Vanderbilt Avenue Bicycle Lanes and Traffic Calming
Dean Street to Flushing Avenue

Summer 2010

Commissioner Janette Sadik-Khan  New York City Department of Transportation
Presented May 18, 2010 to Community Board 2
New York City Cyclist Counts at Selected Commuter Locations
Weekday, 7AM to 7PM, 1980-2009

- 200 miles of bike routes installed (2006-2009)
- 79% increase in commuter cycling (2006-2009)
- CD 2 Bike to Work Share Increase: 0.87% to 1.78% (2000-2008)
Project Background

- Current popular route for cyclists
- CB 2 requested DOT proposal for enhanced bicycle facilities
- Successful existing bicycle lanes on Vanderbilt Avenue
- Opportunities to increase road safety

Existing Volumes on Vanderbilt Avenue

<table>
<thead>
<tr>
<th>Bicycles</th>
<th>12-hour period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1,004</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Motor Vehicles</th>
<th>AM Peak Hour</th>
<th>PM Peak Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1,603</td>
<td>1,452</td>
</tr>
</tbody>
</table>

Source: ATI Data, Vehicles btw. Atlantic Ave-Pacific St., January 2010; Bicycles @ Bergen St, November 2009
Existing Conditions - Vanderbilt Ave

Facing South towards Myrtle Ave.

Facing South Btw. Pacific St. and Atlantic Ave.
Proposed Configuration – Overview

- Flushing Ave to Gates Ave
- Gates Ave to Atlantic Ave
- Pacific St to Dean St
- Atlantic Ave to Pacific St
- Gates Ave to Atlantic Ave
Proposed Configuration – Flushing Ave to Gates Ave

- Shared Lane Markings
- Parking Lane Line
Proposed Configuration – Flushing Ave to Gates Ave

**EXISTING**

- 21' Combined Parking/Moving Lane
- 21' Combined Parking/Moving Lane
- 42' Total Width

**PROPOSED**

- Install Parking Lane Lines
- Shared Lane Markings
- 8' Parking Lane
- 13' Parking Lane
- Skip Center Yellow Line
- Retains Existing Travel and Parking Lanes
Proposed Configuration – Gates Ave to Pacific St

- Curbside Bicycle Lane
- Left-Turn Only Bays
  - NB: Atlantic Ave, Fulton St
  - SB: Fulton St
Proposed Configuration – Gates Ave to Atlantic Ave

**EXISTING**

- 10' Moving Lane
- 11' Moving Lane
- 11' Moving Lane
- 10' Moving Lane

West Sidewalk

42'

East Sidewalk

**PROPOSED**

- Dedicated Curbside Bicycle Lanes

West Sidewalk

6'

10' Moving Lane

10' Left Turn Bay/Moving Lane

10' Moving Lane

6'

East Sidewalk

2 Moving Lanes Retained for Majority of Segment

Dedicated Left-Turn Lanes at Intersections of Fulton St
Proposed Configuration – Atlantic Ave Intersection (NB)

**EXISTING**

- West Sidewalk
  - 10’ Bus Stop
  - 11’ Moving Lane
  - 10’ Moving Lane
  - 10’ Moving Lane
  - 11’ Moving Lane
  - 10’ Right-Turn Only Lane

**PROPOSED**

- West Sidewalk
  - 6’ Moving Lane
  - 10’ Moving Lane
  - 10’ Moving Lane
  - 10’ Left-Turn Only Lane
  - 10’ Moving Lane
  - 10’ Right-Turn Only Lane
  - 5’ Moving Lane

- East Sidewalk

**Annotations**

- Dedicated Bicycle Lanes
- Increased Safety by Organizing Street
- SB Traffic Channeled Through Intersection
- Dedicated NB Left-Turn Lane at Atlantic Ave
Proposed Configuration – Pacific St to Dean St

- Dedicated Bicycle Lanes
- Left-Turn Only Bay at Dean St
- Transition the existing design
Proposed Configuration – Pacific St to Dean St

**EXISTING**

Dedicated Bicycle Lanes

- 20’ Combined Parking/Moving Lane
- 11’ Moving Lane
- 11’ Moving Lane
- 20’ Combined Parking/Moving Lane

Provide Connection to Existing Facilities

**PROPOSED**

Dedicated Bicycle Lanes

- 9’ Parking Lane
- 5’ Moving Lane
- 11’ Moving Lane
- 10’ Left Turn Bay/Moving Lane
- 11’ Moving Lane
- 5’ Parking Lane

Dedicated Left-Turn Lane at Intersection of Dean Street
Project Summary

- Provides Space for All Users
- Develops Bicycle Network
- Calms Vehicular Traffic
- Maintains Vehicle Mobility
- Improves Access, Circulation and Safety
Questions?

Thank You