Seaview Avenue
Safety Project

Updated Presentation to
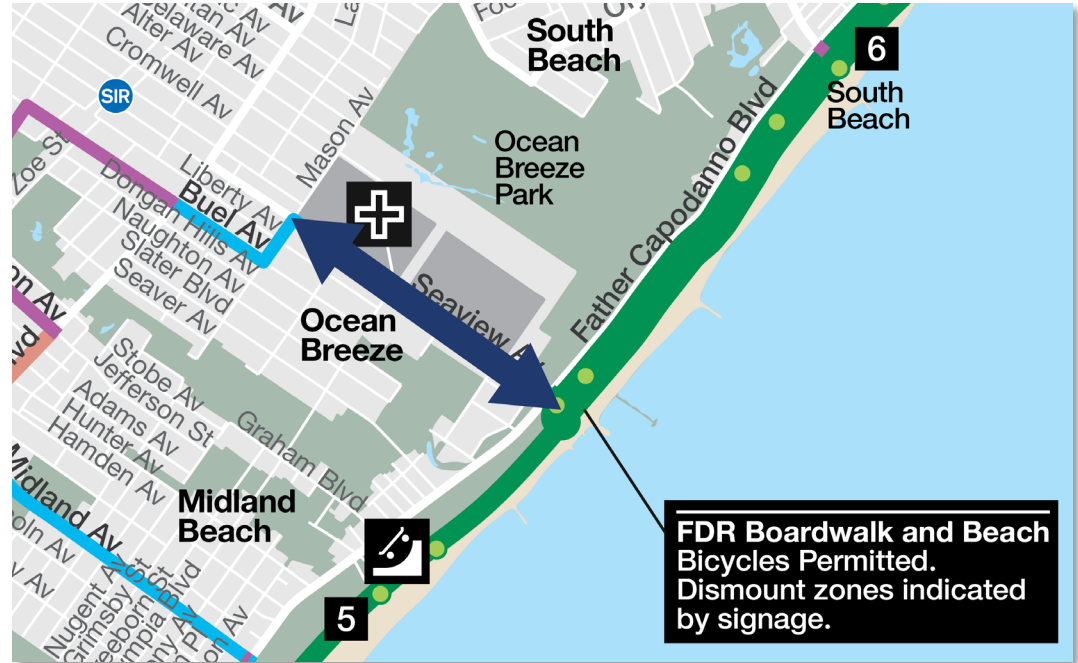## Staten Island Community Board 2

June 18, 2024

NEW YORK CITY
DOT

Seaview Avenue
Mason Avenue to Father Capodanno Boulevard

Project Overview

- Calm traffic along the entire corridor by upgrading existing bicycle lanes to protected

- Add new traffic signal and crosswalk

FDR Boardwalk and Beach
Bicycles Permitted.
Dismount zones indicated by signage.

Background

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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**

Seaview Av at Nugent St (Street Smart)

# 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
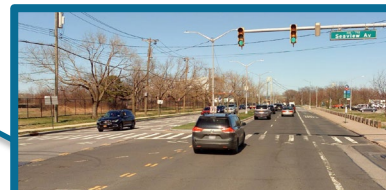
Daily Traffic Volumes

- 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
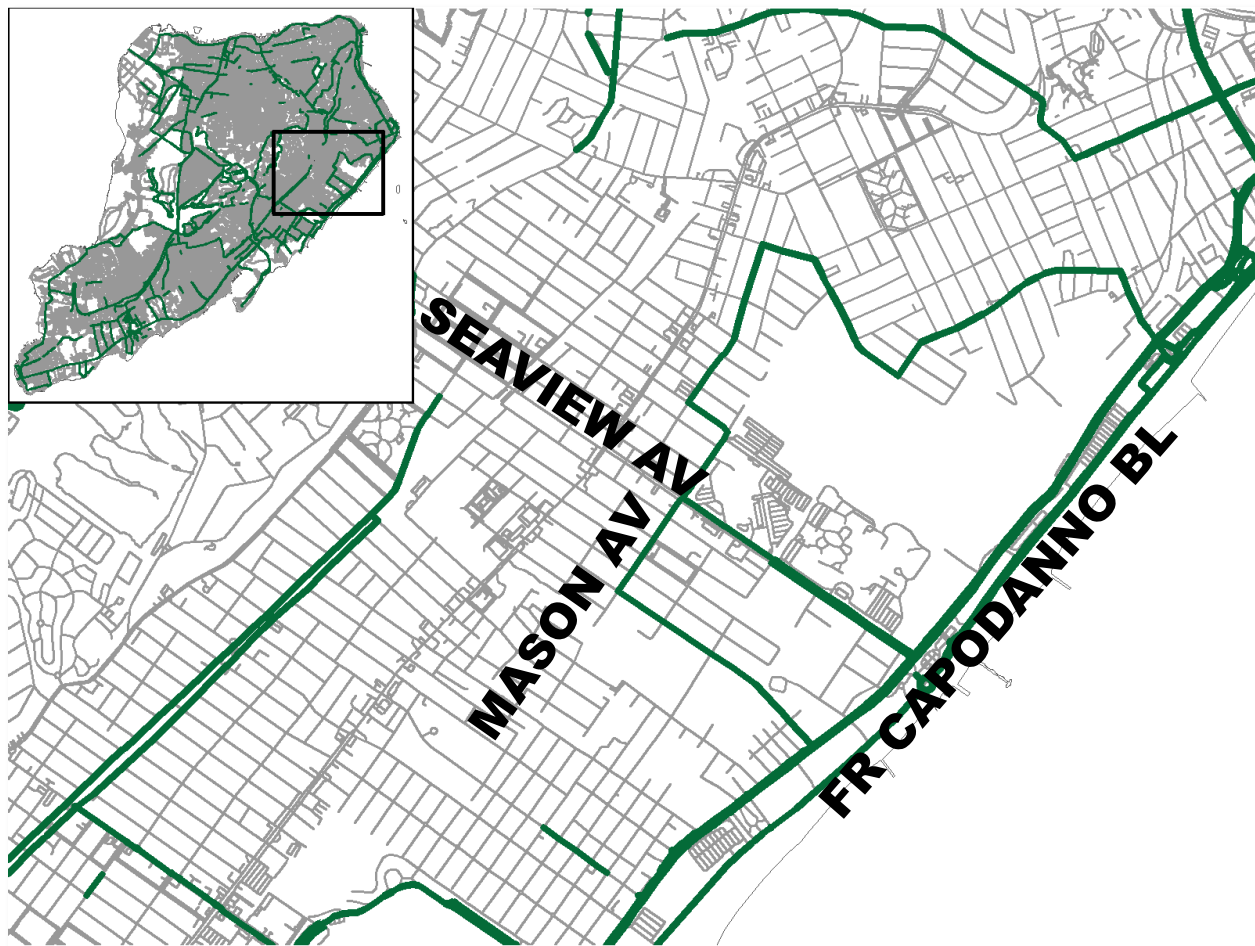

27,866

4,427

13,211

HYLAN BL

SEAVIEW AV

FR CAPODANNO BL
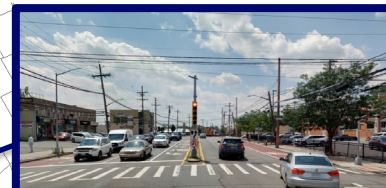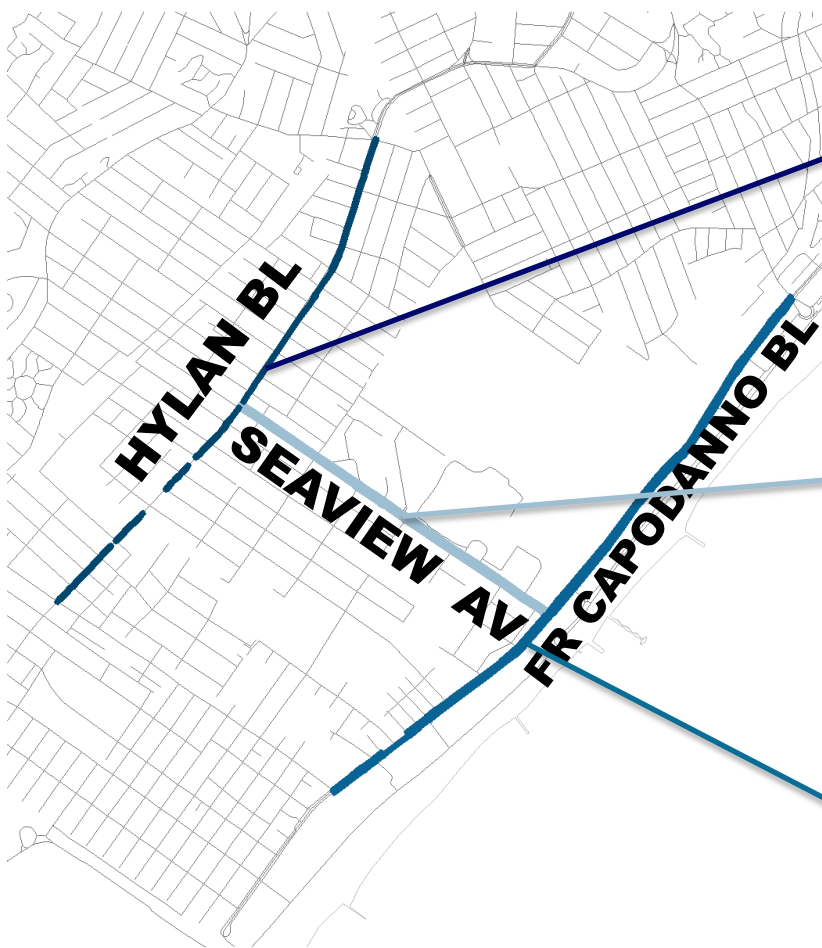
Important Cycling Corridor

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

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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

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

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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

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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
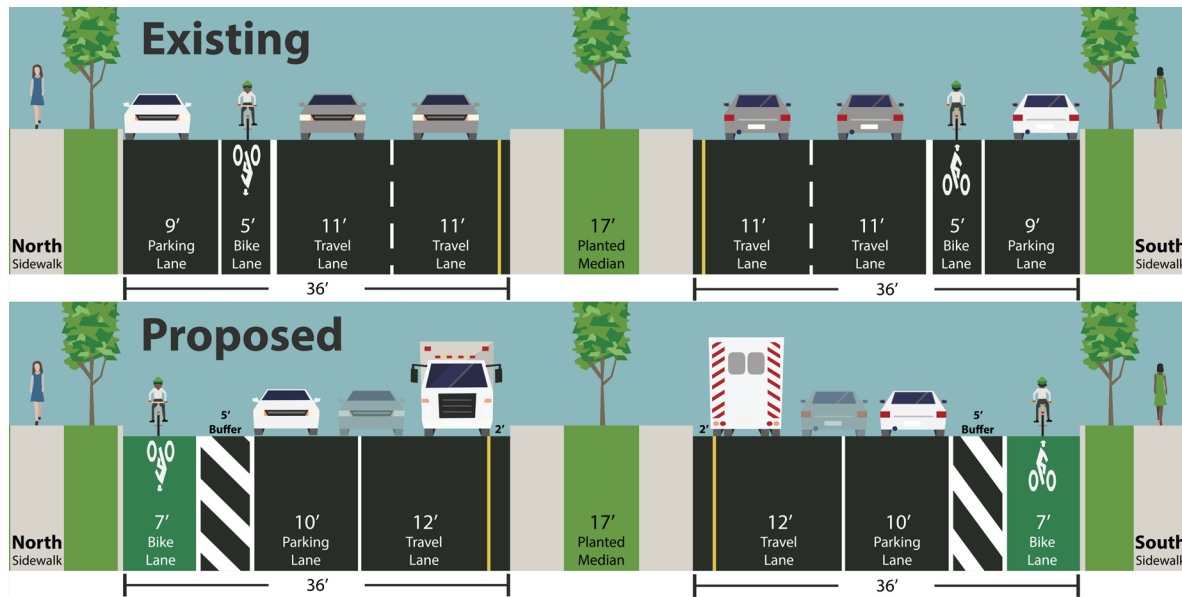
Safer Pedestrian Crossings

Proposed Changes

- Add traffic signal and crosswalk at Hospital facilities

Seaview Ave

Hospital

Medical Offices

Medical Offices

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

Presentation Updates

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Transportation Committee's Requests

- NYC DOT presented project to Staten Island Community Board 2's Transportation Committee on June 3rd, 2024

- The Committee requested NYC DOT provide:

    1. **Traffic safety data** (KSI number) for Seaview Avenue

    2. **Data sources** for the benefits of safety treatments described in the presentation

Traffic Safety Data for Seaview Avenue

Traffic Safety Report

NYPD crash reports indicates that Seaview Avenue from Mason Avenue to Father Capodanno Boulevard has more KSI than most Staten Island streets

Traffic Safety Data	
Time Frame:	2019-2023 (5 years)
Source:	NYPD
Length:	0.68 miles
KSI:	4.4 per mile
Rank:	Top 33% in Staten Island

Safety Treatment Evaluations

Safety Evaluations

- Safety benefits of treatments for **all users and pedestrians** based on Safety Treatment Evaluation (2005-2018) [NYC DOT – 2022]

- Benefits to **Seniors** based on Pedestrian Safety and Older New Yorkers [NYC DOT – 2022]

Thank You!

Questions?

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