Seaview Avenue Safety Project

Presentation to Staten Island Community Board 2 June 3, 2024



Seaview Avenue Mason Ave to Fr Capodanno Blvd

Project Overview

- Calm traffic along the entire corridor by upgrading existing bicycle lanes to protected
- Add new traffic signal and crosswalk



Background

Site Visit

Project Origin

- Spring 2022: NYC DOT participated in walkthrough with Borough President's Office and Staten Island University Hospital administrators
- After observing conditions on the street, NYC DOT was asked to take measures to increase traffic safety for pedestrians crossing Seaview Av



Existing Conditions

Overhead View

- Two-travel lanes in each direction
- Left-turn Bays
- Bikes lanes in both directions
- Large median in the middle
- Parking lanes on both sides of the street



Low Traffic Volumes

Daily Traffic Volumes

- Streetlight Estimated Annual Average Daily Traffic during 2021
- Seaview has a fraction of the traffic of both Hylan Bl and Fr Capodanno Bl, but same number of travel lanes



Important Cycling Corridor

Cycling Trips

- Strava Metro bicycle and e-bike trips in 2023 show that Seaview Av is an important cycling route
- Likely to continue to grow in the future



Large Distances Between Signals

Traffic Signal Locations

- Only three traffic signals on Seaview Avenue between Mason Avenue and Father Capodanno Boulevard
- 5-10 minute walking distances between signals
- Pedestrians more likely to cross outside of crosswalks



Proposal

Decreasing KSI

How NYC Improves Traffic Safety

- Standard measurement of a street's safety is the number of people Killed or Severely Injured
- NYC uses street design features to reduce the KSI along corridors and at intersections

VISION ZERO Solution Solutio

Road Diet

Safety Tools

- **Road Diets:** Removal of travel lanes for more than 1,000 feet or more.
- Reduces KSI by:
 - 30% for all users
 - 32% pedestrians
 - 35% senior citizens



Turn Calming and Daylighting

Safety Tools

- **Turn Calming:** Markings, bollards and/or rubber speed bumps that slow and control turns
- **Daylighting:** Prevent parking around intersections, crosswalks, major driveways, and bus stops along corridor to improve visibility for motorists and safety for cyclists and pedestrians
- Reduces KSI by:
 - 16% for all users
 - 33% pedestrians
 - 60% senior citizens



Protected Bike Lanes

Safety Tools

- Protected Bike Lanes: Bike lanes protected by parking or some other physical barrier
- Reduces KSI by:
 - 18% for all users
 - 29% pedestrians
 - 39% senior citizens



Summary

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New Cross Section for Seaview Ave

Proposed Changes

- Road Diet: Remove an excess travel lane in each direction
- Protected Bike Lanes: Relocate bicycle lanes behind parking



Safer Pedestrian Crossings

Proposed Changes

 Add traffic signal and crosswalk at Hospital facilities





Summary of Changes

Implement road diet to reduce speeding

- Remove one travel lane in each direction
- Upgrade bicycle lanes to protected

Add Daylighting for motorist's visibility of pedestrians and cyclists

 Prevent parking around driveways, intersections, crosswalks, and bus stops

Add Signalized Pedestrian Crossing for safer pedestrian crossings

 Add traffic signal and pedestrian crossing at Nugent Avenue intersection

Thank You!

Questions?

