

# Broadway, Williamsburg

## Green Refuge Islands & Bike Lanes



NYC Department of Transportation  
Office of Alternative Modes  
May 2008

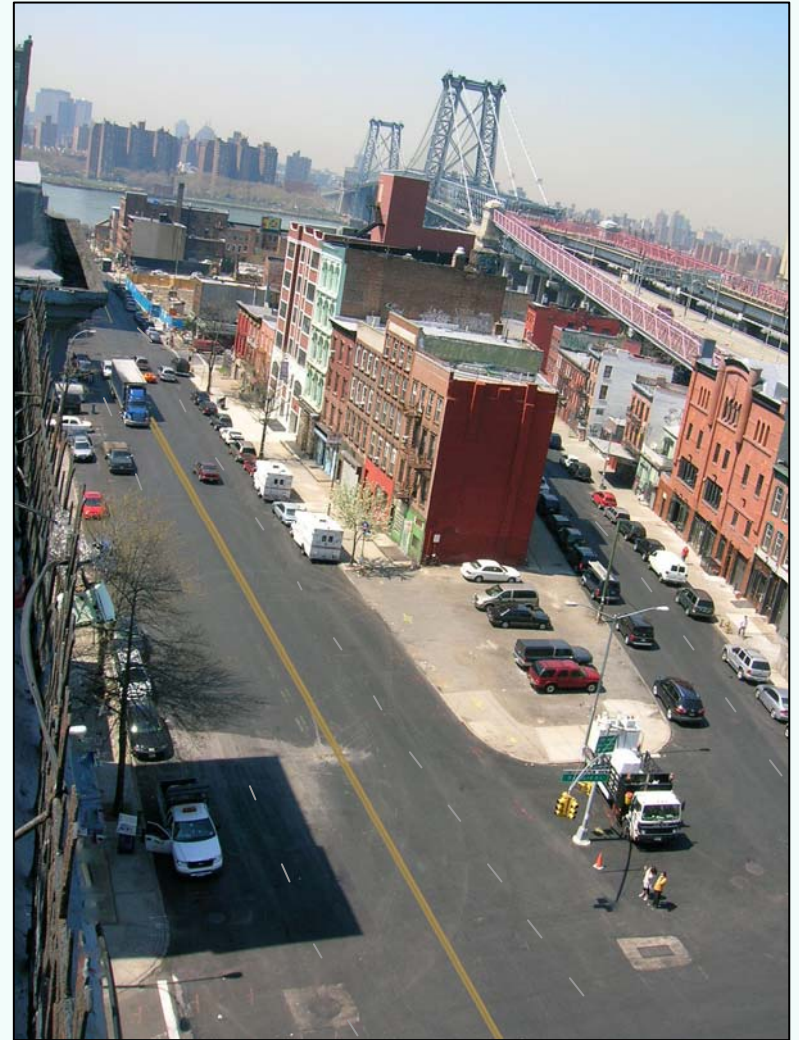
# Project Area: **Active Pedestrian Street**

- Growing Residential Community with Commercial Destinations
- Wide Street within a Large Pedestrian & Bicycle Oriented District



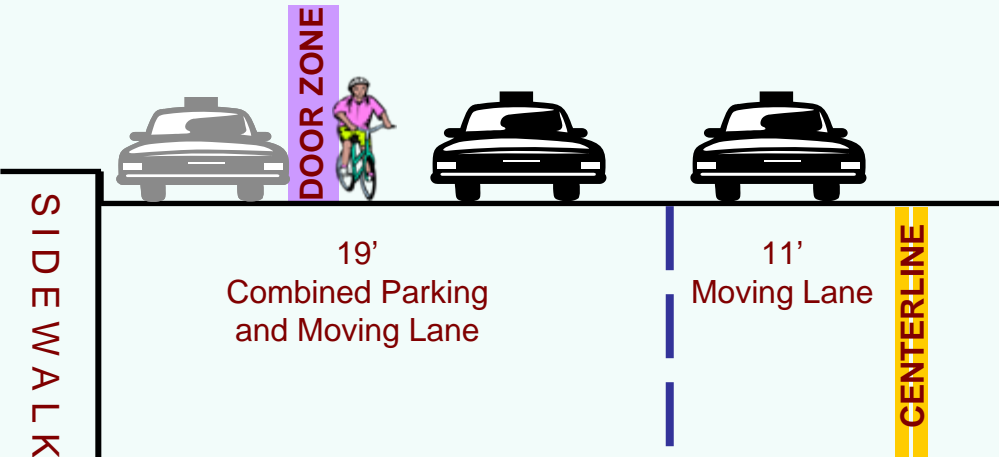
# Project Intentions

1. Organize and calm traffic
2. Improve pedestrian comfort and safety
3. Create dedicated cycling space
4. Enhance Broadway's streetscape



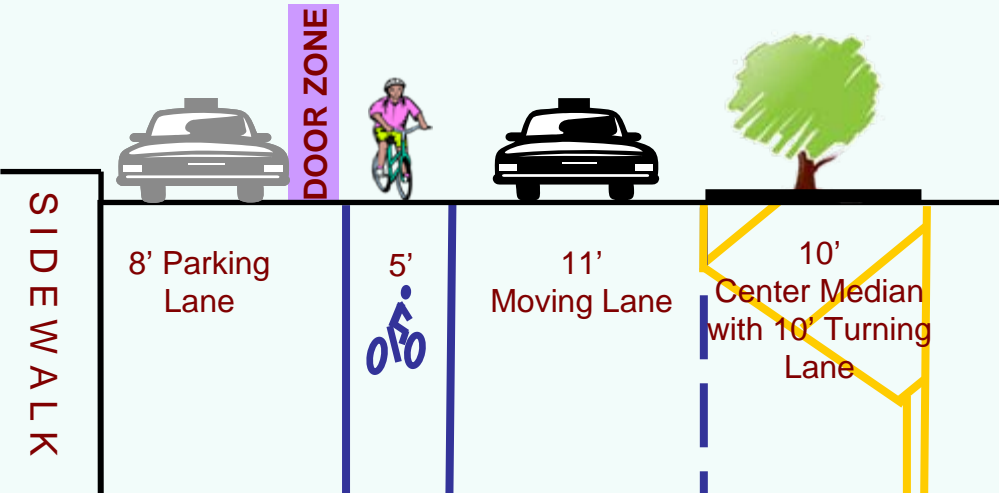
# 1. Organize and Calm Traffic

**Existing Condition:** No dedicated space for cyclists or turning vehicles



- Insufficient passing distance
- Cyclists in door zone

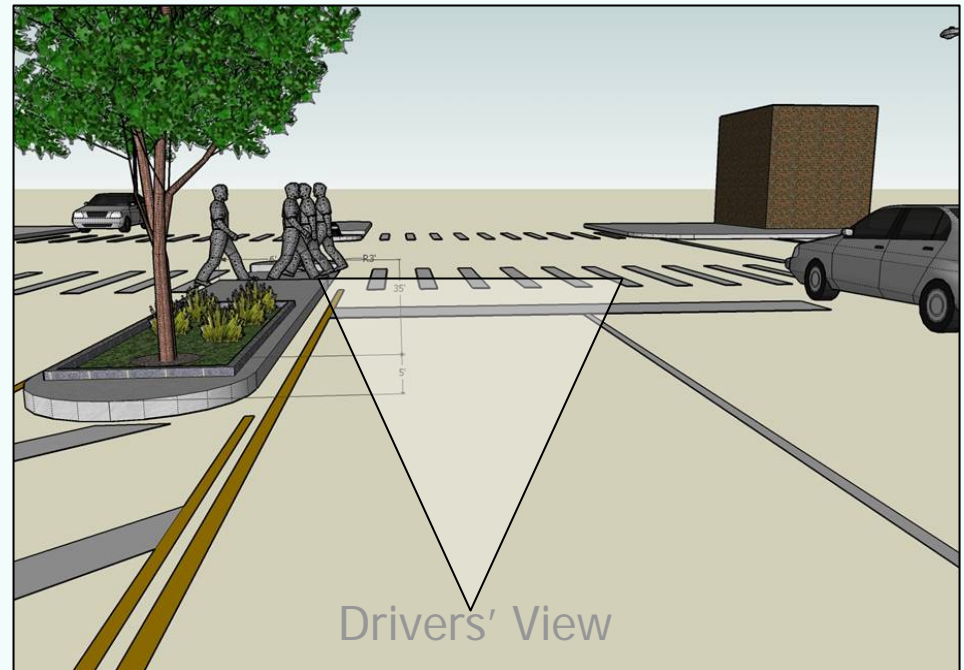
**After Proposed Traffic Calming:** Dedicated space for cyclists & turning vehicles



- Passing distance increases ~ 3 feet
- 8' parking lane + ½ of bike lane puts cyclists clear of door zone
- Left turn bays encourage yielding and reduce sudden lane changes

## 2. Improve Pedestrian Comfort & Safety

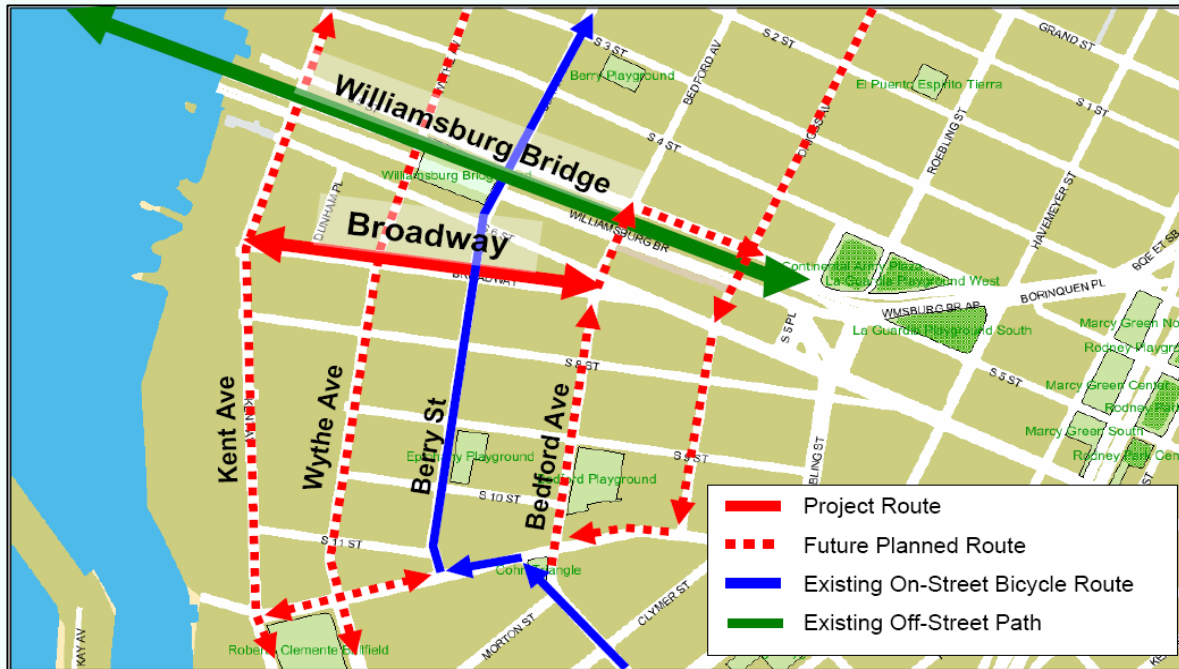
- Provides safe refuge for walkers unable to finish crossing
- Slows turning vehicles
- Adds trees to enhance and change the scale of the street



Examples of Green Refuge Islands

# 3. Create Dedicated Cycling Space

## Key Bicycle Network Connection



- Key link between Williamsburg Bridge & developing Brooklyn Waterfront for cyclists and pedestrians
- Part of the 3 year 200 mile expansion of the bicycle network under PlaNYC
- Early project in initiative to complete a Williamsburg-Greenpoint bicycle network in one year

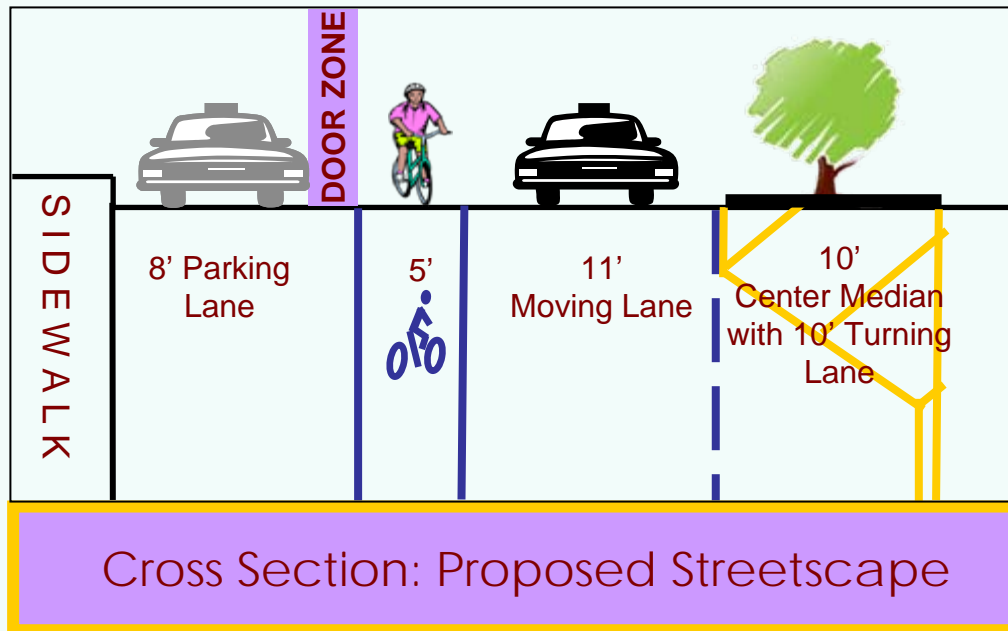
**Connects to projected bicycle lanes on:**

Kent Avenue, Wythe Avenue, Bedford Avenue and Berry Street

# 4. Enhance Broadway's Streetscape

## Green Refuge Islands: Maintained by Department of Parks and Recreation

- Verticality of trees visually narrows the street and beautifies the neighborhood
- Tree pits assist in stormwater capture
- Complete street design ensures organized space for through traffic, turning traffic, cyclists and pedestrians.



Example of Green Refuge Island

# Plan for Green Refuge Islands and Bike Lanes

