Lafayette Avenue Bicycle Route and Traffic Calming
Fulton Street to Classon Avenue

Commissioner Janette Sadik-Khan  New York City Department of Transportation
Presented to Community Board 2  June 19, 2012
CB 2 requested a study of an extension of the existing Lafayette Ave bicycle lane from Fulton St to Carlton Ave
- Important connections from Downtown Brooklyn to neighborhoods to the east
- Heavy bus ridership: B38 is 23rd busiest line in city
- New bus bulb @ S. Portland Ave prevents lane removal
## Crash Data and Speeding Issues

### Lafayette Avenue Crash History
Fulton Street - Classon Avenue (2006-2010)

<table>
<thead>
<tr>
<th>Type of Injury</th>
<th>Total Injuries</th>
<th>Average Injury/Year</th>
<th>Average Injury/Mile/Year</th>
<th>Serious Injury/Mile/Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>22</td>
<td>4.4</td>
<td>5.1</td>
<td>0.3</td>
</tr>
<tr>
<td>Bicyclist</td>
<td>14</td>
<td>2.8</td>
<td>3.2</td>
<td>0.2</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>174</td>
<td>34.8</td>
<td>40.4</td>
<td>0.9</td>
</tr>
<tr>
<td>Total Injuries</td>
<td>210</td>
<td>42</td>
<td>48.8</td>
<td>0.8</td>
</tr>
</tbody>
</table>

Source: NYS DMV, 2005-2010

- Over 1 in 3 vehicles exceed 30 mph speed limit (2010)
  - 39% of vehicles speed
- Major factor in pedestrian injuries is speeding
Existing Conditions

- 769 vehicles per hour during peak; lane removal not an option
- 489 cyclists per day on weekday; 769 per day on weekend with no bicycle facilities
- Traffic signals timed to 25 mph
Existing Conditions - Lafayette Ave

Facing west btw. Washington Ave. and St. James Pl.

Facing west btw. Cumberland Ave. and Carlton Ave.
Proposal reduces signal timing from 25mph to 20mph
- Maintains existing vehicle throughput
- More pedestrian friendly
- Reduces speed differential between motor vehicles and cyclists in shared lane
Project Summary

- Provides bicycle access and organizes traffic
- Installs shared lane
- Re-times traffic signals to 20 mph
- Calms vehicular traffic
- Maintains vehicle mobility
- Improves safety for all roadway users
Proposed Configuration - Fulton St to Classon Ave

EXISTING

19.5’ Shared Moving and Parking Lanes

19.5’ Shared Moving and Parking Lanes

39’

PROPOSED

9’ Parking Lane

11’ Moving Lane

10’ Shared Moving Lane

9’ Parking Lane

39’

EXHANCED SHARED LANE

INCREASED SAFETY BY ORGANIZING STREET

INSTALL PARKING LANE LINES
Proposed Configuration

Example of Proposed Design
1st Avenue, Manhattan
Questions?

Thank You