

Lexington Avenue

Pedestrian Safety Improvement Project

2011



Project Background

In New York City, left-turning vehicles are responsible for three (3) times more pedestrian killed or seriously injured crashes when compared to right-turning vehicles.



Project Details

“Daylight” left turns on east side of Lexington Avenue from E. 59th Street to E. 21st Street

Provide clear curb lane on left side of Lexington Avenue approaching intersections where left turns are permitted

- Improves pedestrian safety and visibility to left-turning drivers
- Removes 4% (15) of parking spaces over 1.9 miles
- Generally removes one space every two blocks



Project Need: Lexington Avenue

Of long one-way avenues in Manhattan, Lexington Avenue has the highest number of pedestrians per intersection struck while crossing with the “Walk” signal.



Project Need: Lexington Avenue (cont'd)

On Lexington Avenue, 2/3 of all pedestrians struck while crossing with a signal were struck by left-turning vehicles.

(71 pedestrians, 2004-2008 - E. 125 to E. 21st)

Lexington Avenue E 59 St to E 21 St
(2005-2009) Injuries by Mode

	Total Injuries	Avg Inj/Yr	Avg Inj/Mile/Yr
Pedestrian	205	41	21.6
Bicyclist	76	15.2	8
Motor Veh Occupant	343	68.6	36.2
Total	624	124.8	65.8

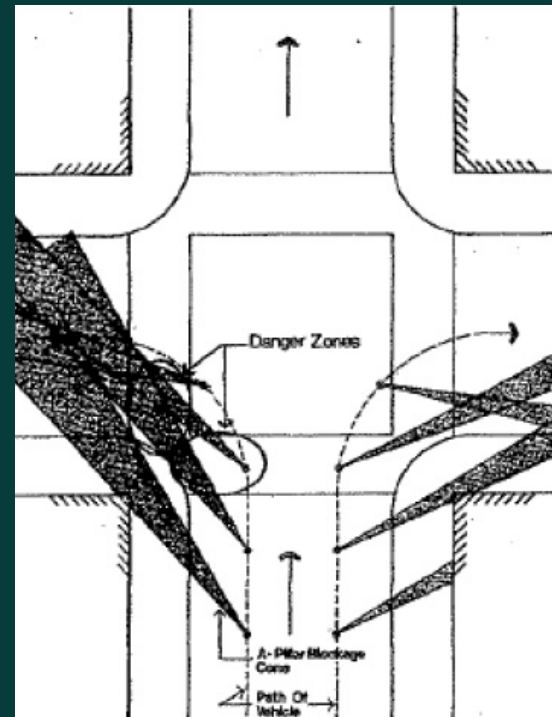
Fatalities by Mode
(2005-Present):

- 2 Pedestrians
- 0 Other Modes

Need: Daylighting Left Turns

Driver position on left side of vehicle limits visibility of pedestrians crossing with the signal

- “A-pillar” between windshield and driver window creates blind spot
- Parked vehicles block crosswalk view longer on left side than on right side
- “A-pillar” blind spot tracks with a pedestrian crossing in the same direction the vehicle is moving.



Benefits of Proposal

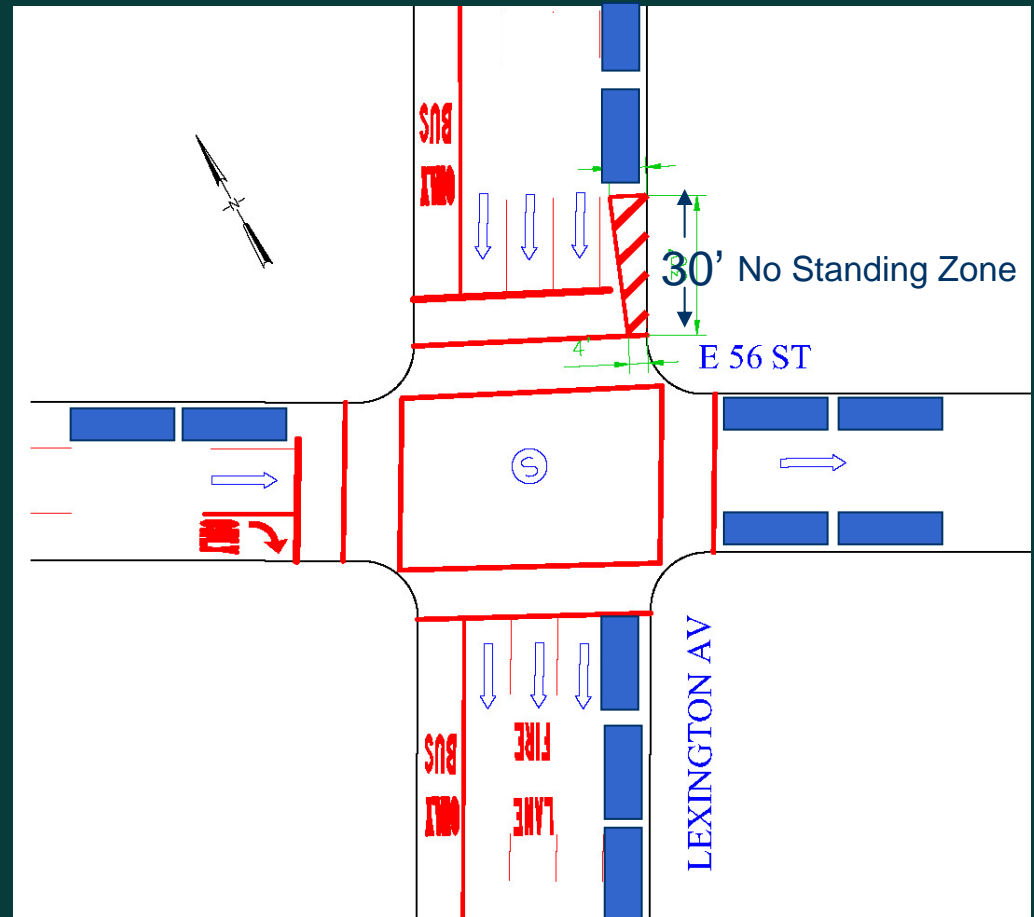
Maintains existing traffic patterns/capacity, while also:

- Improving pedestrian safety
- Reducing number of crashes involving left-turning vehicles
- Improving sightlines for drivers
- Enhancing mutual visibility for pedestrians and drivers



Proposal Details

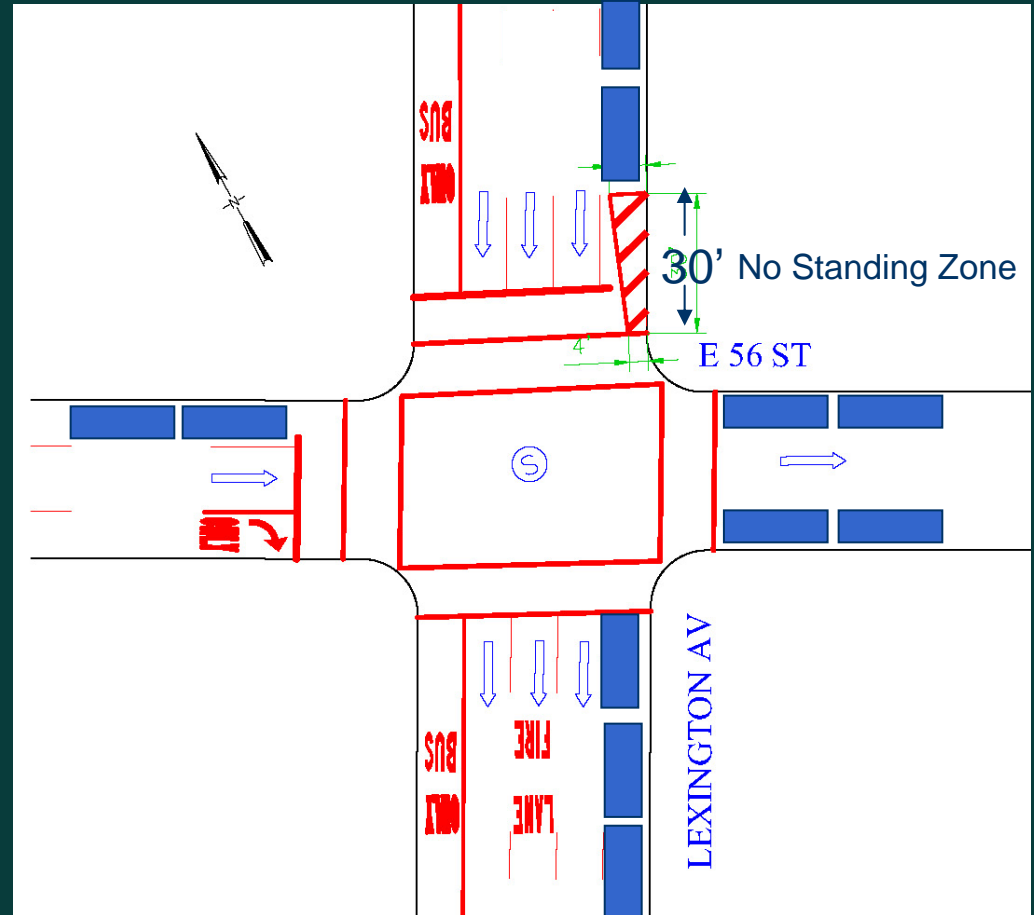
- On east side of Lexington Avenue, “Daylight” 30’ from each intersection at which a left turn is permitted by installing No Standing regulations
- Some locations already No Standing
- To improve safety, 4% of parking spaces to be removed:
 - 15 total parking spaces over 1.9 miles (38 blocks)
 - Generally one space every 2 blocks, except where already hydrant or No Standing



Proposal Locations

Blocks affected by parking removal:

- E. 57th St (1 space)
- E. 56th St (1 space)
- E. 54th St (1 space)
- E. 52nd St (1 space)
- E. 50th St (1 space)
- E. 48th St (1 space)
- E. 46th St (1 space)
- E. 44th St (1 space)
- E. 40th St (1 space)
- E. 36th St (1 space)
- E. 34th St (1 space)
- E. 32nd St (2 spaces)
- E. 23rd St. (2 spaces)



Questions?

**Thank
You**

For further information:

Manhattan Borough Commissioner's Office

cchattergoon@dot.nyc.gov