



# Macombs Road University Avenue to Jerome Avenue

School Safety Improvements

Presented to CB 5 | June 2020

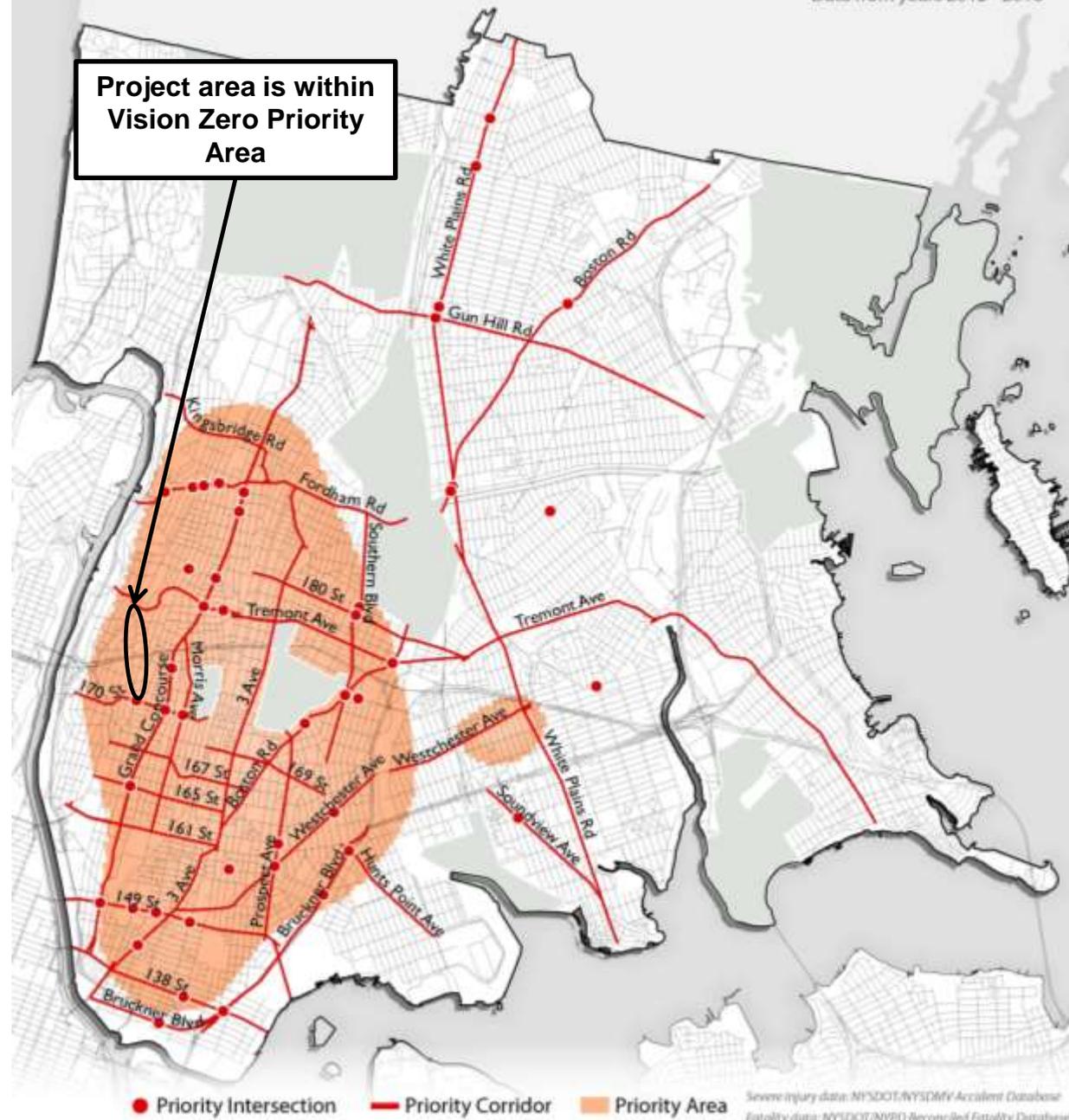


# Macombs Road

## University Ave to Jerome Ave

### Vision Zero

- Multi-agency effort to reduce traffic fatalities in NYC
- Borough Action Plans released in 2019
- Priority Intersections, Corridors, and Areas identified for each borough
- Macombs Road, from University Ave to Jerome Ave, is located in a Priority Area

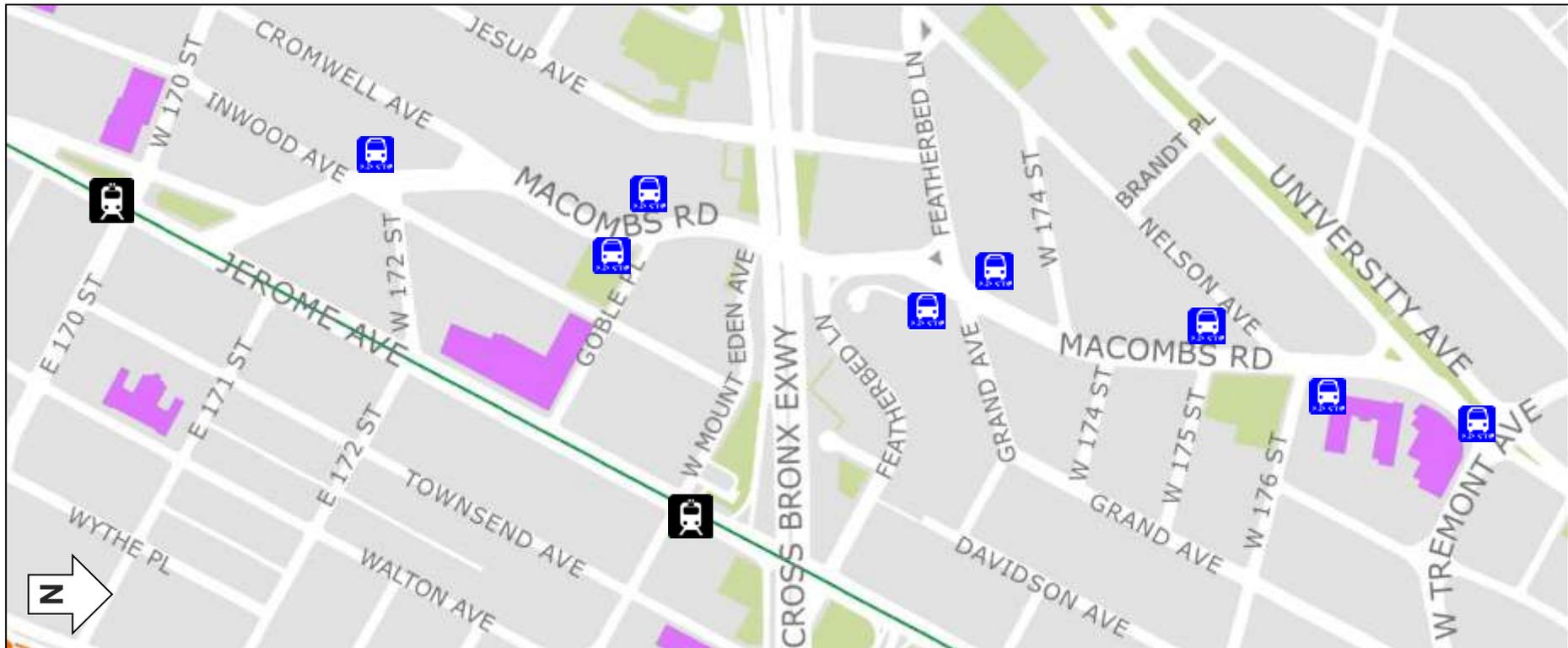


# Macombs Road

## University Ave to Jerome Ave

### Project Area

- Corridor by students accessing PS 204, P723X, IS 232, IS X303 Leadership and Community Service, Academy for Language and Technology
- Dense residential neighborhood with retail on University Ave
- Complex intersection at Macombs Rd and University Ave poses safety issues for pedestrians accessing schools
- Access to the BX 18 on Macombs Rd, the BX3 and BX36 at University Ave and Macombs Rd, and the 4 train on Jerome Ave





# Macombs Road

University Ave to Jerome Ave

## Existing: Confusing Vehicular Circulation



Existing: Macombs Rd, facing north

PS 204

Stop sign

Yield sign obscured by parked vehicles

Large areas of channelization are confusing for northbound traffic on Macombs Rd

# Macombs Road

University Ave to Jerome Ave

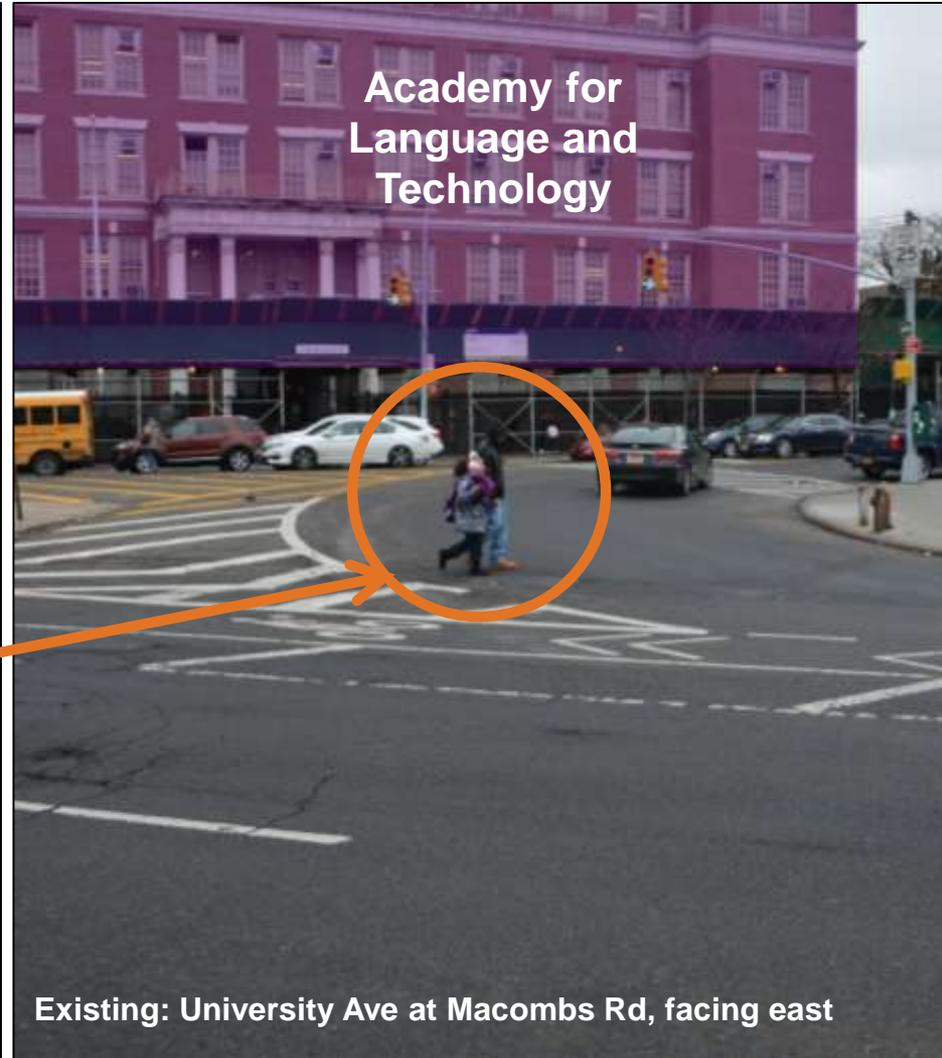
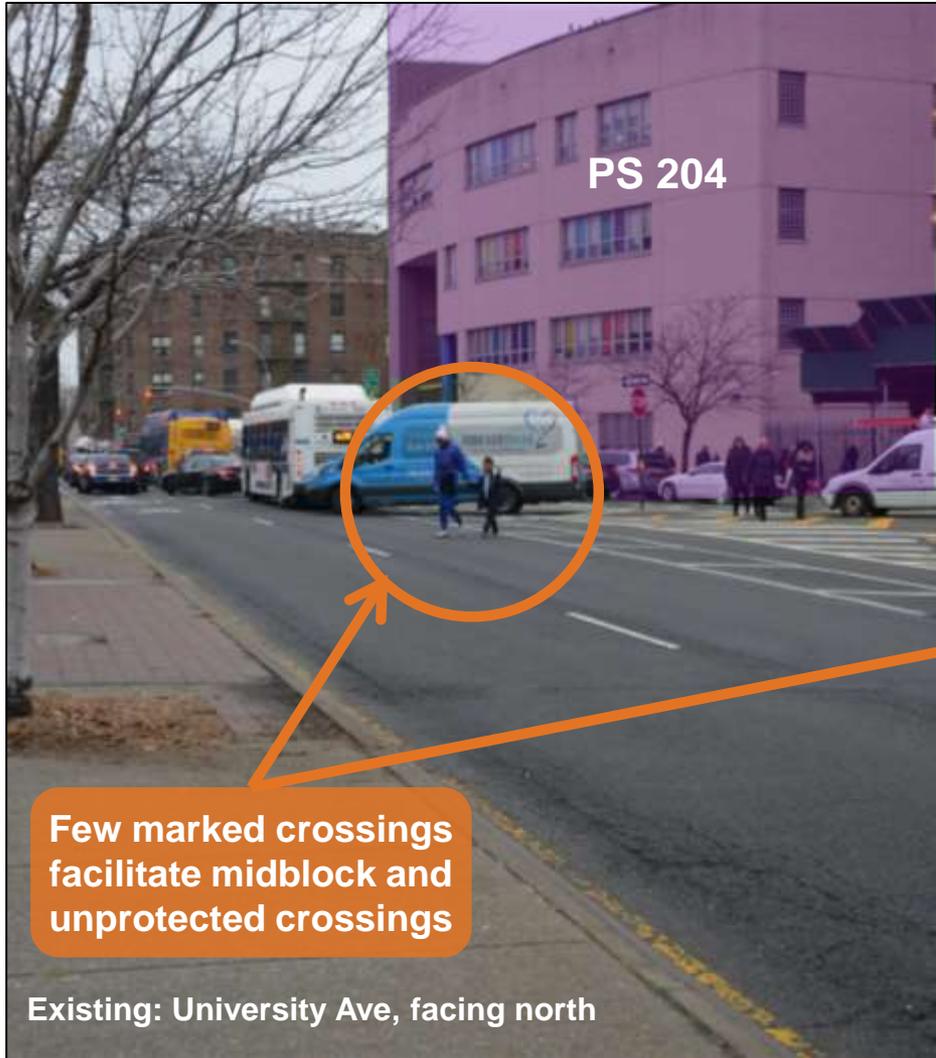
## Existing: Confusing Intersection with Excessive Channelized Space



# Macombs Road

University Ave to Jerome Ave

## Existing: Long Distances Between Crossings

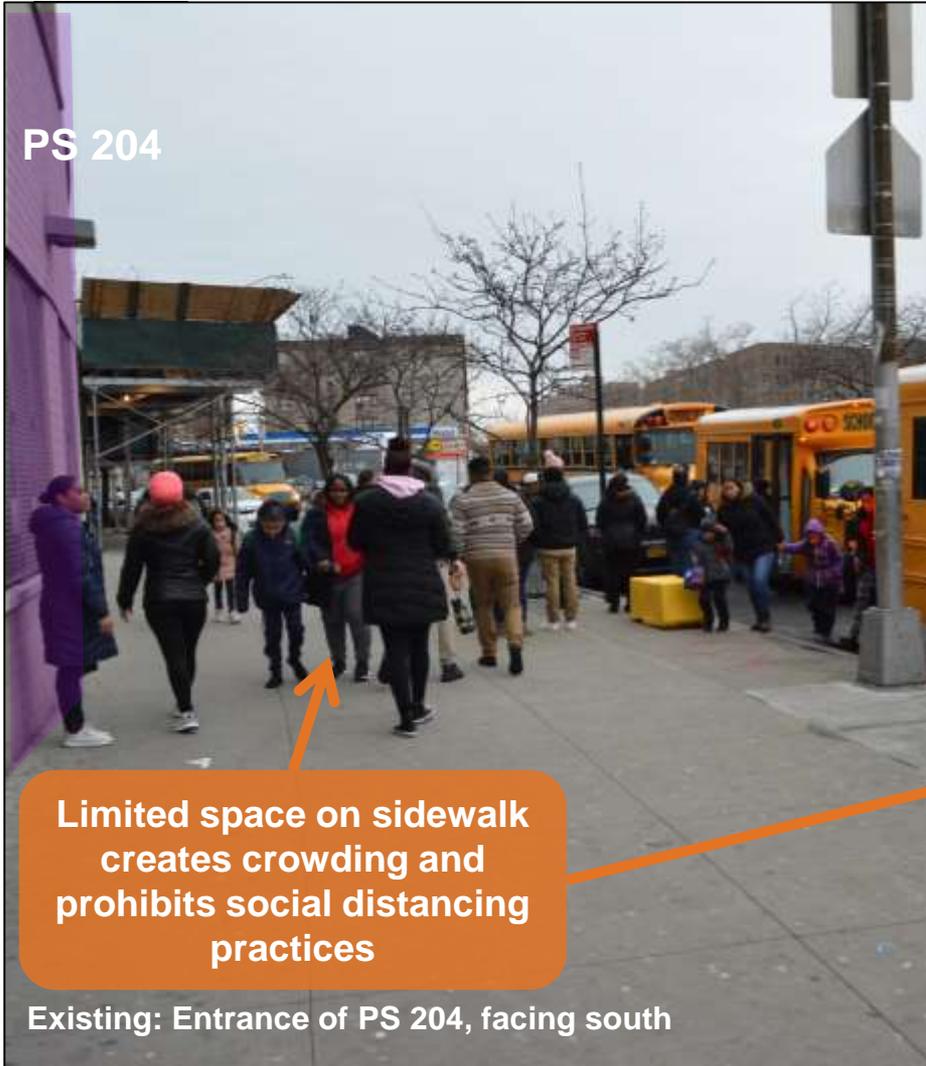


# Macombs Road

University Ave to Jerome Ave

## Existing: Crowded Sidewalks

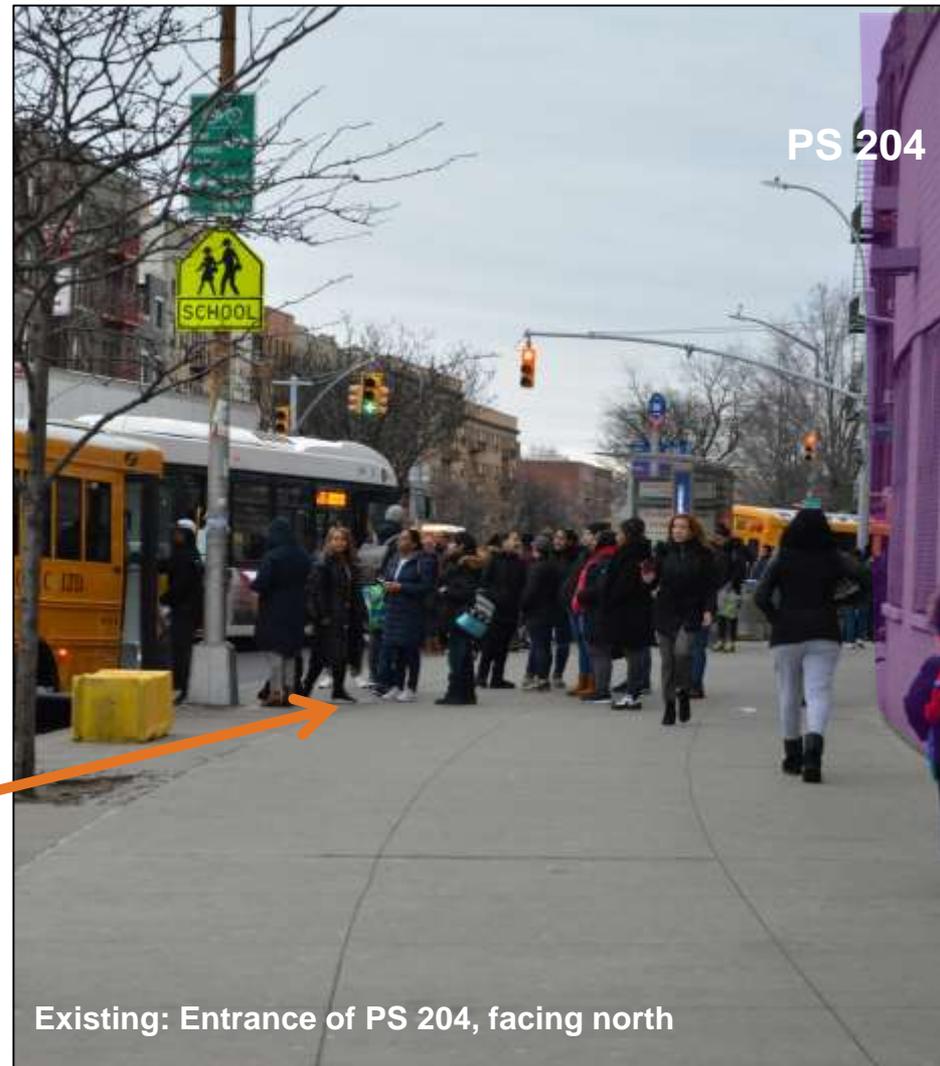
PS 204



Limited space on sidewalk creates crowding and prohibits social distancing practices

Existing: Entrance of PS 204, facing south

PS 204



Existing: Entrance of PS 204, facing north

# Macombs Road

University Ave to Jerome Ave

## Proposal: Organize Roadway and Improve Pedestrian Connections



Consolidating northbound Macombs Rd traffic to one lane simplifies complex intersection

New crossings improve pedestrian connections

Traffic consolidation discourages double parking and bus layovers



Pedestrian-only zone eliminates conflicts with vehicles and provides needed space for social distancing

New bus boarding island provides easier boarding for bus riders and more space for social distancing

# Macombs Road

University Ave to Jerome Ave

## Proposal Detail: Future Asphalt Art \*

Closing a slip lane to vehicular traffic with asphalt art creates vibrant pedestrian-only zone for social distancing and improves connections

Granite blocks and delineators enforce boundaries

PS 69

\* Note: Art is not guaranteed. Safety improvements could be implemented prior to asphalt art. This site will be considered for a 2021 asphalt art installation

Example: Thiernot Ave at PS 69, BX

# Macombs Road

University Ave to Jerome Ave

## Existing: Bus Congestion During Arrival & Dismissal



# Macombs Road University Ave to Jerome Ave

## Proposal: New Loading Zones

New school loading zones on Macombs Rd and University Ave will alleviate congestion

New and Expanded School Loading Zones



Relocated Teacher Parking

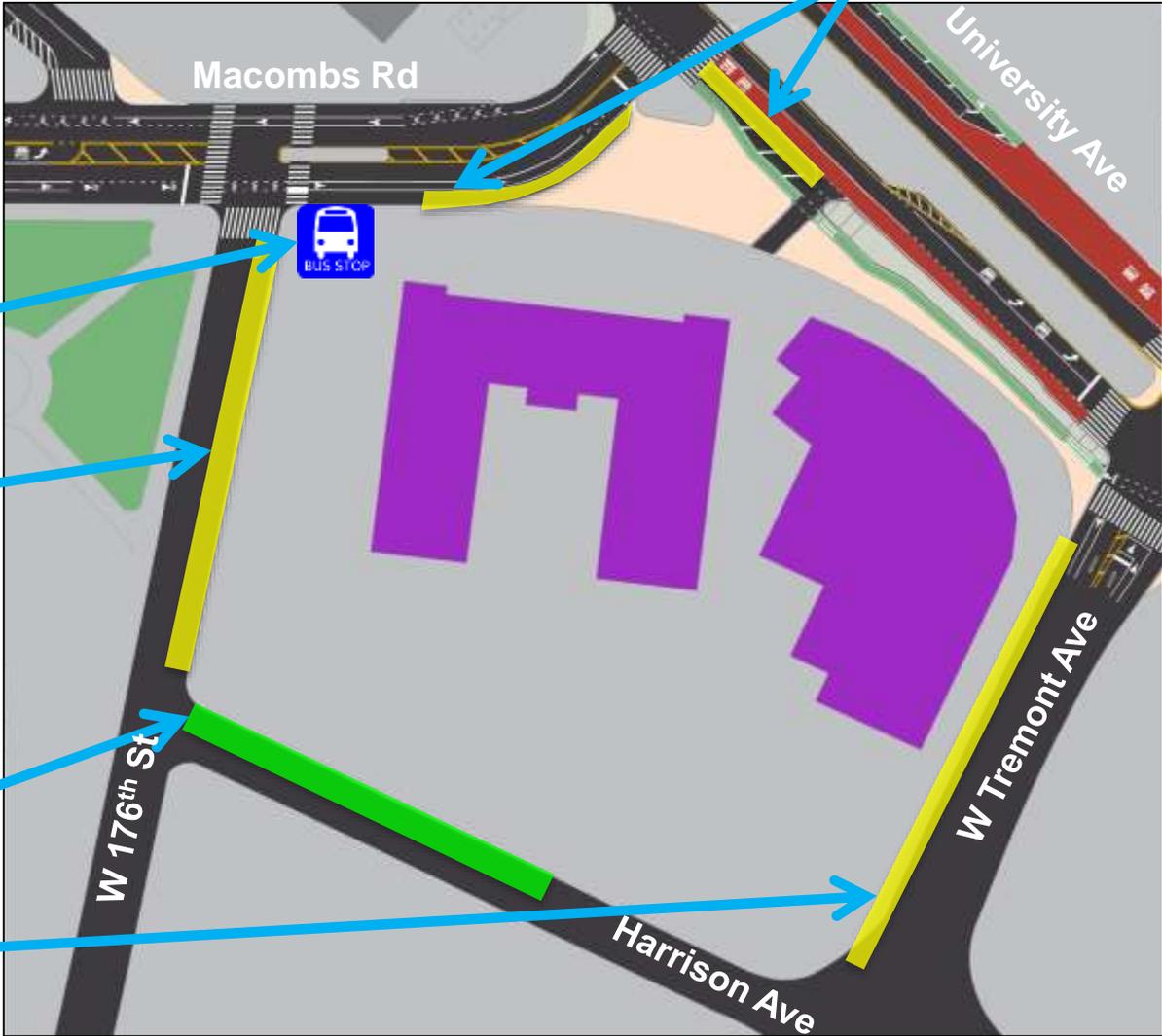


Existing BX18 bus stop

New school loading zones on W 176<sup>th</sup> St will alleviate congestion on Macombs Rd and University Ave

Teacher parking relocated onto Harrison Ave

Expanded loading zone on W Tremont Ave



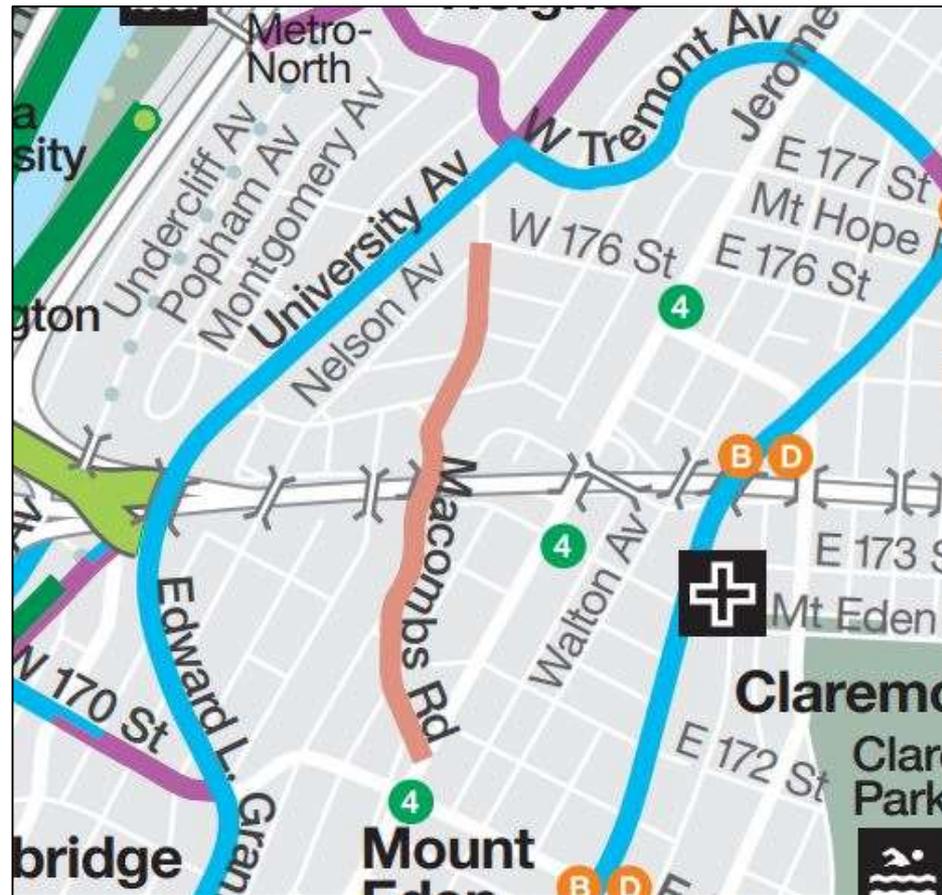
# Macombs Road

University Ave to Jerome Ave

## Existing: No Dedicated Space for Bikes



- Conventional Bicycle Lane
- Protected Bicycle Lane
- Shared Lane
- Signed Route

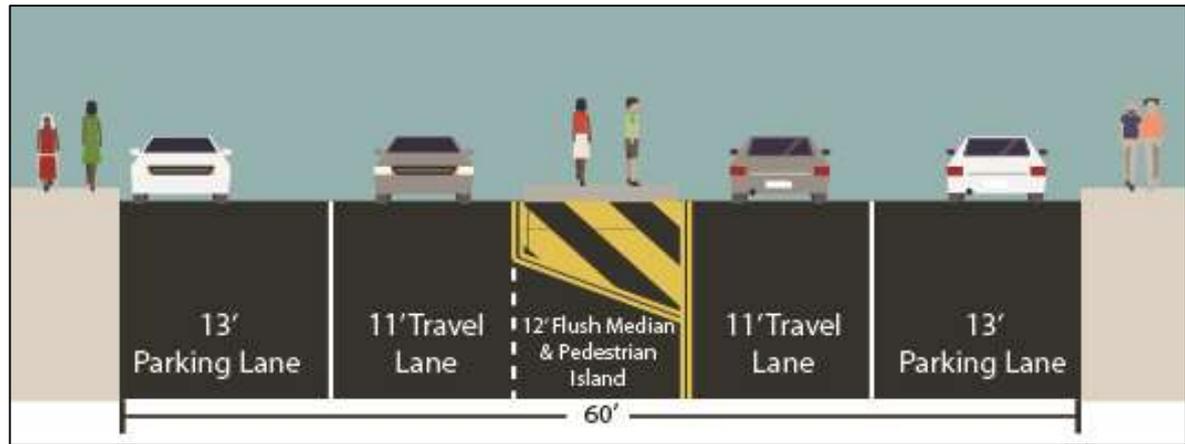


# Macombs Road

University Ave to Jerome Ave

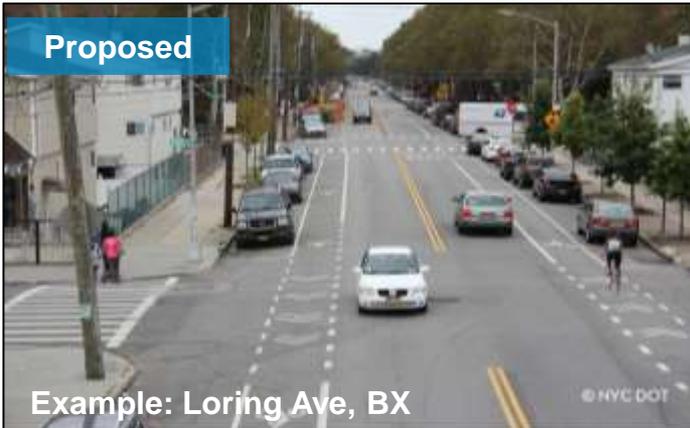
## Proposal: Standard Bike Lane

Existing



New standard bike lanes provide dedicated space for cyclists

Proposed



# Macombs Road

University Ave to Jerome Ave

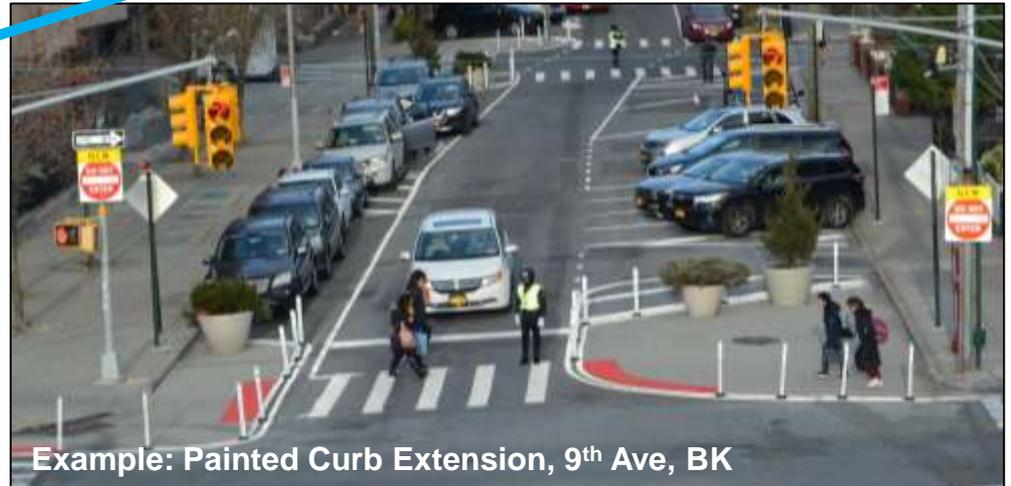
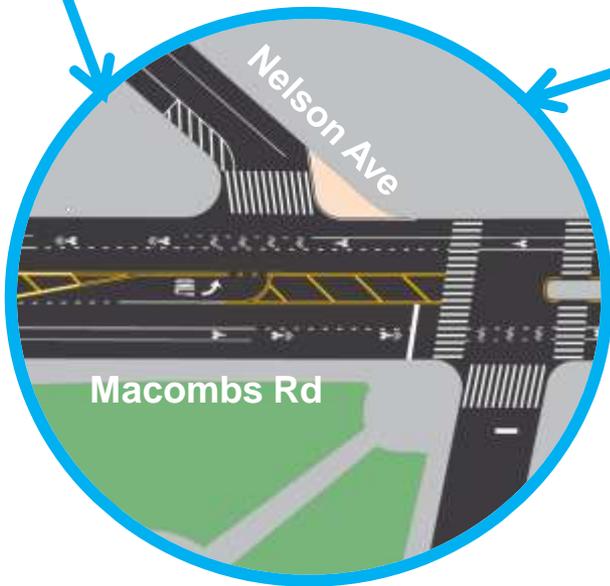
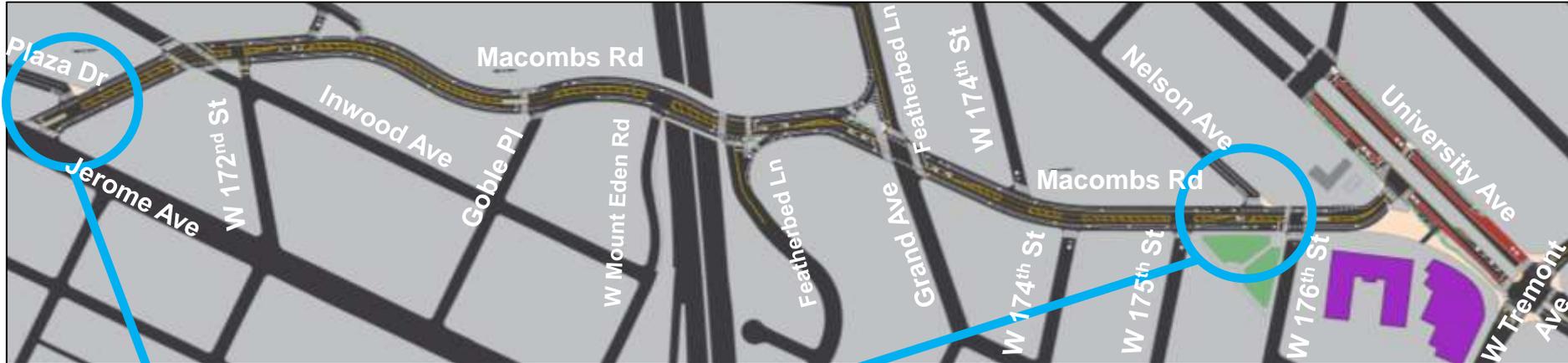
## Existing: Skewed Intersections and Long Crossing Distances



# Macombs Road

University Ave to Jerome Ave

## Proposal: Shorter, Safer Pedestrian Crossings

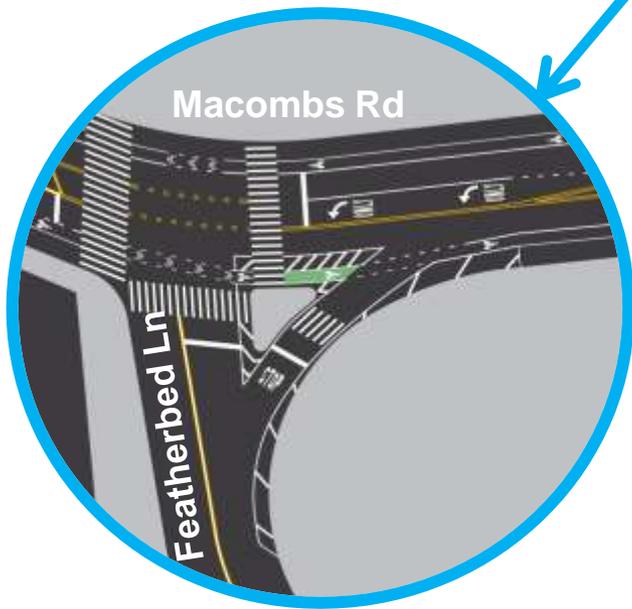
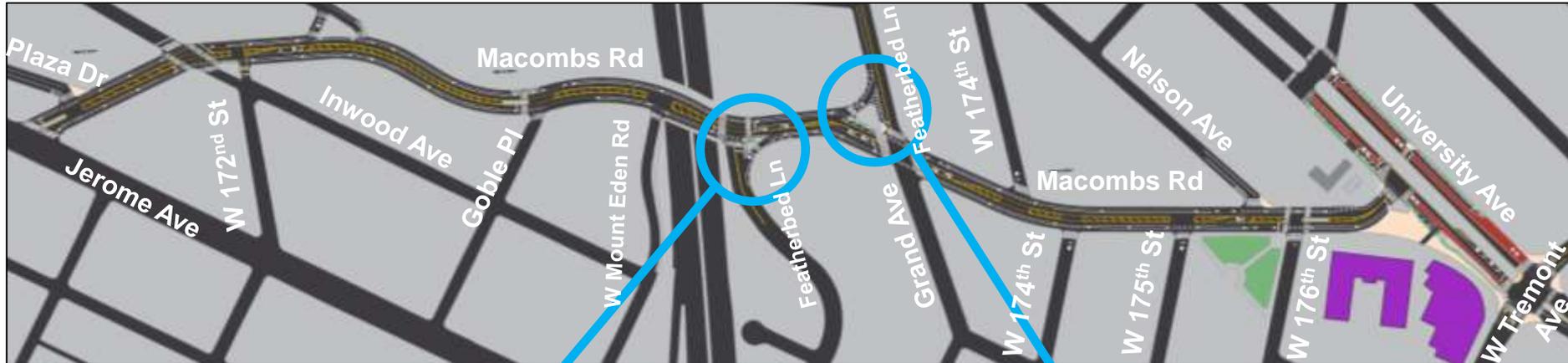


New painted curb extensions improve pedestrian visibility and reduce pedestrian crossing distances

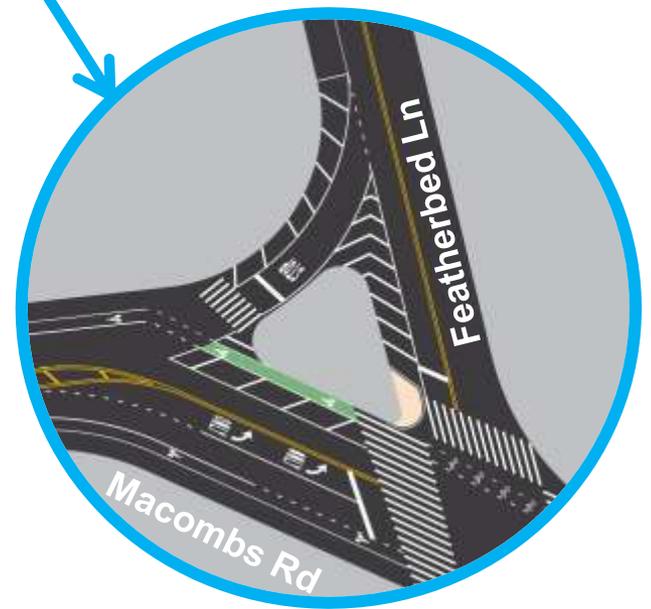
# Macombs Road

University Ave to Jerome Ave

## Proposal: Slower, Safer Vehicular Turns



Channelization narrows the roadway, organizes traffic movements, and creates slower, safer vehicular turns



# Thank You!



Contact: NYCDOT Bronx Borough Commissioner's Office – (212) 748-6680



NYCDOT



nyc\_dot



nyc\_dot



NYCDOT