

Broadway, Williamsburg

Green Refuge Islands & Bike Lanes



NYC Department of Transportation
Office of Alternative Modes
May 2008

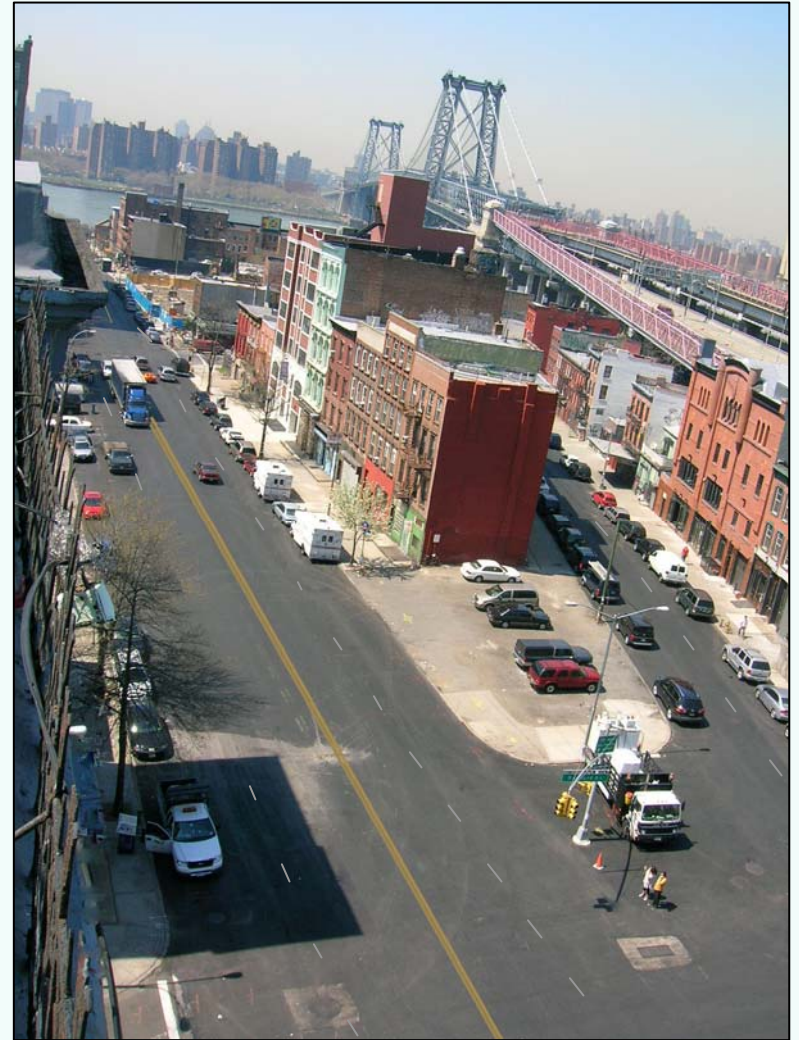
Project Area: **Active Pedestrian Street**

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



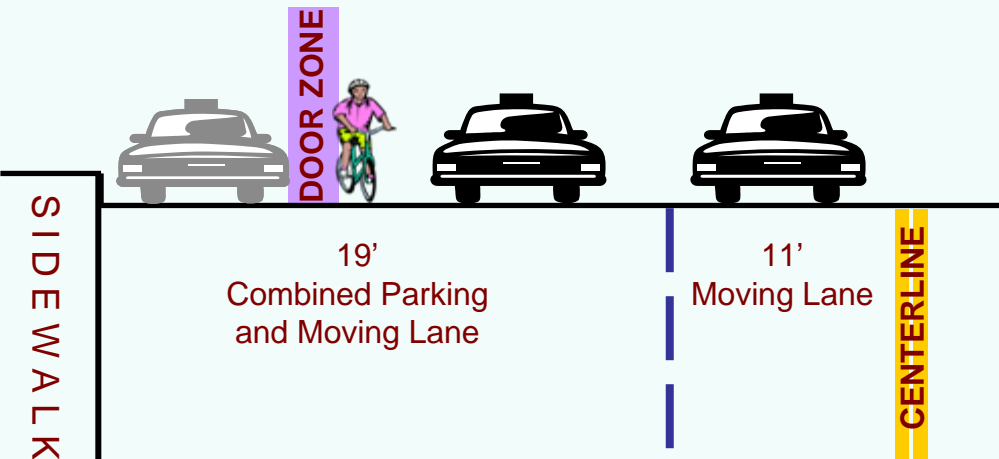
Project Intentions

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



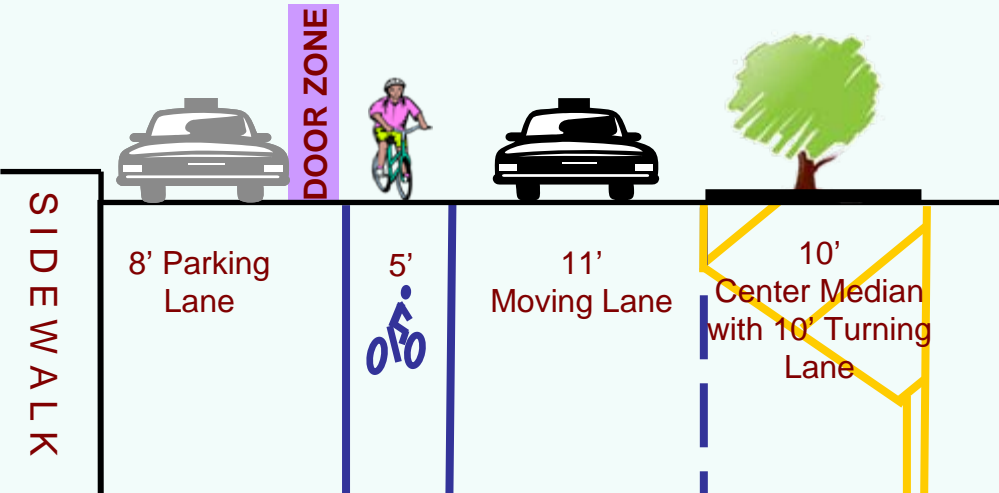
1. Organize and Calm Traffic

Existing Condition: No dedicated space for cyclists or turning vehicles



- Insufficient passing distance
- Cyclists in door zone

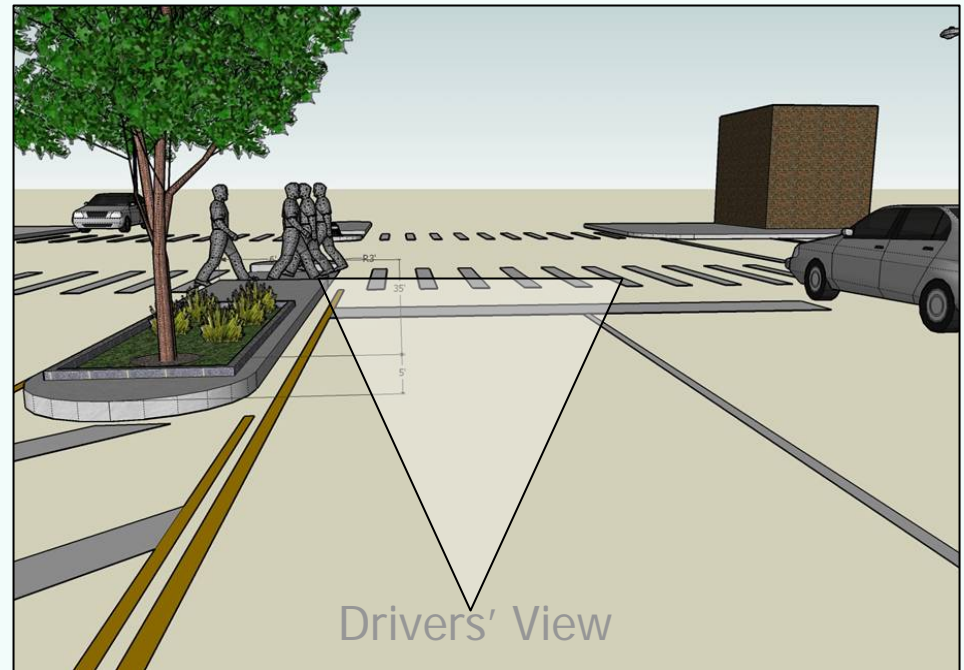
After Proposed Traffic Calming: Dedicated space for cyclists & turning vehicles



- 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

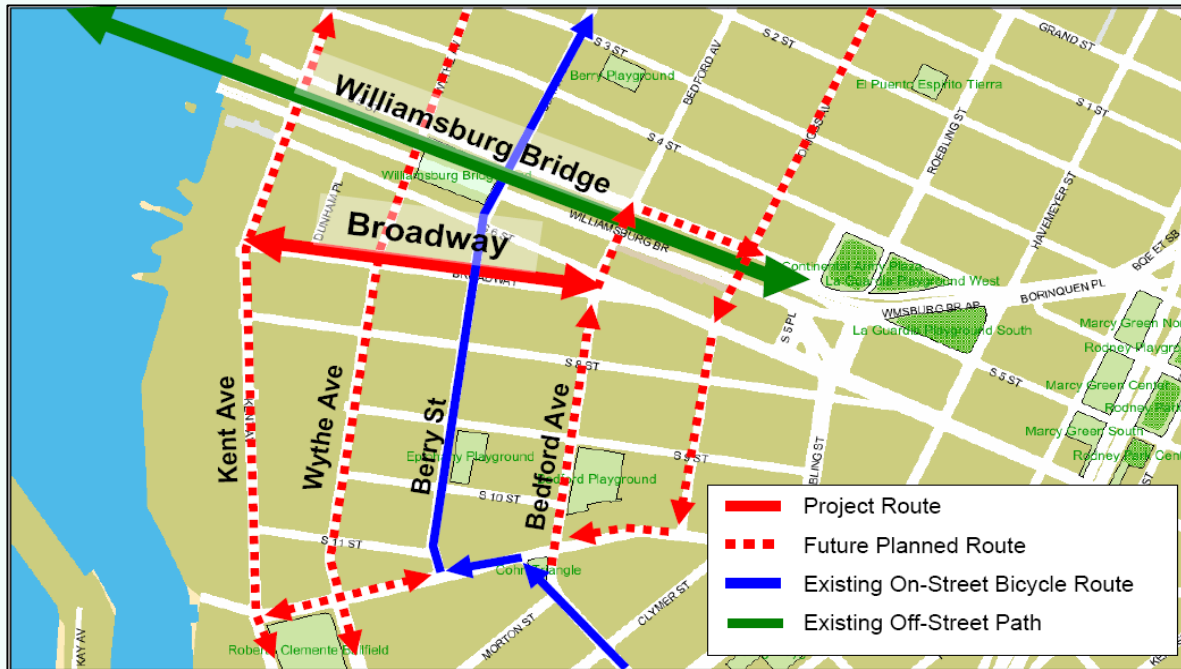
- Provides safe refuge for walkers unable to finish crossing
- Slows turning vehicles
- Adds trees to enhance and change the scale of the street



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

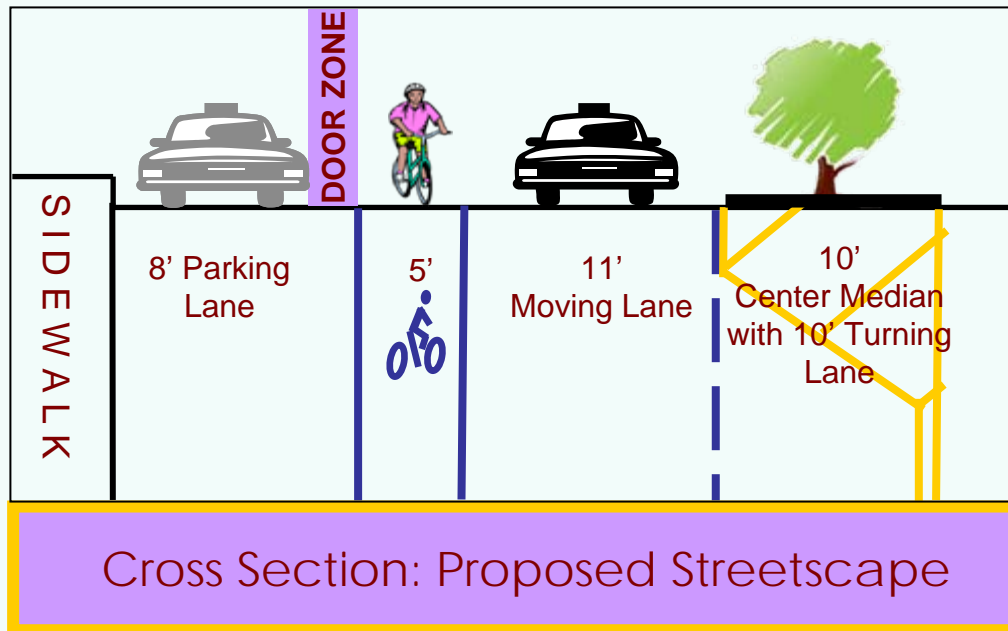
Connects to projected bicycle lanes on:

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

