3RD ST, 4TH ST, 6TH AVE TO AVE D
TRAFFIC CALMING AND BIKE LANES

New York City Department of Transportation

Presented by the Bicycle and Greenway Program to CB 2 Transportation Committee on July 12, 2018
# 3rd St, 4th St: Traffic Calming and Bike Lanes

## Project Background

<table>
<thead>
<tr>
<th>Request for Traffic Calming</th>
<th>Growth in Cycling</th>
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<tbody>
<tr>
<td>- Traffic calming proposal presented by private citizen to CB 2 in 2017</td>
<td>- Citywide growth</td>
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<td>- Over 660 signatures on on-line and off-line petition</td>
<td>- Neighborhood Citi Bike use</td>
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<td>- NYU letter to DOT in support of petition</td>
<td>- Anticipated growth in cycling due to L train shut down</td>
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### Cycling in Numbers

- **450,000 bike trips per day** (2016)
- **80% growth in daily cycling trips** (2011-2016)

**High Citi Bike usage:**

- **696,000 trips in CB 2** (July to September 2017)
- **543,000 trips in CB 3** (July to September 2017)
3rd, 4th St (6th Ave to Ave D)
Injury Summary, 2012-2016 (5 years)

<table>
<thead>
<tr>
<th>Total Injuries</th>
<th>Severe Injuries</th>
<th>Fatalities</th>
<th>KSI</th>
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<tbody>
<tr>
<td>Pedestrian</td>
<td>89</td>
<td>13</td>
<td>0</td>
</tr>
<tr>
<td>Bicyclists</td>
<td>58</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>Motor Vehicle Occupant</td>
<td>112</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>259</td>
<td>29</td>
<td>0</td>
</tr>
</tbody>
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Fatalities, 01/01/2012 – 02/05/2018: None

Project Goals:

- Build on previous safety improvements
- Expand and improve the bike network

Provide clear, continuous E-W connection from Washington Sq Park to East Village and East River

5 Citi Bike Stations along proposed route

Street redesigns provide opportunity to improve safety for all road users: cyclists, pedestrians and drivers

Source: Fatalities: NYCDOT. Injuries: NYSDOT. KSI: Persons killed or severely injured
PROPOSAL: STANDARD BIKE LANES
Roadway segments 30+ feet wide

Bike Lanes:
• Calm traffic by visually narrowing roadway
• Organize roadway, improve alignment and visibility
• Provide dedicated space for cyclists

EXISTING
North Sidewalk
30’ Combined Travel / Parking Lane
South Sidewalk

PROPOSED
North Sidewalk
17’ Combined Travel Lane
5’ Parking Lane
South Sidewalk
3rd St, 4th St: Traffic Calming and Bike Lanes

PROPOSAL: Design Elements

8th Street, Manhattan
PROPOSAL: SHARED LANE MARKINGS
Roadway segments less than 30 feet wide

Shared Lanes:
- Provide wayfinding
- Alert motorists to the presence of cyclists

3rd St (Broadway and Mercer, La Guardia Pl and Macdougal St)
PROPOSAL: Design Elements
PROPOSAL: PROTECTED BIKE LANE
3rd St, LaGuardia Pl to Mercer St

- Calm traffic by physically narrowing roadway
- Provide dedicated space for cyclists

Dimensions may change depending on engineering review
PROPOSAL: PAINTED PEDESTRIAN SPACE
3rd St, between Mercer St and LaGuardia Pl

EXISTING

Pedestrian Improvements
- Calms traffic
- Shortens pedestrian crossing
- Improves visibility
- New speed bump

PROPOSED
Lafayette Street, Manhattan
PROPOSAL: PARKING REGULATION
3rd St, between Mercer St and LaGuardia Pl

EXISTING

PROPOSED

Curb Regulations

- Allows for commercial un/loading
- Improves curb access by encouraging turn over
- Maintains overnight parking
PROPOSAL: CURBSIDE BIKE LANE
3rd St, MacDougal St to 6th Ave

Curbside Buffered Bike Lane:
- Dedicated space for cyclists along curb
- Shifts parking from south to north curb to maintain alignment
- No Parking Loss

EXISTING
- 28’ Combined Travel / Parking Lane

PROPOSED
- 9’ Parking Lane
- 10’ Travel Lane
- 6’ Buffer

3rd St (MacDougal St to 6th Ave)
PROPOSAL: Design Elements

Church Street, 6th Avenue and Washington Square, Manhattan
SUMMARY OF BENEFITS

Organizes the roadway to improve safety for all modes

- Discourages speeding
- Creates more visible, safer pedestrian crossings
- Increases predictability of cyclist location
- Dedicated space for cyclists
- Closes gaps in bike network

Street redesigns provide opportunity to improve safety for all road users: cyclists, pedestrians and drivers
ADDITIONAL COMMUNITY REQUESTS:

New mid-block pedestrian crossing on:
1. Bleecker St and Wooster St (3 Washington S): study scheduled for September, 2018

Potential neckdowns and curb extensions on:
2. Bleecker St between Laguardia Pl and Wooster St: maintenance partner required

Parking regulation adjustments to improve curb access on:
THANK YOU!

Questions?