



CITY OF
Richmond CALIFORNIA



METROPOLITAN
TRANSPORTATION
COMMISSION

alta

Travel Safe Richmond

Bicycle and Pedestrian Action Plan

Community Workshop 3

November 9, 2022

Agenda

- Introductions and Logistics
- Project Overview
- Community Engagement
- Walking and Bicycling Project Recommendations
- Project Prioritization
- Draft Plan and Interactive PDF Comment Tool Demonstration
- Questions/Discussion
- Next Steps

Project Team Introductions



Lina Velasco



Patrick Phelan



Denee Evans



Lydia Elias



Mauricio Hernández



Ben Frazier

Welcome

Thank you for being here!

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

Connect with us via:

Web - [Interactive Draft Plan Comment Tool](#)

www.TravelSafeRichmond.org

Email

Lydia Elias

Planner I

travelsafe@ci.richmond.ca.us

Plan Review

The draft Plan is now available for your input! Click here to review and comment. Act fast! The comment period closes on November 13th!

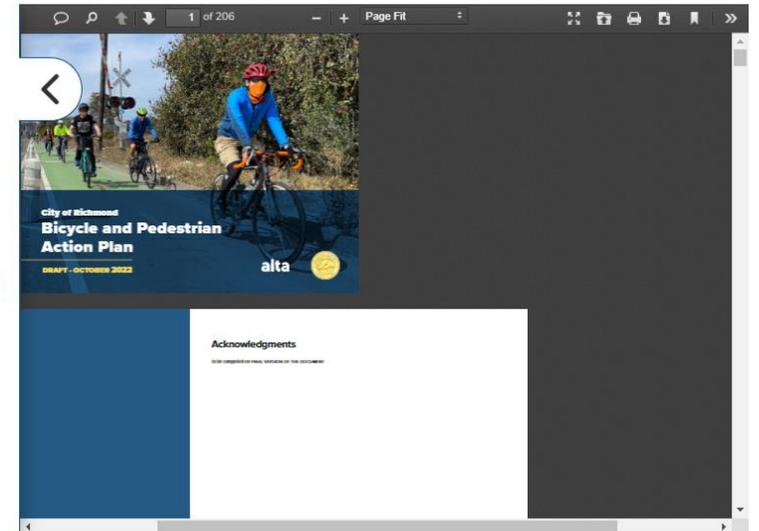
LAUNCH IN NEW WINDOW

English Español

City of Richmond

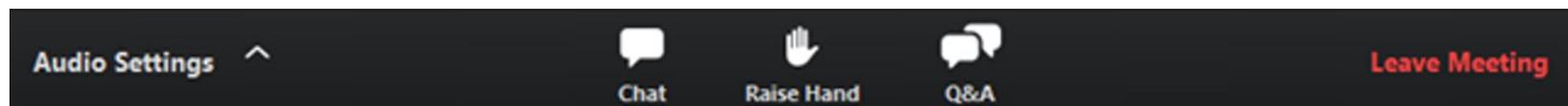
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Get Started



Using Zoom

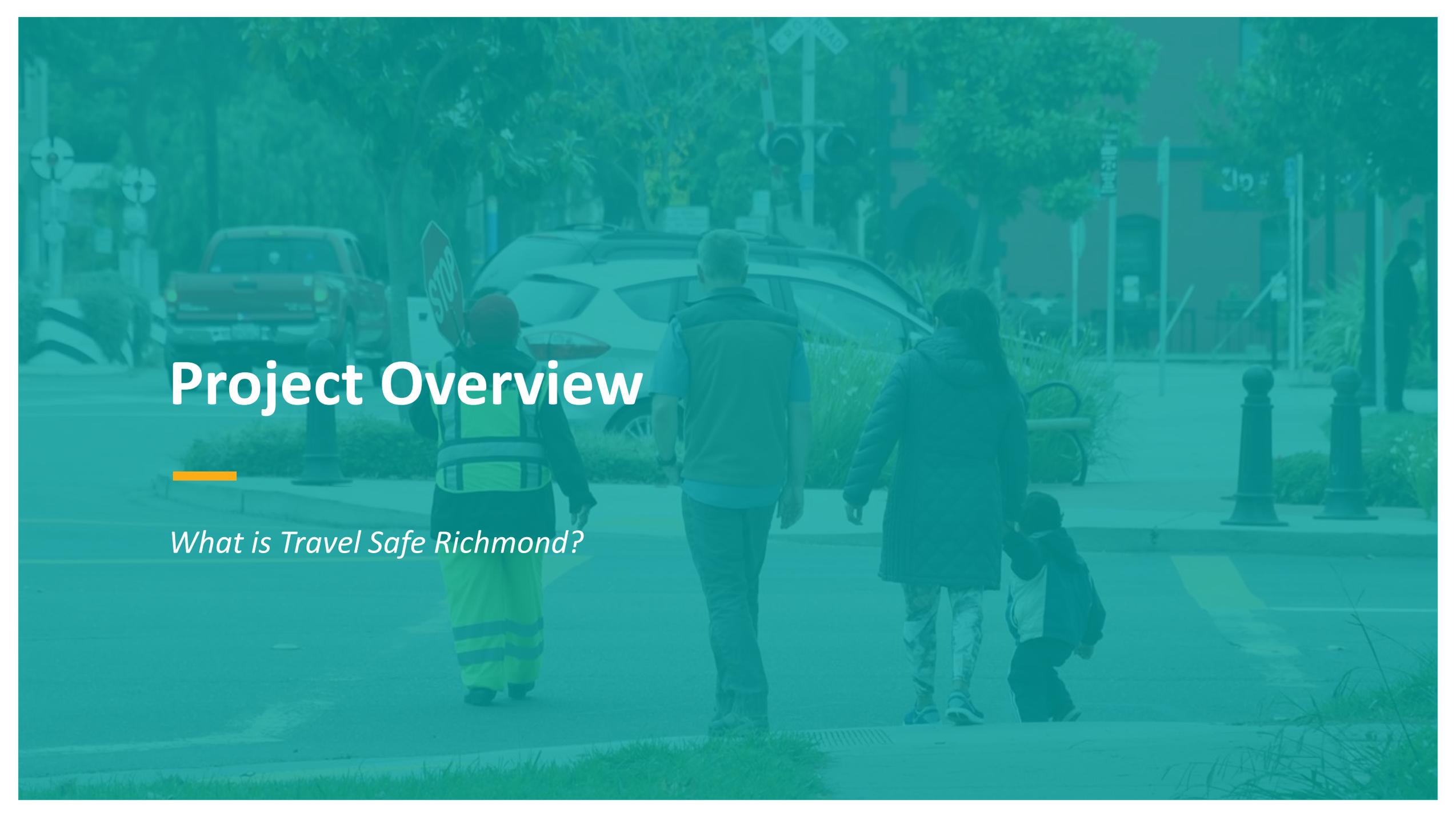
- When participating, please change your display name
 - Click the participants tab at the bottom, hover over your current name and click “More” then “Rename.” (First name and last initial is okay)
- Type questions and comments in the Q&A window.
- Raise your hand to speak during Q&A Sessions.
- This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



Zoom Poll 1

What ZIP code do you live in?

- 94530
- 94801
- 94803
- 94804
- 94805
- 94806
- Outside of 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
 - Adopted by City Council on July 19, 2022
- Bicycle and Pedestrian Action Plan



Richmond Wellness Trail

Bike and Pedestrian Action Plan

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

-Update and consolidate the
2012 Bicycle and Pedestrian
Master Plans



Project Timeline

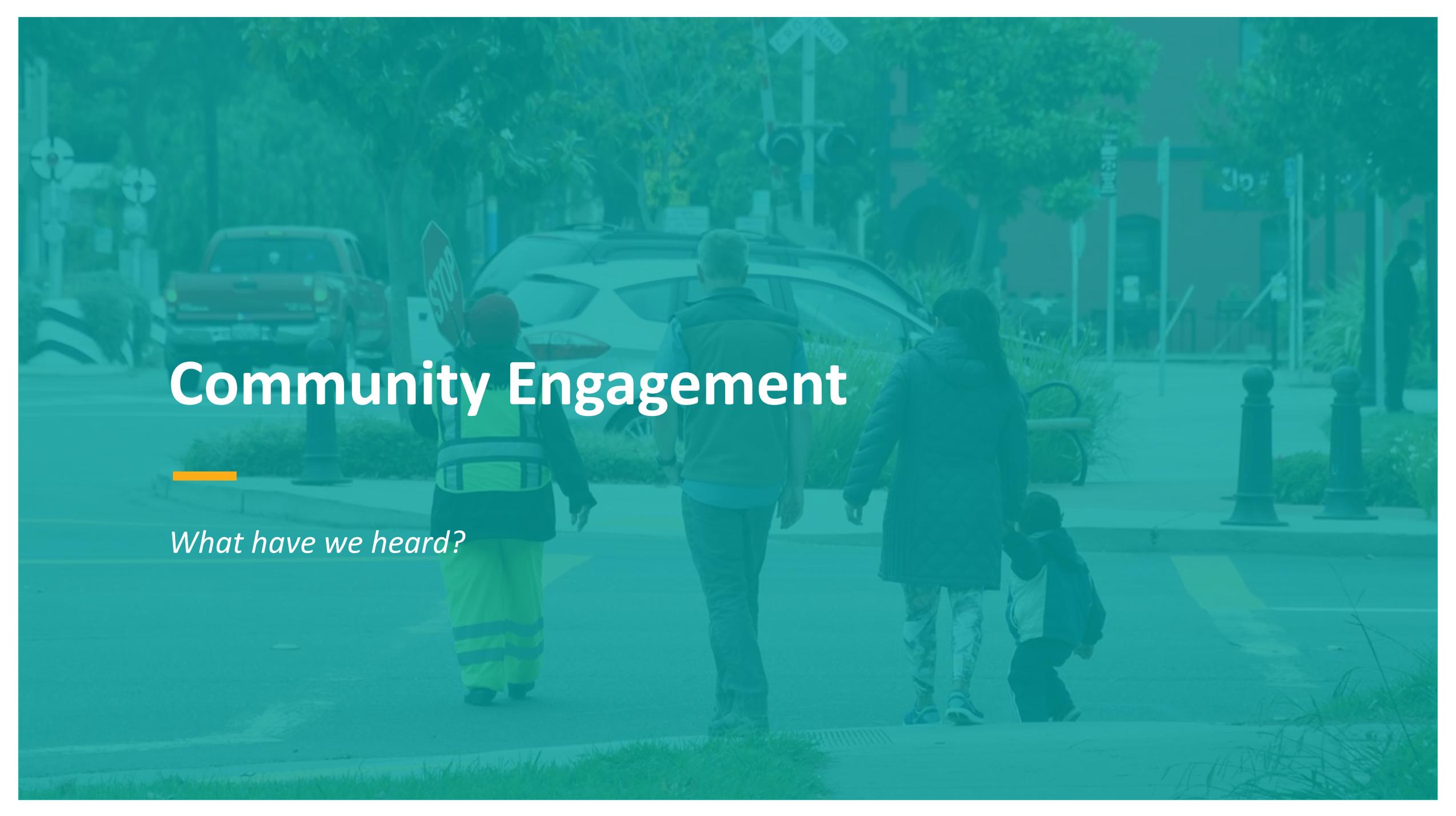
- Plan Review
- Existing Facilities
- Health and Equity Analysis

- Funding and Implementation Recommendations
- Infrastructure Recommendations
- Community Engagement

- Workshop #3 (Tonight!)
- City Council Sessions



- Collision Assessment
- Safety Countermeasures
- Community Engagement



Community Engagement

What have we heard?

Community Engagement



Community workshops



Stakeholder meetings



Interactive Webmap



Neighborhood Council Meetings



Draft Plan review

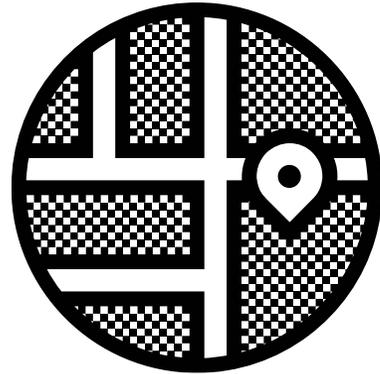


Community Engagement Summary Themes

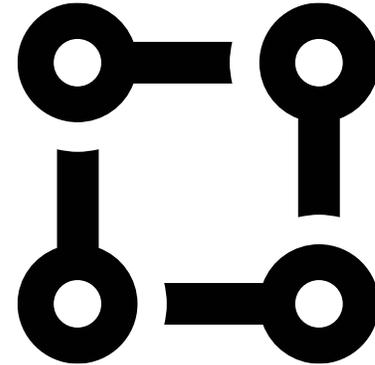
SAFETY



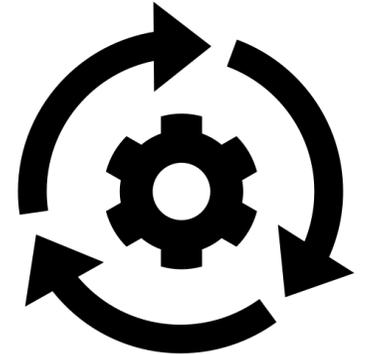
IMPROVED ACCESS
TO COMMUNITY
DESTINATIONS



CONNECTIVITY



IMPLEMENTATION
& MAINTENANCE



Zoom Poll 2

Rank the four themes in order of importance to you (1 is your highest priority, and 4 is your lowest priority):

- Safety
- Improved access to community destinations
- Connectivity
- Implementation and maintenance



Walking and Bicycling Project Recommendations

Recommendation Development

- Existing Plans and Policies
- Community Engagement
- Health and Equity Analysis
- Local Road Safety Plan
- Partner Agencies – Facilities and Recommendations
- City Planned Projects

Bicycle Facility Types



Class III - Bicycle Route



Class II- Bicycle Lane

Low Stress Facilities



Class IV - Separated Bike Lane



Class IIIB - Bicycle Boulevard



Class IIB - Buffered Bicycle Lane



Class I - Shared-Use Path

Proposed Bicycle Improvements

BIKEWAY CLASSIFICATION	EXISTING (MI)	PROPOSED (MI)	TOTAL (MI)
Class I - Shared-use Path	49.9	10.2	63.9
Class II - Bicycle Lane	40.7	14.0	49.3
Class IIB - Buffered Bicycle Lane	6.1	0.9	6.5
Class III - Bicycle Route	10.1	7.1	7.2
Class IIIB - Bicycle Boulevard	3.4	31.5	41.8
Class IV - Separated Bikeway	3.9	20.6	24.7
Total	114.1	84.3	189.6

Note: Total miles account for 11.6 miles of upgraded facilities.

Proposed Bicycle Improvements

PROPOSED BIKEWAYS TRAVEL SAFE RICHMOND

PROPOSED BICYCLE FACILITIES

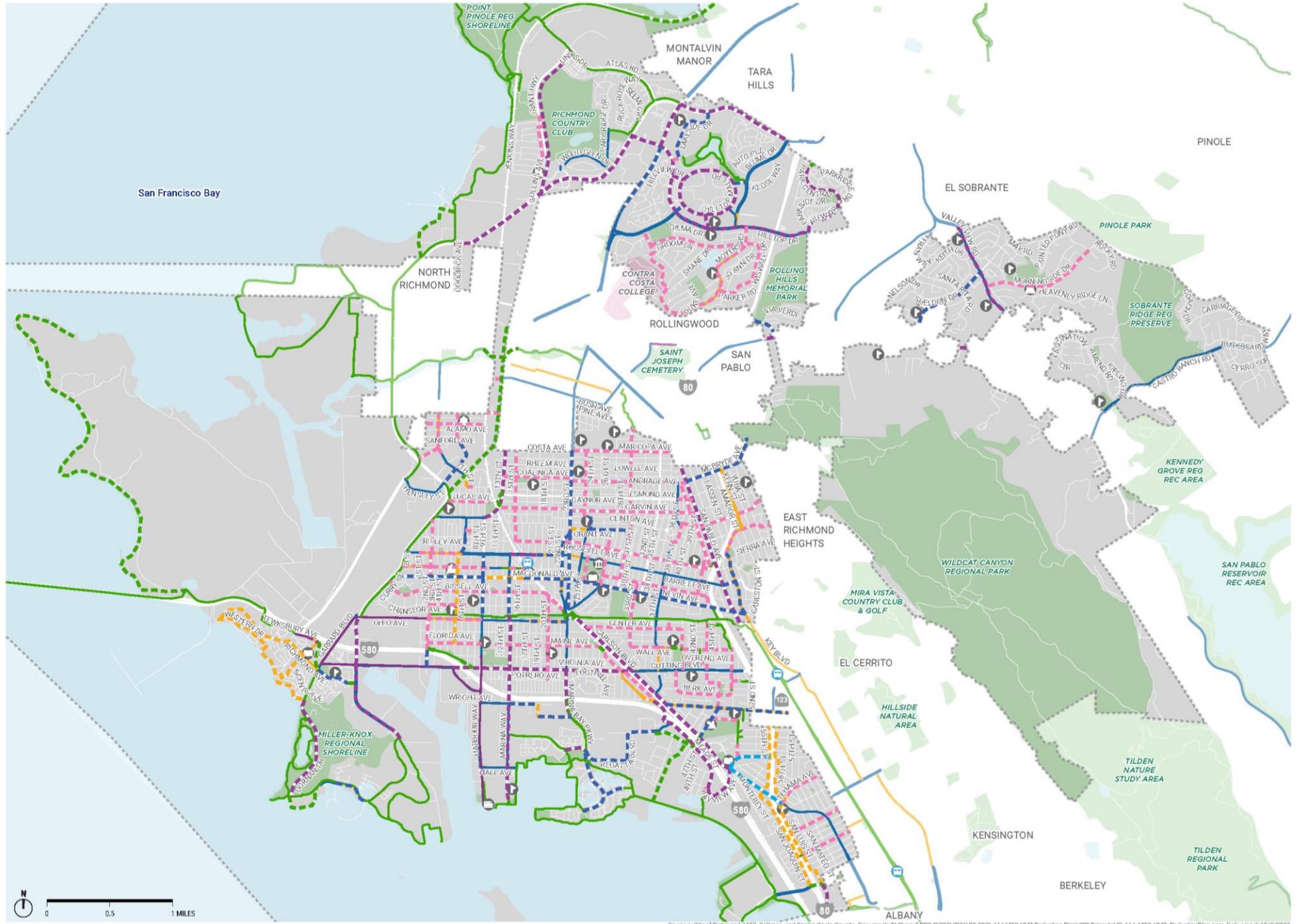
- Class I Shared-Use Path
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- Class IIB Buffered Bicycle Lane
- Class III Bicycle Route
- Class IIIB Bicycle Boulevard
- Class IV Separated Bikeway

EXISTING BICYCLE FACILITIES

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

BOUNDARIES + DESTINATIONS

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



Sources: City of Richmond, MTC, Caltrans, and Contra Costa County. Document: Z:\Shared\PROJECTS\2021\00-2021-114 MTC VMT Reduction Plan\GIS\Projects\21-114_MTC_VMT_ReductionPlan.aprx. Date saved: 10/3/2022.

PROPOSED BIKEWAYS
CENTRAL CORE
TRAVEL SAFE
RICHMOND

PROPOSED BICYCLE FACILITIES

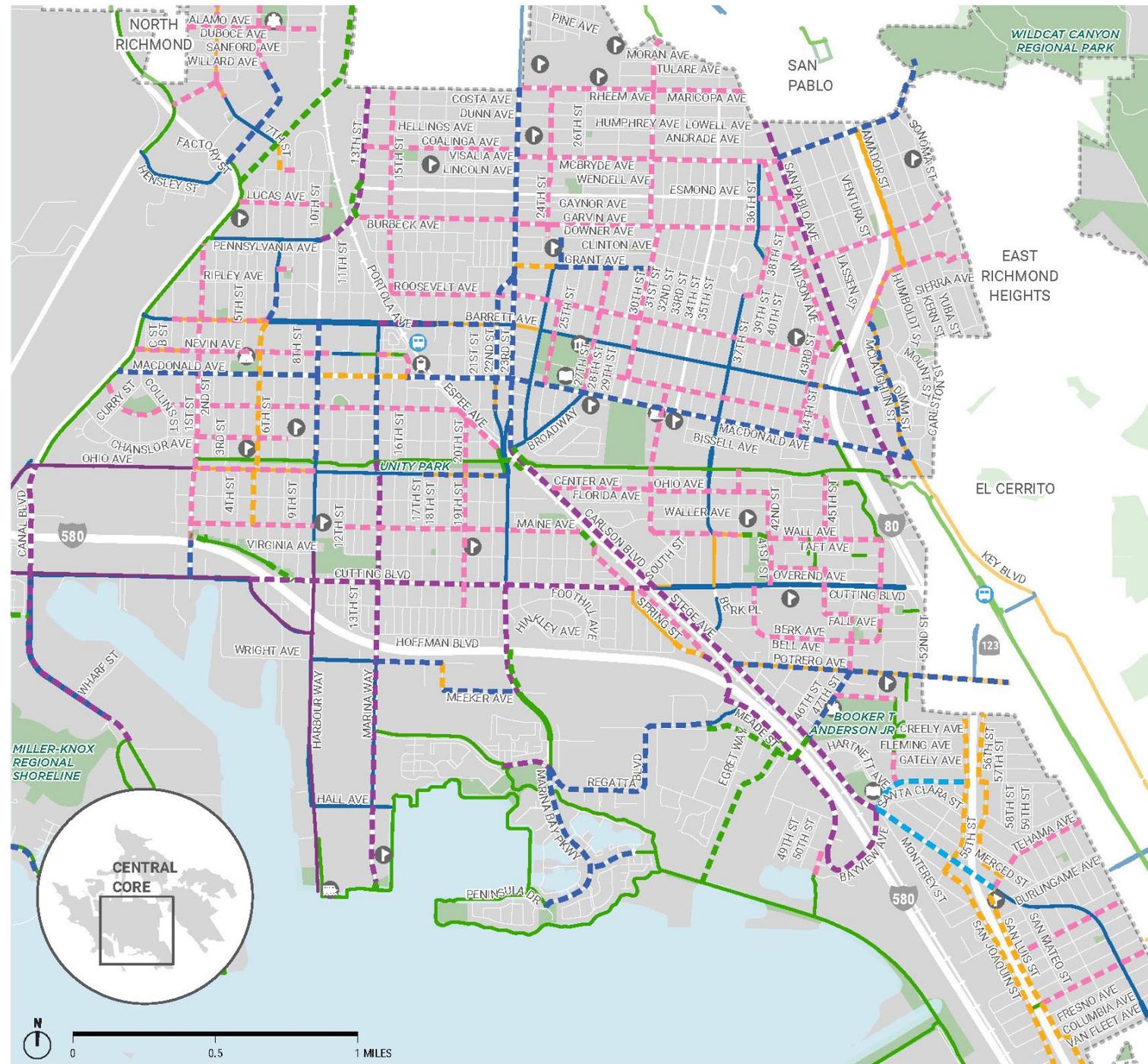
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Proposed Bicycle Improvements (CENTRAL)

PROPOSED BIKEWAYS

TRAVEL SAFE RICHMOND

PROPOSED BICYCLE FACILITIES

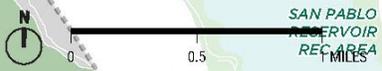
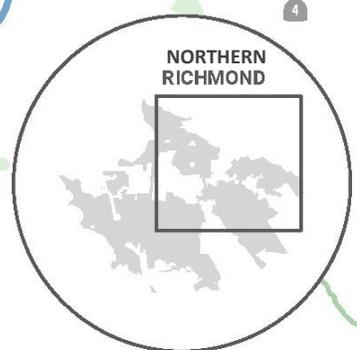
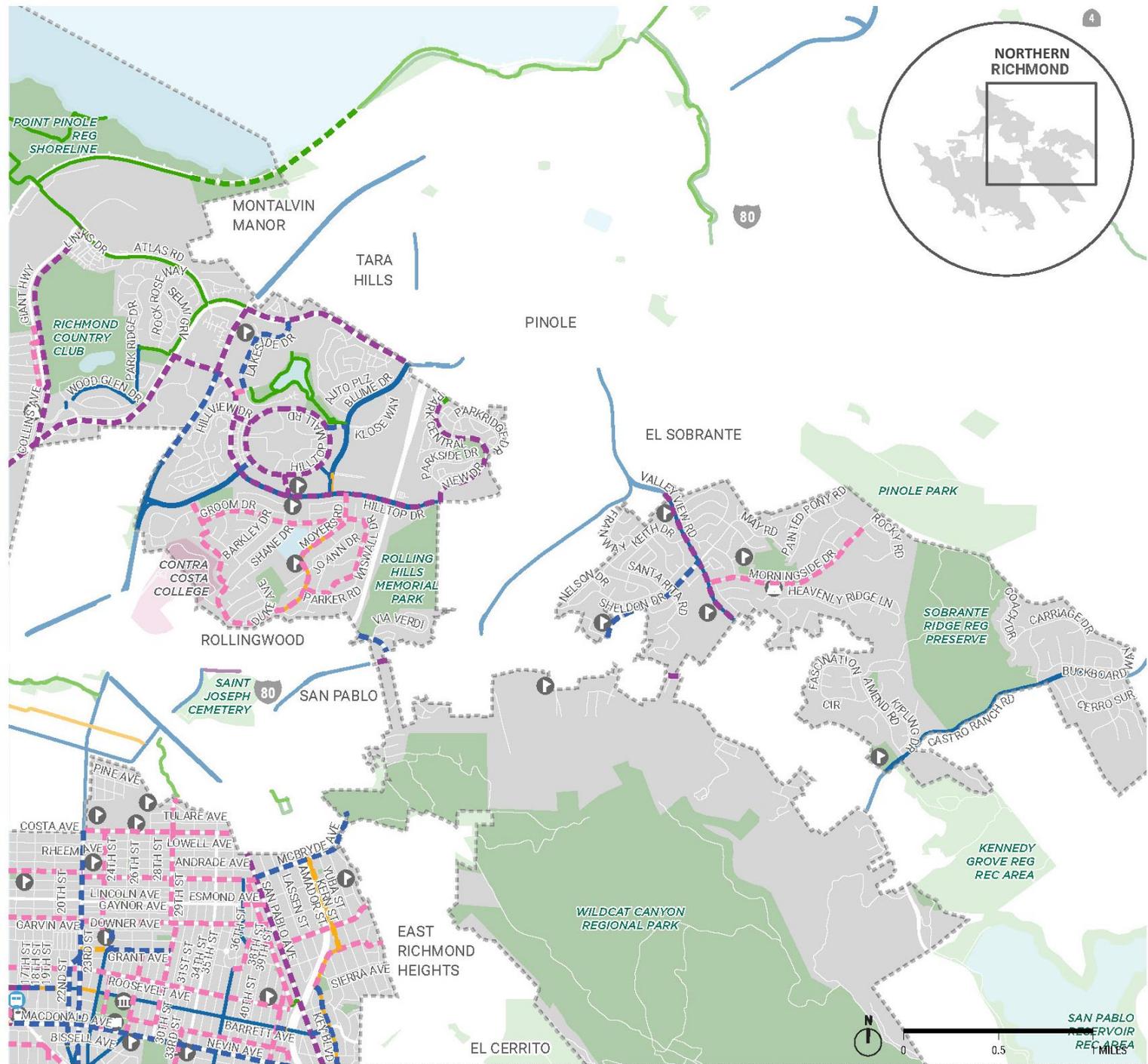
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Proposed Bicycle Improvements (NORTHERN)

Proposed Bikeways Cont'd.

Table 01 High-Priority Bicycle Improvement Projects (corridor).

STREET	START	END	RECOMMENDED FACILITY	MILES	PRIORITIZATION SCORE
Carlson Blvd	Richmond Greenway	Broadway	Class I - Shared-Use Path	0.07	81
23rd St Overcrossing	Richmond Greenway	Richmond Greenway	Class I - Shared-Use Path	0.11	80
Central Ave	Jacuzzi St	Pierce St	Class I - Shared-Use Path	0.10	79
16th St	Macdonald Ave	Livingston Ln	Class IV - Separated Bikeway	0.01	77
16th St	Nevin Plaza	Richmond Greenway	Class IIIB - Bicycle Boulevard	0.08	77
Harbour Way	Richmond Greenway	Macdonald Ave	Class II - Bicycle Lane	0.31	77
Macdonald Ave	Harbour Way	16th St	Class III - Bicycle Route	0.32	77
Nevin Ave	Marina Way	15th St	Class IIIB - Bicycle Boulevard	0.05	76
23rd St	Broadway	Brooks Ave	Class II - Bicycle Lane	0.61	75
Espee Ave	Bisell Ave	Trail south of Chanslor Ave	Class IIIB - Bicycle Boulevard	0.19	75
Marina Way	Macdonald Ave	Richmond Greenway	Class II - Bicycle Lane	0.30	75
Pierce St	Central Ave	Cerrito Creek	Class IV - Separated Bikeway	0.23	75
S 49th St	Wall Ave	Cutting Blvd	Class IIIB - Bicycle Boulevard	0.17	75
Carlson Blvd	Bayview Ave	Broadway	Class IV - Separated Bikeway	1.81	73
Barrett Ave	19th St	Marina Way	Class IV - Separated Bikeway	0.21	72
Bayview Ave	Seaport Ave	S 55th St	Class IIB - Buffered Bicycle Lane	0.36	72
Carlson Blvd	Bayview Ave	Tehama Ave	Class IIB - Buffered Bicycle Lane	0.49	72
Ohio Ave	Harbour Way	2nd St	Class IIIB - Bicycle Boulevard	0.42	72
Plaza Way	S 49th St	S 50th St	Class IIIB - Bicycle Boulevard	0.05	72
Barrett Ave	19th St	22nd St	Class II - Bicycle Lane	0.20	71

Proposed Pedestrian Improvements



Sidewalk



Crosswalk



Rectangular Rapid Flashing Beacon



Curb Extension



Leading Pedestrian Interval



Pedestrian-Hybrid Beacon

Proposed Pedestrian Spot Improvements

PROPOSED PEDESTRIAN SPOT IMPROVEMENTS

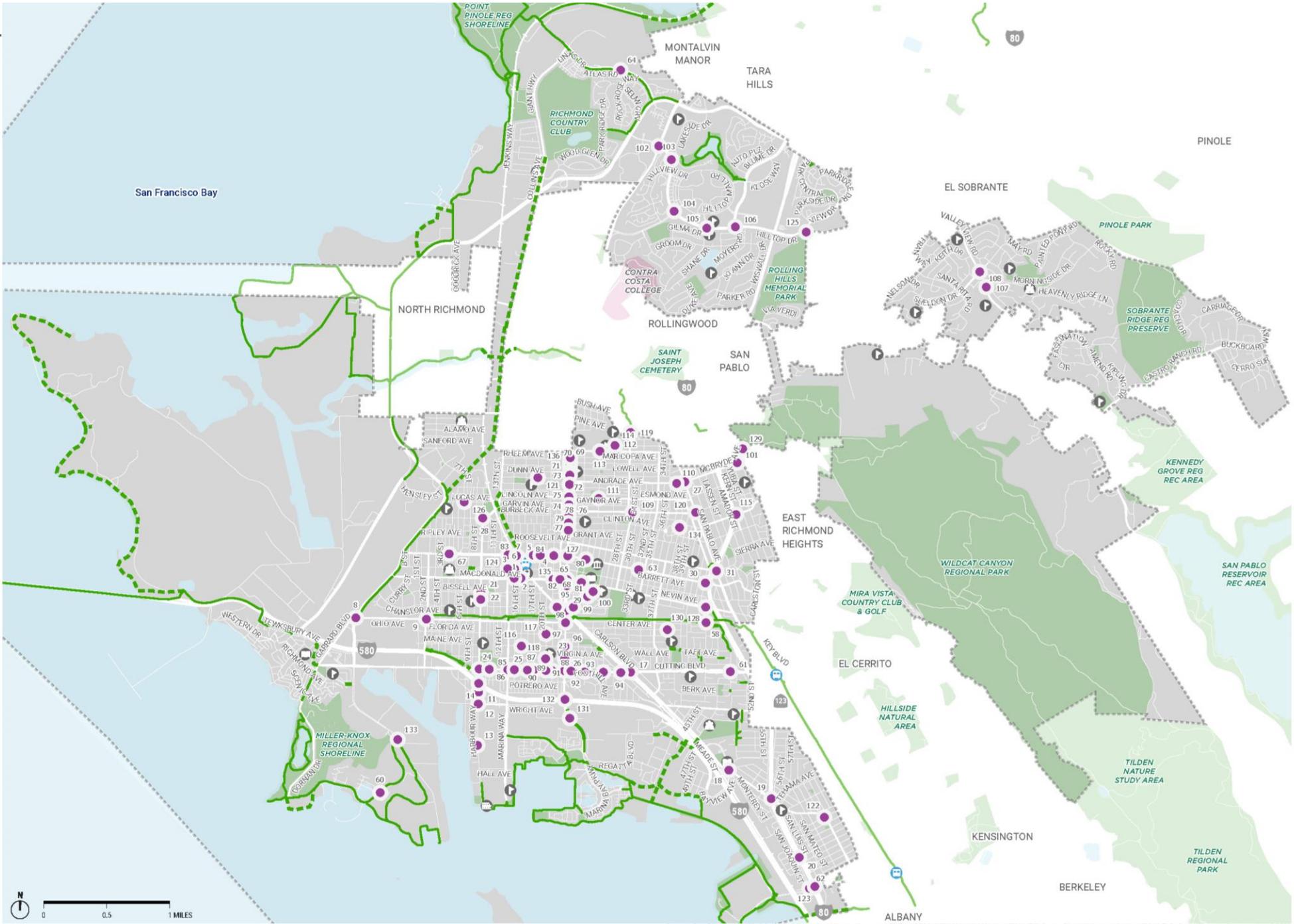
TRAVEL SAFE RICHMOND

PROPOSED PEDESTRIAN PROJECTS

- Spot Improvement
- - - Class I Shared-Use Path

BOUNDARIES + DESTINATIONS

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PROPOSED PEDESTRIAN SPOT IMPROVEMENTS
CENTRAL CORE

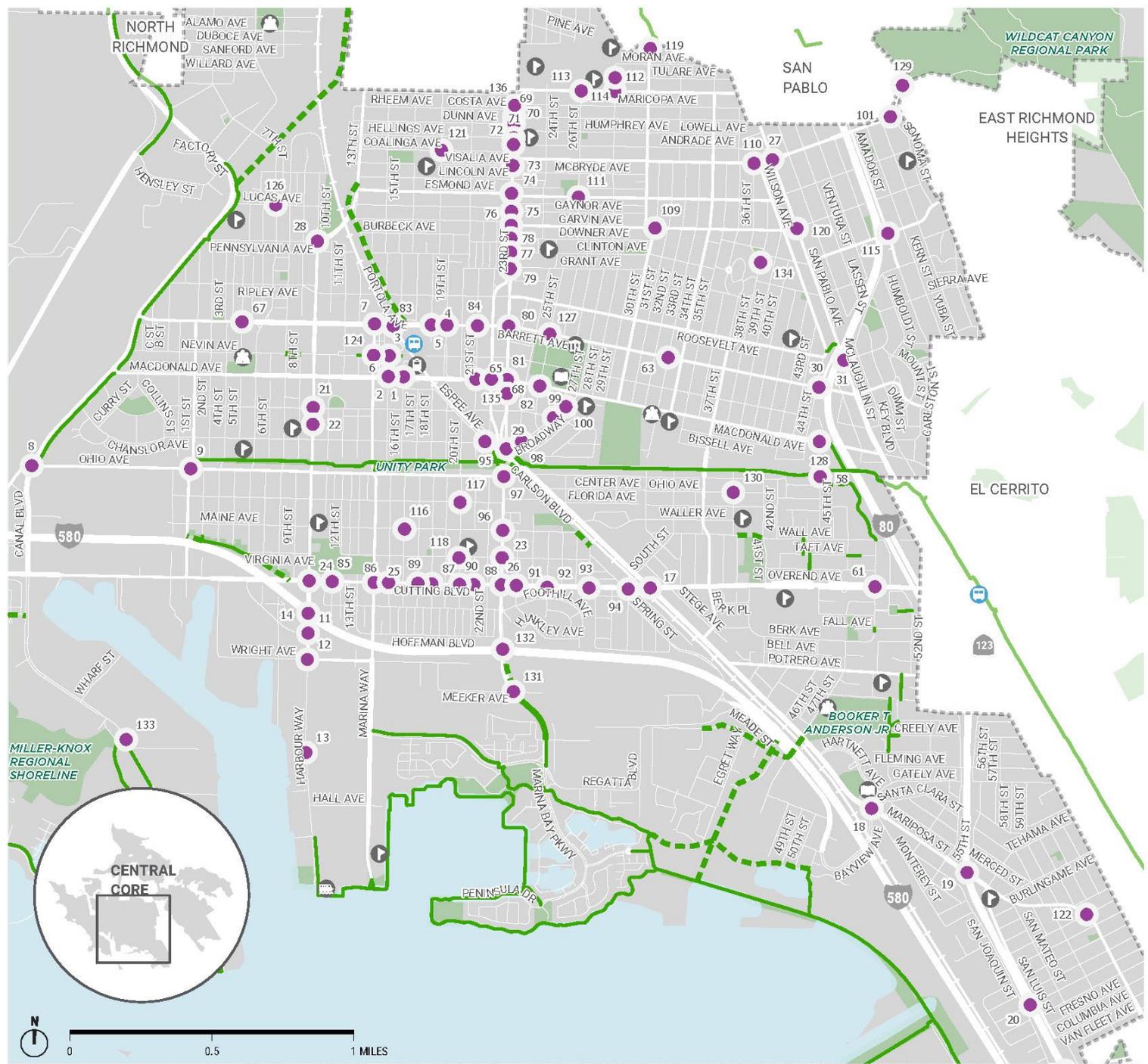
TRAVEL SAFE RICHMOND

PROPOSED PEDESTRIAN PROJECTS

- Spot Improvement
- Class I Shared-Use Path

BOUNDARIES + DESTINATIONS

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Proposed Pedestrian Spot Improvements (CENTRAL)

PROPOSED PEDESTRIAN SPOT IMPROVEMENTS

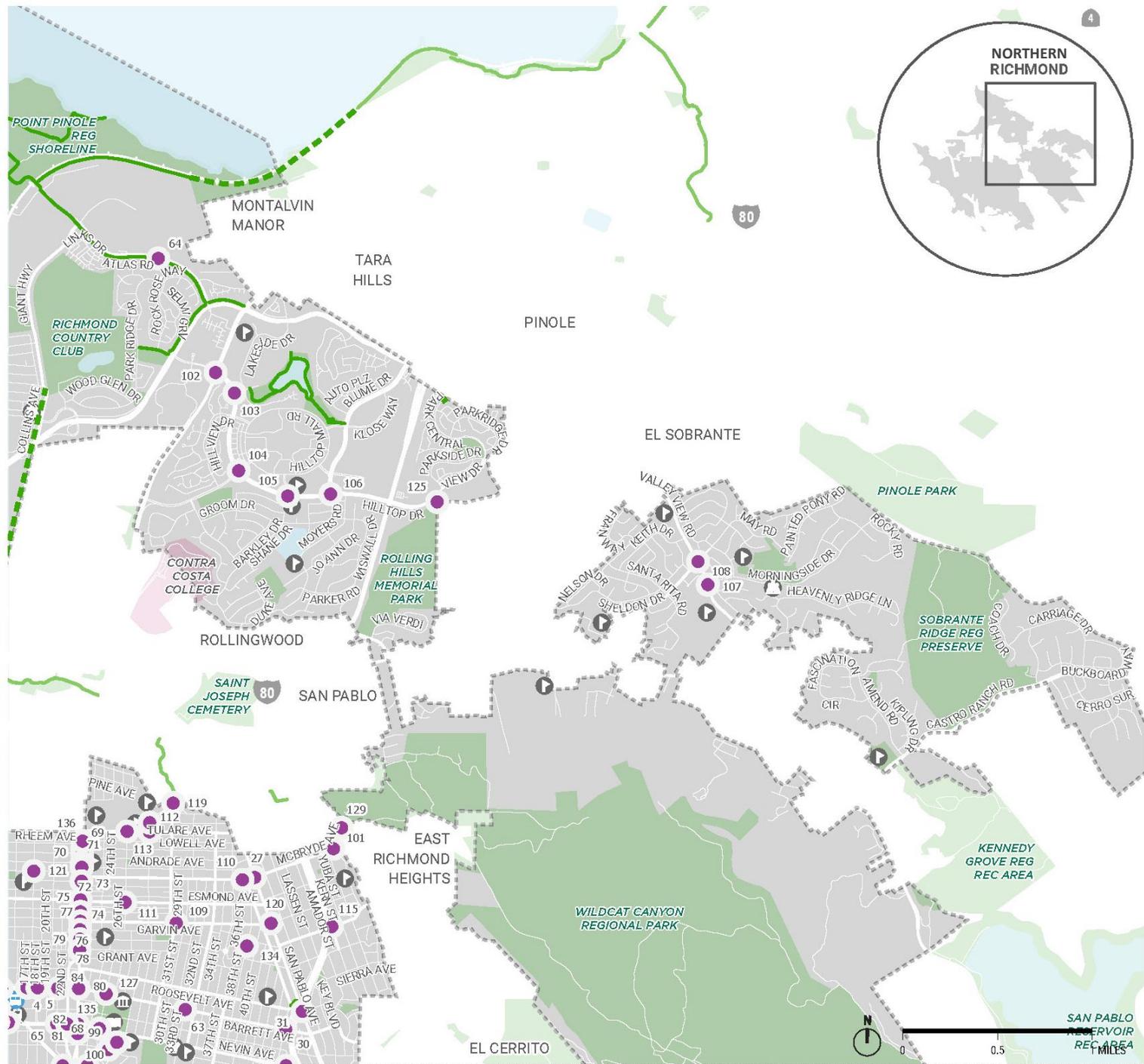
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PROPOSED PEDESTRIAN PROJECTS

- Spot Improvement
- Class I Shared-Use Path

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Proposed Pedestrian Spot Improvements (NORTHERN)

Proposed Pedestrian Improvements

Table 02 High-Priority Pedestrian Spot Improvements

PROJECT ID	CROSS STREET	CROSS STREET	IMPROVEMENT TYPE	RECOMMENDATION	PRIORITIZATION SCORE
26	Broadway	23rd St	Intersection Upgrade	Widen, lengthen, and channelize median islands. Restripe crosswalks as high-visibility crosswalks.	81
2	Macdonald Ave	15th St	Crossing Improvement	Consider constructing a raised intersection or raised crosswalk at the eastern approach. Construct curb extensions at all four corners. Install high-visibility crosswalks at the eastern and western approaches on top of decorative paving.	81
31	S 49th St	Cutting Blvd	Lighting	LRSP high-injury intersection.; install intersection lighting.	81
32	San Joaquin St	Central Ave	Intersection Upgrade	LRSP high-injury intersection: construct bulb outs and install advanced warning signs.	81
67	Broadway	24th St	Crossing Improvement	Construct curb extensions at all corners.	80
92	Central Ave	I-80	Crossing Improvement	Coordinate with Caltrans to upgrade all crosswalks to high-visibility crosswalks and provide leading pedestrian intervals for all crossing phases. Extend bicycle conflict markings on Central through the Jacuzzi intersection and interchange. Long term, construct curb extensions to tighten radii and square up approaches.	80
19	Harbour Way	300' north of Chanslor Ave	Crossing Improvement	Install a high-visibility midblock crosswalk with a median refuge island.	80
37	25th St	Macdonald Ave	Crossing Improvement	LRSP high-injury intersection: Upgrade all crosswalks to high-visibility. Consider installing RRFB or PHB. Construct curb extensions at all corners.	79
51	23rd St	Exchange Pl	Crossing Improvement	Construct a median refuge island and install an RRFB for a crossing of 23rd Street. .	78
93	Nevin Ave	Marina Way	Crossing Improvement	Upgrade all crosswalks to high-visibility crosswalks and provide a leading pedestrian interval for call crossing phases. Long term, consider converting the intersection to a raised intersection.	78
66	Ohio Ave	S 23rd St	Crossing Improvement	Construct curb extensions at all corners.	78
15	Carlson Blvd	Bayview Ave	Intersection Upgrade	Install intersection improvements including curb extensions and a median nose.	77
1	Macdonald Ave	16th St	Intersection Upgrade	Consider scramble phase or otherwise don't allow permitted left turns to conflict with pedestrians in the crosswalk. Create LPI. Consider parklet on southwest corner	77



Project Prioritization

Overview and results

Prioritization Methodology

CRITERIA	CRITERIA DEFINITION	DATA USED	SCORING	POINTS AVAILABLE
Safety	A bicycle or pedestrian collision occurred at the project intersection or along the identified project segment.	Collision Data (TIMS 2015-2019)	Weighted Density Based on Severity	25
Health and Equity	The project improves active transportation networks in areas with a high density of residents experiencing health risks, low income, and low vehicle access.	<ul style="list-style-type: none"> Longitudinal Employer-Household Dynamics Data (Census Tract) Metropolitan Transportation Commission (MTC) Equity priority communities 	Calculate each indicator (i.e., health and equity) and buffer every network segment by 500ft, taking the proportional average of each indicator and percentile. Indicators: <ul style="list-style-type: none"> Composite health (density of) <ul style="list-style-type: none"> High Blood Pressure Coronary Heart Disease Diabetes Composite Equity (density of) <ul style="list-style-type: none"> Low-income workers per acre Severely rent-burdened population Zero Vehicle Household 	25
Connectivity	The project improves connections to destinations, including schools, recreation, transit, regional trails, and commercial centers. Project overcomes major barriers (i.e., major arterials and rail lines).	City Data <ul style="list-style-type: none"> School locations Parks Transit hubs Regional Trails Commercial Areas Roadways Railways 	Proximity Analysis (within 1,000 ft) 5 points per destination type, within 1,000 ft	35
Community Support	The project reflects the most commonly identified needs or barriers received by community input.	Public Input Map comments and BPAC comments	Public support density percentile tool	15
Total				100

Projects were grouped into **HIGH-PRIORITY**, **MEDIUM-PRIORITY**, and **OPPORTUNITY PROJECT** buckets based on their priority points

Prioritized Bicycle Improvements

BICYCLE PROJECT PRIORITIZATION

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PROPOSED BICYCLE FACILITIES

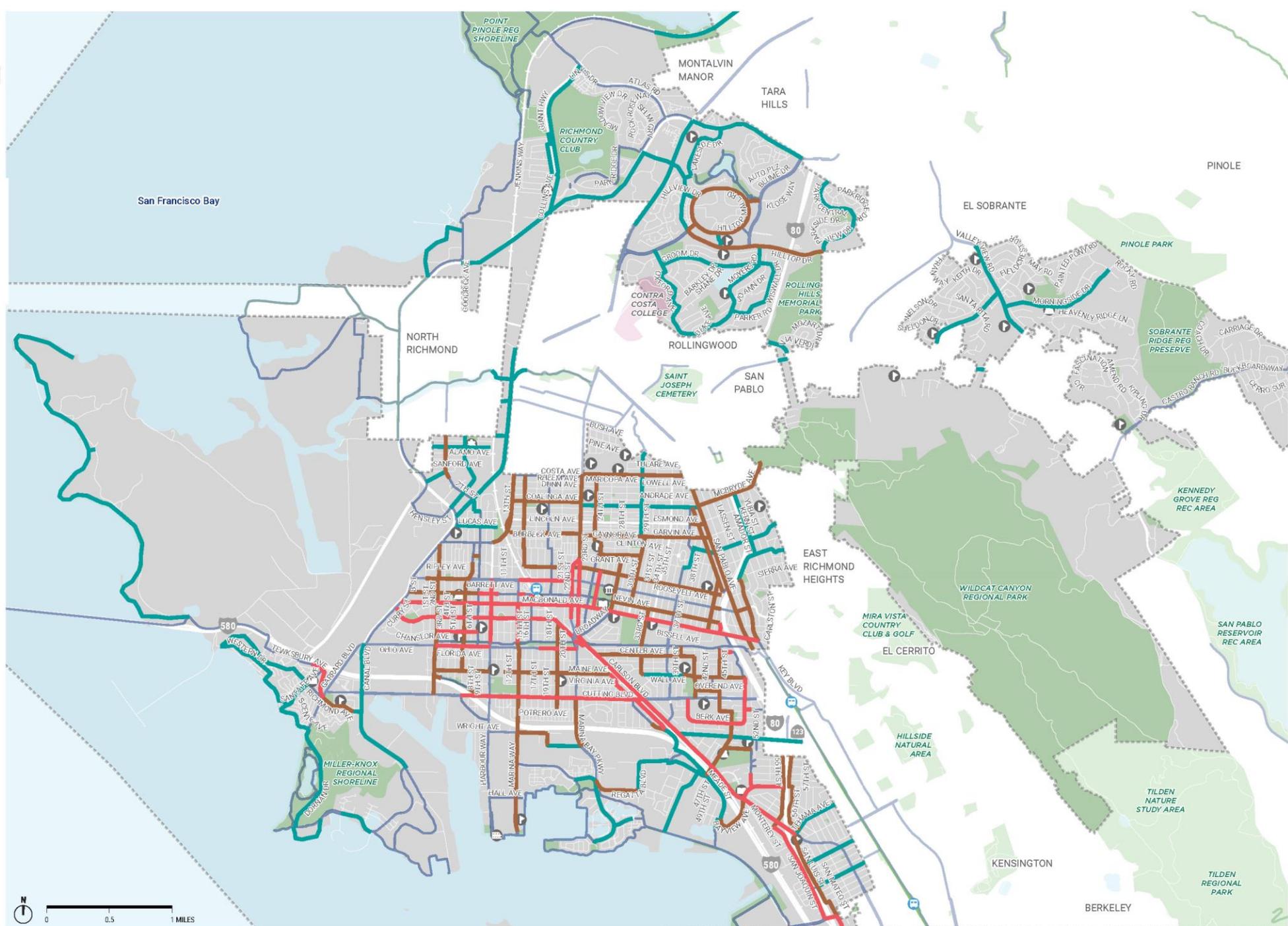
- Prioritization Category
- High Priority Project
 - Medium Priority Project
 - Opportunity Project

EXISTING BICYCLE FACILITIES

- Existing Bicycle Facilities

BOUNDARIES + DESTINATIONS

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Prioritized Pedestrian Spot Improvements

PROPOSED PEDESTRIAN SPOT IMPROVEMENT PRIORITIZATION

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PROPOSED PEDESTRIAN PROJECTS

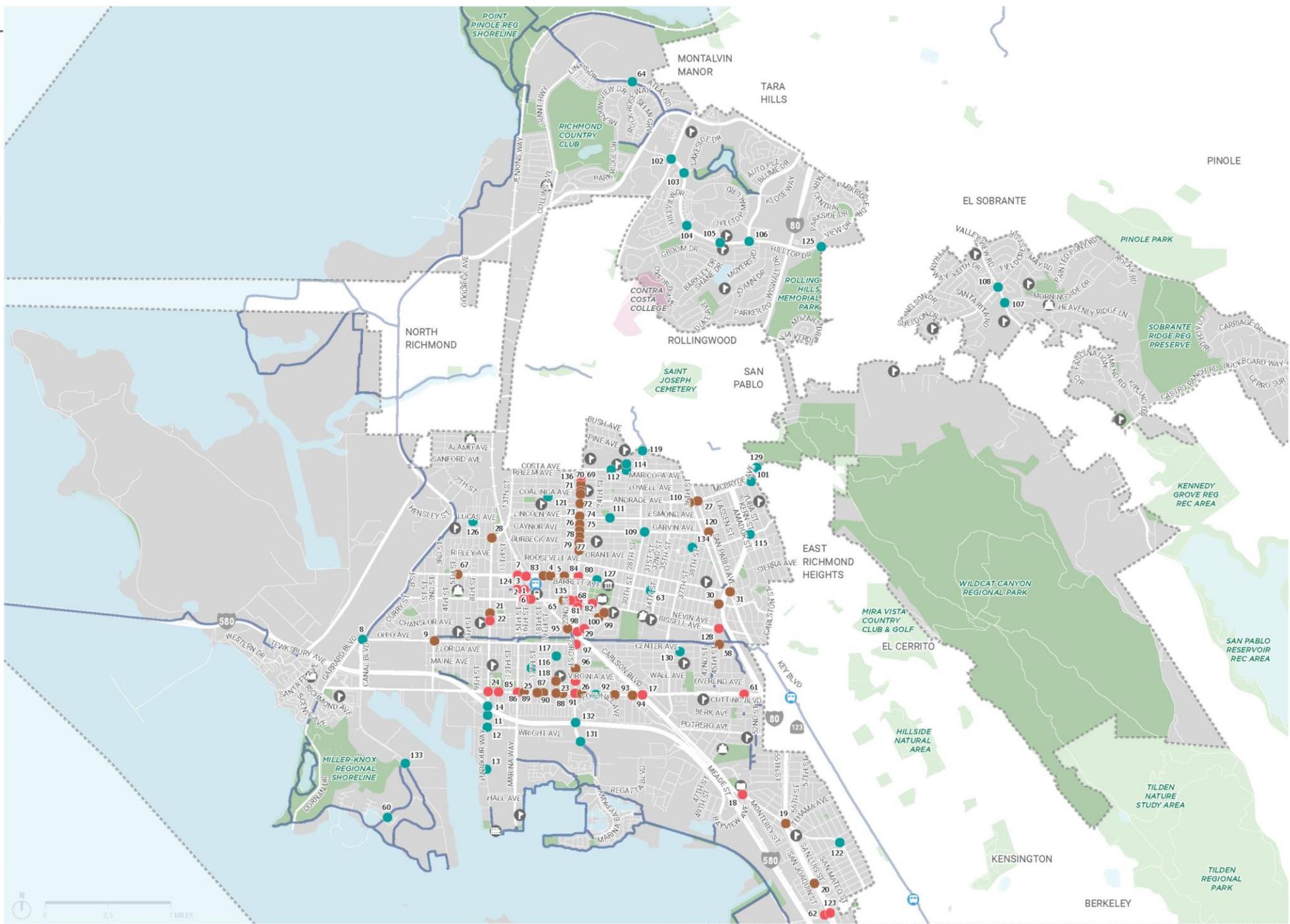
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EXISTING PEDESTRIAN PATHS

- Existing Pedestrian Paths

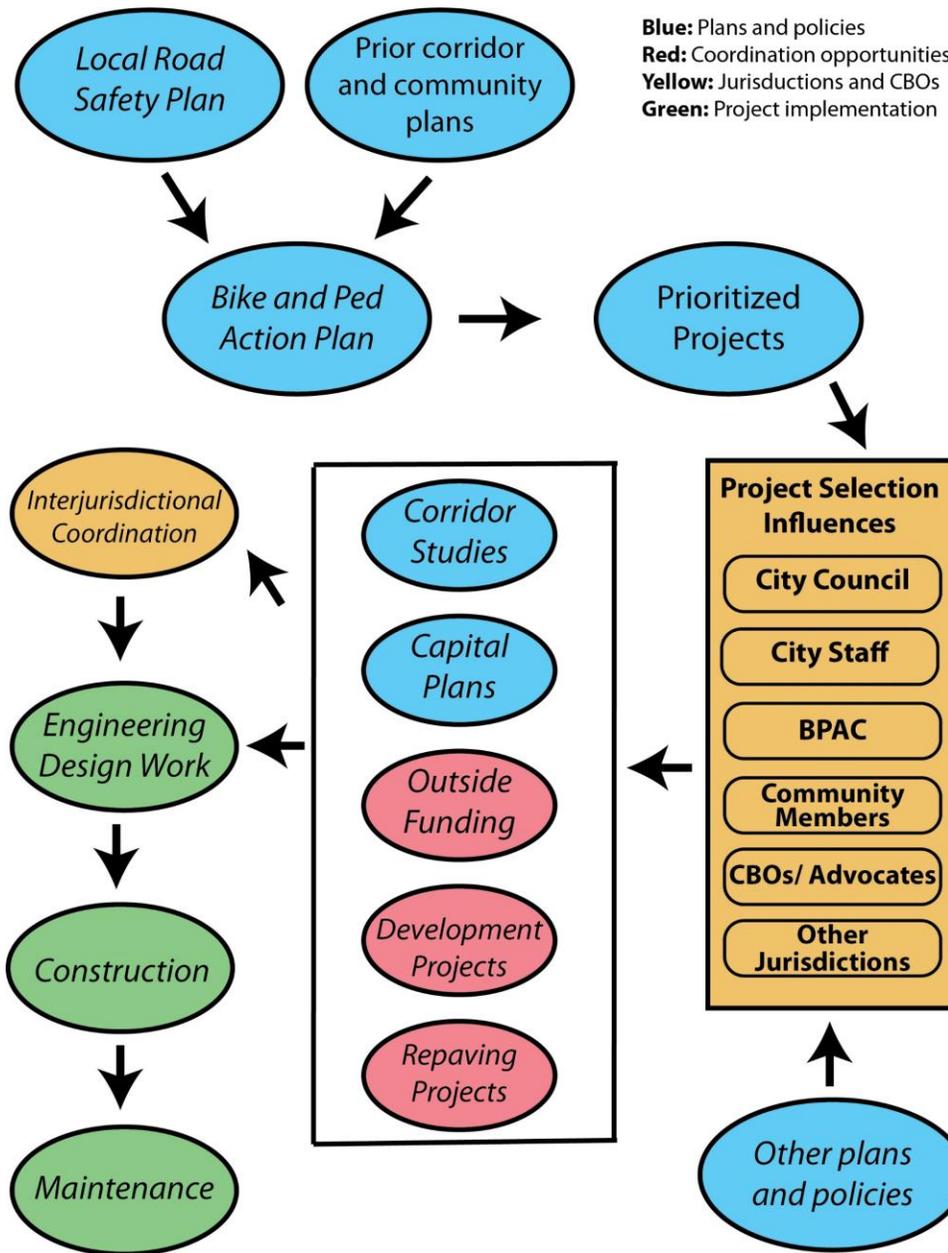
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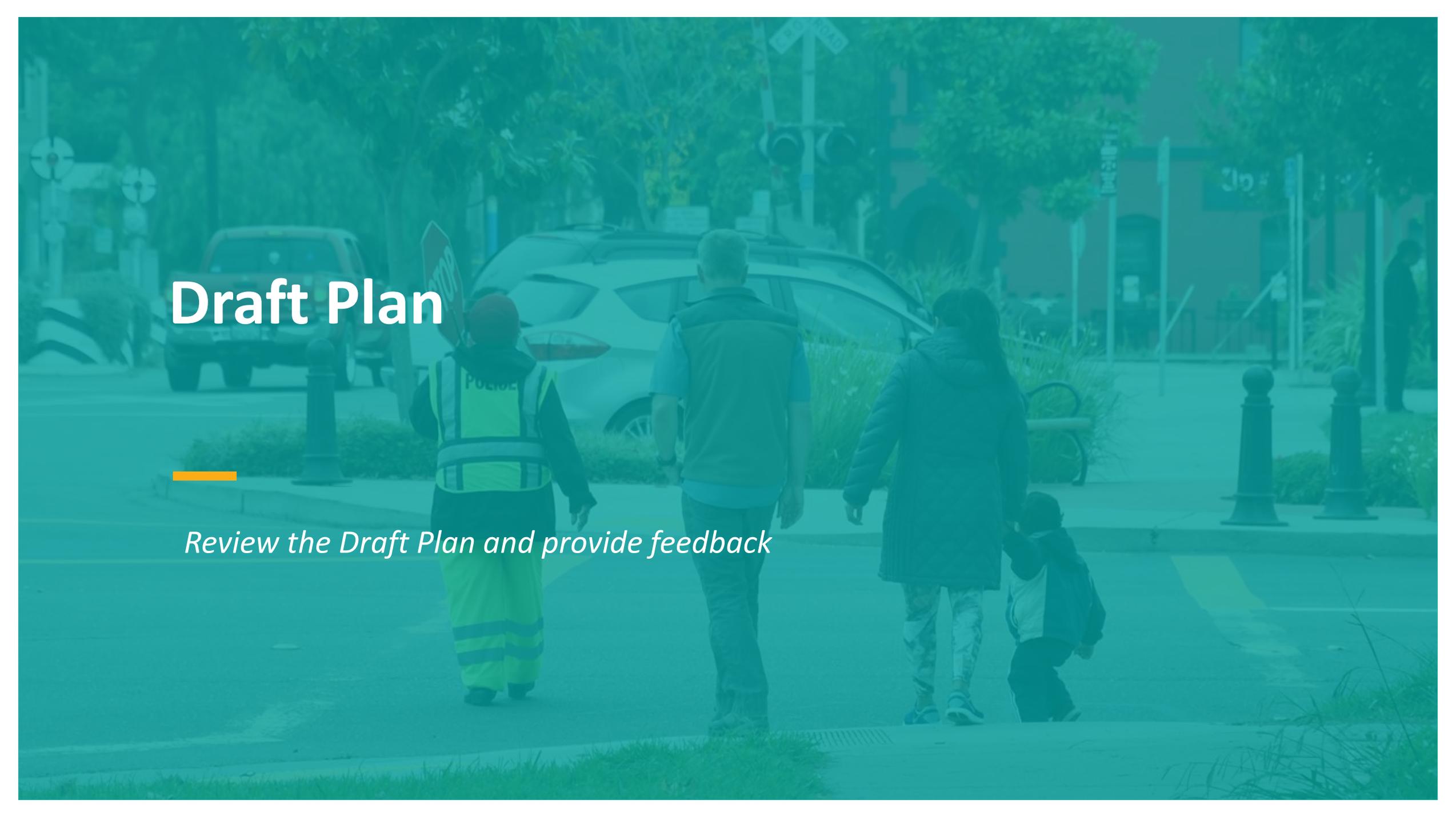


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Getting Projects Built



Blue: Plans and policies
Red: Coordination opportunities
Yellow: Jurisdictions and CBOs
Green: Project implementation



Draft Plan

Review the Draft Plan and provide feedback

Download the Plan
OR use the
Interactive Draft Plan
Comment Tool



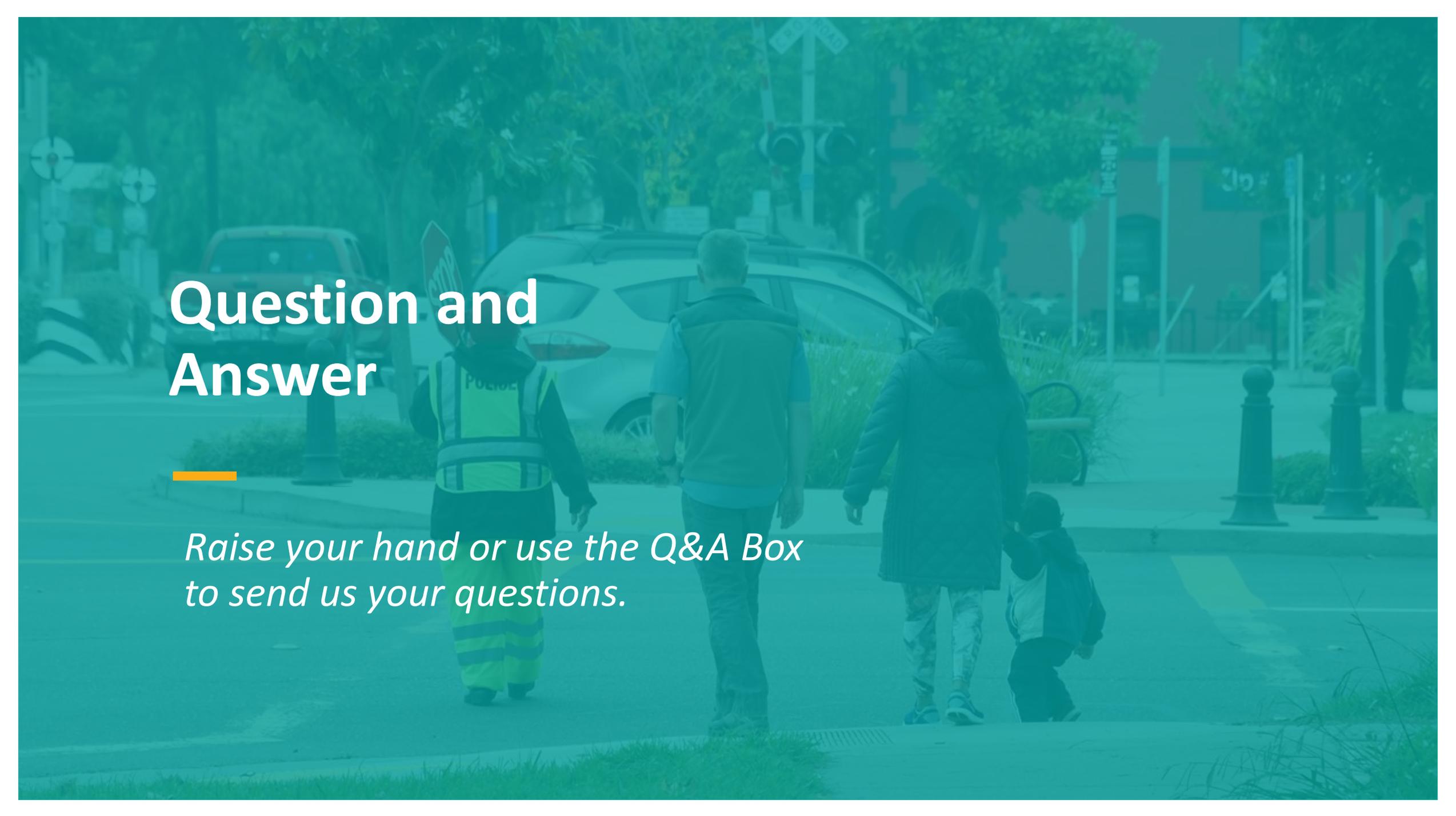
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Action Plan

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www.TravelSafeRichmond.org



Question and Answer

Raise your hand or use the Q&A Box to send us your questions.

Next Steps

Plan Adoption by City Council (~Winter 2022)

Project Implementation

Future engagement opportunities

Add your feedback to the Draft Plan!

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Interactive Draft Plan

Comment Tool

Plan Review

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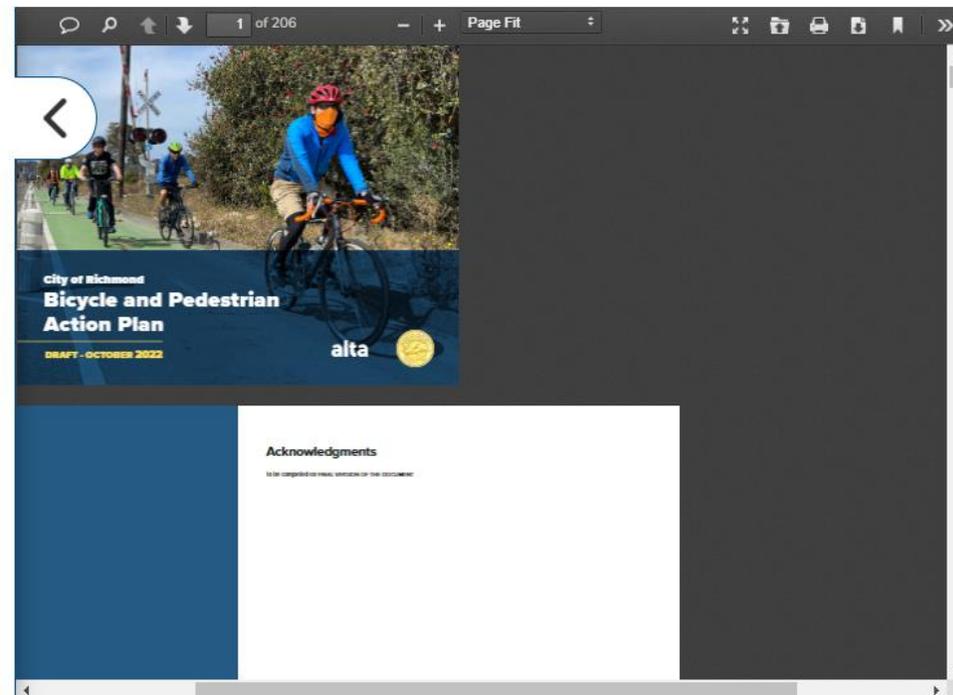
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