



8TH AVENUE – 38TH ST TO 45TH ST

Presentation to Manhattan Community Board 4
Transportation Planning Committee

June 19th, 2019



Project Background



PROJECT AREA AND BACKGROUND

Project Area:

8th Avenue – 38th St to 45th St

- Key corridor connecting pedestrians to Penn Station and PABT
- Commercial, office and entertainment land uses in close proximity to major subway stops

Project Background:

- Community requests for expanded sidewalk space due to pedestrian overcrowding
- Requests for signal improvements at 8th Ave and 42nd St
- Requests for continuation of the 8th Ave protected bike lane



PROJECT AREA AND BACKGROUND

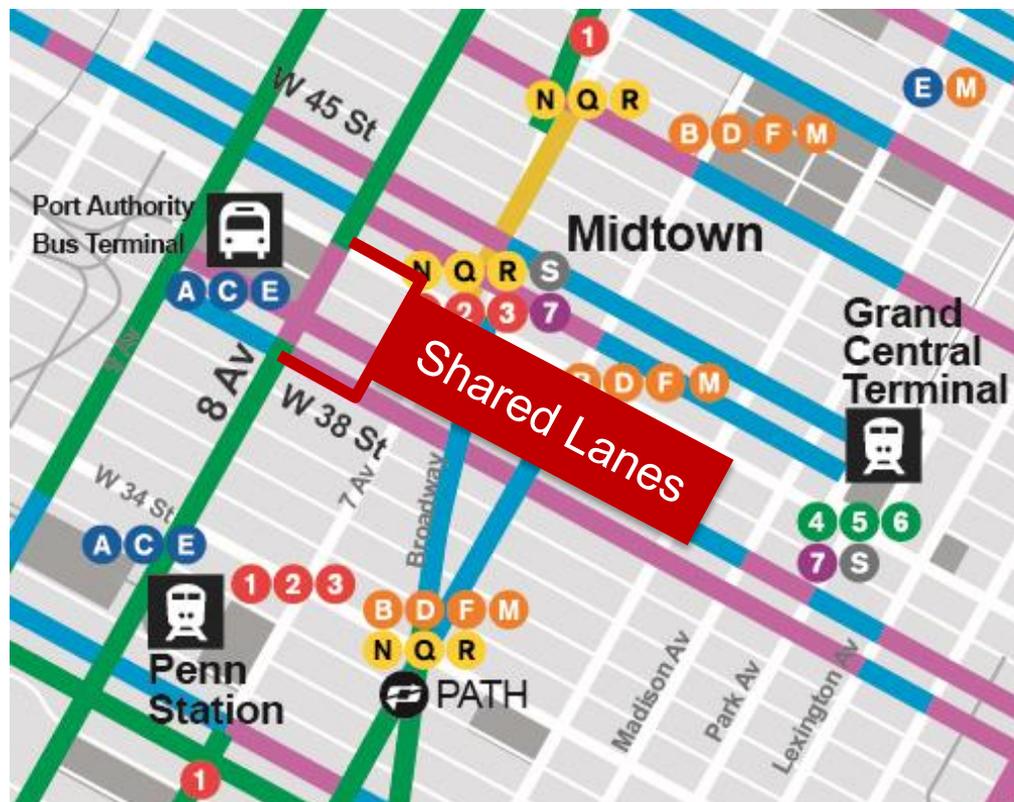
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Legend



Protected Bicycle Lane with Access



Conventional Bicycle Lane



Shared Lane



Signed Route

8TH AVENUE SAFETY DATA

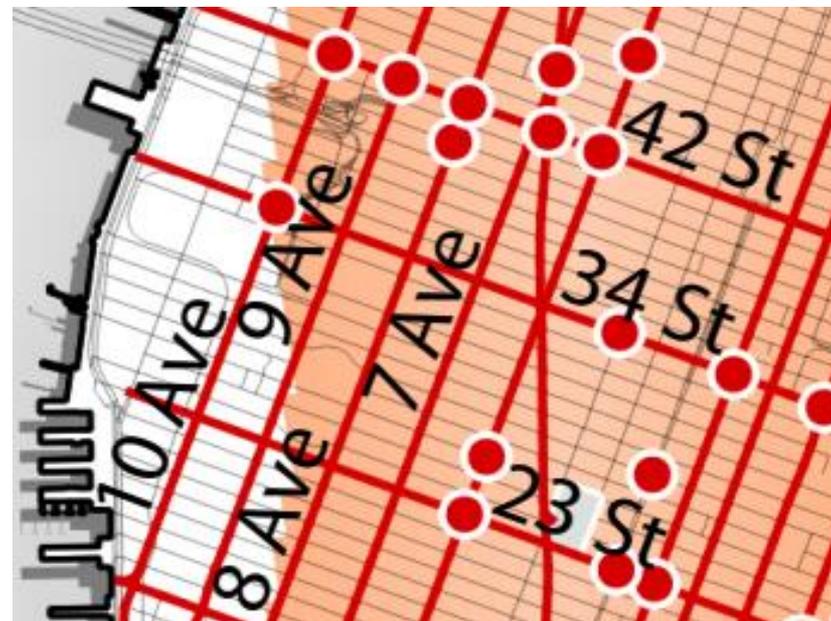
- Vision Zero Priority Corridor
- Within a VZ Priority Area
- Vision Zero Priority Intersections at 40th St and 42nd St

8th Avenue – 38th St to 45th St

Injury Summary, 2013-2017 (5 years)

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	91	15	1	16
Bicyclists	30	5	0	5
Motor Vehicle Occupant	99	5	0	5
Total	220	25	1	26

Fatalities – 2012 to 2019 : 2



Vision Zero Map

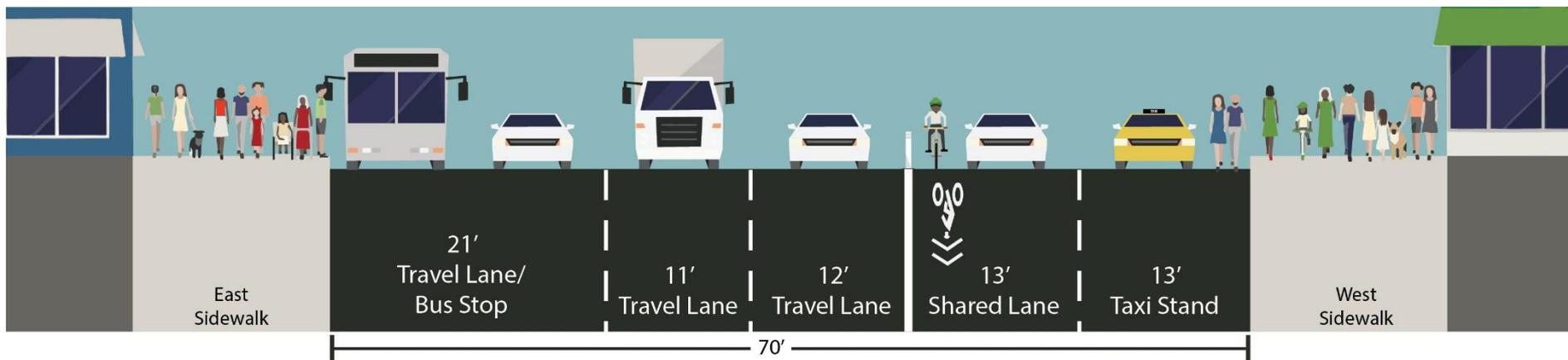
- Pedestrian fatality in 2016 at 38th St
- Cyclist fatality in 2019 at 45th St

Existing Conditions

2

BLOCK CONFIGURATIONS

- 15' sidewalks
- 4 general travel lanes
- Parking-protected bike lane from 38th to 39th
- Shared bike lane from 39th to 42nd
- Two curbside parking/loading lanes - mix of bus stops, taxi stands, and 3HR metered commercial loading/parking



AGGRESSIVE LANE MANEUVERS

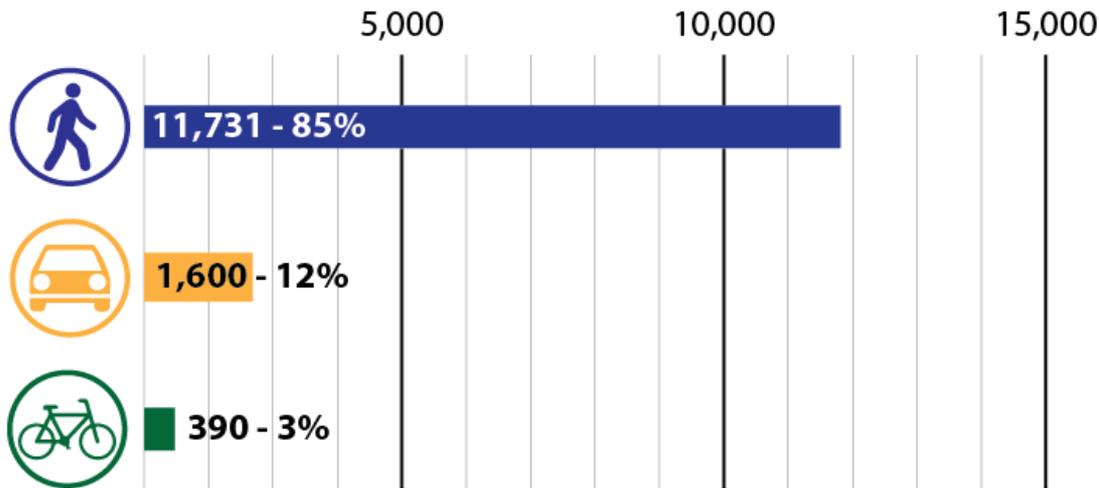
- Lane divider creates aggressive lane maneuvers and limits flexibility for drivers and cyclists



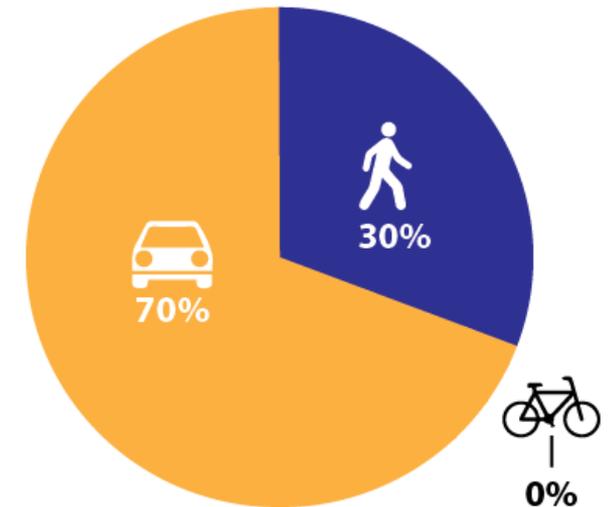
VOLUME AND SPACE COMPARISON

- Pedestrians account for 85% of roadway users
- High pedestrian volumes result in people walking in curbside lanes
- Cyclists allocated 0% of space from 39th St to 42nd St

8th Avenue Modeshare (PM Peak Hour)



Existing 8th Avenue Roadshare



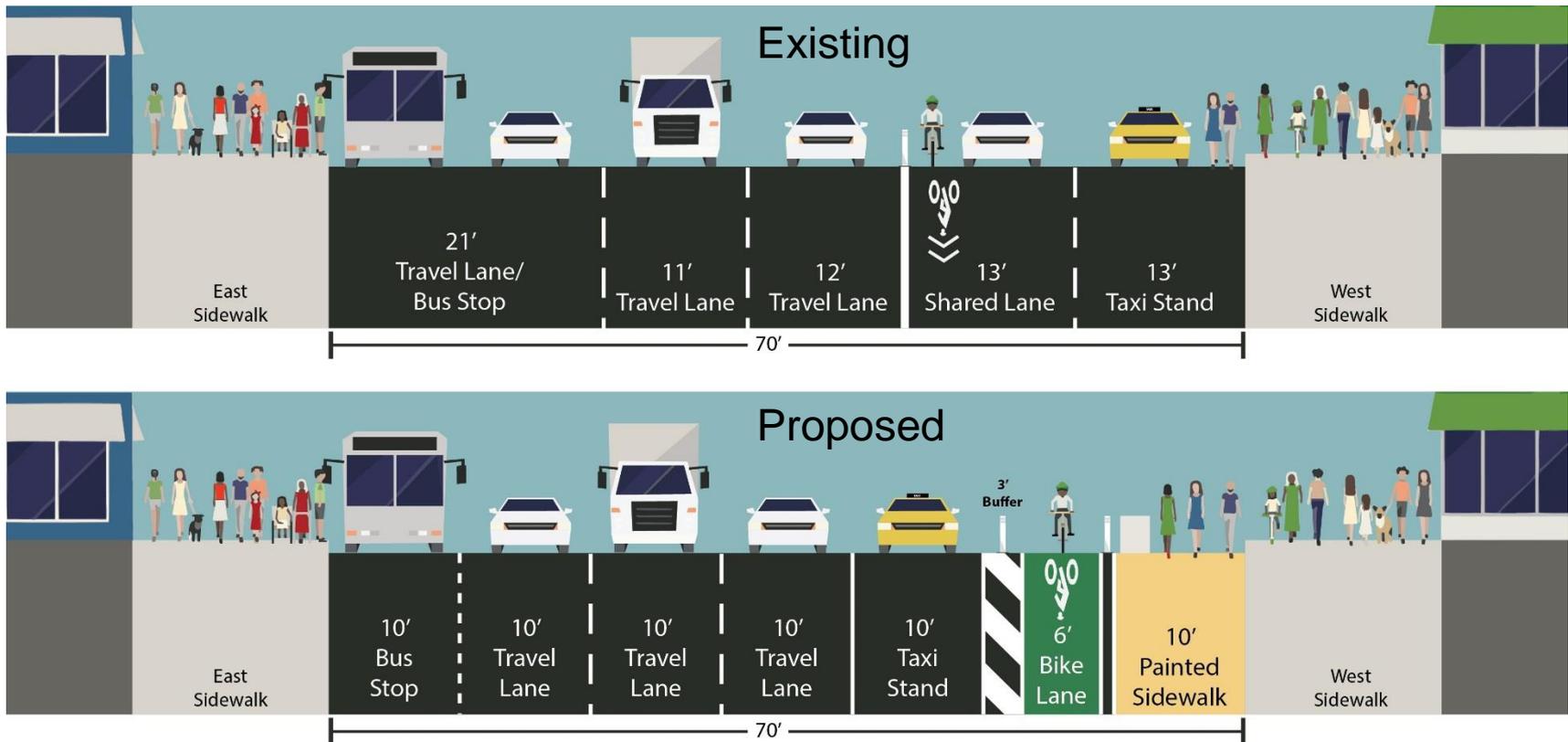
INSUFFICIENT SIDEWALK SPACE



Project Proposal

3

TYPICAL PROPOSED BLOCK CONFIGURATION



- 10' painted sidewalk extension on west curb
- Lane divider protected bike lane
- Three general travel lanes
- Alternating taxi lane and left turn lane on west side
- Extend metered parking to midnight with 5 HR limit on 8th Avenue between 38th St and 45th St as part of Entertainment District regulation update

TYPICAL PROPOSED BLOCK CONFIGURATION



Similar to treatment implemented in 2017 on 8th Avenue between 42nd St and 43rd St

8TH AVE – 38TH ST TO 39TH ST

8TH AVENUE

38th



39th

40th

41st

42nd

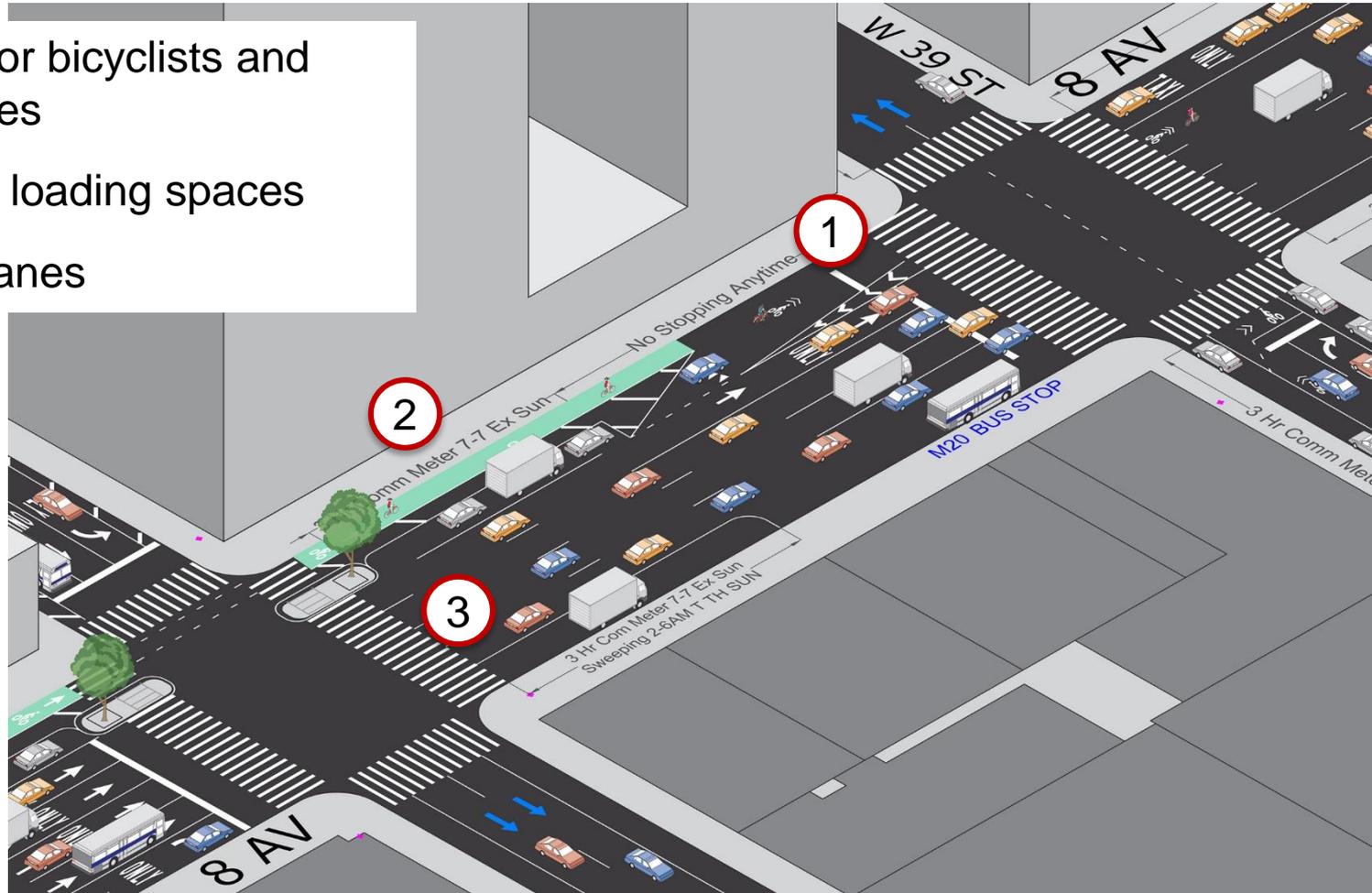
43rd

44th

45th

Existing

- 1 Mixing zone for bicyclists and turning vehicles
- 2 4 commercial loading spaces
- 3 4 thru travel lanes



8TH AVE – 38TH ST TO 39TH ST

8TH AVENUE

Proposed

38th



39th

40th

41st

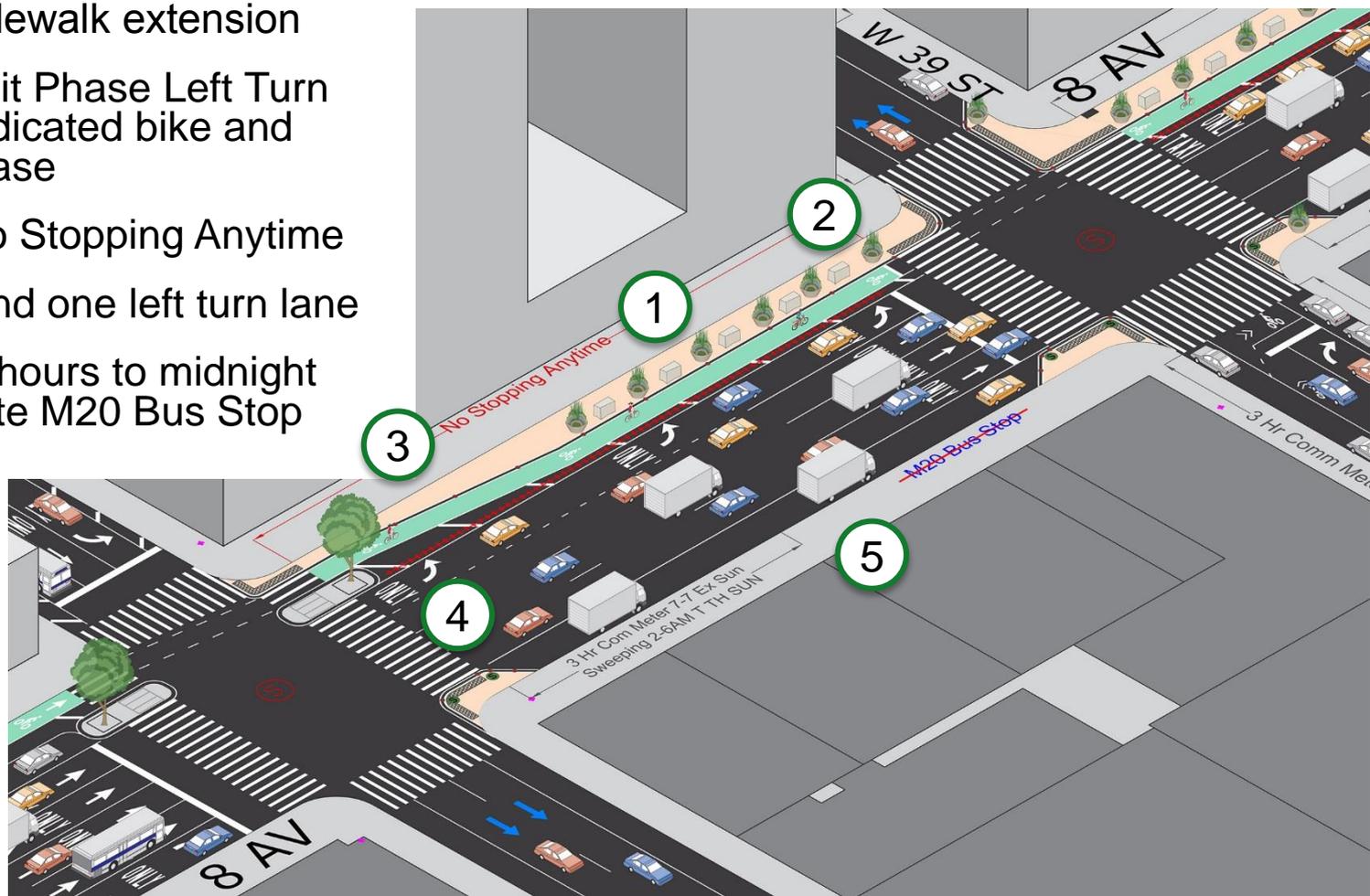
42nd

43rd

44th

45th

- 1 10' painted sidewalk extension
- 2 Convert to Split Phase Left Turn signal with dedicated bike and pedestrian phase
- 3 Upgrade to No Stopping Anytime
- 4 3 thru lanes and one left turn lane
- 5 Extend meter hours to midnight and consolidate M20 Bus Stop



8TH AVE – 39TH ST TO 40TH ST

8TH AVENUE

38th

39th

40th

41st

42nd

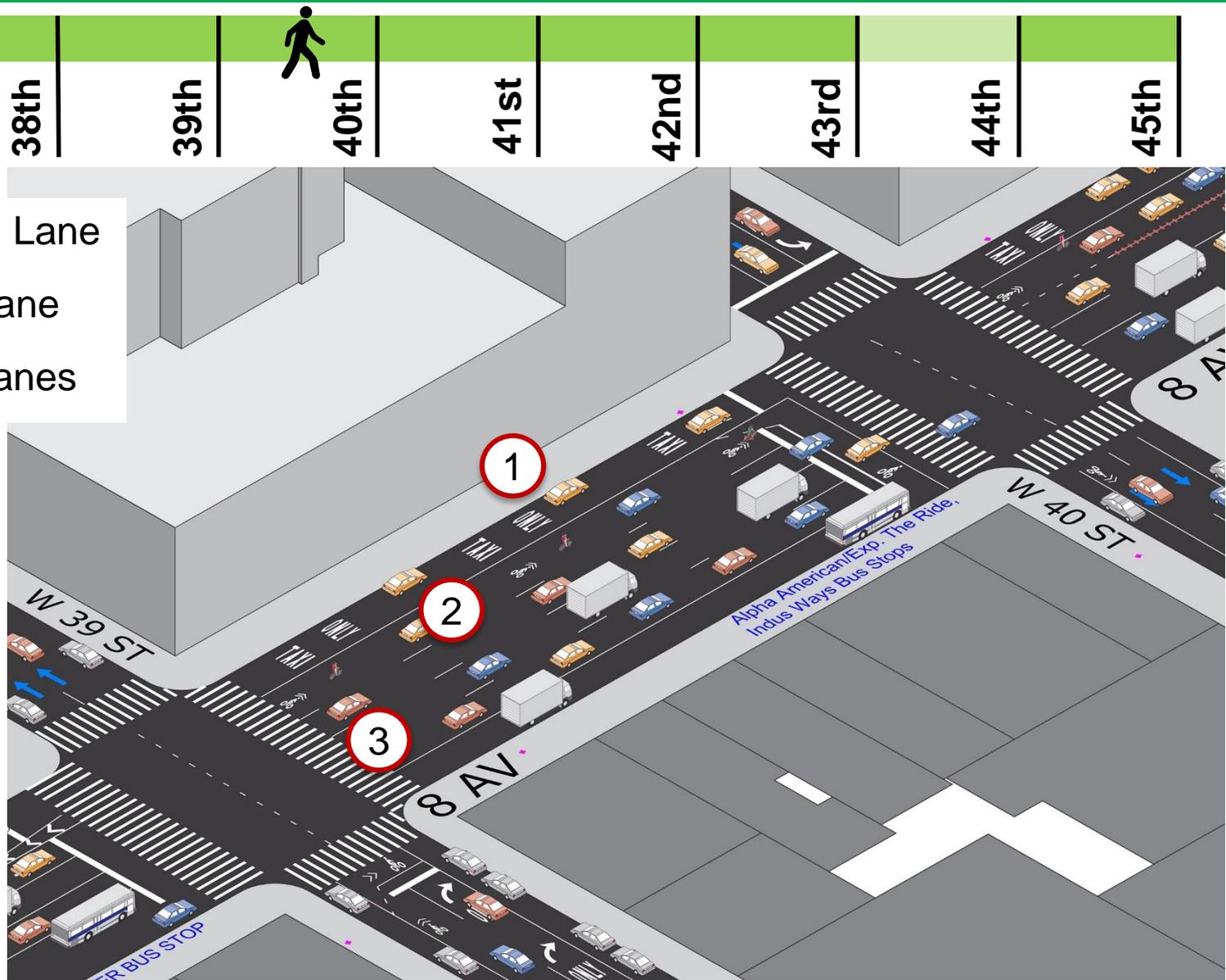
43rd

44th

45th

Existing

- 1 Curbside Taxi Lane
- 2 Shared bike lane
- 3 4 thru travel lanes



8TH AVE – 39TH ST TO 40TH ST

8TH AVENUE

Proposed

38th

39th

40th

41st

42nd

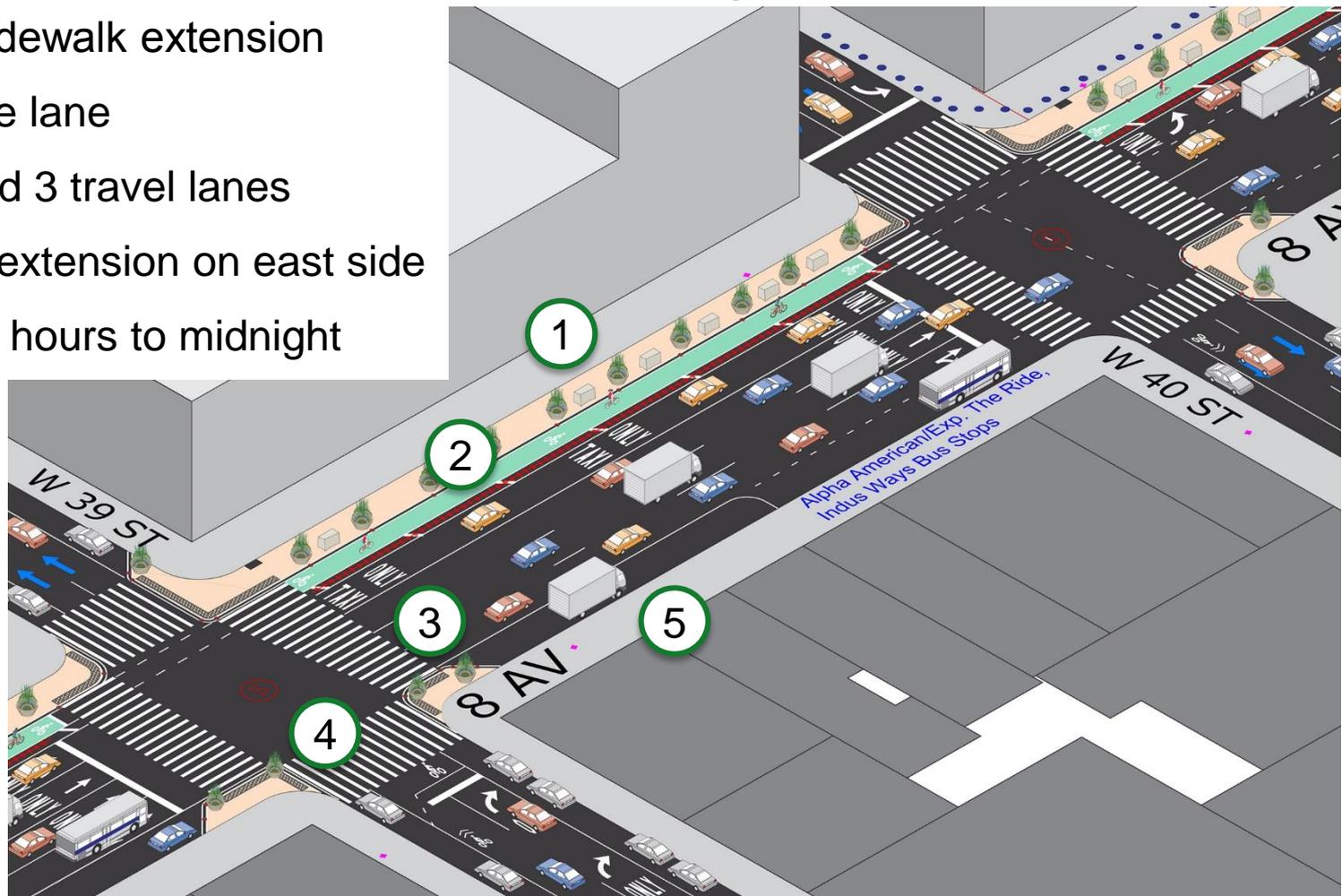
43rd

44th

45th



- 1 10' painted sidewalk extension
- 2 Protected bike lane
- 3 1 taxi lane and 3 travel lanes
- 4 Painted curb extension on east side
- 5 Extend meter hours to midnight



8TH AVE – 40TH ST TO 41ST ST

8TH AVENUE

38th

39th

40th

41st

42nd

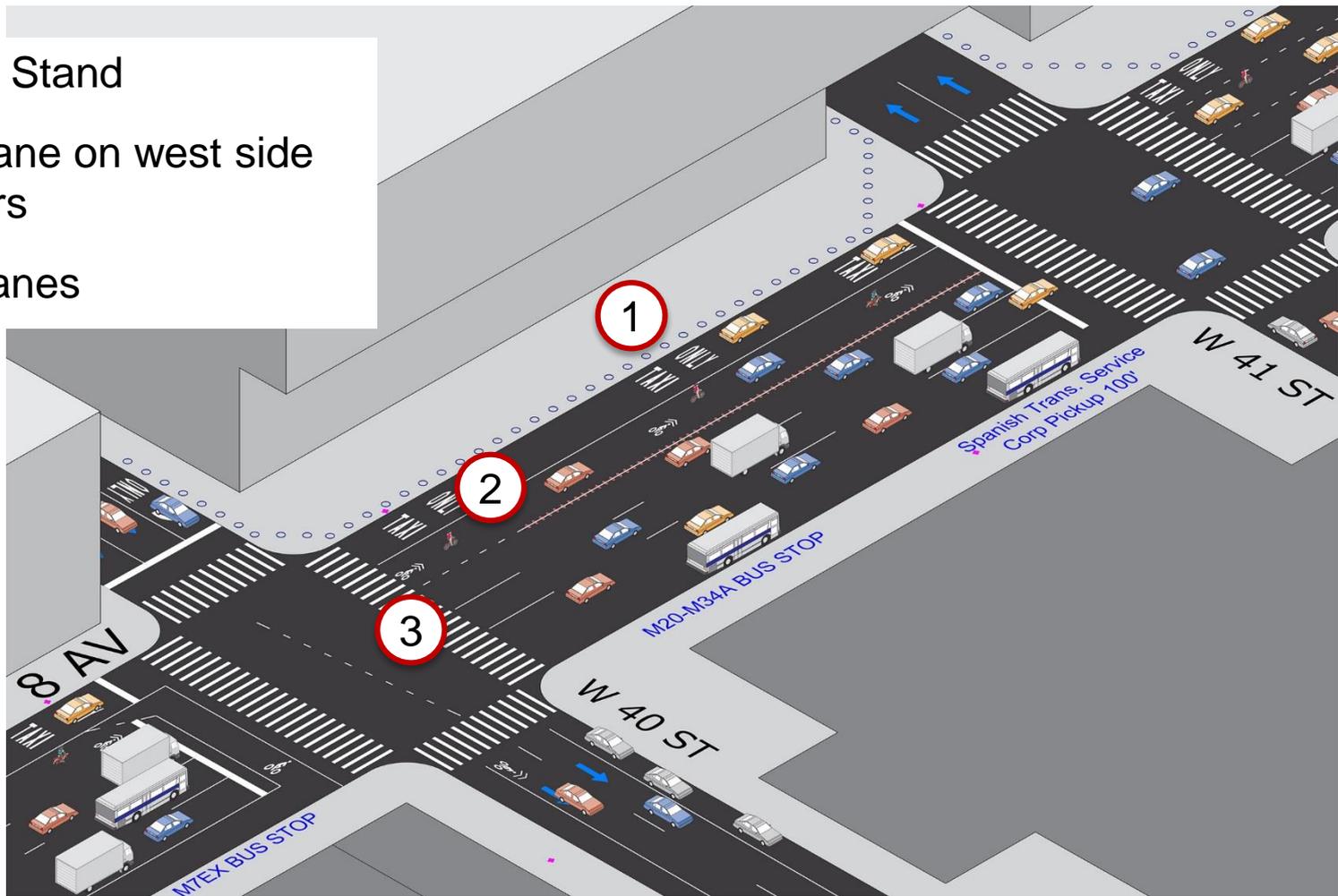
43rd

44th

45th

Existing

- 1 Curbside Taxi Stand
- 2 Shared bike lane on west side of lane dividers
- 3 4 thru travel lanes



8TH AVE – 40TH ST TO 41ST ST

8TH AVENUE

Proposed

38th

39th

40th



41st

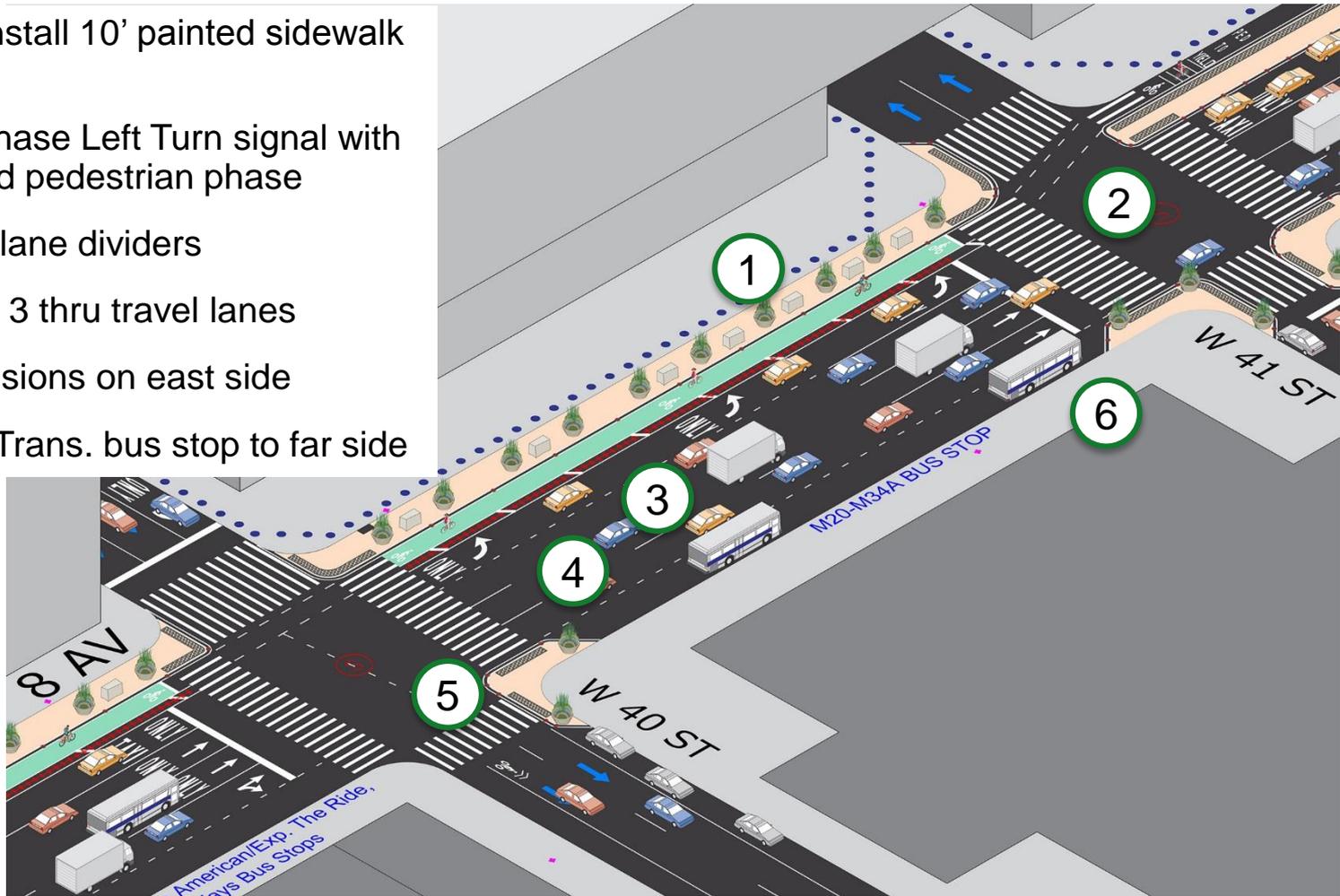
42nd

43rd

44th

45th

- 1 Close taxi stand, install 10' painted sidewalk extension
- 2 Convert to Split Phase Left Turn signal with dedicated bike and pedestrian phase
- 3 Remove vehicular lane dividers
- 4 1 left turn lane and 3 thru travel lanes
- 5 Painted curb extensions on east side
- 6 Relocate Spanish Trans. bus stop to far side



8TH AVE – 41ST ST TO 42ND ST

8TH AVENUE

Existing

38th

39th

40th

41st



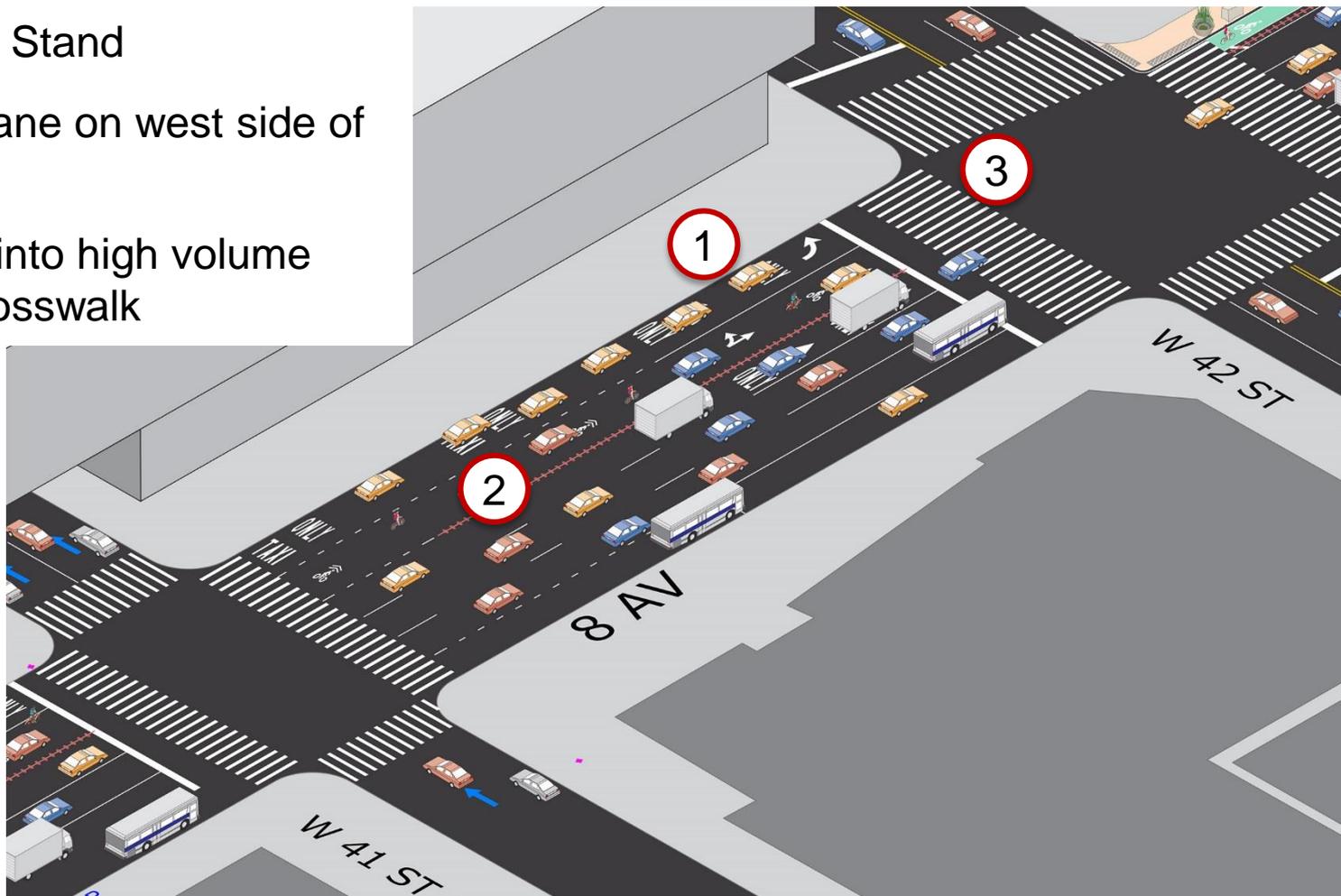
42nd

43rd

44th

45th

- 1 Curbside Taxi Stand
- 2 Shared bike lane on west side of lane dividers
- 3 Dual left turn into high volume pedestrian crosswalk



8TH AVE – 41ST ST TO 42ND ST

8TH AVENUE

Proposed

38th

39th

40th

41st



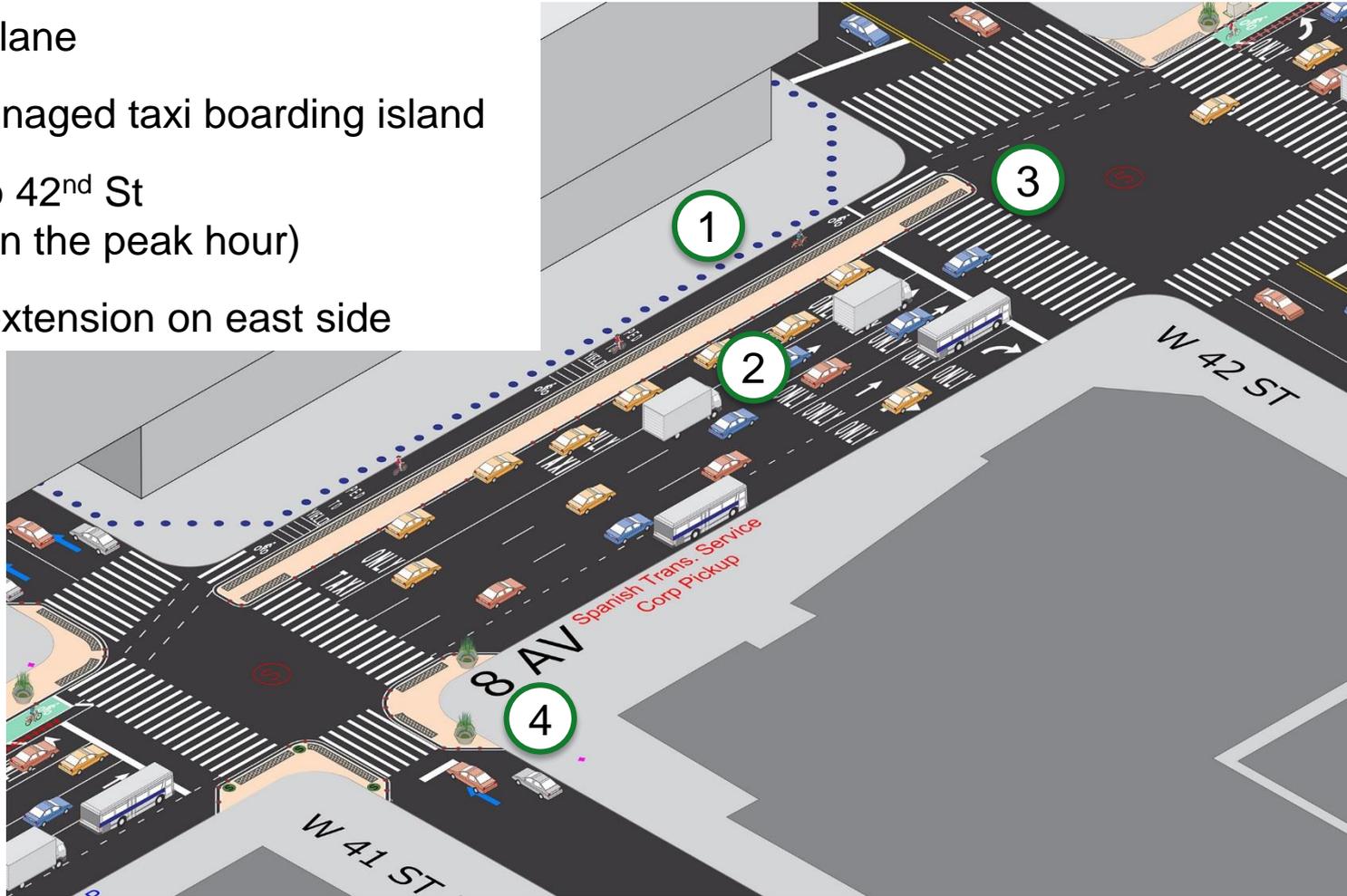
42nd

43rd

44th

45th

- 1 Curbside bike lane
- 2 Dispatcher managed taxi boarding island
- 3 Ban left turn to 42nd St
(125 vehicles in the peak hour)
- 4 Painted curb extension on east side



8TH AVE – 42ND ST TO 43RD ST

8TH AVENUE

Existing

38th

39th

40th

41st

42nd

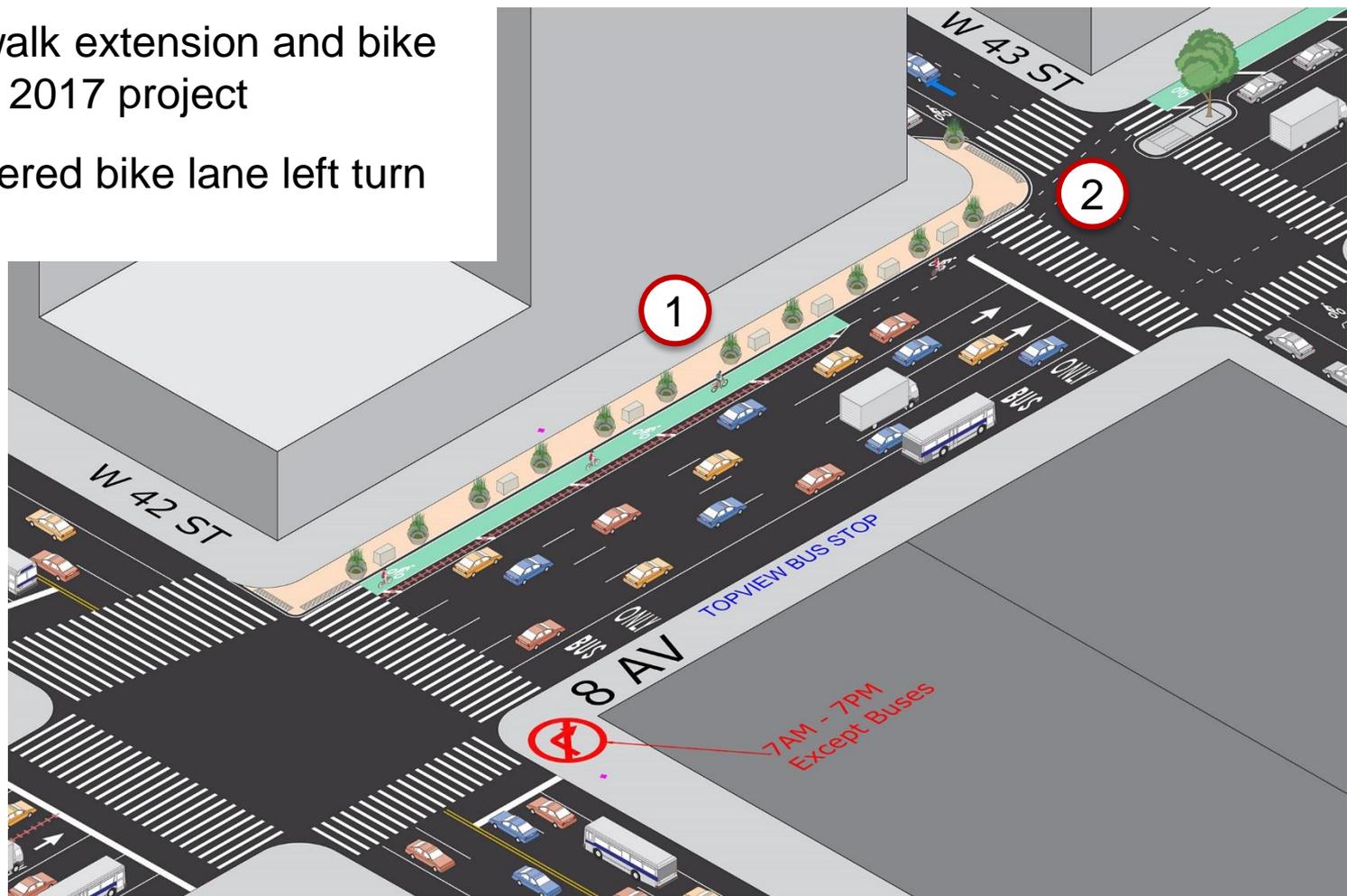


43rd

44th

45th

- 1 Painted sidewalk extension and bike lane added in 2017 project
- 2 Standard buffered bike lane left turn treatment



8TH AVE – 42ND ST TO 43RD ST

8TH AVENUE

38th

39th

40th

41st

42nd



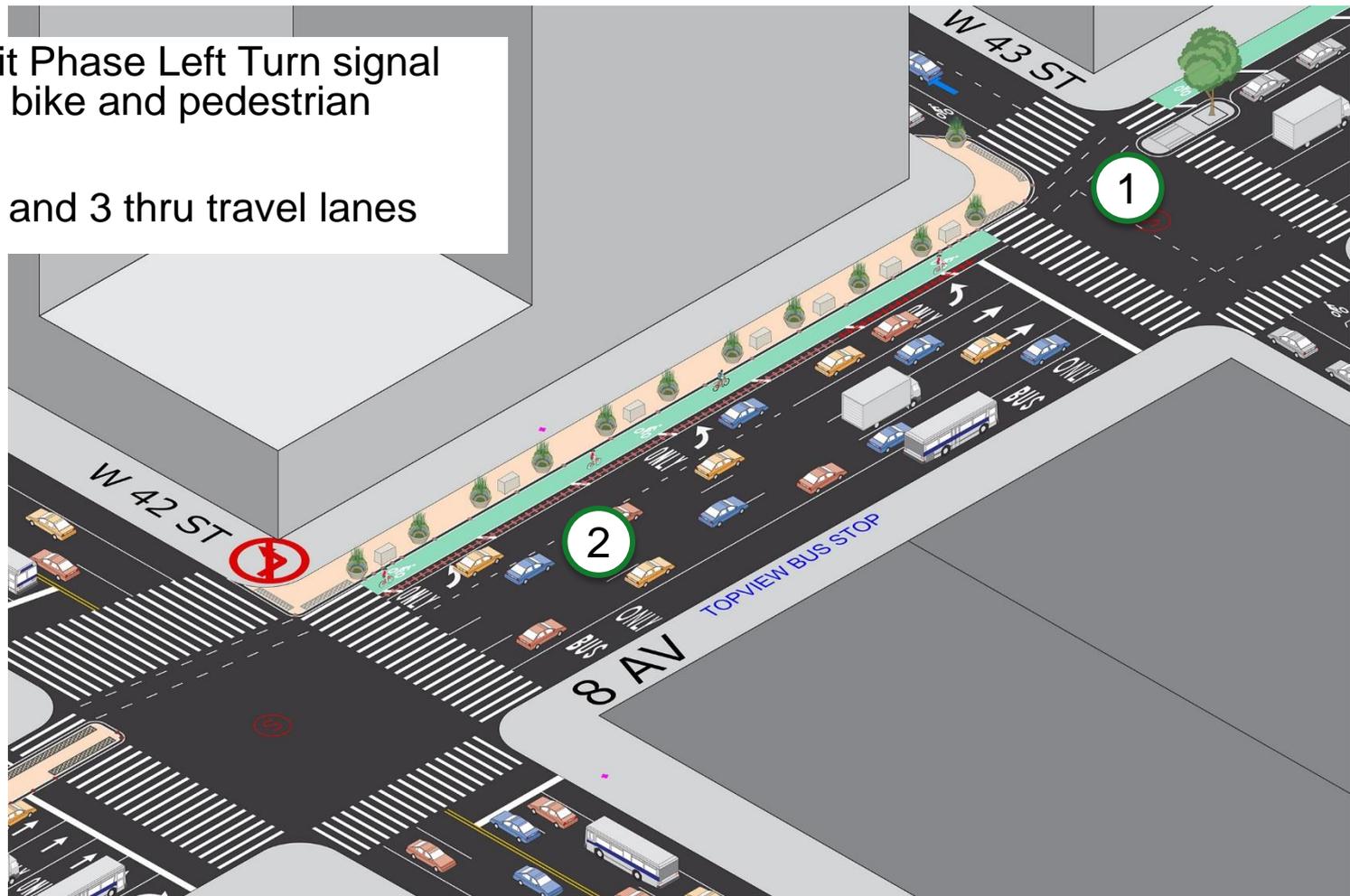
43rd

44th

45th

Proposed

- 1 Convert to Split Phase Left Turn signal with dedicated bike and pedestrian phase
- 2 1 left turn lane and 3 thru travel lanes



8TH AVE – 45TH ST

8TH AVENUE

38th

39th

40th

41st

42nd

43rd

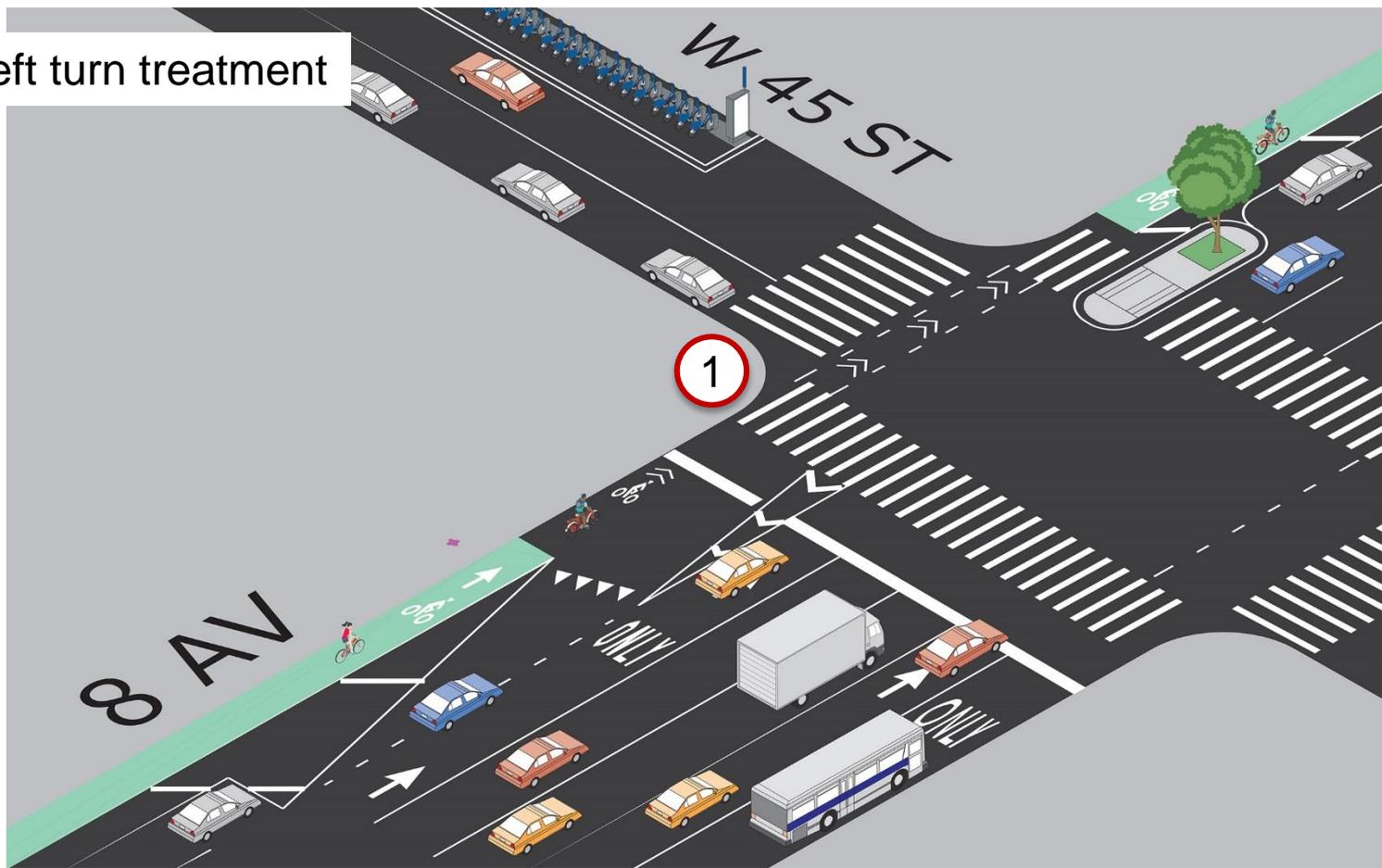
44th

45th



Existing

1 Mixing zone left turn treatment



8TH AVE – 45TH ST

8TH AVENUE

Proposed

38th

39th

40th

41st

42nd

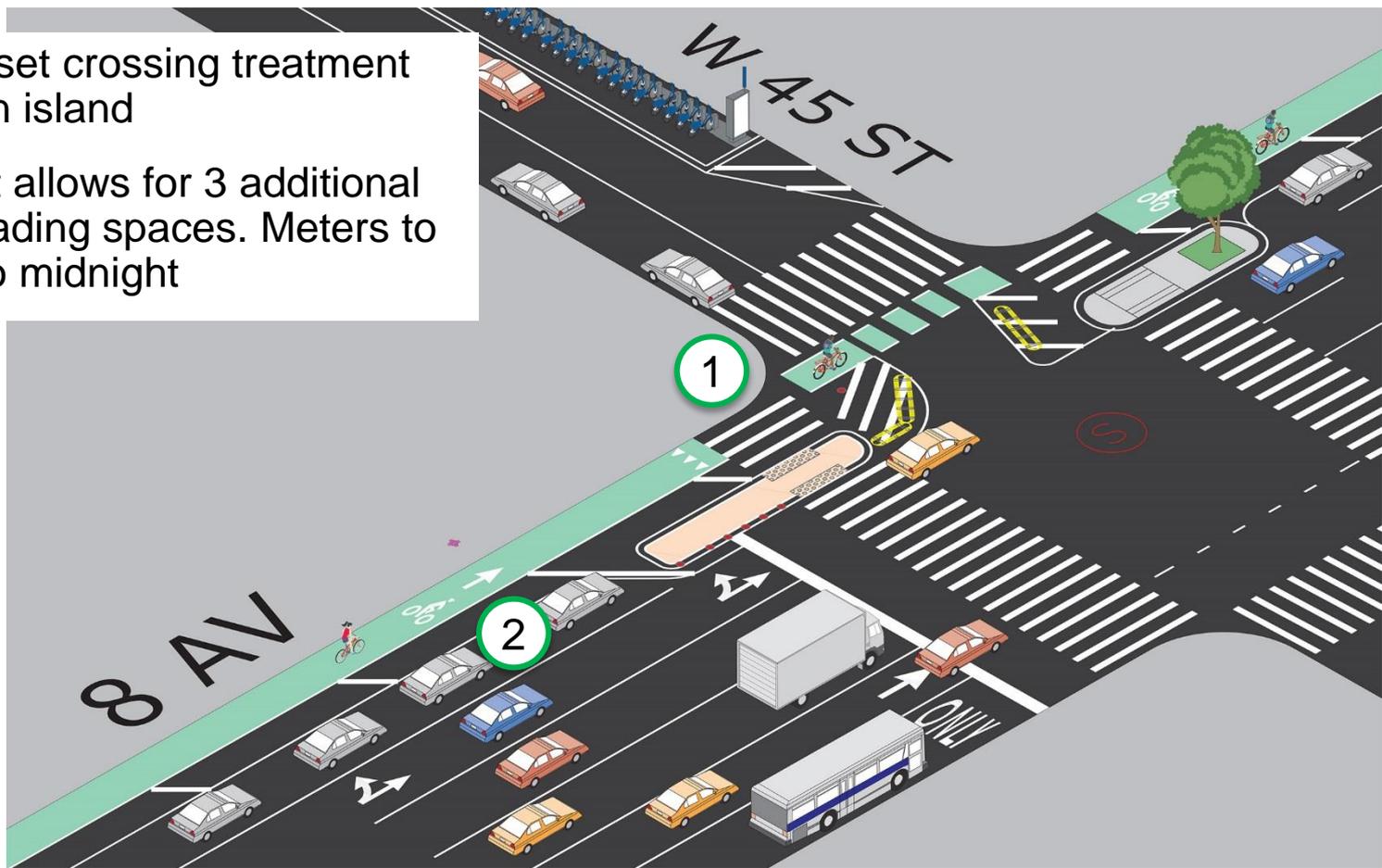
43rd

44th

45th

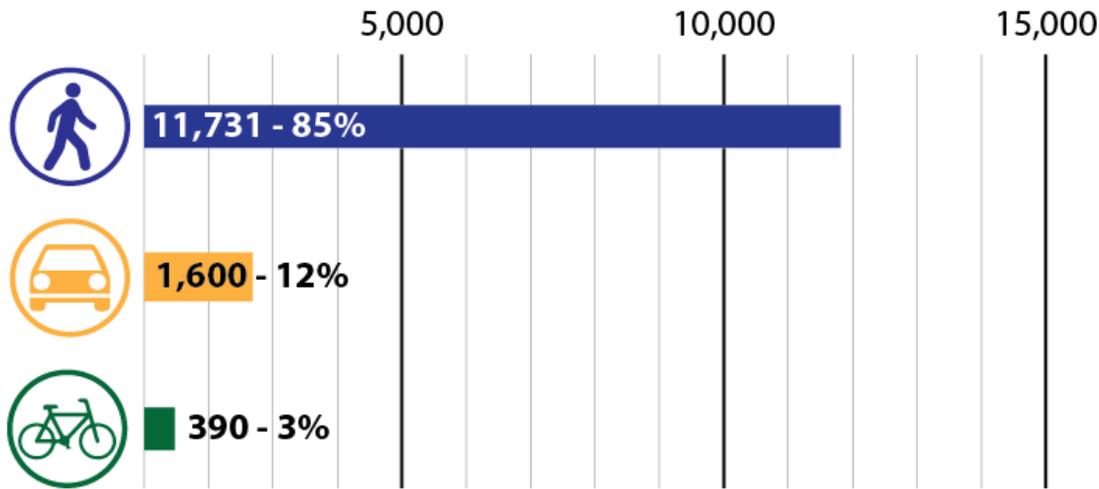


- 1 Convert to off-set crossing treatment with pedestrian island
- 2 New treatment allows for 3 additional commercial loading spaces. Meters to be extended to midnight

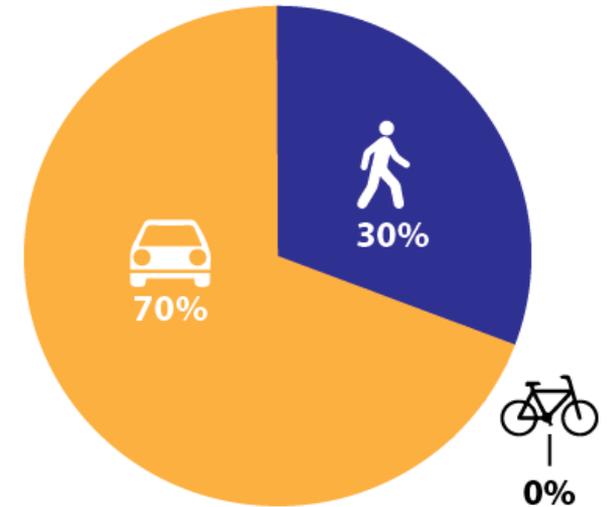


VOLUME AND SPACE COMPARISON

8th Avenue Modeshare (PM Peak Hour)

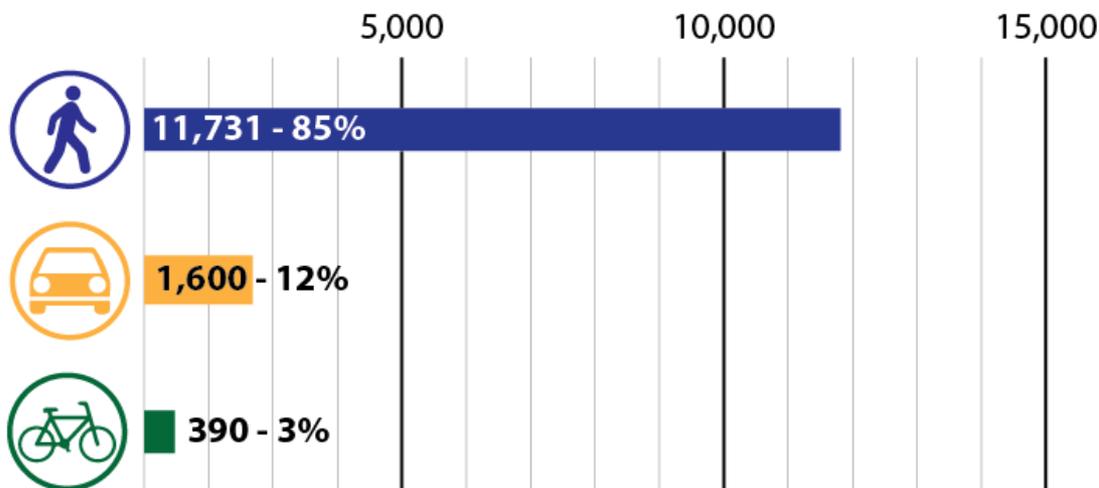


Existing 8th Avenue Roadshare

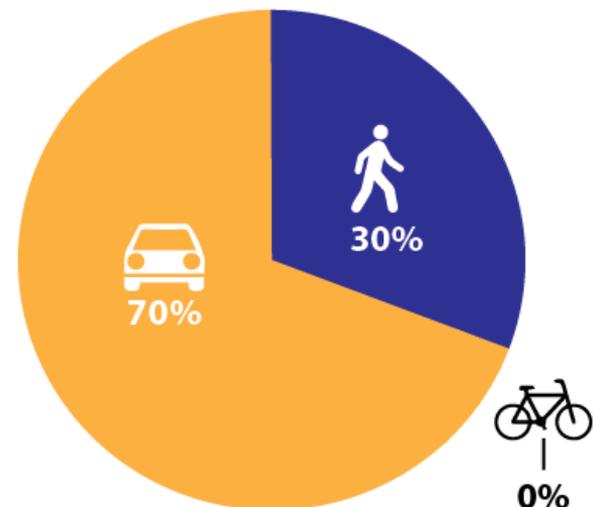


VOLUME AND SPACE COMPARISON

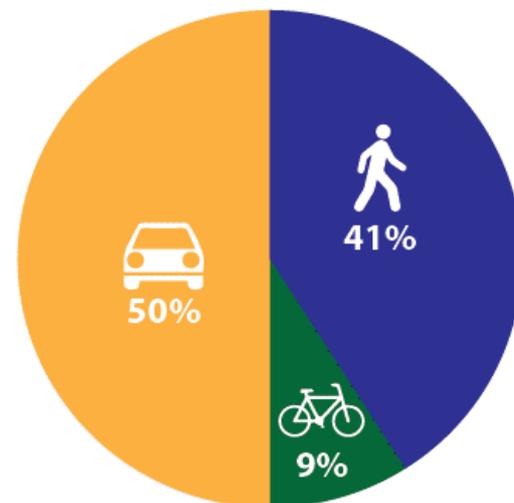
8th Avenue Modeshare (PM Peak Hour)



Existing 8th Avenue Roadshare



Proposed 8th Avenue Roadshare



- Increased sidewalk space
- Dedicated bicycle lane
- Separated vehicular turning movements

PROJECT SUMMARY

- Add 10' painted sidewalk extension
- Continue protected bike lane from 39th St to 42nd St
- Add split phase left turns at 39th St, 41st St, and 43rd St
- Ban left turn at 42nd St
- Consolidate M20 bus stop at 39th St to 41st St
- Add 6 painted curb extensions on the west side of 8th Ave
- Taxi boarding island at Bus Terminal
- Offset crossing for bicycles at 45th St



THANK YOU!



NYC DOT



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