



North Central Bike Lanes Project – Update

February 22, 2022

Sue-Ellen Atkinson
Principal Transportation Planner

Overview

- Project Description and Background
- Project Objectives
- Outreach and Community Survey Findings
- Parking Data Collection and Analysis
- Parking Supply Options
- Commission Feedback and Staff Recommendation



PROJECT DESCRIPTION AND BACKGROUND



Project Description and Background



- Funded through Community Development Block Grant (CDBG)
- Project Extents
 - Humboldt St. (#2 High-Priority Project)
 - Peninsula Ave. to 5th Ave.
 - Class II Bike Lanes
 - Poplar Ave/Indian Ave. (#4 High-Priority Project)
 - San Mateo Drive to Humboldt St.
 - Class II Bike Lanes and Bicycle Boulevard
- Scope includes pavement rehab, curb ramps, traffic signal video detection, and bike improvements

Project Description and Background

Current Project Status

- Construction agreement awarded October 2021
- Pavement and concrete work completed for new curb ramps
- City Council direction
 - Expanded community engagement
 - Additional parking data collection
 - Parking supply options





PROJECT OBJECTIVES



Project Objectives

General Plan 2030

- Circulation Goal 4: “Maintain a comprehensive bicycle and pedestrian circulation network which provides safe recreation opportunities and an alternative to automobile travel.”
- Policy C4.1: “Implement the Bicycle Master Plan’s recommended programs and projects to create and maintain a fully-connected safe and logical bikeways system...”

Climate Action Plan

- Specific GHG targets for 2030 and 2050. On-road transportation is the top cause of emissions.
- Recommended Action “Secure funding for design and construction of the infrastructure improvements identified in the updated Bicycle Master Plan...”

Project Objectives

Bicycle Master Plan



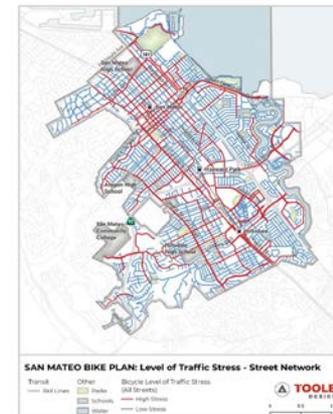
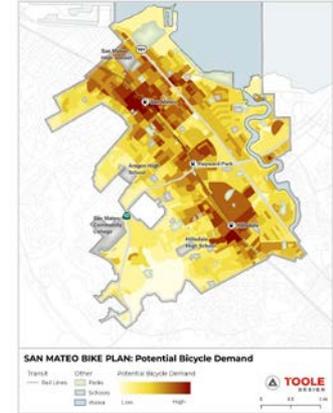
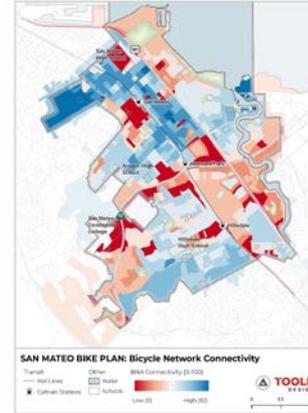
Citizen Advisory Group

Sustainability and Infrastructure Commission

Technical Advisory Group

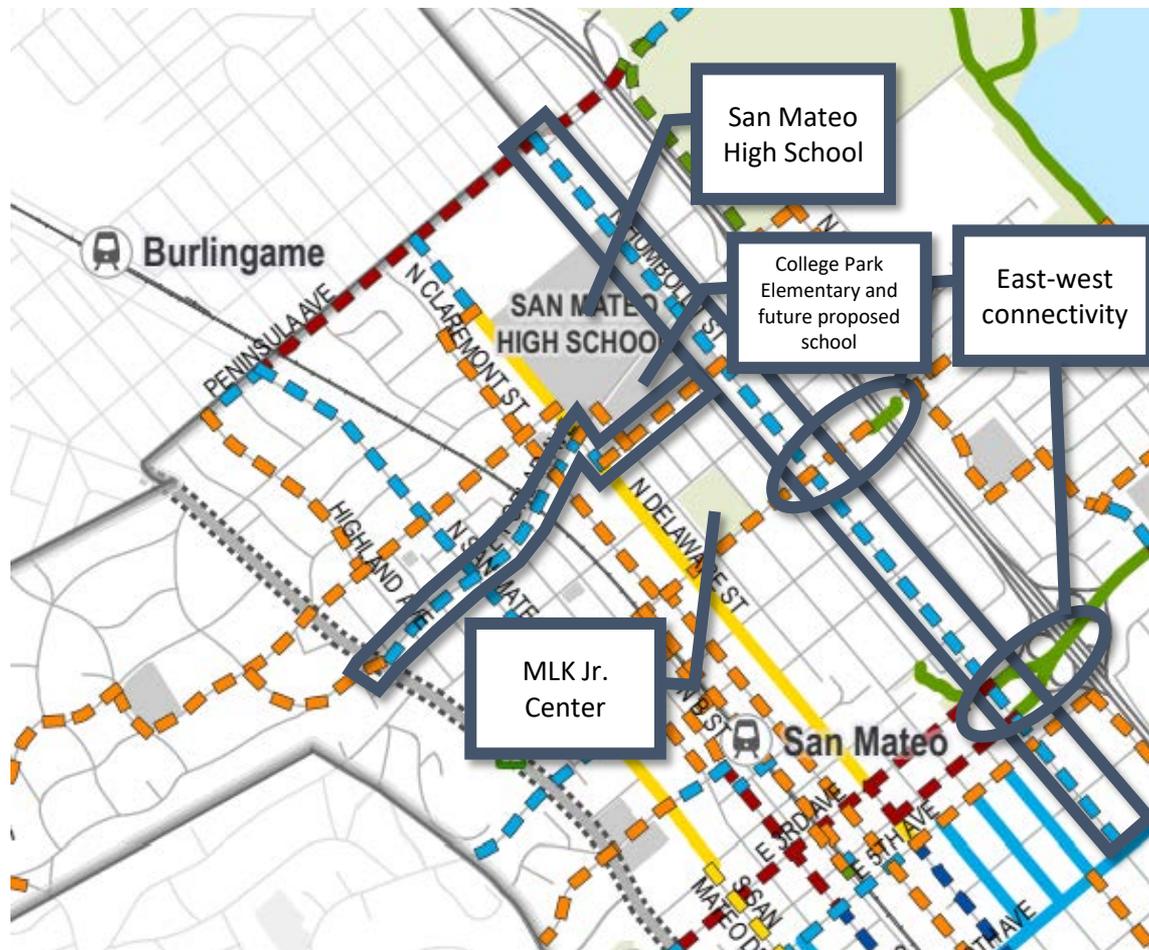


Community Input



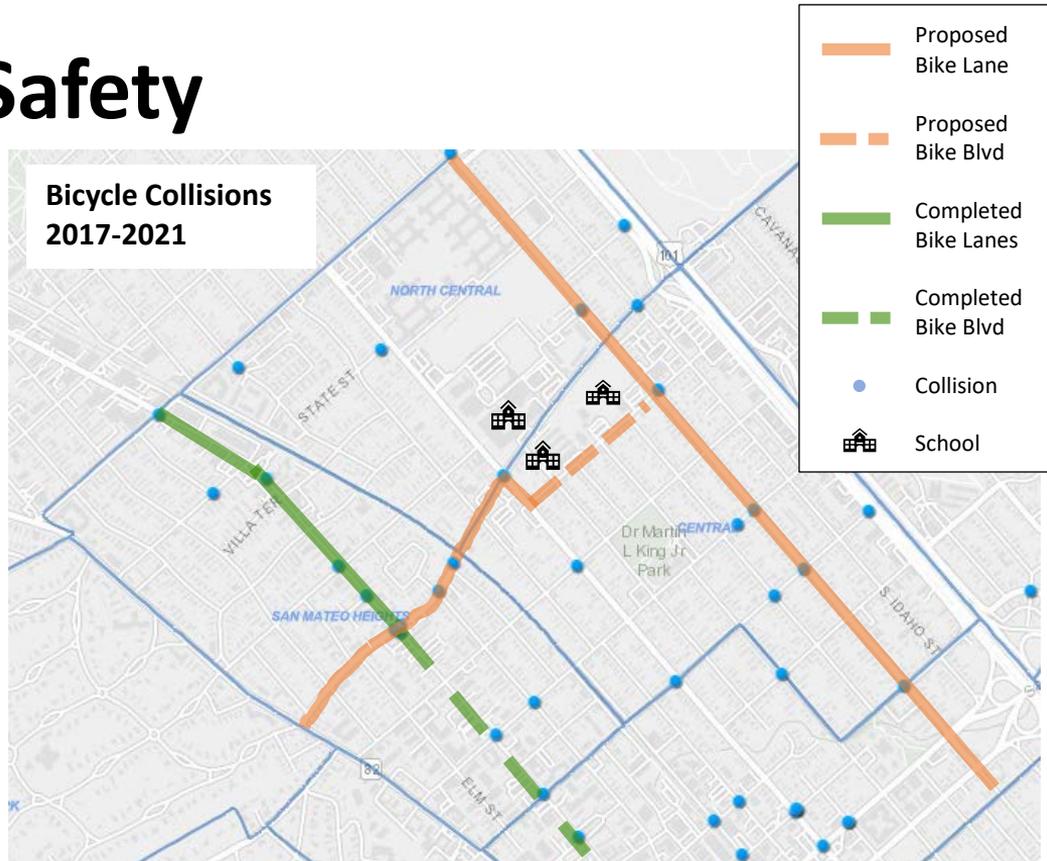
Data Analysis

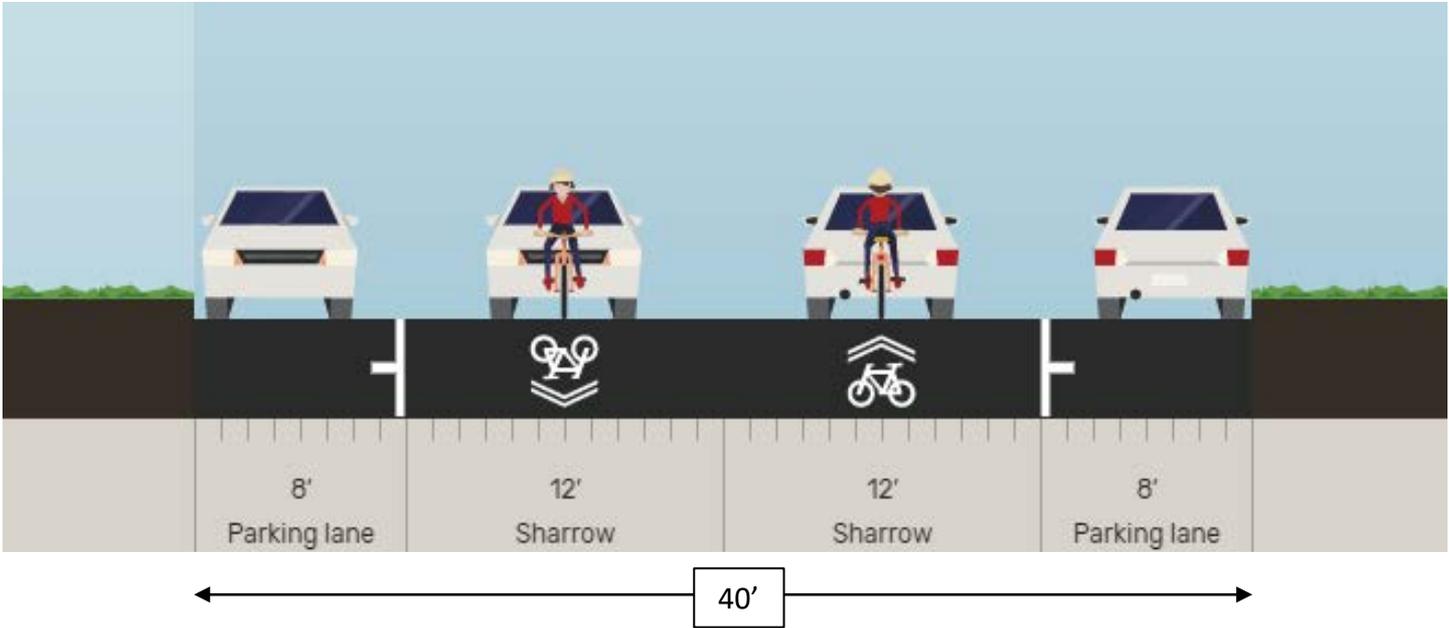
Connectivity to Existing and Proposed



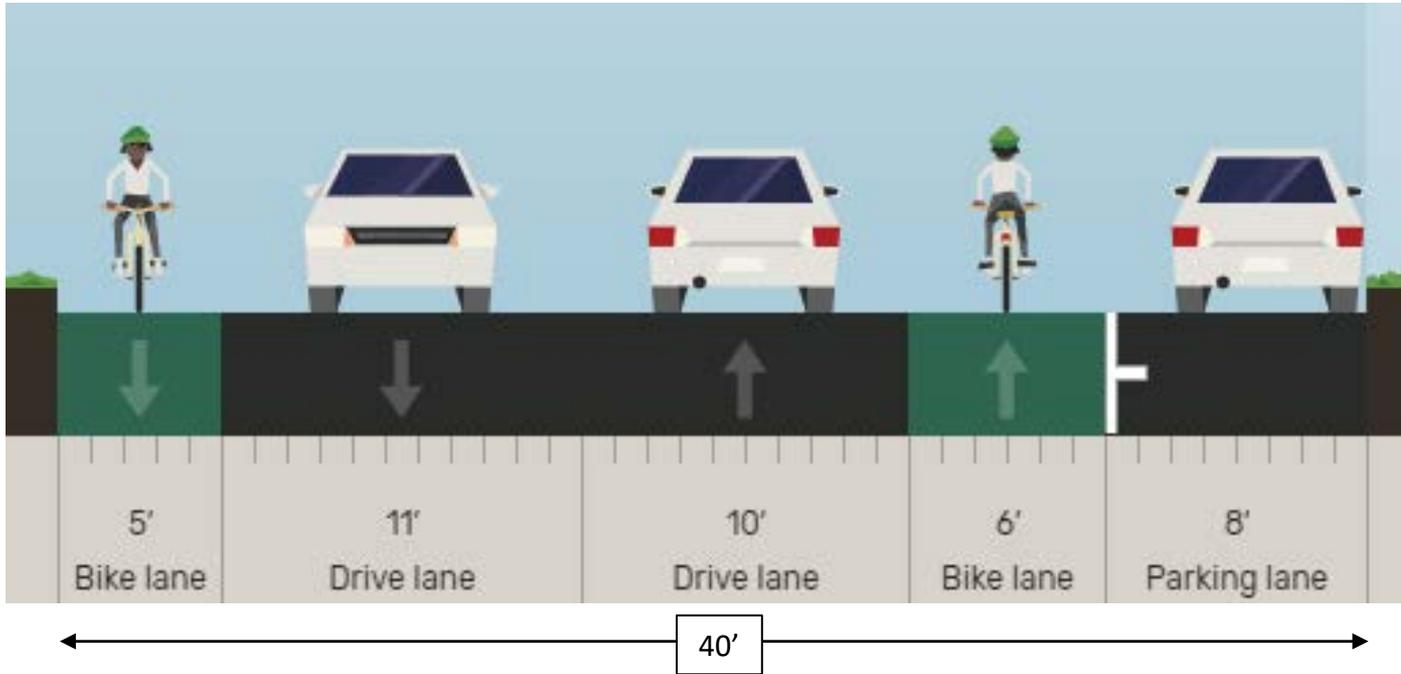
Improving Bicycle Safety

- Poplar and Humboldt have a high number of bicycle collisions in the past
- 11 bicycle-involved collisions on project corridors
- 30 bicycle-involved collisions in neighborhood
- Reduce risk and severity of future incidents



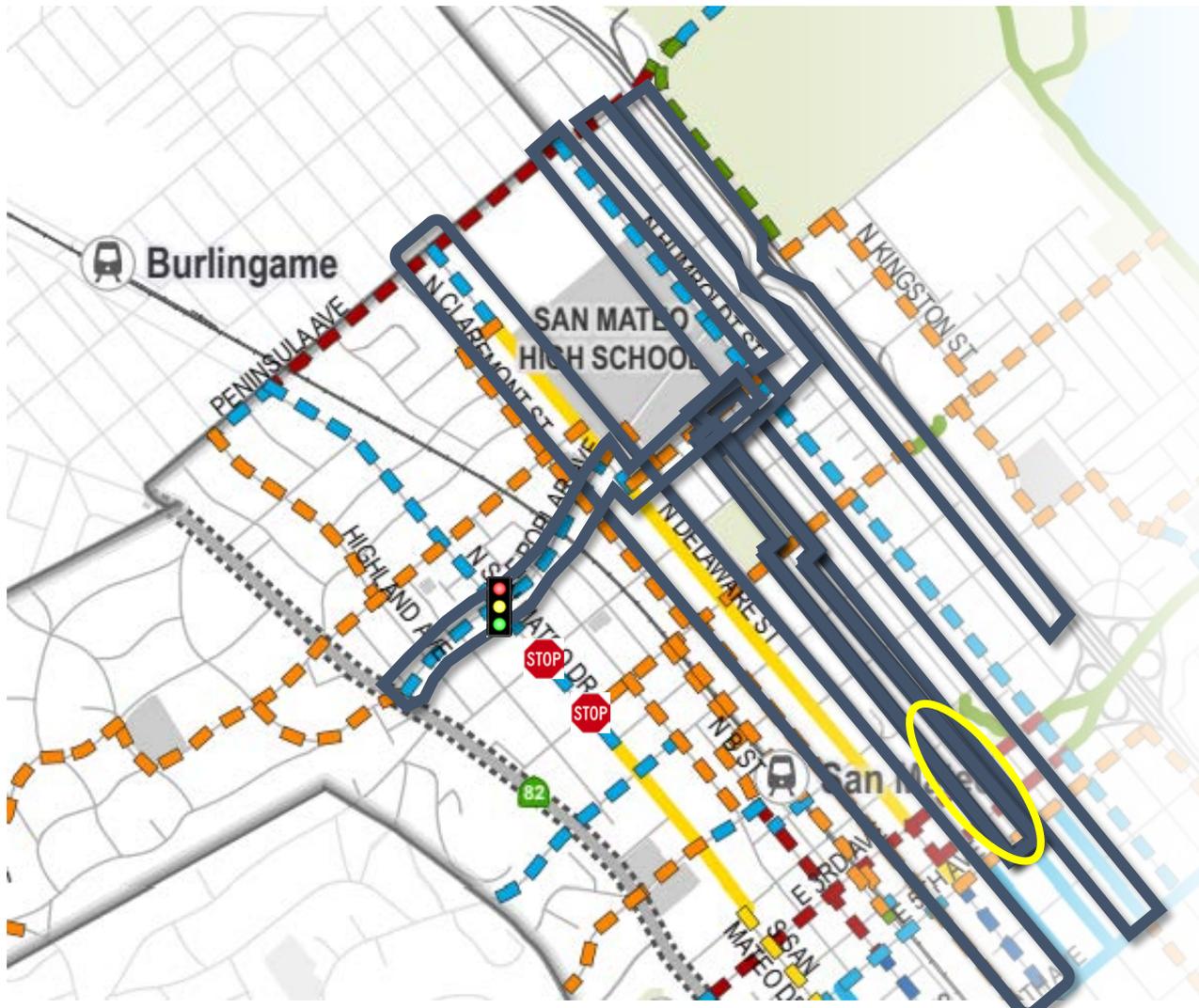


Existing Roadway



Proposed Roadway

Consideration of Alternate Roadways





OUTREACH AND SURVEY FEEDBACK



COMMUNITY ENGAGEMENT

Have Your Say! ¡Opina! 说出你的想法

The North Central Bike Lanes project seeks to improve bicycle and pedestrian safety in your neighborhood, but will result in the loss of 214 parking spaces. Do you support adding the bike lanes if that means losing 214 parking spaces or the removal of the parking? Does this project agree with your vision for how and into the future?

Two ways to provide your opinion:

- 1) ONLINE POLL: Scan the QR Code or enter the URL to take the poll in English or Spanish.
- 2) INPERSON: Visit the Martin Luther King Jr. Center to complete the poll in English, Spanish or Mandarin Chinese. No identification required. (See below for address and hours.)

El proyecto de carriles para bicicletas en North Central busca mejorar la seguridad de los ciclistas y de los peatones en el vecindario, pero habrá 214 espacios de estacionamiento menos. ¿Usted estaría de acuerdo con la adición de los carriles para bicicletas si se pudieran añadir opciones de estacionamiento? ¿Este proyecto representa su visión del vecindario North Central y del futuro?

Doa formas de opinar:

- 1) ENCUESTA EN LINEA: Escanee este código QR e ingrese la dirección URL para responder la encuesta en inglés o español.
- 2) EN PERSONA: Visite el Centro Martin Luther King Jr. para realizar la encuesta en inglés, español o chino. No necesita identificación. (Consulte las horas al menos de esta página.)

North Central Bike Lanes 專案旨在改善北區單車及行人安全，但將導致損失 214 個停車位。您是否支持增加單車徑，即使這意味著減少 214 個停車位？此專案是否符合您對北區及未來的構思？

你有兩種提供意見的方式：

1. 網上投票：掃描 QR 碼或輸入 URL，參加多語言的網上投票。
2. 親臨現場：親臨 Martin Luther King Jr. Center 完成投票，可選擇英語、西班牙語或國語。

Poll Closes: Jan. 7, 2022 Encuesta cierra el Enero 7, 2022 投票于 2022 年 1 月 7 日結束



www.cityofsanmateo.org/NCBikeLanes

Have Your Say! ¡Opina! 说出你的想法

How to take the poll:
 Need internet and a computer. You can use the North Central Bike Lane Identification map.
 Need internet and a computer. You can use the North Central Bike Lane Identification map.
 • Available: Mon. 9:00 AM - 6:00 PM
 • Available: Tue. 9:00 AM - 6:00 PM
 • Available: Wed. 9:00 AM - 6:00 PM
 • Available: Thu. 9:00 AM - 6:00 PM
 • Available: Fri. 9:00 AM - 6:00 PM
 • Available: Sat. 9:00 AM - 6:00 PM
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North Central Bike Lanes Project

The North Central Bike Lanes project is one of the top priority projects of the City of San Mateo's 2020 Bicycle Master Plan and focuses on improving safety for bicyclists and pedestrians in the neighborhood.

If approved by City Council, the North Central Bike Lanes project would require the removal of 214 parking spaces to make room for bike lanes along East Poplar Avenue, North Delaware Street and Humboldt Street, and bicycle boulevards on Indian Avenue and Eldorado Street.

- Following is the list of proposed parking removal:
- South side of Poplar Avenue from El Camino Real to Delaware Street 43 spaces (approximate)
 - East side of Delaware Street between Poplar Avenue and Indian Avenue 1 space (approximate)
 - West side of Humboldt Street from Peninsula Avenue to 5th Avenue 170 spaces (approximate)

Neighborhood feedback will guide City staff recommendations to the Sustainability and Infrastructure Commission on Feb. 9, 2022 and City Council on Feb. 22, 2022.

We welcome all to provide their feedback on the parking options, and on the North Central Bike Lanes project, in the Community Poll. The poll closes on Jan. 7, 2022.

Take the poll online

Point your smartphone camera app at the QR code, or enter the URL here to take the community poll online in English or Spanish.

www.cityofsanmateo.org/NCBikeLanes

Take the poll in person

Staff can provide you with a printed version of the online poll in English, Spanish or Mandarin Chinese - just ask.

No identification or registration required.



Have Your Say! ¡Opina! 说出你的想法

The North Central Bike Lanes project seeks to improve bicycle and pedestrian safety in your neighborhood, but will result in the loss of 214 parking spaces in the neighborhood. Do you support adding the bike lanes if parking options could make up for the removal of the parking? Does this project align with your vision for the North Central neighborhood now and into the future?

El proyecto de carriles para bicicletas en North Central busca mejorar la seguridad de los ciclistas y de los peatones, pero habrá 214 espacios de estacionamiento menos. ¿Usted estaría de acuerdo con la adición de los carriles para bicicletas si se pudieran añadir opciones de estacionamiento? ¿Este proyecto representa su visión del vecindario North Central?

Proposed Parking Options

We heard from North Central residents that there are on-going parking challenges and that losing parking spaces for the bicycle lanes would make conditions worse. Staff has developed parking options that could be implemented in the North Central neighborhood. Please consider the parking options below and respond in our Community Poll.

Opciones propuestas de estacionamiento

Los residentes de North Central han mencionado que ya existen complicaciones relacionadas con el estacionamiento y que eliminar espacios de estacionamiento para los carriles para bicicletas empeoraría aún más la situación. El personal ha desarrollado opciones de estacionamiento que se podrían implementar en el vecindario North Central. Por favor, evalúa las opciones de estacionamiento a continuación y responde a la comunidad.

Extended Red Curbs

Have red curbs extended on both sides of North Central, allowing for more space from existing on-street parking into the new bike lanes.

Driveway Parking

Allow for more driveway parking spaces in the North Central area. This would allow for more space for existing on-street parking.

Staff is also proposing options that would require further input from the neighborhood and would take time and additional resources to implement. Please also consider the parking options below and respond in our Community Poll.

Parking Lot Sharing

Share parking spaces between existing and new bike lanes. This would allow for more space for existing on-street parking.

North Central Residential Parking Program

Implement a residential parking program in the North Central area. This would allow for more space for existing on-street parking.

Benditos rojos extendidos

Extender los bordes rojos en ambos lados de North Central, permitiendo más espacio de estacionamiento existente en la calle para las nuevas ciclovías.

Estacionamiento sobre la calzada

Permitir más espacios de estacionamiento en las aceras de North Central. Esto permitiría más espacio para el estacionamiento existente en la calle.

El personal también está proponiendo opciones que requieren más comentarios del vecindario y que necesitarían tiempo y recursos adicionales para implementarse. Por favor, evalúa las opciones de estacionamiento a continuación y responde a la comunidad.

Estacionamiento compartido

Compartir espacios de estacionamiento entre las ciclovías existentes y las nuevas. Esto permitiría más espacio para el estacionamiento existente en la calle.

Programa de permiso de estacionamiento residencial en North Central

Implementar un programa de estacionamiento residencial en el área de North Central. Esto permitiría más espacio para el estacionamiento existente en la calle.

Proyecto de carriles para bicicletas en North Central

El proyecto de carriles para bicicletas en North Central busca mejorar la seguridad de los ciclistas y de los peatones en el vecindario, pero habrá 214 espacios de estacionamiento menos. ¿Usted estaría de acuerdo con la adición de los carriles para bicicletas si se pudieran añadir opciones de estacionamiento? ¿Este proyecto representa su visión del vecindario North Central?

- Lado sur de Poplar Avenue, desde El Camino Real hasta Delaware Street, 43 espacios (aproximadamente).
- Lado este de Delaware Street, entre Poplar Avenue e Indian Avenue, 1 espacio (aproximadamente).
- Lado oeste de Humboldt Street, desde Peninsula Avenue hasta 5th Avenue, 170 espacios (aproximadamente).

Responda la encuesta en línea

Apunte la aplicación de la cámara de video inteligente al código QR o ingrese la dirección URL aquí para responder la encuesta de la comunidad en línea, en inglés o español.

www.cityofsanmateo.org/NCBikeLanes

Responda la encuesta en persona

El personal puede proporcionarle una versión impresa de la encuesta en línea en inglés, español o chino mandarín. Solo debe solicitarla. No se necesita identificación ni inscripción.

North Central Bike Lanes 專案

North Central Bike Lanes 專案是北區 2020 年 Bicycle Master Plan (自行車總綱) 的首要專案之一，重點改善北區騎車者及行人的安全。

如果獲得市議會批准，North Central Bike Lanes 專案將需要拆除 214 個停車位，為 East Poplar Avenue, North Delaware Street 和 Humboldt Street 沿線的自行車道和 Indian Avenue 以及 Eldorado Street 上的自行車道騰出空間。

- 下列是擬議的停車位減少：
- El Camino Real 與 Delaware Street 之間 Poplar Avenue 南側 (大約) 43 個停車位
 - Poplar Avenue 與 Indian Avenue 之間 Delaware Street 東側 (大約) 1 個停車位
 - Peninsula Avenue 與 5th Avenue 之間 Humboldt Street 西側 (大約) 170 個停車位

社區回饋將指導市工作人員在 2022 年 2 月 9 日和 2022 年 2 月 22 日分別向 Sustainability and Infrastructure Commission (可持續發展和基礎設施委員會) 和市議會提出建議。

我們歡迎大家在社區意見調查中提供對停車位減少以及 North Central Bike Lanes 專案的意見。投票將於 2022 年 1 月 7 日結束。

線上參加民意測驗

將智慧型手機照相機應用程式對準二維碼，或者在此處輸入 URL 線上參加英語或西班牙語民意測驗。

www.cityofsanmateo.org/NCBikeLanes

親臨現場參加民意測驗

工作人員可以為你提供英文、西班牙文或中文溝通版線上民意測驗的列印版本 - 只需詢問即可。

無需確認身份或註冊。



COMMUNITY ENGAGEMENT



Key Findings

285 responses to online and written poll

- 52% North Central residents
- 22% adjacent neighborhoods
- 14% San Mateo residents
- 13% outside of San Mateo

Nearly $\frac{1}{4}$ of respondents live on Humboldt Street

Half of respondents ride a bicycle as their primary mode of transportation or recreationally

Key Findings

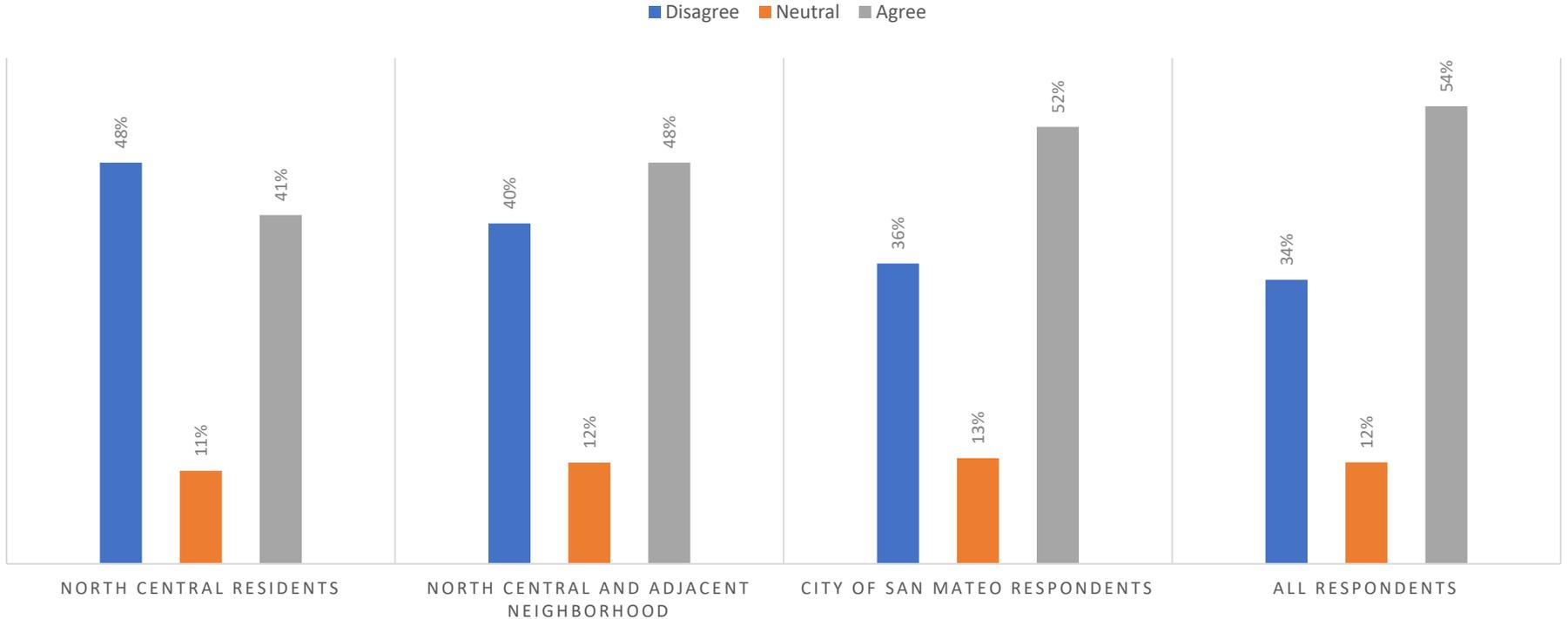
Support the Project and the parking removal

■ Disagree ■ Agree



Key Findings

Support the Project if additional parking options are implemented



Key Findings

- North Central residents who do not ride bikes disagree with the project (82%, 37 respondents)
- North Central residents who ride a bike as their primary transportation mode or for recreation agree with the project (57%, 33 respondents)
- North Central residents with household members ages 25-64 who bike/scoot/walk regularly are split on project support
- Long-term North Central residents do not support project implementation (90%, 45 respondents)
- Residents newer to the neighborhood tended to support the project (62%, 23 respondents)



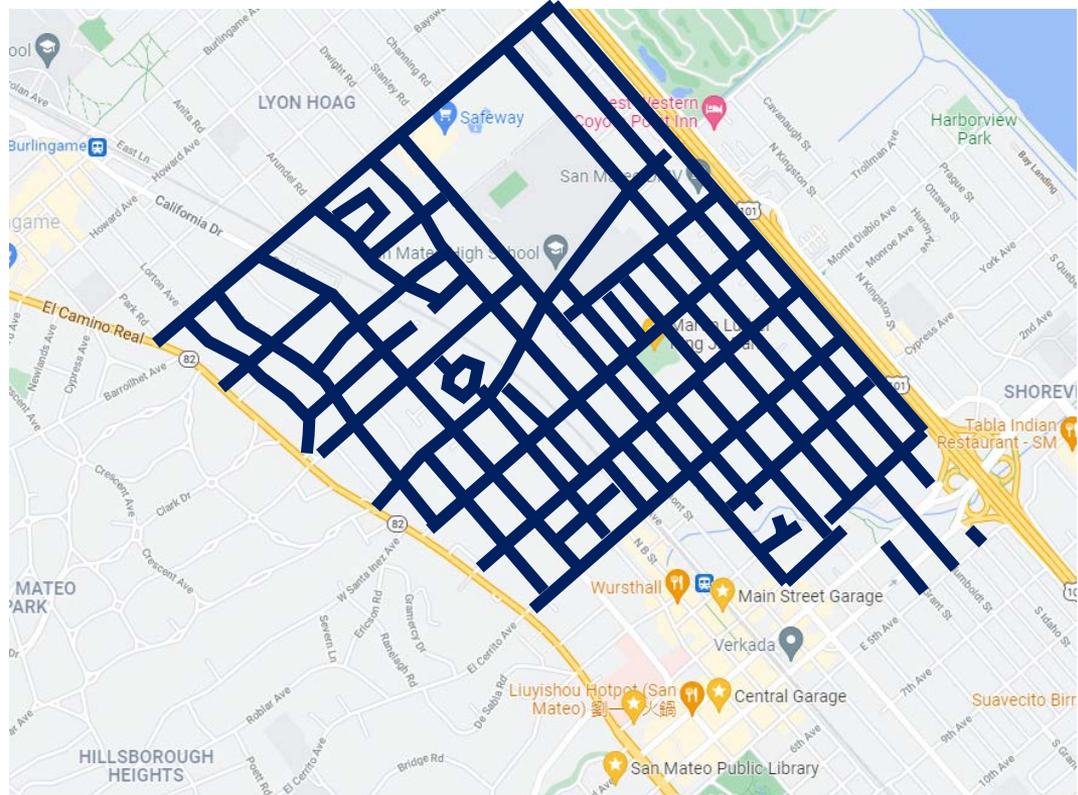
PARKING DATA COLLECTION AND ANALYSIS



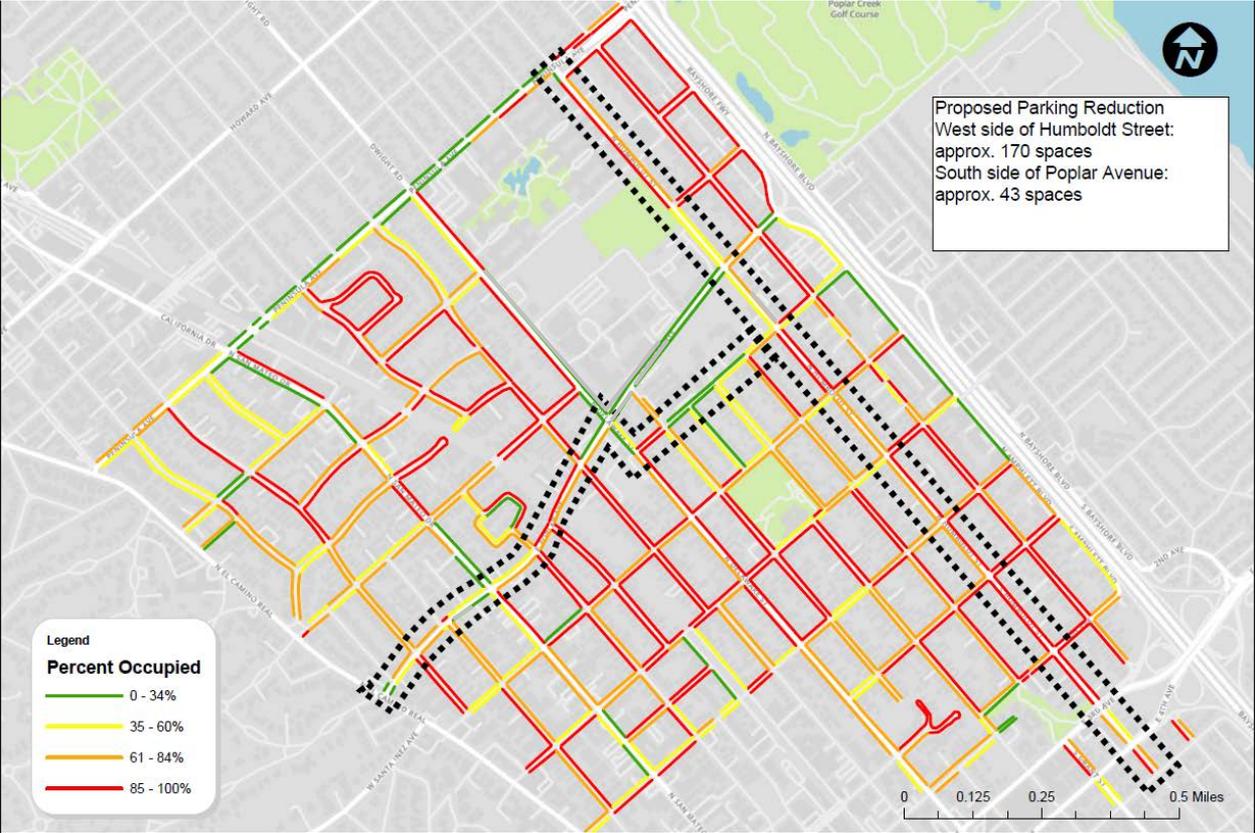
Parking Data Collection

Methodology

- Larger geographic scope
- Expanded hours
 - Two weekdays
 - Two Saturdays
 - 7a-7p
 - Peak midnight
- Parking Supply
 - Calculation based on legal 22' length parking spaces
 - Not determined by number of vehicles parked



Overnight Peak Parking



Parking Data Key Findings

- Peak midnight parking demand averages 73%
- Poplar Avenue peak occupancy 55-60%
- Humboldt Street peak occupancy 80%
- Peak overnight occupancy on Poplar Avenue (33 vehicles) able to be accommodated within 1 block (~600 feet) based on current availability
- Peak overnight occupancy on Humboldt Street (149 vehicles) able to be accommodated within two blocks (~600 feet) of project corridor

Proposed Parking Reduction

**Existing Conditions – Poplar Ave.
Peak Occupancy**

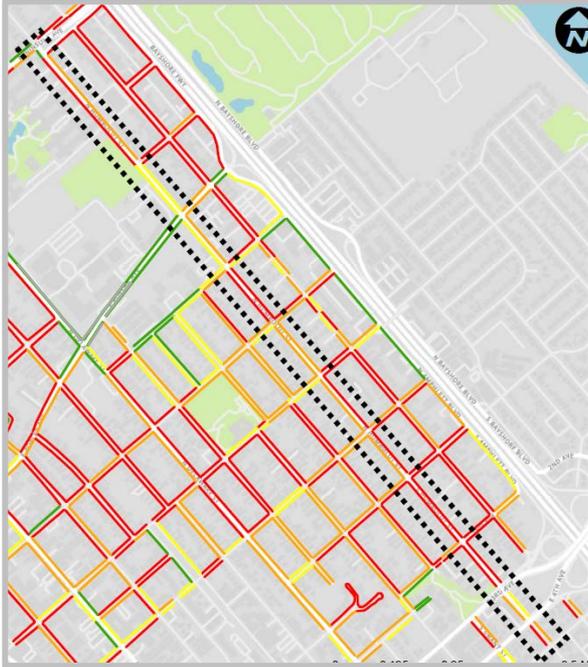


**Proposed Parking Reduction –
Peak Occupancy**

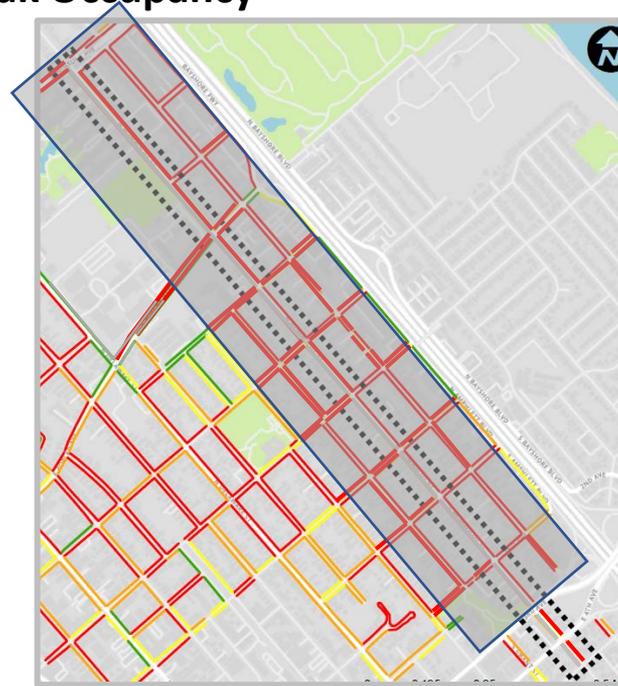


Proposed Parking Reduction

**Existing Conditions – Humboldt St.
Peak Occupancy**



**Proposed Parking Reduction –
Peak Occupancy**





PARKING SUPPLY OPTIONS



Parking Supply Options



Driveway/Corner Red Curb

- Red curb marking at driveways and corner curb ramps to deter illegal parking and enhance access



Driveway Apron Parking

- Allow residents to block their own driveway and park parallel to curb



Shared Parking Lots

- Leverage existing parking available in the neighborhood for peak overnight use

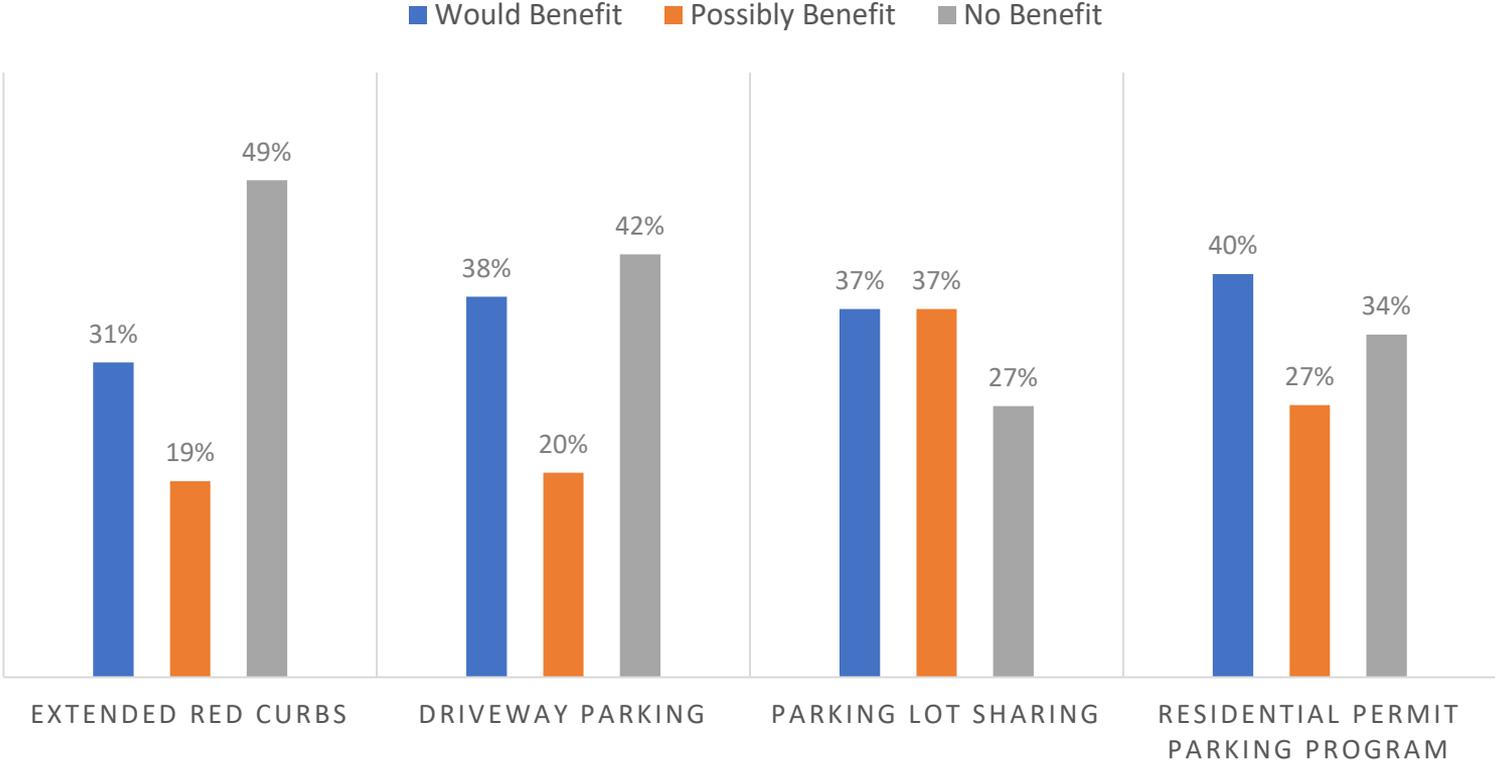


Residential Parking Permit Program

- Issue permits to residents to prioritize on-street parking during the daytime and/or overnight for resident use

Parking Supply Options

Survey Findings – North Central respondents





ADDITIONAL PROGRAM OPTIONS





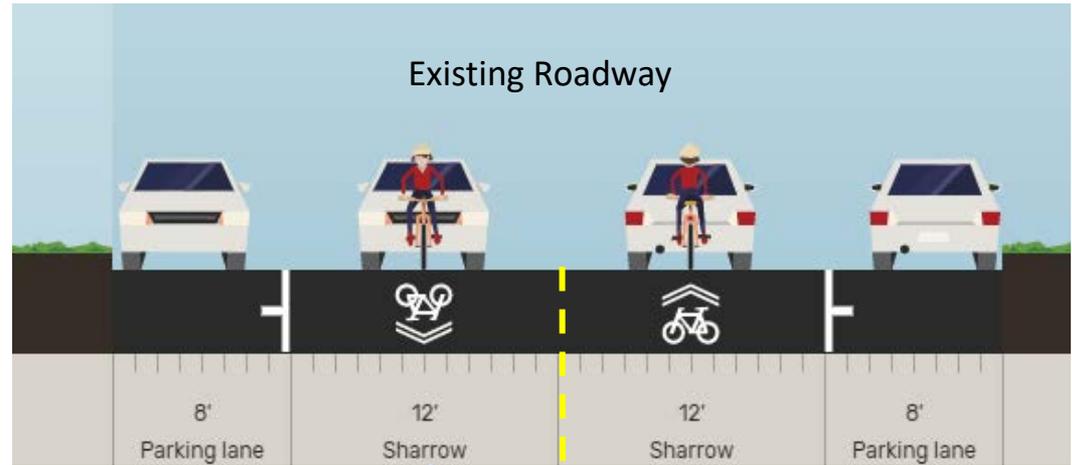
Additional Program Options

Shared Overnight Parking in Bike Lane

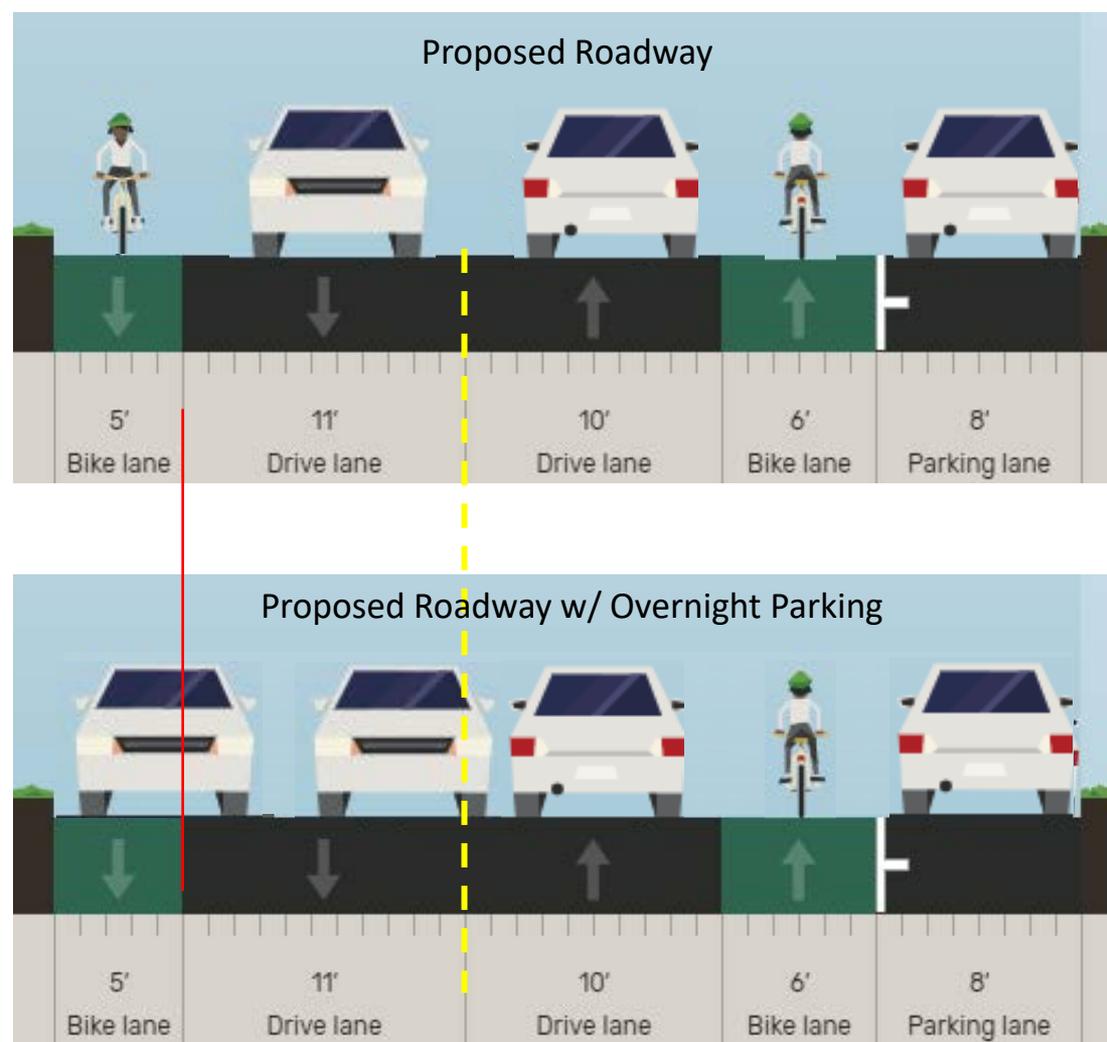
- What is it?
 - Parking permitted in bike lane for overnight hours only.
- Pros
 - Provides on-street parking during peak overnight demand
- Challenges
 - Roadway centerline will be moved; travel lane will be narrow with vehicle parked in bike lane
 - Vehicle code generally restricts parking on bike lane
 - Issues from other cities with parked cars not moving during bike lane hours; safety hazard for bicyclists and motorists during daytime hours
 - Enforcement/towing required to ensure bike lanes available

Additional Program Options

Shared Overnight Parking in Bike Lane



Additional
Program
Options
Shared Overnight
Parking in Bike
Lane



Additional Program Options

Get Around! Program Outreach

- Work with Parks and Recreation department for enhanced program outreach in neighborhood
- Provides affordable transportation option for adults 60 and older

On-Street Accessible Parking Spaces

- Installs accessible parking spaces on-street adjacent to ADA compliant ramps
- Propose to offer the option free of charge

On-Street Parking Stall Markings

- Designates parking spaces on-street for more efficient parking
- Would reduce number of parking spaces because stalls are sized to accommodate larger vehicles

Neighborhood Circulation Study

- Broader study to assess circulation options for the neighborhood
- Consider one-way street options and evaluate other needs/barriers



COMMISSION FEEDBACK AND STAFF RECOMMENDATION



Commission Feedback

Parking Supply Options

- General support for all options presented in survey
- Emphasis on red curb, driveway apron parking, and striped parking stalls on street

Alternate Program Options

- Supported making on-street accessible parking spaces and Get Around! program information available
- Did not support overnight parking in bicycle lane due to safety concerns

Comprehensive Circulation Assessment

- Did not recommend that staff pursue this in the neighborhood to identify other bike lane alternatives in the short term

Bicycle Improvement Implementation

- Unanimous support for implementation
- One commissioner expressed concern to make parking programs available at the time of construction

Staff Recommendation

Staff recommends implementation of the North Central Bike Lanes Project proceed as designed with the following programs

- Red curb for driveways and corner curb ramps (by request)
- Education regarding driveway apron parking
- Evaluation of interest in striped parking spaces on-street
- Implementation of on-street accessible parking spaces (by request)
- Evaluation of shared parking lot options
- Additional Get Around! program outreach
- Evaluate installation of additional pedestrian crosswalks and flashing beacons along Project corridor

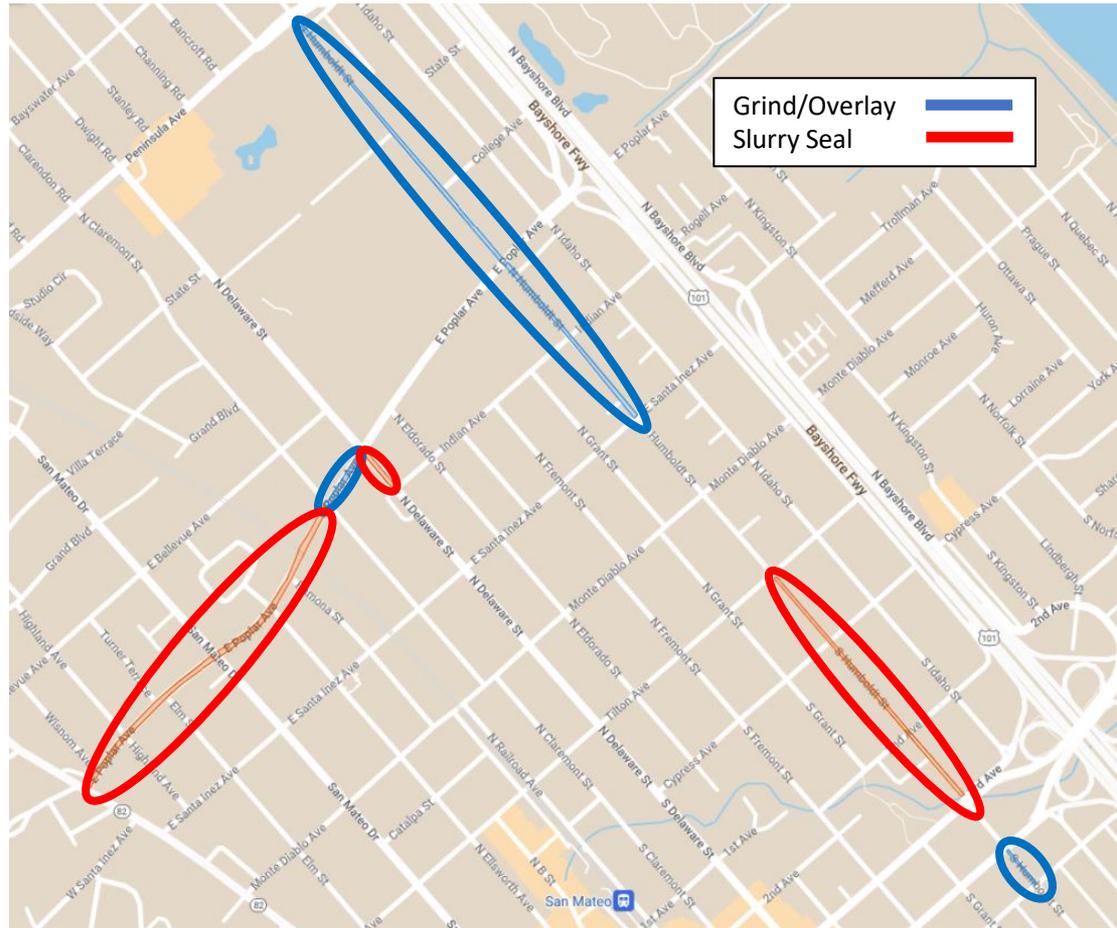
Next Steps

- This week: Posting 'No Parking' signage for the street resurfacing work
- February 28 – March 11: Street resurfacing work in progress
- March 14 – March 18: Striping within the resurfacing portion of the Project corridor
- April 1 (Anticipated): Slurry seal to begin with permanent striping of the Project corridor to follow
- April 30: Construction completion



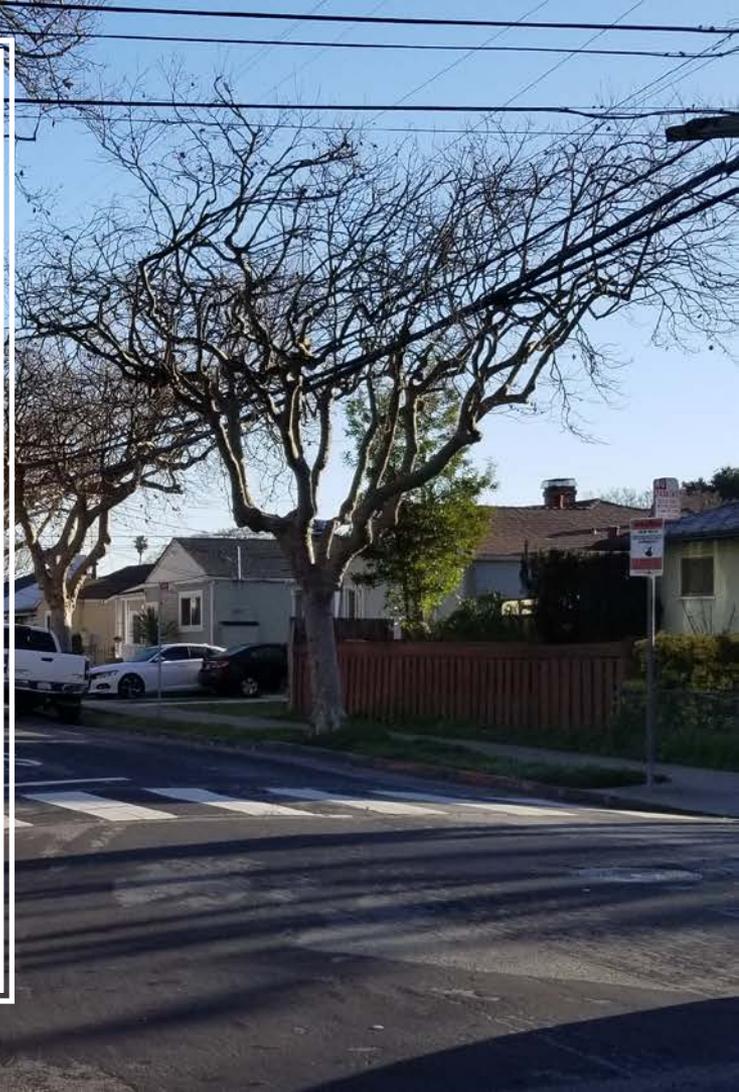
Construction Schedule

- Grind/Overlay
 - February 28 – March 11
- Slurry Seal
 - Anticipated start April 1
- Striping
 - After slurry seal
 - Anticipated start April 11



Next Steps

- Provide Notice to Proceed for paving and roadway striping per City Council direction
- If directed, pursue implementation of approved program options
- Initiate other steps as directed by City Council
- As needed, return to City Council for approval of costs for implementation





Thank You

Sue-Ellen Atkinson

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www.cityofsanmateo.org/publicworks