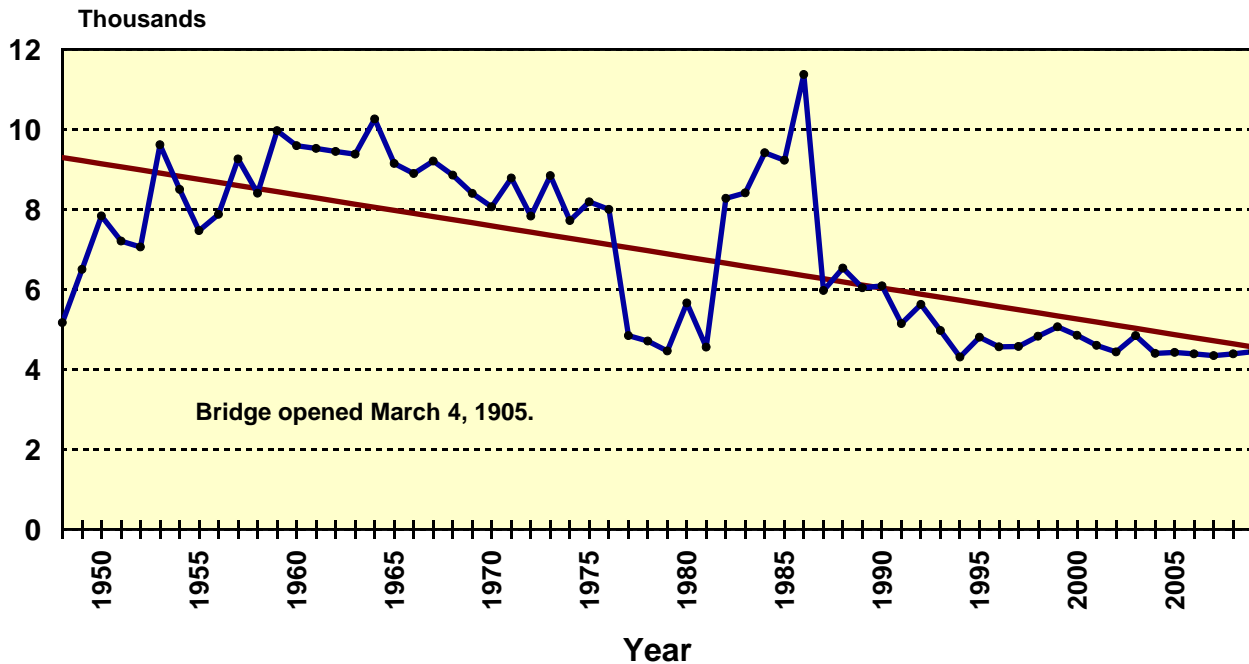
** Peak Volumes

Hourly Vehicular Volumes Union Street Bridge - 2009



Average Daily Traffic Volumes Union Street Bridge

1948-2009 Growth Rate = - 1.2%



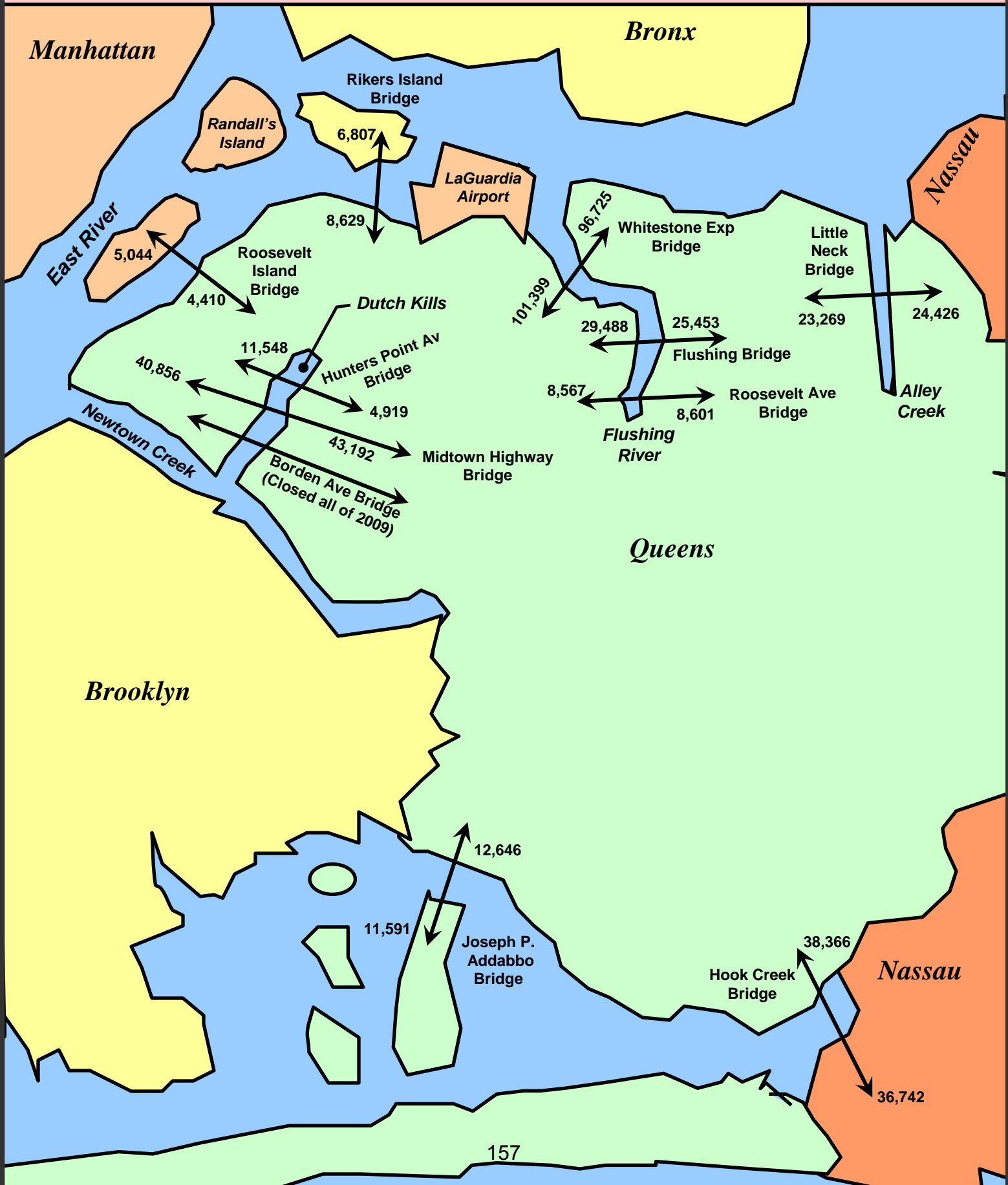
Queens Bridges



Joseph P. Addabbo Bridge

QUEENS BRIDGES

2009 Daily Volumes



**Queens Bridges ~ Average Daily Traffic Volumes
1948 - 2009**

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

* North Channel Bridge.

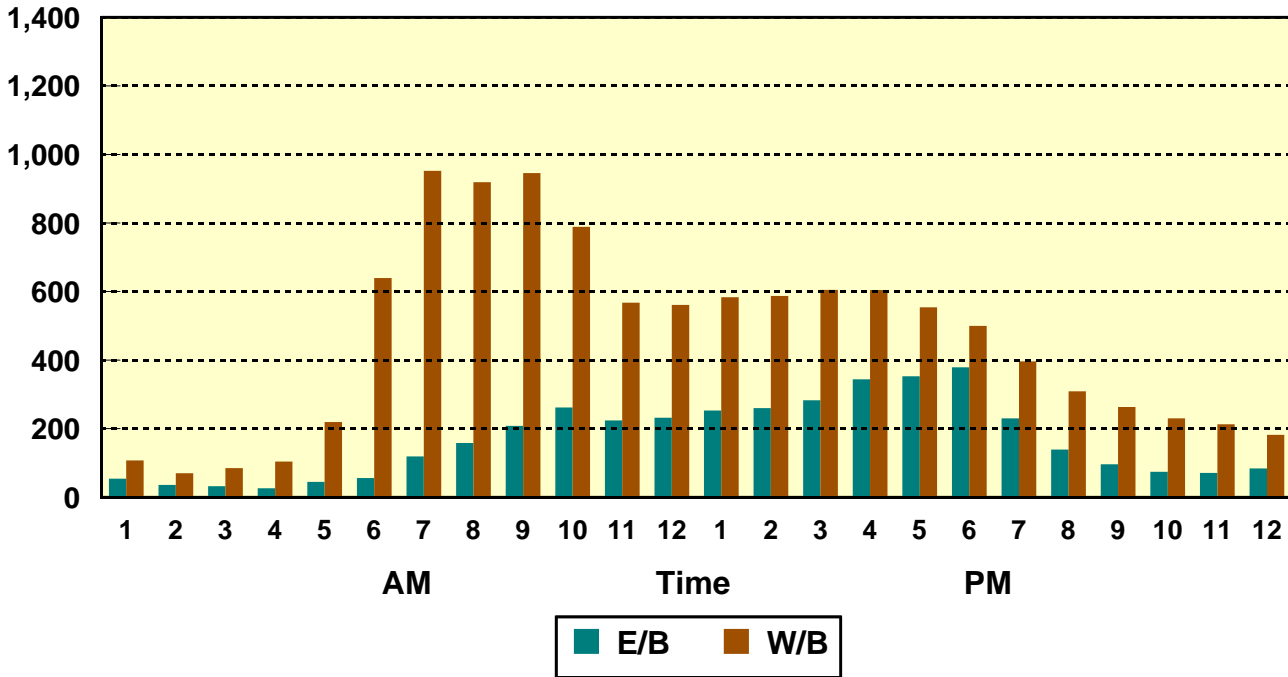
**Queens Bridges (cont'd) ~ Average Daily Traffic Volumes
1948 - 2009**

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
2009	84,048	15,436	17,168	9,454	198,124	542,678

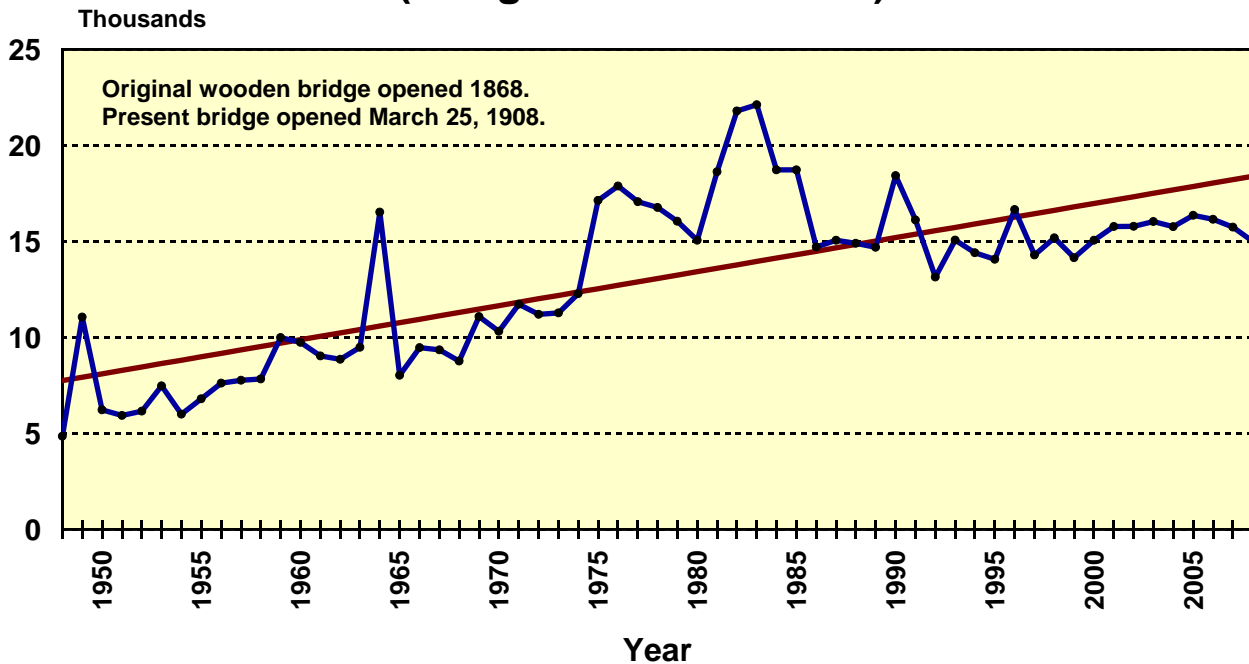
Hourly Vehicular Volumes Borden Avenue Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						<i>2-Way Totals</i>
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am													
1-2am													
2-3am													
3-4am	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
4-5am	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
5-6am	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
6-7am	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
7-8am	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
8-9am	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
9-10am	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
10-11am	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
11-12am	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
12-1pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
1-2pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
2-3pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
3-4pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
4-5pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
5-6pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
6-7pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
7-8pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
8-9pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
9-10pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
10-11pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
11-12pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
Totals	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
7-10am	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
10am-1pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
1-4pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
4-7pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												
7am-7pm	<i>Bridge closed in both directions for reconstruction throughout 2009.</i>												

Hourly Vehicular Volumes Borden Avenue Bridge - 2008 (Bridge Closed All 2009)



Average Daily Traffic Volumes Borden Avenue Bridge 1948-2008 Growth Rate = 1.5% (Bridge Closed All 2009)



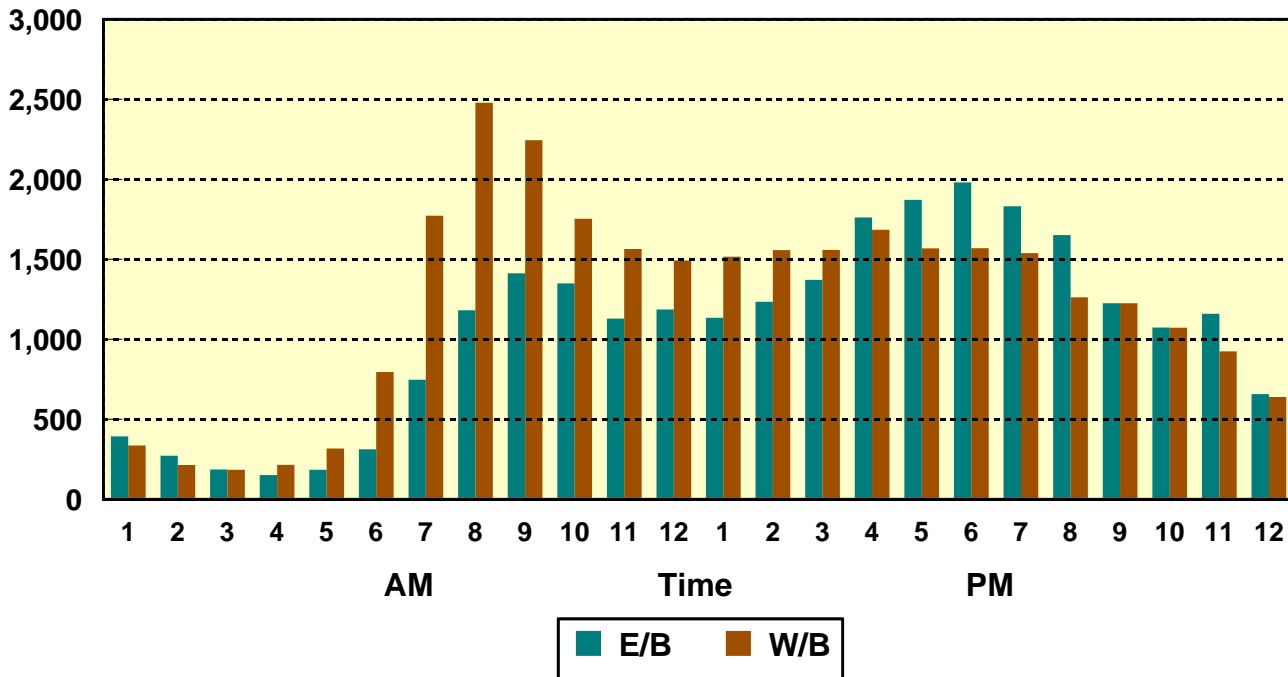
Hourly Vehicular Volumes Flushing Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	393	---	---	---	---	---	336	729
1-2am	---	---	---	---	---	272	---	---	---	---	---	214	486
2-3am	---	---	---	---	---	186	---	---	---	---	---	184	370
3-4am	---	---	---	---	---	151	---	---	---	---	---	215	366
4-5am	---	---	---	---	---	184	---	---	---	---	---	317	501
5-6am	---	---	---	---	---	312	---	---	---	---	---	795	1,107
6-7am	---	---	---	---	---	747	---	---	---	---	---	1,773	2,520
7-8am	940	41	7	81	112	1,181	2,086	13	53	99	228	2,479	3,660
8-9am	1,134	27	17	109	125	1,412	1,820	22	45	119	239	2,245	3,657
9-10am	1,104	12	28	119	86	1,349	1,334	9	53	136	222	1,754	3,103
10-11am	990	13	14	51	61	1,129	1,388	12	14	70	81	1,565	2,694
11-12am	904	6	35	89	152	1,186	1,208	2	23	113	146	1,492	2,678
12-1pm	1,006	5	18	41	64	1,134	1,349	6	6	70	86	1,517	2,651
1-2pm	1,059	15	12	48	100	1,234	1,420	13	21	64	40	1,558	2,792
2-3pm	966	21	25	103	256	1,371	1,297	20	52	100	90	1,559	2,930
3-4pm	1,514	18	16	47	167	1,762	1,542	29	21	50	43	1,685	3,447
4-5pm	1,504	13	28	59	268	1,872	1,387	11	30	56	85	1,569	3,441
5-6pm	1,661	13	15	48	243	1,980	1,379	6	45	51	89	1,570	3,550
6-7pm	1,588	8	9	34	193	1,832	1,428	8	15	37	51	1,539	3,371
7-8pm	---	---	---	---	---	1,652	---	---	---	---	---	1,262	2,914
8-9pm	---	---	---	---	---	1,225	---	---	---	---	---	1,225	2,450
9-10pm	---	---	---	---	---	1,073	---	---	---	---	---	1,072	2,145
10-11pm	---	---	---	---	---	1,159	---	---	---	---	---	924	2,083
11-12pm	---	---	---	---	---	657	---	---	---	---	---	639	1,296
Totals	---	---	---	---	---	25,453	---	---	---	---	---	29,488	54,941
7-10am	3,178	80	52	309	323	3,942	5,240	44	151	354	689	6,478	10,420
10am-1pm	2,900	24	67	181	277	3,449	3,945	20	43	253	313	4,574	8,023
1-4pm	3,539	54	53	198	523	4,367	4,259	62	94	214	173	4,802	9,169
4-7pm	4,753	34	52	141	704	5,684	4,194	25	90	144	225	4,678	10,362
7am-7pm	14,370	192	224	829	1,827	17,442	17,638	151	378	965	1,400	20,532	37,974

Based on 1989 Classification Survey Data

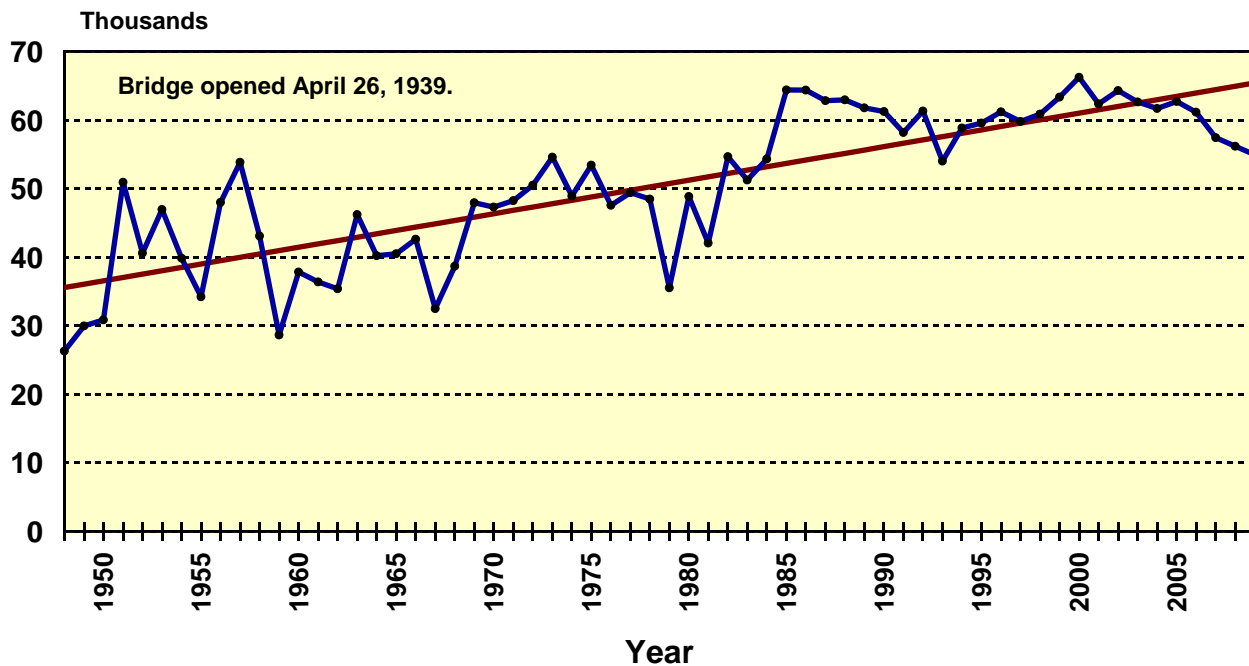
** Peak Volumes

Hourly Vehicular Volumes Flushing Bridge - 2009



Average Daily Traffic Volumes Flushing Bridge

1948-2009 Growth Rate = 1.0%



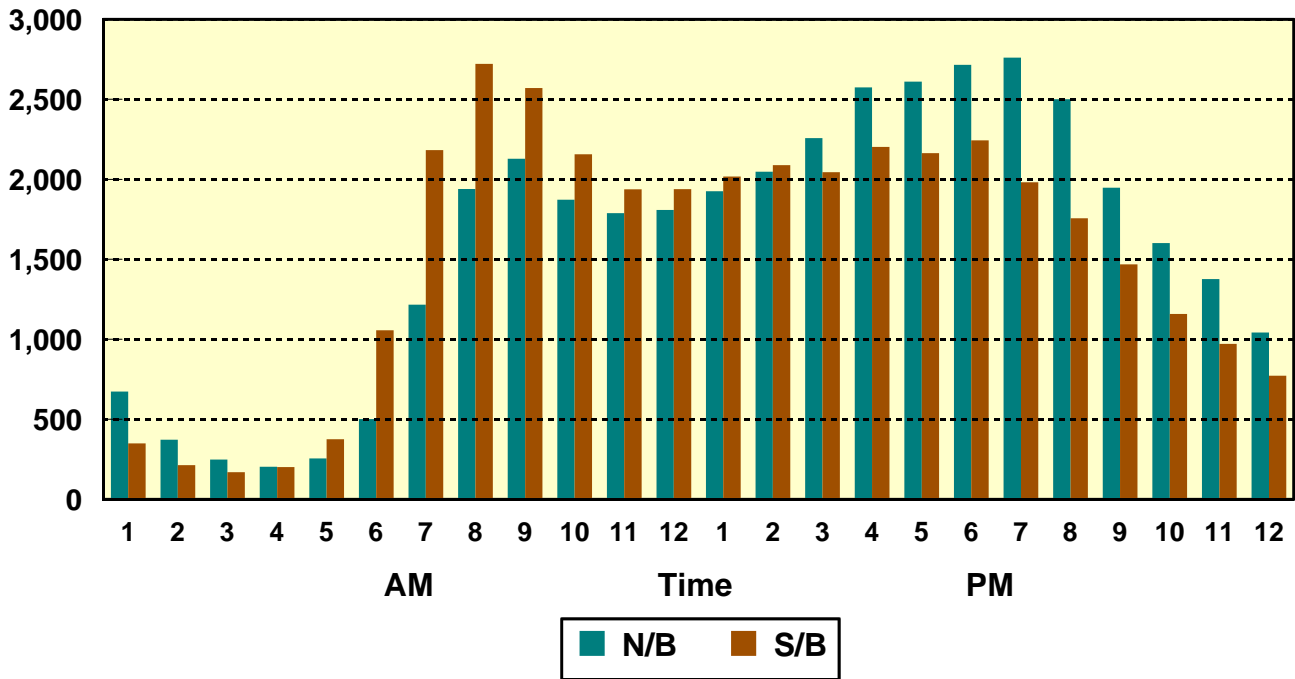
Hourly Vehicular Volumes Hook Creek Bridge - 2009

	Northbound						Southbound						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	673	---	---	---	---	---	349	1,022
1-2am	---	---	---	---	---	372	---	---	---	---	---	213	585
2-3am	---	---	---	---	---	248	---	---	---	---	---	169	417
3-4am	---	---	---	---	---	203	---	---	---	---	---	201	404
4-5am	---	---	---	---	---	255	---	---	---	---	---	375	630
5-6am	---	---	---	---	---	501	---	---	---	---	---	1,056	1,557
6-7am	---	---	---	---	---	1,216	---	---	---	---	---	2,183	3,399
7-8am	1,797	13	43	56	31	1,940	2,167	19	196	196	144	2,722	** 4,662
8-9am	1,885	15	70	101	58	2,129	2,108	11	160	185	106	2,570	4,699
9-10am	1,626	6	56	125	60	1,873	1,820	8	91	145	93	2,157	4,030
10-11am	1,687	2	12	48	40	1,789	1,808	3	13	62	52	1,938	3,727
11-12am	1,510	9	40	171	79	1,809	1,724	2	14	110	89	1,939	3,748
12-1pm	1,814	9	25	57	20	1,925	1,934	0	12	45	27	2,018	3,943
1-2pm	1,869	13	42	72	52	2,048	1,842	6	64	125	52	2,089	4,137
2-3pm	2,022	17	50	89	80	2,258	1,852	3	30	87	73	2,045	4,303
3-4pm	2,473	40	13	31	18	2,575	2,111	3	17	33	39	2,203	4,778
4-5pm	2,473	13	31	52	41	2,610	2,024	3	35	47	55	2,164	4,774
5-6pm	2,503	15	47	48	102	2,715	2,090	6	50	34	64	2,244	** 4,959
6-7pm	2,625	16	59	33	27	2,760	** 1,892	3	39	28	20	1,982	4,742
7-8pm	---	---	---	---	---	2,500	---	---	---	---	---	1,756	4,256
8-9pm	---	---	---	---	---	1,948	---	---	---	---	---	1,468	3,416
9-10pm	---	---	---	---	---	1,601	---	---	---	---	---	1,158	2,759
10-11pm	---	---	---	---	---	1,376	---	---	---	---	---	971	2,347
11-12pm	---	---	---	---	---	1,042	---	---	---	---	---	772	1,814
Totals	---	---	---	---	---	38,366	---	---	---	---	---	36,742	75,108
7-10am	5,308	34	169	282	149	5,942	6,095	38	447	526	343	7,449	13,391
10am-1pm	5,011	20	77	276	139	5,523	5,466	5	39	217	168	5,895	11,418
1-4pm	6,364	70	105	192	150	6,881	5,805	12	111	245	164	6,337	13,218
4-7pm	7,601	44	137	133	170	8,085	6,006	12	124	109	139	6,390	14,475
7am-7pm	24,284	168	488	883	608	26,431	23,372	67	721	1,097	814	26,071	52,502

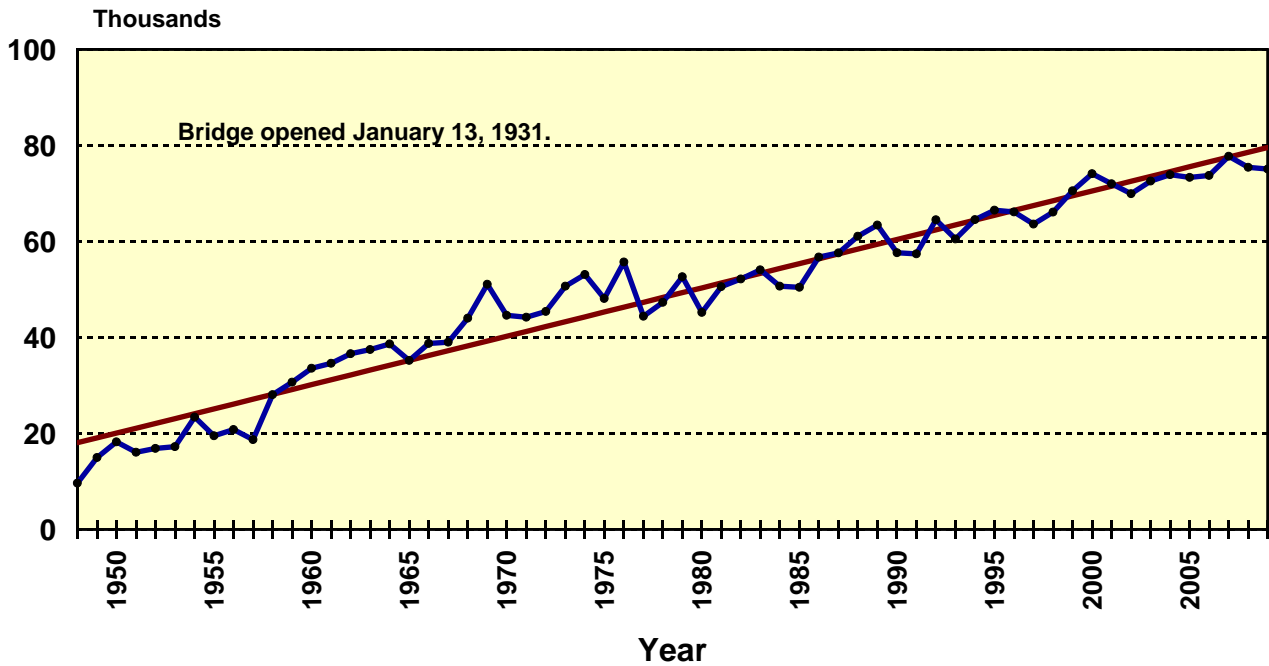
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hook Creek Bridge - 2009



Average Daily Traffic Volumes Hook Creek Bridge 1948-2009 Growth Rate = 2.5%



Hourly Vehicular Volumes Hunters Point Bridge - 2009

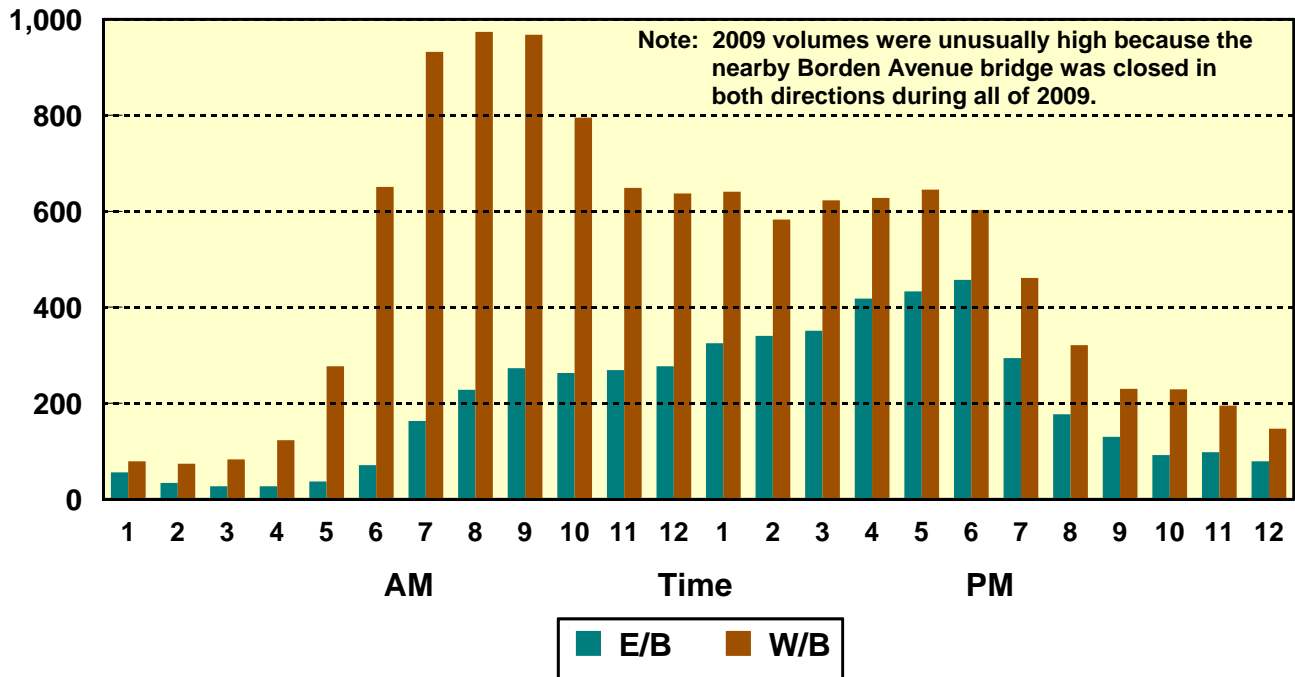
Volumes unusually high because the nearby Borden Avenue Bridge was closed in both directions throughout 2009.

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	56	---	---	---	---	---	79	135
1-2am	---	---	---	---	---	34	---	---	---	---	---	74	108
2-3am	---	---	---	---	---	27	---	---	---	---	---	83	110
3-4am	---	---	---	---	---	27	---	---	---	---	---	123	150
4-5am	---	---	---	---	---	37	---	---	---	---	---	277	314
5-6am	---	---	---	---	---	71	---	---	---	---	---	651	722
6-7am	---	---	---	---	---	163	---	---	---	---	---	932	1,095
7-8am	161	0	23	25	19	228	725	3	40	65	141	974 **	1,202
8-9am	154	0	9	40	70	273	816	0	16	66	70	968	1,241 **
9-10am	163	0	3	44	53	263	566	0	7	105	117	795	1,058
10-11am	222	0	7	31	9	269	548	0	3	60	38	649	918
11-12am	175	2	13	49	38	277	456	0	4	110	67	637	914
12-1pm	236	0	13	38	38	325	510	0	4	76	51	641	966
1-2pm	245	0	19	36	40	340	464	7	7	51	54	583	923
2-3pm	207	0	30	57	57	351	447	21	4	77	74	623	974
3-4pm	352	0	15	38	13	418	589	8	3	20	8	628	1,046
4-5pm	314	0	24	34	61	433	452	96	5	23	69	645	1,078
5-6pm	387	0	22	5	43	457 **	496	27	3	37	40	603	1,060
6-7pm	245	2	5	12	30	294	392	10	7	14	38	461	755
7-8pm	---	---	---	---	---	177	---	---	---	---	---	321	498
8-9pm	---	---	---	---	---	130	---	---	---	---	---	230	360
9-10pm	---	---	---	---	---	92	---	---	---	---	---	229	321
10-11pm	---	---	---	---	---	98	---	---	---	---	---	195	293
11-12pm	---	---	---	---	---	79	---	---	---	---	---	147	226
Totals	---	---	---	---	---	4,919	---	---	---	---	---	11,548	16,467
7-10am	478	0	35	109	142	764	2,107	3	63	236	328	2,737	3,501
10am-1pm	633	2	33	118	85	871	1,514	0	11	246	156	1,927	2,798
1-4pm	804	0	64	131	110	1,109	1,500	36	14	148	136	1,834	2,943
4-7pm	946	2	51	51	134	1,184	1,340	133	15	74	147	1,709	2,893
7am-7pm	2,861	4	183	409	471	3,928	6,461	172	103	704	767	8,207	12,135

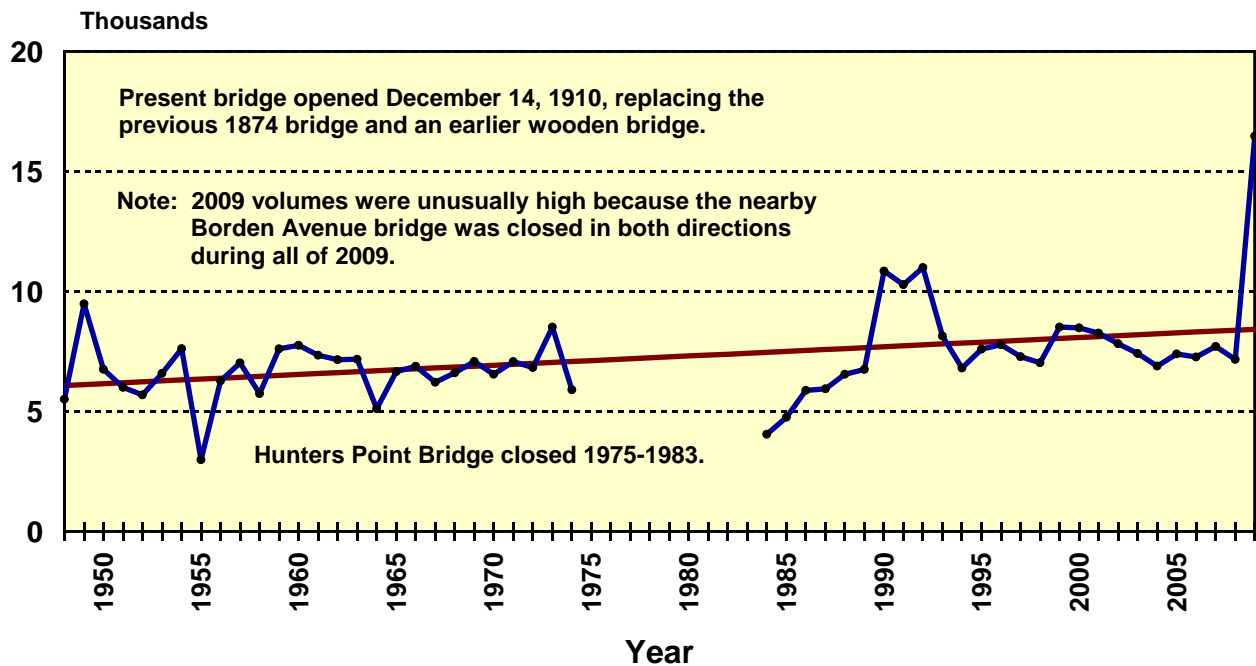
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hunters Point Bridge - 2009



Average Daily Traffic Volumes Hunters Point Bridge 1948-2009 Growth Rate = 0.5%



**Hourly Vehicular Volumes
Joseph P. Addabbo Memorial Bridge - 2009
(North Channel Bridge)**

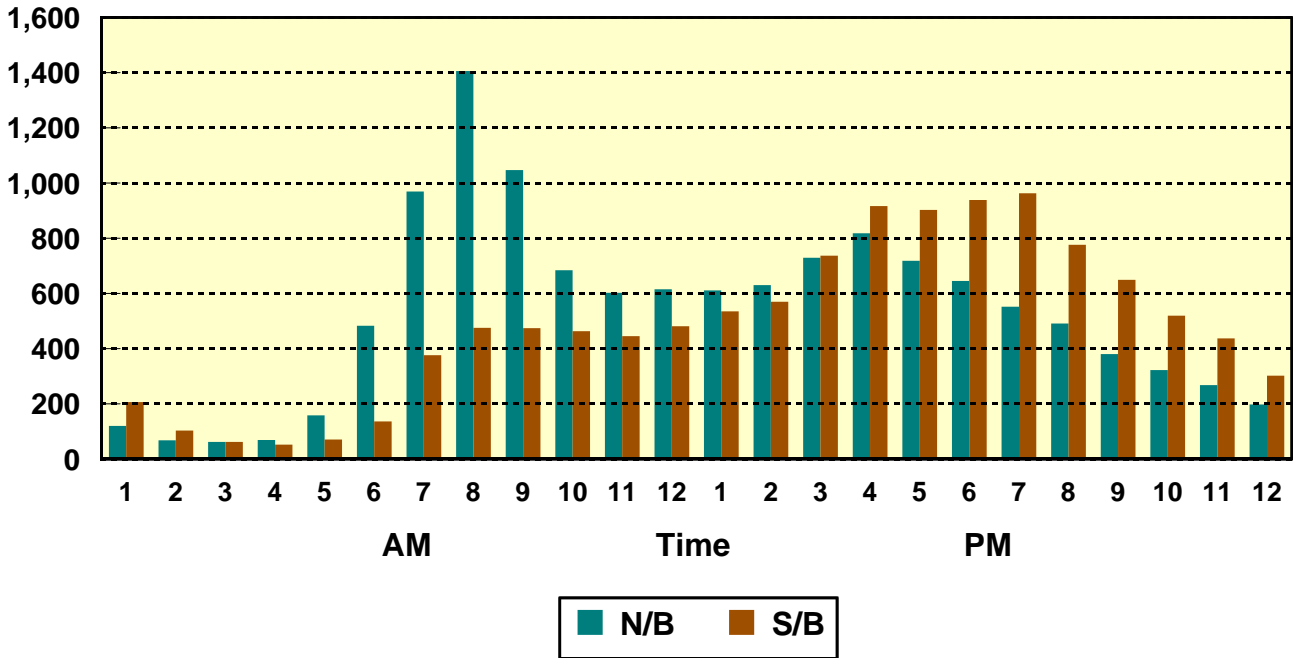
	<i>Northbound</i>						<i>Southbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	120	---	---	---	---	---	206	326
1-2am	---	---	---	---	---	68	---	---	---	---	---	103	171
2-3am	---	---	---	---	---	62	---	---	---	---	---	62	124
3-4am	---	---	---	---	---	69	---	---	---	---	---	52	121
4-5am	---	---	---	---	---	158	---	---	---	---	---	71	229
5-6am	---	---	---	---	---	483	---	---	---	---	---	136	619
6-7am	---	---	---	---	---	970	---	---	---	---	---	376	1,346
7-8am	1,284	36	22	25	39	1,406 **	346	24	6	37	62	475	1,881 **
8-9am	886	30	20	42	69	1,047	350	25	1	39	59	474	1,521
9-10am	566	9	7	64	38	684	320	18	3	57	65	463	1,147
10-11am	547	11	8	27	9	602	386	11	0	18	30	445	1,047
11-12am	489	9	9	59	49	615	351	8	0	51	71	481	1,096
12-1pm	529	16	0	34	32	611	479	11	0	18	27	535	1,146
1-2pm	585	4	4	20	17	630	521	6	0	14	29	570	1,200
2-3pm	600	22	11	52	44	729	589	30	4	30	84	737	1,466
3-4pm	735	25	12	22	24	818	801	26	0	26	64	917	1,735
4-5pm	597	32	13	44	32	718	767	10	2	31	93	903	1,621
5-6pm	565	10	16	29	25	645	856	6	0	19	58	939	1,584
6-7pm	464	8	19	24	37	552	866	7	4	12	74	963 **	1,515
7-8pm	---	---	---	---	---	491	---	---	---	---	---	776	1,267
8-9pm	---	---	---	---	---	380	---	---	---	---	---	649	1,029
9-10pm	---	---	---	---	---	322	---	---	---	---	---	519	841
10-11pm	---	---	---	---	---	268	---	---	---	---	---	437	705
11-12pm	---	---	---	---	---	198	---	---	---	---	---	302	500
Totals	---	---	---	---	---	12,646	---	---	---	---	---	11,591	24,237
7-10am	2,736	75	49	131	146	3,137	1,016	67	10	133	186	1,412	4,549
10am-1pm	1,565	36	17	120	90	1,828	1,216	30	0	87	128	1,461	3,289
1-4pm	1,920	51	27	94	85	2,177	1,911	62	4	70	177	2,224	4,401
4-7pm	1,626	50	48	97	94	1,915	2,489	23	6	62	225	2,805	4,720
7am-7pm	7,847	212	141	442	415	9,057	6,632	182	20	352	716	7,902	16,959

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes

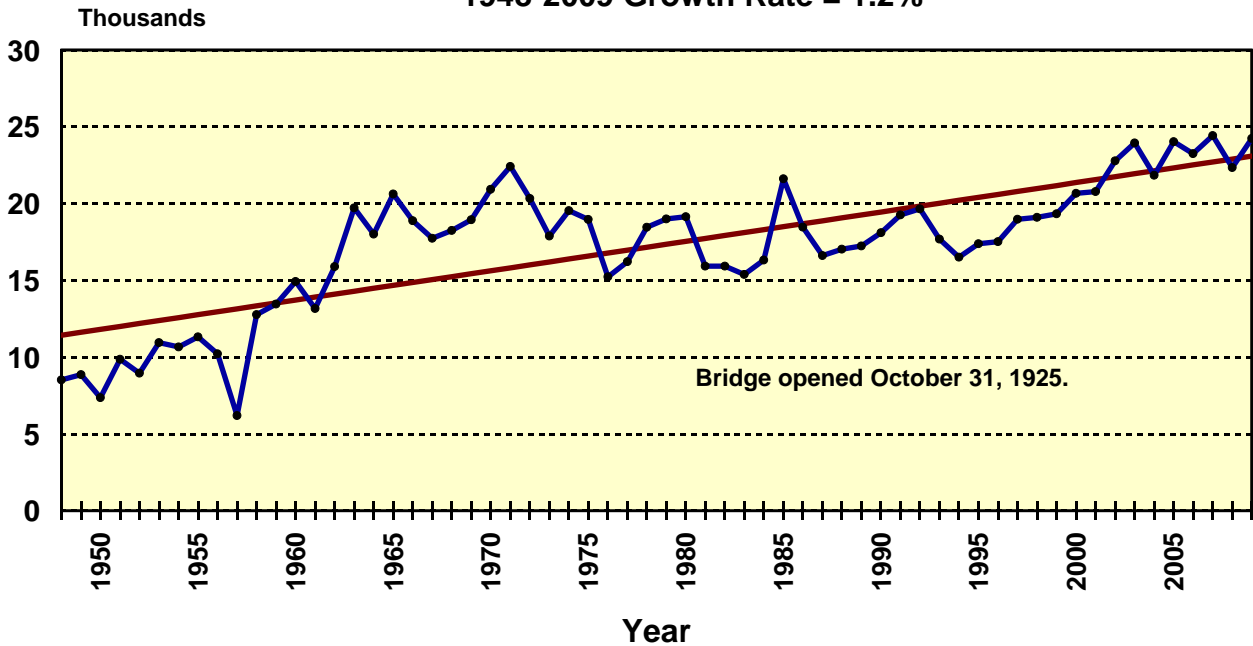
Joseph P. Addabbo Memorial Bridge - 2009 (North Channel Bridge)



Average Daily Traffic Volumes

Joseph P. Addabbo Memorial Bridge (North Channel Bridge)

1948-2009 Growth Rate = 1.2%



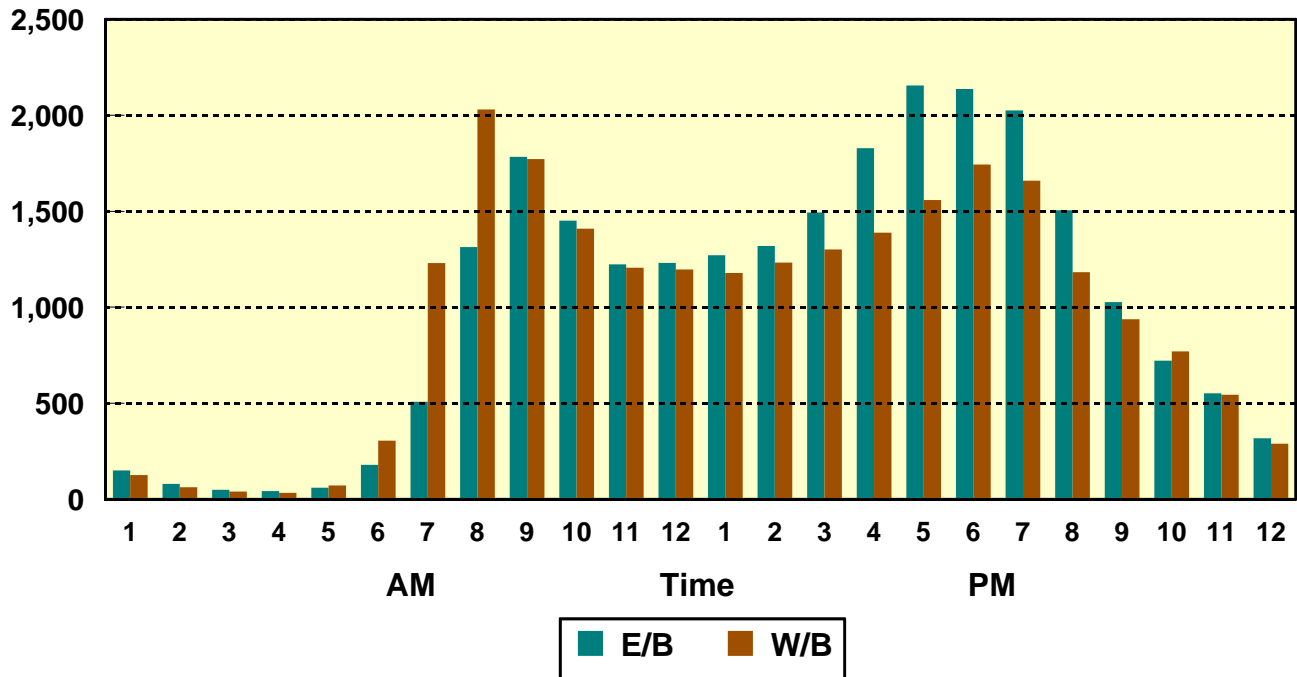
Hourly Vehicular Volumes Little Neck Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	150	---	---	---	---	---	126	276
1-2am	---	---	---	---	---	80	---	---	---	---	---	62	142
2-3am	---	---	---	---	---	49	---	---	---	---	---	40	89
3-4am	---	---	---	---	---	42	---	---	---	---	---	33	75
4-5am	---	---	---	---	---	60	---	---	---	---	---	72	132
5-6am	---	---	---	---	---	179	---	---	---	---	---	305	484
6-7am	---	---	---	---	---	507	---	---	---	---	---	1,230	1,737
7-8am	1,070	34	60	93	57	1,314	1,818	75	6	37	94	2,030	** 3,344
8-9am	1,572	24	73	66	49	1,784	1,621	45	2	34	70	1,772	3,556
9-10am	1,279	19	58	70	26	1,452	1,294	8	0	37	71	1,410	2,862
10-11am	1,115	9	27	43	29	1,223	1,140	10	0	25	31	1,206	2,429
11-12am	1,080	12	27	62	50	1,231	1,068	7	0	66	56	1,197	2,428
12-1pm	1,195	13	9	42	12	1,271	1,100	10	0	26	42	1,178	2,449
1-2pm	1,221	10	22	33	34	1,320	1,174	3	0	22	33	1,232	2,552
2-3pm	1,271	16	62	83	62	1,494	1,167	10	0	42	83	1,302	2,796
3-4pm	1,728	21	19	39	22	1,829	1,317	10	0	15	47	1,389	3,218
4-5pm	1,813	16	83	147	97	2,156	** 1,400	16	0	42	101	1,559	3,715
5-6pm	1,914	21	58	48	96	2,137	1,659	12	0	10	63	1,744	** 3,881
6-7pm	1,866	19	57	45	38	2,025	1,586	9	0	7	58	1,660	3,685
7-8pm	---	---	---	---	---	1,505	---	---	---	---	---	1,182	2,687
8-9pm	---	---	---	---	---	1,027	---	---	---	---	---	937	1,964
9-10pm	---	---	---	---	---	722	---	---	---	---	---	770	1,492
10-11pm	---	---	---	---	---	552	---	---	---	---	---	544	1,096
11-12pm	---	---	---	---	---	317	---	---	---	---	---	289	606
Totals	---	---	---	---	---	24,426	---	---	---	---	---	23,269	47,695
7-10am	3,921	77	191	229	132	4,550	4,733	128	8	108	235	5,212	9,762
10am-1pm	3,390	34	63	147	91	3,725	3,308	27	0	117	129	3,581	7,306
1-4pm	4,220	47	103	155	118	4,643	3,658	23	0	79	163	3,923	8,566
4-7pm	5,593	56	198	240	231	6,318	4,645	37	0	59	222	4,963	11,281
7am-7pm	17,124	214	555	771	572	19,236	16,344	215	8	363	749	17,679	36,915

Based on 1989 Classification Survey Data

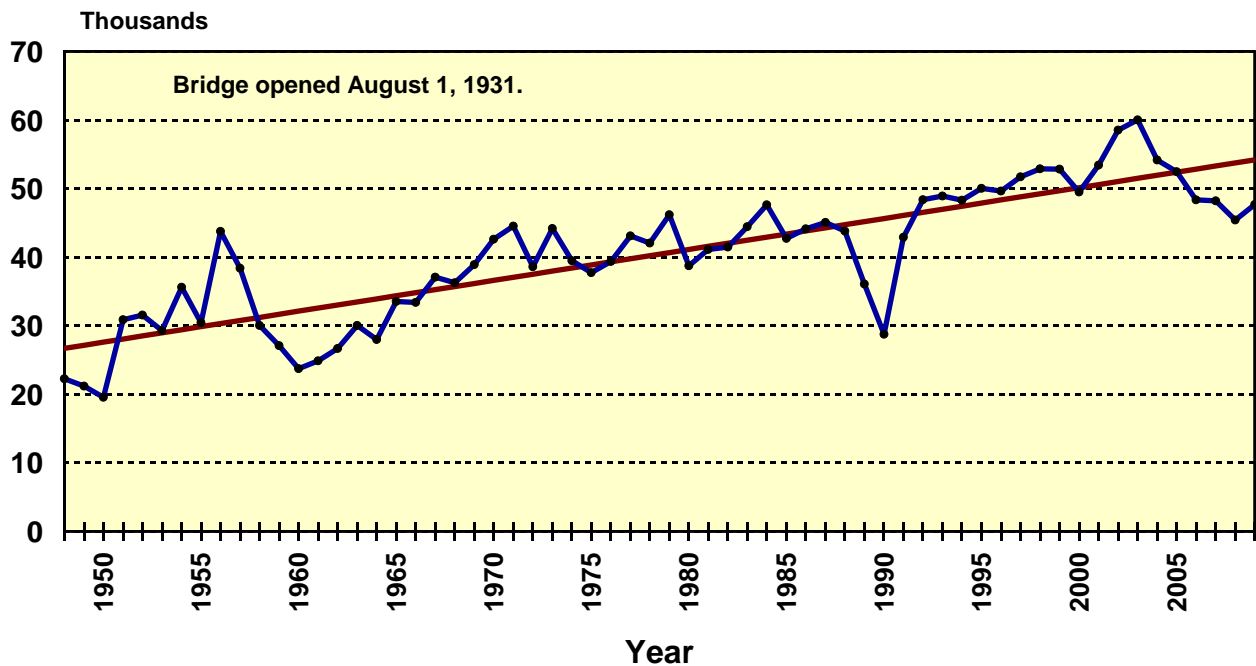
** Peak Volumes

Hourly Vehicular Volumes Little Neck Bridge - 2009



Average Daily Traffic Volumes Little Neck Bridge

1948-2009 Growth Rate = 1.2%



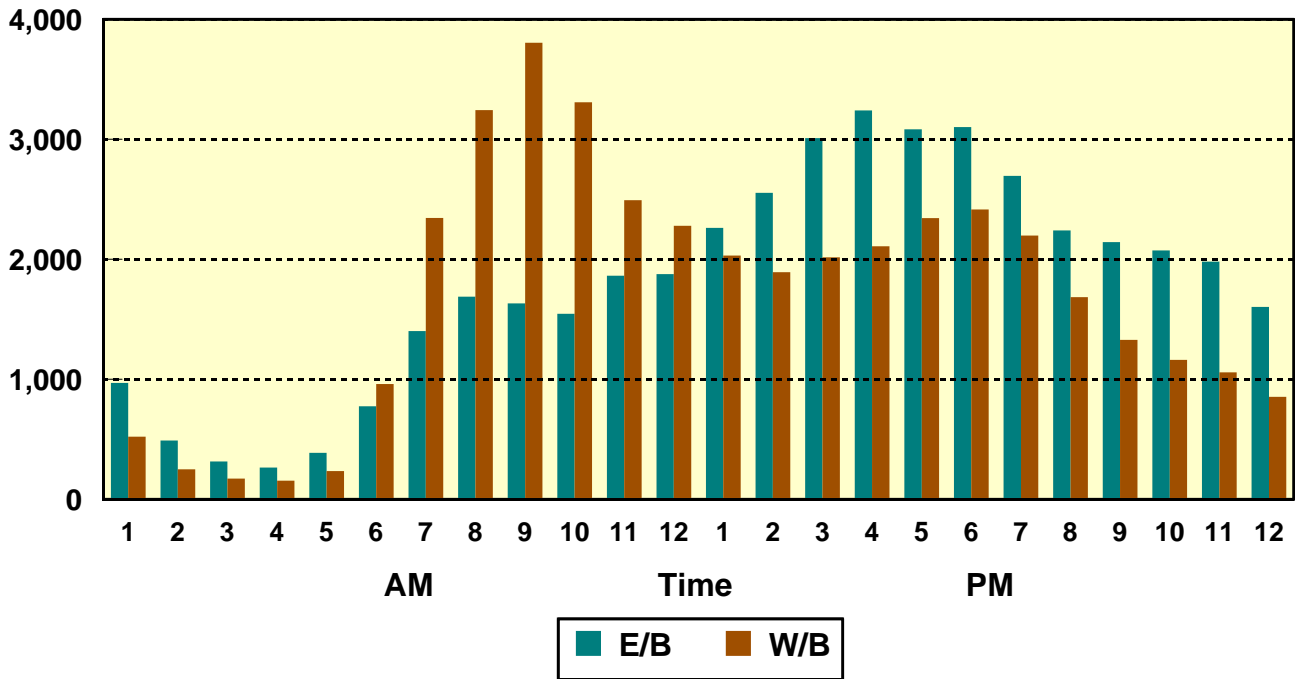
Hourly Vehicular Volumes Midtown Highway Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	969	---	---	---	---	---	521	1,490
1-2am	---	---	---	---	---	490	---	---	---	---	---	249	739
2-3am	---	---	---	---	---	315	---	---	---	---	---	172	487
3-4am	---	---	---	---	---	264	---	---	---	---	---	154	418
4-5am	---	---	---	---	---	386	---	---	---	---	---	234	620
5-6am	---	---	---	---	---	774	---	---	---	---	---	959	1,733
6-7am	---	---	---	---	---	1,401	---	---	---	---	---	2,345	3,746
7-8am	1,378	70	15	136	89	1,688	2,653	145	67	118	261	3,244	4,932
8-9am	1,312	106	15	113	86	1,632	3,211	75	73	149	297	3,805	5,437
9-10am	1,176	127	11	138	93	1,545	2,663	79	114	187	266	3,309	4,854
10-11am	1,676	60	3	54	70	1,863	2,275	29	33	66	90	2,493	4,356
11-12am	1,623	44	6	106	97	1,876	1,907	18	105	118	132	2,280	4,156
12-1pm	2,045	27	20	82	88	2,262	1,830	8	62	70	62	2,032	4,294
1-2pm	2,019	34	75	160	266	2,554	1,507	18	119	128	120	1,892	4,446
2-3pm	2,572	16	65	155	203	3,011	1,601	77	96	135	108	2,017	5,028
3-4pm	2,992	30	34	57	127	3,240	1,826	71	73	57	82	2,109	5,349
4-5pm	2,594	23	74	93	300	3,084	1,790	186	150	51	167	2,344	5,428
5-6pm	2,758	23	21	53	247	3,102	1,986	102	114	104	109	2,415	5,517
6-7pm	2,458	9	26	57	145	2,695	1,994	31	58	54	61	2,198	4,893
7-8pm	---	---	---	---	---	2,241	---	---	---	---	---	1,684	3,925
8-9pm	---	---	---	---	---	2,144	---	---	---	---	---	1,328	3,472
9-10pm	---	---	---	---	---	2,074	---	---	---	---	---	1,162	3,236
10-11pm	---	---	---	---	---	1,979	---	---	---	---	---	1,057	3,036
11-12pm	---	---	---	---	---	1,603	---	---	---	---	---	853	2,456
Totals	---	---	---	---	---	43,192	---	---	---	---	---	40,856	84,048
7-10am	3,866	303	41	387	268	4,865	8,527	299	254	454	824	10,358	15,223
10am-1pm	5,344	131	29	242	255	6,001	6,012	55	200	254	284	6,805	12,806
1-4pm	7,583	80	174	372	596	8,805	4,934	166	288	320	310	6,018	14,823
4-7pm	7,810	55	121	203	692	8,881	5,770	319	322	209	337	6,957	15,838
7am-7pm	24,603	569	365	1,204	1,811	28,552	25,243	839	1,064	1,237	1,755	30,138	58,690

Based on 1989 Classification Survey Data

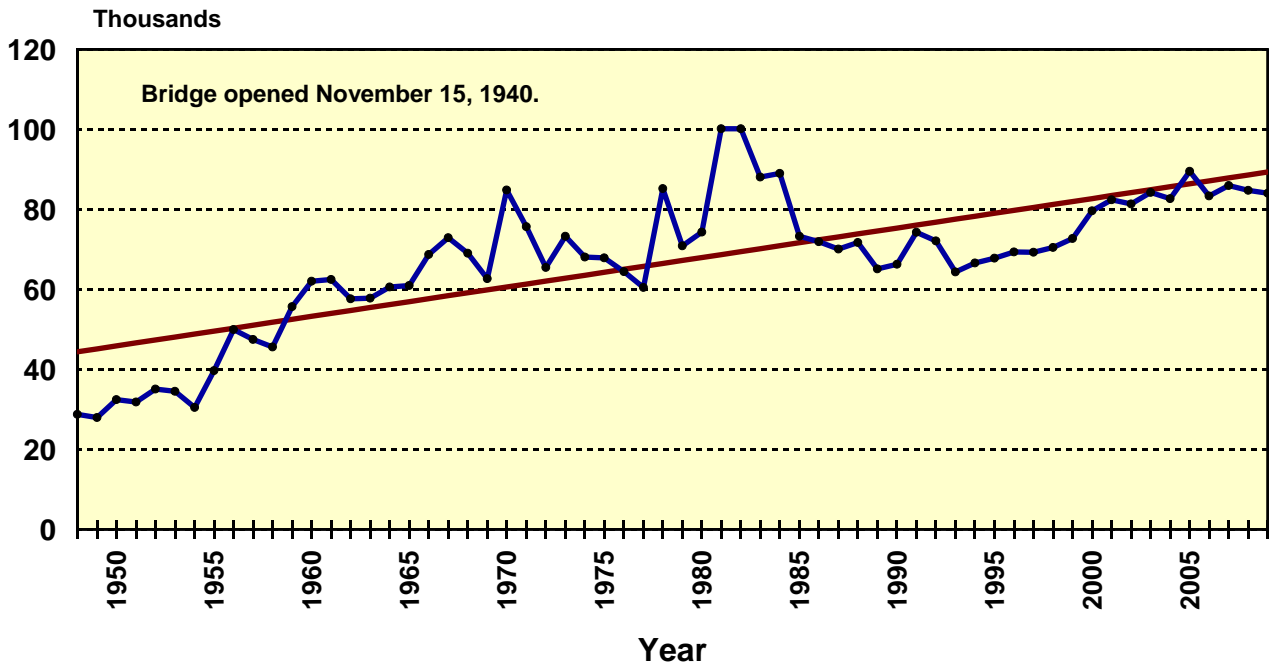
** Peak Volumes

Hourly Vehicular Volumes Midtown Highway Bridge - 2009



Average Daily Traffic Volumes Midtown Highway Bridge

1948-2009 Growth Rate = 1.2%



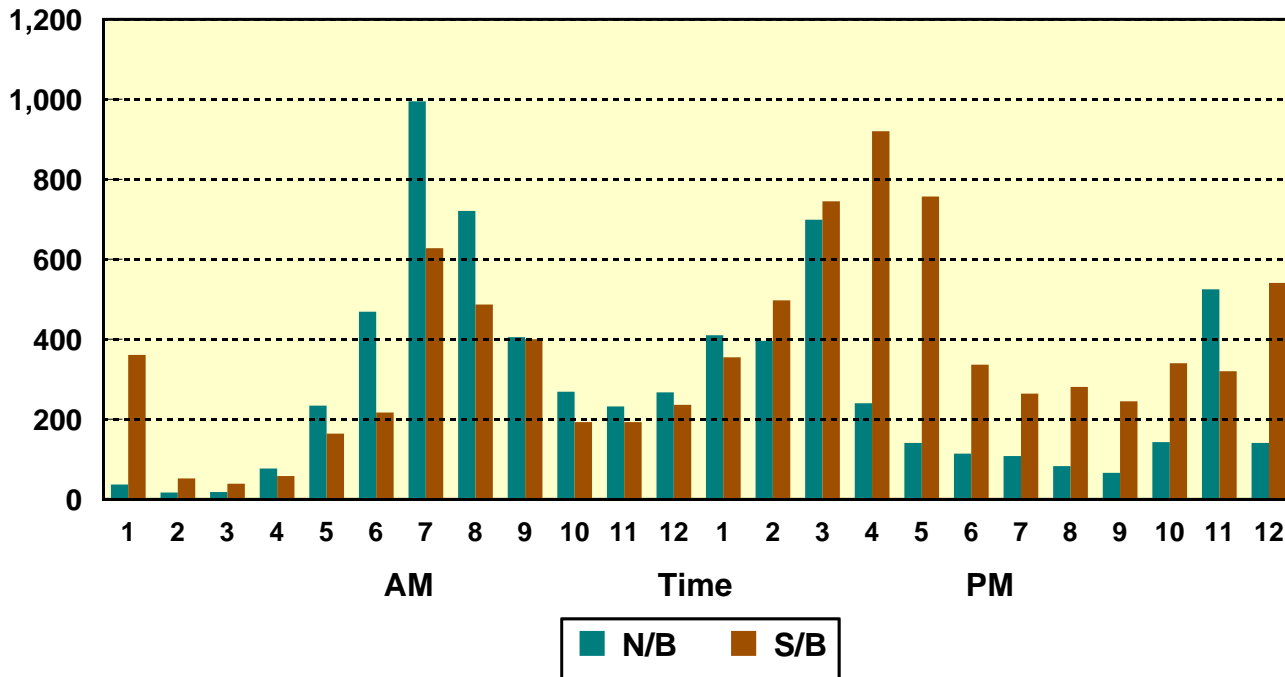
Hourly Vehicular Volumes Rikers Island Bridge - 2009

	<i>Northbound</i>						<i>Southbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	37	---	---	---	---	---	361	398
1-2am	---	---	---	---	---	17	---	---	---	---	---	52	69
2-3am	---	---	---	---	---	18	---	---	---	---	---	39	57
3-4am	---	---	---	---	---	77	---	---	---	---	---	58	135
4-5am	---	---	---	---	---	234	---	---	---	---	---	164	398
5-6am	---	---	---	---	---	469	---	---	---	---	---	217	686
6-7am	---	---	---	---	---	995 **	---	---	---	---	---	628	1,623 **
7-8am	597	9	3	39	73	721	422	29	15	15	6	487	1,208
8-9am	348	7	1	21	28	405	325	17	21	27	10	400	805
9-10am	187	27	1	24	30	269	139	15	4	27	8	193	462
10-11am	178	14	0	19	21	232	157	16	4	14	2	193	425
11-12am	187	15	3	28	34	267	155	25	16	28	12	236	503
12-1pm	357	17	2	12	22	410	309	13	15	11	7	355	765
1-2pm	339	31	2	9	15	396	434	18	23	15	7	497	893
2-3pm	617	16	1	19	46	699	644	19	36	30	16	745	1,444
3-4pm	214	9	1	5	11	240	860	16	27	16	1	920 **	1,160
4-5pm	121	9	1	3	7	141	700	11	29	17	0	757	898
5-6pm	92	9	1	0	12	114	303	10	16	3	4	336	450
6-7pm	70	23	3	5	7	108	223	7	28	6	0	264	372
7-8pm	---	---	---	---	---	83	---	---	---	---	---	281	364
8-9pm	---	---	---	---	---	66	---	---	---	---	---	245	311
9-10pm	---	---	---	---	---	143	---	---	---	---	---	340	483
10-11pm	---	---	---	---	---	525	---	---	---	---	---	320	845
11-12pm	---	---	---	---	---	141	---	---	---	---	---	541	682
Totals	---	---	---	---	---	6,807	---	---	---	---	---	8,629	15,436
7-10am	1,132	43	5	84	131	1,395	886	61	40	69	24	1,080	2,475
10am-1pm	722	46	5	59	77	909	621	54	35	53	21	784	1,693
1-4pm	1,170	56	4	33	72	1,335	1,938	53	86	61	24	2,162	3,497
4-7pm	283	41	5	8	26	363	1,226	28	73	26	4	1,357	1,720
7am-7pm	3,307	186	19	184	306	4,002	4,671	196	234	209	73	5,383	9,385

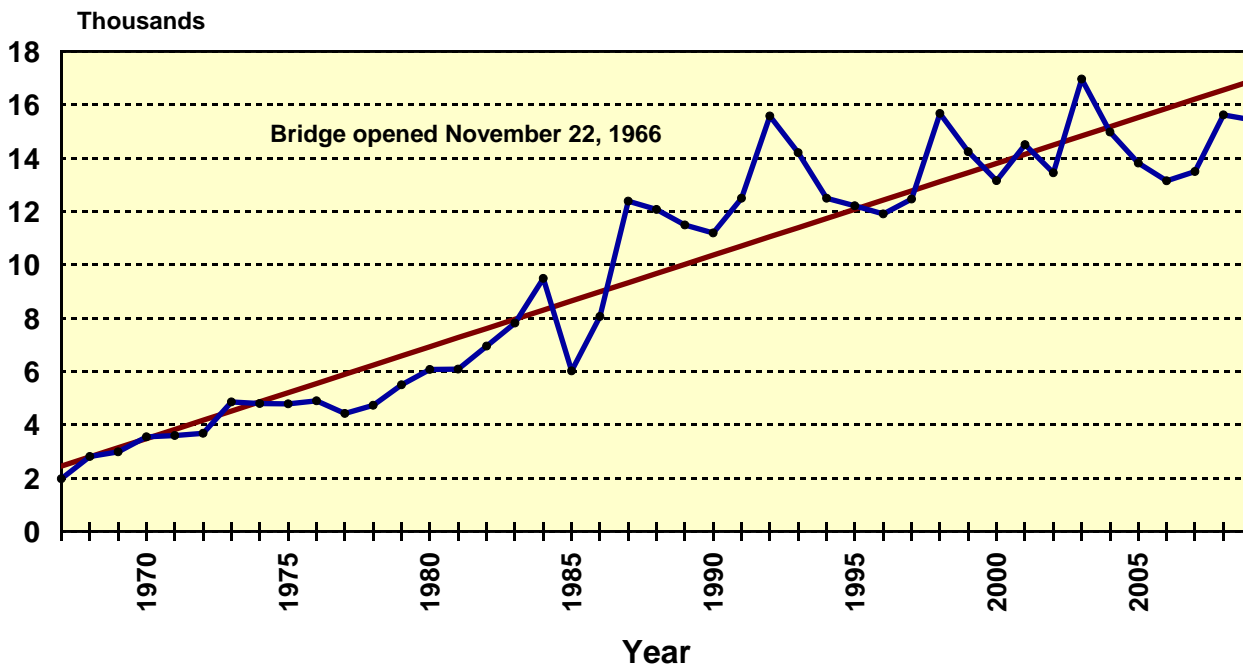
Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Rikers Island Bridge - 2009



Average Daily Traffic Volumes Rikers Island Bridge 1967-2009 Growth Rate = 4.7%



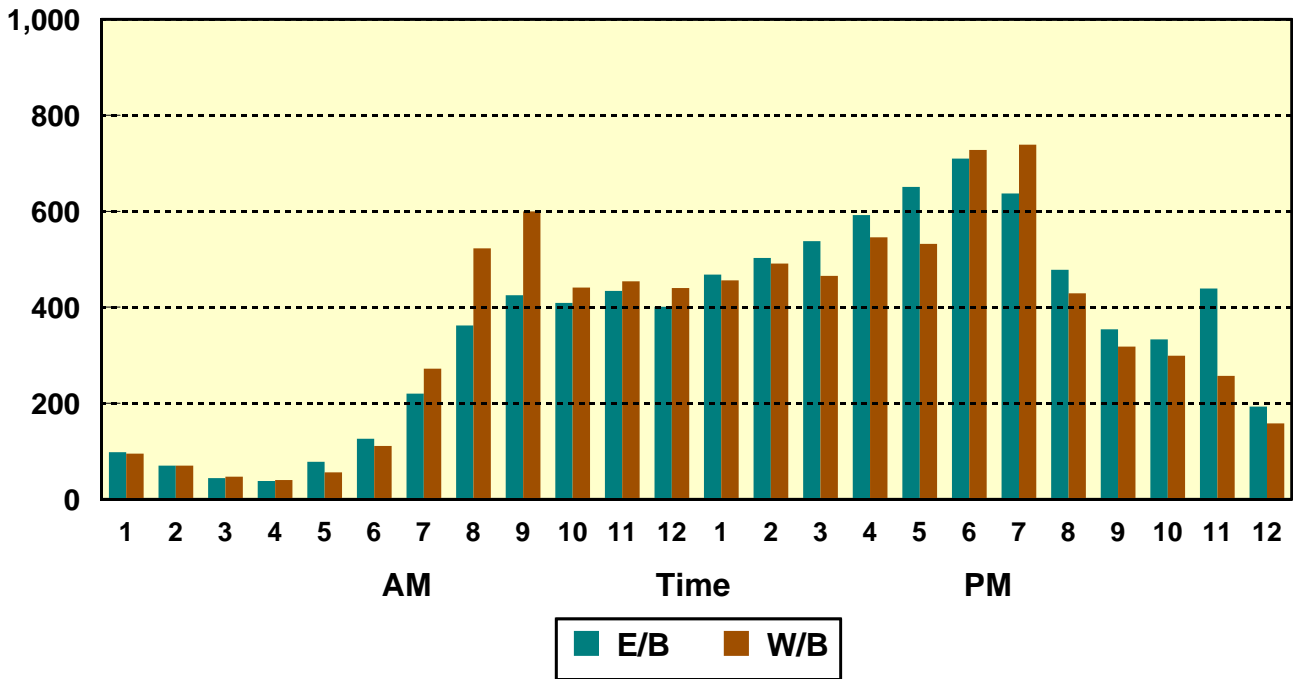
Hourly Vehicular Volumes Roosevelt Avenue Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	98	---	---	---	---	---	95	193
1-2am	---	---	---	---	---	70	---	---	---	---	---	70	140
2-3am	---	---	---	---	---	44	---	---	---	---	---	47	91
3-4am	---	---	---	---	---	38	---	---	---	---	---	40	78
4-5am	---	---	---	---	---	78	---	---	---	---	---	56	134
5-6am	---	---	---	---	---	126	---	---	---	---	---	111	237
6-7am	---	---	---	---	---	220	---	---	---	---	---	272	492
7-8am	284	24	10	27	17	362	443	4	13	33	30	523	885
8-9am	333	14	9	33	36	425	530	15	9	18	28	600	1,025
9-10am	323	6	9	33	38	409	354	38	8	19	22	441	850
10-11am	380	5	9	18	22	434	423	7	2	16	6	454	888
11-12am	317	9	9	30	36	401	398	14	3	17	8	440	841
12-1pm	430	5	7	14	12	468	439	9	1	3	4	456	924
1-2pm	446	28	2	8	19	503	472	12	0	2	5	491	994
2-3pm	409	27	13	47	42	538	434	7	2	12	10	465	1,003
3-4pm	522	11	8	23	28	592	463	64	1	8	10	546	1,138
4-5pm	491	9	26	48	77	651	498	12	3	9	10	532	1,183
5-6pm	584	5	20	26	75	710 **	693	9	3	14	9	728	1,438 **
6-7pm	541	4	14	23	55	637	674	34	6	13	12	739 **	1,376
7-8pm	---	---	---	---	---	478	---	---	---	---	---	429	907
8-9pm	---	---	---	---	---	354	---	---	---	---	---	318	672
9-10pm	---	---	---	---	---	333	---	---	---	---	---	299	632
10-11pm	---	---	---	---	---	439	---	---	---	---	---	257	696
11-12pm	---	---	---	---	---	193	---	---	---	---	---	158	351
Totals	---	---	---	---	---	8,601	---	---	---	---	---	8,567	17,168
7-10am	940	44	28	93	91	1,196	1,327	57	30	70	80	1,564	2,760
10am-1pm	1,127	19	25	62	70	1,303	1,260	30	6	36	18	1,350	2,653
1-4pm	1,377	66	23	78	89	1,633	1,369	83	3	22	25	1,502	3,135
4-7pm	1,616	18	60	97	207	1,998	1,865	55	12	36	31	1,999	3,997
7am-7pm	5,060	147	136	330	457	6,130	5,821	225	51	164	154	6,415	12,545

Based on 1989 Classification Survey Data

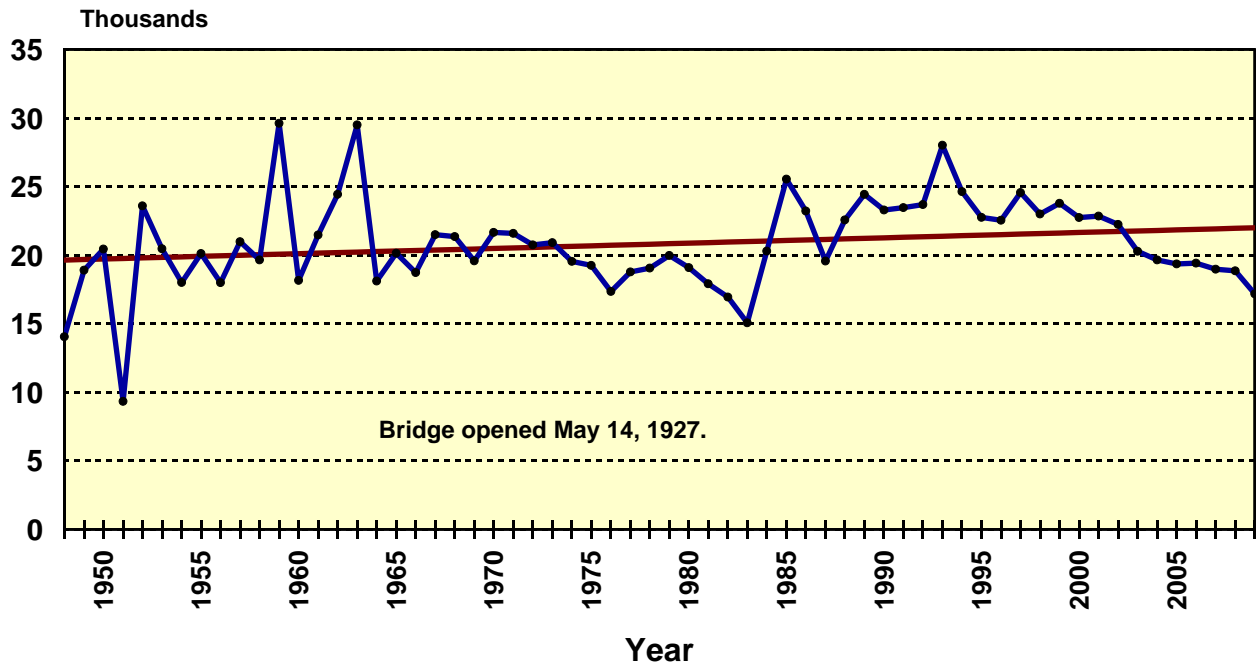
** Peak Volumes

Hourly Vehicular Volumes Roosevelt Avenue Bridge - 2009



Average Daily Traffic Volumes Roosevelt Avenue Bridge

1948-2009 Growth Rate = 0.2%



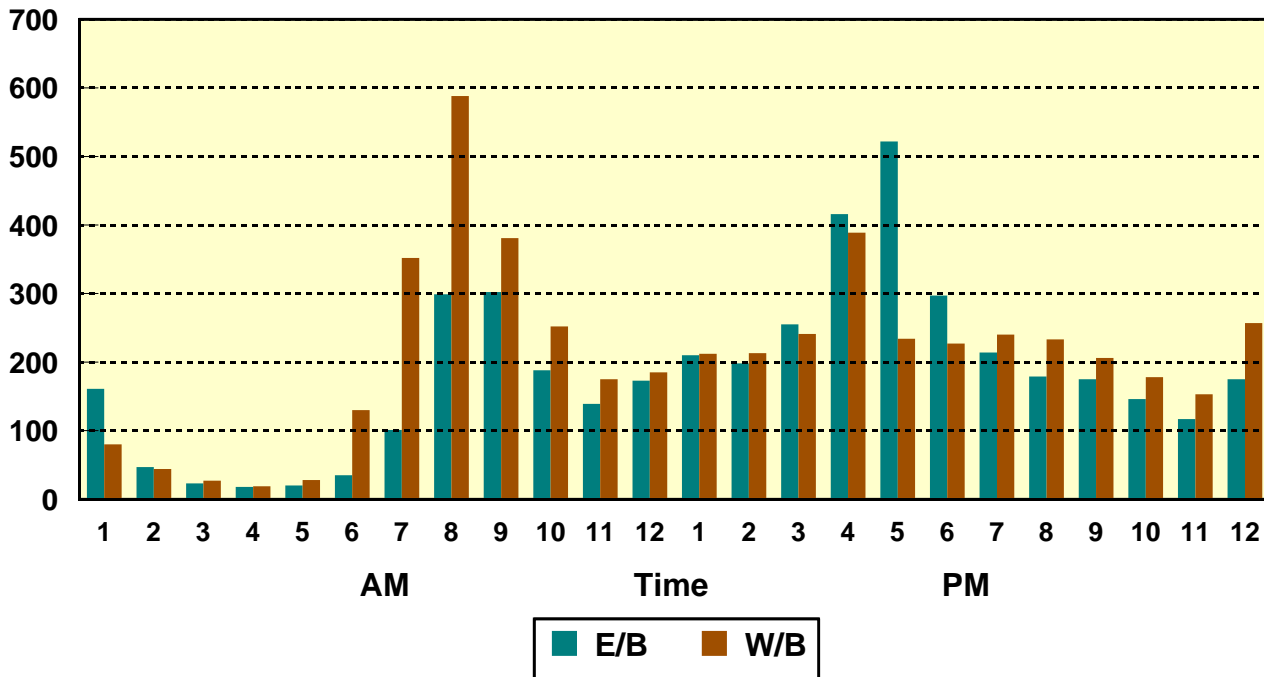
Hourly Vehicular Volumes Roosevelt Island Bridge - 2009

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	161	---	---	---	---	---	80	241
1-2am	---	---	---	---	---	47	---	---	---	---	---	44	91
2-3am	---	---	---	---	---	23	---	---	---	---	---	27	50
3-4am	---	---	---	---	---	18	---	---	---	---	---	19	37
4-5am	---	---	---	---	---	20	---	---	---	---	---	28	48
5-6am	---	---	---	---	---	35	---	---	---	---	---	130	165
6-7am	---	---	---	---	---	101	---	---	---	---	---	352	453
7-8am	264	14	13	4	4	299	523	10	32	14	9	588 **	887 **
8-9am	241	16	20	16	9	302	357	5	2	13	4	381	683
9-10am	144	8	9	22	5	188	220	5	10	15	2	252	440
10-11am	123	2	3	7	4	139	150	5	1	11	8	175	314
11-12am	135	4	7	13	14	173	138	4	9	25	9	185	358
12-1pm	185	4	2	13	6	210	175	24	3	6	4	212	422
1-2pm	179	6	2	4	7	198	190	6	1	9	7	213	411
2-3pm	219	4	4	21	7	255	212	7	5	9	8	241	496
3-4pm	378	21	1	7	9	416	364	10	6	5	4	389	805
4-5pm	492	6	11	2	11	522 **	211	9	6	2	6	234	756
5-6pm	280	5	0	3	9	297	209	7	0	4	7	227	524
6-7pm	198	2	1	1	12	214	229	4	3	3	1	240	454
7-8pm	---	---	---	---	---	179	---	---	---	---	---	233	412
8-9pm	---	---	---	---	---	175	---	---	---	---	---	206	381
9-10pm	---	---	---	---	---	146	---	---	---	---	---	178	324
10-11pm	---	---	---	---	---	117	---	---	---	---	---	153	270
11-12pm	---	---	---	---	---	175	---	---	---	---	---	257	432
Totals	---	---	---	---	---	4,410	---	---	---	---	---	5,044	9,454
7-10am	649	38	42	42	18	789	1,100	20	44	42	15	1,221	2,010
10am-1pm	443	10	12	33	24	522	463	33	13	42	21	572	1,094
1-4pm	776	31	7	32	23	869	766	23	12	23	19	843	1,712
4-7pm	970	13	12	6	32	1,033	649	20	9	9	14	701	1,734
7am-7pm	2,838	92	73	113	97	3,213	2,978	96	78	116	69	3,337	6,550

Based on 1989 Classification Survey Data

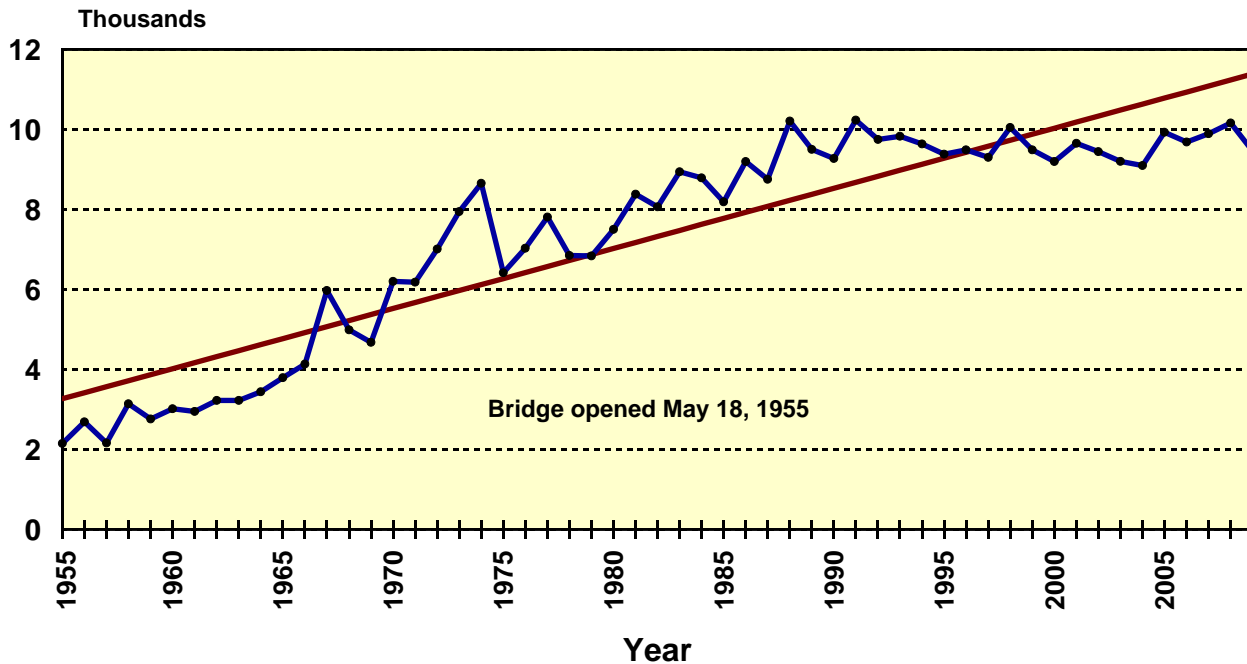
** Peak Volumes

Hourly Vehicular Volumes Roosevelt Island Bridge - 2009



Average Daily Traffic Volumes Roosevelt Island Bridge

1955-2009 Growth Rate = 2.3%



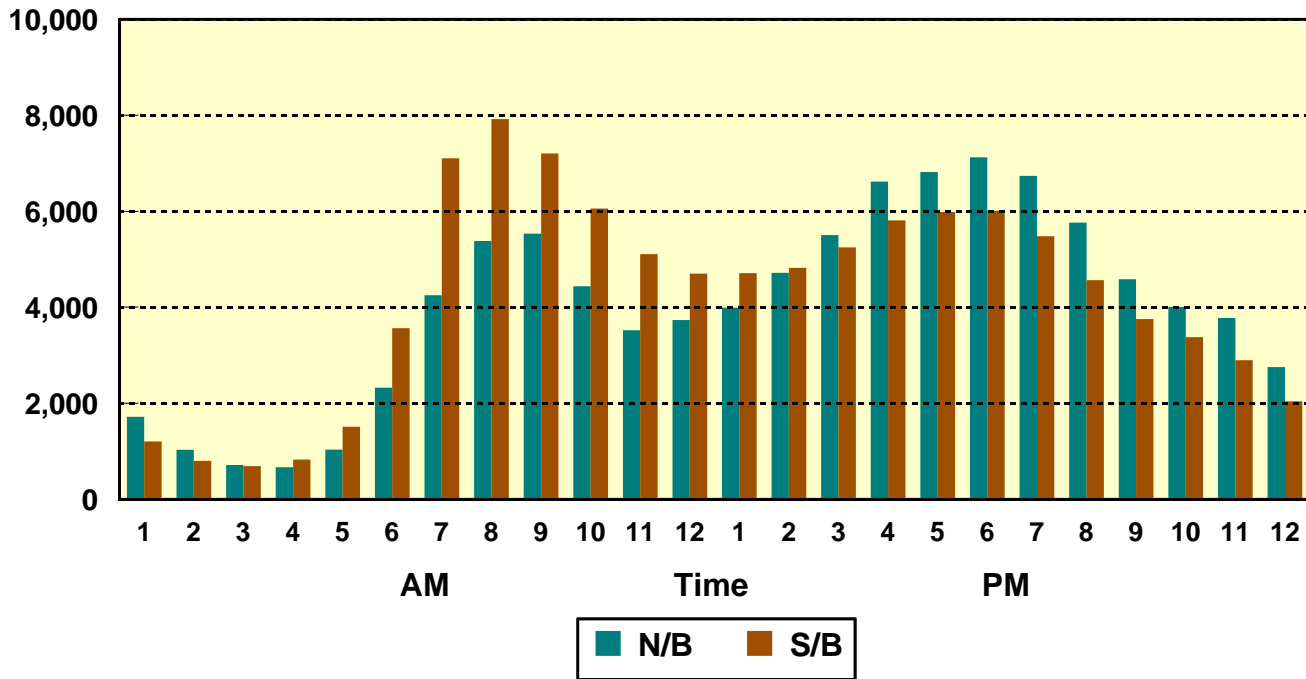
Hourly Vehicular Volumes Whitestone Expressway Bridge - 2009

	<i>Northbound</i>						<i>Southbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	1,716	---	---	---	---	---	1,205	2,921
1-2am	---	---	---	---	---	1,029	---	---	---	---	---	799	1,828
2-3am	---	---	---	---	---	712	---	---	---	---	---	691	1,403
3-4am	---	---	---	---	---	666	---	---	---	---	---	827	1,493
4-5am	---	---	---	---	---	1,032	---	---	---	---	---	1,511	2,543
5-6am	---	---	---	---	---	2,323	---	---	---	---	---	3,563	5,886
6-7am	---	---	---	---	---	4,248	---	---	---	---	---	7,103	11,351
7-8am	4,532	86	164	279	322	5,383	6,326	66	258	564	709	7,923	13,306
8-9am	4,598	71	274	366	226	5,535	5,980	78	204	508	434	7,204	12,739
9-10am	3,567	70	167	421	210	4,435	4,749	82	214	559	457	6,061	10,496
10-11am	3,080	31	73	210	128	3,522	4,633	22	115	217	123	5,110	8,632
11-12am	2,843	24	140	482	243	3,732	3,763	24	203	463	246	4,699	8,431
12-1pm	3,526	62	57	230	115	3,990	4,182	31	101	235	162	4,711	8,701
1-2pm	4,273	58	42	223	120	4,716	4,220	62	96	271	170	4,819	9,535
2-3pm	4,464	63	135	459	383	5,504	4,211	75	169	492	301	5,248	10,752
3-4pm	6,026	29	84	238	242	6,619	5,214	95	117	225	162	5,813	12,432
4-5pm	5,892	25	164	335	402	6,818	5,023	60	218	392	293	5,986	12,804
5-6pm	6,240	35	169	271	410	7,125	5,442	26	158	224	163	6,013	13,138
6-7pm	6,025	52	167	171	325	6,740	5,054	10	171	104	144	5,483	12,223
7-8pm	---	---	---	---	---	5,764	---	---	---	---	---	4,562	10,326
8-9pm	---	---	---	---	---	4,583	---	---	---	---	---	3,755	8,338
9-10pm	---	---	---	---	---	4,006	---	---	---	---	---	3,375	7,381
10-11pm	---	---	---	---	---	3,776	---	---	---	---	---	2,897	6,673
11-12pm	---	---	---	---	---	2,751	---	---	---	---	---	2,041	4,792
Totals	---	---	---	---	---	96,725	---	---	---	---	---	101,399	198,124
7-10am	12,697	227	605	1,066	758	15,353	17,055	226	676	1,631	1,600	21,188	36,541
10am-1pm	9,449	117	270	922	486	11,244	12,578	77	419	915	531	14,520	25,764
1-4pm	14,763	150	261	920	745	16,839	13,645	232	382	988	633	15,880	32,719
4-7pm	18,157	112	500	777	1,137	20,683	15,519	96	547	720	600	17,482	38,165
7am-7pm	55,066	606	1,636	3,685	3,126	64,119	58,797	631	2,024	4,254	3,364	69,070	133,189

Based on 1989 Classification Survey Data

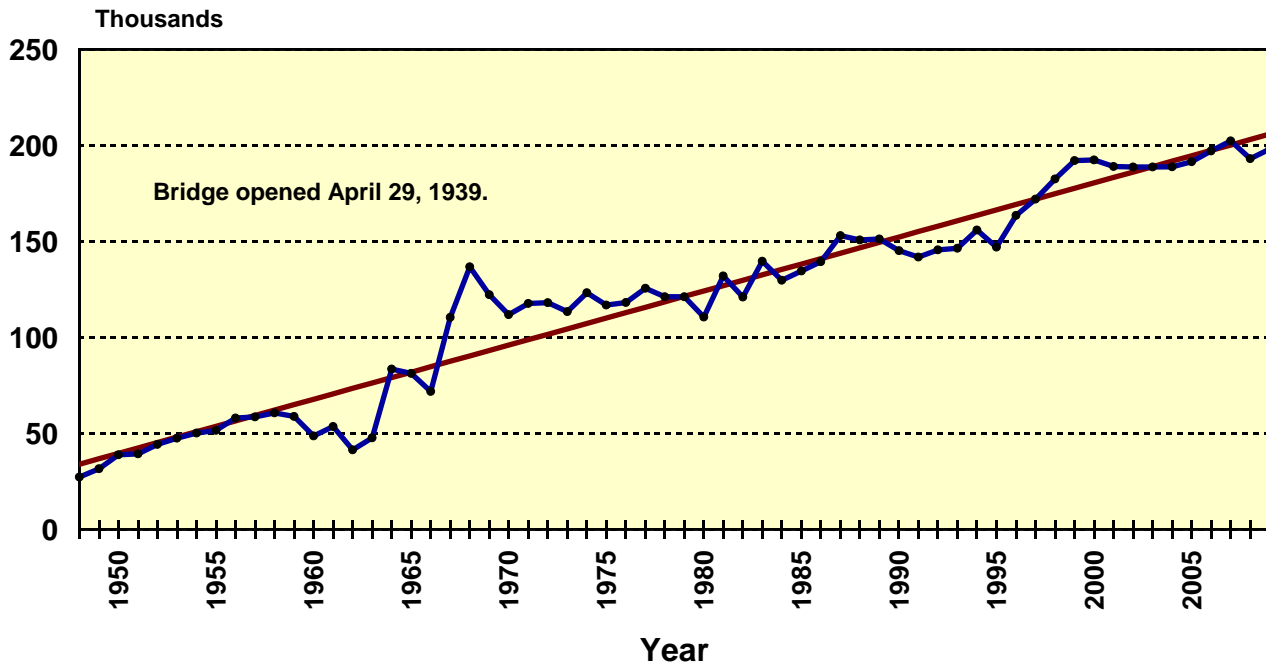
** Peak Volumes

Hourly Vehicular Volumes Whitestone Expressway Bridge - 2009



Average Daily Traffic Volumes Whitestone Expressway Bridge

1948-2009 Growth Rate = 3.0%

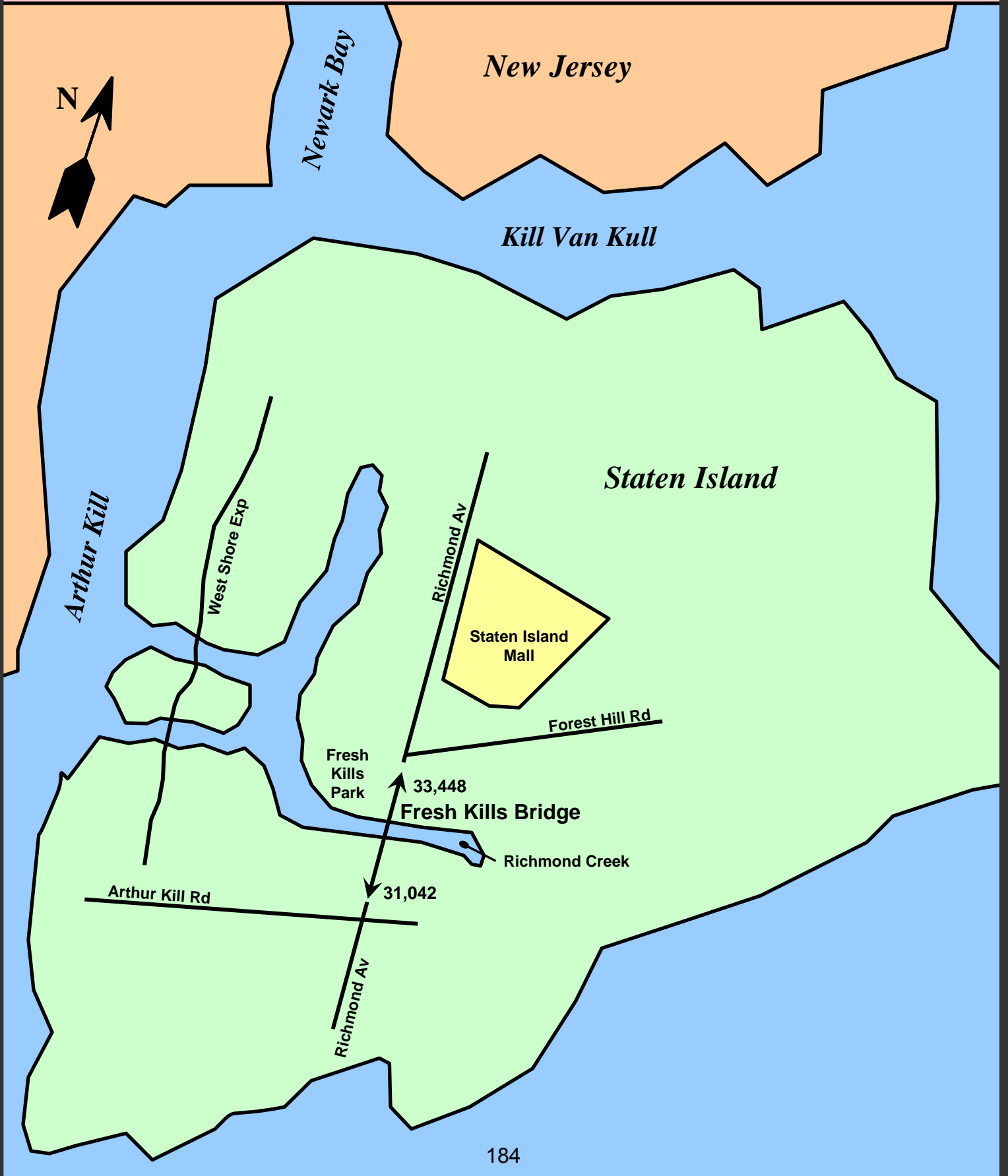


Staten Island ~ Fresh Kills Bridge



Staten Island ~ Fresh Kills Bridge

2009 Daily Volumes



**Staten Island Bridges
Average Daily Traffic Volumes
1948 - 2009**

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

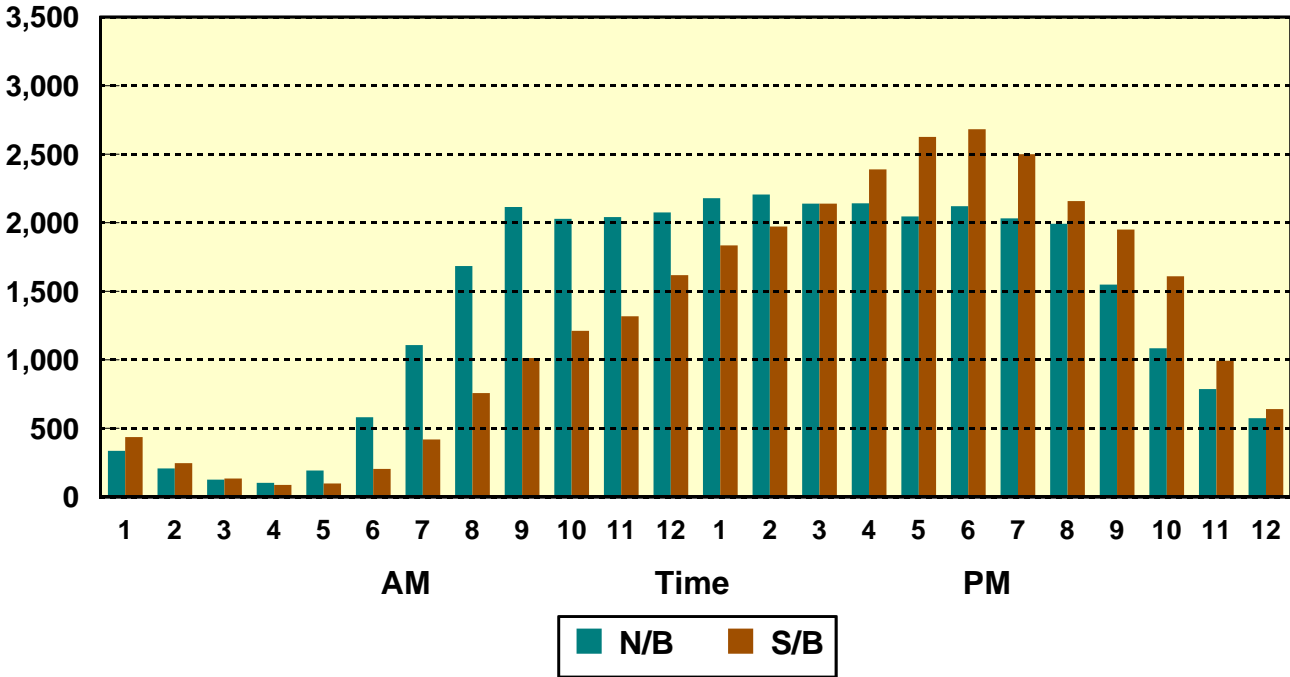
Hourly Vehicular Volumes Fresh Kills Bridge - 2009

	Northbound						Southbound						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	336	---	---	---	---	---	437	773
1-2am	---	---	---	---	---	208	---	---	---	---	---	246	454
2-3am	---	---	---	---	---	126	---	---	---	---	---	135	261
3-4am	---	---	---	---	---	103	---	---	---	---	---	88	191
4-5am	---	---	---	---	---	193	---	---	---	---	---	98	291
5-6am	---	---	---	---	---	581	---	---	---	---	---	205	786
6-7am	---	---	---	---	---	1,107	---	---	---	---	---	420	1,527
7-8am	885	92	268	297	141	1,683	662	44	4	26	22	758	2,441
8-9am	908	199	393	480	135	2,115	903	19	3	59	29	1,013	3,128
9-10am	1,451	25	213	287	53	2,029	1,059	19	4	87	42	1,211	3,240
10-11am	1,783	40	80	117	22	2,042	1,230	15	0	46	26	1,317	3,359
11-12am	1,479	78	187	294	37	2,075	1,403	15	2	129	68	1,617	3,692
12-1pm	1,821	30	99	193	36	2,179	1,658	37	0	92	48	1,835	4,014
1-2pm	1,936	58	77	90	45	2,206 **	1,800	75	0	70	28	1,973	4,179
2-3pm	1,619	93	154	247	26	2,139	1,769	63	0	202	105	2,139	4,278
3-4pm	1,856	94	87	91	14	2,142	2,175	39	5	89	81	2,389	4,531
4-5pm	1,679	47	129	156	35	2,046	2,320	27	4	168	107	2,626	4,672
5-6pm	1,673	97	172	154	25	2,121	2,294	34	4	211	139	2,682 **	4,803 **
6-7pm	1,582	144	157	114	35	2,032	2,166	31	15	163	125	2,500	4,532
7-8pm	---	---	---	---	---	1,993	---	---	---	---	---	2,159	4,152
8-9pm	---	---	---	---	---	1,548	---	---	---	---	---	1,951	3,499
9-10pm	---	---	---	---	---	1,084	---	---	---	---	---	1,609	2,693
10-11pm	---	---	---	---	---	786	---	---	---	---	---	993	1,779
11-12pm	---	---	---	---	---	574	---	---	---	---	---	641	1,215
Totals	---	---	---	---	---	33,448	---	---	---	---	---	31,042	64,490
7-10am	3,244	316	874	1,064	329	5,827	2,624	82	11	172	93	2,982	8,809
10am-1pm	5,083	148	366	604	95	6,296	4,291	67	2	267	142	4,769	11,065
1-4pm	5,411	245	318	428	85	6,487	5,744	177	5	361	214	6,501	12,988
4-7pm	4,934	288	458	424	95	6,199	6,780	92	23	542	371	7,808	14,007
7am-7pm	18,672	997	2,016	2,520	604	24,809	19,439	418	41	1,342	820	22,060	46,869

Based on 1989 Classification Survey Data

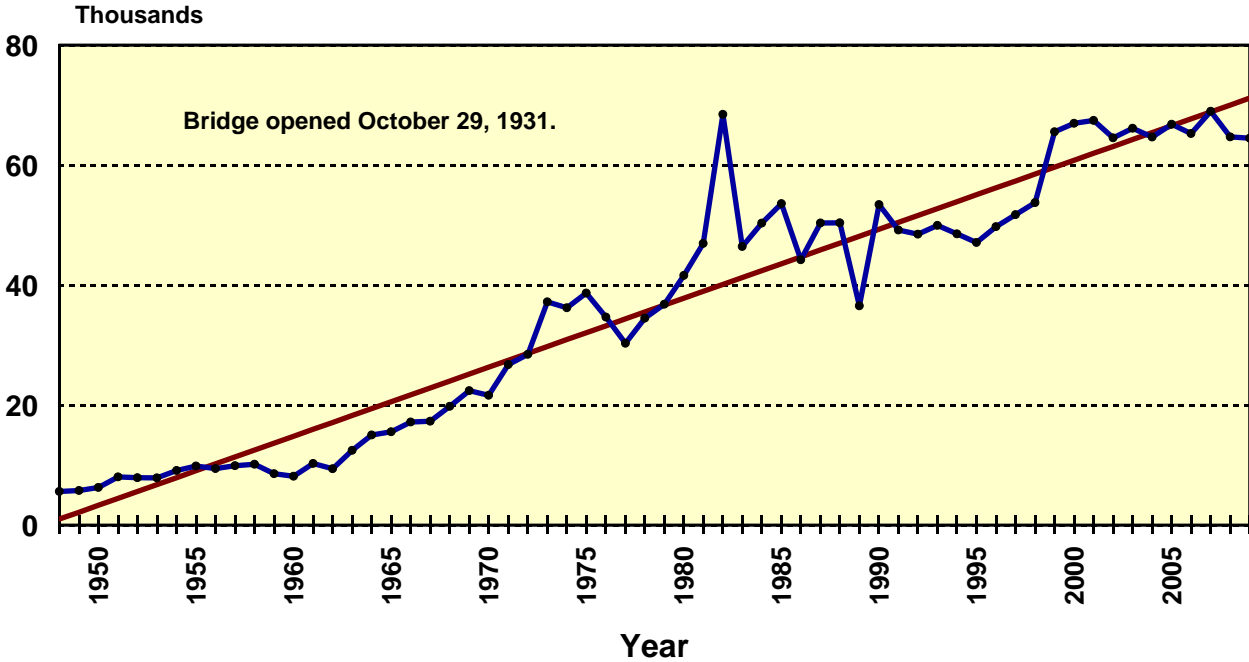
** Peak Volumes

Hourly Vehicular Volumes Fresh Kills Bridge - 2009



Average Daily Traffic Volumes Fresh Kills Bridge

1948-2009 Growth Rate = 7.2%



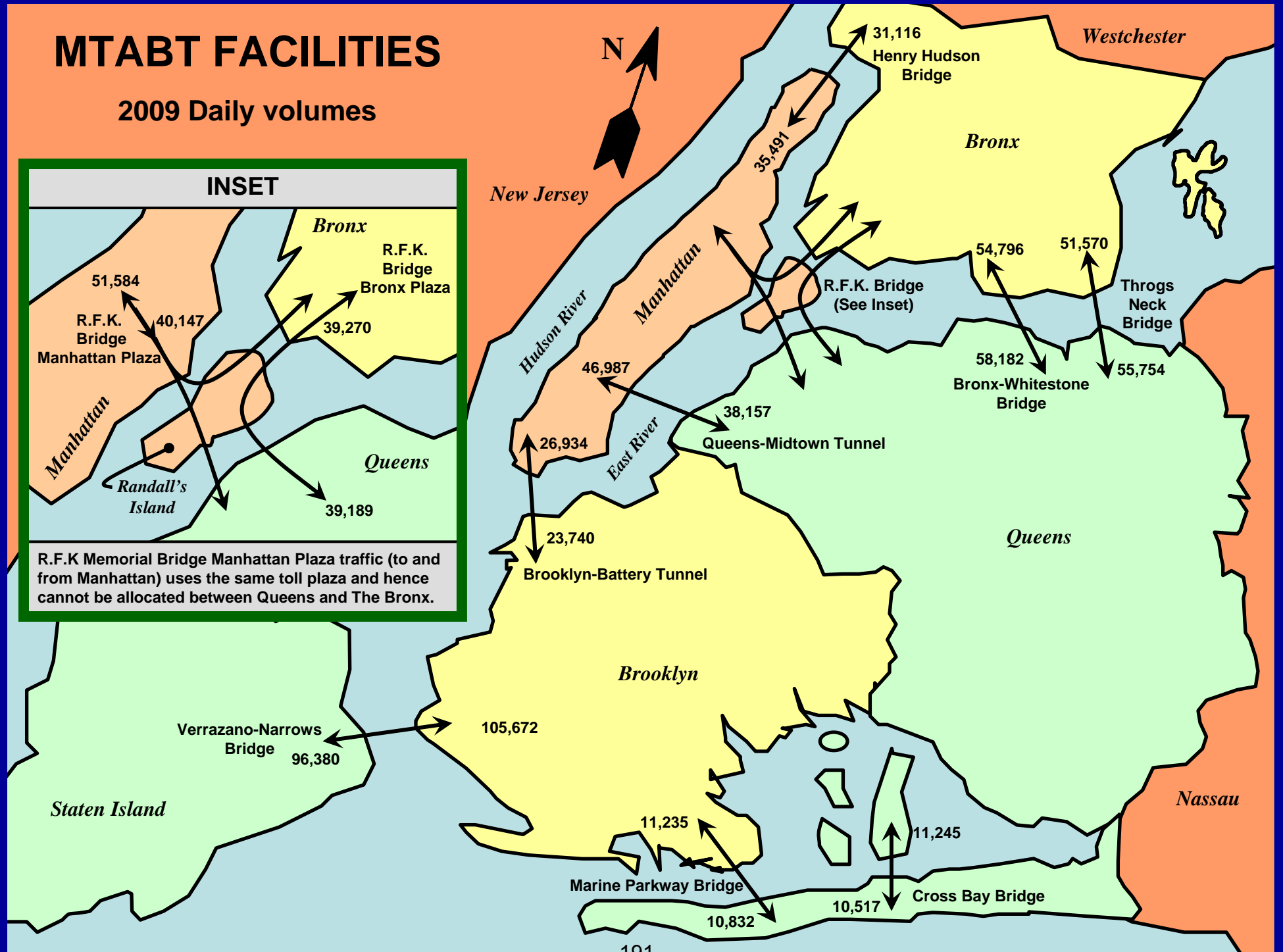
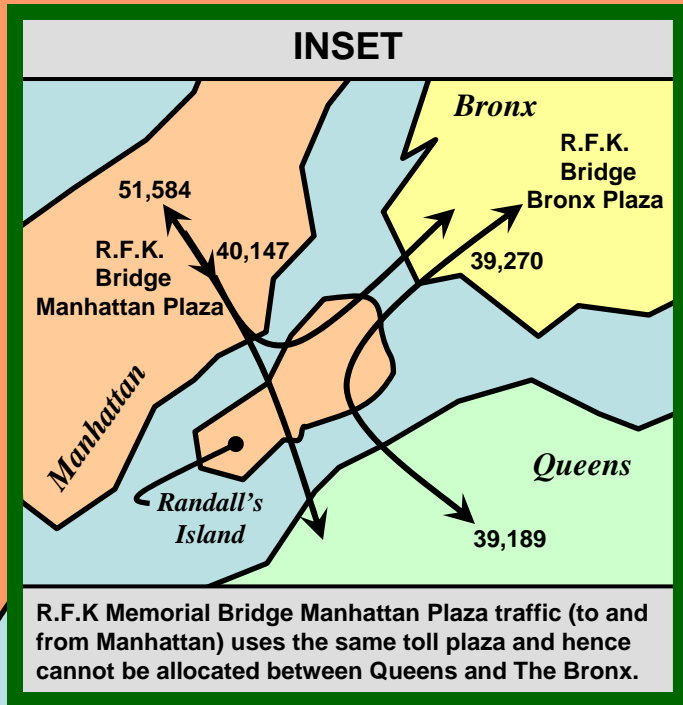
MTABT Facilities



Bronx-Whitestone Bridge

MTABT FACILITIES

2009 Daily volumes



**MTABT Manhattan Facilities ~ Average Daily Traffic Volumes
1948 - 2009**

Year	Robert F. Kennedy Memorial Bridge				
	Brooklyn- Battery Tunnel	Henry Hudson Bridge	Queens- Midtown Tunnel	Manh. Plz. (Triborough Bridge)	Manhattan Totals
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
2009	50,674	66,607	85,144	91,731	294,156

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

**MTABT Outer Borough Bridges ~ Average Daily Traffic Volumes
1948 - 2009**

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

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

Hourly Vehicular Volumes

Metropolitan Transportation Authority Bridges & Tunnels 2009

*Robert F. Kennedy
Memorial Bridge*

	<i>Brooklyn-Battery Tunnel</i>		<i>Henry Hudson Bridge</i>		<i>Queens-Midtown Tunnel</i>		<i>Robert F. Kennedy Memorial Bridge (Triborough Bridge) Mahattan Plaza</i>		<i>Totals</i>	
	<i>N/B</i>	<i>S/B</i>	<i>S/B</i>	<i>N/B</i>	<i>W/B</i>	<i>E/B</i>	<i>W/B</i>	<i>E/B</i>	<i>Entering Manhattan</i>	<i>Leaving Manhattan</i>
12-1am	161	436	117	432	412	793	437	465	1,127	2,126
1-2am	85	193	71	218	168	391	187	234	511	1,036
2-3am	37	101	43	100	127	241	122	141	329	583
3-4am	39	64	48	67	158	183	121	164	366	478
4-5am	144	72	103	86	252	348	256	401	755	907
5-6am	640	131	426	128	923	691	961	917	2,950	1,867
6-7am	1,981	364	2,039	527	2,403	1,238	3,041	1,642	9,464	3,771
7-8am	2,853	567	3,389 **	1,359	3,302	1,339	4,091 **	1,982	13,635	5,247
8-9am	2,910 **	727	3,364	1,800	4,196 **	1,290	4,091 **	2,184	14,561 **	6,001
9-10am	2,595	725	2,748	1,152	4,013	1,288	3,668	1,964	13,024	5,129
10-11am	1,543	750	2,127	992	2,951	1,444	3,263	1,776	9,884	4,962
11-12am	1,403	804	1,794	993	2,726	1,668	2,686	1,870	8,609	5,335
12-1pm	1,386	936	1,623	1,128	2,389	1,985	2,494	2,078	7,892	6,127
1-2pm	1,424	977	1,470	1,235	2,312	2,259	2,516	2,246	7,722	6,717
2-3pm	1,526	1,358	1,630	1,717	2,409	2,609	2,842	2,549	8,407	8,233
3-4pm	1,487	1,810	2,240	2,211	2,738	2,797	3,220	2,865	9,685	9,683
4-5pm	1,334	2,204	2,455	2,646	2,836	2,870 **	3,174	2,937	9,799	10,657
5-6pm	1,364	2,558 **	2,940	3,015	2,956	2,846	3,308	2,955 **	10,568	11,374 **
6-7pm	1,127	2,387	2,663	3,078 **	2,788	2,651	3,166	2,793	9,744	10,909
7-8pm	905	1,834	1,634	2,306	1,989	2,156	2,516	2,379	7,044	8,675
8-9pm	636	1,599	975	1,840	1,563	2,060	1,815	1,865	4,989	7,364
9-10pm	508	1,287	782	1,719	1,349	2,006	1,538	1,615	4,177	6,627
10-11pm	393	1,173	546	1,523	1,209	1,855	1,209	1,327	3,357	5,878
11-12pm	453	683	264	844	818	1,149	862	798	2,397	3,474
Totals	26,934	23,740	35,491	31,116	46,987	38,157	51,584	40,147	160,996	133,160
7-10am	8,358	2,019	9,501	4,311	11,511	3,917	11,850	6,130	41,220	16,377
10am-1pm	4,332	2,490	5,544	3,113	8,066	5,097	8,443	5,724	26,385	16,424
1-4pm	4,437	4,145	5,340	5,163	7,459	7,665	8,578	7,660	25,814	24,633
4-7pm	3,825	7,149	8,058	8,739	8,580	8,367	9,648	8,685	30,111	32,940
7am-7pm	20,952	15,803	28,443	21,326	35,616	25,046	38,519	28,199	123,530	90,374

** Peak Volumes

Hourly Vehicular Volumes

Metropolitan Transportation Authority Bridges & Tunnels 2009

	Bronx-Whitestone Bridge		Cross Bay Bridge		Marine Parkway Gil Hodges Memorial Bridge		Robert F. Kennedy Memorial Bridge (Triborough Bridge) Bronx Plaza		Throgs Neck Bridge		Verrazano-Narrows Bridge	
	N/B	S/B	N/B	S/B	N/B	S/B	N/B	S/B	N/B	S/B	E/B	W/B
	12-1am	797	775	79	182	58	121	595	474	473	675	2,733
1-2am	441	450	40	88	27	62	343	291	338	467	1,417	942
2-3am	316	376	39	49	23	43	224	256	231	330	771	616
3-4am	347	404	45	38	22	23	255	304	306	310	622	509
4-5am	576	858	139	40	60	35	451	564	652	471	635	611
5-6am	1,502	1,799	431	134	275	109	927	1,192	1,975	1,018	1,023	1,151
6-7am	3,188	3,353	949	363	805	347	1,923	2,465	4,163	2,250	3,517	2,786
7-8am	4,044	3,471	1,388 **	486	1,528 **	414	2,775	2,424	4,512 **	2,941	8,642	4,045
8-9am	4,186 **	3,478	978	465	1,166	469	2,890 **	2,377	3,987	3,172	10,055 **	4,594
9-10am	3,347	2,986	613	411	768	395	2,265	2,305	3,556	2,696	8,190	4,328
10-11am	2,624	2,594	516	416	607	385	2,013	2,122	2,952	2,450	6,280	3,751
11-12am	2,338	2,561	549	407	535	454	1,890	1,980	2,589	2,377	5,008	3,861
12-1pm	2,157	2,633	564	437	497	492	1,839	2,025	2,414	2,438	4,424	4,117
1-2pm	2,317	2,851	551	503	516	526	2,065	2,056	2,408	2,787	4,205	4,739
2-3pm	2,772	3,149	650	640	595	639	2,352	2,313	2,648	3,530	4,430	6,068
3-4pm	3,403	3,891	717	798	654	904	2,617	2,546	2,713	4,495	4,922	8,042
4-5pm	3,585	3,910	655	848	701	1,025	2,716	2,629 **	2,836	4,633	5,888	7,688
5-6pm	3,497	4,148 **	555	914 **	684	1,041 **	2,487	2,460	2,772	4,689 **	6,279	8,430 **
6-7pm	3,221	3,740	504	898	565	1,000	2,150	2,087	2,587	4,232	6,277	7,413
7-8pm	2,715	3,356	371	747	392	735	1,824	1,766	2,212	3,082	5,542	6,188
8-9pm	2,217	2,383	300	567	256	576	1,482	1,400	1,755	2,131	4,505	4,849
9-10pm	2,154	2,086	254	451	200	482	1,234	1,205	1,468	1,979	3,654	4,221
10-11pm	1,729	1,805	201	394	165	348	1,052	1,219	1,168	1,570	3,361	3,324
11-12pm	1,323	1,125	157	241	136	207	901	729	855	1,031	3,292	2,405
Totals	54,796	58,182	11,245	10,517	11,235	10,832	39,270	39,189	51,570	55,754	105,672	96,380
7-10am	11,577	9,935	2,979	1,362	3,462	1,278	7,930	7,106	12,055	8,809	26,887	12,967
10am-1pm	7,119	7,788	1,629	1,260	1,639	1,331	5,742	6,127	7,955	7,265	15,712	11,729
1-4pm	8,492	9,891	1,918	1,941	1,765	2,069	7,034	6,915	7,769	10,812	13,557	18,849
4-7pm	10,303	11,798	1,714	2,660	1,950	3,066	7,353	7,176	8,195	13,554	18,444	23,531
7am-7pm	37,491	39,412	8,240	7,223	8,816	7,744	28,059	27,324	35,974	40,440	74,600	67,076

** Peak Volumes

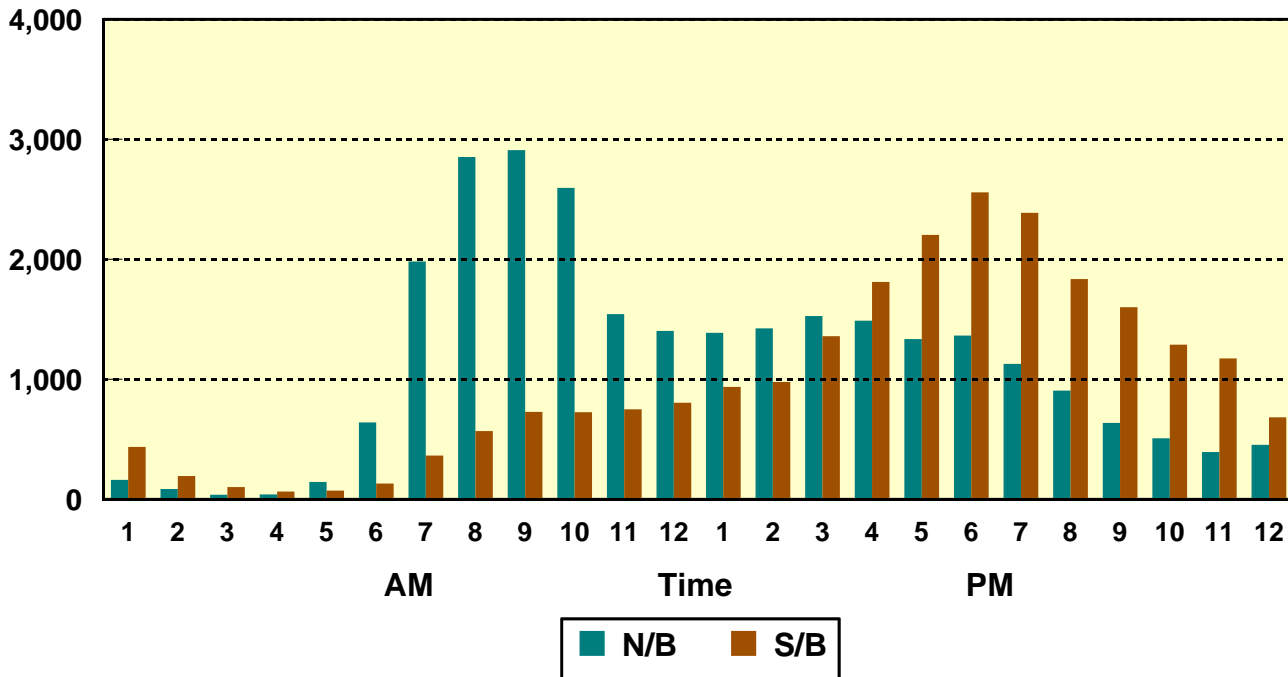
Hourly Vehicular Volumes Brooklyn Battery Tunnel - 2009

FHWA Classes ▶	Northbound to Manhattan						Southbound to Brooklyn						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	Pickups Large SUVs	Buses					Autos & Motorcycles	Pickups Large SUVs	Buses					
	1 & 2	3	4	5 - 7	8 - 13		1 & 2	3	4	5 - 7	8 - 13				
12-1am	138	5	9	9	0	161	397	9	26	4	0	436	597		
1-2am	74	4	6	1	0	85	184	0	8	1	0	193	278		
2-3am	33	0	2	2	0	37	97	1	2	1	0	101	138		
3-4am	32	1	4	2	0	39	63	0	0	1	0	64	103		
4-5am	92	5	36	11	0	144	67	0	4	1	0	72	216		
5-6am	577	6	51	6	0	640	117	1	9	4	0	131	771		
6-7am	1,769	12	178	22	0	1,981	271	6	76	11	0	364	2,345		
7-8am	2,505	15	295	38	0	2,853	409	6	137	15	0	567	3,420		
8-9am	2,543	15	317	35	0	2,910 **	531	6	173	17	0	727	3,637		
9-10am	2,369	19	169	38	0	2,595	556	7	142	20	0	725	3,320		
10-11am	1,404	19	78	41	1	1,543	655	9	70	16	0	750	2,293		
11-12am	1,300	12	58	32	1	1,403	725	8	55	16	0	804	2,207		
12-1pm	1,276	14	67	29	0	1,386	862	10	47	17	0	936	2,322		
1-2pm	1,287	13	87	37	0	1,424	882	10	63	22	0	977	2,401		
2-3pm	1,371	11	116	27	1	1,526	1,242	14	78	24	0	1,358	2,884		
3-4pm	1,328	6	141	12	0	1,487	1,650	12	126	22	0	1,810	3,297		
4-5pm	1,163	4	157	9	1	1,334	1,999	6	180	19	0	2,204	3,538		
5-6pm	1,215	3	137	6	3	1,364	2,275	7	261	14	1	2,558 **	3,922 **		
6-7pm	1,047	3	70	6	1	1,127	2,192	6	177	11	1	2,387	3,514		
7-8pm	860	1	41	3	0	905	1,729	5	93	7	0	1,834	2,739		
8-9pm	604	4	24	4	0	636	1,494	7	89	9	0	1,599	2,235		
9-10pm	483	1	22	2	0	508	1,216	4	54	13	0	1,287	1,795		
10-11pm	372	1	18	2	0	393	1,127	5	32	9	0	1,173	1,566		
11-12pm	401	0	38	14	0	453	644	5	27	7	0	683	1,136		
Totals	24,243	174	2,121	388	8	26,934	21,384	144	1,929	281	2	23,740	50,674		
7-10am	7,417	49	781	111	0	8,358	1,496	19	452	52	0	2,019	10,377		
10am-1pm	3,980	45	203	102	2	4,332	2,242	27	172	49	0	2,490	6,822		
1-4pm	3,986	30	344	76	1	4,437	3,774	36	267	68	0	4,145	8,582		
4-7pm	3,425	10	364	21	5	3,825	6,466	19	618	44	2	7,149	10,974		
7am-7pm	18,808	134	1,692	310	8	20,952	13,978	101	1,509	213	2	15,803	36,755		

Based on May 2006 Classification Survey Data.

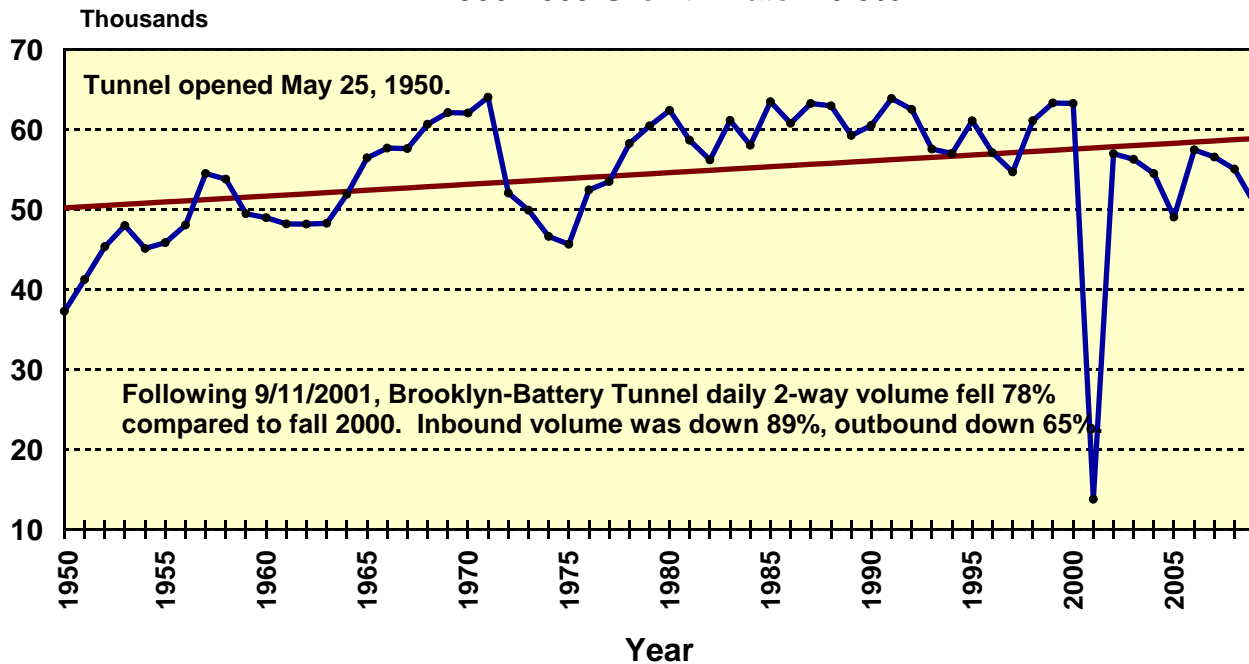
** Peak Volumes

Hourly Vehicular Volumes Brooklyn-Battery Tunnel - 2009



Average Daily Traffic Volumes Brooklyn-Battery Tunnel

1950-2009 Growth Rate = 0.3%



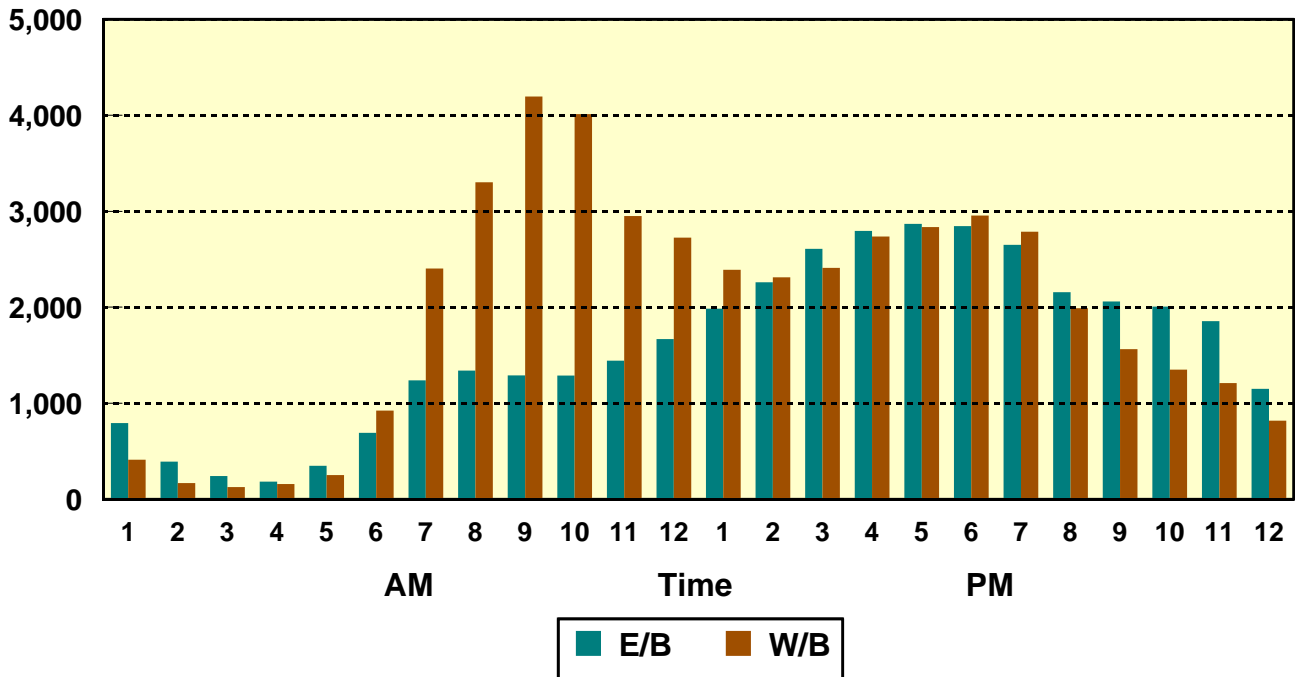
Hourly Vehicular Volumes Queens-Midtown Tunnel - 2009

FHWA Classes ▶	<i>Westbound to Manhattan</i>						<i>Eastbound to Queens</i>						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	Pickups Large SUVs	Buses					Autos & Motorcycles	Pickups Large SUVs	Buses					
	1 & 2	3	4	5 - 7	8 - 13		1 & 2	3	4	5 - 7	8 - 13				
12-1am	398	2	3	9	0	412	765	7	1	20	0	793	1,205		
1-2am	161	1	0	6	0	168	372	4	0	15	0	391	559		
2-3am	118	1	1	7	0	127	225	5	0	11	0	241	368		
3-4am	143	1	3	11	0	158	163	9	0	11	0	183	341		
4-5am	202	5	14	31	0	252	287	24	3	33	1	348	600		
5-6am	805	9	46	63	0	923	615	18	11	47	0	691	1,614		
6-7am	2,053	84	152	114	0	2,403	1,121	34	48	35	0	1,238	3,641		
7-8am	2,847	117	208	129	1	3,302	1,191	51	63	34	0	1,339	4,641		
8-9am	3,773	118	148	157	0	4,196 **	1,127	41	78	44	0	1,290	5,486		
9-10am	3,617	102	181	109	4	4,013	1,129	49	66	44	0	1,288	5,301		
10-11am	2,679	82	99	89	2	2,951	1,253	58	69	64	0	1,444	4,395		
11-12am	2,527	68	64	67	0	2,726	1,481	56	72	59	0	1,668	4,394		
12-1pm	2,215	37	55	82	0	2,389	1,777	64	55	89	0	1,985	4,374		
1-2pm	2,108	66	69	69	0	2,312	2,006	103	57	93	0	2,259	4,571		
2-3pm	2,187	58	110	54	0	2,409	2,418	75	45	71	0	2,609	5,018		
3-4pm	2,435	56	178	69	0	2,738	2,586	63	64	84	0	2,797	5,535		
4-5pm	2,592	35	173	36	0	2,836	2,647	78	67	78	0	2,870 **	5,706		
5-6pm	2,777	19	136	24	0	2,956	2,685	45	73	43	0	2,846	5,802 **		
6-7pm	2,665	19	78	26	0	2,788	2,520	32	60	39	0	2,651	5,439		
7-8pm	1,916	13	45	15	0	1,989	2,057	21	58	20	0	2,156	4,145		
8-9pm	1,486	20	28	29	0	1,563	1,958	24	38	40	0	2,060	3,623		
9-10pm	1,297	12	16	24	0	1,349	1,924	20	21	40	1	2,006	3,355		
10-11pm	1,159	8	12	30	0	1,209	1,789	19	10	37	0	1,855	3,064		
11-12pm	794	7	3	14	0	818	1,119	3	3	24	0	1,149	1,967		
Totals	42,954	940	1,822	1,264	7	46,987	35,215	903	962	1,075	2	38,157	85,144		
7-10am	10,237	337	537	395	5	11,511	3,447	141	207	122	0	3,917	15,428		
10am-1pm	7,421	187	218	238	2	8,066	4,511	178	196	212	0	5,097	13,163		
1-4pm	6,730	180	357	192	0	7,459	7,010	241	166	248	0	7,665	15,124		
4-7pm	8,034	73	387	86	0	8,580	7,852	155	200	160	0	8,367	16,947		
7am-7pm	32,422	777	1,499	911	7	35,616	22,820	715	769	742	0	25,046	60,662		

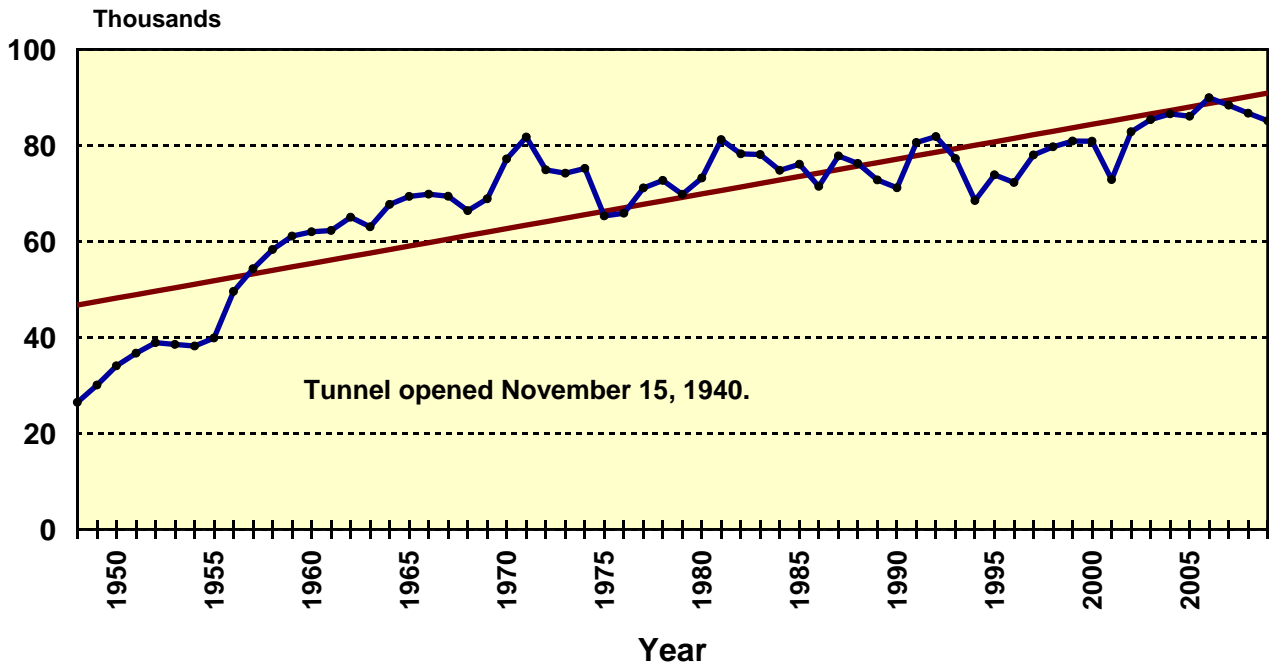
Based on May 2006 Classification Survey Data.

** Peak Volumes

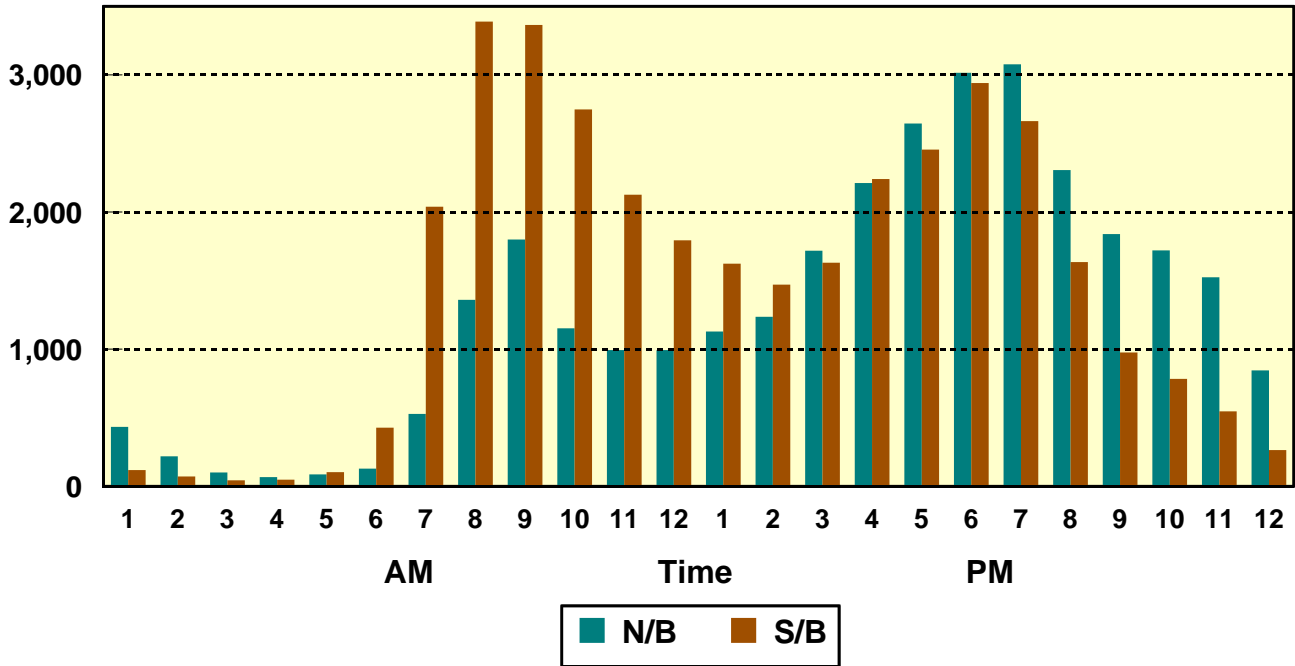
Hourly Vehicular Volumes Queens-Midtown Tunnel - 2009



Average Daily Traffic Volumes Queens-Midtown Tunnel 1948-2009 Growth Rate = 1.1%

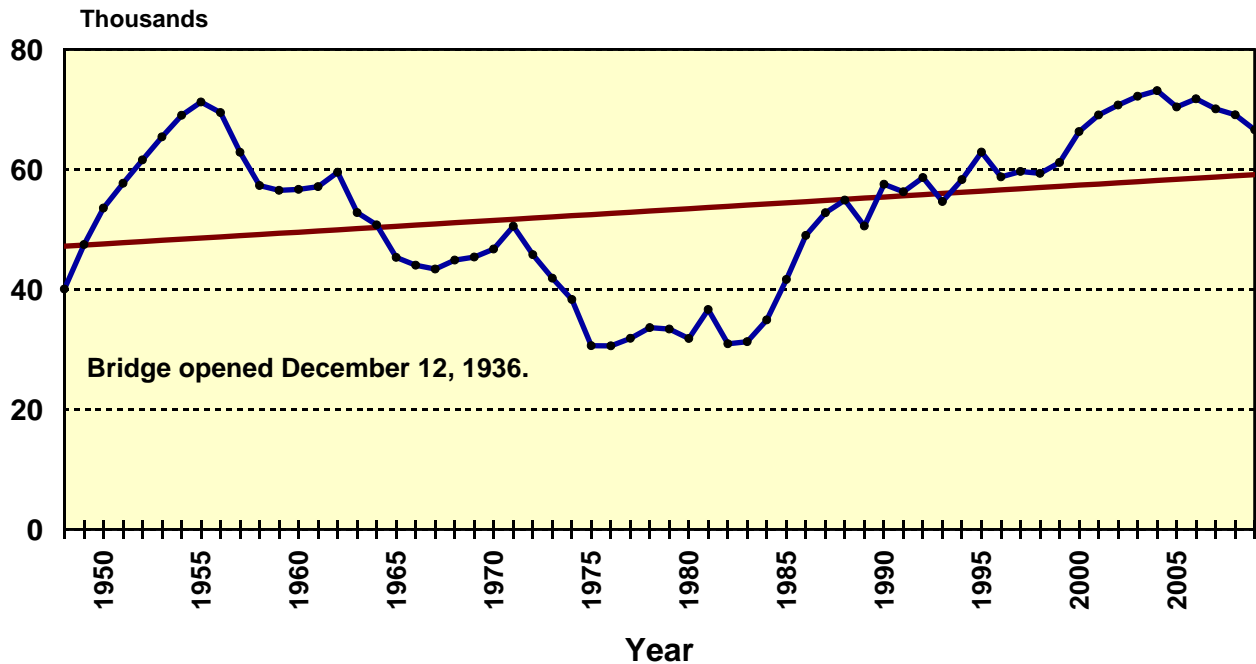


Hourly Vehicular Volumes Henry Hudson Bridge - 2009



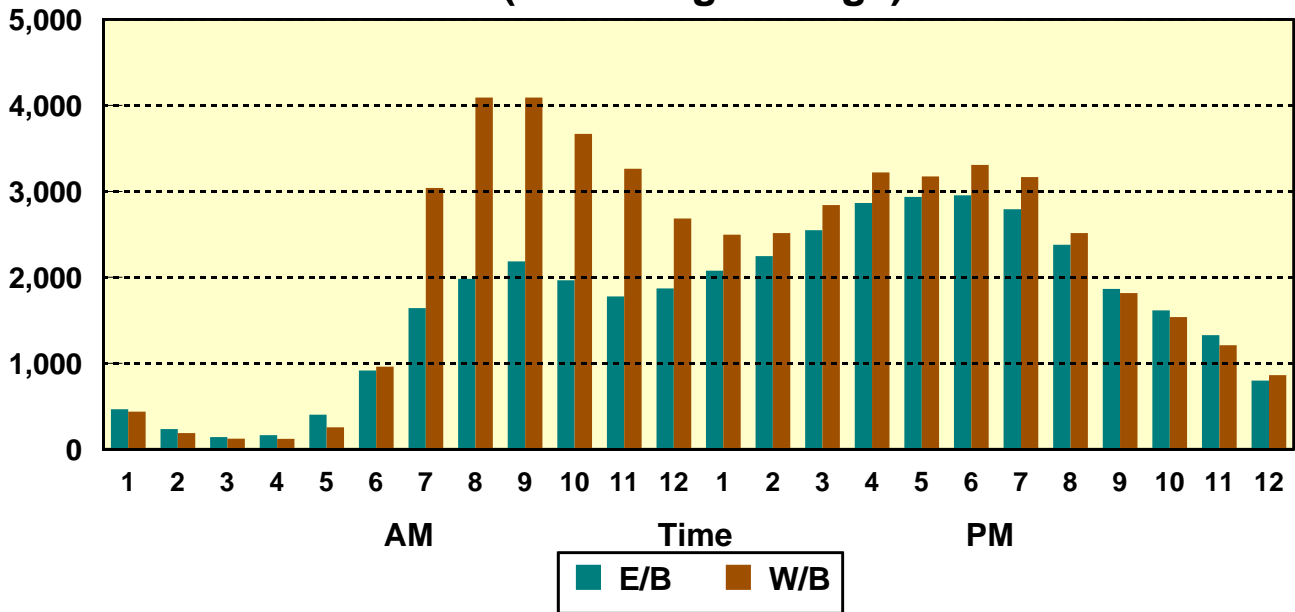
Average Daily Traffic Volumes Henry Hudson Bridge

1948-2009 Growth Rate = 0.4%



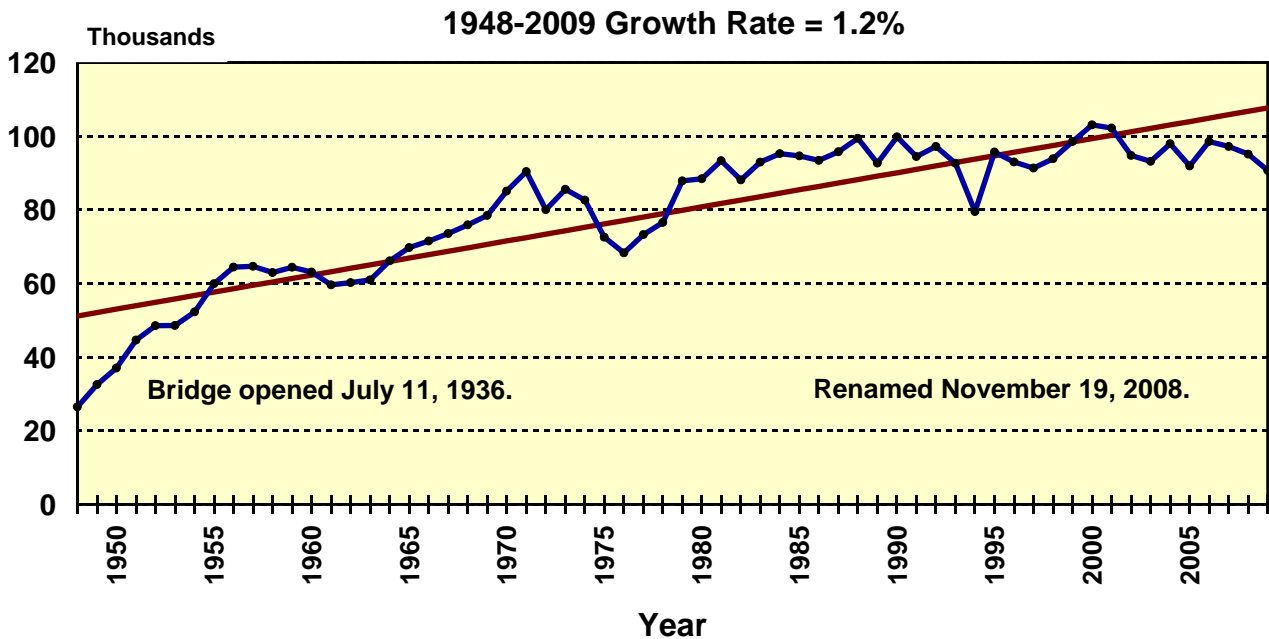
Hourly Vehicular Volumes

Robert F. Kennedy Memorial Bridge, Manhattan Plaza - 2009 (Triborough Bridge)

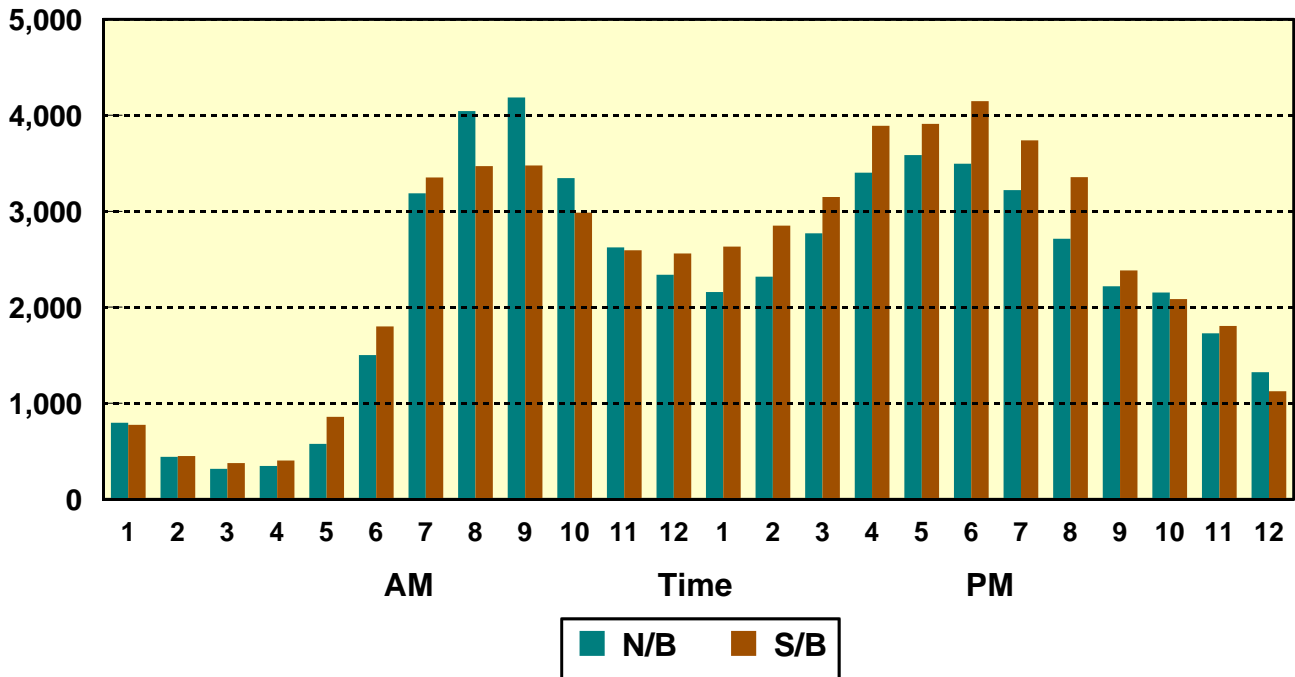


Average Daily Traffic Volumes

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

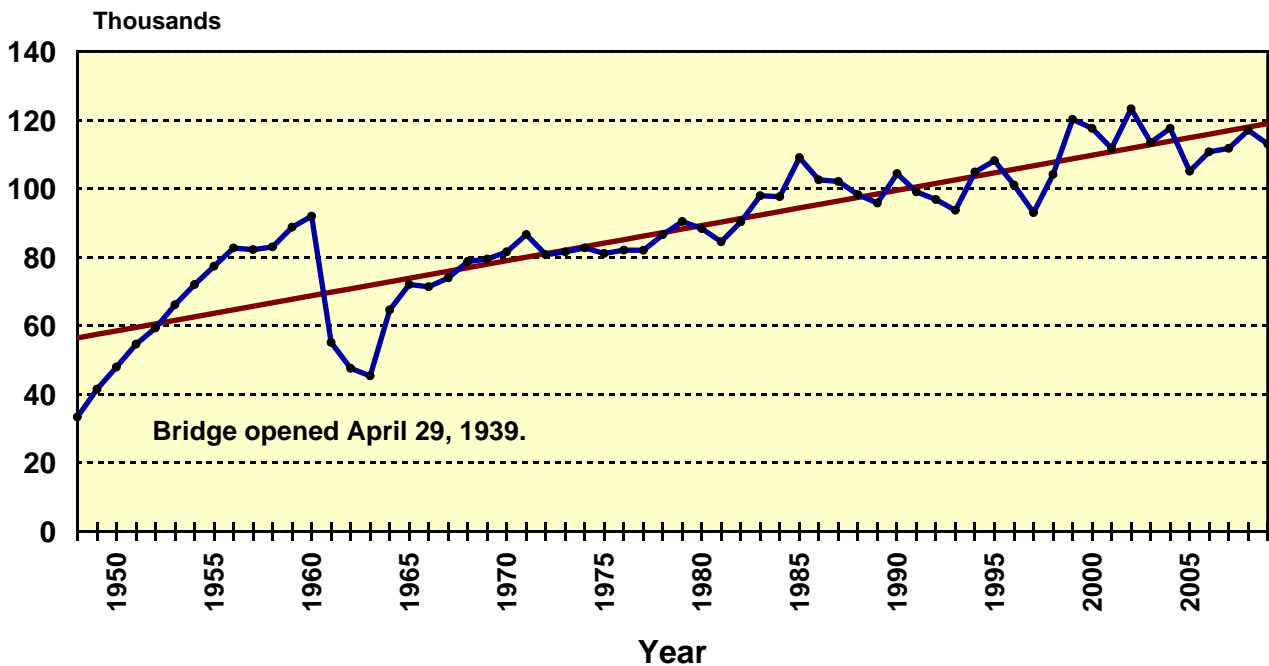


Hourly Vehicular Volumes Bronx-Whitestone Bridge - 2009

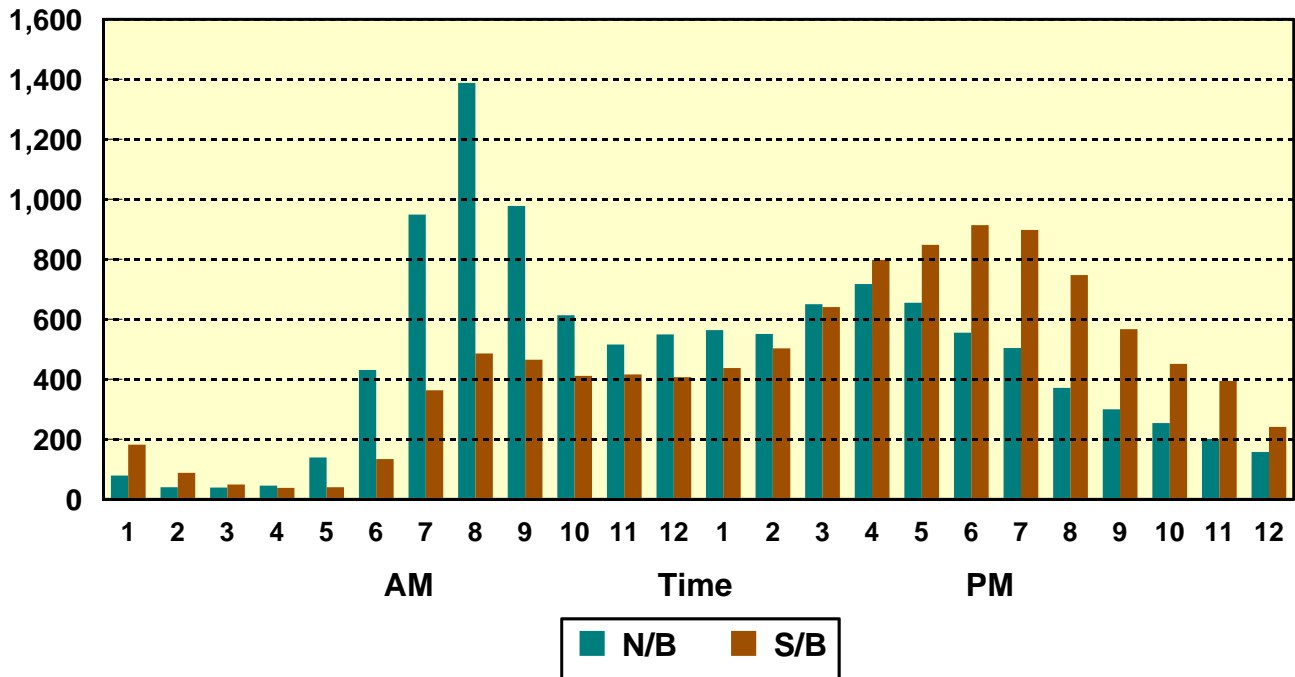


Average Daily Traffic Volumes Bronx-Whitestone Bridge

1948-2009 Growth Rate = 1.2%

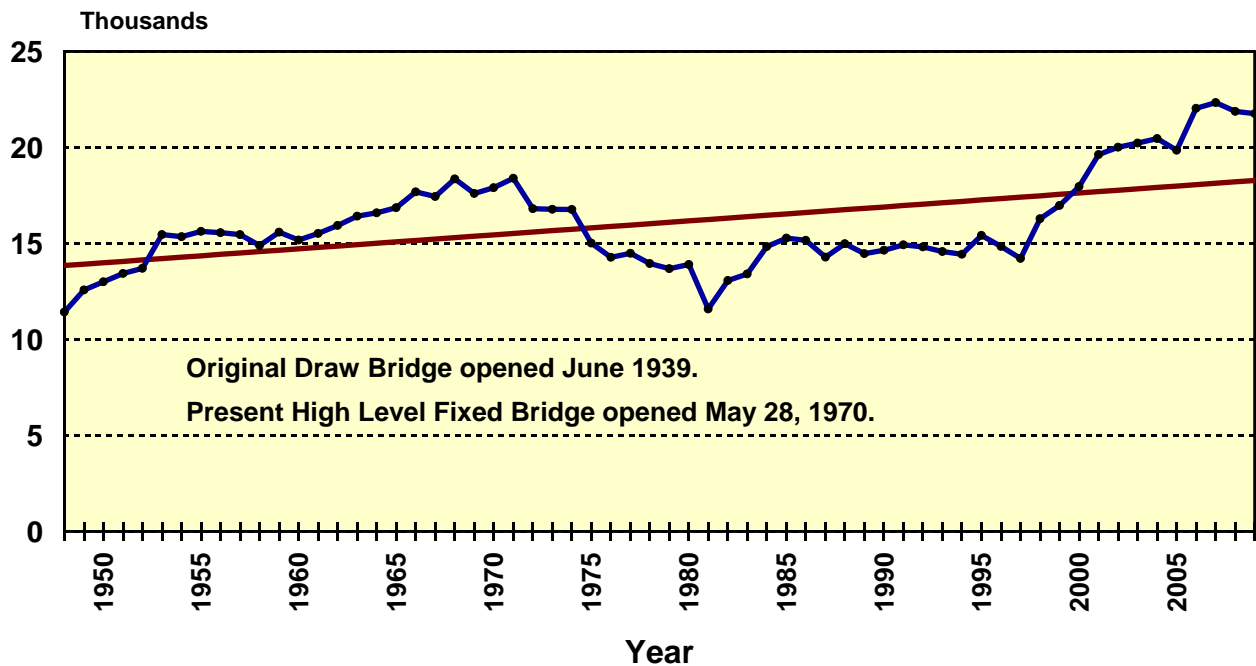


Hourly Vehicular Volumes Cross Bay Bridge - 2009



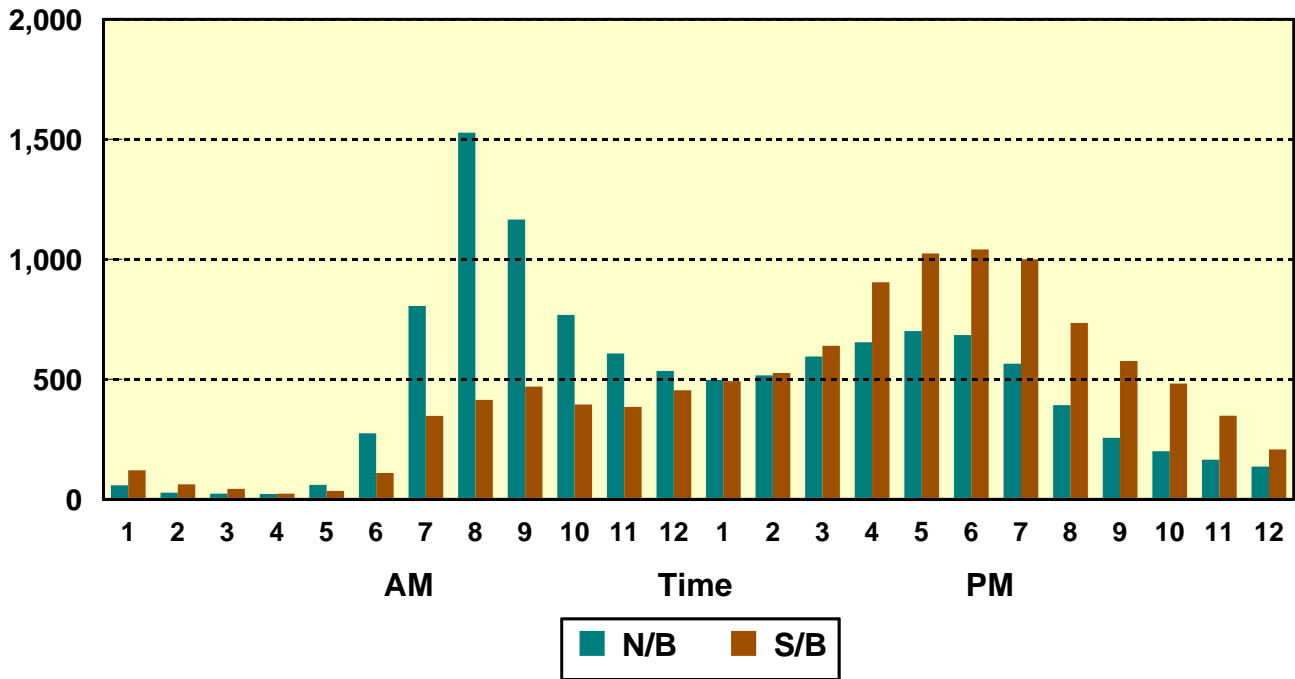
Average Daily Traffic Volumes Cross Bay Bridge

1948-2009 Growth Rate = 0.5%



Hourly Vehicular Volumes

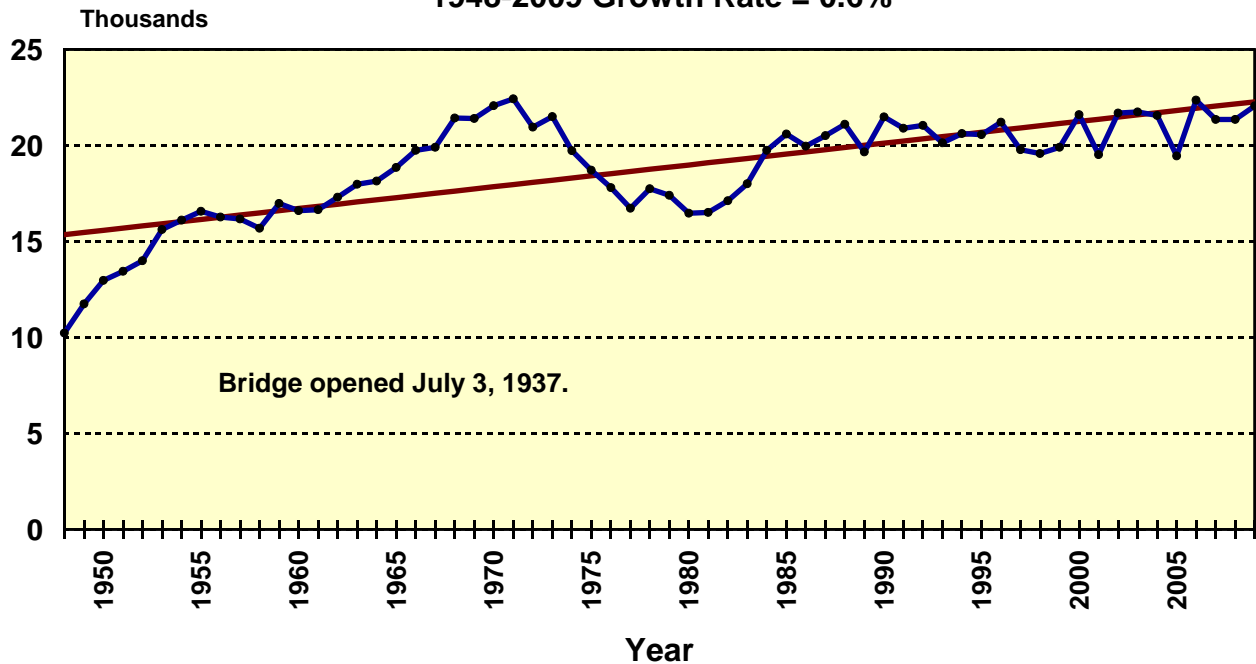
Marine Parkway Gil Hodges Memorial Bridge - 2009



Average Daily Traffic Volumes

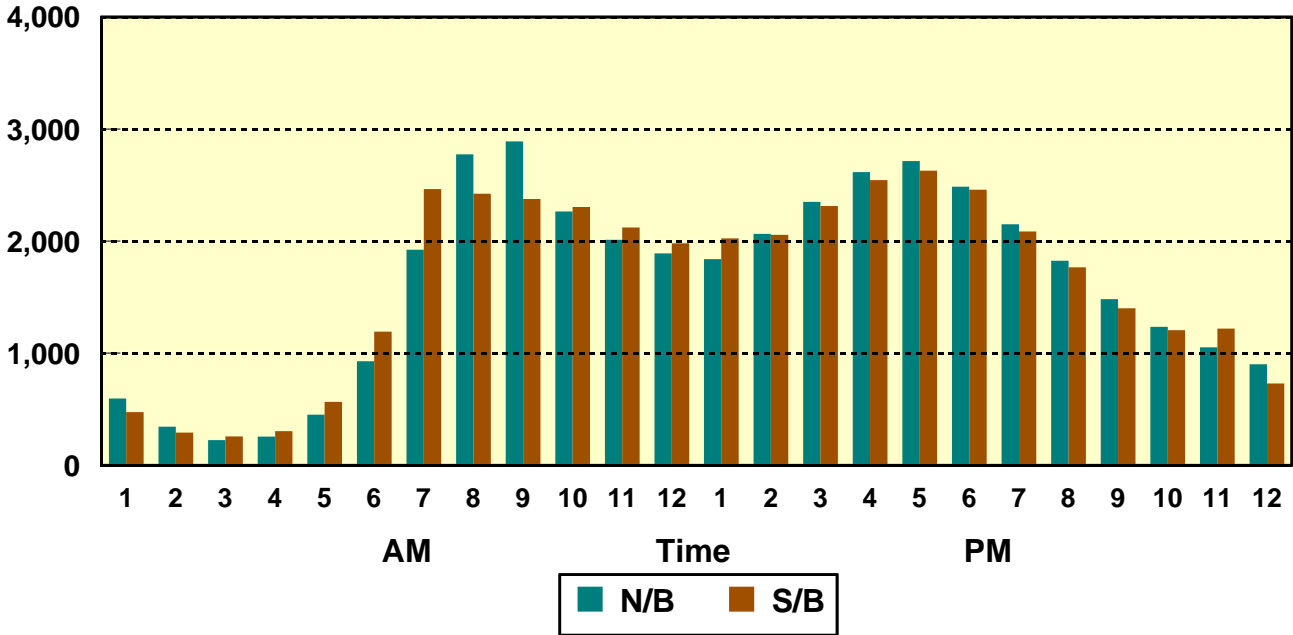
Marine Parkway Gil Hodges Memorial Bridge

1948-2009 Growth Rate = 0.6%



Hourly Vehicular Volumes

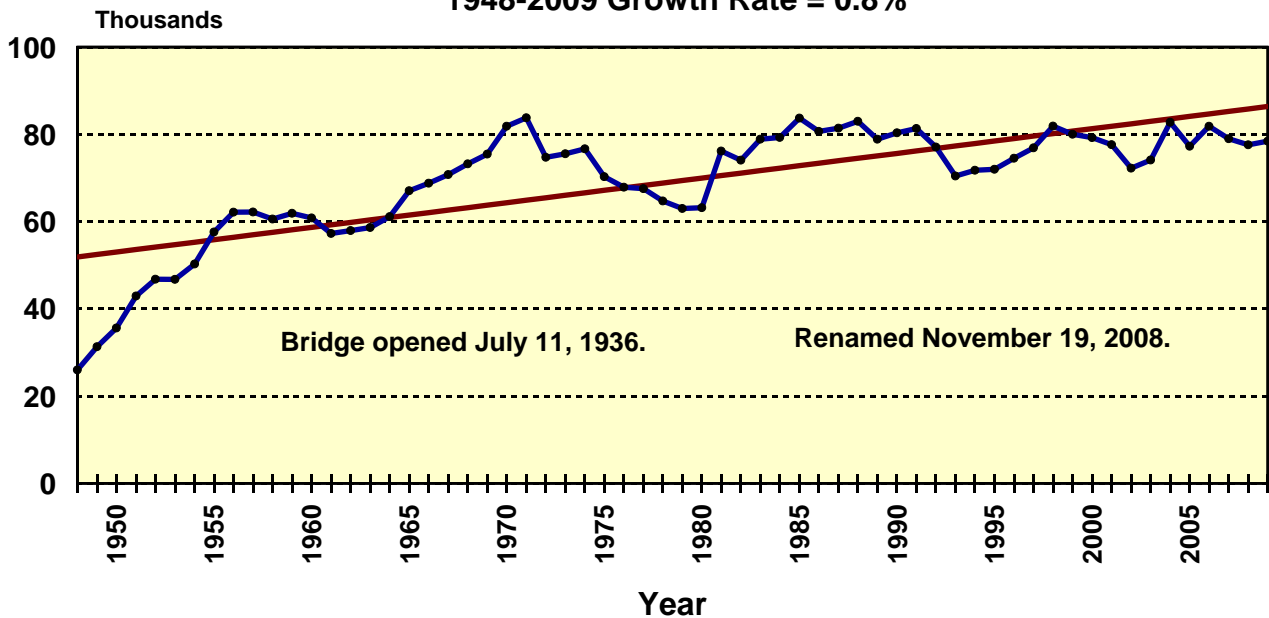
Robert F. Kennedy Memorial Bridge, Bronx Plaza - 2009 (Triborough Bridge)



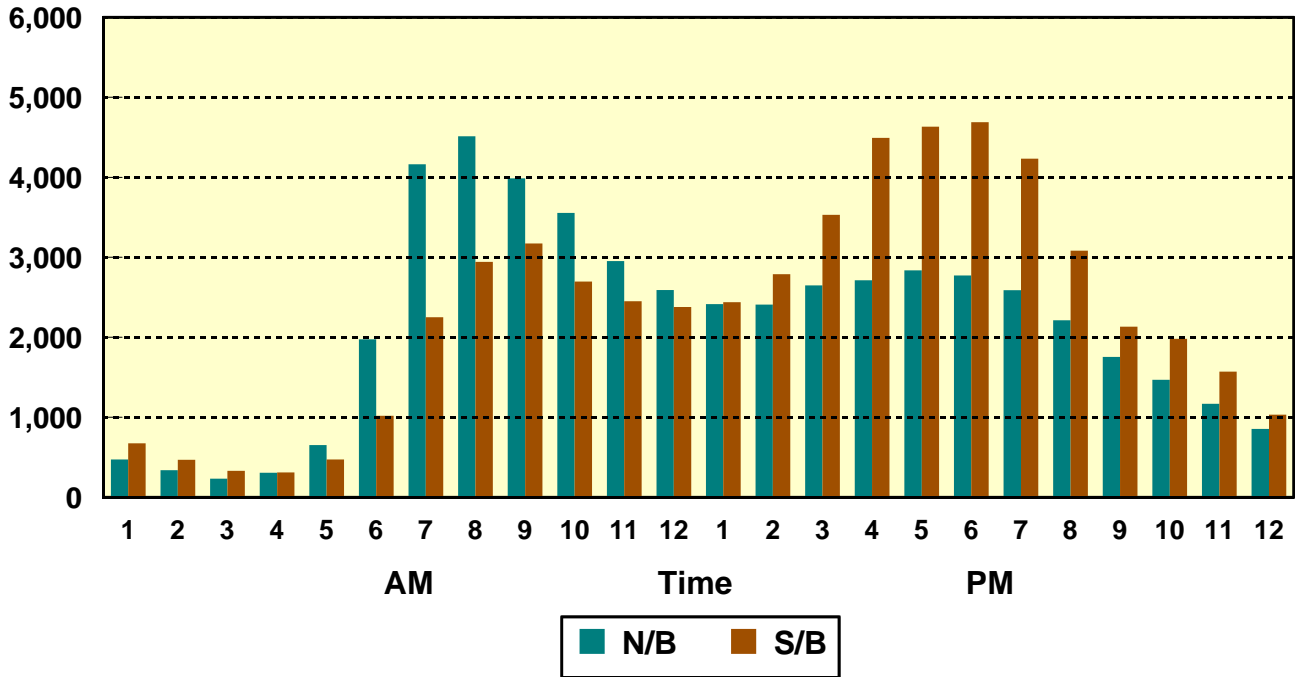
Average Daily Traffic Volumes

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

1948-2009 Growth Rate = 0.8%

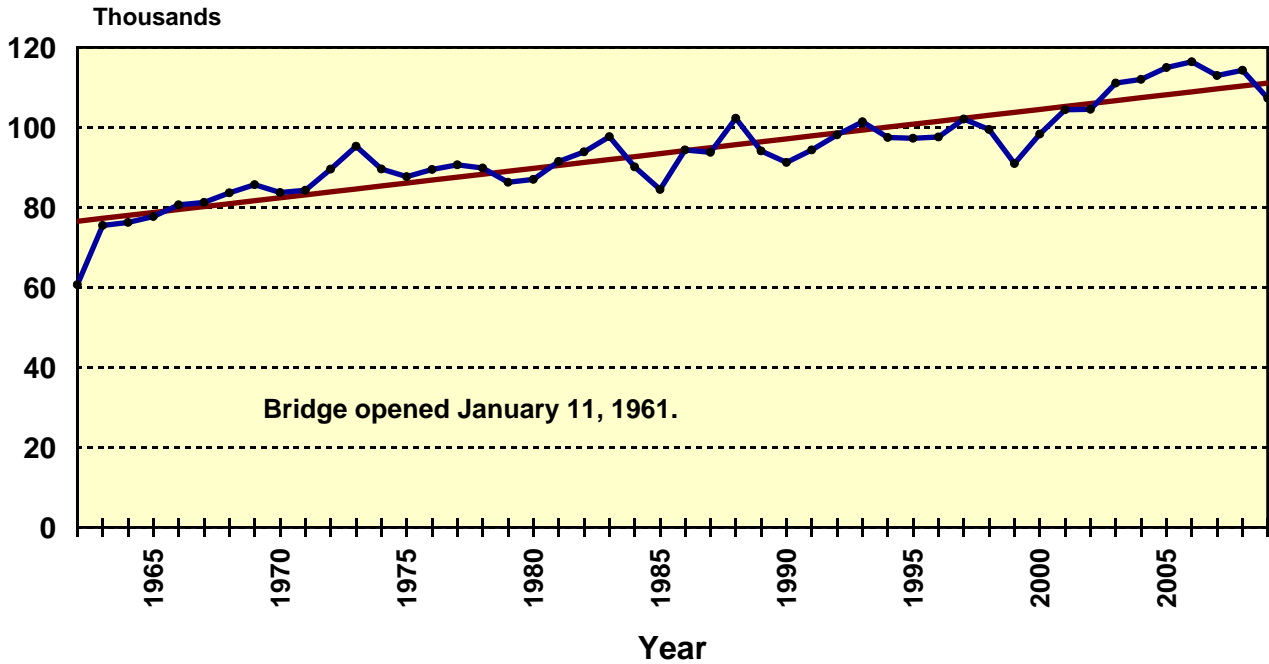


Hourly Vehicular Volumes Throgs Neck Bridge - 2009

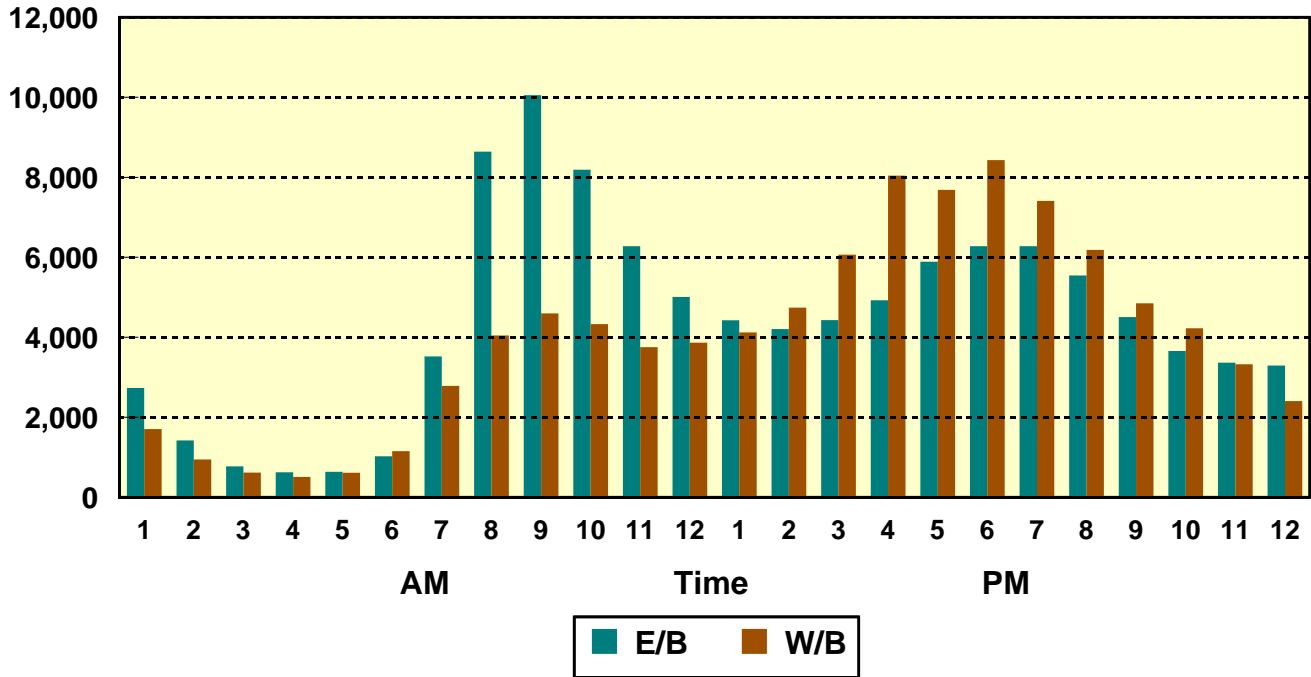


Average Daily Traffic Volumes Throgs Neck Bridge

1962-2009 Growth Rate = 0.8%

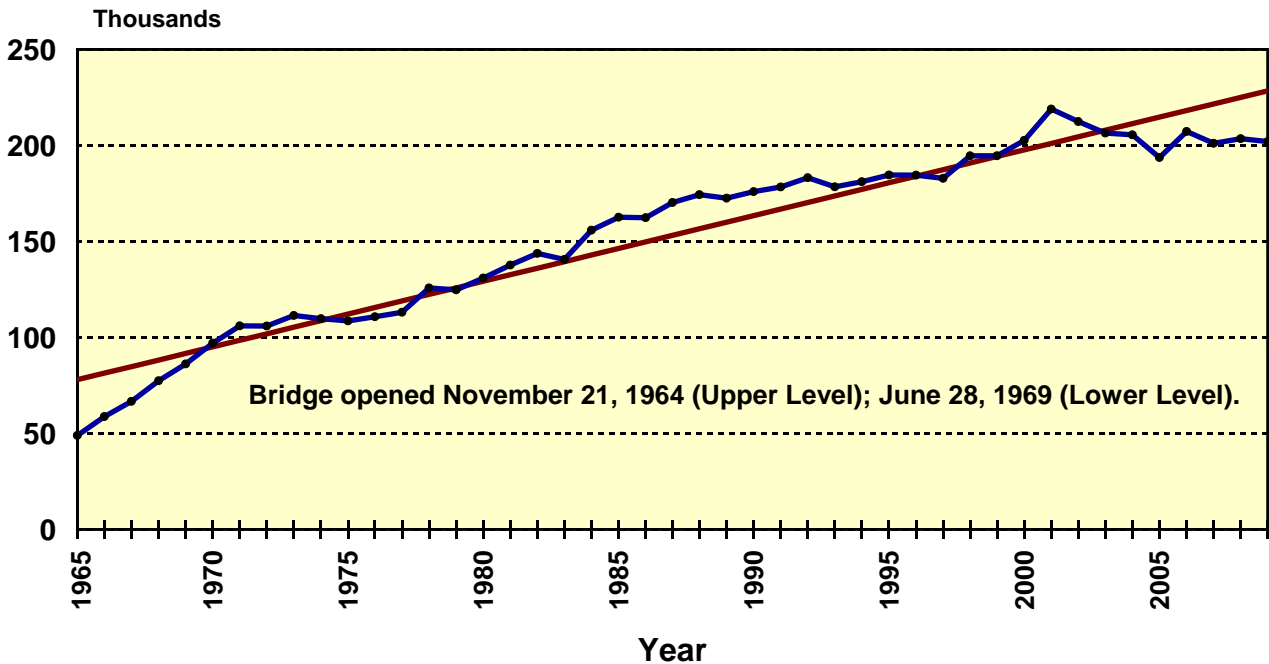


Hourly Vehicular Volumes Verrazano-Narrows Bridge - 2009



Average Daily Traffic Volumes Verrazano-Narrows Bridge

1965-2009 Growth Rate = 2.5%



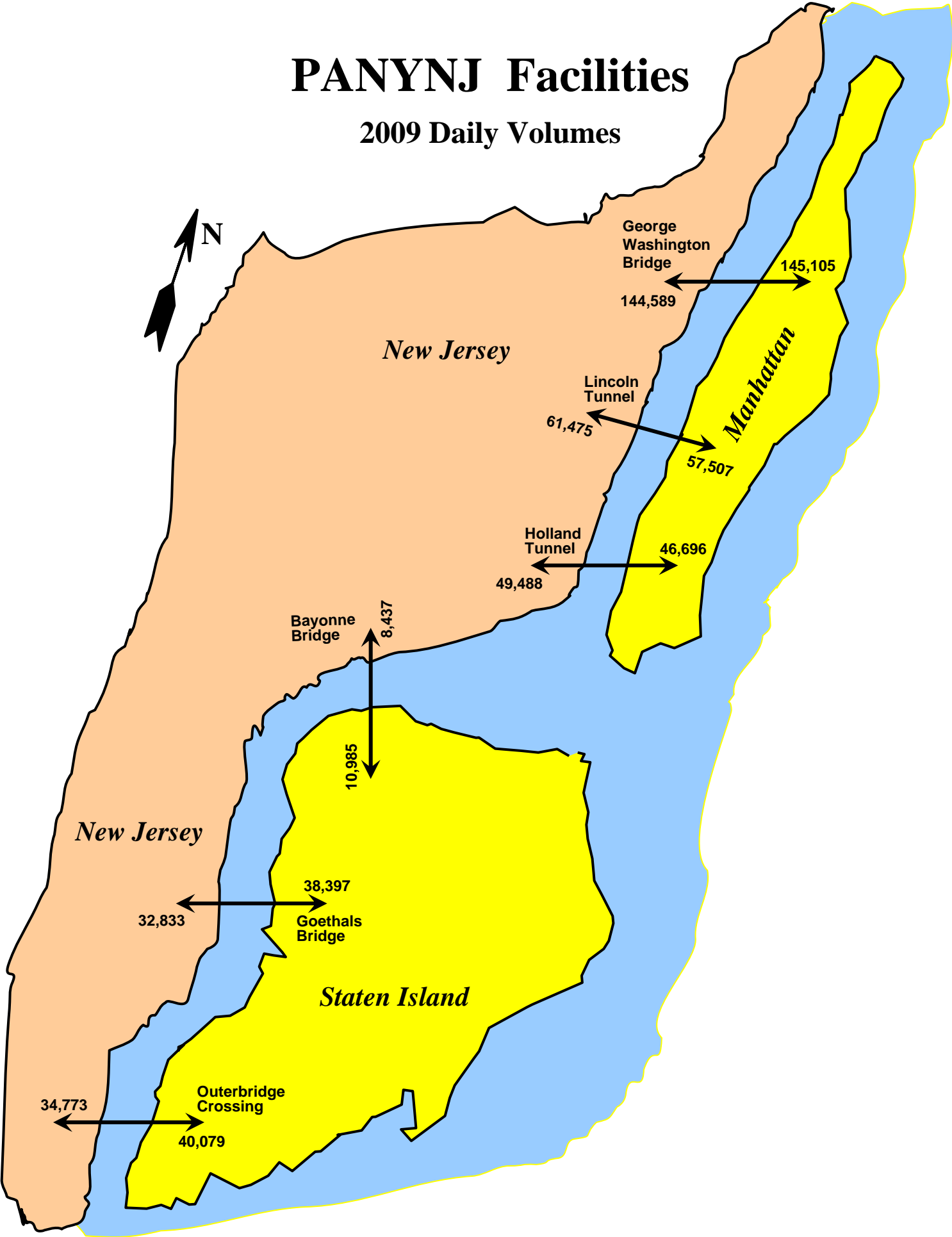
PANYNJ Facilities



Outerbridge Crossing

PANYNJ Facilities

2009 Daily Volumes



PANYNJ Manhattan - New Jersey Facilities
Average Daily Traffic Volumes
1948 - 2009

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

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 - 2009

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

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

2009

	George Washington Bridge		Holland Tunnel		Lincoln Tunnel		Totals	
	<i>E/B</i>	<i>W/B</i>	<i>E/B</i>	<i>W/B</i>	<i>E/B</i>	<i>W/B</i>	Entering Manhattan	Leaving Manhattan
12-1am	1,984	2,050	717	1,106	947	1,679	3,648	4,835
1-2am	1,267	1,851	455	778	540	912	2,262	3,541
2-3am	1,085	1,184	302	676	427	574	1,814	2,434
3-4am	1,255	981	335	789	478	492	2,068	2,262
4-5am	2,164	1,319	529	1,112	871	558	3,564	2,989
5-6am	6,043	2,319	1,873	1,393	2,691	841	10,607	4,553
6-7am	10,759 **	4,501	3,167 **	2,189	4,932 **	1,449	18,858 **	8,139
7-8am	9,855	6,806	2,986	2,808	4,621	2,108	17,462	11,722
8-9am	8,937	7,679	2,849	2,620	4,331	2,266	16,117	12,565
9-10am	8,863	6,736	2,860	2,225	4,007	1,991	15,730	10,952
10-11am	7,781	6,029	2,494	2,073	3,488	2,007	13,763	10,109
11-12am	7,056	6,359	2,112	1,997	3,031	2,277	12,199	10,633
12-1pm	6,673	6,399	1,989	2,115	2,690	2,495	11,352	11,009
1-2pm	6,722	6,692	1,987	2,496	2,675	2,818	11,384	12,006
2-3pm	7,157	7,806	2,098	2,835	2,720	3,386	11,975	14,027
3-4pm	7,869	9,665	2,456	2,968 **	2,810	3,816	13,135	16,449
4-5pm	8,403	10,207	2,740	2,356	2,360	4,699	13,503	17,262
5-6pm	8,683	9,865	2,886	1,986	1,904	4,781	13,473	16,632
6-7pm	8,388	10,249 **	2,878	2,137	2,268	4,968 **	13,534	17,354 **
7-8pm	7,032	9,824	2,565	2,517	2,426	3,052	12,023	15,393
8-9pm	5,480	8,397	1,923	2,877	2,043	3,175	9,446	14,449
9-10pm	4,672	6,630	1,639	2,651	1,945	4,690	8,256	13,971
10-11pm	3,995	5,975	1,638	2,525	1,802	3,948	7,435	12,448
11-12pm	2,982	5,066	1,218	2,259	1,500	2,493	5,700	9,818
Totals	145,105	144,589	46,696	49,488	57,507	61,475	249,308	255,552
7-10am	27,655	21,221	8,695	7,653	12,959	6,365	49,309	35,239
10am-1pm	21,510	18,787	6,595	6,185	9,209	6,779	37,314	31,751
1-4pm	21,748	24,163	6,541	8,299	8,205	10,020	36,494	42,482
4-7pm	25,474	30,321	8,504	6,479	6,532	14,448	40,510	51,248
7am-7pm	96,387	94,492	30,335	28,616	36,905	37,612	163,627	160,720

** 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 2009

	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	158	70	630	299	487	416	1,275	785
1-2am	95	48	391	206	304	255	790	509
2-3am	80	38	301	191	273	175	654	404
3-4am	77	40	297	202	302	182	676	424
4-5am	119	59	473	329	659	252	1,251	640
5-6am	221	247	1,127	894	1,729	528	3,077	1,669
6-7am	397	652	1,802	1,669	2,675	1,171	4,874	3,492
7-8am	509	1,163 **	1,847	2,450	2,629	2,334	4,985	5,947
8-9am	523	1,048	1,875	2,647 **	2,297	2,443	4,695	6,138 **
9-10am	456	510	1,895	2,117	2,219	1,964	4,570	4,591
10-11am	418	429	1,779	1,992	1,834	1,816	4,031	4,237
11-12am	417	401	1,778	1,759	1,767	1,698	3,962	3,858
12-1pm	436	324	1,834	1,734	1,825	1,633	4,095	3,691
1-2pm	498	350	2,053	1,749	1,950	1,643	4,501	3,742
2-3pm	617	398	2,219	1,885	2,115	2,056	4,951	4,339
3-4pm	779	446	2,486	2,251	2,313	2,774 **	5,578	5,471
4-5pm	936	442	2,654	2,255	2,567	2,460	6,157	5,157
5-6pm	1,203 **	423	2,877 **	2,485	2,870 **	2,536	6,950 **	5,444
6-7pm	1,100	357	2,714	1,736	2,505	2,281	6,319	4,374
7-8pm	671	294	2,244	1,083	1,999	1,984	4,914	3,361
8-9pm	418	226	1,757	1,033	1,599	1,459	3,774	2,718
9-10pm	324	227	1,425	755	1,335	1,165	3,084	2,147
10-11pm	302	164	1,114	613	1,066	897	2,482	1,674
11-12pm	231	81	825	499	760	651	1,816	1,231
Totals	10,985	8,437	38,397	32,833	40,079	34,773	89,461	76,043
7-10am	1,488	2,721	5,617	7,214	7,145	6,741	14,250	16,676
10am-1pm	1,271	1,154	5,391	5,485	5,426	5,147	12,088	11,786
1-4pm	1,894	1,194	6,758	5,885	6,378	6,473	15,030	13,552
4-7pm	3,239	1,222	8,245	6,476	7,942	7,277	19,426	14,975
7am-7pm	7,892	6,291	26,011	25,060	26,891	25,638	60,794	56,989

** 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.

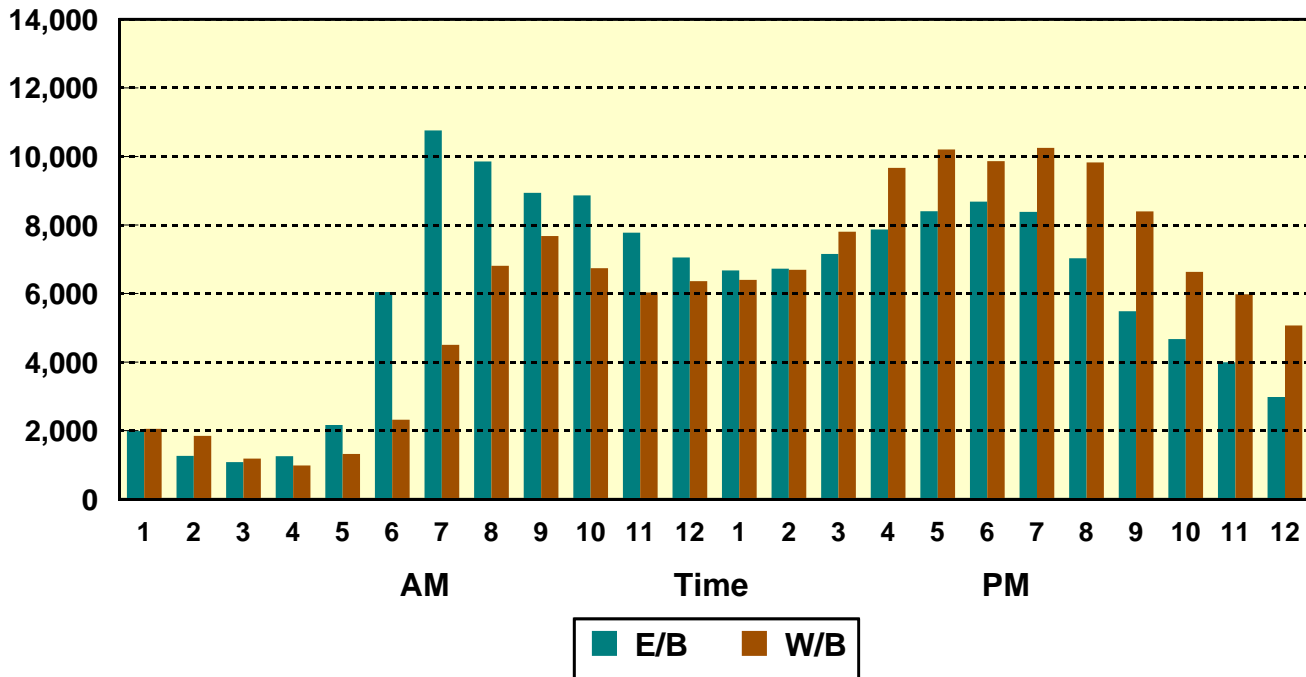
Hourly Vehicular Volumes George Washington Bridge - 2009

	<i>Eastbound to Manhattan</i>					<i>Westbound to New Jersey</i>					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	1,625	16	58	285	1,984	1,791	5	52	202	2,050	4,034
1-2am	881	10	62	314	1,267					1,851	3,118
2-3am	646	5	75	359	1,085					1,184	2,269
3-4am	695	9	91	460	1,255					981	2,236
4-5am	1,380	13	168	603	2,164					1,319	3,483
5-6am	4,937	37	326	743	6,043	1,683	5	149	482	2,319	8,362
6-7am	9,682	81	437	559	10,759 **	3,850	40	203	408	4,501	15,260
7-8am	9,029	101	355	370	9,855	5,959	85	328	434	6,806	16,661
8-9am	8,103	102	360	372	8,937	6,853	81	382	363	7,679	16,616
9-10am	7,971	94	374	424	8,863	5,727	69	343	597	6,736	15,599
10-11am	6,903	76	354	448	7,781	4,939	54	340	696	6,029	13,810
11-12am	6,239	69	326	422	7,056	5,169	25	353	812	6,359	13,415
12-1pm	5,917	74	298	384	6,673	5,152	38	407	802	6,399	13,072
1-2pm	6,022	71	290	339	6,722	5,386	42	538	726	6,692	13,414
2-3pm	6,486	81	268	322	7,157	6,680	23	460	643	7,806	14,963
3-4pm	7,245	114	234	276	7,869	8,756	38	383	488	9,665	17,534
4-5pm	7,845	123	202	233	8,403	9,272	43	221	671	10,207	18,610
5-6pm	8,235	100	151	197	8,683	9,188	37	214	426	9,865	18,548
6-7pm	7,967	92	119	210	8,388	9,717	23	88	421	10,249 **	18,637 **
7-8pm	6,612	86	100	234	7,032	9,290	28	114	392	9,824	16,856
8-9pm	5,075	68	79	258	5,480	7,764	29	173	431	8,397	13,877
9-10pm	4,275	49	79	269	4,672	6,175	44	35	376	6,630	11,302
10-11pm	3,612	35	58	290	3,995	5,464	10	70	431	5,975	9,970
11-12pm	2,632	25	45	280	2,982	4,596	17	54	399	5,066	8,048
Totals	130,014	1,531	4,909	8,651	145,105					144,589	289,694
7-10am	25,103	297	1,089	1,166	27,655	18,539	235	1,053	1,394	21,221	48,876
10am-1pm	19,059	219	978	1,254	21,510	15,260	117	1,100	2,310	18,787	40,297
1-4pm	19,753	266	792	937	21,748	20,822	103	1,381	1,857	24,163	45,911
4-7pm	24,047	315	472	640	25,474	28,177	103	523	1,518	30,321	55,795
7am-7pm	87,962	1,097	3,331	3,997	96,387	82,798	558	4,057	7,079	94,492	190,879

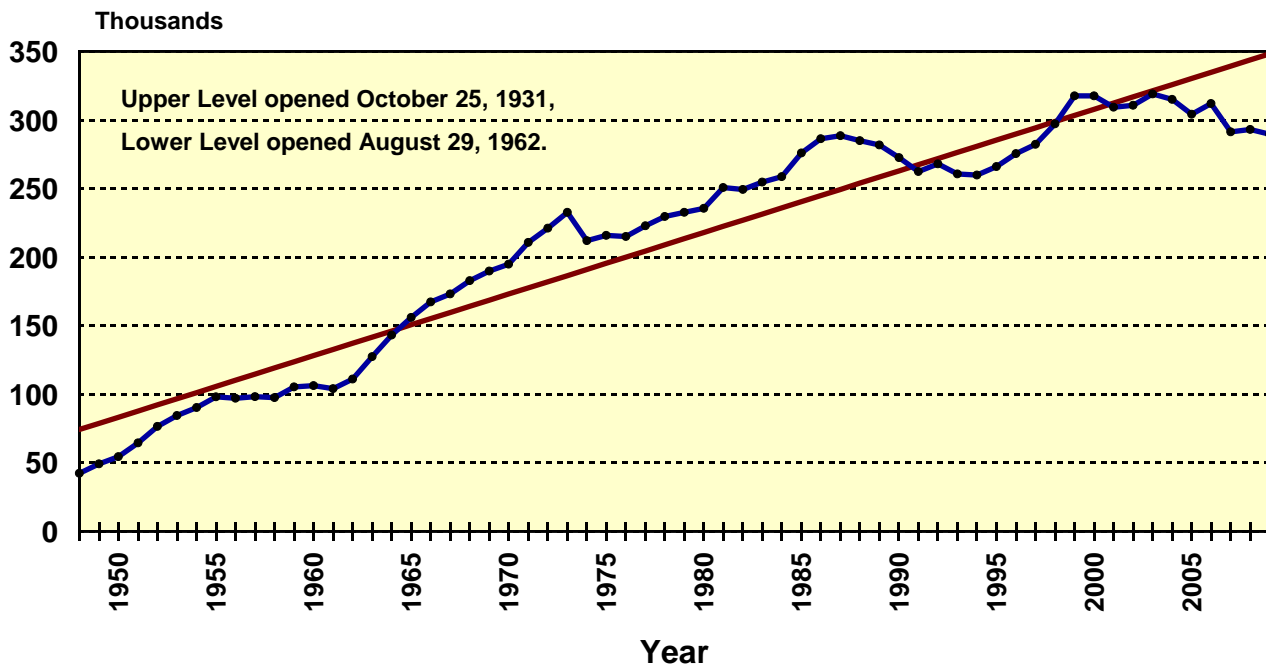
Classification based on October 2009 Data

** Peak Volumes

Hourly Vehicular Volumes George Washington Bridge - 2009



Average Daily Traffic Volumes George Washington Bridge 1948-2009 Growth Rate = 2.6%



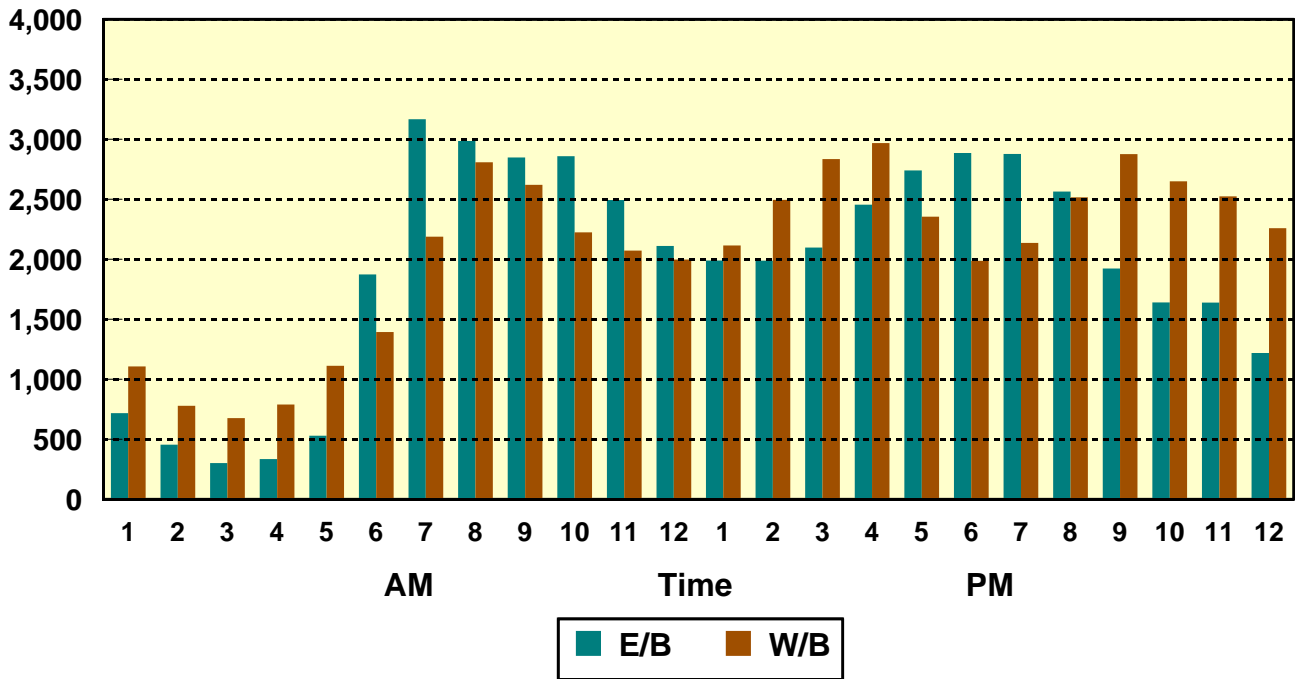
Hourly Vehicular Volumes Holland Tunnel - 2009

	Eastbound to Manhattan					FHWA Classes ▶	Westbound to New Jersey					2-Way Grand Totals	
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles		Commuter Vans Commercial Vans			Single Unit Trucks	Tractor Trailers		Total Vehicles
							Autos & Motorcycles	Pickups Large SUVs	Buses				
						1 & 2	3	4	5 - 7	8 - 13			
12-1am	697	11	9	0	717		1,096	4	0	6	0	1,106	1,823
1-2am	432	5	18	0	455		766	5	2	5	0	778	1,233
2-3am	276	4	22	0	302		653	10	1	12	0	676	978
3-4am	289	4	42	0	335		727	24	5	33	0	789	1,124
4-5am	489	6	34	0	529		996	36	12	67	1	1,112	1,641
5-6am	1,849	15	9	0	1,873		1,312	53	13	15	0	1,393	3,266
6-7am	3,103	57	7	0	3,167	**	2,049	93	36	11	0	2,189	5,356
7-8am	2,912	65	9	0	2,986		2,635	109	51	13	0	2,808	5,794
8-9am	2,779	61	9	0	2,849		2,488	75	48	9	0	2,620	5,469
9-10am	2,804	47	9	0	2,860		2,134	59	26	6	0	2,225	5,085
10-11am	2,449	30	15	0	2,494		1,993	43	29	8	0	2,073	4,567
11-12am	2,075	25	11	1	2,112		1,930	41	20	6	0	1,997	4,109
12-1pm	1,956	27	6	0	1,989		2,058	39	5	13	0	2,115	4,104
1-2pm	1,953	29	5	0	1,987		2,411	57	15	13	0	2,496	4,483
2-3pm	2,055	39	4	0	2,098		2,746	64	6	19	0	2,835	4,933
3-4pm	2,395	56	5	0	2,456		2,891	41	15	21	0	2,968	5,424
4-5pm	2,649	86	5	0	2,740		2,288	27	24	17	0	2,356	5,096
5-6pm	2,796	86	4	0	2,886		1,911	35	23	17	0	1,986	4,872
6-7pm	2,805	69	4	0	2,878		2,065	39	17	16	0	2,137	5,015
7-8pm	2,524	37	4	0	2,565		2,454	30	18	15	0	2,517	5,082
8-9pm	1,892	24	7	0	1,923		2,826	37	8	6	0	2,877	4,800
9-10pm	1,612	20	6	1	1,639		2,597	40	5	7	2	2,651	4,290
10-11pm	1,612	20	6	0	1,638		2,463	54	4	3	1	2,525	4,163
11-12pm	1,204	11	3	0	1,218		2,201	53	2	3	0	2,259	3,477
Totals	45,607	834	253	2	46,696		47,690	1,068	385	341	4	49,488	96,184
7-10am	8,495	173	27	0	8,695		7,257	243	125	28	0	7,653	16,348
10am-1pm	6,480	82	32	1	6,595		5,981	123	54	27	0	6,185	12,780
1-4pm	6,403	124	14	0	6,541		8,048	162	36	53	0	8,299	14,840
4-7pm	8,250	241	13	0	8,504		6,264	101	64	50	0	6,479	14,983
7am-7pm	29,628	620	86	1	30,335		27,550	629	279	158	0	28,616	58,951

Based on October 2009 Classification Survey Data (Eastbound) and April 2006 Classification Survey Data (Westbound).

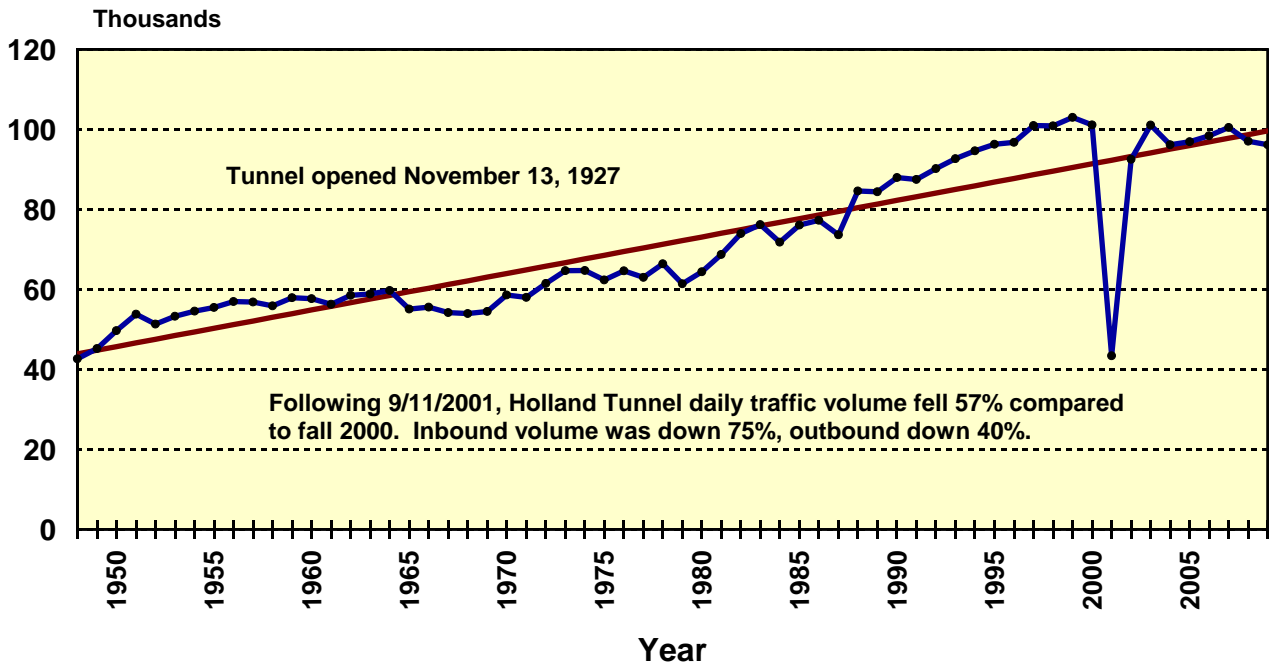
** Peak Volumes

Hourly Vehicular Volumes Holland Tunnel - 2009



Average Daily Traffic Volumes Holland Tunnel

1948-2009 Growth Rate = 1.4%



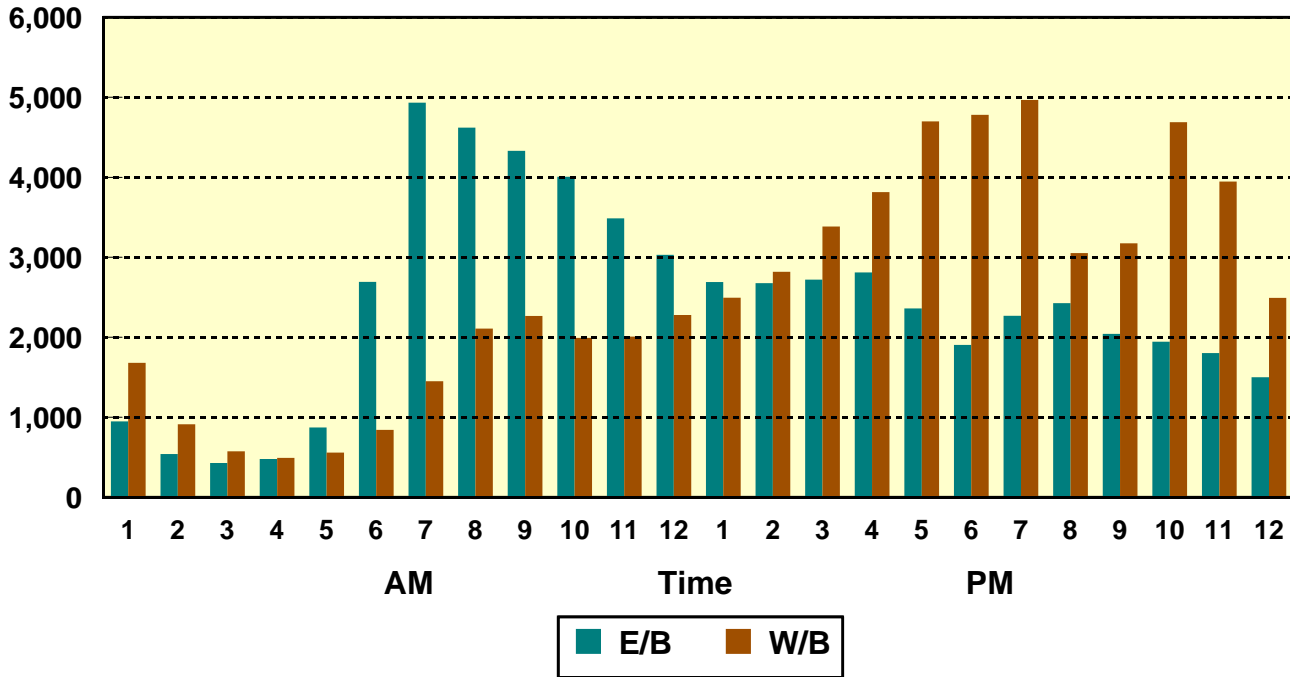
Hourly Vehicular Volumes Lincoln Tunnel - 2009

PANYNJ Classes ▶	<i>Eastbound to Manhattan</i>					<i>Westbound to New Jersey</i>					2-Way Grand Totals	
	Single Rear Wheels Autos, Vans, Pickups, Motorcycles, Rec. Vehs.	All Buses & Minibuses	2 Axles Dual Rear Wheels	3 & 4 Axles Single Units & Trailers	5 or more Axles	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks		Total Vehicles
	1, 7, & 11	8 & 9	2	3 & 4	5 & 6							
12-1am	808	58	23	43	15	947	1,505	80	64	30	1,679	2,626
1-2am	444	26	19	36	15	540					912	1,452
2-3am	337	9	21	43	17	427					574	1,001
3-4am	334	13	57	52	22	478					492	970
4-5am	591	23	129	87	41	871					558	1,429
5-6am	2,044	133	313	128	73	2,691	655	40	72	74	841	3,532
6-7am	4,002	405	359	118	48	4,932	1,051	243	105	50	1,449	6,381
7-8am	3,453	771	327	51	19	4,621	1,417	557	93	41	2,108	6,729
8-9am	3,118	862	299	41	11	4,331	1,364	753	114	35	2,266	6,597
9-10am	3,102	538	294	54	19	4,007	1,269	533	148	41	1,991	5,998
10-11am	2,938	259	223	51	17	3,488	1,470	288	220	29	2,007	5,495
11-12am	2,603	191	166	53	18	3,031	1,933	148	134	62	2,277	5,308
12-1pm	2,288	176	157	51	18	2,690	2,056	171	225	43	2,495	5,185
1-2pm	2,252	209	167	35	12	2,675	2,321	174	276	47	2,818	5,493
2-3pm	2,289	249	147	23	12	2,720	2,915	162	283	26	3,386	6,106
3-4pm	2,314	362	106	22	6	2,810	3,350	210	220	36	3,816	6,626
4-5pm	1,784	475	79	18	4	2,360	3,987	445	240	27	4,699	7,059
5-6pm	1,470	372	47	13	2	1,904	3,924	642	189	26	4,781	6,685
6-7pm	1,812	387	50	14	5	2,268	4,148	660	100	60	4,968	7,236 **
7-8pm	2,053	303	44	23	3	2,426	2,536	407	72	37	3,052	5,478
8-9pm	1,763	205	29	39	7	2,043	2,800	264	90	21	3,175	5,218
9-10pm	1,710	149	33	46	7	1,945	4,346	214	90	40	4,690	6,635
10-11pm	1,596	120	30	49	7	1,802	3,669	168	80	31	3,948	5,750
11-12pm	1,325	90	36	34	15	1,500	2,283	130	47	33	2,493	3,993
Totals	46,430	6,385	3,155	1,124	413	57,507					61,475	118,982
7-10am	9,673	2,171	920	146	49	12,959	4,050	1,843	355	117	6,365	19,324
10am-1pm	7,829	626	546	155	53	9,209	5,459	607	579	134	6,779	15,988
1-4pm	6,855	820	420	80	30	8,205	8,586	546	779	109	10,020	18,225
4-7pm	5,066	1,234	176	45	11	6,532	12,059	1,747	529	113	14,448	20,980
7am-7pm	29,423	4,851	2,062	426	143	36,905	30,154	4,743	2,242	473	37,612	74,517

Based on April 2006 Classification Survey Data (eastbound), and October 2009 classification data (westbound).

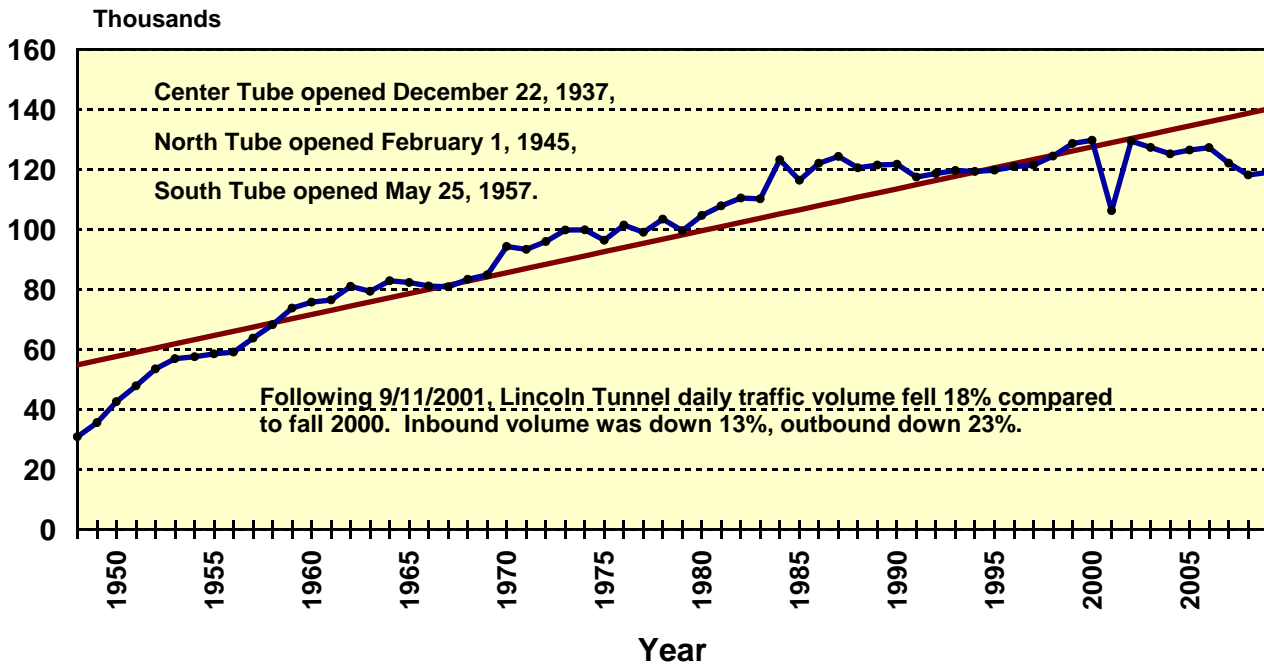
** Peak Volumes

Hourly Vehicular Volumes Lincoln Tunnel - 2009



Average Daily Traffic Volumes Lincoln Tunnel

1948-2009 Growth Rate = 1.5%



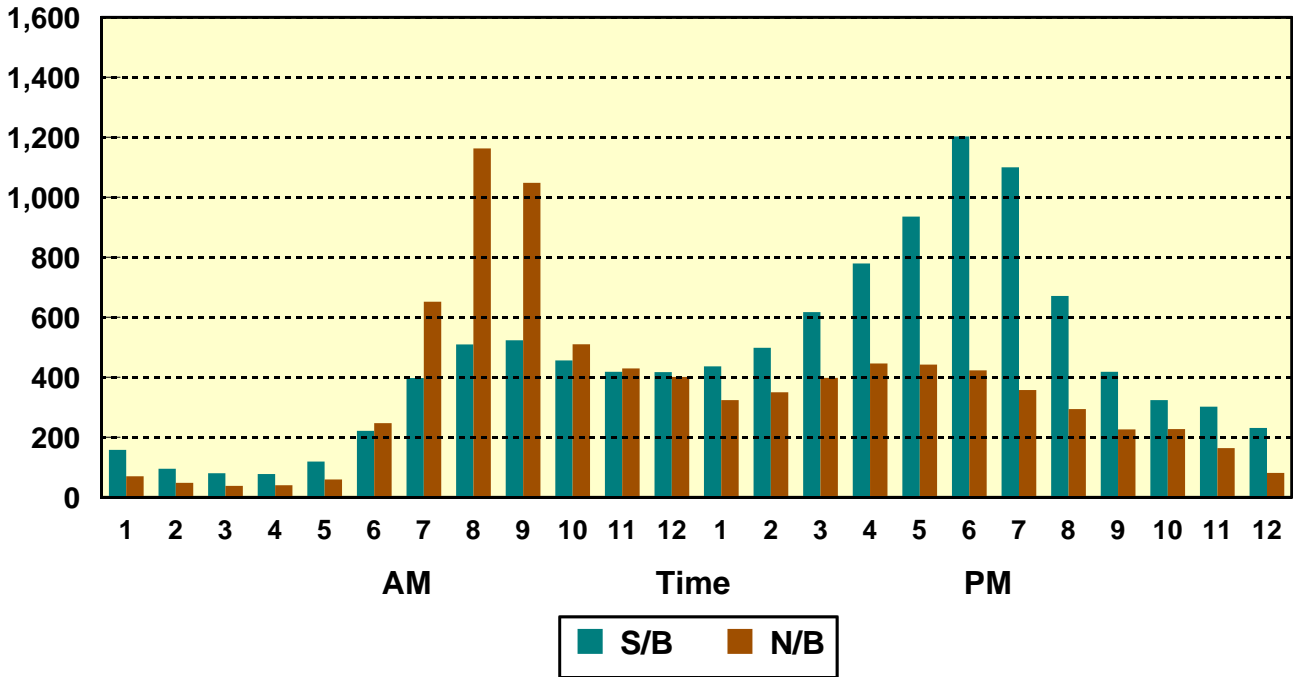
Hourly Vehicular Volumes Bayonne Bridge - 2009

	<i>Southbound to Staten Island</i>					<i>Northbound to New Jersey</i>					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	141	2	8	7	158	53	0	12	5	70	228
1-2am	80	3	7	5	95					48	143
2-3am	63	2	9	6	80					38	118
3-4am	60	1	8	8	77					40	117
4-5am	83	1	16	19	119					59	178
5-6am	163	1	20	37	221	224	1	11	11	247	468
6-7am	307	6	34	50	397	625	4	7	16	652	1,049
7-8am	407	14	37	51	509	1,103	7	16	37	1,163	1,672 **
8-9am	422	8	41	52	523	976	4	37	31	1,048	1,571
9-10am	344	14	46	52	456	441	1	31	37	510	966
10-11am	318	7	40	53	418	344	0	31	54	429	847
11-12am	318	3	43	53	417	328	1	37	35	401	818
12-1pm	349	2	38	47	436	258	3	27	36	324	760
1-2pm	415	2	39	42	498	277	2	28	43	350	848
2-3pm	535	3	39	40	617	317	0	32	49	398	1,015
3-4pm	717	4	34	24	779	363	3	47	33	446	1,225
4-5pm	887	8	25	16	936	380	4	31	27	442	1,378
5-6pm	1,156	9	25	13	1,203 **	389	6	17	11	423	1,626
6-7pm	1,059	9	19	13	1,100	337	5	9	6	357	1,457
7-8pm	645	6	9	11	671	280	0	4	10	294	965
8-9pm	395	4	11	8	418	213	0	4	9	226	644
9-10pm	303	3	9	9	324	216	0	0	11	227	551
10-11pm	282	3	8	9	302	156	1	1	6	164	466
11-12pm	216	3	5	7	231	71	1	3	6	81	312
Totals	9,665	118	570	632	10,985					8,437	19,422
7-10am	1,173	36	124	155	1,488	2,520	12	84	105	2,721	4,209
10am-1pm	985	12	121	153	1,271	930	4	95	125	1,154	2,425
1-4pm	1,667	9	112	106	1,894	957	5	107	125	1,194	3,088
4-7pm	3,102	26	69	42	3,239	1,106	15	57	44	1,222	4,461
7am-7pm	6,927	83	426	456	7,892	5,513	36	343	399	6,291	14,183

Classification based on October 2009 survey data.

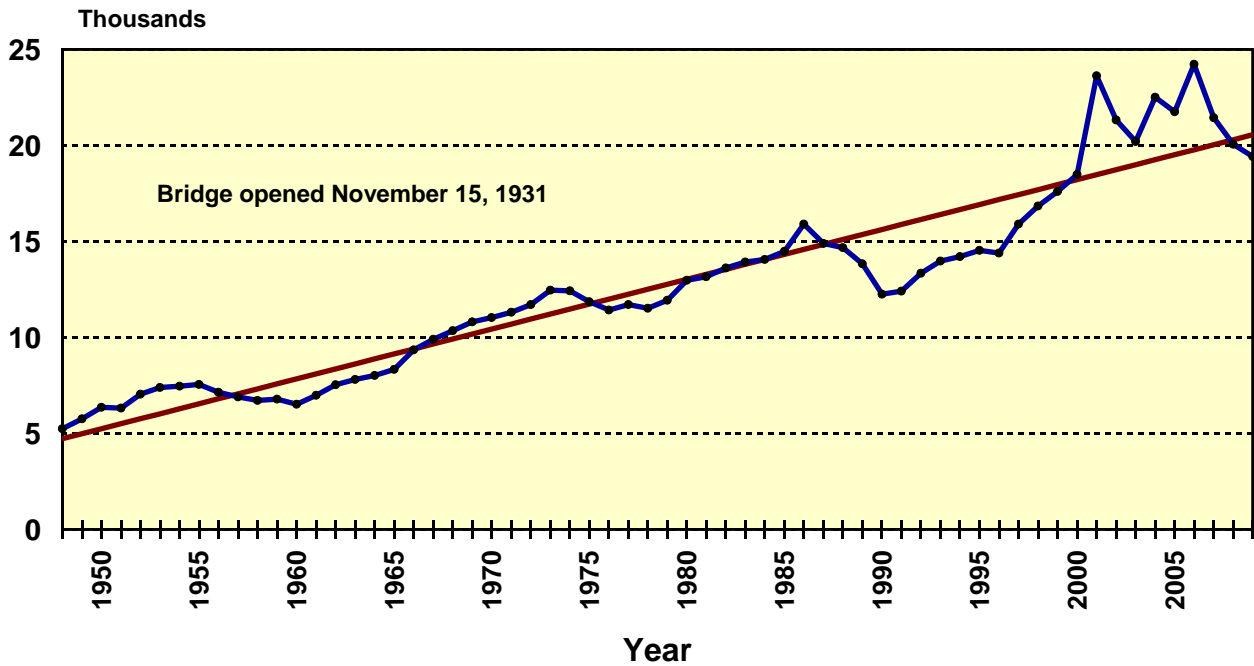
** Peak Volumes

Hourly Vehicular Volumes Bayonne Bridge - 2009



Average Daily Traffic Volumes Bayonne Bridge

1948-2009 Growth Rate = 2.4%



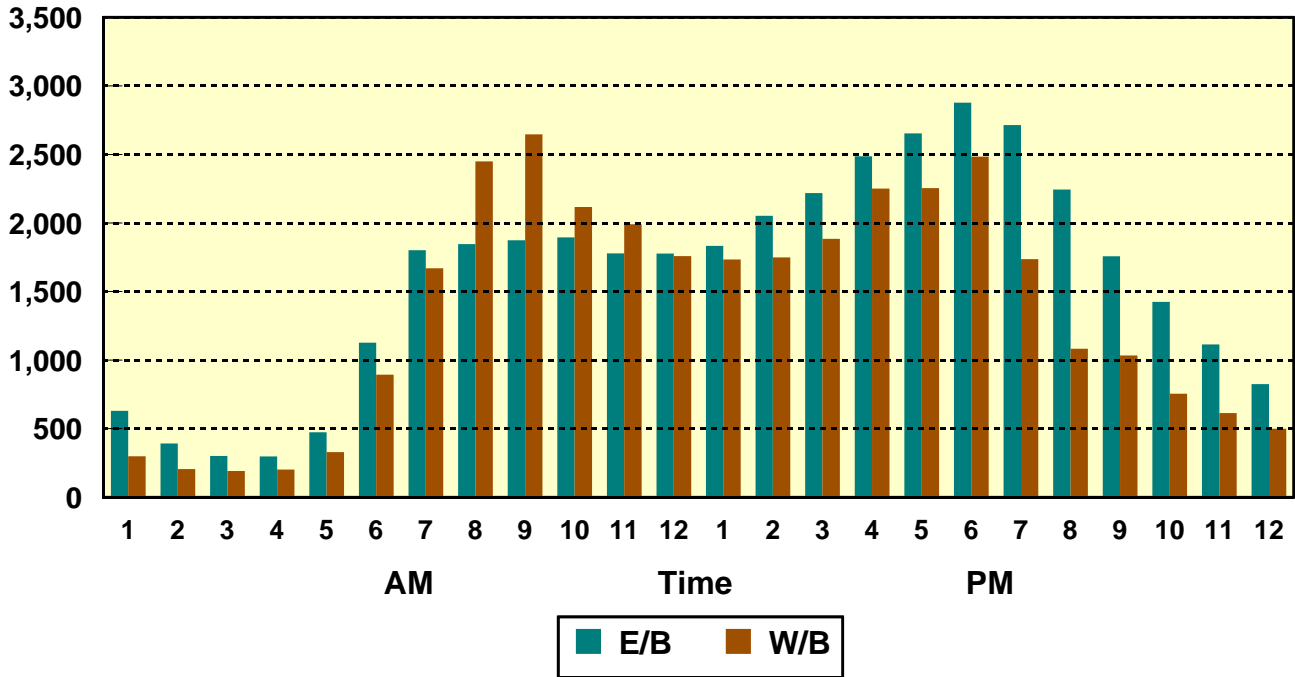
Hourly Vehicular Volumes Goethals Bridge - 2009

	<i>Eastbound to Staten Island</i>					<i>Westbound to New Jersey</i>					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	574	3	11	42	630					299	929
1-2am	326	5	11	49	391					206	597
2-3am	224	3	15	59	301					191	492
3-4am	188	2	26	81	297					202	499
4-5am	292	3	49	129	473					329	802
5-6am	820	6	98	203	1,127	783	15	39	57	894	2,021
6-7am	1,422	14	141	225	1,802	1,501	27	62	79	1,669	3,471
7-8am	1,464	26	148	209	1,847	2,200	59	49	142	2,450	4,297
8-9am	1,520	32	142	181	1,875	2,317	35	126	169	2,647	4,522
9-10am	1,499	44	147	205	1,895	1,785	17	165	150	2,117	4,012
10-11am	1,408	26	142	203	1,779	1,582	8	146	256	1,992	3,771
11-12am	1,424	15	142	197	1,778	1,406	5	158	190	1,759	3,537
12-1pm	1,508	11	128	187	1,834	1,387	5	120	222	1,734	3,568
1-2pm	1,747	9	128	169	2,053	1,363	10	135	241	1,749	3,802
2-3pm	1,937	12	122	148	2,219	1,524	14	161	186	1,885	4,104
3-4pm	2,249	18	116	103	2,486	1,855	6	216	174	2,251	4,737
4-5pm	2,490	26	84	54	2,654	1,918	5	155	177	2,255	4,909
5-6pm	2,725	42	59	51	2,877	2,260	5	104	116	2,485	5,362
6-7pm	2,571	48	52	43	2,714	1,620	2	19	95	1,736	4,450
7-8pm	2,122	34	41	47	2,244	1,006	0	15	62	1,083	3,327
8-9pm	1,661	16	31	49	1,757	961	2	26	44	1,033	2,790
9-10pm	1,350	4	25	46	1,425	721	1	13	20	755	2,180
10-11pm	1,054	4	18	38	1,114	564	2	15	32	613	1,727
11-12pm	773	5	11	36	825	458	2	9	30	499	1,324
Totals	33,348	408	1,887	2,754	38,397					32,833	71,230
7-10am	4,483	102	437	595	5,617	6,302	111	340	461	7,214	12,831
10am-1pm	4,340	52	412	587	5,391	4,375	18	424	668	5,485	10,876
1-4pm	5,933	39	366	420	6,758	4,742	30	512	601	5,885	12,643
4-7pm	7,786	116	195	148	8,245	5,798	12	278	388	6,476	14,721
7am-7pm	22,542	309	1,410	1,750	26,011	21,217	171	1,554	2,118	25,060	51,071

Classification based on October 2009 survey data.

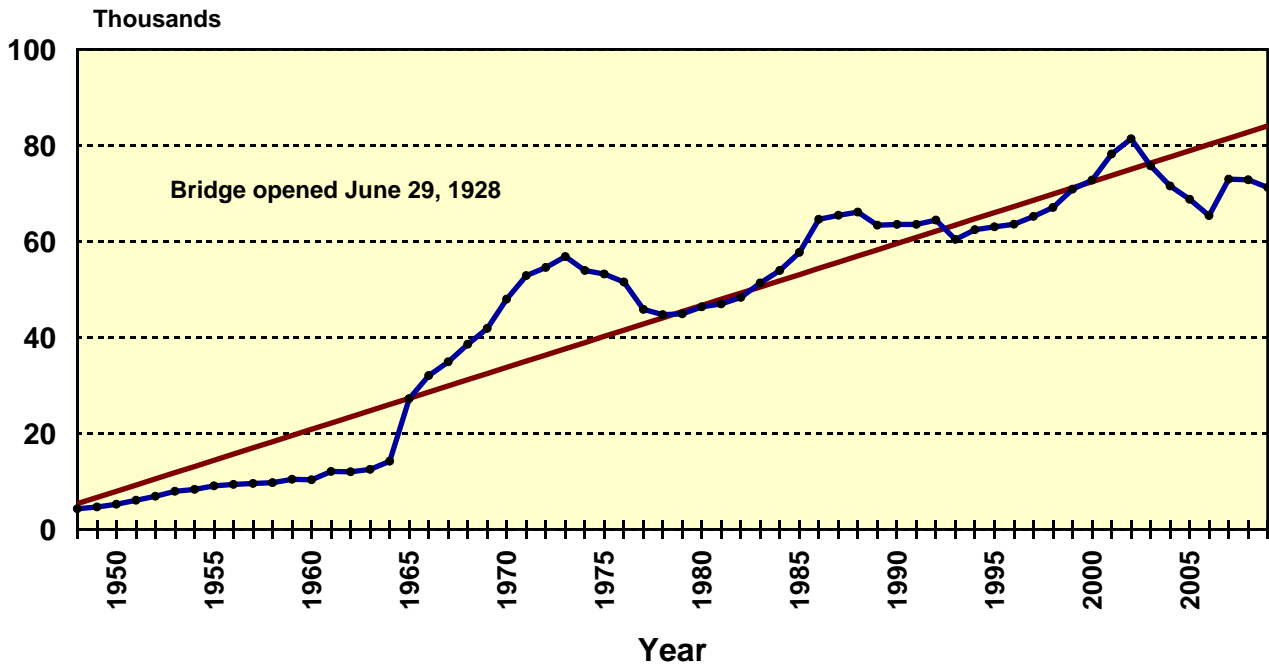
** Peak Volumes

Hourly Vehicular Volumes Goethals Bridge - 2009



Average Daily Traffic Volumes Goethals Bridge

1948-2009 Growth Rate = 4.6%



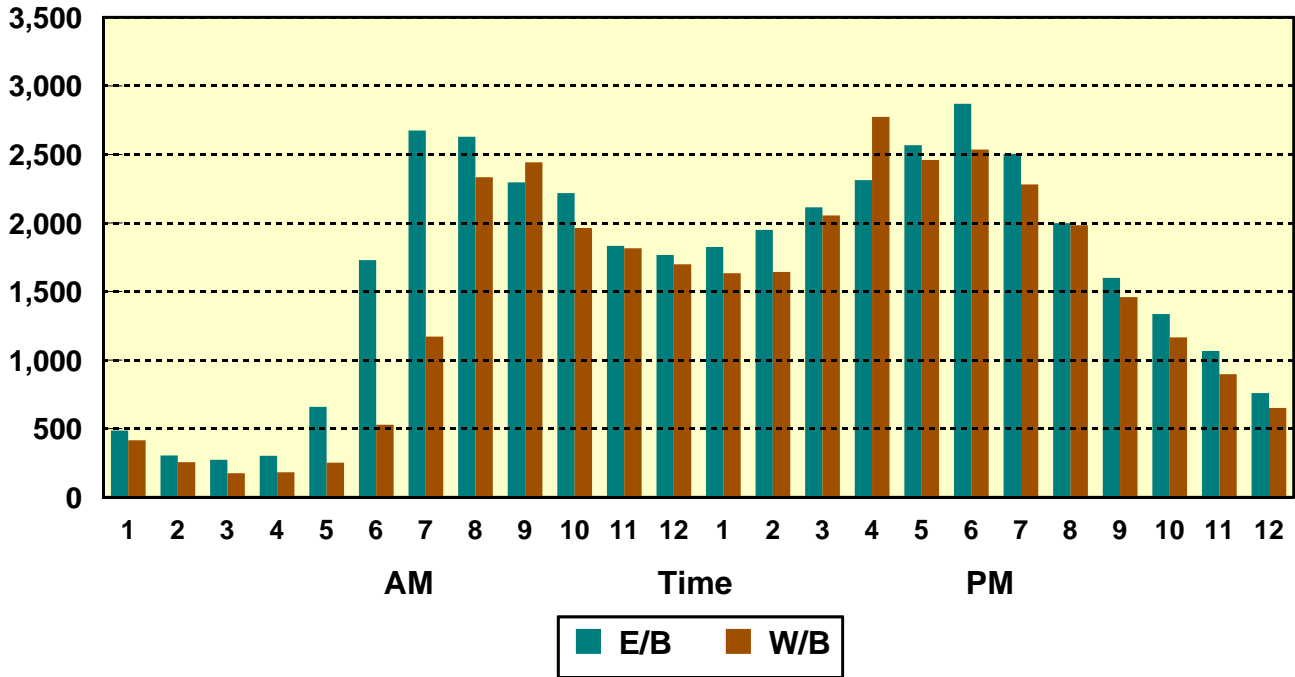
Hourly Vehicular Volumes Outerbridge Crossing - 2009

	<i>Eastbound to Staten Island</i>					<i>Westbound to New Jersey</i>					2-Way Grand Totals
	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	Autos	Buses	Small Trucks	Large Trucks	Total Vehicles	
12-1am	416	4	14	53	487	379	0	16	21	416	903
1-2am	225	2	14	63	304					255	559
2-3am	186	1	16	70	273					175	448
3-4am	185	1	26	90	302					182	484
4-5am	462	2	51	144	659					252	911
5-6am	1,484	8	94	143	1,729	460	2	24	42	528	2,257
6-7am	2,464	6	102	103	2,675	1,086	2	38	45	1,171	3,846
7-8am	2,455	4	92	78	2,629	2,156	5	86	87	2,334	4,963
8-9am	2,117	5	99	76	2,297	2,319	3	59	62	2,443	4,740
9-10am	2,007	4	97	111	2,219	1,781	20	74	89	1,964	4,183
10-11am	1,644	4	81	105	1,834	1,650	12	95	59	1,816	3,650
11-12am	1,593	4	76	94	1,767	1,517	2	64	115	1,698	3,465
12-1pm	1,656	6	76	87	1,825	1,458	1	108	66	1,633	3,458
1-2pm	1,798	6	69	77	1,950	1,479	2	86	76	1,643	3,593
2-3pm	1,968	5	77	65	2,115	1,896	3	50	107	2,056	4,171
3-4pm	2,188	4	76	45	2,313	2,673	1	48	52	2,774 **	5,087
4-5pm	2,467	6	63	31	2,567	2,391	0	28	41	2,460	5,027
5-6pm	2,782	9	47	32	2,870 **	2,465	0	34	37	2,536	5,406 **
6-7pm	2,427	13	35	30	2,505	2,220	1	36	24	2,281	4,786
7-8pm	1,920	18	25	36	1,999	1,939	2	19	24	1,984	3,983
8-9pm	1,522	12	24	41	1,599	1,408	4	16	31	1,459	3,058
9-10pm	1,273	4	17	41	1,335	1,100	8	16	41	1,165	2,500
10-11pm	1,009	3	12	42	1,066	857	0	16	24	897	1,963
11-12pm	696	3	15	46	760	611	1	14	25	651	1,411
Totals	36,944	134	1,298	1,703	40,079					34,773	74,852
7-10am	6,579	13	288	265	7,145	6,256	28	219	238	6,741	13,886
10am-1pm	4,893	14	233	286	5,426	4,625	15	267	240	5,147	10,573
1-4pm	5,954	15	222	187	6,378	6,048	6	184	235	6,473	12,851
4-7pm	7,676	28	145	93	7,942	7,076	1	98	102	7,277	15,219
7am-7pm	25,102	70	888	831	26,891	24,005	50	768	815	25,638	52,529

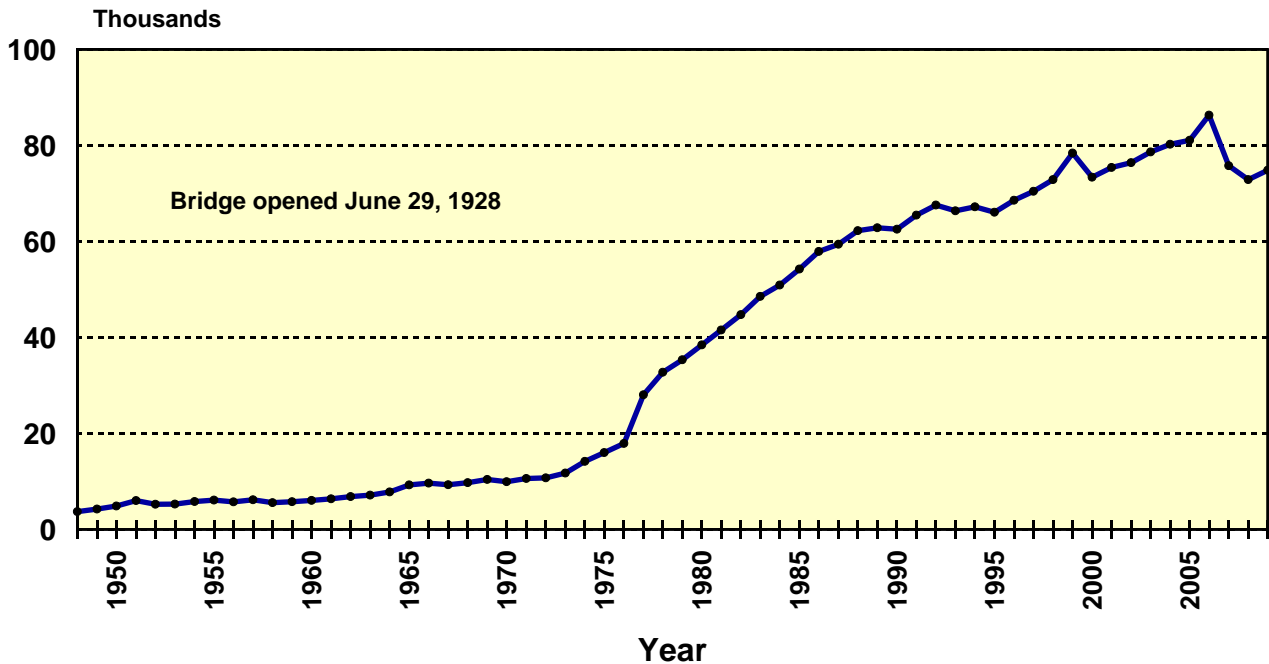
Classification based on October 2009 survey data.

** Peak Volumes

Hourly Vehicular Volumes Outerbridge Crossing - 2009



Average Daily Traffic Volumes Outerbridge Crossing 1948-2009 Growth Rate N/A



APPENDIX

2009 Bridge and Tunnel Reconstruction

APPENDIX

Major Bridge Reconstruction In 2009

Brooklyn Bridge

Eastbound lane closures were in effect as follows:

All 2009:	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.

The Park Row entrance to the bridge was closed from 11:00pm to 5:00am Tuesday night June 2 and Thursday night June 4.

Manhattan Bridge

Manhattan Bridge Operation: All 2009.

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.
 - Overnight and weekend lane closures as needed on the Manhattan-bound north upper roadway.
 - **As of July 26**, the right turn lane from the North Upper Roadway onto eastbound Canal Street was closed 9:00pm to 5:00am Sunday nights to Friday mornings (9:00pm to 2:00pm as of September 27), and was also closed as needed from 9:00pm Friday to 5:00am Monday. Passenger cars were still permitted to turn right from the center lane onto eastbound Canal Street. Trucks and buses were prohibited from turning right onto eastbound Canal Street, and were advised to follow the posted detour via Chrystie Street, Grand Street, and Allen Street for access to eastbound Canal Street.

- **South Upper Roadway.**
 - Brooklyn-bound all hours for all vehicle types.
 - Off-peak lane closures as needed on the south upper roadway.
 - On Sunday, October 4, from 6:00am to noon, this roadway was completely closed. During this time there were three lanes Brooklyn-bound on the Lower Roadway, and two lanes Manhattan-bound on the North Upper Roadway.

Queensboro Bridge

Throughout 2009, **trucks** were permitted only on the two Lower Inner Roadways.

Throughout 2009, 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 2009, the North Outer Roadway was reserved for **bicyclists and pedestrians**.

The North Upper Roadway was closed intermittently as follows:

01/01 – 03/06: 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 2009: 10:00pm – 5:00am All Days.
Shuttle bus provided for pedestrians and bicyclists during closures.

The South Upper Roadway was closed intermittently as follows:

01/01 – 06/19: 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:

01/01 – 06/19: 1:00am – 6:00am Mon–Fri,
1:00am – 7:00am Sat.

The South Outer Roadway was closed completely as follows:

06/06 – 06/19: 1:00am – 9:00am Sat,
1:00am – Noon Sun.

The entrance to the North Upper Roadway from 21st.Street in Queens was closed from 10:00pm Fridays until 10:00pm Sundays during all weekends in March 2009. During these times, access to the North Upper Roadway was from Queens Plaza South at 11th Street.

Queensboro Bridge Operation: All 2009.

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 2009, there were additional intermittent closings of single lanes on individual roadways of the Queensboro Bridge during off-peak hours.

Williamsburg Bridge

Throughout 2009, **trucks** were permitted only on the outer roadways.

Pedestrian and bicycle access was maintained on the bridge at all times throughout 2009.

Williamsburg Bridge Operation: All 2009, 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: June 6 – 7, 2009

- **Sat. 5:00am – 6:00pm.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 2 lanes.
- **Sat 3:00pm – Sun 8:00pm.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 3 lanes.

Weekend Williamsburg Bridge Operation: Aug. 29 – 30, Sep. 12 – 13, Sep. 26 - 27

- **Sat & Sun 5:00am – 3:00pm.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 2 lanes.
*One lane closed on North Inner & North Outer Roadways;
South Inner Roadway reversed to Manhattan-bound.*
- **3:00am – 8:00pm.**
Manhattan-bound: 2 lanes.
Brooklyn-bound: 4 lanes.
One lane closed on North Inner & North Outer Roadways;
- **All other hours.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 4 lanes.

Saturday Williamsburg Bridge Operation: Saturday, Nov. 21

- **5:00am – 3:00pm.**
Manhattan-bound: 4 lanes.
Brooklyn-bound: 2 lanes.
*One lane closed on North Inner & North Outer Roadways;
South Inner Roadway reversed to Manhattan-bound.*
- **3:00am – 8:00pm.**
Manhattan-bound: 2 lanes.
Brooklyn-bound: 4 lanes.
One lane closed on North Inner & North Outer Roadways;

All other hours.

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

Macombs Dam Bridge

The bridge was completely closed as follows to facilitate NYCDOT bridge maintenance and inspection work.

02/07:	12:01am – 5:00am	Saturday.	<i>Entire bridge closed.</i>
08/28:	12:01am – 5:00am	Friday.	<i>Entire bridge closed.</i>
09/18–09/24:	12:01am – 5:00am 12:01am – 6:00am	Weeknights; Sat. & Sun.	<i>Entire bridge closed.</i>

Madison Avenue Bridge

The bridge was closed westbound (to Manhattan) as follows to facilitate NYCDOT milling and resurfacing.

10/01–10/06: 11:00pm – 5:00am Weeknights.
No closures during Yankee home night games.

Willis Avenue Bridge

Throughout 2009, 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.

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

All 2009: 12:01am – 6:00am Weeknights;
1:00am – 7:00am Sat.

On October 20, from 1:00am to 5:00am, the exit from the bridge to the northbound Major Deegan Expressway was closed.

Throughout 2009, the pedestrian access at First Avenue and East 125th Street was closed, and a temporary access stairway was available at First Avenue and East 127th Street. The temporary staircase was not accessible to disabled persons unable to climb or descend stairs; they were encouraged to use Third Avenue Bridge as alternate.

145th Street Bridge

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

01/01–08/07: 10:00pm – 6:00am Weeknights.
No closures on this bridge during closures on the Macombs Dam Bridge, or within 2 hours of Yankee home games.

08/08–12/31: 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 2009, 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

From August 10 to August 14, there were intermittent closures of one of three lanes (one direction at a time) on weeknights between 11:00pm and 5:00am.

Hamilton Avenue Bridge

From January 1 to March 27, 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 January 13 to January 24, one half the bridge was closed as needed nightly from 9:00pm to 5:00am, with two-way traffic maintained on the open half

From May 9 to May 29, between Columbia Street and 14th Street, one lane was open in each direction 9:00pm to 5:00am Sunday nights to Friday mornings.

From November 28 to December 9, one lane was open in each direction 9:00pm to 5:00am weeknights as needed, and 12:01am to 7:00am as needed Saturday and Sunday.

Throughout 2009, there were intermittent closures of single lanes as needed during off-peak hours.

Mill Basin Bridge

From June 13 to June 20, two of three eastbound lanes were closed as needed 12:01am to 5:00am Tuesday to Saturday.

From July 18 to November 6, one of three lanes was closed in each direction 11:00pm to 1:00am, and two of three lanes closed in each direction 1:00am to 5:00am Sunday nights to Friday mornings.

From November 7 to November 13, one of three westbound lanes was closed 11:00pm to 1:00am, and two of three westbound lanes closed 1:00am to 5:00am Sunday nights to Friday mornings.

From November 14 to December 31, one of three lanes was closed in one direction at a time 11:00pm to 1:00am, and two of three lanes closed in one direction at a time 1:00am to 5:00am Sunday nights to Friday mornings.

Borden Avenue Bridge

This bridge was closed for repairs on December 31, 2008 and remained closed throughout 2009.

Hook Creek Bridge

From January 26 to February 13, there were periodic closures of one of three lanes in each direction on Rockaway Boulevard approaching the bridge southbound (to Nassau County) 10:00am – 3:00pm weekdays.

Roosevelt Avenue Bridge

From February 14 to December 31, the bridge was closed eastbound as needed 9:00pm to 5:00am nightly. There were no closures during New York Mets home games.

Roosevelt Island Bridge

This bridge was closed overnight 12:30am to 5:30am on April 15, 16, 17, 21, and 22, 2009, and July 7 through July 10, 2009.

Whitestone Expressway Bridge

Throughout 2009, intermittent lane closures were in effect on the Whitestone Expressway and the bridge during off-peak hours.

Brooklyn-Battery Tunnel

Throughout 2009, the inbound **exit to Trinity Place** was closed weekdays between 6:00-10:00am, and between 3:00–7:00pm.

Throughout 2009, between 6:00am and 10:00am on weekdays, there were three lanes inbound and one lane outbound.

Throughout 2009, 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.

Throughout 2009, one tube was closed intermittently as needed Sunday to Thursday nights from 10:00pm to 5:30am the following morning, with two-way traffic maintained in the other tube.

Throughout 2009, there were additional intermittent closures of single lanes in both directions during off-peak hours.

Henry Hudson Bridge

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

All 2009: 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.

01/01–05/15: Round-the-clock All Days 1 Bronx-bound lane closed.
05/16–12/31: Off Peak Hours Weekdays 1 Bronx-bound lane closed as needed.

Queens-Midtown Tunnel

Throughout 2009, there were intermittent closures of single lanes in both directions during off-peak hours.

One tube was closed as follows.

11/08-11/16: 1:00am Sunday – 5:30am Monday. One tube closed.
2-way traffic maintained in the other tube, with truck traffic restricted from the tunnel.

Robert F. Kennedy Bridge (formerly Triborough Bridge)

From January 1 to January 23, 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.

From January 24 to August 21, the following closures were in effect.

At the Harlem lift span, one lane closed as needed to Queens 6:00am to 2:30pm.

At the suspension bridge and viaduct, one of four lanes closed as needed to Queens 10:00am to 3:00pm weekdays (two of four lanes closed as needed 9:00pm to 5:00am Sunday to Thursday nights, and 10:00pm to 8:00am Friday and Saturday nights). Three of four lanes closed as needed 12:01am to 4:00am Sunday through Thursday, and 12:01am to 5:00am Friday and Saturday. One of four lanes to Bronx and Manhattan closed as needed 10:00am to 3:00pm weekdays, and two of four lanes closed as needed 9:00pm to 5:00am Tuesday to Friday.

NOTE: Lane closures restricted during Throgs Neck Bridge emergency repairs during summer 2009.

From August 4 to August 17, the following additional closures were in effect.

To accommodate NYCDOT roadwork on the FDR Drive southbound from East 125th Street to East 96th Street, the RFK (formerly Triborough) Bridge off-ramp from the Harlem span onto the FDR Drive southbound was closed Tuesday to Friday 12:01am to 5:00am, and Saturday and Sunday 1:00am to 9:00am. Motorists could use 2nd Avenue or Lexington Avenue as an alternate route southbound.

NOTE: The RFK Bridge and 3rd Avenue Bridge ramps were not closed simultaneously.

From August 22 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 daily, and two lanes closed as needed 10:00pm to 5:00am Monday to Friday. One lane closed as needed to Bronx/Queens 6:00am to 2:30pm daily, and two lanes closed as needed 10:00pm to 5:00am.

At the suspension bridge and viaduct, two of four lanes closed as needed to Queens 9:00pm to midnight Monday to Friday. Three of four lanes to Queens closed as needed 12:01am to 6:00am Tuesday, and 12:01am to 5:00am Friday and Saturday. One of four lanes to Bronx and Manhattan closed as needed 10:00am to 3:00pm weekdays, and two

of four lanes closed as needed 9:00pm to midnight Monday to Friday, and three of four lanes 12:01am to 6:00am.

Bronx-Whitestone Bridge

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

01/01–08/07:	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.

NOTE: Lane closures restricted during Throgs Neck Bridge emergency repairs during summer 2009.

10/31–12/11:	9:30am – 2:30pm	Mon-Thu	1 N/B lane closed as needed;
	9:30am – 2:00pm	Fri	1 N/B lane closed as needed;
	6:00am – 10:00am	Sat-Sun	1 N/B lane closed as needed.
	11:00pm – 5:00am	Sun-Thu	2 N/B lanes closed as needed.
	12:01am – 6:00am	Sat-Sun	2 N/B lanes closed as needed.

12/12–12/31:	9:30am – 2:30pm	Mon-Thu	1 N/B lane closed as needed;
	9:30am – 2:00pm	Fri	1 N/B lane closed as needed;
	11:00pm – 5:00am	Mon-Fri	1 N/B lane closed as needed,
	12:01am – noon	Sat-Sun	1 N/B lanes closed as needed,
	11:00pm – 5:00am	Sun-Thu	2 N/B lanes closed as needed,
	12:01am – 6:00am	Sat-Sun	2 N/B lanes closed as needed.

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

01/01–07/24:	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.

NOTE: Lane closures restricted during Throgs Neck Bridge emergency repairs during summer 2009.

07/25–08/07:	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, 1 S/B lane closed as needed.
	11:00pm- 6:00am		Fri night to Sun morning, 1 S/B lane closed as needed.

NOTE: Lane closures restricted during Throgs Neck Bridge emergency repairs during summer 2009.

08/08–10/30:	10:00am – 3:00pm	Mon-Thu	1 S/B lane closed as needed;
	10:00am – 2:00pm	Fri	1 S/B lane closed as needed;
	6:00am – Noon	Sat-Sun	1 S/B lane closed as needed,
	12:01pm – 5:00am	Sun	1 S/B lane closed as needed.

NOTE: Lane closures restricted during Throgs Neck Bridge emergency repairs during summer 2009.

10/01–12/11:	9:30am – 2:30pm	Mon- Fri	1 S/B lane closed as needed;
	6:00am – Noon	Sat-Sun	1 S/B lane closed as needed.

12/12–12/31:	9:30am – 2:30pm	Mon- Fri	1 S/B lane closed as needed;
	11:00pm – 5:00am	Mon-Fri	1 S/B lane closed as needed,
	12:01am – Noon	Sat-Sun	1 S/B lane closed as needed.

Cross Bay Bridge

Northbound lane closures (to Queens) were in effect on the bridge according to the following schedule.

All 2009:	Round-the-clock	All Days	1 of 3 N/B lanes closed.
	8:30am – 4:30pm	Weekdays	2 nd N/B lane closed as needed.

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

01/01–11/01:	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.
11/02–12/31:	6:00am – 4:00pm	Weekdays	1 S/B lane closed as needed.

From January 1 to May 22, the northbound ramp from Beach Channel Drive East to the bridge was closed round-the-clock.

From February 23 to May 22, the southbound ramps from the bridge onto Beach Channel Drive east (toward Rockaways) and Rockaway Freeway/Shore Front Parkway were closed. Motorists traveling east were required to exit onto Beach Channel Drive via the Riis Park ramp and follow posted detour.

Marine Parkway Bridge (Gil Hodges Memorial Bridge)

There were intermittent closures of single lanes in both directions during off-peak hours.

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

01/01–01/23:	9:00am – 4:30pm	Mon-Fri	1 of 2 N/B lanes closed as needed.
01/24–06/05:	8:00am – 4:30pm	Mon-Fri	1 of 2 N/B lanes closed as needed.
06/06–12/11:	9:00am – 4:30pm	Mon-Fri	1 of 2 N/B lanes closed as needed.
12/12–12/30:	9:30am – 3:00pm	Mon-Fri	1 of 2 N/B lanes closed as needed,
	10:00am – 3:00pm	Mon-Fri	All lanes also subject to 20 minute intermittent closures as needed.

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

01/01–06/05:	8:00am – 4:30pm	Mon-Fri	1 of 2 S/B lanes closed as needed.
06/06–12/11:	7:00am – 4:30pm	Mon-Fri	1 of 2 N/B lanes closed as needed.
12/12–12/30:	7:00am – 3:00pm	Mon-Fri	1 of 2 N/B lanes closed as needed.
	10:00am – 3:00pm	Mon-Fri	All lanes also subject to 20 minute intermittent closures as needed.

From September 8 to September 25, and from October 10 to October 12, the Breezy Point exit ramp was closed, with traffic detoured onto Beach Channel Drive eastbound, and turnaround just west of Beach 149th Street.

Throgs Neck Bridge

The Cross Island Parkway ramp leading Bronx-bound motorists onto the bridge from Queens was closed from July 16 to August 10. Motorists were advised to consider the Bronx-Whitestone Bridge or use the Clearview Expressway as alternate route to the Throgs Neck Bridge.

From July 18 to July 25, due to emergency repairs, two lanes were maintained northbound to The Bronx, with no trucks permitted.

As of July 25, the ban on most northbound trucks was lifted, including State divisible load permitted trucks weighing up to 105,000 pounds. Two lanes northbound continued to be maintained on the bridge. Trucks were required to enter the bridge from the left lane of the northbound Clearview Expressway and remain in the left lane until the bridge expands to three lanes.

As of August 10, the third northbound lane was reopened on the bridge. All three northbound lanes were narrowed to enable work to continue.

Also on August 10, one of two lanes on the Cross Island Parkway ramp leading Bronx-bound motorists onto the bridge from Queens was reopened.

Repair work was completed December 11.

Throughout 2009, there were additional intermittent closures of single lanes on the Throgs Neck Bridge during off-peak hours.

Verrazano-Narrows Bridge

Throughout 2009, **trucks** were required to use the upper level.

Verrazano Bridge Operation: January 1 to August 20, 2009

One Lower Level eastbound lane (To Brooklyn) was closed 10:00am – 6:00pm Weekdays.

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

9:00pm – 5:00am Monday nights to Friday mornings,

12:01am – 8:00am Sat.

E/B lower level closed as needed.

One Lower Level westbound lane (To Staten Island) was closed according to the following schedule.

6:00am – 2:00pm Mon-Thu,

6:00am – 1:00pm Fri.

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.

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

Verrazano Bridge Operation: August 21 to December 31, 2009

One eastbound lane (to Brooklyn) was closed on each level 10:00am – 6:00pm Mon – Thu.

One entire eastbound level (to Brooklyn) was closed as needed according to the following schedule.

9:00pm – 5:00am Mon – Fri,
12:01am – 8:00am Sat.
1 eastbound level closed as needed.

One westbound lane (to Staten Island) was closed as needed on each level 6:00am to 2:00pm Mon – Fri.

One entire westbound level (to Staten Island) was closed as needed according to the following schedule.

9:00pm – 6:00am Mon – Thu,
12:01am – 8:00am Sat.
1 westbound level closed as needed.

From September 29 to October 30, the westbound Belt Parkway exit to the bridge was closed 11:00pm to 4:00am Monday nights to Saturday mornings. One of two lanes on the ramp was closed as needed 10:00am to 2:00pm, and 11:00pm-5:00am.

Throughout 2009, there were additional intermittent closures of single lanes in both directions on the Verrazano-Narrows Bridge roadways during off-peak hours.

George Washington Bridge

Throughout 2009, there were additional intermittent closures of single lanes during off-peak hours to facilitate PANYNJ maintenance work.

Holland Tunnel

Throughout 2009, all eastbound (to Manhattan) commercial traffic was banned from the Holland Tunnel.

Throughout 2009, 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.

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

01/01-04/10:	11:30pm – 5:30am Mon–Fri.	1 w/b lane closed.
	12:01am – 8:00am Sat.	1 w/b lane closed.
04/11-08/16:	11:30pm – 5:30am Mon–Fri.	1 w/b lane closed.
08/17-12/31:	11:30pm – 5:30am Mon–Fri.	1 w/b lane closed.
	12:01am – 8:00am Sat.	1 w/b lane closed.

The tunnel was completely closed westbound (to New Jersey) as follows:

04/11-08/16: 1:00am – 8:00am Sat-Sun. Tunnel completely closed W/B.
No closures on legal holiday weekends or during inclement weather.

12/05-12/13: 2:00am – 8:00am Sat, Tunnel completely closed W/B.
1:00am - 8:00am Sun.
No closures on legal holiday weekends or during inclement weather.

The tunnel was completely closed eastbound (to New York) as follows:

08/22-11/22: 1:00am – 8:00am Sat-Sun. Tunnel completely closed E/B.
No closures on legal holiday weekends or during inclement weather.

From April 13 to August 21, the approach roadways of Varick Street, Watts Street, and Canal Street leading to the tunnel were closed one at a time for repaving between 9:00am and 2:00pm on weekdays.

Throughout 2009, 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 2009: 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.

Outerbridge Crossing

Throughout 2009, there were intermittent closures of one of the two lanes in either or both directions during off-peak hours.

