March 2011 DOT proposed traffic flow changes on Greenpoint Ave as part of bridge component rehabilitation, which included:
- buffered curbside bike lanes
- implementation was delayed due to construction and utility work

Existing Greenpoint Ave markings are faded

DOT has received numerous complaints over the years about the faded markings

Community Board requested evaluation to improve traffic flow

Congestion between McGuinness Blvd to Kingsland Ave partially due to left-turning vehicles

Left turning traffic forces westbound traffic into bike lane
March 2011: CB1 Transportation Committee Meeting

- Reviewed community comments and recommended changes to existing Greenpoint Avenue
- Proposed changes on bridge – on hold until Greenpoint Avenue changes made

May 2011: Business & community outreach workshop

- Met with businesses/community to obtain additional comments and understanding of issues with the existing design on Greenpoint Avenue
- Conducted walk-through of the corridor to discuss issues
January 2015: Business outreach

- Met with businesses to discuss proposed changes on Greenpoint Ave and hear concerns

March 2015: Business outreach

- Met with businesses to review updated design on Greenpoint Ave
Greenpoint Avenue

- Southbound left turns block traffic
  - Monitor St
  - N. Henry St
  - Humboldt St

- Sudden merge from two to one travel lane off of bridge
- Underutilized parking between Humboldt Street and Kingsland Ave
- High volume of vehicles traveling in bike lane
Existing Conditions – Typical Street Design

**Greenpoint Avenue**
**McGuinness Blvd to Kingsland Ave**

- 50ft roadway
- One travel lane in each direction (11ft)
- Bike lanes adjacent to parking (5ft)
- Underutilized curbside parking lanes

*Mid-Day Peak Hour Westbound to Southbound Turn Movements*

<table>
<thead>
<tr>
<th>Intersection</th>
<th>Turn Volume</th>
<th>% of WB Traffic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monitor Street</td>
<td>409</td>
<td>32%</td>
</tr>
<tr>
<td>N Henry Street</td>
<td>88</td>
<td>18%</td>
</tr>
<tr>
<td>Humboldt Street</td>
<td>166</td>
<td>23%</td>
</tr>
</tbody>
</table>

*Weekday mid-day peak hour taken 4/4/11 from 12:30pm to 1:30pm*
Existing Conditions - Parking Study

Greenpoint Ave looking east at N. Henry St

Parking Utilization Study: 2010 - 2015
Kingsland Ave to Humboldt St

<table>
<thead>
<tr>
<th>Side of Street</th>
<th>Average Vehicles Parking</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>0</td>
</tr>
<tr>
<td>South</td>
<td>12</td>
</tr>
</tbody>
</table>

One vehicle in five site visits was observed parked on the north side resulting in 0.2 but was rounded down to zero

Underutilized Parking
**Parking Study: 2010 - 2015**
Kingsland Ave to Humboldt St

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</table>

Proposed Design

Greenpoint Avenue
Kingsland Ave to Humboldt St

- Two westbound travel lanes (11ft)
- One eastbound travel lane (11ft)
- Curbside buffered bike lanes (6ft) bike lane + (2.5ft) buffer
Proposed Design

Greenpoint Avenue
Kingsland Ave to Humboldt St

Existing

- North Sidewalk
- 9’ Parking Lane
- 5’ Travel Lane
- 11’ Travel Lane
- 5’ Parking Lane
- South Sidewalk

Proposed

- North Sidewalk
- 6’ Buffer
- 11’ Travel Lane
- 11’ Travel/ Turn Lane
- 11’ Travel Lane
- 6’ Buffer
- South Sidewalk
Proposed Design

Greenpoint Avenue
At Kingsland Ave and Greenpoint Ave Bridge Approach

Existing

- North Sidewalk
- 14’ Bus Stop Shared Lane
- 12’ Travel Lane
- 5’ Median
- 12’ Travel Lane
- 5’ Parking Lane
- South Sidewalk

56’

Proposed

- North Sidewalk
- 10’ Bus Stop Shared Lane
- 11’ Travel Lane
- 11’ Travel Lane
- 11’ Travel Lane
- 12’ Shared Lane
- South Sidewalk

56’
### Parking Utilization Study: 2010 - 2015
Humboldt St to Provost St

<table>
<thead>
<tr>
<th>Side of Street</th>
<th>Average Vehicles Parked</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>19</td>
</tr>
<tr>
<td>South</td>
<td>10</td>
</tr>
</tbody>
</table>

Parking Study: 2010 - 2015
Provost St to Humboldt St

<table>
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<tr>
<th>Side of Street</th>
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<td>North</td>
<td>19</td>
</tr>
<tr>
<td>South</td>
<td>10</td>
</tr>
</tbody>
</table>

**Proposed Design**

**Greenpoint Avenue: Humboldt St to Provost St**

- Two westbound travel lanes (10.5ft)
- Westbound curbside bike lane (5ft)
- Eastbound bike lane (5ft)
- South side parking lane (8ft)

Proposed Design

Greenpoint Avenue
Humboldt St to Provost St

Existing

North Sidewalk
9’ Parking Lane
5’ Travel Lane
11’ Travel Lane
11’ Travel Lane
5’ Parking Lane
South Sidewalk

Proposed

North Sidewalk
5’ Travel Lane
10.5’ Travel Lane
10.5’ Travel/Turn Lane
11’ Travel Lane
5’ Parking Lane
8’ Parking Lane
South Sidewalk
N Henry St One-Way Conversion

Underutilized Parking
Monitor Street - Side Street Parking

Underutilized Parking

11/12/2014

03/27/2012
Side Street Parking Regulations

No Standing Anytime

Russell St

Monitor St

2/26/2015

2/12/2015

Average Vehicles Parked

Fire Hydrants
Existing Conditions
McGuinness Boulevard

- Frequent traffic backups past Provost St
- One travel lane approaching McGuinness Blvd
Existing Conditions

**McGuinness Blvd:**
Intersection of Greenpoint Ave and McGuinness Blvd

- One travel lane approaching McGuinness
- Bike lanes adjacent to parking
- Curbside parking

<table>
<thead>
<tr>
<th><em>Mid-Day Peak Hour Westbound to Southbound Turn Movements</em></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Intersection</strong></td>
</tr>
<tr>
<td>McGuinness Boulevard</td>
</tr>
</tbody>
</table>

*Weekday PM peak hour average taken 5/14/2014 & 5/15/2014 from 5pm to 6pm*
Proposed Design

McGuiness Blvd: Intersection of Greenpoint Ave and McGuinness Blvd

- Two travel lanes approaching McGuinness Blvd
- Protected west bound left turn phase
- Shared lane markings
- Mid-block part-time loading zone
Overview

- **Greenpoint Avenue (Kingsland Ave to Provost St)**
  - Two travel lanes for westbound traffic
  - Repurpose parking lane for travel lane
  - Curbside bike lanes
  - Eliminate unorganized merge at Kingsland intersection

- **McGuinness Blvd Intersection**
  - Two travel lanes approaching McGuinness Blvd on Greenpoint Ave
  - Lane assignment markings
  - Protected west bound left turn phase
  - Shared lane bike markings in each direction on Greenpoint Ave (Provost St to McGuinness Blvd)
Questions?

Thank You