

Bicycles



A NEW YORK STORY

YUMING SHEN
GREEN DESIGN AND THE CITY

Agenda



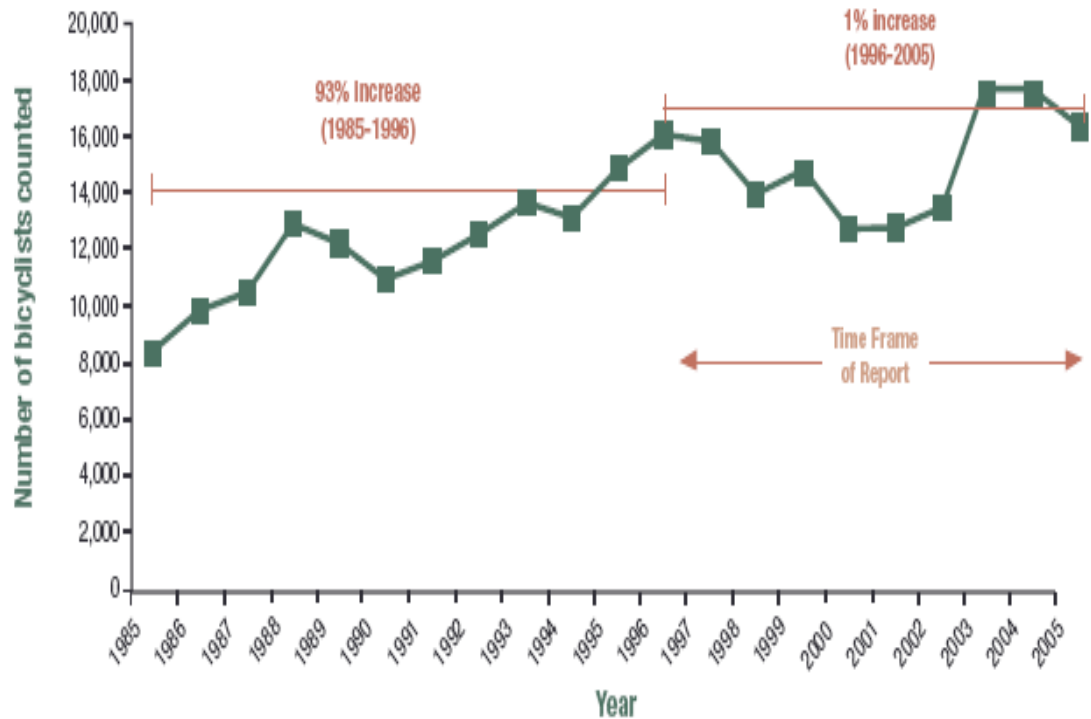
- **Introduction of the Two-Wheeled NYC**
- **A Plan for the Bike Future**
- **2009 SITREP**
- **.....Now What?**



Introduction of the Two-Wheeled New York City

- In 2000, twice as many New Yorkers walked or biked as compared to the national average
- Bicycles are used for recreation, commuting, and work
- Number of bicyclists has increased substantially
- Promoting bicycle use is part of PlaNYC's transportation initiative

Annual "Screen-Line" Bicycle Count, NYC 1985-2005 by NYC Department of Transportation



"Screen-line" is a 12-hour count of all bicycles that cross 50th Street in Manhattan, the East River Bridges, and the Staten Island Ferry Terminal. It is conducted between 7 a.m. and 7 p.m. during a two-week period in the late summer or early fall.

Source: *Bicycle Fatalities and Serious Injuries in New York City 1996-2005*

A Plan for the Bike Future



- 1993 *A Greenway Plan for New York City*
 - *350 bike miles*
- 1997 *New York City Bicycle Master Plan*
 - *900 bike miles*
- 2006 *Response to Bicycle Fatalities and Serious Injuries in New York City 1996-2005*
 - *200 bike miles*

A Plan for the Bike Future



- *Bicycle Fatalities and Serious Injuries in New York City 1996-2005*
 - *Analyzed 225 deaths and 3,462 serious accidents*
 - *92% of deaths involved crashes with motor vehicles*
 - *Over ½ occurred on large 4 lane roads*
 - *Only 1 death occurred in a bike lane*
 - *97% of bicyclists who died were not wearing helmets*

2009 SITREP



- **Completed 200 bike miles in June 2009**
 - 88 projects focusing on different street sections
 - Innovative street layouts to protect bicyclists
 - Bike connections between all four East River bridges
- **45% increase in the number of bicyclists over last 3 years**

2009 SITREP



- Installed 20 bike shelters and 6,100 bike racks
- David Byrne's art pieces



2009 SITREP



- **Focus on promoting safety**
 - Green bicycle lanes
 - Bicycle boxes
 - Bicycle traffic lights
 - Free bicycle helmets
 - LOOK media campaign



.....Now What?



- **Double bicycle commuting by 2015**
- **Triple bicycle commuting by 2020**
- **Complete 900 bike miles by 2030**

.....Now What?



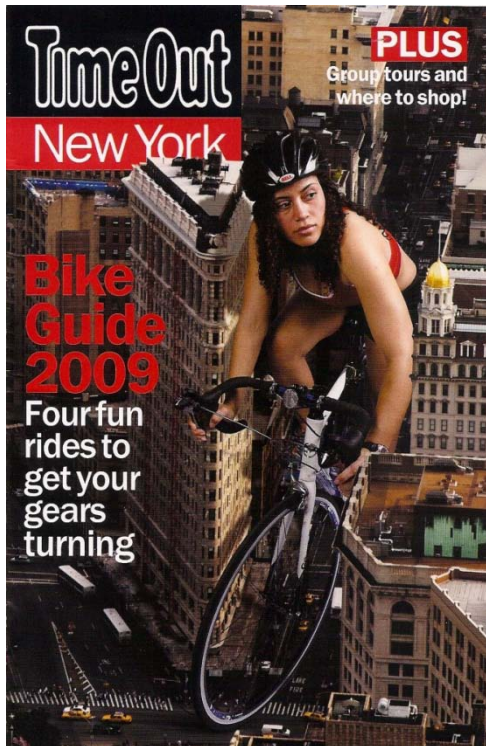
- **The issues that still exist**

- Crazy bicyclists and blind motorists
- Lack of bike facilities
- Getting people out of cars

- **Solutions?**

- Promote awareness
- Increase safety
- Safer bike storage
- Rental shops near mass transit
- Bike routes into the city
- Congestion pricing
- Decreasing speed limits
- Decreasing parking spaces

Questions?



Sources



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