

Metropolitan Avenue Bicycle Route



New York City Department of Transportation
Presented to Brooklyn CB1 Transportation Committee on September 1, 2016



Background

Project Timeline



2012/2013

Route identified as an important connection between existing bike facilities, linking Williamsburg to Ridgewood

June 2014

Preliminary proposal presented to Brooklyn CB1 Transportation Committee

March 2015

Held site visit with local businesses to discuss issues and concerns with Metropolitan Avenue

Spring 2015

Proposal revised based on community input and traffic analysis, and presented to Brooklyn CB1 Transportation Committee and Full Board

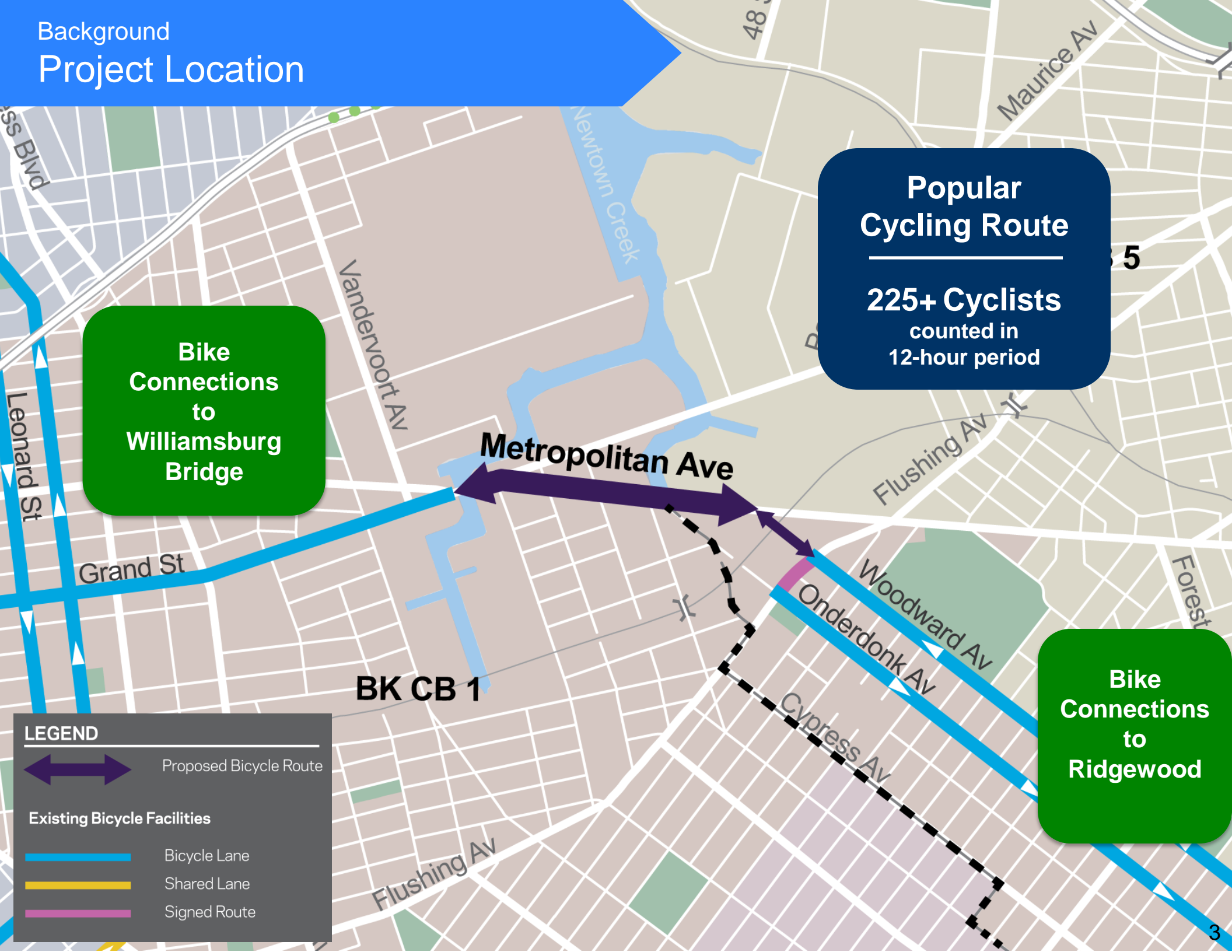
Winter 2015/Spring 2016

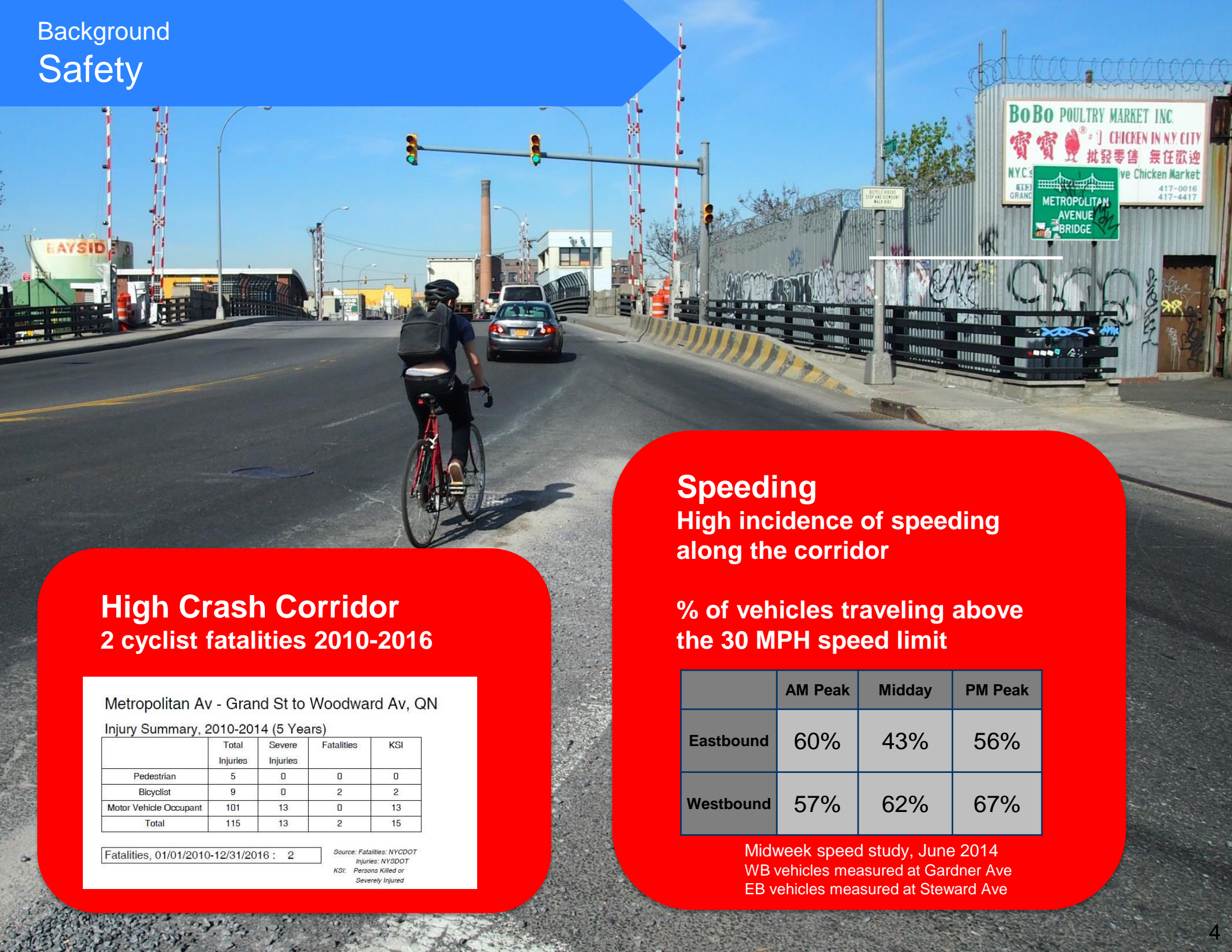
Continued evaluation of design alternatives

June 2016

Presented to the full board. No concerns raised.

Background Project Location





High Crash Corridor 2 cyclist fatalities 2010-2016

Metropolitan Av - Grand St to Woodward Av, QN
Injury Summary, 2010-2014 (5 Years)

	Total Injuries	Severe Injuries	Fatalities	KSI
Pedestrian	5	0	0	0
Bicyclist	9	0	2	2
Motor Vehicle Occupant	101	13	0	13
Total	115	13	2	15

Fatalities, 01/01/2010-12/31/2016 : 2

Source: Fatalities: NYCDOT
Injuries: NYSDOT
KSI: Persons Killed or
Severely Injured

Speeding High incidence of speeding along the corridor

% of vehicles traveling above
the 30 MPH speed limit

	AM Peak	Midday	PM Peak
Eastbound	60%	43%	56%
Westbound	57%	62%	67%

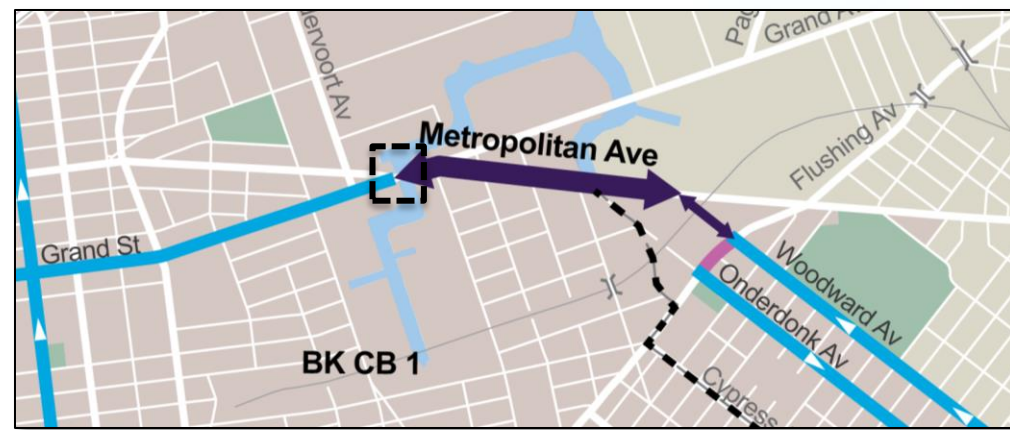
Midweek speed study, June 2014
WB vehicles measured at Gardner Ave
EB vehicles measured at Steward Ave

Existing Conditions Grand Street



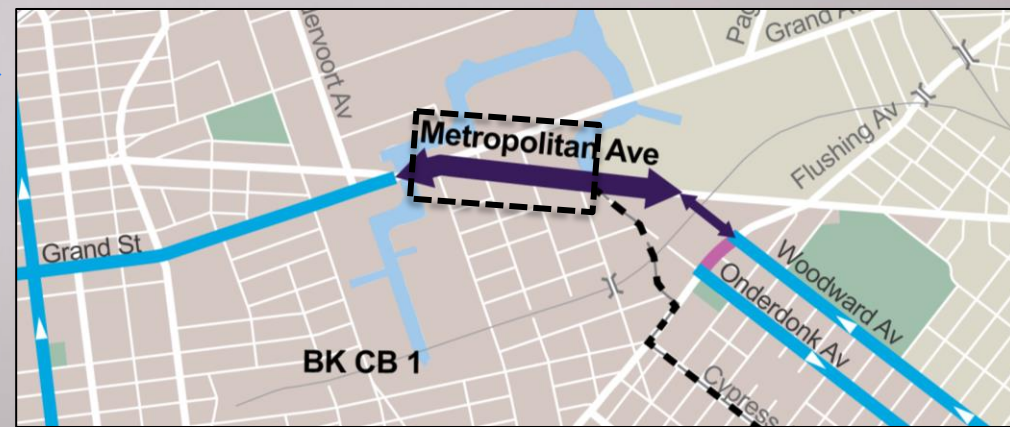
Grand Street bet Morgan Ave and Catherine St, looking west

Existing Conditions Metropolitan Ave Bridge



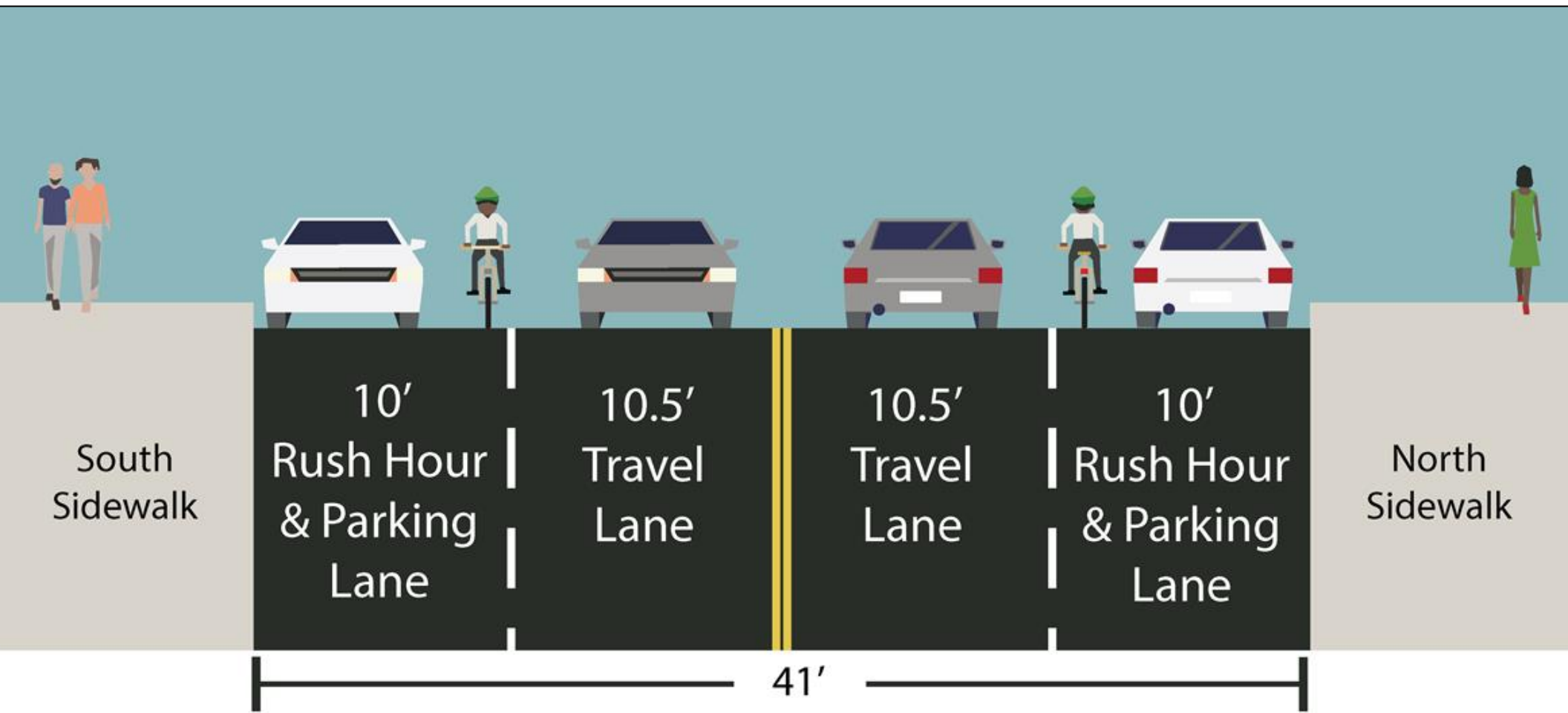
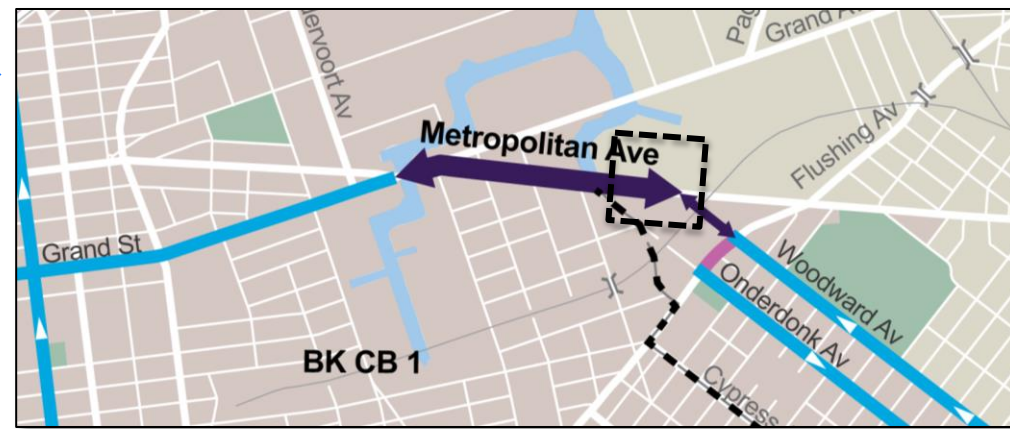
Metropolitan Ave Bridge,
looking west

Existing Conditions Metropolitan Ave



Metropolitan Ave bet Gardner Ave and Scott Ave, looking west

Existing Conditions Metropolitan Ave



Metropolitan Ave bet Onderdonk Ave and Woodward Ave, looking west

Proposed Improvements Grand Street — Vandervoort Ave and Split

Existing



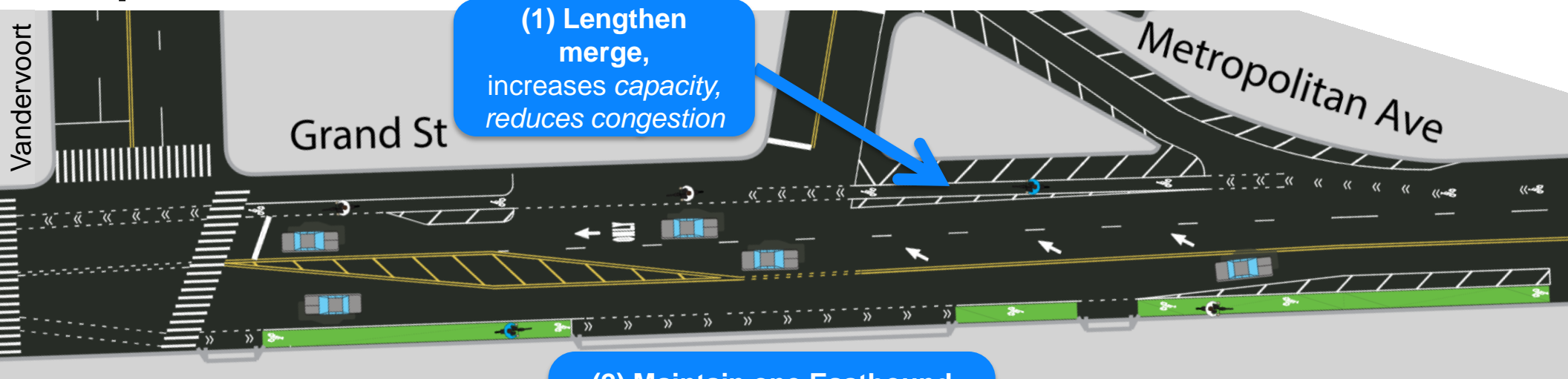
(1) Westbound traffic merges abruptly after bridge



(3) Roadway widens to two lanes at bridge eastbound

(2) Existing bike lanes end at bridge

Proposed

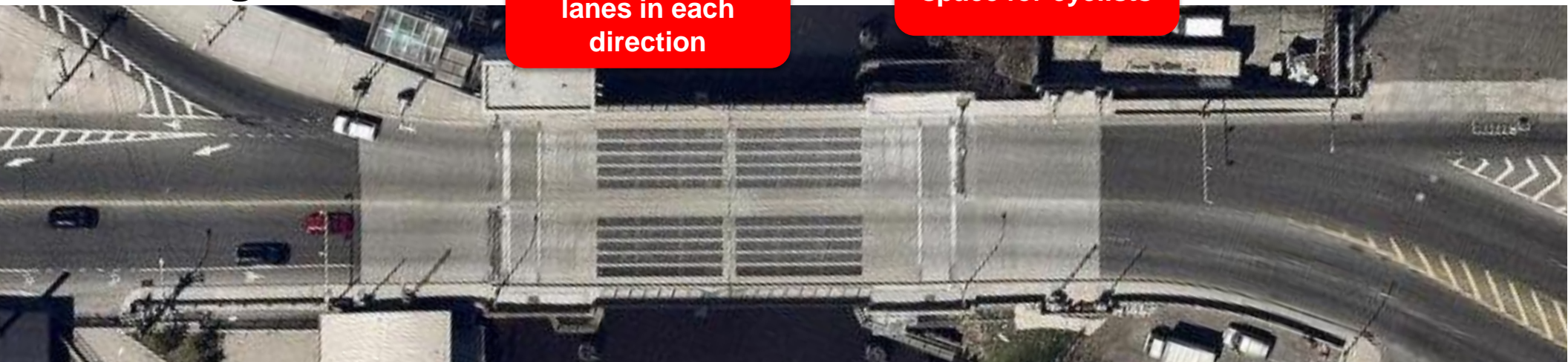


(1) Lengthen merge, increases capacity, reduces congestion

(2) Maintain one Eastbound travel lane over the bridge, organizes street space, increases safety

Proposed Improvements Metropolitan Ave Bridge

Existing

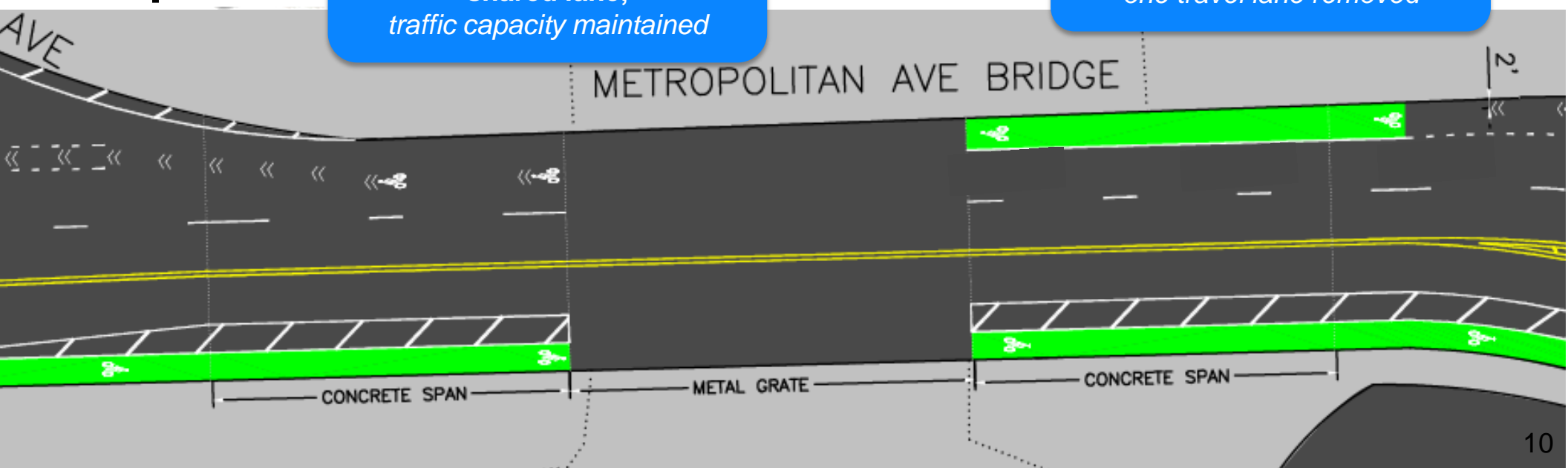


(1) Two travel lanes in each direction

(2) No dedicated space for cyclists



Proposed



(1) Westbound:
Curbside bike lane and
shared lane,
traffic capacity maintained

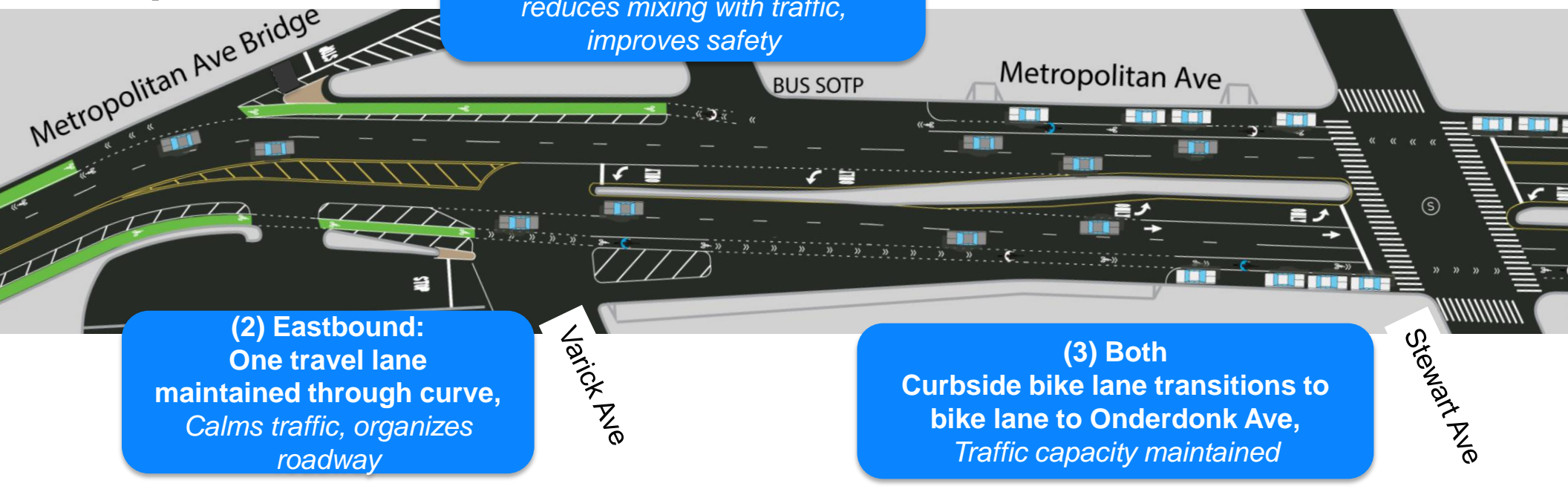
(2) Eastbound:
Buffered curbside bike lane,
one travel lane removed

Proposed Improvements Metropolitan Ave — Bridge to Stewart Ave

Existing



Proposed



Proposed Improvements Metropolitan Ave — Stewart Ave to Onderdonk Ave



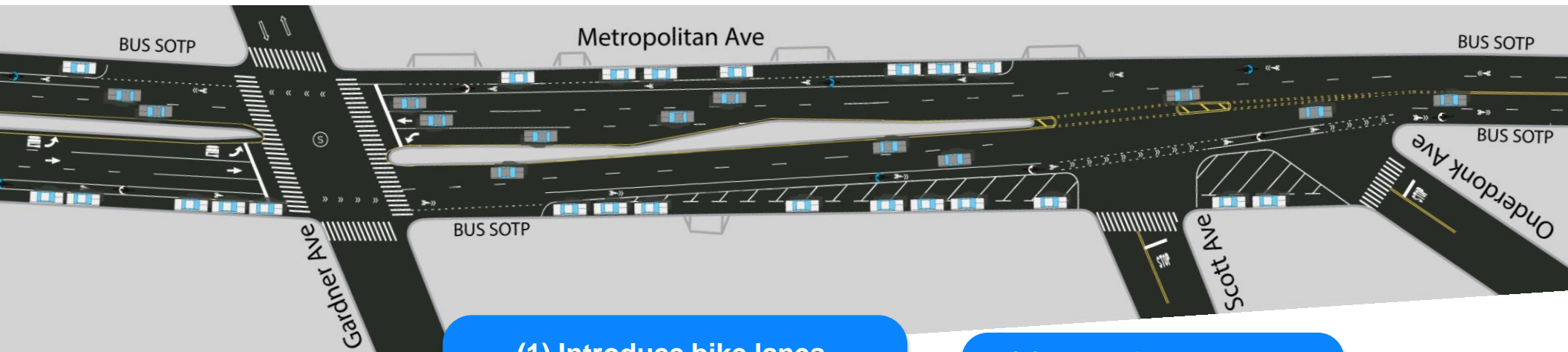
Existing



(1) No dedicated space for cyclists

(2) Wide lanes encourage speeding

Proposed



(1) Introduce bike lanes,
maintain traffic capacity,
provides
dedicated space for cyclists

(2) Establish standard
width travel lanes,
Calm traffic, discourage
speeding

Proposed Improvements

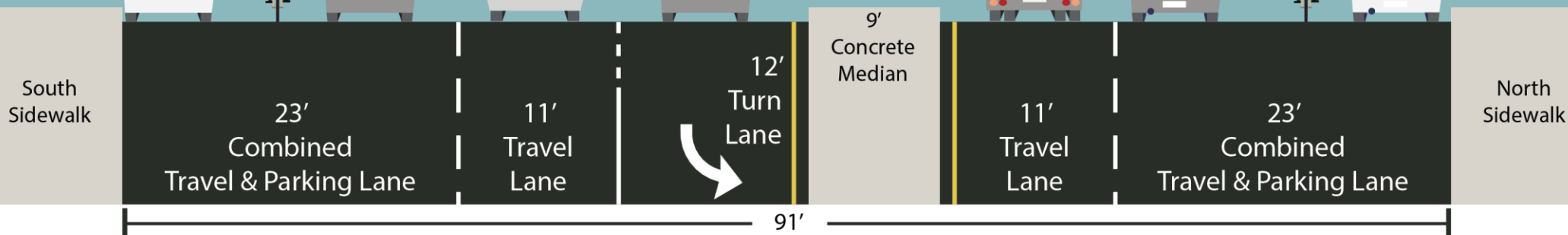
Metropolitan Ave — Stewart Ave to Onderdonk Ave



Existing

(1) No dedicated space for cyclists

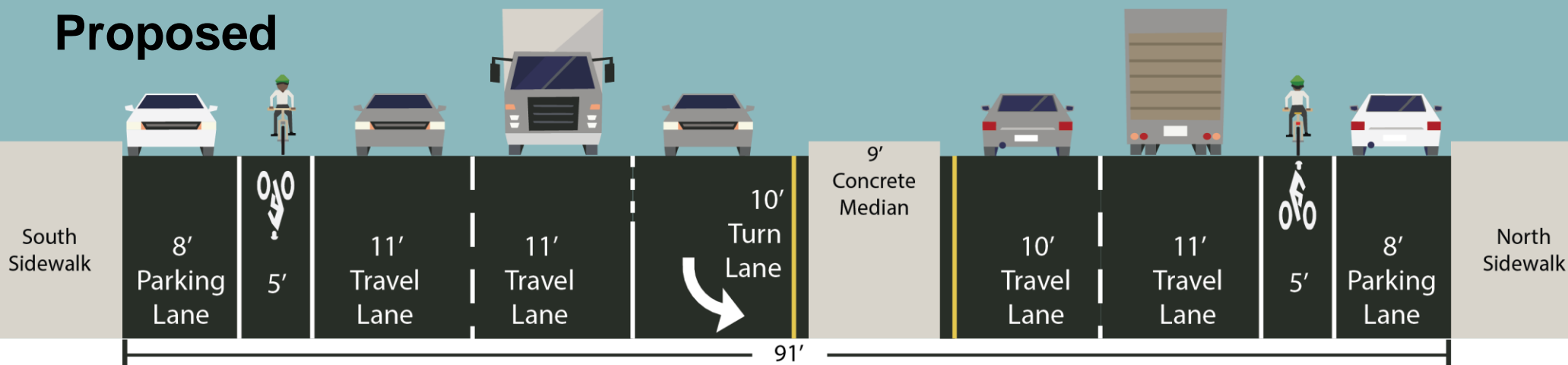
(2) Wide lanes encourage speeding



Proposed

(1) Introduce bike lanes and maintain traffic capacity,
Organizes street space, provides dedicated space for cyclists

(2) Establish standard width travel lanes,
Calm traffic, discourage speeding



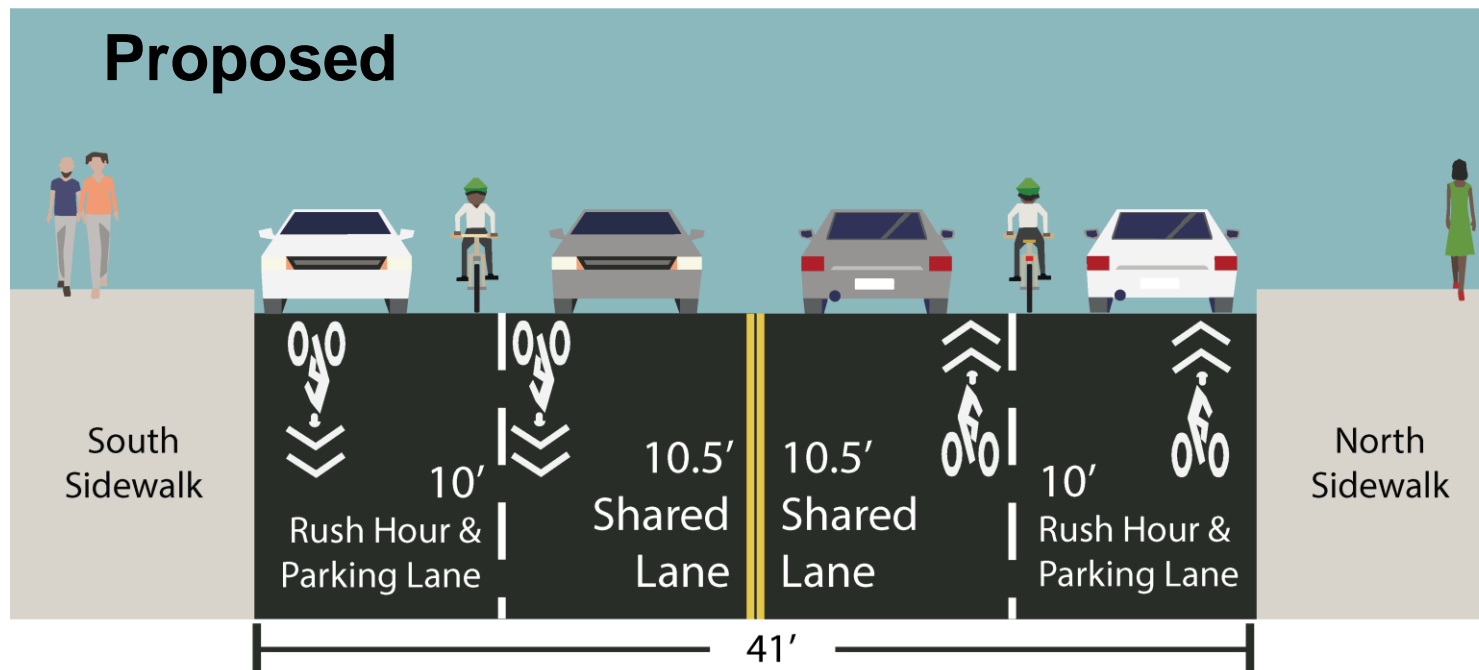
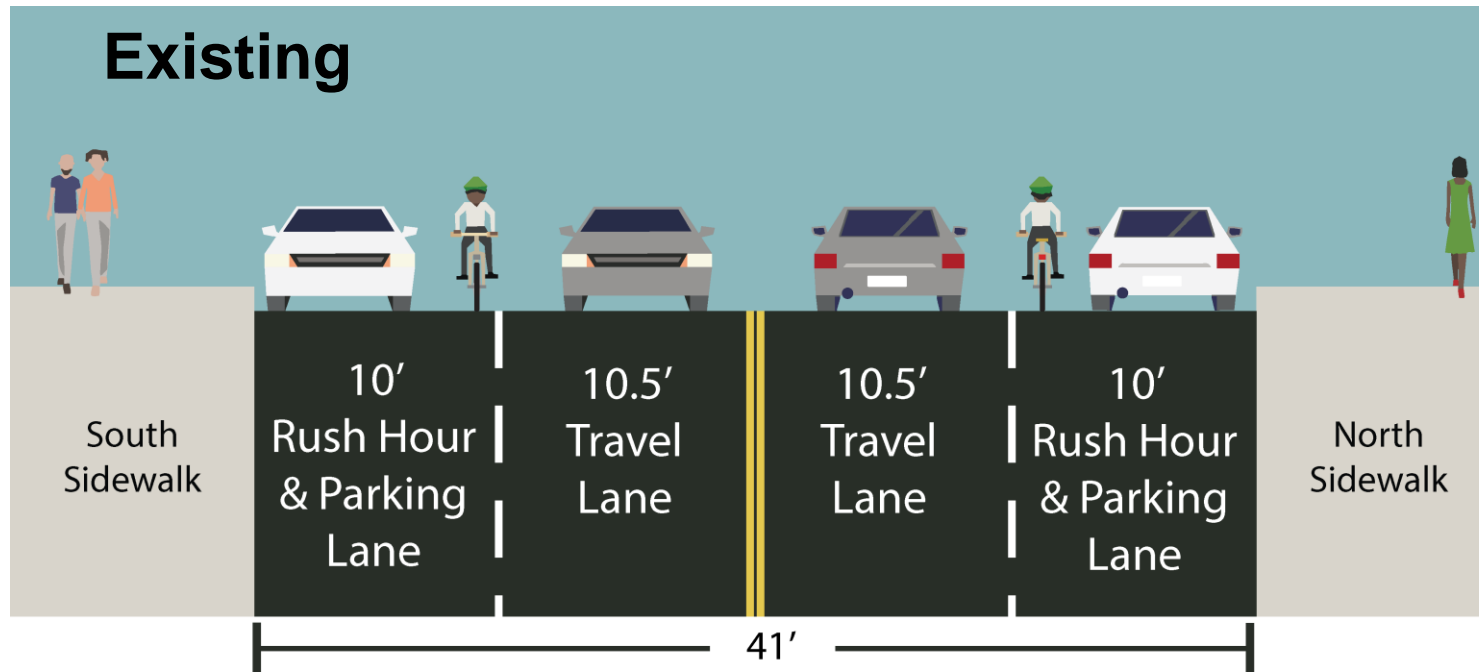
Proposed Improvements

Metropolitan Ave — Onderdonk Ave to Woodward Ave



(1) No dedicated space for cyclists

(2) Rush hour regulations create potential for confusion



(1) Introduce double shared lane, guides cyclist travel

(2) Makes connection to Woodward Ave, links to Ridgewood

Summary

- Expands the bicycle network creating dedicated space for cyclists
- Improves bicycle connections between Brooklyn and Queens
- Reduces speeding
- Improves safety for all road users



Questions?

Thank
You