

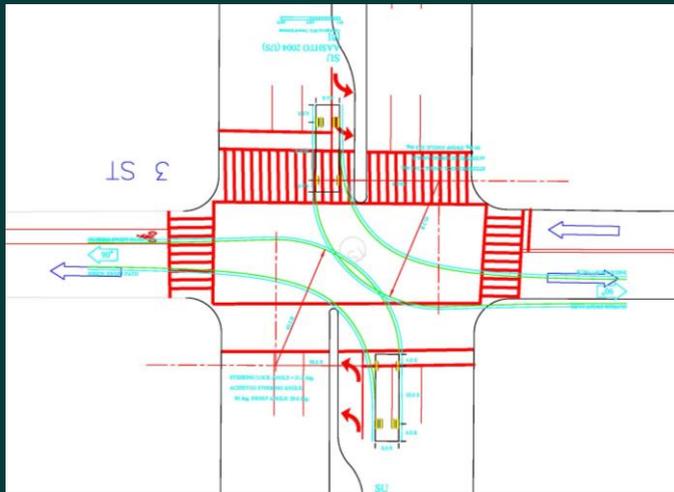
4th Avenue at 3rd and 5th Streets

Corridor Safety Improvements

2013



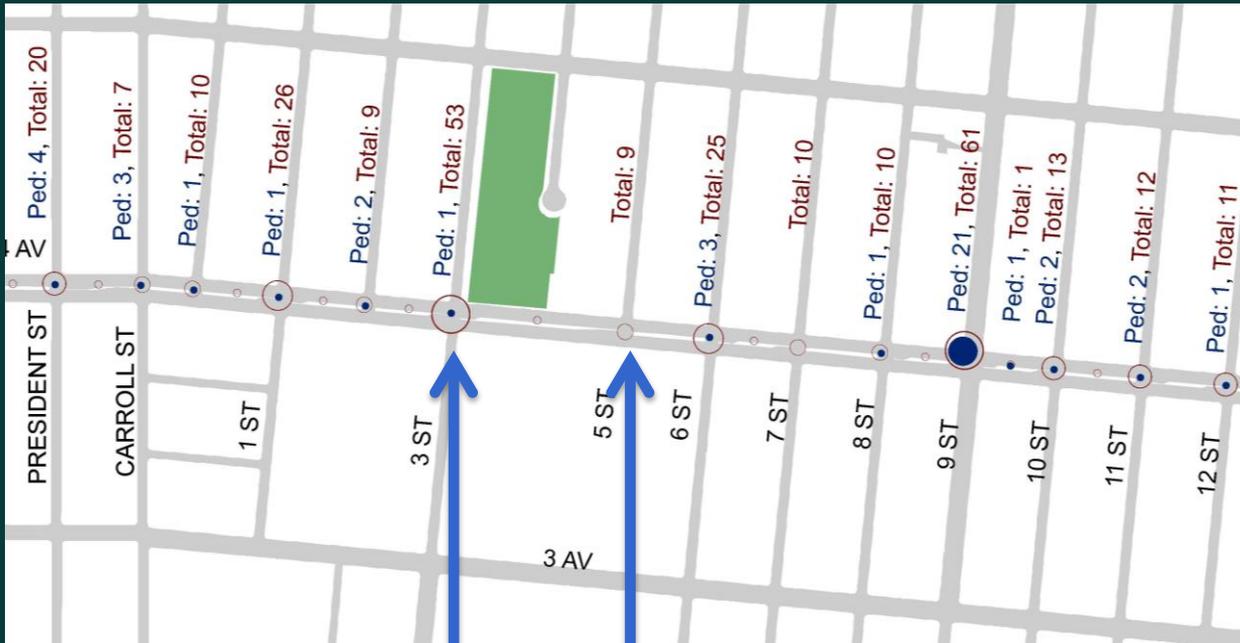
Opposing Left Turns: 3rd St



3rd St SB near MS51, JJ Bryne Playground

- At narrow cross streets, left turns off 4th Ave cross paths
- Conflicting left turn radii causes motor vehicle injuries
- NB left at 3rd St has a signal phase, and higher turn volume
 - 124 NB lefts (peak AM), and 24 SB lefts (peak AM)
- Banning the SB left at 3rd makes the NB left safer and creates space for a 19' wide refuge in the north crosswalk

3rd St: 5x more injuries than 5th St

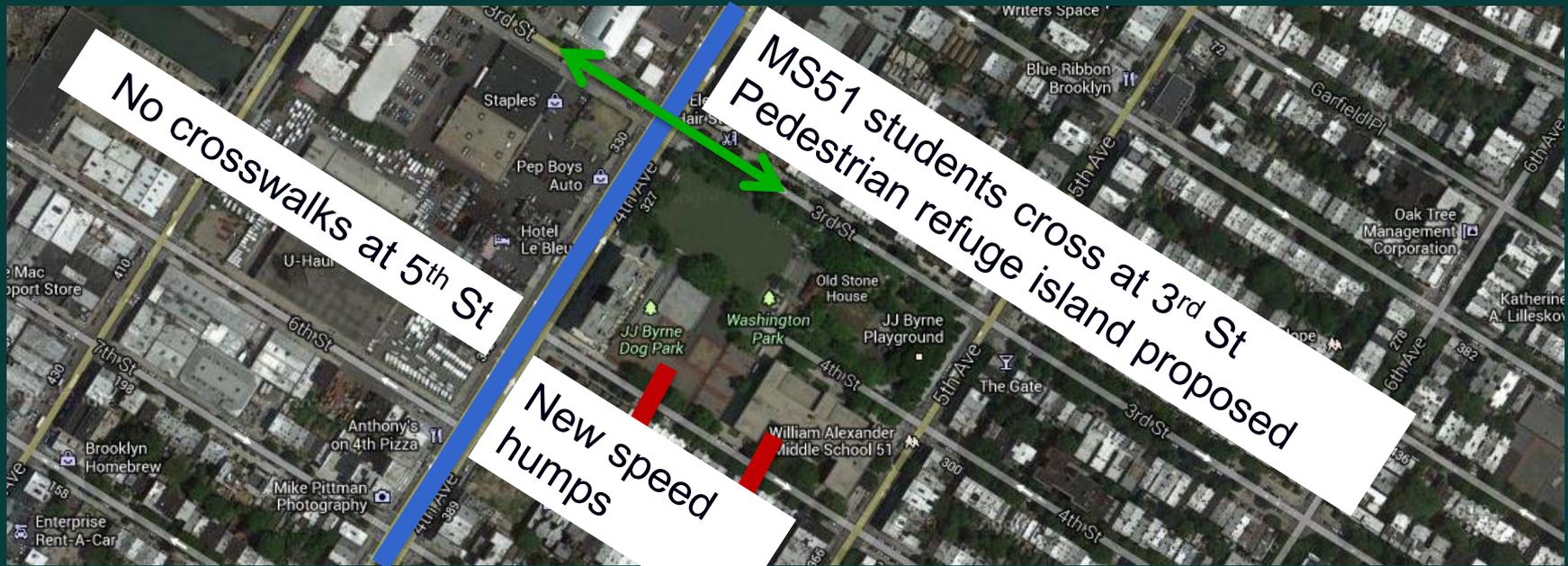


3rd St:
1 pedestrian injury
53 overall injuries

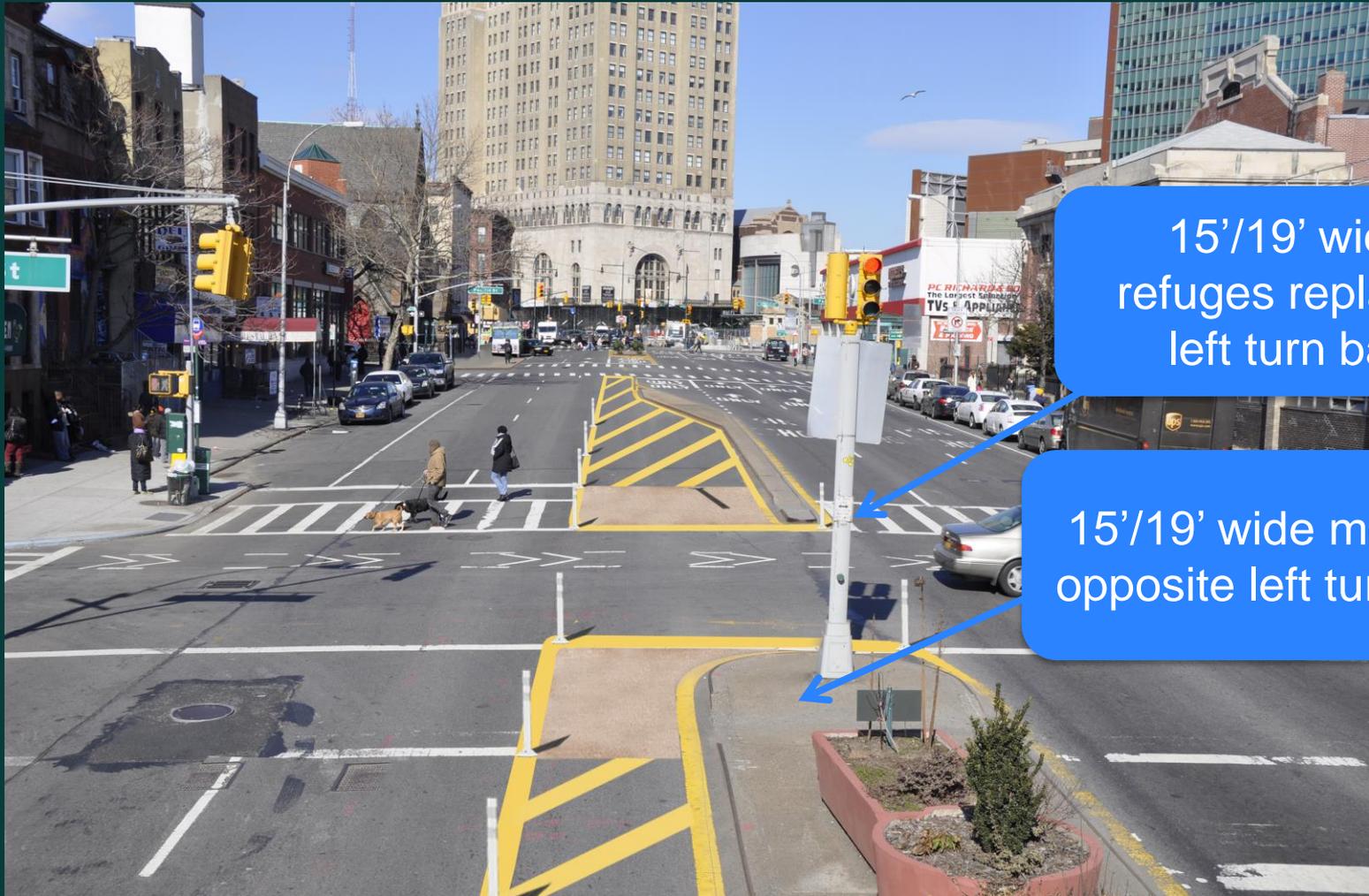
5th St:
0 pedestrian injuries
9 overall injuries

School Outreach: MS51

- April 29: DOT met with Principal of MS51
- Learned: MS51 students walk across 4th Ave at 3rd St
 - The pedestrian refuge proposed at 3rd St will be a school safety improvement for MS51 students
- Requested speed humps on 5th St bet 4th and 5th Aves
 - DOT surveyed and approved the request as of 6/3/13



Left Turn Ban: Refuge Rendering



15'/19' wide refuges replaces left turn bay

15'/19' wide median opposite left turn bay

- 2' median in north crosswalk at 3rd St → 19' wide refuge

Southbound Left Turns, Diversions

Cross Street	AM	PM
Carroll St	12	52
1 st St	44	40
3 rd St	24	24
5 th St	52	44

← Long Turn Bay

← Long Turn Bay

- 24 diverted left turns from 3rd Street ban:
 - Many alternate routes
 - If half go to 5th St, 12/hour is < 1 vehicle/cycle
 - If all go to 5th St, 24/hour is still < 1 vehicle/cycle
- 5th St begins at 4th Ave: already carries very low volumes

Conclusion

- 4th Avenue turn ban recommendation locations were selected to improve safety for all road users.
- Without the 3rd St southbound turn ban, the 4th Ave proposal loses safety benefits to MS51 students and park users who cross 4th Ave at 3rd St.
- A ban at 5th St lacks pedestrian safety benefits as there are no crosswalks crossing 4th Ave. It does not meet a signal warrant.
- 4th St has a signalized protected crossing across 4th Ave.
- MS51 Principal requested speed humps to slow 5th St traffic bet 4th and 5th Avenues on 4/29/13. They have been approved.

nyc.gov/4thave

**Thank
You**