

Broadway: Union Square

Summer
2010



Project Area



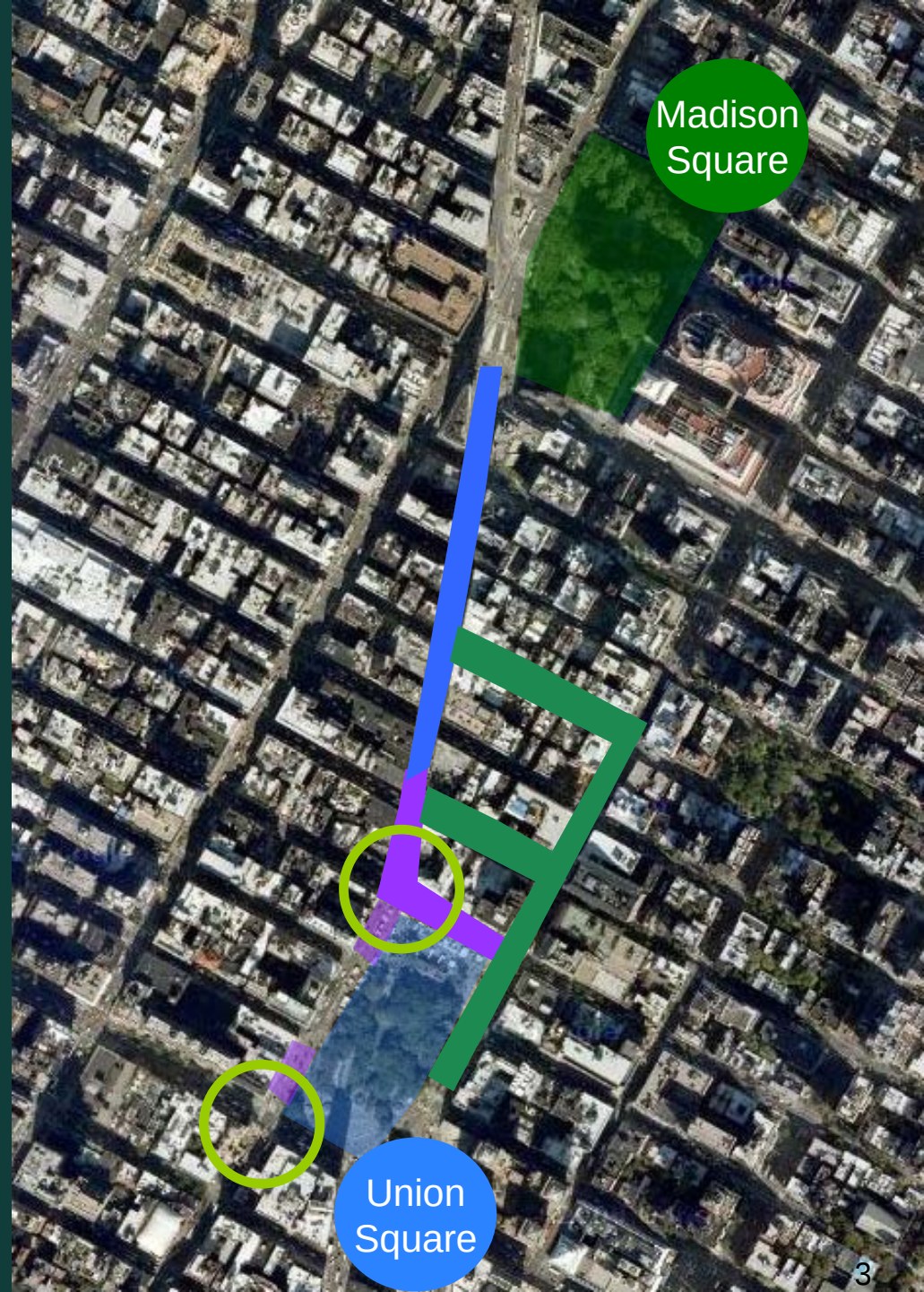
Focus Areas

1. Improve safety at E. 17th & Broadway, Union Sq. W. & 14th

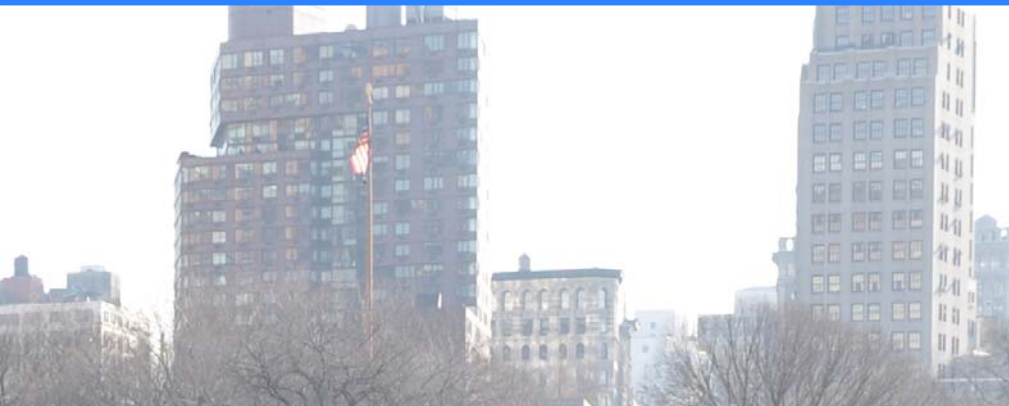
2. Create new plaza space

3. Upgrade safety on Broadway, 23rd to 18th Streets

4. Rationalize traffic network



E. 17th Street + Broadway



Long skewed crosswalks

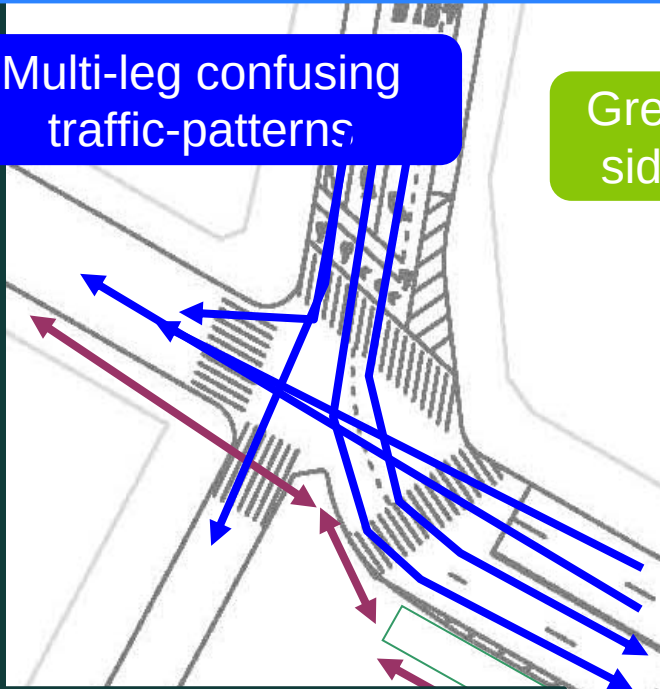
Unwelcoming gateway

Confusing traffic-pedestrian patterns

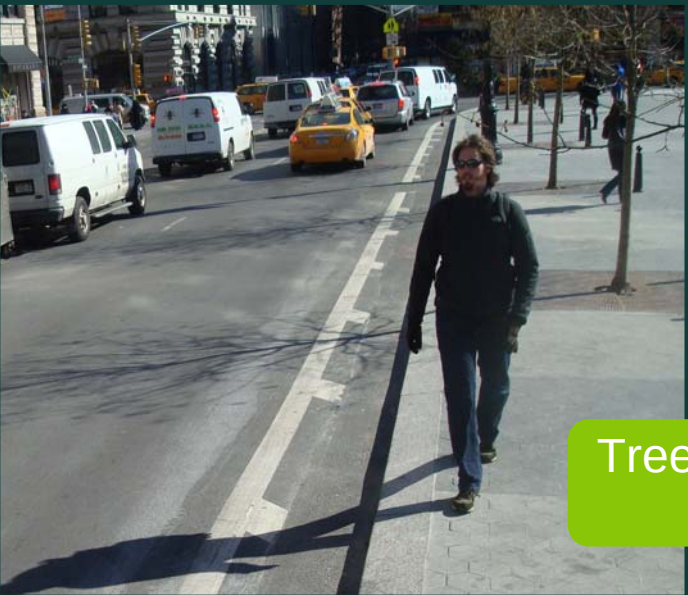


E. 17th Street + Broadway

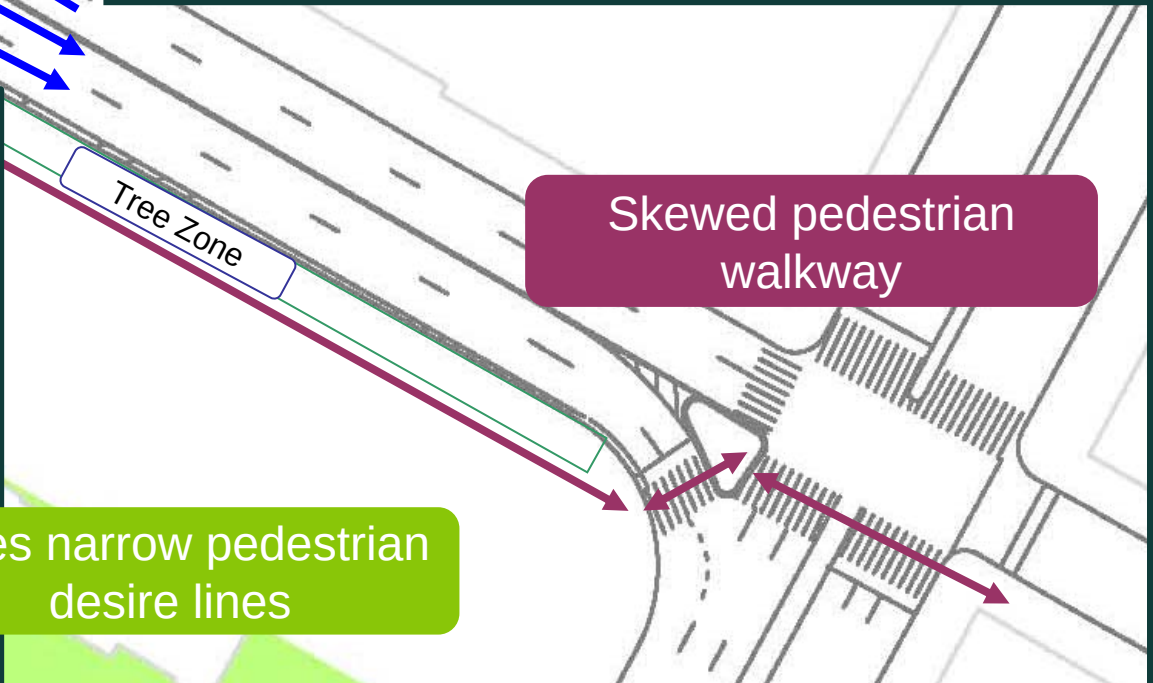
Multi-leg confusing traffic-patterns



Greenmarket blocks south sidewalk of E. 17th Street



Trees narrow pedestrian desire lines



Skewed pedestrian walkway

Union Square Plan

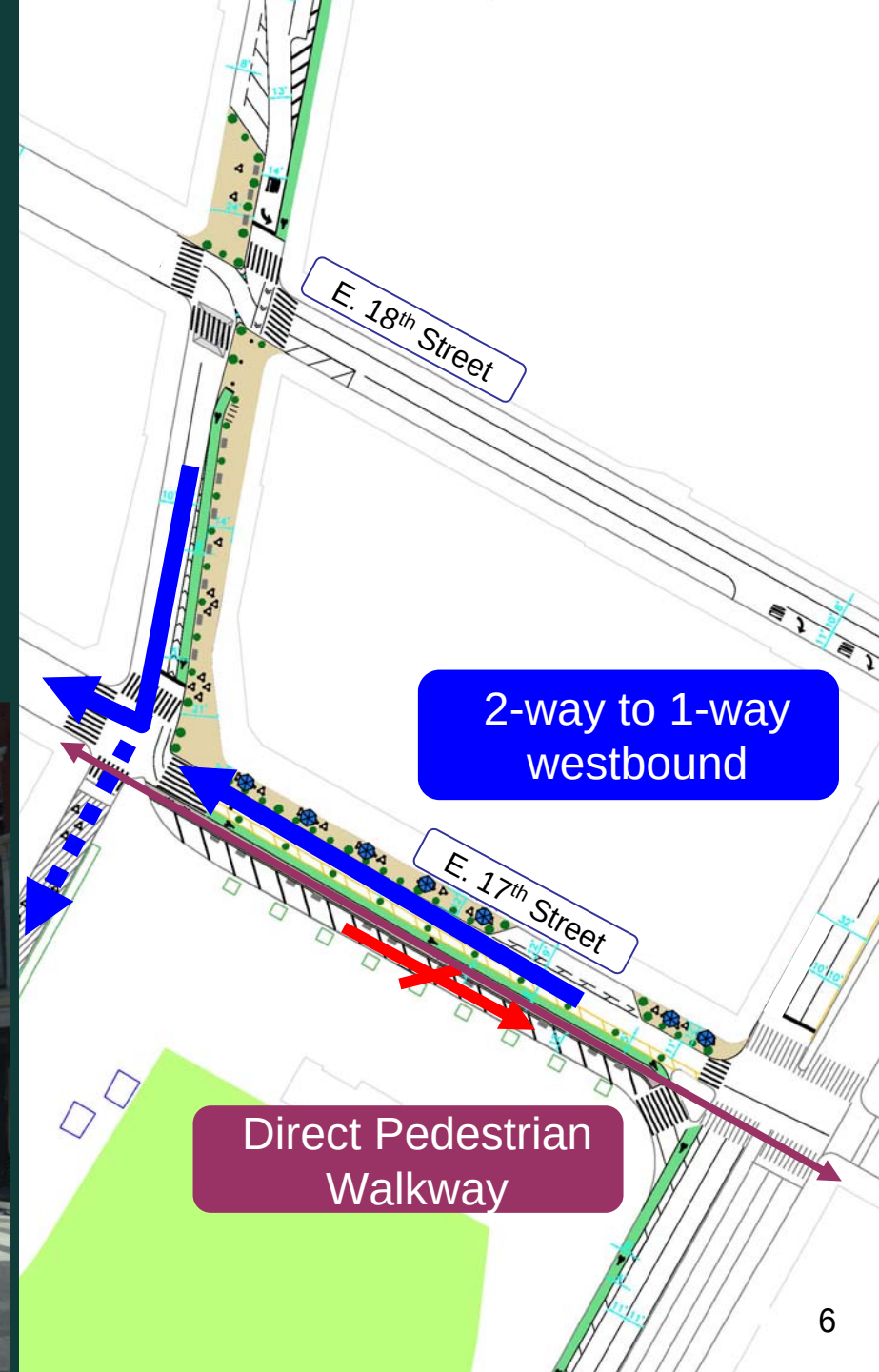
Simplifies intersection,
improves safety

Bway-17th – From 3 to
2 Phase Signal

Shortens crosswalks



Adds bicycle
connection to 14th St.



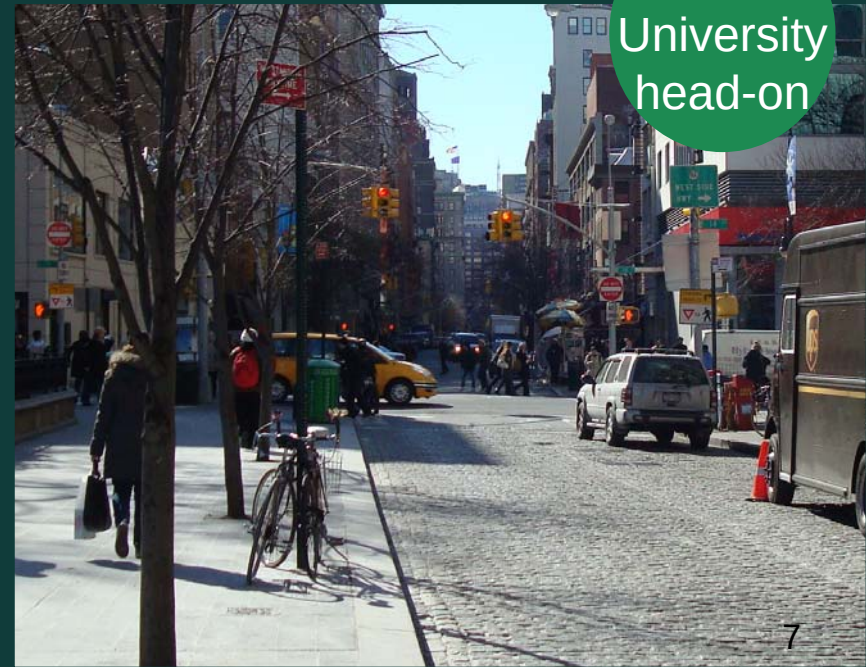
Improved Safety



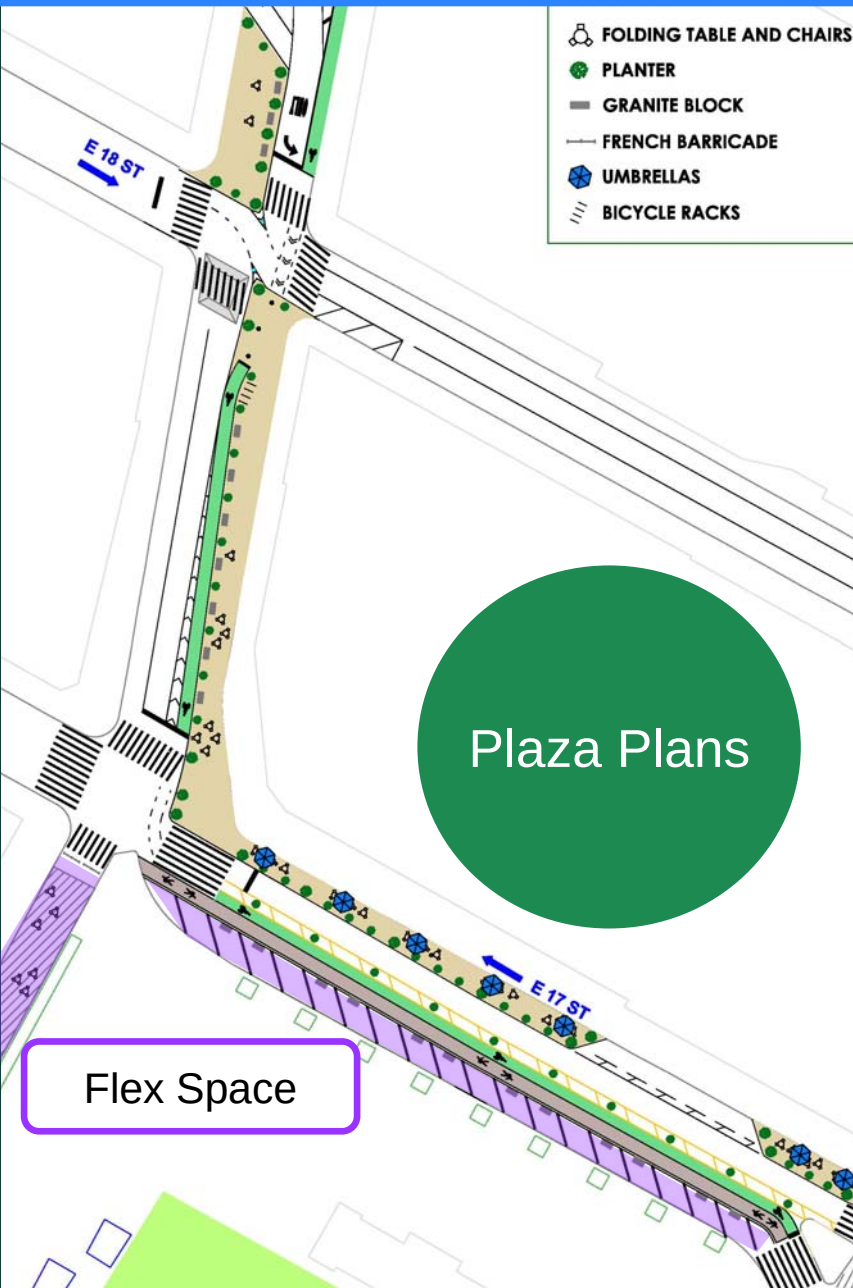
Total Injuries 2004-2008

	B'way & 17 th	USW & 14 th	Park & 17 th
Pedestrian	9	8	13
Bicyclist	1	7	6
Motor Vehicle Occupant	6	14	35
Total Injuries	16	29	54

USW & University head-on



Ribbon Plazas

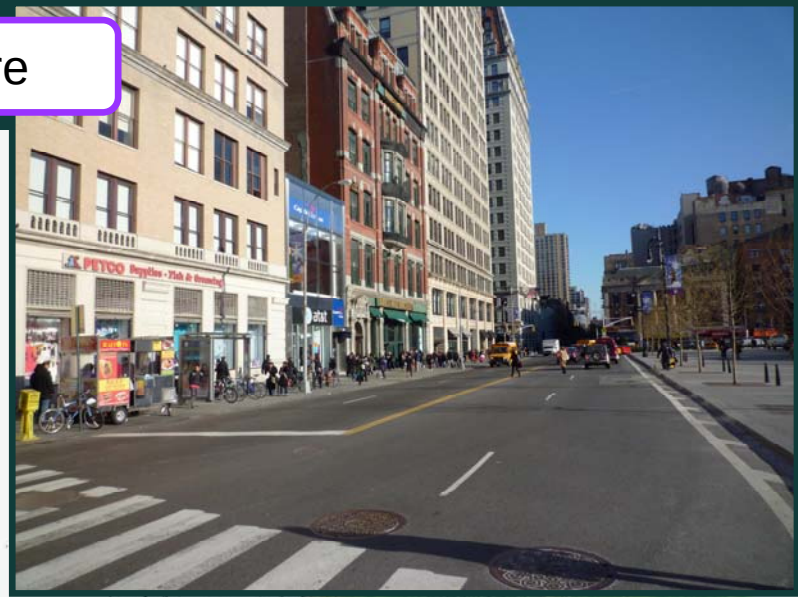


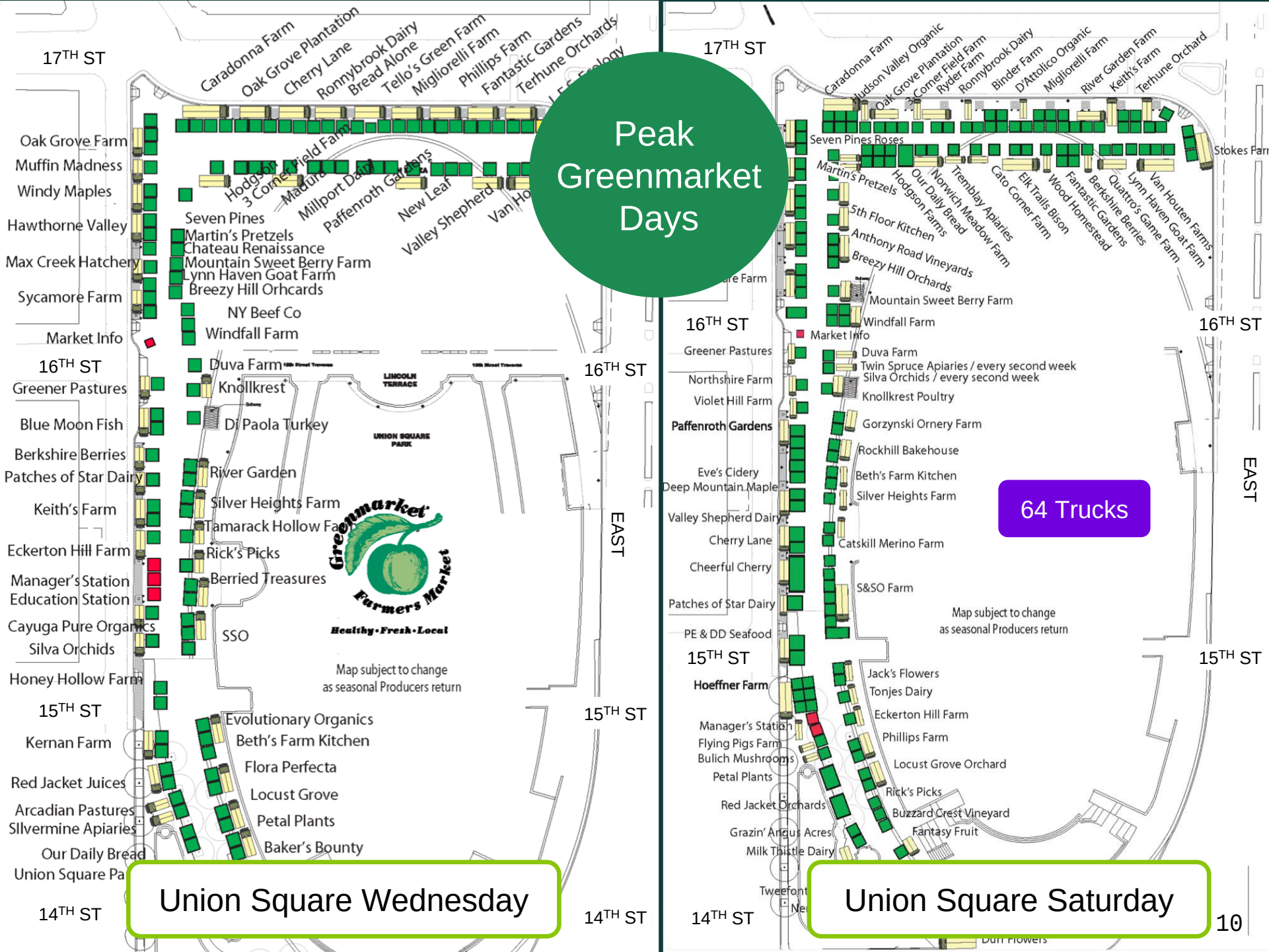
Temporary Plaza
Furniture Examples



Before

After





Peak
Greenmarket
Days

64 Trucks

Union Square Wednesday

Union Square Saturday



Map subject to change
as seasonal Producers return

Map subject to change
as seasonal Producers return

23rd to 18th St. Improvements



Example: Broadway & W. 29th St.



Pedestrian refuge islands added

Vehicle lanes reduced to meet demand

Class I protected bicycle lane installed

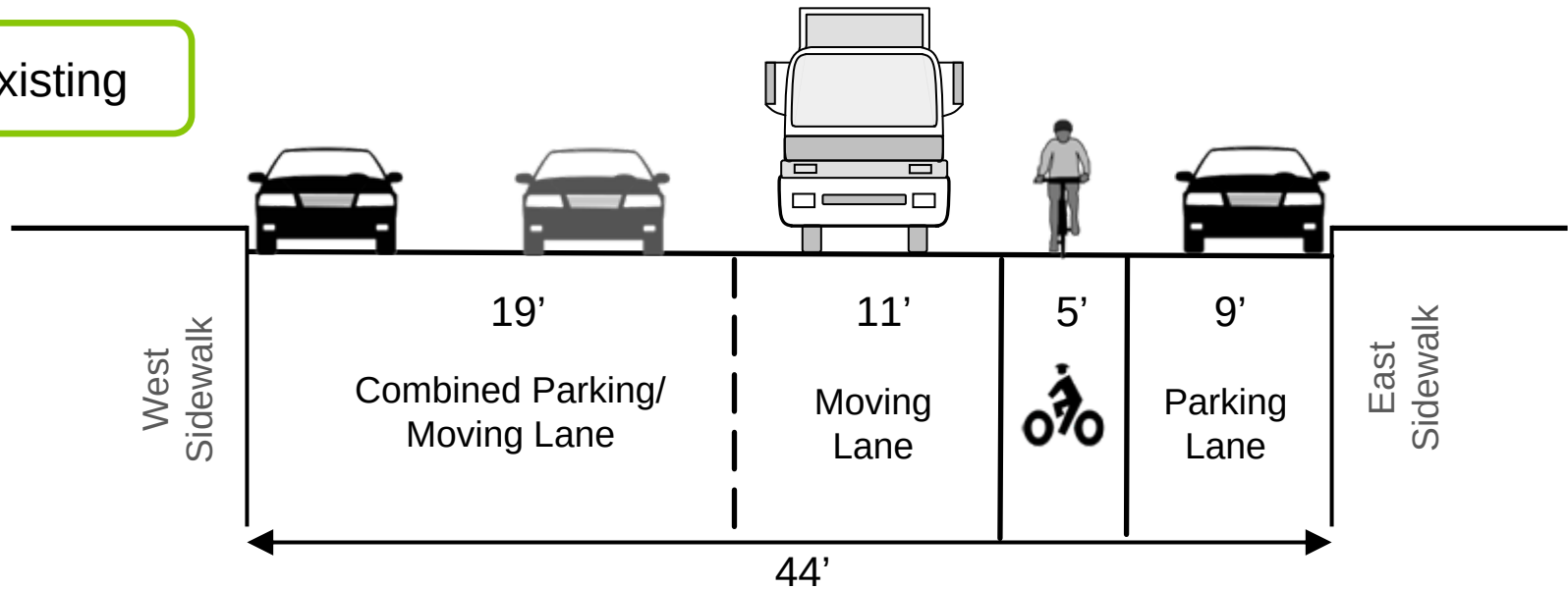
MTA express buses diverted off Broadway

Proposed

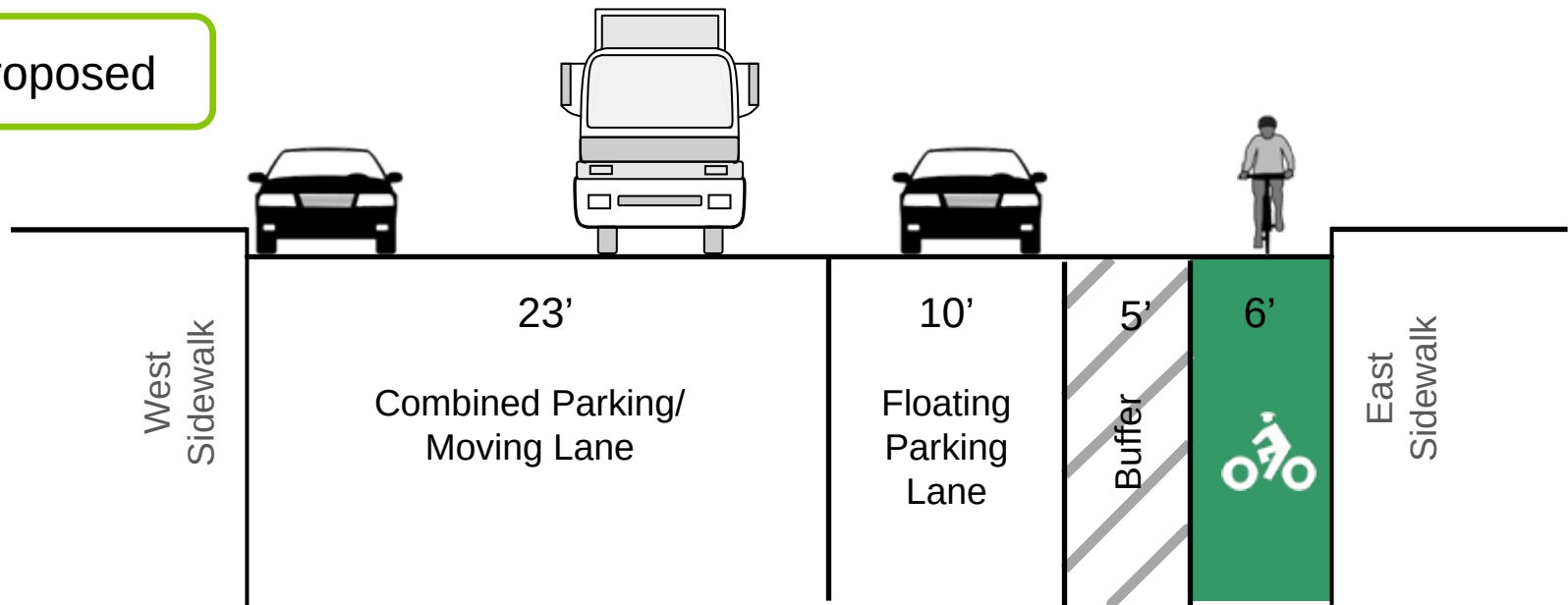
Existing

23rd to 18th St. Improvements

Existing



Proposed



Projected Traffic Diversions



Turn lanes added on 18th and 20th to improve mobility

Signal timing changed

Signage added to divert motorists

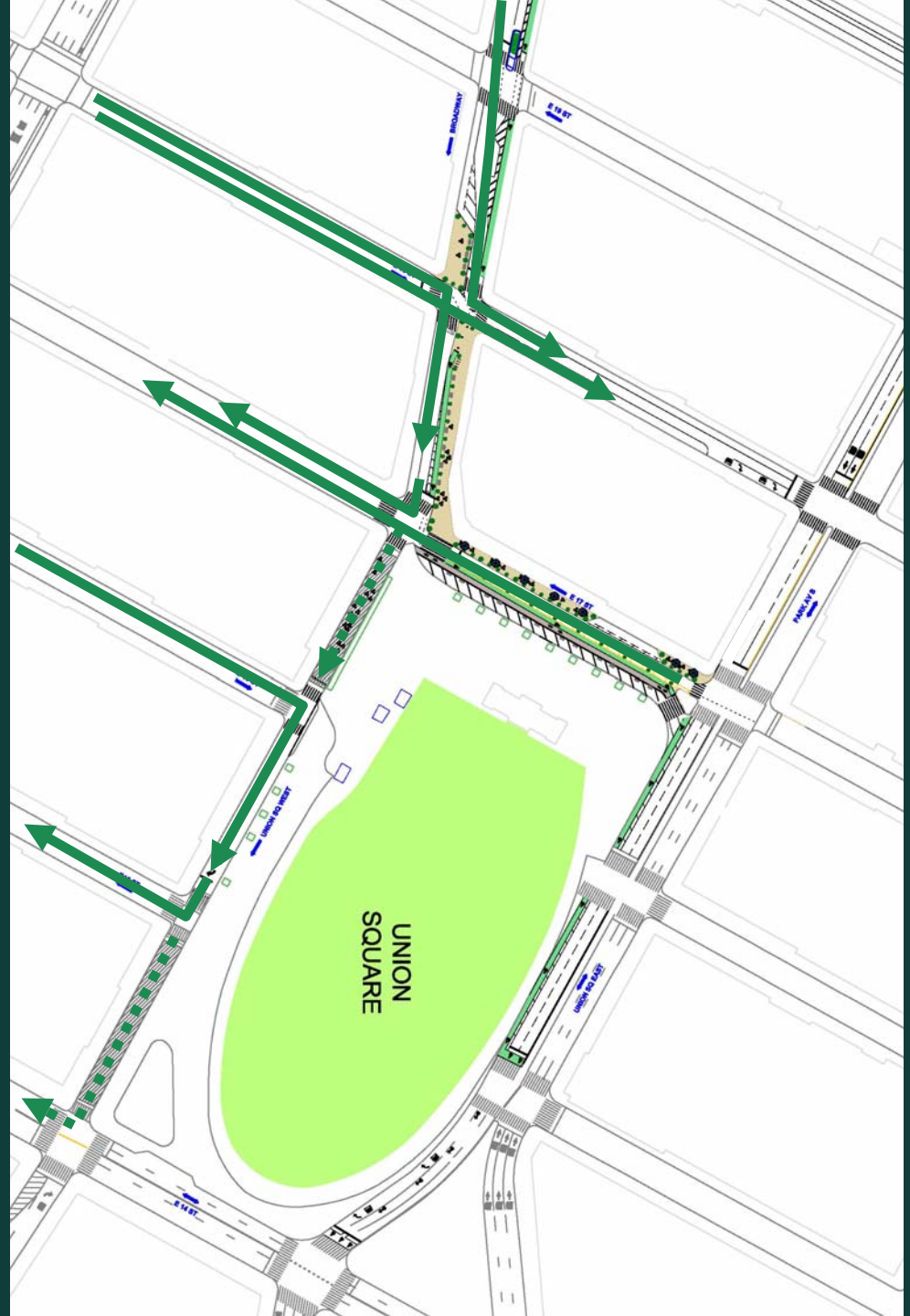
No left turn from S/B Park Avenue to 18th Street



Circulation



Union Sq. West



Partners





www.nyc.gov/dot

Thank
You