

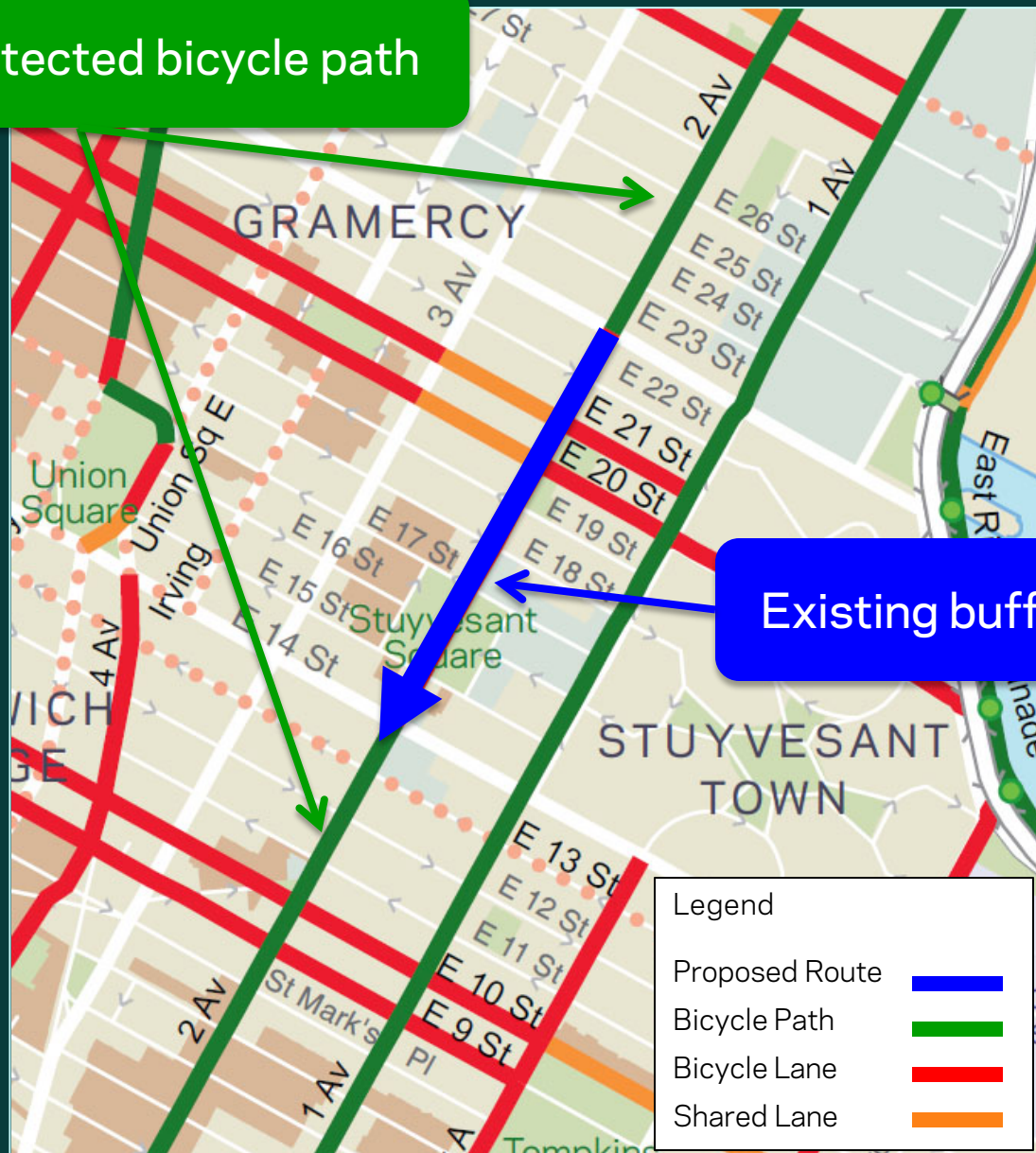
2nd Avenue Parking-Protected Bicycle Path Upgrade



Commissioner Janette Sadik-Khan New York City Department of Transportation
Presented to Manhattan CB 6 on October 7, 2013

Project Background

Existing protected bicycle path



Existing buffered bicycle lane

Legend

Proposed Route



Bicycle Path



Bicycle Lane



Shared Lane



Project Background

- June 2010: Implementation of curbside bike lane
- September 2013: Proposal to upgrade the bike lane to a parking-protected path
 - Presented proposal to CB 6
 - Conducted business outreach
 - Field meeting with members of CB 6

Existing Conditions

2nd Ave Mid-Week Hourly Vehicle Volumes
Between 15th and 14th Street

	2011	2013	% change
AM Peak (7am-8am)	1,625	1,434	-11.8%
Midday Peak (12pm-1pm)	1,741	1,339	-23.1%
PM Peak (6pm-7pm)	1,998	1,693	-15.3%

Note: 2011 volume is from April, 2013 volume is from August. Both are seasonally adjusted.

2nd Avenue at E 18th St

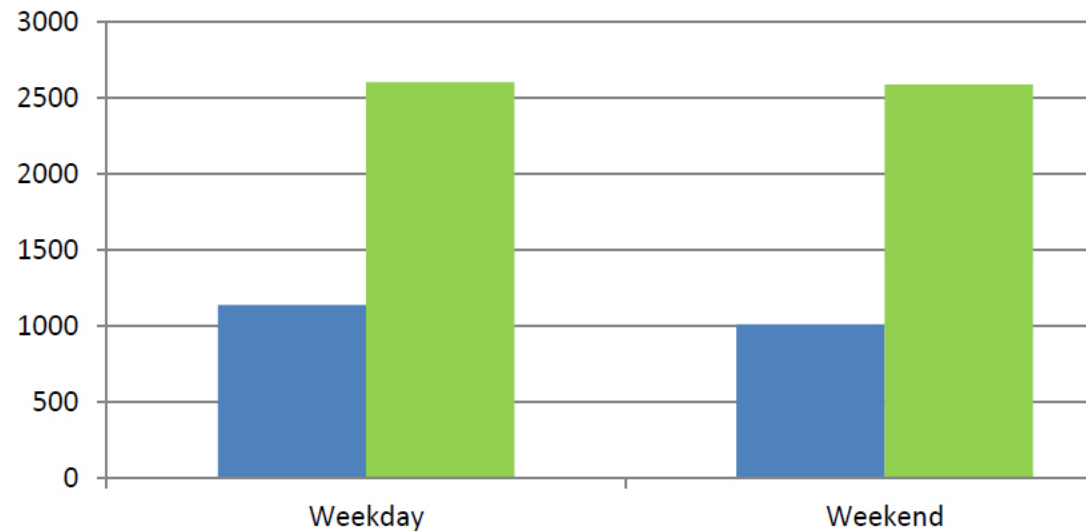
Existing Conditions



Bicycle Volume 7am - 7pm

2nd Avenue between 22nd St and 21st St

■ 2011 ■ 2013



Bicycle volume from 2011 is averaged from weekday and weekend counts taken from April to November. Bicycle volume from 2013 is averaged from weekday and weekend count taken in August and September.

2nd Avenue at E 15th St

Existing Conditions

4 Travel Lanes
1 Bus Lane
1 Bike Lane

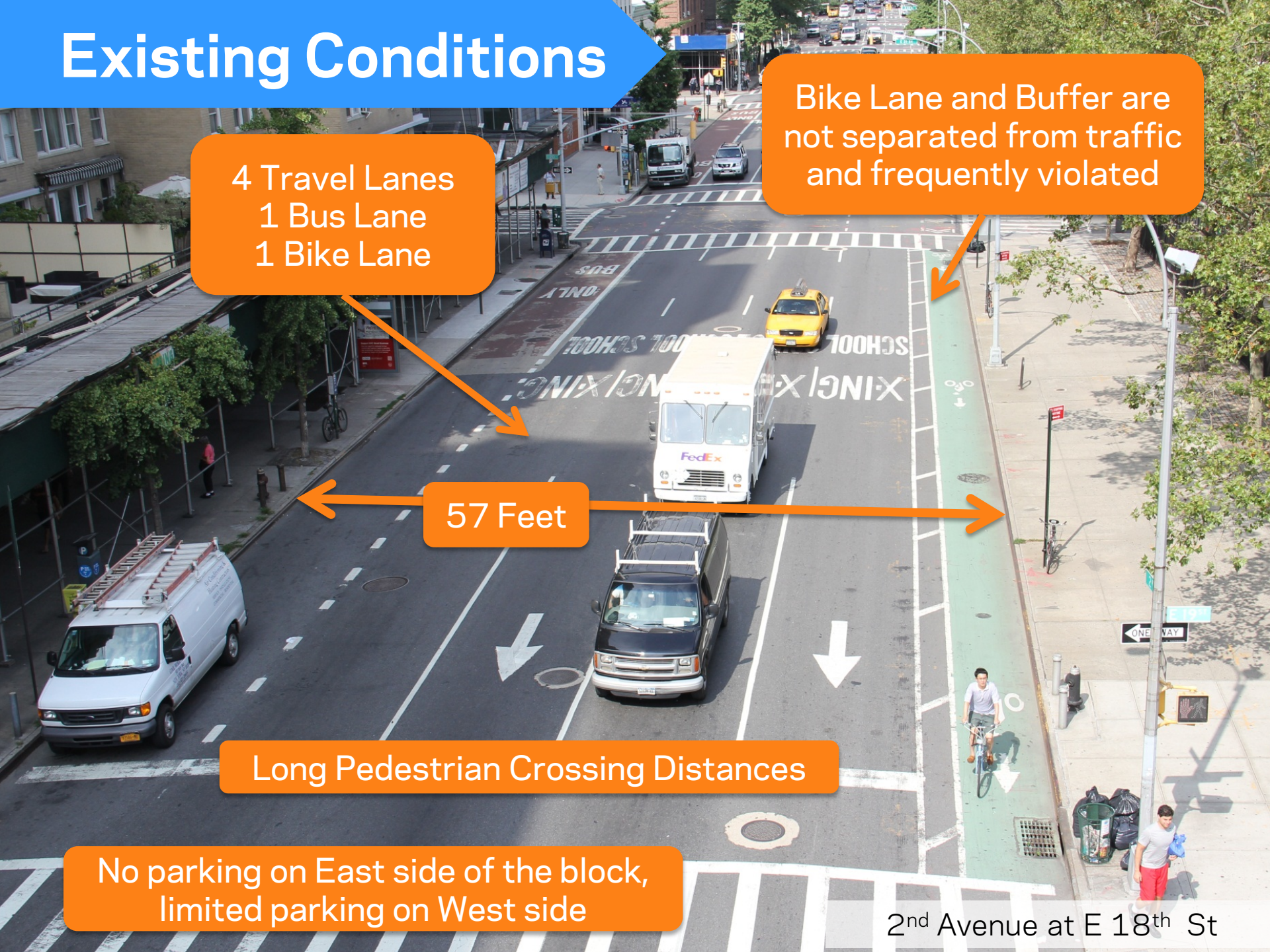
Bike Lane and Buffer are not separated from traffic and frequently violated

57 Feet

Long Pedestrian Crossing Distances

No parking on East side of the block,
limited parking on West side

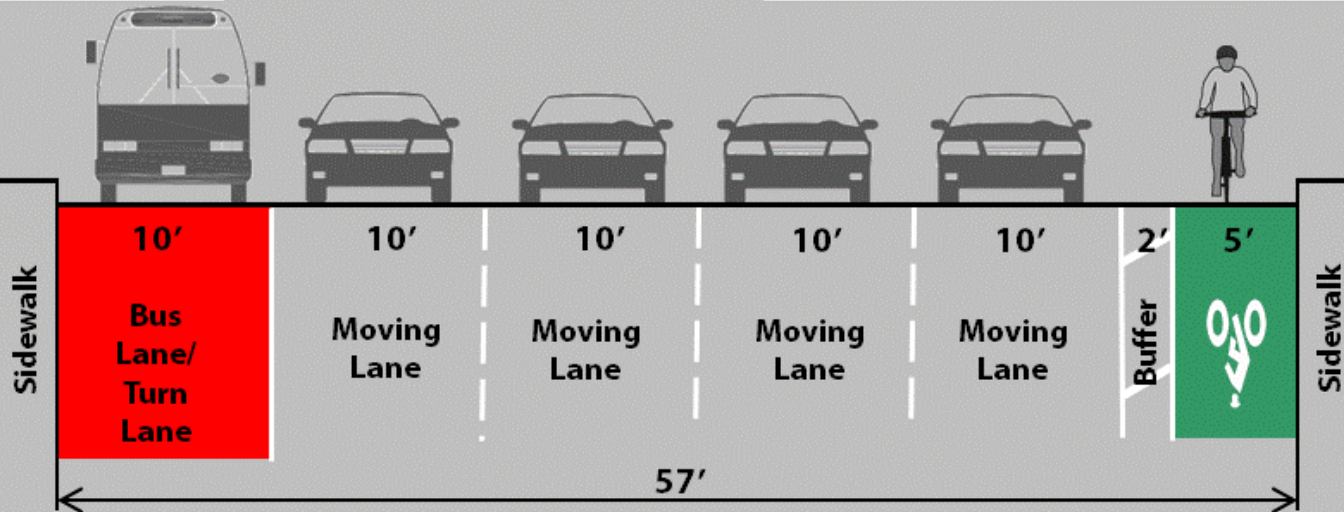
2nd Avenue at E 18th St



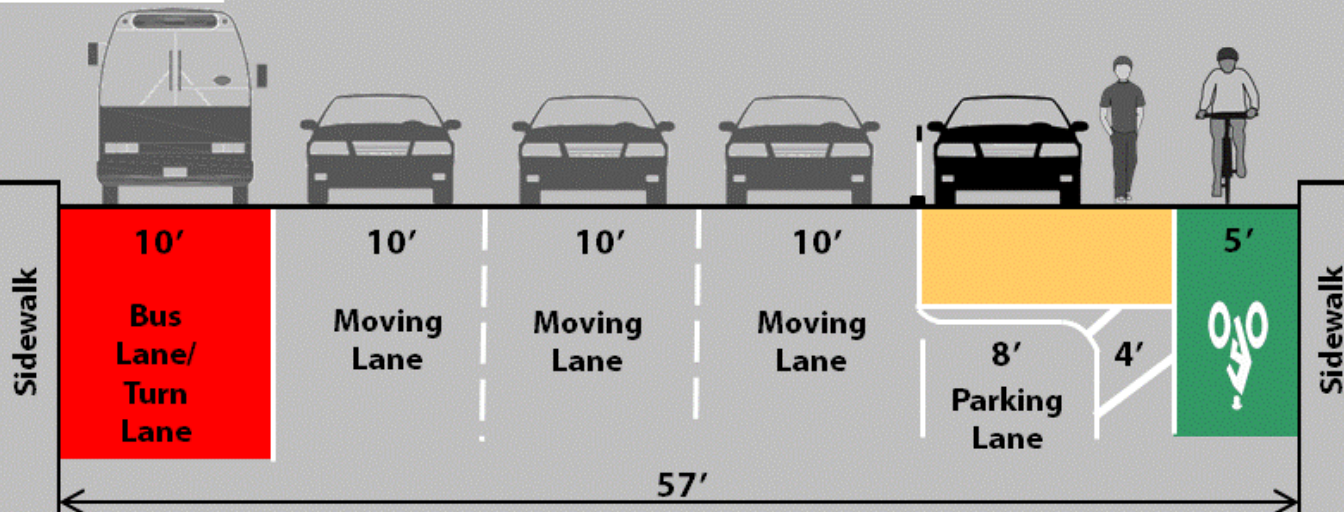
Proposed Configuration

EXISTING

2nd Avenue: 23rd St to 14th St



PROPOSED



Level of Service

2nd Avenue at 23rd Street - Peak Hours Traffic volume is from August 2013 and was taken between 24th Street and 23rd Street. The data was seasonally adjusted.									
		Existing				Proposed			
Street Name	Cross Street	# of lanes	# of cars	Avg. Delay	LOS	# of lanes	# of cars	Avg. Delay	LOS
2nd Ave (with Bus Lane)	23rd St	4 + LT + RT	2,236	11.0	B	3 + LT + RT	2,236	13.2	B
2nd Ave (w/o Bus Lane)	23rd St	4 + LT	2,236	12.0	B	3 + LT	2,236	16.2	B

Proposed Design



3 Travel Lanes
1 Bus Lane
1 Bike Lane
1 Parking Lane

Parking protected bike
lane with widened buffer

Over 35 parking space
equivalents on East side
of the block

Shorter Pedestrian
Crossing Distances

2nd Avenue at E 7th St

Benefits of Proposed Design

- Curbside access
- Improves safety
- Simpler, safer left turns
- Creates a continuous protected path

2nd Avenue at E 2nd St

Questions?

**Thank
You**