

3rd & Norfolk Intersection Safety Improvements Project

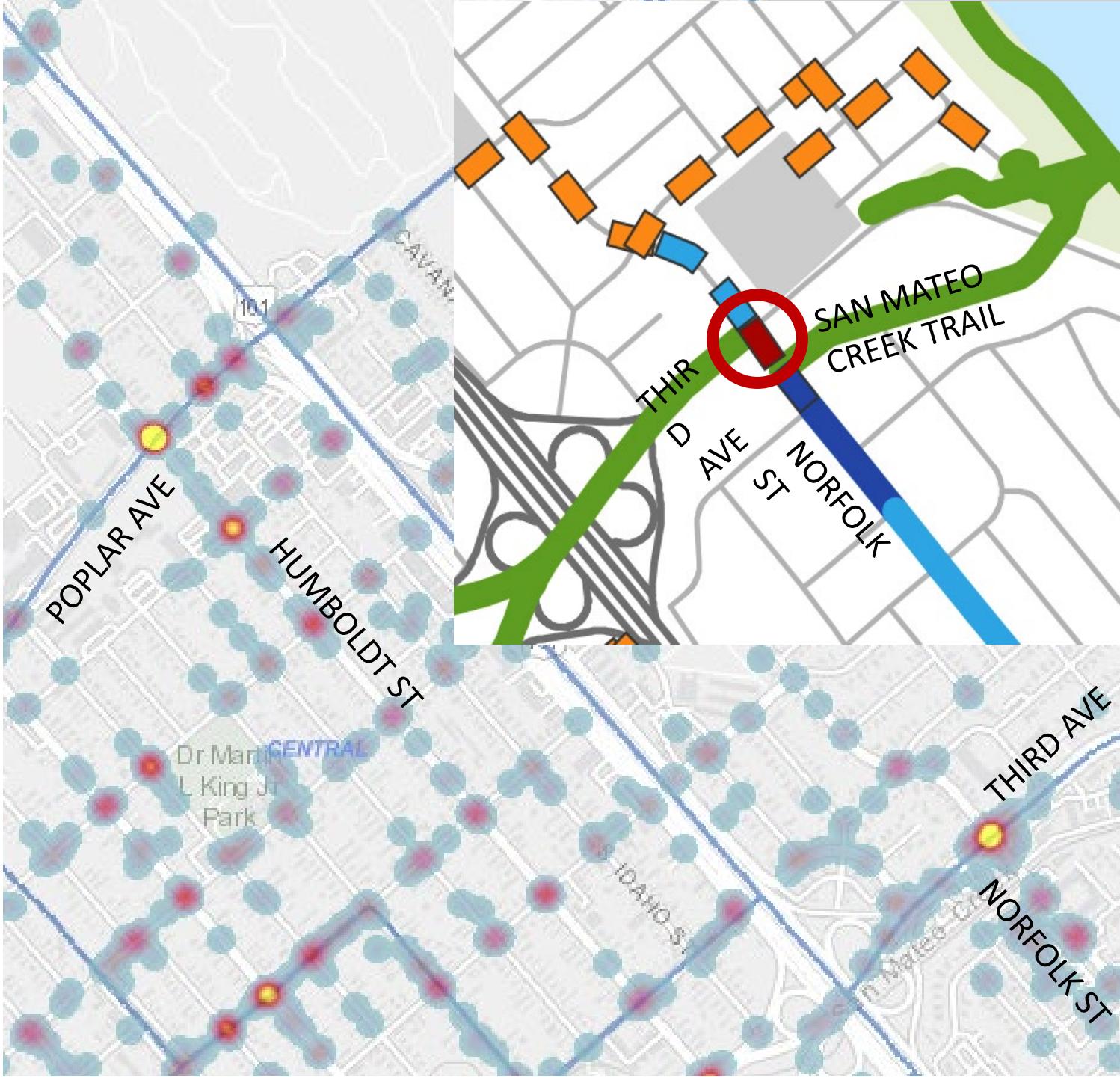


Agenda

- Introduction
- Project Development
 - Community Outreach – Phase 1
 - Design Assessment Process
 - Analysis
 - Community Outreach – Phase 2

Project Goals

- Address high collision locations
- Improve pedestrian and bicyclist safety at the intersection
- Improve bicycle connectivity
- Use CDBG funds in a qualified areas
- Optimize vehicle operations



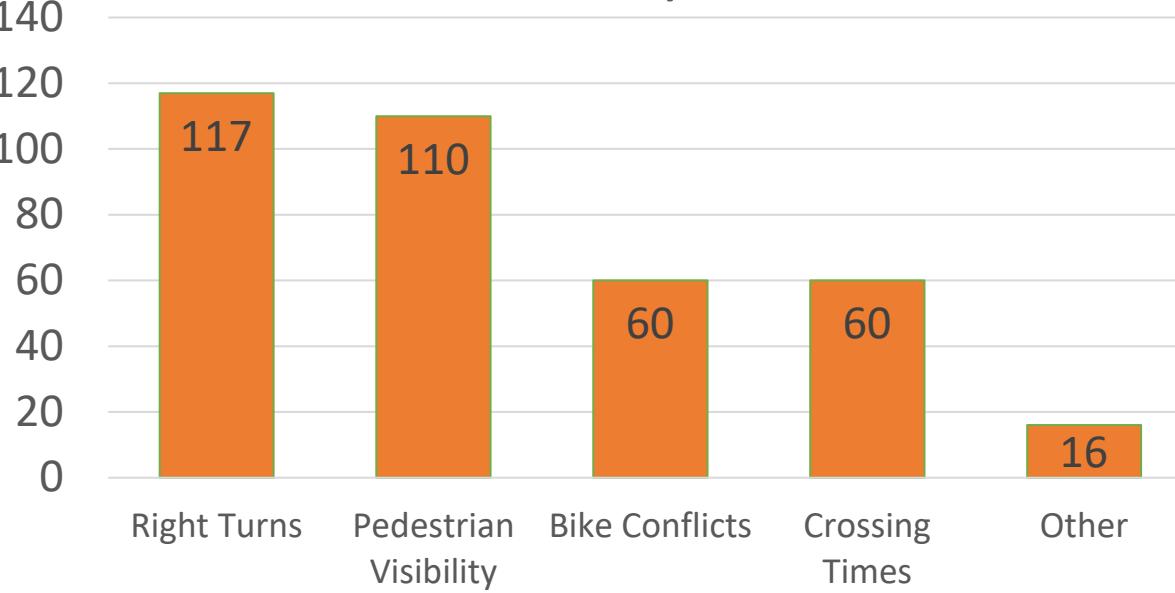
Community Outreach – Phase 1 (Sept. 2023)

- Goal: Receive feedback from the community about their top concerns
- English and Spanish separate mailed postage-paid paper surveys to ~650 residents (1000' radius)
- Online survey (same questions as paper survey) noticed via:
 - Flyers to neighborhood schools
 - Notification to bike advocacy groups
 - Sidewalk sticker QR code
 - Posters at intersection and intersection approaches
 - City e-newsletter and NextDoor
- 171 total responses received
 - Project website had 671 unique visits

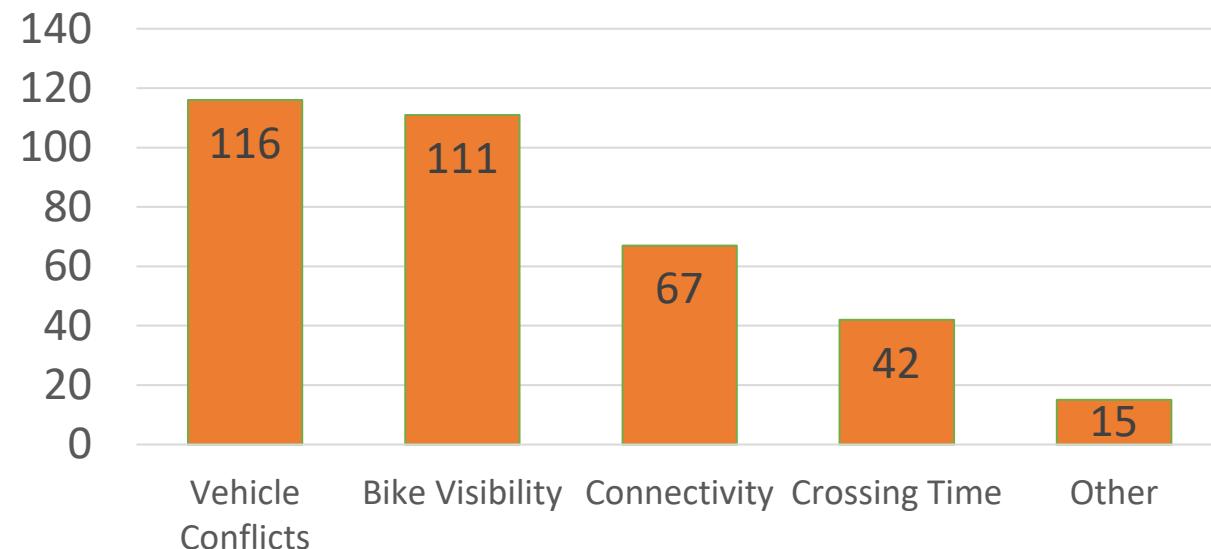


September 2023 Community Survey Results

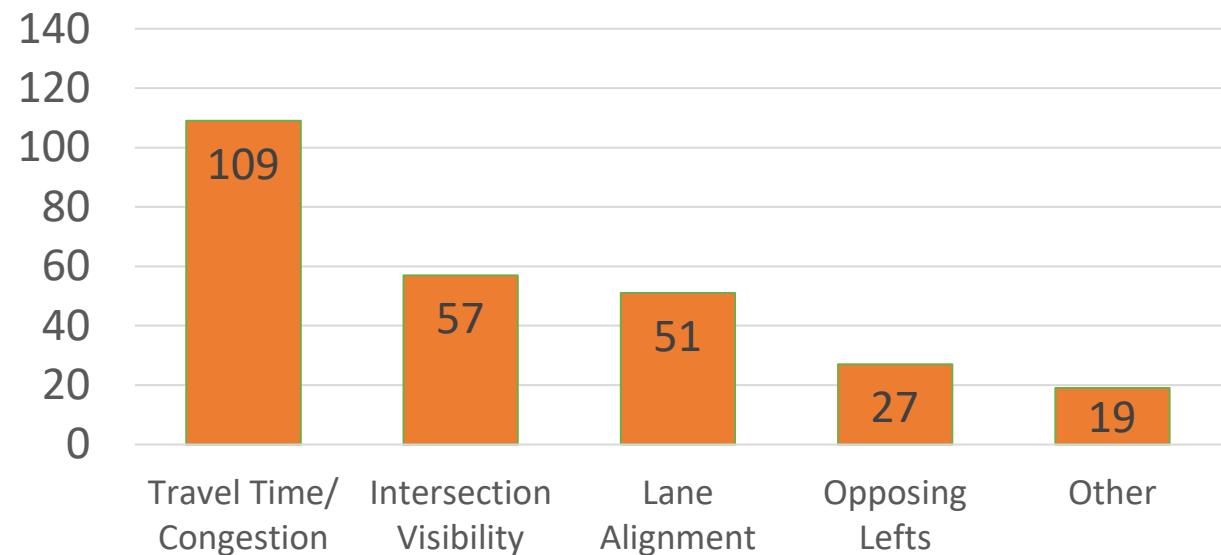
Pedestrian Safety Concerns



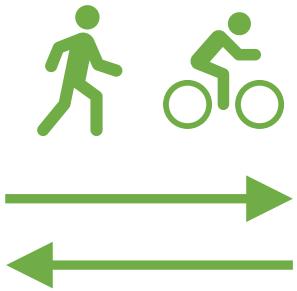
Bike Safety Concerns



Vehicle Safety Concerns



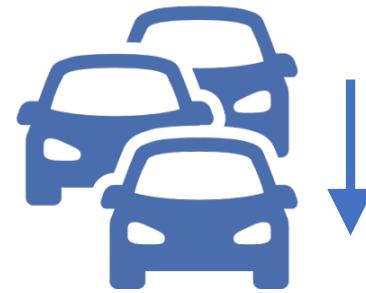
Design Assessment Process



Improve bike
and ped access



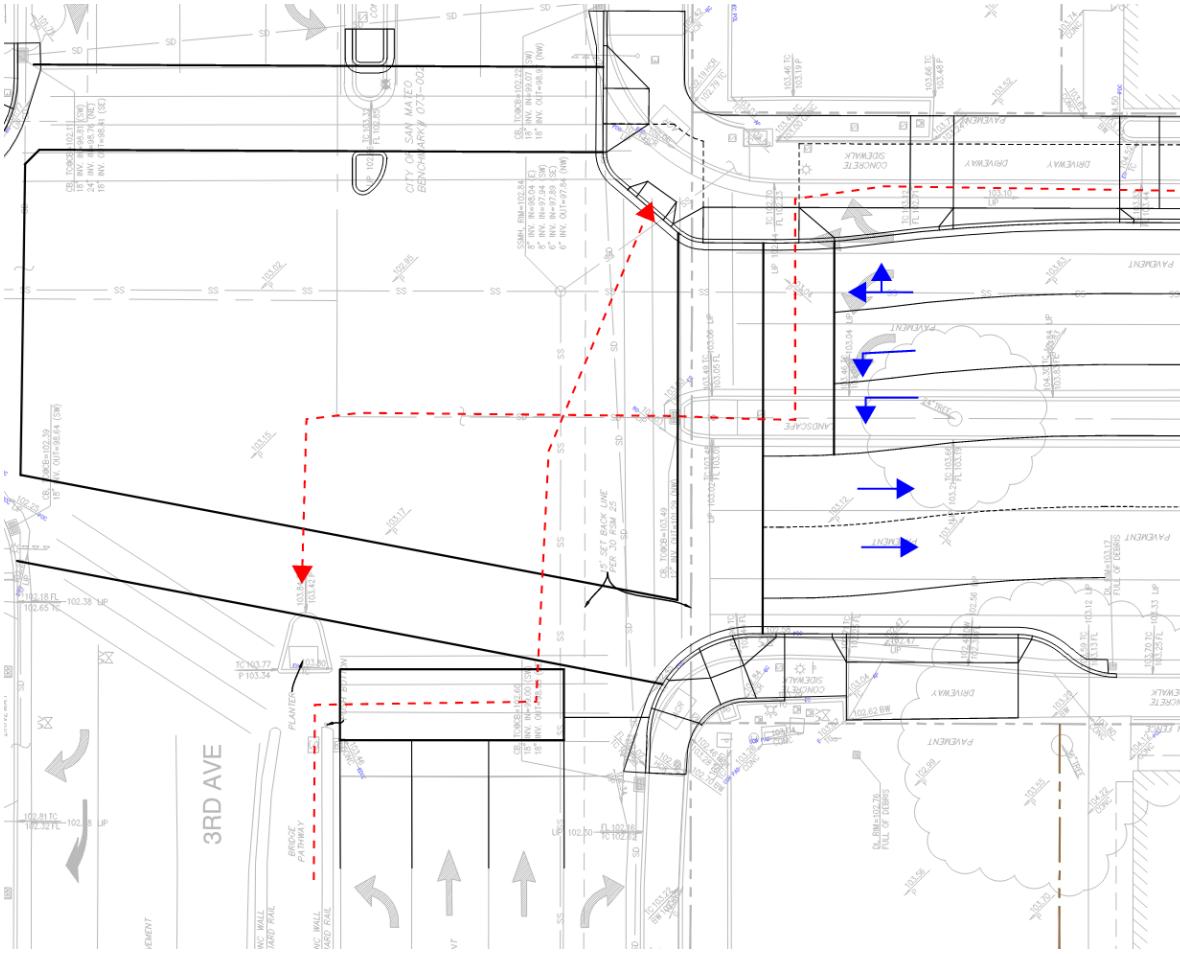
Improve bike and
ped visibility /
Reduce right-turn
conflicts



Reduce vehicle
travel times and
congestion

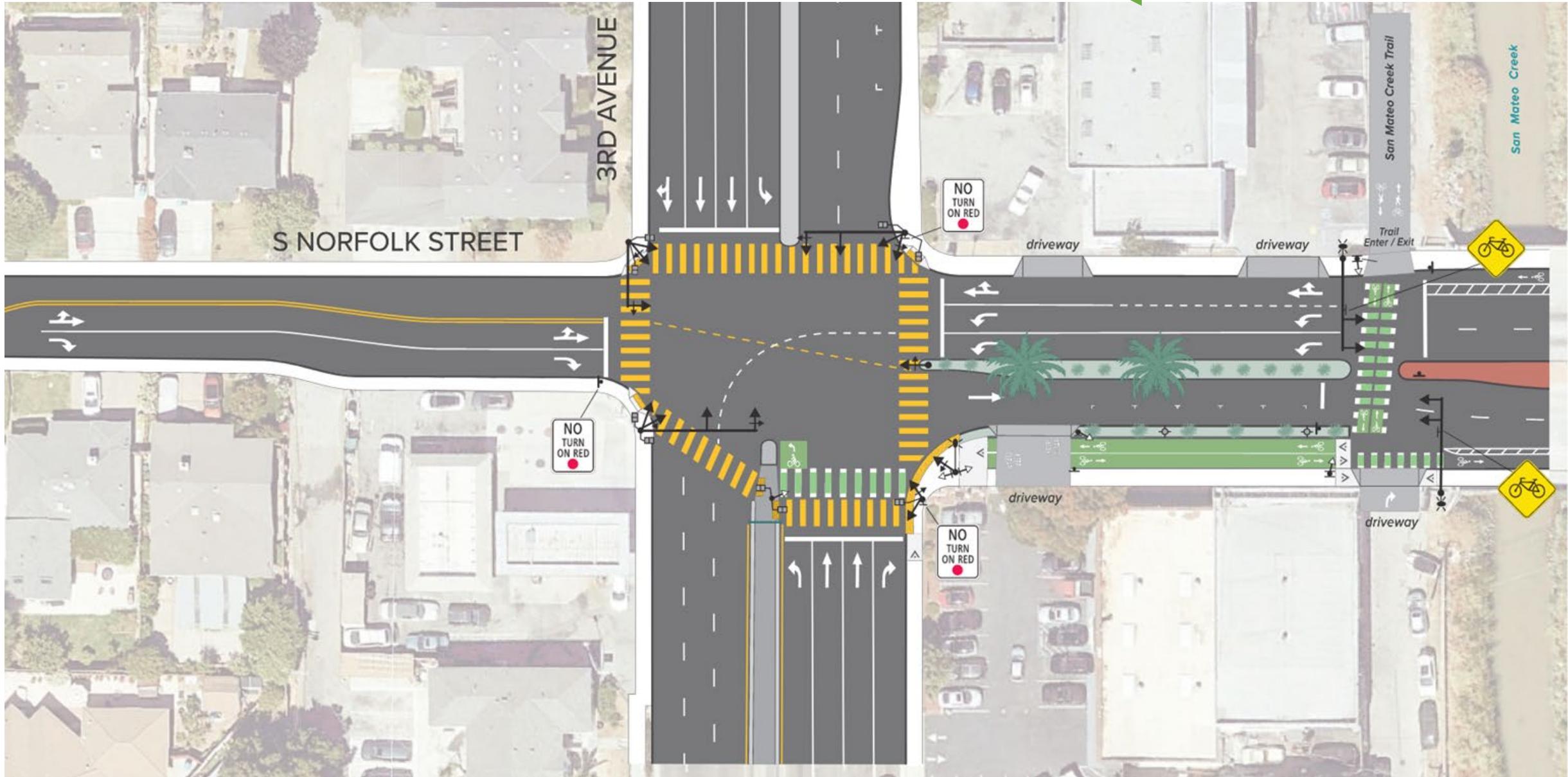


Preliminary Alternatives Evaluated



- **Intersection Geometry**
 - Bicycle facility on donut shop side
 - Norfolk median removal
 - Bicycle facility in place of Norfolk median
- **Lane Configuration/Operation**
 - SB thru/right + protected left
 - Protected, concurrent lefts from Norfolk
 - 2 stage bicycle crossing
 - Bike & ped scramble

Preferred Alternative Layout



Operational Analysis



Takeaways:

- Substantially improve bike/ped safety and connectivity
- Reduce AM delay by 5%
- Reduce PM delay by 12%

	Existing	Option 1	Option 2
NB/SB Split Phase	✓	✓	✓
EB No Right on Red (NROR)		✓	✓
Signalized Bikes at Creek		✓	✓
West X-walk Two-Stage and SB NROR		✓	
Twice per Cycle EB Lefts		✓	
West X-walk Continuous and Permissive SBR	✓		✓
LPI			✓
AM Delay (seconds / LOS)	63.3 E	57.6 E	58.0 E
PM Delay (seconds / LOS)	59.6 E	43.9 D	47.1 D

Community Outreach – Phase 2 (Oct. 2024)

- Goal: Inform the community and receive feedback on proposed design
- Recorded video presentation and animation discussing project details
 - (Spanish auto-translation available)
- Mailed flyer with project update, intersection design, and link to video
 - Mailed to ~1900 residents (1/2 mile radius east of US-101)
- Additional notification:
 - Flyers to neighborhood schools
 - Notification to bike advocacy groups
 - Sidewalk sticker QR code
 - Posters at intersection and intersection approaches
 - NextDoor posting
 - ADA community
 - Residents and businesses directly impacted by project
- 1,200 Unique website visits and 269 YouTube views (as of today)

