



**Department of
Design and
Construction**

PARSONS

Long Island City/Hunters Point Area-wide Reconstruction Queens, NY

CB2 Meeting
November 3, 2016

Project ID HWQ788
New York City Department of Design and Construction

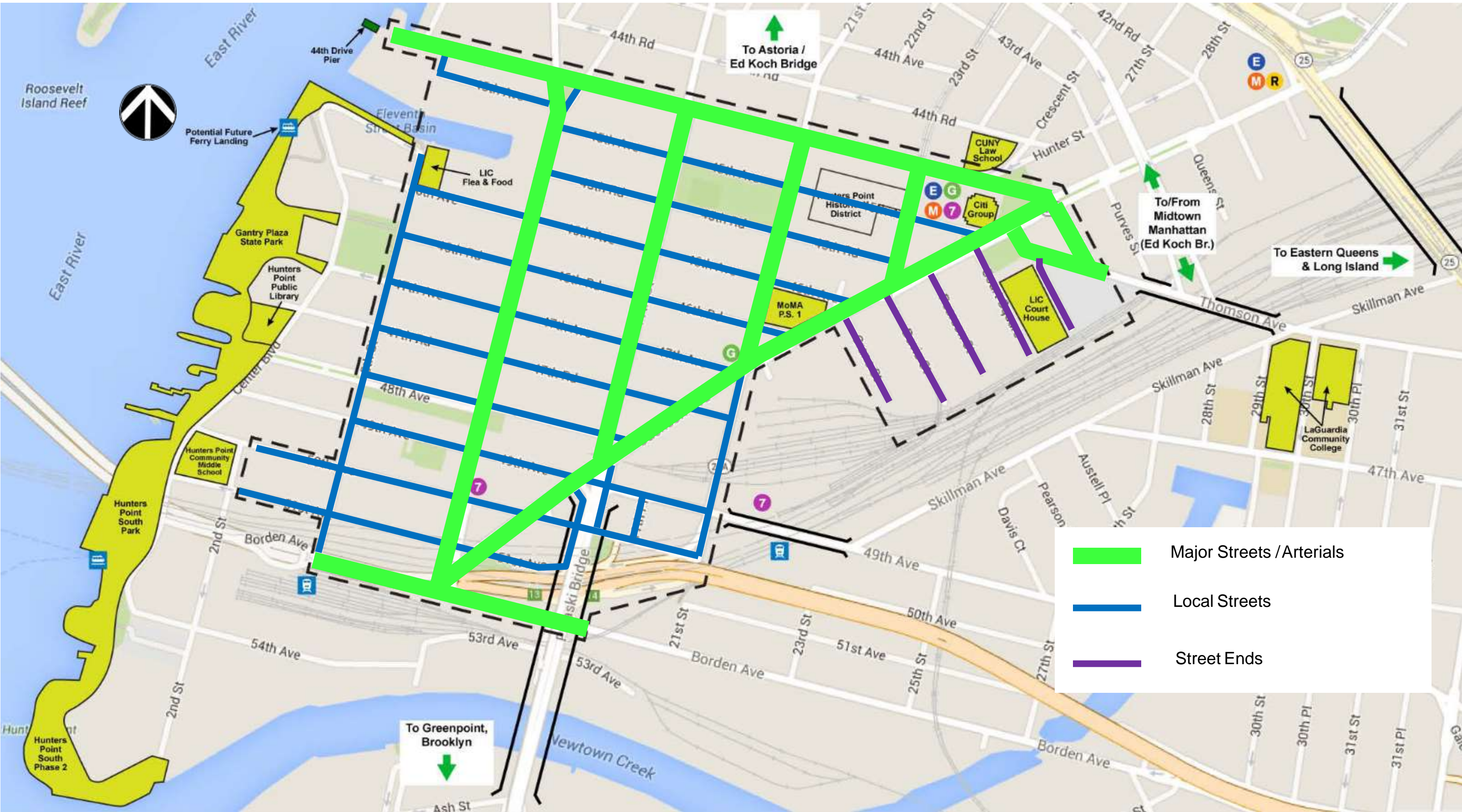
PROJECT SCHEDULE

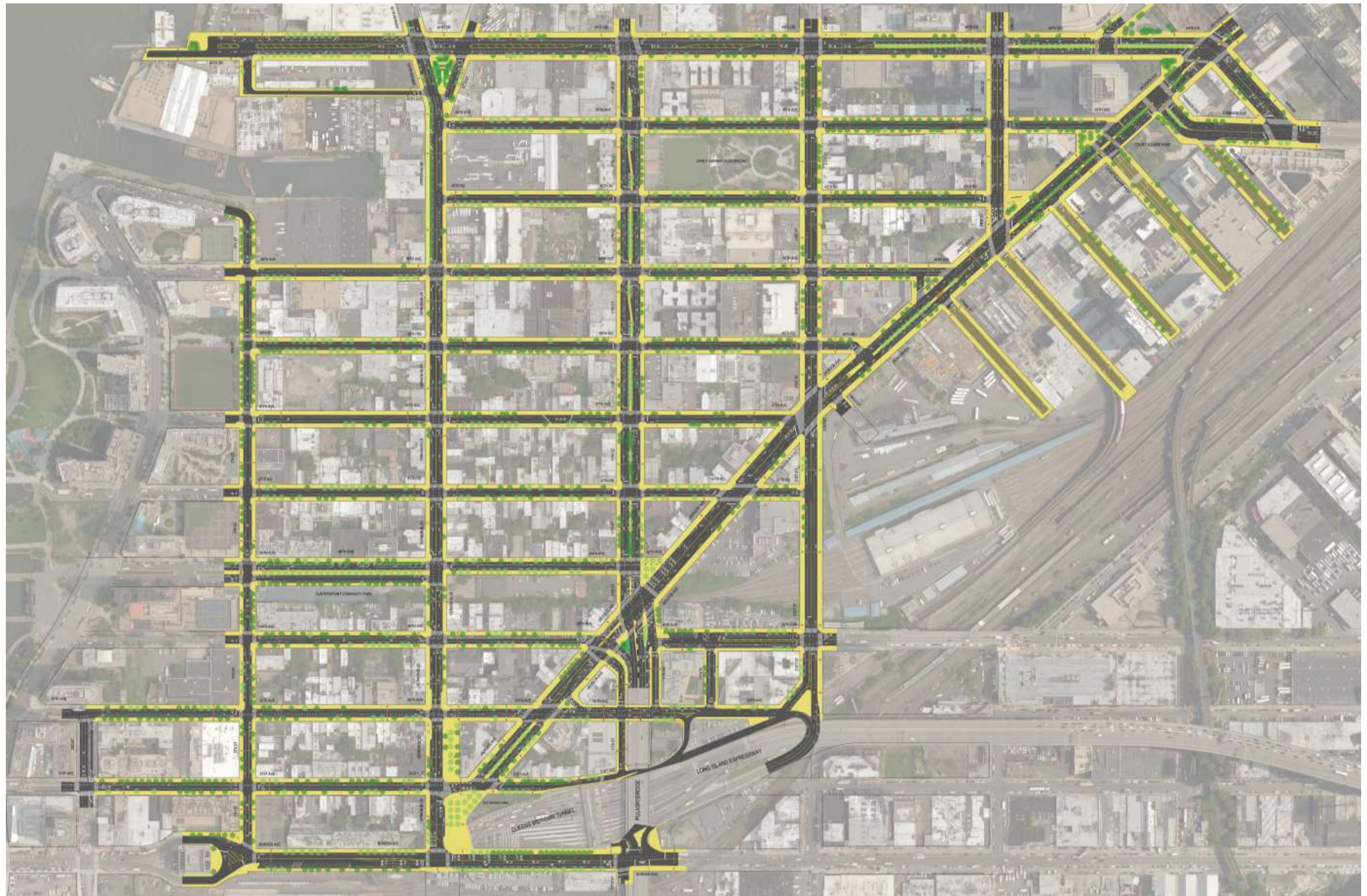
Preliminary Design

- Project Kick-off: End of 2014/Start of 2015
- Inventory and Analysis (survey, traffic, trees, etc.): Jan 2015-Present
- Community Workshop: December 9th 2015
- Design Development
- Community Board Review: February 2016
- Public Design Commission Review (Conceptual): April 2016
- Community Board Review: May 2016
- Community Open House: June 20th, 2016
- **Community Board Final Review: Late Fall 2016**
- Preliminary Design Completion: Winter 2016

Final Design

- Capital funding of ~\$38m for Phase 1
- Phase 1 project limits to be determined





OPEN HOUSE NOTES

LOCAL STREETS

MORE TRUCKS
CLOSE TO TRAIL
25 O.C.
(EVAL)

TRUCKS FROM
ON VERNON
NORTH OF
44TH AVE.
GET STUCK

SPEEDING
47TH
46TH
45TH
MORT
25 MPH
SIGNS
5TH ST:
SANDY LIMIT
OR W/
PARKING
TRAFFIC

SIGNALS
TRUCK RTES
TRUCKS
STUCK ON
LOCAL
STREETS

51ST AVE
BETW VERNON/5TH
ST.
UNDERGROUND
VAULTS
ROADWAY
COLLAPSE

REMOVE TRUCKS
FROM PULASKI
BRIDGE.
(TAKE GREENWOOD
BRIDGE)

5TH ST + 49TH
ADD X-WALK
TO NORTH
SIDE CROSSING
5TH ST.

5TH STREET

ONE WAY
DOWN
5TH ST
MEETING
2-WAY @
5TH AVE:
BIG SOURCE
NOT IN UP RM
W/CARS BOTH
SIDE. REMOVE
ONE SIDE PARKING

Art to look into sherrours
with green box

49TH BOW
5TH + VERNON:
UTIL POLES
SHAKY

47TH RD
WEST OF 5TH ST
CONVERSION OF
2-WAY TO 1-WAY

11TH STREET

Need real bike
lane here. Way
too dangerous on
the existing shared use
lane.

VERNON HUB

WIDEN PRZ @ BORDEN
TREE
AUSTIN ST, FORMER HILLS
IN RESIDENTIAL PARKING
5TH ST OTW 4TH & 5TH
IN PD PARKING
BUS STOP -
HUBBY PEOPLE

ALT SIDE PARKING
PS 78 - PRE-SCHOOL + K
IN 4TH @ CENTER
BOTH EMPTY LOT on BORDEN
HERE TUMBLER + LIGHTING
PULASKI ROAD @ 5TH + PULASKI

PULASKI/11TH ST/49TH AVE/48TH AVE

Cars come WB on 49th
Ave and turn onto
Pulaski

Cars come WB on 49th
Ave and turn onto
Pulaski

Pigeon netting for
under the Pulaski Br.
More lighting
Drainage is a problem.

SNY - request trash
cans esp on 11th St

Great improvements!
Check if a stop sign even
existed at 46th of 5th St

Bike facilities under
the Pulaski - hard to
get from Pulaski to
49th Ave EB

bike path
is better

Additional lighting at
46th Ave of 5th St
- difficult to see

JACKSON AVE

Proposal to put BOX on Vernon + Jackson
* Bridge for light rail to Manhattan Avenue
* Turn Vernon Blvd from 5TH Ave to 49TH St
into a pedestrian only road
* Strip lanes on 46TH Ave (bikes) but safe
cross walks from Crown Ave

* Express bus route on 5TH Ave from 49TH St
connecting to 46TH St + 47TH St
* Parking area should be marked with
to allow more turnover (Pulaski/11th St)
* Characterize Corridor into 4TH Ave. Add
traffic light + crosswalk

Lights on 21ST Street - ignore
45TH Ave. Fix timing
49TH Avenue (bikes) - many
not

* Propose traffic island at south end of
45TH Ave + Vernon/Jackson
* Buses bus stops close together / merge
w/ CTA to reduce # of stops + add
parking
* Light extended median at Jackson Ave
+ 45TH Ave

21ST STREET AND 23RD STREET

Advocate for
Bike lanes on
21st St.

Art to look into sherrours
with green box

Lighting on
23rd

Long signal wait
@ Jackson +
4TH Ave

Concern about
left turning onto
Jackson Ave. for
vehicles

VERNON BLVD

Pedestrianize
Add trolley
connect...

Bike Markings -
N. of 49TH Ave
collective do mark
at 30th

OPEN HOUSE NOTES

GENERAL COMMENTS

Truck rental place on 44th - trucks line up - pull sidewalks in bad condition, on sidewalk	On 5th / 49th to 48th Ave All cop parking - no parking for cars.	50th & Vernon don't think our design is complete - concerned about loss of parking.	Need bollard at new pulaski bike lane - some sort of sign	bus stops - 3 in a row on Vernon from 50th - can we eliminate one?
Issues on Central - need traffic calming.	Speeding 48th Ave Center Blvd to 5th St want a speed bump b/w Center & 5th and 5th to Vernon	West West sidewalk of Vernon 46th Ave to 44th St sidewalk in front of glass place is blocked	51st Ave - 200' in roadway is collapsing. old vaults in area 8" drop - significant gash	No Stop sign at Center and 47th Ave entrance to park - dangerous.
In general - more trees, better roads	5th - where it becomes two way not enough for two lanes & 2 parking lanes.	Speeding is a problem on Center. Issue with lack of crosswalks.	Need Stop sign where LIC Flies 46th & 5th	Vernon - truck traffic. bikes going around double parked trucks. busy deli at Vernon 49th/50th deliveries double park all the time.
48th Avenue - Vernon to 5th to Center Center will be a disaster. Different need from 5th to Center Center	Trailers block sidewalks - in bicycle lane. Can't see to walk around trailers during rush hour (44th/Vernon)	48th Ave at 5th Street Very poor lighting - can't see people crossing. Need school crossing guard.	More comment to access under Pulaski bridge at 50th Ave <ul style="list-style-type: none">- poorly lit- pigeon issues- drainage problems for pipe off pulaski	
Don't want bike path in front of pre-school	49th Ave at 5th there is an existing crosswalk - difficult for cars to see around parked cars.	Can't park in front of church - put bus pad there - eliminate another one.	Want stop sign at 46th Ave and 5th.	

Long Island City/Hunters Point Street Reconstruction: Priority Areas for Phase 1

June 20, 2018



COMMUNITY
PRIORITIES

- 1st Priority
- 2nd Priority
- 3rd Priority



Vernon/Jackson Hub: 50th Avenue to Borden Avenue



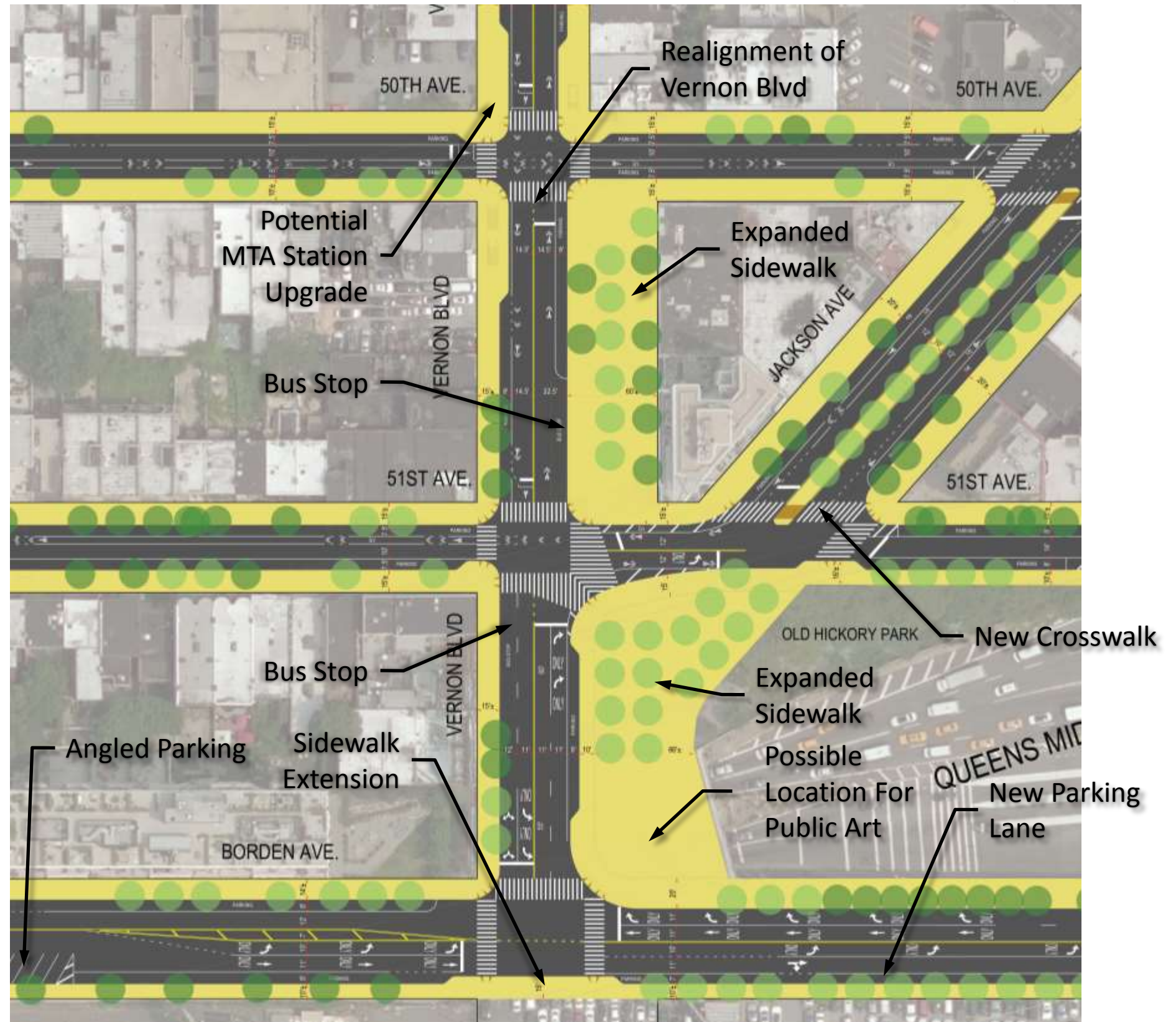
- Intersection is difficult to navigate.
- Long, difficult crossings and few pedestrian refuges.
- Lacks pedestrian connection from the east side of Jackson Avenue to Old Hickory Park.
- Congestion on Vernon Blvd during commute hours.
- Trucks use Vernon Hub to get to and from the Long Island Expressway and Pulaski Bridge.
- Vehicles park illegally and impede pedestrian access.



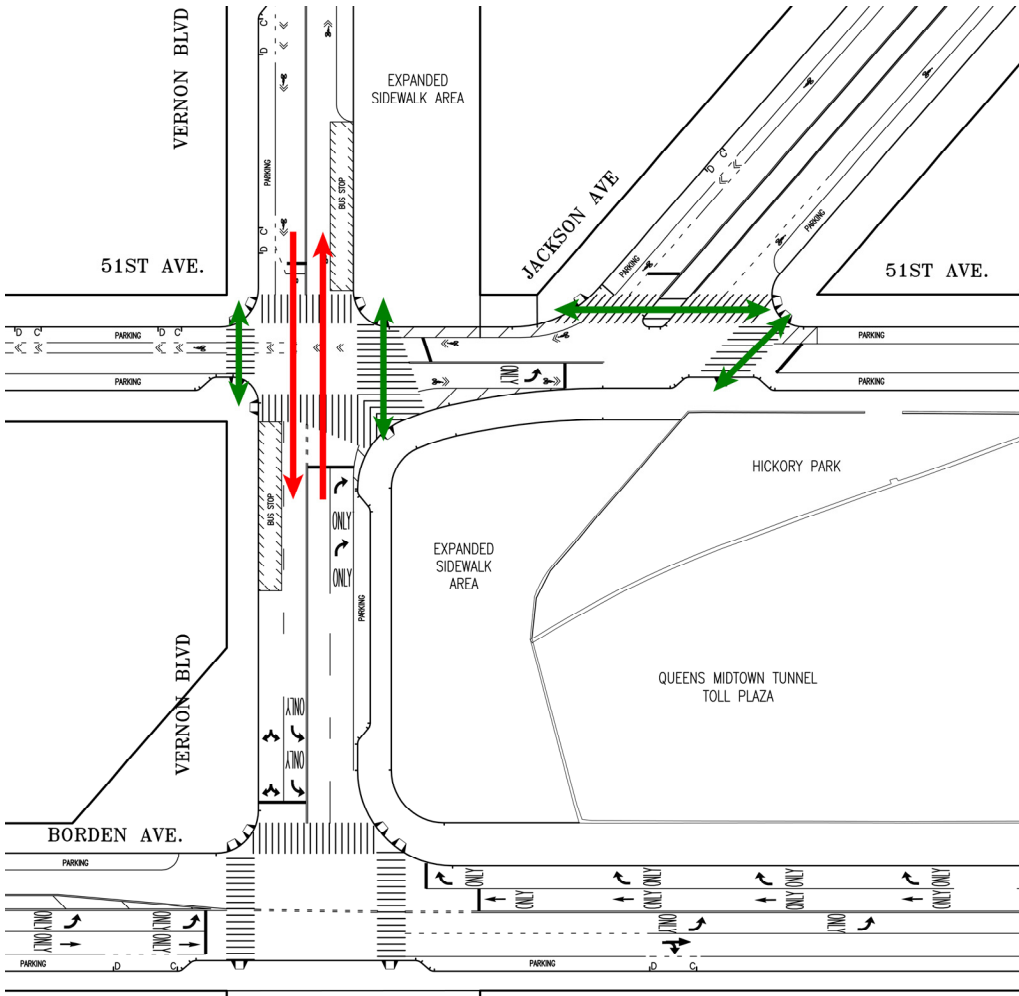
Vernon/Jackson Hub: 50th Avenue to Borden Avenue



- Align Vernon Blvd at 50th Avenue to improve traffic flow, and make street more intuitive and safer.
- Optimize signal timing to reduce congestion and provide safe crossings.
- Install a new crosswalk crossing Jackson Avenue at 51st Street.
- Install curb extensions and expand sidewalk space to shorten crossing distance and improve visibility for pedestrians.
- Add streetscape elements including trees, greening, and street furnishings.
- Upgrade and install streetlighting.

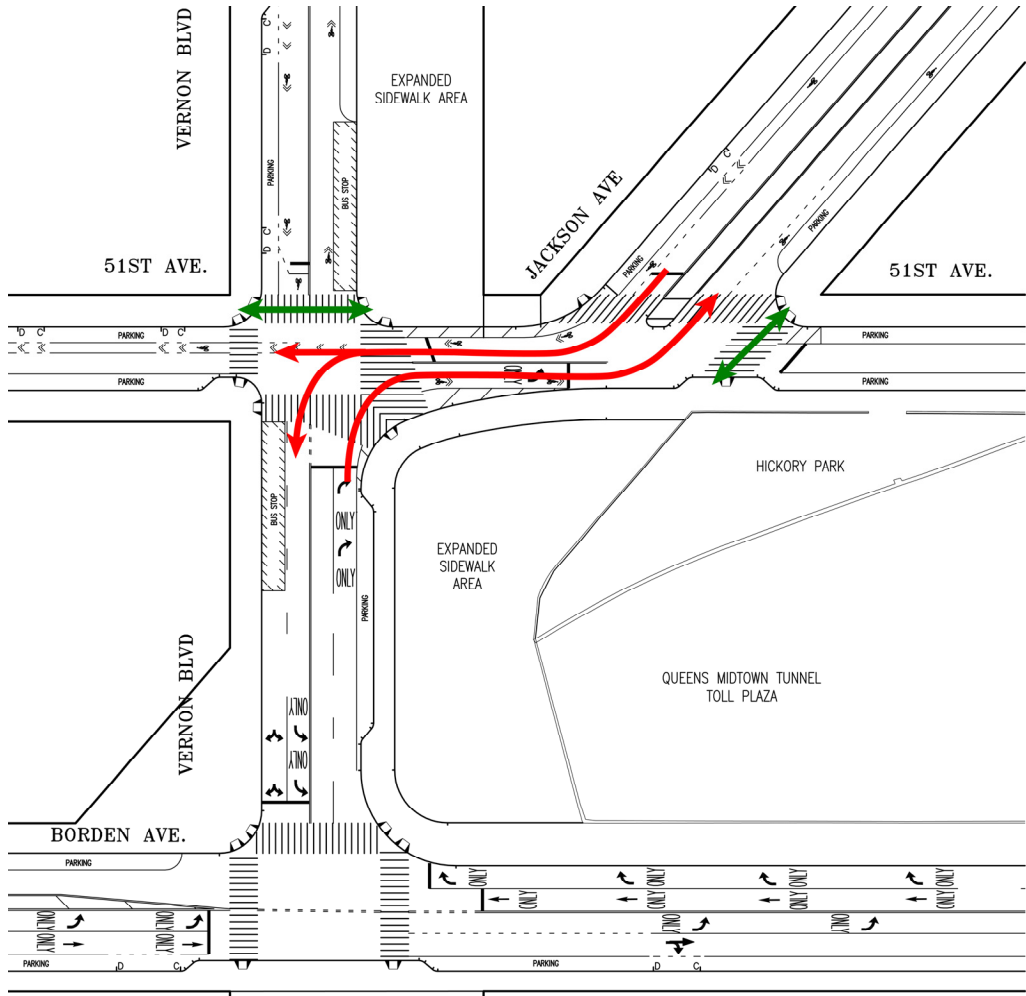


Vernon/Jackson Hub: Intersection Movements & Signal Phases



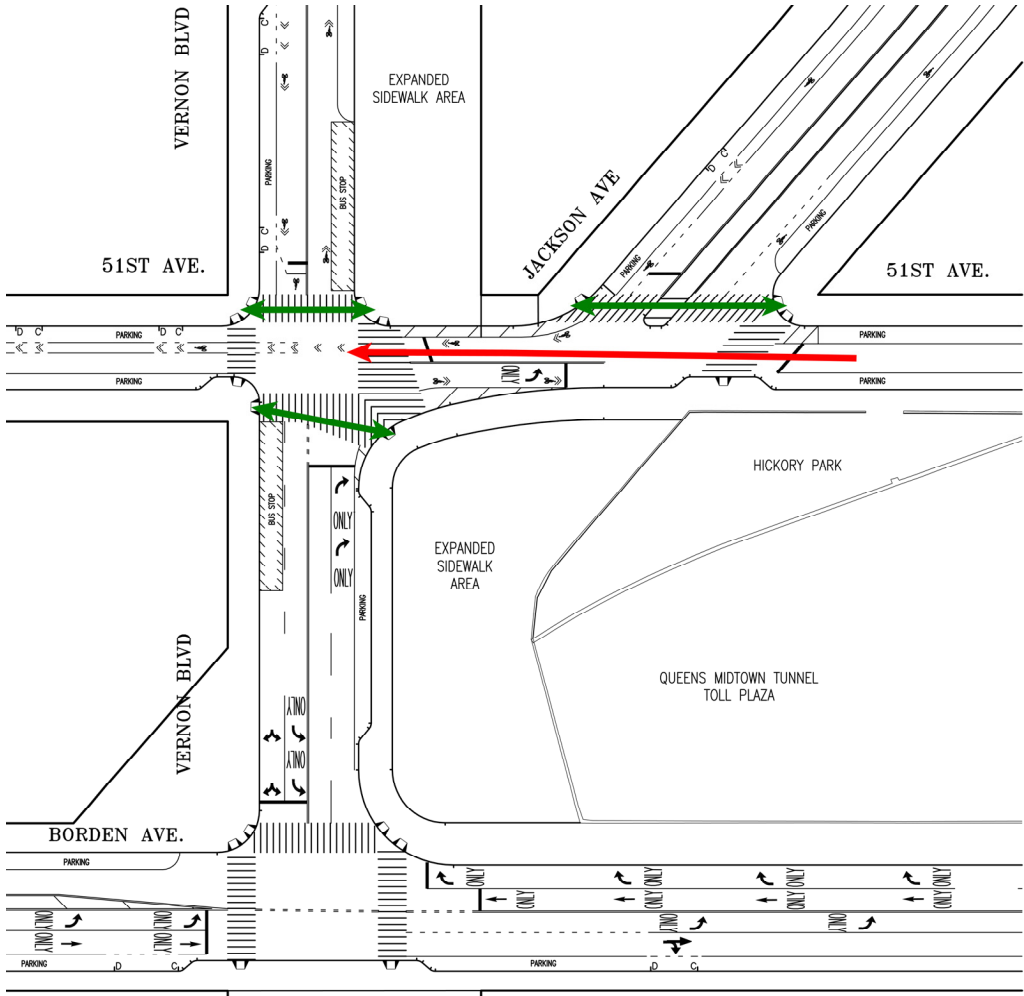
Phase A

Vehicles/bikes: Through on Vernon Blvd
Peds: Across Jackson Ave and 51st Ave
Green Time: 20s (2040 AM and PM)



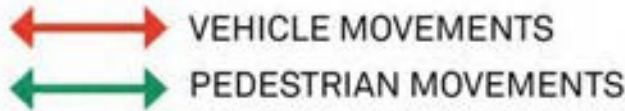
Phase B

Vehicles/bikes: Through on Jackson Ave/Vernon Blvd
Peds: Across Vernon Blvd and 51st Ave
Green Time: 69s (2040 AM and PM)



Phase C

Vehicles/bikes: Through on 51st Ave
Peds: Across Jackson Ave and Vernon Blvd
Green Time: 16s (2040 AM and PM)



Vernon Blvd Mall: Proposed Design

Existing View at Vernon Blvd and 50th Ave (Looking South)



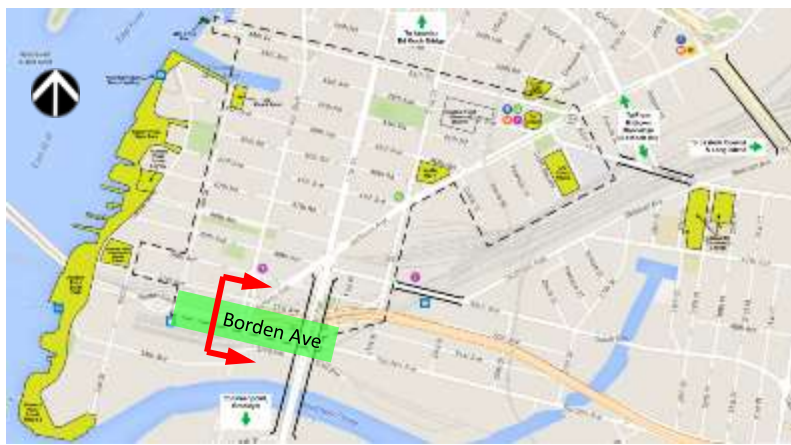
Proposed View at Vernon Blvd and 50th Ave (Looking South)



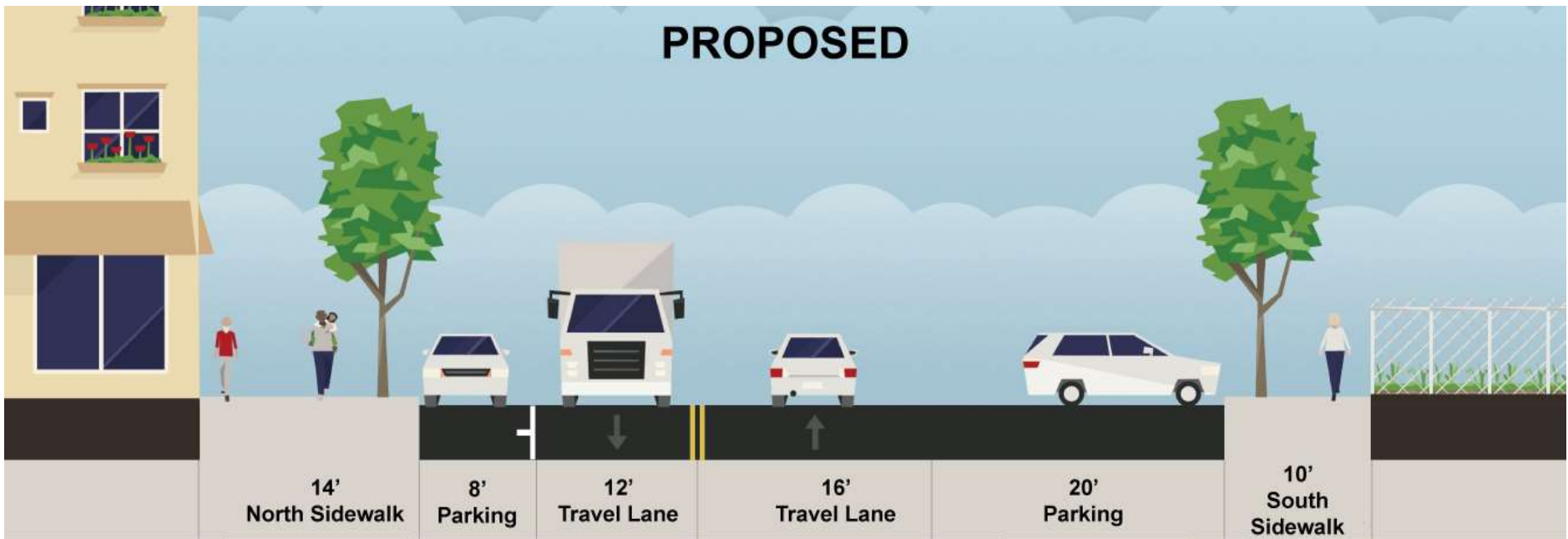
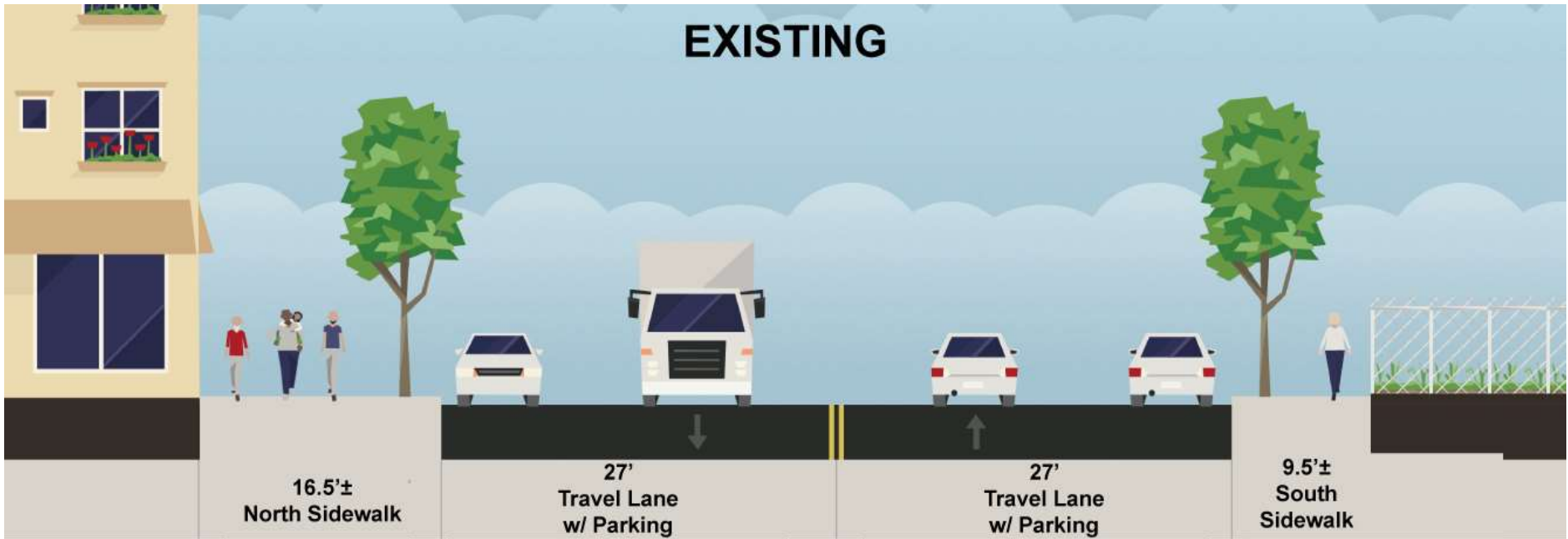
- Realigning Vernon Blvd will make street more intuitive and safer for all street users.
- Relocating plaza to connect to the sidewalk will make space more comfortable and easier for pedestrians to access.

Borden Avenue

- Install a new crosswalk on the east side of Vernon Blvd.
- Add parking along the south curb.
- Expand sidewalk space to shorten crossing distance and improve visibility for pedestrians.
- Add streetscape elements including trees, greening, and street furnishings.
- Upgrade and install streetlighting.



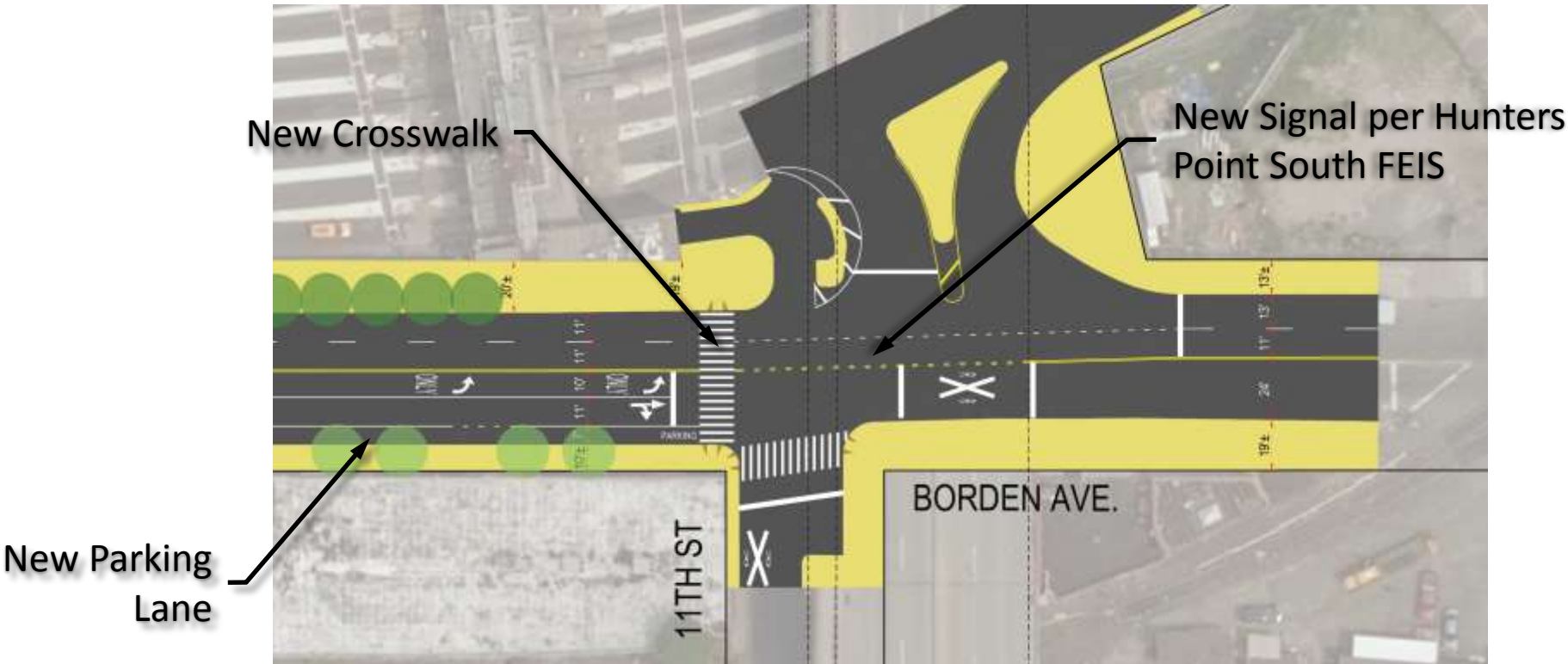
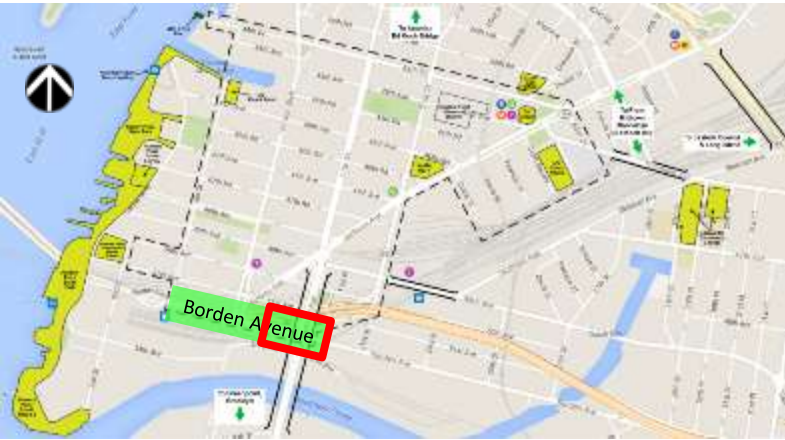
Borden Ave between 5th St and Vernon Blvd. (Looking East)



Borden Avenue at 11th Street Intersection



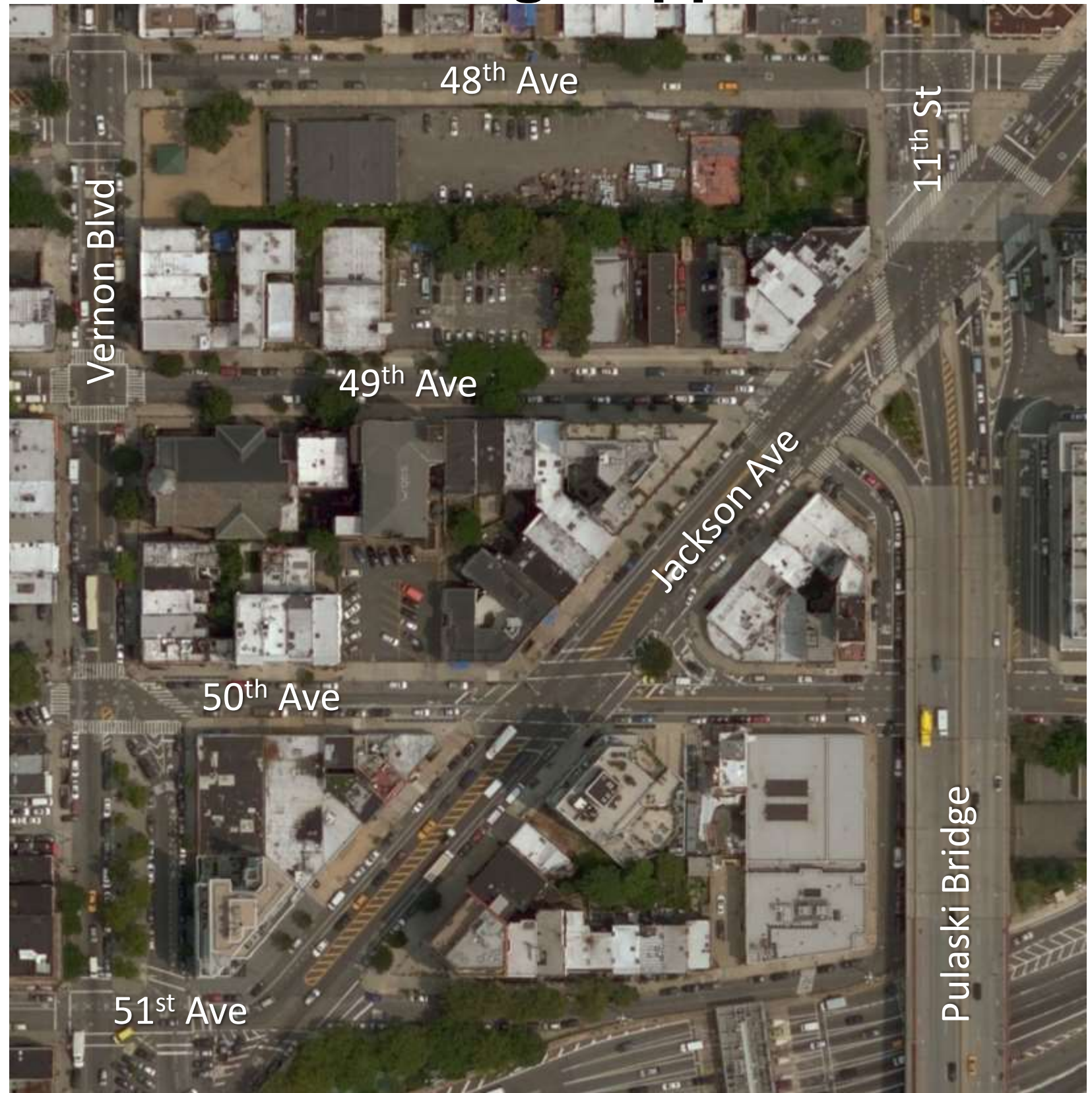
- New Signal designed for future installation per the Hunters Point South FEIS.
- Install a parking lane along the south curb.
- Install a new crosswalk crossing Borden Ave at 11th Street.



Jackson Avenue: Vernon Blvd to Pulaski Bridge Approach



- Speeding during non-commute hours.
- Congestion issues at the Pulaski Bridge, Vernon Blvd and Borden Avenue during commute hours.
- Trucks and commercial vehicles use Pulaski Bridge and Jackson Avenue to access Queens, Brooklyn and the Long Island Expressway.
- Long crossings along and across Jackson Avenue without pedestrian refuges.
- Uninviting pedestrian realm.



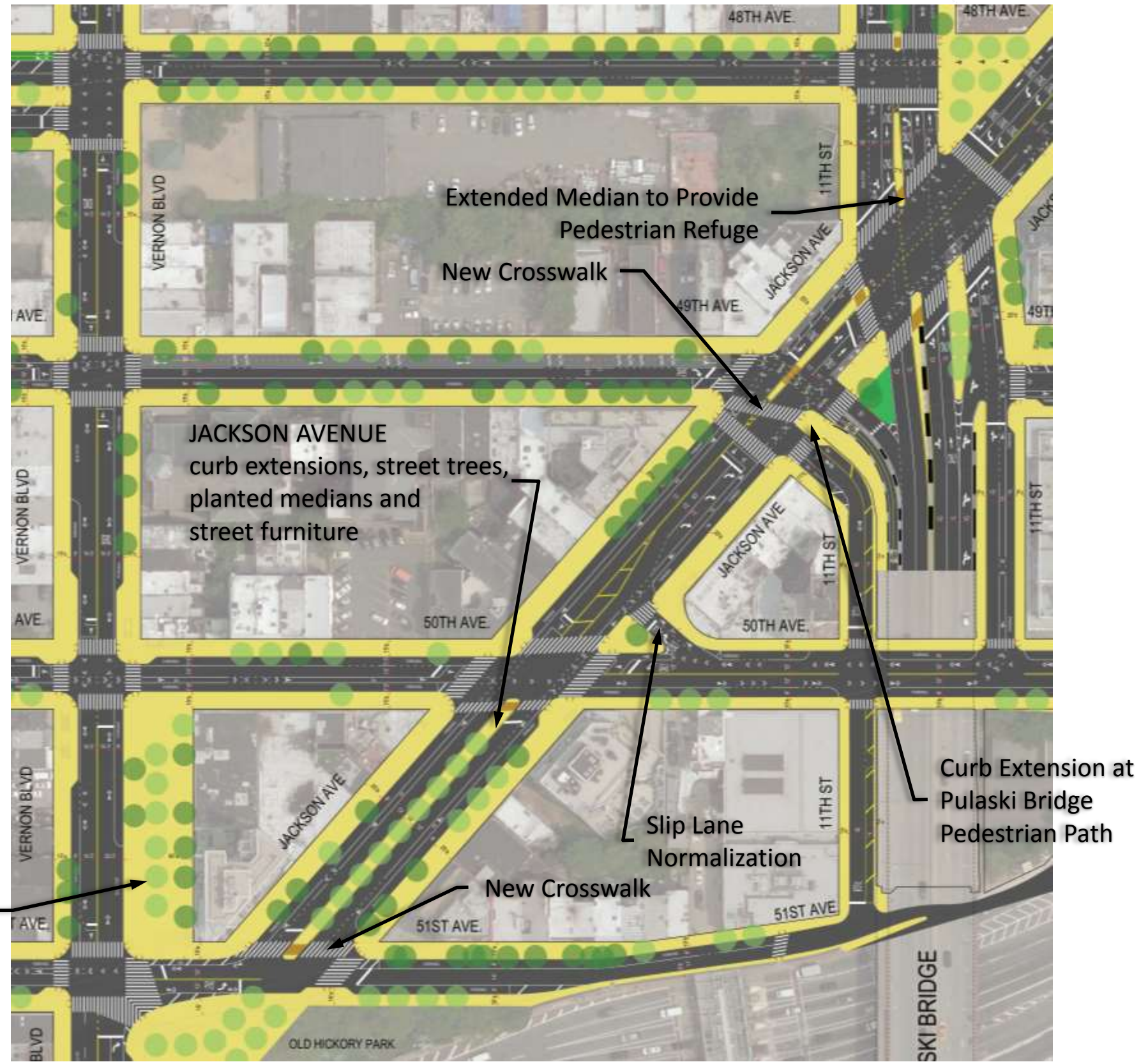
Jackson Avenue: Vernon Blvd to Pulaski Bridge Approach



- Continue medians below 50th Avenue.
- Expand and extend median on 11th Street between 48th Avenue and Jackson Avenue to provide a pedestrian refuge.
- Normalize slip lane at 50th Avenue to shorten crossing distance and slow turning vehicles.
- Install curb extensions and expand sidewalk space to shorten crossing distance and improve visibility for pedestrians.
- Improve and install new crosswalks.



VERNON
JACKSON HUB
with expanded
sidewalks

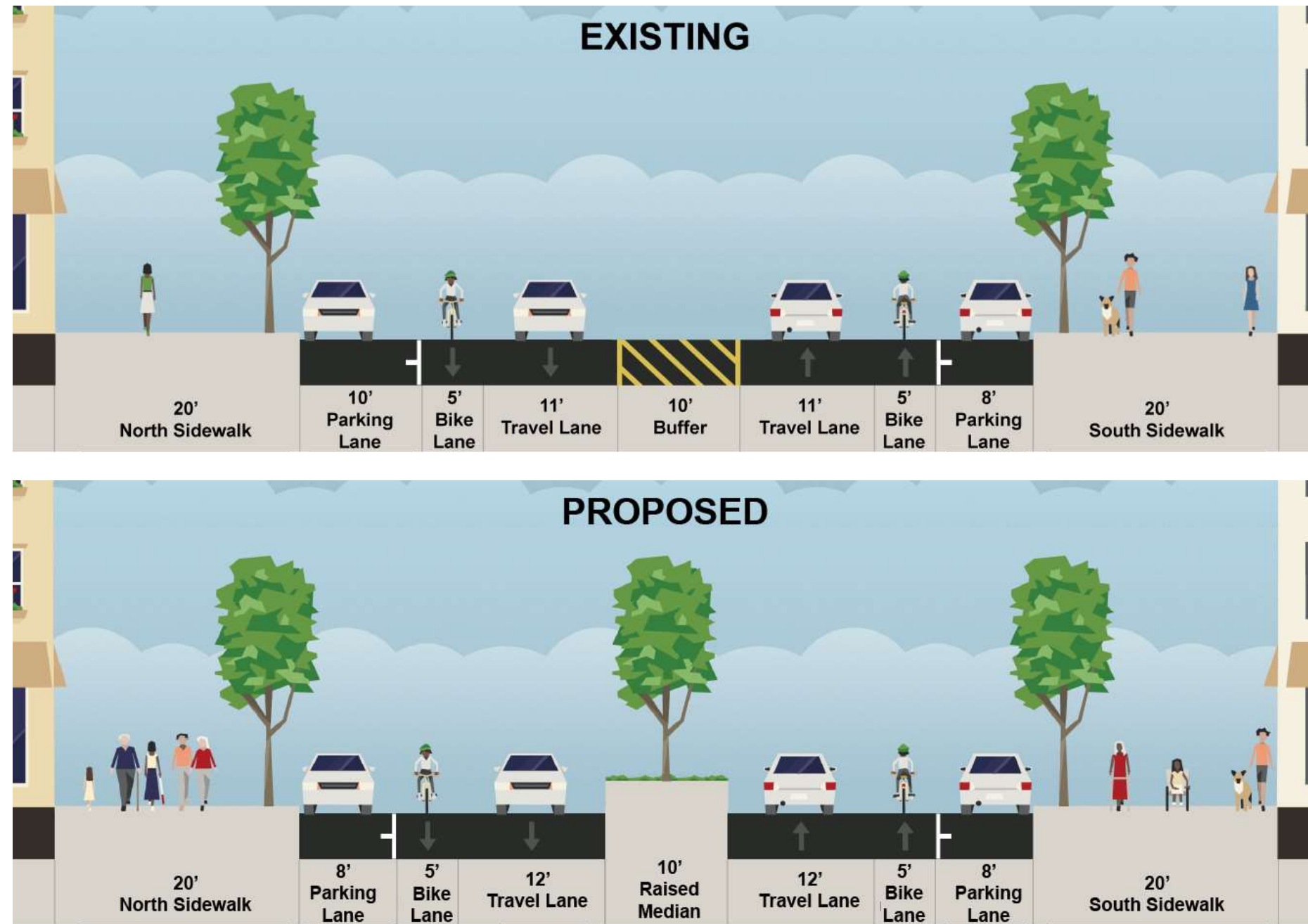


Jackson Avenue: Vernon Blvd to Pulaski Bridge Approach

- Continue medians between 50th Avenue and 51st Avenue.
- Improve and install new crosswalks.
- Install curb extensions and expand sidewalk space to shorten crossing distance and improve visibility for pedestrians.
- Add streetscape elements including trees, greening, and street furnishings.
- Upgrade and install streetlighting.



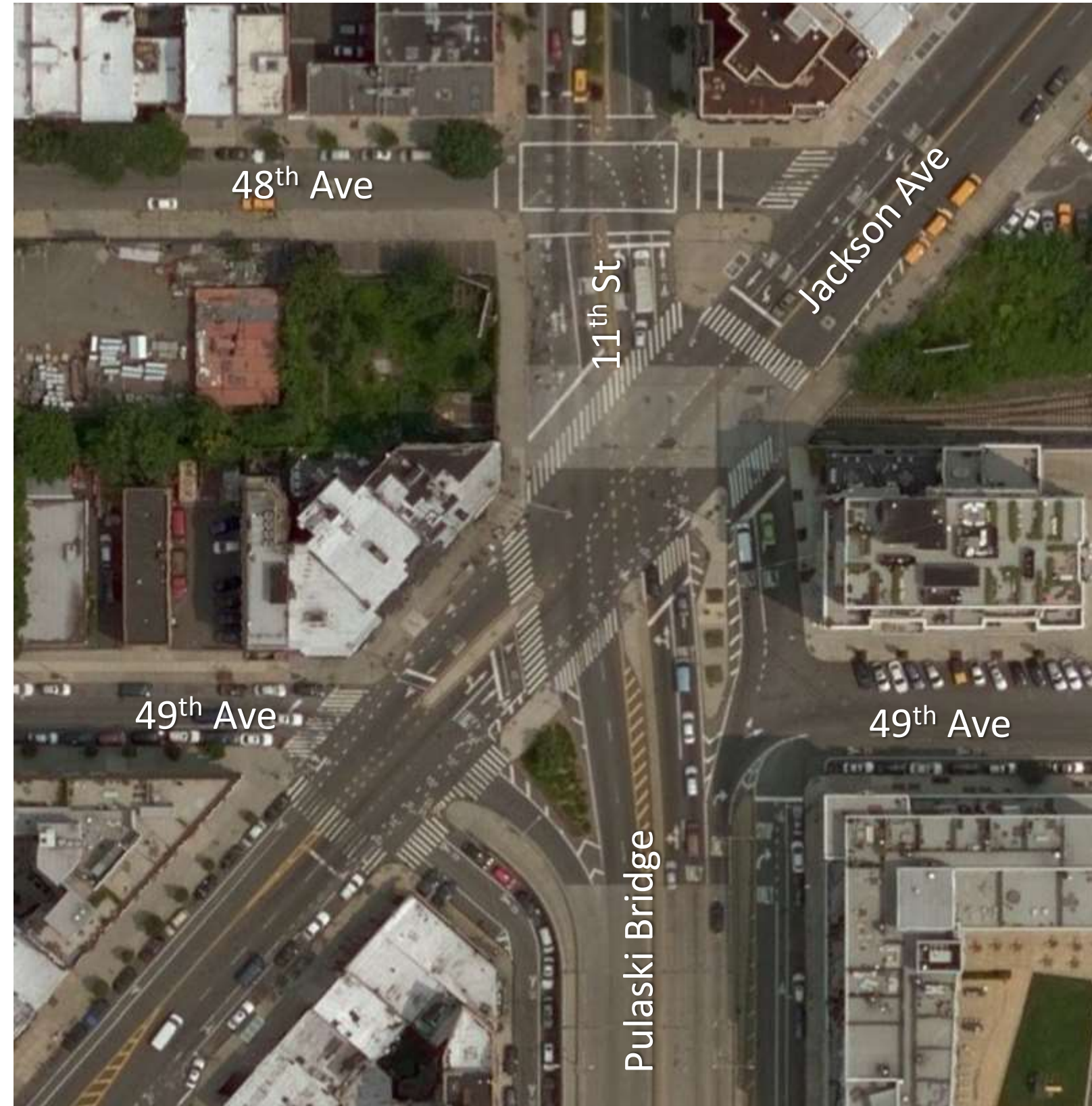
Jackson Ave between Vernon Blvd and 11th St. (Looking Northeast)



Jackson Avenue: Pulaski, 11th Street & Jackson Intersection



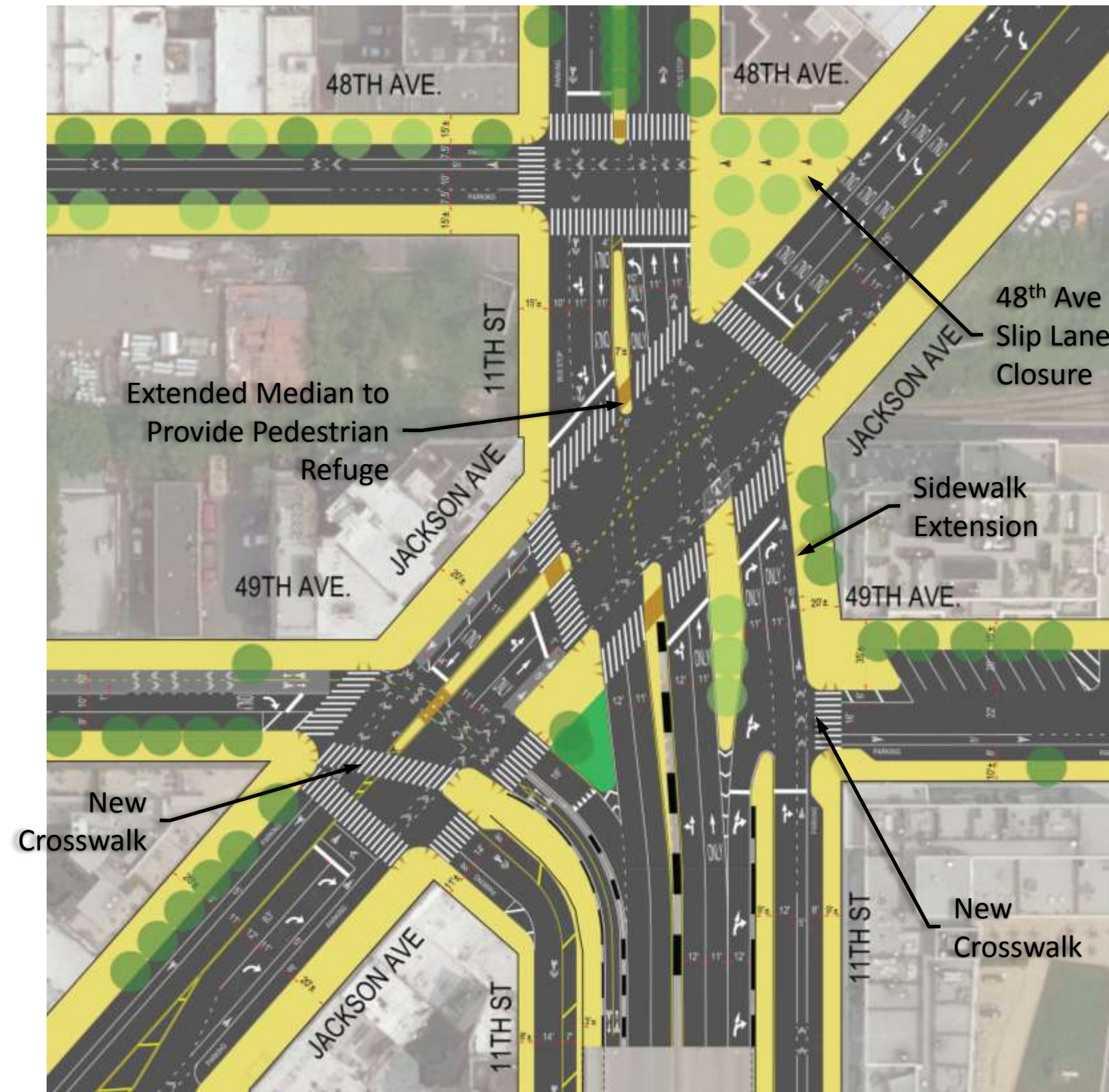
- Long pedestrian crossings across the end of the Pulaski Bridge.
- Lack of crosswalk at 49th Avenue on the east side of the bridge.
- Difficult bicycle connections.
- Speeding during non-commute hours.
- Congestion during commute hours.



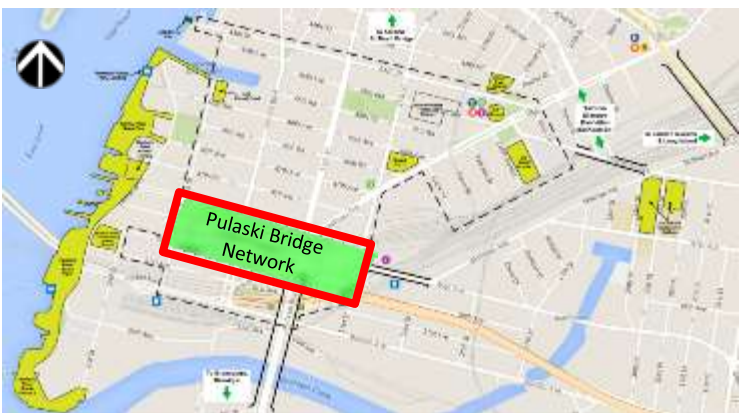
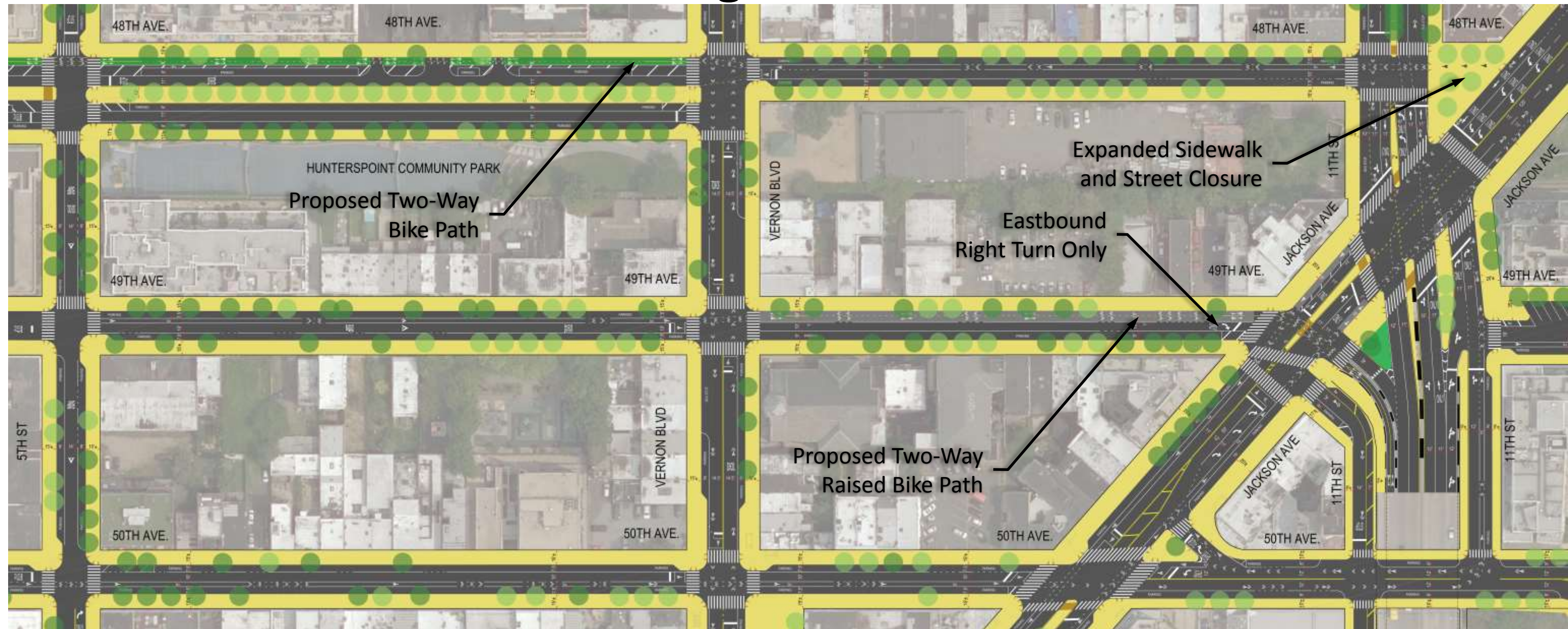
Jackson Avenue: Pulaski, 11th Street & Jackson Intersection



- Install protected bike paths on Jackson Avenue, 48th Avenue and 49th Avenue connecting to the Pulaski Bridge Bike Path.
- Close the 48th Avenue slip lane between Jackson Avenue and 11th Street to improve pedestrian connectivity and provide additional public space.
- Install a new crosswalk across Jackson Avenue connecting the southwest corner of 49th Avenue to the Pulaski Bridge Pedestrian Path.
- Install a new crosswalk across eastbound 49th Avenue to the east of the bridge.
- Expand pedestrian islands and widen sidewalks to shorten crossing distances and provide pedestrian refuge for long crossings.



Jackson Avenue: Pulaski Bridge Street Network



49th Avenue: Jackson Avenue to Vernon Blvd



- Install a two-way protected bike path on the north curb that connects to the recently implemented Pulaski Bridge bike path.
- Parking on north curb relocates to 48th Avenue.

49th Ave between Vernon Blvd and Jackson Ave. (Looking West)



48th Avenue: Vernon Blvd to 5th Street



- Install a two-way parking protected bike path on the north curb of 48th Avenue between Vernon Blvd and Center Blvd.
- Install a parking lane on the south side of the median.

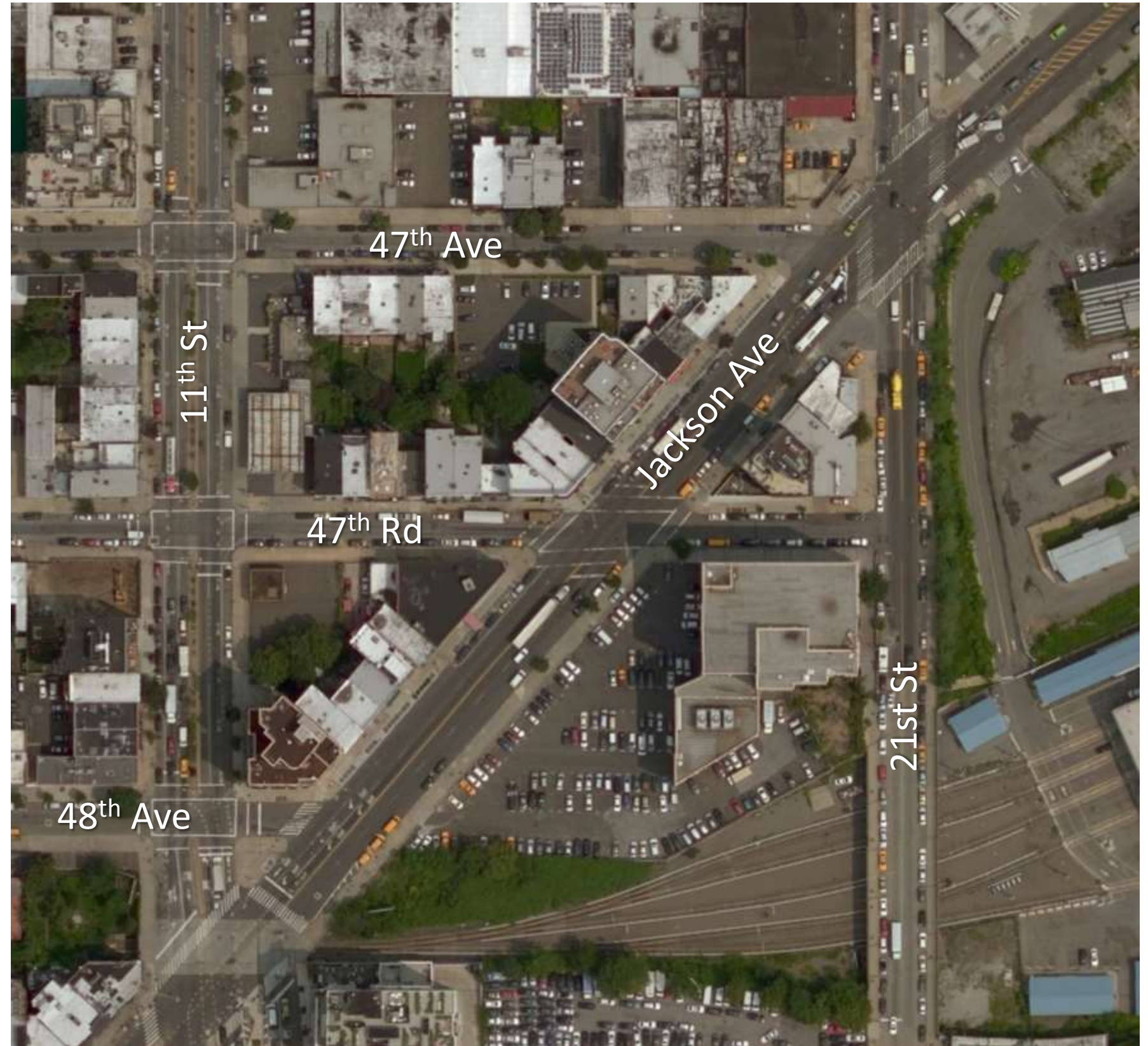
48th Ave between Vernon Blvd and 5th St (Looking East)



Jackson Avenue: Pulaski Bridge Approach to 21st Street



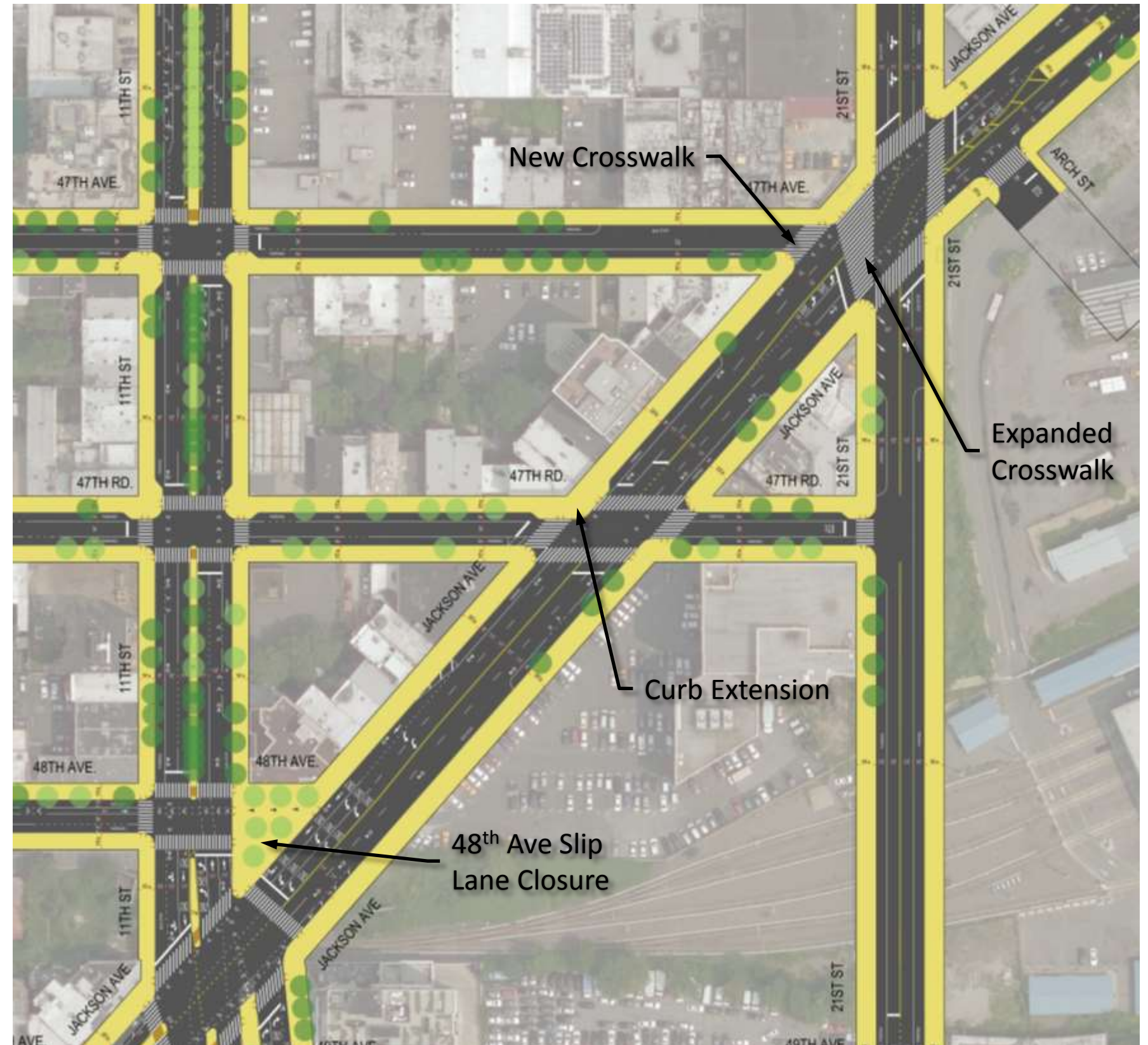
- Speeding during non-commute hours.
- Trucks and commercial vehicles use 21st Street and Jackson Avenue to access Queens, Brooklyn and the Long Island Expressway.
- Long crossings along and across Jackson Avenue without pedestrian refuges.
- Uninviting pedestrian realm.



Jackson Avenue: Pulaski Bridge Approach to 21st Street



- Maintain two travel lanes in each direction to accommodate high vehicle volumes between 21st Street and the Pulaski Bridge.
- Close the 48th Avenue slip lane between Jackson Avenue and 11th Street to improve pedestrian connectivity and provide additional public space.

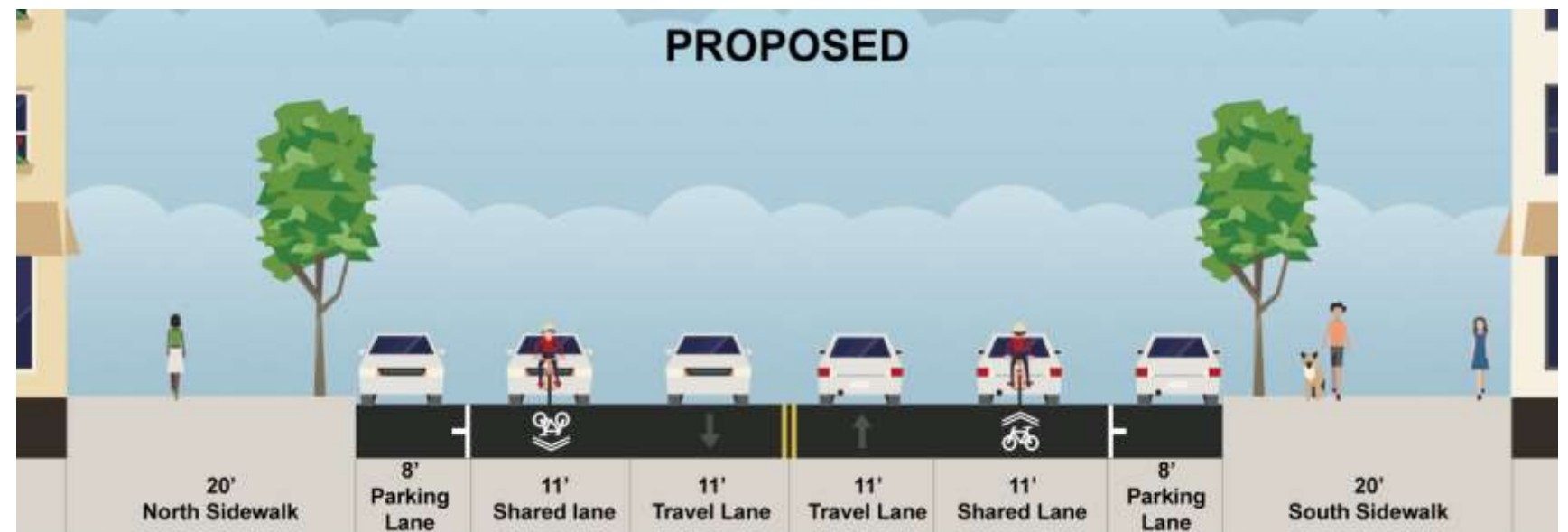
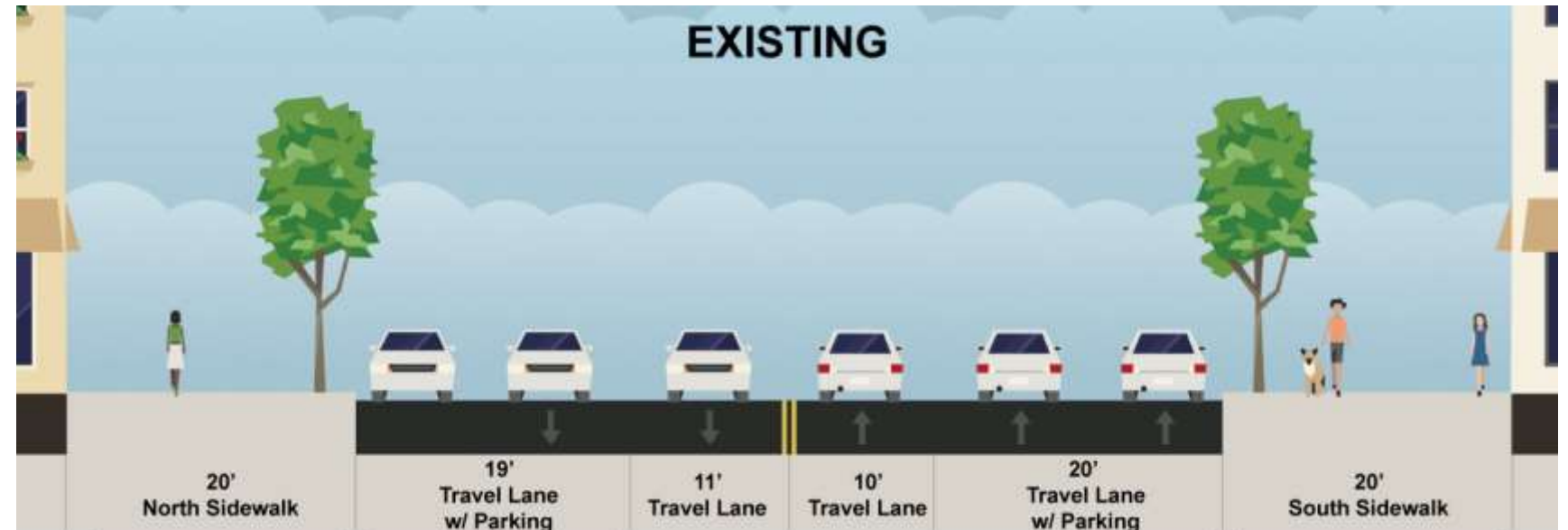


Jackson Avenue: Pulaski Bridge Approach to 21st Street

- Maintain two travel lanes in each direction to accommodate vehicle volumes to and from the Pulaski Bridge.
- Improve and install new crosswalks.
- Install curb extensions and expand sidewalk space to shorten crossing distance and improve visibility for pedestrians.
- Add streetscape elements including trees, greening, and street furnishings.
- Upgrade and install streetlighting.



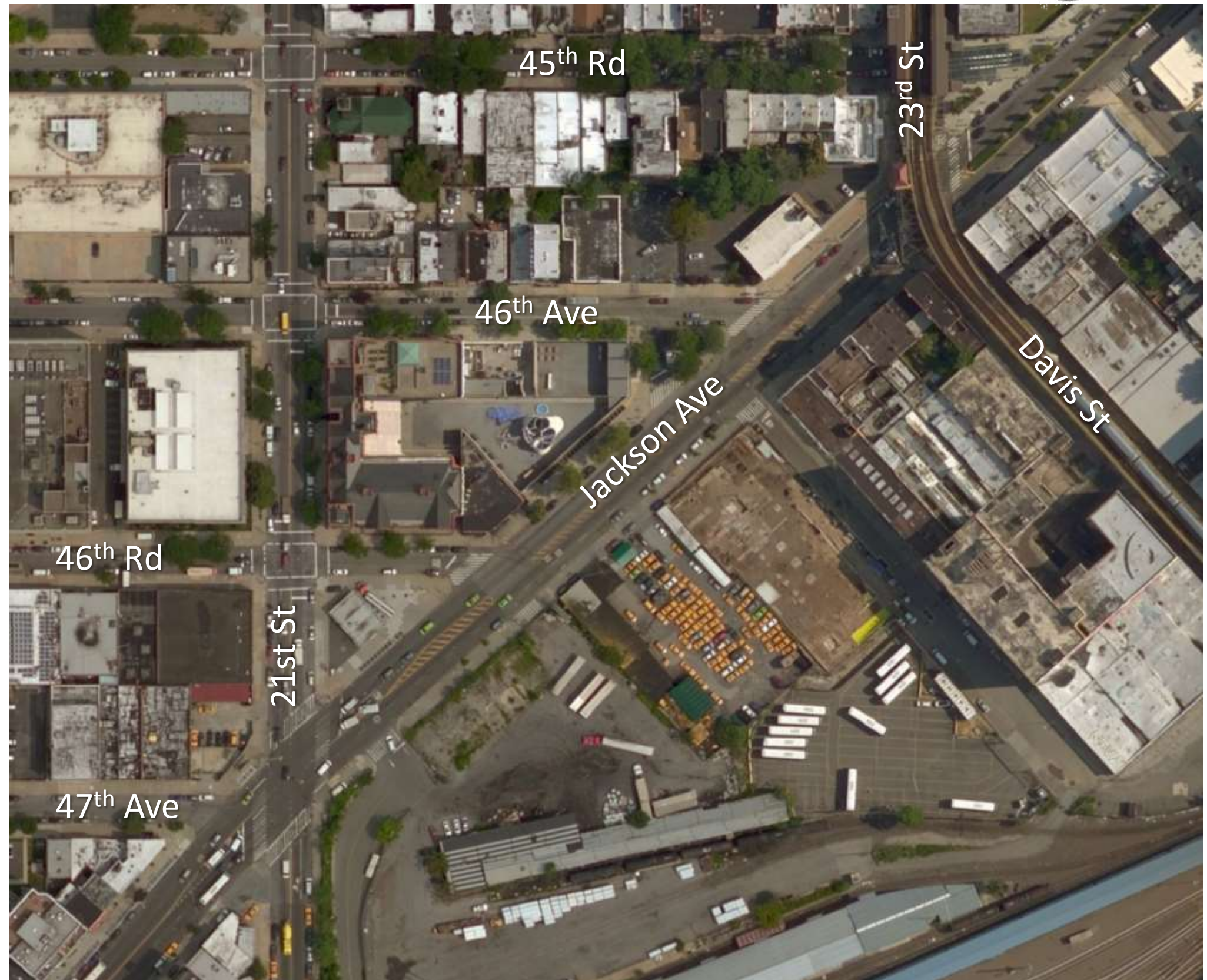
Jackson Ave between 11th St and 21st St (Looking Northeast)



Jackson Avenue: 23rd Street to 21st Street



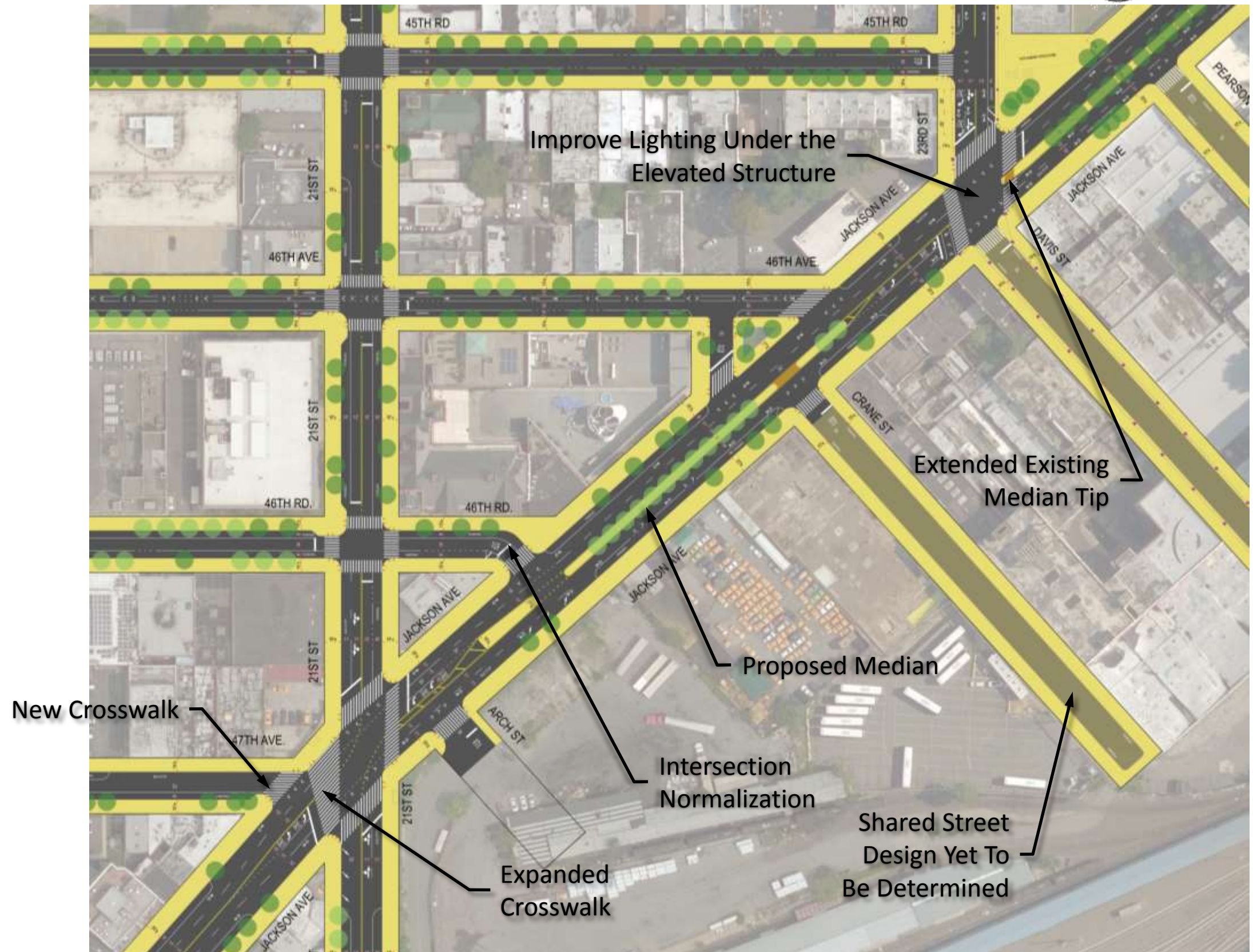
- Raised medians currently end at 23rd Street.
- Long crossings along and across Jackson Avenue without pedestrian refuges.
- Uninviting pedestrian realm lacks streetscape elements and adequate lighting.



Jackson Avenue: 23rd Street to 21st Street



- Continue raised median treatment to 21st Street.
- Extend median tip in concrete at 23rd Street to add a pedestrian refuge.
- Normalize 46th Road and Jackson Avenue to shorten crossing distance at 46th Road.
- Expand and fan the crosswalk on the east side of 21st Street and add a crosswalk crossing 47th Avenue to accommodate pedestrian desire line.

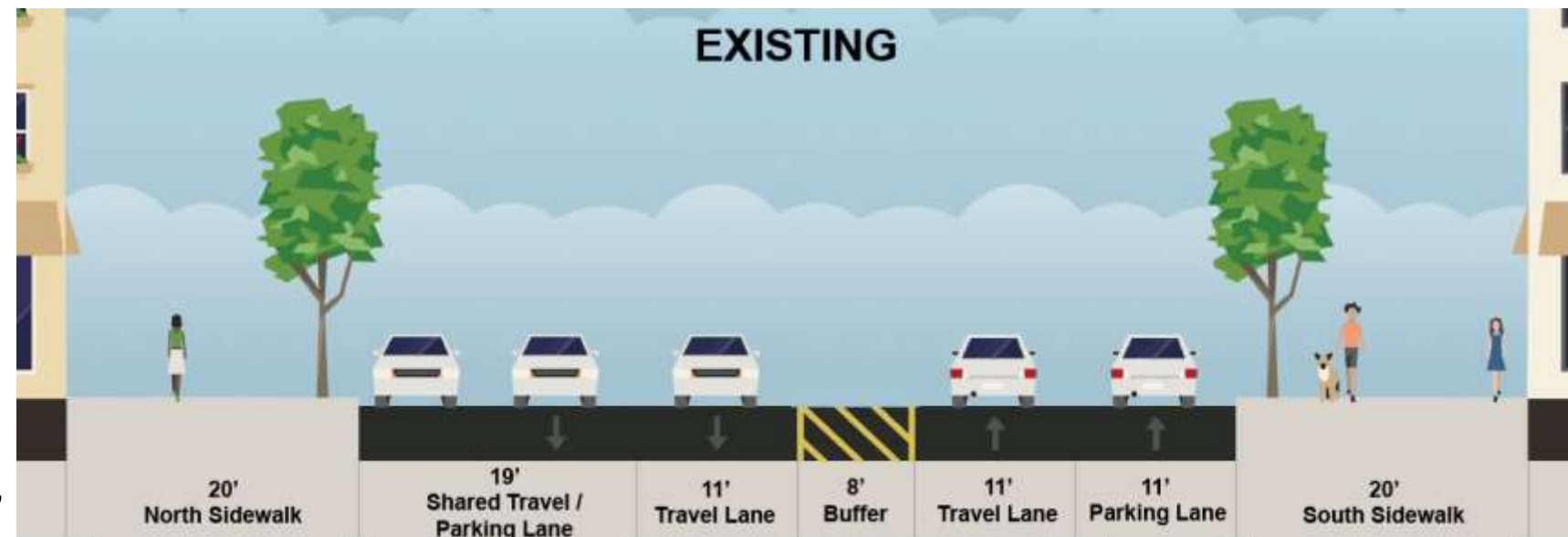


Jackson Avenue: 23rd Street to 21st Street

- Continue raised median treatment to 21st Street.
- Improve and install crosswalks along and across Jackson Avenue.
- Install curb extensions and expand sidewalk space to shorten crossing distance and improve visibility for pedestrians.
- Add streetscape elements including trees, greening, and street furnishings.
- Upgrade and install streetlighting.



Jackson Ave between 21st St and 23rd St (Looking Northeast)



Thomson Avenue, 44th Drive and Jackson Avenue



- Add a new crosswalk on the northeast leg of 44th Drive and Thomson Avenue.
- Expand the median on Thomson Avenue through the crosswalk at Jackson Avenue to provide a pedestrian refuge.
- Install curb extensions to shorten crossing distance and improve visibility for pedestrians.



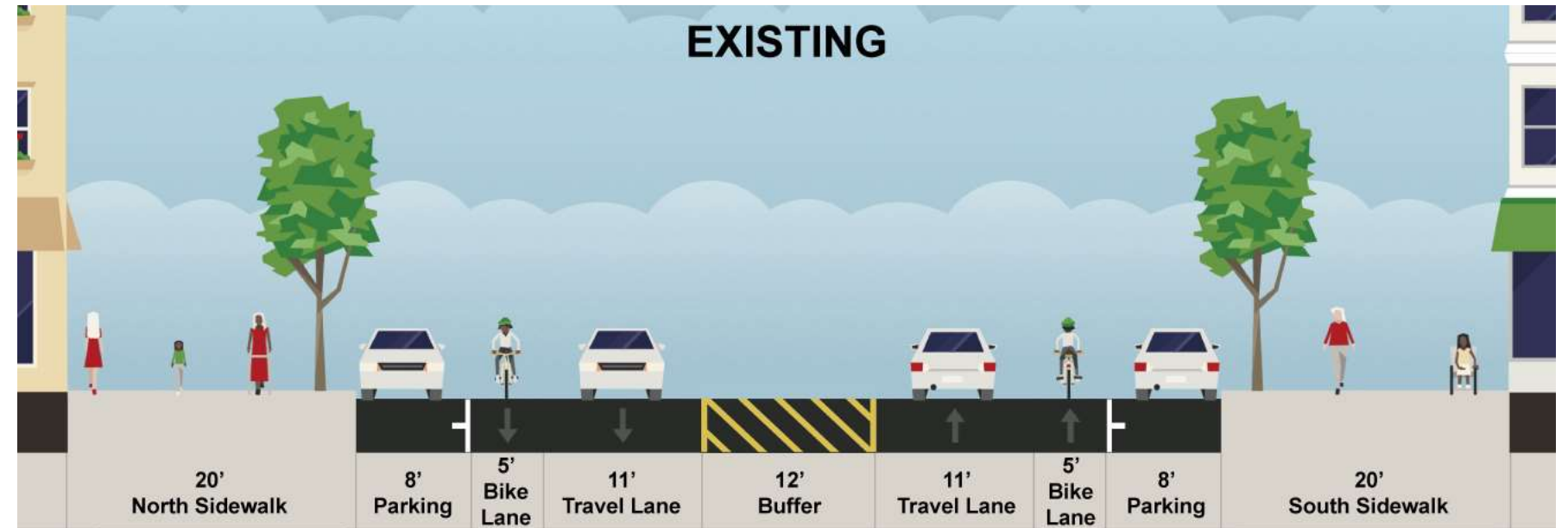
Pedestrian Refuge



44th Drive: East River to Jackson Avenue

- Continue medians to 23rd Street.
- Build continuous sidewalk to the East River.
- Install curb extensions to shorten crossing distance and improve visibility for pedestrians.
- Add streetscape elements including trees, greening, and street furnishings.
- Upgrade and install streetlighting.

44th Dr between 23rd St and Jackson Ave (Looking East)



44th Drive: East River to Jackson Avenue



- Realigning approach of 11th Street south of 44th Drive will create a safer transition through the intersection and will shorten the crossing distance for pedestrians.

44th Drive: East River to Jackson Avenue



Raised Median with Street Trees

Concrete Curb Extension

Vernon Boulevard: Gordon Triangle

- Normalize fork and add crosswalks at 10th Street to create a shorter and safer crossing for pedestrians.
- Expand sidewalk at 45th Avenue and 10th Street and add new crosswalk on the east side of Vernon to Gordon Triangle.
- Create right turn off of Vernon Blvd onto 10th Street to slow turning vehicles.
- Add streetscape elements including trees, greening, and street furnishings.
- Upgrade and install streetlighting.



Vernon Boulevard

- Install curb extensions to shorten crossing distance and improve visibility for pedestrians.
- Add streetscape elements including trees, greening, and street furnishings.
- Upgrade and install streetlighting.

Vernon Blvd North and South of 46th Ave (Looking North)

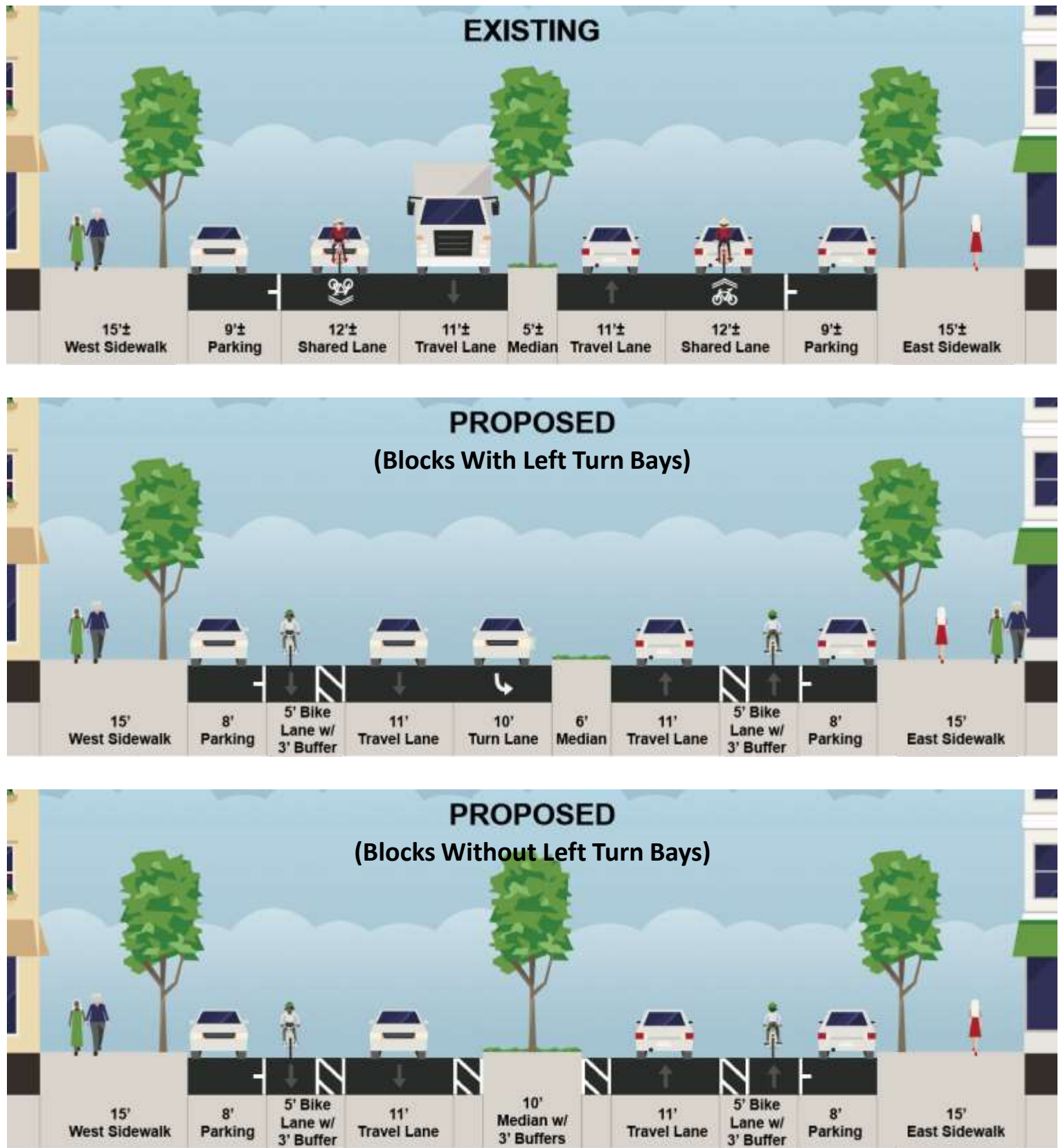


11th Street

- Expand median to provide enhanced pedestrian refuges.
- Install curb extensions to shorten crossing distance and improve visibility for pedestrians.
- Implement buffered bike lanes north of 47th Avenue.
- Add streetscape elements including trees, greening, and street furnishings.
- Upgrade and install streetlighting.



11th St, North of 47th Ave (Looking North)



11th Street



11th Street



MATCH LINE



MATCH LINE



Expanded Medians

Curb Extensions

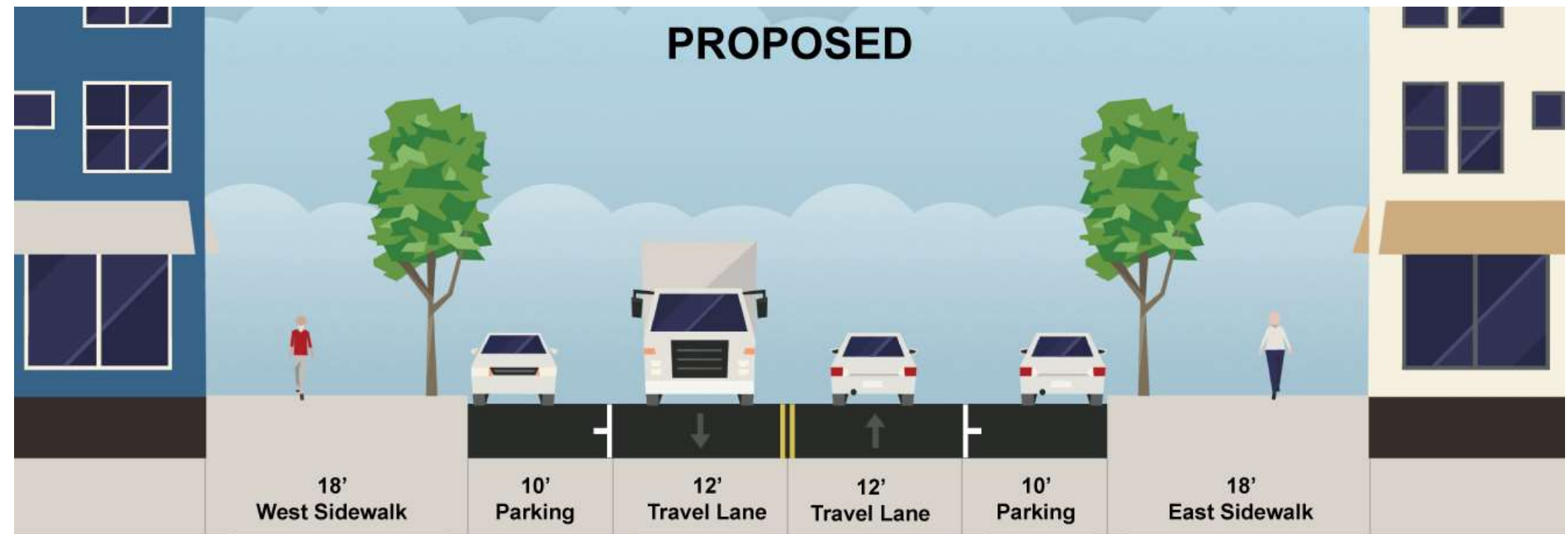
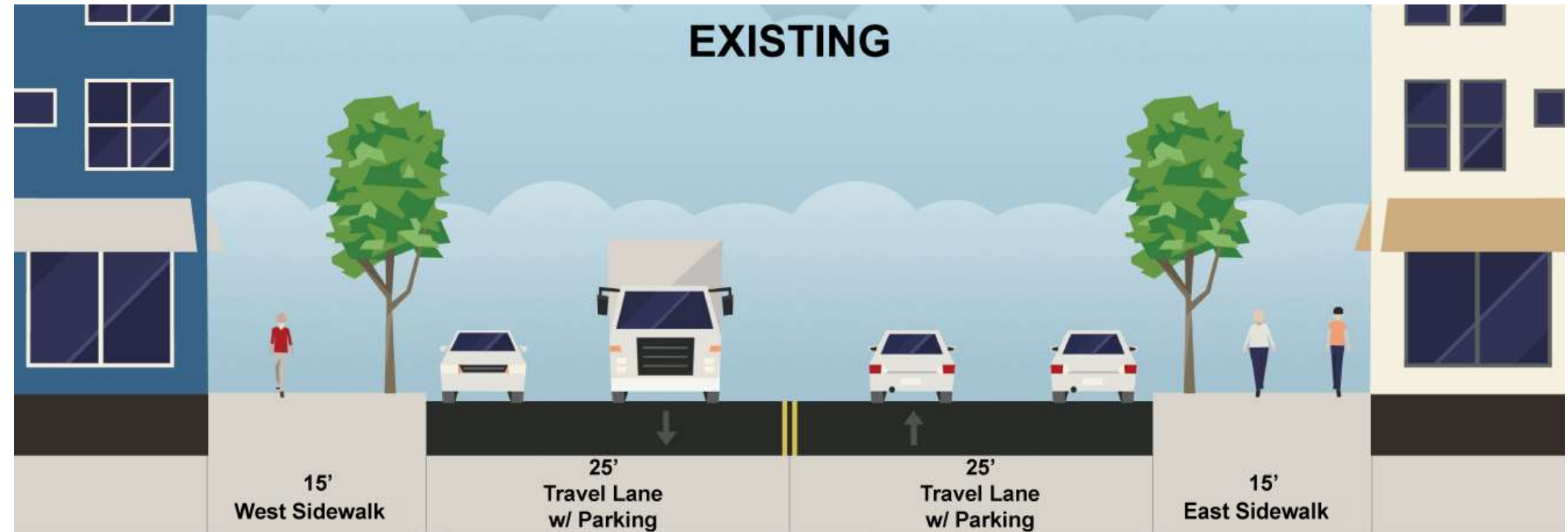
Realigned Approach For Safer Transition Through Intersection

21st Street

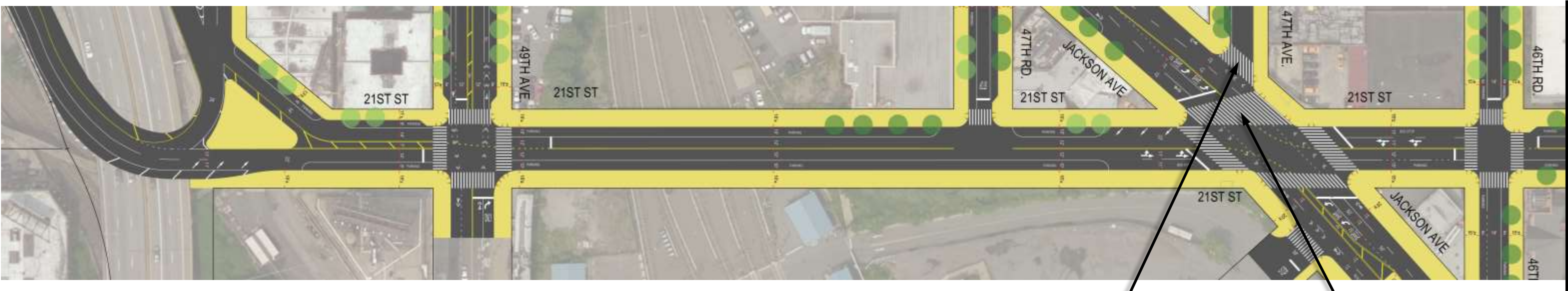
- Narrow moving lanes to prevent speeding.
- Install curb extensions and expand sidewalk space to shorten crossing distance and improve visibility for pedestrians.
- Add streetscape elements including trees, greening, and street furnishings.
- Upgrade and install streetlighting.



21st St Between 44th Dr and 49th Ave (Looking North)



21st Street



New Crosswalk

Expanded Sidewalk

21st Street



MATCH LINE



MATCH LINE



Install Curb Extensions
Where Possible

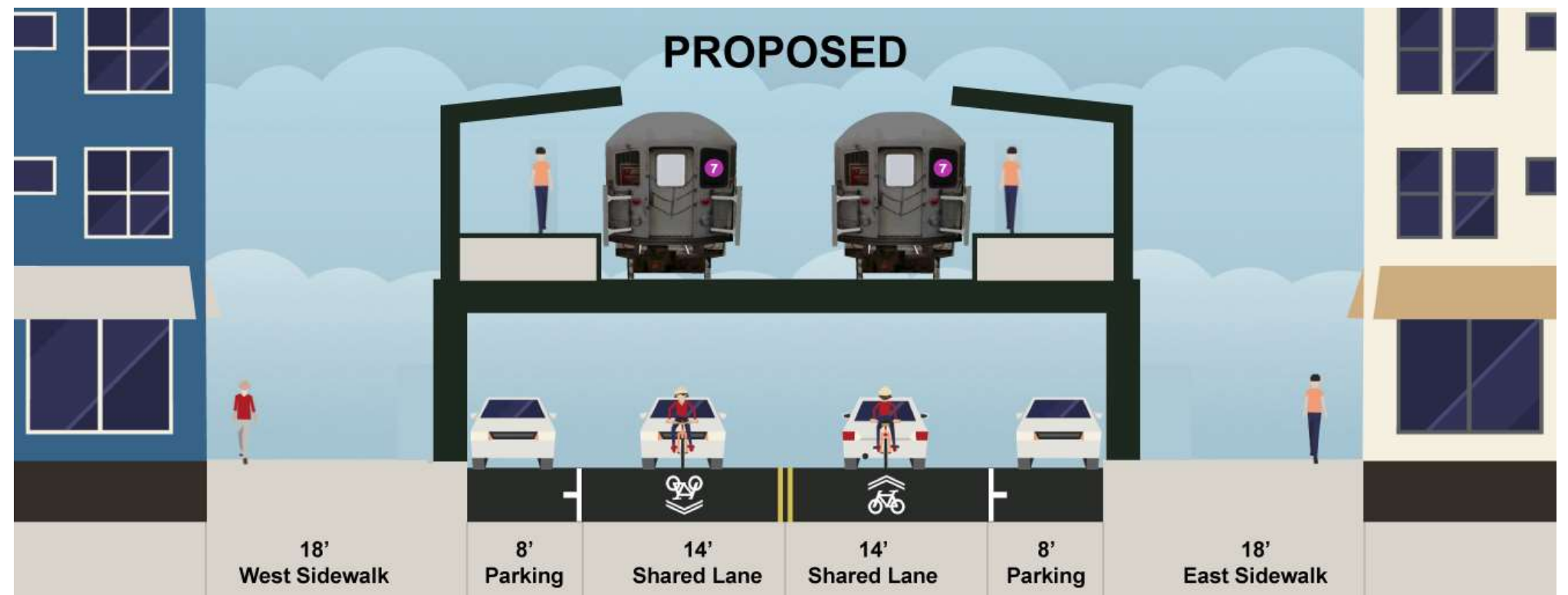
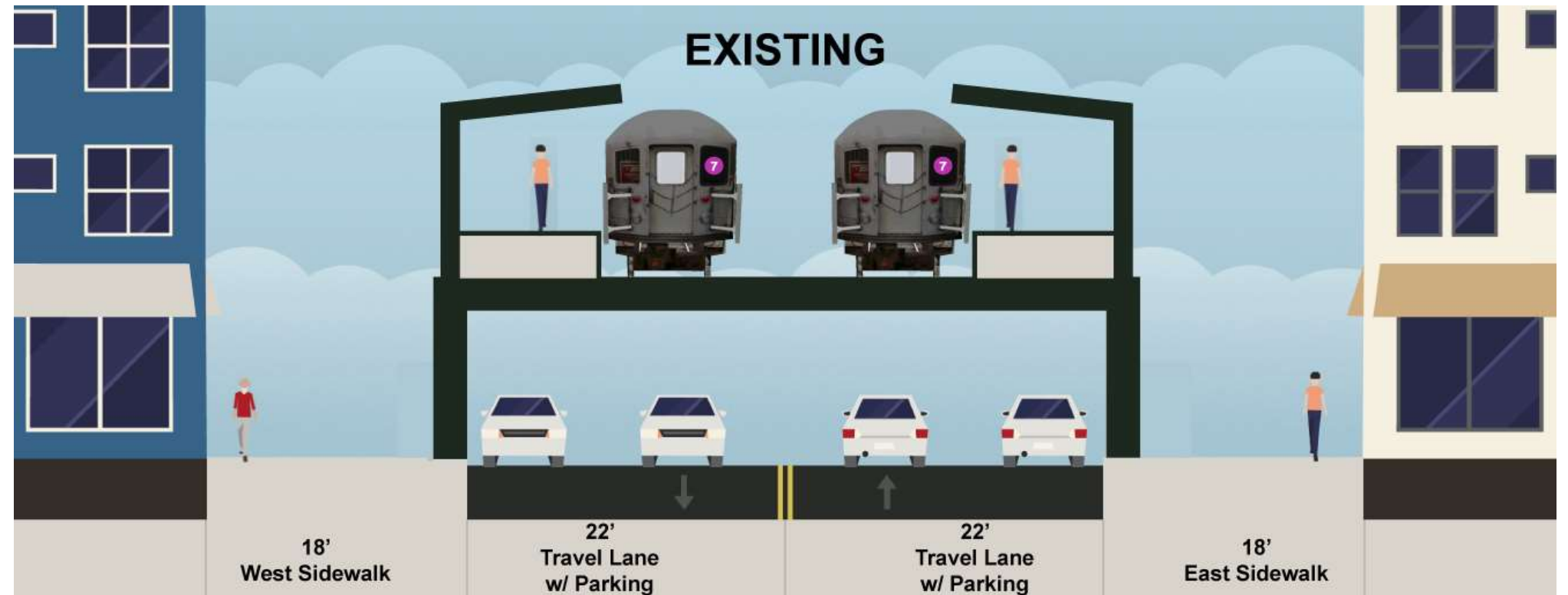


23rd Street

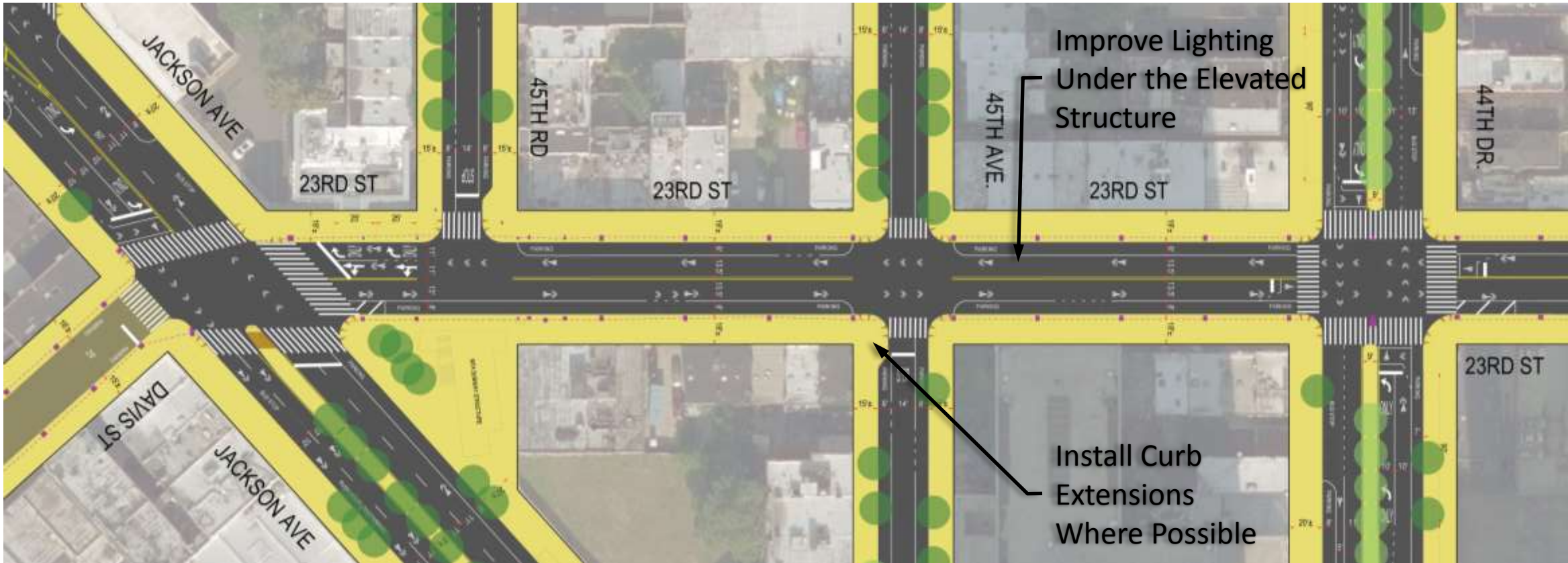
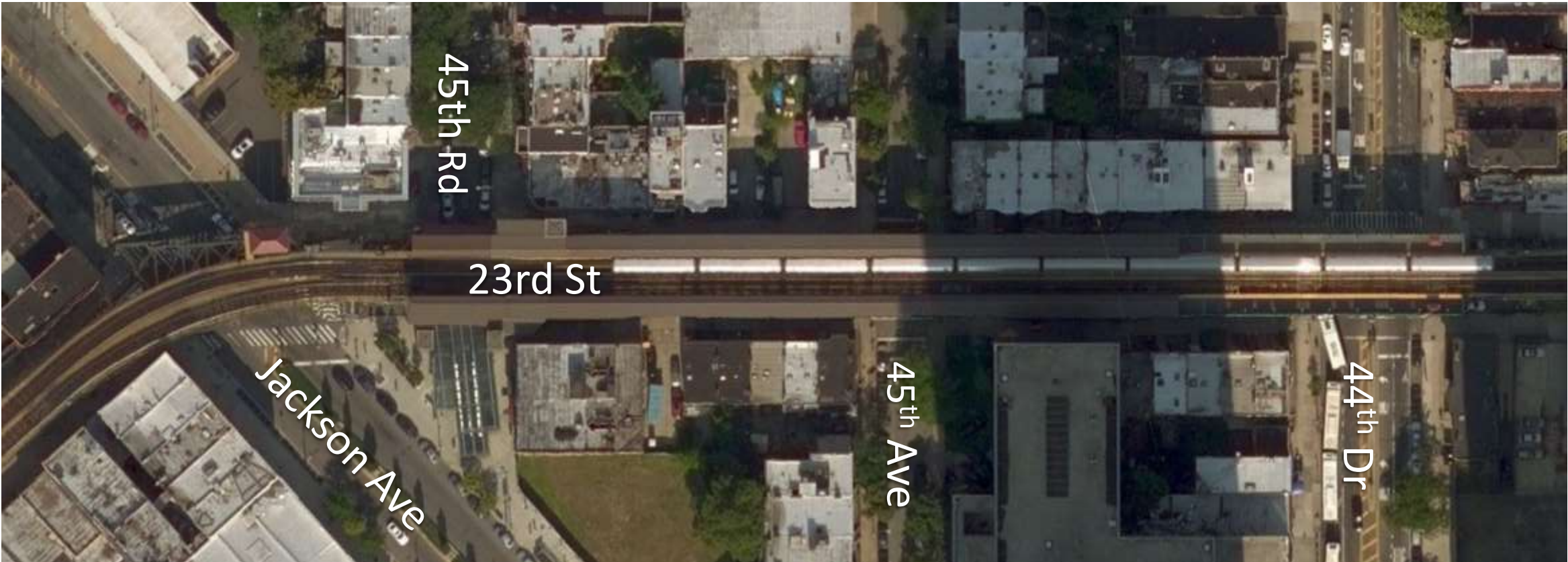
- Enhance lighting under the elevated structure to improve visibility.
- Install curb extensions to shorten crossing distance and improve visibility for
- Add streetscape elements including trees, greening, and street furnishings.



23rd St Between 44th Dr and Jackson Ave (Looking North)



23rd Street



Local Streets Design: Street Geometry and Markings



- Install curb extensions where feasible to shorten crossing distance for pedestrians.
- Upgrade to standard street markings including high-visibility crosswalks.
- Add streetscape improvements including trees, greening, and street furnishings.
- Upgrade and install additional street lights.



Local Streets Design: 5th Street

- Install curb extensions to shorten crossing distance and improve visibility for pedestrians.
- Add high visibility crosswalks where stop controls exist to improve pedestrian safety.
- Continue to study for all-way stop signs and signals. Stop controls will be added as federal criteria are met.
- Convert to standard lane widths along two-way section between 50th Avenue and Borden Avenue to adhere to DOT standards.
- New signal designed for future installation at Borden Avenue per the Hunters Point South FEIS
- Add streetscape improvements including trees, greening, and street furnishings.
- Upgrade and install streetlighting.



5th St from North Basin Rd to 50th Ave (Looking North)



5th St between 50th Ave and Borden Ave (Looking North)



Local Streets Design: 5th Street



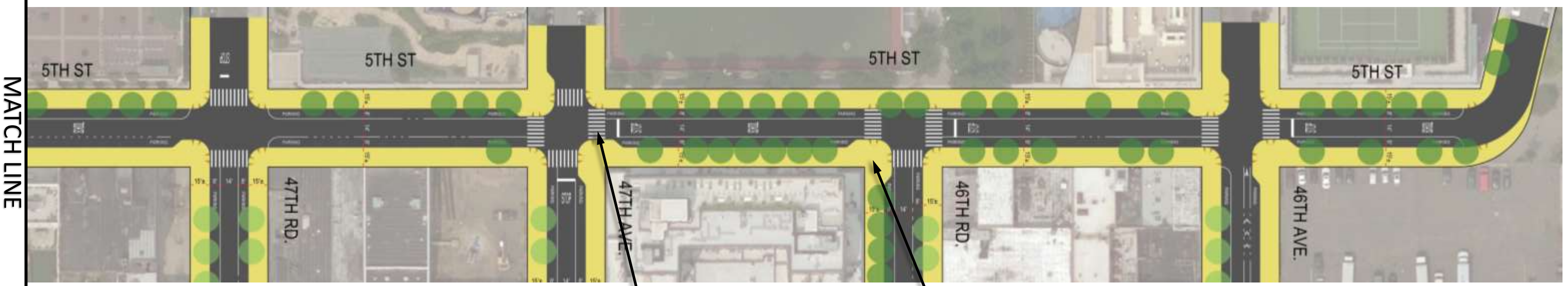
New Signal per
the Hunters Point
South FEIS

Curb Extensions
Where Possible

High Visibility
Crosswalks



Local Streets Design: 5th Street



High Visibility
Crosswalks

Curb Extensions
Where Possible

Parking Study

DOT maximized parking where possible.

Relocation of parking due to:

- FDNY, bus and truck turns.
- Geometric changes for traffic flow.
- Safety elements like curb extensions, bike paths and daylighting.
- Bus stop relocation.

Location: Street and Block Face		Existing Parking	Proposed Parking	Parking Spaces Gained/Lost
5th Street	East curb between 50th Ave and 51st Ave	3	0	-3
	East curb between 51st Ave and Borden Ave	6	0	-6
	West curb between 51st Ave and Borden Ave	7	8	1
48th Ave	North Curb between 5th St and Center Blvd	20	18	-2
	South Curb of Median between 5th St and Center Blvd	0	19	19
	North Curb between 5th St and Vernon Blvd	20	17	-3
	South Curb of Median between 5th St and Vernon Blvd	0	29	29
49th Ave	North Curb between Vernon Blvd and Jackson Ave	14	0	-14
	South Curb between Vernon Blvd and Jackson Ave	23	22	-1
50th Ave	South Curb between Vernon Blvd and Jackson Ave	8	11	3
	South Curb between 2nd St and Center Blvd	0	8	8
51st Ave	North Curb between Jackson Ave and Vernon Blvd	1	0	-1
	North Curb between 2nd St and Center Blvd	0	11	11
Borden Ave	North Curb between 5th St and Vernon Blvd	23	22	-1
	South Curb between 5th St and Vernon Blvd	25	38	13
	South Curb between Vernon Blvd and 11th St	0	23	23
Vernon Blvd	East curb between 49th Ave and 50th Ave	3	2	-1
	West curb between 49th Ave and 50th Ave	5	3	-2
	East curb between 50th Ave and 51st Ave	6	6	0
	West curb between 50th Ave and 51st Ave	6	3	-3
	East curb between 51st Ave and Borden Ave	14	5	-9
	West curb between 51st Ave and Borden Ave	4	0	-4
	Angled spaces between 50th Ave and Borden Ave	40	0	-40
	East curb of Mall between 50th Ave and 51st Ave	6	0	-6
	West curb of Mall between 50th Ave and 51st Ave	9	0	-9
Jackson Ave	North curb between 50th Ave and 51st Ave	12	10	-2
	South curb between 49th Ave and 50th Ave	4	5	1
23rd St	West Curb between Jackson Ave and 45th Rd	2	0	-2
	East Curb between Jackson Ave and 45th Ave	4	13	9
	East Curb from 44th Dr to 35 feet north of 44th Dr	1	0	-1
Thomson Ave	South Curb from Jackson Ave to Court Square East	8	7	-1
Bus Stops	B62, move from Jackson Ave to 47th Ave	2	1	-1
	B32, move to Far side 11th St at 45th Ave	2	5	3
	B62, move to Far side Jackson Ave at Davis St	1	6	5
			Total Parking Spaces Gained	13

Streetscape Design: Materials, Plantings and Furnishings



Next Steps

Preliminary Design Contract

- CB2 Full Board Presentation – Late Fall 2016
- **Identify Phase 1 Limits based on available funding and coordination with DEP/stakeholders**
- Complete Preliminary Design Contract – Winter 2016

Final Design

- Develop Phase 1 final design project scope and initiate new design contract – Spring 2017
- Community Workshop (Phase 1 Project Limits) – Late 2017

DESIGN EXCELLENCE 2.0 GUIDING PRINCIPLES

GROWTH

- Serves a rapidly growing community by increasing pedestrian and bike access to the waterfront, transportation hubs and job centers.
- Adapts neighborhood streets to safely accomodate steadily increasing numbers of pedestrians and bicyclists, while accomodating vehicular traffic flows.



EQUITY

- Creates more attractive and safer streets for all.
- Provides expanded sidewalks and public space for the community.
- Enhances pedestrian experience while preserving street infrastructure for historically commercial and industrial neighborhood.
- Enhances community interaction with new public spaces which can accomodate a variety of activities.



SUSTAINABILITY

- Encourages use of public transportation by improving access to subways, buses, and ferries.
- Improves alternative transportation modes by improving bikeways.
- Mitigates heat island effect and climate change by increasing tree canopy throughout the project area.



RESILIENCE

- Coordinates with DEP storm sewer improvements and green infrastructure implementation plans.
- Protects community against outages caused by storm events by relocating overhead utilities below ground.



HEALTHY LIVING

- Beautifies streets and improves well-being for residents, workers and visitors.
- Minimizes stress for pedestrians and bicyclists by improving crosswalks and simplifying traffic movement at intersections.
- Encourages walking and biking by improving streetscapes and improving connectivity.

