



STATEN ISLAND FERRY TERMINAL BICYCLE AND PEDESTRIAN IMPROVEMENTS

Presentation to Staten Island Community Board 1

June 13th, 2017

Background





May 2017 walkthrough of ferry terminal

PROJECT TIMELINE

Spring 2016

Local cycling advocates request improvements to ferry terminal

June 2016

NYC DOT walks through facility with cycling advocates to identify issues

August 2016

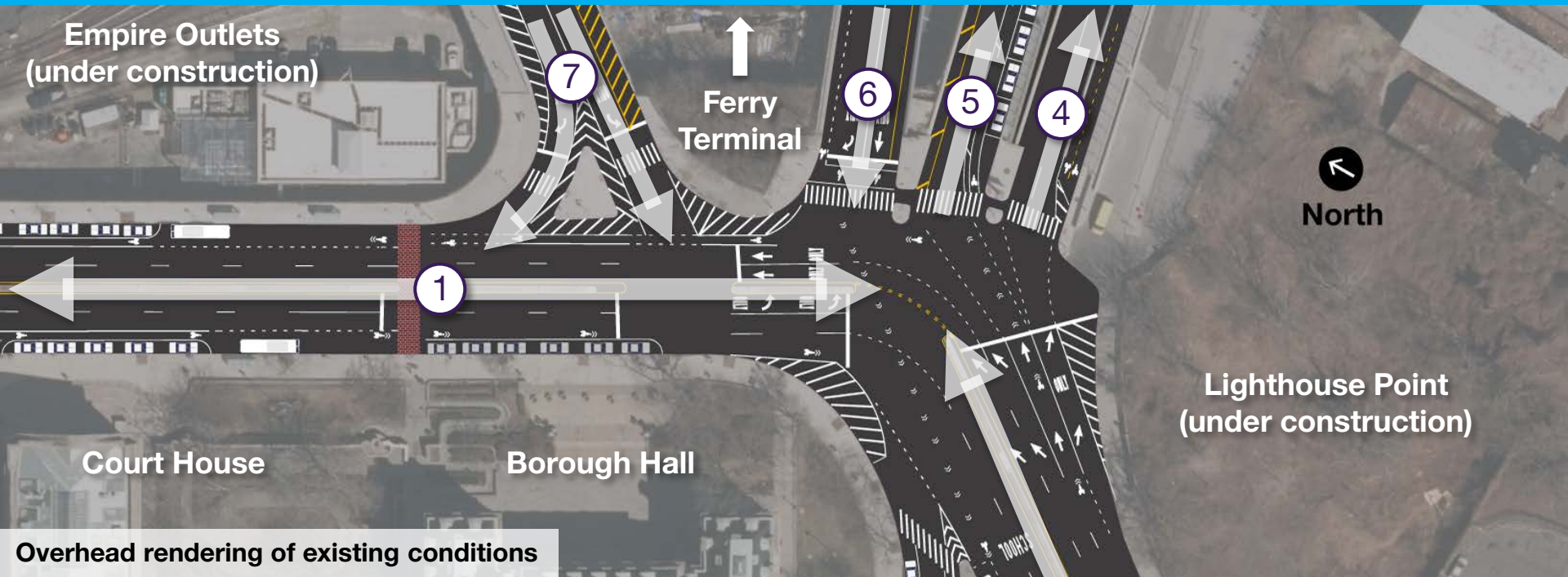
SI Ferry Quality of Life Task Force requests cycling and pedestrian improvements

April 2017

NYC DOT presents improvements to Community Board 1 Transportation Comm.

May 2017

Advocates, SICB 1, and NYC DOT conduct second walkthrough of ferry terminal



PROJECT LOCATION

LOCAL ROADS

- 1 Richmond Terr
- 2 Bay St
- 3 Stuyvesant Pl

TERMINAL RAMPS

- 4 Ramp B
- 5 Ramp C
- 6 Ramp D
- 7 Old Viaduct



Bicyclist leaving terminal via Ramp D (Kiss & Ride Exit)

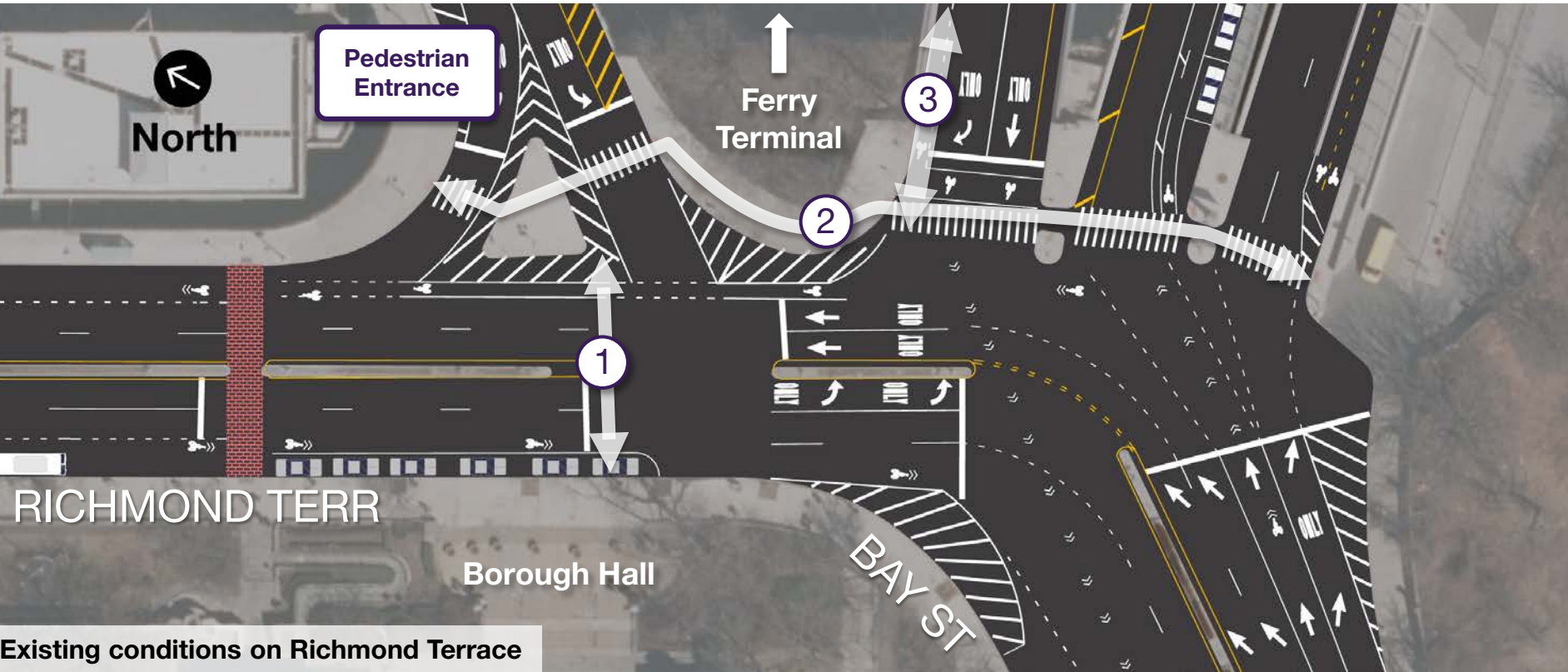
PROJECT GOALS

- Create safer access to terminal for bicyclists and pedestrians
- Improve bicycle parking and other amenities at ferry terminal
- Minimize impacts to other travel modes

Pedestrian Improvements

2

EXISTING ISSUES: Richmond Terrace, from Schuyler Street to Bay Street



Existing conditions on Richmond Terrace

1

Few Pedestrian Crossings

26% of pedestrians are crossing south of Old Viaduct (bus exit), outside of crosswalk

2

Long Crossing Distances

Pedestrians walking along east sidewalk of Richmond Terrace face long crossing distances through heavy turning traffic

3

Pedestrians Walking in Bicycle Lane

Pedestrians often walk on Ramp D bicycle lane between Richmond Terrace and the terminal's lower level



Pedestrians crossing Richmond Terrace from terminal

REQUESTED IMPROVEMENTS

Better Pedestrian Crossings along Richmond Terrace

- Lack of crosswalks for Bay Street-bound pedestrian traffic
- Long crossing distances through turning traffic at ramp entrances



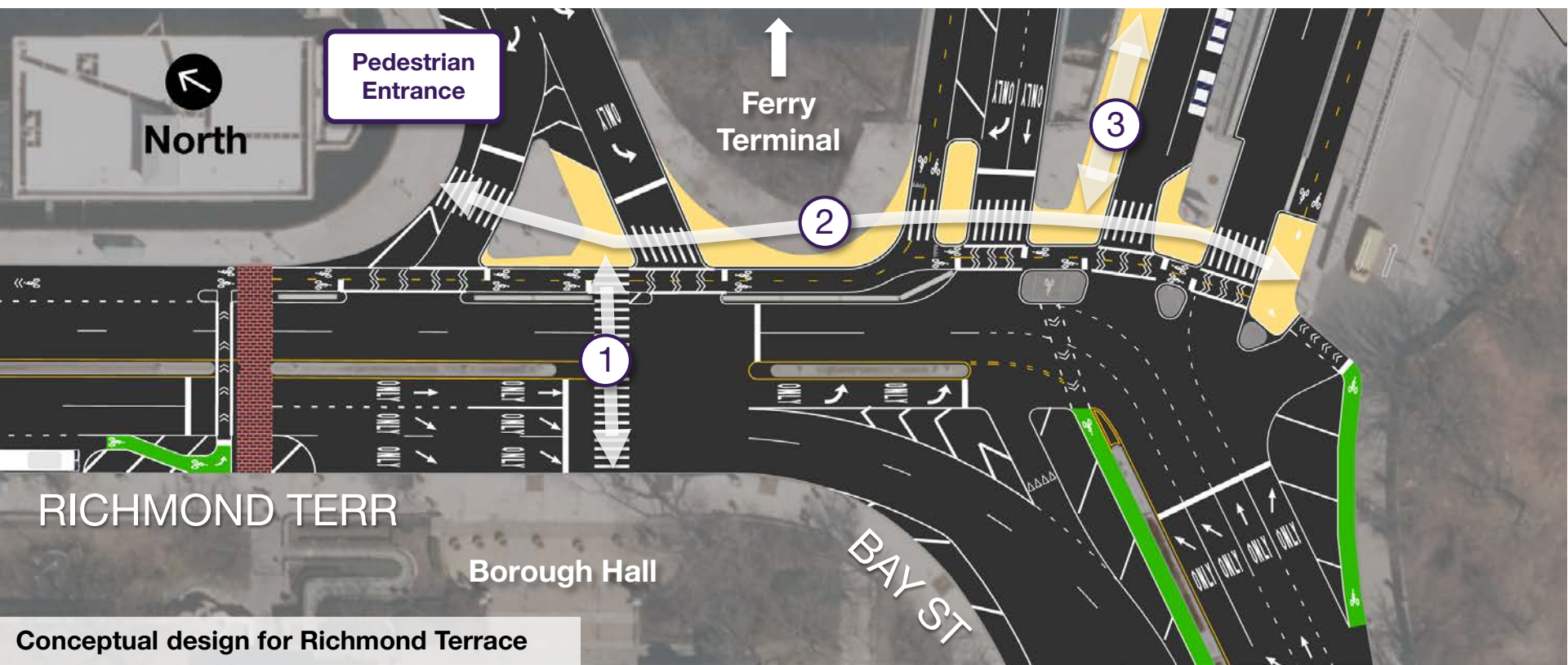
Bicyclists and pedestrians exiting terminal's lower-level via Ramp D

REQUESTED IMPROVEMENTS

Direct Route to Lower Level Boarding for Pedestrians

- Pedestrians use Ramp D bike lane to access terminal
- There is concern that lower level boarding will generate additional pedestrian usage of Ramp D, further blocking the bike lane

PROPOSED IMPROVEMENTS: Richmond Terrace, Schuyler Street to Bay Street



1 New Crosswalk
Improves pedestrian access from Bay Street

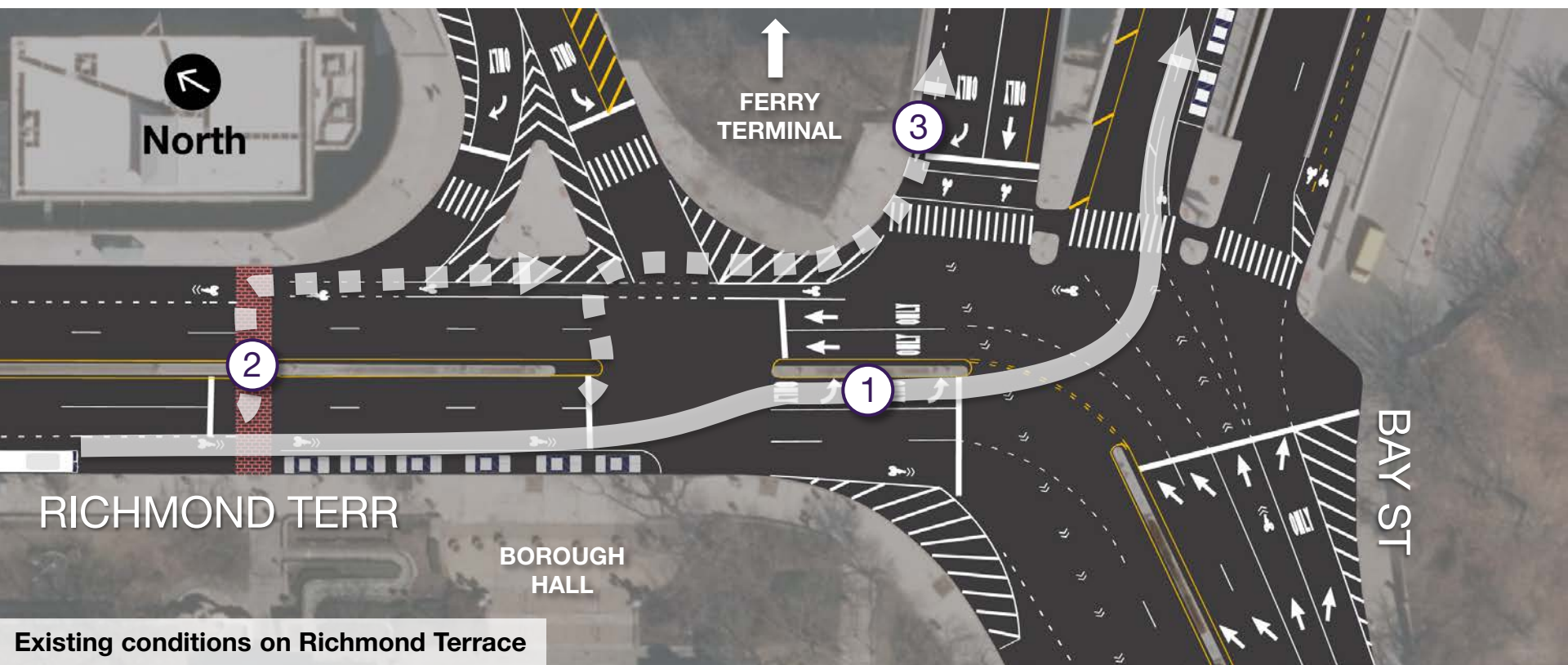
2 Painted Curb Extensions
Shortens pedestrian crossing distances and reduces exposure to turning traffic

3 New Pedestrian Connection
Route pedestrians on Ramp C to connect the lower level boarding area directly to the street

Bicycle Improvements

3

EXISTING ISSUES: Richmond Terrace, from Schuyler Street to Bay Street



Existing conditions on Richmond Terrace

- ① Difficult Crossing to Enter Terminal**

Bicyclists must cross several lanes of traffic to enter terminal via Ramp C
- ② Some Bicyclists Cross Early**

Many cross Richmond Terrace at Old Viaduct, riding against traffic on Richmond Terrace
- ③ Some Bicyclists Enter via Ramp D**

Many ride against traffic on Ramp D instead of entering via Ramp C



REQUESTED IMPROVEMENTS

Easier Terminal Access for Bicyclists

- Bicyclists currently must cross several lanes of traffic to access the terminal
- A dedicated crossing phase would be safer



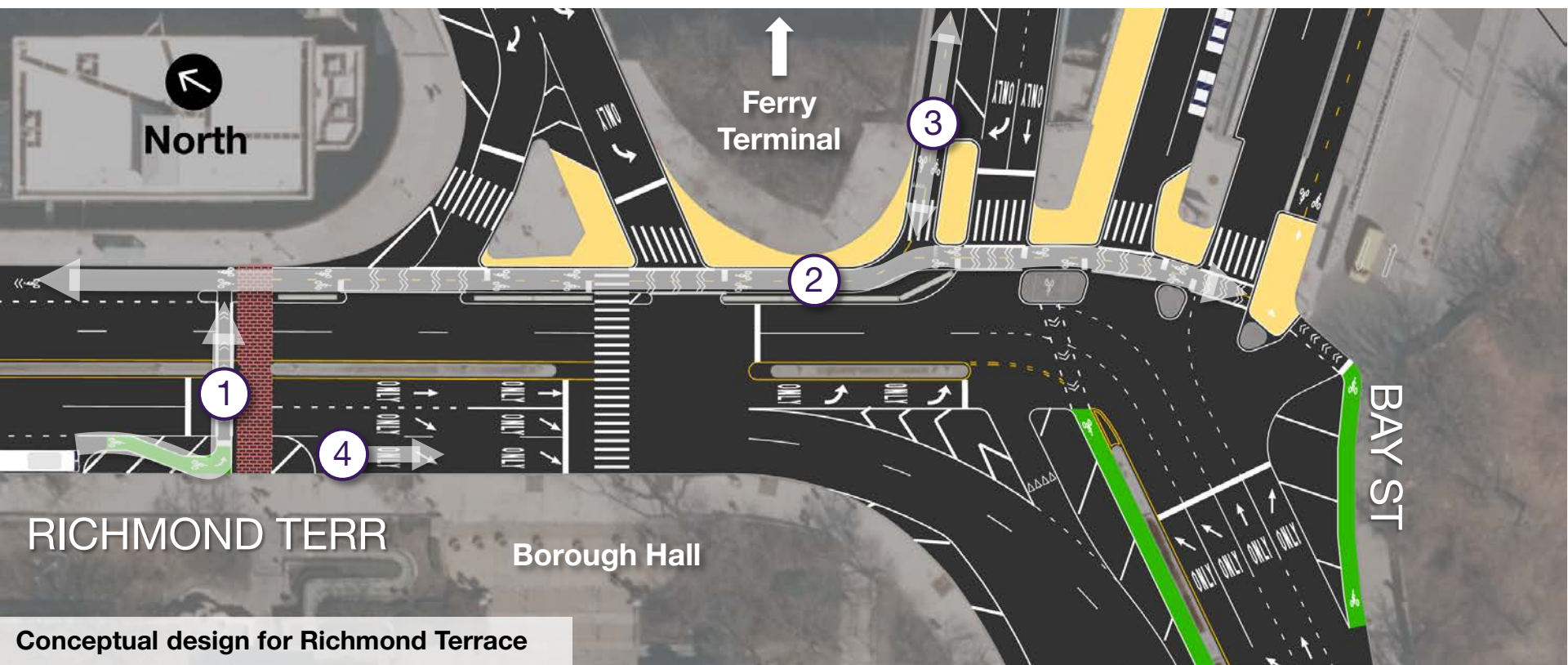
Bicyclist entering terminal via Ramp D

REQUESTED IMPROVEMENTS

Provide More Direct Route to Bicycle Boarding Entrance

- Bicyclists currently directed to Ramp C entrance (Kiss & Ride)
- Bicyclists often ride against traffic on Ramp D because it is a shorter, more direct route

PROPOSED IMPROVEMENTS: Richmond Terrace, Schuyler Street to Bay Street

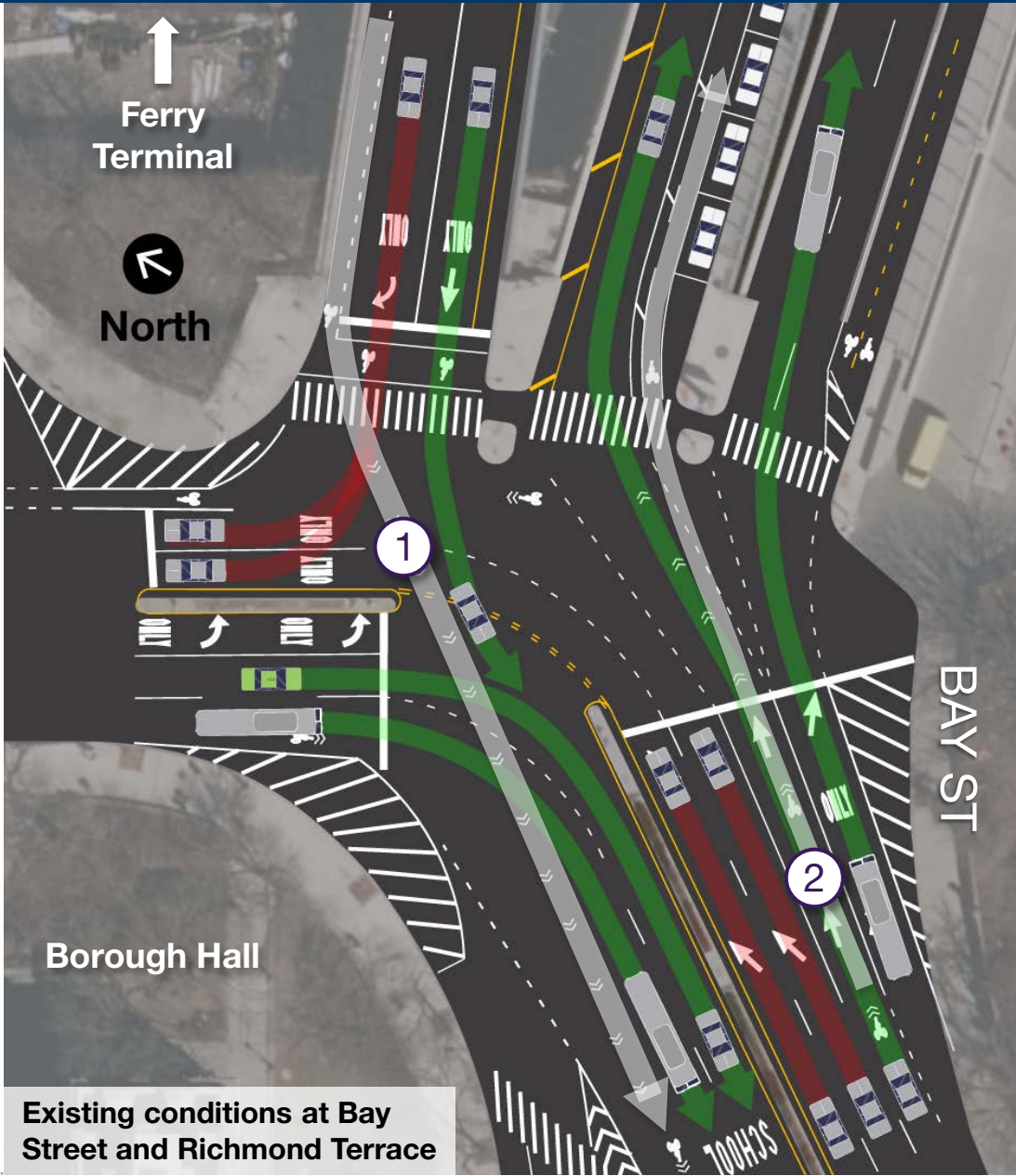


Conceptual design for Richmond Terrace

- 1 **New Bicycle Crossing**
Allows bicyclists to cross Richmond Terrace during dedicated bicycle/pedestrian signal phase
- 2 **Protected Bicycle Lanes**
Guide bicyclists to entrances, and separate bicyclists and motor vehicles
- 3 **Direct Route to Bicycle Boarding**
New two-way bicycle lane improves safety and circulation
- 4 **New Travel Lane**
Traffic capacity expanded for southbound traffic, improving flow

EXISTING ISSUES
Bay Street
at Richmond Terrace

- 1 Challenging Maneuver for Cyclists Exiting Terminal**
Bicyclists exiting the terminal must cross 3 travel lanes to access Bay Street
- 2 Cyclists Mix With Heavy Vehicular Traffic When Entering Terminal**
Cyclists share the lane with bus, car service, and shuttle service traffic





REQUESTED IMPROVEMENTS

Safer Exit for Cyclists to Bay St

- Vehicles exiting the terminal onto Richmond Terrace turn across the bicycle lane
- Cyclists exiting Ramp D (Kiss & Ride exit) share the roadway with motorists
- Cyclists are routed in-between southbound Richmond Terrace traffic and Ramp D traffic



REQUESTED IMPROVEMENTS

Safer Entrance for Cyclists from Bay St

- Cyclists entering Ramp C (Kiss & Ride entrance) share roadway with motorists
- Cyclists must cross the path of buses, taxis, and shuttles entering Ramp B

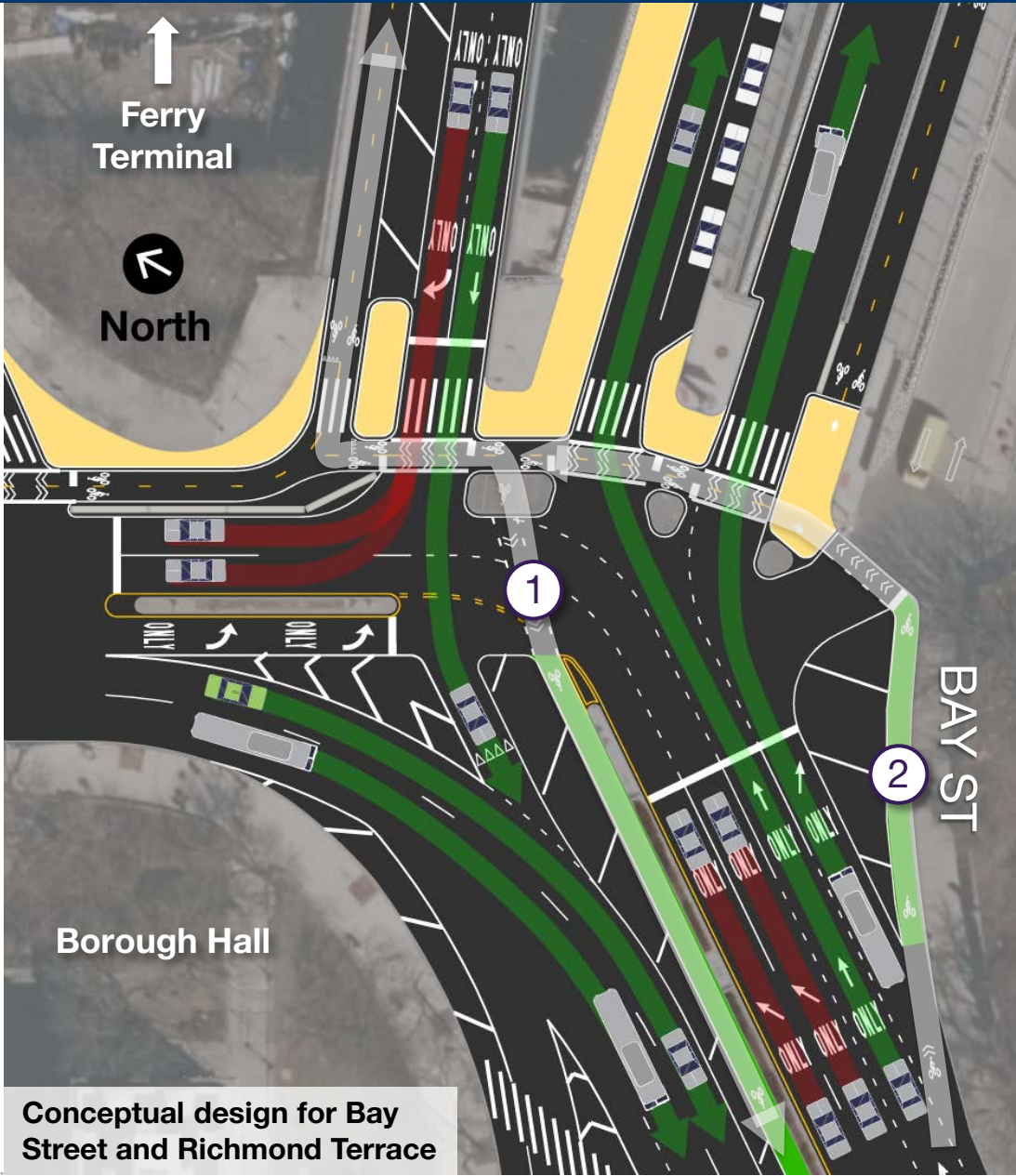
PROPOSED IMPROVEMENTS
Bay Street
at Richmond Terrace

① **Route Exiting Cyclists to
New Bicycle Crossing
Between Ramps C and D**

Cyclists safely cross Richmond Terrace
without any vehicular conflicts

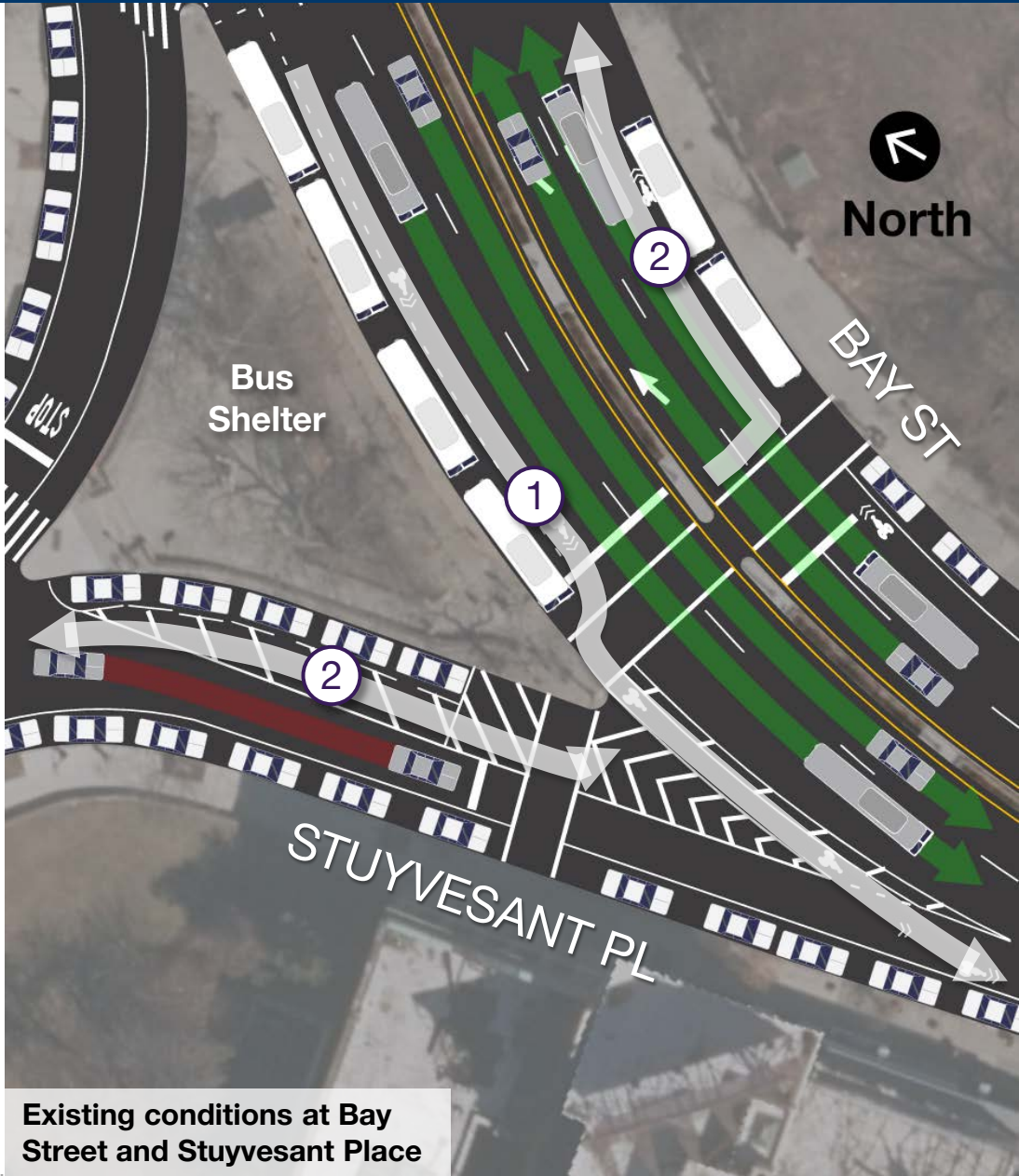
② **Northbound Bike Lane
on Bay St**

Curbside bike lane routes cyclists away
from vehicular traffic. Cyclists cross ferry
terminal ramps at the same time as
pedestrians.



EXISTING ISSUES
Bay Street
at Stuyvesant Place

- 1 No Dedicated Space for Cyclists between Busy Bus Stop and Travel Lanes**
Southbound cyclists on Bay St share travel lanes with heavy vehicular traffic between Richmond Terrace and Stuyvesant Place
- 2 No Bicycle Connection to St George Civic Center**
No designated bicycle route between Staten Island Ferry and the commercial, governmental, and entertainment corridor on Hyatt Street



Existing conditions at Bay Street and Stuyvesant Place



Stuyvesant Place facing north from Bay Street

REQUESTED IMPROVEMENT

Add Bicycle Connection Between Civic Center and Ferry

- No designated bicycle route between St George Civic Center and St George Terminal
- Requested on walking tour that route be designated

PROPOSED IMPROVEMENTS

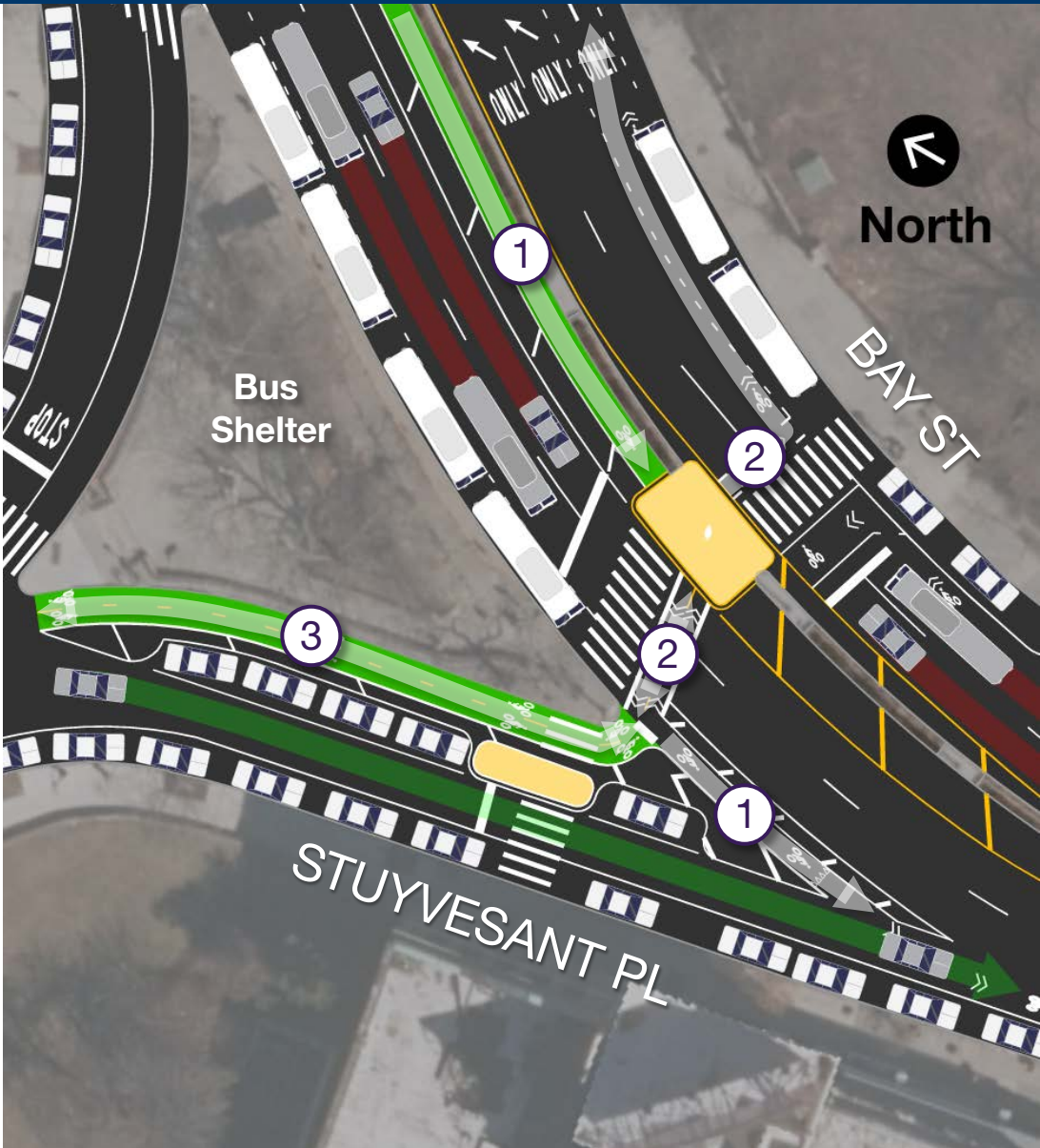
Bay Street at Stuyvesant Place

- 1

Southbound Protected Bike Lane on Bay St
Median bicycle lane separates cyclists from bus stops and moving traffic
- 2

Safe Transition for Southbound Cyclists
New crossing allows cyclists to cross Bay Street without conflicting with Bay Street traffic
- 3

New Bicycle Connection to Civic Center
2-way parking-protected bike lane on Stuyvesant Place connects St George Civic Center to SI Ferry Terminal



Conceptual design for Bay Street and Stuyvesant Place intersection



REQUESTED IMPROVEMENTS

Open Bicycle Path on Ramp B (Bus Terminal Entrance)

- A barrier is currently blocking bicycle lanes to Ramp B pedestrian entrance
- Lanes have remained closed since they were built



Existing bicycle parking at ferry terminal

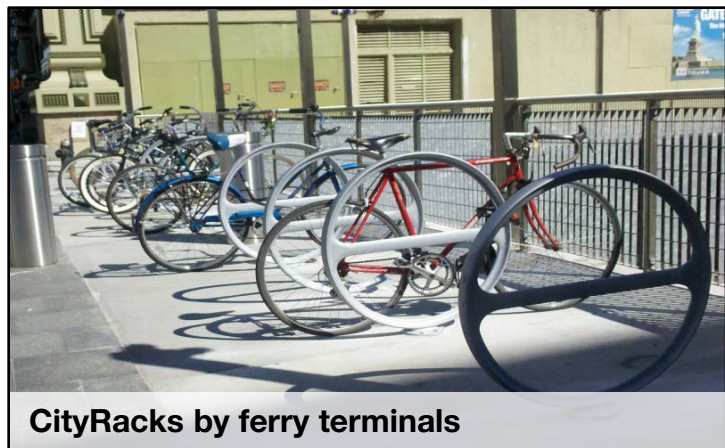
REQUESTED IMPROVEMENT

Better Bicycle Parking at Terminal

- Bicycle parking is located far from bicycle access points
- SI Ferry Quality of Life Task Force Report requested better placement of bicycle racks



End of Ramp B bicycle path



CityRacks by ferry terminals

PROPOSED IMPROVEMENTS

Ramp B (bus & taxi entrance)

- Open Ramp B Bicycle Lanes
- Create bicycle parking area by Ramp B entrance
- Add bicycling amenities including a bicycle pump



REQUESTED IMPROVEMENT

Improve Bicycle and ADA Waiting Area

- Bicycle racks do not allow cyclists to leave their bicycles to use facility
- Seating for disabled passengers is uncomfortable
- Lower-level boarding pilot program begins in September



Existing Bicycle/ADA waiting area

PROPOSED IMPROVEMENTS

Bicycle/Disabled Passengers' Waiting Area

Replace Seating

Upgrade seating, ensure compliance with the Americans with Disabilities Act

Add Bicycle Racks

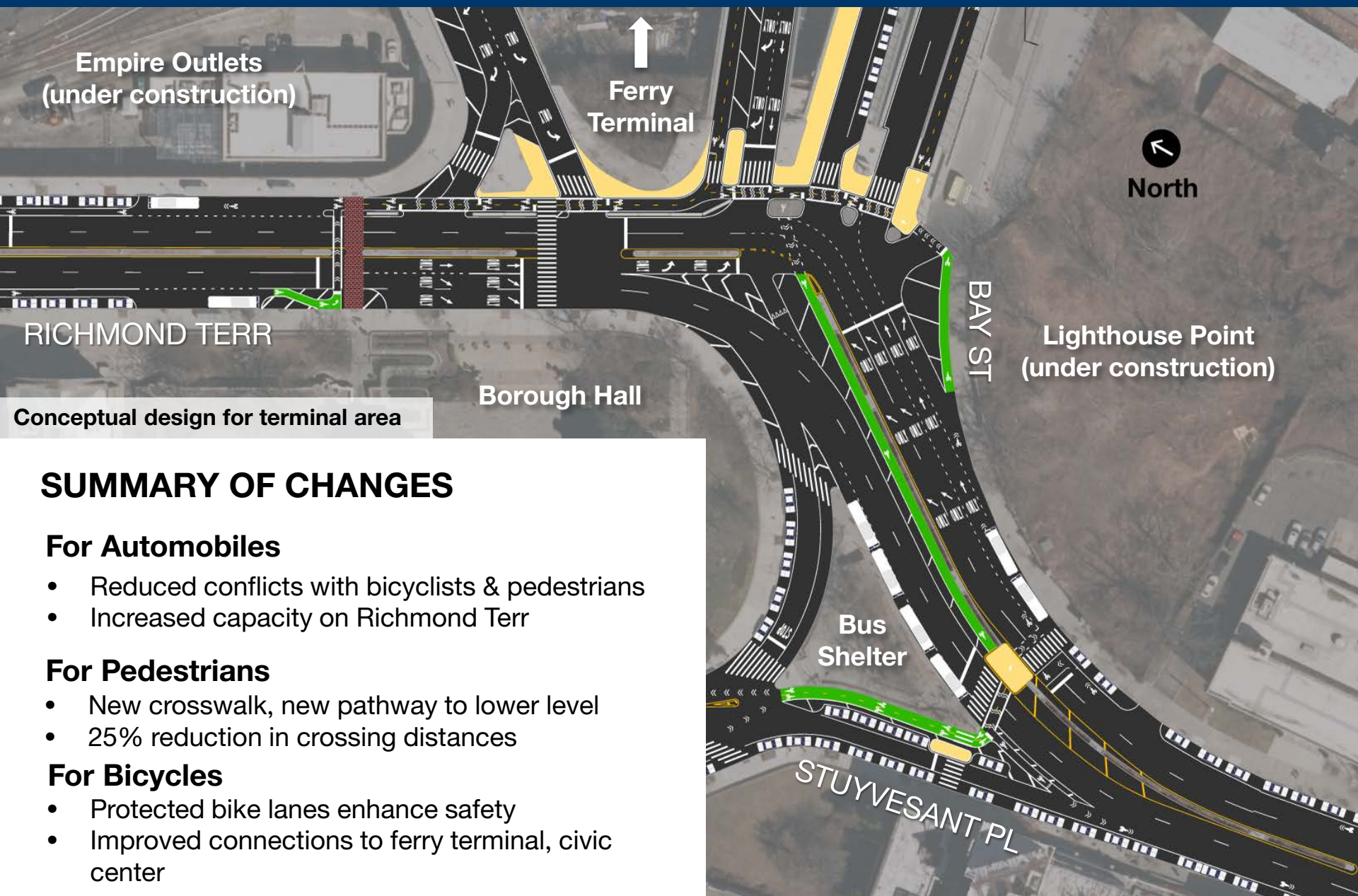
New bicycle racks allow cyclists to leave their bicycles to use the ferry terminal facilities while waiting

Update Signage

Provide clearer signage and additional cycling info for riders

Summary

4



SUMMARY OF CHANGES

For Automobiles

- Reduced conflicts with bicyclists & pedestrians
- Increased capacity on Richmond Terr

For Pedestrians

- New crosswalk, new pathway to lower level
- 25% reduction in crossing distances

For Bicycles

- Protected bike lanes enhance safety
- Improved connections to ferry terminal, civic center

PROJECT SUMMARY

Project addresses the concerns of bicyclists and pedestrians, with minimal impacts to other users:

Improved Pedestrian Circulation and Crossings

New crosswalks and expanded pedestrian space improve access and safety

Safe Bike Access to Terminal

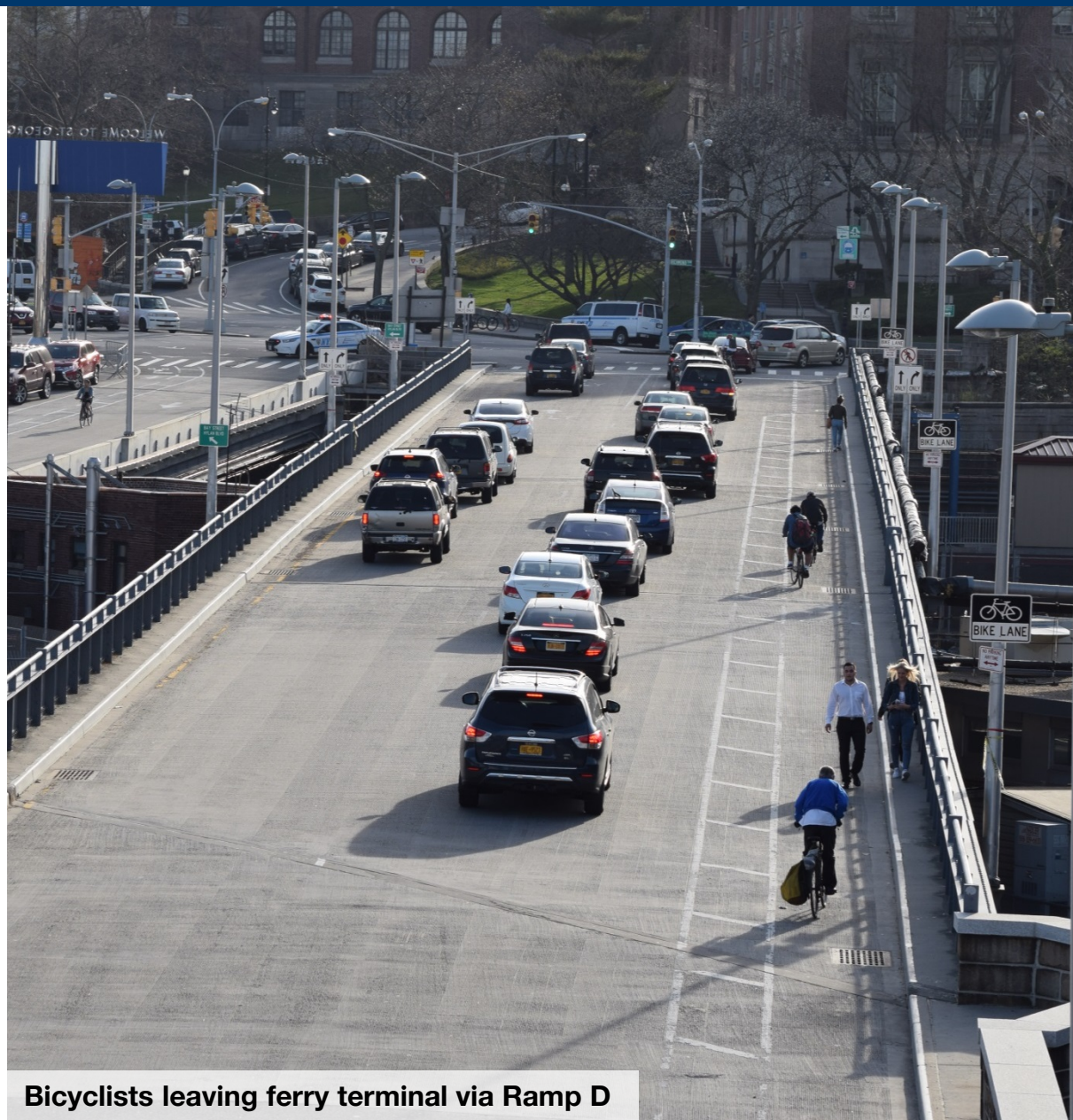
New dedicated crossings and protected path guide bicyclists to terminal

More Direct Access to Lower Level Boarding

New two-way protected bicycle lanes on Ramp D and pedestrian path on Ramp C improve access to lower level boarding

New Bicycle Parking

Opened Ramp B bicycle lanes to connect bicyclists to new bicycle parking facilities



Bicyclists leaving ferry terminal via Ramp D

THANK YOU!

Questions?



NYCDOT



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nyc_dot



NYCDOT