



CITY OF
Richmond CALIFORNIA



METROPOLITAN
TRANSPORTATION
COMMISSION

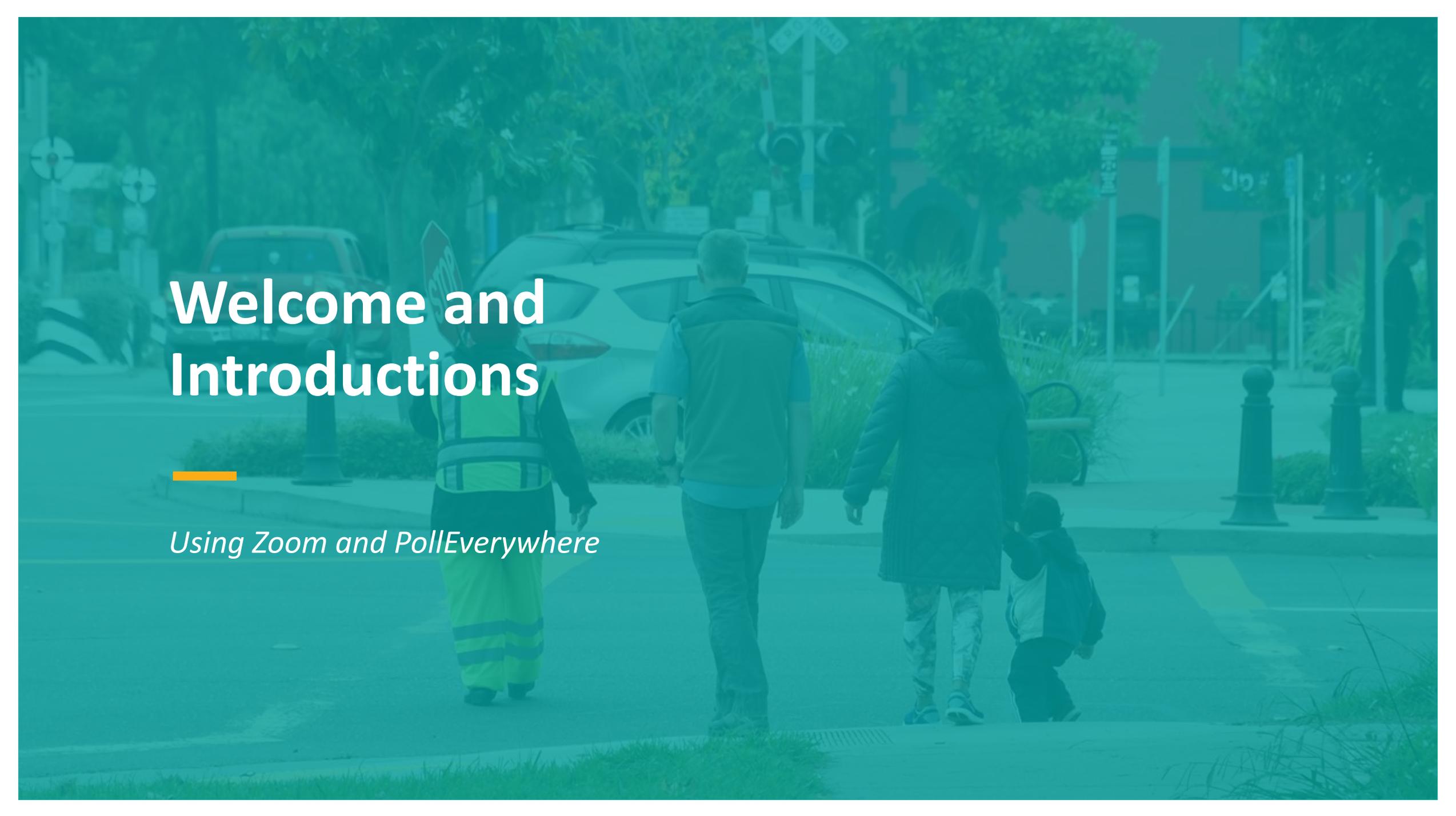
FEHR & PEERS

alta

Travel Safe Richmond

Community Workshop

December 8, 2021



Welcome and Introductions

Using Zoom and PollEverywhere

Agenda

- Logistics
- Project Overview
- Health and Equity Analyses
- Walking and Bicycling in Richmond
- Roadway Safety in Richmond
- Safety Vision for Richmond
- Questions/Discussion
- Next Steps

Project Team Introductions



Lina Velasco



Patrick Phelan



Denee Evans



Lydia Elias



Mauricio Hernández



Ben Frazier



Jordan Brooks



Ryan McClain



Molly Riddle

Welcome

Thank you for being here!

Can't stay the whole time? Have more to say?

Connect with us via:

Web

www.TravelSafeRichmond.org

Email

Lydia Elias

Planner, Planning and Building Services

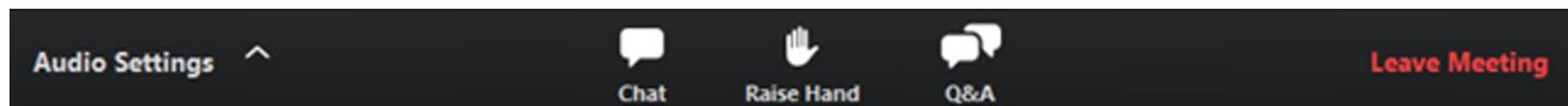
travelsafe@ci.richmond.ca.us

Logistics

Using Zoom and PollEverywhere

Using Zoom

- When participating, please change your display name
 - Click the participants tab at the bottom, hover over your current name and click “More” then “Rename.” (First name and last initial is okay)
- Type questions and comments in the Q&A window.
- Raise your hand to speak during Q&A Sessions.
- This meeting will be recorded and posted online.



Using PollEverywhere

Pollev.com/altaplanning107

Keep the page open

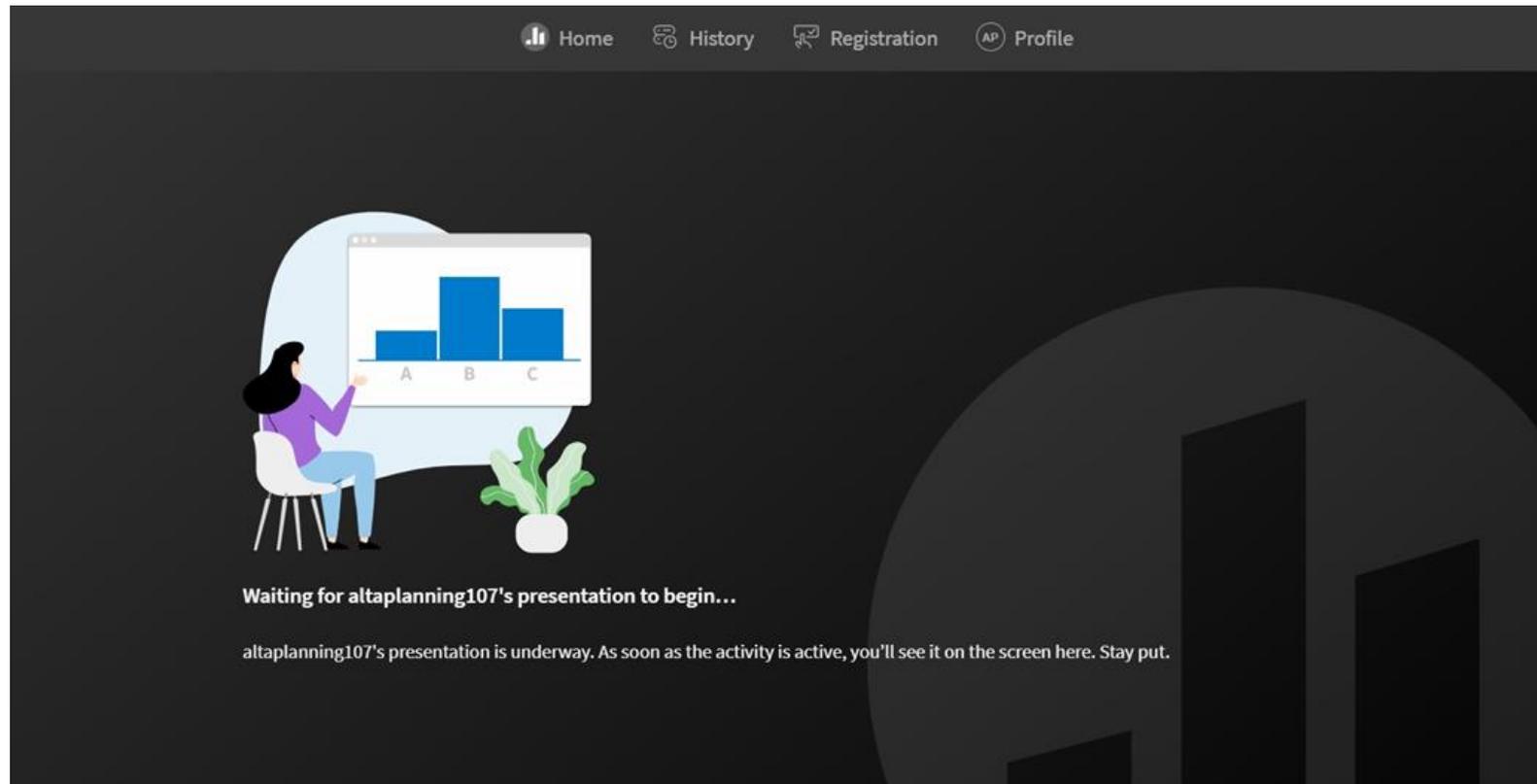
We will be turning on new polls throughout the presentation!

Alternatively

Participate via text messaging. Text

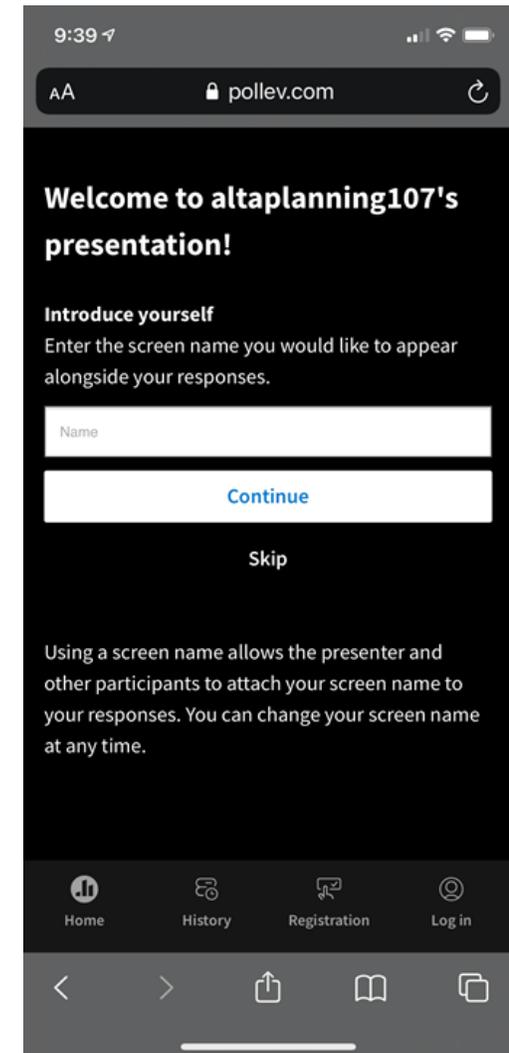
ALTA PLANNING107 to 22333

How to Access PollEverywhere



Desktop View

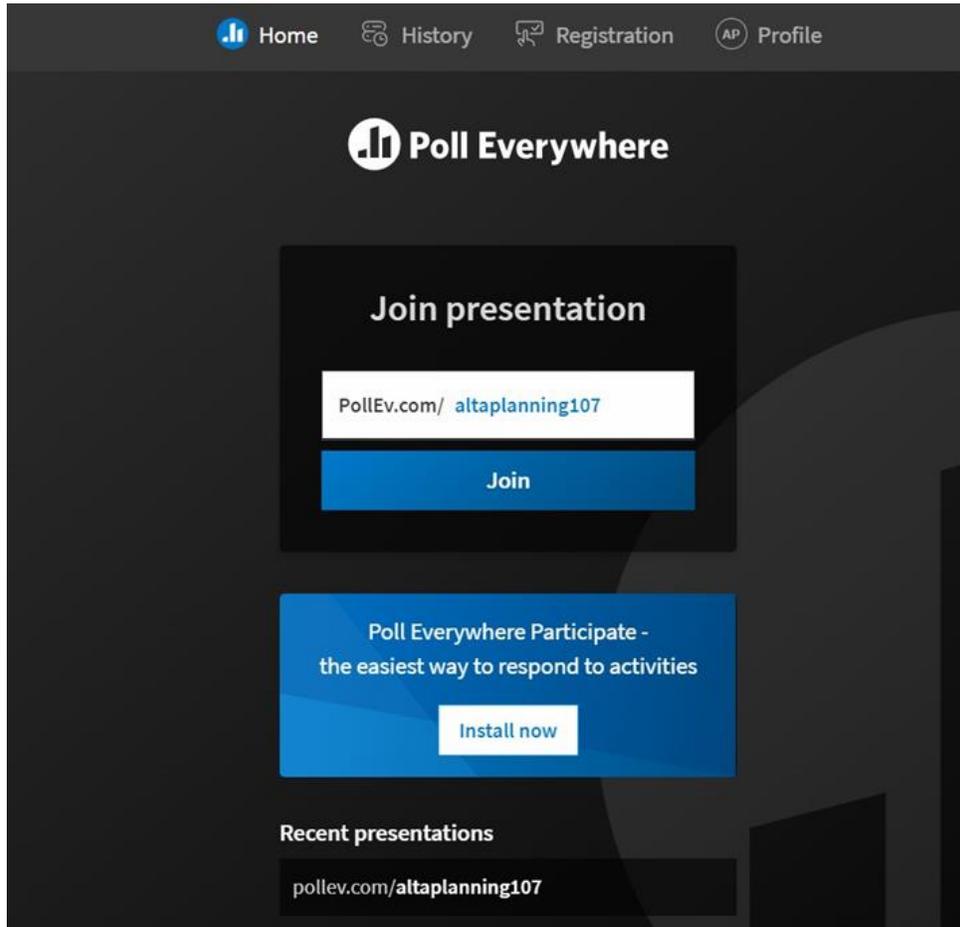
Mobile View



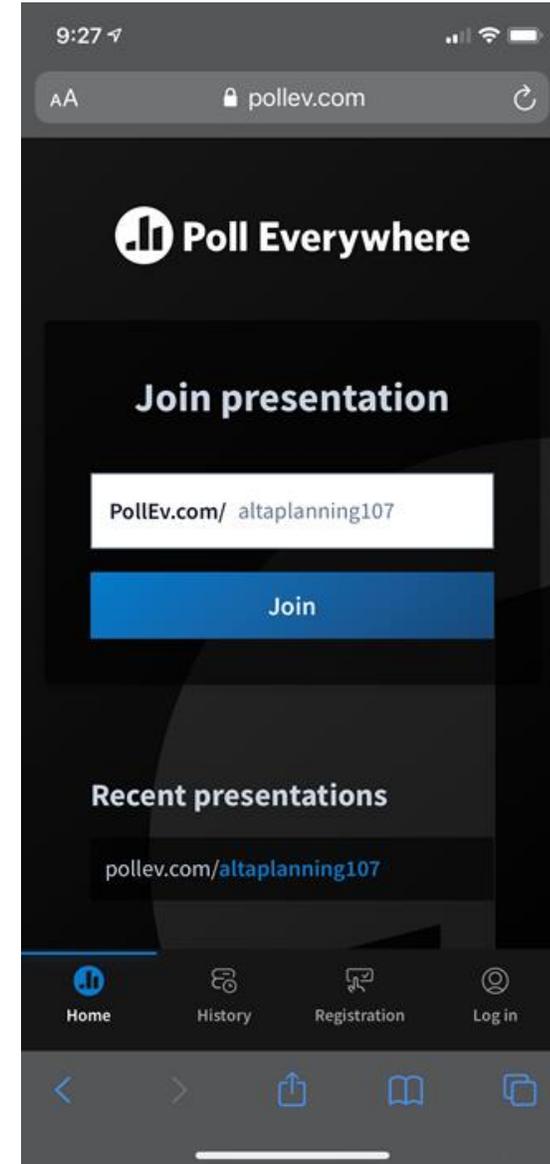
How to Access PollEverywhere

[PollEv.com/altaplanning107](https://pollev.com/altaplanning107)

Desktop View



Mobile View



PollEverywhere Test

Can you access PollEverywhere?

¿Puede acceder la encuesta en PollEverywhere?

Yes - Si

I think
so - Creo
que si

Poll 1

🌐 When poll is active, respond at pollev.com/altaplanning107

📱 Text **ALTAPLANNING107** to **22333** once to join

What ZIP code do you live in?

¿Cual es su código postal?

94530

94801

94803

94804

94805

94806

Outside of Richmond

Poll 2

What words come to mind when you think of "safety" while traveling in Richmond?

¿Qué piensa cuando habla de "seguridad" mientras viaja por Richmond?

Project Overview

What is Travel Safe Richmond?

Project Overview

Travel Safe Richmond is a two-pronged approach to improving roadway safety for all users

- Local Roadway Safety Plan
- Bike and Pedestrian Action Plan



What is a Local Road Safety Plan (LRSP)?

- Crash data review
- Trend identification
- Countermeasure selection
- Project development

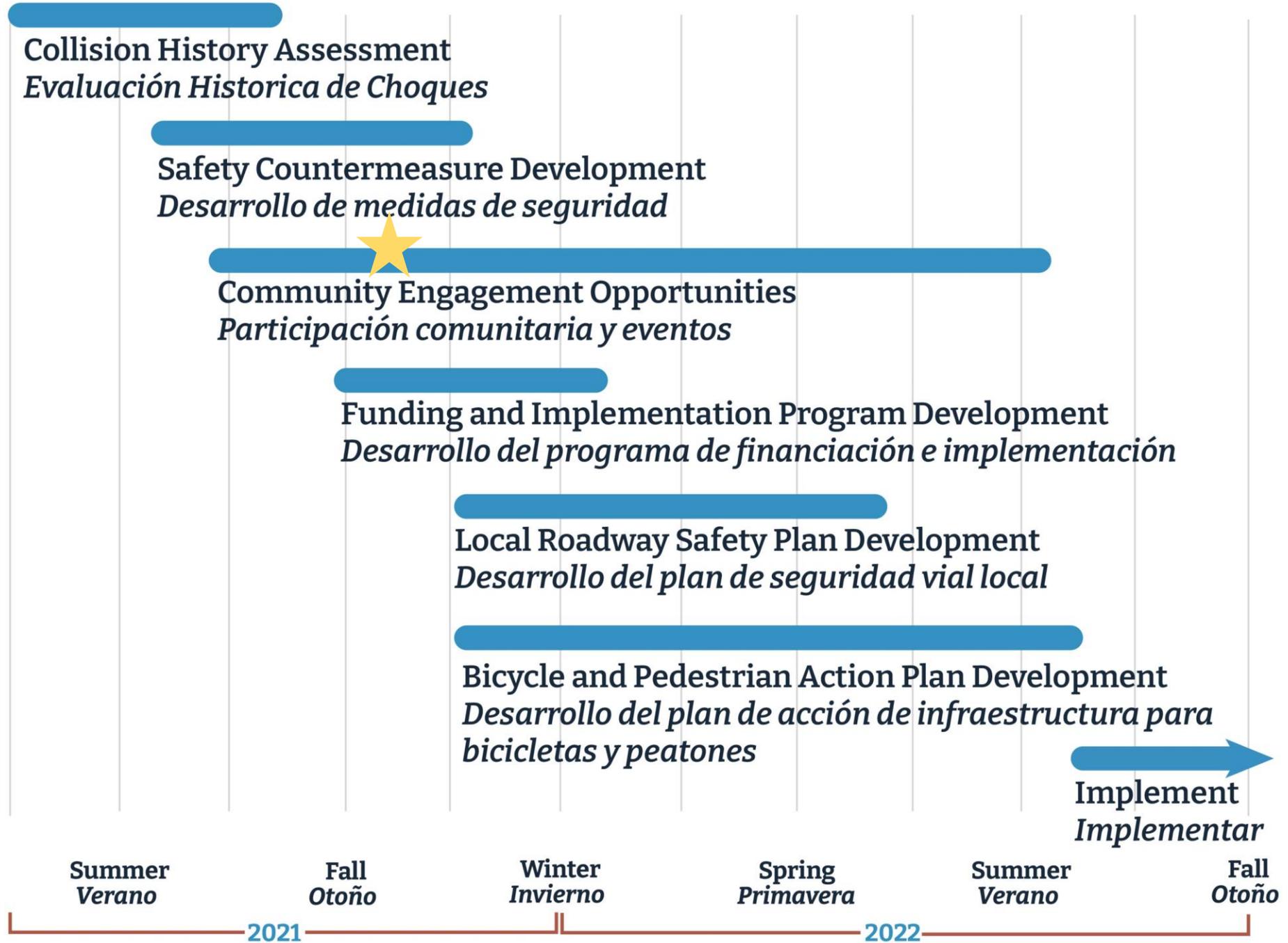


Bike and Pedestrian Action Plan

Create a blueprint for improving walking and bicycling citywide over the next five years



Project Timeline



Community Engagement



Community workshops



Stakeholder meetings



Interactive Webmap



Draft Plan review



Source: City of Richmond



Stakeholder Meetings

City Planning and Engineering Staff

City Council Members

Fire Department

Police Department

Meetings throughout study process for input and feedback from a variety of stakeholders involved in transportation safety



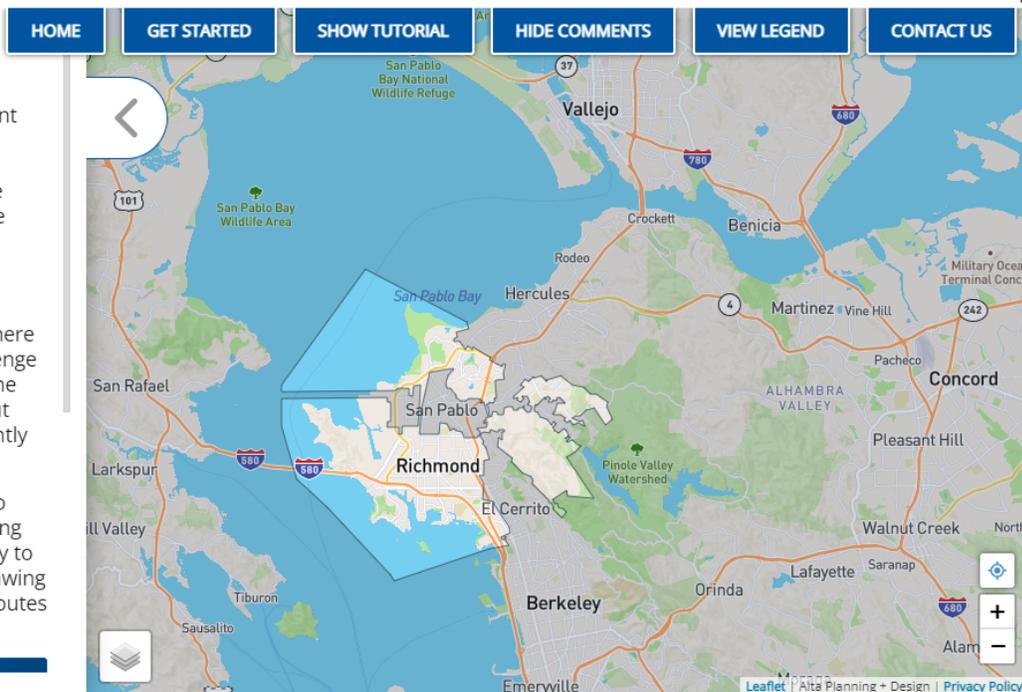
Web and Interactive Map

Instructions

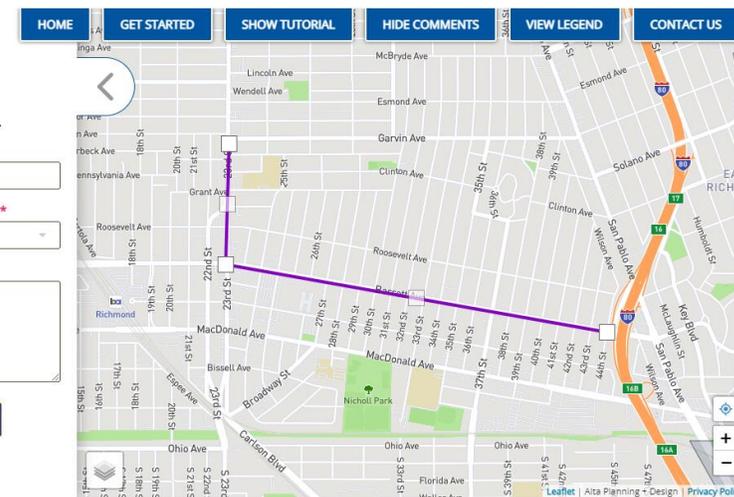
The solid lines on the map represent existing facilities (ex. Bike lanes, sidewalks, etc). Click "View Legend" above to reveal the legend. See the [visual glossary](#) for details about the different bikeways and types of pedestrian related infrastructure.

Use the buttons below to provide feedback on locations or routes where you have a concern or face a challenge walking, biking, or rolling around the City. You can also let us know about walking or biking routes you currently use or would like to use.

Click on the "Add a route" button to draw all or part of a walking or biking route. You will have an opportunity to leave a comment in addition to drawing the route. You can draw multiple routes on the map.



Welcome to the **Travel Safe Richmond** homepage. Travel Safe Richmond is the City's two-pronged approach to improving roadway safety for all users: people walking, biking, rolling, and driving. All components of Travel Safe Richmond are working together to create unified policies and infrastructure recommendations for improving roadway conditions throughout the City of Richmond. Input from City stakeholders and community members is a critical component of this effort. We hope you will share your experiences, challenges, and vision for the future of travel in Richmond.



Comment Here

Please complete the form below.

Your name

What kind of route are you adding? *
-- select an option --

Comment (0/500 characters) *



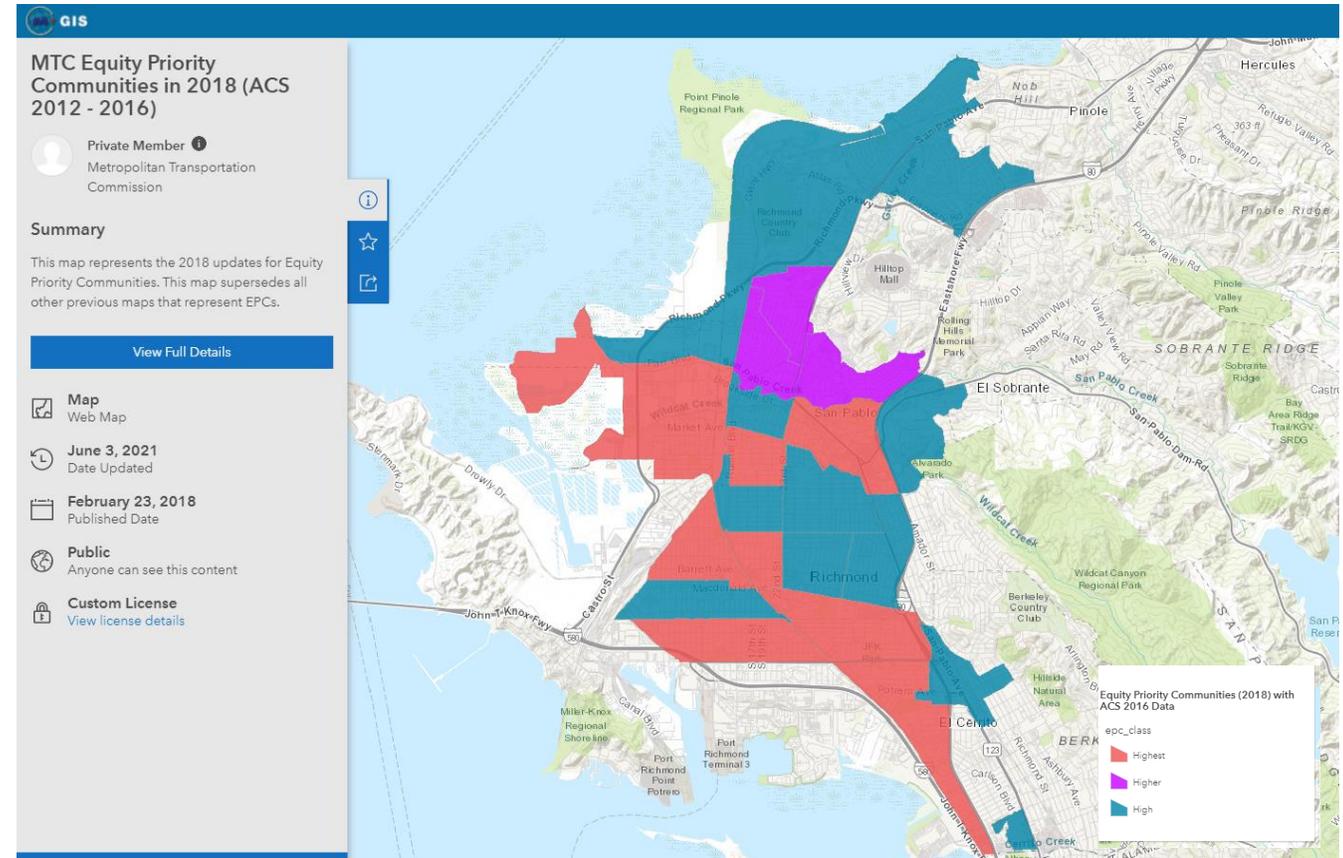
Health and Equity Analyses

Why we conduct the analyses, variables and factors, summary

Equity Analysis

Why conduct an Equity Analysis?

Research indicates that historically disadvantaged and vulnerable populations may have a **greater reliance** on walking and bicycling to meet **daily needs**



Source: MTC

Equity Analysis

Summary Analyses and Variables

1. Low-Income Households

Calculates the percentage of households that earn less than 200% of the Federal Poverty Level (Source: ACS 2018)

2. Population Over Age 75

Examines the concentrations of seniors over the age 75 (Source: ACS 2018)

3. Rent Burdened Population

Calculates the percent of households spending more than 30% of their income on housing costs (Source: ACS 2018)

4. Zero Vehicle Households

Examines the number of households without access to a personal motor vehicle (Source: ACS 2018)

Equity Analysis

Low-income Households

LOW-INCOME HOUSEHOLDS

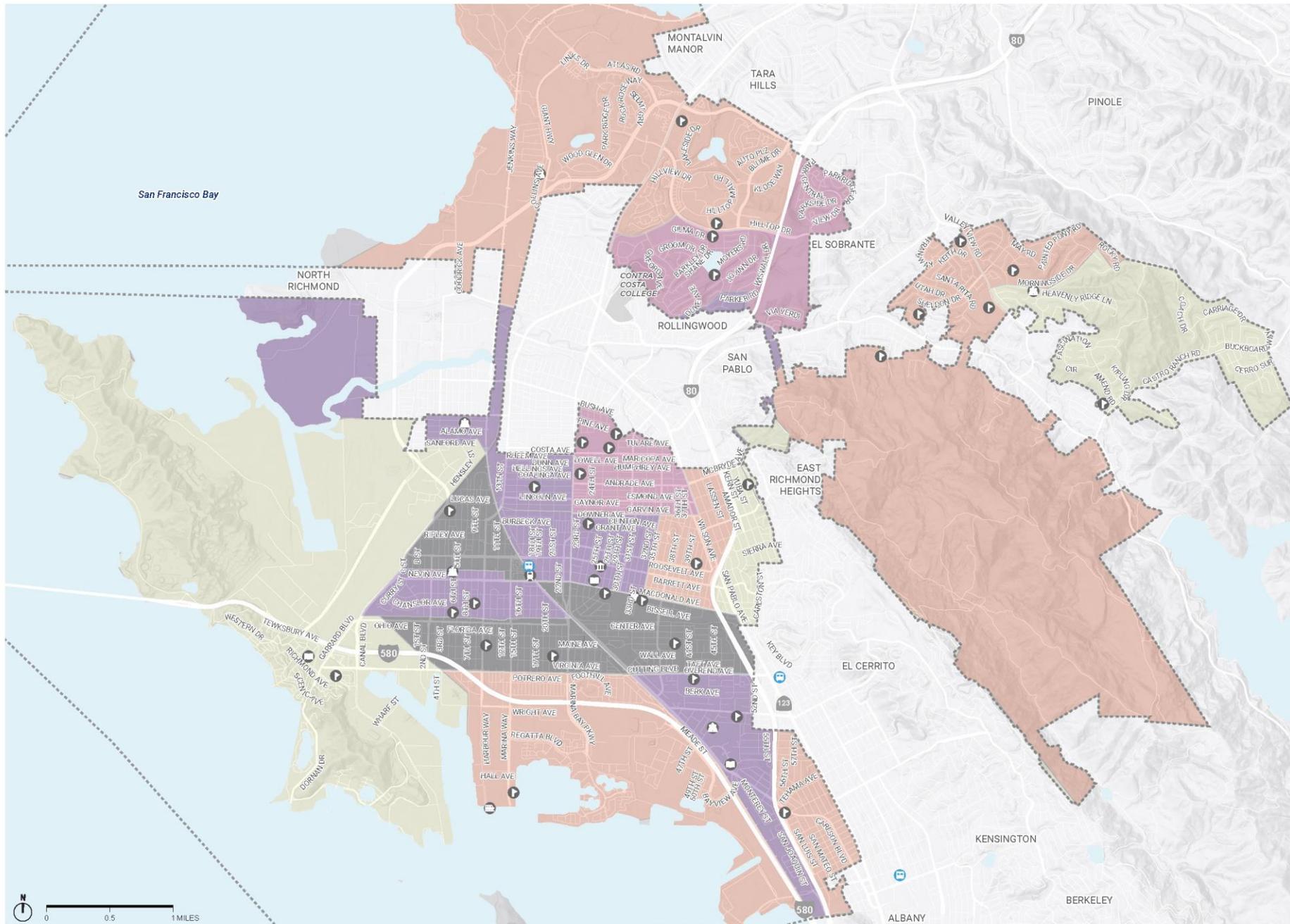
TRAVEL SAFE RICHMOND

LOW-INCOME HOUSEHOLDS

- 51% to 60%
- 41% to 50%
- 31% to 40%
- 21% to 30%
- 7% to 20%

BOUNDARIES + DESTINATIONS

- BART Station
- Amtrak Station
- Ferry Terminal
- School
- City Hall
- Library
- Community Center
- Contra Costa College
- City Boundary



Equity Analysis

Population over Age 75

POPULATION OVER 75

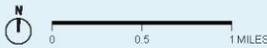
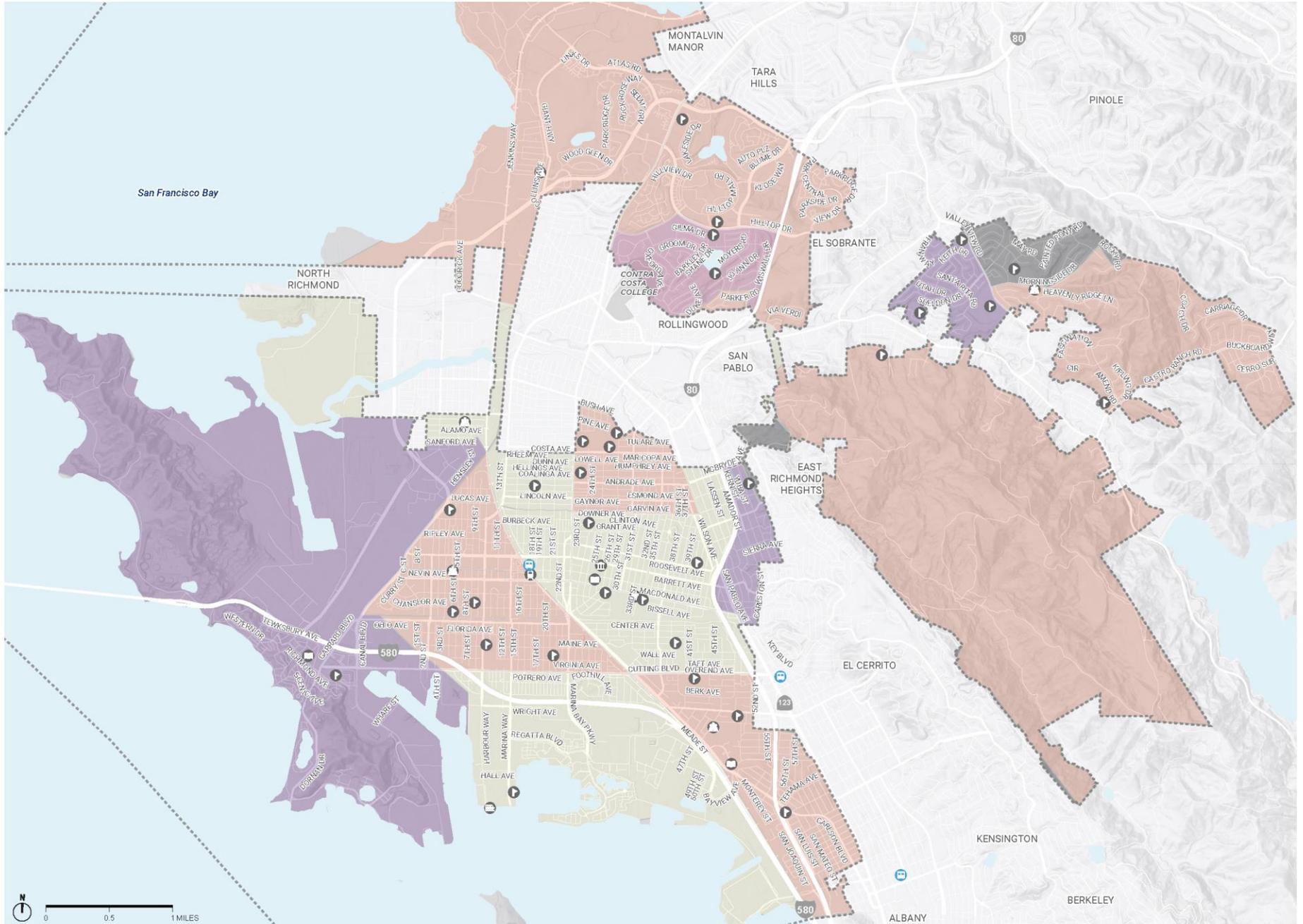
TRAVEL SAFE RICHMOND

POPULATION OVER 75

- 11% to 13%
- 9% to 10%
- 7% to 8%
- 5% to 6%
- 1% to 4%

BOUNDARIES + DESTINATIONS

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Equity Analysis

Rent Burdened Households

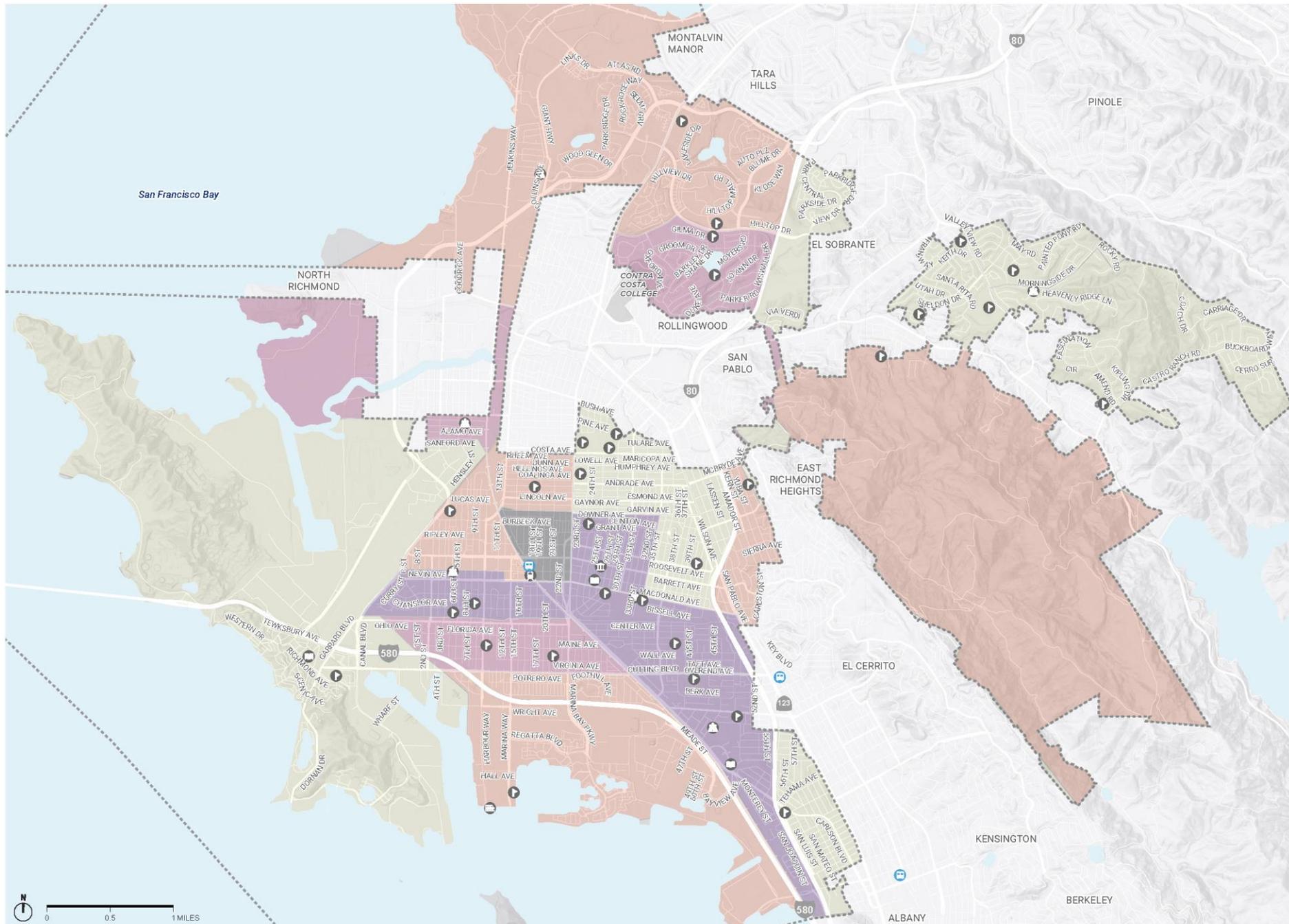
RENT BURDENED HOUSEHOLDS
TRAVEL SAFE RICHMOND

RENT BURDENED HOUSEHOLDS

- 23% to 31%
- 19% to 22%
- 15% to 18%
- 11% to 14%
- 1% to 10%

BOUNDARIES + DESTINATIONS

- BART Station
- Amtrak Station
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- Contra Costa College



Sources: City of Richmond, MTC, Caltrans, Esopix, and Contra Costa County. Document: N:\Shared\PROJECTS\2021\00-2021-114 MTC VMT Reduction Plan\GIS\Projects\21-114_MTC_VMT_ReductionPlan.aprx. Date saved: 11/23/2021.

Equity Analysis

Zero-vehicle Households

ZERO CAR HOUSEHOLDS

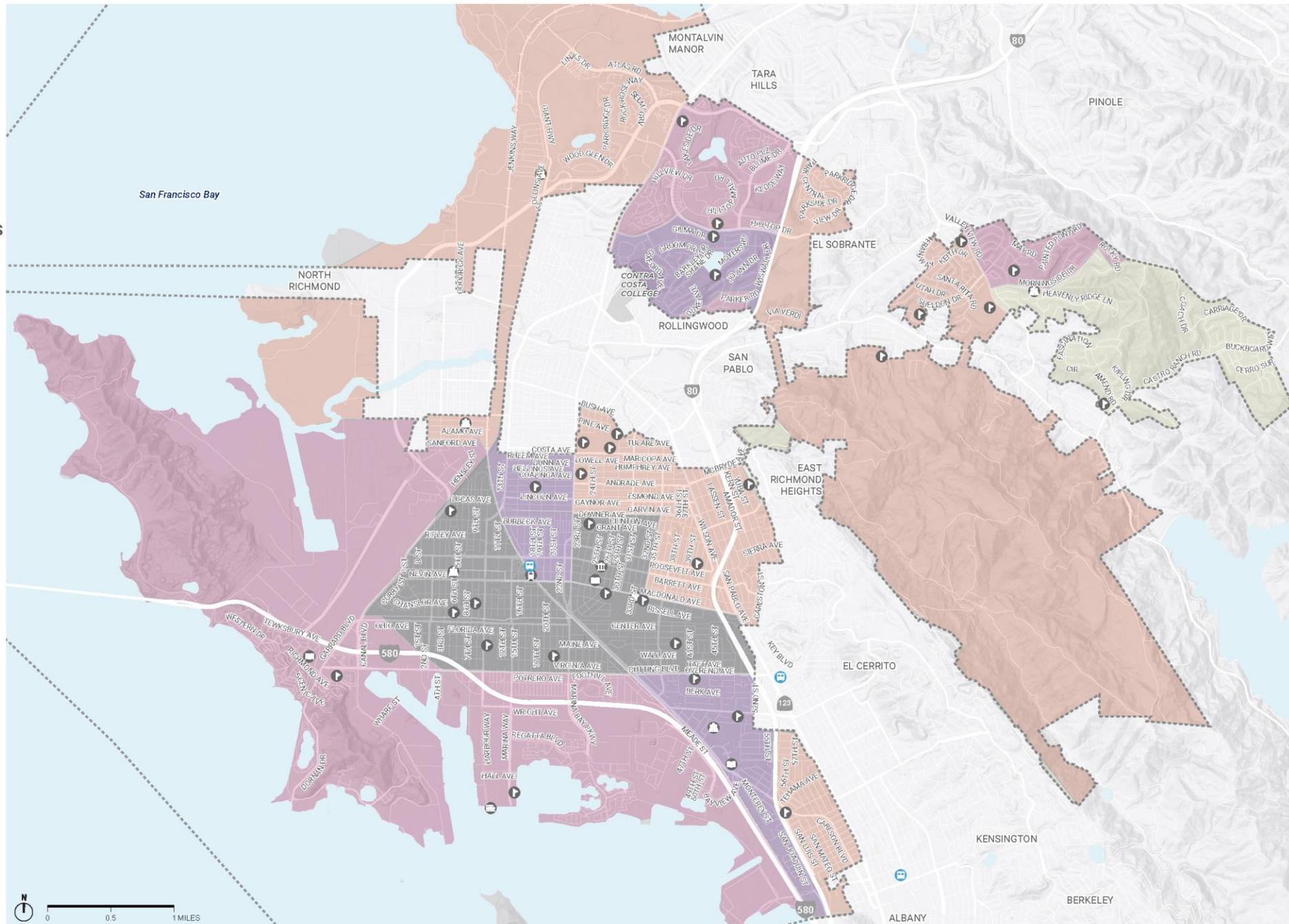
TRAVEL SAFE RICHMOND

ZERO CAR HOUSEHOLDS

- 15% to 19%
- 11% to 14%
- 7% to 10%
- 3% to 6%
- 0% to 2%

BOUNDARIES + DESTINATIONS

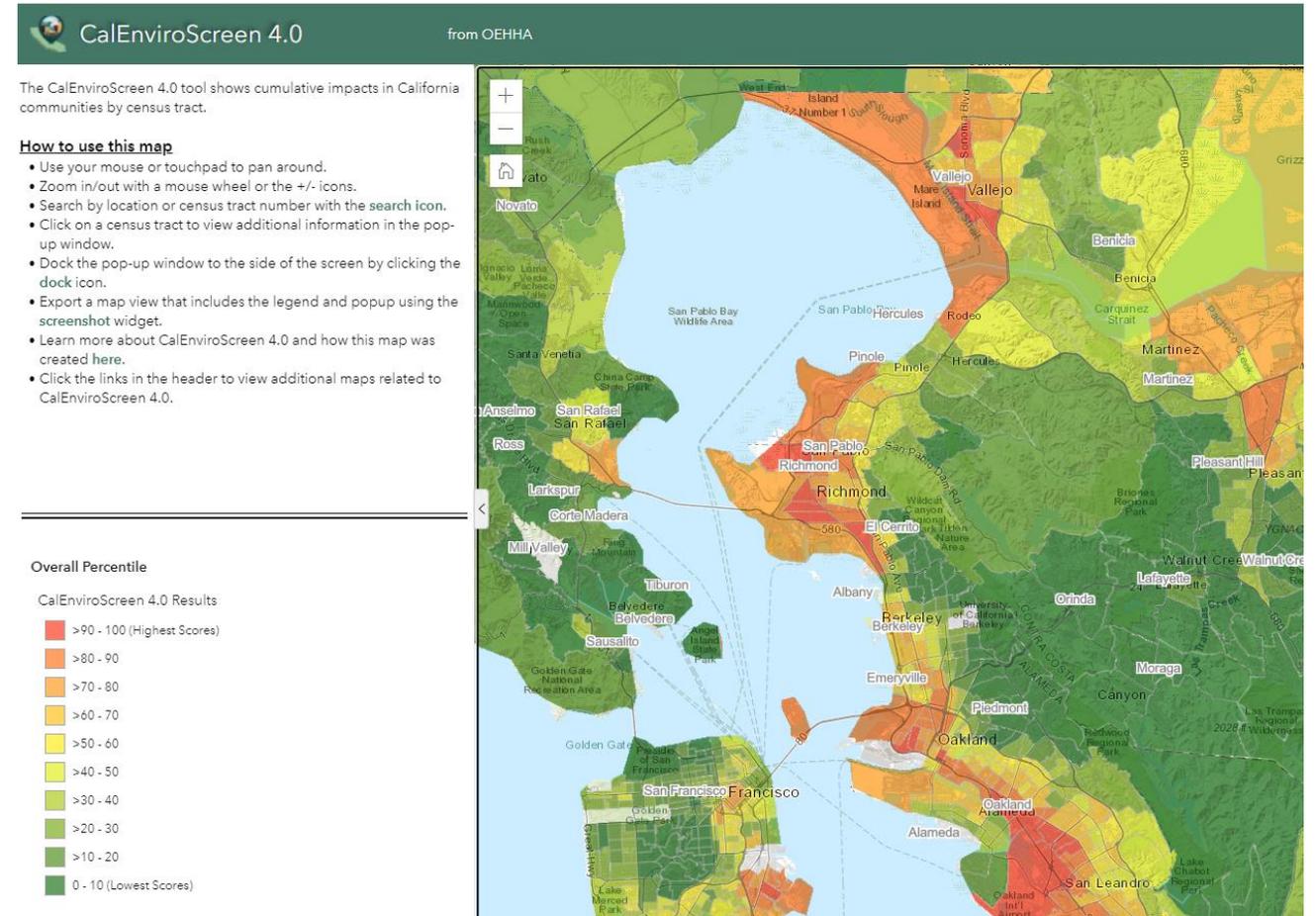
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Health Analysis

Why conduct a Health Analysis?

Research indicates that communities with higher health risk factors tend to have less access to roadway infrastructure that promotes walking and biking



Source: CA OEHHHA

Health Analysis

Summary Analyses and Variables

1. **Life Expectancy** (Source: CDC Neighborhood Life 2015)
2. **High Blood Pressure** - Hypertension related deaths per 100,000 people (Source: CDC Places 2020)
3. **Heart Disease** – Heart disease related deaths per 100,000 people (Source: CDC Places 2020)
4. **Diabetes** – Diabetes related deaths per 100,000 people (Source: CDC Places 2020)

Health Analysis

Life Expectancy

LIFE EXPECTANCY

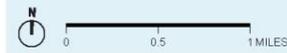
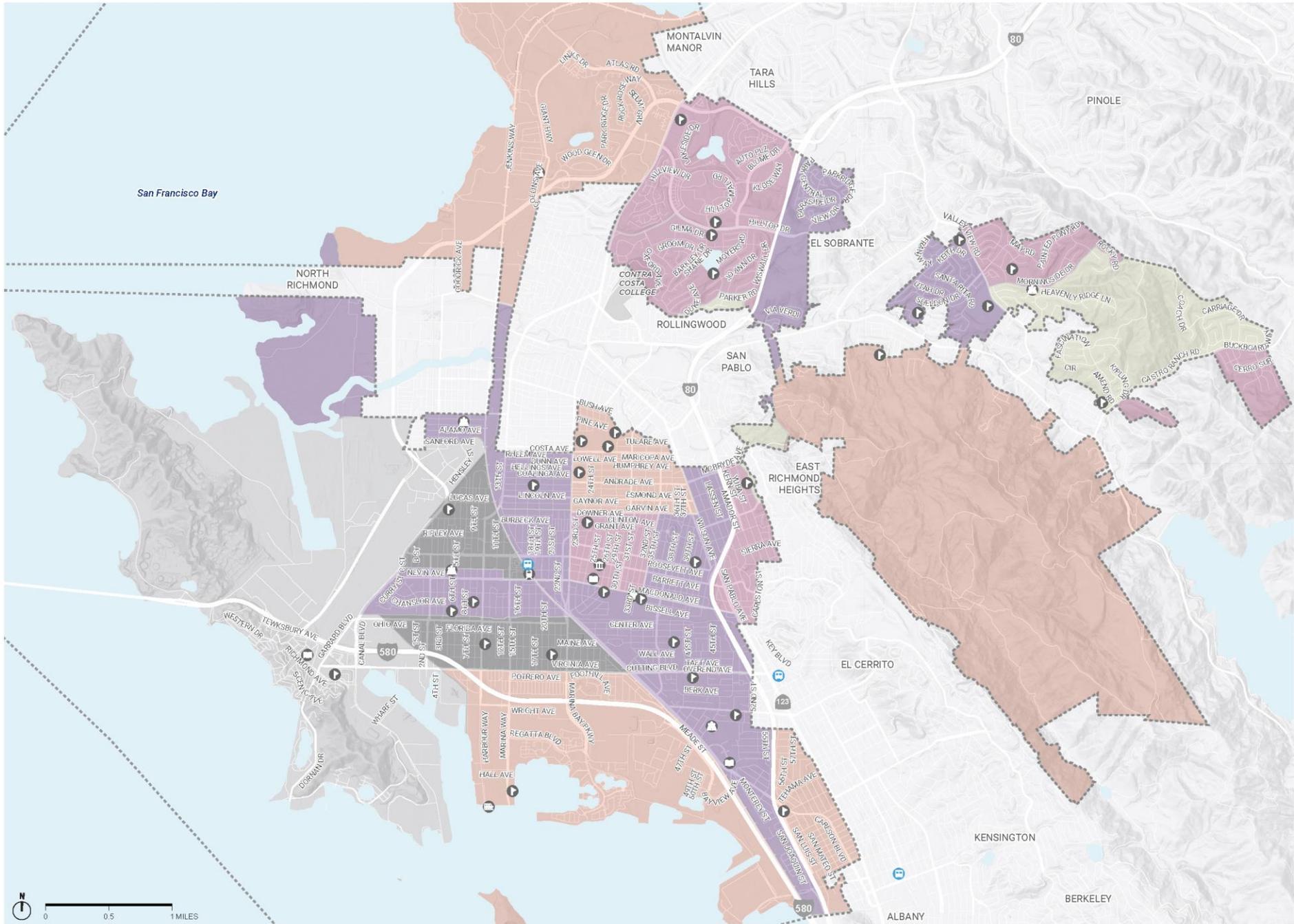
TRAVEL SAFE RICHMOND

LIFE EXPECTANCY

- 73 to 75
- 76 to 78
- 79 to 80
- 81 to 83
- 84 to 87

BOUNDARIES + DESTINATIONS

- BART Station
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Health Analysis

High-Blood Pressure

HIGH BLOOD PRESSURE

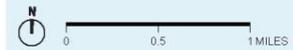
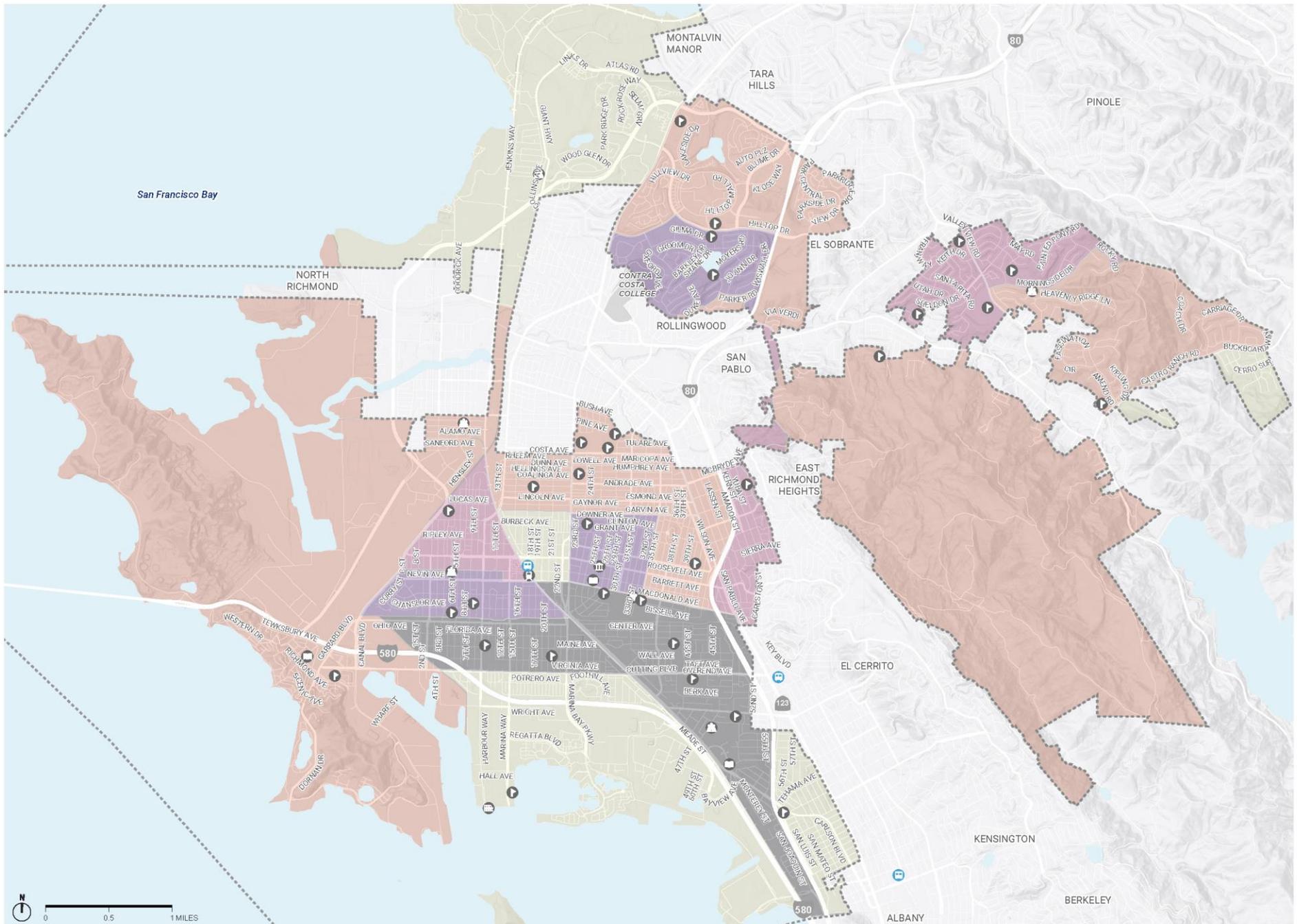
TRAVEL SAFE
RICHMOND

HIGH BLOOD PRESSURE PREVALENCE

- 33 to 35%
- 31 to 32%
- 29 to 30%
- 27 to 28%
- 21 to 26%

BOUNDARIES + DESTINATIONS

- BART Station
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Health Analysis

Heart Disease

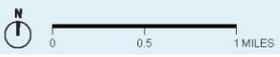
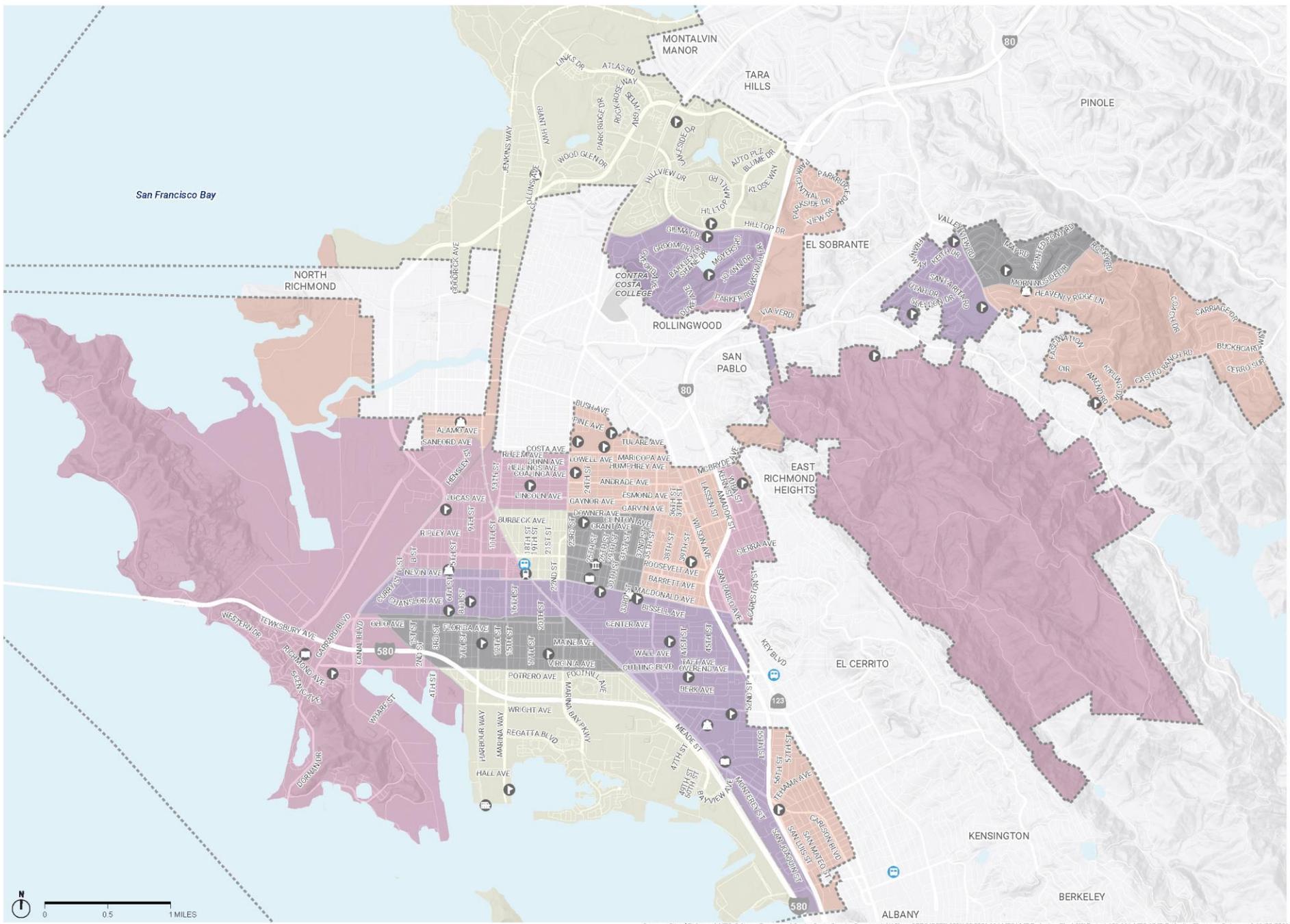
CORONARY HEART DISEASE TRAVEL SAFE RICHMOND

CORONARY HEART DISEASE PREVALENCE

- 6.1% to 7.9%
- 5.6% to 6%
- 5.1% to 5.5%
- 4.6% to 5%
- 3.8% to 4.5%

BOUNDARIES + DESTINATIONS

- BART Station
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Health Analysis

Diabetes

DIABETES

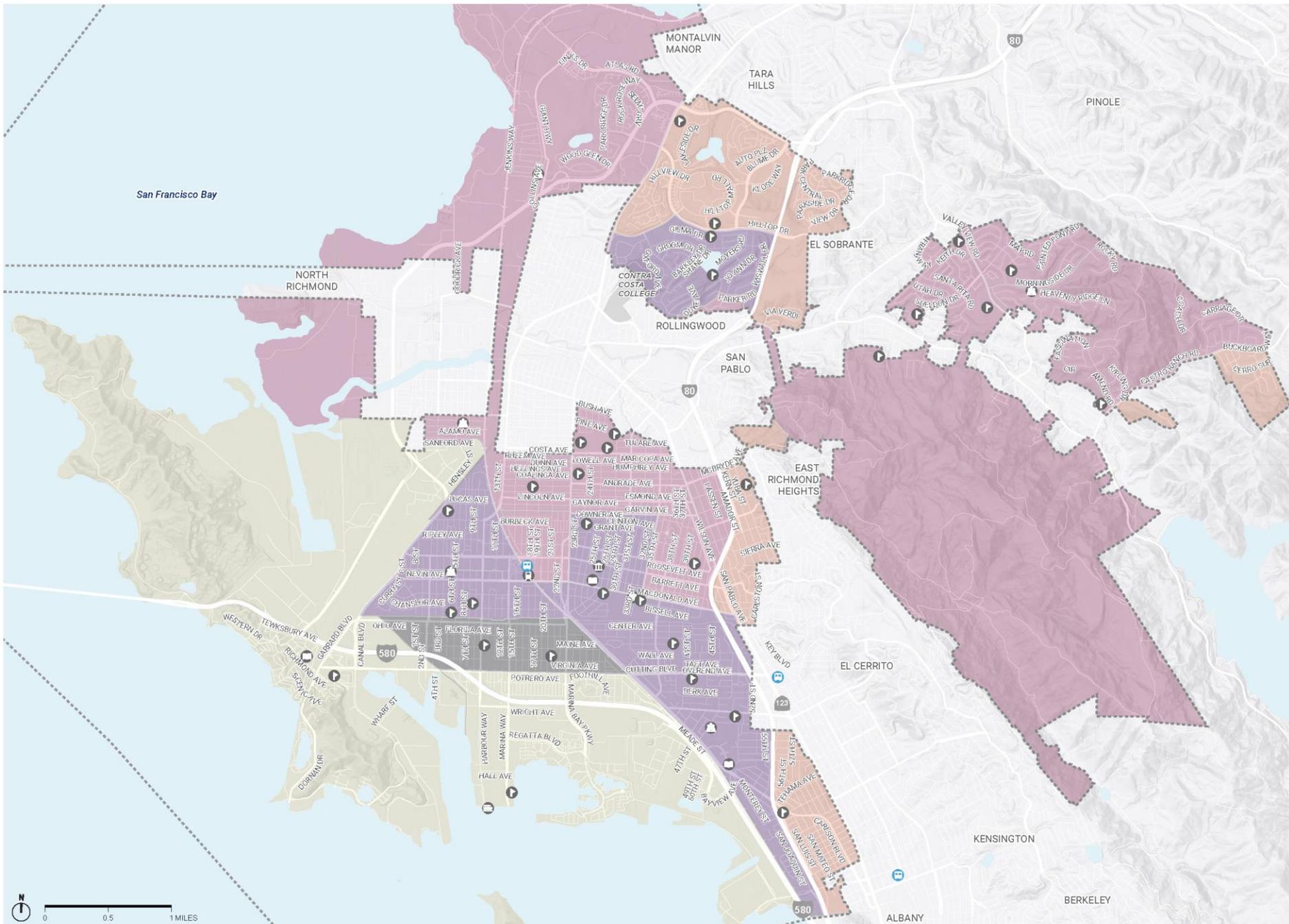
TRAVEL SAFE RICHMOND

DIABETES PREVALENCE

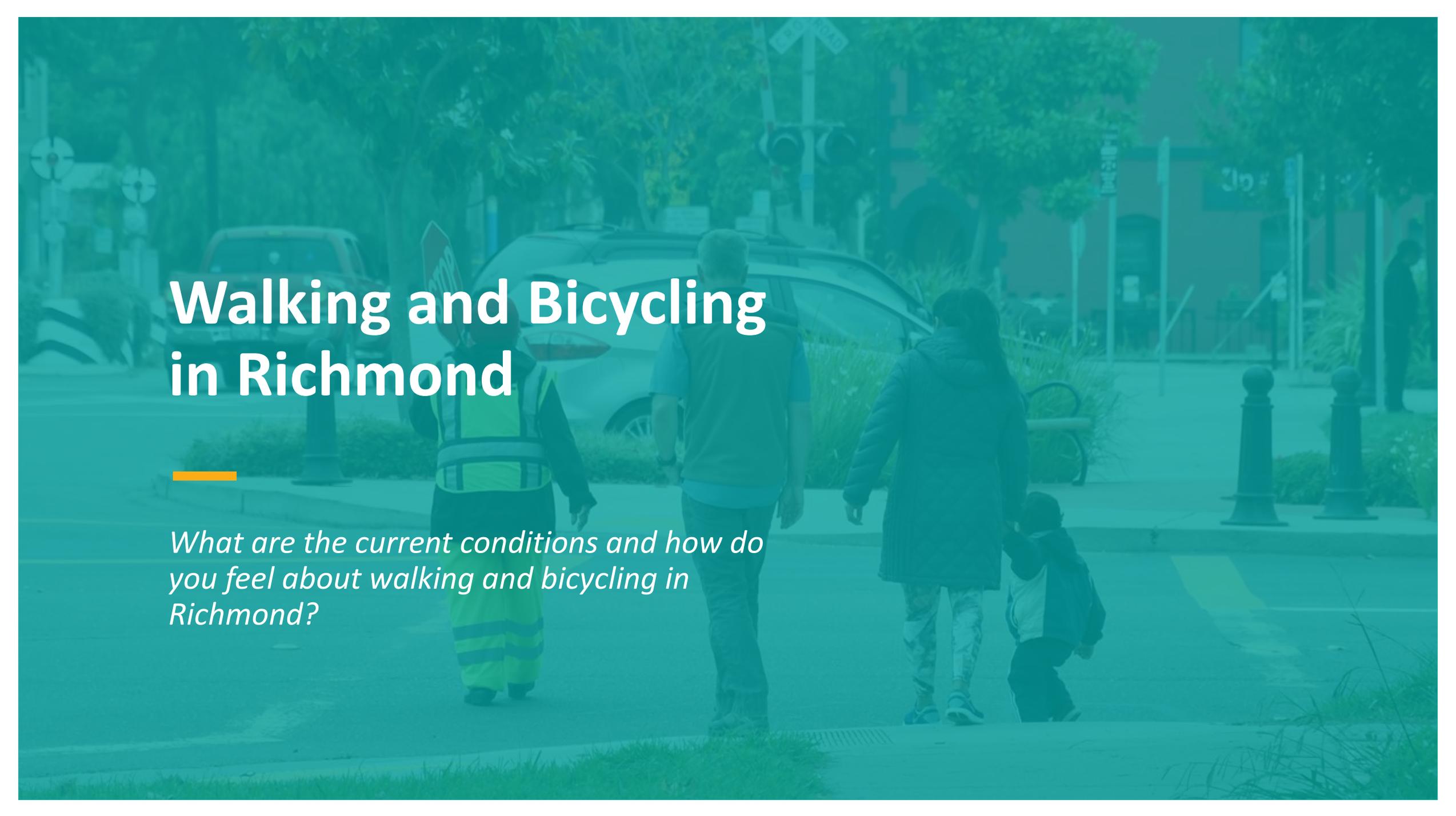
- 15% to 16%
- 13% to 14%
- 11% to 12%
- 9% to 10%
- 8%

BOUNDARIES + DESTINATIONS

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- Contra Costa College



Sources: City of Richmond, MTC, Caltrans, Escriba, and Contra Costa County. Document: N:\Shared\PROJECTS\2021\20-2021-114.MTC_VMT_Reduction_Plan\GIS\Projects\21-114.MTC_VMT_Reduction_Plan.aprx. Date saved: 11/23/2021.



Walking and Bicycling in Richmond

What are the current conditions and how do you feel about walking and bicycling in Richmond?

Current Pedestrian Network

SIDEWALKS + TRAILS

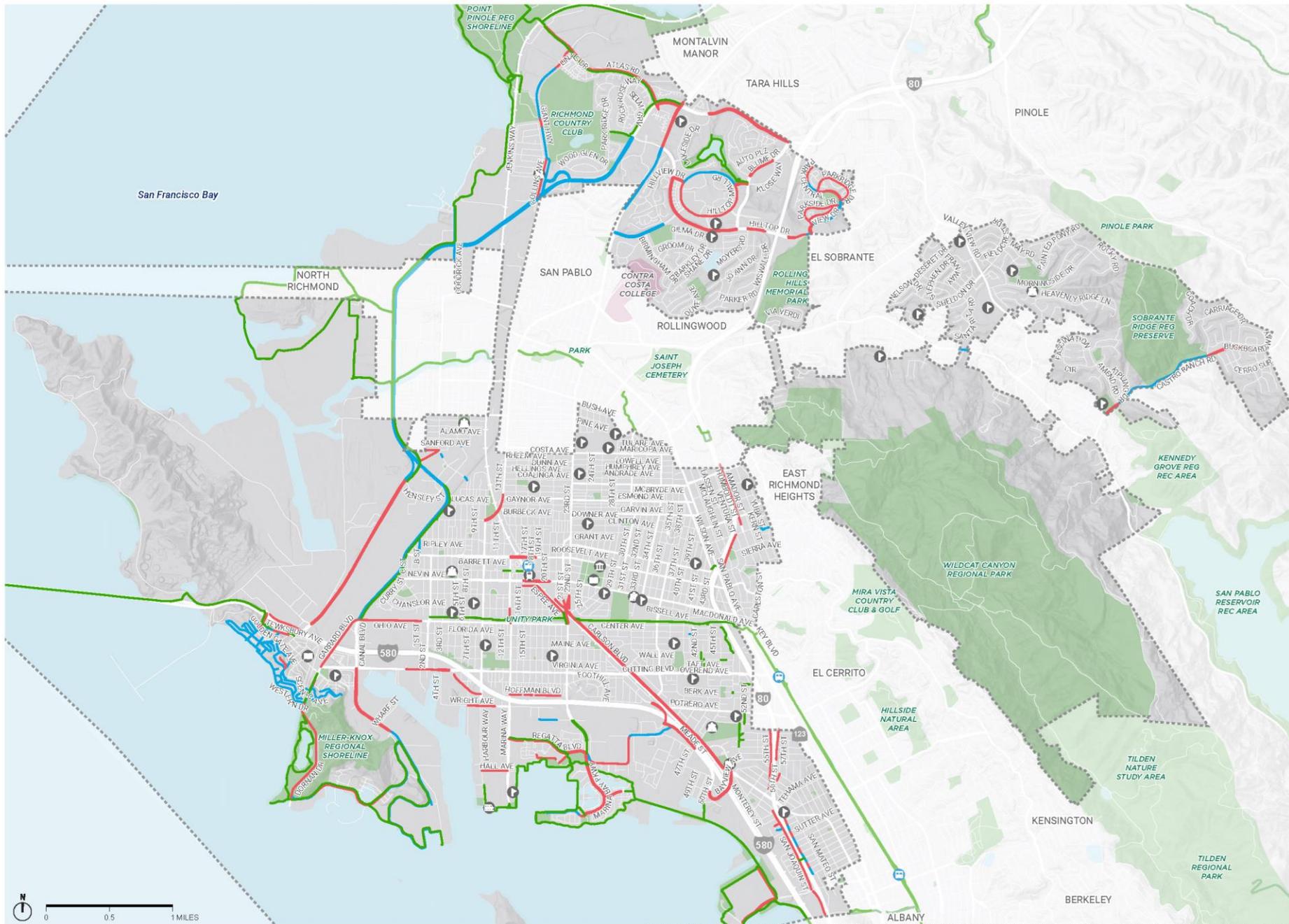
TRAVEL SAFE
RICHMOND

EXISTING PEDESTRIAN NETWORK

- Missing Sidewalk
- Sidewalk (one-side)
- Class I Shared-Use Path

BOUNDARIES + DESTINATIONS

- BART Station
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- Park
- Contra Costa College
- City Boundary



Current Bicycle Network

EXISTING BIKEWAYS

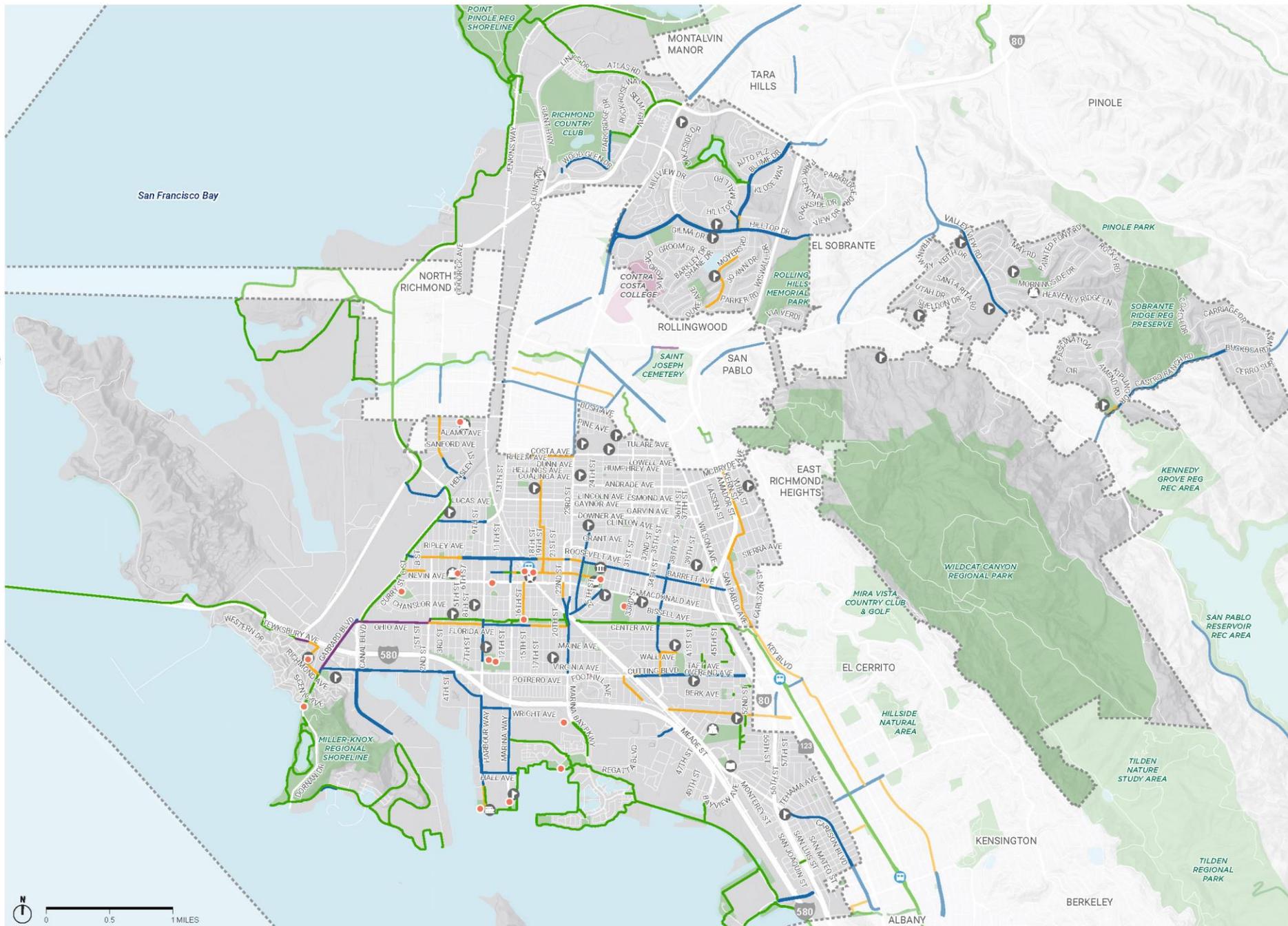
TRAVEL SAFE
RICHMOND

EXISTING BICYCLE FACILITIES

- Bikeshare Hub
- Class I Shared-Use Path
- Class II Bicycle Lane
- Class III Bicycle Route
- Class IV Separated Bikeway

BOUNDARIES + DESTINATIONS

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- City Boundary



Poll 3

How comfortable do you feel walking around your neighborhood?

¿Cuán cómodo se siente caminando por su vecindario?

Very comfortable - Muy cómodo

Comfortable - Cómodo

Neutral/It depends - Neutral/Depende

Uncomfortable- Incómodo

Very uncomfortable - Muy incómodo

Poll 4

How comfortable do you feel bicycling around your neighborhood?

¿Cuán cómodo se siente montando en bicicleta por su vecindario?

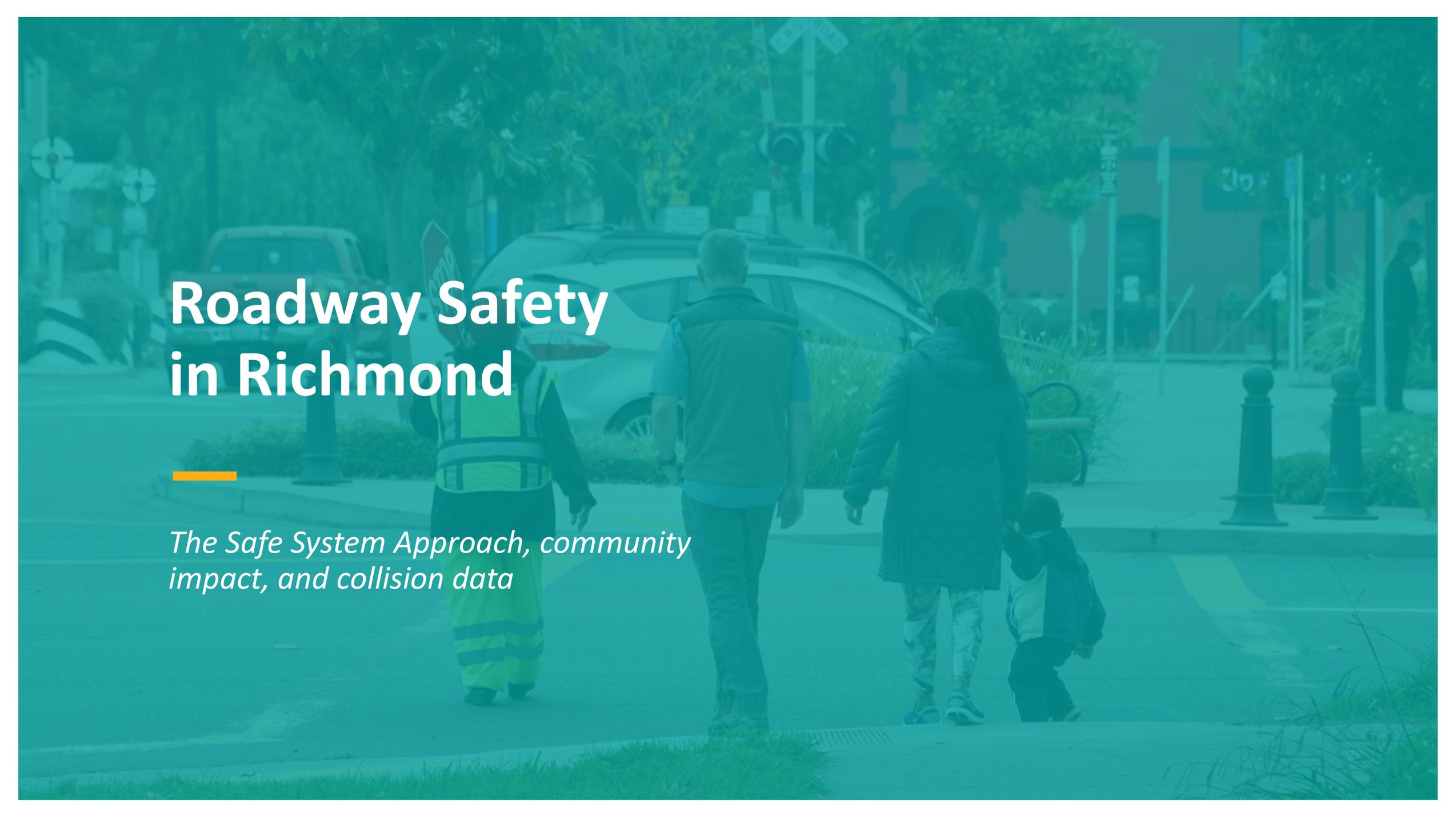
Very comfortable - Muy cómodo

Comfortable - Cómodo

Neutral/It depends - Neutral/Depende

Uncomfortable - Incómodo

Very uncomfortable - Muy incómodo



Roadway Safety in Richmond

*The Safe System Approach, community
impact, and collision data*

Poll 5

🌐 When poll is active, respond at pollev.com/altaplanning107

📱 Text **ALTAPLANNING107** to **22333** once to join

How do you travel in Richmond? (Select all that apply):

¿Cómo se traslada o viaja por Richmond? (seleccione todas las opciones que correspondan)

Walking - Caminar

Rolling (mobility devices like wheelchairs) -
Rodar (Dispositivos de movilidad como sillas de
ruedas)

Bicycling - Andar en bicicleta

Skateboarding, scootering, or rollerblading -
Andar en scooter o patines

Taking the Bus - Tomar el autobús

Taking Amtrak or BART - Tomar Amtrak o BART

Driving - Conducir

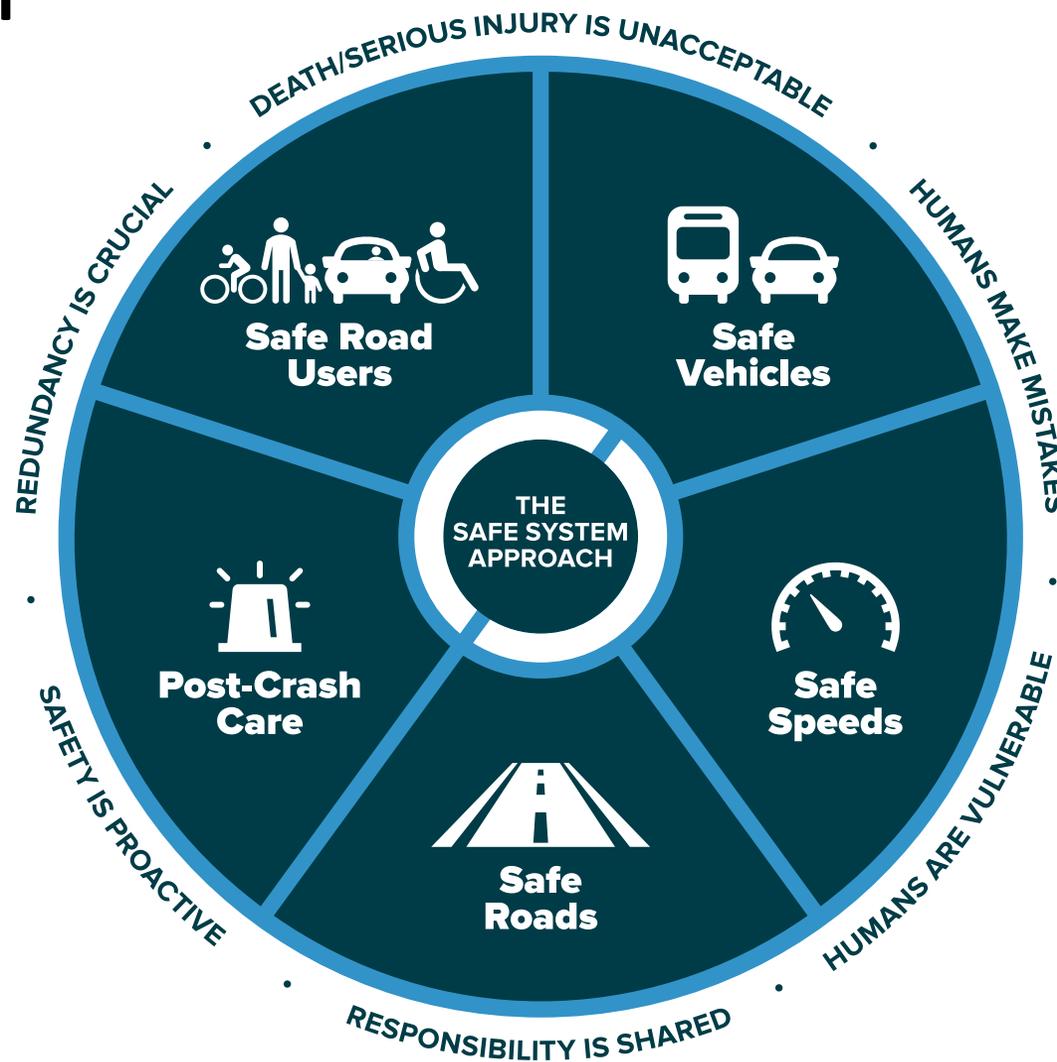
Poll 6

What are your biggest safety concerns when traveling in

Richmond?

¿Cuáles son sus mayores preocupaciones sobre su seguridad cuando viaja por Richmond?

The Safe System Approach



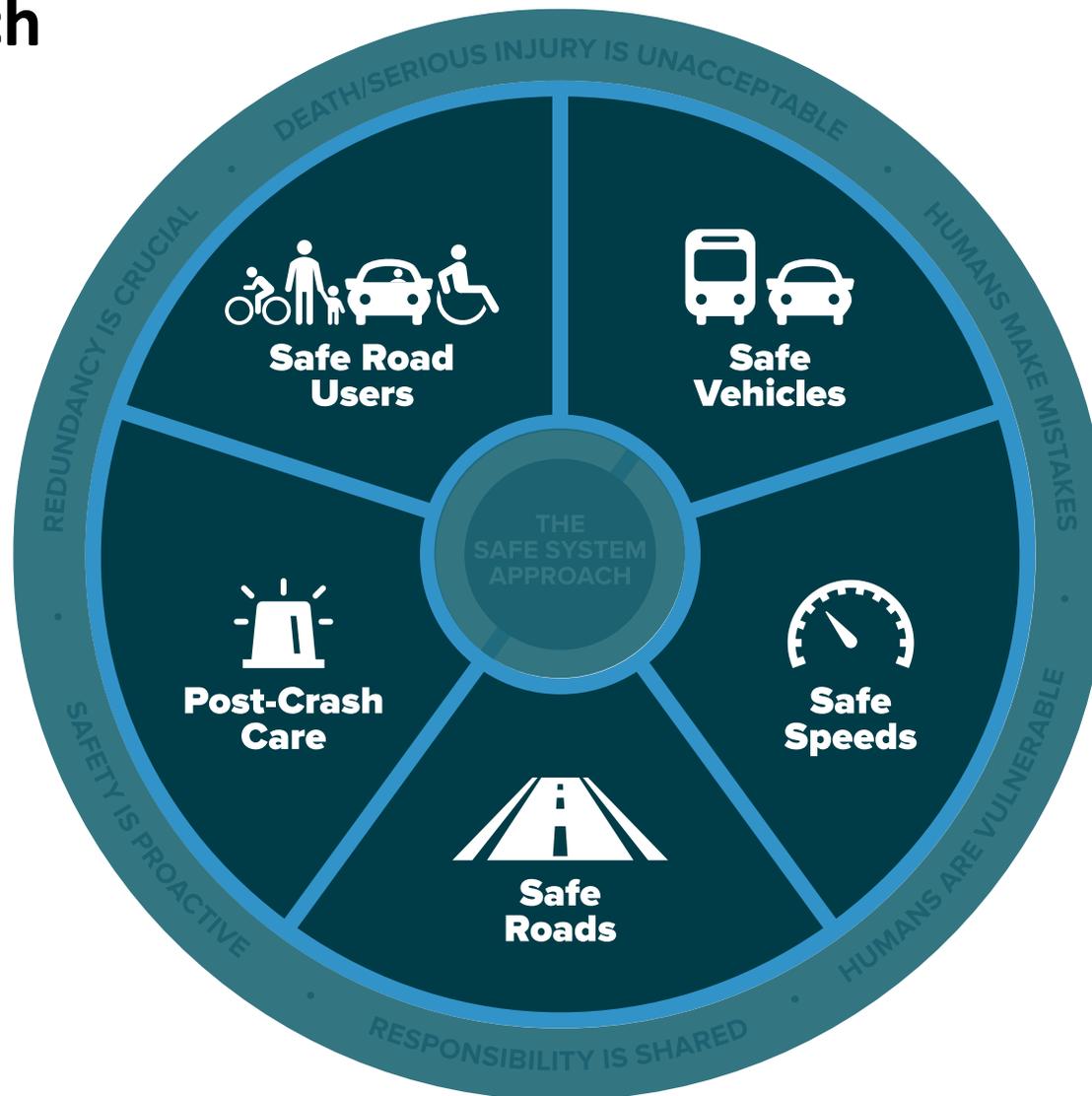
Source: FHWA

The Safe System Approach



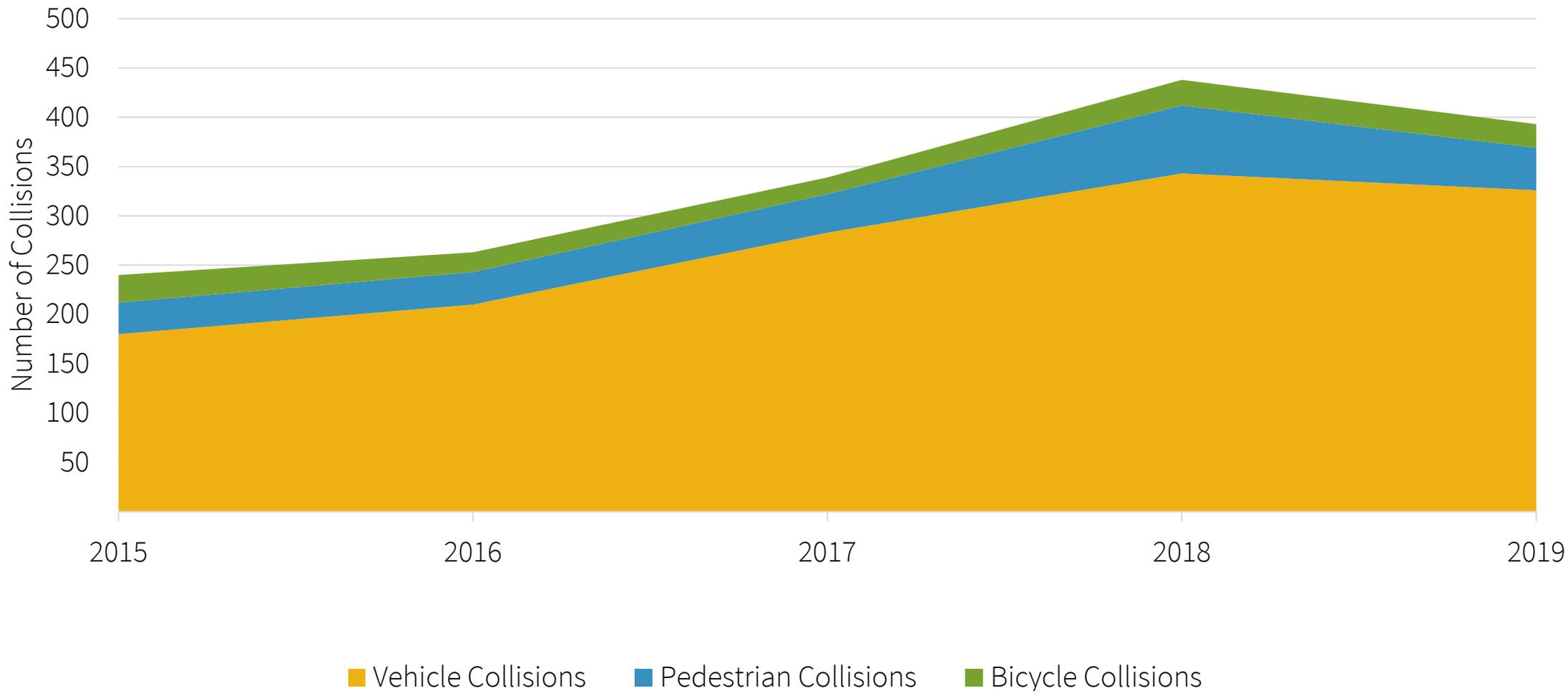
Source: FHWA

The Safe System Approach



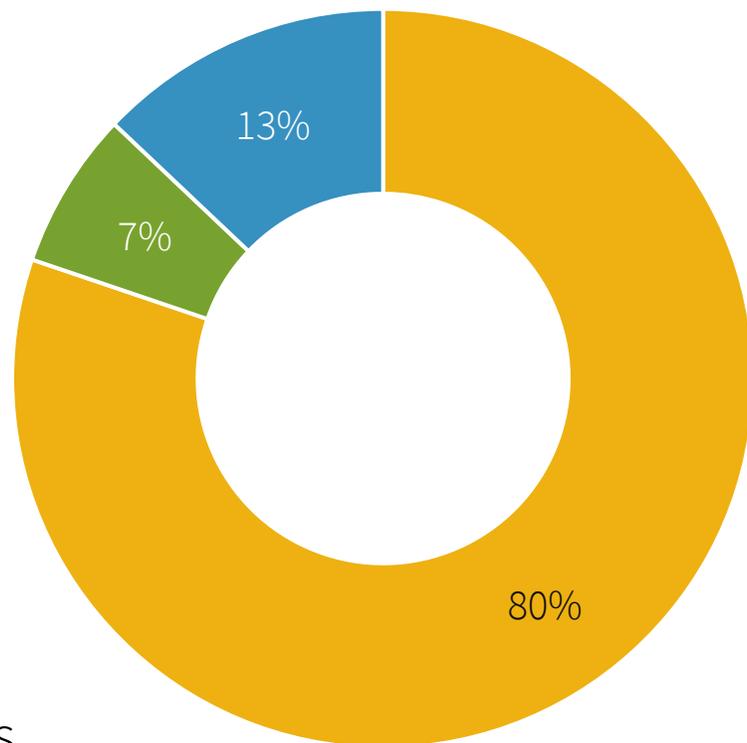
Source: FHWA

Injury Collisions By Year

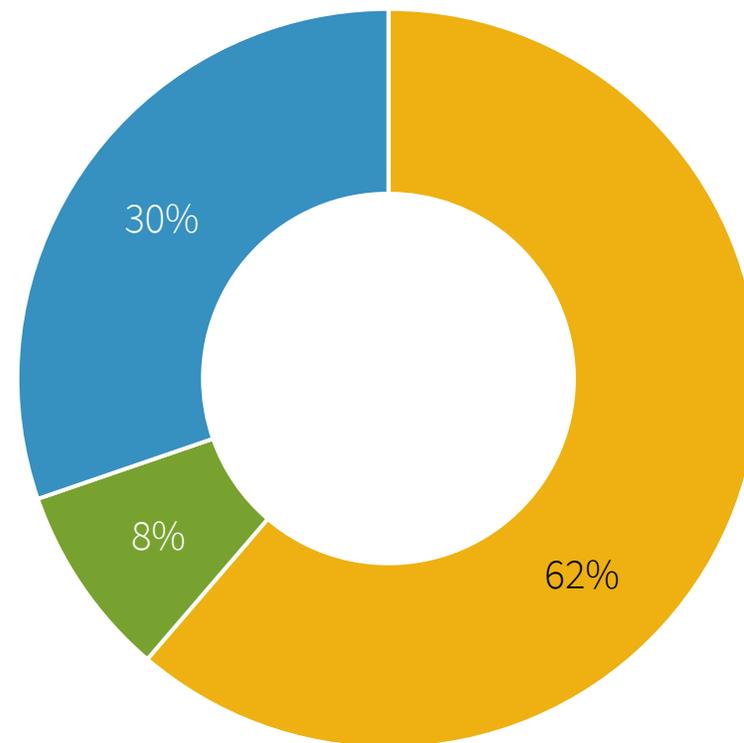


Collisions by Mode (2015-2019)

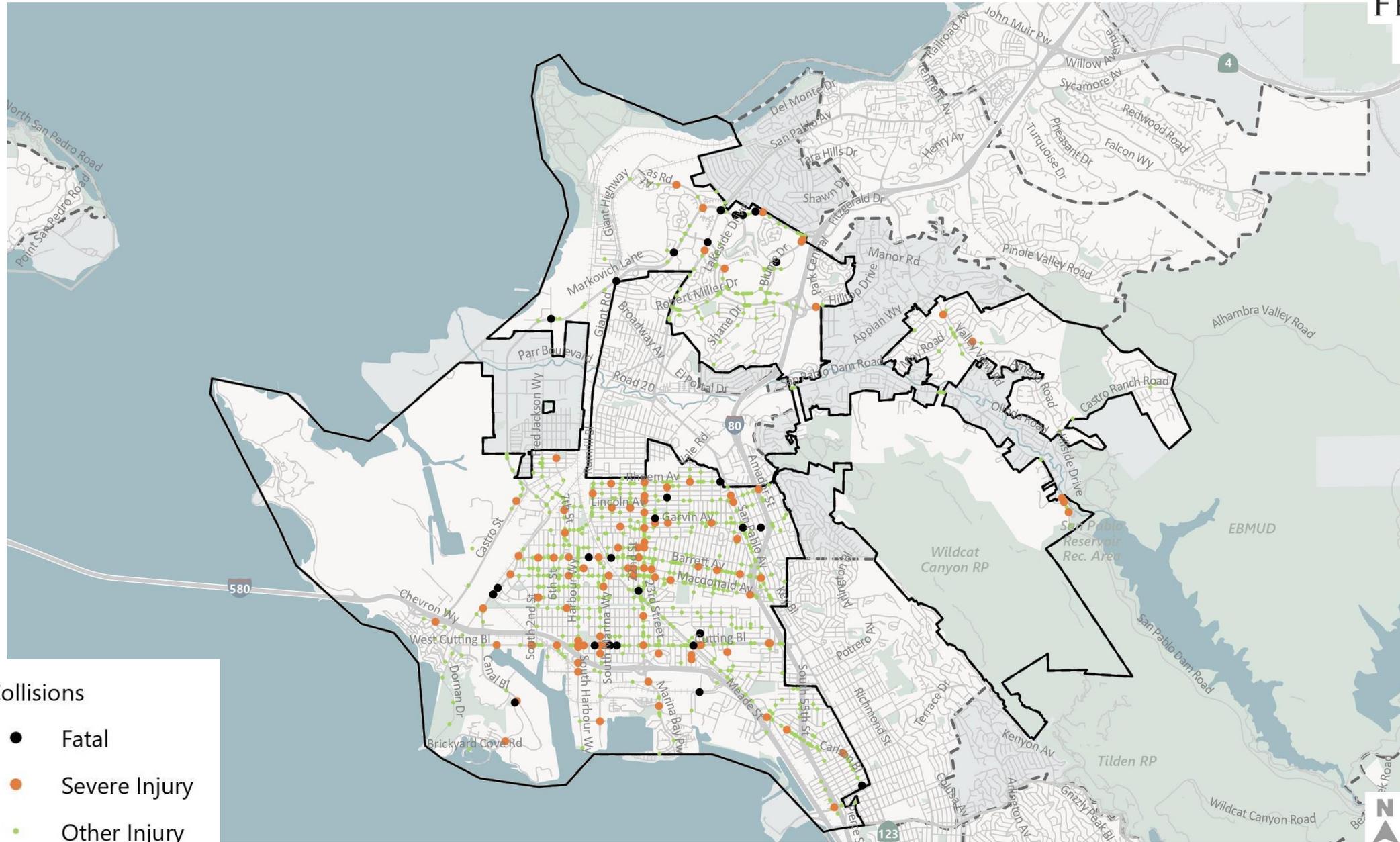
All Injury Collisions



Fatal & Severe Collisions



- Vehicle Collisions
- Bicycle Collisions
- Pedestrian Collisions



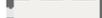
Collisions

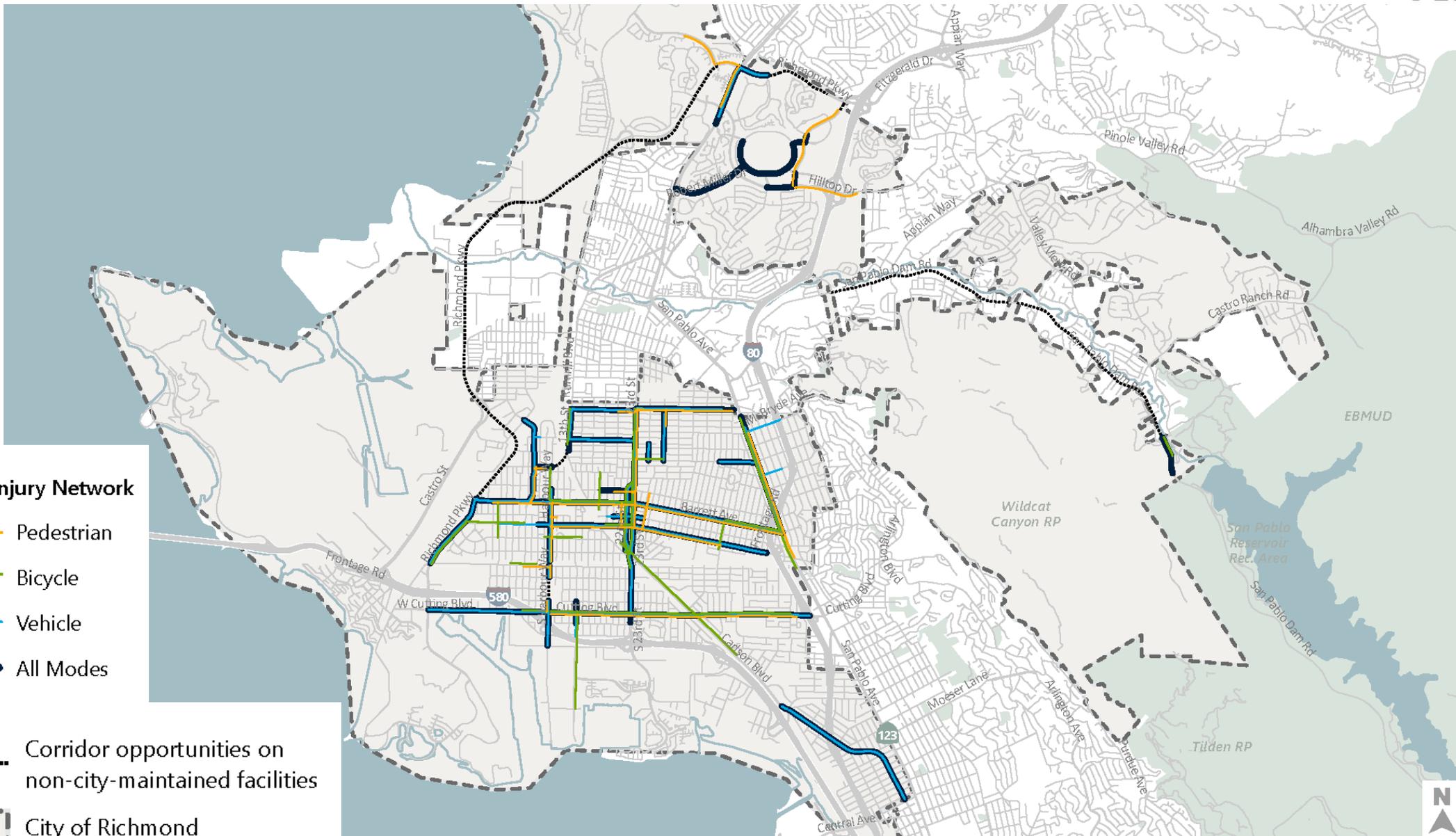
- Fatal
- Severe Injury
- Other Injury

High Injury Network

-  Pedestrian
-  Bicycle
-  Vehicle
-  All Modes

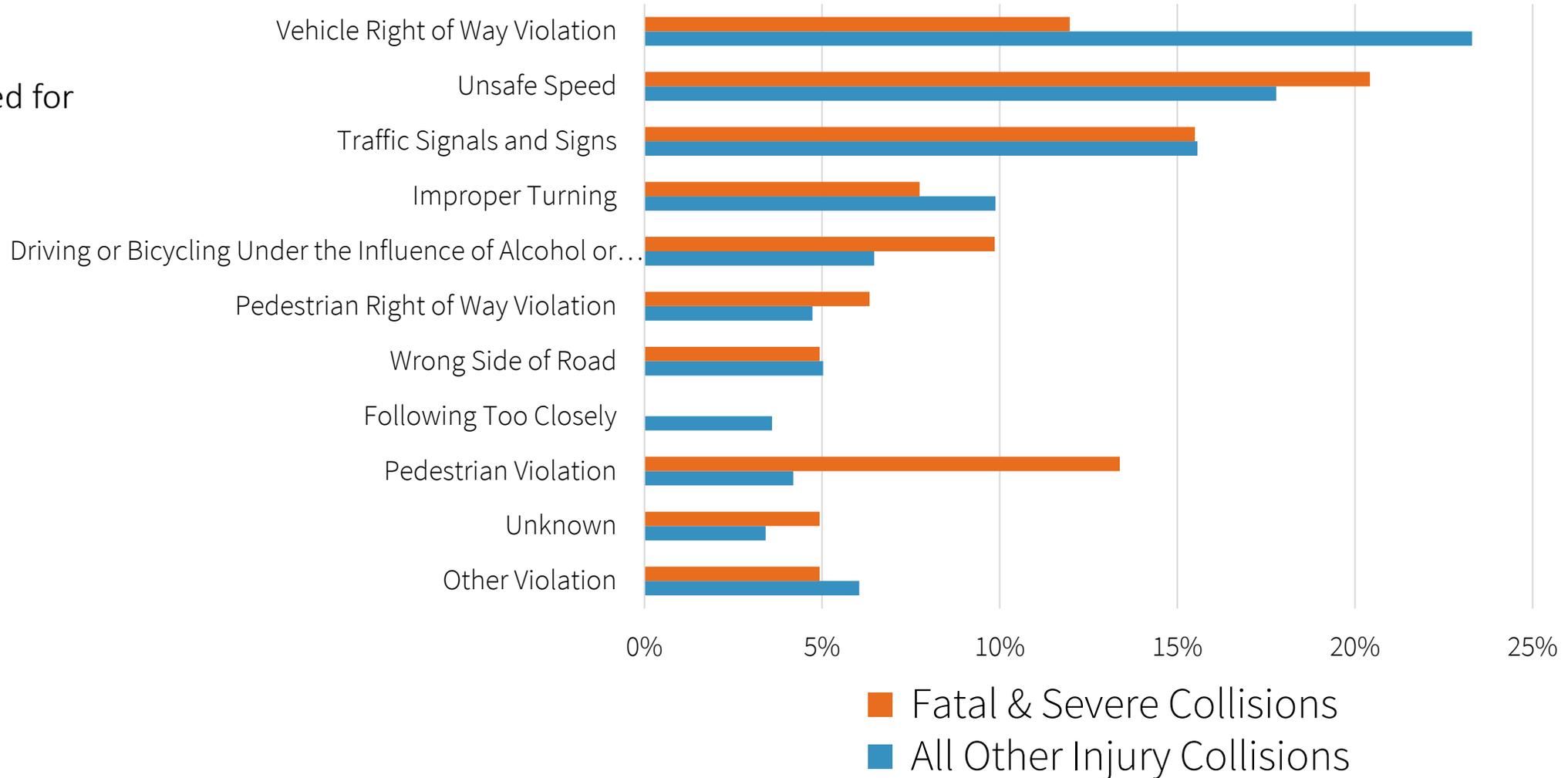
 Corridor opportunities on non-city-maintained facilities

 City of Richmond



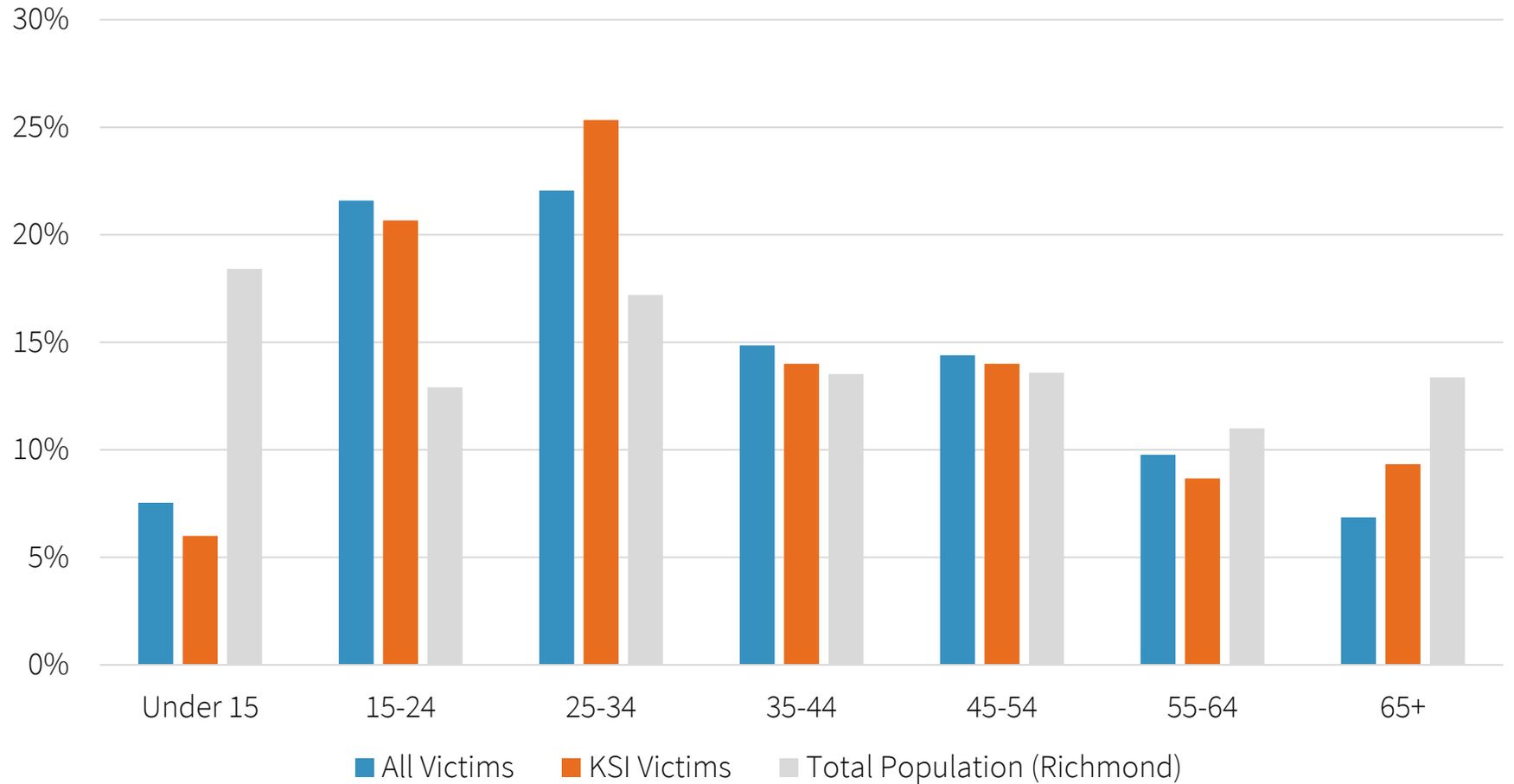
Preliminary Collision Profile

Speed is the Most
Frequent Factor Listed for
Fatal and Severe
Collisions



Preliminary Collision Profile

Fatal and Severe Collisions are Disproportionately Affecting Young Adults



What is a collision profile?

- Group of collisions with similar contributing factors
- Allows us to address collision factors at an actionable scale



What is a countermeasure?

- Strategy to increase roadway safety
- Goal: reduce collision frequency and severity
 - Separate users in time and space
 - Reduce speeds
 - Remove hazards or absorb energy transfer when they cannot be removed



Poll 7

What types of improvements would make you more comfortable traveling in Richmond?

¿Qué tipo de mejoras le harían sentir más cómodo al viajar y transportarse por Richmond?



Safety Vision for Richmond

Vision and goals

Vision Statement

“Traffic safety impacts the **health** and **comfort** of all those who live and travel in the City of Richmond. The implementation of this plan is a step towards making the transportation system **safer** and more **equitable** for users of all transportation modes.”

Poll 8

**What words come to mind when you think of your vision for
the future of traveling in Richmond?**

¿Cual es su visión sobre el futuro viajar y transportarse por Richmond?

Goals

Reducing Collisions	<i>Reduce fatal and serious injury collisions, particularly those involving people walking and biking.</i>
Equity	<i>Ensure equitable traffic safety investments in neighborhoods needing them most.</i>
Crossings	<i>Enhance roadway crossings, especially near schools and other high pedestrian activity areas, to promote and support safe travel for people walking and biking.</i>
Nighttime Visibility	<i>Improve the visibility of roadway and sidewalk users traveling at night.</i>
Safe Speeds, DUI Prevention	<i>Encourage safe driving practices (such as driving at lower speeds, obeying railroad crossing controls, and avoiding driving under the influence) through roadway design and outreach.</i>
Climate Resiliency	<i>Invest in the next generation of people in Richmond through climate-resilient transportation safety infrastructure, particularly near schools and in neighborhoods.</i>
Post-Crash Care	<i>Improve post-crash care through increased multi-jurisdictional collaboration and appropriate emergency vehicle access.</i>

Poll 9

How should the City prioritize the goals of Travel Safe Richmond?

¿Cómo debe la Ciudad priorizar los objetivos de Travel Safe Richmond?

Reducing collisions - Reducción de choques

Equity - Equidad

Roadway crossings - Cruces de carreteras

Nighttime visibility - Visibilidad nocturna

Safe speeds, DUI prevention - Velocidades seguras/
Prevención de manejar en estado de ebriedad

Climate resiliency - Resiliencia climática

Post-crash care - Cuidado posterior a un choque

Questions and Discussion



Next Steps

Timeline and future engagement opportunities

Future Engagement Opportunities

Project Website

Visit for project updates, upcoming events, and more

www.TravelSafeRichmond.org



Source: City of Richmond

thank you!