



**Solano Transportation Authority/  
Yolo Solano Air Quality Management District  
2025 Clean Air Application Review Committee Meeting Agenda**



**1:30 p.m. – 3:00 p.m., Wednesday, May 21, 2025  
STA Office (3<sup>rd</sup> Floor - Twin Sisters Conference Room)  
423 Main Street, Suisun City**

**MEETING AGENDA**

<b><u>ITEMS</u></b>	<b><u>COMMITTEE/STAFF PERSON</u></b>
<b>1. INTRODUCTIONS</b>	Eden Winniford, YSAQMD
<b>2. SELECTION OF COMMITTEE CHAIR</b>	Eden Winniford, YSAQMD
<b>3. COMMITTEE BACKGROUND AND PURPOSES</b>	Eden Winniford, YSAQMD
<b>4. APPLICATION PRESENTATIONS (Maximum 5 minutes each applicant.)</b>	

**Clean Technology/Low Emissions Vehicles**

<b>A.</b>	City of Vacaville Department of Public Works	Driving on Sunshine Phase II Solar EV Charger System	<b>Pg. 5</b>
<b>B.</b>	City of Vacaville Department of Housing and Community Services	De Colores Park and Malaquias Montoya Community Center Clean Vehicle Infrastructure	<b>Pg. 17</b>
<b>C.</b>	City of Rio Vista Department of Public Works	Project Green Electric Truck	<b>Pg. 25</b>
<b>D.</b>	Vacaville Neighborhood Boys & Girls Club	Driving Clean Change for Vacaville Boys & Girls Club	<b>Pg. 29</b>

**Transit**

**E.** None.

**Alternative Transportation**

<b>F.</b>	County of Solano Department of Resource Management	Elmira Bikeway Project Phase I	<b>Pg. 43</b>
<b>G.</b>	Solano Transportation Authority (STA) Solano Mobility Program	Eastern Solano County Solano Mobility Express Vanpool Expansion and Increased Alternative Transportation Incentives	<b>Pg. 61</b>
<b>H.</b>	City of Vacaville Department of Public Works	Safe Routes to School (SR2S) Pedestrian Crossing Enhancements	<b>Pg. 73</b>

**2025 Clean Air Funds Application Review Committee Members**

**Jim Ernest**  
City of Dixon

**Edwin Okamura**  
City of Rio Vista

**Michael Silva**  
City of Vacaville

**Mitch Mashburn**  
County of Solano

**John Vasquez**  
County of Solano

Public Information/Education			
I.	STA Safe Routes to School Program	Safe Routes to School (SR2S) Program Bicycle and Pedestrian Education, Encouragement and Engagement.	Pg. 85
J.	Sustainable Solano	Dixon Youth Air Protectors	Pg. 93
K.	Catholic Charities Yolo-Solano	Clean Air and Disaster Resilience: Education for Healthier Communities	Pg. 101
L.	Solano Resource Conservation District	Comprehensive Watershed Approach: Integrated Mobile Source Emissions Reductions into Solano RCD's Suisun Marsh Watershed Program	Pg. 111

**5. YSAQMD AND STA STAFF ASSESSMENT OF APPLICATIONS**

Eden Winniford, YSAQMD  
Dulce Jimenez, STA

**6. ACTION ITEM**

**A. FY 2025-26 Clean Air Program**

Review Committee Members

Recommendation:

Forward a recommendation to the YSAQMD Board to fund FY 2025-26 Clean Air Program projects based on YSAQMD/STA Clean Air Application Review Committee discussion.

**7. COMMITTEE MEMBER COMMENTS**

**8. ADJOURNMENT**

**2025 Clean Air Funds Application Review Committee Members**

Jim Ernest  
City of Dixon

Edwin Okamura  
City of Rio Vista

Michael Silva  
City of Vacaville

Mitch Mashburn  
County of Solano

John Vasquez  
County of Solano



# Yolo-Solano Air Quality Management District 2025 Clean Air Fund Program Solano County Applications

Total Funding Available: \$350,000

CLEAN TECHNOLOGY/LOW EMISSIONS VEHICLES				
Applicant	Project Name	Total Project Cost	Funding Requested	Minium Funding
City of Vacaville Public Works	Driving on Sunshine (Phase II) Solar EV Charger System	\$99,859.62	\$82,047.56	-
City of Vacaville Housing and Community Services	De Colores Park and Malaquias Montoya Community Center Clean Vehicle Infrastructure	\$147,200.00	\$72,200.00	\$60,000.00
City of Rio Vista	Project Green Electric Truck	\$67,000.00	\$60,000.00	\$55,000.00
Vacaville Neighborhood Boys & Girls Club	Driving Clean Change for Vacaville Boys & Girls Club	\$78,900.00	\$78,900.00	\$76,900.00
SUBTOTAL		\$392,959.62	\$293,147.56	

ALTERNATIVE TRANSPORTATION				
Applicant	Project	Total Project Cost	Funding Requested	Minium Funding
County of Solano Resource Management	Elmira Bikeway Project Phase I	\$2,100,000.00	\$200,000.00	\$150,000.00
STA	Eastern Solano County Solano Mobility Express Vanpool Expansion and Increased Alternative Transportation Incentives	\$675,000.00	\$75,000.00	\$50,000.00
City of Vacaville Public Works	Safe Routes to School Pedestrian Crossing Enhancements 2025	\$248,310.00	\$248,310.00	\$34,100.00
SUBTOTAL		\$3,023,310.00	\$523,310.00	

TRANSIT SERVICES				
Applicant	Project	Total Project Cost	Funding Requested	Minium Funding
None				

PUBLIC EDUCATION/ INFORMATION				
Applicant	Project	Total Project Cost	Funding Requested	Minium Funding
STA	Safe Routes to School Bicycle and Pedestrian Program	\$100,000.00	\$50,000.00	\$35,000.00
Sustainable Solano	Dixon Youth Air Protectors	\$62,834.00	\$51,594.00	\$38,000.00
Catholic Charities Yolo-Solano	Clean Air and Disaster Resilience: Education for Healthier Communities	\$202,132.00	\$46,759.00	\$25,000.00
Solano Resource Conservation District	Comprehensive Watershed Approach: Integrated Mobile Source Emission Reductions into Solano RCD's Suisun Marsh Watershed Program	\$332,725.00	\$39,508.00	\$28,200.00
SUBTOTAL		\$697,691.00	\$187,861.00	

SUM TOTAL OF ALL PROJECTS		\$4,113,960.62	\$1,004,318.56	
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# Yolo-Solano Air Quality Management District

## 2025 Clean Air Funds Application

Please complete this form. All fields are required. For details on project proposals including general project criteria, category-based project criteria and cost-effectiveness, please review the 2025 Clean Air Funds Program Information. Please contact District staff if you have questions regarding this form.

Attach required Project Proposal to this completed application form.

### Applicant Information:

Business/Organization Name: City of Vacaville		
Physical Address: 650 Merchant Street		
City: Vacaville	State: CA	Zip: 95688
Mailing Address (if different from above):		
City:	State:	Zip:
Primary Contact Name: Samantha Brown		Title: Program Manager
Phone: 707-469-6509	Fax:	Email: samantha.brown@cityofvacaville.com
Signing Authority Name: Brian McLean		Title: Director of Public Works
Phone: 707-449-5176	Fax:	Email: brian.mclean@cityofvacaville.com

### Project Information:

Project Title: Driving on Sunshine (Phase 2) - Solar EV Charger System		
Brief Project Description: Purchase of BEAM EV ARC 2020 solar-powered EV charging system		
Project Category:	<input checked="" type="checkbox"/> Clean Vehicle Technology	<input type="checkbox"/> Alternative Transportation
	<input type="checkbox"/> Transit Services	<input type="checkbox"/> Public Information/Education
Start Date: 7/1/25	Implementation Date*: 5/1/26	Completion Date: 5/1/26
Project Life**: 20+ years		<i>Not applicable to Public Education/Outreach Projects</i>
<p>* Implementation date is the date that the project will begin it's intended benefit to the community. E.g., school assemblies begin, construction completed, etc.</p> <p>** Project Life is how long the project will continue to be used. E.g., road/vehicle useful life, etc.</p>		

**Funding Information:**

Total Project Budget:		
Period: May 2026	Activity Description: Purchase of Unit	\$ 99,859.62
Period:	Activity Description:	\$
Period:	Activity Description:	\$
Period:	Activity Description:	\$
Total Project Amount:		\$ 99,859.62
Funding Requested:		\$ 82,047.56

**Budget Breakdown**

Expense Type	YSAQMD Funding	Match Funding	Total
Capital	\$ 82,047.56	\$ 17,812.06	\$ 99,859.62
Personnel	\$	\$	\$
Grant Administration	\$ 0.00	\$	\$
Total	\$	\$	\$ 99,859.62


Source of Matching Funds:	Funding Amount:	Date Funding Available:
Departmental Discretionary Funds	\$ 17,812.06	4/17/25
	\$	
	\$	

If reduced funding was available, would your project be able to proceed? ☐ Yes ☒ No

If Yes, what is the minimum funding level at which your project could proceed? \$

This application must be signed by the signing authority listed on this form. By signing this document, you are declaring that:

- All information contained in this document and in any attachment is true, accurate and complete to the best of your knowledge.
- The responsible official has the authority to apply for the grant funds on behalf of the applicant named.
- The applicant agrees to the terms and conditions of the agreement (included in the program information).
- Approved projects cannot be altered in any way without prior approval from the District (see draft agreement).

Signature: 	Date: 4/17/25
Print Name: Brian McLean	

**Application Deadline is 4:00 p.m. on Friday, April 18, 2025. Submit completed applications by:**

**Email:** [cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

**Mail:** 1947 Galileo Court, Ste. 103, Davis, CA 95618



**Yolo-Solano Air Quality Management District**  
**2025 Clean Air Funds**  
**Project Proposal**

Category: Clean Vehicle Technology

Project: Driving on Sunshine (Phase 2): Solar EV Charger System



Grantee: City of Vacaville  
Public Works Department

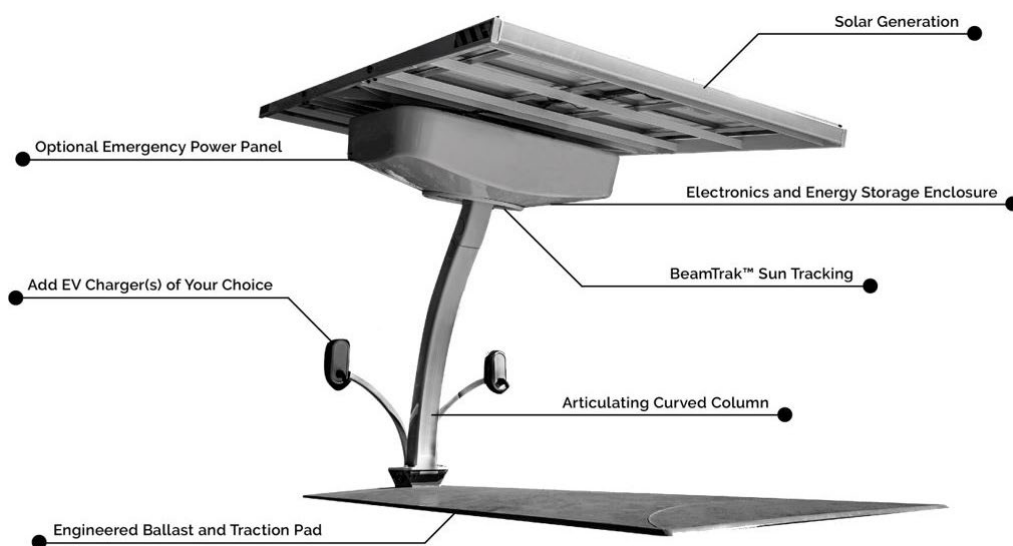
Contact Person: Samantha Brown, Program Manager  
Phone: (707) 469-6509  
Email: [samantha.brown@cityofvacaville.com](mailto:samantha.brown@cityofvacaville.com)

## Proposed Clean Vehicle Technology Project - Driving on Sunshine (Phase 2): Solar EV Charger System –

The City of Vacaville has long been committed to alternative energy vehicles, in particular electric vehicles, and has been recognized for its efforts to reduce its carbon footprint and promote the use of cleaner vehicles. To further those efforts, the City is seeking to expand its clean vehicle infrastructure to promote the public's transition to clean vehicles and reduce overall vehicle emissions through the purchase of a Beam EV ARC 2020 solar-powered EV charging system.

The EV ARC 2020 is a fully autonomous, transportable, ADA-compliant solar-powered electric charging system that fits inside a standard parking space without reducing available parking. The unit is capable of generating and storing enough clean, solar electricity to charge up to 265 e miles in a single day, and the battery storage capabilities allow it to charge electric vehicles day or night. The electricity produced is clean and renewable, reducing 100% of greenhouse gas emissions from gasoline-powered vehicles and electric vehicles powered from the utility grid.

Beam is currently able to deliver units in as little as 90 days from the date of order, and they can be deployed in less than one hour without any construction, electrical work, or permitting required. The Beam ARC Mobility Trailer allows the City to easily relocate the unit for maximum flexibility and community benefit.



*EV ARC 2020 Diagram*

## Project Background

This project builds on the City of Vacaville’s successful *Driving on Sunshine: Solar EV Charger System Pilot Project*, which was partially funded by the Yolo-Solano Air Quality Management District’s Clean Air Funds in 2023. Through this initiative, three EV ARC 2020 units were purchased and installed, providing daily access to solar-powered EV charging for residents and visitors in the downtown area and at Vacaville City Hall. Since going online in July 2024, these units have logged 1,135 individual charging sessions, delivering 9.906 MWh of clean energy and resulting in an estimated 7,489 kg of greenhouse gas (GHG) emissions avoided.

Following the success of the pilot project, which demonstrated high community engagement and measurable environmental benefits, the City is seeking to expand its EV charging infrastructure through the purchase of an additional EV ARC 2020. The pilot project not only validated the demand for EV chargers but also highlighted their potential to significantly reduce greenhouse gas emissions by supporting the transition to cleaner transportation. By increasing the number of available chargers, the City aims to remove a key barrier to EV adoption—charging accessibility—while supporting greater participation in sustainable practices across the community. Phase 2 of the *Driving on Sunshine: Solar EV Charging System* project will expand on the success of the pilot project by further reducing local air pollution, and will contribute to broader climate goals through accessible, equitable, and future-ready transportation solutions.





Selected Location:

The City is proposing to place the Beam EV ARC 2020 in a City-owned parking lot (Lot 7) located in downtown Vacaville. This site was selected due to its proximity to the heart of Downtown Vacaville. Lot 7 is centrally located along Mason Street and Merchant Street, providing convenient access to local shops, restaurants, downtown events such as the Farmers Market and Creekwalk Concert Series, the McBride Senior Center, Solano County Library, and Andrews Park.

Parking Lot #7 consists of 152 parking stalls and averages a daily peak occupancy rate of nearly 60%. The average stay time for visitors is 110 minutes, just shy of two hours, however these times increase on the weekends and during community events, many of which are held at Andrews Park. The addition of an EV ARC 2020 in this location would provide much needed access to EV charging as there are currently no EV charging stations located in the Town Square parking lot





The total cost of the City's proposed project is \$99,859.62 (see attached quote). This amount includes the following:

- One EV ARC 2020 unit with ChargePoint dual-plug (J1772 connector) networked chargers;
- Beam Boost increased battery storage;
- 100% solar-powered Emergency Power Panel for energy resiliency and disaster preparedness;
- Five-year Remote Monitoring and Management System plan (in addition to the included 12-month plan), allowing the City to monitor data and status of the EV ARC system including solar energy production, battery status, energy output, and energy use session data;
- Five-year Operation & Maintenance plan (in addition to the included 12-month plan);
- Additional five-year warranty (in addition to the included 12-month Manufacturer Warranty);
- All applicable sales tax;
- 2% California Department of General Services Contract discount (#1-22-61-16).

The City is seeking \$82,047.56 in funding for this clean energy EV charging project. The City is prepared to provide up to \$17,812.06 in matching funds.



## **ATTACHMENTS**

Beam EV ARC 2020 Price Proposal

## Beam EV ARC™ Proposal via CA DGS Contract #1-22-61-16

### Customer Details

Quote Number	00001971	Contact Name	Brian McLean
Created Date	4/15/2025	Title	Director of Public Works
Customer Name	City of Vacaville	Email	brian.mclean@cityofvacaville.com
		Phone	(707) 469-6504

### Billing and Shipping

Bill To Name	City of Vacaville	Ship To Name	City of Vacaville
Bill To	650 Merchant Street Vacaville, CA 95688 USA	Ship To	650 Merchant Street Vacaville, CA 95688 United States

### Your Clean Mobility Expert

Prepared By	Pat White	Phone	(720) 507-4520
Email	pat.white@beamforall.com		

## EV ARC™ Product Description

The patented EV ARC™ charging system is the world's first and only fully autonomous, transportable, solar-powered electric vehicle charging system. Designed, engineered and manufactured in the U.S., the EV ARC™ measures 7.5' X 18' at the base and fits inside a standard parking space without reducing available parking while being ADA compliant.

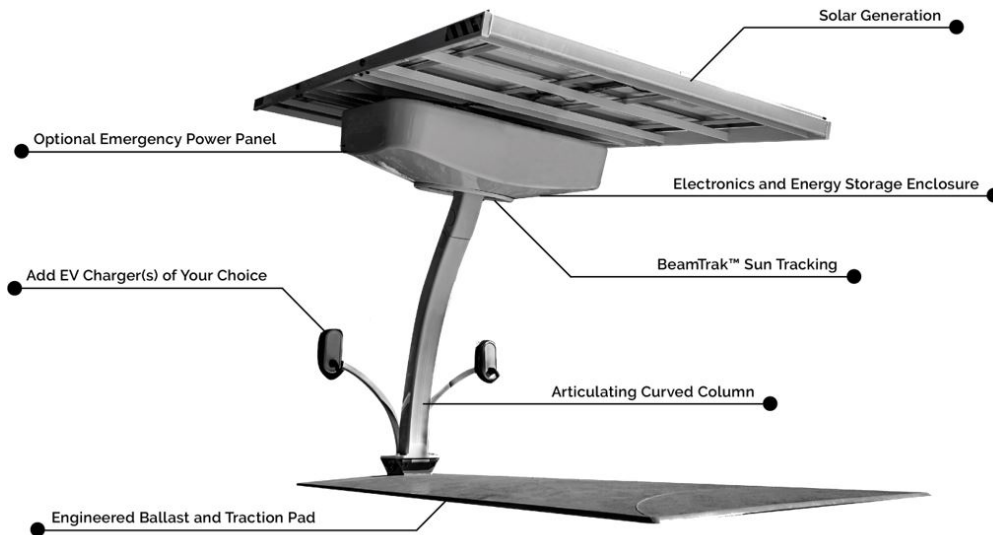
EV ARC™ systems are capable of generating and storing enough clean, solar electricity to charge up to 265 e-miles in a single day. Thanks to its battery storage, it can charge electric vehicles day or night, or even during periods of cloudiness, and is also an excellent source of emergency/alternative power. The electricity produced is clean and renewable, reducing 100% of greenhouse gas emissions from ICE vehicles and electric vehicles powered from the utility grid.

The EV ARC™ is deployed in minutes without any construction or electrical work and does not require civil or electrical engineering, foundations, trenching, electrical connections or upgrades. It will produce energy reliably and consistently but will not generate a utility bill or fail to operate because of a black out or other utility grid failure. It's no wonder that Google, the City of New York, the State of California and many others across the U.S. and internationally trust the EV ARC™ product line to charge their electric vehicles.



**Your EV ARC™ is an American-made product and will be fabricated in our San Diego, California facility.**

## EV ARC™ Diagram





## EV ARC™ Pricing

Product	Product Code	Product Description	Quantity	List Price	Total Price
Beam EV ARC™ with ChargePoint™ dual plug charger	ARC2020-CP4023	EV ARC™ 2020, 4.3kW solar array, 22kWh expandable storage, BeamTrak™, Chargepoint CT4023 dual-plug networked charger, dual J1772 connectors. 12 months ChargePoint Network Operating System (NOS) included. CLIN #1101, includes 2% CA DGS Contract discount.	1.00	\$70,300.30	\$70,300.30
Beam Boost battery upgrade	BOOST40	Beam Boost upgrade for EV ARC™ 2020 systems increases battery storage to 43 kWh. CLIN #1201, includes 2% CA DGS Contract discount.	1.00	\$9,821.56	\$9,821.56
Emergency Power Panel	EPP	Off-grid, 100% solar-powered Emergency Power Panel for energy resiliency and disaster preparedness. 6kW 120/240V solar generator with 2 x 120V NEMA 5-20 duplex outlets (GFCI protected), 2 x 120V NEMA L5-20 outlets (twist lock, GFCI protected), 1 x 240V NEMA L14-30 outlet (not GFCI protected), lockable polycarbonate cover plate. CLIN #1202, includes 2% CA DGS Contract discount.	1.00	\$1,925.70	\$1,925.70
Extended Services Value Pricing	RMMS-10-WNTY-05	Additional 4 years of Manufacturer Warranty (for a total of 5 years) and 9 years of RMMS (Remote Monitoring and Management System) coverage (for a total of 10 years) per EV ARC system. Available bundled with new EV ARC system purchases made on or after July 24, 2024 only. Additional 4 years of Manufacturer Warranty applies to EV ARC Base Model, and excludes EV Charger; EV Charger brand Manufacturer Warranty sold separately.	1.00	\$8,232.00	\$8,232.00
Beam Annual Operation & Maintenance Plan	O&M-PLAN	Operation & Maintenance: Includes PV panel cleaning, check calibration of BeamTrak™, check battery charging systems, settings, performance of inverter, overall condition of structure, and inspect and confirm operation of EV charger. Service is included for the 1st twelve months. CLIN #1402, includes 10% CA DGS Contract discount.	5.00	\$582.75	\$2,913.75

### Totals

Shipping & Handling is FOB Destination and includes Beam Team performing un-load / un-stow of equipment. Customer may need a 12K capacity forklift onsite upon delivery; to be determined when delivery date is scheduled.

Total Price	\$93,193.31
Shipping and Handling	\$0.00
Tax	\$6,666.31
Grand Total	\$99,859.62
Expiration Date	6/30/2025
Notes	Includes: 5-Years Manufacturer Warranty 10-Years of RMMS 6-Years of O&M (1st year included)

**Applicable sales tax will be billed upon invoicing**  
**Payment Terms: Net 30 days**



**Financing and Leasing programs available.** Ask your Beam sales representative for additional information.

California DGS Contract Link

[https://caleprocure.ca.gov/PSRelay/ZZ\\_PO.ZZ\\_CTR\\_SUP\\_CMP.GBL?Page=ZZ\\_CTR\\_SUP\\_PG&Action=U&SETID=STATE&CNTRCT\\_ID=1-22-61-16](https://caleprocure.ca.gov/PSRelay/ZZ_PO.ZZ_CTR_SUP_CMP.GBL?Page=ZZ_CTR_SUP_PG&Action=U&SETID=STATE&CNTRCT_ID=1-22-61-16)



# Yolo-Solano Air Quality Management District

## 2025 Clean Air Funds Application

Please complete this form. All fields are required. For details on project proposals including general project criteria, category-based project criteria and cost-effectiveness, please review the 2025 Clean Air Funds Program Information. Please contact District staff if you have questions regarding this form.

Attach required Project Proposal to this completed application form.

### Applicant Information:

Business/Organization Name:		
Physical Address:		
City:	State:	Zip:
Mailing Address (if different from above):		
City:	State:	Zip:
Primary Contact Name:		Title:
Phone:	Fax:	Email:
Signing Authority Name:		Title:
Phone:	Fax:	Email:

### Project Information:


Project Title:		
Brief Project Description:		
Project Category: <input type="checkbox"/> Clean Vehicle Technology <input type="checkbox"/> Transit Services <input type="checkbox"/> Alternative Transportation <input type="checkbox"/> Public Information/Education		
Start Date:	Implementation Date*:	Completion Date:
Project Life**:		<i>Not applicable to Public Education/Outreach Projects</i>
<p>* Implementation date is the date that the project will begin it's intended benefit to the community. E.g., school assemblies begin, construction completed, etc.</p> <p>** Project Life is how long the project will continue to be used. E.g., road/vehicle useful life, etc.</p>		

**Funding Information:**

Total Project Budget:			
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Total Project Amount:			\$
Funding Requested:			\$
Budget Breakdown			
Expense Type	YSAQMD Funding	Match Funding	Total
Capital	\$	\$	\$
Personnel	\$	\$	\$
Grant Administration	\$ 0.00	\$	\$
Total	\$	\$	\$
Source of Matching Funds:		Funding Amount:	Date Funding Available:
		\$	
		\$	
		\$	
If reduced funding was available, would your project be able to proceed?			Yes      No
If Yes, what is the minimum funding level at which your project could proceed? \$			

This application must be signed by the signing authority listed on this form. By signing this document, you are declaring that:

- All information contained in this document and in any attachment is true, accurate and complete to the best of your knowledge.
- The responsible official has the authority to apply for the grant funds on behalf of the applicant named.
- The applicant agrees to the terms and conditions of the agreement (included in the program information).
- Approved projects cannot be altered in any way without prior approval from the District (see draft agreement).

Signature: 	Date:
Print Name:	

**Application Deadline is 4:00 p.m. on Friday, April 18, 2025. Submit completed applications by:**

**Email:** [cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

**Mail:** 1947 Galileo Court, Ste. 103, Davis, CA 95618





# CITY OF VACAVILLE

HOUSING AND COMMUNITY SERVICES DEPARTMENT

40 Eldridge Ave, Suite 2 • Vacaville, CA 95688 • CityofVacaville.gov • 707.449.5675 • TTY 707.449.5680

## Clean Air Funds Grant Application

### Project Title:

De Colores Park and Malaquias Montoya Community Center Clean Vehicle Infrastructure Project

### Applicant:

City of Vacaville, Housing and Community Services Department

### Project Summary:

The City of Vacaville is requesting \$72,200 from the Yolo-Solano Air Quality Management District's Clean Air Funds Program to support the installation of clean vehicle infrastructure at the future De Colores Park and Malaquias Montoya Community Center. The project will include installing two (2) public-use electric vehicle (EV) charging stations, constructing 26 EV-ready parking spaces, and laying associated electrical conduit to accommodate future expansion of clean vehicle infrastructure.

### Project Location:

The project will be located on City-owned vacant parcels on Brown Street in Vacaville, adjacent to the Solano County William J. Carroll Social Services Building. A map of the site is included with this application. This site is within northeastern Solano County and falls under the City's Markham Callen Neighborhood Priority Development Area.

### Project Scope and Description:

This clean vehicle infrastructure project is part of a larger multi-phase community investment effort that includes construction of a park, community center with a commercial kitchen, and future housing and supportive services facilities. The current scope includes:

- Installation of two (2) public EV charging stations
- Preparation of 26 EV-ready parking stalls
- Electrical conduit installation to support future infrastructure expansion

Permits will be pulled as part of the overall park and community center construction project, and all utility and power access needs have been reviewed by City engineering staff. The site is shovel-ready, with final design work underway and funding in place.

### Public Use & Benefits:

The EV charging stations will be publicly accessible and located at a high-traffic civic and community site, increasing local access to clean transportation infrastructure in a historically underserved area. The community center and future housing services building will further enhance the environmental and



economic vitality of the neighborhood. The project directly supports the District's mission to reduce mobile source emissions and expand clean vehicle access within northeastern Solano County.

### **Budget & Matching Funds:**

Total Project Cost: \$147,200

Amount Requested: \$72,200

Matching Funds: Local Measure M funds committed by the City of Vacaville

Additional Project Funding Sources:

- \$6.7M from State Parks Grant
- \$6.775M from Local Measure M
- \$860,000 from other local funds
- \$3.765M in previous and future CDBG allocations (including a Section 108 Loan Guarantee)

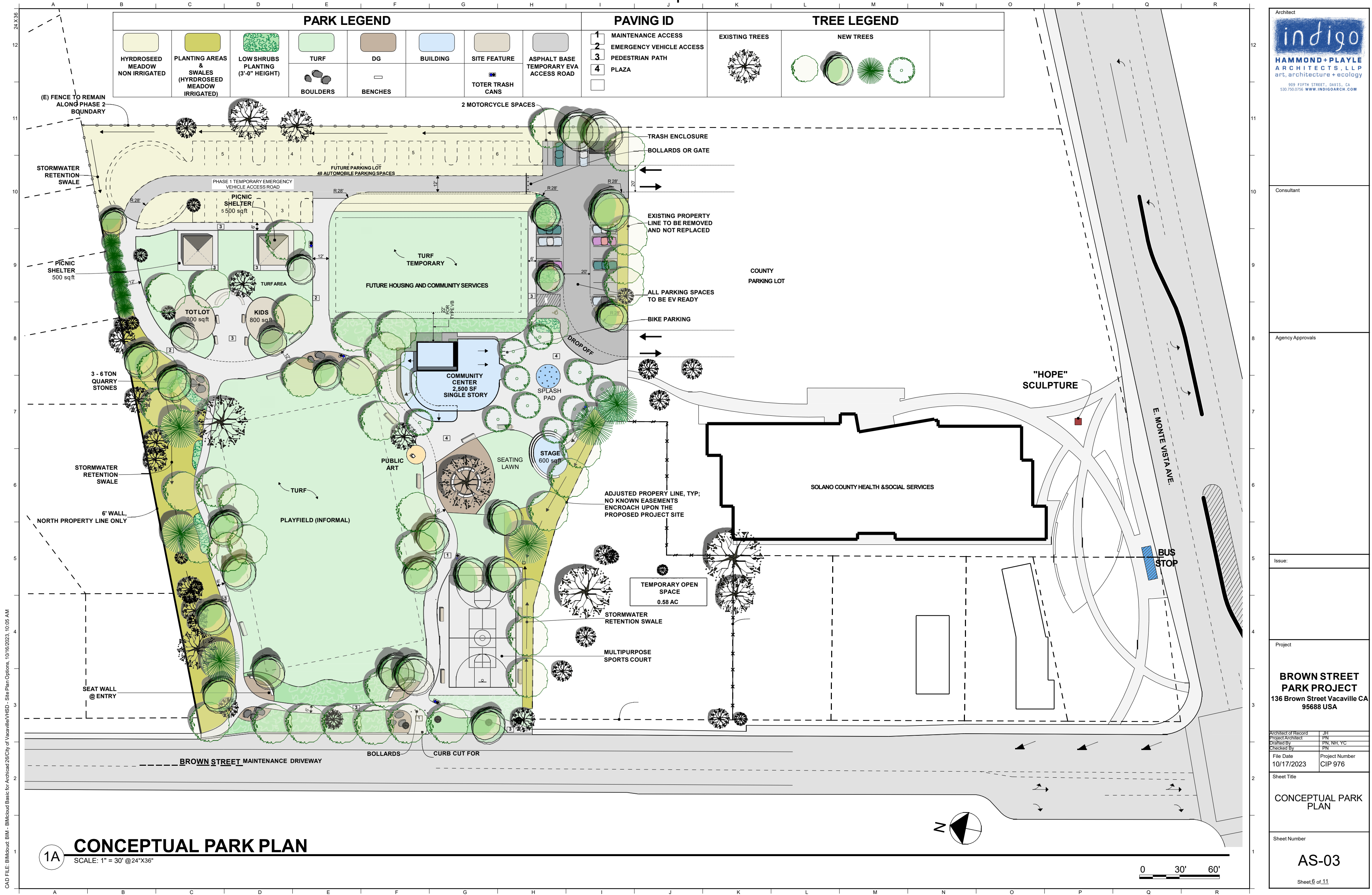
### **Timeline:**

The infrastructure will be installed during Phase 1 construction of the De Colores Park and Community Center, which is anticipated to begin in 2026 following permit approval and final bid award and will be completed by December 31, 2027.

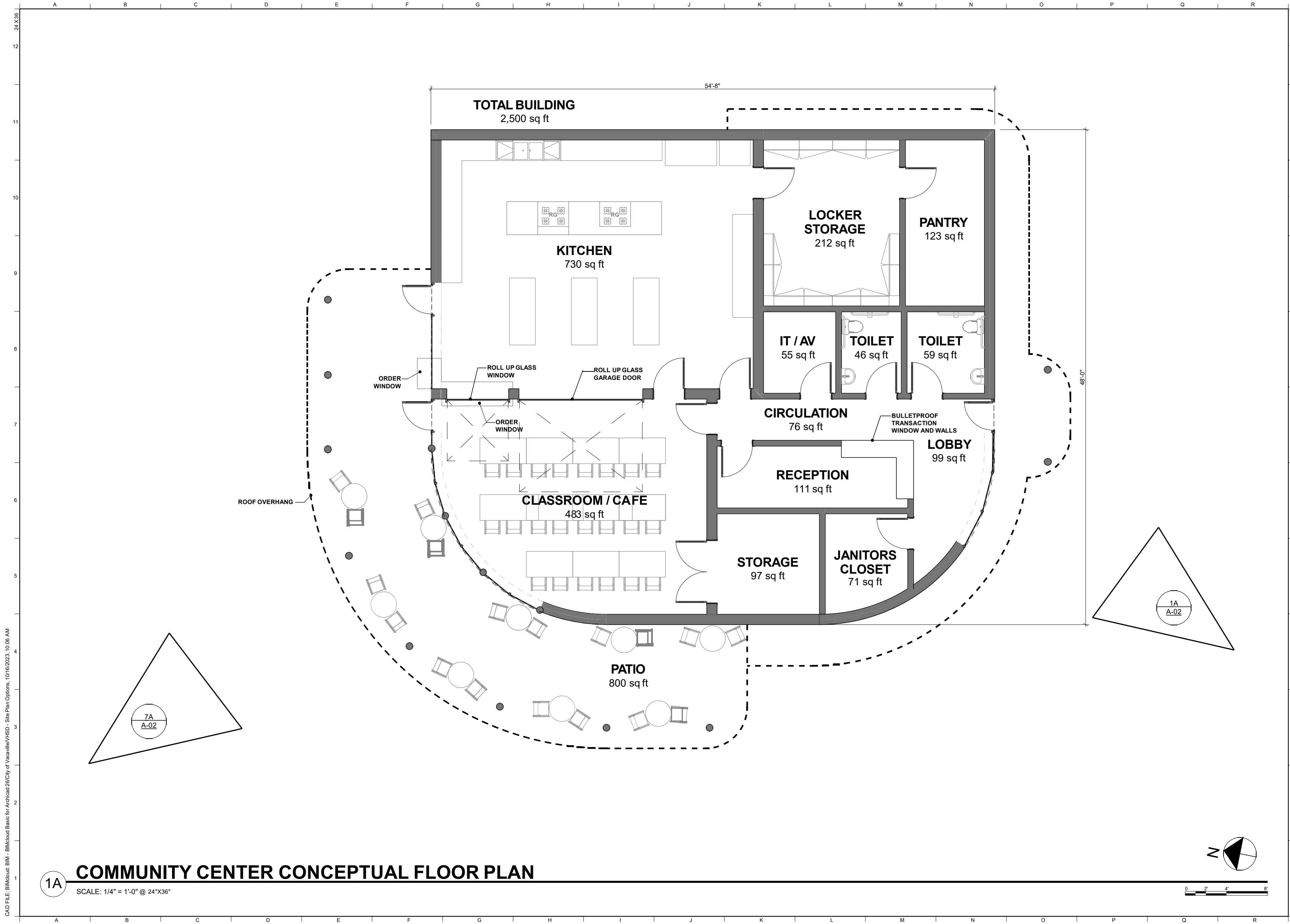
### **Future Phases:**

Phase 2 will include the development of a housing services building on site, expanding services available in this priority neighborhood. The EV infrastructure funded through this proposal supports long-term sustainability, access, and air quality benefits for the area.

## Attachment 6 - Conceptual Site Plan







CAD FILE: BIMcloud: BIM - BIMcloud Basic for Archicad 26City of Vacaville\HSD - Site Plan Options, 10/16/2023, 10:06 AM

Architect

**indigo**

**HAMMOND+PLAYLE**  
ARCHITECTS, LLP  
art, architecture + ecology

909 FIFTH STREET, DAVIS, CA  
530.750.0756 WWW.INDIGOARCH.COM

Consultant

Agency Approvals

Issue:

Project

**BROWN STREET  
PARK PROJECT**  
136 Brown Street Vacaville CA  
95688 USA

Architect of Record	JH
Project Architect	PN
Drafted By	PN, NH, YC
Checked By	PN
File Date	10/17/2023
Project Number	CIP 976

Sheet Title

COMMUNITY CENTER CONCEPTUAL FLOOR PLAN

Sheet Number

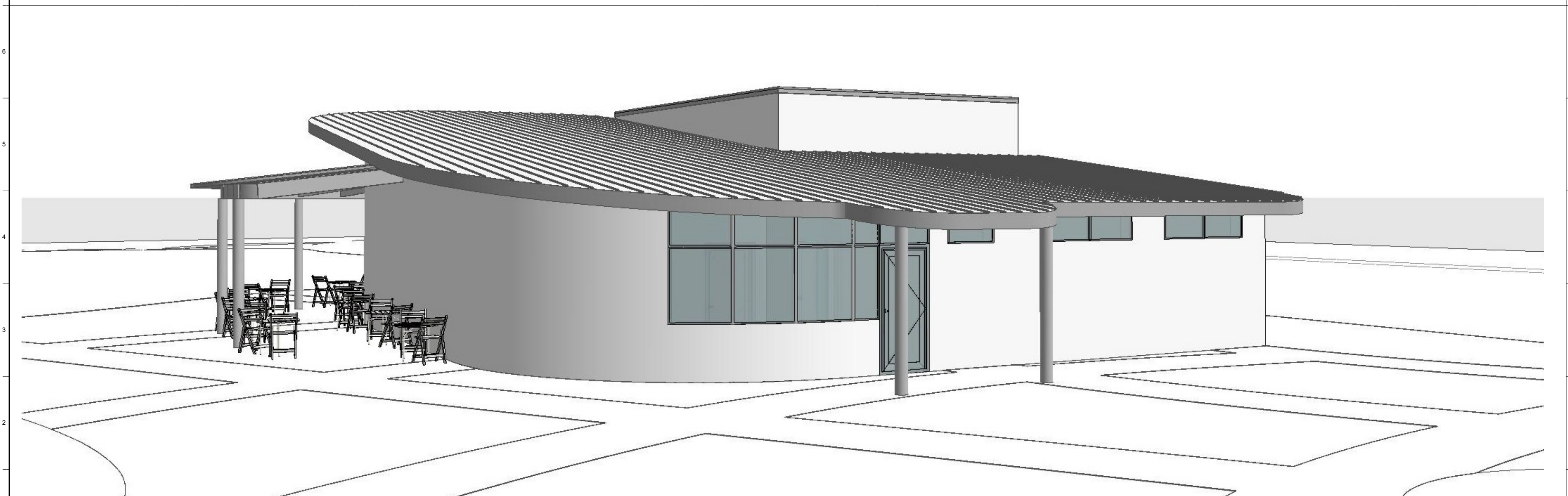
A-01

Sheet 9 of 11

CAD FILE: BIMcloud: BIM - BIMcloud Basic for Archicad 26:City of Vacaville\VFSD - Site Plan Options, 10/16/2023, 10:06 AM




**7A** CONCEPTUAL MASSING AXON - 01  
NOT TO SCALE



**1A** CONCEPTUAL MASSING AXON - 02  
NOT TO SCALE

Architect



**HAMMOND+PLAYLE**  
ARCHITECTS, LLP  
art, architecture + ecology  
909 FIFTH STREET, DAVIS, CA  
530.750.0756 WWW.INDIGOARCH.COM

Consultant

Agency Approvals

Issue:

Project

Architect of Record

Project Architect

Drafted By

Checked By

File Date

JH

PN

PN, NH, YC

PN

10/17/2023

Project Number

CIP 976

Sheet Title

RECREATION CENTER  
3D MASSING VIEWS

Sheet Number

A-02

Sheet 10 of 11

23

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## Yolo-Solano Air Quality Management District

### 2025 Clean Air Funds Application

Please complete this form. All fields are required. For details on project proposals including general project criteria, category-based project criteria and cost-effectiveness, please review the 2025 Clean Air Funds Program Information. Please contact District staff if you have questions regarding this form.

Attach required Project Proposal to this completed application form.

#### Applicant Information:

Business/Organization Name: City of Rio Vista		
Physical Address: 1 Main Street		
City: Rio Vista	State: CA	Zip: 94571
Mailing Address (if different from above):		
City:	State:	Zip:
Primary Contact Name: Krystine Ball		Title: Public Works Program Manager
Phone: 707-374-6447	Fax:	Email: kball@ci.rio-vista.ca.us
Signing Authority Name: Kristina Miller		Title: City Manager
Phone: 707-374-6451	Fax:	Email: kmiller@ci.rio-vista.ca.us

#### Project Information:

Project Title: Project Green Electric Truck		
Brief Project Description: Purchase of an all-electric pickup truck		
Project Category: <input checked="" type="checkbox"/> Clean Vehicle Technology <input type="checkbox"/> Alternative Transportation <input type="checkbox"/> Transit Services <input type="checkbox"/> Public Information/Education		
Start Date: August 2025	Implementation Date*: August 2025	Completion Date: September 2025
Project Life**: 10- 20 years		<i>Not applicable to Public Education/Outreach Projects</i>
<p>* Implementation date is the date that the project will begin it's intended benefit to the community. E.g., school assemblies begin, construction completed, etc.</p> <p>** Project Life is how long the project will continue to be used. E.g., road/vehicle useful life, etc.</p>		

**Funding Information:**

Total Project Budget: 65,000		
Period: August 2025-October 2025	Activity Description: Purchase of electrical pick up ford 150 truck	\$ 65,000.00
Period: August 2025-October 2025	Activity Description: develop bid specs, issue Request for Proposals, award bid	\$ 2,000.00
Period:	Activity Description:	\$
Period:	Activity Description:	\$
Total Project Amount:		\$ 67,000.00
Funding Requested:		\$ 60,000.00


Budget Breakdown			
Expense Type	YSAQMD Funding	Match Funding	Total
Capital	\$ 60,000.00	\$ 5,000.00	\$ 65,000.00
Personnel	\$	\$ 2,000.00	\$ 2,000.00
Grant Administration	\$ 0.00	\$	\$
Total	\$ 60,000.00	\$ 7,000.00	\$ 67,000.00

Source of Matching Funds:	Funding Amount:	Date Funding Available:
City of Rio Vista General Fund	\$ 7,000.00	5/1/2025
	\$	
	\$	

If reduced funding was available, would your project be able to proceed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, what is the minimum funding level at which your project could proceed? \$ 55,000.00

This application must be signed by the signing authority listed on this form. By signing this document, you are declaring that:

- All information contained in this document and in any attachment is true, accurate and complete to the best of your knowledge.
- The responsible official has the authority to apply for the grant funds on behalf of the applicant named.
- The applicant agrees to the terms and conditions of the agreement (included in the program information).
- Approved projects cannot be altered in any way without prior approval from the District (see draft agreement).

Signature: 	Date: 04/17/2025
Print Name: Kristina Miller	

**Application Deadline is 4:00 p.m. on Friday, April 18, 2025. Submit completed applications by:**

**Email:** [cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

**Mail:** 1947 Galileo Court, Ste. 103, Davis, CA 95618





# CITY OF RIO VISTA

One Main Street, Rio Vista, California 94571  
Phone (707) 374-6451 Fax: (707) 374-5531

Yolo-Solano Air Quality Management District  
1947 Galileo Court, Ste. 103  
Davis, CA 95618  
[cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

## City of Rio Vista Project Green proposal:

The City of Rio Vista proposes the purchase of one (1) 2024 Ford F-150 Lightning all-electric pickup truck as a new addition to the City's Public Works Department fleet. This initiative supports the goals of the Yolo-Solano Air Quality Management District's Clean Air Funds Program by increasing the number of clean vehicles in public sector use, reducing emissions, and promoting the adoption of zero-emission vehicle (ZEV) technology. This vehicle will be used for daily city operations. The F-150 Lightning will mark the City's first electric truck and support the transition toward a cleaner, more efficient municipal fleet.

Gas-powered vehicles are a major source of air pollution in the Yolo-Solano region, emitting nitrogen oxides, volatile organic compounds, and carbon dioxide—pollutants linked to smog, health issues, and climate change. Adding an electric vehicle will reduce emissions in several ways:

- The F-150 Lightning produces zero tailpipe emissions, improving local air quality, particularly in residential and high-traffic areas.
- Based on 10,000 miles of annual use, it's projected to prevent the release of:
  - 4.6 metric tons of CO<sub>2</sub>
  - 13–20 lbs. of NO<sub>x</sub>
  - 300–400 g of PM<sub>2.5</sub>
  - 1.5–2 lbs. of VOCs(estimates based on CARB and EPA data for comparable gas-powered trucks)
- It eliminates the need for gasoline or diesel, reducing fossil fuel reliance.

This action helps advance YSAQMD's mission to reduce mobile source pollution and contributes to state goals under the California Air Resources Board Advanced Clean Fleets regulation.

By proactively expanding its clean fleet, Rio Vista sets an example for other small cities and agencies in the region and helps reduce the cumulative impact of municipal operations on air quality.



Date: 4/10/2025  
 Salesperson: John Walker  
 Manager: John Walker  
 Customer ID #: 49158866853

**FOR INTERNAL USE ONLY**

<b>BUSINESS NAME</b>	<i>The City Of Rio Vista</i>	Home Phone :
<b>CONTACT</b>	<i>Jessica</i>	
	<i>One Main St</i>	
Address :	<i>Rio Vista, CA 94571</i>	Work Phone :
	<i>Solano</i>	
E-Mail :	<i>jgonzalez@ci.rio-vista.ca.us</i>	Cell Phone : <i>(925) 913-0244</i>

<b>VEHICLE</b>			
Stock # :	<i>910624</i>	New / Used :	<i>New</i>
VIN :	<i>1FTVW1BK7RWG06043</i>		Mileage: <i>123</i>
Vehicle :	<i>2024 Ford F-150 Lightning</i>		Color : <i>OXFORD WHITE</i>
Type :	<i>Pro All-Wheel Drive SuperCrew Cab 5</i>		<i>W1B</i>
Body Size :	Style :	Weight : <i>6054</i>	Unit Class :

Selling Price	61,095.00
Discount	2,074.42
Rebate	500.00
Adjusted Price	58,520.58
Doc Fee	85.00
Tax	5,393.38
Estimated DMV Fees	41.75
Cash Deposit	.00
Balance	64,040.71

Walnut Creek Ford - Proudly serving the Bay Area for 30 years under the same ownership.





# Yolo-Solano Air Quality Management District

## 2025 Clean Air Funds Application

Please complete this form. All fields are required. For details on project proposals including general project criteria, category-based project criteria and cost-effectiveness, please review the 2025 Clean Air Funds Program Information. Please contact District staff if you have questions regarding this form.

**Attach required Project Proposal to this completed application form.**

### Applicant Information:

Business/Organization Name: <b>Vacaville Neighborhood Boys &amp; Girls Club</b>		
Physical Address: <b>100 Holly Lane</b>		
City: <b>Vacaville</b>	State: <b>CA</b>	Zip: <b>95688</b>
Mailing Address (if different from above):		
City:	State:	Zip:
Primary Contact Name: <b>Kelsey Spencer</b>		Title: <b>Resource Development Director</b>
Phone: <b>(707) 898-3887</b>	Fax:	Email: <b>kspencer@vnbgc.com</b>
Signing Authority Name: <b>Kelsey Spencer</b>		Title: <b>Resource Development Director</b>
Phone: <b>(707) 898-3887</b>	Fax:	Email: <b>kspencer@vnbgc.com</b>

### Project Information:

Project Title: <b>Driving Clean Change for Vacaville Boys &amp; Girls Club</b>		
Brief Project Description: <b>Replacing Club's existing gas-powered transit van with a clean alternative. Please see attached for more information, including cost-effectiveness calculation.</b>		
Project Category: <input checked="" type="checkbox"/> Clean Vehicle Technology <input type="checkbox"/> Transit Services <input type="checkbox"/> Alternative Transportation <input type="checkbox"/> Public Information/Education		
Start Date: <b>July 2025</b>	Implementation Date*: <b>September 2025</b>	Completion Date: <b>September 2025</b>
Project Life**: <b>10+ years</b>		<i>Not applicable to Public Education/Outreach Projects</i>
* Implementation date is the date that the project will begin it's intended benefit to the community. E.g., school assemblies begin, construction completed, etc.		
** Project Life is how long the project will continue to be used. E.g., road/vehicle useful life, etc.		



**Funding Information:**

Total Project Budget: <b>\$78,900</b>		
Period: <b>July-August 2025</b>	Activity Description: <b>Vehicle procurement</b>	\$ <b>\$76,900.00</b>
Period: <b>September 2025</b>	Activity Description: <b>Vehicle delivered</b>	\$ <b>\$0.00</b>
Period: <b>September 2025</b>	Activity Description: <b>Charging station installation</b>	\$ <b>\$2,000.00</b>
Period: <b>September 2025</b>	Activity Description: <b>Transportation program begins</b>	\$ <b>\$0.00</b>
Total Project Amount:		\$ <b>\$78,900.00</b>
Funding Requested:		\$ <b>\$78,900.00</b>

**Budget Breakdown**

Expense Type	YSAQMD Funding	Match Funding	Total
Capital	\$ <b>\$76,900.00</b>	\$ <b>\$0.00</b>	\$ <b>\$76,900.00</b>
Personnel	\$ <b>\$2,000.00</b>	\$ <b>\$0.00</b>	\$ <b>\$2,000.00</b>
Grant Administration	\$ <b>\$0.00</b>	\$ <b>\$0.00</b>	\$ <b>\$0.00</b>
Total	\$ <b>\$78,900.00</b>	\$ <b>\$0.00</b>	\$ <b>\$78,900.00</b>

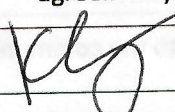
Source of Matching Funds:	Funding Amount:	Date Funding Available:
	\$	
	\$	
	\$	

If reduced funding was available, would your project be able to proceed?

☒ Yes☐ NoIf Yes, what is the minimum funding level at which your project could proceed? **\$ \$76,900.00**

This application must be signed by the signing authority listed on this form. By signing this document, you are declaring that:

- All information contained in this document and in any attachment is true, accurate and complete to the best of your knowledge.
- The responsible official has the authority to apply for the grant funds on behalf of the applicant named.
- The applicant agrees to the terms and conditions of the agreement (included in the program information).
- Approved projects cannot be altered in any way without prior approval from the District (see draft agreement).

Signature: 	Date: <b>4/14/2025</b>
Print Name: <b>Kelsey Spencer</b>	

**Application Deadline is 4:00 p.m. on Friday, April 18, 2025. Submit completed applications by:**

Email: [cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

Mail: 1947 Galileo Court, Ste. 103, Davis, CA 95618



## **Vacaville Neighborhood Boys & Girls Club Clean Air Fund – Yolo-Solano AQMD Application**

### **Local Benefit**

The proposed project will take place entirely within the jurisdiction of the Yolo-Solano Air Quality Management District, specifically in the city of Vacaville in northeastern Solano County. The Vacaville Neighborhood Boys & Girls Club serves almost 400 youth annually, primarily from underserved and working-class families. Safe and reliable transportation is a critical part of our ability to connect youth to out-of-school-time programs, field trips, community service opportunities, and enrichment activities.

We are working with Model1 to procure a fully electric 2023 Ford E-Transit full size passenger van, which will include an EV charging station. The van we are looking to replace is a 2014 Chevrolet Express passenger van which currently travels approximately 50 miles per week (or 2,600 miles per year), primarily serving as a shuttle for program participants between local schools to our Club and off-site events. The gross vehicle weight rating is 9,600 pounds, and we currently use E85 ethanol gasoline. While this may seem modest, these short, frequent trips generate a disproportionate share of emissions due to frequent idling and stop-and-go city driving. Replacing the gas-powered van with a clean energy alternative will significantly reduce the emissions associated with these routine routes.

The addition of an on-site EV charging station at our new Clubhouse will ensure consistent access to clean fuel infrastructure for our Club and the greater Vacaville community, and help support the long-term viability of a potential clean vehicle fleet for our Club. By reducing transportation-related emissions while continuing to serve local families, this project supports the District's mission to protect human health and property from the harmful effects of air pollution.

### **Project Merit**

The Vacaville Neighborhood Boys & Girls Club's proposed clean transportation project demonstrates strong potential for measurable air quality improvements and aligns closely with the Clean Vehicle Technology category. By replacing an older gasoline-powered van with a new, zero-emission passenger vehicle and installing on-site charging infrastructure, the Club is taking a proactive and achievable step toward reducing mobile source emissions within northeastern Solano County.

The project is designed to be both cost-effective and realistic. We are working with Model1, a reputable clean vehicle supplier that specializes in upfitting passenger vehicles for fleet and nonprofit use. We are in the process of securing a vendor quote that will outline the full cost breakdown of the electric van. The new vehicle will directly replace an existing van that currently travels approximately 50 miles per month, primarily transporting youth to and from schools and community events. Although the mileage is modest, frequent short trips with idle time make this an ideal candidate for electrification.

The Club is also in the planning stages for the construction of a new, permanent Clubhouse in Vacaville, where the electric vehicle charging station will be installed. We are coordinating with our general contractor and utility provider to ensure that the facility will be fully equipped to support EV infrastructure upon completion.

### Project Timeline & Readiness to Proceed

Milestone	Estimated Completion
Grant funds available	July 1, 2025
Vehicle procurement through Model1	July–August 2025
New van delivered	September 2025
Charging station installation	September 2025
Transportation program begins	September 2025

### Cost-Effectiveness Calculation

To calculate the cost-effectiveness of this project, we used the formula provided by the Yolo-Solano Air Quality Management District:

$$\text{Total Project Cost} \div [(20 \times \text{PM reductions}) + \text{ROG reductions} + \text{NOx reductions}]$$

For this project, the total cost is \$78,900, which includes the purchase of a 2023 Ford E-Transit 350 electric passenger van and installation of an EV charging station. We are replacing a 2014 Chevy Express gasoline-powered transit van, which currently averages 50 miles of travel per month.

We used conservative emissions reduction factors from CARB estimates for light-duty gasoline vehicle replacement projects:

- PM (Particulate Matter): 0.0002 tons/year
- ROG (Reactive Organic Gases): 0.0075 tons/year
- NOx (Nitrogen Oxides): 0.016 tons/year
- 

Plugging these values into the formula:

$$78,900 \div [(20 \times 0.0002) + 0.0075 + 0.016] = 78,900 \div 0.0275 \approx \$2,869,091 \text{ per ton reduced}$$

While this figure exceeds traditional cost-effectiveness benchmarks, it's important to note that this project serves multiple strategic goals:

- Replaces a gasoline-powered vehicle with a zero-emission electric van
- Lays the foundation for a future clean vehicle fleet through EV infrastructure
- Directly supports air quality improvements in a priority population area (northeastern Solano County)
- Offers a replicable model for small nonprofits transitioning to clean transportation



This project reflects our Club's long-term commitment to sustainability and environmental health for the youth and families we serve in Vacaville.

### **Matching Funds**

This project does not include any matching funds at this time. However, the Vacaville Neighborhood Boys & Girls Club is committed to ensuring the successful completion of this project and is prepared to leverage its existing financial resources to manage the costs associated with procurement, installation, and ongoing operation of the new clean energy vehicle and charging infrastructure. Our ability to integrate these sustainability efforts into the broader development of the new Clubhouse facility will also support the long-term success and impact of the project.

### **Applicant History**

The Vacaville Neighborhood Boys & Girls Club is applying for funding through the 2025 Clean Air Funds Program for the first time. While we have not previously applied for this specific grant, we have a strong track record of managing and executing grants successfully across various program areas, including local, state, and federal grants, as well as foundational grants.

Our team is well-equipped to manage the procurement and installation of clean energy technologies, with experience in managing multi-phase projects and working with vendors to meet tight timelines. We have a dedicated full-time Resource Development Director who manages our ability to adhere to the reporting requirements of this grant and to complete the project on time and within budget.

### **Project Outcomes**

This project will directly contribute to improved air quality and sustainability within the Vacaville and northeastern Solano County communities by replacing an aging gas-powered van with a new, zero-emission vehicle, alongside the installation of a dedicated electric vehicle (EV) charging station at the new Clubhouse. Outcomes include:

- **Emissions & Fuel Consumption Reduction:** By replacing our 2014 gas-powered Chevy Express with a 100% electric 2023 Ford E-Transit passenger van, the Vacaville Neighborhood Boys & Girls Club will eliminate approximately 46 gallons of gasoline use annually. This transition results in a projected reduction of 902 pounds of CO<sub>2</sub> emissions per year, contributing to cleaner air and a healthier community.
- **EV Usage Tracking:** The Club will maintain a log of vehicle usage to track miles driven, charging events, and energy consumption. This will provide valuable data to evaluate how well the vehicle is meeting its intended purpose and gauge its long-term effectiveness.
- **Improved Air Quality:** The replacement of a gasoline-powered vehicle with a clean energy alternative will reduce local emissions, leading to improved air quality for youth and families participating in Club programs. This will contribute to the overall health and well-being of the community, particularly in underserved neighborhoods.

- **Community Use & Education:** The addition of an EV charging station will serve as public benefit as well as an educational tool for the local community, promoting clean energy practices and the adoption of electric vehicles. The Club will incorporate information about the project in our programming and outreach, showcasing the environmental benefits and demonstrating how the community can collectively reduce its carbon footprint.
- **Long-Term Environmental Impact:** The Club's investment in clean vehicle technology aligns with broader regional goals for environmental sustainability and climate resilience. The successful integration of the electric vehicle and charging infrastructure will serve as a model for other local organizations to follow suit.



## Brielle Jamros

---

**From:** Kelsey Spencer <kspencer@vnbgc.com>  
**Sent:** Friday, April 18, 2025 4:04 PM  
**To:** Brielle Jamros  
**Subject:** Fw: EV Transit

Hi Brielle,

Please see below for the most recent email with the cost breakdown from Model1. Thank you o much for your flexibility on tbhis while I wait for our new sales rep to get us a formal document!

We have actually been advertising the Clean Air Calendar Art Contest at our Club sites for the past few weeks, with the flyers displayed in our windows or bulletin boards! I will follow up with our Program Director to make sure our Site staff are encouraging Clubs kids to participate!

Thanks again,

*Kelsey Spencer*

Resource Development Director  
100 Holly Lane  
Vacaville, CA 95688  
(707) 898-3887

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VACAVILLE NEIGHBORHOOD  
BOYS & GIRLS CLUB

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**From:** Erica Baker <EBaker@model1.com>  
**Sent:** Thursday, April 17, 2025 3:48 PM  
**To:** Kelsey Spencer <kspencer@vnbgc.com>  
**Cc:** Anthony Chang <AChang@model1.com>  
**Subject:** RE: EV Transit

Kelsey,

We received confirmation that the \$71,000 is the price of just the vehicle and charger and does not include taxes and fees. We'll still try to get you a quote as soon as possible, but in the meantime, I can give you an informal breakdown of anticipated taxes and fees:

DMV doc prep fee (taxable): \$85.00  
DMV electronic filing fee: \$33.00  
Tire fee: \$7.00  
Sales tax(8.125%): \$5,775.66

Please let us know if you have any other questions.

Thank you,

## ERICA BAKER

GRANTS MANAGER



**EMAIL:** ebaker@model1.com

**OFFICE:** 463-234-9400 x657

**MOBILE:** 909-838-7426

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**From:** Erica Baker <EBaker@model1.com>

**Sent:** Thursday, April 17, 2025 3:21 PM

**To:** Kelsey Spencer <kspencer@vnbgc.com>

**Cc:** Anthony Chang <AChang@model1.com>

**Subject:** RE: EV Transit

Hi Kelsey,

A level 2 charger would be included with the vehicle at no cost. I am just waiting for confirmation of whether the \$71,000 includes taxes and fees or not. I will let you know ASAP.

Below is the information we would need for the ISEF application:

- Official organization name
- Primary contact name, email, and phone # (must have signing authority)

- Secondary contact name and email (optional but helpful if the main person working on this does not have signing authority)
- Domicile address (where the vehicles will be stored overnight)
- Mailing address
- TIN #
- DOT # (Or reason for exemption – See the attachment for details.)
- CA # (Or reason for exemption – See the attachment for details.)
- Number of vehicles in your fleet that are over 8,500 lbs GVWR
- TRUCRS # (only applicable for fleets with diesel vehicles over 14,000 lbs GVWR - Please let us know if you're exempt due to not owning any diesel vehicles over 14,000 lbs GVWR.)

Thank you,

## ERICA BAKER

GRANTS MANAGER



EMAIL: ebaker@model1.com

OFFICE: 463-234-9400 x657

MOBILE: 909-838-7426

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**From:** Erica Baker <[EBaker@model1.com](mailto:EBaker@model1.com)>

**Sent:** Monday, March 24, 2025 8:15 AM

**To:** Kelsey Spencer <[kspencer@vnbgc.com](mailto:kspencer@vnbgc.com)>

**Subject:** RE: EV Transit

Hi Kelsey,

Thanks for reaching out! Here is the link to register for the Yolo-Solano AQMD grant webinar: [Webinar Registration - Zoom](#)

Attached are overviews of the ISEF program as well as the Clean Air Fund program at Yolo-Solano AQMD. I'm also attaching the ISEF guidelines on Common Ownership or Control so you can make sure your organization qualifies as a "small fleet" of 20 vehicles or fewer. I sent this to Anna as well but want to make sure someone from your team has looked into it thoroughly.

We can go over all of this in our meeting. I am available all day tomorrow after 10am or Wednesday after that webinar, which should end at 10:30am. Please let me know what time works for you.

Thank you,

**ERICA BAKER**

GRANTS MANAGER



EMAIL: [ebaker@model1.com](mailto:ebaker@model1.com)

OFFICE: 463-234-9400 x657

MOBILE: 909-838-7426

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**From:** Kelsey Spencer <[kspencer@vnbgc.com](mailto:kspencer@vnbgc.com)>

**Sent:** Thursday, March 20, 2025 4:40 PM

**To:** Erica Baker <[EBaker@model1.com](mailto:EBaker@model1.com)>

**Subject:** Re: EV Transit

This is the first time you received an email from this sender ([kspencer@vnbgc.com](mailto:kspencer@vnbgc.com)). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi Erica,

My name is Kelsey Spencer and I am the Resource Development Director for the Vacaville Neighborhood Boys & Girls Club.

Our CEO, Anna Eaton, asked me to reach out to you to schedule a meeting to talk about the ISEF and HVIP grant programs. I understand there is a webinar on the 26<sup>th</sup> for one of the opportunities. Can you please let me know how I can register for that?

Thanks so much!

*Kelsey Spencer*

Resource Development Director  
100 Holly Lane  
Vacaville, CA 95688  
(707) 898-3887

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VACAVILLE NEIGHBORHOOD  
BOYS & GIRLS CLUB

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**From:** Anna Eaton <[aeaton@vnbgc.com](mailto:aeaton@vnbgc.com)>  
**Sent:** Tuesday, March 11, 2025 11:39 AM  
**To:** Kelsey Spencer <[kspencer@vnbgc.com](mailto:kspencer@vnbgc.com)>  
**Subject:** Fw: EV Transit

Please schedule a meeting with Erica to review the grant needs and also plan to attend the workshop on March 26.

*Anna Dinh Eaton*

**Chief Executive**

The Vacaville Neighborhood Boys & Girls Club  
100 Holly Lane  
Vacaville, CA 95688  
707-999-5034

**BEHIND EACH AND EVERY  
GREAT KID IS A GREAT  
ADULT, SETTING A GREAT  
EXAMPLE.**

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**From:** Erica Baker <[EBaker@model1.com](mailto:EBaker@model1.com)>

**Sent:** Monday, March 10, 2025 1:02 PM

**To:** Stanley Soebianto <[SSoebianto@model1.com](mailto:SSoebianto@model1.com)>; Anna Eaton <[aeaton@vnbgc.com](mailto:aeaton@vnbgc.com)>

**Cc:** Rob Landry <[RLandry@model1.com](mailto:RLandry@model1.com)>; Joe Stergios <[JStergios@model1.com](mailto:JStergios@model1.com)>

**Subject:** RE: EV Transit

Hi Anna,

Thank you for your time today. Attached is an overview of the ISEF program as well as the appendix on “common ownership or control” as it relates to determining your fleet size. Please review the appendix to confirm that your organization qualifies as a small fleet of 20 vehicles or fewer.

In order to submit an ISEF voucher request, I will need the following information:

- Official organization name
- Primary contact name, email, and phone # (must have signing authority)
- Domicile address (where the vehicles will be stored overnight)
- Mailing address
- TIN #
- DOT #
- CA #
- TRUCRS # (only applicable for fleets with diesel vehicles over 14,000 lbs GVWR)

Additionally, we will need to submit a Buyer’s Order Contract, which Stanley can provide. This will need to be fully executed, but it is contingent on funding award.

Please let me know if you have any questions.

Thank you,

**ERICA BAKER**  
GRANTS MANAGER



EMAIL: ebaker@model1.com

OFFICE: 463-234-9400 x657

MOBILE: 909-838-7426

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**From:** Stanley Soebianto <[SSoebianto@model1.com](mailto:SSoebianto@model1.com)>

**Sent:** Monday, March 10, 2025 12:03 PM

**To:** Anna Eaton <[aeaton@vnbgc.com](mailto:aeaton@vnbgc.com)>

**Cc:** Rob Landry <[RLandry@model1.com](mailto:RLandry@model1.com)>; Joe Stergios <[JStergios@model1.com](mailto:JStergios@model1.com)>; Erica Baker <[EBaker@model1.com](mailto:EBaker@model1.com)>

**Subject:** EV Transit

Hi Anna,

Great speaking to you today and excited to hope to work with you on the EV Transits and hope that we can get them going for you. As discussed here is the contact of Erica Baker who was on the call with us.

Erica can set up the weekly cadence as she suggested with Kelsey as we go through the process and get it across the finish line.

Thank you again for the time and congratulations on the new facility to come.

**STANLEY SOEBIANTO**

COMMERCIAL BUSINESS DEVELOPMENT MANAGER



EMAIL: ssoebianto@model1.com

OFFICE: (463) 234-9400 x636

MOBILE: (909) 912-5607



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# Yolo-Solano Air Quality Management District

## 2025 Clean Air Funds Application

Please complete this form. All fields are required. For details on project proposals including general project criteria, category-based project criteria and cost-effectiveness, please review the 2025 Clean Air Funds Program Information. Please contact District staff if you have questions regarding this form.

**Attach required Project Proposal to this completed application form.**

### Applicant Information:

Business/Organization Name:			Solano County, Department of Resource Management		
Physical Address:			675 Texas Street, Suite 5500		
City: Fairfield		State: CA		Zip: 94533	
Mailing Address (if different from above):					
City:		State:		Zip:	
Primary Contact Name:			Frances Neade		Title: Engineering Technician Senior
Phone: 707-784-6779		Fax:		Email: fneade@solanocounty.gov	
Signing Authority Name:			James Bezek		Title: Director of Resource Management
Phone: 707-784-6062		Fax:		Email: jmbezek@solanocounty.gov	

### Project Information:

Project Title: Elmira Bikeway Project Phase 1		
Brief Project Description: The project consists of shoulder widening and paving to include signing and striping of Class II bike lanes along a 2.6 mile stretch of Lewis Road from Weber Rd to the RR Tracks.		
Project Category: <input type="checkbox"/> Clean Vehicle Technology <input type="checkbox"/> Transit Services <input checked="" type="checkbox"/> Alternative Transportation <input type="checkbox"/> Public Information/Education		
Start Date: 8/1/2025	Implementation Date*: 6/30/2026	Completion Date: 6/30/2026
Project Life**: 15-20 years		<i>Not applicable to Public Education/Outreach Projects</i>
<p>* Implementation date is the date that the project will begin it's intended benefit to the community. E.g., school assemblies begin, construction completed, etc.</p> <p>** Project Life is how long the project will continue to be used. E.g., road/vehicle useful life, etc.</p>		

**Funding Information:**

<b>Total Project Budget:</b>			
Period: 8/1/2025	Activity Description: Widen, Pave & Stripe		\$ 2,100,000.00
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Total Project Amount:			\$ 2,100,000.00
Funding Requested:			\$ 200,000.00
<b>Budget Breakdown</b>			
Expense Type	YSAQMD Funding	Match Funding	Total
Capital	\$ 200,000.00	\$ 1,900,000.00	\$ 2,100,000.00
Personnel	\$	\$	\$
Grant Administration	\$ 0.00	\$	\$
Total	\$	\$	\$ 2,100,000.00
Source of Matching Funds:		Funding Amount:	Date Funding Available:
Solano County		\$ 200,000.00	8/1/2025
		\$	
		\$	
If reduced funding was available, would your project be able to proceed?			Yes
If Yes, what is the minimum funding level at which your project could proceed? \$ 150,000.00			

This application must be signed by the signing authority listed on this form. By signing this document, you are declaring that:

- All information contained in this document and in any attachment is true, accurate and complete to the best of your knowledge.
- The responsible official has the authority to apply for the grant funds on behalf of the applicant named.
- The applicant agrees to the terms and conditions of the agreement (included in the program information).
- Approved projects cannot be altered in any way without prior approval from the District (see draft agreement).

Signature: 	Date: 4/9/2025
Print Name: James Bezek, Director of Resource Management	

**Application Deadline is 4:00 p.m. on Friday, April 18, 2025. Submit completed applications by:**

**Email:** [cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

**Mail:** 1947 Galileo Court, Ste. 103, Davis, CA 95618

# **Yolo-Solano Air Quality Management District**

Clean Air Funds Program  
for Fiscal Year 2025/2026

*Application*

*for the*

## **Elmira Bikeway Project Phase 1**

Solano County Department of Resource Management  
Public Works Engineering  
Attention: Matt Tuggle  
675 Texas Street, Suite 5500  
Fairfield, CA 94533  
(707) 784-6072

April 10, 2025

### **Table of Contents**

Application  
Project Proposal  
Project Location Map  
Engineers Estimate  
Supporting Documents

# Application/Proposal for the Elmira Bikeway Project Phase 1

## **Project Description**

Lewis Road is a 7-mile long rural road in Solano County, running from Hay Road near Fairfield, north to Midway Road near Dixon. Lewis Road is a route used in the bicycling community to travel among the cities of Fairfield, Vacaville and Dixon. Approximately 5,000 homes have been built on the eastern portions of Fairfield and Vacaville over the last decade producing more cycling along the County's eastern road network. With 5,000+ more homes approved in these areas, Lewis Road will see continuing growth as a major bike route connector for cyclists. The Elmira Bikeway represents the northern 5.5 miles of Lewis Road, from Fry Road to Midway Road, which will be built to add a new route towards an interstate freeway crossing at Midway Road. The Elmira Bikeway Project Phase 1 ("Project") proposes to add Class II bike lanes and graded shoulders along 2.6 miles of Lewis Road, from the RR Tracks north to Weber Road.

The Lewis Road/Elmira Bikeway, as a Route of Regional Significance, has been targeted for improvement in the Solano Transportation Authority plans since 2012. The route was included to provide cyclists a safe north-south ride that avoids city streets. The Elmira Bikeway also provides connectivity to three adjoining routes that are either completed or are planned for improvement:

- 1) Midway Road at Interstate 80
  - a. From Lewis Road to Pitt School Road (3 miles)
- 2) Hawkins Road Class II bike lanes
  - a. From Leisure Town Road to Lewis Road (2 miles)
- 3) Fry Road Class II bike lanes
  - a. From Leisure Town Road to Lewis Road (2 miles)
  - b. From Lewis Road to State Highway 113 (4 miles)

To encourage and accommodate bicycling as an alternative mode of transportation, Solano County has been working diligently to provide Class II bikeway connectors throughout the unincorporated areas that connect the cities. The Project proposes to widen pavement width on Lewis Road adding paved shoulders to the existing roadway to provide for the Class II bike lanes. Solano County recently used this approach, with the help of the YSAQMD funds, to construct bike lanes and shoulders along unincorporated Pedrick Road and Winters/Putah Creek Roads as important regional connections used by bicyclists.

This application/proposal is for the design and construction of the 2.6-mile segment of Lewis Road from the Weber Road to the RR Tracks (see attached Project Site Map). By widening Lewis Road, Solano County will improve a growing route for cyclists. In order to accommodate Class II bike lanes, the roadway will be widened to 32-feet to provide safe clearance between vehicles and cyclists. Work will include pavement widening, graded shoulder widening, signing, and striping for 5-foot bike lanes. Once the bike lanes and shoulders are built, Solano County will perform all

future maintenance in perpetuity. Such maintenance includes sweeping, crack sealing, overlays and chip seals that are required for the lanes/shoulders to remain in good condition.

Investing in paved shoulders and bike lanes along this roadway will provide the following:

- 1) Create permanent benefits for air quality by improving an important cycling route adjacent to Fairfield, Elmira, Vacaville, and Dixon;
- 2) Create a direct bicycle route along a Route of Regional Significance that connects to Interstate 80 and enhances connections between the cities and counties; and,
- 3) Enhance general safety for cyclists for this popular route.

Currently, cyclists using this bike route are forced to ride in the vehicle lanes with no shoulders, in close proximity to cars, trucks, and farm equipment that travel this route. The first phase of the Project is a 2.6-mile stretch of Lewis Road that was incorporated into the Solano Transportation Authority (STA) Countywide Bicycle Master Plan 2012, with numerous requests for improvement from cyclists and the Solano Transportation Authority's Bicycle Advisory Committee. Lewis Road was added to the Solano Countywide Active Transportation Plan in 2022. It is recognized as a Route of Regional Significance by Solano Transportation Authority's Comprehensive Transportation Plan 2020 and is a vital connection in the Solano County General Plan. These connecting roads are particularly important to cyclists as alternatives to the highway system, which includes Weber Road, Midway Road, Porter Road, Hawkins Road, and Pitt School Road.

The Solano Yolo Bike Links Map has this route listed as a connector between the two counties (see attached map). The Map denotes that the shoulders are variable widths. The expected growth along this route will provide scenic rides through some of Solano County's best prime agricultural lands. The expansion of orchards in these areas provide better wind protection along the picturesque route. In general, this area of Solano County is ideal for alternative modes of transportation, as the roads are straight, mostly flat, and with excellent weather for much of the year.

Solano County has been building bike lane and shoulder improvements along many of the County's roads over the last decade utilizing a 5-year Capital Improvement Plan process. Over 40 miles of paved shoulder and bike lane improvements have generally reduced vehicle and bicycle collisions. Cyclists that ride these routes, local landowners, and drivers recognize the width conflicts along the narrower routes, so local support for these project improvements has been abundant. Solano County is committed to continuing efforts to create safe, comfortable, and convenient access for all roadway users.

## **Funding**

In order to complete the Project improvements, the County needs funding assistance from the Solano Transportation Authority and Yolo Solano Air Quality Management District to complete the work. This project is proposed to be funded using Senate Bill 1 (Gas Tax) funds and the Solano County Road Fund. This project is estimated to cost \$2,100,000. The County is seeking \$200,000 in Yolo Solano Air Quality Management District funds to help subsidize the Class 2 bike lane installation costs.

## **Goals**

### Short Term

- Goal 1: Create a functional facility that serves major and minor destinations, provides a relatively direct connection in the County, and follows routes already used by bicyclists.
- Goal 2: Build upon and connect to existing and planned trails wherever possible.
- Goal 3: Meet the requirements of Solano County and other relevant agencies.
- Goal 4: Design the facility to meet state and federal standards.
- Goal 5: Deliver Vision Zero goal for safety: Design roadway to maximize user safety and convenience while minimizing conflicts with traffic throughput.

### Long Term

- Goal 6: Create a safer, more comfortable environment to encourage ridership in the area.
- Goal 7: Improve the Routes of Regional Significance throughout northern Solano County.
- Goal 8: Reduce vehicle trips and vehicle miles traveled in the corridor.
- Goal 9: Increase the bicycling mode share in Solano from about 1% to 4% over 20 years.
- Goal 10: Make Solano County a model for bike transportation in California.

## **Air Quality Benefit**

The Elmira Bikeway Project Phase 1 will provide an integral bicycle connection among the cities of Fairfield, Vacaville and Dixon and the unincorporated County. The bikeway will help link the adjacent city population base of approximately 121,202 people according to the 2022 Census. As the cities continue to develop housing along this region, these populations will need the Elmira Bikeway to accommodate the ridership increases as well.

Commuter and recreational cyclists will travel to the shopping districts, entertainment, and recreational destinations between the cities. The businesses that accommodate riders within the cities will see an economic benefit from people coming to use their facilities from outside the area.


Lewis Road serves as an important regional connector as a Route of Regional Significance, particularly as it connects to Interstate 80 at Midway Road. Shoulder improvements along the Route will provide a permanent air quality benefit for cyclists that will be maintained by Solano County. By enhancing this important connector, we allow people in our communities to consider and explore new non-greenhouse gas emitting transportation alternatives which directly improves our air quality.




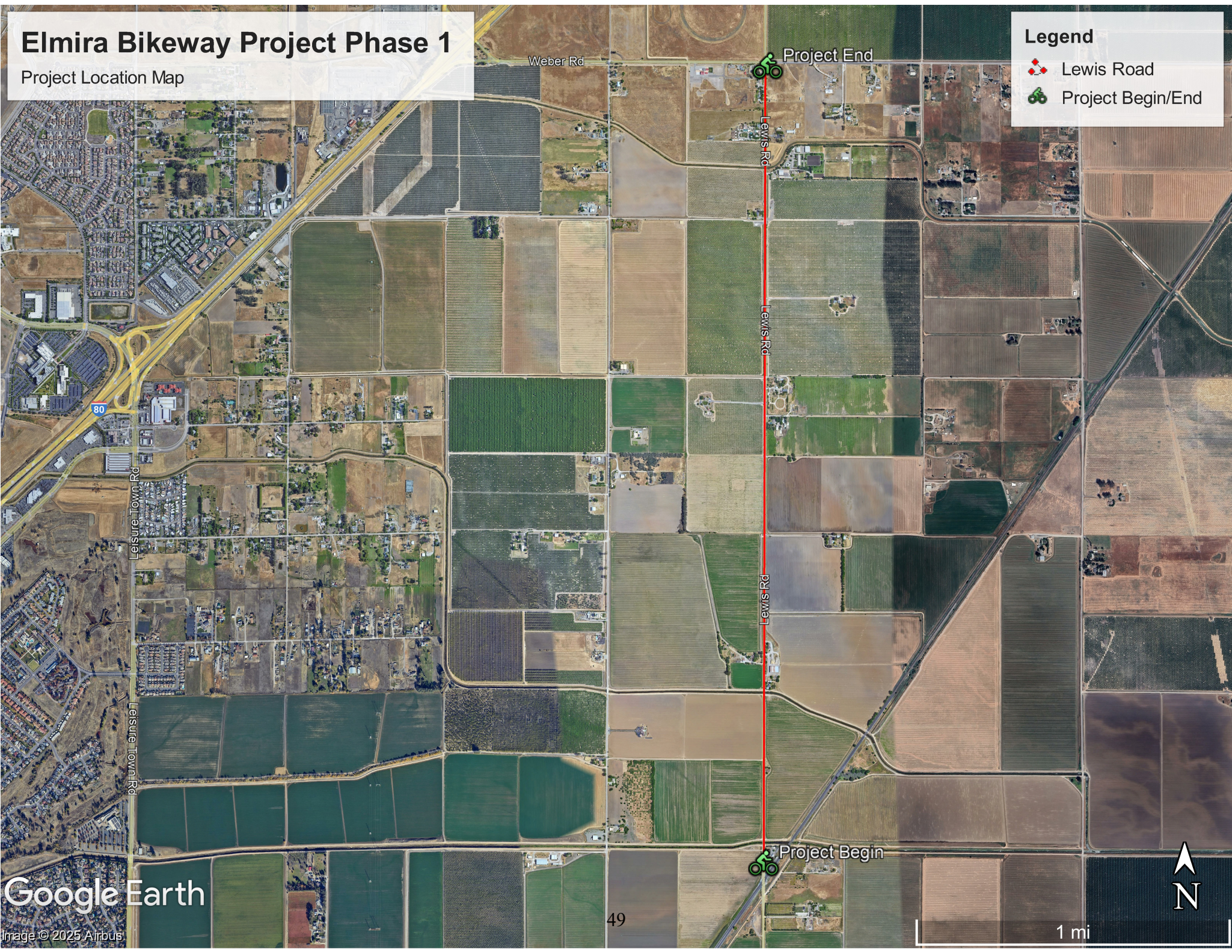
# Elmira Bikeway Project Phase 1

Project Location Map

Legend

 Lewis Road

 Project Begin/End





**ELMIRA BIKEWAY PROJECT PHASE 1**  
**ENGINEER'S ESTIMATE**

STANDARD SPEC 2018- SUB. SECT.	ITEM NO.	ITEM DESCRIPTION	UNIT OF MEASURE	ESTIMATED QUANTITY	UNIT PRICE IN FIGURES	TOTAL PRICE IN FIGURES
<b>LEWIS ROAD - 0.5 MILE N. OF HAWKINS TO WEBER RD</b>						
9-1		MOBILIZATION	LS	1	\$ 75,000.00	\$ 75,000.00
12-1		FLAGGING STRAIGHT TIME(S) *	HRS	560	\$ 108.08	\$ 60,524.80
12-1		FLAGGING OVERTIME * (S)	HRS	140	\$ 128.98	\$ 18,057.20
12-1		TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE (S)	LS	1	\$ 20,000.00	\$ 20,000.00
12-3		CONSTRUCTION AREA SIGNS (S)	LS	1	\$ 7,500.00	\$ 7,500.00
13-2		STORMWATER POLLUTION PREVENTION PLAN	LS	1	\$ 12,000.00	\$ 12,000.00
15-1		POTHOLING (VACTOR EXTRACTION)	EA	5	\$ 900.00	\$ 4,500.00
15-1		REMOVE AND DISPOSE CONCRETE DRIVEWAY	SF	778	\$ 35.00	\$ 27,230.00
		REMOVE AND DISPOSE EXISTING FACILITIES	LS	1	\$ 7,500.00	\$ 7,500.00
17-2		CLEARING AND GRUBBING	LS	1	\$ 20,000.00	\$ 20,000.00
19-2		DITCH EXCAVATION	LF	2371	\$ 6.50	\$ 15,411.50
19-6		EMBANKMENT	CY	25	\$ 500.00	\$ 12,500.00
22-1		FINISH ROADWAY	LS	1	\$ 20,000.00	\$ 20,000.00
39-2		HMA EDGE WIDENING (TYPE A-3/4" )	SF	103139	\$ 7.50	\$ 773,542.50
39-2		HMA EDGE WIDENING EXTRA DEPTH (3 INCH) (TYPE A-3/4" )	SF	4520	\$ 4.50	\$ 20,340.00
39-2		HOT MIX ASPHALT (TYPE A-1/2"), MAINLINE	TON	5385	\$ 130.00	\$ 700,050.00
39-2		HOT MIX ASPHALT (TYPE A-1/2"), INTX & DRWY & TAPER	TON	30	\$ 250.00	\$ 7,500.00
39-2		BASE FAILURE REPAIRS (DIG-OUTS) (HMA TYPE A - 3/4")	SF	7674	\$ 8.00	\$ 61,392.00
39-3		COLD PLANING ASPHALT CONCRETE PAVEMENT	SF	11039	\$ 2.00	\$ 22,078.00
78-2		MONUMENT WELL	EA	10	\$ 2,500.00	\$ 25,000.00
78-21		RELOCATE MAILBOX	EA	15	\$ 300.00	\$ 4,500.00
82-3		ROADSIDE SIGN (S)	EA	11	\$ 600.00	\$ 6,600.00
82-9		REMOVE AND SALVAGE ROADSIDE SIGN (S)	EA	3	\$ 300.00	\$ 900.00
84-2		CULVERT MARKER	EA	6	\$ 250.00	\$ 1,500.00
84-2		THERMOPLASTIC TRAFFIC STRIPE - DETAIL 6 ( 4 INCH -YELLOW) (S)	LF	10141	\$ 1.25	\$ 12,676.25
84-2		THERMOPLASTIC TRAFFIC STRIPE - DETAIL 19 ( 4 INCH -YELLOW) (S)	LF	400	\$ 4.00	\$ 1,600.00
84-2		THERMOPLASTIC TRAFFIC STRIPE - DETAIL 22 (4 INCH -YELLOW) (S)	LF	100	\$ 10.00	\$ 1,000.00
84-2		THERMOPLASTIC TRAFFIC STRIPE - DETAIL 27B ( 4 INCH -WHITE) (S)	LF	420	\$ 1.50	\$ 630.00
84-2		THERMOPLASTIC TRAFFIC STRIPE - DETAIL 39 ( 6 INCH -WHITE) (S)	LF	20142	\$ 1.00	\$ 20,142.00
84-2		THERMOPLASTIC TRAFFIC STRIPE - DETAIL 39A ( 6 INCH -WHITE) (S)	LF	820	\$ 2.00	\$ 1,640.00
84-2		THERMOPLASTIC PAVEMENT MARKINGS (S)	SF	68	\$ 20.00	\$ 1,360.00
90-2		MINOR CONCRETE (6 INCH CONC. DRIVEWAY)	SF	665	\$ 35.00	\$ 23,275.00
96-1		GEOSYNTHETICS PAVEMENT INTERLAYER (PAVING FABRIC)	SY	43378	\$ 2.00	\$ 86,756.00
				<b>SUBTOTAL</b>	<b>\$ 2,072,705.25</b>	



May 24, 2022

### **Solano Countywide Active Transportation Plan – Projects List Amendment**

The Comprehensive Transportation Plan (CTP) serves as STA’s primary long range planning document that guides and prioritizes the STA’s investments in transportation. An element of the CTP is the Active Transportation Element, which guides STA’s investment in bike and pedestrian related projects and programs. The STA Board adopted the Solano ATP in April of 2020.

In May 2022, the STA amended the original plan to include additional new projects submitted by each individual jurisdiction. There were 39 new projects in total added to the ATP – included as Attachment A. Additionally, the amendment adds the countywide SR2S projects list to the ATP projects list, establishing consistency between both documents.

This ATP amendment was adopted by the STA Board at their meeting on Wednesday, May 11, 2022.

#### **Attachments:**

- A. ATP Amendment – Projects List by Jurisdiction

## COUNTY OF SOLANO

Project Name	Location	Scope of Work	Cost Estimate	Enhances Connectivity	Enhances School Access/SR2S	Enhances Transit Access	In/Near Equity Priority Community	Secured Funding	In/Near MTC Designated Growth Geography	Enhances Recreational Trail Access
Midway Road Bike Improvements	Midway Rd. from Timm Rd. to Pedrick Rd.	Add Class II Bike Lanes, may explore Class I possibility	TBD	Yes	No	No	Yes	No	No	No
Pedrick Road Bike Improvements	Pedrick Rd. from Main Prairie Rd. to Dixon CL	Add Class II Bike Lanes, may explore Class I possibility	TBD	Yes	No	No	Yes	No	No	No
Lyon Road Bike Improvements	Lyon Rd. from Cherry Glen Rd. to Fairfield CL	Add Class II Bike Lanes, may explore Class I possibility	TBD	Yes	No	No	No	No	No	Yes
Porter Road Bike Improvements	Porter Rd. from Midway Rd. to Pitt School Rd.	Add Class II Bike Lanes, may explore Class I possibility	TBD	Yes	No	No	Yes	No	No	No
Lewis Road Bike Improvements	Lewis Rd. from Fry Road To Midway Rd.	Add Class II Bike Lanes, may explore Class I possibility	TBD	Yes	No	No	No	No	No	No
Ramsey Road Bike Improvements	Fairfield CL (.35 miles south of Goldhill overcrossing)	Add Class II Bike Lanes, may explore Class I possibility	TBD	Yes	No	No	No	No	No	Yes
Benicia Road Bike and Ped Improvements	Benicia Rd. from Home Acres Avenue to Laurel St.	Add Class II Bike Lanes and sidewalk improvements	TBD	Yes	No	Yes	Yes	No	Yes	No
Weber Road Bike Improvements	Weber Rd. from Vacaville CL (1720 feet west of Brynes Rd) to Lewis Rd.	Add Class II Bike Lanes, may explore Class I possibility	TBD	Yes	No	No	No	No	No	No
Lewis Avenue Bike and Ped Improvements	Lewis Ave. from Vallejo CL (1720 Feet West of Glen Cove Pkway) to I-780 Overpass	Add Class II Bike Lanes, may explore Class I possibility and sidewalk improvements	TBD	Yes	No	Yes	Yes	No	No	No
Cordelia Road Bike Improvements	Cordelia Rd. from Beck Avenue to Suisun City CL	Add Class II Bike Lanes, may explore Class I possibility	TBD	Yes	No	Yes	Yes	No	Yes	No
McCormack Road Bike Improvements	McCormack Rd. from Canright Rd. to SR-113	Add Class II Bike Lanes, may explore Class I possibility	TBD	No	No	No	No	No	No	No
Foothill Drive Bike Improvements	Foothill Drive from Pleasants Valley Road to Vacaville CL	Add Class II Bike Lanes, may explore Class I possibility	TBD	Yes	No	No	No	No	No	No
Allendale Road Bike Improvements	Allendale Rd. from Timm Rd. to Harley Rd.	Add Class II Bike Lanes, may explore Class I possibility	TBD	Yes	No	No	No	No	No	No
English Hills Road Bike Improvements	English Hills Rd. from Cantelow Rd. to Peaceful Glen Rd.	Add Class II Bike Lanes, may explore Class I possibility	TBD	Yes	No	No	No	No	No	No
Tremont Road Bike Improvements	From Sparling Lane to Mace Boulevard	Add Class II Bike Lanes	TBD	Yes	No	No	No	No	No	Yes

## CITY OF SUISUN CITY

Project Name	Location	Scope of Work	Cost Estimate	Enhances Connectivity	Enhances School Access/SR2S	Enhances Transit Access	In/Near Equity Priority Community	Secured Funding	In/Near MTC Designated Growth Geography	Enhances Recreational Trail Access
Civic Center Boulevard Improvements	From Lotz and Civic Center Blvd. to Southern Terminus	Construct Class III Bicycle Route	TBD	Yes	Yes	Yes	No	No	Yes	No
Humphrey Drive Improvements	From Humphrey Drive North of Freida to Intersection with Railroad	Install Class I Multi-Use Path along East Side of Humphrey Drive	TBD	Yes	No	No	Yes	No	No	No
Grizzly Island Trail	Spur Trail along Grizzly Island Trail to Driftwood Court	Complete Class I Multi Use Path	TBD	Yes	Yes	Yes	No	No	Yes	Yes
Main Street Connector	Open Parcel North of HWY-12 and South of Rail Alignment	Future Street connecting Main Street and Railroad Avenue, alignment TBD, sidewalk improvements	TBD	Yes	No	Yes	No	No	Yes	Yes
Railroad Avenue Pedestrian Improvements	Along Railroad Avenue from Tabor Avenue to Sunset	Sidewalk Gap Closure	TBD	Yes	No	Yes	Yes	No	No	No





# SOLANO COUNTYWIDE BICYCLE TRANSPORTATION PLAN

The Future of Cycling | Active Travel | 2012

Adopted by the STA Board on December 14, 2011\*

\*Approved with the addition of comments submitted by the Technical Advisory Committee.  
These comments will be amended into this document by December 23, 2011



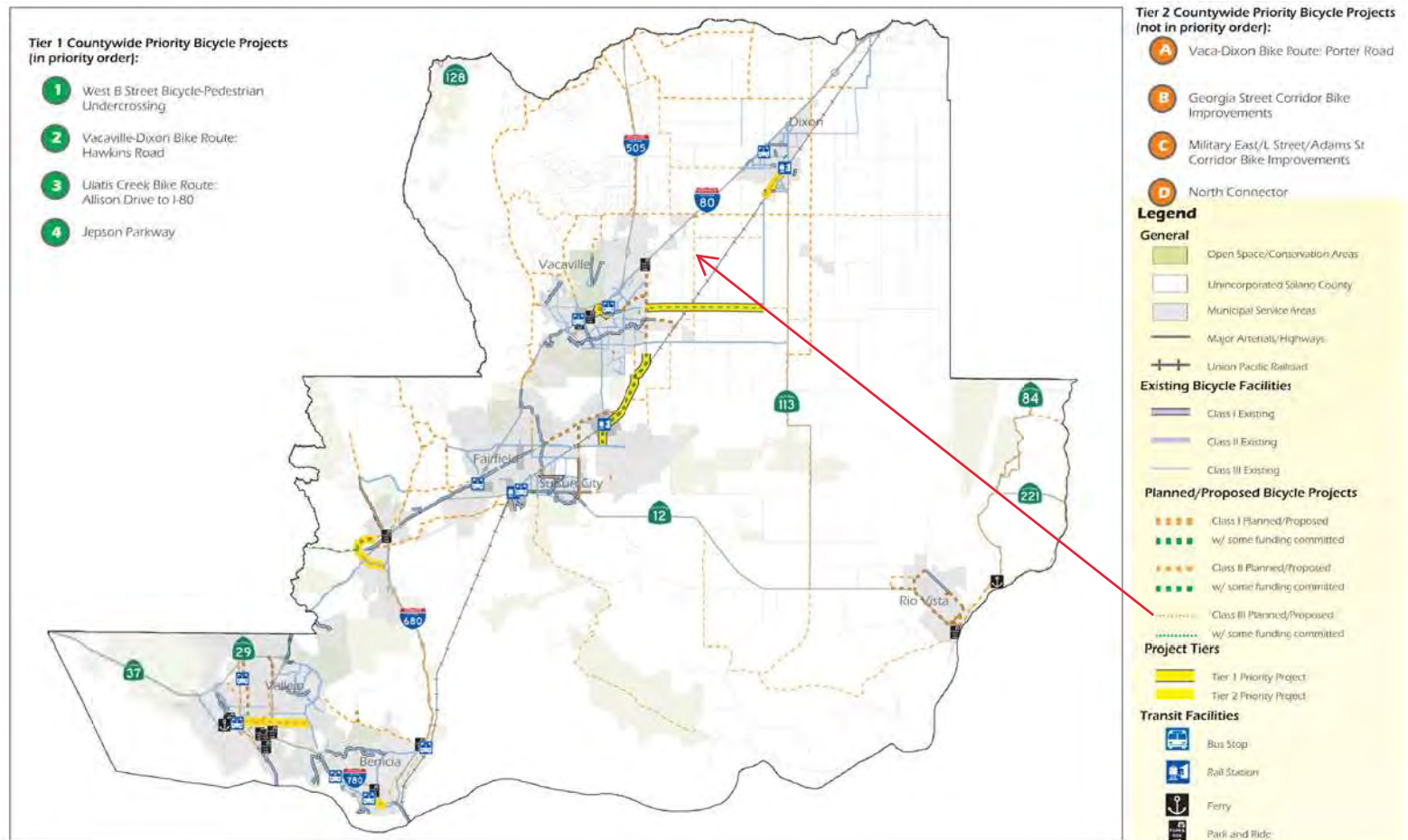
**TABLE 3-5B: Proposed Solano County Bikeway Network (Continued)**

ID	Agency	Project/Segment	From/To	Description	Project Status
123.	Solano County	Cantelow Road	Pleasants Valley Road to Timm Road	6.4 miles of class II bicycle lanes or III bicycle route from Pleasants Valley Road to Timm Road.	Planned
124.	Solano County	Weber Road	Lewis Road to Pitt School Road	3.0 miles of class III bicycle route from Lewis Road to Pitt School Road.	Planned
→ 125.	Solano County	Lewis Road	Midway Road to Fry Road	5.6 miles of class III bicycle route from Midway Road to Fry Road.	Planned
126.	Solano County	Holdener Road and A Street	Elmira Road to Fry Road	0.6 miles of class III bicycle route from Elmira Road to Lewis Road (Holdener turns into A Street).	Planned
127.	Solano County	South A Street	Elmira Road to Fry Road	1.1 miles of class III bicycle route from Elmira Road to Fry Road.	Planned
128.	Solano County	Meridian Road	Fry Road to McCrory Road	2.0 miles of class III bicycle route from Fry Road to McCrory Road.	Planned
129.	Solano County	McCrory Road	North Gate Road to Meridian Road	1.0 mile of class III bicycle route from North Gate Road to Meridian Road.	Planned
130.	Solano County	North Gate Road	McCrory Road to Canon Road	0.5 mile of class III bicycle route from McCrory Road to Canon Road.	Planned
131.	Solano County	Green Valley Road	Green Valley Treatment Plant Gate to Rockville Road	1.6 miles of class II bicycle route from Green Valley Treatment Plant Gate (also entrance to Green Valley Falls) to Rockville Road.	Planned
132.	Solano County	Stevenson Bridge Road	County Road 95A to Sievers Road	3.5 mile class II or III bike lanes from County Road 95A/Solano County Limit (north limit; near Willow Canal) to Sievers Road (south limit).	Planned
133.	Solano County	Sievers Road	Halley Road to Pedrick Road	6.5 mile class II bicycle lanes from Halley Road to Pedrick Road.	Planned



FIGURE 3-5B:

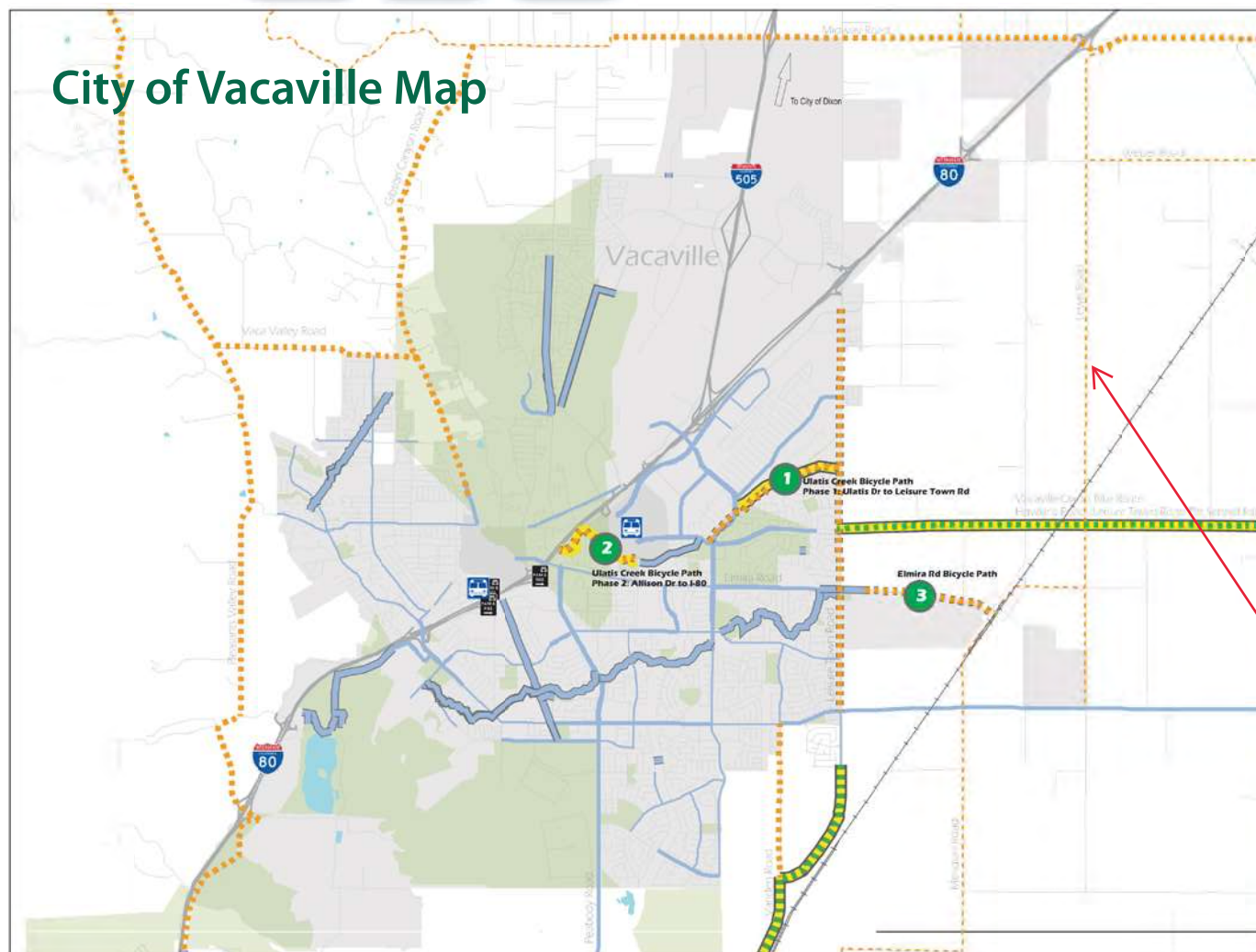
## Countywide Projects Map







## City of Vacaville Map



### Vacaville Proposed Priority Bicycle Projects:

- 1 Ulatis Creek Bicycle-Pedestrian Path Phase 1: Ulatis Dr to Leisure Town Rd
- 2 Ulatis Creek Bicycle-Pedestrian Path Phase 2: Allison Dr to I-80
- 3 Elmira Road Bicycle Path

### Legend

#### General

- Open Space/Conservation Areas
- Unincorporated Solano County
- Municipal Service Areas
- Major Arterials/Highways
- Union Pacific Railroad

#### Existing Bicycle Facilities

- Class I Existing
- Class II Existing
- Class III Existing

#### Planned/Proposed Bicycle Projects

- Class I Planned/Proposed w/ some funding committed
- Class II Planned/Proposed w/ some funding committed
- Class III Planned/Proposed w/ some funding committed

#### Project Tiers

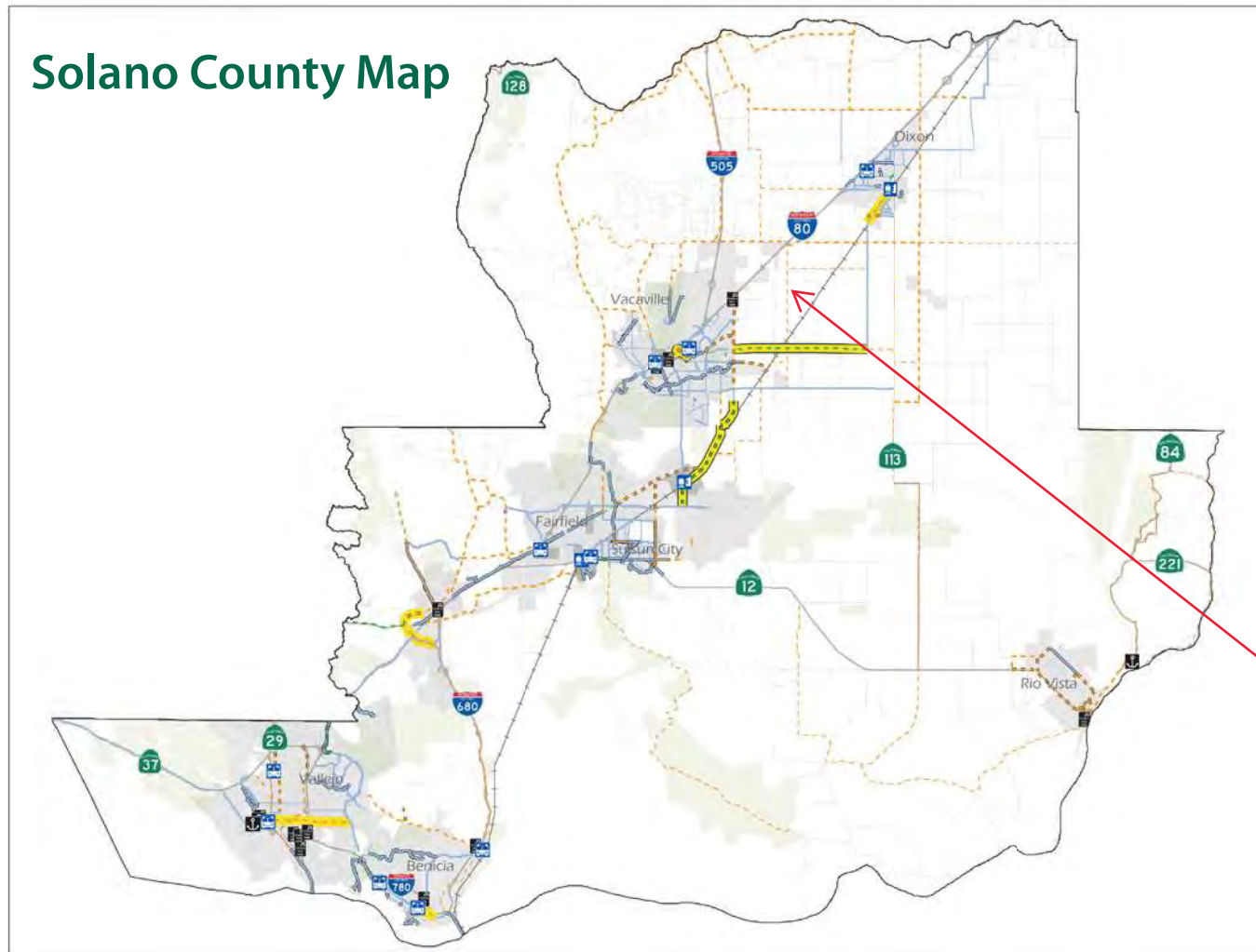
- Tier 1 Priority Project
- Tier 2 Priority Project

#### Transit Facilities

- Bus Station
- Park & Ride
- Rail Station



## Solano County Map



### Solano County Proposed Priority Projects:

Solano County has many projects countywide and through discussion with staff, it was determined that based on the nature of funding for county roads, projects should be determined based on availability of funding. A Countywide Tier 1 project is also recognized by Solano County: Vacaville-Dixon Bike Route (Phase 5) Hawkins Road.

### Legend

#### General

- Open Space/Conservation Areas
- Unincorporated Solano County
- Municipal Service Areas
- Major Arterials/Highways
- Union Pacific Railroad

#### Existing Bicycle Facilities

- Class I Existing
- Class II Existing
- Class III Existing

#### Planned/Proposed Bicycle Projects

- Class I Planned/Proposed w/ some funding committed
- Class II Planned/Proposed w/ some funding committed
- Class III Planned/Proposed w/ some funding committed

#### Project Tiers

- Tier 1 Priority Project
- Tier 2 Priority Project

#### Transit Facilities

- Bus Stop
- Rail Station
- Ferry
- Park and Ride

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EST. 1968  
**AUTHORIZED**  
  
BICYCLE SHOP  
1220 GEORGI A ST.  
VALLEJO  
**authorizedbike.com**

**MR. BICYCLE**  
707-425-BIKE  
(707-425-2453)  
803 Texas St.  
Downtown Fairfield

**Sales, Repairs, Parts, Service**

803 Texas St, Fairfield,  
707-425-2453

CA

EST. 1968  
**AUTHORIZED**  
  
BICYCLE SHOP  
1220 GEORGI A ST.  
VALLEJO  
**authorizedbike.com**

To report road maintenance problems, please call the local Public Works department.





# SOLANO Bikes on Transit



## Bicycling Tips

- Developed by the City of Portland, Oregon Bicycle Program
- BE PREDICTABLE**  
Ride so drivers can see you and predict your movements. Remember that the rules in the drivers manual apply to bicyclists also.
  - BE ALERT**  
Ride defensively and expect the unexpected. Remember, bicyclists are more vulnerable.
  - BE EQUIPPED**  
Always wear a helmet it's the law for 18-year-olds and younger. Use protective gear and wear visible clothing.
  - USE HAND SIGNALS**  
Hand signals tell others what you intend to do. Signal as a matter of courtesy and of self-protection.
  - RIDE IN THE MIDDLE OF NARROW LANES**  
When the lane is too narrow for a car to pass you safely, ride in the middle of the lane.
  - NEVER RIDE AGAINST TRAFFIC**  
Bicyclists must ride with traffic. Motorists are not looking for bicyclists riding on the wrong side of the road.
  - OBEY TRAFFIC SIGNS, SIGNALS, AND LAWS**  
Bicyclists must follow the same laws as motorists. Stop at red lights and stop signs just as you would in a car.

- SCAN THE ROAD AROUND YOU**  
Look ahead and anticipate what other traffic is likely to do. Watch for cars, people, potholes, grates etc. Learn to look back over your shoulder without losing your balance or steering.
- RIDE IN A STRAIGHT LINE**  
Ride in a straight line and far enough from parked cars so you can avoid suddenly opened doors. Riding in a straight line allows others to anticipate what you are likely to do.
- YOU MAY LEAVE A BIKE LANE**  
When overtaking a bicycle, making a left turn, avoiding a road hazard or other obstruction or you are afraid a motorist might turn across your path, you may temporarily merge WITH CAUTION into the adjacent automobile lane for safety or better visibility.
- CHOOSE THE BEST WAY TO TURN LEFT**  
There are two ways to make a left turn: 1) Like an auto, signal, move into the left lane, and turn left. Do not turn left from the right lane. 2) Like a pedestrian, use the crosswalks and walk your bike across the sidewalk.
- DO NOT PASS ON THE RIGHT**  
Wherever you ride, be cautious even when riding in a bike lane. When approaching an intersection or driveway, especially cautious and do not overtake a vehicle on its right. Tight turn right in front of you.
- BE VISIBLE AT NIGHT**  
The law requires a strong headlight and a rear reflector or taillight at night or when visibility is poor. Wear light-colored clothes with reflective tape for extra protection.
- RIDING ON SIDEWALKS MAY BE PROHIBITED**  
Pedestrians have the right-of-way. Give them an audible warning before you pass. Watch for vehicles at driveways and intersections.

## Bicycling Myths

(Courtesy of the Genessee Transportation Council)

**"I'VE GOT TO STAY AWAY FROM CARS."**  
Being in traffic isn't inherently dangerous - but entering traffic is.

How do you avoid collisions? Enter traffic as few times as possible. There is no danger in riding in a traffic lane - motorists can see you there. The motorist who can see you will avoid you.

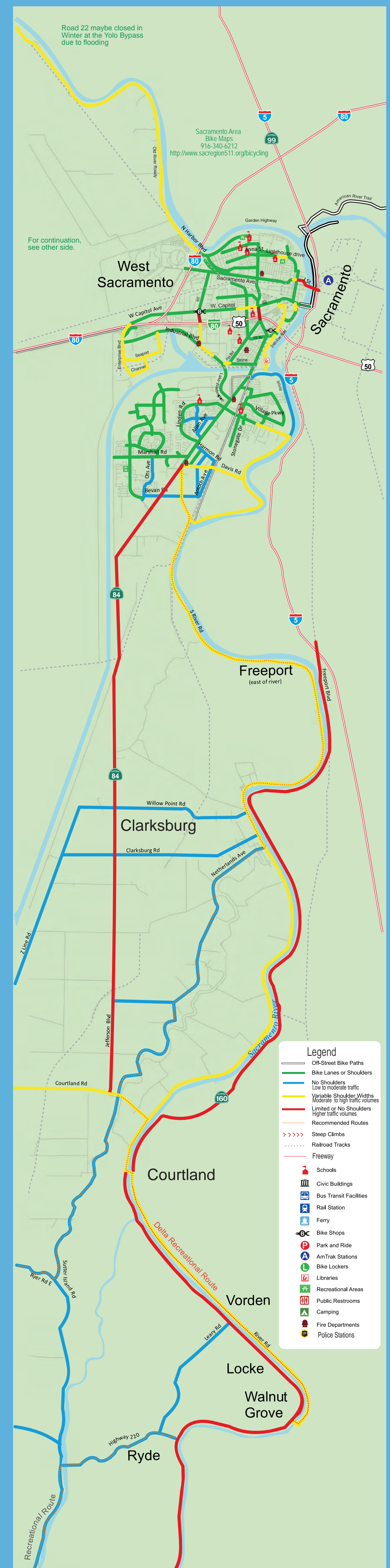
**"I'M MOST LIKELY TO BE HIT FROM BEHIND."**  
Most car-bike accidents happen at intersections, when either the motorist or the bicyclist makes an unexpected turn across the other's path. In hope of avoiding a rear-end collision, some cyclists ride the wrong way - only to get in trouble at an intersection, because a turning motorist never saw them.

How do you get through intersections safely? Merge with traffic well in advance of the intersection, and position yourself in the proper turning lane. Using turn signals beforehand informs others of your intent, so they can react appropriately.

**"MOTORISTS DON'T CARE ABOUT MY SAFETY."**  
The vast majority of motorists are rational people who will allow you right-of-way, even if it inconveniences them a little.

Make your riding predictable and courteous.

- ## Loading Your Bike
- Let the driver know you will be loading your bike. Do not step in front of the bus until the driver lets you know it is safe to do so.
  - Bikes can only be loaded at the front end of the bus from the curbside and under no circumstances can you bring your bike inside the bus. Also, the driver can't get off the bus to help, but he or she can tell you how to use the rack.
  - Remember, instructions are also posted on the rack itself. It is a three-step process and generally takes no more than 30 seconds.
- If the rack is folded up, simply pull it down.
  - Lift the bike up and fit it into the rack's wheel wells, which are labeled for the front and rear wheels. If no other bike is on the rack, use the space closest to the bus.
  - After the bike is in the rack, simply lift the support arm up and over the front tire. This arm should be in contact with the tire, not the fender or any other part of the bike. It is a good idea to make sure the support arm is in place before boarding the bus and don't forget to pay your fare.



## There are many riding experiences in Solano County

**Alamo Creek Bike Route**  
Alamo Creek Bike Route in Yacoville offers a scenic and safe cycling experience for the entire family.

**Central County Bikeway**  
Central County Bikeway starts in downtown Suisun City at the waterfront and continues along the south side of Highway 12 connecting to the McCoy Creek path as well as various shopping and dining opportunities off of Sunset Boulevard.

**Dixon-Davis Bike Route**  
Dixon-Davis Bike Route connects Solano and Yolo Counties and consists of a series of roads with bike lanes and is the best way to get to Dixon by bike from Davis. The ride to Dixon has some gradual uphill stretches.

**Fairfield Linear Park**  
Fairfield Linear Park, for families and children to ride in a right-of-way separated from roadways. It also connects Solano Community College on the southwest edge of town and into the town of Fairfield. The Fairfield Linear Park Path provides convenient bike access to the action on campus and in the city center.

**Montezuma Hills**  
Montezuma Hills, located south of Rio Vista, offers serious riders a challenging rural route with hilly terrain and often very windy conditions; various views including the Suisun Marsh and Sacramento River.

**Solano Bikeway**  
Solano Bikeway runs north from Vallejo. It connects to Cordelia through McCoy Road and provides a bikeway parallel to I-80.

**Yolo Causeway Bike Path**  
Yolo Causeway Bike Path along I-80 is a popular bicycle commute route between West Sacramento and Davis.

## Bikes on Transit

**Amtrak**  
Bikes may be carried onto Capitol Corridor trains, all except charges. A City Coach route map can be obtained on a City Coach bus, at local libraries, City Hall, Middle Senior Center, Uplift Cultural Center, 3 Oaks Center or online. We can also help plan your transit trip. Call our friendly transit dispatchers at 449-6000 and we will personalize a transit trip plan just for you!

**FAST**  
All local routes are equipped with front mounted bicycle racks that carry up to two (2) bikes. Routes 20/30/40/90 are equipped with 2 bike racks located in the luggage compartment. If full, additional bikes can be stored on the bus on a space-available basis. Bikes must be clean, have the front wheel removed, and be stored between two forward facing bench seats located behind the rear door.

**Rio Vista Delta Breeze**  
Rio Vista Delta Breeze offers deviated fixed route bike service within the City of Rio Vista and between Suisun, Rio Vista, Fairfield, Suisun City, Pittsburg/Bay Point BART Station and Antioch with connections to Lodi. The bus actually comes to your door! Rio Vista Delta Breeze Taxi, Scrip Program provides door-to-door service in conjunction with Cab Ride for Rio Vista seniors and persons with disabilities at 50% off the taxi fare.

**SolTrans**  
All local routes are equipped with front mounted bicycle racks that carry up to two (2) bikes. Routes 20/30/40/90 are equipped with 2 bike racks located in the luggage compartment. If the bike rack is full and space is available onboard, the bike's front tire may be removed and the cyclist may take the bike inside and sit in designated seats.

**Vacaville City Coach**  
City Coach provides transportation throughout Vacaville. A City Coach route map can be obtained on a City Coach bus, at local libraries, City Hall, Middle Senior Center, Uplift Cultural Center, 3 Oaks Center or online. We can also help plan your transit trip. Call our friendly transit dispatchers at 449-6000 and we will personalize a transit trip plan just for you!

**San Francisco Bay Ferry**  
All ferries allow bikes on board unless conditions or passenger loads preclude the safe transport of bikes. Bikes are carried outside on the main deck.

**Yolobus**  
All buses are equipped with front mounted bicycle racks that carry up to two (2) bikes.

**Bicycle Clubs**  
Benicia Cycling Club (707) 474-3969  
Monticello Cycling Club (707) 451-8153  
Solano Cycling Club (707) 249-8851

## The three types of bikeways described by Caltrans in Chapter 1000 of the California State Highway Design manual are as follows:

### Class I Bikeway

Typically referred to as a multiuse path, provides a completely separated right of way from motor vehicle traffic for the exclusive use of bicyclists and pedestrians. Multi-use paths are also open to strollers, wheelchairs, skateboarders, roller skaters, etc. Cross flow of vehicle traffic on multi-use paths is minimized. The minimum paved width for a multi-use path is eight feet.

### Class II Bikeway

Typically referred to as a bike lane, a Class II Bikeway provides a striped, delineated, and signed lane for one-way travel on a side street or highway. Minimum width for bike lanes varies depending on adjacent parking, curb type, and shaping. Typically, the minimum travel width for bicycles in a bike lane is four to five feet. Sometimes, especially near intersections, the bike lane may disappear. Cars are permitted to use the bike lane for turning and pulling into and out of parking spaces and driveways. It is legal for bicyclists to leave the bike lane to avoid obstacles, to turn left, pass other bicyclists, or when going as fast as car traffic. Always carefully check for traffic before leaving the bike lane.

### Class III Bikeway

Typically referred to as a bike route, provides for shared use of a roadway with motor vehicle traffic and pedestrians and is only identified by signing. No minimum width. Cars are permitted to use the bike lane for turning and pulling into and out of parking spaces and driveways. It is legal for bicyclists to leave the bike lane to avoid obstacles, to turn left, pass other bicyclists, or when going as fast as car traffic. Always carefully check for traffic before leaving the bike lane.

## Rural Roadways

Solano County contains miles of rural roadways. Many of these are appealing to cyclists because they provide scenic or challenging rides for recreation and the link to popular destinations. In many locations along these roads, bike lanes are not feasible so cyclists use striped shoulders where they are suitable or are required to share the roadway with motorists.

## Safety on Rural Roadways

The law does not require cyclists to ride to the right in narrow traffic lanes because it is at times safest to "take the whole lane." However, cyclists must be responsible for their actions. Factors such your speed, the speed and volume of other traffic, road grades and surface quality may help you decide where to ride on rural roadways and narrow streets.

## Agriculture and Bicycling

There are many unique opportunities for cyclists to visit local farms, ranches, and vineyards in the area for fresh food. During various times throughout the year, harvesting takes place to produce and transport crops and livestock. It is important to be mindful that many users including bicyclist, pedestrians, motor vehicles, and growers with heavy equipment share these public roads for movement.

## Destinations

Regional transportation centers allow you to travel throughout the nine (9) bay area counties. Solano County boasts three major transportation centers:

### Fairfield Transportation Center

### Vacaville Transportation Center

### Vallejo Transit Center

### Solano County Government Center

The Solano County Government Center is located in Downtown Fairfield and is a hop, skip, and a jump away from the Suisun-Fairfield Amtrak Station. Resources in this area include the Solano County District Attorney's Office, Solano County Services and Justice Center, the Events Center, various local businesses and restaurants.

### Local Farms, Ranches, and Vineyards

See solanogrowtown.org for more information.

### Schools & Education

See solanous2a.ca.gov for more information.

## Bike Travel Info

### Long-term bicycle parking locations

**Fairfield Transportation Center**  
Cadenasso Drive off of Beck Avenue  
Total of 16 lockers available

**Rio Vista Park and Ride Lot**  
Main and Front Streets  
Lockers with capacity for 6 bicycles

**Suisun City Park and Ride Lot**  
Main Street and Highway 12  
3 lockers with capacity for 6 bicycles (800) 854-3032

**Suisun-Fairfield Amtrak Station**  
Main Street and Lot near Station  
2 lockers with capacity for 4 bicycles (707) 421-7300

**Vacaville Cliffside Park and Ride**  
La Cliffside Drive at I-80  
2 Lockers with capacity 4 bicycles (800) 854-3032

**Vacaville Davis Street Park and Ride Lot**  
Davis Street at I-80  
4 Lockers with capacity for 8 bicycles (707) 449-5424

**Vacaville Transit Plaza**  
Carmen Street & East Monte Vista Avenue  
8 lockers with capacity for 8 bicycles (707) 469-6508

**Vacaville Transportation Center**  
Allison Drive & Travis Way  
8 lockers with capacity for 8 bicycles (707) 448-4666

**Vallejo Park and Ride Lot**  
Curtola and Lemon Street  
4 Lockers with capacity for 4 bicycles (707) 648-4349

**San Francisco Bay Ferry Terminal**  
8 lockers with capacity for 16 bicycles (707) 448-4349

**Vallejo Transit Center**  
Sacramento Street & York Street  
6 lockers with capacity (707) 648-4349

**Drawbridge Safety:**  
Use caution when crossing drawbridges, as the open metal deck can be slippery.

**Bikes on Bridges**

The Zampa Bridge connects Vallejo to Grogan. It is 1.6 miles long and is located on the west side of the bridge.

The Benicia-Martinez Bridge connects Benicia to Martinez. It is 1.2 miles long and is located on the west side of the bridge.

Call location for locker availability information.

## The Solano Transportation Authority, the Yolo-Solano Air Quality Management District, and the Bay Area Air Quality Management District would like to remind you to Spare the Air. Get out and get some fresh air on your bike today!

The Solano BikeLinks Map was developed by staff at the Solano Transportation Authority, Solano Napa Commuter Information, and the citizen-based Solano Bicycle Advisory Committee (BAC). Many thanks to the members of the BAC and the other volunteers for their time and efforts.

A big thank you to our community sponsors, Authorized Bicycles, Fisk's Cyclery, Ray's Cycle, and Mr. Bicycle.

For additional information about bikes on public transit, community bicycle clubs, bike safety and advisory committees, and the citizen-based Solano Bicycle Advisory Committee (BAC), many thanks to the members of the BAC and the other volunteers for their time and efforts.

**The STA and SNCI recognize that:**

- Bicycling is a viable form of transportation that can be used for commuting to work or school, running errands, and for recreation.
- Bicycling improves physical health and can give a sense of independence and freedom.
- Bicycling enhances our ability to experience and interact with the vibrancy of our communities, something that is very difficult to do when inside a car.
- Bicycling is economically efficient, costing the commuter/bicyclist on an annual basis approximately one-quarter as much as driving.
- Bicycling is a renewable form of transportation and is nonpolluting.
- Bicycling reduces the consumption of fossil fuels, alleviates traffic congestion, and improves the region's air quality.

### STA's Bicycle Program

The Solano Transportation Authority has been working with its member agencies and a number of nongovernmental groups to increase public awareness and promote bicycling as an environmentally sound, practical commute alternative since its inception in 1990.

The STA adopted its first Countywide Bicycle Plan in 1995. Much progress has been made since the original plan with the development of many regional bikeway segments. Of the county's 416 miles of regional roadway, over 130 miles now contain bike lanes and more than 16 miles of off-street multiuse paths have been developed.

### Solano Napa Commuter Information (SNCI) Program

Supports and promotes bicycling programs in Solano County. SNCI promotes bicycling as a commute mode, develops bicycle maps, provides bridge, transit, and shuttle information for cyclists who use bikes on transit, promotes bicycle safety and education programs, works with employers and the Bicycle Advisory Committee to develop these programs, and promotes California's Bike to Work School Week.

### Solano BAC

An important component of the STA's Bicycle Program is the Solano Bicycle Advisory Committee (BAC), which is comprised of representatives and staff from the STA's member agencies. The BAC meets on a regular basis to review and recommend countywide

## About the Solano Transportation Authority

The Solano Transportation Authority was formed in 1990 under a Joint Powers Agreement to act as Solano County's Congestion Management Agency as directed by federal legislation. The STA is responsible for transportation planning, inter-agency coordination, and programming of federal transportation funds in Solano County for its eight member agencies: Benicia, Dixon, Fairfield, Rio Vista, Solano County, Suisun City, Vacaville, and Vallejo. The STA also provides countywide planning for the development of roads, transit, redshore, rail, bicycle and pedestrian facilities. Other responsibilities include the management of Solano Paratransit, Solano Express Interagency Services, and the Solano Napa Commuter Information Program.

**For Emergencies Call 911**

	Police	Fire
Benicia	(707) 745-3412	(707) 746-4275
Davis	(530) 756-3740	(530) 757-5684
Dixon	(707) 678-7080	(707) 678-7080
Fairfield	(707) 428-7300	(707) 428-7300
City of Napa	(707) 257-9223	(707) 257-9590
Napa Co. Sheriff	(707) 253-4451	
Napa Co. Fire		(707) 963-3601
Rio Vista	(707) 374-6337	(707) 374-2233
Solano Co. Sheriff	(707) 421-7090	
Suisun City	(707) 421-7373	(707) 425-9133
Vacaville	(707) 449-5200	(707) 449-5200
Vallejo	(707) 648-4321	(707) 648-4526
West Sacramento	(916) 372-2044	(916) 373-5840
Winters	(530) 795-2261	(530) 795-4131
Woodland	(530) 666-2411	(530) 661-5860
Yolo Co. Sheriff	(530) 666-8282	

### Medical Services (Non-Emergency)

**Kaiser Vacaville**  
3700 Vaca Valley Parkway, Vacaville (707) 453-5000

**Kaiser Vallejo**  
975 Sereno Drive, Vallejo (707) 651-1000

**Northbay Medical**  
1200 B. Gale Wilson Boulevard, Fairfield (707) 429-3600

**Sutter Davis**  
2000 Sutter Place, Davis (800) 745-0227

**Vaca Valley Hospital**  
1000 Nut Tree Road, Vacaville (707) 446-4000

**Woodland Memorial**  
1325 Cottonwood St. Woodland (530) 662-3961

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**Solano Transportation Authority**  
...working for you!

**Yolo-Solano Air Quality**  
TRANSMISSION FUND FOR

**SOLANO | NAPA COMMUTER INFO**

**BikeLinks Map**

Provided by:  
Solano Transportation Authority  
Solano Napa Commuter Information  
Solano Bicycle Advisory Committee  
Yolo-Solano Air Quality Management District  
Bay Area Air Quality Management District

For up to date maps and info visit:  
[sta.ca.gov](http://sta.ca.gov)  
or contact us  
Solano Transportation Authority  
(707) 424-6075  
One Harbor Center, Suite 130  
Suisun City, CA 95616

Printed Spring 2016





April 11, 2025

Yolo-Solano Air Quality Management District (YSAQMD)  
1947 Galileo Court, Suite 103  
Davis, CA 95618

Subject: YSAQMD 2025 Clean Air Funds Application

Dear YSAQMD Staff:

Enclosed is the Solano Transportation Authority's 2025 Clean Air Funds Application to support the Eastern Solano County Solano Mobility Express Vanpool Expansion and Increased Alternative Transportation Incentive. If you have any questions or need additional information, please contact me at (707) 399-3218 or [lgarrett@sta.ca.gov](mailto:lgarrett@sta.ca.gov). Thank you for the opportunity to apply.

Best regards,

*Lorene V. Garrett*

Lorene V. Garrett  
Transit Mobility Coordinator I  
Employer Commuter Program  
Solano Transportation Authority  
[lgarrett@sta.ca.gov](mailto:lgarrett@sta.ca.gov)

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## YSAQMD Clean Air Funds Application, 2025

Applicant: Solano Transportation Authority (STA)

Project Title: Eastern Solano County Solano Mobility Express Vanpool Expansion and Increased Alternative Transportation Incentive

### Background



STA's Solano Mobility has a history of implementing innovative programs that combine incentives and outreach to promote smart commutes, reduce Single Occupancy Vehicles (SOVs), and reduce emissions from mobile sources. The commuter programs serve as models for other counties who consult with STA to duplicate program results. Thanks to YSAQMD CAF, STA has been able to increase from eight commuter incentive and subsidy programs to ten programs serving Eastern Solano County. STA staff employed targeted outreach and marketing based on Big Data analysis enabled the incentive/subsidy programs to increase significantly post pandemic. In addition, this fiscal year, YSAQMD CAF facilitated the growth of the hybrid vanpool connecting Vacaville and Dixon employees commuting to Sacramento. Solano Mobility's Employer Commuter staff recently launched an eleventh program, a hybrid vanpool connecting the Solano Community College's Vacaville, Fairfield, and Vallejo campuses.

Recently California Governor Gavin Newsom issued an executive order requiring state agencies to update their hybrid telework policies to default to at least four days per week in-office by July 1, 2025. Replica (big data) simulations for the spring of 2024 show 1,460 commuters already traveling from Dixon, Rio Vista, and Vacaville to Sacramento for work during peak commute times. American Community Survey (ACS) data from the US Census Bureau's 2019 report indicated 5,287 employees commuted from Solano County to Sacramento County pre-pandemic. With the Governor's return to the office policy it is likely that the number of Solano County residents commuting East to Sacramento County will approach pre-pandemic levels. Many of these State employees are expected to be located in the May Lee State Office Complex, a Zero-Net Energy (ZNE) and Zero Net Carbon (ZNC) building with 5,200 workstations located just over a mile from the Sacramento Valley Station, one of the Solano Mobility Express Vanpool Pilot's stops. STA's Solano Mobility commuter programs have already received an influx in commuters traveling to Sacramento, and Express vanpool riders have already notified STA staff that they will increase their rides to four days per week starting July 1. In addition, STA staff have received applications from new riders requesting a July 1<sup>st</sup> start.

When the Solano Express Blue Line discontinued service between Vacaville, Dixon, and Sacramento, leaving transit dependent Solano County residents who worked in Sacramento with no



transit options, STA staff quickly stepped in and launched a pilot program to replace the service, ensuring State, Federal, and private workers were able to keep their jobs. The vans with professional drivers operate during peak commute hours, traveling between Vacaville, Dixon and Sacramento. For riders traveling to Sacramento for work the hybrid vanpool provides a lifeline service. Riders include transit-dependent individuals and individuals receiving State or Federal assistance.



Selected Solano Mobility Express Vanpool rider endorsements follow.

*"I would like to see the Solano vanpool continue. It's been a blessing to be able find a way to commute to work without having to seek other transportation options in other counties to get to work each day. There is no easy way for me to get to*

*Sacramento without having to drive in the opposite direction to Vacaville or the other way to Davis to catch the Amtrak or YOLO county bus. I hope the vanpool continues Indefinitely so I don't have to worry about transportation to and from work. I would worry if this option was no longer available to me. I depend on public transportation to get to work. It would create a hardship if it were to not be available."* D. 02/24/25

*"I would love to see this program continue and even expand to cover more on Capitol Corridor. Cutbacks in transportation service in Solano County feel severe and this program is really convenient and great. I sincerely hope the program continues and even expands. (More Amtrak Capitol Corridor passes please!). Ever since I was nearly ran off the road by a semi truck I've felt reluctant to drive to work in Sacramento, but for a long time was forced to because of work schedules and locations not lining up. This program gives me the flexibility I need to go to work and come home safely in the hands of a professional driver. I can always rely on a ride home with the van. Thank you for providing this wonderful service."* C. 02/24/25

*"This vanpool program is a life saver for me. It is not only save a lot of my income for gas, wear and tear to the vehicle, but it is also help me to avoid car accidents. Please extend or make this program permanent. Thank you,"* A. 02/24/25

Shortly after the program launched, the vanpool pilot grew from three 7-passenger vans to four 7-passenger vans. YSAQMD CAF funding for FY 2024-25 assisted with growing the Solano Mobility Express Vanpool pilot further. It is currently operating with two 9-passenger and two 14-passenger vans. To date the program has provided 7,628 rides and maintains a 4.98/5 average rating. These vanpools not only provide a necessary service, but they also reduce Vehicle Miles Traveled (VMTs) thereby reducing Greenhouse Gasses (GHGs) to save an estimated 314 gallons of CO<sub>2</sub>/mile. With the current



four vans this saves an estimated 242.6 M gallons of CO<sub>2</sub> per year. The STA Board recently extended the pilot for an additional year.

Solano Mobility's Employer Commuter program also reduces VMTs and GHGs by offering commuter incentives and subsidies to encourage use of transit, rideshare, and active transportation. These programs also help make transportation more affordable for individuals receiving State or Federal assistance who qualify for the low-income subsidies. STA staff requests funds to support the following legacy commuter programs:

#### Bucks for Bikes

The Bucks for Bikes program promotes bicycle commuting by providing an incentive up to \$300 reimbursement towards the purchase of a new bike and helmet. Each bike commute saves 392 g CO<sub>2</sub>/mile.



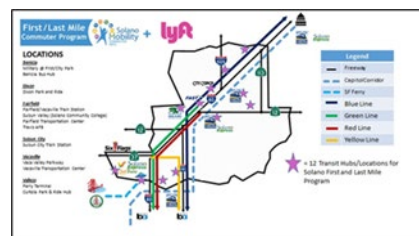
#### Capitol Corridor + Lyft Program



The Capitol Corridor + Lyft Pilot Program promotes Capitol Corridor use by providing a 10-ride pass and connecting residents/employees traveling to/from Sacramento, Davis, Vacaville, and Solano County via the train. Each train commute saves 307 g CO<sub>2</sub>/mile.

#### First/Last Mile

The First/Last Mile Pilot Program connects Dixon, Rio Vista, and Vacaville commuters to the 12 Solano County transit hubs via Lyft. The connection allows commuters to easily access transit hubs making the decision to use transit less cumbersome. Connecting to the bus saves 263 g CO<sub>2</sub>/mile.



#### Guaranteed Ride Home

The Guaranteed Ride Home program reimburses the cost of a ride (taxi, Uber, or Lyft) for Solano County employees or residents who use alternative transportation and experience a qualified emergency. This incentive encourages transit use by removing the fear of a rider becoming stranded. Connecting to the bus saves 263 g CO<sub>2</sub>/mile.

So far, this fiscal year, three Eastern Solano County commuters received a commuter bike reimbursement through the Buck for Bikes (B4B) program. Twenty-three 10-ride passes have been purchased through the Capitol Corridor plus Lyft (CC + L) program this fiscal year. 3,410 first/last mile (FLM) connections to Eastern Solano County transit hubs have been provided for \$47,350. In addition, seven commuters from Eastern Solano County received a Guaranteed (Emergency) Ride Home (GRH) reimbursement. The GRH program ensures commuters who use alternative transportation can get home in an emergency. To date, \$51,631 has been expended on Eastern Solano County Commuter Incentives/Subsidies.

## Project Description

The Eastern Solano County Solano Mobility Express Vanpool Expansion and Increased Alternative Transportation Incentive seeks to reduce VMTs and GHGs by funding an expansion of the Solano Mobility Express Vanpool Pilot and increasing commuter incentives for commuter bike purchases, capitol corridor 10-ride passes, first/last mile connections to transit and emergency rides home for program participants who use alternative forms of transit for their commute. This program will provide lifeline service and alternative transportation support with a focus on Eastern Solano County commuters traveling to Sacramento in response to the return to office starting July 1, 2026.

The program will use the proven approach of linking Outreach with Big Data to maximize performance.

### *1: Vigorous Outreach to Individual Commuters*

STA has recently completed and is currently conducting Community Based Transportation Plans (CBTP) in Rio Vista and Dixon, respectively. CBTPs educate residents on transportation options, including Solano Mobility Commuter Programs. This grant would be able to take advantage of numerous events designed to reach the majority of residents that have been/are being held each week. In addition, STA's Employer Commuter program staff is providing Outreach to Vacaville commuters by tabling at the Vacaville Transportation Center and Fairfield-Vacaville train station, as well as connecting with bike shops in anticipation of Bike Month in May. STA is also completing its Countywide Transportation Plan (CTP) and conducting additional outreach events and transportation surveys in support of this effort. The Solano Economic Development Corporation (EDC) continues to partner with STA to reach employers by networking and tabling at business events including specialty Chambers of Commerce events. STA's robust marketing program incorporates local media, the Solano Mobility website, and social media. STA staff continues partnerships with organizations such as SAC TMA + 50 TMA to reach Eastern Solano County residents who work in Sacramento.

### *2: Incorporate Big Data Models to Assess Commute Travel and Target Outreach*

STA continues to utilize Replica data to target marketing of commuter programs. Data shows an increasing number of commuters traveling to/from the Eastern Solano County cities to Sacramento as well as a coalescence of travel time, and clustering of destination, indicating feasibility of increasing rideshare and incentive programs.

### *3: Eastern Solano County Solano Mobility Express Vanpool Expansion and Increased Alternative Transportation Incentive*

This funding request seeks to increase the capacity for the vanpool pilot to meet the increased ridership expected by the return to the office in Sacramento for Eastern Solano County residents traveling from Vacaville and Dixon while continuing the \$50/month subsidized rate with a free transfer for Solano Express Blue Line riders. STA's proposal seeks \$50,000 in YSAQMD CAF funds to expand the lifeline Solano Mobility Express Vanpool Pilot Program to meet increased ridership.

This funding request seeks to increase incentives/subsidies for STA's legacy programs to ensure Eastern Solano County State employees returning to the office in Sacramento can afford to choose alternative forms of transportation to continue to reduce vehicle miles traveled (VMT), reduce Green House Gases (GHGs) and ease congestion on our roadways. STA's proposal seeks \$25,000 in

YSAQMD CAF funds to increase commuter subsidies/incentives for Eastern Solano County programs.

STA seeks a total of \$75,000 for one year to leverage \$600,000 to benefit Eastern Solano County commuters and significantly reduce GHGs.



Each STA commuter program is tracked monthly for effectiveness and reevaluation. STA has demonstrated success in Eastern Solano County with the growth of the Solano Mobility Express Vanpool Pilot and the Commuter Incentive Program.

The Solano Mobility goal of reducing Single Occupant Vehicle (SOV) trips matches YSAQMD's goal of reducing emissions from mobile sources. Our incentives continue to decrease the 38% contribution to emissions generated by transportation by providing lifeline service while encouraging, subsidizing, and rewarding alternative transportation modes (active, rideshare, transit, and telework).

Solano Mobility has received Clean Air Funds (CAF) in the past, and we appreciate, as well as depend on, our partnership with YSAQMD. All final reports from past CAF awards are up to date. Last year's previously funded project will conclude this year, and this proposal has provided status of the awarded program. If this year's project is funded, reports will be provided as required.

Matching funds for this project will be provided by State Transit Assistance Funds (STAF) and One Bay Area Grant (OBAG) funding. The signed CAF application is included as attachment A. The Cost Effectiveness analysis is included in attachment B.

#### Attachments

- A. 2025 Clean Air Fund Program Application Signed
- B. Cost Effectiveness Evaluation

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# Yolo-Solano Air Quality Management District

## 2025 Clean Air Funds Application

Please complete this form. All fields are required. For details on project proposals including general project criteria, category-based project criteria and cost-effectiveness, please review the 2025 Clean Air Funds Program Information. Please contact District staff if you have questions regarding this form.

Attach required Project Proposal to this completed application form.

### Applicant Information:

Business/Organization Name:		
Physical Address:		
City:	State:	Zip:
Mailing Address (if different from above):		
City:	State:	Zip:
Primary Contact Name:		Title:
Phone:	Fax:	Email:
Signing Authority Name:		Title:
Phone:	Fax:	Email:

### Project Information:

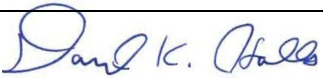
Project Title:		
Brief Project Description:		
Project Category: <input type="checkbox"/> Clean Vehicle Technology <input type="checkbox"/> Alternative Transportation <input type="checkbox"/> Transit Services <input type="checkbox"/> Public Information/Education		
Start Date:	Implementation Date*:	Completion Date:
Project Life**:		<i>Not applicable to Public Education/Outreach Projects</i>
<p>* Implementation date is the date that the project will begin it's intended benefit to the community. E.g., school assemblies begin, construction completed, etc.</p> <p>** Project Life is how long the project will continue to be used. E.g., road/vehicle useful life, etc.</p>		

**Funding Information:**

Total Project Budget:			
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Total Project Amount:			\$
Funding Requested:			\$
Budget Breakdown			
Expense Type	YSAQMD Funding	Match Funding	Total
Capital	\$	\$	\$
Personnel	\$	\$	\$
Grant Administration	\$ 0.00	\$	\$
Total	\$	\$	\$
Source of Matching Funds:		Funding Amount:	Date Funding Available:
		\$	
		\$	
		\$	
If reduced funding was available, would your project be able to proceed?			Yes      No
If Yes, what is the minimum funding level at which your project could proceed? \$			

This application must be signed by the signing authority listed on this form. By signing this document, you are declaring that:

- All information contained in this document and in any attachment is true, accurate and complete to the best of your knowledge.
- The responsible official has the authority to apply for the grant funds on behalf of the applicant named.
- The applicant agrees to the terms and conditions of the agreement (included in the program information).
- Approved projects cannot be altered in any way without prior approval from the District (see draft agreement).

Signature: 	Date:
Print Name:	

**Application Deadline is 4:00 p.m. on Friday, April 18, 2025. Submit completed applications by:**

**Email:** [cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

**Mail:** 1947 Galileo Court, Ste. 103, Davis, CA 95618

### FYE 2026 RIDESHARING Cost Effectiveness

Version 2026, Updated 1/9/25

**Calculations Tab:** Complete areas shaded in yellow only.

SAMPLE ENTRIES ARE SHOWN IN LIGHT BLUE

Cost Effectiveness Inputs	
Project Operational Start Year:	2025
# Years Effectiveness:	1
Project Operational End Year:	2026
Total Cost for route:	675,000
Total Cost for route 40%:	75,000
Total Cost for route 60%:	NA
Total TFCF Cost for route:	\$75,000.00

Emission Reduction Calculations								
Step 1 - Emissions for Eliminated Trips								
A	B	C	D	E	F	G	H	I
# Trips/Day (1-way)	Days/Yr	Trip Length way)	VMT	RO Emissions (gr/yr)	Nx Emissions (gr/yr)	Exhaust & Trip End PM10 Emissions (gr/yr) *	Other PM10 Emissions (gr/yr) *	CO2 Emissions (gr/yr)
100	240	16	304,294	30,344	26,259	409	61,880	88,770,567
518	240	16	1,989,120	179,891	162,859	2,569	404,501	577,892,102
			0	0	0	0	0	0
			0	0	0	0	0	0
			0	0	0	0	0	0
			0	0	0	0	0	0
			0	0	0	0	0	0
		Total	1,989,120	179,891	162,859	2,569	404,501	577,892,102

Step 2 - Emissions for New Trips to Access Transit/Ridesharing								
50	250	3	304294	23,824	23,154	372	61,880	87,927,937
259.0	240	3.0	186,480	45,501	28,904	406	37,922	57,877,994
			0	0	0	0	0	
		Total	186,480	45,501	28,904	406	37,922	57,877,994

Step 3A - Emissions for Shuttle/Vanpool Vehicles up to GVW of 14,000 lbs.													
A	B	C	D	E	F	G	H	I	J	K	L	M	N
		0.1	See Emission Factors Tab										
# Vehicles, Model Year	Emission Std.	Vehicle GVW	ROG Factor (gr/gmi)	NOx Factor (g/mi)	Exhaust PM10 Factor (g/mi)	Total PM10 Factor (g/mi)	CO2 Factor (g/mi) (See CO2 Table for LD and LHD)	Total Annual VMT (sum all vehicles)	ROG Emissions (gr/yr)	NOx Emissions (gr/yr)	Exhaust PM10 Emissions (gr/yr)	Other PM10 Emissions (gr/yr)	CO2 Emission (gr/yr)
2, 2005	LEV	10,001-14,000	0.23	0.40	0.12	0.32	860	8000	1,840	3,200	960	1,600	6,880,000
									0	0	0	0	0
									0	0	0	0	0
							Total	0	0	0	0	0	0

Step 3B - Emissions for Buses																		
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q		
			See Emission Factors Tab															
Vehicle Ref #	Engine Year, Make, & Model	Odometer reading	ROG Factor (gr/mi)	ROG DR (g/10k miles)	NOx Factor (g/mi)	NOx DR (g/10k miles)	Exhaust PM10 Factor (g/mi)	Exhaust PM DR (g/10k miles)	Other PM10 Factor (g/mi)	CO2 Factor (g/mi)	Total Annual VMT (sum all vehicles)	ROG Emissions	NOx Emissions	Exhaust PM10 Emissions (gr/yr)	Other PM10 Emissions (gr/yr)	CO2 Emissions (gr/yr)		
												0.00	0	0	0	0		
												0.00	0	0	0	0		
												0.00	0	0	0	0		
												0.00	0	0	0	0		
										Total	0	0	0	0	0	0		

Cost Effectiveness Results		Annual	Lifetime	
1. VMT Reduced		1,802,640.00	1,802,640.00	Miles
2. Trips Reduced		62,160.00	62,160.00	Trips
3. ROG Emissions Reduced		0.1481	0.148	Tons
4. NOx Emissions Reduced		0.1477	0.148	Tons
5. PM Emissions Reduced		0.4065	0.406	Tons
6. PM Weighted Emissions Reduced		0.4518	0.452	Tons
7. CO2 Emissions Reduced		573,2078	573,208	Tons
8. Emission Reductions (ROG, NOx & PM)		0.7023	0.702	Tons
9. TFCA Project Cost - Cost Effectiveness (ROG, NOx & PM)			106,798.69	/Ton
10. TFCA Project Cost - Cost Effectiveness (ROG, NOx & Weighted PM). THIS VALUE MUST MEET POLICY REQUIREMENTS.			\$100,328	/Ton

## Notes & Assumptions

*Provide all assumptions, rationales, and references for figures used in calculations.*

Two key components in calculating cost-effectiveness are the number of vehicle trips eliminated per day and the trip length.  
A frequently used proxy is the % of survey respondents who report they would have driven alone if not for the service being provided.  
If survey data is not available, alternative **supporting documentation must be provided to justify the inputs used in the CE calculations.**

### Trips Eliminated Per Day

This is number of trips by participants that would have driven as a single occupant vehicle if not for the service; **it is not the same as the total number of riders or participants.**

### Trip Length

Only use the trip length of the **vehicle trip avoided** by only the riders or participants that would otherwise have driven alone.

### Policy 11. Duplication

MTC's regional ridesharing program provides funding to counties. This funding may contain TFCA funding, which, if used in combination with TFCA funding, may violate Policy 11. Duplication.

Step 1: Emissions for Eliminated Trips	2022 ACS 5-Year Estimates for Solano County Commuters	
	<i>Filtered to single passenger vehicle usage</i>	
	Dixon	9,524
	Vacaville	39,684
	Rio Vista	2,624
	Total	51,832
	1% Target Population	518
<a href="#">S0802: Means of Transportation to ... - Census Bureau Table</a>		
Step 2: Emissions from New Trips	259.16	





# Yolo-Solano Air Quality Management District

## 2025 Clean Air Funds Application

Please complete this form. All fields are required. For details on project proposals including general project criteria, category-based project criteria and cost-effectiveness, please review the 2025 Clean Air Funds Program Information. Please contact District staff if you have questions regarding this form.

Attach required Project Proposal to this completed application form.

### Applicant Information:

Business/Organization Name: City of Vacaville		
Physical Address: 650 Merchant St		
City: Vacaville	State: CA	Zip: 95687
Mailing Address (if different from above): N/A		
City: N/A	State: N/A	Zip: N/A
Primary Contact Name: Rick Navarro		Title: Deputy Director/City Traffic Engineer
Phone: (707) 449-5173	Fax:	Email: rick.navarro@cityofvacaville.com
Signing Authority Name: Brian McLean		Title: Director of Public Works
Phone: (707) 449-5176	Fax:	Email: brian.mclean@cityofvacaville.com

### Project Information:


Project Title: Safe Routes to School Pedestrian Crossing Enhancements 2025		
Brief Project Description: Install HV Crosswalk, ADA ramps, Rectangular Rapid Flashing Beacons and Radar Speed Signs to Improve MultiModal Transportation		
Project Category: <input type="checkbox"/> Clean Vehicle Technology <input type="checkbox"/> Transit Services <input checked="" type="checkbox"/> Alternative Transportation <input type="checkbox"/> Public Information/Education		
Start Date: 6/15/2025	Implementation Date*: 8/1/2026	Completion Date: 12/31/2026
Project Life**: 7 years		<i>Not applicable to Public Education/Outreach Projects</i>
<p>* Implementation date is the date that the project will begin it's intended benefit to the community. E.g., school assemblies begin, construction completed, etc.</p> <p>** Project Life is how long the project will continue to be used. E.g., road/vehicle useful life, etc.</p>		

**Funding Information:**

Total Project Budget:			
Period: 6/15/2025	Activity Description: Grant Agreement		\$ 0.00
Period: 8/15/2025	Activity Description: Design & Environmental		\$ 42,050
Period: 2/15/2025 <b>2026</b>	Activity Description: Bidding & Construction		\$ 208,260
Period: 12/31/2026	Activity Description: Complete		\$ 0.00
Total Project Amount:			\$ 248,310
Funding Requested:			\$ 248,310
Budget Breakdown			
Expense Type	YSAQMD Funding	Match Funding	Total
Capital	\$ 176,220	\$ 0	\$ 176,220
Personnel	\$ 72,090	\$ 0	\$ 72,090
Grant Administration	\$ 0.00	\$ 0	\$ 0
Total	\$ 248,310	\$ 0	\$ 248,310
Source of Matching Funds:		Funding Amount:	Date Funding Available:
City will pursue TDA funds as a match source		\$	
N/A		\$	
N/A		\$	
If reduced funding was available, would your project be able to proceed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If Yes, what is the minimum funding level at which your project could proceed? \$ 34,100			

This application must be signed by the signing authority listed on this form. By signing this document, you are declaring that:

- All information contained in this document and in any attachment is true, accurate and complete to the best of your knowledge.
- The responsible official has the authority to apply for the grant funds on behalf of the applicant named.
- The applicant agrees to the terms and conditions of the agreement (included in the program information).
- Approved projects cannot be altered in any way without prior approval from the District (see draft agreement).

Signature: 	Date: 4/17/2025
Print Name: Brian McLean	

**Application Deadline is 4:00 p.m. on Friday, April 18, 2025. Submit completed applications by:**

**Email:** [cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

**Mail:** 1947 Galileo Court, Ste. 103, Davis, CA 95618

### **Project Proposal**

The City of Vacaville put out a Call for Projects October 12<sup>th</sup>, 2022 to local schools and residents to identify potential improvements for the Solano Transportation Authority's Safe Routes to School Plan. During this time, the City received 129 submissions from the community to improve safety for children. Improved safety would allow students to use emission free modes of transportation such as bicycling and walking, to commute to and from school. Improvements that were identified involved implementing reduced speed zones, high visibility crosswalks at uncontrolled crossings, and advance stop bars at controlled crossings. These improvements bring additional awareness to pedestrians, which provides safe routes to school and encourages active transportation. The project will fall under the alternative transportation category.

The City is aware of funding limitations and is proposing a cost-effective project that can be scaled to meet funding needs. The ideal project would fund the installation of high visibility crosswalk, ADA ramps, radar feedback signs and rectangular rapid flashing beacons at Kairos Elementary, Vaca Pena Elementary, and Vacaville High. The exhibits provided show the improvement locations and associated details. Full improvements are estimated to cost \$248,310. Scaling the project could be any individual school improvement alone or any combination of each with a minimum ask of \$34,100 to proceed. When the call for projects is issued, the City will pursue TDA funds that will be used as a local match. The match amount is currently unknown at this time and not included in the budget breakdown.

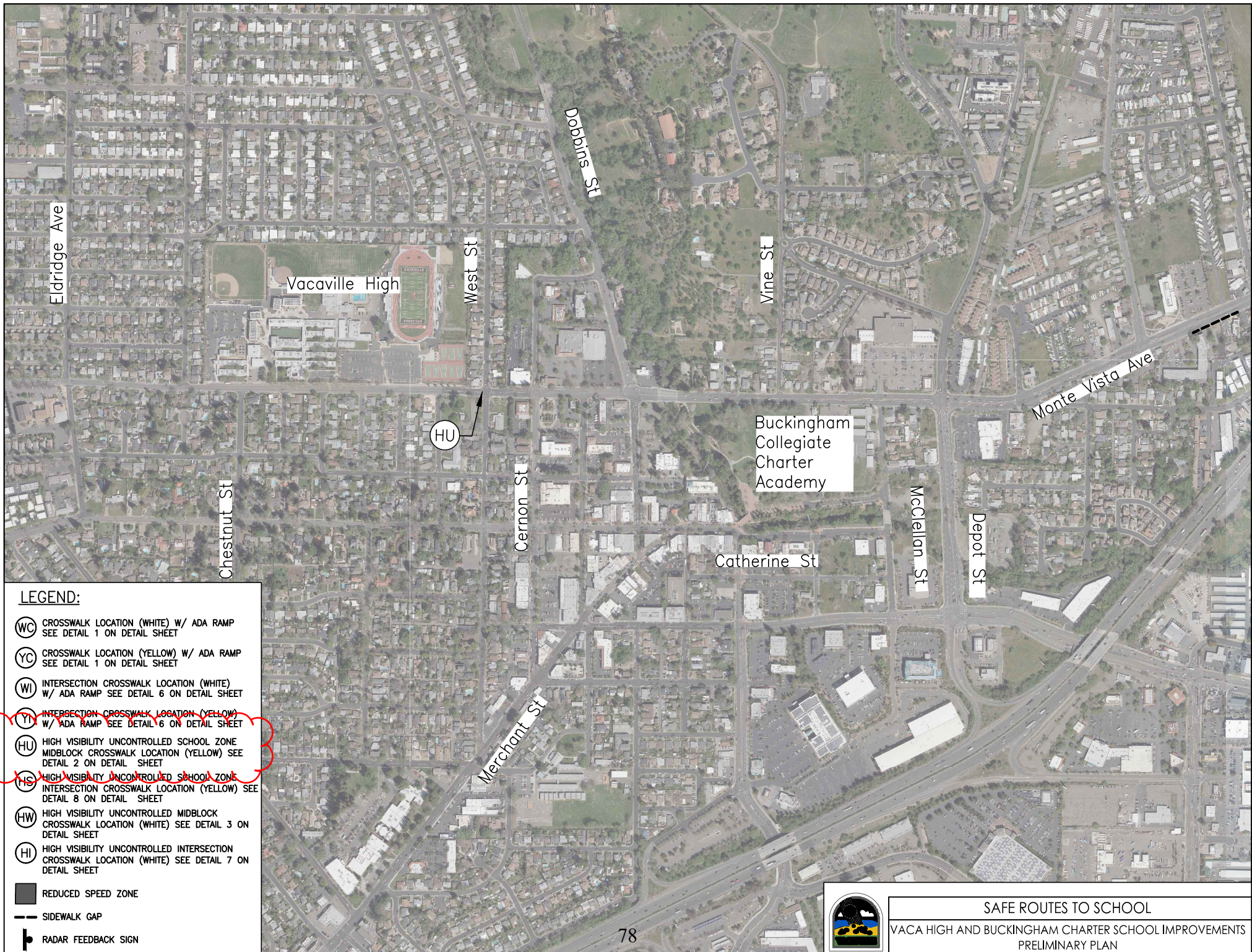
The improvements are within existing right-of-way and should require no environmental clearance or construction permissions. However, schools and residents will be notified beforehand of the proposed construction near their property. The improvements have a useful life of approximately seven years and replacement will be a part of the City's maintenance cost. The City has the ability to complete the design phase by February 2026 and have final construction completed by August 2026. The City has successfully completed a project using 2022 Clean Air Funds and is preparing for construction of the City's 2024 Clean Air Funds project that is anticipated to be complete by August 2025. The City is confident that it can complete the proposed project in the specified timeline.

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# LEGEND:

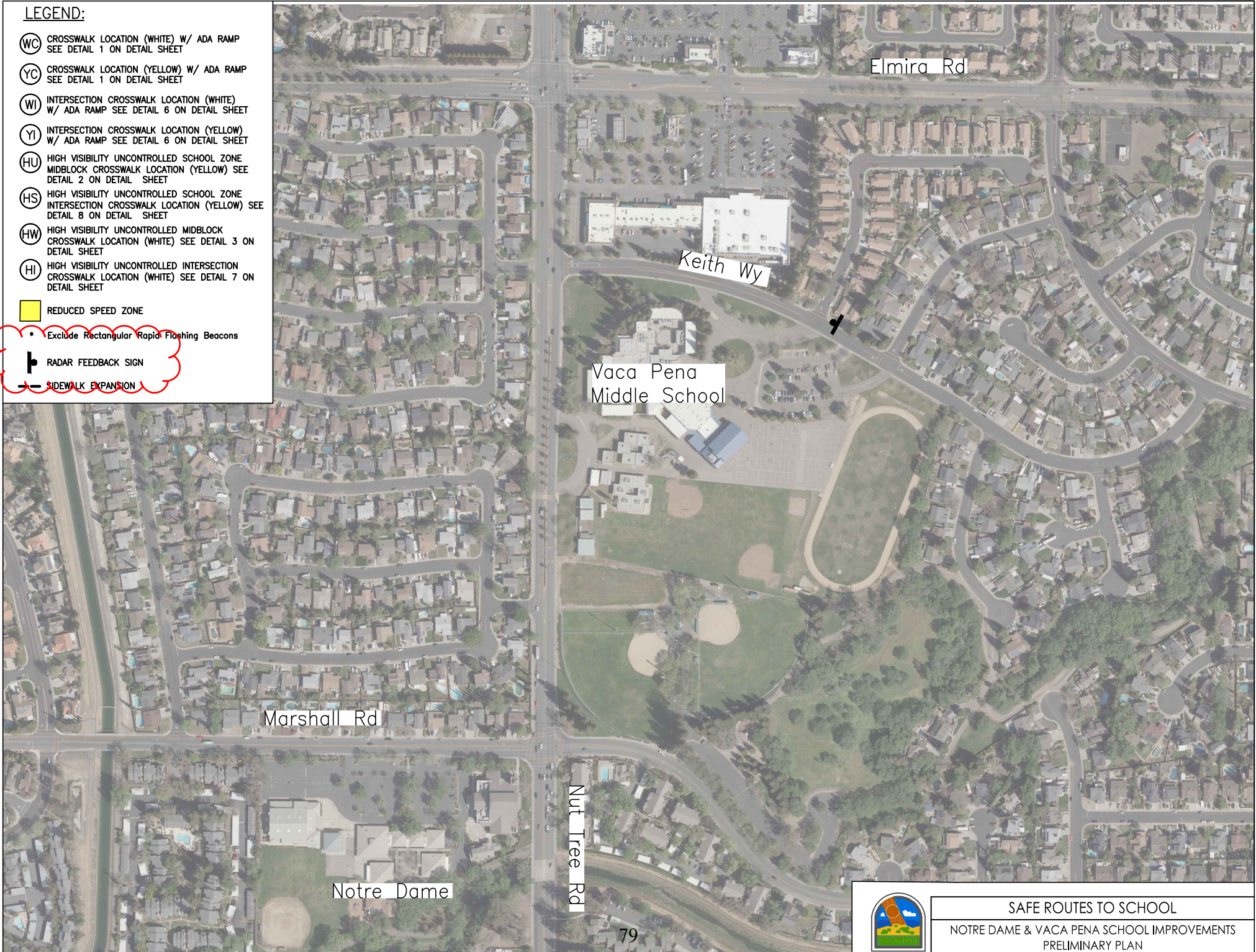
- (WC) CROSSWALK LOCATION (WHITE) W/ ADA RAMP  
SEE DETAIL 1 ON DETAIL SHEET
- (YC) CROSSWALK LOCATION (YELLOW) W/ ADA RAMP  
SEE DETAIL 1 ON DETAIL SHEET
- (WI) INTERSECTION CROSSWALK LOCATION (WHITE)  
W/ ADA RAMP SEE DETAIL 6 ON DETAIL SHEET
- (YI) INTERSECTION CROSSWALK LOCATION (YELLOW)  
W/ ADA RAMP SEE DETAIL 6 ON DETAIL SHEET
- (HU) HIGH VISIBILITY UNCONTROLLED SCHOOL ZONE  
MIDBLOCK CROSSWALK LOCATION (YELLOW) SEE  
DETAIL 2 ON DETAIL SHEET
- (HS) HIGH VISIBILITY UNCONTROLLED SCHOOL ZONE  
INTERSECTION CROSSWALK LOCATION (YELLOW) SEE  
DETAIL 8 ON DETAIL SHEET
- (HW) HIGH VISIBILITY UNCONTROLLED MIDBLOCK  
CROSSWALK LOCATION (WHITE) SEE DETAIL 3 ON  
DETAIL SHEET
- (HI) HIGH VISIBILITY UNCONTROLLED INTERSECTION  
CROSSWALK LOCATION (WHITE) SEE DETAIL 7 ON  
DETAIL SHEET

 REDUCED SPEED ZONE

\* Exclude Rectangular Rapid Flashing Beacons

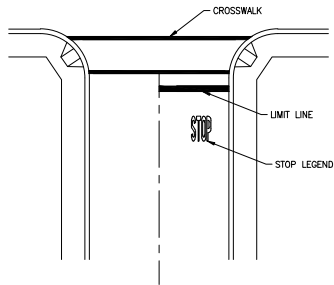
 RADAR FEEDBACK SIGN

 SIDEWALK EXPANSION



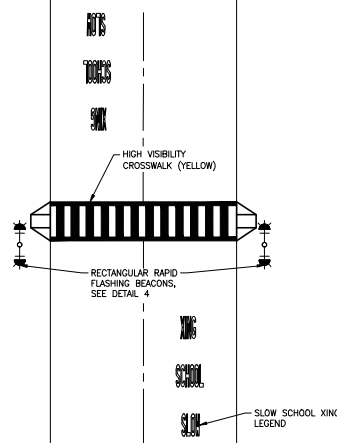
SAFE ROUTES TO SCHOOL  
NOTRE DAME & VACA PENNA SCHOOL IMPROVEMENTS  
PRELIMINARY PLAN





STOP CONTROLLED CROSSWALK  
WITH ADVANCED STOP BAR  
NOT TO SCALE

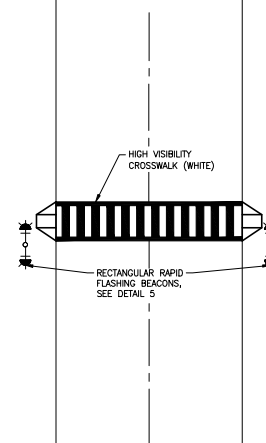
1



NOTE:  
RECTANGULAR RAPID FLASHING  
BEACONS EXCLUDED IF 85TH  
PERCENTILE IS LESS THAN 32 MPH

HIGH VISIBILITY UNCONTROLLED  
MIDBLOCK SCHOOL ZONE CROSSWALK  
NOT TO SCALE

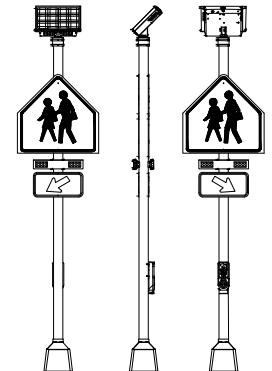
2



NOTE:  
RECTANGULAR RAPID FLASHING  
BEACONS EXCLUDED IF 85TH  
PERCENTILE IS LESS THAN 32 MPH

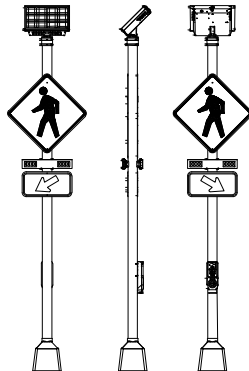
HIGH VISIBILITY MIDBLOCK  
UNCONTROLLED CROSSWALK  
NOT TO SCALE

3



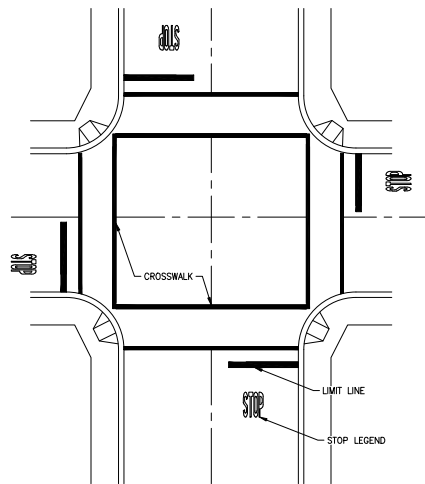
RECTANGULAR RAPID FLASHING BEACON  
(SCHOOL ZONE)  
NOT TO SCALE

4



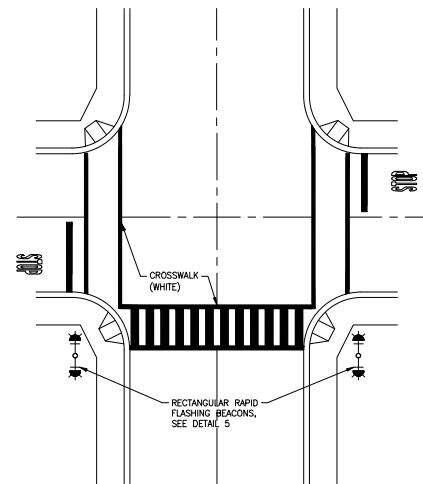
RECTANGULAR RAPID FLASHING BEACON  
NOT TO SCALE

5



ALL-WAY STOP CROSSWALK  
NOT TO SCALE

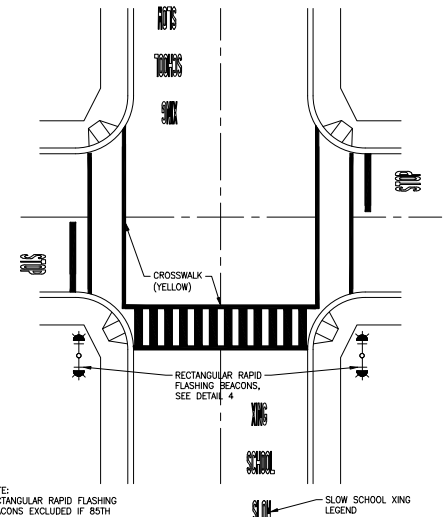
6



NOTE:  
RECTANGULAR RAPID FLASHING  
BEACONS EXCLUDED IF 85TH  
PERCENTILE IS LESS THAN 32 MPH

HIGH VISIBILITY  
UNCONTROLLED CROSSWALK  
NOT TO SCALE

7



NOTE:  
RECTANGULAR RAPID FLASHING  
BEACONS EXCLUDED IF 85TH  
PERCENTILE IS LESS THAN 32 MPH

HIGH VISIBILITY UNCONTROLLED  
SCHOOLZONE CROSSWALK  
NOT TO SCALE

8



SAFE ROUTES TO SCHOOL  
PRELIMINARY IMPROVEMENT  
DETAILS

1. NO PARKING ADJACENT TO CROSSWALKS WILL BE EVALUATED.
2. EXISTING IMPROVEMENTS TO BE EVALUATED FOR REPLACEMENT
3. ALL IMPROVEMENTS ARE PRELIMINARY AND WILL BE EVALUATED FOR FEASIBILITY DURING THE DESIGN PHASE



# ENGINEER'S ESTIMATE OF PROBABLE COSTS

Project: Safe Routes to School Plan (All Schools)

**Location:**

Scope: SR2S Improvements Cost Estimate

Date Prepared:

Prepared By:

Segment Length:  ft  
New Pavement Width:  ft



Assumptions:

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL
<b>A</b>	<b>IMPROVEMENTS</b>				
A1	CROSSWALK W/ ADVANCE STOP BAR IF APPLICA	EA	<input type="text" value="0"/>	\$ 2,700	\$ -
A2	HIGH VISIBILITY CROSSWALK W/ SIGNAGE	EA	<input type="text" value="1"/>	\$ 7,000	\$ 7,000.00
A3	"SLOW SCHOOL XING" LEGEND	EA	<input type="text" value="2"/>	\$ 1,600	\$ 3,200.00
A4	ACCESSIBLE RAMP	EA	<input type="text" value="2"/>	\$ 10,000	\$ 20,000.00
A5	RECTANGULAR RAPID FLASHING BEACONS (RRFE	EA	<input type="text" value="4"/>	\$ 20,000	\$ 80,000.00
A6	RADAR FEEDBACK SIGNS	EA	<input type="text" value="1"/>	\$ 16,000	\$ 16,000.00
A7	SIDEWALK GAP	SF	<input type="text" value="0"/>	\$ 40	\$ -
A8	REDUCED SPEED ZONE SIGNAGE	EA	<input type="text" value="0"/>	\$ 400	\$ -
	<b>IMPROVEMENTS SUBTOTAL</b>			\$	<b>126,200.00</b>

**B MOBILIZATION/ START UP / GENERAL**

B1	MOBILIZATION	%	Items A-F	5.0%	\$ 7,000.00
B2	CONSTRUCTION AREA SIGNS	%	Items A-F	0.5%	\$ 3,000.00
B3	TRAFFIC CONTROL SYSTEM	%	Items A-F	5.0%	\$ 7,000.00
B4	WATER POLLUTION CONTROL	%	Items A-F	1.0%	\$ 3,000.00
B5	STRIPING REMOVAL	%	Items A-F	10.0%	\$ 14,000.00
B6	MINOR ITEMS	%	Items A-F	0.0%	\$ -
	<b>MOBILIZATION/ START UP / GENERAL SUBTOTAL</b>			\$	<b>34,000.00</b>

**CONSTRUCTION SUBTOTAL: \$ 160,200.00**

CONSTRUCTION ENGINEERING (@ 20.0%) \$ 32,040.00

CONSTRUCTION CONTINGENCY (@ 10.0%) \$ 16,020.00

**CONSTRUCTION TOTAL: \$ 208,260.00**

RIGHT OF WAY TO BE ACQUIRED:  SF

RIGHT OF WAY ACQUISITION (@ \$15/SF) \$ -

ENV CLEARANCE (@ 2.0%) \$ 3,204.00

PRE-ENGINEERING (@ 3.0%) \$ 4,806.00

SURVEYING, GEOTECHNICAL MTLs TESTING (@ 0.0%) \$ -

DESIGN (SALARY, BENEFITS, OVERHEAD) (@ 10.0%) \$ 16,020.00

INSPECTION (SALARY, BENEFITS, OVERHEAD) (@ 10.0%) \$ 16,020.00

**TOTAL PROJECT COSTS: \$ 248,310.00**

# ENGINEER'S ESTIMATE OF PROBABLE COSTS

Project: Safe Routes to School Plan (Kairos Elementary School)

**Location:**

Scope: SR2S Improvements Cost Estimate

Date Prepared:

Prepared By:



Segment Length:  ft  
New Pavement Width:  ft

**Assumptions:**

All curb ramps associated with a crosswalk to be replaced  
All 85th percentiles < Speedlimit + 7MPH, no RRFB's or Radarfeedback Signs

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL
<b>A</b>	<b>IMPROVEMENTS</b>				
A1	CROSSWALK W/ ADVANCE STOP BAR IF APPLICABLE	EA	0	\$ 2,700	\$ -
A2	HIGH VISIBILITY CROSSWALK W/ SIGNAGE	EA	1	\$ 7,000	\$ 7,000.00
A3	"SLOW SCHOOL XING" LEGEND	EA	2	\$ 1,600	\$ 3,200.00
A4	ACCESSIBLE RAMP	EA	2	\$ 10,000	\$ 20,000.00
A5	RECTANGULAR RAPID FLASHING BEACONS (RRFB), INCLUDING ADVANCE	EA	0	\$ 20,000	\$ -
A6	RADAR FEEDBACK SIGNS	EA	0	\$ 16,000	\$ -
A7	SIDEWALK GAP	SF	0	\$ 40	\$ -
A8	REDUCED SPEED ZONE SIGNAGE	EA	0	\$ 400	\$ -
	<b>IMPROVEMENTS SUBTOTAL</b>			<b>\$</b>	<b>30,200.00</b>
<b>B</b>	<b>MOBILIZATION / STARTUP / GENERAL</b>				
B1	MOBILIZATION	%	Items A-F	5.0%	\$ 2,000.00
B2	CONSTRUCTION AREA SIGNS	%	Items A-F	0.5%	\$ 1,000.00
B3	TRAFFIC CONTROL SYSTEM	%	Items A-F	5.0%	\$ 2,000.00
B4	WATER POLLUTION CONTROL	%	Items A-F	1.0%	\$ 1,000.00
B5	STRIPING REMOVAL	%	Items A-F	10.0%	\$ 4,000.00
B6	MINOR ITEMS	%	Items A-F	0.0%	\$ -
	<b>MOBILIZATION / STARTUP / GENERAL SUBTOTAL</b>			<b>\$</b>	<b>10,000.00</b>
	<b>CONSTRUCTION SUBTOTAL:</b>			<b>\$</b>	<b>40,200.00</b>
	CONSTRUCTION ENGINEERING (@ 20.0%)			\$	8,040.00
	CONSTRUCTION CONTINGENCY (@ 10.0%)			\$	4,020.00
	<b>CONSTRUCTION TOTAL:</b>			<b>\$</b>	<b>52,260.00</b>
	RIGHT OF WAY TO BE ACQUIRED:		<input type="text" value="0"/>	SF	
	RIGHT OF WAY ACQUISITION (@ \$15/SF)			\$	-
	ENV CLEARANCE (@ 2.0%)			\$	804.00
	PRE-ENGINEERING (@ 3.0%)			\$	1,206.00
	SURVEYING, GEOTECHNICAL MTLs TESTING (@ 0.0%)			\$	-
	DESIGN (SALARY, BENEFITS, OVERHEAD) (@ 10.0%)			\$	4,020.00
	INSPECTION (SALARY, BENEFITS, OVERHEAD) (@ 10.0%)			\$	4,020.00
	<b>TOTAL PROJECT COSTS:</b>			<b>\$</b>	<b>62,310.00</b>

# ENGINEER'S ESTIMATE OF PROBABLE COSTS

Project: Safe Routes to School Plan (Vaca High)

**Location:**

Scope: SR2S Improvements Cost Estimate

Date Prepared:

Prepared By:



Segment Length:  ft  
New Pavement Width:  ft

**Assumptions:**

All curb ramps associated with a crosswalk to be replaced  
Existing radar feedback signs are current and up to date

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL
<b>A</b>	<b>IMPROVEMENTS</b>				
A1	CROSSWALK W/ ADVANCE STOP BAR IF APPLICABLE	EA	0	\$ 2,700	\$ -
A2	HIGH VISIBILITY CROSSWALK W/ SIGNAGE	EA	0	\$ 7,000	\$ -
A3	"SLOW SCHOOL XING" LEGEND	EA	0	\$ 1,600	\$ -
A4	ACCESSIBLE RAMP	EA	0	\$ 10,000	\$ -
A5	RECTANGULAR RAPID FLASHING BEACONS (RRFB), INCLUDING ADVANCE	EA	4	\$ 20,000	\$ 80,000.00
A6	RADAR FEEDBACK SIGNS	EA	0	\$ 16,000	\$ -
A7	SIDEWALK GAP	SF	0	\$ 40	\$ -
A8	REDUCED SPEED ZONE SIGNAGE	EA	0	\$ 400	\$ -
	<b>IMPROVEMENTS SUBTOTAL</b>			\$	<b>80,000.00</b>
<b>B</b>	<b>MOBILIZATION / STARTUP / GENERAL</b>				
B1	MOBILIZATION	%	Items A-F	5.0%	\$ 4,000.00
B2	CONSTRUCTION AREA SIGNS	%	Items A-F	0.5%	\$ 1,000.00
B3	TRAFFIC CONTROL SYSTEM	%	Items A-F	5.0%	\$ 4,000.00
B4	WATER POLLUTION CONTROL	%	Items A-F	1.0%	\$ 1,000.00
B5	STRIPING REMOVAL	%	Items A-F	10.0%	\$ 8,000.00
B6	MINOR ITEMS	%	Items A-F	0.0%	\$ -
	<b>MOBILIZATION / STARTUP / GENERAL SUBTOTAL</b>			\$	<b>18,000.00</b>
	<b>CONSTRUCTION SUBTOTAL:</b>			\$	<b>98,000.00</b>
	CONSTRUCTION ENGINEERING (@ 20.0%)			\$	19,600.00
	CONSTRUCTION CONTINGENCY (@ 10.0%)			\$	9,800.00
	<b>CONSTRUCTION TOTAL:</b>			\$	<b>127,400.00</b>
	RIGHT OF WAY TO BE ACQUIRED: <input type="text" value="0"/>	SF			
	RIGHT OF WAY ACQUISITION (@ \$15/SF)			\$	-
	ENV CLEARANCE (@ 2.0%)			\$	1,960.00
	PRE-ENGINEERING (@ 3.0%)			\$	2,940.00
	SURVEYING, GEOTECHNICAL MTLs TESTING (@ 0.0%)			\$	-
	DESIGN (SALARY, BENEFITS, OVERHEAD) (@ 10.0%)			\$	9,800.00
	INSPECTION (SALARY, BENEFITS, OVERHEAD) (@ 10.0%)			\$	9,800.00
	<b>TOTAL PROJECT COSTS:</b>			\$	<b>151,900.00</b>

# ENGINEER'S ESTIMATE OF PROBABLE COSTS

Project: Safe Routes to School Plan (Vaca Pena Middle School)

**Location:**

Scope: SR2S Improvements Cost Estimate

Date Prepared:

Prepared By:



Segment Length:  ft  
New Pavement Width:  ft

**Assumptions:**

All curb ramps associated with a crosswalk to be replaced  
All 85th percentiles < Speedlimit + 7MPH, no RRFB's or Radarfeedback Signs

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL
<b>A</b>	<b>IMPROVEMENTS</b>				
A1	CROSSWALK W/ ADVANCE STOP BAR IF APPLICABLE	EA	0	\$ 2,700	\$ -
A2	HIGH VISIBILITY CROSSWALK W/ SIGNAGE	EA	0	\$ 7,000	\$ -
A3	"SLOW SCHOOL XING" LEGEND	EA	0	\$ 1,600	\$ -
A4	ACCESSIBLE RAMP	EA	0	\$ 10,000	\$ -
A5	RECTANGULAR RAPID FLASHING BEACONS (RRFB), INCLUDING ADVANCE	EA	0	\$ 20,000	\$ -
A6	RADAR FEEDBACK SIGNS	EA	1	\$ 16,000	\$ 16,000.00
A7	SIDEWALK GAP	SF	0	\$ 40	\$ -
A8	REDUCED SPEED ZONE SIGNAGE	EA	0	\$ 400	\$ -
	<b>IMPROVEMENTS SUBTOTAL</b>			<b>\$</b>	<b>16,000.00</b>
<b>B</b>	<b>MOBILIZATION / STARTUP / GENERAL</b>				
B1	MOBILIZATION	%	Items A-F	5.0%	\$ 1,000.00
B2	CONSTRUCTION AREA SIGNS	%	Items A-F	0.5%	\$ 1,000.00
B3	TRAFFIC CONTROL SYSTEM	%	Items A-F	5.0%	\$ 1,000.00
B4	WATER POLLUTION CONTROL	%	Items A-F	1.0%	\$ 1,000.00
B5	STRIPING REMOVAL	%	Items A-F	10.0%	\$ 2,000.00
B6	MINOR ITEMS	%	Items A-F	0.0%	\$ -
	<b>MOBILIZATION / STARTUP / GENERAL SUBTOTAL</b>			<b>\$</b>	<b>6,000.00</b>
	<b>CONSTRUCTION SUBTOTAL:</b>			<b>\$</b>	<b>22,000.00</b>
	CONSTRUCTION ENGINEERING (@ 20.0%)			\$	4,400.00
	CONSTRUCTION CONTINGENCY (@ 10.0%)			\$	2,200.00
	<b>CONSTRUCTION TOTAL:</b>			<b>\$</b>	<b>28,600.00</b>
	RIGHT OF WAY TO BE ACQUIRED: <input type="text" value="0"/>	SF			
	RIGHT OF WAY ACQUISITION (@ \$15/SF)			\$	-
	ENV CLEARANCE (@ 2.0%)			\$	440.00
	PRE-ENGINEERING (@ 3.0%)			\$	660.00
	SURVEYING, GEOTECHNICAL MTLs TESTING (@ 0.0%)			\$	-
	DESIGN (SALARY, BENEFITS, OVERHEAD) (@ 10.0%)			\$	2,200.00
	INSPECTION (SALARY, BENEFITS, OVERHEAD) (@ 10.0%)			\$	2,200.00
	<b>TOTAL PROJECT COSTS:</b>			<b>\$</b>	<b>34,100.00</b>





## Yolo-Solano Air Quality Management District 2025 Clean Air Funds Application

Please complete this form. All fields are required. For details on project proposals including general project criteria, category-based project criteria and cost-effectiveness, please review the 2025 Clean Air Funds Program Information. Please contact District staff if you have questions regarding this form.

Attach required Project Proposal to this completed application form.

### Applicant Information:

Business/Organization Name: Solano Transportation Authority		
Physical Address: 423 Main Street		
City: Suisun City	State: CA	Zip: 94585
Mailing Address (if different from above):		
City:	State:	Zip:
Primary Contact Name: Amy Antunano		Title: Program Manager
Phone: 707-399-3210	Fax: 707-424-6075	Email: Aantunano@sta.ca.gov
Signing Authority Name: Daryl Halls		Title: Executive Director
Phone: 707-424-6075	Fax: 707-424-6074	Email: Dhalls@sta.ca.gov

### Project Information:


Project Title: Safe Routes to School Bicycle and Pedestrian Program		
Brief Project Description: Bicycle and Pedestrian Education, Encouragement, and Engagement.		
Project Category: <input type="checkbox"/> Clean Vehicle Technology <input type="checkbox"/> Transit Services <input type="checkbox"/> Alternative Transportation <input checked="" type="checkbox"/> Public Information/Education		
Start Date: August 1, 2025	Implementation Date*: August 11, 2025	Completion Date: June 30, 2026
Project Life**: N/A		<i>Not applicable to Public Education/Outreach Projects</i>
<p>* Implementation date is the date that the project will begin it's intended benefit to the community. E.g., school assemblies begin, construction completed, etc.</p> <p>** Project Life is how long the project will continue to be used. E.g., road/vehicle useful life, etc.</p>		

**Funding Information:**

Total Project Budget: \$100,000			
Period: July 1, 2025- June 30, 2026	Activity Description: School-based outreach and education		\$ 100,000
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Total Project Amount:			\$ 100,000
Funding Requested:			\$ 50,000
<b>Budget Breakdown</b>			
Expense Type	YSAQMD Funding	Match Funding	Total
Capital	\$ 5,000	\$	\$ 5,000
Personnel	\$ 45,000	\$ 50,000	\$ 95,000
Grant Administration	\$ 0.00	\$	\$
Total	\$ 50,000	\$ 50,000	\$ 100,000
Source of Matching Funds:		Funding Amount:	Date Funding Available:
One Bay Area Grant (OBAG) 3		\$ 50,000	January 1, 2025
		\$	
		\$	
If reduced funding was available, would your project be able to proceed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If Yes, what is the minimum funding level at which your project could proceed? \$ 35,000			

This application must be signed by the signing authority listed on this form. By signing this document, you are declaring that:

- All information contained in this document and in any attachment is true, accurate and complete to the best of your knowledge.
- The responsible official has the authority to apply for the grant funds on behalf of the applicant named.
- The applicant agrees to the terms and conditions of the agreement (included in the program information).
- Approved projects cannot be altered in any way without prior approval from the District (see draft agreement).

Signature: 	Date: 4/15/2025
Print Name: Daryl Halls	

**Application Deadline is 4:00 p.m. on Friday, April 18, 2025. Submit completed applications by:**

**Email:** [cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

**Mail:** 1947 Galileo Court, Ste. 103, Davis, CA 95618

April 18, 2025

Eden Winniford  
Yolo-Solano Air Quality Management District (YSAQMD)  
1947 Galileo Court, Suite 103  
Davis, CA 95618

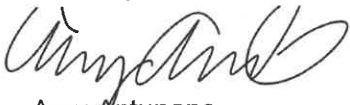
Subject: YSAQMD 2025 Clean Air Funds Application

Dear Ms. Winniford,

Enclosed is our 2025 Clean Air Funds Application to support Solano Safe Routes to School (SR2S), a program of the Solano Transportation Authority that specifically offers school-based education and outreach to improve air quality and mobile source reduction in the Eastern Solano County area.

If you have any questions or need additional information, please contact me at (707) 399-3210 or at [Aantunano@sta.ca.gov](mailto:Aantunano@sta.ca.gov). Thank you for the opportunity to apply!

Best regards,



Amy Antunano  
Program Manager- Solano Safe Routes to School  
Solano Transportation Authority

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## YSAQMD Clean Air Funds Application, 2025

Applicant: Solano Transportation Authority

Project Title: Solano Safe Routes to School Program

### *Project Description*

The Solano Safe Routes to School (SR2S), a program of the Solano Transportation Authority (STA), aims to increase the number of students who walk, bike, rideshare, or take public transit to and from school. The foundation of the SR2S Program is based on the 6E's -education, encouragement, enforcement, encouragement, engagement, and evaluation. Through school and community activities, SR2S integrates YSAQMD's goal of "Every person has the right to clean air every day" into the program directly. SR2S focuses on activities that promote active student travel by educating students and the community on safety and health awareness, how active transportation improves air quality, and by partnering on infrastructure improvements to improve travel safety. The strong collaboration between all seven Solano County cities, school districts, city engineers, police departments, and Solano Public Health makes the Solano SR2S Program successful in receiving funds, delivering projects, and implementing programs.

The goals of the SR2S Program are met through educational activities and programs, school and community outreach events, campaigns addressing pedestrian and bike safety, and the distribution of incentive items used for student and parent encouragement. Walk or Wheel (WOW) programs, assistance with yearly events, bicycle repair, and bike rodeos, continue to be requested by schools and serve as the backbone of the program's education and encouragement component. The SR2S program serves a unique and essential role in promoting active transportation, yet funding opportunities for such initiatives are limited. To ensure the program's sustainability, SR2S is requesting \$50,000 to support staffing, bike repair and safety education vendors, and purchase bicycle and pedestrian safety materials that encourage walking and biking. These efforts will help improve air quality in Dixon, Vacaville, and Rio Vista by reducing vehicle emissions. Additionally, matching funds for this project have been secured through the One Bay Area Grant (OBAG), further strengthening the program's impact.

### *School-Based Outreach and Education*

There are approximately 13,969 elementary and middle school students in Dixon, Rio Vista, and Vacaville. In the last five years, 28 schools in these cities have participated in SR2S programs. During this time, through school and community events, SR2S has reached approximately 17,789 students in the Eastern Solano area. The outreach efforts also extend to the parents of the students and extended family members, as well as other members of the community, including teachers, school staff, and residents in the surrounding neighborhoods. The educational message for these audiences is to encourage walking, biking, rideshare, or to utilize public transit to school more often, and for parents to avoid having their car idle while sitting in school traffic. The education component of the Solano SR2S program is worthwhile for the



schools to receive as evidenced by the amount of positive feedback given from the schools and as noted by schools requesting educational events each year. Students that switch from being driven to school to either walking or biking will have a direct impact on emissions reductions.

Bike Rodeos continues to be a popular offering amongst all our SR2S programs, activities, and events. A Bike Rodeo is a fun, active event for elementary students to learn biking and safety skills in a safe and comfortable environment. Staff set up various agility courses on school grounds for students to practice the important skills necessary to ride a bike safely and confidently, inspect students' bikes, and make sure their bike helmets fit them properly. For 14 years, the SR2S Program partnered with Solano Public Health to deliver Bike Rodeos and other educational activities to schools countywide.

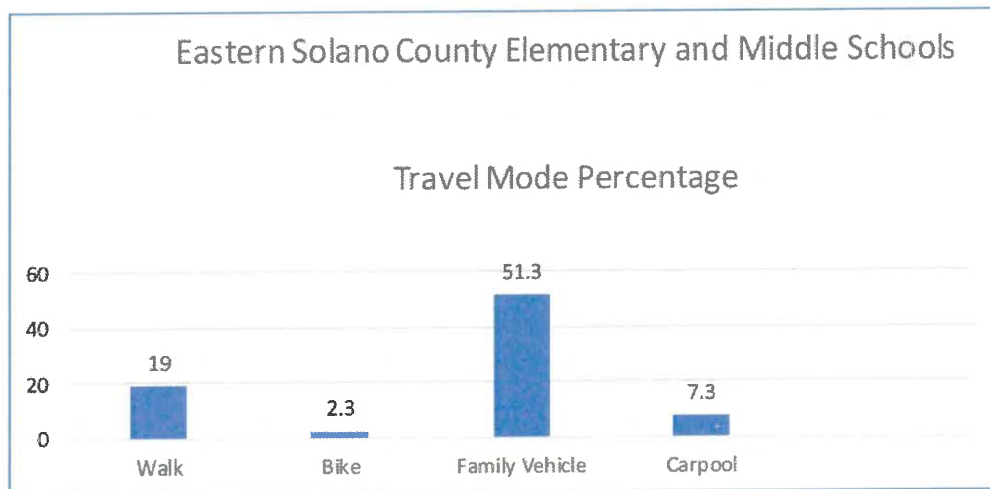
Due to staff changes, Solano Public Health is no longer providing this service but is still partners with the SR2S program on other activities. With an average of three to five bike rodeos per year done in the Eastern Solano cities, the request for funding is to contract with the Bike Rodeo/Bike Education Vendor, Safe Moves, who can provide up to 7 Bike Rodeos within Dixon, Vacaville, and Rio Vista within a year's time. The average cost of services, which include staff time, bikes, loaner helmets, and travel, is \$2000 per event. Through YSAQMD funding, SR2S will provide education and outreach materials, equipment, and incentives to further strengthen Bike Rodeo participation promoting biking while improving air quality and reducing mobile source emissions. The STA and Solano SR2S Program will ensure that education and information materials are approved by the school districts and that the YSAQMD logo as well as an acknowledgement as a funding source/sponsor.

Another highly popular program is the Bike Repair Workshops, which address a key barrier to biking in the community—unmaintained or nonfunctional bicycles. Community members have expressed that bicycle issues often prevent them from riding regularly. In collaboration with the Bay Area Bike Mobile (BAMB), these workshops are at no cost to the community members, and are hosted at easily accessible locations, such as libraries and community centers. Additionally, BAMB staff educate people on basic bike maintenance and minor repairs, empowering them to keep their bikes in good condition. By restoring bikes and providing hands-on education, these workshops encourage more frequent biking within the community.

Dixon is a small, close-knit community where all schools are easily accessible via walking and biking paths. With previous funding from YSAQMD, staff successfully hosted Community Bike Workshops at Dixon High School and John Knight Middle School. These events resulted in the repair of 75 bicycles for students, promoting increased biking within the community. Building on this success, SR2S staff have scheduled additional Bike Workshops for the City of Vacaville and the City of Rio Vista in Spring 2025, aiming to further encourage safe biking in these communities while reducing greenhouse gas emissions.

To measure the effectiveness of existing events and programming, each year SR2S surveys students on travel mode. The results from these surveys show a steady average of 20% walking

and biking countywide, above the national average of 13%. In October 2024, 6 schools in the Eastern Solano Area were surveyed. Travel Data from participating schools in Dixon, Rio Vista and Vacaville is below. As the communities continue to grow, it is difficult to predict how travel mode will shift. This makes the Travel Surveys crucial to compare previous survey data with the new data to help address any changes and support active transportation programs for students.



As part of the 2019 Evaluation Project of the SR2S Program, travel surveys were developed to help measure the effectiveness of SR2S programs and events. SR2S continues to use these surveys when in-person events to identify the most-used travel mode, and barriers to active travel. These surveys will help to identify additional areas for program expansion, infrastructure improvements, and safety education. Results from these surveys will be available when reporting on the program activities is submitted.

The measurable outcomes of implementing these programs are to reach our goal of providing 12 safety events per year and to reach out to schools who have never participated in SR2S. Besides contracting Safe Moves, staff will continue to partner with the schools, all three school districts, parent/teacher groups, the police departments in each city, and community members who occasionally request a Bike Rodeo at a community event. The Solano SR2S Program will use a Pre/Post Evaluation method to measure how effective these events are in helping students learn the “Rules of the Road” and teaching walking and biking safety.

By utilizing YSAQMD Clean Air Funds. The SR2S Program will support the staff of schools and communities in Dixon, Rio Vista, and Vacaville through pedestrian and bicycling education, outreach events, and assistance with Walk or Wheel Days. The program also intends to introduce walking and biking initiatives at schools, aiming to launch three to five additional walk/bike programs during the 2025-2026 academic year.

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# Yolo-Solano Air Quality Management District

## 2025 Clean Air Funds Application

Please complete this form. All fields are required. For details on project proposals including general project criteria, category-based project criteria and cost-effectiveness, please review the 2025 Clean Air Funds Program Information. Please contact District staff if you have questions regarding this form.

Attach required Project Proposal to this completed application form.

### Applicant Information:

Business/Organization Name:		
Physical Address:		
City:	State:	Zip:
Mailing Address (if different from above):		
City:	State:	Zip:
Primary Contact Name:		Title:
Phone:	Fax:	Email:
Signing Authority Name:		Title:
Phone:	Fax:	Email:

### Project Information:

Project Title:		
Brief Project Description:		
Project Category: <input type="checkbox"/> Clean Vehicle Technology <input type="checkbox"/> Transit Services <input type="checkbox"/> Alternative Transportation <input type="checkbox"/> Public Information/Education		
Start Date:	Implementation Date*:	Completion Date:
Project Life**:		<i>Not applicable to Public Education/Outreach Projects</i>
<p>* Implementation date is the date that the project will begin it's intended benefit to the community. E.g., school assemblies begin, construction completed, etc.</p> <p>** Project Life is how long the project will continue to be used. E.g., road/vehicle useful life, etc.</p>		

**Funding Information:**

Total Project Budget:			
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Total Project Amount:			\$
Funding Requested:			\$
Budget Breakdown			
Expense Type	YSAQMD Funding	Match Funding	Total
Capital	\$	\$	\$
Personnel	\$	\$	\$
Grant Administration	\$ 0.00	\$	\$
Total	\$	\$	\$
Source of Matching Funds:		Funding Amount:	Date Funding Available:
		\$	
		\$	
		\$	
If reduced funding was available, would your project be able to proceed?			Yes      No
If Yes, what is the minimum funding level at which your project could proceed? \$			

This application must be signed by the signing authority listed on this form. By signing this document, you are declaring that:

- All information contained in this document and in any attachment is true, accurate and complete to the best of your knowledge.
- The responsible official has the authority to apply for the grant funds on behalf of the applicant named.
- The applicant agrees to the terms and conditions of the agreement (included in the program information).
- Approved projects cannot be altered in any way without prior approval from the District (see draft agreement).

Signature: <i>Allison Nagel</i>	Date:
Print Name:	

**Application Deadline is 4:00 p.m. on Friday, April 18, 2025. Submit completed applications by:**

**Email:** [cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

**Mail:** 1947 Galileo Court, Ste. 103, Davis, CA 95618

### Dixon Youth Air Protectors

The Dixon Youth Air Protectors program would build upon Sustainable Solano's experience working with high school youth in other Solano County communities around air quality issues, bringing the internship and community engagement to Dixon for the first time. Sustainable Solano has done little air quality work to-date in Dixon, with the exception of a community air quality class planned for mid-April 2025. This grant would not only help us to better engage the community and build stronger partnerships in Dixon, but also empower Dixon youth to become community air quality ambassadors through a proven internship model.

The Dixon Youth Air Protectors (YAP) would benefit the community through educating and informing community members about air quality concerns and sources of pollution, with an emphasis on mobile sources; empowering Dixon youth as air quality advocates within their communities to better reach residents who may not otherwise engage with the topic; and promoting healthy transportation alternatives, including through bike rack installations where students determine they are most needed and presenting to the public about opportunities for clean transportation. Achieving these objectives ties directly into a long-term reduction of emissions through education and utilization of transportation alternatives. Intern insight could also result in suggestions to the city for future projects and action to mitigate pollution from mobile sources.

Dixon residents have higher than average rates of asthma and cardiovascular disease, both of which are correlated with poor air quality. Interstate 80 runs right through Dixon, so the city also has high levels of diesel particulate matter. The city is also affected by high levels of pesticide use, which, while beyond the scope of this funding, would be another source identified as contributing to poor air quality during the internship.

Over the course of 10 months (July 1, 2025 through April 30, 2026), the program will empower 16 interns through two internship cohorts that meet for 12 weeks each (fall 2025 and spring 2026), identify sites for and install 3 bike racks, and engage community members and share information through at least 4 events (2 per YAP cohort).

The Dixon YAP will take a youth participatory action research approach where interns are encouraged to work with existing data around air quality, health effects of poor air quality, and sources of pollution and then asked to take an active role in researching solutions. In this case, they will be asked to assess where there are opportunities for healthy alternative transportation methods and will look at how these could be supported. One tangible project will involve conducting a photo inventory, interviews and other methods to



determine where the city could support more biking and identify the best locations for new bike racks in the city.

Interns will bring what they have learned and the projects they have worked on to the broader community, including opportunities to share their insight at City Council meetings and public events, such as street cleanups or bike rack installation celebrations. As we have seen elsewhere, youth who are engaged in the YAP program often want to continue their advocacy and community work beyond the term of the internship. We have seen interns go on to join climate action leadership programs, lead school-based groups focused on environment and health, and hold conversations with community members, family members and peers informed by their knowledge around air quality and their lived experience of it in the community.

The proposed budget includes 0.5 FTE for the program manager to plan the program, do outreach, manage the internship, build partnerships and organize community events to meet the objectives of the program. It also includes mileage to recognize round-trip travel between Dixon and Sustainable Solano's office in Vallejo.

The internship includes stipends because we have found that small stipends reduce barriers to participation by providing some funding that can be used to offset hours they may take away from a part-time job or need for transportation to the internship. We also find they ensure a level of commitment and participation in the internship because students have to participate and complete projects to qualify for the stipends.

The bike rack installation amounts are based on quotes received for the racks, delivery and installation. Other expenses include program materials, such as flyers, posters and other internship materials needed for the program. The funding request also includes snacks for the interns, which we've found to be an important part of after-school programming.

Matching funds will be used to cover the cost of administration (overhead) as well as to cover hours from Sustainable Solano communications staff to promote the program and conduct outreach through the organization's newsletter, social media and traditional media outlets.

While not identified as a match for the project because the grant agreement has not yet been executed, Sustainable Solano learned on April 15 that we will receive a Cycle 5 Community Air Grant from the California Air Resources Board to foster knowledge sharing throughout the county around air quality, culminating in a countywide air quality summit. The work of the Dixon Youth Air Protectors would end right before that summit takes place, providing community priority information and generating interest for Dixon's participation in the summit and continued focus on air quality.

Partners in this project will help with outreach, and could provide space for or participation in internship and community meetings, sites for bike racks or potential future projects, among other means of supporting the program's success. Potential partners include the Dixon Library (which is hosting Sustainable Solano's mid-April air quality class); Dixon High School, which can help connect with youth and already promotes biking, such as having the Bike Mobile visit campus; City of Dixon elected and community leaders; expert partners, such as UC Davis Air Quality Research Center; and community-based citizen air quality advocacy groups, such as those in Benicia and Vallejo.

While the project could be conducted with fewer funds than are in the submitted grant budget, such a reduction would result in the need to shrink the scope and impact of the project. In the application, the reduced minimum amount would only have one internship cohort, and fewer community events and bike rack installations.

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Yolo-Solano Air Quality Management District  
Attn: Clean Air Funds  
1947 Galileo Court, Suite 103  
Davis, CA 95618

RE: Support for Sustainable Solano's Dixon Youth Air Protectors grant application


Dear YSAQMD grant review team,

I am writing in support of Sustainable Solano's proposal for the Dixon Youth Air Protectors, funded through the Clean Air Funds grant program. At Dixon High School, our goal is to have all students learn at high levels and to graduate college and career ready. Programs such as this one bring unique opportunities to our students, while also serving our wider community.

I understand that Sustainable Solano has conducted Youth Air Protectors programs in Fairfield and Rio Vista to build community understanding around air quality and seek community input on emissions reduction. This grant would allow them to bring that program to Dixon. It would give our youth experience interacting with and researching data around air quality sources and solutions, and opportunities to build leadership and presentation skills by sharing what they are learning with their communities and local leaders. Their work in identifying locations for bike racks around town will give them practical, tangible outcomes they can point to as the result of their work.

But far beyond that, this program would create long-term benefits for students and the community by giving them active voices in decisions that affect their lives and health, such as those concerning air quality, emissions reduction and mitigation.

I strongly support this project and commit to partnering on intern recruitment and exploring other ways Dixon High School can support the program.

  
Angela D. Brown, M.A., M.Ed.  
DHS Principal

555 College Way  
Dixon, CA 95620

Phone: 707-693-6330 Ext. 7113

Cell: 662-609-0317

[angela.brown@dixonusd.org](mailto:angela.brown@dixonusd.org)

Our greatest weakness lies in giving up. The most certain way to succeed is always to try just one more time.

-Thomas A. Edison

## Brielle Jamros

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**From:** Allison Nagel <allison@sustainablesolano.org>  
**Sent:** Thursday, April 17, 2025 6:56 PM  
**To:** Elena Karoulina  
**Cc:** Eden Winniford; cleanair@ysaqmd.org  
**Subject:** Re: Sustainable Solano Clean Air Funds application - Dixon Youth Air Protectors

Hi Eden,

Thank you for following up on this and your patience on my response. For the estimate, I connected with Ground Control out of Sacramento for a quote. Below is what they sent me. Based on that, I estimated about \$500 per rack (\$1500 for 3) and about \$800 for installation (\$2,300 total). Based on their quote, I figured the total for installation may end up being less, but also the cost of racks might increase during the year depending on tariffs.

I also recognize the Air District may have a better sense of other companies that supply and install racks, and we would be happy to reach out to others for quotes as part of the process.

If there's anything else you need, or you would like for me to forward you the original email from Ground Control, please let me know tomorrow. I'll make a point of checking my email in the morning and early afternoon.

Thank you!

Best,  
Allison

For ballpark purposes you're looking at about \$396 per rack before taxes/fees and about \$85 for shipping. This would come with all of the hardware for installation. Providing a ballpark for installation is a little more difficult to ballpark on a per-rack basis because part of the cost is actual labor of installing the rack and part of it is for the trip. For example, to drive out and install 1 rack we'd be looking at about \$400. If we were driving out and installing 2 racks in the same location it would be about \$500. With the baseline travel fee it basically gets cheaper per rack when we are doing more racks at once.

On Thu, Apr 17, 2025 at 2:10 PM Elena Karoulina <[elena@sustainablesolano.org](mailto:elena@sustainablesolano.org)> wrote:  
Hello Eden,

I just talked to Allison - she is on vacation and does not have access to her computer at this moment, but she will send the requested information to you later this evening.

Warm regards,  
Elena Karoulina  
Co-Executive Director  
[www.SustainableSolano.org](http://www.SustainableSolano.org)  
707-980-2890





# Yolo-Solano Air Quality Management District

## 2025 Clean Air Funds Application

Please complete this form. All fields are required. For details on project proposals including general project criteria, category-based project criteria and cost-effectiveness, please review the 2025 Clean Air Funds Program Information. Please contact District staff if you have questions regarding this form.

Attach required Project Proposal to this completed application form.

### Applicant Information:

Business/Organization Name: Catholic Charities Yolo Solano		
Physical Address: 620 Main Street		
City: Woodland	State: Ca	Zip: 95695
Mailing Address (if different from above):		
City:	State:	Zip:
Primary Contact Name: Chelsea McLaughlin		Title: Disaster Services Program Manager
Phone: 530-205-3792	Fax:	Email: cmclaughlin@ccyoso.org
Signing Authority Name: John Watkins		Title: Executive Director
Phone: 510-205-1982	Fax:	Email: jwatkins@ccyoso.org

### Project Information:

Project Title: Clean Air and Disaster Resilience: Education for Healthier Communities		
Brief Project Description: Clean Air Education in addition to Disaster Prep Education For a healthier and resilient community.		
Project Category: <input type="checkbox"/> Clean Vehicle Technology <input type="checkbox"/> Transit Services <input type="checkbox"/> Alternative Transportation <input checked="" type="checkbox"/> Public Information/Education		
Start Date: 7/1/25	Implementation Date*: 7/1/25	Completion Date: 6/30/26
Project Life**:		<i>Not applicable to Public Education/Outreach Projects</i>
<p>* Implementation date is the date that the project will begin it's intended benefit to the community. E.g., school assemblies begin, construction completed, etc.</p> <p>** Project Life is how long the project will continue to be used. E.g., road/vehicle useful life, etc.</p>		




**Funding Information:**

Total Project Budget: \$202,132			
Period: 7/1/25 to 6/30/26	Activity Description: AQMD Education & Outreach	\$	\$202,132
Period:	Activity Description:	\$	
Period:	Activity Description:	\$	
Period:	Activity Description:	\$	
Total Project Amount:			\$ \$202,132
Funding Requested:			\$ 46,759
<b>Budget Breakdown</b>			
Expense Type	YSAQMD Funding	Match Funding	Total
Capital	\$7,100	\$4,800	\$11,900
Personnel	\$ 39,659	\$ \$128,156	\$ 173,620
Grant Administration	\$ 0	\$ \$28,512	\$ 28,512
Total	\$ 46,759	\$ 155,373	\$ 202,132
Source of Matching Funds:		Funding Amount:	Date Funding Available:
LISTOS FY24-25 (Ending December 31, 2025		\$ \$50,000	7/1/25 to 12/31/25
LISTOS FY25-26		\$ \$150,000	7/1/25 to 12/31/26
Climate Smart Community Initiative Grant		\$ 30,000	7 /1/25 to 12/31/26
If reduced funding was available, would your project be able to proceed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If Yes, what is the minimum funding level at which your project could proceed? \$ \$25,000			

This application must be signed by the signing authority listed on this form. By signing this document, you are declaring that:

- All information contained in this document and in any attachment is true, accurate and complete to the best of your knowledge.
- The responsible official has the authority to apply for the grant funds on behalf of the applicant named.
- The applicant agrees to the terms and conditions of the agreement (included in the program information).
- Approved projects cannot be altered in any way without prior approval from the District (see draft agreement).

Signature: 	Date: 4/16/2025
Print Name: John Watkins, Executive Director	

**Application Deadline is 4:00 p.m. on Friday, April 18, 2025. Submit completed applications by:**

**Email:** [cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

**Mail:** 1947 Galileo Court, Ste. 103, Davis, CA 95618

## **Project Title: Clean Air and Disaster Resilience: Education for Healthier Communities**

Project Category: Public Education/Information

Target Area: Yolo and Solano Counties

### **Project Overview**

This project proposes to integrate clean air education into our existing disaster preparedness outreach and training efforts in vulnerable communities across Yolo and Solano Counties. By aligning clean air awareness with disaster readiness, an area where we already have strong community trust and engagement, we will expand the impact and value of our workshops while promoting long-term behavioral change that contributes to mobile source emissions reduction.

### **Project Objectives**

- Raise awareness about the relationship between air quality and public health, especially during and after natural disasters.
- Educate youth and adults about cleaner transportation options, air pollution sources, and how personal and community choices impact local air quality.
- Strengthen the disaster resilience of communities by integrating clean air considerations into planning and response.
- Engage 15,000 community members over a 12-month period through in-person events, workshops, and outreach campaigns.

### **Project Activities**

- Youth Programming: Add clean air education modules to ongoing youth disaster preparedness programs, with interactive activities, visual materials, and storytelling.
- Community Training: Integrate clean air topics into disaster preparedness training for adults, including actionable steps for reducing exposure to air pollutants and adopting cleaner transport options.
- Community Outreach Events: Host clean air and disaster resilience pop-up booths at local events, schools, and community centers.
- Educational Materials: Develop and distribute bilingual printed and digital content focused on clean air tips during wildfire season, low-emission transportation choices, and using air quality indices.

### **Measurable Outcomes**

Direct engagement with 15,000 community members over 12 months  
Conduct at least 15 youth workshops and 30 adult training sessions  
Distribute 10,000+ educational materials across both counties

**Partnerships and Collaborations**

We will leverage our strong network of over 60 established community partners across Yolo and Solano Counties to expand the reach and impact of this initiative. By working collaboratively with local schools, county emergency services, and community-based organizations already engaged in disaster resilience and environmental education, we will build on existing efforts and deepen community capacity. These partnerships will ensure a coordinated, locally-informed approach that reflects the unique needs and strengths of each community we serve.

**Innovation and Long-Term Impact**

This initiative takes an innovative, integrated approach by embedding clean air education into an already-trusted community outreach structure. By coupling environmental awareness with disaster preparedness, we foster long-lasting connections with participants, driving both behavioral change and emissions reduction. The project serves as a pilot model that can be replicated in similar regions.



## Brielle Jamros

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**From:** Chelsea McLaughlin <cmclaughlin@ccyoso.org>  
**Sent:** Thursday, April 17, 2025 8:29 PM  
**To:** Eden Winniford  
**Cc:** cleanair@ysaqmd.org; Jesus Zavala; John Watkins  
**Subject:** Re: 2025 Clean Air Funds Grant Application –Catholic Charities Yolo Solano  
**Attachments:** 2025 Clean Air Funds Application.pdf

Hello Eden,

Attached is the updated Budget.

The proposed project will cover all of Solano County in terms of the outreach that will be conducted. For workshop I did see that the only cities covered were Dixon, Vacaville, and Rio Vista.

### ***Proposed Workshops***

#### Solano

Dixon:

3 Youth

3 Adult

Vacaville:

1 Youth

2 Adult

Rio Vista:

2 Adult

#### Yolo

Woodland:

2 Youth 4 Adult

Davis:

3 Youth 3 Adult

Winters:

2 Youth 2 Adult

Esparto:

2 Youth 2 Adults

Madison:

2 Adult

Yolo:

1 Youth 2 Adult

West Sacramento:

2 Adult

Knights Landing:

1 Youth 4 Adult

### ***Ongoing Disaster Preparedness Programs:***

Leaven Kids Program- 2 Sites in Fairfield, 3 Sites in Vallejo

Migrant Centers- Davis, Dixon

Choc Housing Sites- Winters, Davis, Woodland

Mercy Housing Sites- West Sacramento

Yolo County Libraries- Yolo, Esparto  
Empower Yolo Resource Centers- Woodland, Knights Landing, Davis  
Parkway Plaza- Fairfield

### ***Disaster Preparedness Current Curriculum***

I'm excited to share the details of our 3-part youth curriculum on disaster preparedness. This series is designed to educate and empower students with the knowledge and tools they need to stay safe before, during, and after a disaster. Here's an overview of what each day includes:

#### **Day 1: Introduction to Disasters & Emergency Preparedness**

- Students will learn what a natural disaster is and explore the different types (e.g., earthquakes, floods, wildfires, etc.).
- We will cover how to prepare for a disaster, including what items go into a go-bag and why each item is important.

#### **Day 2: Prepare with Pedro & Mental Health in Disasters**

- Students will complete the "Prepare with Pedro" workbook, which walks them through steps to prepare for various disasters and how to keep themselves and their families safe.
- We will end the day with a conversation about mental health—how disasters can be scary, how to check in with yourself and others, and identifying their “safe person.”

#### **Day 3: Reflection & Celebration**

- Students will reflect on what they've learned and discuss whether they now feel more prepared.
- We'll play Disaster Bingo as a fun and engaging way to review key concepts and clear up any questions.
- There will be prizes like flashlights, emergency radios, and first aid kits.
- Each student will also receive a Catholic Charities Disaster Ready Certificate to recognize their completion of the program—and we'll celebrate their commitment to being disaster-ready!

This is what is currently being done for our disaster education without the components of clean air education.

On Thu, Apr 17, 2025 at 3:51 PM Eden Winniford <[EWinniford@ysaqmd.org](mailto:EWinniford@ysaqmd.org)> wrote:

Hi Chelsea,

Thank you for submitting Catholic Charities Yolo-Solano's Clean Air Funds application. I am confirming its receipt. We have reviewed your application and have a few clarifying questions to help us better understand the project you're proposing.

#### **Budget Questions:**

- The budget doesn't list any capital expenses, but the project proposal mentions distributing 10,000+ educational materials. If there is a cost associated with those materials, could you please move it to the capital section?

- The budget also has \$28,512 listed under grant administration. This section refers to admin costs directly associated with implementing the grant itself, such as reporting project outcomes to Yolo-Solano AQMD. Should those expenses be listed elsewhere?

Yolo-Solano AQMD only covers part of Solano County, including Dixon, Vacaville, and Rio Vista. We have the following questions about where the outreach will take place:

- Will the proposed project cover all of Solano County?
- Of the 15 youth workshops and 30 adult training sessions:
  - How many will be held in Fairfield, Vallejo, and Suisun City?
  - How many will be held in Dixon, Vacaville, and Rio Vista?
  - How many will be held in Woodland, Davis, Winters, Esparto, West Sacramento, and Knights Landing?
  - If you are not planning to hold a workshop in one or more of the communities I listed, please specify which one(s)
  - If you are planning to hold a workshop in a community I did not mention, please specify which one(s)

Misc questions:

- What are your ongoing youth disaster preparedness programs?
- Do you have any examples of current disaster preparedness educational materials that you would like to share?

Please let me know if you have any questions.

Thank you for your time,

**Eden Winniford**

**Air Quality Planner**

**Yolo-Solano Air Quality Management District**

Direct (530)757-3539 | Main (530) 757-3650

[ewinniford@ysaqmd.org](mailto:ewinniford@ysaqmd.org) | [www.ysaqmd.org](http://www.ysaqmd.org)

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**From:** Chelsea McLaughlin <[cmclaughlin@ccyoso.org](mailto:cmclaughlin@ccyoso.org)>

**Sent:** Thursday, April 17, 2025 3:08 PM

**To:** [cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

**Cc:** Jesus Zavala <[jzavala@ccyoso.org](mailto:jzavala@ccyoso.org)>; John Watkins <[jwatkins@ccyoso.org](mailto:jwatkins@ccyoso.org)>

**Subject:** 2025 Clean Air Funds Grant Application –Catholic Charities Yolo Solano

Good Afternoon,

On behalf of Catholic Charities Yolo-Solano, please find attached our completed application and proposal for the 2025 Clean Air Funds Grant through the Yolo-Solano Air Quality Management District. We are applying under the Public Education/Information category.

Our proposed project is a community-based public education initiative designed to raise awareness and promote behavioral change around clean transportation options and the reduction of mobile source emissions. We are focusing on outreach efforts in underserved communities across Yolo and Solano counties, including school-based education and local community events.

This project will be integrated into our existing disaster preparedness classes and outreach efforts, which already engage a wide range of community members in both English and Spanish. By embedding air quality and clean transportation education into these trusted and well-attended programs, we aim to deepen community understanding of how personal choices and local infrastructure can impact air quality and climate resilience. This approach ensures both cultural and contextual relevance while building on relationships we've already established in the community.

The proposal includes clearly defined objectives, measurable outcomes, and strong collaboration with community partners.

Thank you for considering our proposal. Please don't hesitate to contact us if any additional information is needed.

--

*Chelsea McLaughlin*

*Disaster Services Program Manager*

*Catholic Charities of Yolo - Solano*

*Phone: (530) 205-3792*

*Website: [www.ccyoso.org](http://www.ccyoso.org)*





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*Chelsea McLaughlin*  
*Disaster Services Program Manager*  
*Catholic Charities of Yolo - Solano*  
*Phone: (530) 205-3792*  
*Website: [www.ccyoso.org](http://www.ccyoso.org)*



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# Yolo-Solano Air Quality Management District

## 2025 Clean Air Funds Application

Please complete this form. All fields are required. For details on project proposals including general project criteria, category-based project criteria and cost-effectiveness, please review the 2025 Clean Air Funds Program Information. Please contact District staff if you have questions regarding this form.

Attach required Project Proposal to this completed application form.

### Applicant Information:

Business/Organization Name:		
Physical Address:		
City:	State:	Zip:
Mailing Address (if different from above):		
City:	State:	Zip:
Primary Contact Name:		Title:
Phone:	Fax:	Email:
Signing Authority Name:		Title:
Phone:	Fax:	Email:

### Project Information:

Project Title:		
Brief Project Description:		
Project Category: <input type="checkbox"/> Clean Vehicle Technology <input type="checkbox"/> Transit Services <input type="checkbox"/> Alternative Transportation <input type="checkbox"/> Public Information/Education		
Start Date:	Implementation Date*:	Completion Date:
Project Life**:		<i>Not applicable to Public Education/Outreach Projects</i>
<p>* Implementation date is the date that the project will begin it's intended benefit to the community. E.g., school assemblies begin, construction completed, etc.</p> <p>** Project Life is how long the project will continue to be used. E.g., road/vehicle useful life, etc.</p>		

**Funding Information:**

Total Project Budget:			
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Period:	Activity Description:		\$
Total Project Amount:			\$
Funding Requested:			\$
Budget Breakdown			
Expense Type	YSAQMD Funding	Match Funding	Total
Capital	\$	\$	\$
Personnel	\$	\$	\$
Grant Administration	\$ 0.00	\$	\$
Total	\$	\$	\$
Source of Matching Funds:		Funding Amount:	Date Funding Available:
		\$	
		\$	
		\$	
If reduced funding was available, would your project be able to proceed?			Yes      No
If Yes, what is the minimum funding level at which your project could proceed? \$			

This application must be signed by the signing authority listed on this form. By signing this document, you are declaring that:

- All information contained in this document and in any attachment is true, accurate and complete to the best of your knowledge.
- The responsible official has the authority to apply for the grant funds on behalf of the applicant named.
- The applicant agrees to the terms and conditions of the agreement (included in the program information).
- Approved projects cannot be altered in any way without prior approval from the District (see draft agreement).

Signature: <i>Christopher Rose</i>	Date:
Print Name:	

**Application Deadline is 4:00 p.m. on Friday, April 18, 2025. Submit completed applications by:**

**Email:** [cleanair@ysaqmd.org](mailto:cleanair@ysaqmd.org)

**Mail:** 1947 Galileo Court, Ste. 103, Davis, CA 95618



April 18, 2024

Yolo-Solano Air Quality Management District Clean Air Funds Program

Project Proposal

## **A Comprehensive Watershed Approach: Integrating Mobile Source Emissions Reduction into Solano RCD's Suisun Marsh Watershed Program**

### **Summary**

This one-year pilot project aims to enhance student understanding of Mobile Source Emissions Reduction through the development and implementation of an engaging [Nearpod](#) presentation by Solano RCD. Nearpod, an interactive learning platform proven to significantly boost student engagement, comprehension, and in-person instruction, will be utilized to deliver practical, real-world examples of how to reduce emissions.

Students will explore emissions through real-world scenarios, such as calculating the environmental impact of a bus ride to their Suisun Marsh field trip. These activities will empower students to identify and adopt emission-reducing strategies in their daily lives. This pilot will be administered to approximately 24 classes of sixth-grade students in Dixon, Vacaville, and Rio Vista, directly impacting and tracking the progress of roughly 650 students.

The project will serve as a valuable model for expanding environmental education and promoting sustainable practices within our community, leveraging the effectiveness of interactive learning to foster lasting behavioral change.

### **Background**

Solano RCD's award-winning environmental education program, including the established and impactful [Suisun Marsh Program](#), provides sixth-grade students with hands-on, field-based learning experiences at Rush Ranch Open Space, a property owned by the Solano Land Trust. Please find [this video](#) of the program for more information.

Since its inception in 2007, this program has successfully engaged over 20,000 students, with 1,700 enrolled in FY24-25 alone. Utilizing the unique environment of the Suisun Marsh as a living laboratory, the program fosters scientific thinking and ecological stewardship through a place-based, hands-on curriculum. This includes three pre-field trip readings, three in-class lessons focusing on water quality and watershed dynamics using a 3D model and topographic maps, and culminates in a three-hour field trip. During the field trip, students investigate aspects of the soil, water, and plant life of the Suisun Marsh, engage in mindfulness activities, and practice their observation skills, all while gaining an understanding of the interconnectedness of their local ecosystem.

While the program has historically focused on water education, expanding the breadth of the program to include air quality is the next step in offering a complete picture of our environmental impact. As students learn about watershed protection and air quality education, they will be able to draw connections to everyday human actions that affect both the land and air in their local environment.

## Project Objectives

- **Develop a State Standards-Aligned Nearpod Lesson:** Create an interactive Nearpod lesson on Mobile Source Emissions Reduction that meets California State Science Education Standards and Next Generation Science Standards, specifically targeting sixth-grade learning objectives.
- **Pilot Integration into Existing Curriculum:** Successfully pilot the integration of the Mobile Source Emissions Reduction Nearpod lesson into the existing in-class curriculum of Solano RCD's Suisun Marsh Program.
- **Engage Sixth-Grade Students in Air Quality Education:** Engage approximately 650 sixth-grade students (~24 classes) in Dixon, Vacaville, and Rio Vista with hands-on learning about Mobile Source Emissions Reduction science and its impacts on their health, their families, and the watershed.
- **Empower Students with Emissions Reduction Strategies:** Educate student participants on practical, actionable strategies for personally reducing mobile source emissions, such as biking or walking to school, and utilizing public transportation.
- **Expand Teacher Curriculum Integration:** Provide sixth-grade science teachers with the opportunity and resources to integrate both air and water quality education into their existing science curriculum, fostering a more comprehensive understanding of watershed health.

## Timeline

Activity	Timeframe
Develop Nearpod presentation	Summer 2025
Schedule in-class lessons, field trips	Summer/Fall 2025
Conduct in-class lessons & field trips	September 2025-March 2026
Analyze student assessments & evaluations	May-June 2026

## Measurable Outcomes

- Nearpod Curriculum Completion:
  - At least 80% of participating students will successfully complete the Mobile Source Emissions Reduction Nearpod presentation.

- Documentation will include student participation records and completion data from the Nearpod platform.
- Teacher Curriculum Integration:
  - At least 30-50% of participating teachers will report incorporating the Mobile Source Emissions Reduction concepts into their subsequent science lessons, as documented through teacher surveys and feedback forms.
  - Teachers will be asked to provide examples of how they used the Nearpod information in later lessons.
- Program Evaluation:
  - All student participants will complete a post-program evaluation that includes questions about the usefulness of the Nearpod lesson in helping them understand how they can reduce mobile source emissions.

### **Community Partners**

- Benicia Unified School District
- Dixon Unified School District
- Fairfield-Suisun Unified School District
- Travis Unified School District
- Vacaville Unified School District
- Vallejo City Unified School District
- River Delta Joint Unified School District
- Solano County Office of Education
- Solano Land Trust

### **Funding Agencies**

- Solano County Water Agency and anticipated additional sources (pending approval)
- Solano County Department of Resource Management
- Fairfield-Suisun Sewer District
- Vallejo Flood and Wastewater District
- Vacaville Public Education Foundation
- Solano County Orderly Growth Committee

Currently, for an approximate cost of \$332,725 in FY25/26, the budget comprehensively funds 67 classes from across the county on all aspects of the Suisun Marsh Watershed Program, from curriculum development and planning to program outreach, scheduling and delivery, to transportation and facility expenses, ensuring effective environmental education for students. Clean Air Funds from YSAQMD will provide funding to create the Nearpod presentation, coordinate with teachers in Vacaville, Dixon and Rio Vista (~24 classes) to ensure that this new presentation is implemented and integrated with other science content in the classroom, incorporate mobile source emissions reductions into field trip activities, and evaluate this pilot program on efficacy and reach.