

# NYC Bicycle & Pedestrian Programs



*Retrofitting: Bicycle, Pedestrian, and Green Street Facilities*

APA's National  
Planning  
Conference  
**April 2011**  
Boston



Ryan Russo

Assistant Commissioner, Traffic Management



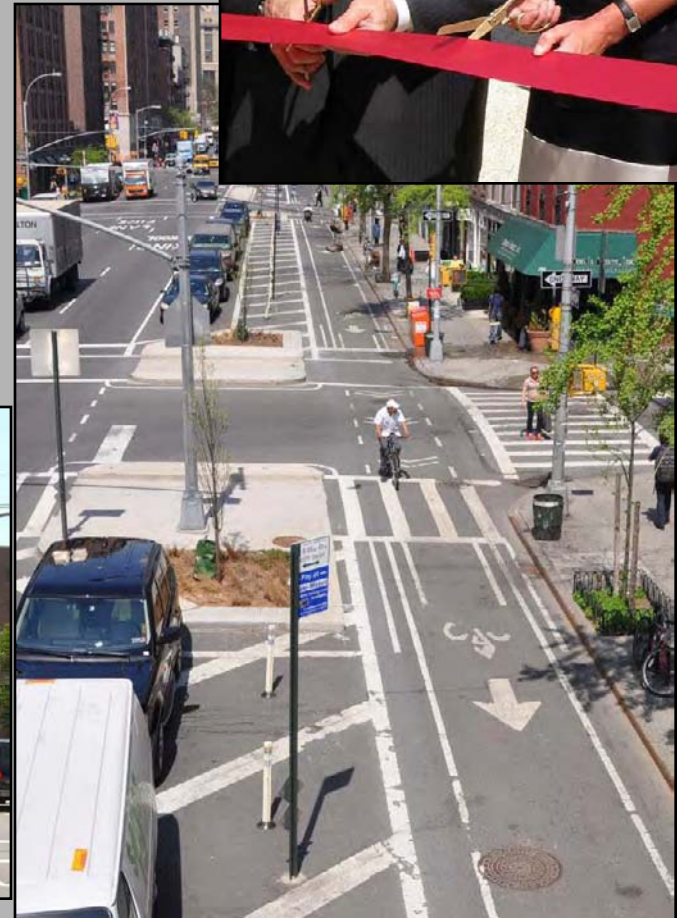
# Outline

- Context
- The Treatments
- What You Don't See



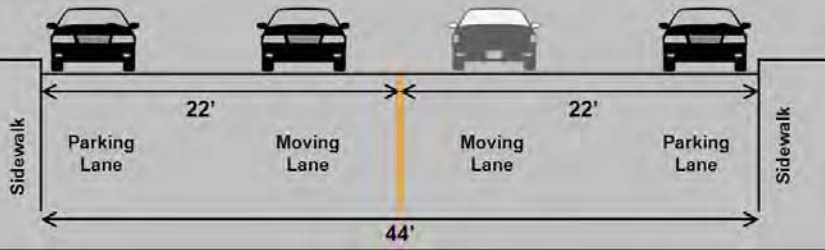
# Themes & "How's?"

1. Vision & Leadership
2. Operational vs Capital
3. Tradeoffs vs "Standards"
- 4.
- 5.
- 6.
- 7.

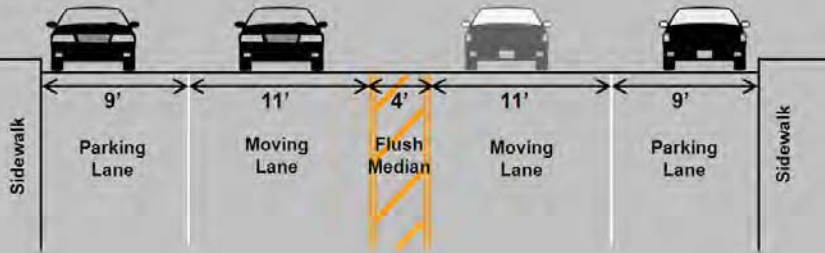


# Flush Center Mall

## EXISTING



## PROPOSED

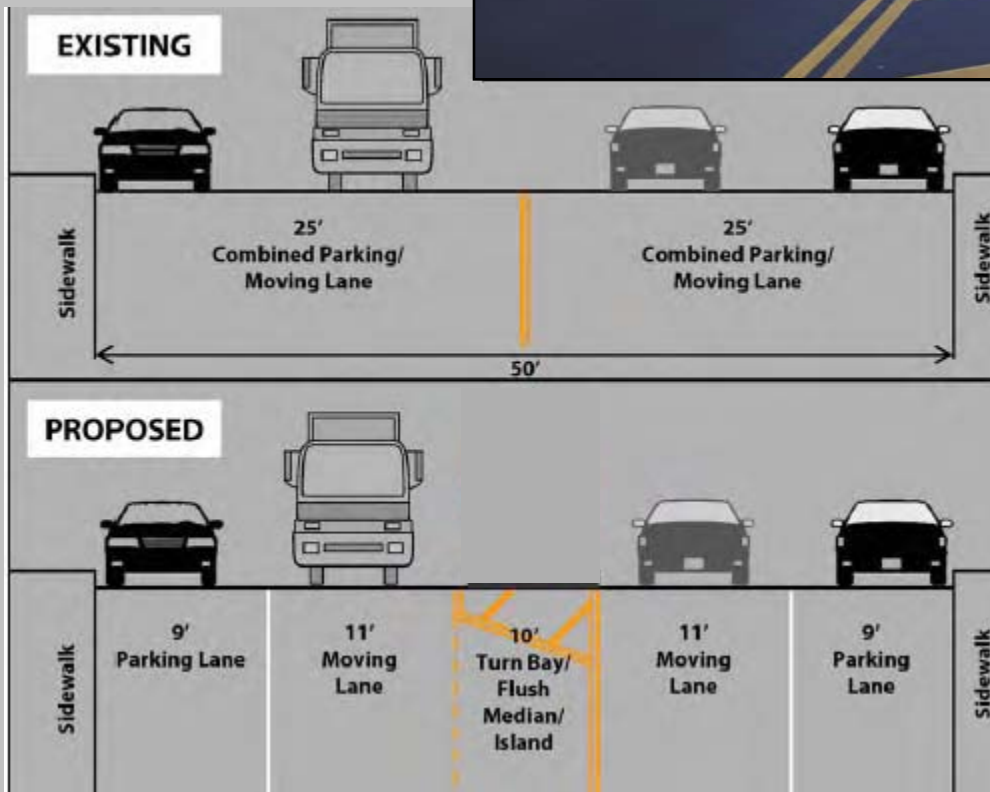


St. Theresa Avenue, Bronx

# 2-to-3 Road Diet



180 St, Bronx

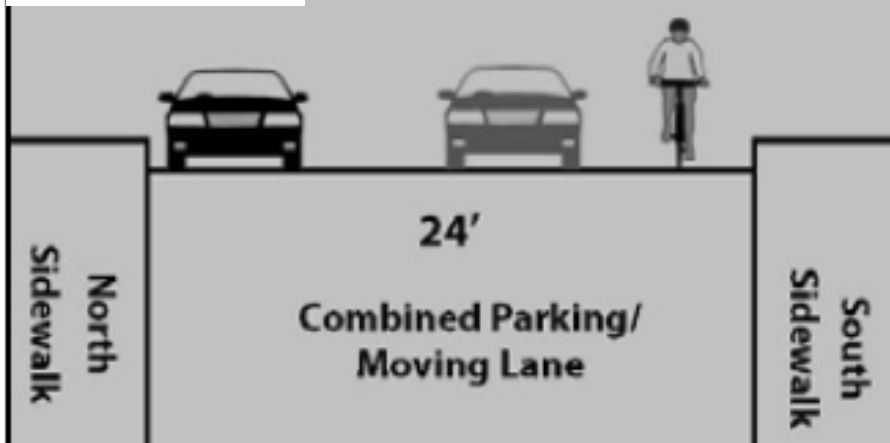


Luten Ave, Staten Island



# Curb Bike Lane

## EXISTING



## PROPOSED



Rivington St, Manhattan

# West 10<sup>th</sup> & Christopher Streets Greenway Access Improvements Manhattan, 2009





# Standard Bike Lane

## West 10<sup>th</sup> & Christopher Streets Greenway Access Improvements Manhattan, 2009





Greenwich St, Manhattan

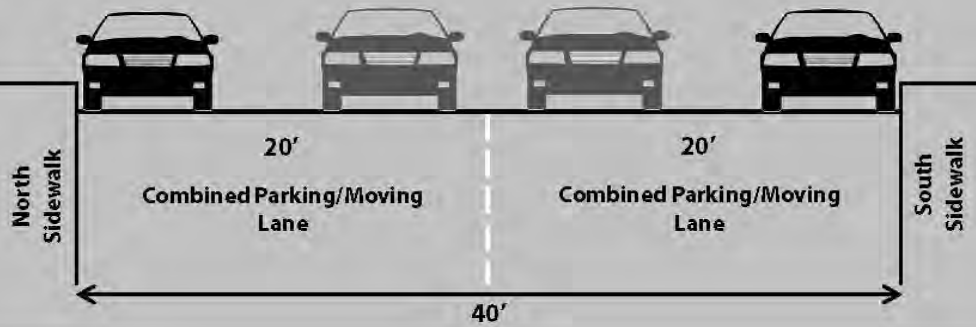
# Clarendon Road

Brooklyn, 2008

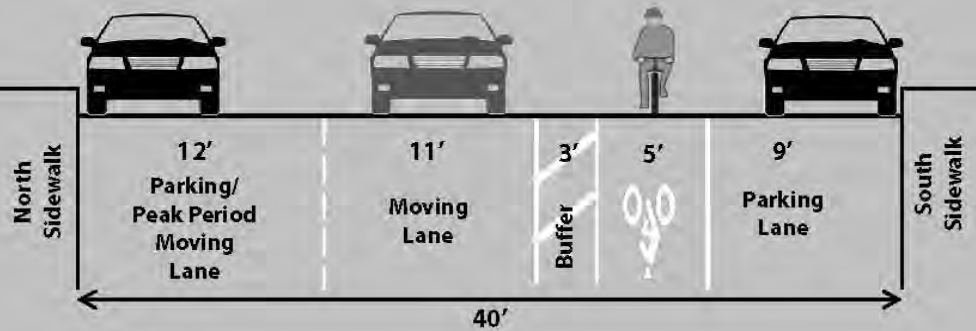


# Buffered Bike Lane

## EXISTING



## PROPOSED



DeKalb Ave, Brooklyn



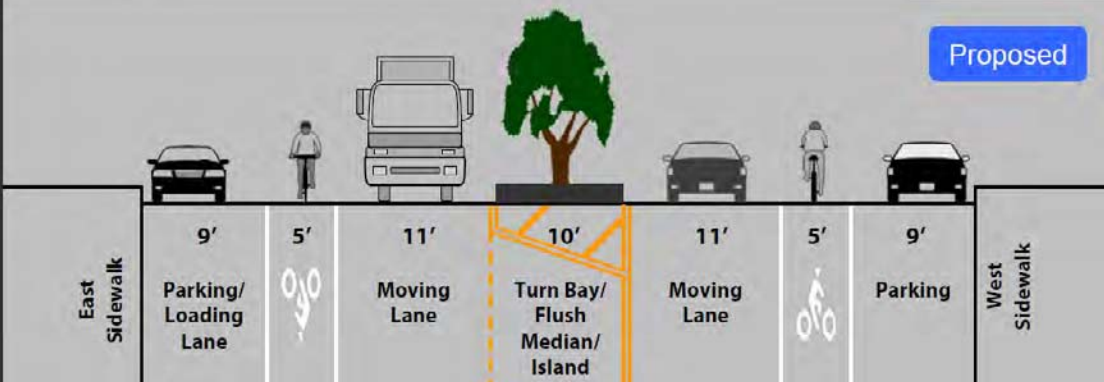
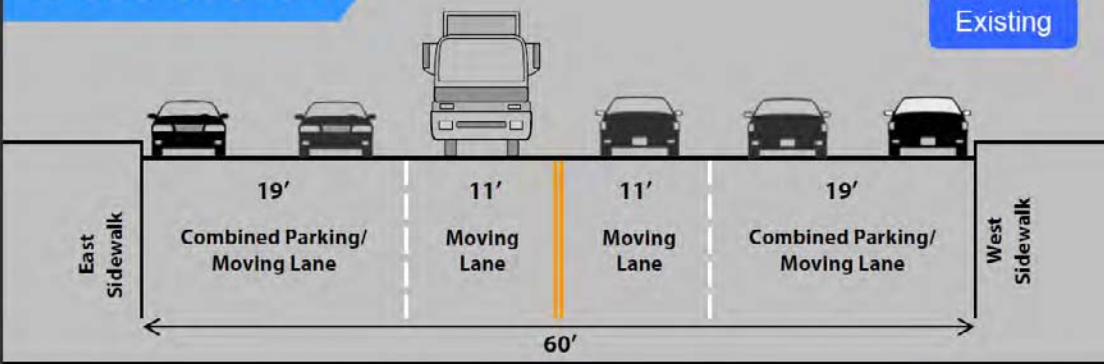
Warren St, Manhattan

Rockaway Parkway, Brooklyn



# 4-to-3 Road Diet with Bike Lanes

## Cross-section



# Allerton Avenue Traffic Calming Project

Bronx, 2009



# Empire Boulevard Traffic Calming Project Brooklyn, 2009





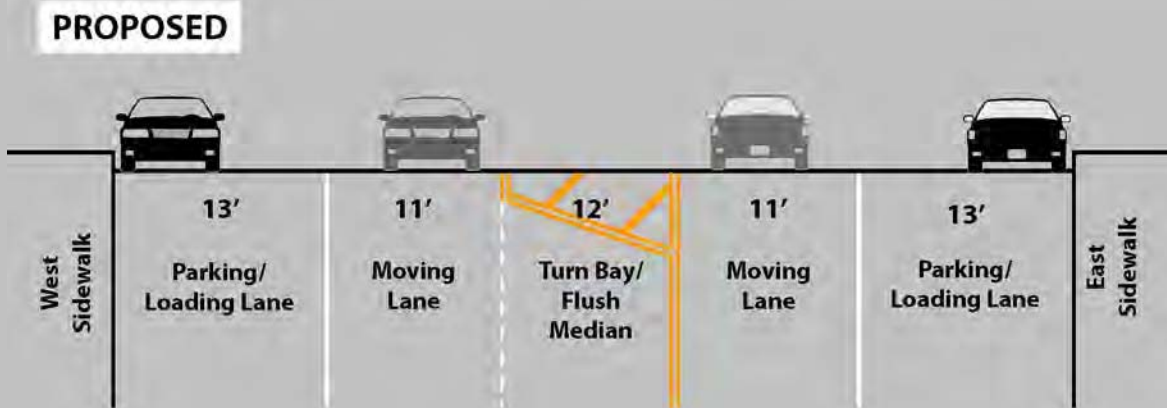
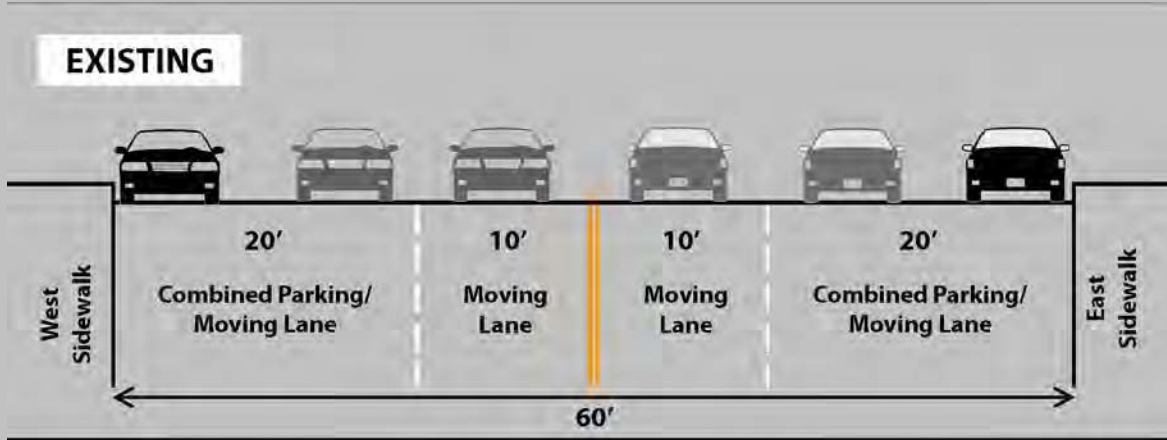
# Vanderbilt Avenue

## Landscaped Medians & Bicycle Lanes

Brooklyn, 2008



# 4-to-3 Road Diet with Wide Curb Lanes



Laconia Ave, Brooklyn



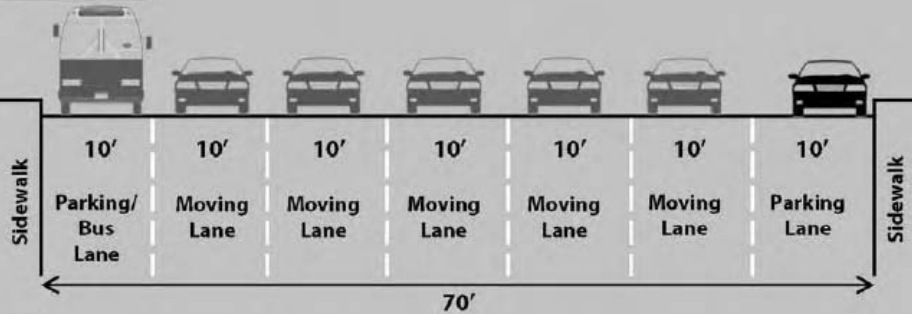
Van Cortlandt Park East

West 6<sup>th</sup> St, Brooklyn

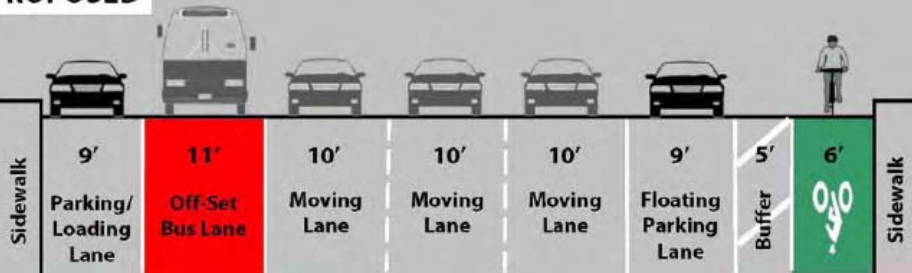


# Avenue Bicycle Paths

## EXISTING



## PROPOSED



1<sup>st</sup> Ave, Manhattan



8<sup>th</sup> Ave, Manhattan



**Grand Street**  
**Parking Protected**  
**Bicycle Path Pilot**  
Manhattan, 2008



# Broadway – Union Square Plazas, Promenade and Bicycle Path

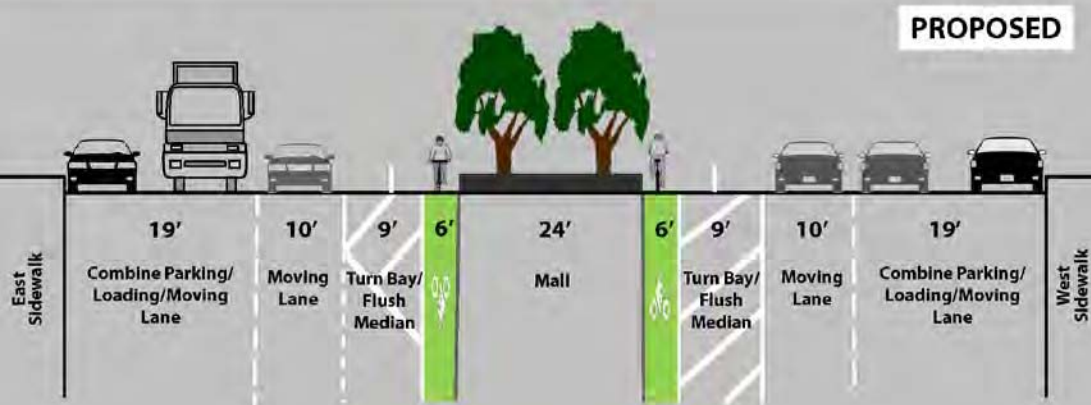
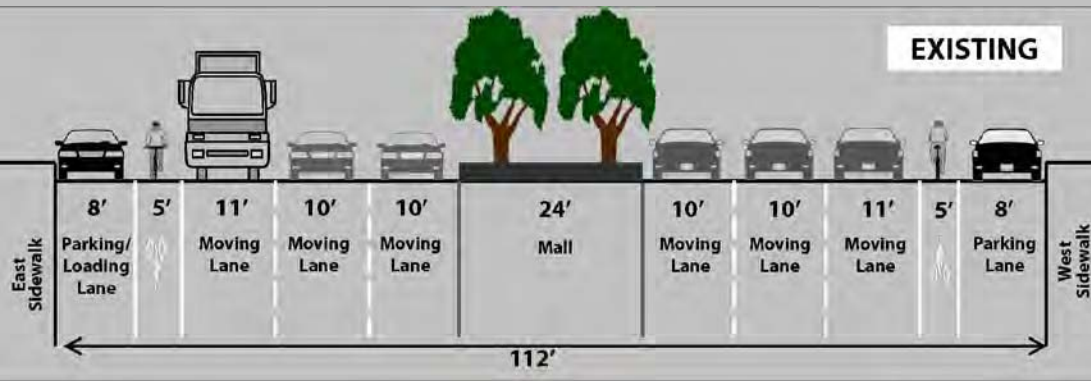
Manhattan, 2010



9th Ave, Manhattan



# Centerpaths



Allen Street, Manhattan

# Allen & Pike Streets Pedestrian & Bicycle Improvements Manhattan, 2009





**Sands Street  
Bicycle Path & Green Street  
Brooklyn, 2009**



# Sands Street Bicycle Path & Green Street Brooklyn, 2009

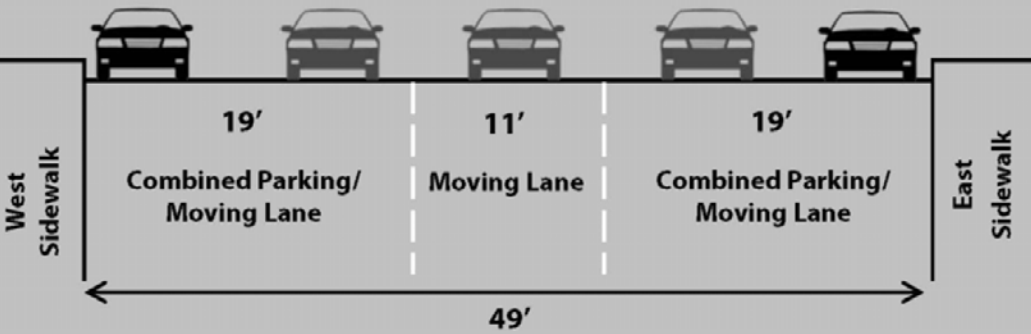


Sands Street  
Bicycle Path  
& Green Street  
Brooklyn, 2009

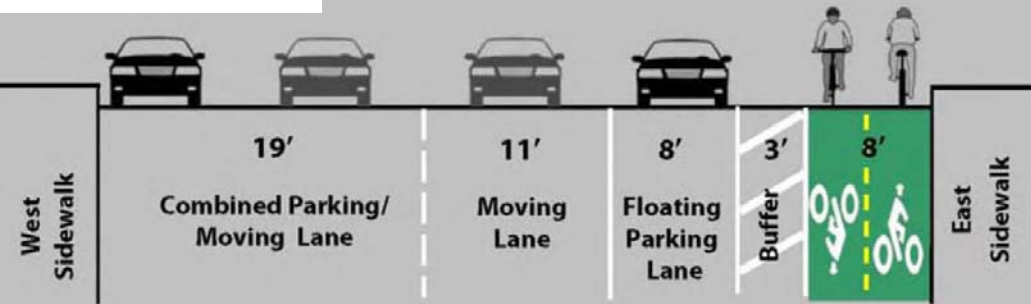


# Sideways

## EXISTING



## PROPOSED



Prospect Park West, Brooklyn

# Prospect Park West

## Traffic Calming & Protected Bicycle Path

Brooklyn 2010



Flushing Ave, Brooklyn



Furman St, Brooklyn





# Kent Avenue Brooklyn Waterfront Greenway Upgrade Brooklyn, 2009



# Kent Avenue

## Brooklyn Waterfront Greenway Upgrade

Brooklyn, 2009

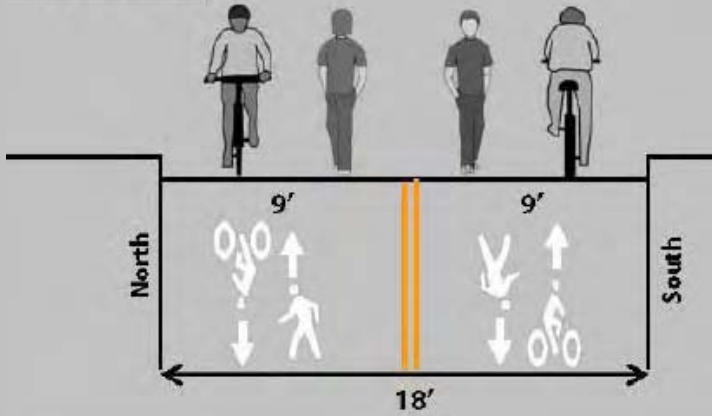




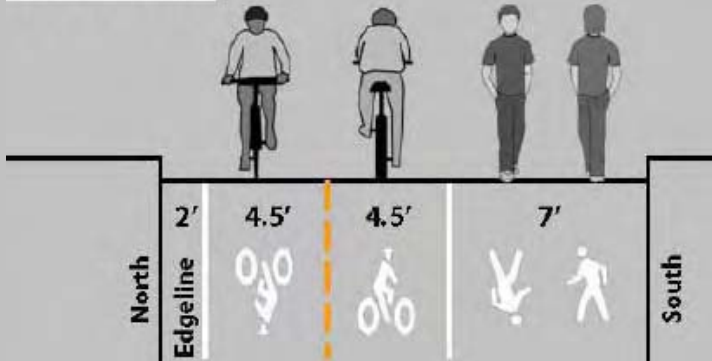
**Prospect Park West**  
**Traffic Calming & Protected Bicycle Path**  
Brooklyn 2010

# Bridge Paths

## EXISTING



## PROPOSED



Williamsburg Bridge



# Brooklyn Bridge Promenade Safety Enhancement Brooklyn, 2008



# Pedestrian Safety Islands

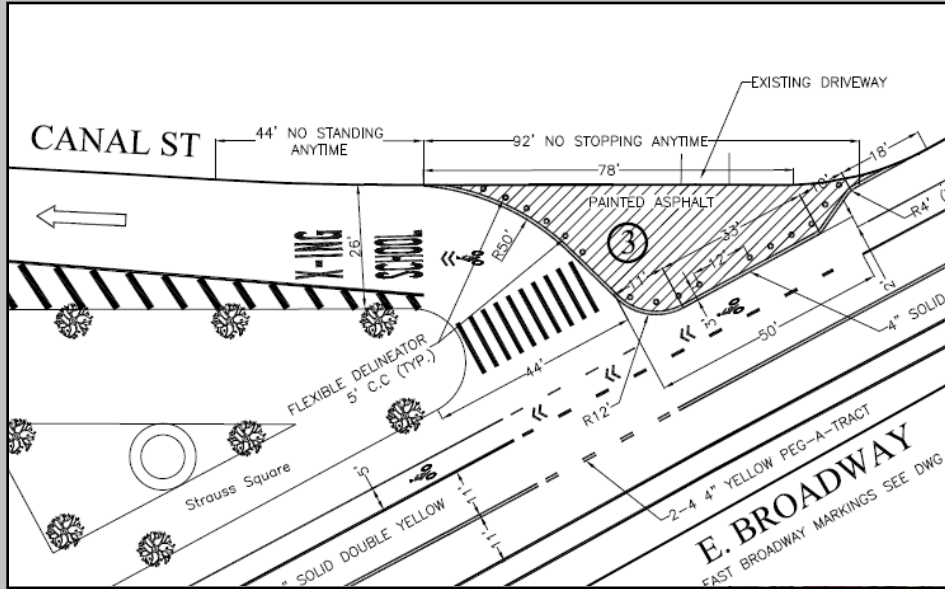


Buschick Ave, Brooklyn



Avenue C and 18<sup>th</sup> Street, Manhattan

# Re-Claiming Space: Paint



Canal St at East Broadway, Manhattan



# Bronx HUB

## Multimodal Improvements

Bronx, 2008



# Re-Claiming Space: Greenstreet



Metropolitan Avenue, Brooklyn

# Jackson at Pulaski Bridge

## Pedestrian Improvements & Network Redesign

Queens, 2009





# 12<sup>th</sup> Avenue at W 135<sup>th</sup> Street Pedestrian and Circulation Enhancement Manhattan, 2009



# Park Circle

## Multimodal Redesign & Public Space Reclamation

Brooklyn, 2009



# Grand Army Plaza Southeastern Improvements

Brooklyn, 2007



# Re-Claiming Space: Plaza



Water St, Manhattan

# Gansevoort

## Test Plazas and Network Re-design

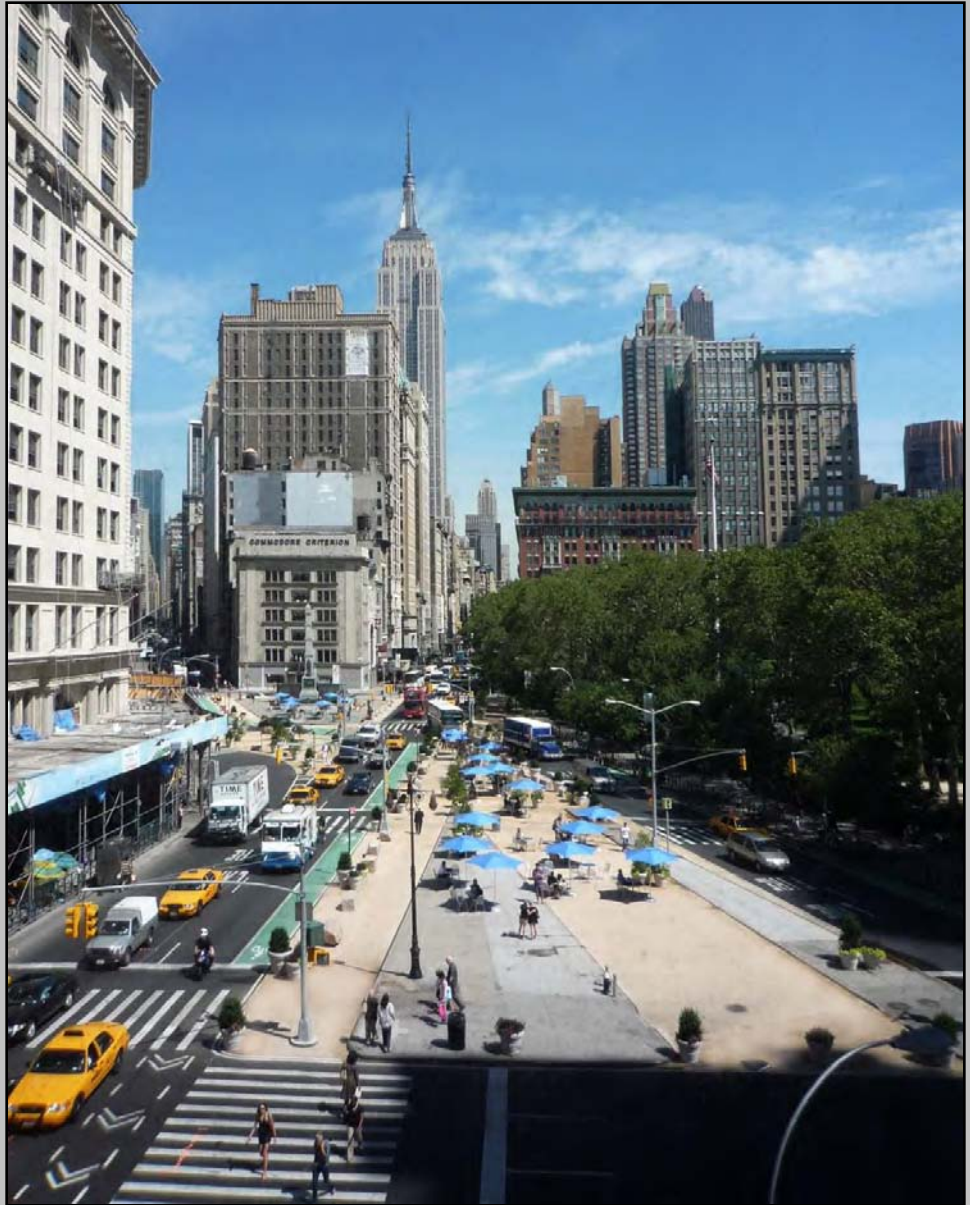
Manhattan, 2008







# Madison Square Multimodal Improvements Manhattan, 2008



# Broadway – Union Square Plazas, Promenade and Bicycle Path Manhattan, 2010



# Broadway – Union Square Plazas, Promenade and Bicycle Path Manhattan, 2010



# Water & Whitehall Streets Pedestrian Improvement & Plaza Manhattan, 2010



# Broadway: Green Light for Midtown Manhattan, 2009





# Broadway: Green Light for Midtown

Manhattan, 2009



# Themes & "How's?"

1. Vision & Leadership
2. Operational vs Capital
3. Tradeoffs vs "Standards"
4. In-House vs. Consultant Designs
5. Planners & Engineers
6. Signals & Signs vs Geometry
7. Design for Traffic





Thank  
You!