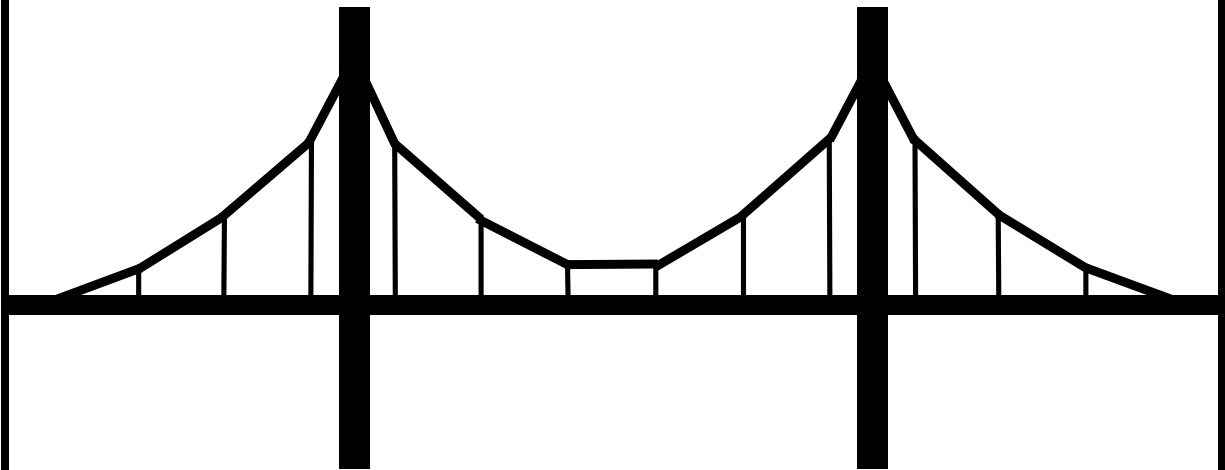


NEW YORK CITY BRIDGE TRAFFIC VOLUMES 2002



The City of New York
Michael R. Bloomberg, Mayor



New York City
Department of Transportation
Iris Weinshall, Commissioner

December 2003

New York City Bridge Traffic Volumes 2002

**PT 2220914 and PT 2221915
Contract D000642**

Task CDOT-02-02 and CDOT-02-03

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

Prepared by:
New York City Department of Transportation

Iris Weinshall
Commissioner

Judy Bergtraum
First Deputy Commissioner

David Woloch
Deputy Commissioner/Senior Policy Advisor

Michael Primeggia
Deputy Commissioner

Ann Marie Sledge-Doherty
Chief, Research, Implementation, and Safety

Richard P. Roan
Research, Implementation, and Safety

TABLE OF CONTENTS

	PAGE
INTRODUCTION	7
SUMMARY	
2001-2002 Impacts of 9/11	8
2002 Volumes	9
Major Increases	10
Major Decreases	10
Ten-Year Trends: 1992 - 2002	10
Historic Trends	11
Major Bridge Reconstruction in 2002	12
New York City Bridges Map	25
Average Daily Traffic Volumes 1948 - 2002	26
7am - 7pm Vehicle Classification in 2002	27
Traffic Volume Trends 2001 - 2002	29
10-Year Traffic Growth Rate Trends 1952 - 2002	32
EAST RIVER BRIDGES	
Average Daily Traffic Volumes 1948 - 2002	35
Brooklyn	36
Manhattan	37
Queensboro	38
Williamsburg	39
HARLEM RIVER BRIDGES	
Average Daily Traffic Volumes 1948 - 2002	40
Alexander Hamilton	41

	PAGE
Broadway	42
Macombs Dam	43
Madison Avenue	44
Third Avenue	45
University Heights	46
Washington	47
Willis Avenue	48
145th Street	49
BROOKLYN-QUEENS BRIDGES	
Average Daily Traffic Volumes 1948 - 2002	50
Grand Street	51
Greenpoint Avenue	52
Kosciuszko	53
Pulaski	54
BRONX BRIDGES	
Average Daily Traffic Volumes 1948 - 2002	55
City Island	56
East 174th Street	57
Eastchester	58
Eastern Boulevard	59
Hutchinson River Parkway	60
Pelham	61

	PAGE
Unionport	62
Westchester Avenue	63
BROOKLYN BRIDGES	
Average Daily Traffic Volumes 1948 - 2002	64
Carroll Street	65
Cropsey Avenue	66
Hamilton Avenue	67
Metropolitan Avenue	68
Mill Basin	69
Ninth Street	70
Stillwell Avenue	71
Third Avenue	72
Third Street	73
Union Street	74
QUEENS BRIDGES	
Average Daily Traffic Volumes 1948 - 2002	75
Borden Avenue	76
Flushing	77
Hook Creek	78
Hunter's Point	79
Little Neck	80
Midtown Highway	81

	PAGE
North Channel	82
Rikers Island	83
Roosevelt Avenue	84
Roosevelt Island	85
Whitestone Expressway	86
STATEN ISLAND BRIDGES	
Average Daily Traffic Volumes 1948 - 2002	87
Fresh Kills	88
MTA BRIDGES AND TUNNELS FACILITIES.	
Average Daily Traffic Volumes 1948 -2002	
Manhattan Facilities	89
Outer Borough Facilities	89
2002 Hourly Volumes	
Manhattan Facilities	90
Outer Borough Facilities	91
PORT AUTHORITY OF NEW YORK AND NEW JERSEY FACILITIES	
Average Daily Traffic Volumes 1948 - 2002	
Manhattan Facilities	92
Outer Borough Bridges	92
2002 Hourly Volumes	
Manhattan Facilities	93
Outer Borough Bridges	94

INTRODUCTION

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 2002 *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 of automobiles, buses, commuter vans, trucks, and commercial vans for the 7am-7pm time period. A regression analysis of the total daily volumes for each facility for the years 1948-2002 was performed in order to develop trend information. In addition, changes in the traffic volumes for all facilities over the past 54 years are shown in graphical form.

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.

The 47 New York City bridges and the MTABT and PANYNJ facilities have been designated a highway functional classification. 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 systems 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

2001-2002 Impacts of 9/11

- Traffic volumes on some of the City's bridges and tunnels (principally those serving lower Manhattan) were heavily impacted by the events of 9/11, and by restrictions on traffic entering Manhattan south of 60th Street during the ensuing months. The most significant impacts were on facilities south of Canal Street. In the fall of 2001, Brooklyn Bridge traffic was 35.3% below its year-earlier level. Brooklyn-Battery Tunnel traffic was down 78.2%, Holland Tunnel traffic down 57.1%.
- Following 9/11, non-essential single-occupant vehicles were prohibited from entering Manhattan via any bridge or tunnel south of 63rd Street between 6:00am and 11:00am on weekdays.
- On weekdays between 5:00am and 6:00pm, only emergency and official vehicles, residential vehicles, commercial traffic, licensed taxis, liveries, and buses were permitted south of Canal Street in Manhattan.
- The following additional restrictions were also placed in effect at Lower Manhattan entry points:
 - The Brooklyn-Battery tunnel was completely closed to non-essential vehicles round-the-clock in both directions.
 - The Manhattan-bound Holland Tunnel was completely closed to all vehicular traffic round-the-clock, except for emergency vehicles. The New Jersey-bound Holland Tunnel was open to passenger cars and buses only (no trucks).
 - On the Brooklyn Bridge, Manhattan-bound traffic was required to access the bridge from the eastbound Brooklyn-Queens Expressway or from Sands Street. The Tillary/Adams Streets entrance was open to emergency vehicles only. Manhattan-bound traffic was directed to the northbound FDR Drive, and was not permitted to exit to either Pearl Street or Centre Street. Brooklyn-bound traffic was required to access the bridge from the southbound FDR Drive only.
- In mid-October, 2001, the hours during which non-essential single-occupant vehicles were prohibited from entering Manhattan via any bridge or tunnel south of 63rd Street were reduced, to between 6:00am and 10:00am on weekdays. The following additional easing of restrictions also went into effect:
 - The Brooklyn-Battery tunnel was reopened to Brooklyn-bound traffic, but the only access was from a single southbound FDR Drive lane. The Manhattan-bound Brooklyn-Battery tunnel remained closed to non-essential vehicles round-the-clock.
 - The Manhattan-bound Holland Tunnel was reopened to passenger cars only, with a round-the-clock ban on single-occupant vehicles. The New Jersey-bound Holland Tunnel remained open to passenger cars and buses only (no trucks).
 - On the Brooklyn Bridge, the Manhattan-bound entrance from Tillary/Adams Streets was reopened. Manhattan-bound traffic was permitted to exit to northbound Centre Street, as well as to the northbound FDR Drive. Manhattan-bound traffic was still not permitted to exit to Pearl Street. Brooklyn-bound traffic was permitted to access

the bridge from Lafayette Street, as well as from the southbound FDR Drive. There was still no Brooklyn-bound access from Centre Street or from Park Row.

- On November 15, 2001, the Manhattan-bound Brooklyn-Battery Tunnel was reopened to passenger vehicles only (no trucks or commercial traffic) on week nights between 8:00pm and 6:00am, and from 8:00pm Friday to 6:00am Monday. Between 6:00am and 8:00pm on weekdays, the Manhattan-bound tunnel was open to emergency vehicles and express buses only. The tunnel also remained open to Brooklyn-bound traffic, with the only access from the southbound FDR Drive.
- On November 29, 2001, the round-the-clock ban on single-occupant Manhattan-bound cars at the Holland Tunnel was reduced, to between 6-10am on weekdays. The round-the-clock ban on trucks remained in effect. The New Jersey-bound Holland Tunnel remained open to passenger cars and buses only (no trucks).
- Also as of November 29, 2001, all passenger cars were allowed south of Canal Street, except between 6:00am and 10:00am on weekdays. Passenger cars still were not allowed in the frozen zone around Ground Zero. Previously, only residential vehicles had been allowed south of Canal Street, along with emergency and official vehicles, commercial vehicles, taxi and limousine commission certified vehicles, buses, and delivery vehicles.
- As of March 29, 2002, the Brooklyn-Battery Tunnel was reopened on a 24-hour basis to all vehicle types in both directions. The ban on Manhattan-bound single-occupant vehicles remained in effect between 6:00-10:00am on weekdays.
- As of April 6, 2002, the round-the-clock ban on Manhattan-bound trucks was discontinued at the Holland Tunnel. The ban on New Jersey-bound trucks remained in effect. The 6-10am weekday ban against non-essential, single-occupant Manhattan-bound vehicles also remained in effect.
- As of April 22, 2002, the 6-10am weekday ban against single-occupant Manhattan-bound vehicles was discontinued at the Queens-Midtown Tunnel, the Lincoln Tunnel, and the Queensboro Bridge.

2002 Volumes

- In 2002, daily traffic on the 47 bridges operated by the New York City Department of Transportation increased slightly, by 0.1%, to 2.667 million from 2.666 million in 2001.
- Volumes on the East River Bridges increased sharply, following a major decline resulting from the events of 9/11/2001, which severely restricted traffic flow into lower Manhattan. Traffic on the four East River bridges was up 9.3%, to 467,100 in 2002 from 427,300 in 2001. Nevertheless, this was still some 47,700 fewer daily vehicles using the four East River Bridges than the 514,800 that had been recorded two years earlier in fall 2000.
- Bridge volumes in the outer boroughs, and crossing the Harlem River, were generally down modestly from 2001 levels.
- The most heavily used City-operated water crossing in 2002 was the Whitestone Expressway Bridge, which carried 188,800 daily vehicles across Newtown Creek between the boroughs of Brooklyn and Queens.
- Other high volume bridges were the Kosciuszko over Newtown Creek between Brooklyn and Queens (184,400 daily vehicles), the Eastern Boulevard Bridge in The Bronx (179,000), the Queensboro Bridge over the East River between Manhattan and Queens (176,400), the Alexander Hamilton Bridge over the Harlem River between The Bronx and Manhattan

(168,100), the Mill Basin Bridge on the Belt Parkway in Brooklyn (142,100), and the Brooklyn Bridge over the East River between Brooklyn and Manhattan (121,100).

Major Increases

- On bridges carrying more than 50,000 daily vehicles, the largest percentage increases were on the Brooklyn and Williamsburg Bridges (+26.7% and +25.7%, respectively) over the East River between Brooklyn and Manhattan. Brooklyn Bridge traffic had been severely curtailed in the fall of 2001 following the events of 9/11. On the Williamsburg Bridge, a fifty percent capacity reduction had been in effect during 2001, with two of the four roadways closed round-the-clock for reconstruction.
- On bridges carrying fewer than 50,000 daily vehicles, the 145th Street Bridge over the Harlem River between The Bronx and Manhattan had the highest percentage increase (+34.8%). The adjacent Macombs Dam Bridge was operating with a fifty percent capacity reduction during fall 2002, with one of two lanes in each direction closed round-the-clock for reconstruction.

Major Decreases

- On bridges carrying more than 50,000 daily vehicles, the Third Avenue Bridge over the Harlem River between The Bronx and Manhattan showed the largest percentage decline (-19.0%). Two of the four Manhattan-bound lanes were closed for long term bridge rehabilitation. The bridge entrance from Bruckner Boulevard was also closed.
- On bridges carrying fewer than 50,000 daily vehicles, the Macombs Dam Bridge over the Harlem River between The Bronx and Manhattan showed the largest percentage reduction (-52.3%). Capacity was reduced by fifty percent, with one of two lanes in each direction closed round-the-clock for reconstruction.

Ten-Year Trends: 1992 - 2002

- Total bridge traffic increased at an average rate of 1.6% per year during this ten-year period, somewhat faster than the 1.1% average annual growth rate during the preceding decade. The highest annual growth rates occurred on the Madison Avenue Bridge over the Harlem River between The Bronx and Manhattan (+7.2%), the Pulaski Bridge over Newtown Creek between Brooklyn and Queens (+4.7%), the Fresh Kills Bridge in Staten Island (+4.2%), the Eastern Boulevard Bridge in The Bronx (+4.1%), and the Hutchinson River Parkway Bridge in The Bronx (+4.1%).
- Traffic on the four toll-free East River bridges increased at an average rate of 0.9% per year, slightly faster than the 0.6% annual growth rate during the preceding decade. The highest growth rate occurred on the Queensboro Bridge, +2.9% per year. Average volume on the Brooklyn and Manhattan Bridges declined, by 1.0% per year and 0.5% per year, respectively.
- Traffic on the nine toll-free Harlem River bridges increased 0.7% per year, somewhat slower than the average annual growth rate of 1.1% during the preceding decade. The highest growth rate occurred on the Madison Avenue Bridge, +7.2% per year. Average volume on the Macombs Dam Bridge declined by 4.1% annually.
- On the four bridges over Newtown Creek between Brooklyn and Queens, daily traffic increased 2.1% per year, notably faster than the 1.6% annual growth rate during the preceding decade. The highest growth rate occurred on the Pulaski Bridge, +4.7% per year.
- Daily volume on the eight bridges in the Bronx increased 3.1% per year, nearly twice the average growth rate of 1.7% per year during the preceding decade. The fastest individual

facility growth rates were recorded on the Hutchinson River Parkway Bridge (+4.1% annually), the Eastern Boulevard Bridge (+4.1% annually), the City Island Bridge (+3.4% annually), the Westchester Avenue Bridge (+3.1% annually), and the Unionport Bridge (+2.9% annually). Average volume on the East 174th Street Bridge declined by 2.6% annually.

- Average daily traffic on the ten bridges in Brooklyn increased 1.1% per year, compared to the 1.7% annual growth rate during the preceding ten years. The fastest growth rates occurred on the Third Street and Ninth Street Bridges (+3.6% annually apiece).
- Traffic on the eleven Queens bridges increased 1.9% per year, over twice the 0.7% annual growth rate of the preceding decade. The fastest growth rates occurred on the Whitestone Expressway Bridge (+3.3% annually), the North Channel Bridge (+2.2% annually), and the Midtown Highway Bridge (+2.1% annually).

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 2002, it stood at 2,667,000 daily trips, nearly three times the 1948 volume.
- Between 1952 and 1962, bridge traffic increased 3.2% per year on the 44 City bridges open during that time. The highest annual growth rates were on the Carroll Street Bridge in Brooklyn (+16.6%), the Third Street Bridge in Brooklyn (+16.4%), the Brooklyn Bridge over the East River between Manhattan and Brooklyn (+14.1%), the Unionport Bridge in The Bronx (+13.9%), and the Hook Creek Bridge in Queens (+9.0%).
- Between 1962 and 1972, bridge traffic increased 2.6% per year on the 45 City bridges open during that time. The Eastchester Bridge in The Bronx had the highest annual growth rate (+10.8%), followed by the Fresh Kills Bridge in Staten Island (+10.4%), the Whitestone Expressway Bridge in Queens (+9.6%), and the Roosevelt Island Bridge in Queens (+8.7%).
- Between 1972 and 1982, total traffic on the 47 City bridges showed an average annual growth rate of 0.4%. The highest individual facility annual growth rates were on the Fresh Kills Bridge in Staten Island (+6.1%), the Borden Avenue Bridge in Queens (+5.2%), and the Rikers Island Bridge in Queens (+4.8%).
- Between 1982 and 1992, bridge traffic grew 1.1% per year on the 47 City bridges. The highest growth rates were on the Rikers Island Bridge in Queens (+7.9% annually), and the East 174th Street Bridge in The Bronx (+6.7% annually).
- 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. The secular decline in the City's economy and gasoline shortages led to 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 701,000 more daily vehicles crossing the bridges in 2002 than in 1979.

Major Bridge Reconstruction In 2002

- Brooklyn Bridge:

Throughout 2002, non-essential single-occupant vehicles were banned from the Manhattan-bound roadway on weekdays between 6:00-10:00 am.

From January 1 to June 28, all Manhattan-bound traffic was directed to Centre Street and the northbound FDR Drive. Brooklyn-bound traffic had access to the bridge only from Lafayette Street and the southbound FDR Drive.

Westbound lane closures were in effect according to the following schedule.

07/13:	12:01am - 5:00am	Sat	2 w/b lanes closed intermittently.
08/03-08/30:	11:00pm - 5:00am	Sun-Fri	1 w/b lane closed intermittently.

Eastbound lane closures were in effect according to the following schedule.

02/02-02/09:	7:00am - 2:00pm	Sat	1 e/b lane closed.
01/12-07/12:	10:00am - 3:00pm	Mon-Fri	1 e/b lane closed intermittently.
08/03-12/31:	10:00am - 3:00pm	Mon-Fri	1 e/b lane closed intermittently.
	5:00am - 2:00pm	Sat	1 e/b lane closed intermittently.

July 13 to July 19, the following closures were in effect.

The exit from the northbound FDR Drive to the eastbound Brooklyn Bridge and the Civic Center was closed nightly from 10:00 pm to 6:00 am.

The exit from the southbound FDR Drive to the eastbound Brooklyn Bridge was closed nightly from 2:00 am to 6:00 am.

Motorists were advised to use the Manhattan Bridge or the Brooklyn-Battery Tunnel between 2:00 am and 6:00 am.

July 20 to July 26, the following closures were in effect.

The exit from the northbound FDR Drive to the eastbound Brooklyn Bridge and the Civic Center was closed nightly from 10:00 pm to 6:00 am.

The exit from the southbound FDR Drive to the eastbound Brooklyn Bridge was closed nightly from 11:00 pm to 6:00 am.

The Pearl Street entrance ramp to the eastbound Brooklyn Bridge was closed nightly from 2:00 am to 6:00 am.

Motorists were advised to use the Manhattan Bridge or the Brooklyn-Battery Tunnel.

July 27 to July 28, the following closures were in effect.

The exit from the northbound FDR Drive to the eastbound Brooklyn Bridge and the Civic Center was closed nightly from 10:00 pm to 6:00 am.

The exit from the southbound FDR Drive to the eastbound Brooklyn Bridge was closed weekdays from 12:01 am to 6:00 am, Saturday from 12:01 am to 7:00 am, and Sunday from 1:00 am to 8:00 am..

The Pearl Street entrance ramp to the eastbound Brooklyn Bridge was closed nightly from 2:00 am to 6:00 am.

Motorists were advised to use the Manhattan Bridge or the Brooklyn-Battery Tunnel.

November 17, the following closures were in effect.

One of two lanes on the westbound (inbound) exit to Centre and Chambers Streets was closed from 12:01 am to 8:00 am.

Throughout 2002, there were additional intermittent closings of single lanes in both directions on the Brooklyn Bridge during off-peak hours.

- Manhattan Bridge:

Throughout 2002, non-essential single-occupant vehicles were banned from the Manhattan-bound roadways on weekdays between 6:00-10:00 am.

Throughout 2002, pedestrian and bicycle access was provided on the south side of the Manhattan Bridge, on an interim roadway.

The reversible Lower Roadway of the Manhattan Bridge was operated according to the following schedule.

01/01-03/22: 6:00am - 1:00pm Mon-Fri Manhattan-bound.
All other times Brooklyn-bound.

03/23-03/29: 6:00am - 1:00pm Mon-Fri Manhattan-bound.
6:00am - 6:00pm Sat-Sun Manhattan-bound.
All other times Brooklyn-bound.

Note: W/B Sat & Sun 6:00am - 6:00pm to facilitate truck traffic diverted from Williamsburg Bridge which has both north roadways closed from 12:01am Sat to 5:00am Mon, for foot walk installation.

03/30-04/05: 6:00am - 1:00pm Mon-Fri Manhattan-bound.
All other times Brooklyn-bound.

04/06-05/11: 6:00am - 1:00pm Mon-Fri Manhattan-bound.
6:00am - 6:00pm Sat-Sun Manhattan-bound.
All other times Brooklyn-bound.

Note: W/B Sat & Sun 6:00am - 6:00pm to facilitate truck traffic diverted from Williamsburg Bridge which has both north roadways closed from 12:01am Sat to 5:00am Mon, for foot walk installation.

05/12-07/31: 6:00am - 1:00pm Mon-Fri Manhattan-bound.
All other times Brooklyn-bound.

08/01-12/31: 5:00am - 10:00am Mon-Fri All 3 lanes Manhattan-bound.
3:00pm - 9:00pm Mon-Fri 2 lanes Manhattan-bound.
1 lane Brooklyn-bound (no commercial traffic).

All other times 2 lanes Manhattan-bound, with a 3rd Manhattan-bound lane available when work was not occurring on the Lower Roadway.

Note: North Upper Roadway closed round-the-clock as of 08/01/2002.

Lane closures were in effect on the reversible Lower Roadway according to the following schedule.

01/01-07/31:	Round-the-clock 10:00am - 3:00pm	All days Mon-Fri	1 lane closed. 2 nd lane closed intermittently.
08/01-12/31:	5:00am - 10:00am 3:00pm - 9:00pm All other times	Mon-Fri Mon-Fri	No lane closures on Lower Roadway. No lane closures on Lower Roadway. One lane closed intermittently.

Note: North Upper Roadway closed round-the-clock as of 08/01/2002.

The South Upper Roadway was completely closed according to the following schedule.

01/01-07/31: 9:00pm - 5:00am Weeknights.

As of 5:00am, Thursday, August 1, 2002, **North Upper Roadway closed** round-the-clock for a period of approximately one year to facilitate NYCDOT bridge reconstruction, with lane usage as follows:

5:00am - 10am Mon - Fri
Three lanes Manhattan-bound (Lower Roadway).
Two lanes Brooklyn-bound (South Upper Roadway).

3:00pm - 9:00pm Mon - Fri
Two lanes Manhattan-bound (Lower Roadway).
Three lanes Brooklyn-bound (South Upper Roadway two lanes, plus one reversed lane on Lower Roadway for passenger cars only).

All other times

Two lanes Manhattan-bound on Lower Roadway, with a third Manhattan-bound lane available when work is not occurring on the Lower Roadway.
Two lanes Brooklyn-bound (South Upper Roadway).

All Manhattan-bound traffic accesses westbound Canal Street and northbound Bowery only, with no direct access to eastbound Canal Street or Chrystie Street from the Manhattan Bridge. All Brooklyn-bound traffic accesses Flatbush Avenue and Jay Street.

Commercial traffic permitted on the bridge at all times in both directions, with all Brooklyn-bound commercial traffic required to use the South Upper Roadway at all times.

Throughout 2002, at least three lanes were available during the peak periods on weekdays (6:00-10:00am inbound, 3:00-7:00pm outbound).

Throughout 2002, there were additional intermittent closings of single lanes in both directions on individual roadways of the Manhattan Bridge during off-peak hours.

- Queensboro Bridge:

From January 1 to April 19, non-essential single-occupant vehicles were banned from the Manhattan-bound roadways on weekdays between 6:00-10:00 am.

Throughout 2002, trucks were permitted on the two lower inner roadways only.

Throughout 2002, 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.

Queensboro Bridge roadway operating configuration during all of 2002

- N. Inner: W/B all times; W/B trucks required to use this roadway.
- S. Inner: E/B all times; E/B trucks required to use this roadway.
- N. Upper: W/B all times.
- N. Outer: Bicyclists and pedestrians all times.
- S. Outer: E/B all times (passenger cars only).
- S. Upper: 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.

The Manhattan-bound South Inner Roadway of the Queensboro Bridge was closed according to the following schedule.

- 01/30-01/31: 1:00am - 5:00am Wed-Thu Both lanes closed.
- 02/08: 1:00am - 5:00am Fri Both lanes closed.
- 09/29: 12:01am - 8:30am Sun One lane closed.

Manhattan-bound trucks banned from bridge during these times.

Throughout 2002, there were additional intermittent closings of single lanes on individual roadways of the Queensboro Bridge during off-peak hours. These closings were limited to one lane in each direction.

- Williamsburg Bridge:

Throughout 2002, non-essential single-occupant vehicles were banned from the Manhattan-bound roadway on weekdays between 6:00-10:00 am.

Throughout 2002, trucks were permitted only on the outer roadways of the Williamsburg Bridge.

The North Inner Roadway, closed round-the-clock for reconstruction since January 29, 2001, was reopened on June 10, 2002.

The North Inner Roadway was closed according to the following schedule.

- 01/01-06/09: Round-the-clock All days.
South Inner Roadway reversed to Manhattan-bound 6:00am – 2:30pm weekdays.
- 09/21: 5:00am - 3:00pm Sat.
South Inner Roadway reversed to Manhattan-bound during these hours.
- 06/10-12/31 5:00am - 3:00pm Mon-Fri.
South Inner Roadway reversed to Manhattan-bound during these hours.

The North Outer Roadway was closed according to the following schedule.

- 03/23-03/25: 12:01am Sat - 5:00am Mon.
- 04/06-05/06: 12:01am Sat - 5:00am Mon.
- 05/11: 12:01am - 6:00pm Sat.

09/21: 5:00am - 8:00am Sat.

Williamsburg Bridge South Inner Roadway operated Manhattan-bound during these times.

Manhattan-bound trucks banned from Williamsburg Bridge during these times.

The South Inner Roadway was closed according to the following schedule.

03/23-03/25: 12:01am Sat - 5:00am Mon.

04/06-05/06: 12:01am Sat - 5:00am Mon.

08/23-08/26: 10:00pm Fri - 5:30am Mon.

The South Outer Roadway was closed according to the following schedule.

08/23-08/26: 10:00pm Fri - 10:30am Sat,
10:00pm Sat - 10:30am Sun,
7:00pm Sun - 5:30am Mon.

The normally Brooklyn-bound South Inner Roadway was reversed to Manhattan-bound according to the following schedule.

01/01-06/09 6:00am - 2:30pm Mon-Fri.
North Inner Roadway closed round-the-clock.

06/10-07/12 6:00am - 2:30pm Mon-Fri.
North Inner Roadway closed 6:00am-2:30pm.

07/11-12/31 5:00am - 3:30pm Mon-Fri.
North Inner Roadway closed 5:00am-3:00pm.

09/21: 5:00am - 3:00pm Sat.
North Inner Roadway closed 5:00am-3:00pm.
North Outer Roadway closed 5:00am-8:00am.

Throughout 2002, there were additional intermittent closings of single lanes on individual roadways and entrance/exit ramps of the Williamsburg Bridge during off-peak hours. These closings were limited to one lane in each direction.

- Alexander Hamilton Bridge:

From January 1 to May 10, one of three lanes in each direction on the Cross Bronx Expressway between the Alexander Hamilton Bridge and Castle Hill Avenue was closed intermittently at work areas from 10:00pm to 6:00am weeknights. Two of three lanes were closed intermittently from 12:01am to 5:00am.

- Macombs Dam Bridge:

From January 1 to February 19, one of two lanes in each direction on the Macombs Dam Bridge and the 155th Street viaduct was closed at all times. In addition, the ramp from southbound Major Deegan Expressway to the bridge (Exit 5), and the ramp from the bridge to southbound Major Deegan Expressway, were also closed. The ramp from the bridge to northbound Major Deegan Expressway remained open. Motorists were advised to use alternate Harlem River crossings.

From February 20 to October 11, there were intermittent closings of single lanes on the Macombs Dam Bridge during off-peak hours, between 10:00am and 3:00pm weekdays, and between 10:00pm and 5:00am weeknights. There were no lane closures during New York Yankee home games.

From October 12 to December 31, one of two lanes in each direction on the Macombs Dam Bridge and the 155th Street viaduct was closed at all times. In addition, the ramp from southbound Major Deegan Expressway to the bridge (Exit 5), and the ramp from the bridge to southbound Major Deegan Expressway, were also closed. Access to/from the bridge via Adam Clayton Powell, Jr. Boulevard and Macombs Place was also closed.

- Madison Avenue Bridge:

Throughout 2002, there were intermittent weekday closings of one of the two Manhattan-bound lanes between 9:30am and 3:00pm, and one of the two Bronx-bound lanes between 8:00am and 3:00pm. There were no lane closures during New York Yankee home games.

The Madison Avenue Bridge was completely closed in both directions according to the following schedule.

08/26-08/27: 11:00pm Mon - 5:00am Tue.

- Third Avenue Bridge (Harlem River):

From January 1 to October 2, there were intermittent weekday closures of one lane on the approach from Bruckner Boulevard and from Third Avenue between 10:am and 3:00pm.

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

04/28: 2:00am - 7:00am Sun.

As of October 3, 2002, two of the four Manhattan-bound lanes were closed for long term bridge rehabilitation. The bridge entrance from Bruckner Boulevard was also closed. Motorists were detoured to the entrance from Third Avenue.

During this period, on weekdays between 6:00-10:00am, and from 10:00pm to 2:00am following Yankee home games, Manhattan-bound passenger cars were accommodated in a reverse lane on the Willis Avenue Bridge.

- Willis Avenue Bridge:

From January 1 to October 2, there were intermittent weekday closures of one lane between 10:00am and 3:00pm.

One of two lanes from the First Avenue and FDR Drive approaches was closed according to the following schedule.

02/02-09/13: 11:00pm - 5:00am Weeknights.

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

08/09: 2:00am - 4:00am Fri.

Motorists were advised to use either the Triborough Bridge or the Madison Avenue Bridge during these hours.

As of October 3, 2002, one lane was reversed to Manhattan-bound between 6:00-10:00am weekdays, and from 10:00pm to 2:00am following Yankee home games, to accommodate traffic (passenger cars only) from the Third Avenue Bridge reconstruction. Direct access to the reversal lane was available from southbound Major Deegan Expressway (Exit 2), and from local streets via East 134th Street. Passenger cars using the reversal lane exited at First Avenue and 125th Street in Manhattan, and were permitted to turn left for access to southbound FDR Drive, or right for access to local streets.. During these hours, there were two Bronx-bound lanes open (one lane from the First Avenue approach and one lane from the FDR Drive approach).

One of two lanes from the First Avenue approach was closed intermittently according to the following schedule.

12/07-12/20: 10:00am - 3:00pm Mon-Fri.
12:01am - 8:00am Sat-Sun.
12/21-12/31: 12:01am - 8:00am Mon-Fri.

- Kosciuszko Bridge:

Throughout 2002, lane closures were in effect on the Kosciuszko Bridge, and/or on the Brooklyn-Queens Expressway in the vicinity of the bridge, according to the following schedule.

10:00am - 2:00pm	Mon-Fri	1 lane each way closed intermittently,
10:00pm - 5:00am	Mon-Fri	1 lane each way closed intermittently,
11:00pm Fri - 6:00am Sat		1 lane each way closed intermittently,
11:00pm Sat - 9:00am Sun		1 lane each way closed intermittently,
12:01am - 5:00am	Mon-Fri	2 lanes each way closed,
1:00am - 6:00am	Sat	2 lanes each way closed,
1:00am - 8:00am	Sun	2 lanes each way closed.

- Eastern Boulevard Bridge:

Lane closures were in effect on the main roadway of the Eastern Boulevard Bridge (Bruckner Expressway) according to the following schedule.

01/01-11/22: 10:00am - 3:00pm Mon-Fri 1 lane each way closed as needed.

- Pelham Bridge (Shore Road Bridge) over the Hutchinson River:

This bridge was completely closed in both directions from February 1 to May 3.

- Unionport Bridge:

There is a permanent one-lane closure on the eastbound service road from the northbound Bruckner Expressway exit ramp to the Unionport Bridge.

- Whitestone Expressway Bridge:

Lane closures were in effect on the Van Wyck Expressway at Roosevelt Avenue (just south of the Whitestone Expressway Bridge) according to the following schedule.

01/01-11/01: 10:00am - 3:00pm	Mon-Fri	1 lane closed each way,
11:00pm Sat - 11:00am Sun		1 n/b lane closed,
1:00am - 7:30am Sun		2 n/b lanes closed,
1:00am - 9:00am Sun		2 s/b lanes closed.

- Brooklyn-Battery Tunnel:

Immediately following the events of 9/11/2001, the Brooklyn-Battery tunnel was completely closed to non-essential vehicles round-the-clock in both directions.

On October 13, 2001, the tunnel was reopened to Brooklyn-bound traffic, but the only access was from the southbound FDR Drive. The Manhattan-bound Brooklyn-Battery tunnel remained closed to non-essential vehicles round-the-clock.

On November 15, 2001, the Manhattan-bound Brooklyn-Battery Tunnel was reopened to passenger vehicles only (no trucks or commercial traffic) on week nights between 8:00pm and 6:00am, and from 8:00pm Friday to 6:00am Monday. Between 6:00am and 8:00pm on weekdays, the Manhattan-bound tunnel was open to emergency vehicles and express buses only. The tunnel also remained open to Brooklyn-bound traffic, with the only access from the southbound FDR Drive.

On March 29, 2002, the tunnel was reopened on a 24-hour basis to all vehicle types in both directions. The ban on Manhattan-bound single-occupant vehicles remained in effect between 6:00-10:00am on weekdays.

Throughout 2002, non-essential single-occupant vehicles were banned from entering Manhattan via the Brooklyn-Battery Tunnel on weekdays between 6:00-10:00 am.

As of September 3, the inbound exit to Trinity Place was closed weekdays between 6:00-10:00am, and between 3:00-7:00pm, in conjunction with implementation of the Church Street Transitway.

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

09/21-09/22: 2:00am Sat - 6:00pm Sun.
Two-way traffic was maintained in the other tube.

09/28-09/29: 2:00am -6:00pm Sat,
10:00am -Noon Sun.
Two-way traffic was maintained in the other tube.

From January 1 to March 29, a special contra-flow lane on the outbound roadway of the Gowanus Expressway, from 92nd Street to the Brooklyn-Battery Tunnel, was open to buses and emergency vehicles from 6:00-10:00am on weekdays, with access to the Brooklyn-Battery Tunnel only. Entry to this special lane was available at 65th Street, and from the Upper Level of the Verrazano-Narrows Bridge. During operation of the special lane, two outbound lanes were available on the Gowanus Expressway.

In order to accommodate the special lane, the outbound Gowanus Expressway entrance ramp from Third Avenue/Prospect Avenue was closed between 5:00-11:00am. The ramp from the outbound Gowanus Expressway to the outbound Prospect Expressway was closed from 5:00-6:00am, and from 10:00-11:00am, and was reversed from 6:00-10:00am in order to accommodate the Prospect Expressway contra-flow bus lane as described below.

Throughout 2002, from 6:00-10:00am on weekdays, a Manhattan-bound contra-flow lane for buses was also provided from the Prospect Expressway by reversing the ramp from the outbound Gowanus Expressway to the outbound Prospect Expressway. This Prospect Expressway priority bus lane runs parallel to the Gowanus Expressway contra-flow lane from the Prospect/Gowanus interchange to the Brooklyn-Battery Tunnel.

As of April 1, 2002, with the Brooklyn-Battery Tunnel reopened to all vehicle types in both directions on a round-the-clock basis, the Gowanus Expressway contra-flow bus lane was converted to an HOV-3 lane. The new HOV-3 lane is available to buses, emergency vehicles, and cars occupied by three or more persons and equipped with *EZ-Pass*.

- Henry Hudson Bridge:

Northbound (upper level) lane closures were in effect according to the following schedule.

01/01-09/16:	6:00am - 2:00pm	Mon-Fri	1 of 3 n/b lanes closed.
09/17-12/31:	Round-the-clock	All days	1 of 3 n/b lanes closed.

Southbound (lower level) lane closures were in effect according to the following schedule.

01/01-09/19:	10:00am - 2:00pm	Mon-Fri	1 s/b toll lane closed.
09/20-12/31:	Round-the-clock	All days	1 of 3 s/b lanes closed.

- Queens-Midtown Tunnel:

From January 1 to April 19, non-essential single-occupant vehicles were banned from entering Manhattan via the Queens-Midtown Tunnel on weekdays between 6:00-10:00 am.

One lane in each direction was closed according the following schedule.

01/01-08/16:	11:30pm Sun - 5:30am Mon	
	10:00pm - 5:30am	Mon-Fri.

- Triborough Bridge:

Lane closures were in effect on the Triborough Bridge according to the following schedule.

01/01-07/08:	10:00am - 3:00pm	Mon-Thu	1 lane closed on each roadway,
	10:00am - 2:30pm	Fri	1 lane closed on each roadway.
07/08-12/31:	All hours	All days	1 lane closed round-the-clock.
	<i>4 lanes maintained during peak hours, 3 lanes off-peak.</i>		

The Manhattan-bound approach ramp from Queens was subject to lane reductions according to the following schedule.

09/16-10/18:	Round-the-clock	All days	Ramp reduced to 1 lane from 3.
10/19-10/25:	Round-the-clock	All days	Ramp reduced to 2 lanes from 3.

Throughout 2002, there were additional closures of single lanes on the Triborough Bridge roadways during off-peak hours.

- Bronx-Whitestone Bridge:

Lane closures were in effect on the Bronx-Whitestone Bridge according to the following schedule.

01/01-12/31:	10:00am - 3:00pm	Mon-Fri	1 lane closed in each direction.
--------------	------------------	---------	----------------------------------

The Queens-bound roadway was completely closed according to the following schedule.

08/05-08/11:	9:00pm - 6:00am	Mon-Thu,
	12:01am - 8:00am	Sat-Sun.
<i>2-way traffic was maintained on the Bronx-bound roadway during these hours.</i>		

- Marine Parkway Bridge:

Throughout 2002, one lane in each direction was closed continuously, and wide loads were prohibited from the bridge.

- Throgs Neck Bridge:

Lane closures were in effect on the Throgs Neck Bridge according to the following schedule.

01/01-04/12:	10:00am - 3:00pm 9:00am - 2:00pm	Mon-Thu Fri	1 s/b lane closed, 1 s/b lane closed.
04/13-04/26:	All hours 10:00pm - 5:00am	All days Weeknights	1 s/b lane closed round-the-clock, Total of 2 s/b lanes closed.
04/27-09/29:	10:00am - 3:00pm	Mon-Fri	1 lane closed in each direction.
09/30-10/25:	All hours	All days	1 n/b lane closed round-the-clock.

Throughout 2002, there were additional closures of single lanes on the Throgs Neck Bridge during off-peak hours.

- Verrazano-Narrows Bridge:

Throughout 2002, all trucks were required to use the upper level.

Eastbound lane closures were in effect on the Verrazano-Narrows Bridge according to the following schedule.

01/01-12/31:	10:00am - 3:00pm	Mon-Fri	2 e/b lanes closed, one each level.
--------------	------------------	---------	-------------------------------------

Westbound lane closures were in effect on the Verrazano-Narrows Bridge according to the following schedule.

03/09-12/31:	Round-the-clock	All days	1 w/b lower level lane closed.
--------------	-----------------	----------	--------------------------------

From January 1 to March 8, the westbound entrance ramp from 92nd Street in Brooklyn was closed weekdays between 6:00am and 3:00pm.

- George Washington Bridge:

Throughout 2002, trucks were required to use the upper level.

Multiple Upper Level lane closures were in effect according to the following schedule.

04/13-04/14:	10:00pm - 1:30am	Fri-Sat	3 of 4 upper level lanes closed in each direction.
	1:30am - 5:00am	Fri-Sat	all 4 upper level lanes closed in each direction.
	5:00am - 10:00am	Fri-Sat	3 of 4 upper level lanes closed in each direction.

Throughout 2002, there were intermittent closures of single lanes on the various George Washington Bridge roadways and ramps during off-peak hours.

- Holland Tunnel:

Immediately following the events of 9/11/2001, the tunnel was completely closed to Manhattan-bound traffic round-the-clock, except for emergency vehicles. The tunnel was open to New Jersey-bound traffic, but trucks were banned.

In mid-October, 2001, the tunnel was opened to Manhattan-bound traffic, but single-occupant passenger cars were banned round-the-clock. Trucks were banned in both directions round-the-clock.

As of November 29, 2001, single-occupant Manhattan-bound passenger cars were banned only on weekdays between 6:00-10:00am. The round-the-clock ban on trucks in both directions remained in effect.

As of April 6, 2002, the round-the-clock ban on Manhattan-bound trucks was discontinued. The ban on New Jersey-bound trucks remained in effect.

Throughout 2002, non-essential single-occupant vehicles were banned from entering Manhattan via the Holland Tunnel on weekdays between 6:00-10:00 am.

- Lincoln Tunnel:

From January 1 to April 21, 2002, non-essential single-occupant vehicles were banned from entering Manhattan via the Lincoln Tunnel on weekdays between 6:00-10:00 am.

Throughout 2002, one of the three tubes of the Lincoln Tunnel was closed according to the following schedule.

01/01-12/31: 11:00pm - 5:00am Mon-Fri,
12:30am - 8:00am Sat-Sun.

During these closures, two tubes remained open, providing two lanes of traffic in each direction.

- Bayonne Bridge:

Eastbound (to Staten Island) lane closures were in effect according to the following schedule.

01/01-10/18: 10:00pm - 6:00am Mon-Fri 1 e/b lane closed intermittently.

10/19-12/31: 7:00am - 4:00pm Mon-Fri 1 e/b lane closed intermittently.

Westbound (to New Jersey) lane closures were in effect according to the following schedule.

01/01-10/18: 10:00pm - 6:00am Mon-Fri 1 w/b lane closed intermittently.

10/19-12/31: 7:00am - 4:00pm Mon-Fri 1 w/b lane closed intermittently.

- Goethals Bridge:

Throughout 2002, the pedestrian walk was closed.

Eastbound (to Staten Island) lane closures were in effect according to the following schedule.

03/27-12/31: 10:00pm - 5:00am Mon-Fri 1 e/b lane closed intermittently,
10:00pm Fri - 6:00am Sat. 1 e/b lane closed intermittently.

Westbound (to New Jersey) lane closures were in effect according to the following schedule.

03/27-12/31:	10:00pm - 5:00am Mon-Fri	1 w/b lane closed intermittently,
	10:00pm Fri - 6:00am Sat.	1 w/b lane closed intermittently.

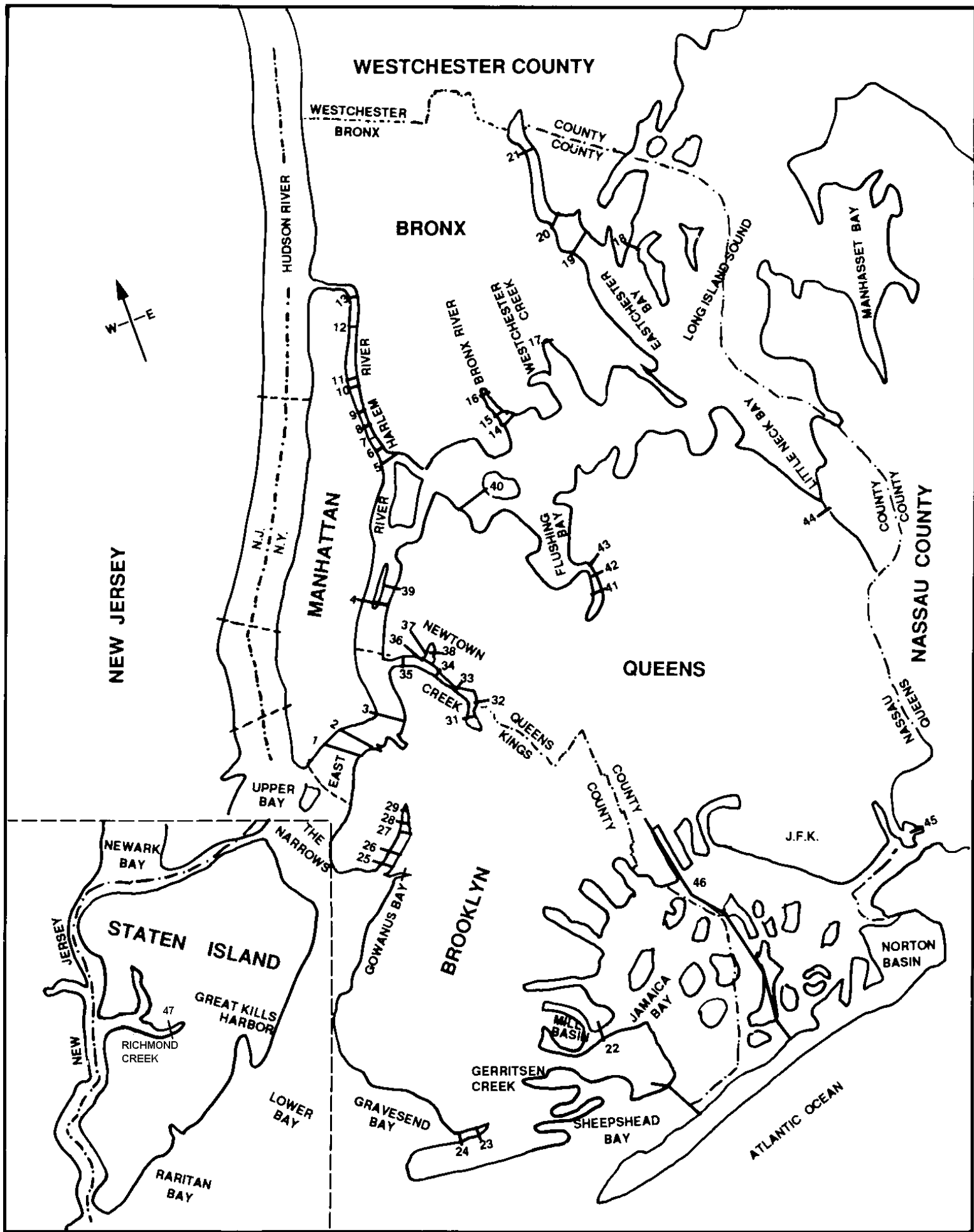
- Outerbridge Crossing:

The eastbound (to Staten Island) roadway was completely closed according the following schedule.

03/18-10/11:	9:30pm - 5:00am Mon-Fri	both eastbound lanes closed,
	11:59pm Fri - 8:00am Sat	both eastbound lanes closed,
	11:59pm Sat - 8:00am Sun	both eastbound lanes closed.

Bridges Maintained by the New York City Department of Transportation

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



Total NYC Toll Free Bridges
Average Daily Traffic Volumes
1948 - 2002

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

Total NYC Toll Free Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2002

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	1,538,730
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

N.Y.C. Bridges 2002
7am-7pm Vehicle Classification
Both Directions
page 1 of 2

<i>EAST RIVER BRIDGES</i>	Autos	Buses	Commuter		Commercial	Total
			Vans	Trucks	Vans	
Brooklyn	64,431	222	2,471	45	2,701	69,870
Manhattan	18,616	959	3,900	9,340	6,523	39,338
Queensboro	79,416	2,207	5,571	5,542	9,712	102,448
Williamsburg	40,391	1,136	9,682	6,090	5,009	62,308
Total East River	202,854	4,524	21,624	21,017	23,945	273,964

HARLEM RIVER BRIDGES

Alexander Hamilton	83,271	263	2,228	14,284	3,118	103,164
Broadway	24,832	790	408	781	947	27,758
Macombs Dam	10,938	164	135	535	951	12,723
Madison Avenue	27,027	1,461	1,360	1,584	1,994	33,426
Third Avenue	28,557	730	2,315	2,720	2,560	36,882
University Heights	26,270	349	920	1,016	1,613	30,168
Washington	36,511	1,082	978	1,201	1,633	41,405
Willis Avenue	35,834	732	1,228	2,657	3,143	43,594
145th Street	20,833	619	842	1,118	1,002	24,414
Total Harlem River	294,073	6,190	10,414	25,896	16,961	353,534

BROOKLYN-QUEENS BRIDGES

Grand Street	7,135	202	364	1,802	517	10,020
Greenpoint Avenue	13,731	227	690	3,475	1,478	19,601
Kosciuszko	98,810	421	2,002	8,812	7,260	117,305
Pulaski	20,144	355	791	3,524	2,686	27,500
Total Brooklyn-Queens	139,820	1,205	3,847	17,613	11,941	174,426

BRONX BRIDGES

City Island	10,637	177	126	236	551	11,727
East 174th Street	8,321	483	273	314	442	9,833
Eastchester	15,154	274	155	1,109	624	17,316
Eastern Boulevard	108,321	1,312	1,598	6,473	3,708	121,412
Hutchinson River Pky	74,234	63	976	1,388	1,493	78,154
Pelham	9,960	236	145	489	478	11,308
Unionport	33,351	503	412	1,869	1,343	37,478
Westchester Avenue	18,906	847	119	539	936	21,347
Total Bronx	278,884	3,895	3,804	12,417	9,575	308,575

East River bridges based on 1996 classification data.
All other bridges based on 1989 classification data.

N.Y.C. Bridges 2002
7am-7pm Vehicle Classification
Both Directions
page 2 of 2

BROOKLYN BRIDGES	Autos	Buses	Commuter		Commercial		Total
			Vans	Trucks	Vans	Trucks	
Carroll Street	488	3	101	208	182		982
Cropsey Avenue	20,146	1,169	27	1,009	1,371		23,722
Hamilton Avenue	32,537	626	1,408	4,924	4,102		43,597
Metropolitan Avenue	20,866	484	862	3,960	1,817		27,989
Mill Basin	92,231	623	297	1,430	4,258		98,839
Ninth Street	4,709	287	101	726	381		6,204
Stillwell Avenue	5,751	598	0	1,118	0		7,467
Third Avenue	12,556	201	5	1,550	1,278		15,590
Third Street	6,939	86	137	581	491		8,234
Union Street	2,799	45	0	204	247		3,295
Total Brooklyn	199,022	4,122	2,938	15,710	14,127		235,919

QUEENS BRIDGES

Borden Avenue	8,854	242	233	1,539	779		11,647
Flushing	37,192	396	705	2,101	3,778		44,172
Hook Creek	44,389	205	1,078	1,812	1,299		48,783
Hunters Point	4,564	69	159	570	634		5,996
Little Neck	41,008	523	674	1,386	1,624		45,215
Midtown Highway	46,597	1,297	1,311	2,286	3,333		54,824
North Channel	13,691	376	154	757	1,074		16,052
Rikers Island	7,475	356	228	367	375		8,801
Roosevelt Avenue	13,323	473	233	609	759		15,397
Roosevelt Island	5,756	188	144	229	171		6,488
Whitestone Expwy	108,698	1,185	3,456	7,567	6,161		127,067
Total Queens	331,547	5,310	8,375	19,223	19,987		384,442

STATEN ISLAND

Fresh Kills	38,475	1,508	2,297	4,141	1,540		47,961
-------------	--------	-------	-------	-------	-------	--	--------

GRAND TOTALS	1,484,675	26,754	53,299	116,017	98,076		1,778,821
---------------------	------------------	---------------	---------------	----------------	---------------	--	------------------

2001-2002 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
page 1 of 3

<i>EAST RIVER BRIDGES</i>	Highway Functional Classification	2001	2002	Percent Change
Brooklyn	Principal Arterial	95,586	121,145	26.7 %
Manhattan	Principal Arterial	73,064	66,152	- 9.5 %
Queensboro	Principal Arterial	176,469	176,419	- 0.0 %
Williamsburg	Principal Arterial	82,202	103,364	25.7 %
Total East River		427,321	467,080	9.3 %

HARLEM RIVER BRIDGES

Alexander Hamilton	Interstate	168,605	168,079	- 0.3 %
Broadway	Principal Arterial	41,175	38,287	- 7.0 %
Macombs Dam	Principal Arterial	39,615	18,878	-52.3 %
Madison Avenue	Principal Arterial	43,331	49,487	14.2 %
Third Avenue	Principal Arterial	72,756	58,949	-19.0 %
University Heights	Principal Arterial	46,381	45,311	- 2.3 %
Washington	Minor Arterial	57,443	63,609	10.7 %
Willis Avenue	Principal Arterial	72,901	73,435	0.7 %
145th Street	Minor Arterial	26,552	35,796	34.8 %
Total Harlem River		568,759	551,831	- 3.0 %

BROOKLYN-QUEENS BRIDGES

Grand Street	Principal Arterial	13,895	13,088	- 5.8 %
Greenpoint Avenue	Principal Arterial	26,766	26,306	- 1.7 %
Kosciuszko	Interstate	196,565	184,379	- 6.2 %
Pulaski	Principal Arterial	39,062	38,348	- 1.8 %
Total Brooklyn-Queens		276,288	262,121	- 5.1 %

BRONX BRIDGES

City Island	Minor Arterial	20,012	16,637	-16.9 %
East 174th Street	Minor Arterial	12,093	12,786	5.7 %
Eastchester	Principal Arterial	22,810	22,255	- 2.4 %
Eastern Boulevard	Interstate	169,437	178,983	5.6 %
Hutchinson River	Principal Arterial	108,191	110,141	1.8 %
Pelham	Minor Arterial	22,694	15,663	-31.0 %
Unionport	Principal Arterial	52,418	51,347	- 2.0 %
Westchester Avenue	Principal Arterial	31,584	29,551	- 6.4 %
Total Bronx		439,239	437,363	- 0.4 %

2001-2002 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
page 2 of 3

BROOKLYN BRIDGES	Highway Functional Classification	2001	2002	Percent Change
Carroll Street	Local	1,280	1,248	- 2.5 %
Cropsey Avenue	Principal Arterial	33,725	33,325	- 1.2 %
Hamilton Avenue	Principal Arterial	60,808	60,075	- 1.2 %
Metropolitan Avenue	Principal Arterial	39,930	39,944	0.0 %
Mill Basin	Principal Arterial	146,602	142,105	- 3.1 %
Ninth Street	Minor Arterial	7,898	8,399	6.3 %
Stillwell Avenue	Principal Arterial	9,246	9,534	3.1 %
Third Avenue	Principal Arterial	21,461	20,538	- 4.3 %
Third Street	Minor Arterial	9,855	10,146	3.0 %
Union Street	Minor Arterial	4,599	4,435	- 3.6 %
Total Brooklyn		335,404	329,749	- 1.7 %
QUEENS BRIDGES				
Borden Avenue	Minor Arterial	15,780	15,788	0.1 %
Flushing	Principal Arterial	62,364	64,301	3.1 %
Hook Creek	Principal Arterial	72,027	69,963	- 2.9 %
Hunters Point	Collector	8,261	7,822	- 5.3 %
Little Neck	Principal Arterial	53,423	58,529	9.6 %
Midtown Highway	Interstate	82,431	81,392	- 1.3 %
North Channel	Principal Arterial	20,785	22,779	9.6 %
Rikers Island	Collector	14,503	13,447	- 7.3 %
Roosevelt Avenue	Principal Arterial	22,856	22,235	- 2.7 %
Roosevelt Island	Collector	9,655	9,444	- 2.2 %
Whitestone Expwy	Interstate	189,031	188,758	- 0.1 %
Total Queens		551,116	554,458	0.6 %
STATEN ISLAND				
Fresh Kills	Principal Arterial	67,465	64,563	- 4.3 %
TOLL-FREE GRAND TOTALS		2,665,592	2,667,165	0.1 %

2001-2002 Traffic Volume Trends
N.Y.C. Bridges and Tunnels
Both Directions
page 3 of 3

<i>MTABT Manhattan Facilities</i>	Highway Functional Classification	2001	2002	Percent Change
Brooklyn-Battery Tunnel	Interstate	13,762	56,976	314.0 %
Henry Hudson Bridge	Principal Arterial	69,087	70,731	2.4 %
Queens-Midtown Tunnel	Interstate	72,864	82,834	13.7 %
Triborough Bridge Manhattan Plaza	Principal Arterial	102,224	94,759	- 7.3 %
Total MTABT Manhattan		257,937	305,300	18.4 %

<i>PANYNJ Manhattan Facilities</i>				
George Washington Bridge	Interstate	309,310	310,771	0.5 %
Holland Tunnel	Interstate	43,377	92,557	113.4 %
Lincoln Tunnel	Principal Arterial	106,257	129,511	21.9 %
Total Manhattan - New Jersey		458,944	532,839	16.1 %

<i>MTABT Outer Borough Bridges</i>				
Bronx-Whitestone	Interstate	111,764	123,258	10.3 %
Cross Bay	Minor Arterial	19,626	20,010	2.0 %
Marine Parkway	Minor Arterial	19,527	21,684	11.0 %
Throgs Neck	Interstate	104,429	104,535	0.1 %
Triborough Bridge Bronx Plaza	Interstate	77,631	72,259	- 6.9 %
Verrazano-Narrows	Interstate	218,971	212,491	- 3.0 %
Total MTABT Outer Boroughs		551,948	554,237	0.4 %

<i>PANYNJ Staten Island Bridges</i>				
Bayonne	Principal Arterial	23,631	21,327	- 9.7 %
Goethals	Interstate	78,196	81,384	4.1 %
Outerbridge Crossing	Principal Arterial	75,424	76,429	1.3 %
Total Staten Island - New Jersey		177,251	179,140	1.1 %

**10-Year Traffic Growth Rate Trends
N.Y.C. Bridges
1952-2002**

Page 1 of 3

East River Bridges	1952-1962	1962-1972	1972-1982	1982-1992	1992-2002
Brooklyn	14.1%	3.0%	0.2%	1.6%	- 1.0%
Manhattan	- 4.5%	2.9%	1.3%	- 2.5%	- 0.5%
Queensboro	1.3%	1.7%	- 0.6%	0.4%	2.9%
Williamsburg	1.4%	- 1.2%	0.5%	2.3%	1.1%
Total	1.5%	1.6%	0.2%	0.6%	0.9%

Harlem River Bridges					
Alexander Hamilton	<i>Opened January 1963</i>		1.1%	1.6%	- 0.4%
Broadway	3.2%	2.2%	2.4%	3.0%	1.0%
Macombs Dam	3.1%	0.8%	0.7%	- 1.2%	- 4.1%
Madison Avenue	- 0.7%	0.0%	- 0.2%	0.2%	7.2%
Third Avenue	7.1%	- 2.5%	0.2%	0.8%	0.0%
University Heights	7.0%	- 0.3%	- 0.3%	- 0.2%	3.1%
Washington	7.5%	- 3.2%	- 0.4%	2.4%	1.9%
Willis Avenue	4.6%	- 1.1%	0.3%	0.6%	1.0%
145th Street	1.3%	- 2.3%	- 0.3%	0.7%	2.9%
Total	4.4%	2.6%	0.5%	1.1%	0.7%

Brooklyn-Queens Bridges					
Grand Street	5.2%	1.8%	- 2.5%	3.3%	0.9%
Greenpoint Avenue	- 2.6%	4.3%	- 6.2%	3.6%	0.5%
Kosciuszko	7.5%	2.4%	2.3%	1.3%	2.0%
Pulaski	- 0.7%	0.0%	- 2.3%	0.6%	4.7%
Total	3.7%	2.2%	0.5%	1.6%	2.1%

Bronx Bridges					
City Island	5.4%	2.5%	- 0.6%	4.0%	3.4%
East 174th Street	0.2%	0.0%	- 6.8%	6.7%	- 2.6%
Eastchester	- 7.3%	10.8%	- 2.4%	0.7%	1.3%
Eastern Blvd	1.1%	5.1%	0.0%	- 0.7%	4.1%
Hutchinson River Pkwy	1.7%	3.4%	3.0%	2.8%	4.1%
Pelham	5.7%	5.4%	n/a	n/a	- 1.6%
Unionport	13.9%	0.3%	- 3.8%	- 0.1%	2.9%
Westchester Avenue	- 2.6%	2.5%	- 1.3%	3.0%	3.1%
Total	3.8%	2.7%	- 0.6%	1.7%	3.1%

**10-Year Traffic Growth Rate Trends
N.Y.C. Bridges
1952-2002**

Page 2 of 3

Brooklyn Bridges	1952-1962	1962-1972	1972-1982	1982-1992	1992-2002
Carroll Street	16.6%	-10.6%	1.5%	- 4.7%	0.4%
Cropsey Avenue	4.0%	2.8%	- 0.9%	0.6%	2.0%
Hamilton Avenue	4.9%	- 0.3%	0.2%	1.2%	1.3%
Metropolitan Avenue	4.0%	3.7%	1.7%	0.6%	1.0%
Mill Basin	6.7%	3.8%	1.1%	2.4%	1.3%
Ninth Street	3.8%	- 3.5%	2.0%	0.1%	3.6%
Stillwell Avenue	2.2%	1.0%	0.5%	n/a	0.3%
Third Avenue	0.3%	- 2.3%	2.2%	4.4%	- 1.1%
Third Street	16.4%	- 6.9%	n/a	n/a	3.6%
Union Street	2.1%	- 1.9%	- 4.3%	- 5.8%	- 0.9%
Total	5.0%	1.4%	0.6%	1.7%	1.1%
Queens Bridges					
Borden Avenue	4.5%	0.7%	5.2%	- 4.0%	1.0%
Flushing	- 2.0%	2.5%	- 1.2%	1.2%	1.2%
Hook Creek	9.0%	2.8%	0.2%	2.0%	1.5%
Hunters Point Avenue	2.8%	0.4%	n/a	n/a	- 1.0%
Little Neck Pkwy	- 2.9%	4.7%	0.4%	- 0.9%	1.5%
Midtown Highway	7.2%	2.6%	4.1%	- 3.3%	2.1%
North Channel	5.2%	1.8%	- 1.4%	1.5%	2.2%
Rikers Island <i>Opened 11/22/1966</i>			4.8%	7.9%	0.0%
Roosevelt Avenue	1.3%	- 1.6%	- 1.4%	3.2%	- 1.2%
Roosevelt Island <i>Opened 05/18/1955</i>		8.7%	0.5%	1.9%	- 0.3%
Whitestone Expwy	0.4%	9.6%	0.5%	1.4%	3.3%
Total	2.2%	4.4%	0.7%	0.7%	1.9%
Staten Island Bridges					
Fresh Kills	1.3%	10.4%	6.1%	- 1.9%	4.2%
TOLL FREE GRAND TOTAL	3.2%	2.6%	0.4%	1.1%	1.6%

**10-Year Traffic Growth Rate Trends
N.Y.C. Tolled Facilities
1952-2002**

Page 3 of 3

Manhattan MTABT Facilities	1952-1962	1962-1972	1972-1982	1982-1992	1992-2002
Brooklyn-Battery Tunnel	0.7%	2.1%	2.4%	0.7%	- 2.9%
Henry Hudson Bridge	- 1.8%	- 1.7%	- 2.7%	6.8%	2.1%
Queens-Midtown Tunnel	6.6%	1.9%	0.7%	0.2%	0.5%
Triborough (Manhattan Plz)	2.2%	3.7%	1.4%	0.6%	1.0%
Total	1.7%	1.8%	0.8%	1.5%	0.4%

Manhattan PANYNJ Facilities					
George Washington Bridge	3.0%	6.4%	1.3%	0.6%	2.3%
Holland Tunnel	1.0%	0.1%	1.1%	2.3%	- 1.5%
Lincoln Tunnel	4.4%	1.9%	1.1%	0.6%	0.4%
Total	2.9%	3.9%	1.2%	0.9%	1.1%

Outer Borough MTABT Bridges					
Bronx-Whitestone	- 0.2%	5.4%	1.1%	0.2%	2.3%
Cross Bay	0.6%	1.0%	- 3.2%	0.8%	3.5%
Marine Parkway	1.3%	2.5%	- 2.6%	1.6%	0.0%
Throgs Neck	<i>Opened 1961</i>	2.6%	0.0%	0.4%	0.3%
Triborough (Bronx Plz)	2.2%	3.6%	- 0.8%	0.2%	0.6%
Verrazano-Narrows	<i>Opened 11/21/1964</i>		3.1%	2.5%	1.9%
Total	2.5%	7.1%	0.8%	1.1%	1.5%

Staten Island PANYNJ Bridges					
Bayonne	- 0.5%	4.9%	1.1%	- 1.0%	5.7%
Goethals	5.1%	18.7%	- 2.1%	2.6%	2.8%
Outerbridge Crossing	1.9%	4.3%	19.6%	3.9%	1.7%
Total	2.4%	12.3%	3.3%	2.8%	2.6%

East River Bridges
Average Daily Traffic Volumes
1948 - 2002

<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

Hourly Vehicular Volumes Brooklyn Bridge - 2002

	<i>Eastbound to Brooklyn</i>						<i>Westbound to Manhattan</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	2,696	---	---	---	---	---	1,634	4,330
1-2am	---	---	---	---	---	1,705	---	---	---	---	---	991	2,696
2-3am	---	---	---	---	---	1,073	---	---	---	---	---	667	1,740
3-4am	---	---	---	---	---	815	---	---	---	---	---	653	1,468
4-5am	---	---	---	---	---	841	---	---	---	---	---	1,078	1,919
5-6am	---	---	---	---	---	1,155	---	---	---	---	---	2,550	3,705
6-7am	---	---	---	---	---	2,161	---	---	---	---	---	3,217	5,378
7-8am	2,354	2	101	1	62	2,520	3,174	16	31	3	221	3,445 **	5,965
8-9am	2,403	27	113	0	80	2,623	3,134	5	51	7	190	3,387	6,010
9-10am	2,129	18	70	2	125	2,344	2,577	4	49	4	248	2,882	5,226
10-11am	2,083	4	83	0	125	2,295	2,710	3	124	7	151	2,995	5,290
11-12am	2,008	1	83	0	63	2,155	2,372	6	133	4	148	2,663	4,818
12-1pm	2,137	1	105	2	106	2,351	2,627	0	118	3	119	2,867	5,218
1-2pm	2,227	1	130	0	94	2,452	2,512	52	125	2	135	2,826	5,278
2-3pm	2,764	10	81	1	106	2,962	2,860	5	179	1	117	3,162	6,124
3-4pm	3,175	19	57	0	67	3,318	2,931	10	128	0	120	3,189	6,507
4-5pm	3,235	10	83	0	34	3,362	2,803	5	202	1	96	3,107	6,469
5-6pm	3,384	3	87	1	22	3,497 **	2,788	14	146	1	137	3,086	6,583 **
6-7pm	3,277	3	67	4	39	3,390	2,767	3	125	1	96	2,992	6,382
7-8pm	---	---	---	---	---	3,306	---	---	---	---	---	2,957	6,263
8-9pm	---	---	---	---	---	3,428	---	---	---	---	---	2,891	6,319
9-10pm	---	---	---	---	---	3,251	---	---	---	---	---	2,885	6,136
10-11pm	---	---	---	---	---	3,076	---	---	---	---	---	2,613	5,689
11-12pm	---	---	---	---	---	3,159	---	---	---	---	---	2,473	5,632
Totals	---	---	---	---	---	59,935	---	---	---	---	---	61,210	121,145
7-10am	6,886	47	284	3	267	7,487	8,885	25	131	14	659	9,714	17,201
10am-1pm	6,228	6	271	2	294	6,801	7,709	9	375	14	418	8,525	15,326
1-4pm	8,166	30	268	1	267	8,732	8,303	67	432	3	372	9,177	17,909
4-7pm	9,896	16	237	5	95	10,249	8,358	22	473	3	329	9,185	19,434
7am-7pm	31,176	99	1,060	11	923	33,269	33,255	123	1,411	34	1,778	36,601	69,870

Based on October 1996 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Manhattan Bridge - 2002

	<i>Eastbound to Brooklyn</i>						<i>Westbound to Manhattan</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	1,463	---	---	---	---	---	798	2,261
1-2am	---	---	---	---	---	1,023	---	---	---	---	---	716	1,739
2-3am	---	---	---	---	---	718	---	---	---	---	---	478	1,196
3-4am	---	---	---	---	---	623	---	---	---	---	---	484	1,107
4-5am	---	---	---	---	---	642	---	---	---	---	---	585	1,227
5-6am	---	---	---	---	---	713	---	---	---	---	---	1,257	1,970
6-7am	---	---	---	---	---	1,078	---	---	---	---	---	2,048	3,126
7-8am	642	52	129	375	127	1,325	1,263	81	184	379	337	2,244	3,569
8-9am	730	133	131	444	151	1,589	1,054	31	176	384	393	2,038	3,627
9-10am	513	81	157	466	178	1,395	743	26	123	452	354	1,698	3,093
10-11am	562	24	158	505	228	1,477	570	25	119	530	295	1,539	3,016
11-12am	524	22	136	447	216	1,345	554	24	122	436	281	1,417	2,762
12-1pm	517	19	98	436	300	1,370	642	30	163	415	167	1,417	2,787
1-2pm	509	24	184	434	315	1,466	681	36	144	465	173	1,499	2,965
2-3pm	638	18	210	429	326	1,621	704	24	99	348	281	1,456	3,077
3-4pm	835	65	264	462	357	1,983	680	36	149	240	204	1,309	3,292
4-5pm	1,024	50	235	402	474	2,185	832	23	97	253	215	1,420	3,605
5-6pm	1,237	41	236	379	512	2,405	962	37	157	202	174	1,532	3,937
6-7pm	1,229	37	317	333	336	2,252	971	20	112	124	129	1,356	3,608
7-8pm	---	---	---	---	---	2,040	---	---	---	---	---	1,240	3,280
8-9pm	---	---	---	---	---	1,803	---	---	---	---	---	1,151	2,954
9-10pm	---	---	---	---	---	1,563	---	---	---	---	---	1,122	2,685
10-11pm	---	---	---	---	---	1,595	---	---	---	---	---	1,072	2,667
11-12pm	---	---	---	---	---	1,554	---	---	---	---	---	1,048	2,602
Totals	---	---	---	---	---	35,228	---	---	---	---	---	30,924	66,152
7-10am	1,885	266	417	1,285	456	4,309	3,060	138	483	1,215	1,084	5,980	10,289
10am-1pm	1,603	65	392	1,388	744	4,192	1,766	79	404	1,381	743	4,373	8,565
1-4pm	1,982	107	658	1,325	998	5,070	2,065	96	392	1,053	658	4,264	9,334
4-7pm	3,490	128	788	1,114	1,322	6,842	2,765	80	366	579	518	4,308	11,150
7am-7pm	8,960	566	2,255	5,112	3,520	20,413	9,656	393	1,645	4,228	3,003	18,925	39,338

Based on October 1996 Classification Survey Dat

** Peak Volumes

Hourly Vehicular Volumes Queensboro Bridge - 2002

	Eastbound to Queens						Westbound to Manhattan						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	4,046	---	---	---	---	---	2,040	6,086
1-2am	---	---	---	---	---	2,625	---	---	---	---	---	1,355	3,980
2-3am	---	---	---	---	---	1,744	---	---	---	---	---	1,069	2,813
3-4am	---	---	---	---	---	1,369	---	---	---	---	---	1,274	2,643
4-5am	---	---	---	---	---	1,569	---	---	---	---	---	1,964	3,533
5-6am	---	---	---	---	---	2,096	---	---	---	---	---	4,068	6,164
6-7am	---	---	---	---	---	3,017	---	---	---	---	---	6,388	9,405
7-8am	2,491	116	243	101	166	3,117	5,286	110	293	295	757	6,741	** 9,858
8-9am	2,225	168	241	168	148	2,950	4,240	66	292	355	888	5,841	8,791
9-10am	1,859	172	212	225	184	2,652	3,327	55	337	281	661	4,661	7,313
10-11am	2,359	75	175	215	296	3,120	2,729	55	244	341	523	3,892	7,012
11-12am	2,367	70	260	212	415	3,324	2,632	80	278	274	414	3,678	7,002
12-1pm	2,629	82	189	183	437	3,520	2,941	46	233	215	314	3,749	7,269
1-2pm	2,486	61	304	274	473	3,598	3,020	94	232	237	265	3,848	7,446
2-3pm	3,126	64	192	348	462	4,192	3,136	66	234	187	418	4,041	8,233
3-4pm	4,117	135	152	398	542	5,344	3,388	38	255	136	287	4,104	9,448
4-5pm	4,842	175	185	433	623	6,258	** 3,705	36	218	123	226	4,308	** 10,566
5-6pm	4,436	190	174	312	515	5,627	3,891	32	150	54	153	4,280	9,907
6-7pm	4,343	164	240	101	361	5,209	3,841	57	238	74	184	4,394	9,603
7-8pm	---	---	---	---	---	4,752	---	---	---	---	---	3,948	8,700
8-9pm	---	---	---	---	---	4,718	---	---	---	---	---	3,325	8,043
9-10pm	---	---	---	---	---	4,407	---	---	---	---	---	3,213	7,620
10-11pm	---	---	---	---	---	4,298	---	---	---	---	---	3,172	7,470
11-12pm	---	---	---	---	---	4,593	---	---	---	---	---	2,921	7,514
Totals	---	---	---	---	---	88,145	---	---	---	---	---	88,274	176,419
7-10am	6,575	456	696	494	498	8,719	12,853	231	922	931	2,306	17,243	25,962
10am-1pm	7,355	227	624	610	1,148	9,964	8,302	181	755	830	1,251	11,319	21,283
1-4pm	9,729	260	648	1,020	1,477	13,134	9,544	198	721	560	970	11,993	25,127
4-7pm	13,621	529	599	846	1,499	17,094	11,437	125	606	251	563	12,982	30,076
7am-7pm	37,280	1,472	2,567	2,970	4,622	48,911	42,136	735	3,004	2,572	5,090	53,537	102,448

Based on October 1996 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Williamsburg Bridge - 2002

	<i>Eastbound to Brooklyn</i>						<i>Westbound to Manhattan</i>						2-Way Totals
	Autos	Commuter Buses	Vans	Trucks	Commercial Vans	Totals	Autos	Commuter Buses	Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	1,994	---	---	---	---	---	1,249	3,243
1-2am	---	---	---	---	---	1,221	---	---	---	---	---	852	2,073
2-3am	---	---	---	---	---	869	---	---	---	---	---	754	1,623
3-4am	---	---	---	---	---	662	---	---	---	---	---	774	1,436
4-5am	---	---	---	---	---	756	---	---	---	---	---	1,071	1,827
5-6am	---	---	---	---	---	1,014	---	---	---	---	---	2,188	3,202
6-7am	---	---	---	---	---	1,576	---	---	---	---	---	3,160	4,736
7-8am	1,350	22	221	165	101	1,859	2,192	101	481	339	364	3,477 **	5,336
8-9am	1,293	114	225	187	142	1,961	1,950	41	494	288	421	3,194	5,155
9-10am	1,021	76	299	183	122	1,701	1,951	42	477	296	316	3,082	4,783
10-11am	1,105	42	264	409	76	1,896	1,799	34	485	291	274	2,883	4,779
11-12am	1,074	21	272	399	106	1,872	1,551	34	456	293	286	2,620	4,492
12-1pm	1,154	13	326	290	161	1,944	1,487	31	396	219	270	2,403	4,347
1-2pm	1,244	22	328	325	153	2,072	1,439	69	559	245	216	2,528	4,600
2-3pm	1,289	27	397	298	53	2,064	2,018	46	488	195	250	2,997	5,061
3-4pm	1,971	71	441	364	172	3,019	2,019	36	390	191	241	2,877	5,896
4-5pm	2,173	89	406	345	194	3,207	1,960	37	472	128	216	2,813	6,020
5-6pm	2,260	70	427	258	243	3,258 **	2,007	40	474	135	226	2,882	6,140 **
6-7pm	2,275	25	375	132	187	2,994	1,809	33	529	115	219	2,705	5,699
7-8pm	---	---	---	---	---	2,877	---	---	---	---	---	2,448	5,325
8-9pm	---	---	---	---	---	2,610	---	---	---	---	---	2,177	4,787
9-10pm	---	---	---	---	---	2,439	---	---	---	---	---	2,115	4,554
10-11pm	---	---	---	---	---	2,227	---	---	---	---	---	1,934	4,161
11-12pm	---	---	---	---	---	2,259	---	---	---	---	---	1,830	4,089
Totals	---	---	---	---	---	48,351	---	---	---	---	---	55,013	103,364
7-10am	3,664	212	745	535	365	5,521	6,093	184	1,452	923	1,101	9,753	15,274
10am-1pm	3,333	76	862	1,098	343	5,712	4,837	99	1,337	803	830	7,906	13,618
1-4pm	4,504	120	1,166	987	378	7,155	5,476	151	1,437	631	707	8,402	15,557
4-7pm	6,708	184	1,208	735	624	9,459	5,776	110	1,475	378	661	8,400	17,859
7am-7pm	18,209	592	3,981	3,355	1,710	27,847	22,182	544	5,701	2,735	3,299	34,461	62,308

Based on October 1996 Classification Survey Data

** Peak Volumes

**Harlem River Bridges
Average Daily Traffic Volumes
1948 - 2002**

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	Bridge Opened Jan. 1963	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	137,931	23,232	40,489	28,891	50,548
1972	142,139	25,178	39,702	28,923	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	175,278	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

**Harlem River Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2002**

Year	University Heights	Washington	Willis Avenue	145th Street	Totals
1948	21,706	29,374	29,648	18,196	207,177
1949	14,098	32,122	42,772	25,908	193,510
1950	24,986	29,541	38,708	22,416	222,671
1951	25,270	28,599	35,958	26,872	249,199
1952	21,527	28,270	33,207	24,189	222,196
1953	29,240	37,298	38,579	29,385	248,629
1954	22,979	39,339	46,675	26,119	236,056
1955	18,151	33,988	44,809	35,449	250,239
1956	21,834	30,598	43,752	30,550	266,781
1957	34,077	38,861	51,395	28,114	316,530
1958	37,078	50,100	49,773	25,677	329,747
1959	33,580	51,652	58,705	39,709	342,349
1960	36,763	54,008	59,050	30,888	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	61,453	23,580	429,690
1971	29,622	33,522	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	521,862
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

**Hourly Vehicular Volumes
Alexander Hamilton Bridge - 2002**

	Eastbound to Bronx						Westbound to Manhattan						2-Way Totals
	Autos	Commuter Buses	Vans	Trucks	Commercial Vans	Totals	Autos	Commuter Buses	Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	1,496	---	---	---	---	---	2,254	3,750
1-2am	---	---	---	---	---	1,260	---	---	---	---	---	1,705	2,965
2-3am	---	---	---	---	---	1,313	---	---	---	---	---	1,456	2,769
3-4am	---	---	---	---	---	1,507	---	---	---	---	---	1,404	2,911
4-5am	---	---	---	---	---	1,845	---	---	---	---	---	1,675	3,520
5-6am	---	---	---	---	---	3,115	---	---	---	---	---	2,539	5,654
6-7am	---	---	---	---	---	4,850 **	---	---	---	---	---	4,092	8,942
7-8am	3,697	12	214	706	107	4,736	4,035	9	86	429	212	4,771	9,507 **
8-9am	3,332	4	218	837	194	4,585	4,096	34	34	475	151	4,790 **	9,375
9-10am	3,106	4	199	1,018	112	4,439	3,499	50	29	768	204	4,550	8,989
10-11am	3,719	3	88	291	42	4,143	3,806	27	17	411	138	4,399	8,542
11-12am	3,096	9	222	688	114	4,129	2,879	12	18	897	255	4,061	8,190
12-1pm	3,696	0	104	417	46	4,263	3,596	10	9	502	127	4,244	8,507
1-2pm	2,915	6	139	695	69	3,824	3,002	11	21	781	204	4,019	7,843
2-3pm	3,221	5	172	669	95	4,162	2,931	16	36	786	158	3,927	8,089
3-4pm	3,952	7	80	308	87	4,434	3,378	18	14	397	73	3,880	8,314
4-5pm	3,841	6	144	480	110	4,581	3,134	3	36	791	191	4,155	8,736
5-6pm	3,886	5	109	366	91	4,457	3,235	2	26	721	141	4,125	8,582
6-7pm	3,661	8	192	420	74	4,355	3,558	2	21	431	123	4,135	8,490
7-8pm	---	---	---	---	---	3,934	---	---	---	---	---	4,318	8,252
8-9pm	---	---	---	---	---	3,836	---	---	---	---	---	3,822	7,658
9-10pm	---	---	---	---	---	3,476	---	---	---	---	---	3,538	7,014
10-11pm	---	---	---	---	---	3,191	---	---	---	---	---	3,122	6,313
11-12pm	---	---	---	---	---	2,279	---	---	---	---	---	2,888	5,167
Totals	---	---	---	---	---	84,210	---	---	---	---	---	83,869	168,079
7-10am	10,135	20	631	2,561	413	13,760	11,630	93	149	1,672	567	14,111	27,871
10am-1pm	10,511	12	414	1,396	202	12,535	10,281	49	44	1,810	520	12,704	25,239
1-4pm	10,088	18	391	1,672	251	12,420	9,311	45	71	1,964	435	11,826	24,246
4-7pm	11,388	19	445	1,266	275	13,393	9,927	7	83	1,943	455	12,415	25,808
7am-7pm	42,122	69	1,881	6,895	1,141	52,108	41,149	194	347	7,389	1,977	51,056	103,164

Based on 1989 Classification Survey Data

** Peak Volumes

**Hourly Vehicular Volumes
Broadway Bridge - 2002**

	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	---	---	---	---	---	339	---	---	---	---	---	286	625
1-2am	---	---	---	---	---	242	---	---	---	---	---	182	424
2-3am	---	---	---	---	---	143	---	---	---	---	---	103	246
3-4am	---	---	---	---	---	95	---	---	---	---	---	91	186
4-5am	---	---	---	---	---	113	---	---	---	---	---	154	267
5-6am	---	---	---	---	---	235	---	---	---	---	---	390	625
6-7am	---	---	---	---	---	459	---	---	---	---	---	941	1,400
7-8am	642	36	19	64	27	788	1,529	70	48	35	51	1,733	2,521
8-9am	844	61	21	37	28	991	1,702	58	39	60	58	1,917	2,908
9-10am	652	23	3	26	58	762	1,045	40	30	62	47	1,224	1,986
10-11am	699	17	2	36	24	778	878	23	13	41	10	965	1,743
11-12am	717	22	9	29	44	821	785	26	26	56	57	950	1,771
12-1pm	790	23	6	23	25	867	963	24	5	20	13	1,025	1,892
1-2pm	826	25	3	28	29	911	962	27	10	22	18	1,039	1,950
2-3pm	895	25	1	38	76	1,035	1,057	33	25	37	19	1,171	2,206
3-4pm	1,145	28	10	15	38	1,236	1,303	37	15	21	12	1,388	2,624
4-5pm	1,197	42	29	25	58	1,351	1,207	32	22	38	37	1,336	2,687
5-6pm	1,296	30	9	13	68	1,416	1,303	33	34	21	26	1,417	2,833
6-7pm	1,172	22	0	13	115	1,322	1,223	33	29	21	9	1,315	2,637
7-8pm	---	---	---	---	---	1,049	---	---	---	---	---	1,046	2,095
8-9pm	---	---	---	---	---	783	---	---	---	---	---	755	1,538
9-10pm	---	---	---	---	---	630	---	---	---	---	---	634	1,264
10-11pm	---	---	---	---	---	484	---	---	---	---	---	535	1,019
11-12pm	---	---	---	---	---	423	---	---	---	---	---	417	840
Totals	---	---	---	---	---	17,273	---	---	---	---	---	21,014	38,287
7-10am	2,138	120	43	127	113	2,541	4,276	168	117	157	156	4,874	7,415
10am-1pm	2,206	62	17	88	93	2,466	2,626	73	44	117	80	2,940	5,406
1-4pm	2,866	78	14	81	143	3,182	3,322	97	50	80	49	3,598	6,780
4-7pm	3,665	94	38	51	241	4,089	3,733	98	85	80	72	4,068	8,157
7am-7pm	10,875	354	112	347	590	12,278	13,957	436	296	434	357	15,480	27,758

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Macombs Dam Bridge - 2002

	Eastbound to Bronx						Westbound to Manhattan						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	200	---	---	---	---	---	185	385
1-2am	---	---	---	---	---	131	---	---	---	---	---	119	250
2-3am	---	---	---	---	---	86	---	---	---	---	---	96	182
3-4am	---	---	---	---	---	73	---	---	---	---	---	78	151
4-5am	---	---	---	---	---	72	---	---	---	---	---	89	161
5-6am	---	---	---	---	---	118	---	---	---	---	---	148	266
6-7am	---	---	---	---	---	223	---	---	---	---	---	335	558
7-8am	353	14	9	22	32	430	479	15	2	34	91	621	1,051
8-9am	453	6	8	28	46	541	521	4	1	41	74	641	1,182
9-10am	365	8	6	23	24	426	378	8	5	44	72	507	933
10-11am	306	3	1	13	16	339	425	4	3	19	26	477	816
11-12am	294	4	5	24	29	356	388	3	6	34	38	469	825
12-1pm	342	4	2	11	15	374	465	9	2	9	20	505	879
1-2pm	375	1	2	12	11	401	441	9	3	10	35	498	899
2-3pm	358	5	9	28	31	431	494	11	7	24	42	578	1,009
3-4pm	484	10	4	26	31	555	616	19	5	12	23	675	1,230
4-5pm	501	4	16	43	81	645	608	5	17	22	41	693	1,338 **
5-6pm	567	5	8	20	75	675 **	598	7	5	10	33	653	1,328
6-7pm	589	2	3	14	24	632	538	4	6	12	41	601	1,233
7-8pm	---	---	---	---	---	583	---	---	---	---	---	549	1,132
8-9pm	---	---	---	---	---	490	---	---	---	---	---	475	965
9-10pm	---	---	---	---	---	424	---	---	---	---	---	400	824
10-11pm	---	---	---	---	---	359	---	---	---	---	---	350	709
11-12pm	---	---	---	---	---	285	---	---	---	---	---	287	572
Totals	---	---	---	---	---	8,849	---	---	---	---	---	10,029	18,878
7-10am	1,171	28	23	73	102	1,397	1,378	27	8	119	237	1,769	3,166
10am-1pm	942	11	8	48	60	1,069	1,278	16	11	62	84	1,451	2,520
1-4pm	1,217	16	15	66	73	1,387	1,551	39	15	46	100	1,751	3,138
4-7pm	1,657	11	27	77	180	1,952	1,744	16	28	44	115	1,947	3,899
7am-7pm	4,987	66	73	264	415	5,805	5,951	98	62	271	536	6,918	12,723

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Madison Avenue Bridge - 2002

	<i>Eastbound to Bronx</i>						<i>Westbound to Manhattan</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	691	---	---	---	---	---	362	1,053
1-2am	---	---	---	---	---	372	---	---	---	---	---	198	570
2-3am	---	---	---	---	---	235	---	---	---	---	---	134	369
3-4am	---	---	---	---	---	180	---	---	---	---	---	106	286
4-5am	---	---	---	---	---	194	---	---	---	---	---	181	375
5-6am	---	---	---	---	---	310	---	---	---	---	---	637	947
6-7am	---	---	---	---	---	849	---	---	---	---	---	1,381	2,230
7-8am	928	46	102	60	54	1,190	1,500	120	17	61	135	1,833	3,023
8-9am	947	65	84	50	62	1,208	1,367	113	32	72	140	1,724	2,932
9-10am	829	73	107	89	55	1,153	1,048	75	42	182	139	1,486	2,639
10-11am	800	36	48	35	44	963	1,052	88	29	29	95	1,293	2,256
11-12am	647	26	84	104	95	956	915	35	47	90	115	1,202	2,158
12-1pm	853	28	34	41	43	999	972	43	33	39	70	1,157	2,156
1-2pm	939	33	35	48	52	1,107	1,012	68	35	19	54	1,188	2,295
2-3pm	1,005	38	88	122	124	1,377	1,085	91	37	41	104	1,358	2,735
3-4pm	1,410	29	45	80	73	1,637	1,333	92	27	35	61	1,548	3,185
4-5pm	1,289	32	145	120	144	1,730	1,448	90	38	35	64	1,675	3,405
5-6pm	1,360	37	117	96	91	1,701	1,489	66	47	37	57	1,696	3,397
6-7pm	1,397	81	55	71	93	1,697	1,402	56	32	28	30	1,548	3,245
7-8pm	---	---	---	---	---	1,615	---	---	---	---	---	1,356	2,971
8-9pm	---	---	---	---	---	1,371	---	---	---	---	---	1,044	2,415
9-10pm	---	---	---	---	---	1,200	---	---	---	---	---	789	1,989
10-11pm	---	---	---	---	---	1,033	---	---	---	---	---	521	1,554
11-12pm	---	---	---	---	---	897	---	---	---	---	---	405	1,302
Totals	---	---	---	---	---	24,665	---	---	---	---	---	24,822	49,487
7-10am	2,704	184	293	199	171	3,551	3,915	308	91	315	414	5,043	8,594
10am-1pm	2,300	90	166	180	182	2,918	2,939	166	109	158	280	3,652	6,570
1-4pm	3,354	100	168	250	249	4,121	3,430	251	99	95	219	4,094	8,215
4-7pm	4,046	150	317	287	328	5,128	4,339	212	117	100	151	4,919	10,047
7am-7pm	12,404	524	944	916	930	15,718	14,623	937	416	668	1,064	17,708	33,426

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Third Avenue Bridge - 2002

	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							---	---	---	---	---	1,202	1,202
1-2am							---	---	---	---	---	754	754
2-3am							---	---	---	---	---	631	631
3-4am							---	---	---	---	---	712	712
4-5am							---	---	---	---	---	1,186	1,186
5-6am							---	---	---	---	---	2,448	2,448
6-7am							---	---	---	---	---	3,329	3,329
7-8am							2,194	45	339	457	377	3,412	3,412
8-9am							2,110	30	209	427	445	3,221	3,221
9-10am							1,862	31	246	363	287	2,789	2,789
10-11am							2,363	29	157	152	125	2,826	2,826
11-12am							1,791	50	291	344	213	2,689	2,689
12-1pm							2,372	71	122	137	105	2,807	2,807
1-2pm							2,120	97	185	161	276	2,839	2,839
2-3pm							2,224	110	277	273	320	3,204	3,204
3-4pm							2,908	86	100	81	73	3,248	3,248
4-5pm							2,782	64	150	144	166	3,306	3,306
5-6pm							2,941	58	122	103	87	3,311	3,311
6-7pm							2,890	59	117	78	86	3,230	3,230
7-8pm							---	---	---	---	---	2,882	2,882
8-9pm							---	---	---	---	---	2,400	2,400
9-10pm							---	---	---	---	---	2,258	2,258
10-11pm							---	---	---	---	---	2,282	2,282
11-12pm							---	---	---	---	---	1,983	1,983
Totals							---	---	---	---	---	58,949	58,949
7-10am							6,166	106	794	1,247	1,109	9,422	9,422
10am-1pm							6,526	150	570	633	443	8,322	8,322
1-4pm							7,252	293	562	515	669	9,291	9,291
4-7pm							8,613	181	389	325	339	9,847	9,847
7am-7pm							28,557	730	2,315	2,720	2,560	36,882	36,882

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

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes University Heights Bridge - 2002

	<i>Eastbound to Bronx</i>						<i>Westbound to Manhattan</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	373	---	---	---	---	---	433	806
1-2am	---	---	---	---	---	328	---	---	---	---	---	314	642
2-3am	---	---	---	---	---	197	---	---	---	---	---	224	421
3-4am	---	---	---	---	---	164	---	---	---	---	---	175	339
4-5am	---	---	---	---	---	188	---	---	---	---	---	299	487
5-6am	---	---	---	---	---	291	---	---	---	---	---	716	1,007
6-7am	---	---	---	---	---	674	---	---	---	---	---	1,480	2,154
7-8am	765	54	97	47	49	1,012	1,675	27	43	48	138	1,931	2,943
8-9am	851	10	90	64	82	1,097	1,448	14	31	58	118	1,669	2,766
9-10am	667	9	66	76	77	895	1,176	16	19	60	119	1,390	2,285
10-11am	728	4	38	36	29	835	1,155	5	5	32	69	1,266	2,101
11-12am	666	8	69	81	41	865	1,032	8	14	65	93	1,212	2,077
12-1pm	908	15	28	31	26	1,008	1,198	2	6	33	57	1,296	2,304
1-2pm	906	45	44	35	27	1,057	1,242	4	5	23	42	1,316	2,373
2-3pm	916	14	78	57	54	1,119	1,282	12	25	57	121	1,497	2,616
3-4pm	940	16	21	28	27	1,032	1,398	49	7	30	62	1,546	2,578
4-5pm	1,012	5	62	47	36	1,162	1,469	23	20	31	109	1,652	2,814
5-6pm	974	0	61	29	45	1,109	1,470	1	18	16	65	1,570	2,679
6-7pm	995	0	61	21	62	1,139	1,397	8	12	11	65	1,493	2,632
7-8pm	---	---	---	---	---	1,097	---	---	---	---	---	1,311	2,408
8-9pm	---	---	---	---	---	992	---	---	---	---	---	1,121	2,113
9-10pm	---	---	---	---	---	831	---	---	---	---	---	961	1,792
10-11pm	---	---	---	---	---	764	---	---	---	---	---	863	1,627
11-12pm	---	---	---	---	---	664	---	---	---	---	---	683	1,347
Totals	---	---	---	---	---	18,893	---	---	---	---	---	26,418	45,311
7-10am	2,283	73	253	187	208	3,004	4,299	57	93	166	375	4,990	7,994
10am-1pm	2,302	27	135	148	96	2,708	3,385	15	25	130	219	3,774	6,482
1-4pm	2,762	75	143	120	108	3,208	3,922	65	37	110	225	4,359	7,567
4-7pm	2,981	5	184	97	143	3,410	4,336	32	50	58	239	4,715	8,125
7am-7pm	10,328	180	715	552	555	12,330	15,942	169	205	464	1,058	17,838	30,168

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Washington Bridge - 2002

	<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	---	---	---	---	---	1,204	---	---	---	---	---	564	1,768
1-2am	---	---	---	---	---	821	---	---	---	---	---	339	1,160
2-3am	---	---	---	---	---	503	---	---	---	---	---	231	734
3-4am	---	---	---	---	---	432	---	---	---	---	---	204	636
4-5am	---	---	---	---	---	540	---	---	---	---	---	311	851
5-6am	---	---	---	---	---	410	---	---	---	---	---	763	1,173
6-7am	---	---	---	---	---	1,026	---	---	---	---	---	1,359	2,385
7-8am	1,634	62	35	56	120	1,907	1,348	63	120	39	27	1,597	3,504
8-9am	1,559	48	28	84	143	1,862	1,252	69	76	57	30	1,484	3,346
9-10am	1,331	44	28	105	100	1,608	1,204	41	61	46	32	1,384	2,992
10-11am	1,250	37	8	35	46	1,376	1,213	43	13	33	27	1,329	2,705
11-12am	1,207	29	17	67	76	1,396	1,159	55	34	37	44	1,329	2,725
12-1pm	1,369	46	21	27	66	1,529	1,304	34	12	25	19	1,394	2,923
1-2pm	1,455	36	6	37	56	1,590	1,375	35	20	22	16	1,468	3,058
2-3pm	1,517	37	28	74	87	1,743	1,497	70	53	64	50	1,734	3,477
3-4pm	1,854	43	12	36	93	2,038	1,715	53	53	53	26	1,900	3,938
4-5pm	1,990	47	60	73	221	2,391	1,557	45	79	96	53	1,830	4,221
5-6pm	2,326	43	65	46	122	2,602	1,615	32	49	37	46	1,779	4,381
6-7pm	2,270	29	40	31	100	2,470	1,510	41	60	21	33	1,665	4,135
7-8pm	---	---	---	---	---	2,127	---	---	---	---	---	1,575	3,702
8-9pm	---	---	---	---	---	1,866	---	---	---	---	---	1,257	3,123
9-10pm	---	---	---	---	---	1,385	---	---	---	---	---	1,038	2,423
10-11pm	---	---	---	---	---	1,184	---	---	---	---	---	882	2,066
11-12pm	---	---	---	---	---	1,279	---	---	---	---	---	904	2,183
Totals	---	---	---	---	---	35,289	---	---	---	---	---	28,320	63,609
7-10am	4,524	154	91	245	363	5,377	3,804	173	257	142	89	4,465	9,842
10am-1pm	3,826	112	46	129	188	4,301	3,676	132	59	95	90	4,052	8,353
1-4pm	4,826	116	46	147	236	5,371	4,587	158	126	139	92	5,102	10,473
4-7pm	6,586	119	165	150	443	7,463	4,682	118	188	154	132	5,274	12,737
7am-7pm	19,762	501	348	671	1,230	22,512	16,749	581	630	530	403	18,893	41,405

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Willis Avenue Bridge - 2002

	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	---	---	---	---	---	2,279						0	2,279
1-2am	---	---	---	---	---	1,304						0	1,304
2-3am	---	---	---	---	---	954						0	954
3-4am	---	---	---	---	---	822						0	822
4-5am	---	---	---	---	---	998						0	998
5-6am	---	---	---	---	---	1,629						0	1,629
6-7am	---	---	---	---	---	2,511						1,005	3,516
7-8am	2,603	77	121	151	105	3,057						1,058	4,115
8-9am	2,527	107	94	183	222	3,133						840	3,973
9-10am	2,094	123	103	251	232	2,803						495	3,298
10-11am	2,474	57	79	185	175	2,970						0	2,970
11-12am	2,187	38	128	314	290	2,957						0	2,957
12-1pm	2,631	45	56	162	110	3,004						0	3,004
1-2pm	2,949	27	45	124	156	3,301						0	3,301
2-3pm	2,874	35	141	414	418	3,882						0	3,882
3-4pm	4,054	74	70	195	190	4,583						0	4,583
4-5pm	3,914	45	150	335	526	4,970 **						0	4,970 **
5-6pm	3,802	68	127	212	467	4,676						0	4,676
6-7pm	3,725	36	114	131	252	4,258						0	4,258
7-8pm	---	---	---	---	---	3,791						0	3,791
8-9pm	---	---	---	---	---	3,516						0	3,516
9-10pm	---	---	---	---	---	3,156						0	3,156
10-11pm	---	---	---	---	---	2,870						0	2,870
11-12pm	---	---	---	---	---	2,613						0	2,613
Totals	---	---	---	---	---	70,037						3,398	73,435
7-10am	7,224	307	318	585	559	8,993						2,393	11,386
10am-1pm	7,292	140	263	661	575	8,931						0	8,931
1-4pm	9,877	136	256	733	764	11,766						0	11,766
4-7pm	11,441	149	391	678	1,245	13,904						0	13,904
7am-7pm	35,834	732	1,228	2,657	3,143	43,594						2,393	45,987

This bridge is normally 1-way northbound to The Bronx.

In 2002, one lane was reversed to southbound 6-10am weekdays in order to compensate for reconstruction lane closures on the Third Avenue Bridge

Classification data not available for this reversed lane.

Based on 1989 Classification Survey Data

** Peak Volumes

**Hourly Vehicular Volumes
145th Street Bridge - 2002**

	Eastbound to Bronx						Westbound to Manhattan						2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	480	---	---	---	---	---	298	778
1-2am	---	---	---	---	---	291	---	---	---	---	---	181	472
2-3am	---	---	---	---	---	201	---	---	---	---	---	126	327
3-4am	---	---	---	---	---	163	---	---	---	---	---	128	291
4-5am	---	---	---	---	---	174	---	---	---	---	---	156	330
5-6am	---	---	---	---	---	244	---	---	---	---	---	285	529
6-7am	---	---	---	---	---	422	---	---	---	---	---	736	1,158
7-8am	690	33	44	44	11	822	1,320	61	27	57	52	1,517	2,339
8-9am	746	27	46	49	28	896	1,305	45	51	43	80	1,524 **	2,420 **
9-10am	701	16	48	75	30	870	873	29	52	41	93	1,088	1,958
10-11am	730	12	20	34	35	831	709	24	48	36	71	888	1,719
11-12am	665	21	39	90	58	873	619	16	62	64	74	835	1,708
12-1pm	783	17	23	56	23	902	802	15	15	12	20	864	1,766
1-2pm	851	17	48	44	25	985	779	39	15	19	11	863	1,848
2-3pm	792	24	43	136	58	1,053	802	31	38	36	53	960	2,013
3-4pm	957	25	26	47	33	1,088	1,004	39	11	10	14	1,078	2,166
4-5pm	882	14	58	98	55	1,107 **	1,051	23	19	11	29	1,133	2,240
5-6pm	896	10	51	74	67	1,098	1,004	22	17	12	16	1,071	2,169
6-7pm	960	30	34	26	53	1,103	912	29	7	4	13	965	2,068
7-8pm	---	---	---	---	---	1,044	---	---	---	---	---	859	1,903
8-9pm	---	---	---	---	---	1,064	---	---	---	---	---	729	1,793
9-10pm	---	---	---	---	---	907	---	---	---	---	---	654	1,561
10-11pm	---	---	---	---	---	686	---	---	---	---	---	539	1,225
11-12pm	---	---	---	---	---	570	---	---	---	---	---	445	1,015
Totals	---	---	---	---	---	17,874	---	---	---	---	---	17,922	35,796
7-10am	2,137	76	138	168	69	2,588	3,498	135	130	141	225	4,129	6,717
10am-1pm	2,178	50	82	180	116	2,606	2,130	55	125	112	165	2,587	5,193
1-4pm	2,600	66	117	227	116	3,126	2,585	109	64	65	78	2,901	6,027
4-7pm	2,738	54	143	198	175	3,308	2,967	74	43	27	58	3,169	6,477
7am-7pm	9,653	246	480	773	476	11,628	11,180	373	362	345	526	12,786	24,414

Based on 1989 Classification Survey Data

** Peak Volumes

Brooklyn - Queens Bridges
Average Daily Traffic Volumes
1948 - 2002

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

Hourly Vehicular Volumes Grand Street Bridge - 2002

	<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	---	---	---	---	---	50	---	---	---	---	---	88	138
1-2am	---	---	---	---	---	43	---	---	---	---	---	61	104
2-3am	---	---	---	---	---	42	---	---	---	---	---	57	99
3-4am	---	---	---	---	---	56	---	---	---	---	---	63	119
4-5am	---	---	---	---	---	60	---	---	---	---	---	99	159
5-6am	---	---	---	---	---	168	---	---	---	---	---	207	375
6-7am	---	---	---	---	---	322	---	---	---	---	---	415	737
7-8am	232	8	8	34	11	293	376	14	28	111	26	555	848
8-9am	191	4	8	73	17	293	322	6	31	169	51	579	872
9-10am	193	14	2	62	20	291	252	8	25	145	41	471	762
10-11am	189	3	3	44	23	262	358	11	12	68	19	468	730
11-12am	173	6	11	98	32	320	316	6	31	121	33	507	827
12-1pm	298	9	3	36	10	356	436	12	18	57	15	538	894
1-2pm	303	5	10	52	16	386	417	18	32	86	21	574	960
2-3pm	249	10	11	98	34	402	252	5	33	148	38	476	878
3-4pm	325	6	4	37	7	379	339	15	10	60	12	436	815
4-5pm	363	12	12	47	17	451	351	9	24	73	20	477	928
5-6pm	392	7	10	56	22	487	307	4	19	56	15	401	888
6-7pm	281	5	7	48	14	355	220	5	12	23	3	263	618
7-8pm	---	---	---	---	---	226	---	---	---	---	---	191	417
8-9pm	---	---	---	---	---	127	---	---	---	---	---	145	272
9-10pm	---	---	---	---	---	97	---	---	---	---	---	119	216
10-11pm	---	---	---	---	---	85	---	---	---	---	---	145	230
11-12pm	---	---	---	---	---	90	---	---	---	---	---	112	202
Totals	---	---	---	---	---	5,641	---	---	---	---	---	7,447	13,088
7-10am	616	26	18	169	48	877	950	28	84	425	118	1,605	2,482
10am-1pm	660	18	17	178	65	938	1,110	29	61	246	67	1,513	2,451
1-4pm	877	21	25	187	57	1,167	1,008	38	75	294	71	1,486	2,653
4-7pm	1,036	24	29	151	53	1,293	878	18	55	152	38	1,141	2,434
7am-7pm	3,189	89	89	685	223	4,275	3,946	113	275	1,117	294	5,745	10,020

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Greenpoint Avenue Bridge - 2002

	<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	---	---	---	---	---	155	---	---	---	---	---	152	307
1-2am	---	---	---	---	---	94	---	---	---	---	---	91	185
2-3am	---	---	---	---	---	87	---	---	---	---	---	75	162
3-4am	---	---	---	---	---	77	---	---	---	---	---	97	174
4-5am	---	---	---	---	---	146	---	---	---	---	---	127	273
5-6am	---	---	---	---	---	345	---	---	---	---	---	303	648
6-7am	---	---	---	---	---	741	---	---	---	---	---	735	1,476
7-8am	672	13	23	144	48	900	668	10	52	204	81	1,015 **	1,915 **
8-9am	584	16	26	221	51	898	662	11	33	188	83	977	1,875
9-10am	395	7	26	205	69	702	418	13	51	251	107	840	1,542
10-11am	553	3	7	80	36	679	429	4	22	124	42	621	1,300
11-12am	463	12	19	192	80	766	296	5	17	214	118	650	1,416
12-1pm	705	4	15	100	33	857	442	5	24	107	55	633	1,490
1-2pm	770	13	19	108	27	937	429	14	33	107	38	621	1,558
2-3pm	579	7	25	181	87	879	157	10	84	311	118	680	1,559
3-4pm	871	9	10	84	34	1,008	622	6	21	88	26	763	1,771
4-5pm	764	12	34	128	79	1,017	697	9	31	104	47	888	1,905
5-6pm	814	8	32	125	71	1,050 **	633	8	48	70	55	814	1,864
6-7pm	607	13	17	77	54	768	501	15	21	62	39	638	1,406
7-8pm	---	---	---	---	---	592	---	---	---	---	---	557	1,149
8-9pm	---	---	---	---	---	449	---	---	---	---	---	369	818
9-10pm	---	---	---	---	---	308	---	---	---	---	---	329	637
10-11pm	---	---	---	---	---	261	---	---	---	---	---	220	481
11-12pm	---	---	---	---	---	215	---	---	---	---	---	180	395
Totals	---	---	---	---	---	13,931	---	---	---	---	---	12,375	26,306
7-10am	1,651	36	75	570	168	2,500	1,748	34	136	643	271	2,832	5,332
10am-1pm	1,721	19	41	372	149	2,302	1,167	14	63	445	215	1,904	4,206
1-4pm	2,220	29	54	373	148	2,824	1,208	30	138	506	182	2,064	4,888
4-7pm	2,185	33	83	330	204	2,835	1,831	32	100	236	141	2,340	5,175
7am-7pm	7,777	117	253	1,645	669	10,461	5,954	110	437	1,830	809	9,140	19,601

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Kosciuszko Bridge - 2002

	<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	---	---	---	---	---	2,379	---	---	---	---	---	1,591	3,970
1-2am	---	---	---	---	---	1,573	---	---	---	---	---	1,055	2,628
2-3am	---	---	---	---	---	1,144	---	---	---	---	---	871	2,015
3-4am	---	---	---	---	---	1,083	---	---	---	---	---	985	2,068
4-5am	---	---	---	---	---	1,578	---	---	---	---	---	1,566	3,144
5-6am	---	---	---	---	---	2,914	---	---	---	---	---	3,612	6,526
6-7am	---	---	---	---	---	4,711	---	---	---	---	---	5,549 **	10,260
7-8am	4,395	58	119	461	298	5,331	4,696	14	63	371	351	5,495	10,826 **
8-9am	4,249	19	135	472	314	5,189	4,496	14	38	425	371	5,344	10,533
9-10am	3,600	36	103	394	304	4,437	4,217	16	66	551	393	5,243	9,680
10-11am	3,768	21	104	251	197	4,341	4,255	7	36	251	165	4,714	9,055
11-12am	2,993	10	162	502	363	4,030	3,640	7	70	561	298	4,576	8,606
12-1pm	3,981	10	68	254	178	4,491	3,845	7	66	307	154	4,379	8,870
1-2pm	3,652	37	114	492	410	4,705	3,515	10	83	574	382	4,564	9,269
2-3pm	3,875	21	165	501	446	5,008	3,658	14	75	546	379	4,672	9,680
3-4pm	4,852	16	79	112	230	5,289	4,603	19	25	245	178	5,070	10,359
4-5pm	4,571	24	130	234	427	5,386 **	4,364	17	71	351	283	5,086	10,472
5-6pm	4,483	18	88	316	279	5,184	4,215	8	48	325	305	4,901	10,085
6-7pm	4,707	11	76	105	281	5,180	4,180	7	18	211	274	4,690	9,870
7-8pm	---	---	---	---	---	5,047	---	---	---	---	---	4,245	9,292
8-9pm	---	---	---	---	---	4,609	---	---	---	---	---	3,640	8,249
9-10pm	---	---	---	---	---	3,787	---	---	---	---	---	3,328	7,115
10-11pm	---	---	---	---	---	3,435	---	---	---	---	---	2,941	6,376
11-12pm	---	---	---	---	---	2,941	---	---	---	---	---	2,490	5,431
Totals	---	---	---	---	---	93,772	---	---	---	---	---	90,607	184,379
7-10am	12,244	113	357	1,327	916	14,957	13,409	44	167	1,347	1,115	16,082	31,039
10am-1pm	10,742	41	334	1,007	738	12,862	11,740	21	172	1,119	617	13,669	26,531
1-4pm	12,379	74	358	1,105	1,086	15,002	11,776	43	183	1,365	939	14,306	29,308
4-7pm	13,761	53	294	655	987	15,750	12,759	32	137	887	862	14,677	30,427
7am-7pm	49,126	281	1,343	4,094	3,727	58,571	49,684	140	659	4,718	3,533	58,734	117,305

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Pulaski Bridge - 2002

	<i>Northbound to Queens</i>						<i>Southbound to Brooklyn</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	304	---	---	---	---	---	385	689
1-2am	---	---	---	---	---	182	---	---	---	---	---	238	420
2-3am	---	---	---	---	---	159	---	---	---	---	---	173	332
3-4am	---	---	---	---	---	164	---	---	---	---	---	168	332
4-5am	---	---	---	---	---	249	---	---	---	---	---	200	449
5-6am	---	---	---	---	---	706	---	---	---	---	---	385	1,091
6-7am	---	---	---	---	---	1,429	---	---	---	---	---	677	2,106
7-8am	1,209	26	57	185	159	1,636 **	611	12	24	170	103	920	2,556
8-9am	1,121	19	44	207	158	1,549	628	12	32	177	140	989	2,538
9-10am	679	16	43	196	138	1,072	535	15	24	174	133	881	1,953
10-11am	790	13	25	117	85	1,030	711	11	19	92	64	897	1,927
11-12am	591	12	47	239	167	1,056	505	14	35	200	130	884	1,940
12-1pm	826	10	21	116	88	1,061	791	12	17	102	63	985	2,046
1-2pm	861	23	30	136	97	1,147	805	21	30	105	58	1,019	2,166
2-3pm	718	19	42	228	171	1,178	669	15	37	295	110	1,126	2,304
3-4pm	959	21	17	103	79	1,179	1,201	21	27	116	86	1,451	2,630
4-5pm	866	10	37	110	128	1,151	1,290	13	52	179	150	1,684 **	2,835 **
5-6pm	875	8	40	39	103	1,065	1,303	10	36	116	121	1,586	2,651
6-7pm	673	12	32	55	80	852	927	10	23	67	75	1,102	1,954
7-8pm	---	---	---	---	---	705	---	---	---	---	---	790	1,495
8-9pm	---	---	---	---	---	488	---	---	---	---	---	642	1,130
9-10pm	---	---	---	---	---	442	---	---	---	---	---	538	980
10-11pm	---	---	---	---	---	465	---	---	---	---	---	483	948
11-12pm	---	---	---	---	---	412	---	---	---	---	---	464	876
Totals	---	---	---	---	---	19,681	---	---	---	---	---	18,667	38,348
7-10am	3,009	61	144	588	455	4,257	1,774	39	80	521	376	2,790	7,047
10am-1pm	2,207	35	93	472	340	3,147	2,007	37	71	394	257	2,766	5,913
1-4pm	2,538	63	89	467	347	3,504	2,675	57	94	516	254	3,596	7,100
4-7pm	2,414	30	109	204	311	3,068	3,520	33	111	362	346	4,372	7,440
7am-7pm	10,168	189	435	1,731	1,453	13,976	9,976	166	356	1,793	1,233	13,524	27,500

Based on 1989 Classification Survey Data

** Peak Volumes

Bronx Bridges
Average Daily Traffic Volumes
1948 - 2002

Bronx Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2002

Year	City Island	East 174th Street	Eastchester	Eastern Boulevard	Hutchinson River Pky	Year	Pelham	Unionport	Westchester Avenue	Totals
1948	4,249	8,995	15,012	44,563	15,085	1948	5,084	37,359	10,900	141,247
1949	4,078	8,287	11,322	42,615	20,087	1949	5,252	30,278	13,763	135,682
1950	3,712	10,607	13,715	48,184	21,513	1950	5,872	32,969	14,401	150,973
1951	3,588	11,187	14,992	46,804	21,237	1951	4,357	30,100	12,962	145,227
1952	3,474	11,588	15,964	68,245	24,247	1952	4,511	40,854	14,570	183,453
1953	4,850	9,996	14,341	58,492	32,805	1953	4,331	38,468	14,716	177,999
1954	3,969	11,299	15,079	78,010	24,706	1954	5,998	28,890	15,106	183,057
1955	3,855	11,533	14,087	60,892	27,337	1955	4,122	45,292	13,131	180,249
1956	5,377	8,329	14,715	63,449	37,155	1956	6,908	47,992	13,884	197,809
1957	5,301	8,873	13,163	60,323	33,533	1957	6,824	45,010	11,004	184,031
1958	3,925	6,927	11,192	56,647	34,067	1958	5,599	69,044	9,547	196,948
1959	4,442	8,539	11,728	50,787	31,559	1959	5,731	62,198	13,547	188,531
1960	6,071	9,259	9,527	67,082	33,048	1960	6,844	59,433	14,493	205,757
1961	7,167	12,863	5,491	71,734	34,858	1961	9,857	107,115	10,820	259,905
1962	6,030	12,420	8,590	85,070	28,330	1962	6,410	104,820	11,350	263,020
1963	7,210	9,190	10,840	80,840	35,690	1963	9,780	113,680	24,010	291,240
1964	8,930	10,540	11,480	94,660	37,790	1964	11,010	134,200	19,580	328,190
1965	9,909	10,272	12,853	94,167	48,870	1965	13,345	139,724	22,218	351,358
1966	7,512	10,867	12,000	88,510	52,483	1966	10,064	149,176	23,417	354,029
1967	8,269	12,583	12,000	70,612	47,693	1967	11,025	149,032	26,768	337,982
1968	8,508	12,296	11,472	82,581	50,427	1968	15,521	177,024	31,690	389,519
1969	9,267	11,034	13,940	93,850	48,629	1969	11,624	168,297	22,213	378,854
1970	8,996	10,924	15,977	106,685	42,887	1970	11,320	146,748	23,067	366,604
1971	8,724	10,473	26,743	126,757	49,136	1971	13,098	135,254	20,855	391,040
1972	9,433	10,676	22,801	145,755	47,487	1972	16,440	70,659	22,291	345,542
1973	12,481	11,909	21,800	104,293	51,137	1973	10,852	30,459	29,185	272,116
1974	10,009	9,994	20,724	124,668	47,737	1974	12,963	33,528	22,386	282,009
1975	11,836	9,356	20,599	123,389	51,629	1975	12,992	34,648	20,323	284,772
1976	10,112	9,632	17,351	124,087	52,498	1976	13,284	29,903	23,448	280,315
1977	10,073	7,493	17,935	114,478	51,613	1977	12,177	33,289	21,422	268,480
1978	10,559	7,967	19,595	122,745	68,239	1978	14,866	36,515	20,762	301,248
1979	10,355	6,203	16,893	128,836	47,187	1979	12,978	34,574	20,640	277,666
1980	9,922	6,328	17,644	126,040	57,192	1980	16,327	28,702	22,228	284,383
1981	10,216	6,037	17,723	125,133	59,824	1981	13,210	34,492	21,298	287,933
1982	10,447	6,641	18,848	125,945	69,091	1982	Closed	37,935	22,693	291,600
1983	11,056	10,252	18,162	130,492	59,615	1983	10,740	38,676	22,693	301,686
1984	11,715	10,134	21,448	136,387	69,925	1984	14,862	41,548	Closed	306,019
1985	10,180	Closed	20,955	138,725	59,455	1985	12,603	42,915	26,239	311,072
1986	14,063	9,632	20,571	147,789	78,211	1986	15,753	45,382	24,856	356,257
1987	12,639	10,489	22,870	154,741	79,179	1987	14,498	45,450	22,624	362,490
1988	13,444	10,659	23,275	154,385	80,904	1988	15,144	41,573	25,186	364,570
1989	13,843	11,574	19,307	136,008	85,410	1989	15,644	43,696	29,445	354,927
1990	16,240	13,702	20,559	117,384	91,280	1990	18,728	38,541	27,140	343,574
1991	15,299	14,587	20,520	122,414	76,794	1991	20,917	37,842	30,548	338,921
1992	13,960	15,558	20,783	123,097	76,641	1992	23,895	40,348	29,462	343,744
1993	13,938	13,734	20,825	128,713	78,053	1993	20,235	40,385	20,893	336,776
1994	13,867	12,876	19,997	125,592	80,773	1994	23,960	41,910	21,540	340,515
1995	14,911	12,428	18,872	130,647	85,985	1995	23,598	39,811	21,757	348,009
1996	14,062	12,719	20,172	133,517	84,158	1996	24,807	47,953	24,117	361,505
1997	14,284	11,955	21,001	133,278	85,703	1997	22,963	47,941	25,741	362,846
1998	14,954	13,758	21,415	151,238	93,304	1998	23,264	48,975	25,863	392,771
1999	16,863	5,667	21,510	157,987	98,700	1999	21,430	50,563	31,214	403,934
2000	18,844	11,838	22,583	163,954	105,792	2000	23,007	49,006	29,922	424,946
2001	20,012	12,093	22,810	169,437	108,191	2001	22,694	52,418	31,584	439,239
2002	16,637	12,786	22,255	178,983	110,141	2002	15,663	51,347	29,551	437,363

Hourly Vehicular Volumes City Island Bridge - 2002

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	74	---	---	---	---	---	90	164
1-2am	---	---	---	---	---	34	---	---	---	---	---	49	83
2-3am	---	---	---	---	---	14	---	---	---	---	---	25	39
3-4am	---	---	---	---	---	23	---	---	---	---	---	24	47
4-5am	---	---	---	---	---	28	---	---	---	---	---	29	57
5-6am	---	---	---	---	---	42	---	---	---	---	---	67	109
6-7am	---	---	---	---	---	117	---	---	---	---	---	272	389
7-8am	259	10	14	6	22	311	510	11	0	21	22	564	875
8-9am	280	16	14	9	41	360	459	16	0	16	36	527	887
9-10am	212	4	4	7	26	253	307	4	0	9	19	339	592
10-11am	286	0	4	7	9	306	290	3	1	7	2	303	609
11-12am	408	7	12	8	43	478	339	6	0	2	4	351	829
12-1pm	490	3	10	4	25	532	391	9	0	5	2	407	939
1-2pm	469	3	1	7	23	503	444	2	0	6	21	473	976
2-3pm	418	10	13	19	40	500	548	14	3	30	42	637 **	1,137
3-4pm	586	12	7	8	14	627	551	17	0	6	11	585	1,212
4-5pm	566	3	24	11	46	650	470	2	0	9	29	510	1,160
5-6pm	675	7	13	9	24	728 **	528	6	0	11	21	566	1,294 **
6-7pm	672	5	6	10	18	711	479	7	0	9	11	506	1,217
7-8pm	---	---	---	---	---	686	---	---	---	---	---	464	1,150
8-9pm	---	---	---	---	---	524	---	---	---	---	---	473	997
9-10pm	---	---	---	---	---	392	---	---	---	---	---	429	821
10-11pm	---	---	---	---	---	259	---	---	---	---	---	349	608
11-12pm	---	---	---	---	---	156	---	---	---	---	---	290	446
Totals	---	---	---	---	---	8,308	---	---	---	---	---	8,329	16,637
7-10am	751	30	32	22	89	924	1,276	31	0	46	77	1,430	2,354
10am-1pm	1,184	10	26	19	77	1,316	1,020	18	1	14	8	1,061	2,377
1-4pm	1,473	25	21	34	77	1,630	1,543	33	3	42	74	1,695	3,325
4-7pm	1,913	15	43	30	88	2,089	1,477	15	0	29	61	1,582	3,671
7am-7pm	5,321	80	122	105	331	5,959	5,316	97	4	131	220	5,768	11,727

Based on 1989 Classification Survey Data

** Peak Volumes

**Hourly Vehicular Volumes
East 174th Street Bridge - 2002**

	Eastbound						Westbound						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	85	---	---	---	---	---	90	175
1-2am	---	---	---	---	---	45	---	---	---	---	---	34	79
2-3am	---	---	---	---	---	34	---	---	---	---	---	21	55
3-4am	---	---	---	---	---	29	---	---	---	---	---	28	57
4-5am	---	---	---	---	---	29	---	---	---	---	---	32	61
5-6am	---	---	---	---	---	63	---	---	---	---	---	57	120
6-7am	---	---	---	---	---	206	---	---	---	---	---	166	372
7-8am	292	27	9	12	14	354	540	28	20	7	36	631	985
8-9am	314	47	10	30	12	413	735	38	33	16	52	874 **	1,287 **
9-10am	232	23	9	14	16	294	383	17	13	10	35	458	752
10-11am	221	13	4	11	8	257	231	19	3	3	1	257	514
11-12am	202	17	17	26	21	283	248	11	4	20	25	308	591
12-1pm	274	9	9	14	12	318	254	14	3	5	6	282	600
1-2pm	288	8	9	9	11	325	279	12	5	4	8	308	633
2-3pm	348	30	23	33	20	454	294	28	11	15	25	373	827
3-4pm	518	36	13	14	14	595 **	338	28	7	1	19	393	988
4-5pm	433	11	21	26	22	513	392	15	12	12	25	456	969
5-6pm	476	12	13	19	18	538	357	14	10	1	17	399	937
6-7pm	392	17	6	10	15	440	280	9	9	2	10	310	750
7-8pm	---	---	---	---	---	325	---	---	---	---	---	276	601
8-9pm	---	---	---	---	---	243	---	---	---	---	---	233	476
9-10pm	---	---	---	---	---	223	---	---	---	---	---	172	395
10-11pm	---	---	---	---	---	178	---	---	---	---	---	143	321
11-12pm	---	---	---	---	---	114	---	---	---	---	---	127	241
Totals	---	---	---	---	---	6,358	---	---	---	---	---	6,428	12,786
7-10am	838	97	28	56	42	1,061	1,658	83	66	33	123	1,963	3,024
10am-1pm	697	39	30	51	41	858	733	44	10	28	32	847	1,705
1-4pm	1,154	74	45	56	45	1,374	911	68	23	20	52	1,074	2,448
4-7pm	1,301	40	40	55	55	1,491	1,029	38	31	15	52	1,165	2,656
7am-7pm	3,990	250	143	218	183	4,784	4,331	233	130	96	259	5,049	9,833

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Eastchester Bridge - 2002

	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	---	---	---	---	---	71	---	---	---	---	---	93	164
1-2am	---	---	---	---	---	51	---	---	---	---	---	70	121
2-3am	---	---	---	---	---	43	---	---	---	---	---	51	94
3-4am	---	---	---	---	---	39	---	---	---	---	---	47	86
4-5am	---	---	---	---	---	59	---	---	---	---	---	67	126
5-6am	---	---	---	---	---	134	---	---	---	---	---	156	290
6-7am	---	---	---	---	---	346	---	---	---	---	---	422	768
7-8am	506	16	0	29	22	573	626	11	11	86	25	759	1,332
8-9am	519	12	0	45	36	612	588	15	18	96	31	748	1,360
9-10am	489	16	0	41	34	580	429	20	22	133	47	651	1,231
10-11am	586	8	0	26	21	641	518	8	15	38	19	598	1,239
11-12am	631	6	0	39	45	721	567	10	19	97	44	737	1,458
12-1pm	683	9	0	13	24	729	937	11	9	45	27	1,029 **	1,758 **
1-2pm	676	8	0	14	19	717	672	8	4	40	12	736	1,453
2-3pm	714	16	0	37	25	792	528	10	13	98	26	675	1,467
3-4pm	762	14	0	21	20	817 **	670	15	9	42	11	747	1,564
4-5pm	664	8	0	22	33	727	698	8	14	39	20	779	1,506
5-6pm	670	8	0	24	35	737	720	9	12	37	27	805	1,542
6-7pm	577	10	0	11	12	610	724	18	9	36	9	796	1,406
7-8pm	---	---	---	---	---	477	---	---	---	---	---	624	1,101
8-9pm	---	---	---	---	---	353	---	---	---	---	---	434	787
9-10pm	---	---	---	---	---	277	---	---	---	---	---	356	633
10-11pm	---	---	---	---	---	198	---	---	---	---	---	223	421
11-12pm	---	---	---	---	---	135	---	---	---	---	---	213	348
Totals	---	---	---	---	---	10,439	---	---	---	---	---	11,816	22,255
7-10am	1,514	44	0	115	92	1,765	1,643	46	51	315	103	2,158	3,923
10am-1pm	1,900	23	0	78	90	2,091	2,022	29	43	180	90	2,364	4,455
1-4pm	2,152	38	0	72	64	2,326	1,870	33	26	180	49	2,158	4,484
4-7pm	1,911	26	0	57	80	2,074	2,142	35	35	112	56	2,380	4,454
7am-7pm	7,477	131	0	322	326	8,256	7,677	143	155	787	298	9,060	17,316

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Eastern Boulevard Bridge - 2002

	<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	---	---	---	---	---	1,950	---	---	---	---	---	1,508	3,458
1-2am	---	---	---	---	---	1,049	---	---	---	---	---	962	2,011
2-3am	---	---	---	---	---	768	---	---	---	---	---	755	1,523
3-4am	---	---	---	---	---	628	---	---	---	---	---	749	1,377
4-5am	---	---	---	---	---	775	---	---	---	---	---	1,234	2,009
5-6am	---	---	---	---	---	1,436	---	---	---	---	---	3,055	4,491
6-7am	---	---	---	---	---	2,821	---	---	---	---	---	5,926	8,747
7-8am	3,450	52	65	388	126	4,081	5,855	106	127	376	277	6,741	** 10,822
8-9am	3,635	106	97	516	218	4,572	5,151	73	138	438	282	6,082	10,654
9-10am	2,844	89	102	476	185	3,696	4,443	45	83	323	235	5,129	8,825
10-11am	2,860	21	42	235	90	3,248	4,504	39	58	178	106	4,885	8,133
11-12am	2,760	14	125	369	222	3,490	4,507	31	126	348	245	5,257	8,747
12-1pm	3,519	19	63	193	112	3,906	4,532	30	37	190	109	4,898	8,804
1-2pm	4,399	29	1	155	88	4,672	4,469	58	61	182	64	4,834	9,506
2-3pm	4,999	44	0	281	207	5,531	4,160	113	91	344	132	4,840	10,371
3-4pm	6,361	46	0	169	107	6,683	4,839	70	44	188	54	5,195	** 11,878
4-5pm	6,182	40	0	326	205	6,753	** 4,349	106	125	289	169	5,038	11,791
5-6pm	6,310	65	0	99	183	6,657	4,541	35	137	175	87	4,975	11,632
6-7pm	5,453	44	0	151	146	5,794	4,199	37	76	84	59	4,455	10,249
7-8pm	---	---	---	---	---	4,815	---	---	---	---	---	3,983	8,798
8-9pm	---	---	---	---	---	3,989	---	---	---	---	---	3,272	7,261
9-10pm	---	---	---	---	---	3,678	---	---	---	---	---	3,026	6,704
10-11pm	---	---	---	---	---	3,494	---	---	---	---	---	2,747	6,241
11-12pm	---	---	---	---	---	2,725	---	---	---	---	---	2,226	4,951
Totals	---	---	---	---	---	87,211	---	---	---	---	---	91,772	178,983
7-10am	9,929	247	264	1,380	529	12,349	15,449	224	348	1,137	794	17,952	30,301
10am-1pm	9,139	54	230	797	424	10,644	13,543	100	221	716	460	15,040	25,684
1-4pm	15,759	119	1	605	402	16,886	13,468	241	196	714	250	14,869	31,755
4-7pm	17,945	149	0	576	534	19,204	13,089	178	338	548	315	14,468	33,672
7am-7pm	52,772	569	495	3,358	1,889	59,083	55,549	743	1,103	3,115	1,819	62,329	121,412

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hutchinson River Parkway Bridge - 2002

	Northbound						Southbound						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	893	---	---	---	---	---	641	1,534
1-2am	---	---	---	---	---	390	---	---	---	---	---	342	732
2-3am	---	---	---	---	---	214	---	---	---	---	---	183	397
3-4am	---	---	---	---	---	161	---	---	---	---	---	154	315
4-5am	---	---	---	---	---	217	---	---	---	---	---	315	532
5-6am	---	---	---	---	---	654	---	---	---	---	---	998	1,652
6-7am	---	---	---	---	---	2,376	---	---	---	---	---	2,422	4,798
7-8am	3,782	4	97	141	70	4,094	3,543	1	17	9	97	3,667	7,761
8-9am	4,076	7	73	140	56	4,352 **	3,761	2	6	7	75	3,851	8,203 **
9-10am	3,175	1	89	112	71	3,448	2,987	7	13	12	88	3,107	6,555
10-11am	2,575	3	35	59	32	2,704	2,495	3	6	6	26	2,536	5,240
11-12am	2,277	0	104	100	64	2,545	2,212	0	8	9	105	2,334	4,879
12-1pm	2,235	0	27	47	22	2,331	2,347	0	3	3	34	2,387	4,718
1-2pm	2,340	6	43	59	28	2,476	2,467	5	7	0	54	2,533	5,009
2-3pm	2,723	4	107	152	59	3,045	2,736	5	12	5	95	2,853	5,898
3-4pm	3,711	3	56	72	35	3,877	3,198	10	3	3	60	3,274	7,151
4-5pm	3,366	1	79	211	74	3,731	3,704	0	16	0	68	3,788	7,519
5-6pm	3,531	1	79	131	58	3,800	3,844	0	10	8	86	3,948 **	7,748
6-7pm	3,472	0	71	100	59	3,702	3,677	0	15	2	77	3,771	7,473
7-8pm	---	---	---	---	---	3,370	---	---	---	---	---	3,238	6,608
8-9pm	---	---	---	---	---	2,551	---	---	---	---	---	2,368	4,919
9-10pm	---	---	---	---	---	2,217	---	---	---	---	---	1,890	4,107
10-11pm	---	---	---	---	---	2,105	---	---	---	---	---	1,631	3,736
11-12pm	---	---	---	---	---	1,495	---	---	---	---	---	1,162	2,657
Totals	---	---	---	---	---	56,748	---	---	---	---	---	53,393	110,141
7-10am	11,033	12	259	393	197	11,894	10,291	10	36	28	260	10,625	22,519
10am-1pm	7,087	3	166	206	118	7,580	7,054	3	17	18	165	7,257	14,837
1-4pm	8,774	13	206	283	122	9,398	8,401	20	22	8	209	8,660	18,058
4-7pm	10,369	2	229	442	191	11,233	11,225	0	41	10	231	11,507	22,740
7am-7pm	37,263	30	860	1,324	628	40,105	36,971	33	116	64	865	38,049	78,154

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Pelham Bridge - 2002

	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	---	---	---	---	---	117	---	---	---	---	---	117	234
1-2am	---	---	---	---	---	73	---	---	---	---	---	73	123
2-3am	---	---	---	---	---	37	---	---	---	---	---	37	60
3-4am	---	---	---	---	---	27	---	---	---	---	---	27	50
4-5am	---	---	---	---	---	17	---	---	---	---	---	17	36
5-6am	---	---	---	---	---	62	---	---	---	---	---	62	102
6-7am	---	---	---	---	---	213	---	---	---	---	---	213	411
7-8am	344	15	12	25	17	413	303	10	7	14	13	347	760
8-9am	430	19	6	38	33	526	309	12	10	28	27	386	912
9-10am	330	7	2	24	28	391	271	5	7	29	17	329	720
10-11am	269	2	3	24	19	317	335	8	11	11	25	390	707
11-12am	299	4	5	18	25	351	341	5	13	67	29	455	806
12-1pm	354	8	2	4	12	380	468	13	3	12	7	503	883
1-2pm	472	7	0	14	9	502	456	8	7	17	11	499	1,001
2-3pm	513	20	8	30	33	604 **	468	12	6	28	18	532	1,136
3-4pm	538	12	1	13	21	585	559	23	5	17	11	615 **	1,200 **
4-5pm	474	5	4	12	26	521	521	7	2	17	15	562	1,083
5-6pm	466	6	2	14	24	512	540	14	15	13	29	611	1,123
6-7pm	409	6	2	3	17	437	491	8	12	17	12	540	977
7-8pm	---	---	---	---	---	395	---	---	---	---	---	395	960
8-9pm	---	---	---	---	---	436	---	---	---	---	---	436	859
9-10pm	---	---	---	---	---	328	---	---	---	---	---	328	644
10-11pm	---	---	---	---	---	264	---	---	---	---	---	264	516
11-12pm	---	---	---	---	---	202	---	---	---	---	---	202	360
Totals	---	---	---	---	---	7,710	---	---	---	---	---	7,953	15,663
7-10am	1,104	41	20	87	78	1,330	883	27	24	71	57	1,062	2,392
10am-1pm	922	14	10	46	56	1,048	1,144	26	27	90	61	1,348	2,396
1-4pm	1,523	39	9	57	63	1,691	1,483	43	18	62	40	1,646	3,337
4-7pm	1,349	17	8	29	67	1,470	1,552	29	29	47	56	1,713	3,183
7am-7pm	4,898	111	47	219	264	5,539	5,062	125	98	270	214	5,769	11,308

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Unionport Bridge - 2002

	<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	---	---	---	---	---	304	---	---	---	---	---	334	638
1-2am	---	---	---	---	---	193	---	---	---	---	---	158	351
2-3am	---	---	---	---	---	156	---	---	---	---	---	128	284
3-4am	---	---	---	---	---	120	---	---	---	---	---	120	240
4-5am	---	---	---	---	---	143	---	---	---	---	---	181	324
5-6am	---	---	---	---	---	306	---	---	---	---	---	560	866
6-7am	---	---	---	---	---	796	---	---	---	---	---	1,359	2,155
7-8am	1,362	36	20	114	37	1,569	1,880	36	2	40	56	2,014	3,583
8-9am	1,419	34	44	121	64	1,682	2,040	26	0	71	51	2,188	3,870 **
9-10am	896	25	44	95	59	1,119	1,385	18	0	40	53	1,496	2,615
10-11am	850	12	13	55	31	961	1,057	15	0	13	38	1,123	2,084
11-12am	898	12	46	127	62	1,145	1,127	13	0	73	88	1,301	2,446
12-1pm	1,147	12	25	73	33	1,290	1,279	9	0	29	25	1,342	2,632
1-2pm	1,017	9	34	121	66	1,247	1,184	18	1	86	86	1,375	2,622
2-3pm	1,424	16	43	129	53	1,665	1,418	23	0	85	87	1,613	3,278
3-4pm	1,870	15	18	63	37	2,003 **	1,599	40	0	39	57	1,735	3,738
4-5pm	1,707	17	36	137	67	1,964	1,512	24	0	57	113	1,706	3,670
5-6pm	1,737	22	44	127	37	1,967	1,575	25	0	55	66	1,721	3,688
6-7pm	1,543	31	42	92	32	1,740	1,425	15	0	27	45	1,512	3,252
7-8pm	---	---	---	---	---	1,404	---	---	---	---	---	1,251	2,655
8-9pm	---	---	---	---	---	1,054	---	---	---	---	---	967	2,021
9-10pm	---	---	---	---	---	945	---	---	---	---	---	802	1,747
10-11pm	---	---	---	---	---	766	---	---	---	---	---	647	1,413
11-12pm	---	---	---	---	---	604	---	---	---	---	---	571	1,175
Totals	---	---	---	---	---	25,143	---	---	---	---	---	26,204	51,347
7-10am	3,677	95	108	330	160	4,370	5,305	80	2	151	160	5,698	10,068
10am-1pm	2,895	36	84	255	126	3,396	3,463	37	0	115	151	3,766	7,162
1-4pm	4,311	40	95	313	156	4,915	4,201	81	1	210	230	4,723	9,638
4-7pm	4,987	70	122	356	136	5,671	4,512	64	0	139	224	4,939	10,610
7am-7pm	15,870	241	409	1,254	578	18,352	17,481	262	3	615	765	19,126	37,478

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Westchester Avenue Bridge - 2002

	<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	---	---	---	---	---	251	---	---	---	---	---	166	417
1-2am	---	---	---	---	---	147	---	---	---	---	---	112	259
2-3am	---	---	---	---	---	103	---	---	---	---	---	85	188
3-4am	---	---	---	---	---	84	---	---	---	---	---	67	151
4-5am	---	---	---	---	---	95	---	---	---	---	---	76	171
5-6am	---	---	---	---	---	158	---	---	---	---	---	147	305
6-7am	---	---	---	---	---	399	---	---	---	---	---	395	794
7-8am	566	34	17	25	22	664	932	42	1	26	67	1,068	1,732
8-9am	698	59	9	28	27	821	1,076	57	1	43	62	1,239 **	2,060
9-10am	666	33	14	14	20	747	659	17	0	30	64	770	1,517
10-11am	681	36	5	11	16	749	552	18	0	12	9	591	1,340
11-12am	714	33	9	40	49	845	499	17	0	39	60	615	1,460
12-1pm	788	24	2	9	17	840	569	22	0	27	27	645	1,485
1-2pm	772	46	9	18	18	863	602	22	0	12	27	663	1,526
2-3pm	817	60	7	36	52	972	630	32	0	22	47	731	1,703
3-4pm	1,099	84	2	18	14	1,217	744	27	0	15	18	804	2,021
4-5pm	1,109	45	26	25	23	1,228	815	38	0	26	50	929	2,157
5-6pm	1,160	26	14	25	40	1,265	776	22	0	23	81	902	2,167
6-7pm	1,339	43	3	13	59	1,457 **	643	10	0	2	67	722	2,179 **
7-8pm	---	---	---	---	---	1,400	---	---	---	---	---	619	2,019
8-9pm	---	---	---	---	---	842	---	---	---	---	---	488	1,330
9-10pm	---	---	---	---	---	651	---	---	---	---	---	421	1,072
10-11pm	---	---	---	---	---	539	---	---	---	---	---	323	862
11-12pm	---	---	---	---	---	372	---	---	---	---	---	264	636
Totals	---	---	---	---	---	16,709	---	---	---	---	---	12,842	29,551
7-10am	1,930	126	40	67	69	2,232	2,667	116	2	99	193	3,077	5,309
10am-1pm	2,183	93	16	60	82	2,434	1,620	57	0	78	96	1,851	4,285
1-4pm	2,688	190	18	72	84	3,052	1,976	81	0	49	92	2,198	5,250
4-7pm	3,608	114	43	63	122	3,950	2,234	70	0	51	198	2,553	6,503
7am-7pm	10,409	523	117	262	357	11,668	8,497	324	2	277	579	9,679	21,347

Based on 1989 Classification Survey Data

** Peak Volumes

Brooklyn Bridges
Average Daily Traffic Volume:
1948 - 2002

Year	Carroll Street	Crospey 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	23,842	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	41,360	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	26,604	111,694
1970	2,671	20,257	38,078	28,977	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	103,608
1978	1,126	22,068	36,443	21,457	104,174
1979	1,565	21,254	38,412	24,152	118,242
1980	Closed	21,462	36,084	23,717	103,792
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	110,498
1985	1,876	30,960	54,612	43,173	108,974
1986	Closed	31,998	48,274	35,372	114,876
1987	Closed	30,134	43,715	34,830	122,013
1988	Closed	32,341	51,721	37,682	114,287
1989	606	30,967	54,063	35,446	134,708
1990	1,153	30,592	52,170	37,289	142,142
1991	1,175	25,542	39,911	39,576	134,410
1992	1,387	28,230	56,227	37,510	130,737
1993	1,125	27,878	56,655	36,538	130,805
1994	1,132	27,181	50,309	36,026	134,605
1995	1,164	28,015	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	58,557	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

Brooklyn Bridges (cont'd)
Average Daily Traffic Volume:
1948 - 2002

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	6,094	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	176,306
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	6,867	15,196	5,962	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	5,690	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	8,868	13,692	4,328	8,842	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	7,829	14,444	5,420	5,659	242,662
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	18,737	Closed	9,418	274,393
1985	9,438	Closed	17,304	Closed	9,229	275,866
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	6,067	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

Hourly Vehicular Volumes Carroll Street Bridge - 2002

	Eastbound						Westbound						Grand Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	17							17
1-2am	---	---	---	---	---	6							6
2-3am	---	---	---	---	---	4							4
3-4am	---	---	---	---	---	2							2
4-5am	---	---	---	---	---	5							5
5-6am	---	---	---	---	---	11							11
6-7am	---	---	---	---	---	35							35
7-8am	31	0	15	21	15	82							82
8-9am	30	3	10	30	26	99							99
9-10am	22	0	7	23	9	61							61
10-11am	24	0	0	14	10	48							48
11-12am	24	0	7	19	17	67							67
12-1pm	11	0	12	18	20	61							61
1-2pm	22	0	11	12	28	73							73
2-3pm	2	0	20	47	24	93							93
3-4pm	78	0	2	9	6	95							95
4-5pm	86	0	4	9	14	113							113
5-6pm	91	0	9	5	9	114 **							114 **
6-7pm	67	0	4	1	4	76							76
7-8pm	---	---	---	---	---	54							54
8-9pm	---	---	---	---	---	43							43
9-10pm	---	---	---	---	---	37							37
10-11pm	---	---	---	---	---	27							27
11-12pm	---	---	---	---	---	25							25
Totals	---	---	---	---	---	1,248	---	---	---	---	---	---	1,248
7-10am	83	3	32	74	50	242	---	---	---	---	---	---	242
10am-1pm	59	0	19	51	47	176	---	---	---	---	---	---	176
1-4pm	102	0	33	68	58	261	---	---	---	---	---	---	261
4-7pm	244	0	17	15	27	303	---	---	---	---	---	---	303
7am-7pm	488	3	101	208	182	982	---	---	---	---	---	---	982

Bridge is 1-way eastbound

Based on 1989 Classification Survey Data

** Peak Volumes

**Hourly Vehicular Volumes
Cropsey Avenue Bridge - 2002**

	Northbound						Southbound						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	245	---	---	---	---	---	306	551
1-2am	---	---	---	---	---	144	---	---	---	---	---	183	327
2-3am	---	---	---	---	---	117	---	---	---	---	---	135	252
3-4am	---	---	---	---	---	92	---	---	---	---	---	92	184
4-5am	---	---	---	---	---	133	---	---	---	---	---	123	256
5-6am	---	---	---	---	---	300	---	---	---	---	---	351	651
6-7am	---	---	---	---	---	667	---	---	---	---	---	677	1,344
7-8am	754	66	2	40	74	936	875	94	0	51	36	1,056	1,992
8-9am	779	51	3	47	53	933	996	81	2	55	39	1,173	2,106
9-10am	652	43	1	43	77	816	644	77	3	46	63	833	1,649
10-11am	729	41	0	26	37	833	679	23	0	30	35	767	1,600
11-12am	751	26	0	69	61	907	637	24	1	66	72	800	1,707
12-1pm	859	47	0	32	41	979	823	29	0	26	22	900	1,879
1-2pm	884	66	0	34	46	1,030	865	33	1	22	37	958	1,988
2-3pm	904	87	3	69	82	1,145	852	49	0	58	71	1,030	2,175
3-4pm	1,080	102	1	35	44	1,262	933	74	2	24	52	1,085	2,347
4-5pm	1,027	47	0	62	77	1,213	900	51	0	24	84	1,059	2,272
5-6pm	965	12	0	61	73	1,111	834	17	8	39	86	984	2,095
6-7pm	868	22	0	36	47	973	856	7	0	14	62	939	1,912
7-8pm	---	---	---	---	---	777	---	---	---	---	---	840	1,617
8-9pm	---	---	---	---	---	619	---	---	---	---	---	742	1,361
9-10pm	---	---	---	---	---	559	---	---	---	---	---	658	1,217
10-11pm	---	---	---	---	---	480	---	---	---	---	---	527	1,007
11-12pm	---	---	---	---	---	411	---	---	---	---	---	425	836
Totals	---	---	---	---	---	16,682	---	---	---	---	---	16,643	33,325
7-10am	2,185	160	6	130	204	2,685	2,515	252	5	152	138	3,062	5,747
10am-1pm	2,339	114	0	127	139	2,719	2,139	76	1	122	129	2,467	5,186
1-4pm	2,868	255	4	138	172	3,437	2,650	156	3	104	160	3,073	6,510
4-7pm	2,860	81	0	159	197	3,297	2,590	75	8	77	232	2,982	6,279
7am-7pm	10,252	610	10	554	712	12,138	9,894	559	17	455	659	11,584	23,722

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hamilton Avenue Bridge - 2002

	Northbound						Southbound						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	434	---	---	---	---	---	305	739
1-2am	---	---	---	---	---	256	---	---	---	---	---	188	444
2-3am	---	---	---	---	---	217	---	---	---	---	---	177	394
3-4am	---	---	---	---	---	210	---	---	---	---	---	173	383
4-5am	---	---	---	---	---	329	---	---	---	---	---	307	636
5-6am	---	---	---	---	---	1,642	---	---	---	---	---	397	2,039
6-7am	---	---	---	---	---	3,063	---	---	---	---	---	857	3,920
7-8am	2,658	38	49	245	290	3,280 **	422	43	177	363	183	1,188	4,468 **
8-9am	2,347	14	44	262	313	2,980	809	47	78	323	183	1,440	4,420
9-10am	2,072	30	36	277	276	2,691	619	58	107	520	211	1,515	4,206
10-11am	2,397	19	22	186	175	2,799	996	36	59	211	117	1,419	4,218
11-12am	1,703	19	24	239	233	2,218	577	23	135	349	253	1,337	3,555
12-1pm	1,674	9	9	86	76	1,854	731	5	48	105	72	961	2,815
1-2pm	1,577	25	10	119	78	1,809	659	10	37	124	80	910	2,719
2-3pm	1,469	52	21	228	212	1,982	537	14	124	318	277	1,270	3,252
3-4pm	1,688	64	9	123	107	1,991	1,109	14	64	104	88	1,379	3,370
4-5pm	1,719	57	15	178	189	2,158	1,285	12	131	170	174	1,772	3,930
5-6pm	1,493	15	13	157	129	1,807	1,511	8	96	103	173	1,891 **	3,698
6-7pm	1,237	6	12	67	117	1,439	1,248	8	88	67	96	1,507	2,946
7-8pm	---	---	---	---	---	1,220	---	---	---	---	---	1,308	2,528
8-9pm	---	---	---	---	---	1,098	---	---	---	---	---	654	1,752
9-10pm	---	---	---	---	---	953	---	---	---	---	---	510	1,463
10-11pm	---	---	---	---	---	748	---	---	---	---	---	454	1,202
11-12pm	---	---	---	---	---	608	---	---	---	---	---	370	978
Totals	---	---	---	---	---	37,786	---	---	---	---	---	22,289	60,075
7-10am	7,077	82	129	784	879	8,951	1,850	148	362	1,206	577	4,143	13,094
10am-1pm	5,774	47	55	511	484	6,871	2,304	64	242	665	442	3,717	10,588
1-4pm	4,734	141	40	470	397	5,782	2,305	38	225	546	445	3,559	9,341
4-7pm	4,449	78	40	402	435	5,404	4,044	28	315	340	443	5,170	10,574
7am-7pm	22,034	348	264	2,167	2,195	27,008	10,503	278	1,144	2,757	1,907	16,589	43,597

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Metropolitan Avenue Bridge - 2002

	<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	---	---	---	---	---	396	---	---	---	---	---	289	685
1-2am	---	---	---	---	---	265	---	---	---	---	---	213	478
2-3am	---	---	---	---	---	211	---	---	---	---	---	189	400
3-4am	---	---	---	---	---	218	---	---	---	---	---	181	399
4-5am	---	---	---	---	---	250	---	---	---	---	---	254	504
5-6am	---	---	---	---	---	422	---	---	---	---	---	601	1,023
6-7am	---	---	---	---	---	700	---	---	---	---	---	1,292	1,992
7-8am	586	15	15	126	40	782	1,241	35	69	236	94	1,675	** 2,457
8-9am	514	15	21	166	82	798	983	16	45	250	105	1,399	2,197
9-10am	417	35	21	239	96	808	744	35	40	302	108	1,229	2,037
10-11am	719	8	11	101	38	877	997	22	30	115	39	1,203	2,080
11-12am	590	17	28	281	86	1,002	760	21	55	280	96	1,212	2,214
12-1pm	854	17	19	112	35	1,037	882	17	28	118	39	1,084	2,121
1-2pm	871	30	9	109	54	1,073	926	25	24	96	43	1,114	2,187
2-3pm	780	14	31	203	96	1,124	813	20	35	218	98	1,184	2,308
3-4pm	1,052	14	27	110	51	1,254	1,033	25	20	121	59	1,258	2,512
4-5pm	1,088	36	60	166	122	1,472	1,007	17	34	175	85	1,318	2,790
5-6pm	1,220	14	76	165	130	1,605	** 948	11	63	104	88	1,214	** 2,819
6-7pm	1,016	11	55	113	84	1,279	825	14	46	54	49	988	2,267
7-8pm	---	---	---	---	---	1,022	---	---	---	---	---	857	1,879
8-9pm	---	---	---	---	---	815	---	---	---	---	---	670	1,485
9-10pm	---	---	---	---	---	617	---	---	---	---	---	561	1,178
10-11pm	---	---	---	---	---	540	---	---	---	---	---	515	1,055
11-12pm	---	---	---	---	---	462	---	---	---	---	---	415	877
Totals	---	---	---	---	---	19,029	---	---	---	---	---	20,915	39,944
7-10am	1,517	65	57	531	218	2,388	2,968	86	154	788	307	4,303	6,691
10am-1pm	2,163	42	58	494	159	2,916	2,639	60	113	513	174	3,499	6,415
1-4pm	2,703	58	67	422	201	3,451	2,772	70	79	435	200	3,556	7,007
4-7pm	3,324	61	191	444	336	4,356	2,780	42	143	333	222	3,520	7,876
7am-7pm	9,707	226	373	1,891	914	13,111	11,159	258	489	2,069	903	14,878	27,989

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Mill Basin Bridge - 2002

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	1,030	---	---	---	---	---	1,162	2,192
1-2am	---	---	---	---	---	565	---	---	---	---	---	560	1,125
2-3am	---	---	---	---	---	371	---	---	---	---	---	338	709
3-4am	---	---	---	---	---	383	---	---	---	---	---	286	669
4-5am	---	---	---	---	---	612	---	---	---	---	---	490	1,102
5-6am	---	---	---	---	---	1,858	---	---	---	---	---	1,571	3,429
6-7am	---	---	---	---	---	4,244	---	---	---	---	---	3,526	7,770
7-8am	4,482	63	23	5	243	4,816 **	4,249	20	0	133	161	4,563	9,379 **
8-9am	4,317	17	15	16	197	4,562	4,009	51	0	116	204	4,380	8,942
9-10am	3,422	9	16	23	244	3,714	3,860	75	1	117	199	4,252	7,966
10-11am	3,655	9	13	15	100	3,792	3,406	17	0	36	62	3,521	7,313
11-12am	3,018	5	66	31	294	3,414	3,195	0	5	169	168	3,537	6,951
12-1pm	3,335	5	21	15	116	3,492	3,166	0	0	74	121	3,361	6,853
1-2pm	3,346	92	14	12	111	3,575	3,410	10	0	38	79	3,537	7,112
2-3pm	3,978	41	27	16	325	4,387	3,934	7	0	120	183	4,244	8,631
3-4pm	4,273	25	16	6	154	4,474	4,364	78	0	85	119	4,646 **	9,120
4-5pm	4,189	13	40	7	250	4,499	4,225	42	2	132	200	4,601	9,100
5-6pm	4,293	6	19	14	208	4,540	4,200	31	3	135	168	4,537	9,077
6-7pm	3,759	4	15	5	192	3,975	4,146	3	1	110	160	4,420	8,395
7-8pm	---	---	---	---	---	3,567	---	---	---	---	---	3,904	7,471
8-9pm	---	---	---	---	---	3,115	---	---	---	---	---	3,142	6,257
9-10pm	---	---	---	---	---	2,613	---	---	---	---	---	2,791	5,404
10-11pm	---	---	---	---	---	2,144	---	---	---	---	---	1,853	3,997
11-12pm	---	---	---	---	---	1,590	---	---	---	---	---	1,551	3,141
Totals	---	---	---	---	---	71,332	---	---	---	---	---	70,773	142,105
7-10am	12,221	89	54	44	684	13,092	12,118	146	1	366	564	13,195	26,287
10am-1pm	10,008	19	100	61	510	10,698	9,767	17	5	279	351	10,419	21,117
1-4pm	11,597	158	57	34	590	12,436	11,708	95	0	243	381	12,427	24,863
4-7pm	12,241	23	74	26	650	13,014	12,571	76	6	377	528	13,558	26,572
7am-7pm	46,067	289	285	165	2,434	49,240	46,164	334	12	1,265	1,824	49,599	98,839

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Ninth Street Bridge - 2002

	<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	---	---	---	---	---	68	---	---	---	---	---	88	156
1-2am	---	---	---	---	---	34	---	---	---	---	---	46	80
2-3am	---	---	---	---	---	27	---	---	---	---	---	43	70
3-4am	---	---	---	---	---	16	---	---	---	---	---	29	45
4-5am	---	---	---	---	---	30	---	---	---	---	---	58	88
5-6am	---	---	---	---	---	41	---	---	---	---	---	145	186
6-7am	---	---	---	---	---	133	---	---	---	---	---	266	399
7-8am	122	17	4	14	10	167	286	7	0	33	27	353	520
8-9am	133	19	8	42	14	216	462	5	0	48	38	553	769
9-10am	138	17	4	41	19	219	348	8	0	35	22	413	632
10-11am	155	15	3	17	10	200	286	7	0	13	11	317	517
11-12am	117	11	7	33	7	175	180	20	0	60	28	288	463
12-1pm	141	9	8	18	8	184	189	20	0	53	26	288	472
1-2pm	92	11	12	64	12	191	209	5	28	18	18	278	469
2-3pm	110	12	8	36	14	180	221	12	11	24	18	286	466
3-4pm	155	10	2	15	11	193	267	15	0	23	13	318	511
4-5pm	159	9	4	23	16	211	228	10	0	36	22	296	507
5-6pm	151	13	1	23	8	196	231	16	0	16	11	274	470
6-7pm	125	12	1	32	12	182	204	7	0	9	6	226	408
7-8pm	---	---	---	---	---	125	---	---	---	---	---	178	303
8-9pm	---	---	---	---	---	101	---	---	---	---	---	150	251
9-10pm	---	---	---	---	---	95	---	---	---	---	---	145	240
10-11pm	---	---	---	---	---	73	---	---	---	---	---	129	202
11-12pm	---	---	---	---	---	77	---	---	---	---	---	98	175
Totals	---	---	---	---	---	3,134	---	---	---	---	---	5,265	8,399
7-10am	393	53	16	97	43	602	1,096	20	0	116	87	1,319	1,921
10am-1pm	413	35	18	68	25	559	655	47	0	126	65	893	1,452
1-4pm	357	33	22	115	37	564	697	32	39	65	49	882	1,446
4-7pm	435	34	6	78	36	589	663	33	0	61	39	796	1,385
7am-7pm	1,598	155	62	358	141	2,314	3,111	132	39	368	240	3,890	6,204

Based on 1989 Classification Survey Data

** Peak Volumes

**Hourly Vehicular Volumes
Stillwell Avenue Bridge - 2002**

	Northbound						Southbound						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	52	---	---	---	---	---	55	107
1-2am	---	---	---	---	---	35	---	---	---	---	---	33	68
2-3am	---	---	---	---	---	22	---	---	---	---	---	22	44
3-4am	---	---	---	---	---	19	---	---	---	---	---	26	45
4-5am	---	---	---	---	---	17	---	---	---	---	---	29	46
5-6am	---	---	---	---	---	42	---	---	---	---	---	58	100
6-7am	---	---	---	---	---	123	---	---	---	---	---	154	277
7-8am	216	20	0	35	0	271	217	47	0	15	0	279	550
8-9am	219	30	0	41	0	290	258	34	0	20	0	312	602
9-10am	188	29	0	34	0	251	183	17	0	81	0	281	532
10-11am	173	27	0	43	0	243	207	22	0	58	0	287	530
11-12am	200	11	0	56	0	267	236	15	0	44	0	295	562
12-1pm	202	14	0	74	0	290	249	18	0	43	0	310	600
1-2pm	202	23	0	75	0	300	243	21	0	70	0	334	634
2-3pm	229	27	0	63	0	319	232	27	0	97	0	356 **	675
3-4pm	322	43	0	50	0	415 **	273	18	0	44	0	335	750
4-5pm	307	41	0	50	0	398	286	21	0	46	0	353	751 **
5-6pm	316	25	0	22	0	363	289	18	0	32	0	339	702
6-7pm	253	27	0	13	0	293	251	23	0	12	0	286	579
7-8pm	---	---	---	---	---	209	---	---	---	---	---	213	422
8-9pm	---	---	---	---	---	145	---	---	---	---	---	162	307
9-10pm	---	---	---	---	---	123	---	---	---	---	---	136	259
10-11pm	---	---	---	---	---	94	---	---	---	---	---	113	207
11-12pm	---	---	---	---	---	97	---	---	---	---	---	88	185
Totals	---	---	---	---	---	4,678	---	---	---	---	---	4,856	9,534
7-10am	623	79	0	110	0	812	658	98	0	116	0	872	1,684
10am-1pm	575	52	0	173	0	800	692	55	0	145	0	892	1,692
1-4pm	753	93	0	188	0	1,034	748	66	0	211	0	1,025	2,059
4-7pm	876	93	0	85	0	1,054	826	62	0	90	0	978	2,032
7am-7pm	2,827	317	0	556	0	3,700	2,924	281	0	562	0	3,767	7,467

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Third Avenue Bridge - 2002

	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	---	---	---	---	---	94	---	---	---	---	---	135	229
1-2am	---	---	---	---	---	58	---	---	---	---	---	89	147
2-3am	---	---	---	---	---	45	---	---	---	---	---	61	106
3-4am	---	---	---	---	---	45	---	---	---	---	---	48	93
4-5am	---	---	---	---	---	68	---	---	---	---	---	70	138
5-6am	---	---	---	---	---	338	---	---	---	---	---	104	442
6-7am	---	---	---	---	---	867	---	---	---	---	---	195	1,062
7-8am	890	17	0	126	92	1,125	230	6	0	42	32	310	1,435
8-9am	944	12	0	97	85	1,138 **	243	10	0	54	28	335	1,473
9-10am	494	10	0	166	113	783	283	8	2	67	44	404	1,187
10-11am	566	11	0	41	36	654	372	5	1	38	29	445	1,099
11-12am	436	8	1	93	57	595	356	5	0	68	47	476	1,071
12-1pm	478	3	0	29	21	531	483	4	1	30	27	545	1,076
1-2pm	426	8	0	61	44	539	487	5	0	37	32	561	1,100
2-3pm	393	17	0	113	82	605	472	7	0	105	62	646	1,251
3-4pm	484	13	0	46	40	583	725	7	0	28	37	797	1,380
4-5pm	493	9	0	63	68	633	781	9	0	80	94	964	1,597
5-6pm	539	6	0	28	43	616	890	5	0	58	75	1,028 **	1,644 **
6-7pm	360	9	0	28	20	417	731	7	0	52	70	860	1,277
7-8pm	---	---	---	---	---	319	---	---	---	---	---	573	892
8-9pm	---	---	---	---	---	233	---	---	---	---	---	389	622
9-10pm	---	---	---	---	---	196	---	---	---	---	---	286	482
10-11pm	---	---	---	---	---	159	---	---	---	---	---	238	397
11-12pm	---	---	---	---	---	131	---	---	---	---	---	207	338
Totals	---	---	---	---	---	10,772	---	---	---	---	---	9,766	20,538
7-10am	2,328	39	0	389	290	3,046	756	24	2	163	104	1,049	4,095
10am-1pm	1,480	22	1	163	114	1,780	1,211	14	2	136	103	1,466	3,246
1-4pm	1,303	38	0	220	166	1,727	1,684	19	0	170	131	2,004	3,731
4-7pm	1,392	24	0	119	131	1,666	2,402	21	0	190	239	2,852	4,518
7am-7pm	6,503	123	1	891	701	8,219	6,053	78	4	659	577	7,371	15,590

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Third Street Bridge - 2002

	<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	---	---	---	---	---	25	---	---	---	---	---	45	70
1-2am	---	---	---	---	---	9	---	---	---	---	---	24	33
2-3am	---	---	---	---	---	11	---	---	---	---	---	18	29
3-4am	---	---	---	---	---	9	---	---	---	---	---	13	22
4-5am	---	---	---	---	---	14	---	---	---	---	---	17	31
5-6am	---	---	---	---	---	31	---	---	---	---	---	133	164
6-7am	---	---	---	---	---	88	---	---	---	---	---	374	462
7-8am	124	5	0	15	13	157	653	15	7	38	53	766	923
8-9am	200	0	0	19	14	233	831	10	5	44	68	958 **	1,191 **
9-10am	142	0	0	19	25	186	501	1	1	46	53	602	788
10-11am	151	0	0	7	7	165	392	0	0	32	30	454	619
11-12am	143	0	2	23	9	177	246	3	2	67	58	376	553
12-1pm	167	0	0	8	9	184	308	3	0	26	16	353	537
1-2pm	179	0	0	0	7	186	249	10	12	20	17	308	494
2-3pm	200	0	0	13	8	221	262	8	39	60	22	391	612
3-4pm	273	10	0	10	4	297	332	12	18	24	12	398	695
4-5pm	296	0	0	11	21	328	262	3	19	36	13	333	661
5-6pm	337	0	0	15	28	380 **	254	3	14	27	0	298	678
6-7pm	261	0	0	7	2	270	176	3	18	14	2	213	483
7-8pm	---	---	---	---	---	187	---	---	---	---	---	199	386
8-9pm	---	---	---	---	---	108	---	---	---	---	---	124	232
9-10pm	---	---	---	---	---	78	---	---	---	---	---	110	188
10-11pm	---	---	---	---	---	77	---	---	---	---	---	98	175
11-12pm	---	---	---	---	---	51	---	---	---	---	---	69	120
Totals	---	---	---	---	---	3,472	---	---	---	---	---	6,674	10,146
7-10am	466	5	0	53	52	576	1,985	26	13	128	174	2,326	2,902
10am-1pm	461	0	2	38	25	526	946	6	2	125	104	1,183	1,709
1-4pm	652	10	0	23	19	704	843	30	69	104	51	1,097	1,801
4-7pm	894	0	0	33	51	978	692	9	51	77	15	844	1,822
7am-7pm	2,473	15	2	147	147	2,784	4,466	71	135	434	344	5,450	8,234

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Union Street Bridge - 2002

	Eastbound						Westbound						Grand Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	63							63
1-2am	---	---	---	---	---	30							30
2-3am	---	---	---	---	---	26							26
3-4am	---	---	---	---	---	7							7
4-5am	---	---	---	---	---	17							17
5-6am	---	---	---	---	---	31							31
6-7am	---	---	---	---	---	92							92
7-8am	149	8	0	15	16	188							188
8-9am	197	9	0	27	24	257							257
9-10am	172	4	0	18	36	230							230
10-11am	227	5	0	8	11	251							251
11-12am	180	2	0	20	22	224							224
12-1pm	214	1	0	10	20	245							245
1-2pm	230	5	0	14	14	263							263
2-3pm	203	4	0	37	28	272							272
3-4pm	303	3	0	15	12	333							333
4-5pm	295	2	0	19	25	341							341
5-6pm	359	1	0	7	19	386 **							386 **
6-7pm	270	1	0	14	20	305							305
7-8pm	---	---	---	---	---	244							244
8-9pm	---	---	---	---	---	197							197
9-10pm	---	---	---	---	---	174							174
10-11pm	---	---	---	---	---	177							177
11-12pm	---	---	---	---	---	82							82
Totals	---	---	---	---	---	4,435	---	---	---	---	---	---	4,435
7-10am	518	21	0	60	76	675	---	---	---	---	---	---	675
10am-1pm	621	8	0	38	53	720	---	---	---	---	---	---	720
1-4pm	736	12	0	66	54	868	---	---	---	---	---	---	868
4-7pm	924	4	0	40	64	1,032	---	---	---	---	---	---	1,032
7am-7pm	2,799	45	0	204	247	3,295	---	---	---	---	---	---	3,295

Bridge is 1-way eastbound

Based on 1989 Classification Survey Data

** Peak Volumes

Queens Bridges
Average Daily Traffic Volumes
1948 - 2002

Queens Bridges (cont'd)
Average Daily Traffic Volumes
1948 - 2002

Year	Borden Avenue	Flushing	Hook Creek	Hunters Point	Little Neck	Midtown Highway	Year	North Channel	Rikers Island	Roosevelt Avenue	Roosevelt Island	Whitestone Expressway	Totals
1948	4,846	26,276	9,620	5,500	22,255	28,754	1948	8,521	Bridge opened	14,044	Bridge opened	27,290	147,106
1949	11,052	29,949	14,969	9,482	21,190	27,963	1949	8,855		18,907		31,558	173,925
1950	6,222	30,836	18,240	6,751	19,549	32,429	1950	7,361	11/22/1966	20,451	05/18/1955	38,771	180,610
1951	5,930	50,918	16,064	6,000	30,873	31,812	1951	9,268		9,330		39,368	200,163
1952	6,155	40,589	16,856	5,888	31,544	35,088	1952	8,952		23,596		44,219	212,687
1953	7,473	46,952	17,218	6,575	29,266	34,513	1953	10,941		20,473		47,455	220,866
1954	5,997	39,837	23,389	7,611	35,614	30,495	1954	10,661		18,007		50,089	221,700
1955	6,793	34,201	19,481	2,984	30,428	39,650	1955	11,315		20,123	2,144	51,577	218,696
1956	7,612	47,985	20,796	6,267	43,761	49,944	1956	10,216		17,987	2,689	57,982	265,239
1957	7,759	53,836	18,691	7,018	38,387	47,481	1957	6,192		20,984	2,157	58,606	261,111
1958	7,833	43,075	28,031	5,735	30,029	45,593	1958	12,763		19,653	3,137	60,687	256,536
1959	9,992	28,616	30,663	7,603	27,072	55,665	1959	13,453		29,616	2,760	58,761	264,201
1960	9,739	37,833	33,549	7,753	23,718	62,051	1960	14,923		18,153	3,014	48,615	259,348
1961	9,030	36,383	34,598	7,337	24,851	62,520	1961	13,165		21,475	2,947	53,542	265,848
1962	8,860	35,370	36,590	7,150	26,670	57,800	1962	15,900		20,984	3,220	41,340	257,140
1963	9,480	46,210	37,450	7,170	30,040	57,770	1963	19,730		29,500	3,220	47,620	288,190
1964	16,530	40,220	38,620	5,110	27,980	60,610	1964	18,020		18,110	3,440	83,450	312,090
1965	8,026	40,484	35,185	6,852	33,504	60,973	1965	20,629		20,143	3,791	81,201	310,588
1966	9,461	42,613	38,742	6,892	33,393	68,752	1966	18,890		18,728	4,133	71,795	313,379
1967	9,348	32,479	38,995	6,206	37,097	72,962	1967	17,748	1,973	21,493	5,973	110,963	354,637
1968	8,761	38,664	44,000	6,601	36,281	69,058	1968	18,258	2,809	21,352	4,987	136,741	387,512
1969	11,083	47,945	51,067	7,073	38,901	62,712	1969	18,957	2,983	19,588	4,675	122,162	387,146
1970	10,318	47,311	44,588	6,544	42,606	84,844	1970	20,937	3,543	21,656	6,201	111,833	400,381
1971	11,721	48,238	44,185	7,072	44,528	75,706	1971	22,426	3,594	21,587	6,182	117,614	402,853
1972	11,201	50,499	45,365	6,825	38,604	65,481	1972	20,342	3,680	20,754	7,007	118,050	387,808
1973	11,276	54,597	50,681	8,515	44,193	73,292	1973	17,885	4,850	20,910	7,944	113,395	407,538
1974	12,272	48,909	53,120	5,899	39,506	68,127	1974	19,541	4,794	19,545	8,656	123,204	403,573
1975	17,135	53,431	48,089	Closed	37,741	67,933	1975	18,971	4,784	19,256	6,417	116,750	390,507
1976	17,883	47,569	55,722	Closed	39,382	64,438	1976	15,231	4,891	17,351	7,031	118,164	387,662
1977	17,072	49,420	44,370	Closed	43,122	60,501	1977	16,228	4,423	18,776	7,809	125,682	387,403
1978	16,769	48,491	47,286	Closed	42,052	85,223	1978	18,456	4,728	19,058	6,851	121,123	410,037
1979	16,055	35,518	52,650	Closed	46,197	70,893	1979	19,004	5,491	19,980	6,838	121,123	393,749
1980	15,068	48,856	45,169	Closed	38,735	74,334	1980	19,156	6,066	19,090	7,501	110,606	384,581
1981	18,630	42,040	50,566	Closed	41,135	100,182	1981	15,931	6,085	17,911	8,383	132,023	432,886
1982	21,793	54,661	52,193	Closed	41,470	100,182	1982	15,931	6,946	16,944	8,064	120,944	439,128
1983	22,123	51,237	54,087	Closed	44,436	88,132	1983	15,392	7,807	15,051	8,940	139,721	446,926
1984	18,724	54,323	50,681	4,044	47,623	89,000	1984	16,323	9,487	20,292	8,787	129,834	449,118
1985	18,723	64,382	50,458	4,755	42,737	73,315	1985	21,619	6,019	25,548	8,190	134,650	450,396
1986	14,714	64,371	56,735	5,870	44,125	71,938	1986	18,480	8,056	23,219	9,199	139,464	456,171
1987	15,067	62,811	57,634	5,938	45,069	70,079	1987	16,620	12,386	19,567	8,754	153,040	466,965
1988	14,907	62,956	61,083	6,549	43,826	71,761	1988	17,032	12,070	22,567	10,207	150,777	473,735
1989	14,698	61,756	63,406	6,746	36,085	65,160	1989	17,242	11,493	24,440	9,501	151,292	461,819
1990	18,430	61,248	57,680	10,849	28,746	66,269	1990	18,115	11,195	23,285	9,275	145,247	450,319
1991	16,122	58,189	57,442	10,279	42,895	74,328	1991	19,267	12,491	23,466	10,236	141,824	466,539
1992	13,146	61,306	64,502	10,997	48,388	72,144	1992	19,666	15,579	23,887	9,751	145,669	484,835
1993	15,074	54,005	60,517	8,138	48,906	64,368	1993	17,699	14,206	28,012	9,830	146,440	467,195
1994	14,412	58,837	64,545	6,804	48,314	66,633	1994	16,516	12,494	24,631	9,638	155,969	478,793
1995	14,074	59,543	66,517	7,594	50,034	67,810	1995	17,388	12,213	22,758	9,382	147,029	474,342
1996	16,661	61,211	66,151	7,781	49,640	69,394	1996	17,519	11,906	22,543	9,489	163,576	495,873
1997	14,293	59,792	63,618	7,275	51,718	69,273	1997	18,991	12,461	24,566	9,302	172,034	503,323
1998	15,182	60,864	66,123	7,024	52,876	70,486	1998	19,114	15,672	22,994	10,048	182,516	522,899
1999	14,156	63,348	70,555	8,509	52,846	72,749	1999	19,337	14,240	23,784	9,491	192,099	541,114
2000	15,063	66,243	74,130	8,475	49,504	79,662	2000	20,673	13,150	22,749	9,198	192,482	551,329
2001	15,780	62,364	72,027	8,261	53,423	82,431	2001	20,785	14,503	22,556	9,655	189,031	551,116
2002	15,788	64,301	69,963	7,822	58,529	81,392	2002	22,779	13,447	22,235	9,444	188,758	554,458

Hourly Vehicular Volumes Borden Avenue Bridge - 2002

	<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	---	---	---	---	---	50	---	---	---	---	---	96	146
1-2am	---	---	---	---	---	59	---	---	---	---	---	61	120
2-3am	---	---	---	---	---	41	---	---	---	---	---	72	113
3-4am	---	---	---	---	---	43	---	---	---	---	---	91	134
4-5am	---	---	---	---	---	45	---	---	---	---	---	148	193
5-6am	---	---	---	---	---	82	---	---	---	---	---	484	566
6-7am	---	---	---	---	---	135	---	---	---	---	---	956	1,091
7-8am	101	7	4	47	25	184	823	16	32	102	104	1,077	1,261
8-9am	137	8	7	88	42	282	953	11	14	92	40	1,110	1,392
9-10am	108	7	3	72	40	230	604	5	11	97	62	779	1,009
10-11am	181	5	9	49	21	265	525	9	5	47	15	601	866
11-12am	111	4	3	83	36	237	404	7	9	118	44	582	819
12-1pm	192	5	3	35	18	253	501	6	5	60	18	590	843
1-2pm	186	2	3	38	18	247	471	6	5	64	40	586	833
2-3pm	156	2	21	89	41	309	455	13	10	121	41	640	949
3-4pm	265	3	9	27	10	314	540	42	4	44	21	651	965
4-5pm	314	8	20	41	30	413	428	39	11	74	21	573	986
5-6pm	406	4	13	57	27	507	449	20	8	26	22	525	1,032
6-7pm	232	1	15	43	28	319	312	12	9	25	15	373	692
7-8pm	---	---	---	---	---	244	---	---	---	---	---	284	528
8-9pm	---	---	---	---	---	150	---	---	---	---	---	241	391
9-10pm	---	---	---	---	---	121	---	---	---	---	---	200	321
10-11pm	---	---	---	---	---	98	---	---	---	---	---	183	281
11-12pm	---	---	---	---	---	87	---	---	---	---	---	170	257
Totals	---	---	---	---	---	4,715	---	---	---	---	---	11,073	15,788
7-10am	346	22	14	207	107	696	2,380	32	57	291	206	2,966	3,662
10am-1pm	484	14	15	167	75	755	1,430	22	19	225	77	1,773	2,528
1-4pm	607	7	33	154	69	870	1,466	61	19	229	102	1,877	2,747
4-7pm	952	13	48	141	85	1,239	1,189	71	28	125	58	1,471	2,710
7am-7pm	2,389	56	110	669	336	3,560	6,465	186	123	870	443	8,087	11,647

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Flushing Bridge - 2002

	<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	---	---	---	---	---	522	---	---	---	---	---	473	995
1-2am	---	---	---	---	---	332	---	---	---	---	---	311	643
2-3am	---	---	---	---	---	227	---	---	---	---	---	255	482
3-4am	---	---	---	---	---	198	---	---	---	---	---	258	456
4-5am	---	---	---	---	---	218	---	---	---	---	---	350	568
5-6am	---	---	---	---	---	367	---	---	---	---	---	804	1,171
6-7am	---	---	---	---	---	758	---	---	---	---	---	1,950	2,708
7-8am	1,033	45	7	89	123	1,297	2,252	14	57	107	247	2,677	3,974
8-9am	1,260	30	18	121	139	1,568	2,154	26	54	141	283	2,658	4,226
9-10am	1,266	14	32	137	99	1,548	1,600	11	64	164	267	2,106	3,654
10-11am	1,365	17	20	70	84	1,556	1,629	14	17	82	96	1,838	3,394
11-12am	1,191	8	46	118	200	1,563	1,307	2	25	123	158	1,615	3,178
12-1pm	1,444	8	26	59	92	1,629	1,497	6	6	78	95	1,682	3,311
1-2pm	1,357	19	16	62	128	1,582	1,614	14	24	73	45	1,770	3,352
2-3pm	1,249	28	33	133	331	1,774	1,490	23	60	115	103	1,791	3,565
3-4pm	1,706	20	18	53	188	1,985	1,674	31	23	55	47	1,830	3,815
4-5pm	1,678	15	31	66	299	2,089	1,559	12	34	63	96	1,764	3,853
5-6pm	1,842	14	16	54	270	2,196	1,546	7	51	57	99	1,760	3,956
6-7pm	1,924	10	11	41	234	2,220	1,555	8	16	40	55	1,674	3,894
7-8pm	---	---	---	---	---	2,039	---	---	---	---	---	1,551	3,590
8-9pm	---	---	---	---	---	1,604	---	---	---	---	---	1,443	3,047
9-10pm	---	---	---	---	---	1,319	---	---	---	---	---	1,271	2,590
10-11pm	---	---	---	---	---	1,219	---	---	---	---	---	1,082	2,301
11-12pm	---	---	---	---	---	776	---	---	---	---	---	802	1,578
Totals	---	---	---	---	---	30,586	---	---	---	---	---	33,715	64,301
7-10am	3,559	89	57	347	361	4,413	6,006	51	175	412	797	7,441	11,854
10am-1pm	4,000	33	92	247	376	4,748	4,433	22	48	283	349	5,135	9,883
1-4pm	4,312	67	67	248	647	5,341	4,778	68	107	243	195	5,391	10,732
4-7pm	5,444	39	58	161	803	6,505	4,660	27	101	160	250	5,198	11,703
7am-7pm	17,315	228	274	1,003	2,187	21,007	19,877	168	431	1,098	1,591	23,165	44,172

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hook Creek Bridge - 2002

	Northbound						Southbound						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	442	---	---	---	---	---	703	1,145
1-2am	---	---	---	---	---	248	---	---	---	---	---	380	628
2-3am	---	---	---	---	---	153	---	---	---	---	---	233	386
3-4am	---	---	---	---	---	152	---	---	---	---	---	181	333
4-5am	---	---	---	---	---	292	---	---	---	---	---	211	503
5-6am	---	---	---	---	---	772	---	---	---	---	---	394	1,166
6-7am	---	---	---	---	---	1,896	---	---	---	---	---	1,061	2,957
7-8am	2,196	16	53	68	38	2,371 **	1,389	12	126	126	92	1,745	4,116
8-9am	2,033	16	75	109	63	2,296	1,741	9	132	153	88	2,123	4,419
9-10am	1,664	6	58	128	62	1,918	1,628	7	81	129	83	1,928	3,846
10-11am	1,641	2	12	46	39	1,740	1,590	2	11	54	45	1,702	3,442
11-12am	1,479	9	40	167	77	1,772	1,595	2	13	102	82	1,794	3,566
12-1pm	1,753	8	24	55	19	1,859	1,765	0	11	41	25	1,842	3,701
1-2pm	1,729	12	39	67	48	1,895	1,651	5	58	112	47	1,873	3,768
2-3pm	1,755	15	43	77	70	1,960	1,909	3	31	89	75	2,107	4,067
3-4pm	1,971	32	10	25	15	2,053	2,261	3	18	36	42	2,360	4,413
4-5pm	1,898	10	23	40	31	2,002	2,278	3	39	53	62	2,435	4,437
5-6pm	1,940	11	36	38	79	2,104	2,379	7	57	39	73	2,555 **	4,659 **
6-7pm	1,728	11	39	22	18	1,818	2,416	4	49	36	26	2,531	4,349
7-8pm	---	---	---	---	---	1,604	---	---	---	---	---	2,258	3,862
8-9pm	---	---	---	---	---	1,481	---	---	---	---	---	1,860	3,341
9-10pm	---	---	---	---	---	1,209	---	---	---	---	---	1,485	2,694
10-11pm	---	---	---	---	---	997	---	---	---	---	---	1,290	2,287
11-12pm	---	---	---	---	---	831	---	---	---	---	---	1,047	1,878
Totals	---	---	---	---	---	33,865	---	---	---	---	---	36,098	69,963
7-10am	5,893	38	186	305	163	6,585	4,758	28	339	408	263	5,796	12,381
10am-1pm	4,873	19	76	268	135	5,371	4,950	4	35	197	152	5,338	10,709
1-4pm	5,455	59	92	169	133	5,908	5,821	11	107	237	164	6,340	12,248
4-7pm	5,566	32	98	100	128	5,924	7,073	14	145	128	161	7,521	13,445
7am-7pm	21,787	148	452	842	559	23,788	22,602	57	626	970	740	24,995	48,783

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Hunters Point Bridge - 2002

	<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	---	---	---	---	---	31	---	---	---	---	---	38	69
1-2am	---	---	---	---	---	28	---	---	---	---	---	20	48
2-3am	---	---	---	---	---	17	---	---	---	---	---	26	43
3-4am	---	---	---	---	---	18	---	---	---	---	---	43	61
4-5am	---	---	---	---	---	20	---	---	---	---	---	71	91
5-6am	---	---	---	---	---	35	---	---	---	---	---	201	236
6-7am	---	---	---	---	---	104	---	---	---	---	---	400	504
7-8am	101	0	14	15	12	142	343	1	19	31	67	461	** 603
8-9am	100	0	6	26	45	177	377	0	7	31	33	448	625 **
9-10am	116	0	2	32	37	187	255	0	3	47	53	358	545
10-11am	156	0	5	22	6	189	226	0	1	24	15	266	455
11-12am	112	1	8	31	24	176	209	0	2	50	31	292	468
12-1pm	149	0	8	24	24	205	221	0	2	33	22	278	483
1-2pm	152	0	12	22	25	211	201	3	3	22	23	252	463
2-3pm	142	0	20	38	38	238	192	9	2	33	32	268	506
3-4pm	207	0	9	23	8	247	243	4	1	8	4	260	507
4-5pm	183	0	14	20	36	253	174	37	2	9	27	249	502
5-6pm	239	0	13	3	26	281	** 183	10	1	14	15	223	504
6-7pm	155	1	3	7	19	185	128	3	2	5	12	150	335
7-8pm	---	---	---	---	---	133	---	---	---	---	---	106	239
8-9pm	---	---	---	---	---	82	---	---	---	---	---	73	155
9-10pm	---	---	---	---	---	72	---	---	---	---	---	64	136
10-11pm	---	---	---	---	---	78	---	---	---	---	---	52	130
11-12pm	---	---	---	---	---	51	---	---	---	---	---	63	114
Totals	---	---	---	---	---	3,160	---	---	---	---	---	4,662	7,822
7-10am	317	0	22	73	94	506	975	1	29	109	153	1,267	1,773
10am-1pm	417	1	21	77	54	570	656	0	5	107	68	836	1,406
1-4pm	501	0	41	83	71	696	636	16	6	63	59	780	1,476
4-7pm	577	1	30	30	81	719	485	50	5	28	54	622	1,341
7am-7pm	1,812	2	114	263	300	2,491	2,752	67	45	307	334	3,505	5,996

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Little Neck Bridge - 2002

	<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	---	---	---	---	---	226	---	---	---	---	---	192	418
1-2am	---	---	---	---	---	125	---	---	---	---	---	90	215
2-3am	---	---	---	---	---	72	---	---	---	---	---	63	135
3-4am	---	---	---	---	---	45	---	---	---	---	---	44	89
4-5am	---	---	---	---	---	71	---	---	---	---	---	92	163
5-6am	---	---	---	---	---	197	---	---	---	---	---	355	552
6-7am	---	---	---	---	---	615	---	---	---	---	---	1,366	1,981
7-8am	1,438	46	80	125	77	1,766	2,090	86	7	42	108	2,333 **	4,099
8-9am	2,132	33	100	89	66	2,420	2,071	57	3	43	89	2,263	4,683 **
9-10am	1,409	21	63	78	28	1,599	1,602	10	0	46	88	1,746	3,345
10-11am	1,285	10	31	49	33	1,408	1,457	13	0	32	40	1,542	2,950
11-12am	1,382	16	35	80	64	1,577	1,401	9	0	87	73	1,570	3,147
12-1pm	1,434	16	11	50	15	1,526	1,499	13	0	35	57	1,604	3,130
1-2pm	1,438	11	26	39	40	1,554	1,542	3	0	28	44	1,617	3,171
2-3pm	1,554	19	76	102	76	1,827	1,549	13	0	56	110	1,728	3,555
3-4pm	2,123	26	24	48	27	2,248	1,698	13	0	20	61	1,792	4,040
4-5pm	2,046	18	94	166	109	2,433 **	1,681	20	0	50	121	1,872	4,305
5-6pm	2,072	23	63	52	104	2,314	2,076	15	0	12	79	2,182	4,496
6-7pm	2,004	20	61	49	41	2,175	2,025	12	0	8	74	2,119	4,294
7-8pm	---	---	---	---	---	1,708	---	---	---	---	---	1,573	3,281
8-9pm	---	---	---	---	---	1,194	---	---	---	---	---	1,138	2,332
9-10pm	---	---	---	---	---	887	---	---	---	---	---	934	1,821
10-11pm	---	---	---	---	---	710	---	---	---	---	---	765	1,475
11-12pm	---	---	---	---	---	426	---	---	---	---	---	426	852
Totals	---	---	---	---	---	29,123	---	---	---	---	---	29,406	58,529
7-10am	4,979	100	243	292	171	5,785	5,763	153	10	131	285	6,342	12,127
10am-1pm	4,101	42	77	179	112	4,511	4,357	35	0	154	170	4,716	9,227
1-4pm	5,115	56	126	189	143	5,629	4,789	29	0	104	215	5,137	10,766
4-7pm	6,122	61	218	267	254	6,922	5,782	47	0	70	274	6,173	13,095
7am-7pm	20,317	259	664	927	680	22,847	20,691	264	10	459	944	22,368	45,215

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Midtown Highway Bridge - 2002

	<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	---	---	---	---	---	1,126	---	---	---	---	---	448	1,574
1-2am	---	---	---	---	---	600	---	---	---	---	---	207	807
2-3am	---	---	---	---	---	425	---	---	---	---	---	116	541
3-4am	---	---	---	---	---	330	---	---	---	---	---	137	467
4-5am	---	---	---	---	---	425	---	---	---	---	---	255	680
5-6am	---	---	---	---	---	800	---	---	---	---	---	1,007	1,807
6-7am	---	---	---	---	---	1,361	---	---	---	---	---	2,182	3,543
7-8am	1,325	67	14	130	86	1,622	2,453	134	62	109	241	2,999	4,621
8-9am	1,304	105	14	113	85	1,621	2,825	66	64	131	261	3,347 **	4,968
9-10am	1,175	127	11	138	93	1,544	2,414	72	104	169	241	3,000	4,544
10-11am	1,583	56	3	51	66	1,759	2,239	28	32	65	88	2,452	4,211
11-12am	1,485	40	5	97	89	1,716	1,797	17	100	112	125	2,151	3,867
12-1pm	1,870	25	18	75	81	2,069	1,819	8	62	69	62	2,020	4,089
1-2pm	1,871	32	69	148	246	2,366	1,303	16	103	111	104	1,637	4,003
2-3pm	2,471	15	63	149	195	2,893	1,554	75	93	131	105	1,958	4,851
3-4pm	2,933	29	33	56	124	3,175	1,550	61	62	48	69	1,790	4,965
4-5pm	2,787	24	79	100	322	3,312 **	1,491	155	125	42	139	1,952	5,264 **
5-6pm	2,478	21	19	48	222	2,788	1,739	89	100	91	96	2,115	4,903
6-7pm	2,360	8	25	55	139	2,587	1,771	27	51	48	54	1,951	4,538
7-8pm	---	---	---	---	---	2,357	---	---	---	---	---	1,718	4,075
8-9pm	---	---	---	---	---	2,452	---	---	---	---	---	1,266	3,718
9-10pm	---	---	---	---	---	2,340	---	---	---	---	---	1,237	3,577
10-11pm	---	---	---	---	---	2,169	---	---	---	---	---	1,106	3,275
11-12pm	---	---	---	---	---	1,621	---	---	---	---	---	883	2,504
Totals	---	---	---	---	---	43,458	---	---	---	---	---	37,934	81,392
7-10am	3,804	299	39	381	264	4,787	7,692	272	230	409	743	9,346	14,133
10am-1pm	4,938	121	26	223	236	5,544	5,855	53	194	246	275	6,623	12,167
1-4pm	7,275	76	165	353	565	8,434	4,407	152	258	290	278	5,385	13,819
4-7pm	7,625	53	123	203	683	8,687	5,001	271	276	181	289	6,018	14,705
7am-7pm	23,642	549	353	1,160	1,748	27,452	22,955	748	958	1,126	1,585	27,372	54,824

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes North Channel Bridge - 2002

	Northbound						Southbound						2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	131	---	---	---	---	---	206	337
1-2am	---	---	---	---	---	89	---	---	---	---	---	136	225
2-3am	---	---	---	---	---	68	---	---	---	---	---	69	137
3-4am	---	---	---	---	---	66	---	---	---	---	---	63	129
4-5am	---	---	---	---	---	106	---	---	---	---	---	61	167
5-6am	---	---	---	---	---	369	---	---	---	---	---	100	469
6-7am	---	---	---	---	---	804	---	---	---	---	---	298	1,102
7-8am	1,073	30	18	21	32	1,174 **	356	24	6	38	64	488	1,662 **
8-9am	907	31	21	43	71	1,073	334	24	1	37	56	452	1,525
9-10am	549	8	7	62	37	663	284	16	3	51	58	412	1,075
10-11am	497	10	7	25	8	547	386	12	0	18	30	446	993
11-12am	451	8	8	55	46	568	328	8	0	48	66	450	1,018
12-1pm	523	16	0	34	31	604	459	11	0	17	26	513	1,117
1-2pm	553	4	4	19	16	596	489	6	0	13	27	535	1,131
2-3pm	618	23	11	54	45	751	557	28	4	28	80	697	1,448
3-4pm	693	24	11	21	22	771	738	24	0	24	58	844	1,615
4-5pm	554	30	12	40	30	666	700	9	2	28	85	824	1,490
5-6pm	544	9	16	28	24	621	859	6	0	19	59	943 **	1,564
6-7pm	469	9	19	24	38	559	770	6	4	10	65	855	1,414
7-8pm	---	---	---	---	---	470	---	---	---	---	---	669	1,139
8-9pm	---	---	---	---	---	436	---	---	---	---	---	579	1,015
9-10pm	---	---	---	---	---	315	---	---	---	---	---	477	792
10-11pm	---	---	---	---	---	277	---	---	---	---	---	403	680
11-12pm	---	---	---	---	---	226	---	---	---	---	---	309	535
Totals	---	---	---	---	---	11,950	---	---	---	---	---	10,829	22,779
7-10am	2,529	69	46	126	140	2,910	974	64	10	126	178	1,352	4,262
10am-1pm	1,471	34	15	114	85	1,719	1,173	31	0	83	122	1,409	3,128
1-4pm	1,864	51	26	94	83	2,118	1,784	58	4	65	165	2,076	4,194
4-7pm	1,567	48	47	92	92	1,846	2,329	21	6	57	209	2,622	4,468
7am-7pm	7,431	202	134	426	400	8,593	6,260	174	20	331	674	7,459	16,052

Based on 1989 Classification Survey Data

** Peak Volumes

**Hourly Vehicular Volumes
Rikers Island Bridge - 2002**

	Northbound						Southbound						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	45	---	---	---	---	---	263	308
1-2am	---	---	---	---	---	37	---	---	---	---	---	45	82
2-3am	---	---	---	---	---	32	---	---	---	---	---	29	61
3-4am	---	---	---	---	---	85	---	---	---	---	---	14	99
4-5am	---	---	---	---	---	245	---	---	---	---	---	17	262
5-6am	---	---	---	---	---	436	---	---	---	---	---	30	466
6-7am	---	---	---	---	---	869 **	---	---	---	---	---	63	932
7-8am	585	8	3	38	71	705	345	24	12	12	4	397	1,102
8-9am	404	8	1	24	32	469	310	17	20	25	10	382	851
9-10am	221	31	1	28	36	317	73	8	2	14	4	101	418
10-11am	212	16	0	22	25	275	137	14	4	12	2	169	444
11-12am	179	15	3	27	32	256	146	23	15	26	12	222	478
12-1pm	367	17	2	12	23	421	249	11	12	9	6	287	708
1-2pm	350	32	2	9	16	409	371	16	20	13	6	426	835
2-3pm	607	16	1	19	45	688	601	17	33	28	15	694	1,382 **
3-4pm	174	7	1	4	9	195	832	16	27	16	1	892 **	1,087
4-5pm	106	8	1	3	6	124	587	9	24	14	0	634	758
5-6pm	78	8	1	0	10	97	277	9	15	3	4	308	405
6-7pm	58	19	2	4	6	89	206	7	26	5	0	244	333
7-8pm	---	---	---	---	---	75	---	---	---	---	---	276	351
8-9pm	---	---	---	---	---	51	---	---	---	---	---	214	265
9-10pm	---	---	---	---	---	119	---	---	---	---	---	263	382
10-11pm	---	---	---	---	---	561	---	---	---	---	---	180	741
11-12pm	---	---	---	---	---	122	---	---	---	---	---	575	697
Totals	---	---	---	---	---	6,722	---	---	---	---	---	6,725	13,447
7-10am	1,210	47	5	90	139	1,491	728	49	34	51	18	880	2,371
10am-1pm	758	48	5	61	80	952	532	48	31	47	20	678	1,630
1-4pm	1,131	55	4	32	70	1,292	1,804	49	80	57	22	2,012	3,304
4-7pm	242	35	4	7	22	310	1,070	25	65	22	4	1,186	1,496
7am-7pm	3,341	185	18	190	311	4,045	4,134	171	210	177	64	4,756	8,801

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Roosevelt Avenue Bridge - 2002

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	138	---	---	---	---	---	210	348
1-2am	---	---	---	---	---	107	---	---	---	---	---	129	236
2-3am	---	---	---	---	---	64	---	---	---	---	---	96	160
3-4am	---	---	---	---	---	69	---	---	---	---	---	65	134
4-5am	---	---	---	---	---	107	---	---	---	---	---	56	163
5-6am	---	---	---	---	---	146	---	---	---	---	---	62	208
6-7am	---	---	---	---	---	313	---	---	---	---	---	152	465
7-8am	338	29	12	32	20	431	315	3	10	23	22	373	804
8-9am	431	18	12	43	47	551	620	18	11	21	33	703	1,254
9-10am	439	8	12	45	52	556	657	70	14	35	41	817	1,373
10-11am	500	7	11	24	30	572	647	11	3	24	9	694	1,266
11-12am	462	13	13	44	52	584	574	20	4	24	12	634	1,218
12-1pm	550	7	9	18	15	599	575	12	2	4	5	598	1,197
1-2pm	544	34	3	10	24	615	584	15	0	2	6	607	1,222
2-3pm	506	34	16	58	52	666	567	9	3	15	14	608	1,274
3-4pm	608	13	10	27	33	691	524	73	2	10	11	620	1,311
4-5pm	545	10	29	53	85	722	628	16	4	11	12	671	1,393
5-6pm	689	6	24	30	88	837	621	8	3	12	8	652	1,489
6-7pm	736	5	20	31	76	868 **	663	34	6	13	12	728	1,596 **
7-8pm	---	---	---	---	---	643	---	---	---	---	---	887 **	1,530
8-9pm	---	---	---	---	---	525	---	---	---	---	---	627	1,152
9-10pm	---	---	---	---	---	807	---	---	---	---	---	446	1,253
10-11pm	---	---	---	---	---	381	---	---	---	---	---	267	648
11-12pm	---	---	---	---	---	232	---	---	---	---	---	309	541
Totals	---	---	---	---	---	11,224	---	---	---	---	---	11,011	22,235
7-10am	1,208	55	36	120	119	1,538	1,592	91	35	79	96	1,893	3,431
10am-1pm	1,512	27	33	86	97	1,755	1,796	43	9	52	26	1,926	3,681
1-4pm	1,658	81	29	95	109	1,972	1,675	97	5	27	31	1,835	3,807
4-7pm	1,970	21	73	114	249	2,427	1,912	58	13	36	32	2,051	4,478
7am-7pm	6,348	184	171	415	574	7,692	6,975	289	62	194	185	7,705	15,397

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Roosevelt Island Bridge - 2002

	<i>Eastbound</i>						<i>Westbound</i>						2-Way Totals
	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	Autos	Buses	Commuter Vans	Trucks	Commercial Vans	Totals	
12-1am	---	---	---	---	---	153	---	---	---	---	---	90	243
1-2am	---	---	---	---	---	38	---	---	---	---	---	44	82
2-3am	---	---	---	---	---	20	---	---	---	---	---	22	42
3-4am	---	---	---	---	---	15	---	---	---	---	---	21	36
4-5am	---	---	---	---	---	22	---	---	---	---	---	37	59
5-6am	---	---	---	---	---	54	---	---	---	---	---	103	157
6-7am	---	---	---	---	---	96	---	---	---	---	---	342	438
7-8am	239	13	12	4	3	271	519	10	32	14	9	584 **	855 **
8-9am	202	14	17	14	7	254	325	5	2	12	4	348	602
9-10am	125	7	8	19	4	163	173	4	8	12	2	199	362
10-11am	157	2	4	9	5	177	158	5	1	11	9	184	361
11-12am	166	6	9	17	18	216	147	4	9	27	9	196	412
12-1pm	196	4	2	14	7	223	197	27	3	6	4	237	460
1-2pm	199	7	2	5	8	221	194	6	1	10	8	219	440
2-3pm	216	4	4	21	7	252	191	6	4	8	7	216	468
3-4pm	427	24	1	8	10	470	317	9	5	4	3	338	808
4-5pm	493	6	11	2	11	523 **	205	8	6	2	6	227	750
5-6pm	309	5	0	4	10	328	187	6	0	3	6	202	530
6-7pm	207	2	1	1	13	224	207	4	2	2	1	216	440
7-8pm	---	---	---	---	---	189	---	---	---	---	---	211	400
8-9pm	---	---	---	---	---	182	---	---	---	---	---	195	377
9-10pm	---	---	---	---	---	172	---	---	---	---	---	168	340
10-11pm	---	---	---	---	---	140	---	---	---	---	---	159	299
11-12pm	---	---	---	---	---	216	---	---	---	---	---	267	483
Totals	---	---	---	---	---	4,619	---	---	---	---	---	4,825	9,444
7-10am	566	34	37	37	14	688	1,017	19	42	38	15	1,131	1,819
10am-1pm	519	12	15	40	30	616	502	36	13	44	22	617	1,233
1-4pm	842	35	7	34	25	943	702	21	10	22	18	773	1,716
4-7pm	1,009	13	12	7	34	1,075	599	18	8	7	13	645	1,720
7am-7pm	2,936	94	71	118	103	3,322	2,820	94	73	111	68	3,166	6,488

Based on 1989 Classification Survey Data

** Peak Volumes

Hourly Vehicular Volumes Whitestone Expressway Bridge - 2002

	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	---	---	---	---	---	1,844	---	---	---	---	---	1,004	2,848
1-2am	---	---	---	---	---	997	---	---	---	---	---	659	1,656
2-3am	---	---	---	---	---	701	---	---	---	---	---	558	1,259
3-4am	---	---	---	---	---	648	---	---	---	---	---	605	1,253
4-5am	---	---	---	---	---	977	---	---	---	---	---	1,288	2,265
5-6am	---	---	---	---	---	2,179	---	---	---	---	---	3,416	5,595
6-7am	---	---	---	---	---	4,352	---	---	---	---	---	6,296	10,648
7-8am	4,996	95	181	307	355	5,934	5,300	55	216	472	594	6,637 **	12,571
8-9am	4,800	74	286	382	236	5,778	5,152	67	176	438	374	6,207	11,985
9-10am	3,823	76	179	452	225	4,755	3,929	68	177	463	378	5,015	9,770
10-11am	3,856	39	91	263	161	4,410	3,845	18	95	180	102	4,240	8,650
11-12am	3,385	29	167	574	289	4,444	3,092	20	166	380	202	3,860	8,304
12-1pm	4,210	74	68	274	137	4,763	3,327	24	81	187	129	3,748	8,511
1-2pm	4,576	63	44	239	128	5,050	3,369	49	76	216	135	3,845	8,895
2-3pm	4,621	65	140	475	396	5,697	3,382	60	135	395	242	4,214	9,911
3-4pm	6,608	31	92	261	265	7,257	4,427	81	99	191	137	4,935	12,192
4-5pm	5,910	25	164	336	403	6,838	4,357	52	189	340	254	5,192	12,030
5-6pm	6,401	36	174	278	421	7,310 **	4,866	24	142	201	146	5,379	12,689 **
6-7pm	6,043	52	168	172	326	6,761	4,423	8	150	91	126	4,798	11,559
7-8pm	---	---	---	---	---	6,042	---	---	---	---	---	4,069	10,111
8-9pm	---	---	---	---	---	4,854	---	---	---	---	---	3,395	8,249
9-10pm	---	---	---	---	---	4,127	---	---	---	---	---	2,940	7,067
10-11pm	---	---	---	---	---	3,644	---	---	---	---	---	2,466	6,110
11-12pm	---	---	---	---	---	2,853	---	---	---	---	---	1,777	4,630
Totals	---	---	---	---	---	102,215	---	---	---	---	---	86,543	188,758
7-10am	13,619	245	646	1,141	816	16,467	14,381	190	569	1,373	1,346	17,859	34,326
10am-1pm	11,451	142	326	1,111	587	13,617	10,264	62	342	747	433	11,848	25,465
1-4pm	15,805	159	276	975	789	18,004	11,178	190	310	802	514	12,994	30,998
4-7pm	18,354	113	506	786	1,150	20,909	13,646	84	481	632	526	15,369	36,278
7am-7pm	59,229	659	1,754	4,013	3,342	68,997	49,469	526	1,702	3,554	2,819	58,070	127,067

Based on 1989 Classification Survey Data

** Peak Volumes

Staten Island Bridges
Average Daily Traffic Volumes
1948 - 2002

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

Hourly Vehicular Volumes Fresh Kills Bridge - 2002

	Northbound						Southbound						2-Way Totals
	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	Autos	Buses	Commuter Vans	Commercial Trucks	Vans	Totals	
12-1am	---	---	---	---	---	204	---	---	---	---	---	358	562
1-2am	---	---	---	---	---	125	---	---	---	---	---	184	309
2-3am	---	---	---	---	---	95	---	---	---	---	---	107	202
3-4am	---	---	---	---	---	91	---	---	---	---	---	63	154
4-5am	---	---	---	---	---	182	---	---	---	---	---	79	261
5-6am	---	---	---	---	---	619	---	---	---	---	---	177	796
6-7am	---	---	---	---	---	1,520	---	---	---	---	---	428	1,948
7-8am	1,379	144	417	462	220	2,622	773	52	5	31	26	887	3,509
8-9am	1,147	252	496	607	170	2,672 **	1,024	22	4	67	33	1,150	3,822
9-10am	1,629	28	239	322	60	2,278	966	17	4	79	38	1,104	3,382
10-11am	1,805	40	81	119	23	2,068	1,196	14	0	45	26	1,281	3,349
11-12am	1,417	74	179	281	36	1,987	1,361	14	2	125	66	1,568	3,555
12-1pm	1,750	29	96	186	35	2,096	1,649	36	0	91	48	1,824	3,920
1-2pm	1,647	49	65	76	38	1,875	1,690	71	0	65	26	1,852	3,727
2-3pm	1,497	86	143	229	24	1,979	1,894	67	0	217	112	2,290	4,269
3-4pm	1,888	95	88	93	14	2,178	2,118	38	5	86	79	2,326	4,504
4-5pm	1,610	45	123	150	34	1,962	2,288	27	4	166	105	2,590	4,552
5-6pm	1,588	92	164	146	23	2,013	2,351	35	4	216	143	2,749 **	4,762 **
6-7pm	1,651	150	164	119	37	2,121	2,157	31	14	163	124	2,489	4,610
7-8pm	---	---	---	---	---	1,923	---	---	---	---	---	2,145	4,068
8-9pm	---	---	---	---	---	1,240	---	---	---	---	---	2,008	3,248
9-10pm	---	---	---	---	---	863	---	---	---	---	---	1,588	2,451
10-11pm	---	---	---	---	---	631	---	---	---	---	---	1,010	1,641
11-12pm	---	---	---	---	---	393	---	---	---	---	---	569	962
Totals	---	---	---	---	---	33,737	---	---	---	---	---	30,826	64,563
7-10am	4,155	424	1,152	1,391	450	7,572	2,763	91	13	177	97	3,141	10,713
10am-1pm	4,972	143	356	586	94	6,151	4,206	64	2	261	140	4,673	10,824
1-4pm	5,032	230	296	398	76	6,032	5,702	176	5	368	217	6,468	12,500
4-7pm	4,849	287	451	415	94	6,096	6,796	93	22	545	372	7,828	13,924
7am-7pm	19,008	1,084	2,255	2,790	714	25,851	19,467	424	42	1,351	826	22,110	47,961

Based on 1989 Classification Survey Data

** Peak Volumes

Manhattan MTABT Facilities
Average Daily Traffic Volumes
1948 - 2002

Year	Brooklyn-Battery Tunnel	Henry Hudson Bridge	Queens-Midtown Tunnel	Triborough Bridge Manh. Plz.	Manhattan Totals
1948	Opened	40,050	26,462	26,465	92,977
1949	05/25/1950	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	57,139	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	73,802	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	63,863	56,279	80,616	94,467	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

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

Outer Borough MTABT Bridges
Average Daily Traffic Volumes
1948 - 2002

Year	Bronx-Whitestone	Cross Bay	Marine Parkway	Throgs Neck	Triborough Bronx Plz.	Verrazano-Narrows	Totals
1948	33,343	11,421	10,216	Opened	25,997	Opened	80,977
1949	41,485	12,579	11,743	01/11/1961	31,310	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	81,956	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	60,697	57,949		199,418
1963	45,352	16,421	17,978	75,532	58,657		213,940
1964	64,573	16,594	18,145	76,245	61,152		236,709
1965	72,053	16,864	18,855	77,755	67,090	48,842	301,459
1966	71,382	17,684	19,745	80,647	68,806	58,720	316,984
1967	73,931	17,448	19,904	81,237	70,791	66,607	329,818
1968	78,773	18,367	21,424	83,634	73,232	77,393	352,823
1969	79,416	17,608	21,406	85,708	75,482	86,114	365,734
1970	81,582	17,908	22,076	83,734	81,868	96,953	384,121
1971	86,573	18,399	22,426	84,279	83,804	106,014	401,495
1972	80,704	16,813	20,956	89,595	74,777	105,898	388,743
1973	81,548	16,783	21,502	95,326	75,552	111,385	402,086
1974	82,699	16,769	19,734	89,622	76,673	109,671	395,168
1975	81,081	15,019	18,715	87,725	70,338	108,572	381,450
1976	82,060	14,281	17,804	89,520	67,887	110,761	382,313
1977	81,992	14,489	16,724	90,635	67,590	113,040	384,470
1978	86,537	13,955	17,750	89,847	64,746	125,799	398,634
1979	90,394	13,690	17,404	86,315	63,046	124,667	395,516
1980	88,346	13,903	16,472	87,011	63,219	130,904	399,855
1981	84,475	11,583	16,510	91,511	76,200	137,695	417,974
1982	90,323	13,072	17,119	93,867	74,092	143,811	432,273
1983	97,945	13,412	18,003	97,706	78,885	140,645	446,596
1984	97,636	14,835	19,749	90,153	79,300	155,892	457,565
1985	109,012	15,279	20,595	84,517	83,747	162,632	475,782
1986	102,567	15,162	19,965	94,395	80,703	162,426	475,218
1987	102,115	14,289	20,512	93,770	81,424	170,319	482,429
1988	98,235	14,989	21,098	102,333	83,002	174,416	494,073
1989	95,762	14,466	19,666	94,147	78,877	172,529	475,447
1990	104,377	14,645	21,489	91,237	80,346	175,948	488,042
1991	99,054	14,925	20,893	94,377	81,364	178,340	488,953
1992	96,830	14,821	21,042	98,135	77,125	183,218	491,171
1993	93,712	14,578	20,137	101,402	70,458	178,416	478,703
1994	104,819	14,442	20,623	97,471	71,777	181,156	490,288
1995	108,185	15,423	20,568	97,282	72,012	184,634	498,104
1996	101,048	14,845	21,212	97,629	74,522	184,557	493,813
1997	93,018	14,221	19,782	102,094	76,937	182,871	488,923
1998	104,125	16,286	19,583	99,471	81,913	194,592	515,970
1999	120,170	16,975	19,904	90,986	80,019	194,623	522,677
2000	117,583	17,962	21,609	98,357	79,243	202,580	537,334
2001	111,764	19,626	19,527	104,429	77,631	218,971	551,948
2002	123,258	20,010	21,684	104,535	72,259	212,491	554,237

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

Hourly Vehicular Volumes Metropolitan Transportation Authority Bridges & Tunnels 2002

	<i>Brooklyn-Battery Tunnel</i>		<i>Henry Hudson Bridge</i>		<i>Queens-Midtown Tunnel</i>		<i>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	209	591	196	645	348	884	237	630	990	2,750
1-2am	90	248	90	290	163	438	106	278	449	1,254
2-3am	54	130	52	143	113	269	77	175	296	717
3-4am	57	66	55	92	134	200	77	141	323	499
4-5am	158	91	132	89	234	261	147	378	671	819
5-6am	967	117	542	151	994	557	924	1,054	3,427	1,879
6-7am	2,098	305	2,455	587	2,485	1,087	3,283	1,891	10,321	3,870
7-8am	3,064	598	3,740 **	1,363	3,788	1,256	4,167 **	2,434	14,759	5,651
8-9am	3,313 **	757	3,518	1,800	4,110 **	1,265	3,997	2,382	14,938 **	6,204
9-10am	2,589	761	3,156	1,200	3,855	1,233	3,275	2,257	12,875	5,451
10-11am	2,036	794	2,026	1,018	2,861	1,521	2,824	2,014	9,747	5,347
11-12am	1,652	866	1,817	1,088	2,522	1,508	2,713	2,057	8,704	5,519
12-1pm	1,495	944	1,714	1,244	2,351	1,753	2,388	2,202	7,948	6,143
1-2pm	1,343	1,042	1,591	1,371	2,110	2,016	2,522	2,372	7,566	6,801
2-3pm	1,565	1,398	1,688	1,803	2,172	2,455	2,892	2,704	8,317	8,360
3-4pm	1,686	1,913	2,418	2,104	2,283	2,809	3,134	3,328 **	9,521	10,154
4-5pm	1,862	2,226	2,535	2,504	2,578	2,819 **	3,016	2,942	9,991	10,491
5-6pm	1,912	2,284	2,836	2,843	2,975	2,786	3,033	2,610	10,756	10,523
6-7pm	1,593	2,343 **	2,697	3,004 **	2,619	2,620	3,076	2,944	9,985	10,911 **
7-8pm	1,232	2,009	1,870	2,629	2,124	2,440	2,780	2,713	8,006	9,791
8-9pm	891	1,802	1,092	2,079	1,459	2,217	1,876	2,190	5,318	8,288
9-10pm	795	1,545	876	1,749	1,303	2,081	1,566	1,872	4,540	7,247
10-11pm	1,005	1,116	652	1,656	971	1,732	1,584	1,681	4,212	6,185
11-12pm	553	811	387	1,144	782	1,293	766	1,050	2,488	4,298
Totals	32,219	24,757	38,135	32,596	45,334	37,500	50,460	44,299	166,148	139,152
7-10am	8,966	2,116	10,414	4,363	11,753	3,754	11,439	7,073	42,572	17,306
10am-1pm	5,183	2,604	5,557	3,350	7,734	4,782	7,925	6,273	26,399	17,009
1-4pm	4,594	4,353	5,697	5,278	6,565	7,280	8,548	8,404	25,404	25,315
4-7pm	5,367	6,853	8,068	8,351	8,172	8,225	9,125	8,496	30,732	31,925
7am-7pm	24,110	15,926	29,736	21,342	34,224	24,041	37,037	30,246	125,107	91,555

** Peak Volumes

Hourly Vehicular Volumes

Metropolitan Transportation Authority Bridges & Tunnels

2002

	Bronx-Whitestone Bridge		Cross Bay Bridge		Marine Parkway Bridge		Throgs Neck Bridge		Triborough Bridge (Bronx Plaza)		Verrazano-Narrows Bridge	
	<i>N/B</i>	<i>S/B</i>	<i>N/B</i>	<i>S/B</i>	<i>N/B</i>	<i>S/B</i>	<i>N/B</i>	<i>S/B</i>	<i>N/B</i>	<i>S/B</i>	<i>E/B</i>	<i>W/B</i>
12-1am	807	762	74	169	62	129	521	991	763	442	2,874	1,914
1-2am	440	471	41	88	29	70	384	559	368	345	1,490	1,093
2-3am	325	357	30	43	20	42	298	367	270	219	810	724
3-4am	330	382	54	30	29	28	339	379	262	252	655	523
4-5am	511	741	97	39	55	30	666	589	400	464	668	730
5-6am	1,364	1,776	357	89	248	84	1,852	1,077	816	1,115	1,076	1,316
6-7am	3,978	3,366	858	277	754	310	3,786	2,510	2,016	2,378	3,699	3,247
7-8am	5,243 **	3,774	1,223 **	513	1,565 **	446	4,100 **	3,215	2,868 **	2,332	9,088	4,929
8-9am	4,952	3,790	969	507	1,153	496	3,816	3,096	2,608	2,079	10,575 **	5,274
9-10am	4,270	3,203	573	422	785	384	3,274	2,348	2,157	1,823	8,613	4,833
10-11am	3,345	2,863	463	378	570	389	2,893	2,203	1,781	1,655	6,605	4,192
11-12am	2,751	2,643	484	365	528	400	2,409	2,125	1,633	1,640	5,267	4,259
12-1pm	2,480	2,630	460	399	469	425	2,242	2,275	1,618	1,626	4,652	4,345
1-2pm	2,535	2,910	480	463	479	523	2,234	2,525	1,672	1,719	4,423	4,728
2-3pm	2,983	3,422	704	604	571	681	2,557	3,353	1,937	1,824	4,659	6,159
3-4pm	3,477	4,125	714	777	711	905	2,758	4,034	2,254	2,182	5,176	7,815
4-5pm	3,703	4,493	634	764	633	977	2,799	4,071	2,317	2,464 **	6,192	7,744
5-6pm	3,815	4,529 **	578	802 **	653	1,030 **	2,929	4,189 **	2,267	2,234	6,604	7,931 **
6-7pm	3,440	4,260	440	783	541	922	2,810	3,998	2,185	1,857	6,601	7,578
7-8pm	2,817	3,655	363	603	377	704	2,525	3,078	1,981	1,766	5,828	6,905
8-9pm	2,527	2,557	299	461	279	554	1,867	2,234	1,554	1,464	4,738	5,137
9-10pm	2,211	2,071	239	394	208	485	1,521	1,818	1,316	1,169	3,843	4,203
10-11pm	1,891	1,757	187	325	190	343	1,250	1,510	1,100	1,039	3,535	3,218
11-12pm	1,409	1,117	144	250	162	256	880	1,281	1,223	805	3,462	2,561
Totals	61,604	61,654	10,465	9,545	11,071	10,613	50,710	53,825	37,366	34,893	111,133	101,358
7-10am	14,465	10,767	2,765	1,442	3,503	1,326	11,190	8,659	7,633	6,234	28,276	15,036
10am-1pm	8,576	8,136	1,407	1,142	1,567	1,214	7,544	6,603	5,032	4,921	16,524	12,796
1-4pm	8,995	10,457	1,898	1,844	1,761	2,109	7,549	9,912	5,863	5,725	14,258	18,702
4-7pm	10,958	13,282	1,652	2,349	1,827	2,929	8,538	12,258	6,769	6,555	19,397	23,253
7am-7pm	42,994	42,642	7,722	6,777	8,658	7,578	34,821	37,432	25,297	23,435	78,455	69,787

** Peak Volumes

PANYNJ Manhattan - New Jersey Facilities
Average Daily Traffic Volumes
1948 - 2002

Year	George Washington Bridge	Holland Tunnel	Lincoln Tunnel	Totals
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	259,723	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

PANYNJ one-way tolls initiated 8/12/1970.
PANYNJ toll increases May 1975, January 1984, April, 1987, April 1991, March 2001.

PANYNJ Staten Island - New Jersey Bridges
Average Daily Traffic Volumes
1948 - 2002

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

PANYNJ one-way tolls initiated 8/12/1970.
PANYNJ toll increases May 1975, January 1984, April, 1987, April 1991, March 2001.

Hourly Vehicular Volumes

Port Authority of New York & New Jersey

2002

	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	1,886	2,933	847	1,372	853	1,928	3,586	6,233
1-2am	1,273	1,968	523	888	522	928	2,318	3,784
2-3am	1,116	1,487	383	595	413	589	1,912	2,671
3-4am	1,261	1,393	365	502	452	511	2,078	2,406
4-5am	2,006	1,897	551	649	767	744	3,324	3,290
5-6am	5,595	3,672	2,210	1,164	2,359	1,123	10,164	5,959
6-7am	11,597	6,946	2,197	2,043	4,854	1,852	18,648 **	10,841
7-8am	11,241	8,986	2,675	2,323	4,714	2,638	18,630	13,947
8-9am	9,981	8,975	2,454	2,505	4,327	2,401	16,762	13,881
9-10am	9,308	7,120	2,222	1,875	4,341	2,489	15,871	11,484
10-11am	7,875	6,121	2,701	1,784	3,627	2,441	14,203	10,346
11-12am	6,867	6,248	2,109	1,558	3,131	2,560	12,107	10,366
12-1pm	6,420	6,788	1,941	1,370	2,743	2,800	11,104	10,958
1-2pm	6,294	7,373	1,965	1,835	2,641	3,359	10,900	12,567
2-3pm	6,974	9,154	2,124	2,275	2,695	4,091	11,793	15,520
3-4pm	7,795	11,520	2,424	2,726	2,932	4,452	13,151	18,698
4-5pm	9,073	12,071	2,684	3,192	2,427	5,316	14,184	20,579 **
5-6pm	9,752	11,445	2,893	3,248	1,936	5,703	14,581	20,396
6-7pm	9,391	10,630	2,836	3,171	2,251	5,826 **	14,478	19,627
7-8pm	7,411	9,453	2,546	2,916	2,714	4,597	12,671	16,966
8-9pm	5,496	7,632	1,968	2,488	2,168	4,054	9,632	14,174
9-10pm	4,767	6,314	1,805	2,238	2,030	3,824	8,602	12,376
10-11pm	4,203	5,421	1,814	2,197	1,890	3,752	7,907	11,370
11-12pm	3,176	4,466	1,485	1,921	1,628	3,118	6,289	9,505
Totals	150,758	160,013	45,722	46,835	58,415	71,096	254,895	277,944
7-10am	30,530	25,081	7,351	6,703	13,382	7,528	51,263	39,312
10am-1pm	21,162	19,157	6,751	4,712	9,501	7,801	37,414	31,670
1-4pm	21,063	28,047	6,513	6,836	8,268	11,902	35,844	46,785
4-7pm	28,216	34,146	8,413	9,611	6,614	16,845	43,243	60,602
7am-7pm	100,971	106,431	29,028	27,862	37,765	44,076	167,764	178,369

Hourly Vehicular Volumes

Port Authority of New York & New Jersey

2002

	<i>Bayonne Bridge</i>		<i>Goethals Bridge</i>		<i>Outerbridge Crossing</i>		<i>Totals</i>	
	<i>S/B</i>	<i>N/B</i>	<i>E/B</i>	<i>W/B</i>	<i>E/B</i>	<i>W/B</i>	<i>To Staten Island</i>	<i>To New Jersey</i>
12-1am	174	75	781	446	292	445	1,247	966
1-2am	103	53	501	281	192	281	796	615
2-3am	84	50	421	246	173	184	678	480
3-4am	78	58	417	280	218	217	713	555
4-5am	109	72	647	385	426	249	1,182	706
5-6am	233	258	1,235	858	1,785	510	3,253	1,626
6-7am	435	584	2,015	2,007	2,899	1,259	5,349	3,850
7-8am	511	1,129	1,853	3,173	2,698	2,440	5,062	6,742
8-9am	533	1,189	1,909	3,300	2,412	2,818	4,854	7,307
9-10am	470	745	1,890	2,887	2,170	2,317	4,530	5,949
10-11am	409	521	1,789	2,525	1,814	2,226	4,012	5,272
11-12am	403	444	1,695	2,456	1,683	2,108	3,781	5,008
12-1pm	441	456	1,780	2,279	1,739	2,022	3,960	4,757
1-2pm	466	453	1,918	2,211	1,855	1,927	4,239	4,591
2-3pm	645	474	2,180	2,340	2,034	2,188	4,859	5,002
3-4pm	892	515	2,492	2,502	2,215	2,706	5,599	5,723
4-5pm	1,141	550	2,824	2,504	2,564	2,792	6,529	5,846
5-6pm	1,460	491	3,161	2,303	2,926	2,750	7,547	5,544
6-7pm	1,155	417	2,841	2,115	2,415	2,383	6,411	4,915
7-8pm	677	315	2,233	1,775	1,906	1,967	4,816	4,057
8-9pm	393	266	1,694	1,412	1,524	1,473	3,611	3,151
9-10pm	336	220	1,564	1,129	1,188	1,215	3,088	2,564
10-11pm	289	185	1,431	857	754	883	2,474	1,925
11-12pm	247	123	1,148	694	525	662	1,920	1,479
Totals	11,684	9,643	40,419	40,965	38,407	38,022	90,510	88,630
7-10am	1,514	3,063	5,652	9,360	7,280	7,575	14,446	19,998
10am-1pm	1,253	1,421	5,264	7,260	5,236	6,356	11,753	15,037
1-4pm	2,003	1,442	6,590	7,053	6,104	6,821	14,697	15,316
4-7pm	3,756	1,458	8,826	6,922	7,905	7,925	20,487	16,305
7am-7pm	8,526	7,384	26,332	30,595	26,525	28,677	61,383	66,656