Project Background and Limits

- NYC Bicycle Master Plan Route
- Complaints from local stakeholders about the discontinuous bike lane
- Severity of weighted injuries rank very high at Van Dam Street
  - 99th percentile of Queens Intersections
Existing Conditions and Project Area

- Complex Intersection
- Existing Bike Lanes End
- Limited Visibility Over Bridge
Existing Conditions

- Multi-leg Complex Intersection
- Lane Assignments Unclear
- Difficult to Navigate for Pedestrians and Cyclists

- Existing Greenpoint Avenue Bike Lanes End at Kingsland Avenue
- No Connection Over Newtown Creek
Complex Queens Intersection
Proposed Intersection Design

**Proposed Improvements**

- Organize confusing intersection and bridge approach
- Install bike lanes leading onto and coming off of bridge
- Install new pedestrian signal at crossing foot of the bridge on the Queens side
- New hi-visibility cross-walks
- Update standard cross-walks to hi-visibility cross-walks throughout intersection
- Possible signal timing change to process vehicles
Proposed Bridge Roadway Design

- Reduce the number of lanes in the middle of the bridge
- Install buffered bike lanes in both directions over bridge
- Create turning lanes on each side of bridge
Brooklyn Intersection
Project Summary

• Safety improvements for all users at complex multi-leg Queens Intersection
  • Update markings
  • Pedestrian signal/cross-walks
  • Bike Lanes
  • Turning lanes on each side of bridge
  • Possible signal timing changes

• Provide safe connection from existing Greenpoint Avenue bike lanes between Brooklyn and Queens
  • Buffered bike lanes over bridge