

Columbus Avenue Bicycle Path and Mobility Enhancements Community Board 7



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



Background

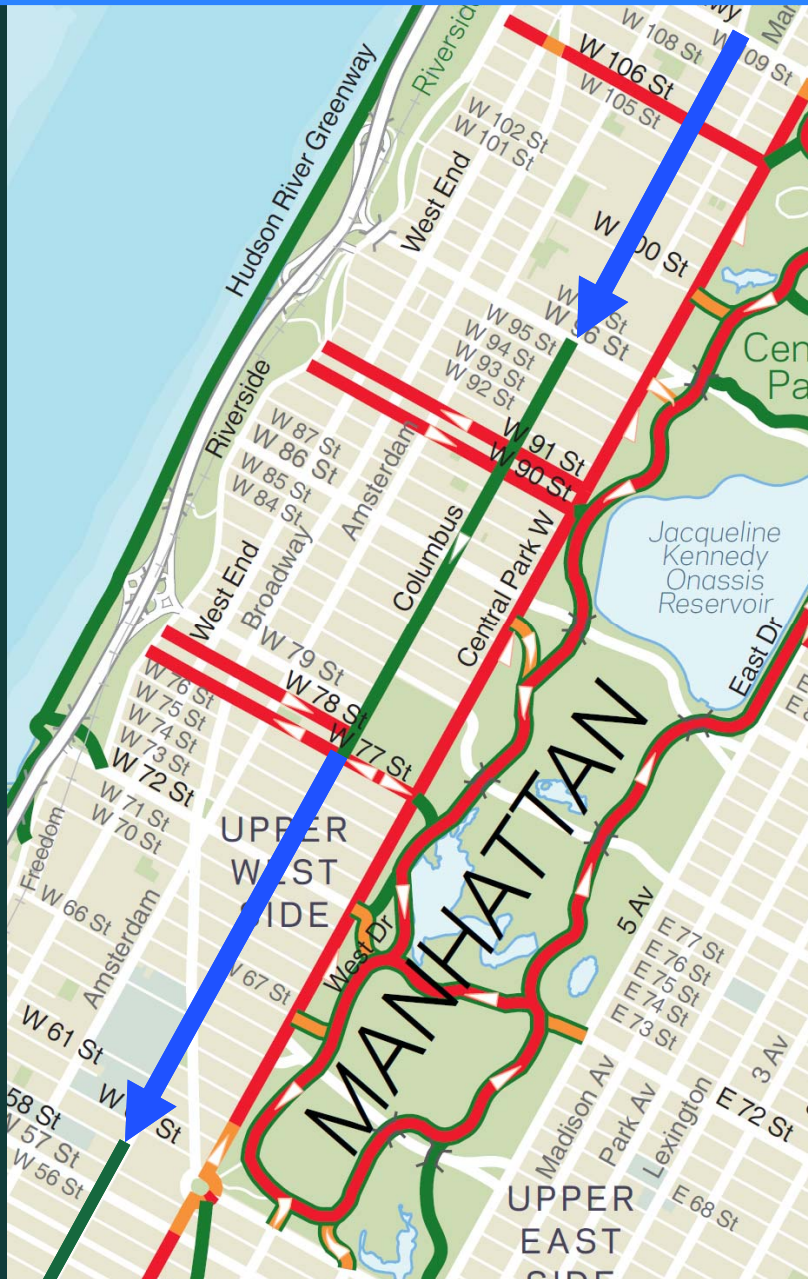


- 2010: Protected bicycle path installed on **Columbus Avenue**
 - W 96th St to W 77th St
 - Worked with the Columbus Avenue Working Group
- 2012: Protected bicycle path installed on **9th Avenue**
 - W 59th St to W 31st St

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



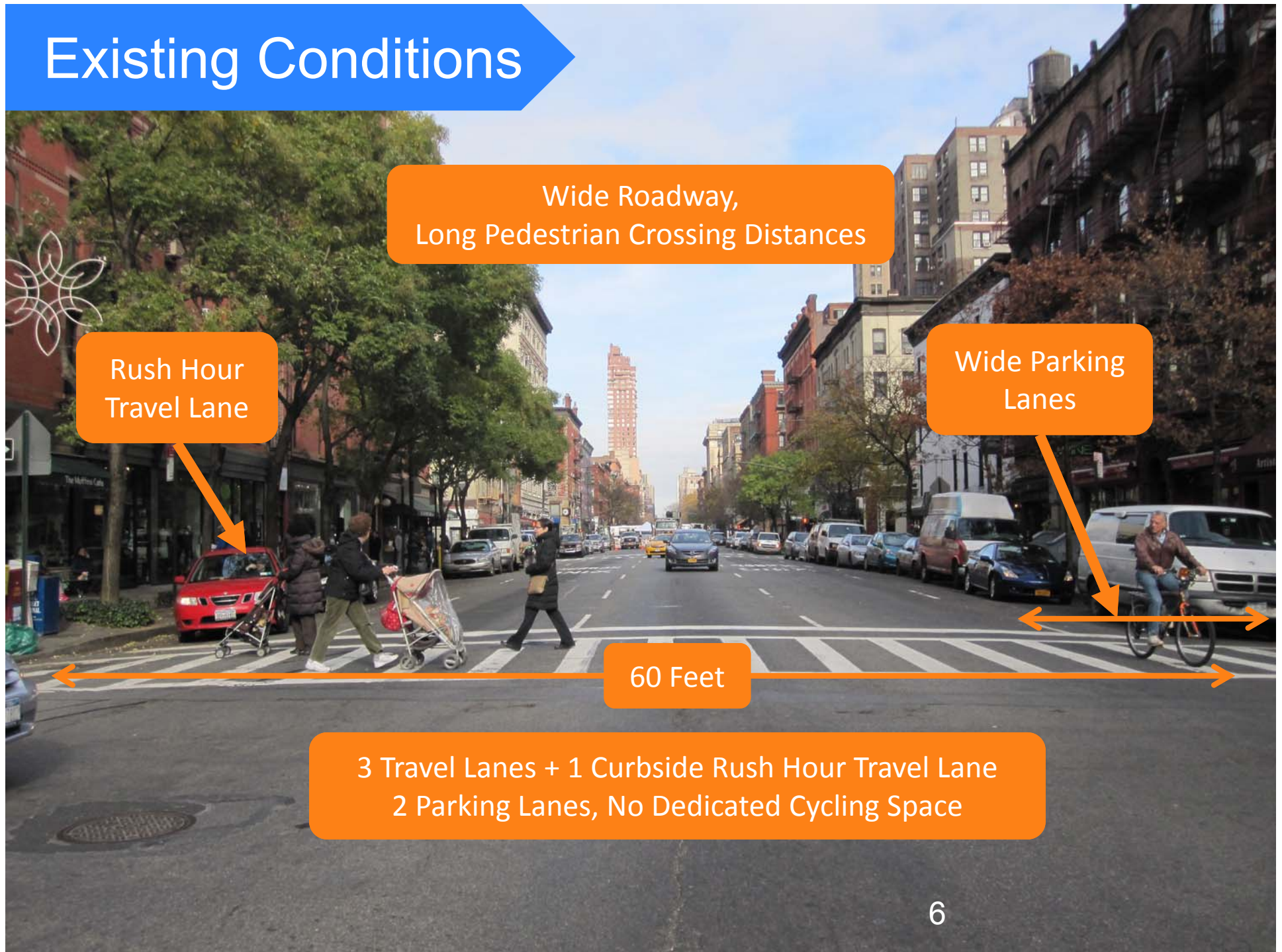
- Extend design on Columbus Avenue
 - W 110 to W 96 Streets
 - W 77 to W 59th Streets
- Provide connections to existing bicycle facilities
 - 106th St
 - 9th Avenue
 - Columbus Avenue
- Tailor design to improve traffic flow in congested areas
- Provide loading zones for businesses with need

Existing Conditions



Columbus Avenue at W 70th St

Existing Conditions

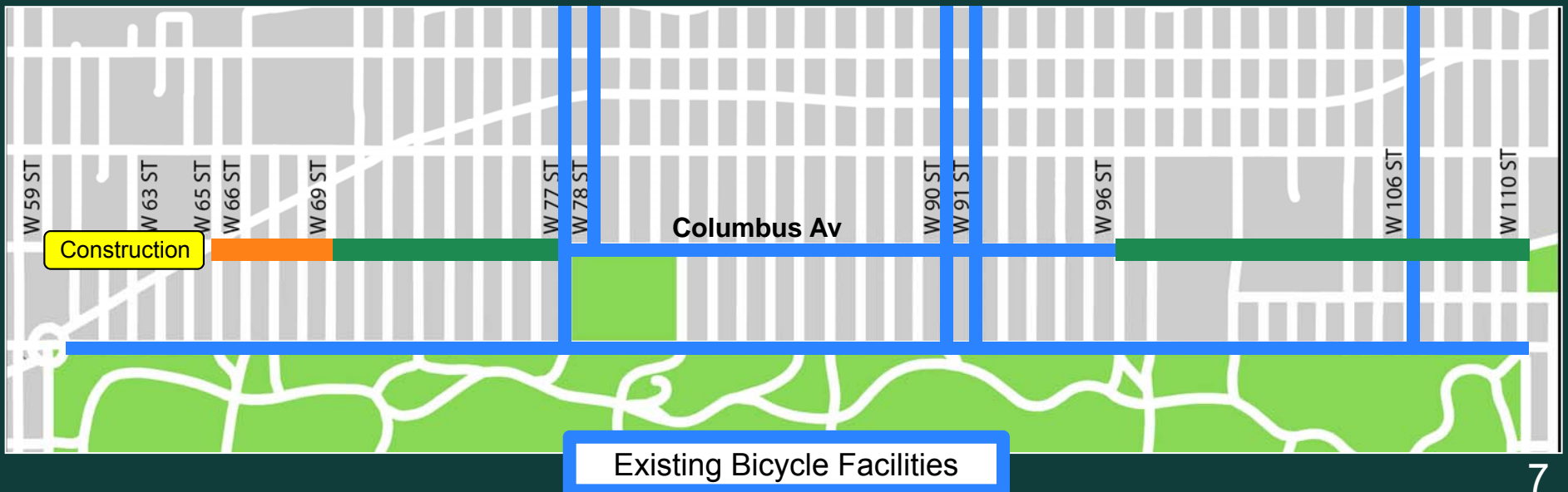


Proposal Summary

Bicycle Path



Enhanced Shared Lane



Design Treatments

Pedestrian Island



Shortens
pedestrian
crossings

Mixing Zone



Safely
accommodates
vehicle/bike
turning conflict

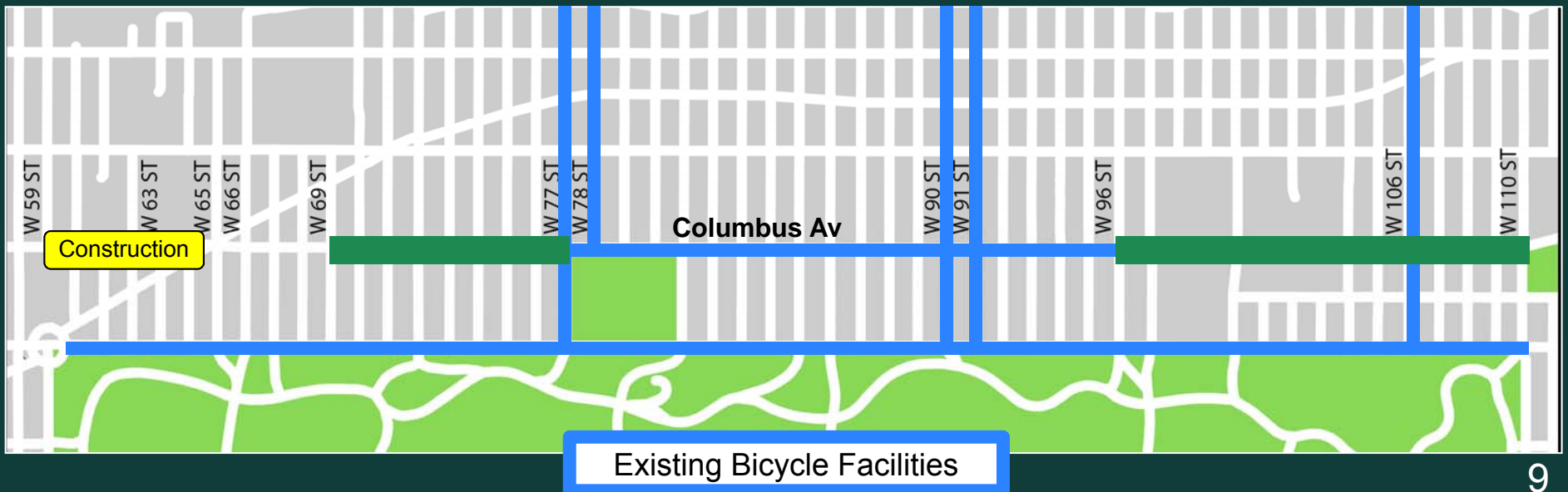
Enhanced Shared Lane



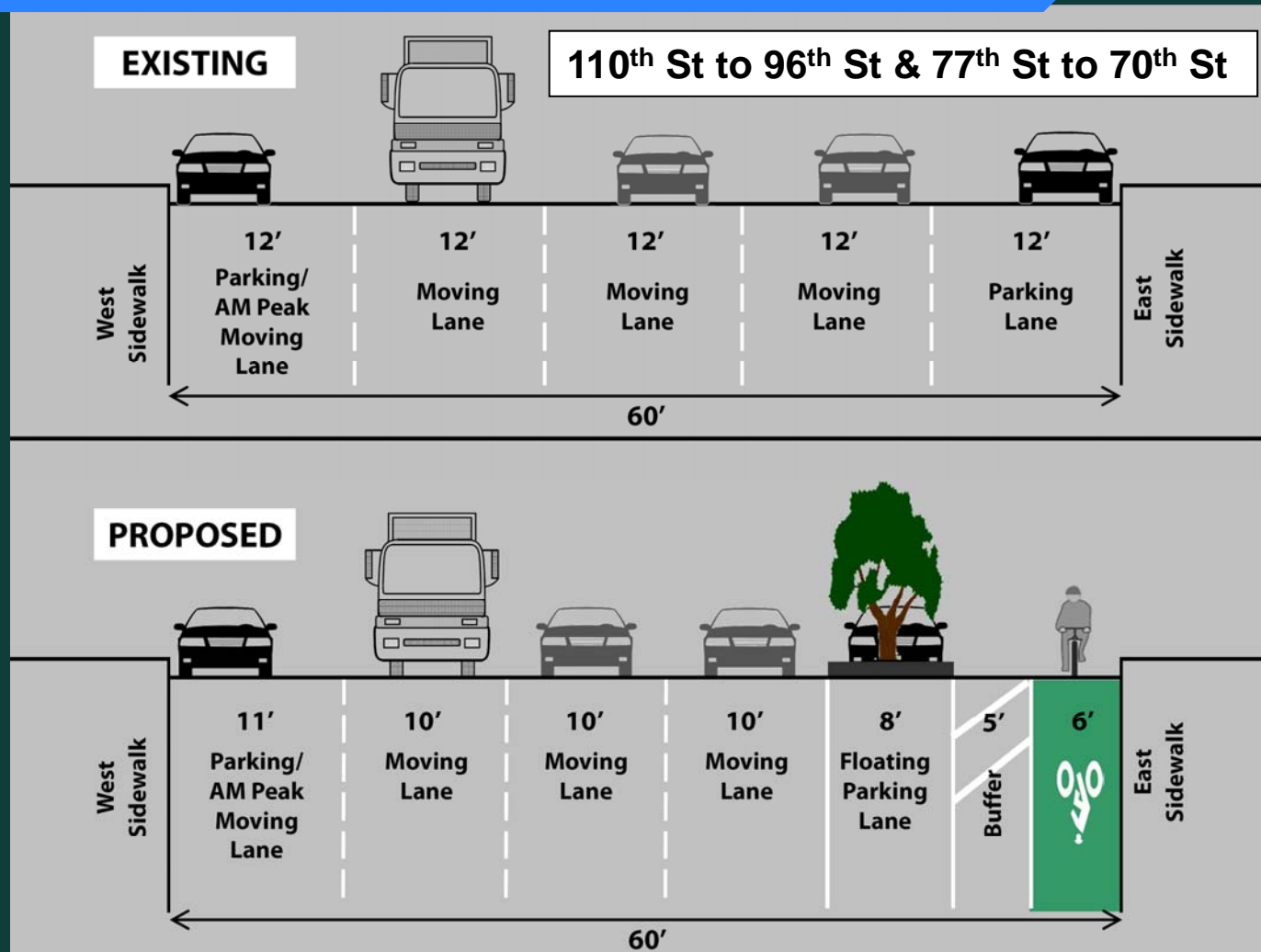
Additional bike
symbols, over head
no passing sign, solid
lane line

Proposal Summary

Bicycle Path



Proposed Roadway Configuration



Peak Hour Volume Compared to Proposed Number of Travel Lanes

| Segment | Planned # of Travel Lanes | Volume** |
|---|---------------------------|------------------------|
| W. 110 th to W. 96 th | 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.) | | |
|---|---------------------------------------|--------------------------------------|------------|
| | 110 th to 96 th | 77 th to 65 th | 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



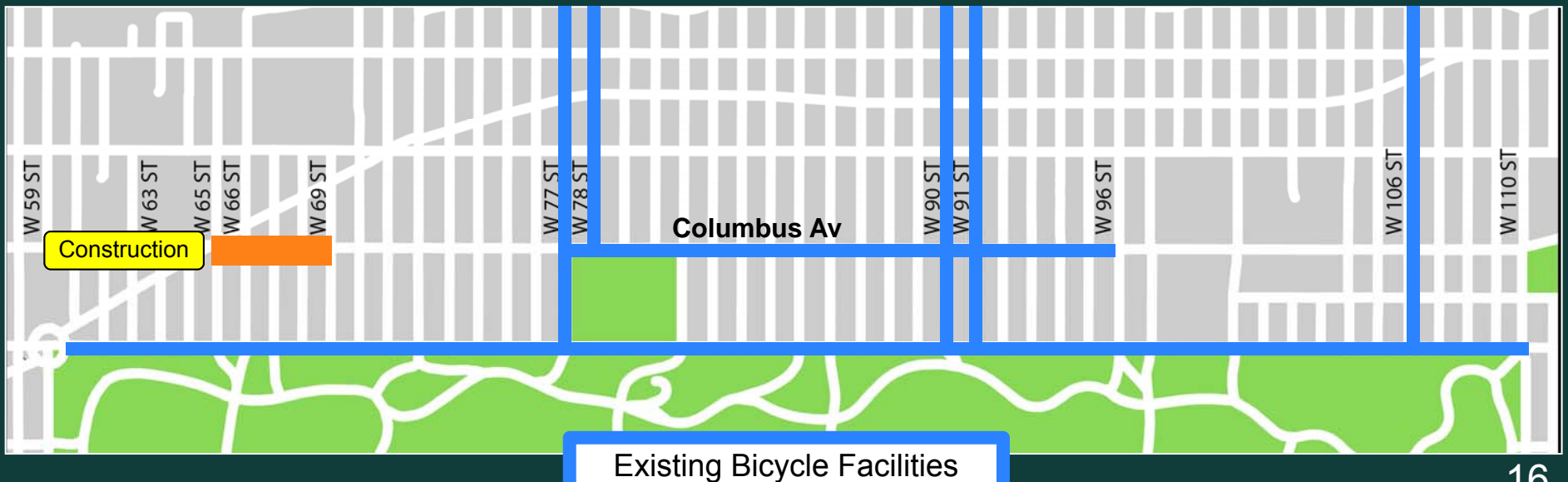
Existing Conditions: Columbus Ave



Columbus Avenue at W 68th St Facing South

Proposal Summary

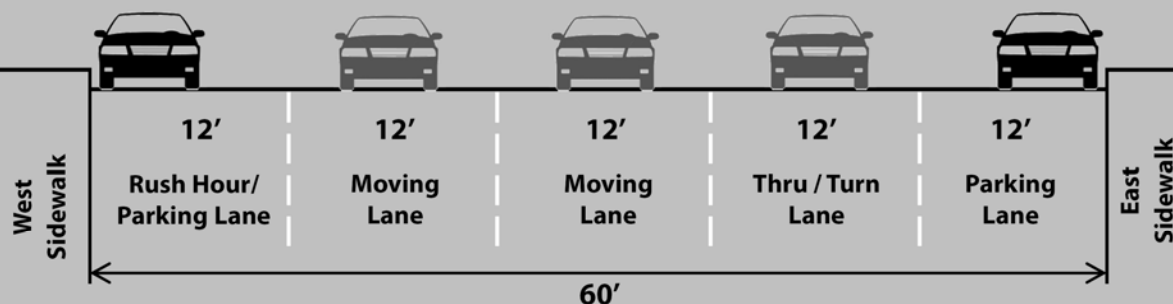
Shared Lane



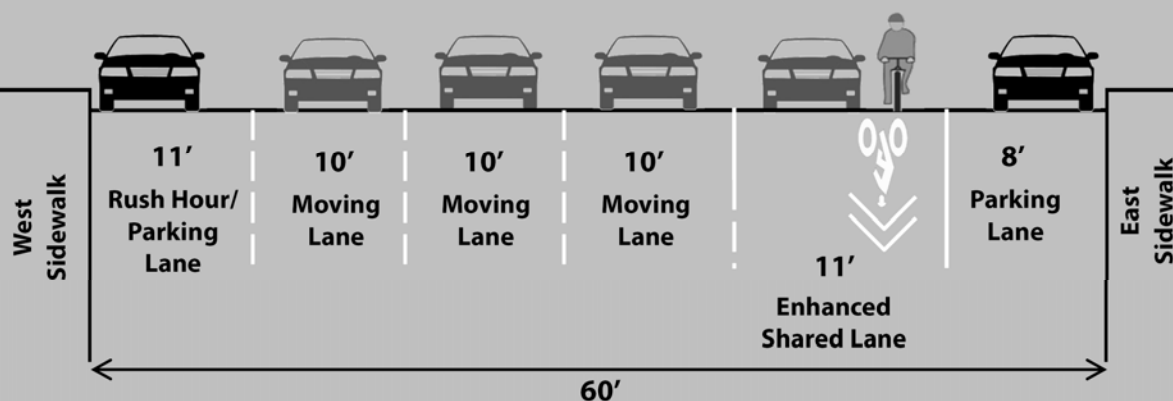
Proposed Roadway Configuration

EXISTING

Columbus Ave: W 69th to W 66th St



PROPOSED



- Add 1 travel lane

Peak Hour Volume Compared to Proposed Number of Travel Lanes

| Segment | Planned # of Travel Lanes | Volume** |
|--|---------------------------|--------------------------|
| W. 66 th to W. 65 th | 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



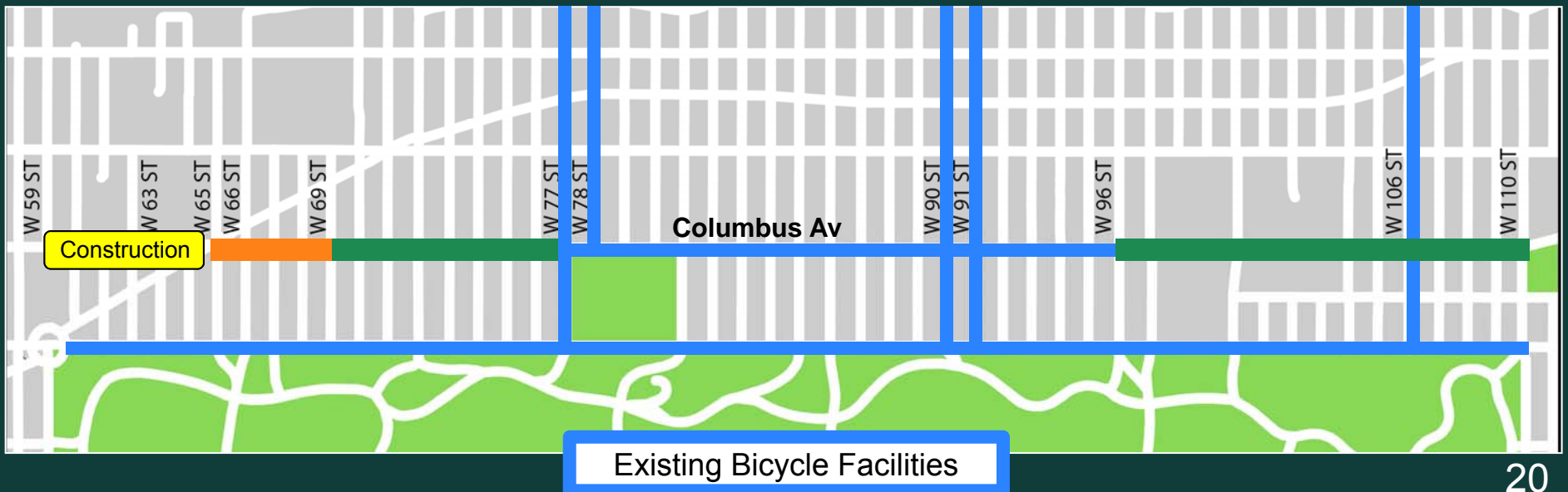
- Transition from bicycle path to shared lane through intersection

Proposal Summary

Bicycle Path



Shared Lane

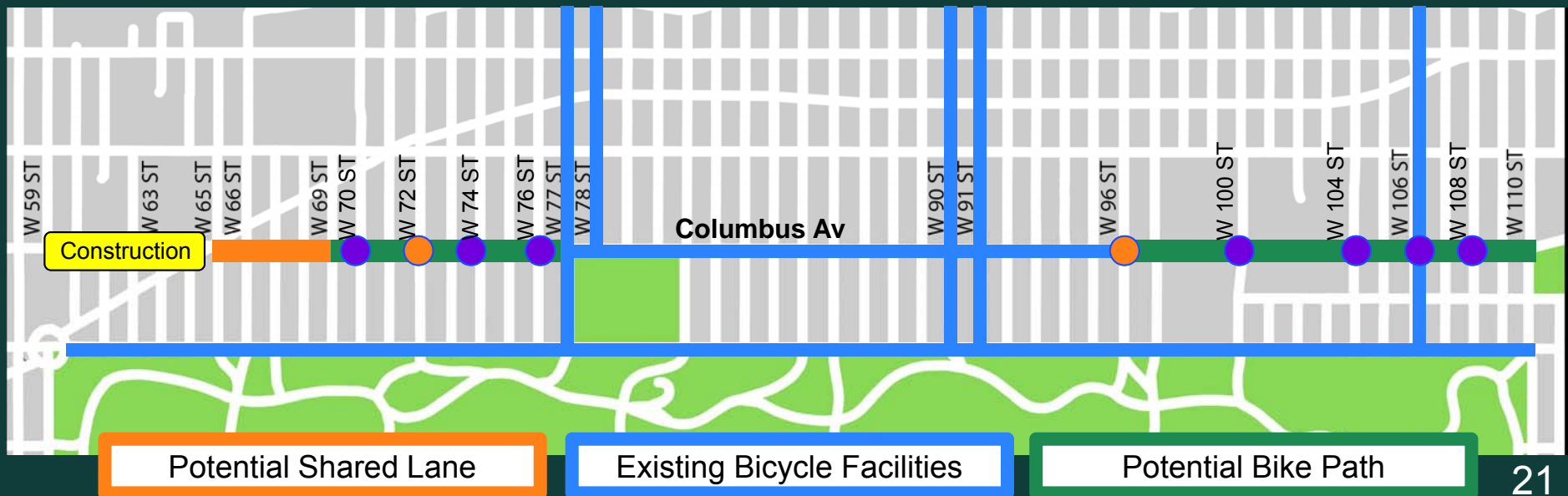


Turn Treatments

● Location of Split Phase



● Location of Mixing Zone



Construction

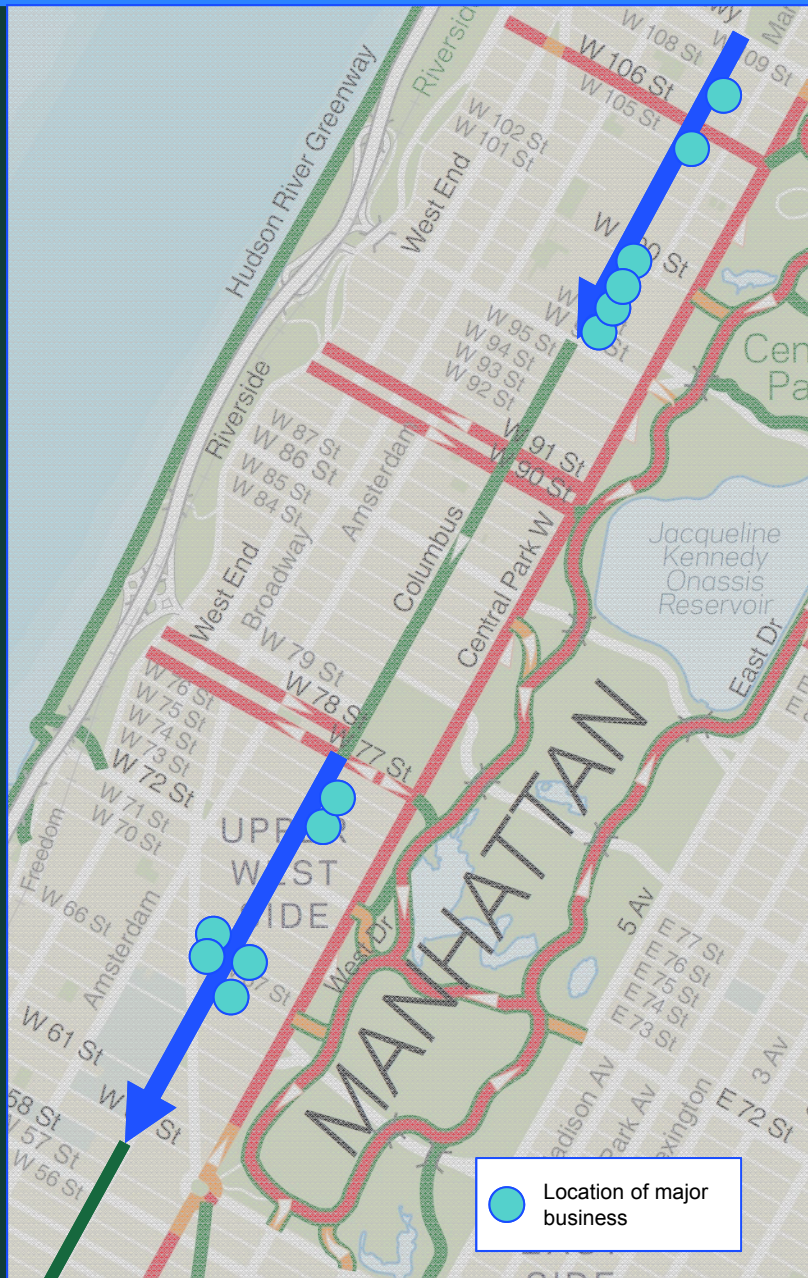
- DEP water main project: Late 2013 Completion
 - Columbus Ave: Broadway to W 60th St
 - W 60th St: West End Ave to Columbus Ave
 - W 63rd St: Broadway to Columbus
 - W 62nd St: Amsterdam and Columbus
- Fordham University Construction
 - Columbus Ave: W 62nd to W 60th Streets
- Install bicycle path upon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

Bike Path Construction Detour



- Install temporary path through work zone

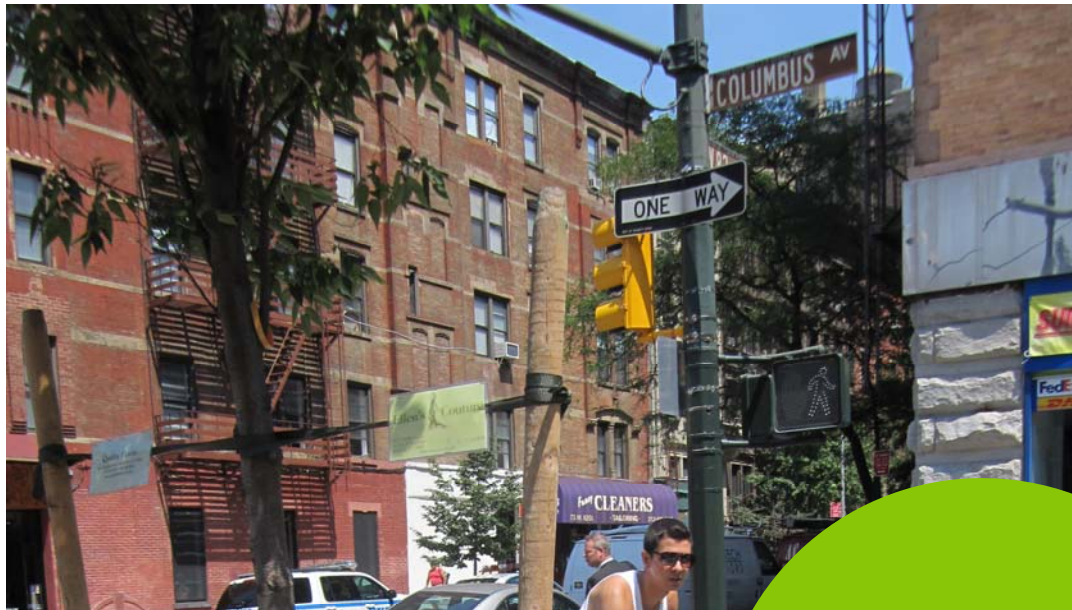
Business Outreach



- 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

