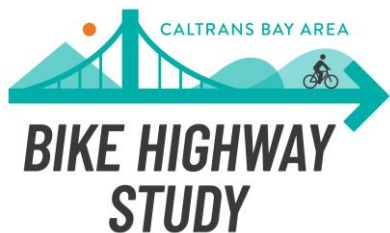


Bike Highways

San Mateo County Bicycle and Pedestrian Advisory Committee Meeting

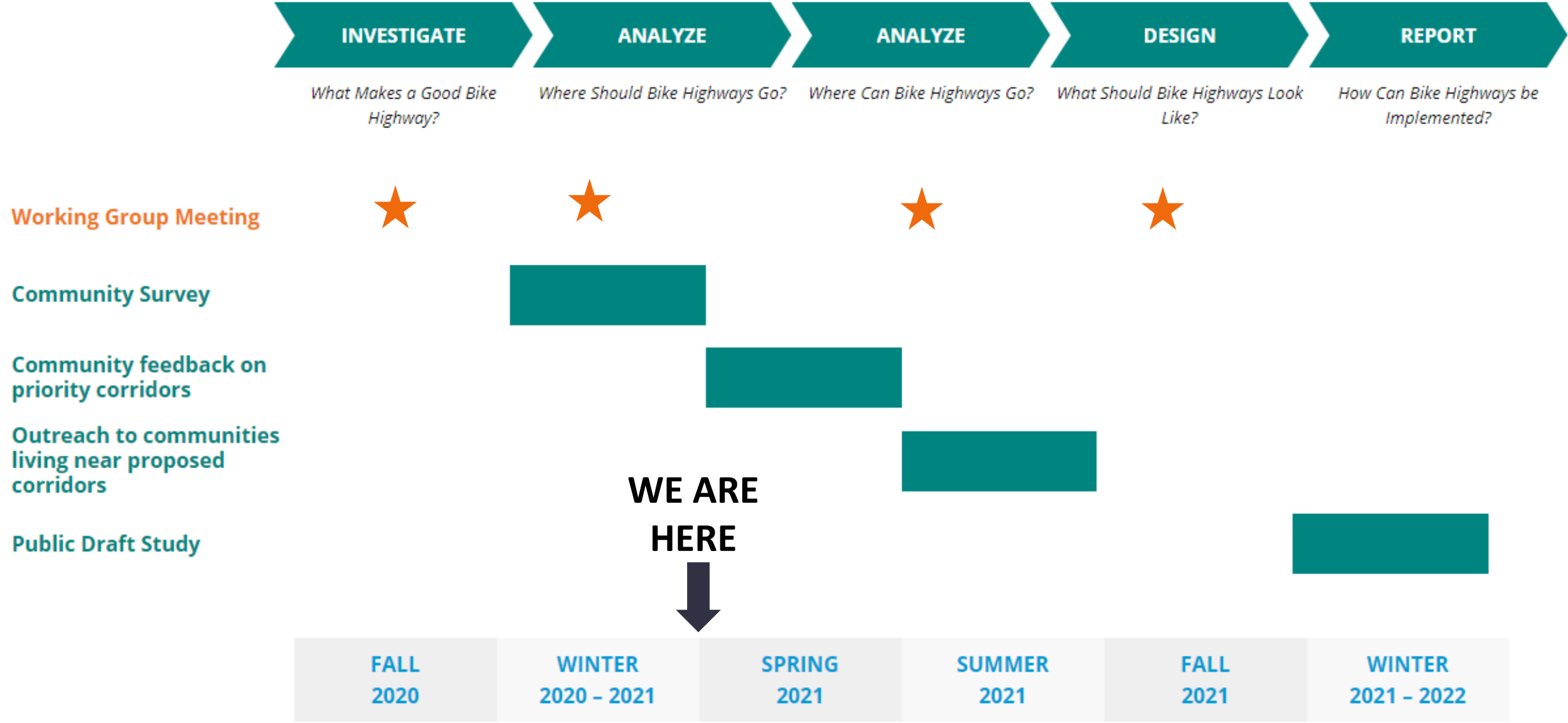
CALTRANS BAY AREA BIKE HIGHWAY STUDY | April 15, 2021





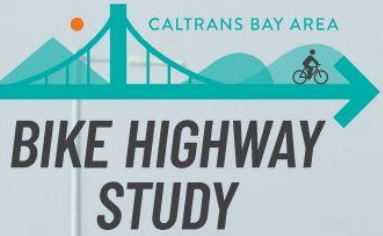
PROJECT TIMELINE

Timeline



PUBLIC ENGAGEMENT

The background image shows a group of cyclists riding across a bridge. The bridge has a distinctive truss structure with large triangular supports. In the foreground, three cyclists are prominent: one in a white jersey, one in a blue and white striped jersey, and one in a red jersey. A car is visible in the background on the right side of the bridge. The entire image is covered with a semi-transparent teal overlay.



WEBSITE LAUNCH

d4bikehighwaystudy.org

- About the project
- Link to survey & future events
- Project timeline
- Resources
- Comment box

About

Caltrans Bay Area (District 4) manages nearly 1,400 miles of State Highway corridors throughout the Bay Area. The goal of this Study is to understand where Bike Highways may be installed alongside State Highway corridors.

The Study builds off of the recommendations included in the 2018 [Caltrans District 4 Bike Plan](#) and the 2017 California State Bicycle and Pedestrian Plan, [Toward an Active California](#).

What is a Bike Highway?

A bike highway is a high-quality, uninterrupted, long-distance bikeway that reduces barriers to destinations that people want to travel to and from, especially places which may normally be difficult to bike to. Bike highways may consist of a mix of on-street facilities and fully-separated trails and should be designed so as to accommodate people of all ages and abilities riding bikes, as well as people walking and rolling where appropriate and feasible. For this Study, Caltrans is evaluating bike highways parallel to State highway corridors.



Click to zoom

SURVEY

QUESTIONS

- Current and pre-COVID bicycle trip frequency and purpose
- Barriers to Bicycling
- Bike Highways
 - Preferred terminology
 - User preferences
 - Safety concerns
 - Design preferences
- Demographics



Caltrans Bay Area Bike Highway Study Survey

Welcome to the Caltrans Bay Area Bike Highway Study Survey!

Caltrans Bay Area wants your input on which features will make bike highways safe and easy for you to use! Share your feedback by taking our short survey, which will ask about your bicycling habits, as well as what makes you feel comfortable while bicycling. All questions are optional.

Caltrans Bay Area is evaluating the implementation of bike highways in the Bay Area. While there is no agreed-upon definition of a bike highway in California, Caltrans Bay Area is defining bike highways as bicycle facilities that:

- Allow for long-distance bicycle travel
- Enable uninterrupted bicycle travel (e.g. few stoplights or intersection crossings)
- Reduce physical barriers to destinations that people want to travel to and from

These facilities may include a mix of bike paths on existing streets and fully-separated trails. They will be designed to accommodate people of all ages and bike-riding abilities, as well as people walking and rolling (such as using mobility devices or on electric scooters and skateboards), where possible. For the purpose of this Study, Caltrans will evaluate bike highways that are parallel to State Highways.

For project updates and additional information, visit d4bikehighwaystudy.org

OK

BIKE HIGHWAYS BACKGROUND



What are Bike Highways?*

- High-quality, uninterrupted, and long-distance bikeways
- Support higher speed travel
- Support large volumes of people bicycling
- Connect regional destinations
- Mobility vs accessibility



Bike Highway in Denmark. Photo: Maurits Lopez Cardozo

* Based on review of worldwide best practices

Intended Users

- Bicycle Commuters
- Recreational riders
- Powered micromobility
- E-bikes



Bike Highway in the Netherlands. Photo: Maurits Lopez Cardozo

DESIGN ELEMENTS



Design Principles

- Higher speed
- Mobility
- Dedicated
- Low Effort
- Direct



Design Elements

- Alignment
- Intersections
- Materials and Amenities

*Photos: Alta Planning + Design;
Maurits Lopez Cardozo;
Sergio Ruiz*



Alignment

- Levels of Separation
- Design Speeds
- Width
- Slope
- Vehicles Permitted



Intersections

- Access Points and Connections to Local Bikeways
- Intersection/Crossing Treatments
- Green Wave Signal Phasing



Photo: Alta Planning + Design; Maurits Lopez Cardozo

Materials and Amenities

- Surface Materials
- Branding/Wayfinding
- Lighting
- Support Facilities



*Photos: Alta Planning + Design
Maurits Lopez Cardozo*

NEXT STEPS

The background image is a landscape photograph with a teal color overlay. It shows a paved road or path leading into the distance. On the left, there is a large, leafy tree. On the right, there is a dense line of trees and bushes. In the middle ground, several people are riding bicycles away from the viewer. In the background, a road with cars is visible, and further back, there are rolling hills or mountains under a cloudy sky. A small orange horizontal line is positioned below the text "NEXT STEPS".

Next Steps

- Review public feedback to understand user preferences and inform data-driven Route Selection Methodology
- Select routes that are feasible, suitable, and meet community needs
- Get community feedback on selected routes
- Develop concepts for Bike Highway segments



Photos: Sergio Ruiz; Maurits Lopez Cardozo

thank you! questions?

<https://d4bikehighwaystudy.org/>