Hylan Boulevard
Street Improvement Project

Presentation to Staten Island Community Board 3
June 8th, 2022
Hylan Blvd
Satterlee St to Page Ave

Project Overview

- Make a 4 to 3 conversion of Hylan Blvd between Satterlee St and Page Ave to improve safety
- Add bike lanes in both directions to link the bike network
- Update the westbound approach of Hylan Blvd at Page Ave
Hylan Blvd Needs Safety Improvements

How do we measure safety?

- The number of people killed or severely injured (K.S.I.) in crashes per mile of street
- Hylan Blvd, between Satterlee St and Page Ave, has:
  - 9 times the KSI per mile than Staten Island
  - 2½ times that of N.Y.C
Proven Method of Increasing Safety

4 to 3 Conversions Helps Safety For All Road Users

- Reduce the number of travel lanes from two lanes to one in each direction, which helps calm traffic
- Add dedicated left-turn bays for safer left-turns

<table>
<thead>
<tr>
<th>Example Projects</th>
<th>Change in Crashes with Injuries (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>West 6th Street, BK</td>
<td>-24%</td>
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<tr>
<td>Empire Boulevard, BK</td>
<td>-15%</td>
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<tr>
<td>Allerton Avenue, BX</td>
<td>-28%</td>
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<tr>
<td>Gerritsen Avenue, BK</td>
<td>-40%</td>
</tr>
<tr>
<td>Southern Boulevard, BK</td>
<td>-20%</td>
</tr>
<tr>
<td>Randall Avenue, BX</td>
<td>-22%</td>
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<tr>
<td>Macombs Road, BX</td>
<td>-44%</td>
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Existing Bike Network

- **Greenways**
  - Conference House Park
  - Mount Loretto Greenway

- **On-Street Bike Lanes**
  - Hylan Blvd, Page Ave to Poillon Ave

- **Gap in Network**
  - Hylan Blvd, from Satterlee St to Page Ave – 1 mile

- **Ridership**
  - 242 bicycles on a typical weekend day
Street Survey

NYC DOT is currently surveying greenway users

- 79% are residents of the area
- 12% ride a bike to get around
- 53% say bike lanes, protected lanes, road safety improvements, and safety awareness would encourage them to ride more
- 45% of cyclists ride a bike on Hylan Boulevard
Cyclists More Likely To Be Injured

Volume to injuries is not proportional

- Bicycles make up only 1% of the bicycle and vehicle traffic
  - 14hr-midweek bicycle and vehicle counts
- Bicycles represent 12% of the bicycle and vehicle injuries
  - Injuries between 2016-2020
Cyclists Safety Can Be Improved

Conventional Bike Lanes

- Where studied, adding bike lanes reduced risk of cyclist injury by:
  - 32% for all street types
  - 42% on low-volume streets
  - 26% on mid-volume streets
Planned Changes

Hylan Blvd
Satterlee St to Page Ave

- Remove one travel lane in each direction
- Add flush median with left-turn bays
- Add conventional bike lanes in both directions
- Minimum impacts to parking and traffic
Planned Changes

Hylan Blvd at Page Ave
East-leg of Intersection

• Convert one travel lane into a right turn-bay and one into a thru-only

• Add floating southbound bike lane between turn and thru lanes

• 5 parking spaces removed from northwest corner to help with bus merge
Summary

- Road Diet organizes traffic more efficiently, helping safety on the road
- Cyclists given dedicated bike lanes from Conference House Park to Annadale, with connections to greenways along route
- Minimal impacts to parking and travel times
- DOT will monitor conditions after installation
Thank You!

Questions?