

New York City Department of Transportation Presented March 17, 2015 to Brooklyn CB1 Transportation Committee

Project Background

South 5th Place

from S 5th Street to S 4th Street

South 4th Street

from S 5th Place to Roebling Street

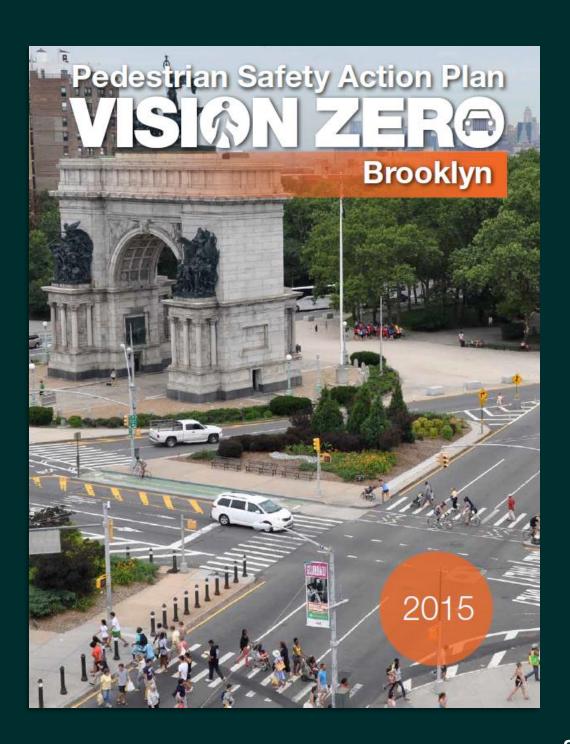


- the Ave BeafordAve 998 AVE Roebling St Williamsburg Bridge Bike Path
- The Williamsburg
 Bridge bicycle path is
 a major connection
 between Brooklyn and
 Manhattan
- Over 6,300 cyclists used the bicycle path on an average midweek weekday in 2014*
- Over 8,800 cyclists were counted on the busiest day of 2014**

^{*} April through October, 2014 ** Tuesday, 7/24/2014

Vision Zero

- Between 2009 and 2013, seven crashes occurred on South 5th Place
- Five of the seven crashes involved cyclists
- The car driver fled the scene in three of the five crashes involving cyclists



The bridge's bike path **Bridge Access** is accessible from: S 5th Street bike lane Species by the Thousands SAth St heading eastbound Dram S 5th Place sidewalk heading southbound Pies'n'Thighs SAth St Smart Apartments Driggs Ave Brooklyn Film Festival SAth St S 5th St Holy Trinity Church of Ukrainian... S 5th Py S5th Street Ukrainian Orthodox Holy Williamsburg Bridge S Ath St Bridge Continental Army Plaza Williamsburg Bridge Williamsburg Bridge George Washington at Valley Forge Williamsburg Bridge bicycle path Williamsburg Bridge entrance

Existing Conditions

S 5th Place, looking north towards S 4th Street









Existing Conditions

S 5th Place, looking north towards S 4th Street



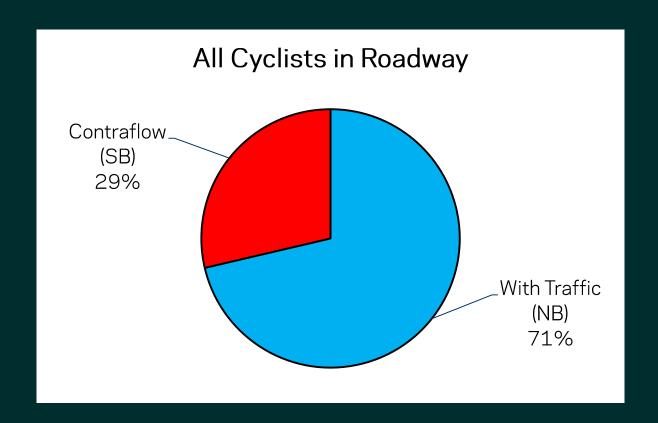






12-Hour Bicycle Count

- Almost a third of all cyclists in the roadway are riding contraflow
- Contraflow = 591 cyclists
 southbound
- With Traffic = 1471 cyclists
 northbound

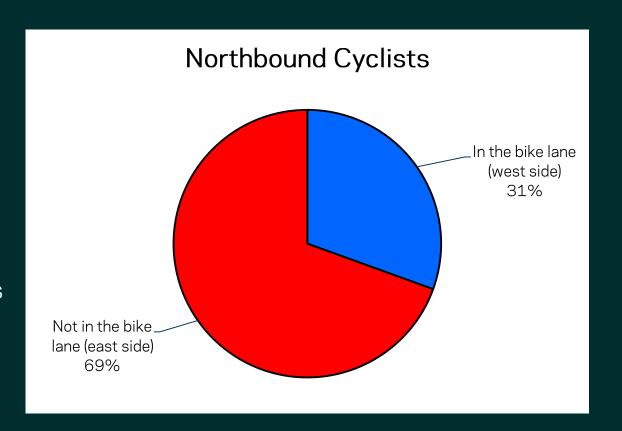


Raw Bicycle Count

	In Stre			On Sidewalk	
	In NB Bike Lane	Not in Lane	subtotal		totals
Northbound	449	1022	1471	200	1671
Southbound	279	312	591	1031	1622
totals	728	1334		1231	3293

12-Hour Bicycle Count

- Northbound cyclists prefer to ride on the eastern side of the street at a rate of over 2 to 1
- In bike lane = 449 cyclists
- Not in bike lane = 1022 cyclists



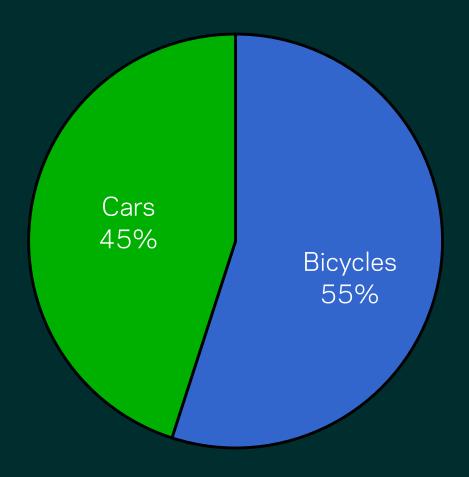
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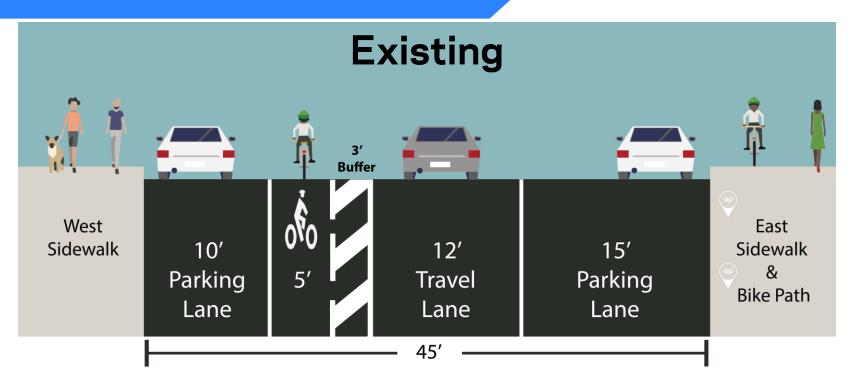
Peak Hour Mode Split

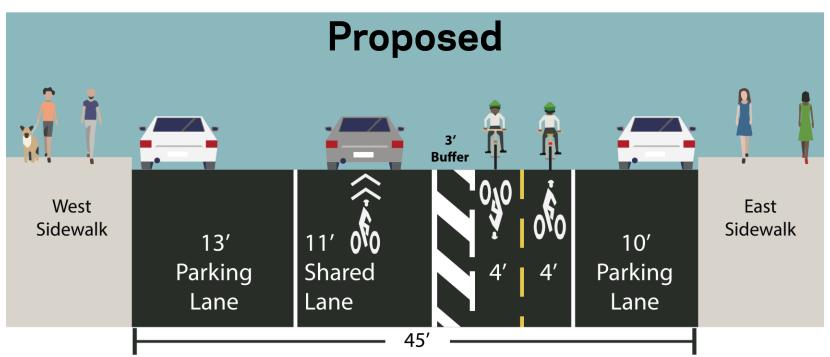
South 5th Place Mode Split Vehicle Peak Hour

- During the vehicle peak hour of 7 to 8 PM, cyclists account for 55% of all traffic on S 5th Place
 - Cars = 231
 - Bicycles = 282



Proposed Design: S 5th Pl





Example of Proposed Design

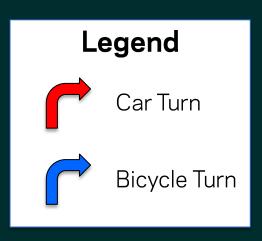
Plaza Street, Brooklyn

 Two-way lane on a one-way street

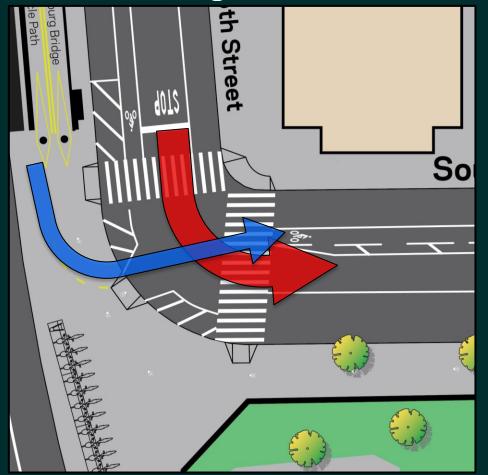


Turn Conflicts at S 5th Street

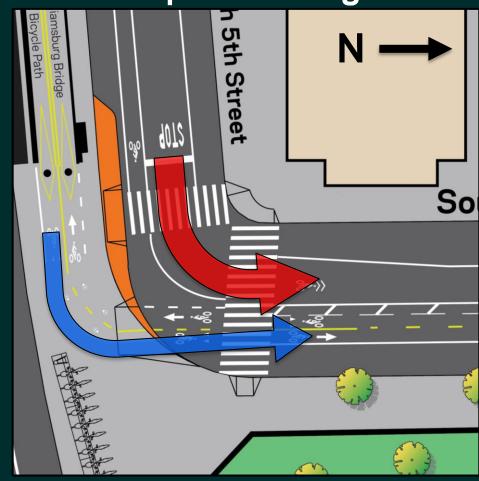
- The existing design requires all cyclists and drivers to cross paths at the bend between S 5th Street and S 5th Place
- The proposed design eliminates this conflict



Existing Condition

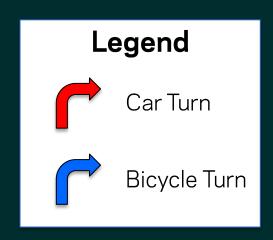


Proposed Design

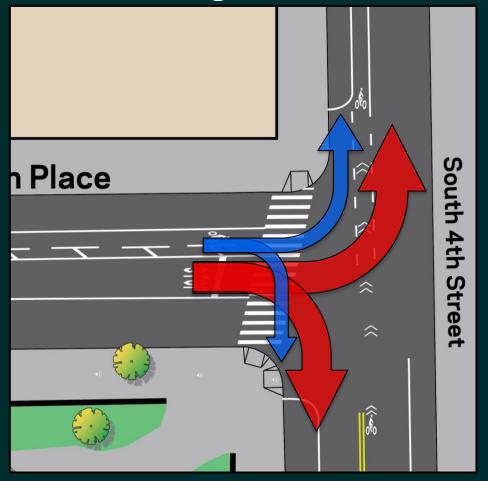


Turn Conflicts at S 4th Street

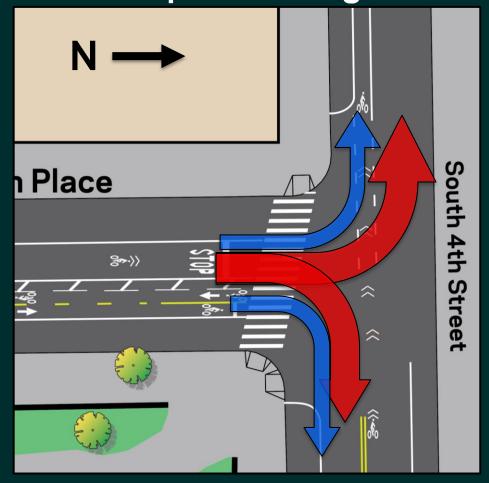
- The existing design requires cyclists and drivers turning right to cross paths at the intersection of S 4th Street and S 5th Place
- The proposed design eliminates this conflict



Existing Condition

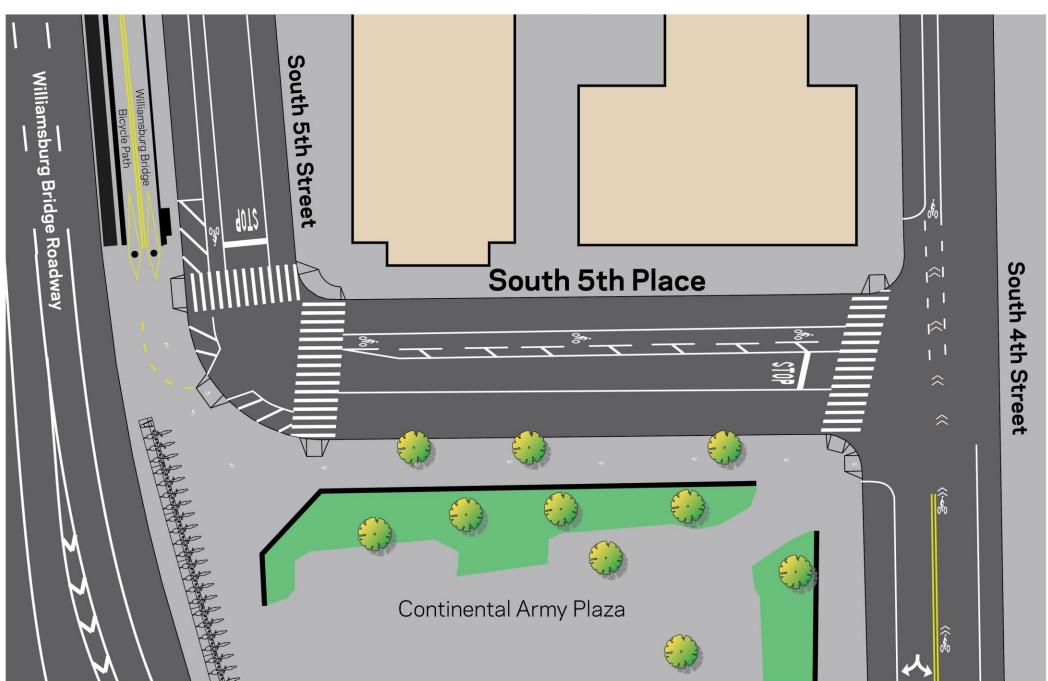


Proposed Design



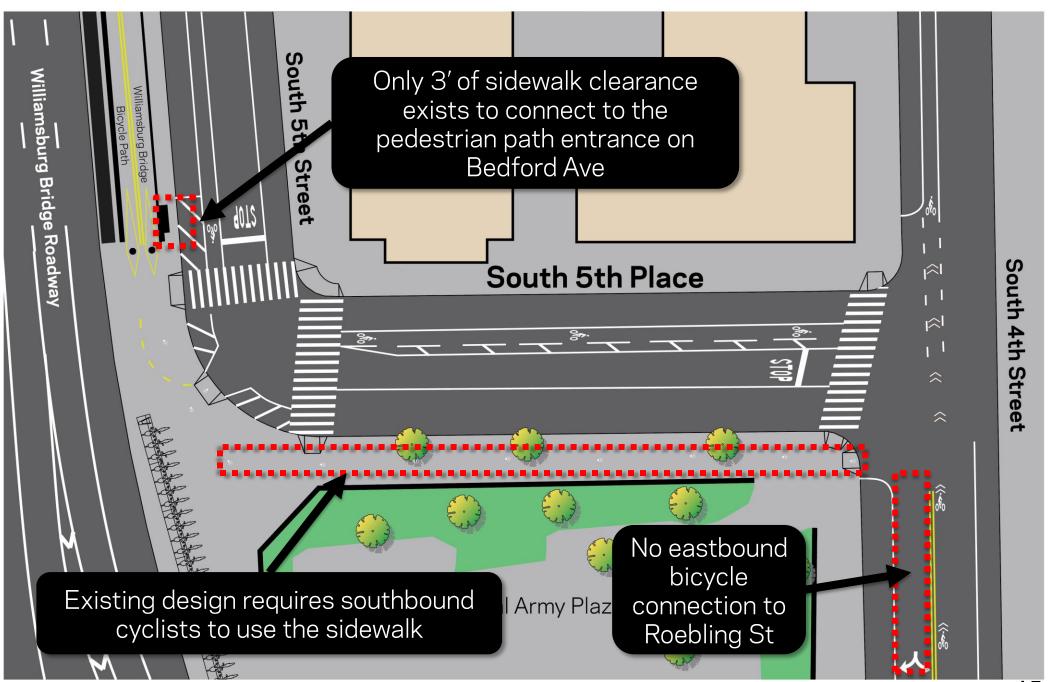
Existing Design





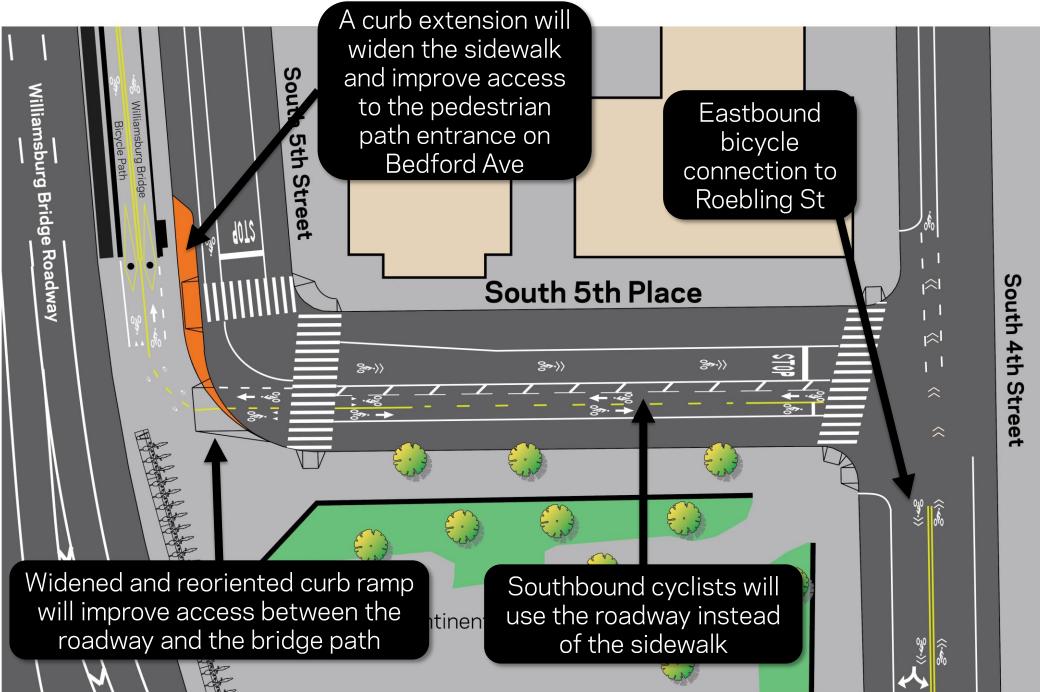
Existing Design



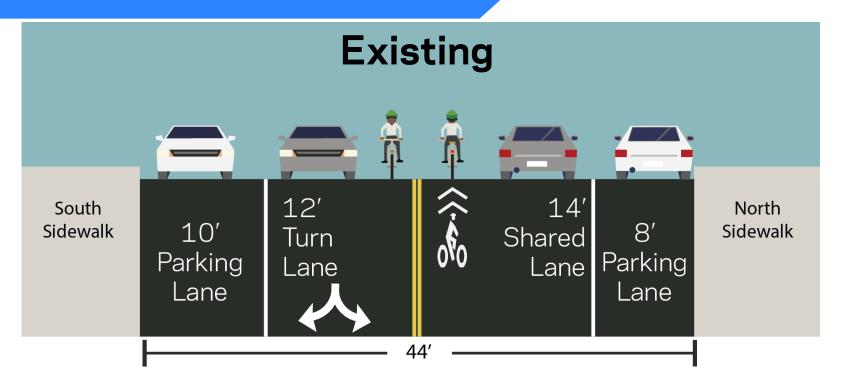


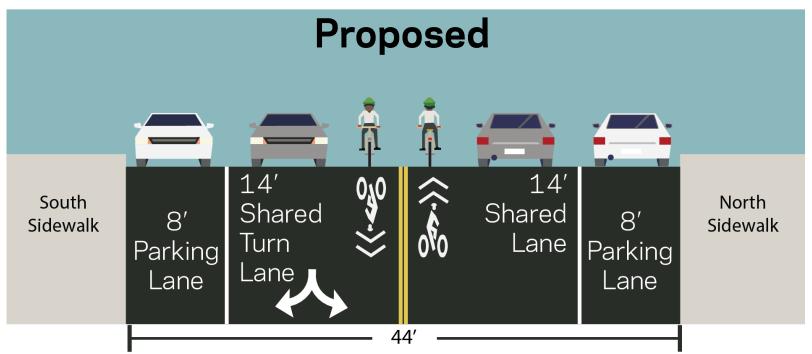
Proposed Design





Proposed Design: S 4th St





Summary of Benefits

- Improves conditions for cyclists
 - Two-way facility will be aligned with existing use patterns
 - Turning conflicts with cars will be eliminated
 - Curb ramp will be widened and realigned
 - An eastbound connection to the existing bike network will be established
- Improves conditions for pedestrians
 - The sidewalk adjacent to the Continental Army Plaza will be reserved for pedestrian use only
 - Curb extension will create a convenient connection to the pedestrian path entrance on Bedford Ave
- The quantity of parking spaces will remain the same

Questions?

