

511 Contra Costa School Programs

Central County Measure J 21a Safe Transportation for Children Funds Status Update and Summary of Activities

Background

In Fall 2010, TRANSPAC authorized the allocation of FY 2009, 2010 and 2011 Central County Measure J Safe Transportation for Children 21a funds totaling \$758,000 to the Central County 511 Contra Costa Program. This allocation included: \$50,000 to the Mount Diablo Unified School District for transportation mitigation in response to a Concord school closure; \$32,000 in local matching funds to the City of Pleasant Hill for MTC Cycle 1 SR2S Climate Initiative Grant; and \$50,000 in local matching funds to 511 Contra Costa for MTC Cycle 1 SR2S Climate Initiative Grant.

As the oversight agency of the SR2S grant, Caltrans reimburses expenditures, and it was necessary to request a \$200,000 advance of the 21a funds from CCTA so that the City of Pleasant Hill, as 511 Contra Costa's fiscal agent, did not have to front-end funding for program expenditures. The work plan for the remainder of the 21a funds included: a pilot middle school bike/pedestrian safety program, development of an elementary school bike/pedestrian safety program, development of a follow-up middle school program, school site assessments and coordination services to identify and fund school access bicycle and pedestrian infrastructure projects.

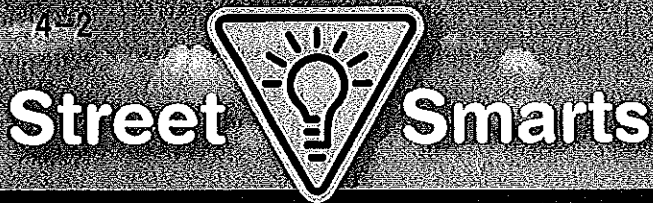
Pilot Middle School Program Development - *Peace on the Streets: Ride On!*

Description: 511 Contra Costa staff developed a week-long pilot bike/pedestrian safety education program named *Peace on the Streets: Ride On!* The program targeted middle school communities to educate students with life-saving road skills, while also reinforcing safe driving messages to the parents. The program's principal goals included:

- Educating and encouraging middle school students to bike and walk safely to school
- Identifying physical barriers to biking and walking at each school site
- Conducting comprehensive site assessments to further identify access safety improvements and bicycle infrastructure needs
- Collecting data and reporting on the trip reduction achieved at each school site through programmatic elements/ outreach efforts

The program was preceded by a comprehensive site assessment at each school, student travel surveys, and the distribution and analysis of Parent Surveys for community feedback regarding site access. The program included: Road Simulations/Bike Rodeos in Physical Education classes; a Parent Education Meeting with local police, health professionals, and city staff; a Commute Alternative Challenge Day; and finally a stunt and safety assembly as a reward to the school for participation.

Timeline: Fall 2010 (Project development) – Spring and Fall 2011 (Project implementation)



DIABLO REGION

A Traffic Safety Program

Participating Schools: Walnut Creek Intermediate (Walnut Creek), Pleasant Hill Middle School (Pleasant Hill), Diablo View Middle School (Clayton), and Martinez Junior High School (Martinez). Oak Grove Middle School (Concord) was selected as a fifth school; however the program was delayed due to a change in administration and a previously planned-for MDUSD Solar Panel project in the school's front parking lot.

| PILOT PROGRAM COSTS | |
|--------------------------------------|-----------------|
| Program Element | Cost |
| Staffing | \$40,100 |
| Road Simulation/ Bike Rodeo Trainers | \$14,470 |
| Stunt and Safety Assemblies | \$7,100 |
| Program incentives and supplies | \$6,880 |
| TOTAL Pilot Program Costs | \$68,550 |

Program Results:

- 3,403 Central Contra Costa County middle school students received bicycle/pedestrian safety training
- Reduced 713 measurable single-occupant-vehicle trips (as compared to pre-program student travel surveys)
- Engaged and coordinated multiple stakeholders, including: school administrators, local police departments and School Resource Officers, City staff, Contra Costa County Health Services staff, local health professionals, local retailers, local bicycle advocacy groups, East Bay Regional Park District volunteer members
- Conducted and reported comprehensive site assessments at each school
- Coordinated and installed bicycle infrastructure, paving, signage, striping and other access and infrastructure improvements (see Site Improvement Projects list below)
- Determined that the reward element of the stunt assembly would be cost-prohibitive in an expanded program to all Central Contra Costa County schools; however it was the highlight for many students and stakeholders
- Contacted local retailers and received approximately \$1,500 of in-kind donations

Street Smarts: Diablo Region- Expanded Bicycle/Pedestrian Safety Program

Upon review of the pilot program's successes, 511 Contra Costa staff modified the pilot program, which led to the award of MTC SR2S Climate Initiative funds for an expanded bicycle/pedestrian safety program for all schools (K-12) in Central Contra Costa County.

To utilize an already established *Street Smarts* (SR2S) brand employed in San Ramon Valley and West Contra Costa County, 511 Contra Costa rebranded the school program as *Street Smarts: Diablo Region* to maintain cohesion but also distinguish it from programs deployed in the SWAT and WCCTAC regions. *Street*

Smarts: Diablo Region includes separate elementary, middle and high school programs in Central and East County.

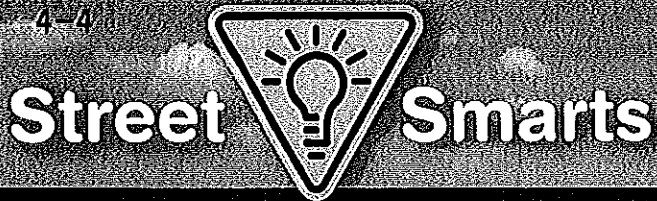
MTC SR2S funds prohibit expenditures for infrastructure and various support activities essential to the success of 511 Contra Costa school programs. Measure J 21a funds support these activities in Central County as well as elements necessary for the deployment of International Walk to School Day and Bike to School Week.

Street Smarts II: Follow-up Outreach and Infrastructure Program Development

In Fall 2012, 511 Contra Costa staff developed a parallel program to provide support activities for the *Street Smarts: Diablo Region* program. These included program elements prohibited by the MTC grant specifications, as well as a follow-up program to maintain momentum in schools that participated in the *Peace on the Streets: Ride On!* pilot program. To communicate with the newly branded *Street Smarts: Diablo Region* program, this effort was named *Street Smarts II: Follow Up-Outreach and Infrastructure Program*. The program's goals include:

- Integrating support activities for the *Street Smarts: Diablo Region* program
- Supporting International Walk to School Day and Bike to School Week activities in Central County
- Providing biannual Commute Alternative Challenge events for all interested schools
- Providing additional site assessment services
- Identifying small access improvements to support biking and walking to school as well as for the improvement of safety in drop-off/pick-up zones and expanded bicycle facilities
- Coordinating school districts, school principals, and City and County staff for access improvement projects

Description: The *Street Smarts II* Program provides each school campus with a sustainable, biannual Commute Alternative Challenge event organized and supported by 511 Contra Costa and facilitated by the school administration. 511 Contra Costa provides each school with an incentive prize of \$500 to market and facilitate a Commute Alternative Challenge Day that encourages every student to bike, walk, bus, or carpool to school. The school must also administer two days of pre-program student travel surveys and perform a day-of-event survey. 511 Contra Costa supplies each school with planning materials, marketing materials (i.e. fliers and banners), and raffle prizes for participating students. In some schools, the Leadership student group is involved in promoting and facilitating the event. In addition to sustaining momentum from the pilot program, the *Street Smarts II* Program continues supporting the schools' campus through comprehensive site assessments using school district/administration feedback, Parent Surveys, and coordination with City/County staff to identify small infrastructure projects which aid access points for all modes. This program also provides site assessment and infrastructure support services for all Central County schools participating in the *Street Smarts: Diablo Region* (SR2S) program, International Walk to School Day, and Bike to School Week activities.



DIABLO REGION

A Traffic Safety Program

Timeline: Fall 2012 – present

Participating School - Fall 2012: Walnut Creek Intermediate

Participating Schools - Spring 2013: Walnut Creek Intermediate (Walnut Creek), Pleasant Hill Middle School (Pleasant Hill), Diablo View Middle School (Clayton), Martinez Junior High School (Martinez)

| STREET SMARTS II: FOLLOWUP OUTREACH AND INFRASTRUCTURE PROGRAM COSTS TO DATE | |
|--|-----------------|
| Program Element | Cost |
| Staffing | \$28,000 |
| Program incentives and supplies | \$889 |
| TOTAL Program Costs to Date | \$28,889 |

Street Smarts II Support Activities

As the Street Smarts Diablo Region program rolls out, the Street Smarts II program supports it with additional services. These include:

- Site assessments are conducted at participating elementary and middle schools
- Infrastructure needs/requests are cataloged
- Staff works with schools, districts and city/county staff to coordinate infrastructure installation and access improvements at school sites
- Support is provided to Central County schools to promote International Walk to School Day and Bike to School Week each fall and spring

Central County Measure J 21a Safe Transportation for Children Funds
Site Improvement Projects

1. Diablo View Middle School Front Drop-Off/Pick-Up Lot Improvement (DVMS)

Stakeholders: Diablo View Middle School Administration, Mount Diablo Unified School District, City of Clayton

Background: Diablo View Middle School was the first school to participate in the *Peace on the Streets: Ride On!* Pilot Middle School Program. Pre-program Parent Surveys and site reviews demonstrated a lack of directional striping and signage in the front lot that created confusion and pedestrian-vehicle conflict. 511 Contra Costa staff observed existing drop-off and pick-up procedures with the school administration and worked with MDUSD Maintenance and Operations staff to determine appropriate improvements to the front lot. The project was delayed to Summer 2012 due to a conflict with a planned project between the City of Clayton and MDUSD.

Timeline: March 2011 - August 2012

| DVMS WORK COMPLETED | |
|--|---------|
| Improvement | Cost |
| Painting and restriping existing parking lot and curbs | \$4,000 |
| New stenciling in student drop-off and pick-up area | |

Work In-Progress:

- Performed Gym Court pick-up/drop-off lot access review in September 2012 after completion of Clayton Community Park punch-through project (MDUSD, City of Clayton)
- 511 Contra Costa will meet with City of Clayton staff and Diablo View Middle School administrators to address safety issues in the new punch-through access as well as on Marsh Creek Road

2. Walnut Creek Intermediate Bike Cage Extension (WCI)

Stakeholders: Walnut Creek Intermediate Administration, Walnut Creek School District, City of Walnut Creek

Background: Walnut Creek Intermediate was the second school to participate in the *Peace on the Streets: Ride On!* Pilot Middle School Program. Student travel surveys and on-site observations revealed the need for both additional capacity and space for safety measures in the existing bike cage to support the bicycling population. 511 Contra Costa staff reached out to the WCSD Director of Facilities and Maintenance to redesign the existing bicycle cage and agreed to fund a paved extension with additional purchased racks while the District agreed to coordinate installation.

Timeline: May - June 2011

Street Smarts

DIABLO REGION

A Traffic Safety Program

| WCI WORK COMPLETED | |
|---|---------|
| Improvement | Cost |
| Paved 20' extension to existing bicycle cage to increase total capacity by 40 bicycles and improve safety conditions for bicyclists | \$6,000 |
| Installed fencing for paved extension | \$980 |
| Purchased (2) galvanized single face and (1) galvanized double face vertical series bike racks | \$2,434 |

3. Pleasant Hill Middle School Secondary Bike Cage (PHMS)

Stakeholders: Pleasant Hill Middle School Administration, Mount Diablo Unified School District, City of Pleasant Hill

Background: Pleasant Hill Middle School was the third school to participate in the *Peace on the Streets: Ride On!* Pilot Middle School Program. During an initial site review, staff observed a broken fence on the secondary bike cage on campus that prevented locked storage and thus overflow in the primary bike cage. Staff met with the MDUSD Maintenance and Operations Director and found that repair and not replacement was necessary.

Timeline: June - August 2011

| PHMS WORK COMPLETED | |
|--|------|
| Improvement | Cost |
| Facilitated repair of broken door on secondary bike cage with MDUSD at no cost for the school site and provided capacity to secure an additional 30 bicycles | \$0 |

4. Martinez Junior High School Drop-Off /Pick- Up Lot (MJHS)

Stakeholders: Martinez Junior High School Administration, Martinez Unified School District, City of Martinez

Background: Martinez Junior High School was the fourth school to participate in the *Peace on the Streets: Ride On!* Pilot Middle School Program. The school campus has a single access point for all modes, and both Parent Surveys and on-site observations revealed major vehicle-pedestrian conflict in the shared space. Staff worked with the MJHS administration to repaint signage and striping as well as to install traffic barricades to ease this conflict.

Timeline: November - December 2011.

| MJHS WORK COMPLETED | |
|---|---------|
| Improvement | Cost |
| Installed (3) A-frame traffic barricades to prohibit traffic in drop-off zone | \$287 |
| Repainted parking lot striping to increase visibility and safety | \$3,875 |
| Painted new directional arrows to decrease confusion and increase safety | |

5. Oak Grove Middle School Front Drop-Off/ Pick-Up Lot (OGMS)

Stakeholders: Oak Grove Middle School Administration, Mount Diablo Unified School District, City of Concord

Background: Oak Grove Middle School was previously scheduled to participate in the pilot middle school program but rescheduled due to a change in administration and a scheduled MDUSD solar panel project. 511 Contra Costa staff performed a site review with the school administration in March 2012 which revealed the need for traffic-blocking measures during drop-off and pick-up hours for the safety of bicyclists and pedestrians.

Timeline: March 2012

| OGMS WORK COMPLETED | |
|---|-------|
| Improvement | Cost |
| Purchased (4) large safety cones to prohibit vehicle traffic in front parking lot during drop-off and pick-up | \$100 |

6. Westwood Elementary School Skateboard and Scooter Racks (WES)

Stakeholders: Westwood Elementary School Administration, Mount Diablo Unified School District, City of Concord

Background: In Fall 2011, Westwood Elementary School participated in International Walk to School Day activities. The Principal informed 511 Contra Costa staff that the campus shared bicycle/scooter facilities with the neighboring El Dorado Middle School and expressed a need for racks on their own campus to support the student population.

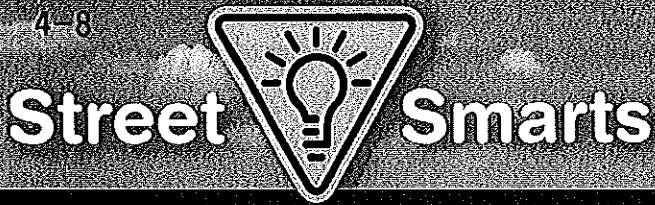
Timeline: May 2012

| WES WORK COMPLETED | |
|--|---------|
| Improvement | Cost |
| Purchased and delivered (2) skateboard and scooter racks | \$2,080 |

7. Walnut Creek School District-Wide Site Reviews (IN-PROGRESS)

Stakeholders: Walnut Creek School District, City of Walnut Creek, Contra Costa County, Bike Walnut Creek

Background: Building upon the partnership formed by the bike cage extension project at Walnut Creek Intermediate in June 2011, 511 Contra Costa staff met with the WCSD Director of Facilities and Maintenance in October 2012 to discuss performing comprehensive site reviews of all six schools in the district. This project has received support from the WCSD Superintendent and principals at all six schools as well as City of Walnut Creek/ Contra Costa County staff. In addition, WCSD agreed to schedule Mr. Beeps traffic safety assemblies (SR2S Program) district-wide in order to provide their community with education and encouragement alongside supporting the built environment.

**DIABLO REGION****A Traffic Safety Program**

Timeline: October 2012 - present

Work Completed:

- Met with WCSSD Director of Facilities and Maintenance to perform initial review of 6 school campuses
- Met with Principals of 6 schools and performed comprehensive site reviews
- Met with City of Walnut Creek staff to receive information on planned site support projects at each site and identified Bike Walnut Creek Volunteer group as additional stakeholder and resource for bicycle/pedestrian counts
- Met with Contra Costa County District 4 Supervisor Mitchoff's staff to receive information on Area of Benefit (AOB) project in-progress at Walnut Heights Elementary School

Work In-Progress:

- District-wide electronic Parent Survey for community feedback to be performed in Spring 2013
- District-wide bike/pedestrian counts to be performed through a partnership with Bike Walnut Creek in Spring 2013
- Based on site reviews and coordination of access improvements with City/County/WCSSD staff, small site improvement projects will be identified and implemented at each of the 6 schools

511 Contra Costa School Programs
 Central County Measure J 21a Safe Transportation for Children Fund
 Central Contra Costa County Participating Schools



| School Name | City | District | Program (M/J 21a and SR2S grant) | Minor School Access Requests (M/J 21a funds) |
|---------------------------------|---------|----------|--|---|
| Diablo View Middle School | Clayton | MDUSD | Spring 2011: Pilot Program Fall 2011: Intl. Walk to School Day Fall 2012: Intl. Walk to School Day Spring 2013: <i>Street Smarts II</i> | <ul style="list-style-type: none"> Completed Project: Lane striping and directional signage in front-lot Directional signage, curbside painting and striping in Gym Court lot |
| El Monte Elementary School | Concord | MDUSD | Spring 2013: <i>Street Smarts: Diablo Region</i> | <ul style="list-style-type: none"> Directional signage and lane striping |
| Meadow Homes Elementary School | Concord | MDUSD | Spring 2013: <i>Street Smarts: Diablo Region</i> | <ul style="list-style-type: none"> Directional signage and lane striping |
| Cambridge Elementary School | Concord | MDUSD | Fall 2012: <i>Street Smarts: Diablo Region</i> | <ul style="list-style-type: none"> Signage and/ or repainting of school-front crosswalk due to sun glare |
| Monte Gardens Elementary School | Concord | MDUSD | Spring 2013: <i>Street Smarts: Diablo Region</i> | TBD |
| Wren Avenue Elementary School | Concord | MDUSD | Fall 2012: <i>Street Smarts: Diablo Region</i> | <ul style="list-style-type: none"> Traffic safety signage for speed control |
| El Dorado Middle School | Concord | MDUSD | Spring 2013: <i>Street Smarts: Diablo Region</i> | <ul style="list-style-type: none"> Repainting of crosswalks for increased visibility Directional signage in bus loop |
| Oak Grove Middle School | Concord | MDUSD | | <ul style="list-style-type: none"> Completed Project: Purchased traffic barricades |
| Westwood Elementary School | Concord | MDUSD | Fall 2011: Intl. Walk to School Day Fall 2012: Intl. Walk to School Day | <ul style="list-style-type: none"> Completed Project: Purchased skateboard/scooter racks |

511 Contra Costa School Programs
 Central County Measure J 21a Safe Transportation for Children Fund
 Central Contra Costa County Participating Schools

| School Name | City | District | Program (M/J 21a and SR2S grant) | Minor School Access Requests (M/J 21a funds) |
|-----------------------------------|---------------|----------|---|---|
| Martinez Junior High School | Martinez | MUSD | Fall 2012: Pilot Program Spring 2013: <i>Street Smarts II</i> | <ul style="list-style-type: none"> Completed Project: Directional striping and signage; purchased traffic barricades |
| John Muir Elementary School | Martinez | MUSD | Fall 2012: <i>Street Smarts: Diablo Region</i> | <ul style="list-style-type: none"> Directional signage Ceramic raised pavement markers for lane differentiation |
| Las Juntas Elementary School | Martinez | MUSD | Fall 2012: <i>Street Smarts: Diablo Region</i> | <ul style="list-style-type: none"> Curbside painting in drop-off area |
| Morello Park Elementary School | Martinez | MUSD | Fall 2012: <i>Street Smarts: Diablo Region</i> | <ul style="list-style-type: none"> Repainting of crosswalks for increased visibility Directional signage |
| Gregory Gardens Elementary School | Pleasant Hill | MDUSD | Fall 2011: Intl. Walk to School Day Fall 2012: Intl. Walk to School Day | TBD |
| Pleasant Hill Middle School | Pleasant Hill | MDUSD | Spring 2011: Pilot Program Fall 2011: Intl. Walk to School Day Spring 2013: <i>Street Smarts II</i> | <ul style="list-style-type: none"> Completed Project: Secondary bike cage Directional signage and striping on Monticello Avenue (MDUSD property) |
| Sequoia Middle School | Pleasant Hill | MDUSD | Spring 2013: <i>Street Smarts: Diablo Region</i> | <ul style="list-style-type: none"> Directional signage and striping for vehicular and pedestrian traffic Repainting of sidewalks for increased visibility of pedestrian traffic |
| Pleasant Hill Elementary School | Pleasant Hill | MDUSD | Spring 2013: <i>Street Smarts: Diablo Region</i> | TBD |
| Strandwood Elementary School | Pleasant Hill | MDUSD | Fall 2011: Intl. Walk to School Day Spring 2013: <i>Street Smarts: Diablo Region</i> | TBD |

511 Contra Costa School Programs
 Central County Measure J 21a Safe Transportation for Children Fund
 Central Contra Costa County Participating Schools



| School Name | City | District | Program (M/J 21a and SR2S grant) | Minor School Access Requests (M/J 21a funds) |
|----------------------------------|---------------|----------|--|--|
| Valhalla Elementary School | Pleasant Hill | MDUSD | Spring 2013: <i>Street Smarts: Diablo Region</i> | TBD |
| Bancroft Elementary School | Walnut Creek | MDUSD | Spring 2013: <i>Street Smarts: Diablo Region</i> Fall 2011: Intl. Walk to School Day Fall 2012: Intl. Walk to School Day | TBD |
| Buena Vista Elementary School | Walnut Creek | WCSD | Fall 2012: <i>Street Smarts: Diablo Region</i> | <ul style="list-style-type: none"> Directional signage and ground striping for School Lane drop-off area Bicycle racks for additional capacity Repaving of Alvarado lot |
| Indian Valley Elementary School | Walnut Creek | WCSD | Spring 2013: <i>Street Smarts: Diablo Region</i> | <ul style="list-style-type: none"> Modify the channelizing island in the roundabout to better direct traffic Widen driveway for additional entry lane Directional signage and striping |
| Murwood Elementary School | Walnut Creek | WCSD | Fall 2012: <i>Street Smarts: Diablo Region</i> Fall 2012: Intl. Walk to School Day | <ul style="list-style-type: none"> Pave existing pedestrian pathway from Ward Drive onto school campus Redesign drop-off area to remove staff parking and create additional lane for vehicular traffic |
| Parkmead Elementary School | Walnut Creek | WCSD | Fall 2011: Intl. Walk to School Day Fall 2012: Intl. Walk to School Day | <ul style="list-style-type: none"> Repainting of lane markers in front lot Bicycle racks for additional capacity |
| Walnut Heights Elementary School | Walnut Creek | WCSD | Spring 2013: <i>Street Smarts: Diablo Region</i> | <ul style="list-style-type: none"> Directional signage and lane striping |
| Walnut Creek Intermediate | Walnut Creek | WCSD | Spring 2011: Pilot Program Fall 2011: Intl. Walk to School Day Fall 2012: Intl. Walk to School Day Fall 2012: Street Smarts II Spring 2013: Street Smarts II | <ul style="list-style-type: none"> <u>Completed Project</u>: created bike cage extension and purchased additional racks Directional signage in front drop-off area |

| Current Participation Status of Central County Schools in 511CC Programs | | | | |
|--|------------------------------|--|--|---|
| | Total Central County Schools | Total Central County Schools Participating in Programs | Percentage of Central County Schools Participating in Programs | Number of Times Contacted by 511CC |
| Elementary | 34 | 19 | 56% | X 3 |
| Middle | 10 | 7 | 70% | X 2 |
| High | 8 | N/A | N/A | Program under development for Fall 2013 |
| Total | 52 | 26 | 50% | |



TO: TRANSPAC TAC

FROM: Corinne Dutra-Roberts, 511 Contra Costa Sr. Transportation Analyst for Lynn Overcashier, TDM Program Manager

DATE: February 28, 2013

RE: Request for additional Central County MJ 21a funds to support on-going bicycle/pedestrian safety program elements; school access/bicycle infrastructure improvements; and estimated local matching fund requirements for Central County jurisdictions when applying for the upcoming 2013 Cycle 2 SR2S funds

511 Contra Costa staff is requesting additional Central County Measure J 21a Safe Transportation Funds for Children. Funding requested is for on-going annual support of the Central County Street Smarts Program, with an expectation that biennially funds would be programmed to meet local matching fund requirements for future Federal Cycles of SR2S funding.

Funding requested would cover costs associated with the following:

- Coordination and installation of pedestrian and bicycle access infrastructure improvements at school sites;
- Expansion of the Street Smarts Diablo Region Street Smarts II Program;
- Local matching funds necessary for Central County jurisdictions to apply for 2013 Cycle 2 SR2S funds.

TRANSPAC/TRANSPAN TDM PROGRAMS



COMMUNITY PROGRAMS

EMPLOYER PROGRAMS

In cooperation with: Antioch • Brentwood • Clayton • Concord • Martinez • Oakley
Pittsburg • Pleasant Hill • Walnut Creek • unincorporated areas of Central and East Contra Costa County