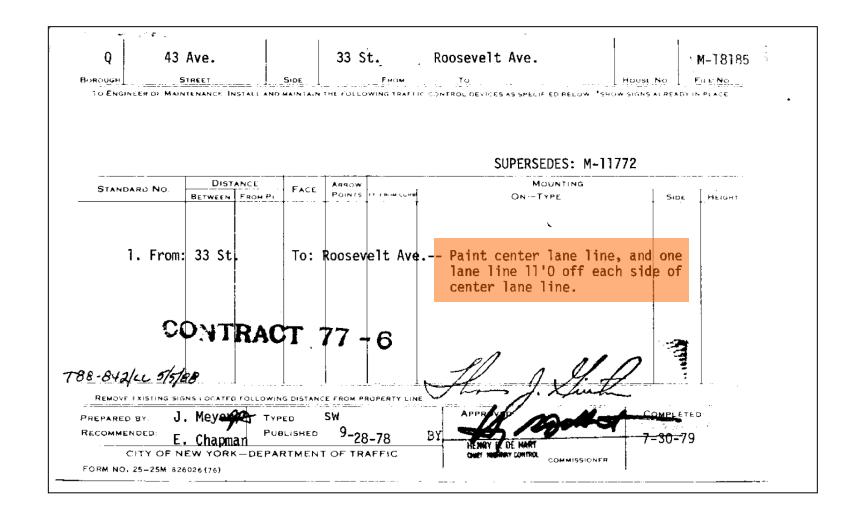






STREET DESIGN, THE OLD WAY





VISION ZERO IN NYC

- Lead by City Hall
- Multi-Agency
- Comprehensive
 - Engineering
 - Enforcement
 - Education
 - Policy

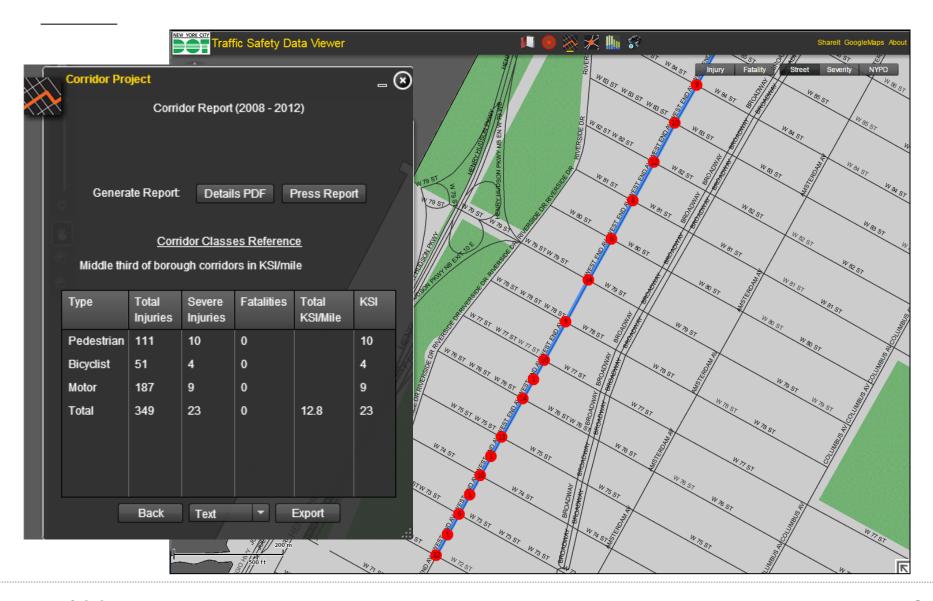


STREET IMPROVEMENT PROJECTS:

9 years of Aggressive Street Re-Engineering



DATA DRIVEN



ROAD DIET BASICS



STREET DESIGN: 3 CONSTRUCTION OPTIONS

For safety projects, faster construction saves lives

	Capital Concrete	In-House Concrete	Temporary Non-Concrete
Build Time	5+ years	1-2 years	1-2 years
Cost	High	Low	Very Low



Flatbush Ave Ext, Brooklyn



7th Av & W 23rd St, Manhattan

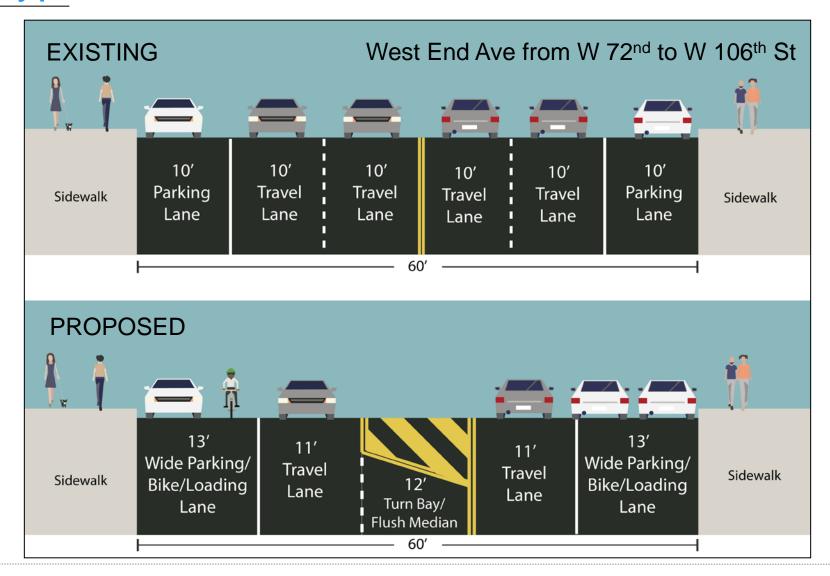


Madison Square, Manhattan

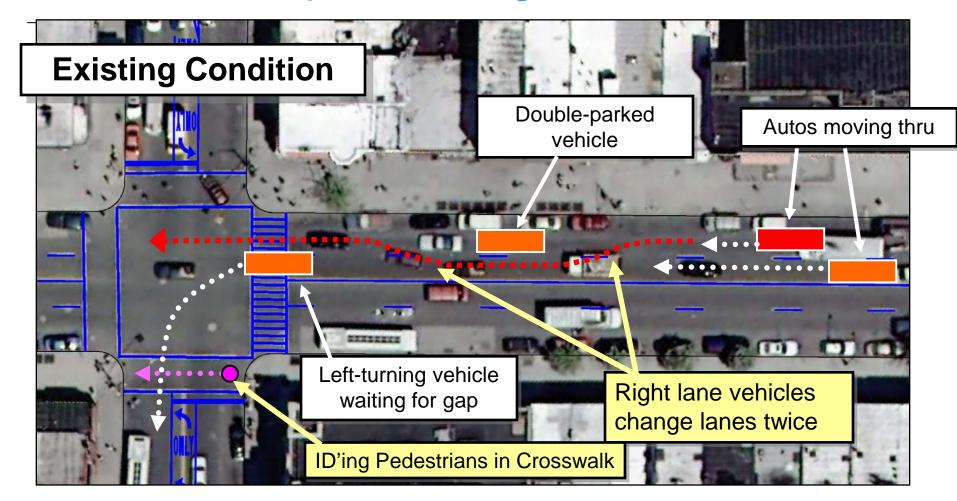
STREET DESIGN: THE OPERATIONAL TOOLBOX



Typical 4 to 3 Road Diet Cross-Section

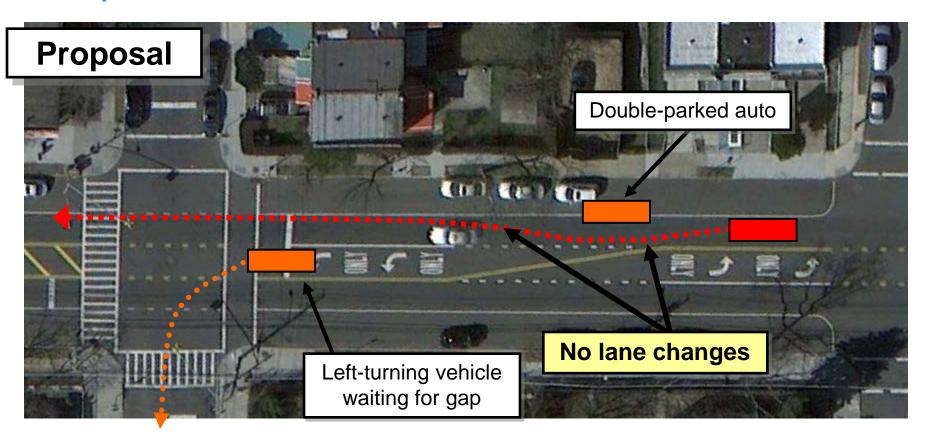


ISSUE: Interrupted Through Movements



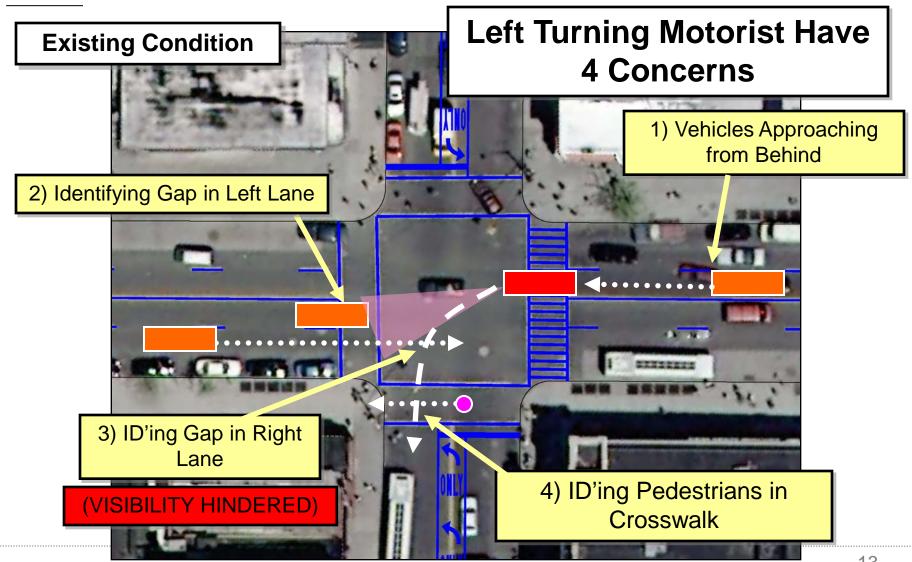
- Frequent lane changing
- No "good" through travel lane

Proposed Traffic Movement



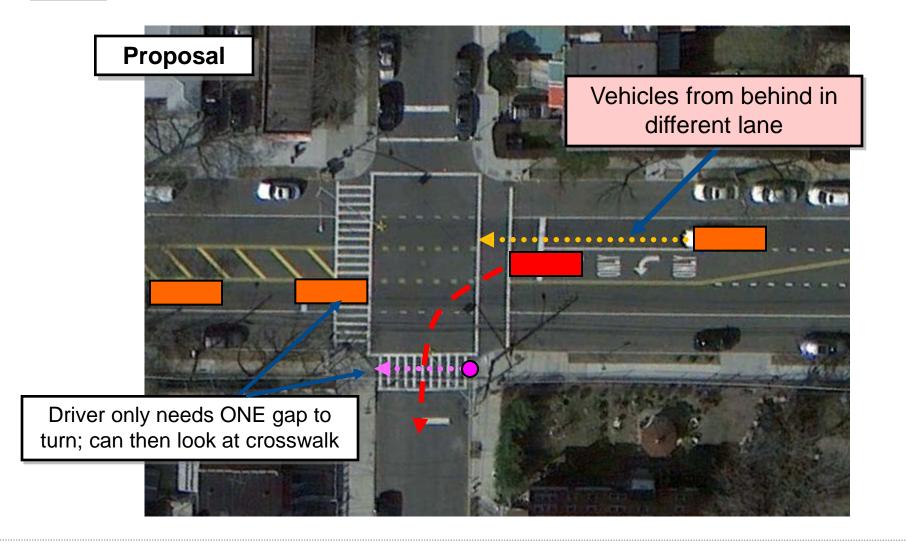
- Normal activity doesn't force lane changes
- One "good" through travel lane
- More orderly and predictable movements

ISSUE: Challenging Left Turns



13

Proposed Left Turn



Gerritsen Ave, between Ave W & Ave R, BK

Corridor Redesign: 4 to 3 (2009)



Crashes with Injuries -40%



Gerritsen Ave, between Ave W & Ave R, BK

Corridor Redesign: 4 to 3 (2009)



Empire Blvd, between Bedford Ave & Utica Ave Bk

Corridor Redesign: 4 to 3 (2010)



nyc.gov/visionzero

Crashes with Injuries
-15%



Empire Blvd, between Bedford Ave & Utica Ave Bk

Corridor Redesign: 4 to 3 (2010)



Vanderbilt Ave, BK

4 lane two-way street: 4 to 3, bike lane



Filled major gap in bike network



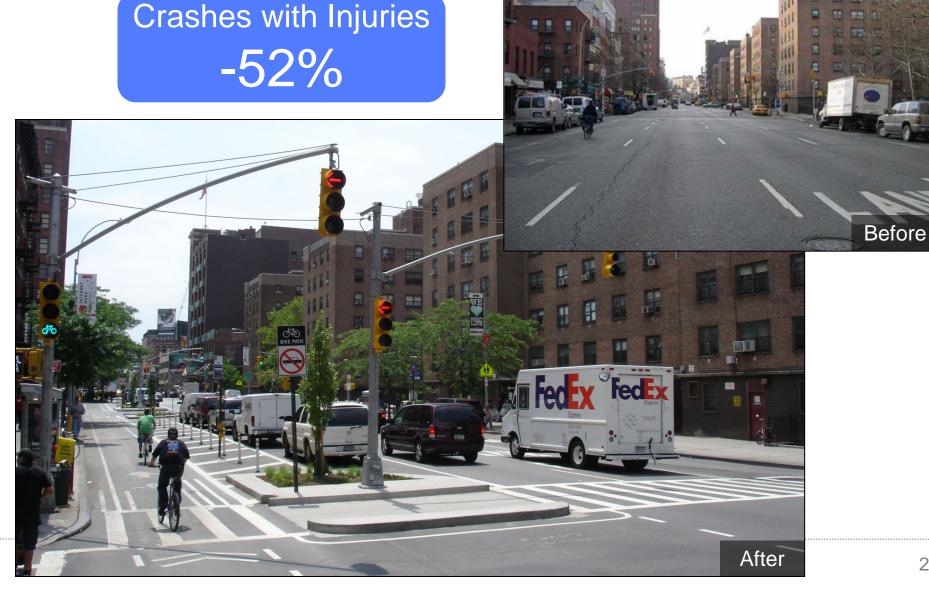
Vanderbilt Ave, BK

4 lane two-way street: 4 to 3, bike lane



9th Ave, between 16th St & 23rd St, MN

60' wide one-way Ave: 4 to 3 protected bike lane



9th Ave, between 16th St & 23rd St, MN

60' wide one-way Ave: 4 to 3 protected bike lane



1st Ave, between 1st St & 33rd St MN

70' Wide One-Way Ave: 5 to 3, Protected Bike Lane



1st Ave, between 1st St & 33rd St MN

70' Wide One-Way Ave: 5 to 3, Protected Bike Lane



Adam Clayton Powell

6 to 5 Conversion (2013)



Pedestrian Injuries
-17%



Adam Clayton Powell

6 to 5 Conversion (2013)



Broadway: Greenlight For Midtown, MN

Corridor Redesign- One way with Bike Lane (2009)

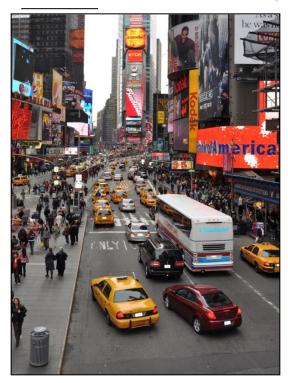


Crashes for all users -52%



Broadway: Greenlight For Midtown, MN

Capital Corridor Redesign





Temporary materials were quickly installed and then capitally built



Columbus Ave, between 77th St & 97th St, MN

Corridor Redesign (2010) - Lane narrowing lead to parking protected bike lane



Columbus Ave, between 77th St & 97th St, MN



E 180th St, between Webster & Boston Rd, BX

50' Wide: 2-way lane narrowing (2010)



Crashes with Injuries -21%



E 180th St, between Webster & Boston Rd, BX

50' Wide: 2-way lane narrowing (2010)



THANK YOU!

Questions?















NYC DOT nyc_dot

NYC DOT