

**COUNCIL INFRASTRUCTURE & AIRPORT
COMMITTEE SPECIAL MEETING**

JANUARY 29, 2025

PRESENTATIONS



Council Airport & Infrastructure Committee

Hayward Executive Airport Greenhouse Gas Emissions

January 29, 2025



Total Hayward Emissions

Community-wide Emissions in Metric Tons of CO2 Equivalent (MT CO2e)		
	2005	2022
Electricity	185,536	29,313
Natural Gas	189,995	170,495
Transportation	529,317	346,081
Off-Road Vehicles	14,889	31,695
Waste	50,924	32,141
Water and wastewater	4,718	1,939
Total (MT CO2e)	975,379	611,677
Hayward Population	140,530	159,800
Total Emissions/ Capita	6.9	3.9

Hayward Executive Airport (HWD) Emissions Comparisons

	MT CO ₂ e
Hayward Community-wide Emissions Total in 2022	611,677
HWD Emissions Total in 2023	4,773
HWD Emissions as % of 2022 Hayward Total	0.8%
HWD Emissions as % of 2022 Transportation Total	1.3%
Palo Alto Airport Emissions in 2021	2,641
Total for Bay Area Airports in 2022	1,270,000

Emission Factors

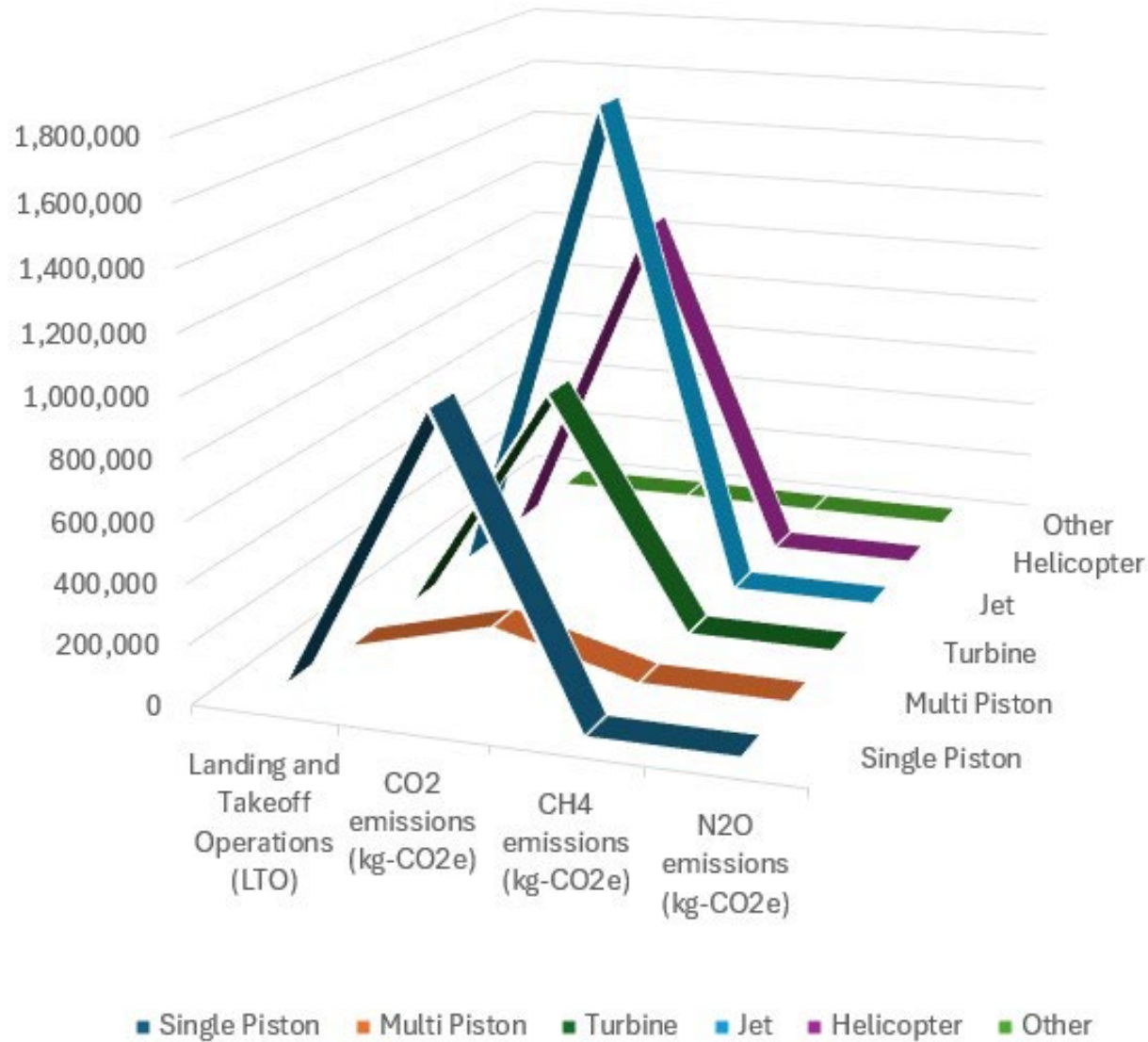
	Single Piston	Multi Piston	Turbine	Jet	Helicopter	Other
CO2 (kg/LTO)	20.29	40.58	403.06	403.06	403.06	403.06
CH4 (g/LTO)	0.94	1.87	18.60	18.60	18.60	18.60
N2O (g/LTO)	0.17	0.34	3.35	3.35	3.35	3.35

- Emissions factors were derived for OAK airport for 2023
- LTO = landing and takeoff operations

Emissions Detail

	Single Piston	Multi Piston	Turbine	Jet	Helicopter	Other	Total
Operations	98,198	6,370	3,918	8,332	5,757	26	122,601
Landing and Takeoff Operations (LTO)	49,099	3,185	1,959	4,166	2,878	13	61,300
CO2 emissions (kg-CO2e)	996,171	129,240	789,581	1,679,061	1,160,198	5,260	
CH4 emissions (kg-CO2e)	1,563	203	1,239	2,635	1,821	8	
N2O emissions (kg-CO2e)	2,473	321	1,955	4,157	2,873	13	
Total CO2e emissions (kg)	1,000,206	129,763	792,775	1,685,853	1,164,891	5,281	4,773,488
Total CO2e emissions (metric tons)	1,004	130	796	1,693	1,170	5	4,773

Hayward 2023 Airport Emissions Data



Emissions by Aircraft Type

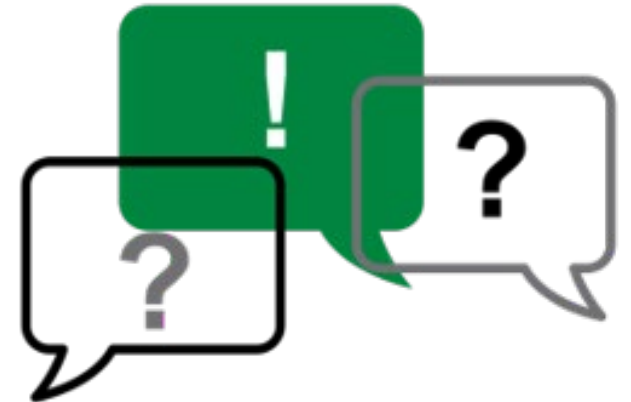
Next Steps

Staff will include HWD emissions in the 2023 community-wide GHG emissions report that will be presented to the Council Sustainability Committee in March 2025.

Staff Recommendation

That the Committee:

- receives public comments;
- reviews and comments on this presentation.





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Update on the City Bike Voucher Program

January 29, 2025



Project Overview

- Safe Routes to School infrastructure improvements at 12 schools
- Bike distribution program
 - \$2.8 M for bikes
 - Distribute 2,000+ bikes
- Robust community engagement throughout
- Partners – HUSD, TransForm, Bike East Bay/Bike Hayward, Teach Earth Action (TEA)

Outreach Findings

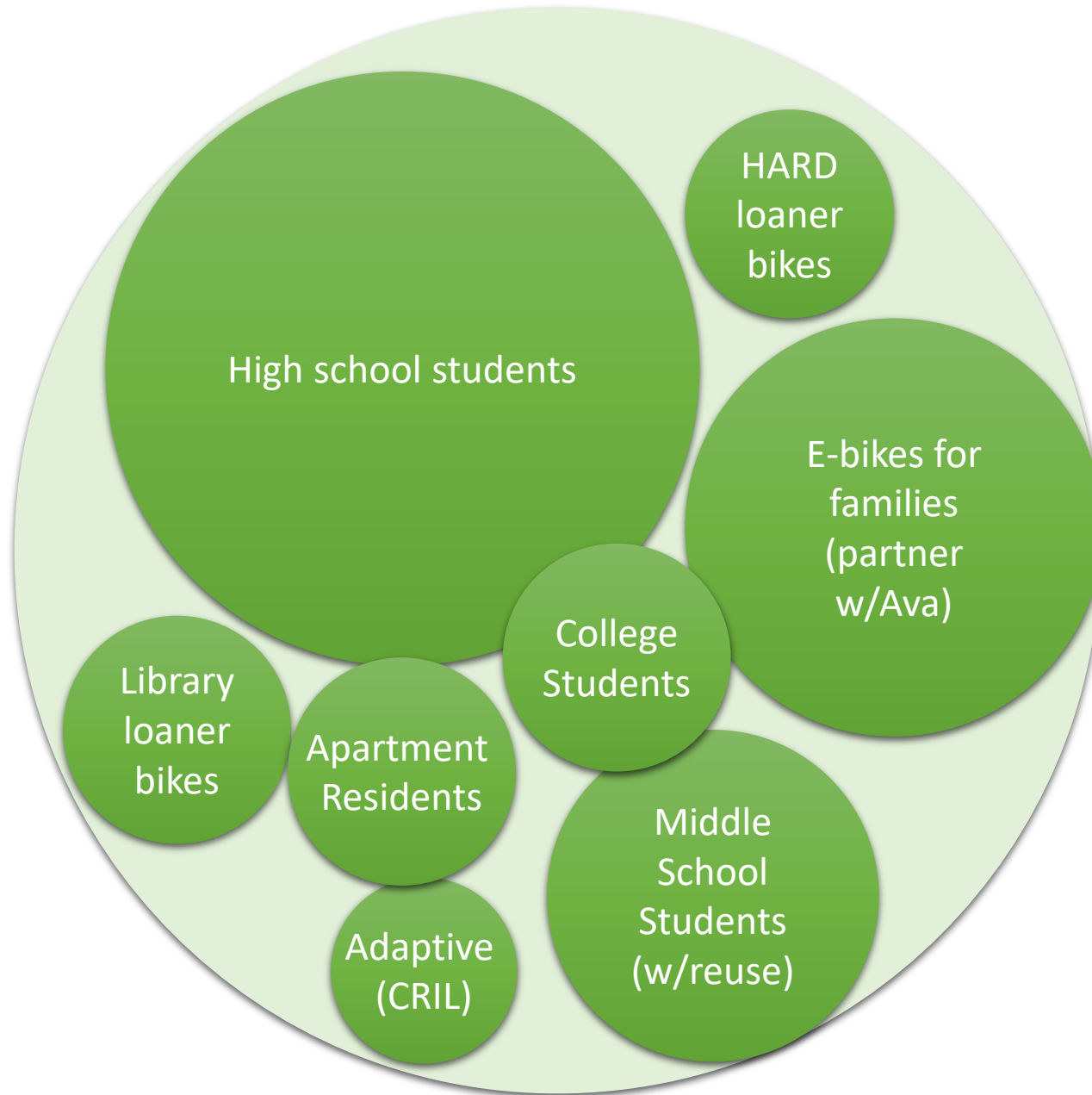
- TEA and Chabot College Students conducted 1000 interviews – key findings:
 - Build a bike community – culture is key
 - Access to bike information and repair resources
 - Encourage healthy activities
- City has significant gaps in the bike network
- Running a bike voucher program would be costly
- Program name options from outreach
 - Hayward on Two Wheels (HotWheels)
 - Bike Stack
 - Bike'n

Program Design

\$2.8 million



Program Design



Program Design

- Most of the program will provide free bikes – lower administrative cost, more benefit
- Work through community groups to reach underserved communities and residents
 - Coordinate on events
 - Fosters community involvement and commitment
- Potentially coordinate with Ava Community Energy on an e-bike voucher program

Implementation/Next Steps

Description	Date
Initial Community Outreach	March 2025
Finalize Initial Program Design	Spring 2025
Distribute bikes by cohort: <ul style="list-style-type: none">• First Cohort (potential) – Weekes Library grand reopening	April 2025
Updated Program Design	June 2025
Distribute Bikes: 2-3 cohorts per quarter	Summer 2025 – Summer 2026

Questions for CIAC

- Do the markets look right – type, approximate size, priority?
- Are there any other markets we should serve?
- E-Bike program with Ava?
- E-Scooter program for apartment residents?
- Preferred program name?
- Does the process make sense?



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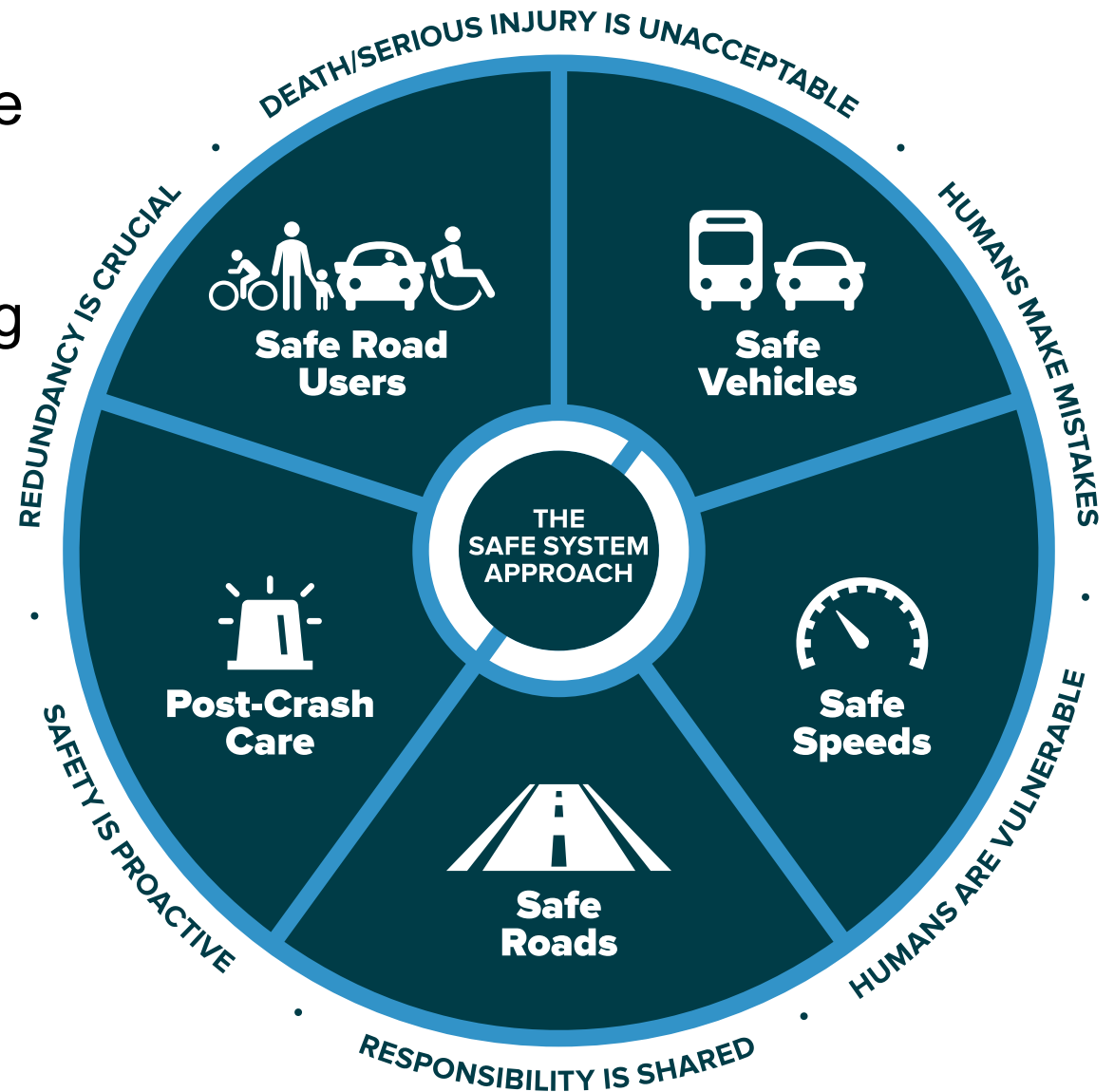
Implementation of Vision Zero and Complete Streets in Hayward - Review and Comment

January 29, 2025



City Policies

- **Vision Zero** – Eliminate fatalities and serious injuries by 2050
 - Safety is the guiding principle for street design
- **Complete Streets** – plan and design streets for all users



Implementation Pathways

Long Term – Planning

High injury network corridor studies

Speed management plan

East Bay Greenway

Mid-Term – Design

Traffic calming projects (Orchard, D St)

Tennyson RR Crossing improvements

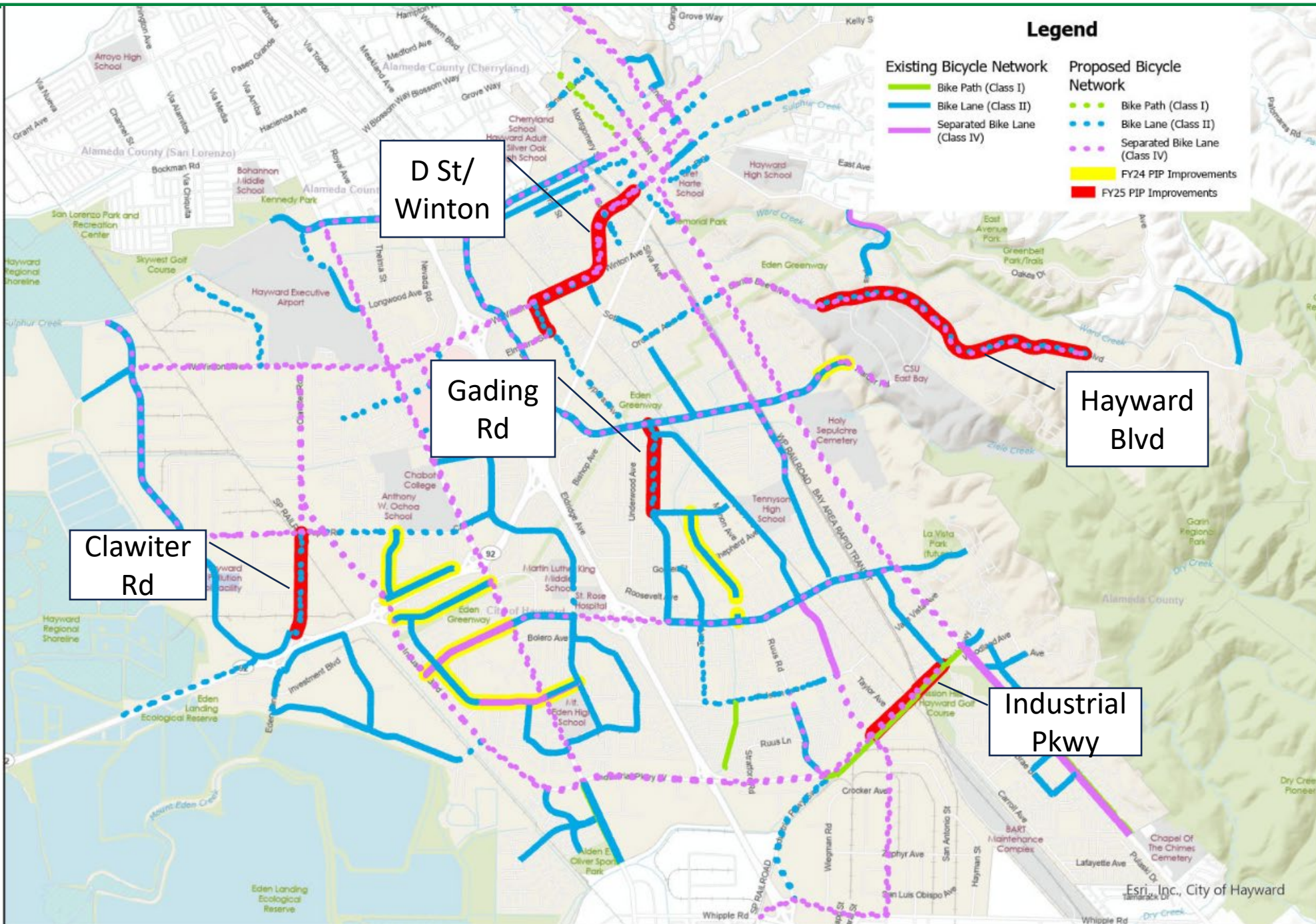
Short term - maintain

Repaving projects

Work orders

Pilots

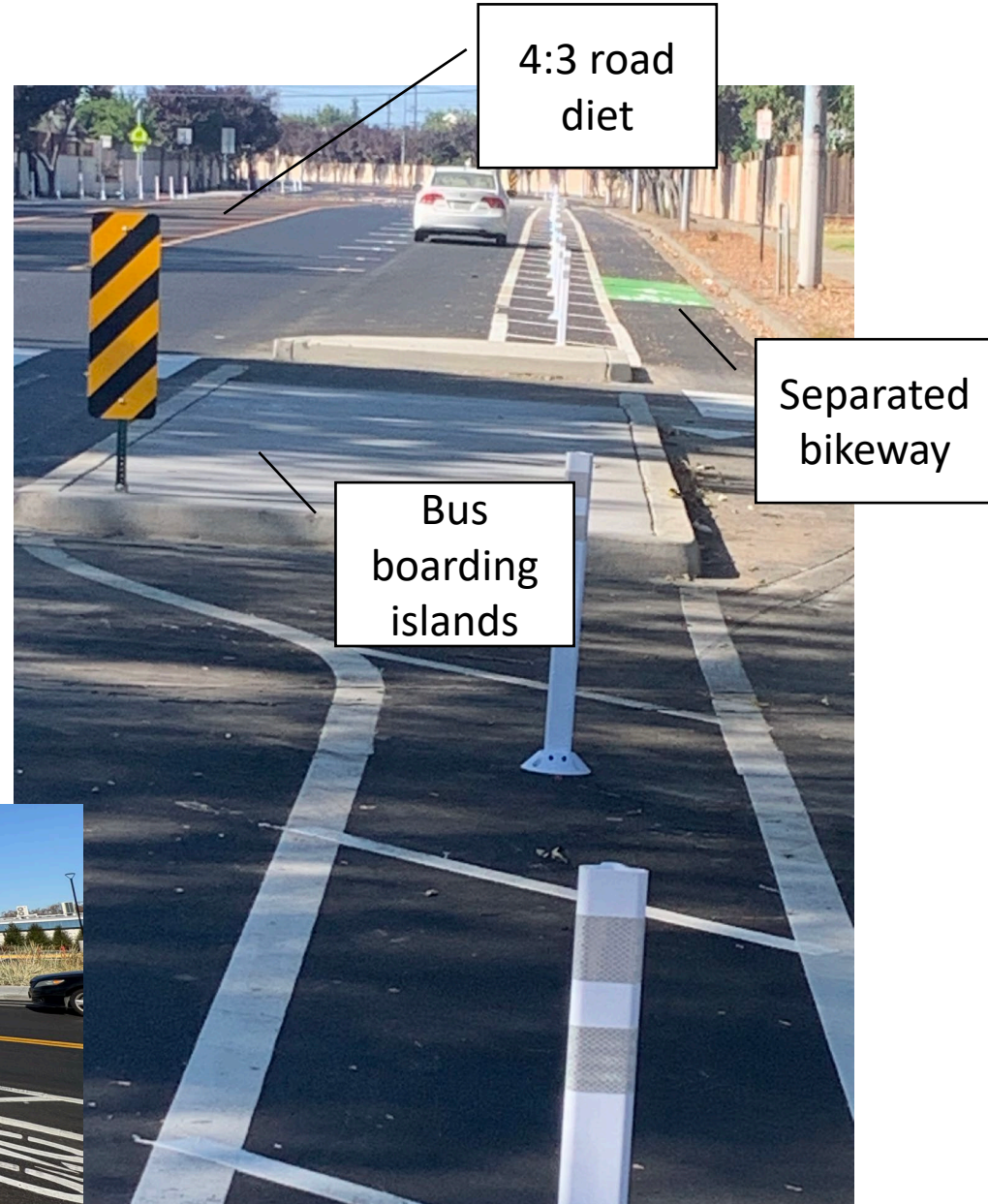
Recent and Upcoming Repaving Projects



2024 Repaving Projects

- Low traffic volumes
- Wide roads
- High speeds
- Vulnerable users – schools, parks and senior facilities

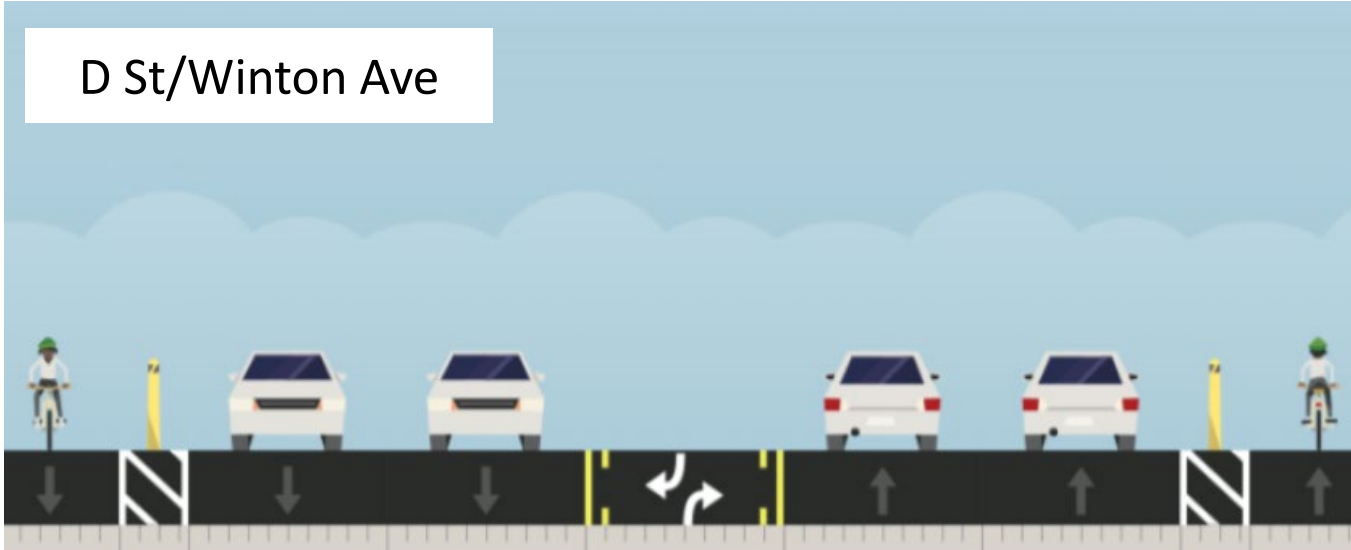
Arf Ave



W Tennyson Rd

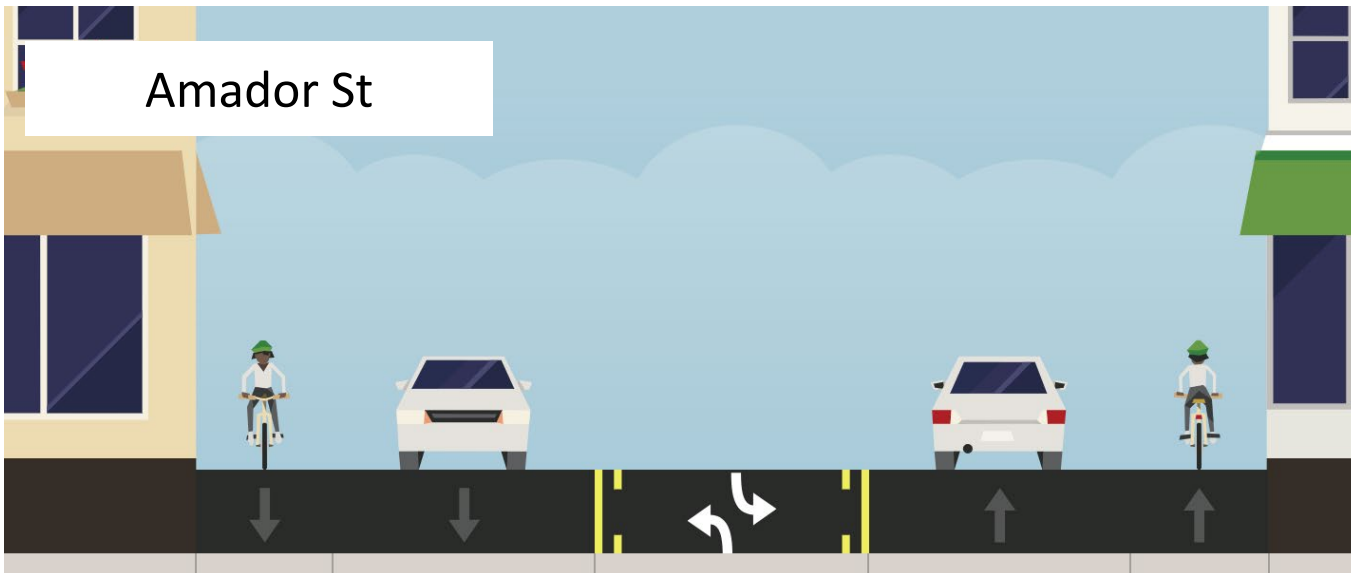
2025 Repaving Projects

D St/Winton Ave



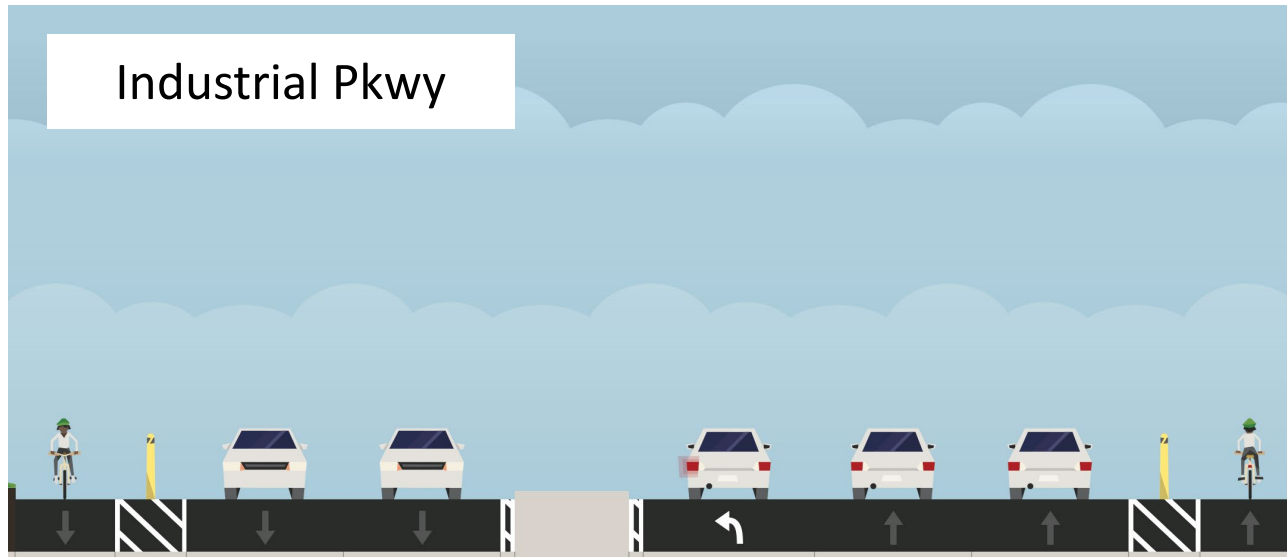
- No parking removal
- No capacity change
- Bus boarding islands

Amador St

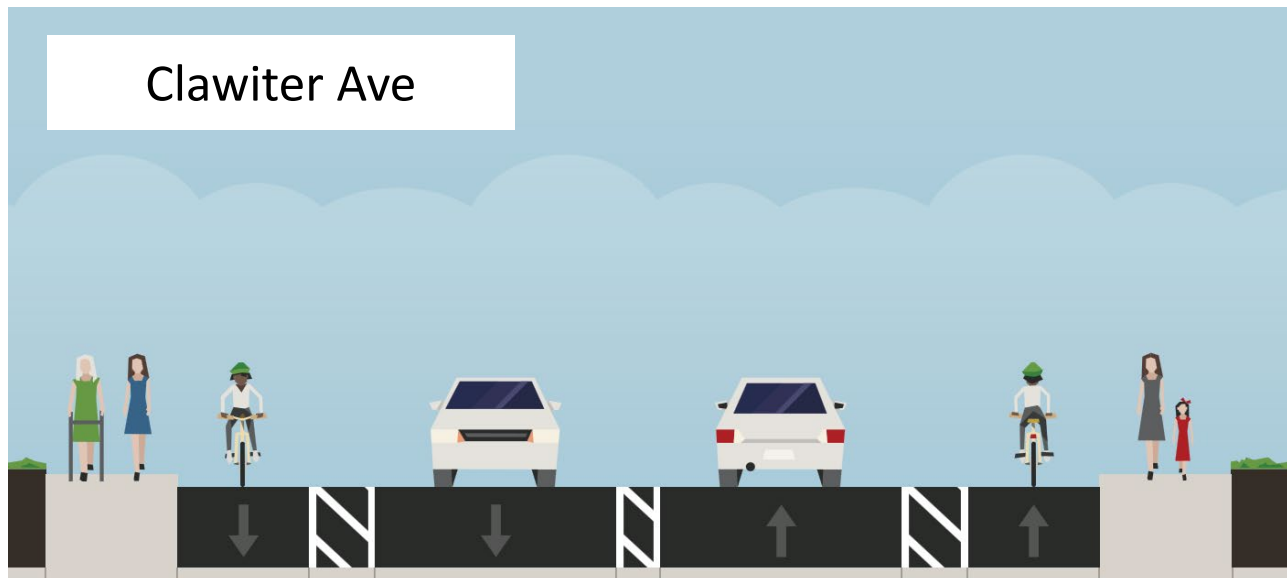


- 4:3 road diet, consistent with the rest of the street
- Coordinating with Alameda County & HUSD

2025 Repaving Projects



- Limited parking removal
- No capacity change
- Limited direct access



- Buffered bike lanes to start
- Painted median
- No capacity change

Engagement Process

