Columbus Avenue
Bicycle Path and Mobility Enhancements
Community Board 7

Commissioner Janette Sadik-Khan, New York City Department of Transportation
December 11, 2012

NEW YORK CITY DOT

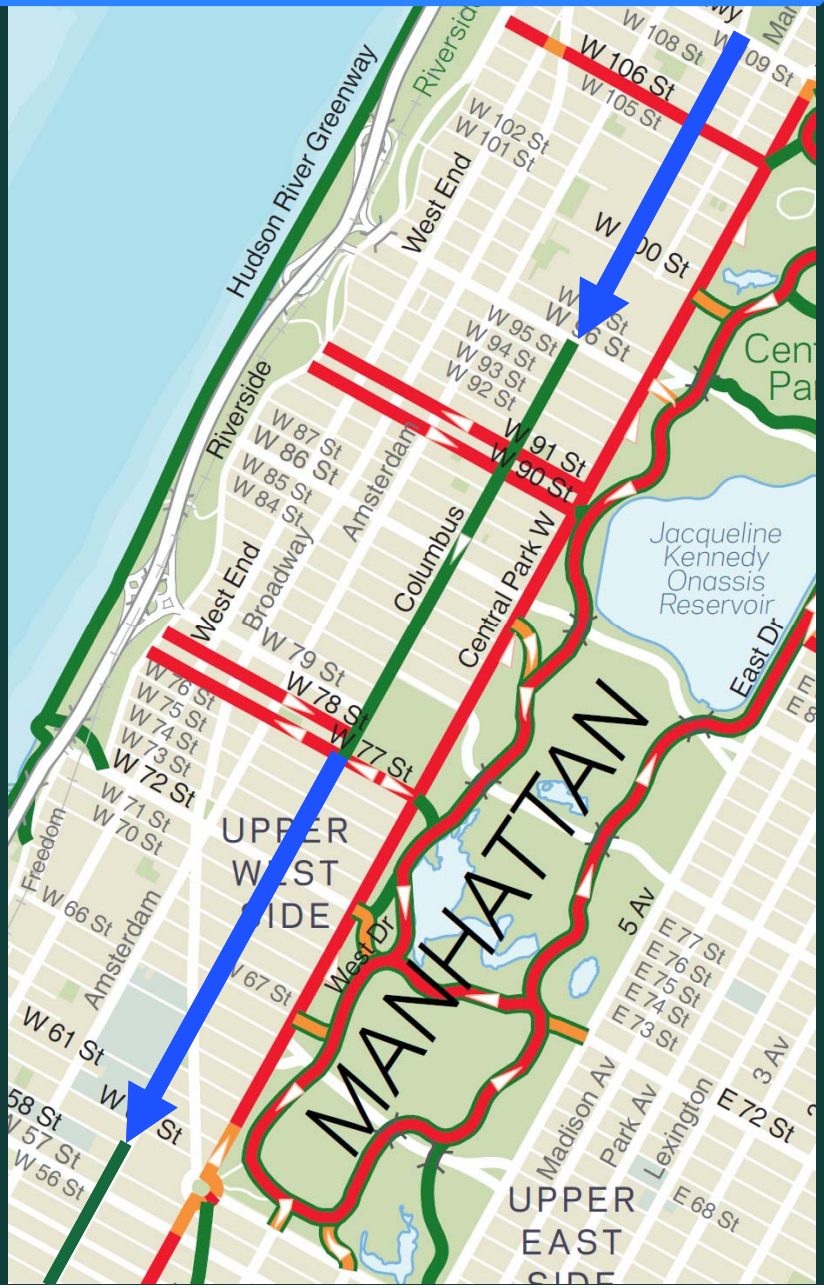
Background

- 2010: Protected bicycle path installed on **Columbus Avenue**
  - W 96th St to W 77th St
  - Worked with the Columbus Avenue Working Group
- 2012: Protected bicycle path installed on **9th Avenue**
  - W 59th St to W 31st St

Columbus Avenue Issues

- Lack of continuity in the bicycle network
  - Resulting in lower bicycle volumes on existing Columbus Avenue bike path
- Long pedestrian crossings
  - 60 foot wide roadway
- Desire for beautification of commercial corridor
  - Street trees and plantings
- Corridor with variable traffic conditions
  - Motor vehicle congestion approaching Broadway intersection
  - Water main construction near Lincoln Center

Project Proposal

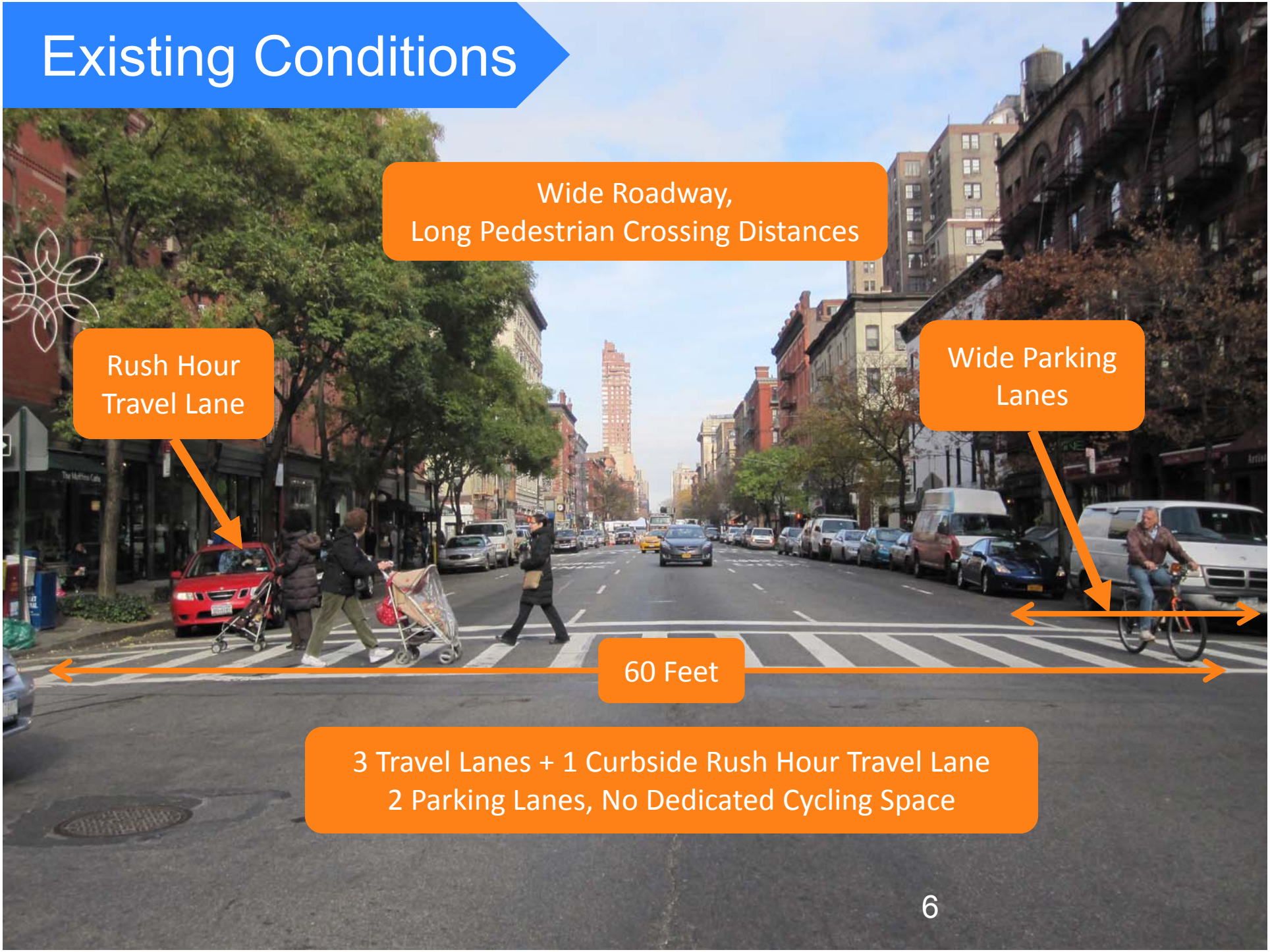


- Extend design on Columbus Avenue
  - W 110 to W 96 Streets
  - W 77 to W 59th Streets
- Provide connections to existing bicycle facilities
  - 106th St
  - 9th Avenue
  - Columbus Avenue
- Tailor design to improve traffic flow in congested areas
- Provide loading zones for businesses with need

Existing Conditions

Columbus Avenue at W 70th St

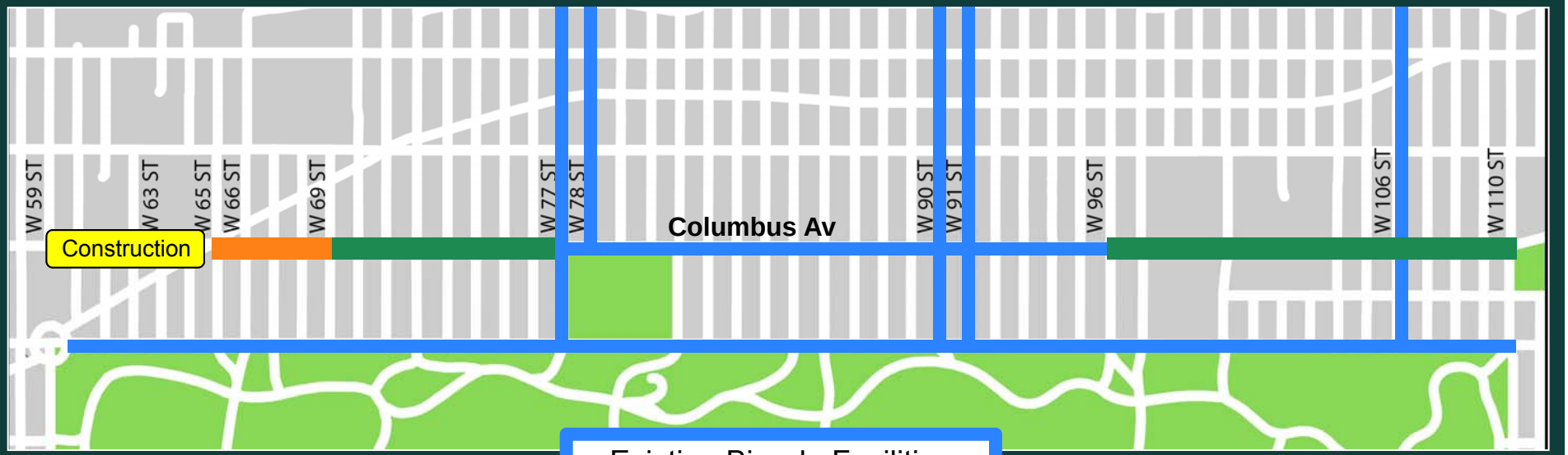
Existing Conditions



Proposal Summary

Bicycle Path

Enhanced Shared Lane



Existing Bicycle Facilities

Design Treatments

Pedestrian Island

Shortens pedestrian crossings

Mixing Zone

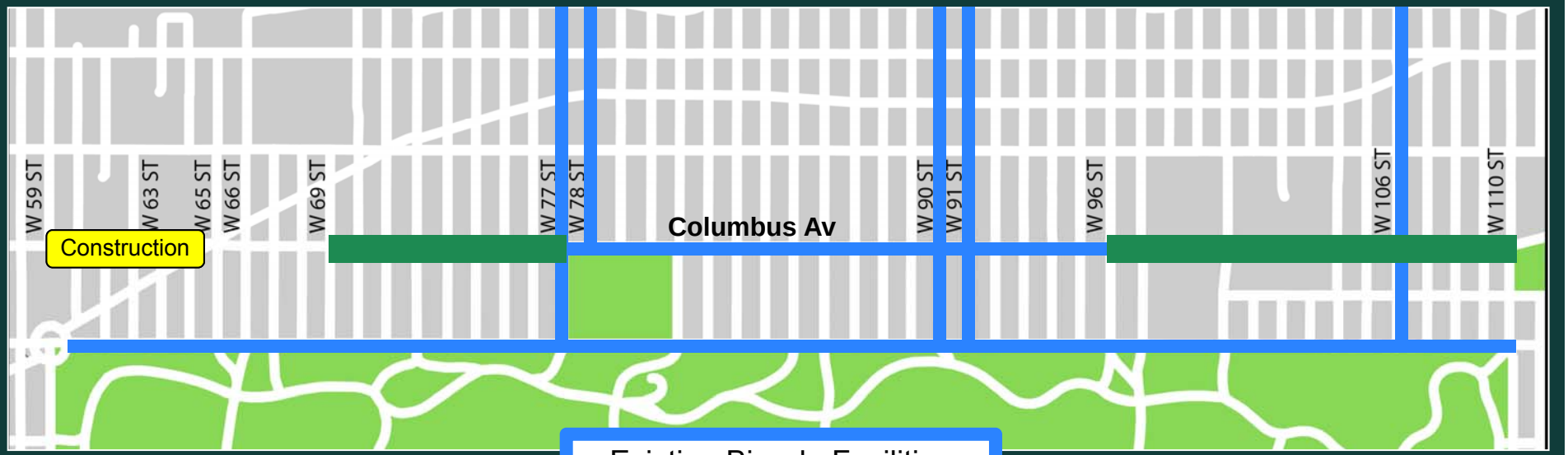
Safely accommodates vehicle/bike turning conflict

Enhanced Shared Lane

Additional bike symbols, over head no passing sign, solid lane line

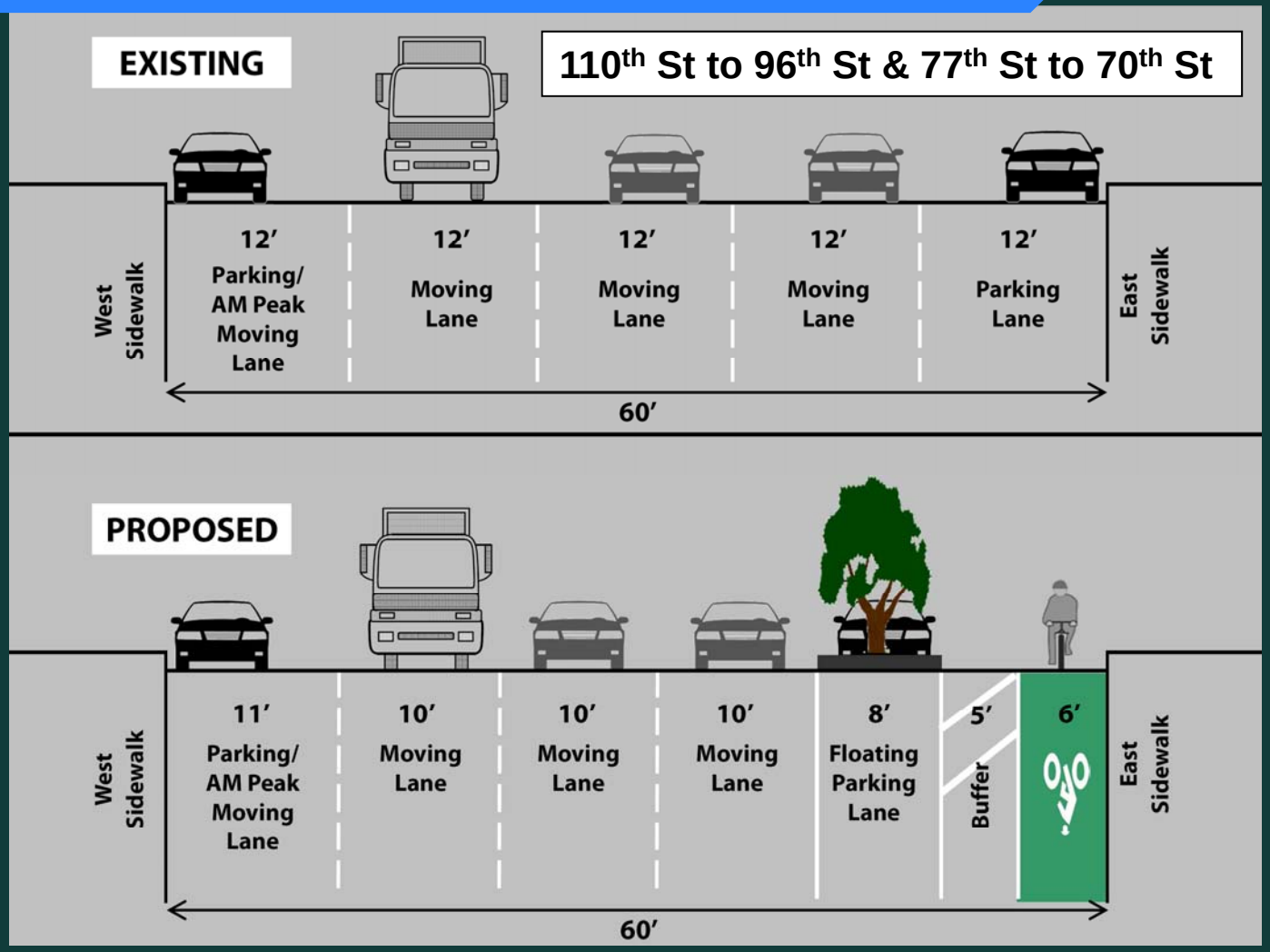
Proposal Summary

Bicycle Path



Existing Bicycle Facilities

Proposed Roadway Configuration



Peak Hour Volume Compared to Proposed Number of Travel Lanes

Segment	Planned # of Travel Lanes	Volume**
W. 110th to W. 96th	3+	868 (8:00a – 9:00a)

Peak Hour Vehicle Volumes: Average of three consecutive weekdays (Monday-Thursday) taken the week of 10/1/12

Proposed Roadway Configuration

Columbus Avenue, Manhattan

Parking Impact

East Side Repurposed Parking Space (west side not affected by islands & turn lanes)	Parking Space Equivalents (Approx.)		
	110th to 96th	77th to 65th	**Total**
Turn Lanes/ Mixing Zones	23	22	**45**
Pedestrian Islands	9	7	**16**
Total Spaces Repurposed	**32**	**29**	**61**
Total Existing Parking Spaces	**149**	**108**	**257**
Percent of Spaces Repurposed	**21%**	**27%**	**24%**

Mixing Zone

Pedestrian Island

Note: Upper Section, 17 islands, 4 mixing zones, 1 turn lane; Lower 12 islands, 3 mixing zone, 1 turn lane

Existing Conditions: Lincoln Center

Columbus Avenue at Broadway

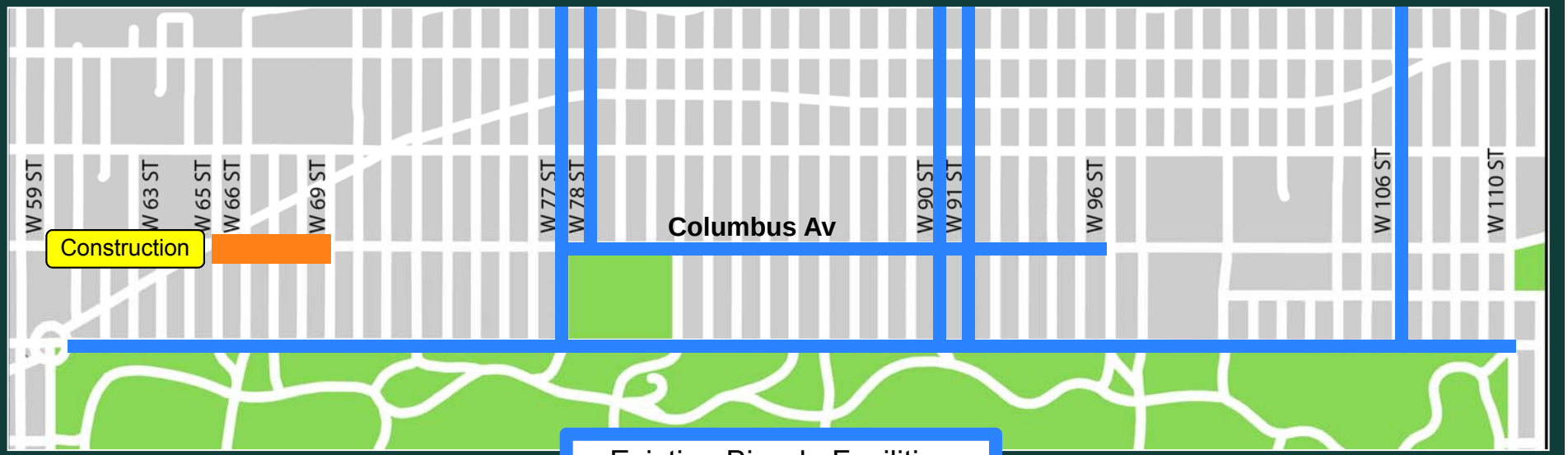
Existing Conditions: Lincoln Center

Existing Conditions: Columbus Ave

Columbus Avenue at W 68th St Facing South

Proposal Summary

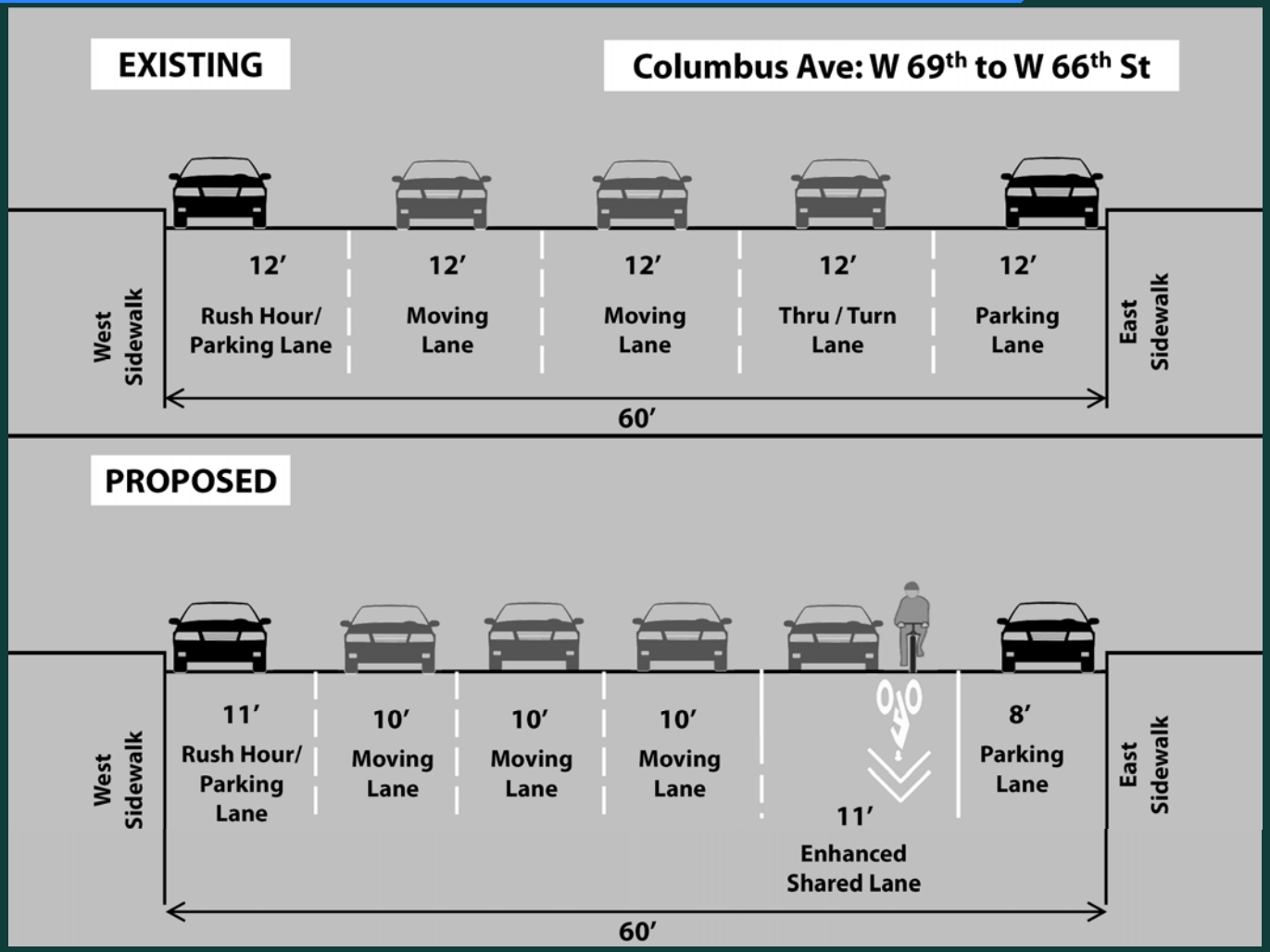
Shared Lane



Existing Bicycle Facilities

Proposed Roadway Configuration

- Add 1 travel lane



Peak Hour Volume Compared to Proposed Number of Travel Lanes

Segment	Planned # of Travel Lanes	Volume**
W. 66th to W. 65th	4	1,255 (8:00p – 9:00p)

Peak Hour Vehicle Volumes: Average of three consecutive weekdays (Monday-Thursday) taken the week of 10/1/12

Proposed Roadway Configuration

Second Avenue, Manhattan

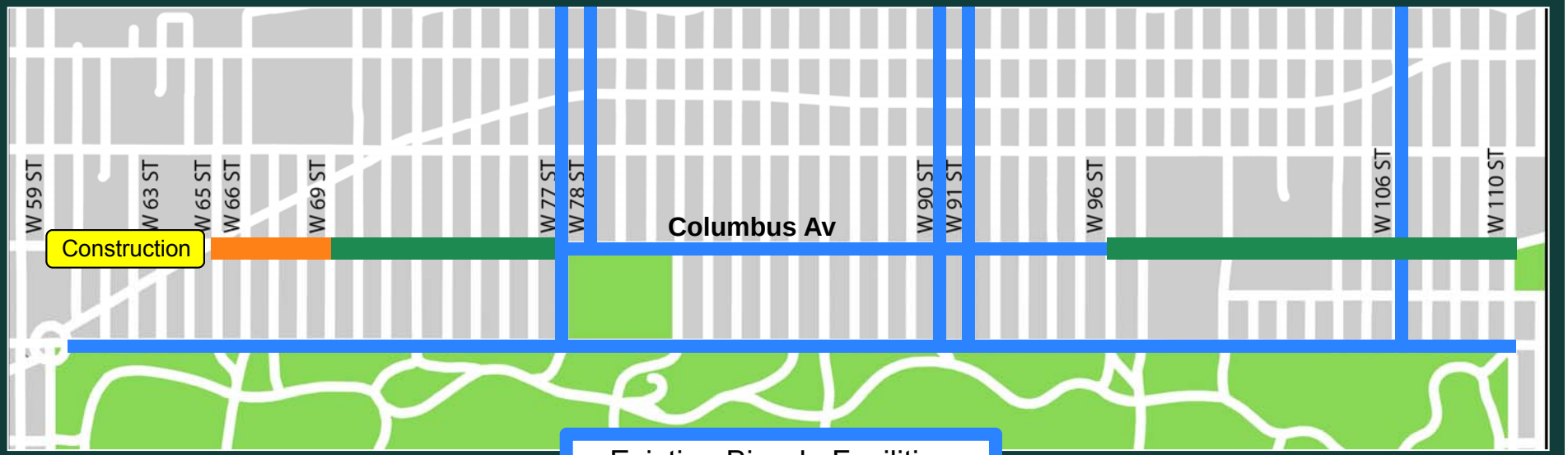
Intersection Treatment/Transition

- Transition from bicycle path to shared lane through intersection

Proposal Summary

Bicycle Path

Shared Lane

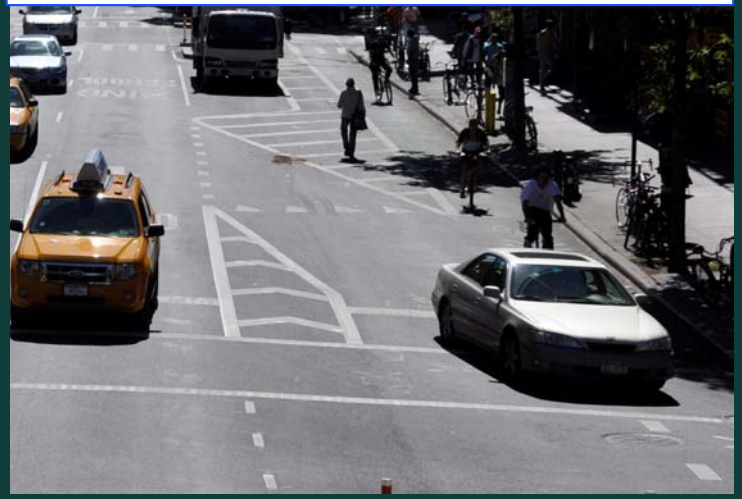


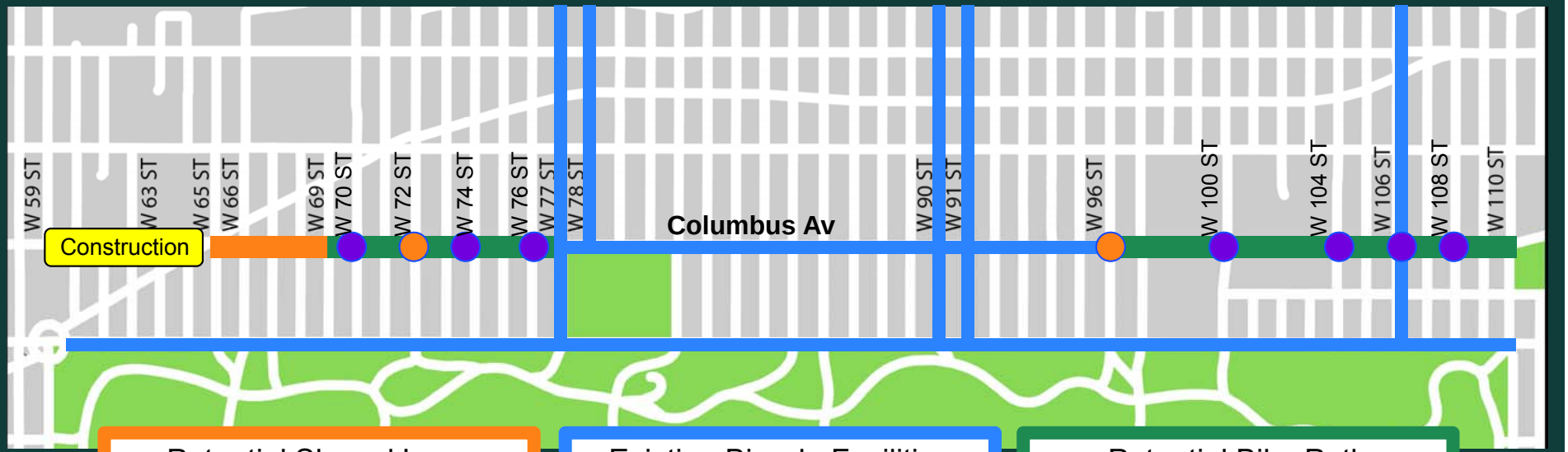
Existing Bicycle Facilities

Turn Treatments

Location of Split Phase

Location of Mixing Zone





Potential Shared Lane

Existing Bicycle Facilities

Potential Bike Path

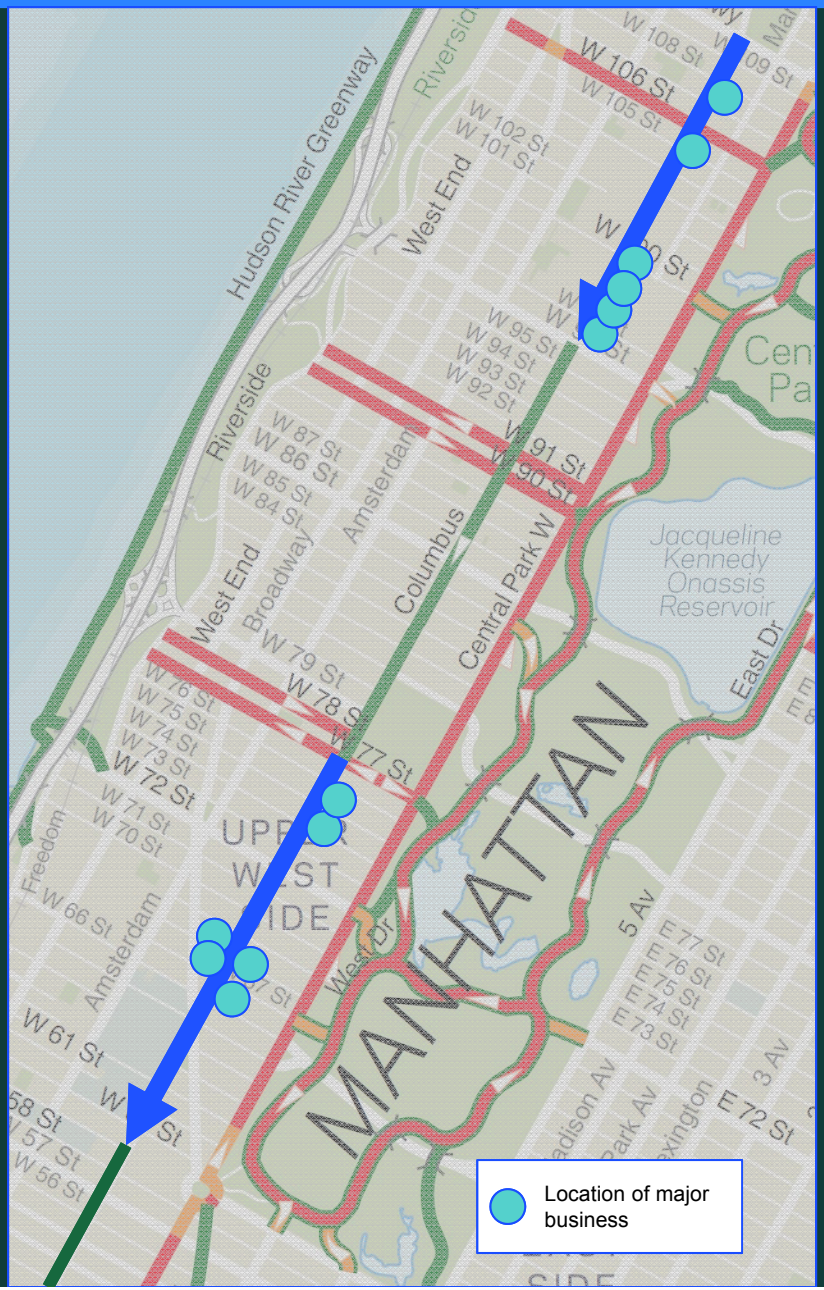
Construction

- DEP water main project: Late 2013 Completion
  - Columbus Ave: Broadway to W 60th St
  - W 60th St: West End Ave to Columbus Ave
  - W 63rd St: Broadway to Columbus
  - W 62nd St: Amsterdam and Columbus
- Fordham University Construction
  - Columbus Ave: W 62nd to W 60th Streets
- Install bicycle path upon completion of construction on Columbus Ave
  - Columbus Ave: W 63rd to W 59th St

Bike Path Construction Detour

- Install temporary path through work zone

Business Outreach



- Working with businesses to review their needs for potential loading regulations
  - 107-108: WS Movers
  - 106-105: NY Plumbing Supply
  - 105-104: Klausner Plumbing
  - 100-99: PETCO, Home Goods
  - 99-98: Modell's
  - 98-97: Duane Reade
  - 97-96: Rite Aid, Sleepy's
  - 76-75: Duane Reade
  - 74-73: Pioneer Supermarket
  - 67-68: 67th St Wine and Spirit
  - 67-68: Reebok Sports Club
  - 67-66: ABC Studio
- Business outreach completed between W 110 St and W 96 St

Proposal Benefits

- Increased safety for all roadway users
- Better continuity of the Bicycle Network, promotes healthy activity
- Reduces traffic congestion approaching Broadway by adding a travel lane
- Shorter Pedestrian Crossings – Helps seniors and children
- Greener Streets – Planting beds on pedestrian islands provide more green space
- Convenient delivery zones for businesses

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Thank You