86th Street

Corridor Safety Improvements
3rd Avenue to Shore Rd

Brooklyn Community Board 10
September 2017
PROJECT LOCATION

- Project limits: 3rd Avenue to Shore Road (0.5 mile)
- Residential corridor between Bay Ridge and the waterfront
- Many schools in the neighborhood
SAFETY DATA: 2010 - 2014

- 42 injuries on this portion of the corridor
- High crash corridor averaging 5.6 persons severely injured per mile
- Vision Zero Priority Corridor
EXISTING CONDITIONS

- Two travel lanes in each direction with curbside parking
- 60 foot wide road
- B16 bus runs on 86th Street
EXISTING CONDITIONS

• History of community requests for traffic calming and to reduce speeding along the corridor

• Excess roadway and low volumes result in open road conducive to speeding (Maximum midday recorded speed of 45 MPH through residential neighborhood)

• Low traffic volumes
  • Peak AM Volume (Vehicles per hour): Eastbound: 394, Westbound: 385
  • Peak PM Volume (Vehicles per hour): Eastbound: 259, Westbound: 200
CORRIDOR PROPOSAL DETAILS

Existing

Proposed

20’ combined parking/travel lane
10’ travel lane
10’ travel lane
20’ combined parking/travel lane

60’

9’ parking lane
5’ bike lane
11’ travel lane
10’ Buffer/turn lane
11’ travel lane
5’ bike lane
9’ parking lane

60’
EVALUATION OF LANE REMOVAL

**Congested Lane**
- 700 vehicles per hour or above

**Existing (2 lanes)**
- Maximum* 197 vehicles per lane

**Proposal (1 lane + left turn bays)**
- Maximum 394 vehicles per lane

*Maximum Recorded Peak Volume (AM & PM) at 86th St and 3rd Ave
BIKE CONNECTION

Bike lanes on 86th St will improve neighborhood connectivity between:

- Shore Parkway Greenway
- NYC Ferry terminal at American Veterans Memorial Pier
- Existing routes on Shore Rd and Colonial Rd
CORRIDOR PROPOSAL DETAILS

Definition of terms:
- Defined parking lane
- Center median & turn bay
- Standard width travel lanes
- 5' bike lane

Example of a similar treatment: Amsterdam Ave, Manhattan
SAFETY IMPROVEMENTS

Previous Projects

• Similar projects installed throughout the city have resulted in decreases in injuries and crashes as well as reductions in speeding

• 7th Ave, BK
  • 17% reduction in total injuries

• Empire Blvd, BK
  • 27% reduction in total injuries

• 44th Dr, QN
  • 80% reduction of vehicles speeding along the corridor

• Burke Ave, BX
  • 47% reduction in total injuries

Similar projects in Brooklyn on 7th Ave (above) and in Queens on 44th Dr (below) improved safety along the corridors
BENEFITS OF PROPOSAL

- Responds to community’s request to traffic calming
- Reduces speeding and calms traffic on 86th Street
- Enhances safety on a Vision Zero Priority Corridor by organizing roadway and providing defined spaces for vehicles and bicycles
- Creates an important connection in the Brooklyn bike network
THANK YOU!

Questions?