WILLIAMSBURG BIKE NETWORK

Proposed New Connections

Presented to Community Board 1 – August 14, 2018
Overview

WILLIAMSBURG BIKE NETWORK GAPS

Limited east-west routes in western Williamsburg to connect to greenway, waterfront, ferry

Gap from Grand St and Scholes St/Meserole St to Bushwick Bike Network

Brooklyn Waterfront Greenway

Bushwick Inlet Park and East River Park

Ferry Terminal

To Pulaski Bridge
PROPOSED PROJECTS

Union Ave and Waterfront Connections
Provide bike connection across BQE
Add east-west bike routes connecting to waterfront destinations

Grand St to Bushwick Bike Network Connection
Connect Grand St bike lanes and recently installed Scholes St and Meserole St bike lanes to growing Bushwick Bike Network
Key connection in street grid
1. Union Ave and Waterfront Connections

**UNION AVE**

- Add bike lanes south of Meeker Ave/BQE using existing space in roadway
- Add shared lane markings north of Meeker Ave where roadway is narrower
- Add northbound shared lane from N 11th St to N 12th St where roadway is one-way
- No changes to vehicular capacity, no parking loss

**N 11th St to Meeker Ave**

**Existing**

<table>
<thead>
<tr>
<th>West Sidewalk</th>
<th>East Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>9' Parking Lane</td>
<td>9' Parking Lane</td>
</tr>
<tr>
<td>11' Travel Lane</td>
<td>11' Travel Lane</td>
</tr>
<tr>
<td>11' Travel Lane</td>
<td>9' Parking Lane</td>
</tr>
</tbody>
</table>

**Proposed**

<table>
<thead>
<tr>
<th>West Sidewalk</th>
<th>East Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>8' Parking Lane</td>
<td>8' Parking Lane</td>
</tr>
<tr>
<td>12' Shared Lane</td>
<td>12' Shared Lane</td>
</tr>
<tr>
<td>12' Shared Lane</td>
<td>12' Shared Lane</td>
</tr>
</tbody>
</table>

**Meeker Ave to Broadway**

**Existing**

<table>
<thead>
<tr>
<th>West Sidewalk</th>
<th>East Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>14' Parking Lane</td>
<td>14' Parking Lane</td>
</tr>
<tr>
<td>11' Travel Lane</td>
<td>11' Travel Lane</td>
</tr>
<tr>
<td>11' Travel Lane</td>
<td>11' Travel Lane</td>
</tr>
<tr>
<td>14' Parking Lane</td>
<td>14' Parking Lane</td>
</tr>
</tbody>
</table>

**Proposed**

<table>
<thead>
<tr>
<th>West Sidewalk</th>
<th>East Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>9' Parking Lane</td>
<td>9' Parking Lane</td>
</tr>
<tr>
<td>5' Travel Lane</td>
<td>5' Travel Lane</td>
</tr>
<tr>
<td>11' Travel Lane</td>
<td>11' Travel Lane</td>
</tr>
<tr>
<td>5' Parking Lane</td>
<td>5' Parking Lane</td>
</tr>
</tbody>
</table>
1. Union Ave and Waterfront Connections

**METROPOLITAN AVE**

- **Westbound Connection:** Add shared lanes from Union Ave to N 6th St
- **Eastbound Connection:** Add bike lane on Havemeyer St from N 5th St to Metropolitan Ave, curbside lane from Havemeyer St to Meeker Ave, shared lanes from Meeker Ave to Union Ave
- No change to vehicular capacity, no parking loss
1. Union Ave and Waterfront Connections

**NORTH 5th ST / 6th ST, NORTH 11th ST / 12th ST**

- **North 5th St**: Add bike lane from Kent Ave to Havemeyer St
  Add shared lane from Ferry Terminal to Kent Ave
- **North 6th St**: Add bike lane from Meeker Ave to Kent Ave
  Add shared lane from Ferry Terminal to Kent Ave
- **North 11th St/12th St**: Add bike lane from Union Ave to Kent Ave
- **No change to vehicular capacity, no parking loss**
MORGAN AVE – GRAND ST TO JOHNSON ST

- Install curbside buffered bike lanes in both directions (existing no parking regulations)
- No change to vehicular capacity, no parking loss

High Volume of Cyclists
Weekday: 684 Weekend: 545 (June 2018 – 12 hr period)

5 Cyclist Severe Injuries 2012 - 2016
2. Grand St to Bushwick Network Connection

**SOUTHBOUND CONNECTION TO IRVING AVE**

- Install southbound bike lane on Morgan Ave to Harrison Pl
- Install southbound shared lane on Morgan Ave to Grattan St
- Install eastbound bike lane on Grattan St
- Install eastbound shared lane on Varick Ave to Irving Ave
- No change to vehicular capacity, no parking loss

**Morgan Ave: Johnson Ave and Harrison Pl**

- **Existing**
  - West Sidewalk
  - 34' Travel + Parking Lane
  - East Sidewalk
- **Proposed**
  - West Sidewalk
  - 8' Parking Lane
  - 5' Travel Lane
  - 11' Travel Lane
  - 10' Parking Lane
  - East Sidewalk

**Morgan Ave: Harrison Pl and Grattan St**

- **Existing**
  - West Sidewalk
  - 17' Travel + Parking Lane
  - 17' Travel + Parking Lane
  - East Sidewalk
- **Proposed**
  - West Sidewalk
  - 17' Travel + Parking Lane
  - East Sidewalk

**Varick Ave: Grattan St and Thames St**

- **Existing**
  - 30' Combined Travel / Parking Lane
- **Proposed**
  - 17' Combined Travel / Parking Lane
  - 8' Parking Lane

**Grattan St: Morgan Ave and Varick Ave**

- **Existing**
  - 30' Combined Travel / Parking Lane
- **Proposed**
  - 17' Combined Travel / Parking Lane
  - 8' Parking Lane
2. Grand St to Bushwick Network Connection

NORTHBOUND CONNECTION ON KNICKERBOCKER AVE

- Install parking protected bike lane on west curb
- Narrower roadway discourages speeding
- Requires loss of 7 parking spaces for safety/visibility

Flushing Ave to Johnson Ave

**Existing**

<table>
<thead>
<tr>
<th>East Sidewalk</th>
<th>46’ Combined Travel / Parking Lane</th>
<th>West Sidewalk</th>
</tr>
</thead>
</table>

**Proposed**

<table>
<thead>
<tr>
<th>East Sidewalk</th>
<th>6’ Buffer</th>
<th>10’ Parking Lane</th>
<th>11’ Travel Lane</th>
<th>14’ Parking Lane</th>
<th>West Sidewalk</th>
</tr>
</thead>
</table>

Knickerbocker Ave at Grattan Ave, looking South
Summary

FACILITY TYPE MAP

- Bushwick Inlet Park and East River Park
- Ferry Terminal
- Brooklyn Waterfront Greenway
- To Pulaski Bridge

LEGEND

- Existing Bicycle Facilities
  - Protected Bicycle Path
  - Bicycle Lane
  - Shared Lane
  - Signed Route
Questions?

THANK YOU!