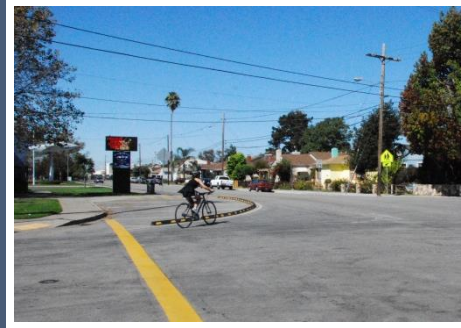
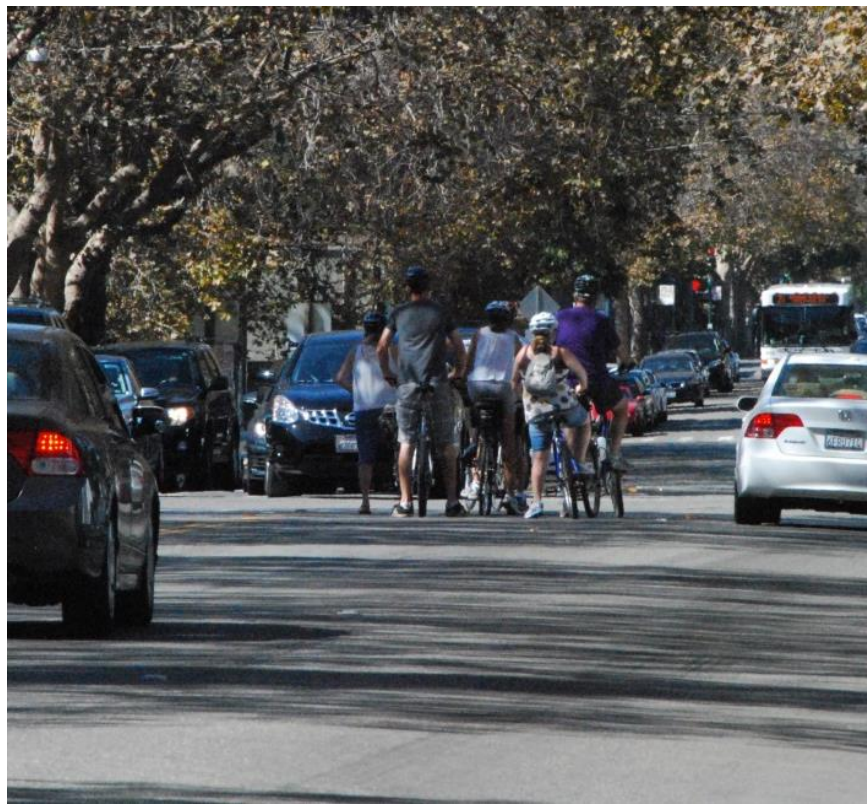




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Smith**



**PLACEWORKS**

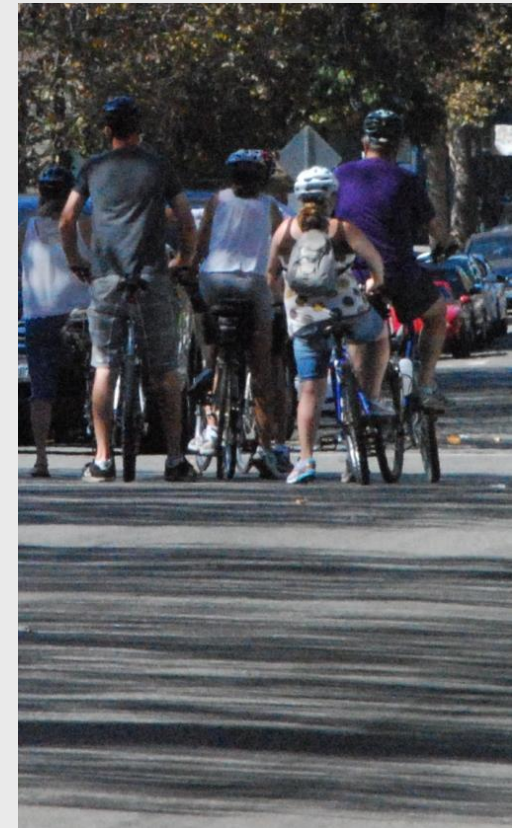


## Central Avenue Safety Improvement Project

Community Workshop | December 5, 2018

# Agenda

- Welcome and Introductions
  - City Officials and Staff
  - Consultants
- Purpose of Meeting
  - Work to Date
  - Draft Options for 2019 Analysis
- Meeting Format
  - Presentation + Q&A (30 minutes)
  - Break-out Rooms (45 minutes)
- Next Steps





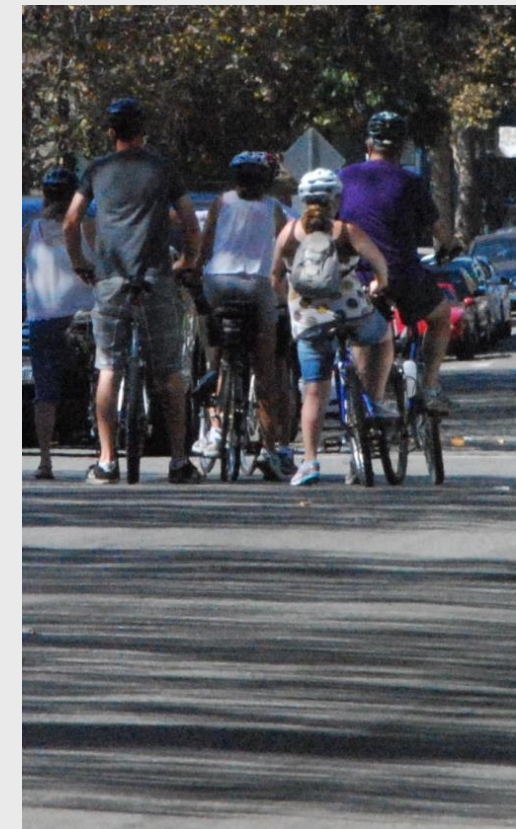
# Project Area



- Project Segments
  1. West End to Paden: 2-way Bikeway
  2. Paden to Eighth St: Options to Review
  3. Gold Coast: Bike Lanes

# Next Steps

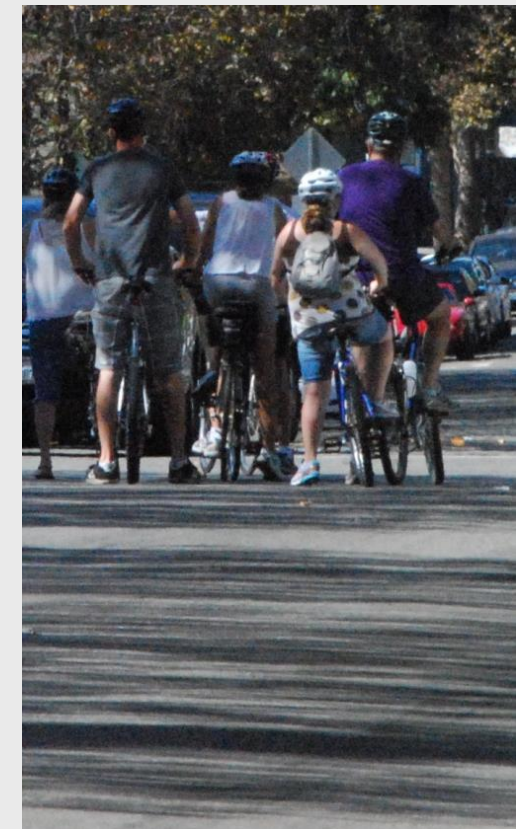
- Refine Options – early 2019
  - Transportation Commission: January 23
  - City Council: February 19
- Analyze Options – early/mid 2019
- Request Concept Approval for Webster Street Area – mid 2019
- Final Design – 2020/2021
- Construction – 2021





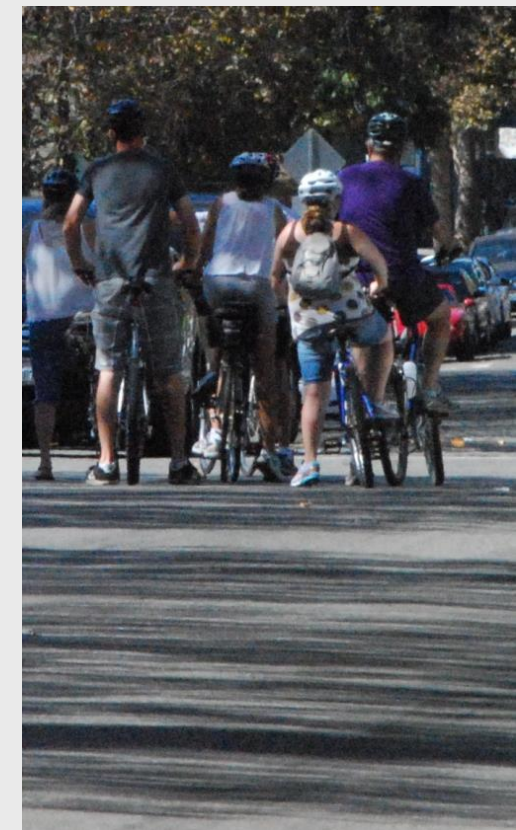
# Central Ave Safety Project

- Safety Project: Pedestrians, Bicyclists, Automobiles
- Collisions = Injuries or Death
- Reduce speeding, reduce likelihood of collisions, reduce severity of injury
- Make corridor more pleasant to live on and travel on. More fun, less dangerous
- Reduce reliance on automobile
- Reduce greenhouse gas emissions



# Safety

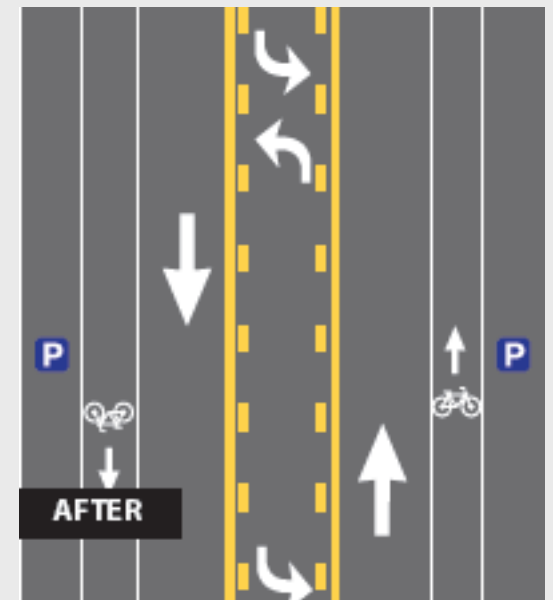
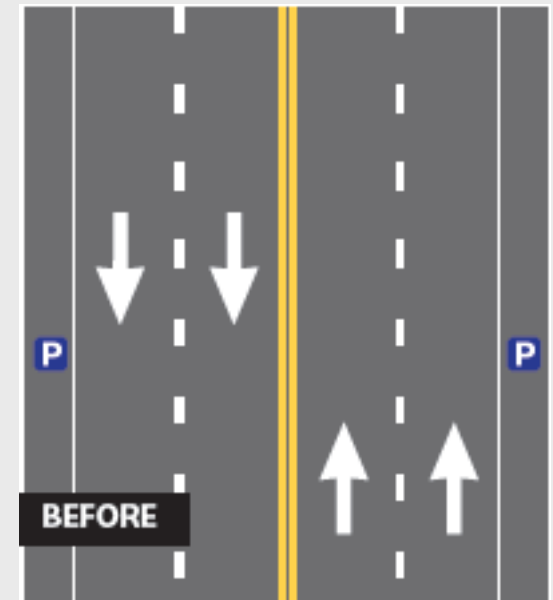
- 89 injuries from collisions past 10 years
  - 18 walking = 20% (16% citywide)
  - 22 bicycling = 25% (16% citywide)
- Bicycling/walking injuries = 45% (32% citywide)
- Study Area mileage = 1.4% of citywide streets
- Study Area injuries = 4.1% (compared to citywide injuries)
- Actual Speeds: 30-33 mph
  - 25% Average Risk of Death at 32.5 mph
  - 10% Average Risk of Death at 24.1 mph



# Safety: Three-lane Streets

According to FHWA:

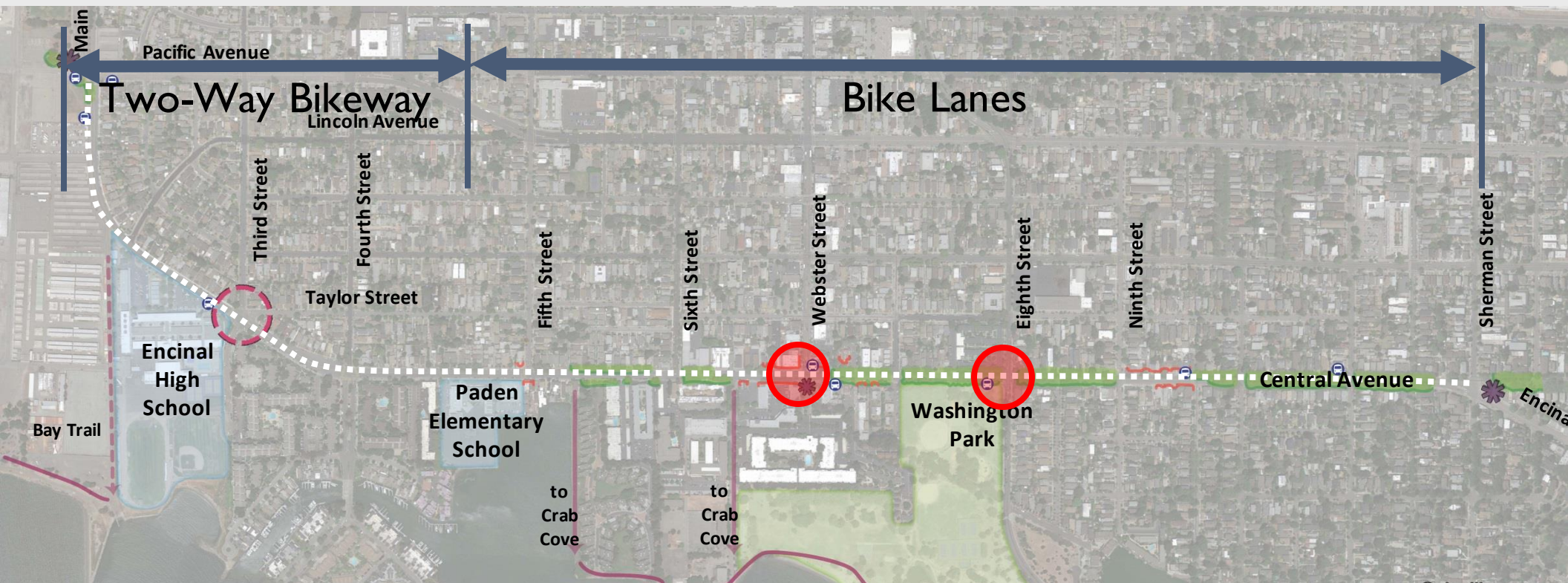
- Reduces collisions by at least 19%
- Reduces speeds by at least 3 mph
- Less severe collisions
- Fewer vehicle lanes to cross
- Better visibility of pedestrians
- Space for bicyclists
- Smoother travel flow





# Work to Date

- West End Section
  - Two-way Protected Bikeway
- East End Section
  - Bike Lanes (except for Webster Street Area)



Central Avenue Safety Improvement Project



# Approved Concept: West End

- Two-way Protected Bikeway:
  - Alameda Point
  - Paden, Encinal and Junior Jets Schools
  - SF Bay Trail



# Approved Concept: Paden School-Sherman (except for the Webster Street Area)

- Do nothing different
- Sharrows markings
- Bike lanes + center turn lane
- Two-way separated bikeway
- One-way separated bikeway
- Buffered bike lanes

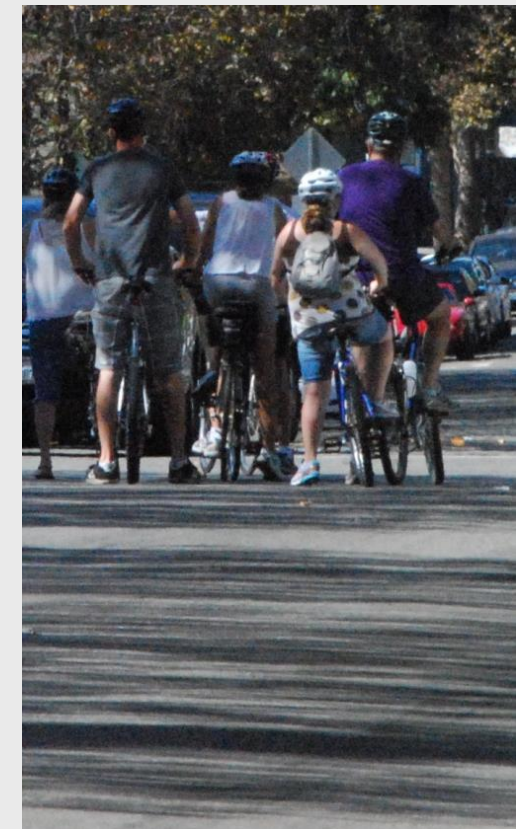




# Design Options

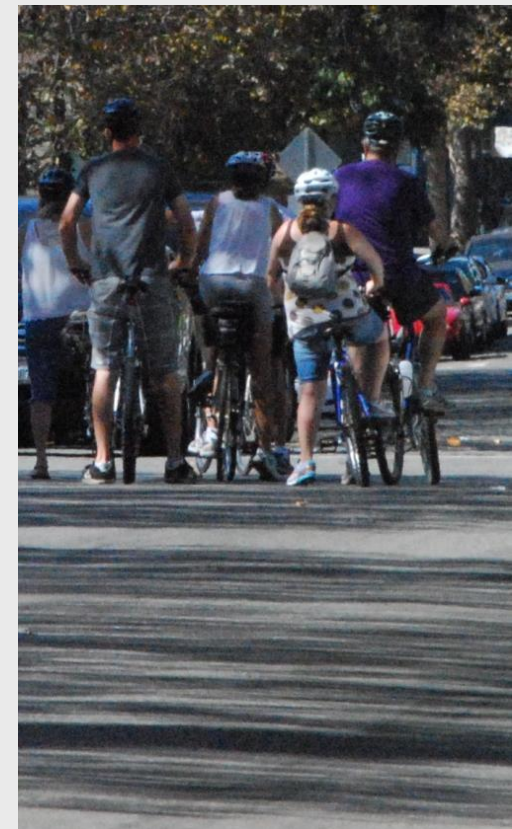
## (Paden Elementary to Washington Park)

- No Build Alternative (Existing Conditions)
- Webster Street to Washington Park
  - Bike Lanes and Sharrows at Webster Street
  - Continuous Bike Lanes
  - Two-way Protected Bikeway
- Paden Elementary to McKay/Bay Trail
  - Bike Lanes
  - Two-way Protected Bikeway



# General Improvements

- Bicycle Lanes, Two-way Protected Bikeway, and Bike Racks
- Curb Bulbs, Enhanced Crosswalks, Pedestrian Refuges, and Pedestrian Beacons
- Traffic Signals – New / Improved
- Street Lighting
- Bus Stop Improvements
- Landscaping, Street Trees, and Green Stormwater Infrastructure
- Accessible On-street Parking





# Webster Street (Existing Conditions)



Central Avenue Safety Improvement Project



# Webster Street (Sharrows Option)



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# Webster Street (Bike Lane Option)



Central Avenue Safety Improvement Project



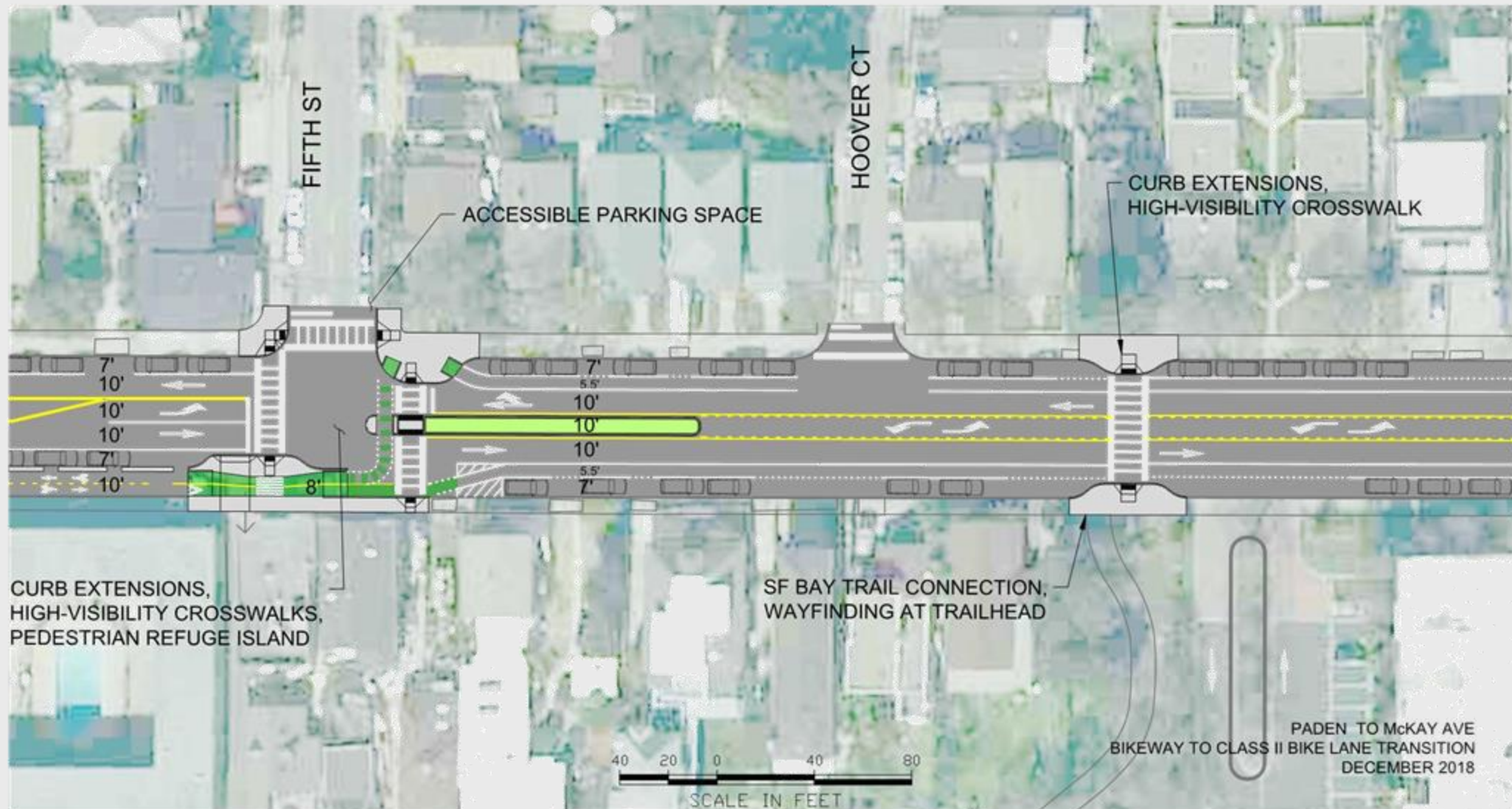
# Webster Street (Two-way Protected Bikeway Option)



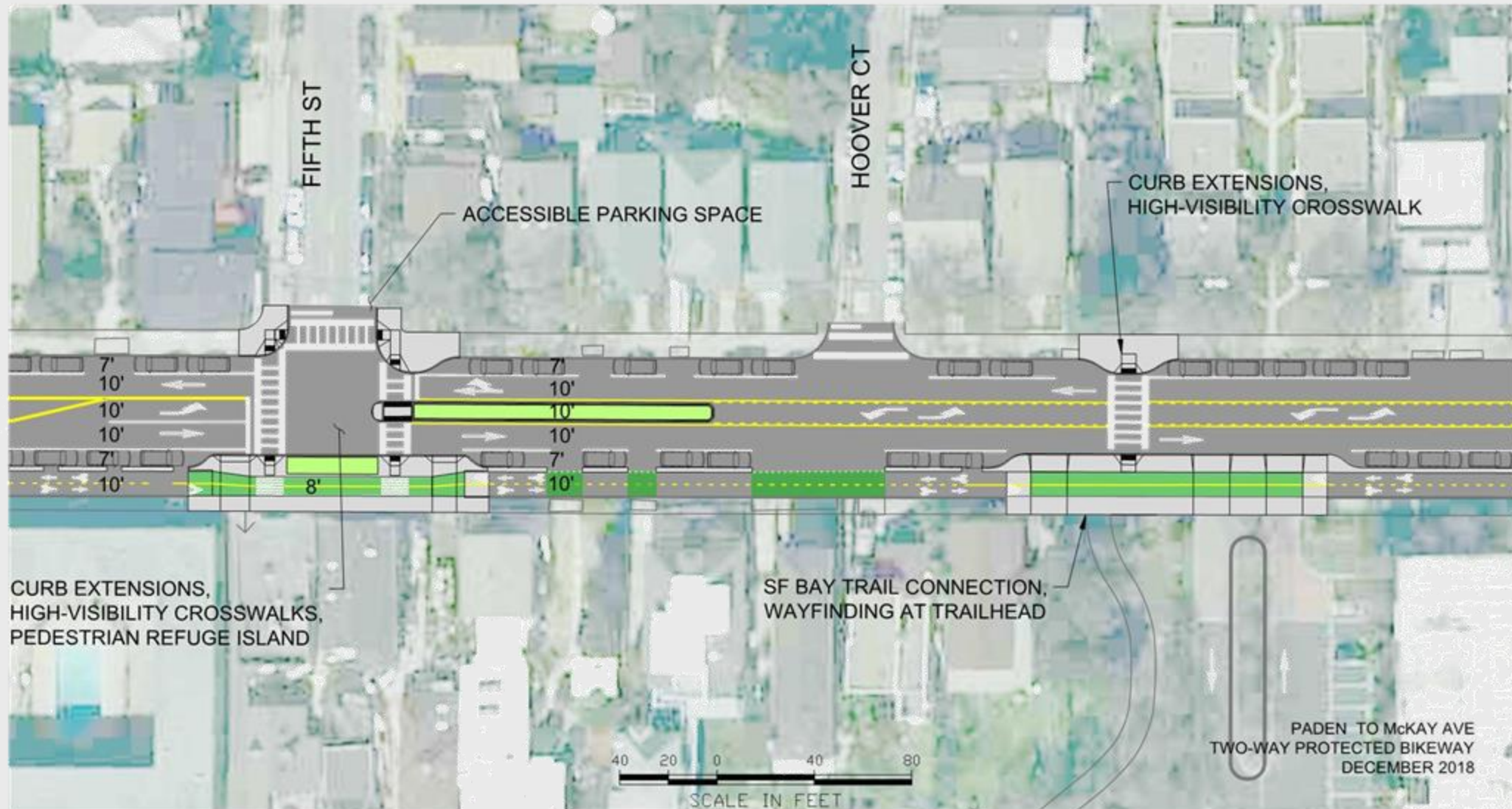
Central Avenue Safety Improvement Project



# Paden to McKay (Bike Lane Option)



# Paden to McKay (Two-way Protected Bikeway Option)





# Protected Bikeway Examples



Central Avenue Safety Improvement Project



# Raised Protected Bikeway Examples



Central Avenue Safety Improvement Project



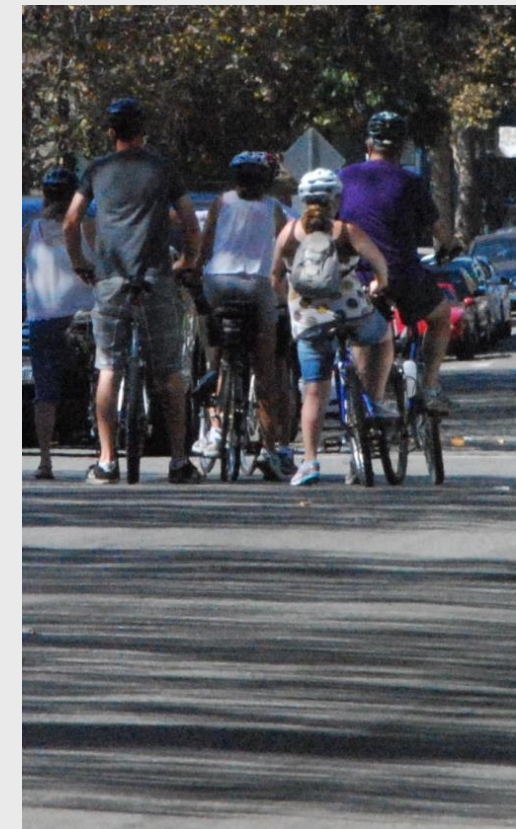
# Protected Bikeway Driveway Examples



Central Avenue Safety Improvement Project

# Outreach Summary

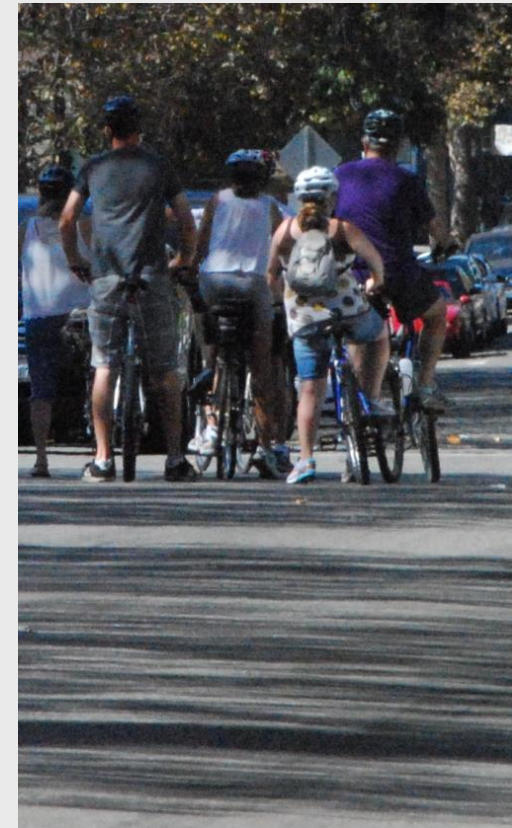
- Technical Advisory Committee
- Key Community Stakeholders
  - West Alameda Business Association
  - Bike Walk Alameda
- Workshop #4: Wed, Dec 5, 2018
- Open Forum survey: coming soon!
- Transportation Commission: Jan 23, 2019
- City Council: Feb 19, 2019
- Project email list serv: 500+ emails
- Web page: <https://alamedaca.gov/public-works/central-avenue-complete-street>





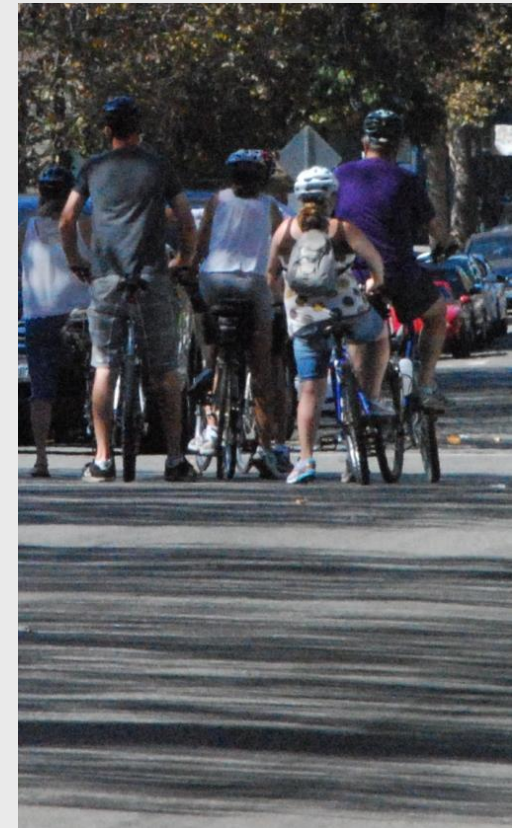
# Requested Input

- Are **there adjustments or additional options** to study in the Webster Street Area?
- Do you agree that the City should **extend the two-way bikeway** from Paden School to McKay Avenue?



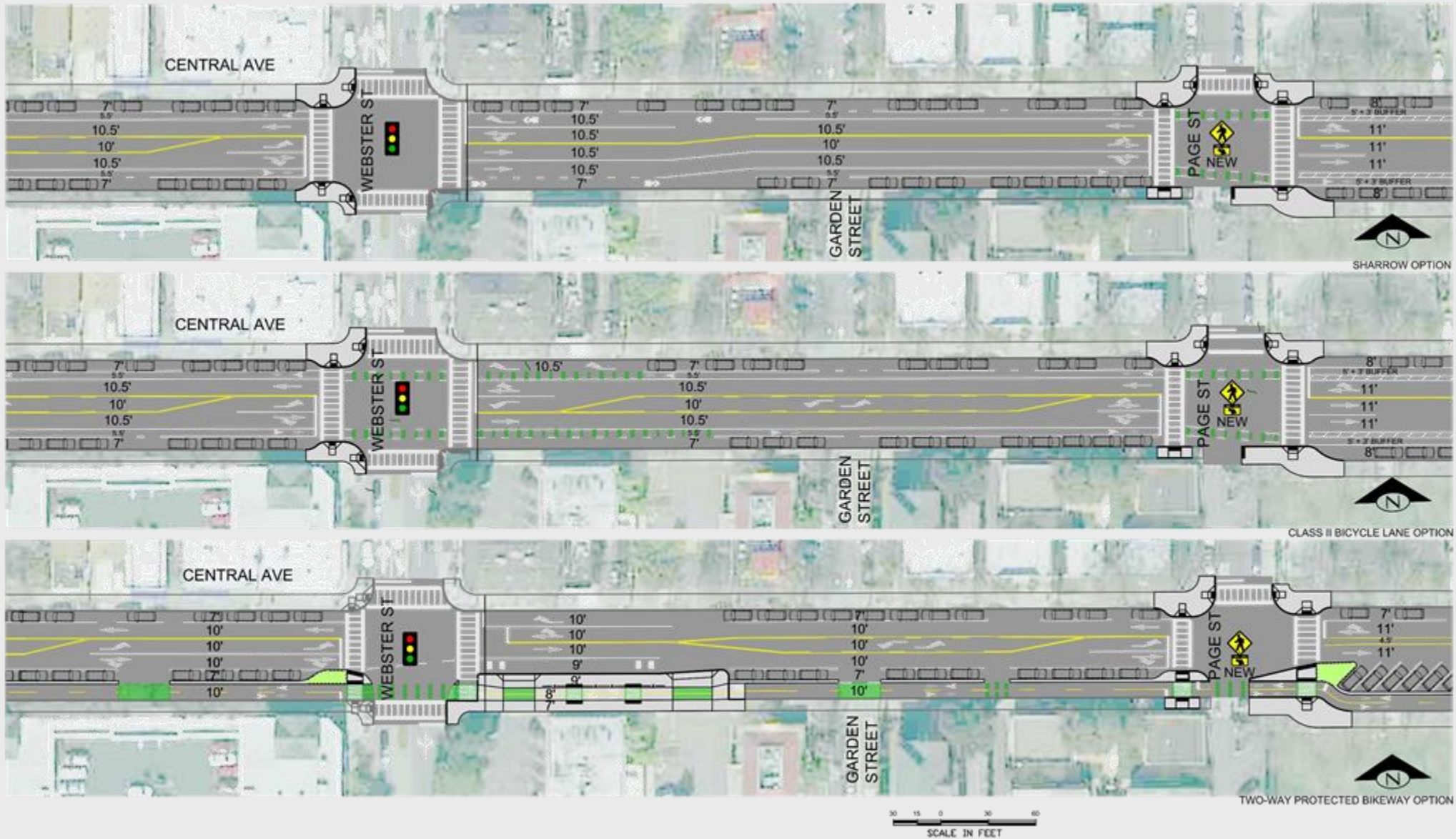
# Break-out Rooms

- West End (Pacific Ave to Fourth Street)
  - Room 360 by the elevator
- Central (Fourth Street to Eighth Street)
  - Council Chambers
- Gold Coast/East (Eighth Street to Encinal Avenue/Sherman Street)
  - Room 391 behind the Chambers





# Break-out Session



**WEBSTER STREET**  
SHARROWS, CLASS II BICYCLE LANES AND  
TWO-WAY PROTECTED BIKEWAY OPTIONS  
DECEMBER, 2018

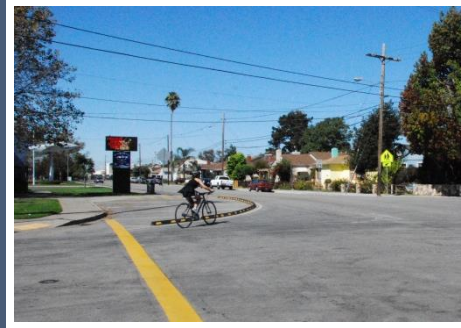
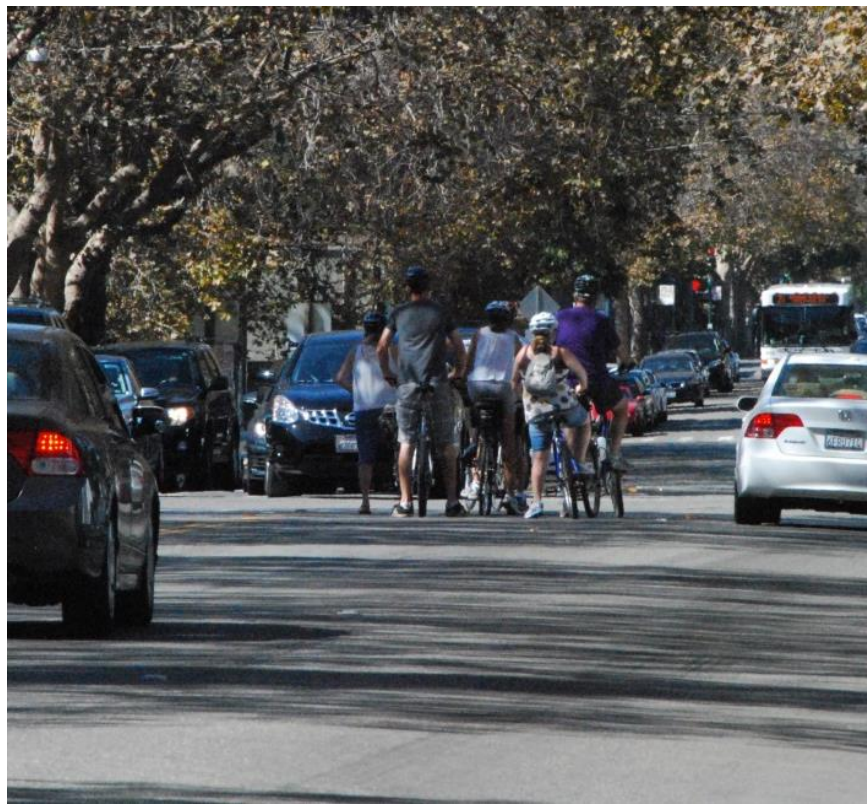




**CDM  
Smith**



**PLACEWORKS**

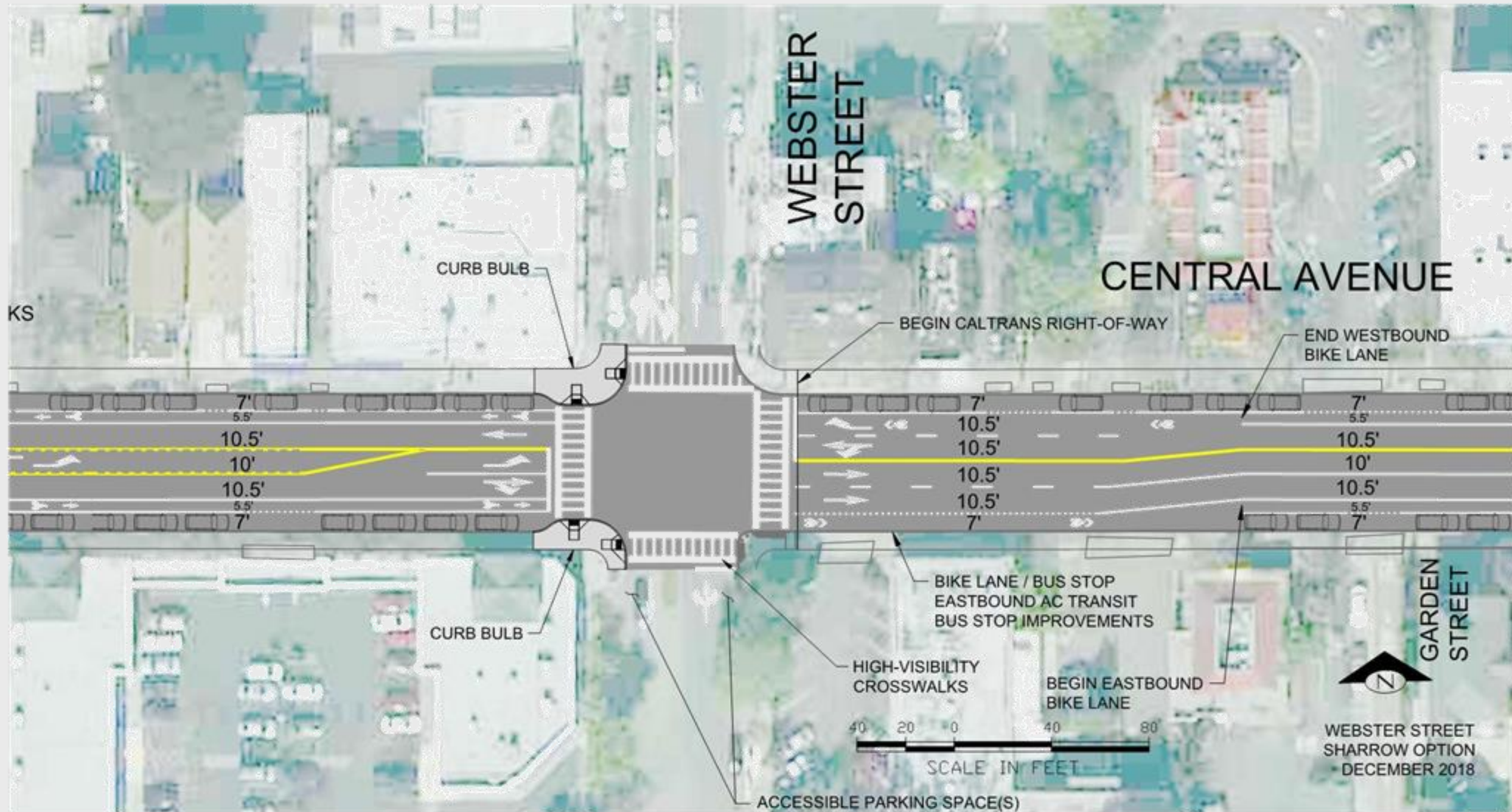


## Central Avenue Safety Improvement Project

Community Workshop | December 5, 2018

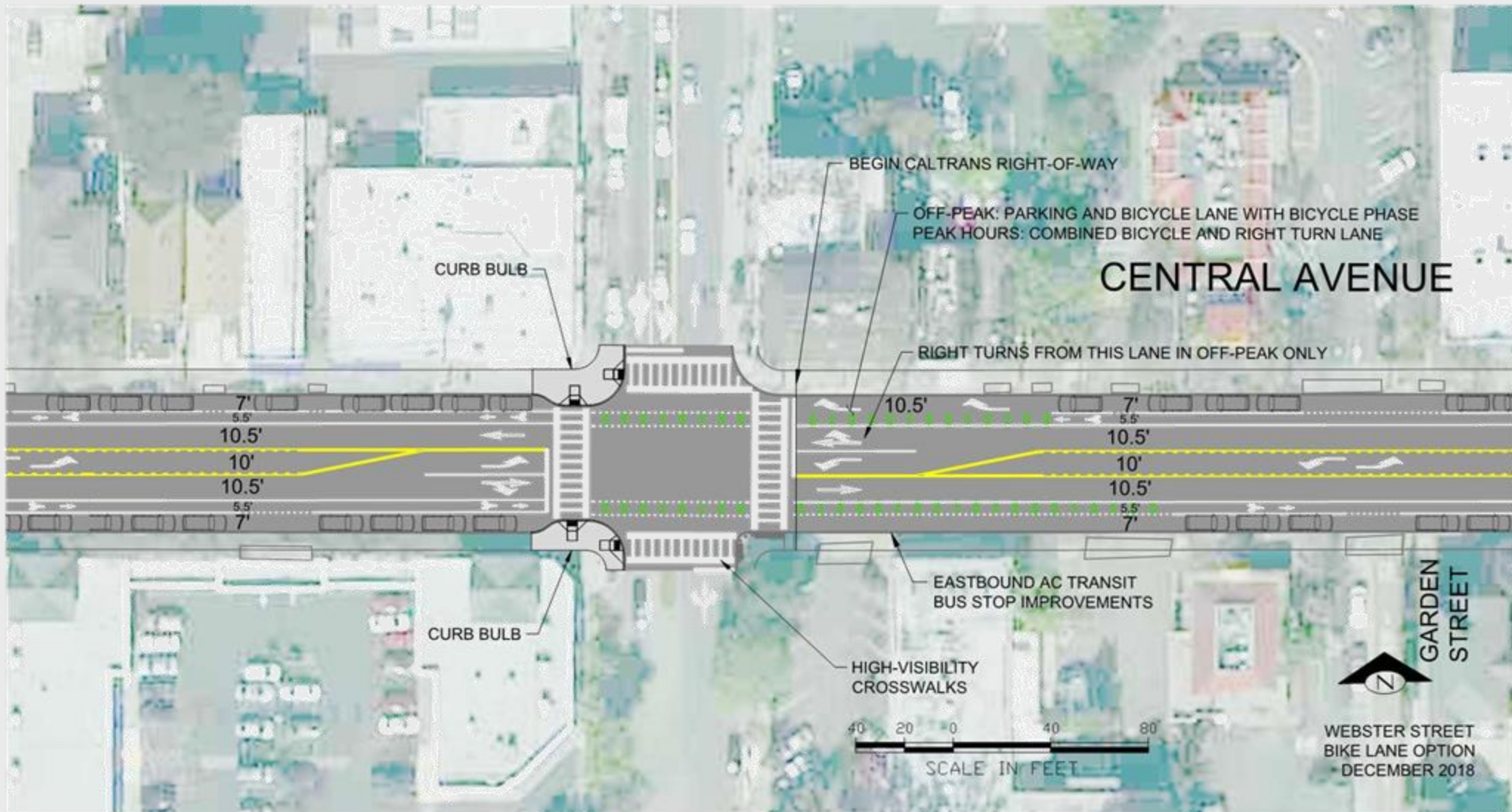


# Webster Street (Sharrow Option)



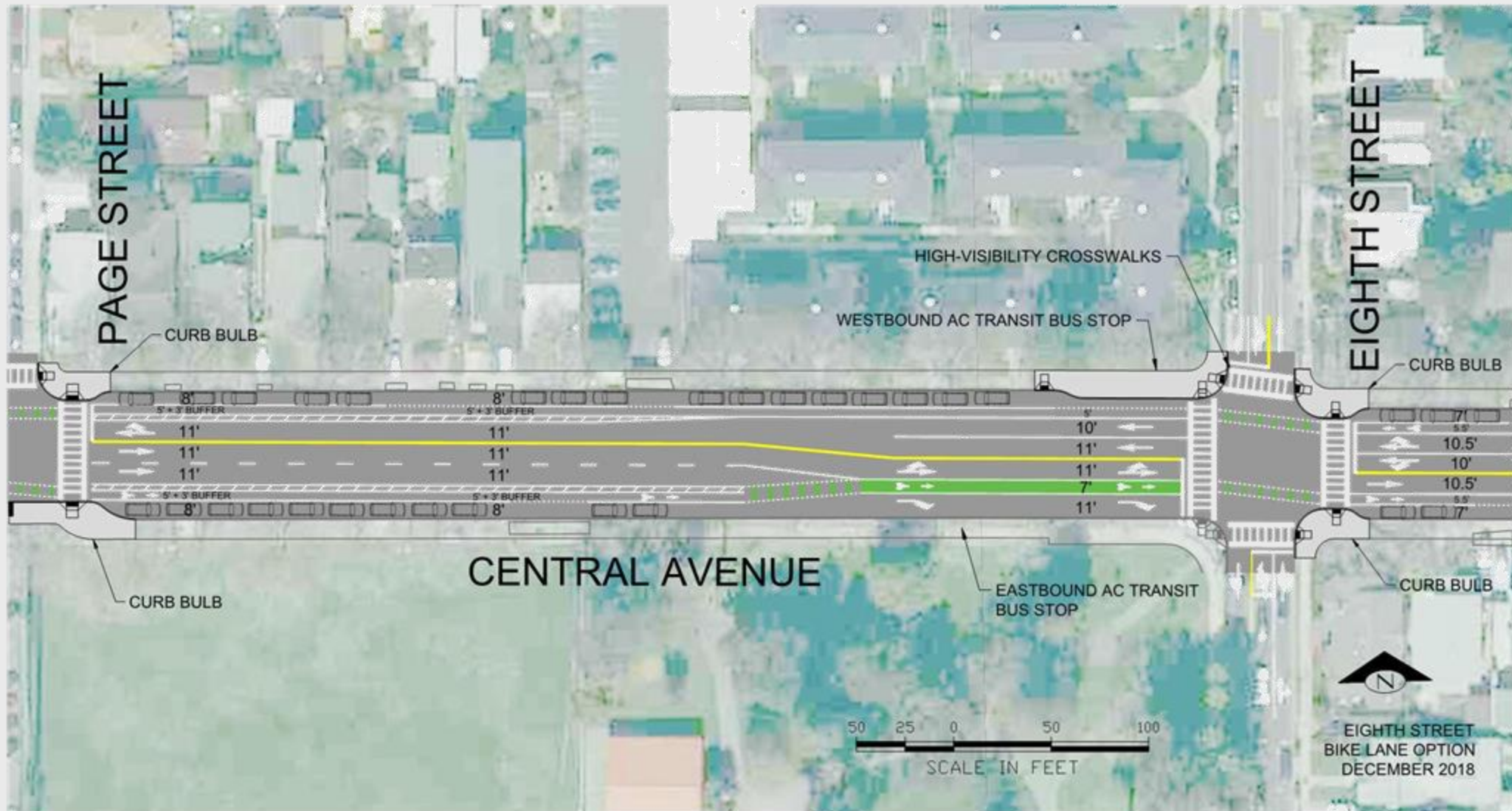


# Webster Street (Bike Lane Option)

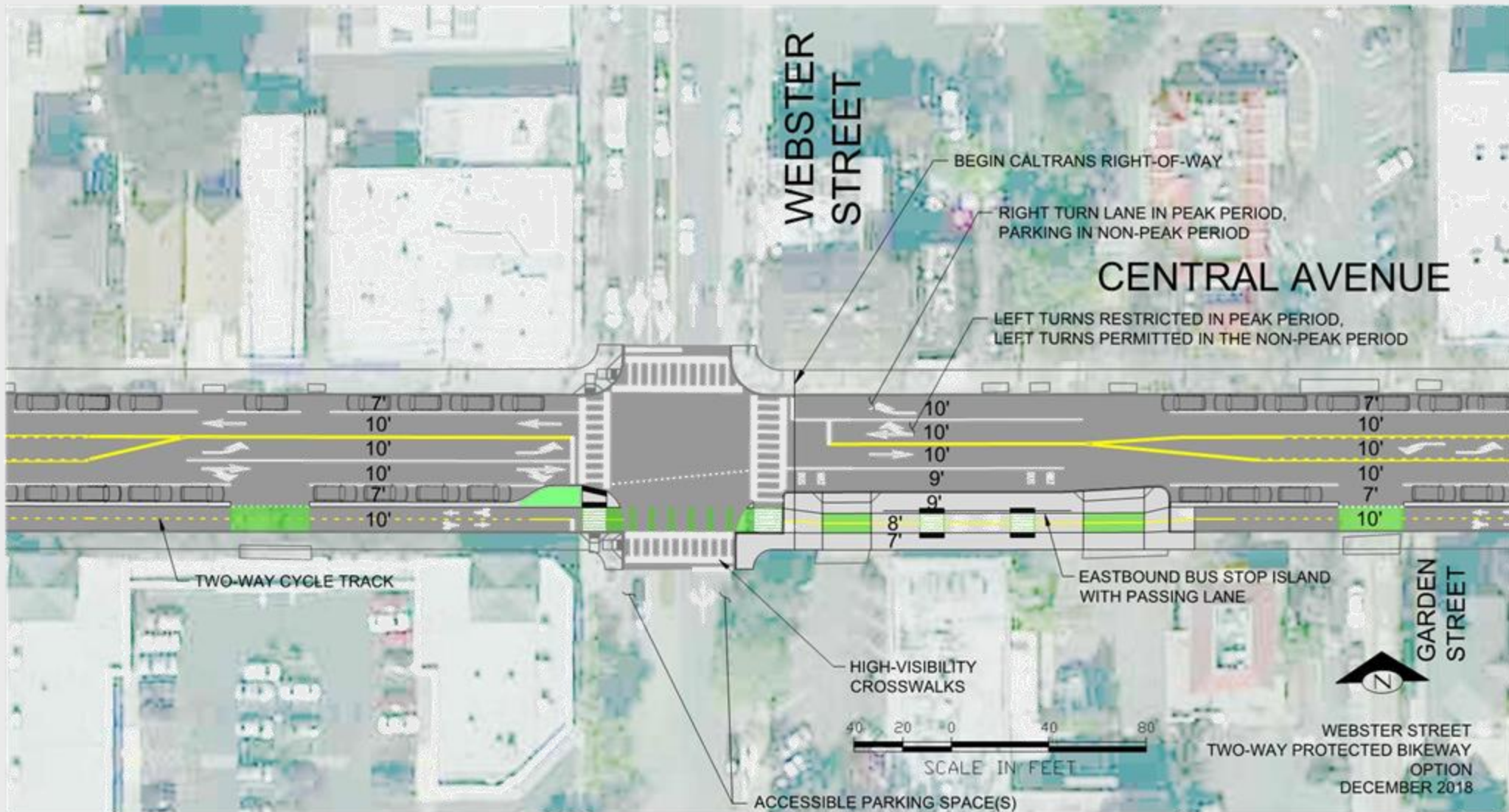




# Eighth Street (Bike Lane Option)



# Webster Street (Two-Way Protected Bikeway Option)





# Eighth Street (Two-Way Protected Bikeway Option)

