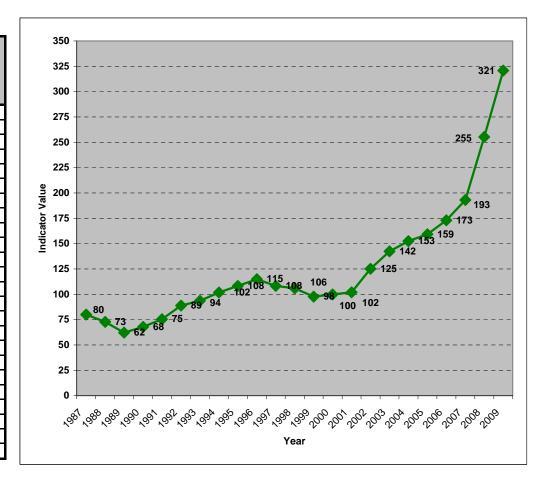
# **NYC Commuter Cycling Indicator**

## **Based on Counts at Selected Commuter Locations**

Indexed to Year 2000 = 100

Year	Value for Indicator	Index of Value for Indicator: 100 for Yr 2000	Year to Year Growth (% Change)	Year to Year Growth (Cyclists Counted)
1986	3,997	83	n/a	n/a
1987	3,867	80	-3%	-130
1988	3,513	73	-9%	-354
1989	3,005	62	-14%	-508
1990	3,277	68	9%	272
1991	3,645	75	11%	368
1992	4,294	89	18%	649
1993	4,518	94	5%	224
1994	4,918	102	9%	400
1995	5,229	108	6%	311
1996	5,551	115	6%	322
1997	5,229	108	-6%	-322
1998	5,114	106	-2%	-115
1999	4,716	98	-8%	-398
2000	4,829	100	2%	113
2001	4,927	102	2%	98
2002	6,046	125	23%	1,119
2003	6,879	142	14%	834
2004	7,366	153	7%	486
2005	7,693	159	4%	327
2006	8,355	173	9%	662
2007	9,327	193	12%	971
2008	12,328	255	32%	3,001
2009	15,495	321	26%	3,167



#### Notes:

- 1. Value for Indicator comes from weekday 12 hour (7am-7pm) counts at 6 key NYC locations
- 2. From 1985 until 2006, this count was taken only once per year. Due to volatility the "Value for Indicator" in this period is the average of the current year's count and the count of the prior and subsequent years
- 3. The value for 2007 is the average of 3 counts taken in 2007 (in May, August & September)
- 4. The value for 2008 and 2009 is the average of 10 counts taken between April and October



# New York City Cyclist Counts At Selected Commuter Locations Weekday Counts, 7am to 7pm

Count         Staten Island Ferry         Brooklyn Bridge         Manhattan Bridge         Williamsburg Bridge         Queensl Bridge           1980         207         623         N/A         146         344           1985         231         913         N/A         392         759           1987         327         1,633         N/A         420         780           1988         244         988         N/A         282         330           1989         202         690         N/A         240         423           1990         170         1,075         N/A         A62         2737           1991         341         1,183         N/A         N/A         A62         737           1992         290         1,073         N/A         362         737         1993         293         1,193         N/A         361         709         1994         241         1,305         N/A         439         672         1995         386         1,715         N/A         664         964         1964         194         1,314         1,314         1,314         1,314         1,305         N/A         1,049         661         962 <t< th=""><th>Fee Greenway at 50th St.  761 1,145 1,256 1,565 1,206 1,606 1,084 1,741 1,802 2,196 1,881</th><th>Grand Total 2,081 3,440 4,222 4,329 3,050 3,161 2,804 3,864</th></t<>	Fee Greenway at 50th St.  761 1,145 1,256 1,565 1,206 1,606 1,084 1,741 1,802 2,196 1,881	Grand Total 2,081 3,440 4,222 4,329 3,050 3,161 2,804 3,864
1985         231         913         N/A         392         759           1986         224         1,542         N/A         420         780           1987         327         1,633         N/A         368         436           1988         244         988         N/A         282         330           1989         202         690         N/A         240         423           1990         170         1,075         N/A         248         227           1991         341         1,183         N/A         N/A         602           1992         290         1,073         N/A         361         709           1993         293         1,193         N/A         361         709           1994         241         1,305         N/A         439         672           1995         386         1,715         N/A         664         964           1996         387         1,613         N/A         791         1,31-           1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966	1,145 1,256 1,565 1,206 1,606 1,084 1,741 1,802 2,196 1,881	3,440 4,222 4,329 3,050 3,161 2,804 3,867
1985         231         913         N/A         392         759           1986         224         1,542         N/A         420         780           1987         327         1,633         N/A         368         436           1988         244         988         N/A         282         330           1989         202         690         N/A         240         423           1990         170         1,075         N/A         248         227           1991         341         1,183         N/A         N/A         602           1992         290         1,073         N/A         361         709           1993         293         1,193         N/A         361         709           1994         241         1,305         N/A         439         672           1995         386         1,715         N/A         664         964           1996         387         1,613         N/A         791         1,314           1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966	1,145 1,256 1,565 1,206 1,606 1,084 1,741 1,802 2,196 1,881	3,440 4,222 4,329 3,050 3,161 2,804 3,867
1986         224         1,542         N/A         420         780           1987         327         1,633         N/A         368         436           1988         244         988         N/A         282         330           1989         202         690         N/A         240         423           1990         170         1,075         N/A         248         227           1991         341         1,183         N/A         N/A         AMA         602           1991         341         1,183         N/A         N/A         M/A         602           1992         290         1,073         N/A         362         737           1993         293         1,193         N/A         361         709           1994         241         1,305         N/A         439         672           1995         386         1,715         N/A         664         964           1996         387         1,613         N/A         791         1,314           1997         318         1,698         N/A         1,022         786           1998         335         1,115	1,256 1,565 1,206 1,606 1,084 1,741 1,802 2,196 1,881	4,222 4,329 3,050 3,161 2,804 3,867
1987         327         1,633         N/A         368         436           1988         244         988         N/A         282         330           1989         202         690         N/A         240         423           1990         170         1,075         N/A         248         227           1991         341         1,183         N/A         N/A         602           1992         290         1,073         N/A         361         709           1993         293         1,193         N/A         361         709           1994         241         1,305         N/A         439         672           1995         386         1,715         N/A         664         964           1996         387         1,613         N/A         791         1,314           1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966         692           1999         366         1,109         N/A         1,004         820           2000         389         762         N/A         733	1,565 1,206 1,606 1,084 1,741 1,802 2,196 1,881	4,329 3,050 3,161 2,804 3,867
1988         244         988         N/A         282         330           1989         202         690         N/A         240         423           1990         170         1,075         N/A         248         227           1991         341         1,183         N/A         N/A         M/A         602           1992         290         1,073         N/A         362         737           1993         293         1,193         N/A         361         709           1994         241         1,305         N/A         439         672           1995         386         1,715         N/A         664         964           1996         387         1,613         N/A         791         1,314           1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966         692           1999         366         1,109         N/A         733         546           2000         389         762         N/A         733         546           2001         253         867         147	1,206 1,606 1,084 1,741 1,802 2,196 1,881	3,050 3,161 2,804 3,867
1989         202         690         N/A         240         423           1990         170         1,075         N/A         248         227           1991         341         1,183         N/A         N/A         AVA         602           1992         290         1,073         N/A         362         737           1993         293         1,193         N/A         361         709           1994         241         1,305         N/A         439         672           1995         386         1,715         N/A         664         964           1996         387         1,613         N/A         791         1,314           1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966         692           1999         366         1,109         N/A         1,004         820           2000         389         762         N/A         733         546           2001         253         867         147         792         667           2002         104         981         546	1,606 1,084 1,741 1,802 2,196 1,881	3,161 2,804 3,867
1990         170         1,075         N/A         248         227           1991         341         1,183         N/A         N/A         N/A         602           1992         290         1,073         N/A         362         737           1993         293         1,193         N/A         361         709           1994         241         1,305         N/A         439         672           1995         386         1,715         N/A         664         964           1996         387         1,613         N/A         791         1,31-           1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966         692           1999         366         1,109         N/A         1,004         820           2000         389         762         N/A         733         546           2001         253         867         147         792         667           2002         104         981         546         1,117         517           2003         354         1,049         661	1,084 1,741 1,802 2,196 1,881	2,804 3,867
1991         341         1,183         N/A         N/A         602           1992         290         1,073         N/A         362         737           1993         293         1,193         N/A         361         709           1994         241         1,305         N/A         439         672           1995         386         1,715         N/A         664         964           1996         387         1,613         N/A         791         1,314           1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966         692           1999         366         1,109         N/A         1,004         820           2000         389         762         N/A         733         546           2001         253         867         147         792         667           2002         104         981         546         1,117         517           2003         354         1,049         661         1,387         1,33           2004         303         1,422         856         974 <td>1,741 1,802 2,196 1,881</td> <td>3,867</td>	1,741 1,802 2,196 1,881	3,867
1992         290         1,073         N/A         362         737           1993         293         1,193         N/A         361         709           1994         241         1,305         N/A         439         672           1995         386         1,715         N/A         664         964           1996         387         1,613         N/A         791         1,314           1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966         692           1999         366         1,109         N/A         1,004         820           2000         389         762         N/A         733         546           2001         253         867         147         792         667           2002         104         981         546         1,117         517           2003         354         1,049         661         1,387         1,33           2004         303         1,422         856         974         1,099           2005         290         1,349         829         1,609	1,802 2,196 1,881	· '
1993         293         1,193         N/A         361         709           1994         241         1,305         N/A         439         672           1995         386         1,715         N/A         664         964           1996         387         1,613         N/A         791         1,31-           1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966         692           1999         366         1,109         N/A         1,004         820           2000         389         762         N/A         733         546           2001         253         867         147         792         667           2002         104         981         546         1,117         517           2003         354         1,049         661         1,387         1,33           2004         303         1,422         856         974         1,099           2005         290         1,349         829         1,609         976           2006         105         1,284         1,578         2	2,196 1,881	4,264
1994         241         1,305         N/A         439         672           1995         386         1,715         N/A         664         964           1996         387         1,613         N/A         791         1,314           1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966         692           1999         366         1,109         N/A         1,004         820           2000         389         762         N/A         733         546           2001         253         867         147         792         667           2002         104         981         546         1,117         517           2003         354         1,049         661         1,387         1,33           2004         303         1,422         856         974         1,099           2005         290         1,349         829         1,609         976           2006         105         1,284         1,578         2,566         1,156           2007 (avg.)         252         1,626         1,313	1,881	4,752
1995         386         1,715         N/A         664         964           1996         387         1,613         N/A         791         1,314           1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966         692           1999         366         1,109         N/A         1,004         820           2000         389         762         N/A         733         546           2001         253         867         147         792         667           2002         104         981         546         1,117         517           2003         354         1,049         661         1,387         1,33           2004         303         1,422         856         974         1,099           2005         290         1,349         829         1,609         976           2006         105         1,284         1,578         2,566         1,156           2007 (avg.)         252         1,626         1,313         2,257         1,292           May         341         1,574         1,280<		4,538
1996         387         1,613         N/A         791         1,314           1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966         692           1999         366         1,109         N/A         1,004         820           2000         389         762         N/A         733         546           2001         253         867         147         792         667           2002         104         981         546         1,117         517           2003         354         1,049         661         1,387         1,33           2004         303         1,422         856         974         1,099           2005         290         1,349         829         1,609         976           2006         105         1,284         1,578         2,566         1,156           2007 (avg.)         252         1,626         1,313         2,257         1,292           May         341         1,574         1,280         1,644         1,104           August         266         1,689 <t< td=""><td>1.7.00</td><td>5,465</td></t<>	1.7.00	5,465
1997         318         1,698         N/A         1,022         786           1998         335         1,115         N/A         966         692           1999         366         1,109         N/A         1,004         820           2000         389         762         N/A         733         546           2001         253         867         147         792         667           2002         104         981         546         1,117         517           2003         354         1,049         661         1,387         1,33           2004         303         1,422         856         974         1,099           2005         290         1,349         829         1,609         976           2006         105         1,284         1,578         2,566         1,156           2007 (avg.)         252         1,626         1,313         2,257         1,293           May         341         1,574         1,280         1,644         1,100           August         266         1,689         1,522         2,284         1,244           September         149         1,616		5,684
1998         335         1,115         N/A         966         692           1999         366         1,109         N/A         1,004         820           2000         389         762         N/A         733         546           2001         253         867         147         792         667           2002         104         981         546         1,117         517           2003         354         1,049         661         1,387         1,33           2004         303         1,422         856         974         1,099           2005         290         1,349         829         1,609         976           2006         105         1,284         1,578         2,566         1,158           2007 (avg.)         252         1,626         1,313         2,257         1,293           May         341         1,574         1,280         1,644         1,100           August         266         1,689         1,522         2,284         1,244           September         149         1,616         1,137         2,842         1,533		5,503
1999         366         1,109         N/A         1,004         820           2000         389         762         N/A         733         546           2001         253         867         147         792         667           2002         104         981         546         1,117         517           2003         354         1,049         661         1,387         1,33           2004         303         1,422         856         974         1,099           2005         290         1,349         829         1,609         976           2006         105         1,284         1,578         2,566         1,158           2007 (avg.)         252         1,626         1,313         2,257         1,293           May         341         1,574         1,280         1,644         1,100           August         266         1,689         1,522         2,284         1,244           September         149         1,616         1,137         2,842         1,533		4,500
2000         389         762         N/A         733         546           2001         253         867         147         792         667           2002         104         981         546         1,117         517           2003         354         1,049         661         1,387         1,33°           2004         303         1,422         856         974         1,099           2005         290         1,349         829         1,609         976           2006         105         1,284         1,578         2,566         1,158           2007 (avg.)         252         1,626         1,313         2,257         1,292           May         341         1,574         1,280         1,644         1,100           August         266         1,689         1,522         2,284         1,244           September         149         1,616         1,137         2,842         1,533		5,338
2002         104         981         546         1,117         517           2003         354         1,049         661         1,387         1,33           2004         303         1,422         856         974         1,099           2005         290         1,349         829         1,609         976           2006         105         1,284         1,578         2,566         1,156           2007 (avg.)         252         1,626         1,313         2,257         1,292           May         341         1,574         1,280         1,644         1,100           August         266         1,689         1,522         2,284         1,244           September         149         1,616         1,137         2,842         1,533		4,310
2003         354         1,049         661         1,387         1,337           2004         303         1,422         856         974         1,099           2005         290         1,349         829         1,609         976           2006         105         1,284         1,578         2,566         1,156           2007 (avg.)         252         1,626         1,313         2,257         1,292           May         341         1,574         1,280         1,644         1,100           August         266         1,689         1,522         2,284         1,244           September         149         1,616         1,137         2,842         1,533	2,113	4,839
2004         303         1,422         856         974         1,099           2005         290         1,349         829         1,609         976           2006         105         1,284         1,578         2,566         1,158           2007 (avg.)         252         1,626         1,313         2,257         1,293           May         341         1,574         1,280         1,644         1,100           August         266         1,689         1,522         2,284         1,244           September         149         1,616         1,137         2,842         1,533	2,366	5,631
2005         290         1,349         829         1,609         976           2006         105         1,284         1,578         2,566         1,158           2007 (avg.)         252         1,626         1,313         2,257         1,292           May         341         1,574         1,280         1,644         1,100           August         266         1,689         1,522         2,284         1,24           September         149         1,616         1,137         2,842         1,533	1 2,885	7,667
2006         105         1,284         1,578         2,566         1,158           2007 (avg.)         252         1,626         1,313         2,257         1,293           May         341         1,574         1,280         1,644         1,100           August         266         1,689         1,522         2,284         1,244           September         149         1,616         1,137         2,842         1,533	2,686	7,340
2007 (avg.)         252         1,626         1,313         2,257         1,292           May         341         1,574         1,280         1,644         1,100           August         266         1,689         1,522         2,284         1,242           September         149         1,616         1,137         2,842         1,533	2,037	7,090
May         341         1,574         1,280         1,644         1,100           August         266         1,689         1,522         2,284         1,244           September         149         1,616         1,137         2,842         1,533	3 1,958	8,649
August         266         1,689         1,522         2,284         1,244           September         149         1,616         1,137         2,842         1,533	2 2,586	9,327
September         149         1,616         1,137         2,842         1,533	2,404	8,343
	4 2,392	9,397
2008 (avg.) 235 1,688 2,210 2,903 1,89°	3 2,963	10,240
	1 3,400	12,328
April 153 1,325 2,058 2,855 1,538		10,724
May 194 1,776 2,960 2,840 2,116		11,766
May* 188 1,728 2,609 2,743 2,00	1 2,384	11,653
June 132 1,638 2,557 2,931 1,704	4 3,276	12,238
July 212 1,594 1,955 2,884 2,194	4 3,666	12,505
August 318 1,642 2,073 3,021 2,116	3 4,185	13,355
August* 373 1,781 2,127 2,864 1,836	6 4,581	13,562
September         269         1,991         2,302         3,081         2,092	, , ,	13,775
September*         312         1,892         1,960         3,397         1,377		12,535
October 203 1,512 1,497 2,416 1,940	3,599	11,167
2009 (avg.) 256 2,294 2,606 3,823 2,225	5 4,289	15,495
April 185 1,585 1,828 3,202 1,660	2,309	10,769
May 209 2,601 2,371 3,420 1,75		14,192
May* 143 1,845 2,385 3,423 1,676	3,287	12,759
June 161 2,504 2,245 3,802 2,396	4,426	15,534
July 339 2,943 2,624 4,200 2,963		17,398
August* 309 2,376 2,365 3,966 2,423		16,959
August         345         2,505         3,821         3,941         2,64°	1 4,970	18,223
September*         332         2,172         2,683         4,330         2,556	1,070	17,513
September         272         1,930         2,778         4,038         2,016	5,440	15,453
October 268 2,479 2,962 3,911 2,172	5 5,440 6 4,419	16,146

#### Notes

- Count is on a single mid-summer weekday from 7AM to 7PM from 1980, and 1985-2006
- 2. There is no data available for 12th Avenue in 1986 and the Williamsburg Bridge in 1991
- 3. The Hudson River Greenway and Manhatan Bridge path opened to cycling in 2001
- 4. For years prior to availability of the Hudson River Greenway, data for 9th, 10th, 11th and 12th avenues are shown as a proxy.
  - \* Count is from the DOT Screenline Count which is done three times per year



Bicycle Program

# **New York City Cyclist Counts by Year**

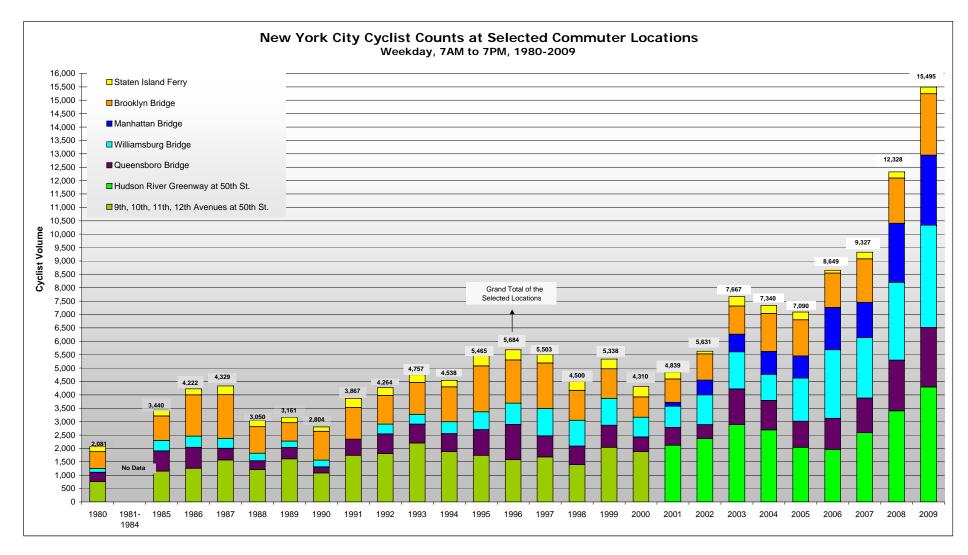
Weekday Counts, 7am to 7pm, At Selected Commuter Locations

	Facility							
Year	Staten Island Ferry	Brooklyn Bridge	Manhattan Bridge	Williamsburg Bridge	Queensboro Bridge	Hudson River Greenway at 50th St.	9th, 10th, 11th, 12th Avenues at 50th St.	Grand Total
1980	207	623		146	344		761	2,081
1981-1984	N/A	N/A		N/A	N/A		N/A	N/A
1985	231	913		392	759		1,145	3,440
1986	224	1,542		420	780		1,256	4,222
1987	327	1,633		368	436		1,565	4,329
1988	244	988		282	330		1,206	3,050
1989	202	690		240	423		1,606	3,161
1990	170	1,075		248	227		1,084	2,804
1991	341	1,183	N/A. See	N/A	602	N/A. See	1,741	3,867
1992	290	1,073	Note	362	737	Note	1,802	4,264
1993	293	1,193		361	709		2,196	4,752
1994	241	1,305		439	672		1,881	4,538
1995	386	1,715		664	964		1,736	5,465
1996	387	1,613		791	1,314		1,579	5,684
1997	318	1,698		1,022	786		1,679	5,503
1998	335	1,115		966	692		1,392	4,500
1999	366	1,109		1,004	820		2,039	5,338
2000	389	762		733	546		1,880	4,310
2001	253	867	147	792	667	2,113		4,839
2002	104	981	546	1,117	517	2,366		5,631
2003	354	1,049	661	1,387	1,331	2,885	Removed	7,667
2004	303	1,422	856	974	1,099	2,686	From	7,340
2005	290	1,349	829	1,609	976	2,037	Indicator.	7,090
2006	105	1,284	1,578	2,566	1,158	1,958	See Notes.	8,649
2007	252	1,626	1,313	2,257	1,292	2,586		9,327
2008	235	1,688	2,210	2,903	1,891	3,400		12,328
2009	256	2,294	2,606	3,823	2,225	4,289		15,495

#### Notes:

- 1. Count is on a single mid-summer weekday from 7AM to 7PM from 1980, and 1985-2006
- 2. There is no data available for 12th Avenue in 1986 and the Williamsburg Bridge in 1991
- 3. The value for 2007 is the average of 3 counts taken in 2007 (in May, August & September)
- 4. The value for 2008 and 2009 is the average of 10 counts taken between April and October
- 5. The Hudson River Greenway and Manhatan Bridge path opened to cycling in 2001
- 6. For years prior to availability of the Hudson River Greenway, data for 9th, 10th, 11th and 12th avenues are shown as a proxy





#### Notes

- 1. Count is on a single summer weekday from 7AM to 7PM from 1980, and 1985-2006
- 2. There is no data available for 12th Avenue in 1986 and the Williamsburg Bridge in 1991
- 3. The value for 2007 is the average of 3 counts taken in 2007 (in May, August & September)
- 4. The value for 2008 and 2009 is the average of 10 counts taken between April and October  $\,$
- 5. The Hudson River Greenway and Manhatan Bridge path opened to cycling in 2001
- 6. For years prior to availability of the Hudson River Greenway, data for 9th, 10th, 11th and 12th avenues are shown as a proxy
- 7. 9th through 12th Avenues is removed from the count from 2001 forward when the Hudson River Greenway enters the count

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## 2009 NYC Commuter Cycling Indicator

## An Estimate of Trends in Regular Cycling for Transportation

Estimating trends in regular bicycle use in NYC is difficult as there are few robust sources of data. For example, the census only asks about cycling use for the trip to work and is conducted only once per decade. DOT has developed an indicator that makes use of the most robust data available to estimate levels of commuter<sup>1</sup> cycling over time.

Since 1985, DOT has been conducting an annual 12 hour count of cyclists entering and existing the center of Manhattan. Known as the NYC Bicycle Screenline Count, it includes counts of cyclists crossing the four East River bridges, entering and exiting the Staten Island Ferry at the Whitehall Terminal and each avenue and the Hudson River Greenway at 50<sup>th</sup> Street. It is the most robust, long-term count in NYC and is the basis of the NYC Commuter Cycling Indicator, however it was conducted only once per year.

In 2007, DOT began conducting the screenline three times per year. Beginning in 2008, DOT augmented the three screenline counts with 7 monthly counts from April to October, for a total of 10 counts per year.

The historic screenline data is adapted and blended with more robust current counts to become an indicator through four primary steps:

## 1. Removing Irregular, Primarily Non-Commuter Data

An analysis of the avenue data from the screenline count at 50<sup>th</sup> Street showed that cyclist volumes fluctuated significantly from year to year and that the daily peaks were in the middle of the day. This and the fact that 50<sup>th</sup> Street is in the heart of the midtown central business district indicates that much of the cyclist volume crossing 50<sup>th</sup> Street is made up of working cyclists (messengers and food delivery), the volume of which is dependent on certain kinds of economic activity and are not commutation trips. Therefore, the NYC Commuter Cycling Indicator excludes the avenue counts and uses solely the counts of the four East River Bridges, Hudson River Greenway and cyclists entering and exiting the Staten Island Ferry at Whitehall Terminal. The bicycle counts on the bridges, ferry and on the Hudson River Greenway show less variability and because they are limited access facilities; they indicate that a cyclist is taking a long trip rather than the typically short trip of a working cyclists.

## 2. Creating a Historical Proxy for the Hudson River Greenway

Since the first count was taken in 1980, the Hudson River Greenway and the Manhattan Bridge bicycle path were added to the inventory of cycling facilities. The Manhattan Bridge serves a similar market of cycling as the nearby Brooklyn Bridge. For many cyclists, the Hudson River Greenway provides an alternative to nearby avenues. Therefore, to keep the indicator as a conservative estimate of commuter cyclist volumes over time, counts for Ninth, Tenth, Eleventh and Twelfth Avenues are included in the indicator up to the year 2000. In 2001, when an interim version of the Hudson River Greenway opened, these avenues are dropped from the indicator.

<sup>(1)</sup> While many consider commuting as referring to the journey to and from work, our usage here is in concert with the Webster's definition of commute: "to travel regularly, between points at some distance"

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The results of step one and two are the raw data that compose the indicator and are attached in chart and table form.

## 3. Adjust for Annual Volatility of Counts

One drawback of the screenline count has been that it is conducted on a single day during the summer and thus may not be a robust indicator of a given year's cyclist volume. Beginning in 2007, the count is conducted three times per year (spring, summer, fall) and since 2008 there are now 10 counts per year. To account for the volatility prior to 2007, the indicator is based on an average of the given year's count and the counts of the preceding and subsequent years.

### 4. Index Count to Base 100 for Year 2000

Since the count is not a count of all cyclists in New York City, it is important that it be clear that the indicator is the best estimate of trends in cycling levels in the City over time. Thus, rather than presenting the number of cyclists counted, an index is created using the year 2000 as a baseline. All values for each year have been divided by the value for the year 2000 and multiplied by 100. Indexing the year 2000 to 100 allows for simple comparisons between values.

#### **Indicator Results**

Despite the conservative removal of the westerly avenues from the indicator in 2001, the indicator shows a clear and accelerated growth in regular cycling in New York City this decade. It is estimated that commuter cycling has grown by 221% between 2000 and 2009. The table below and attached chart illustrate the acceleration in regular cycling.

**NYC Commuter Cycling Indicator for Selected Years** 

Year	Indicator
1986	83
1990	68
1995	108
2000	100
2005	159
2006	173
2007	193
2008	255
2009	321