



CATHERINE ST AND MARKET ST COMMUNITY BIKE NETWORK

Presented to Manhattan Community Board 3
January 8, 2019



BACKGROUND

1

Project Goals

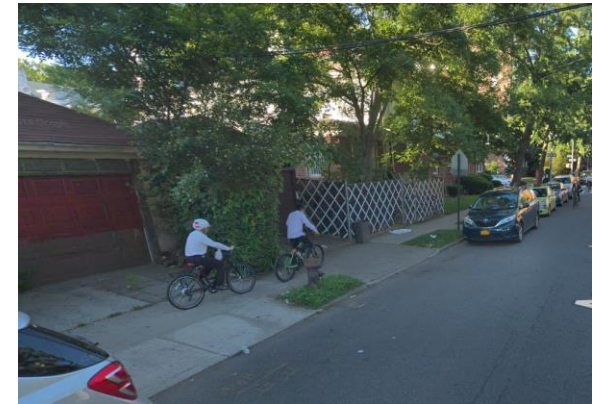
- Create a community bike network within the Two Bridges Community that:
 - Creates connections from the Manhattan Bridge to the East River Greenway bike path
 - Establishes connections to community facilities such as Coleman Sq Playground, Martin F. Tanahey Playground, Catherine Slip Park, Alfred E. Smith Recreation Center, Murry Bergtraum Softball Field, and PS 261
 - Supports CitiBike ridership in the community by connecting to the bike share stations



Cycling Trip Types in New York City

To understand the needs of cyclists and for the purposes of planning, cycle trips can be categorized in the following five categories:

- Neighborhood
- Commercial
- Commuter
- Recreation
- Sports



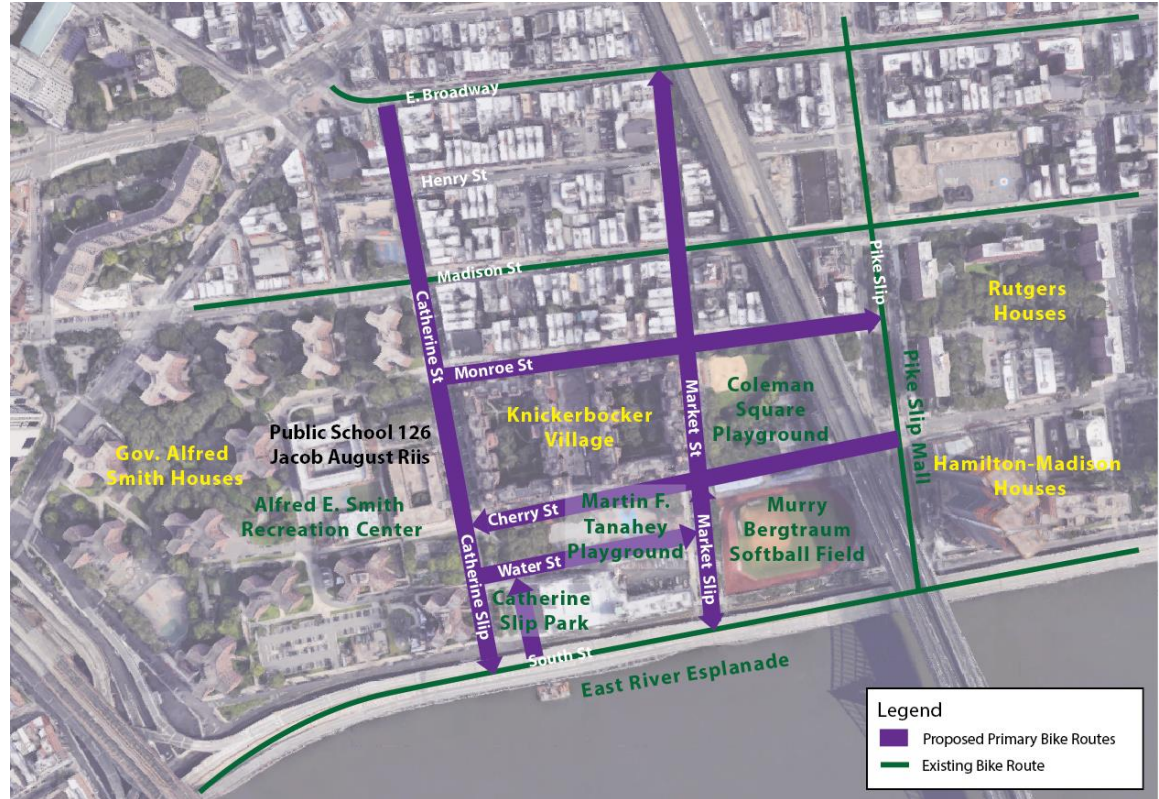
Bicycle Route Planning Criteria

The typical criteria employed to encourage more people to cycle are as follows:

- **Cohesive** – routes are continuous; origins and destinations are connected; integrated with other modes; freedom in route choice
- **Direct** – provide a route that is direct as possible; minimize detours
- **Safe** – provides limited conflict between cyclists and other; infrastructure helps prevent crashes
- **Comfort** - limit stress level, annoyance, nuisance and delay; avoid complicated maneuvers
- **Attractive** - Individual decision in route selection based on the specific travel purpose and can vary during time of day and trip purpose.

Proposed Routes

- Catherine St / Catherine Slip
- Market St / Market Slip
- Monroe St
- Cherry St
- Water St



No parking spaces will be removed.

Bike Volumes

Bicycle Traffic represents about **14%** of the traffic on the street between 7am to 7pm.



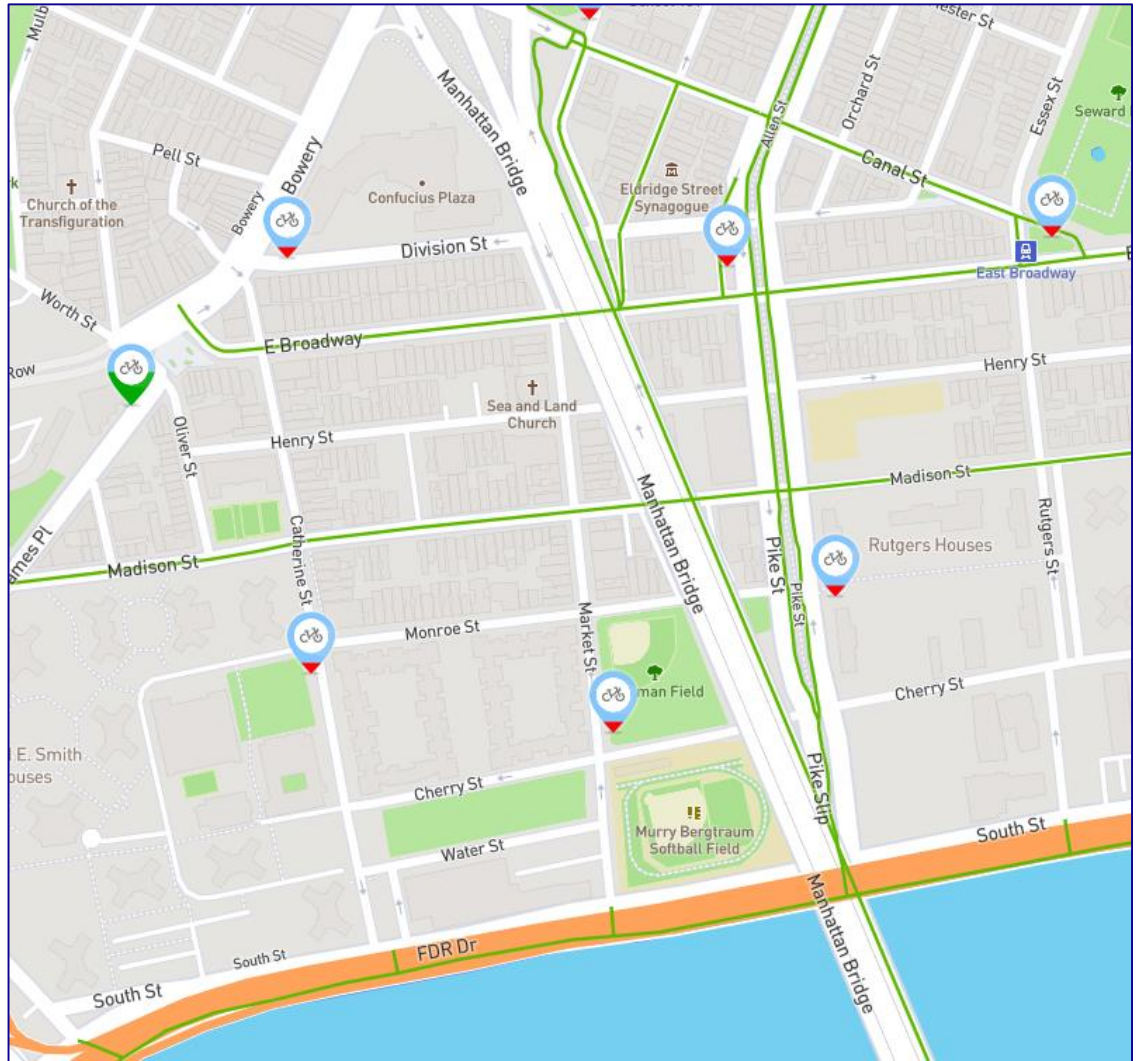
CATHERINE ST
Weekday - 316 cyclists
Weekend - 226 cyclists

MARKET ST
Weekday - 168 cyclists
Weekend - 201 cyclists



Citi Bike Stations in Community

- Catherine Slip and Monroe Street
- Market Street and Cherry Street



DESIGN PROPOSAL

2

Catherine Street (East Broadway to Madison St)

Key Map

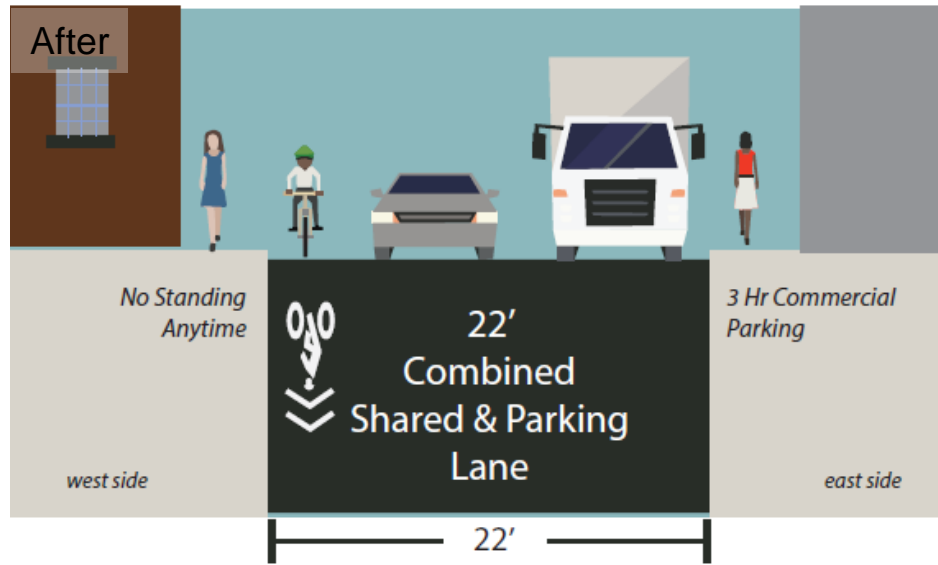
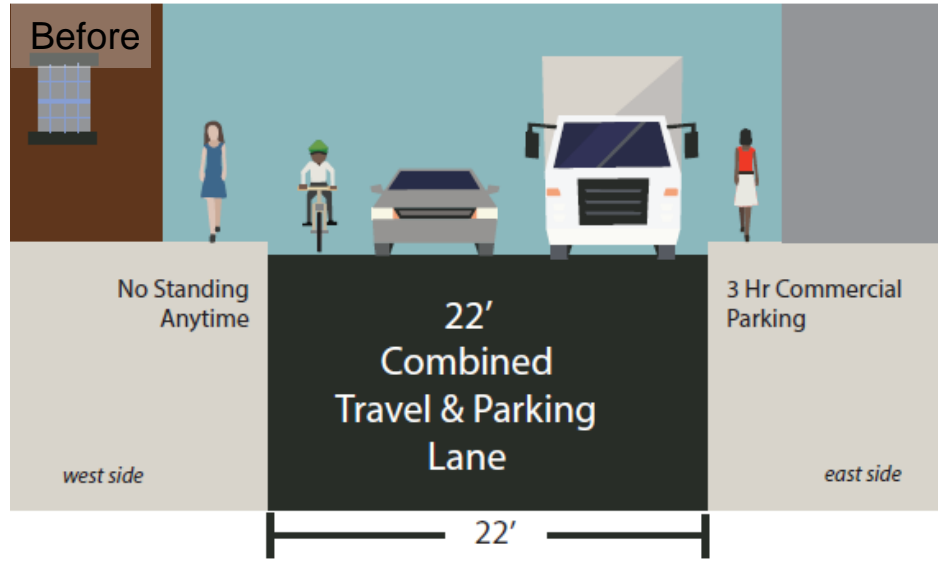


Illustration of Proposed Design

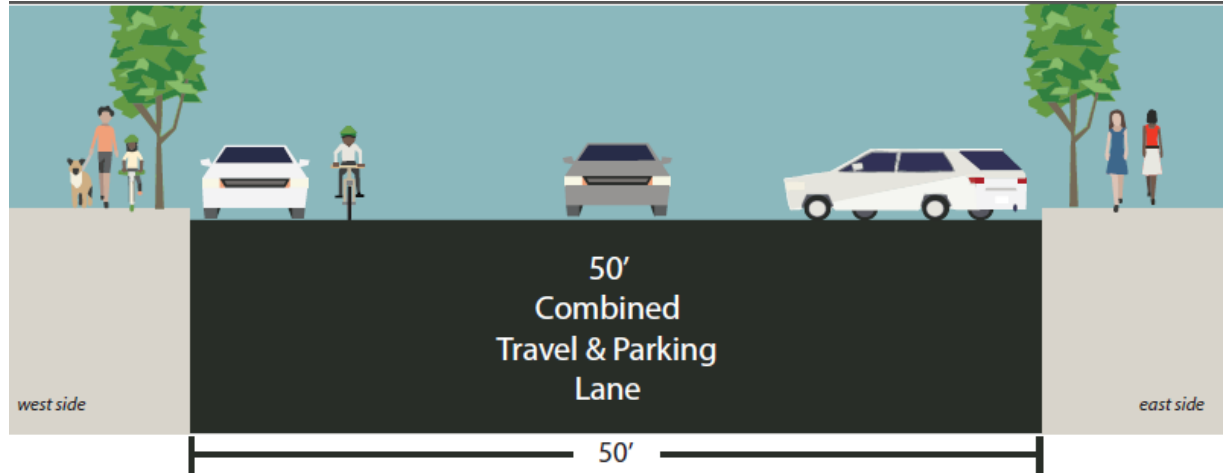


Catherine Street (Madison St to Cherry St)

Key Map



Before



After

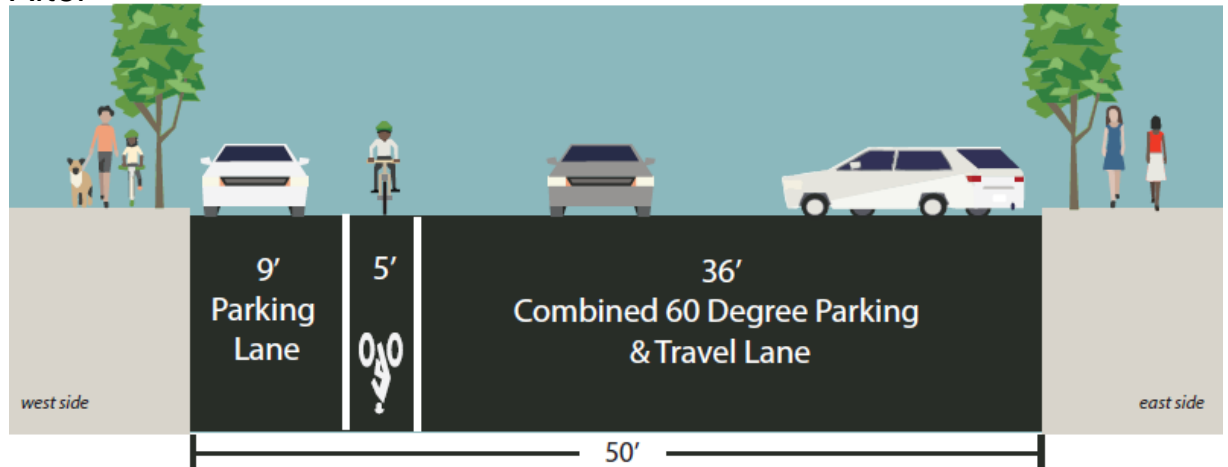


Illustration of Proposed Design



Catherine Slip (Cherry St to South St)

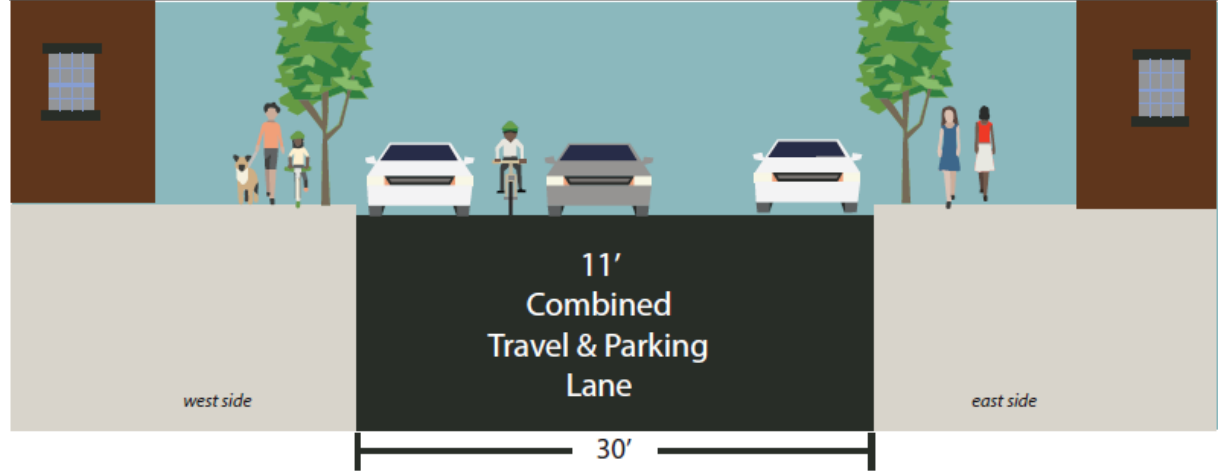
Key Map



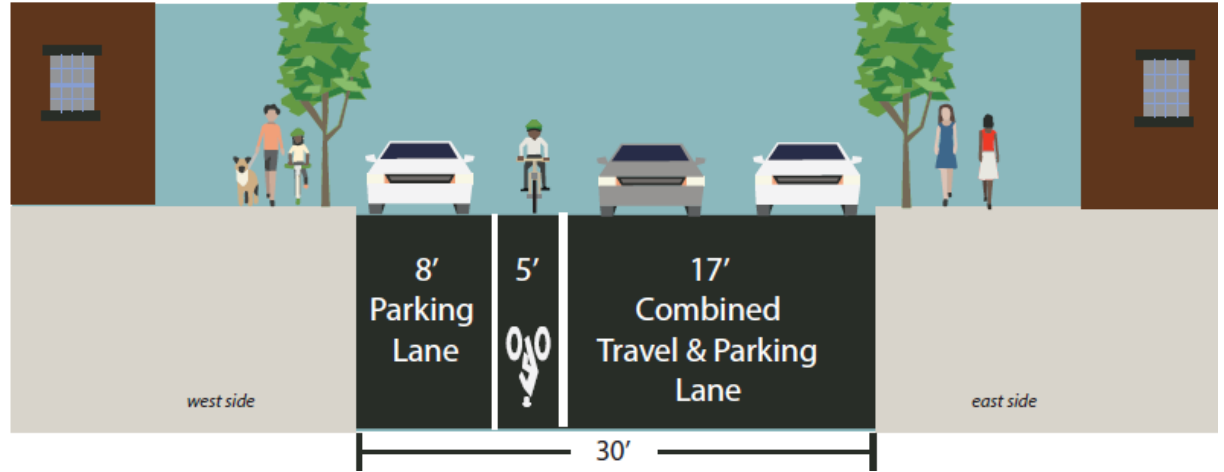
Illustration of Proposed Design



Before



After



Market Slip (South St to Water St)

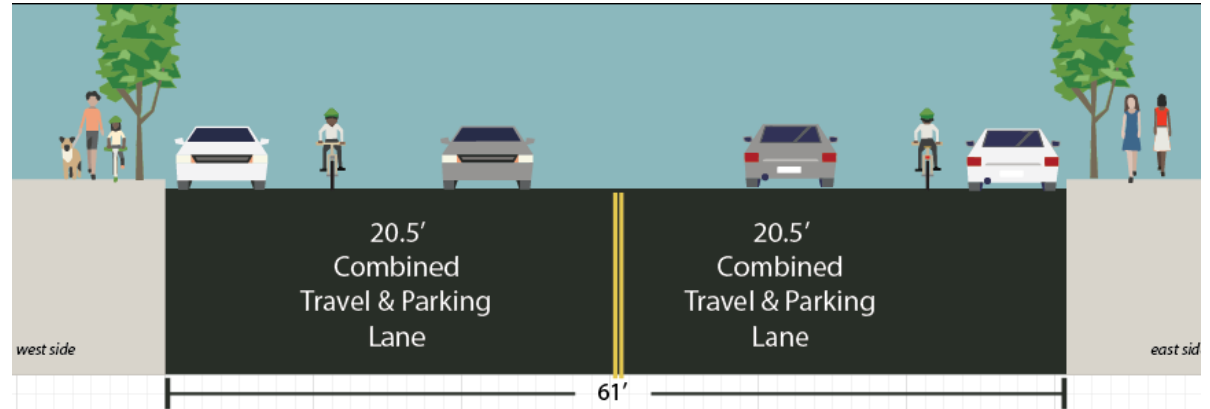
Key Map



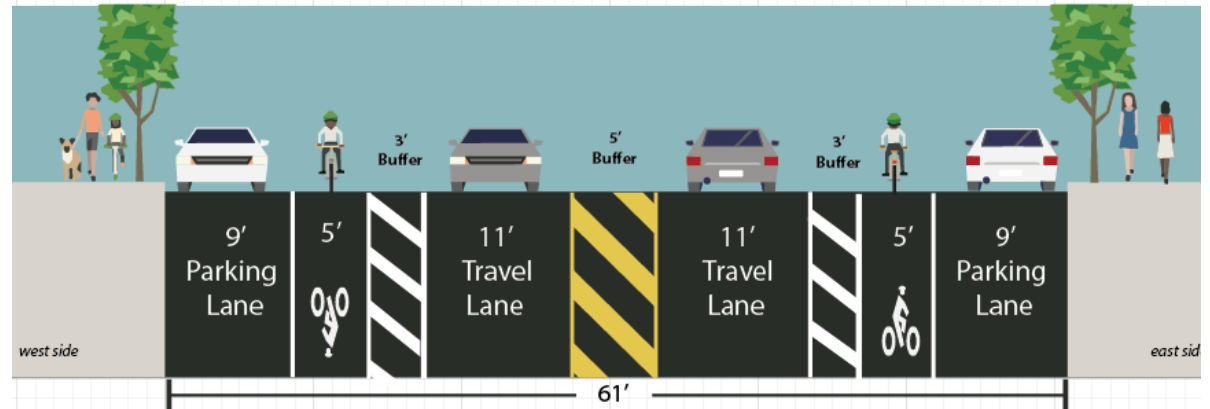
Illustration of Proposed Design



Before



After

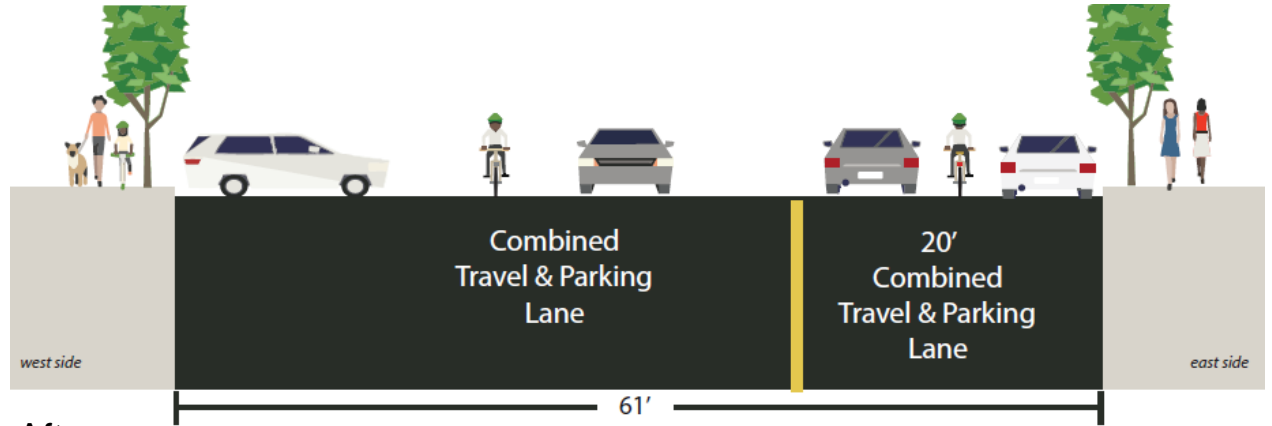


Market Slip (Water St to Cherry St)

Key Map



Before



After

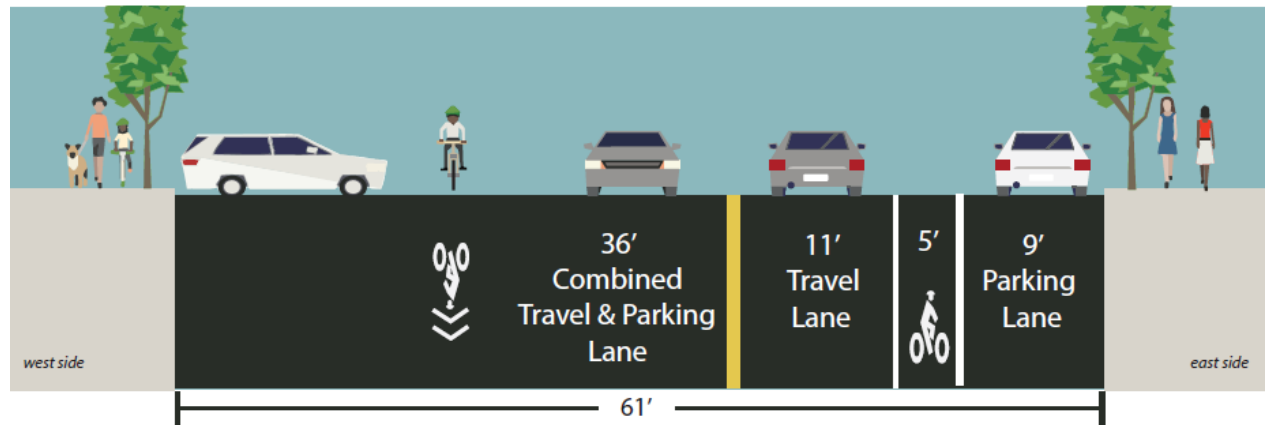


Illustration of Proposed Design

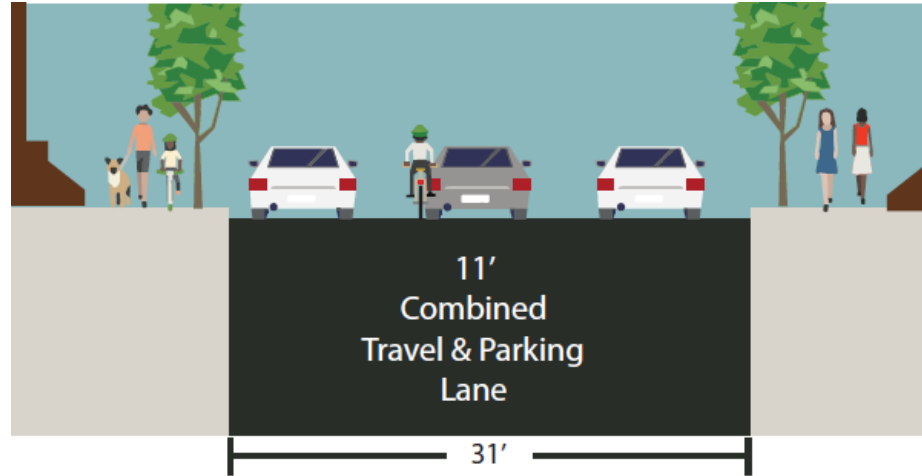


Market Street (Cherry St to East Broadway)

Key Map



Before



After

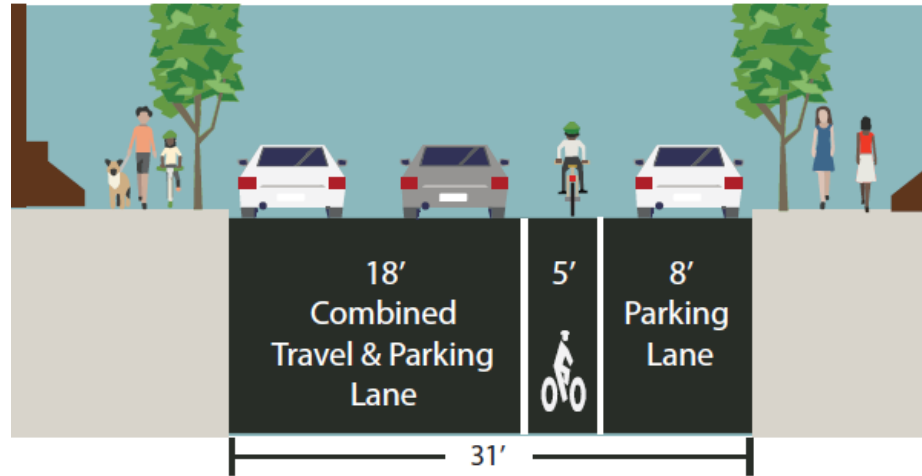


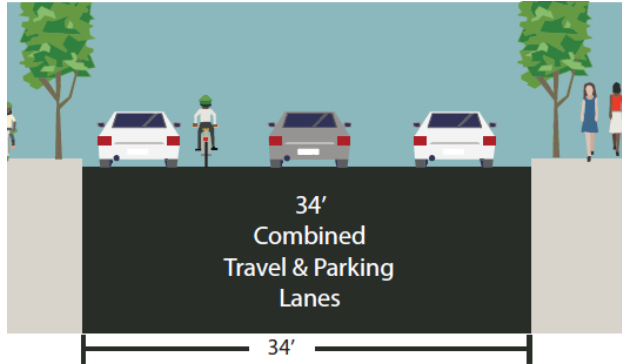
Illustration of Proposed Design



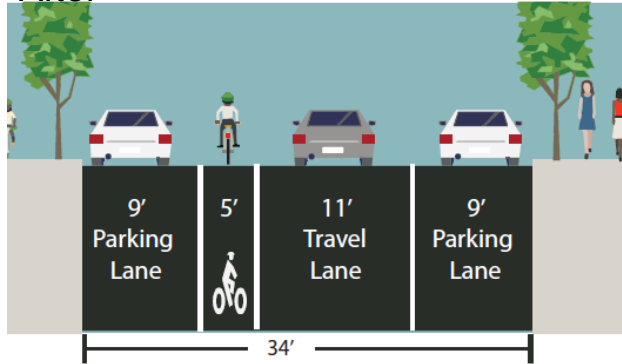
Monroe St (Catherine St to Pike Slip)

Catherine St to Mechanics Alley

Before

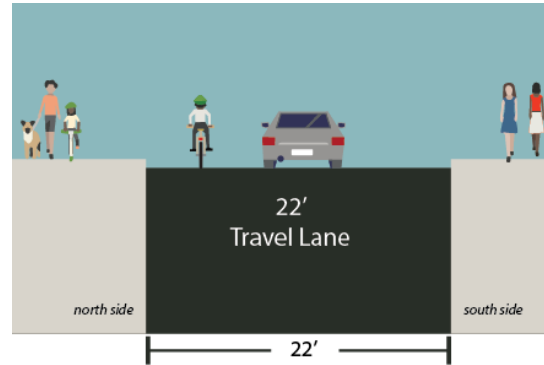


After

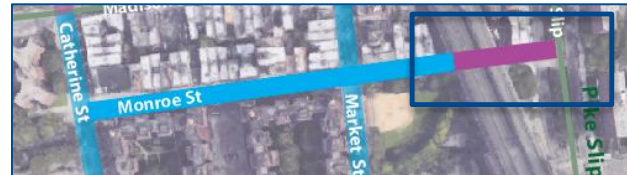
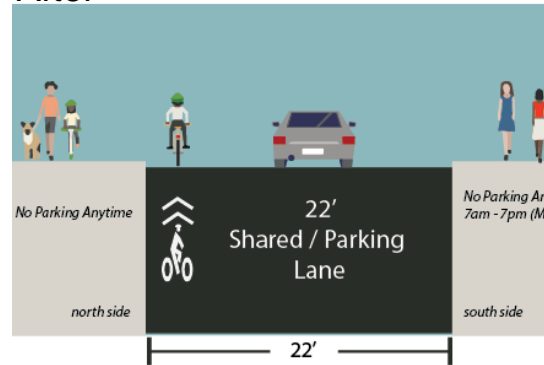


Mechanics Alley to Pike Slip

Before

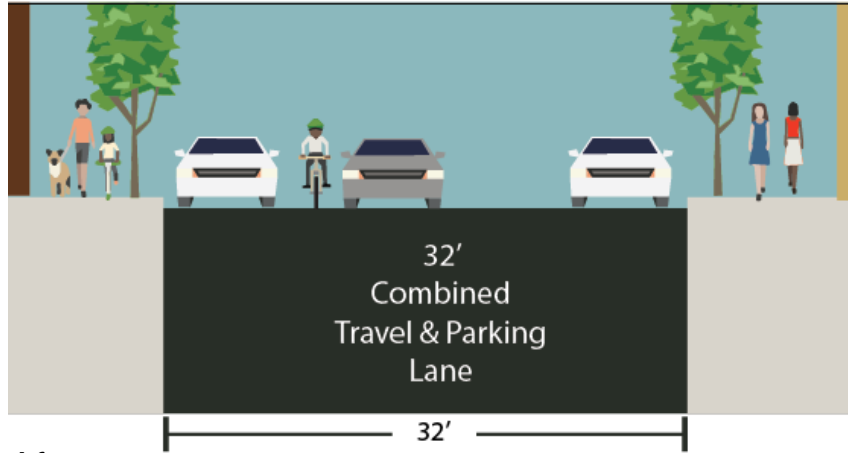


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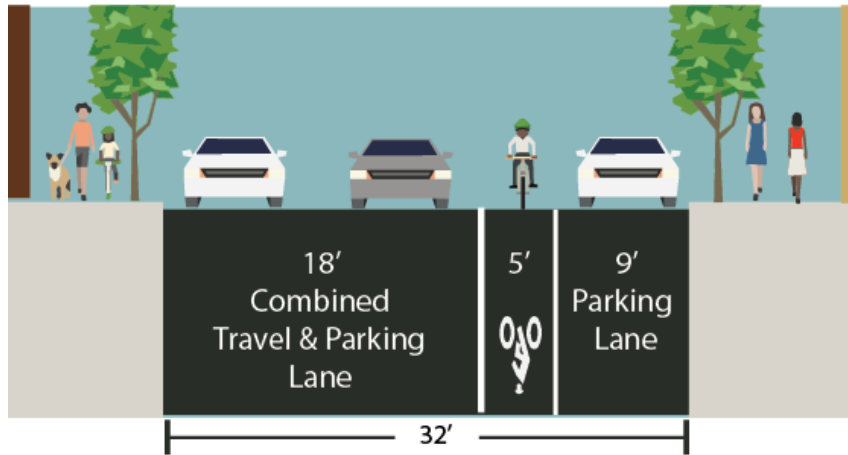


Cherry St (Catherine St to Pike Slip)

Before

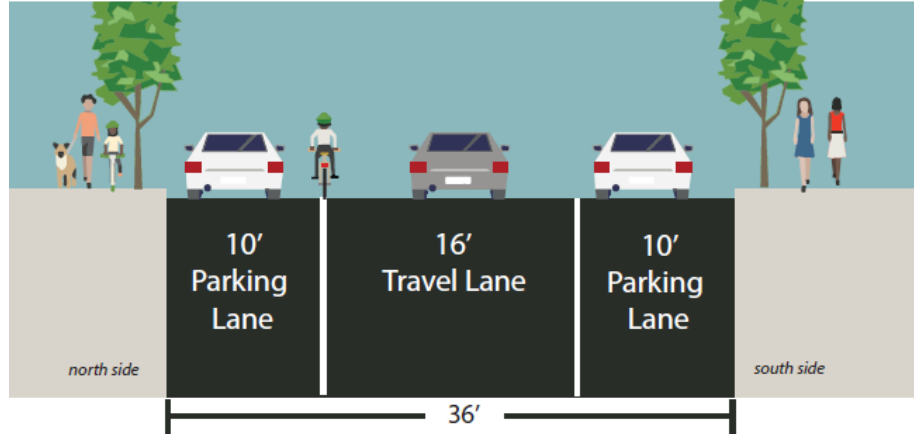


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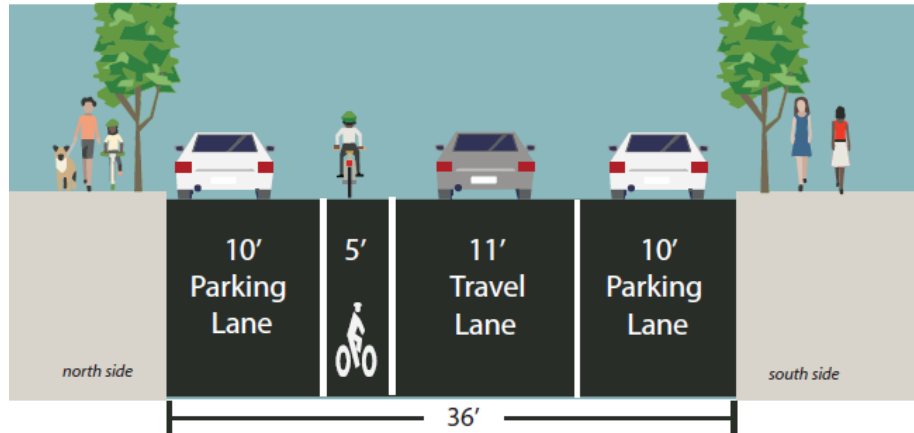


Water St (Catherine to Market Slip)

Before



After

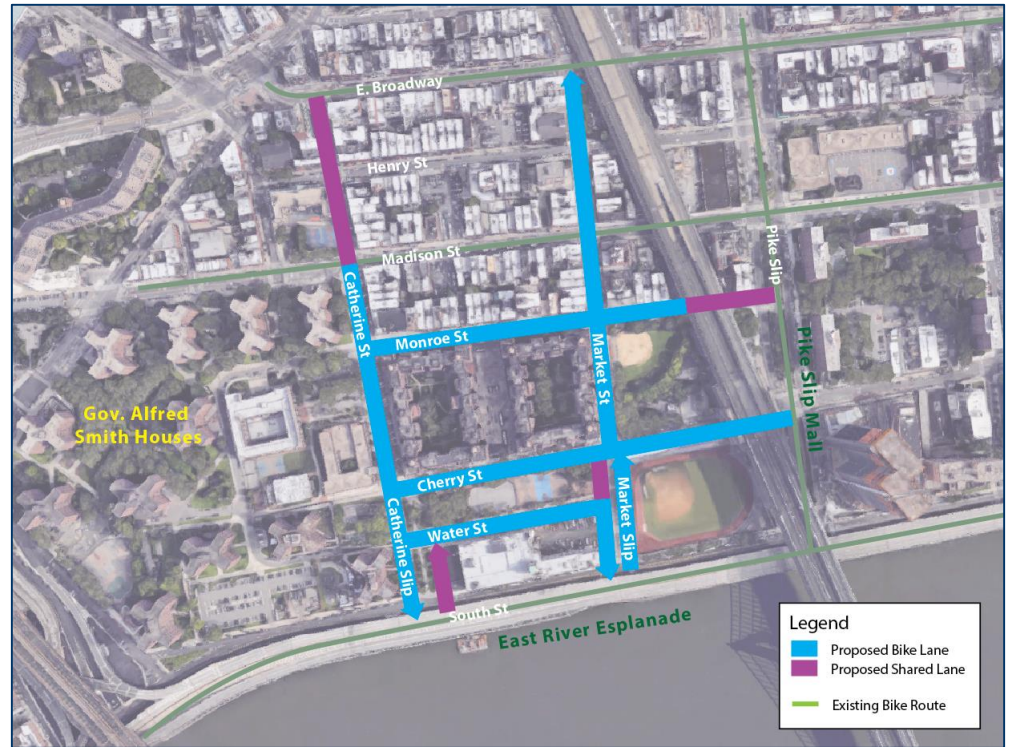


SUMMARY

3

Benefits & Proposed Bike Routes and Facility Types

- Builds upon the neighborhood bike network
- Improves connections to community and recreation facilities
- Creates a connection between East Broadway and the East River Esplanade bikeway
- Creates safe, convenient cycling routes for all ages and abilities



Questions?
THANK YOU!



NYC DOT



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