



# Curbside Bike Lane Separation Opportunities

BPAC  
Infrastructure Committee  
November 7, 2024

OakDOT  
Safe Streets Division  
Bicycle & Pedestrian Program



# Goals

Lower traffic stress and increase perceived safety in locations where there are few tradeoffs

Develop a toolkit for future projects and maintenance efforts

Collaborate with BPAC's Infrastructure Committee





# Example Locations



3<sup>rd</sup> St



E 12<sup>th</sup> St



Embarcadero



17<sup>th</sup> St



Broadway Terrace



Mandela Pkwy

# Discussion to Date with the Infrastructure Committee

## June 2019 – Protecting Oakland’s Curbside Buffered Bike Lanes

- General overview (which is included in this presentation)
- Preliminary list of candidate locations
- Priorities included MacArthur Blvd (along Mills College) and 17<sup>th</sup> St (San Pablo Ave to Telegraph Ave)

## October 2020 – Citywide Active Transportation Enhancement Project (constructed 2021)

- Covid-related ACTC mini-grant for quick build pedestrian and bicyclist improvements
- Work was completed by City crews
- Used conventional materials and methods to move quickly

## September 2023 – Citywide Active Transportation Project (pending construction)

- Includes multiple curbside buffered bike lane upgrades
- Packaged with other spot improvements, City Council earmarks, and clean-up in the Caltrans right-of-way
- As of Fall 2024, the design is complete and the project is being packaged for bidding



# Types of Quick Build Separation

IN USE IN OAKLAND



water barriers



plastic posts



planters with wheel stops



curb-delineator systems



surface mounted islands



lumps

NOT (YET?) IN USE



# Operational Considerations



sweeping



drain inlets & gutters



wear-and-tear



waste collection



emergency access



maintenance access



# Completed Upgrades



Oakland Ave (5/2023)



Keith Ave (6/2023)



Embarcadero (4/2021)



# Locations – Completed and Current

## Completed

- [Embarcadero West \(Embarcadero Bridge to Oak St\)](#)
- Oakland Ave approach Perry Pl (no streetview as of 11/4/24)
- [Keith Ave approaching Broadway](#)

## Current Citywide On-Call Project

- [Market St northbound \(18<sup>th</sup> St to 19<sup>th</sup> St\)](#)
- [Harrison St slip turn approaching Grand Ave](#)
- [17<sup>th</sup> St \(San Pablo Ave to Telegraph Ave\)](#)
- [3<sup>rd</sup> St / Mandela Pkwy \(Union St to 5<sup>th</sup> St\)](#)
- [MacArthur Blvd \(High St to Buell St\)](#)
- [MacArthur Blvd \(Richards Rd to Seminary Ave\)](#)



# Locations – Additional Opportunities

## Additional Opportunities

- 14<sup>th</sup> St at Mandela Pkwy median [HSIP project]
- 20<sup>th</sup> St (Harrison St to Broadway) [streetscape project pending construction]
- 73<sup>rd</sup> Ave southbound (Foothill Blvd to Halliday Ave) [streetscape project pending design]
- Alameda Ave west of Home Depot entrance [concrete blocks placed to deter camping]
- Broadway (south of Pleasant Valley Rd to College Ave)
- Broadway Ter (Monroe Ave to Harbord Dr)
- E 10th St at Lake Merritt Channel Bridge [East Bay Greenway]
- E 12<sup>th</sup> St eastbound (14<sup>th</sup> Ave to 18<sup>th</sup> Ave) [paving coordination opportunity; East Bay Greenway]
- Embarcadero (10<sup>th</sup> Ave to 16<sup>th</sup> Ave) [Port jurisdiction]
- Harrison St (MacArthur Blvd to Stanley Pl) [under I-580, paving coordination opportunity]
- Hollis St under I-580 [debris and dumping are concerns]
- Webster St (34<sup>th</sup> St to 36<sup>th</sup> St) [paving coordination opportunity; debris and dumping are concerns]



# Candidates for Adding Buffers and Vertical Elements

## Candidate Bike Lanes for Adding Buffers and Vertical Elements

- 7<sup>th</sup> St eastbound (Henry St to Chester St) [paving coordination opportunity]
- 24<sup>th</sup> St (Mandela Pkwy to Mandela Pkwy) [paving project pending design]
- Broadway Ter (Hwy 13 offramp to Glenwood Glade) [may be a paving coordination opportunity]
- E 12<sup>th</sup> St (22<sup>nd</sup> Ave to 23<sup>rd</sup> Ave) [East Bay Greenway]
- Grand Ave eastbound (Harrison St to Bay Pl) [Lakeside Family Streets project]
- Horton St (Mandela Pkwy to 40<sup>th</sup> St) [would involve Emeryville]
- Mandela Pkwy (32<sup>nd</sup> St to Horton St) [paving coordination opportunity]
- Market St (3<sup>rd</sup> St to 7<sup>th</sup> St) [paving project pending final design]
- W Grand Ave (Mandela Pkwy to Mandela Pkwy) [West Oakland Link, current paving project]
- W Grand Ave (San Pablo Ave to Brush St) [paving coordination opportunity]





City of Oakland, Department of Transportation  
Safe Streets Division, Bicycle & Pedestrian Program

Jason Patton, Senior Transportation Planner  
Jason Cook, P.E., Transportation Engineer  
David Pené, P.E., Transportation Engineer