



John Ciccarelli / Bicycle Solutions

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KEY QUALIFICATIONS

- *Recognized leader in nonmotorized safety, planning, education, and technical standards areas*
- *Experienced planner and designer familiar with layout and operation of streets, paths, intersections and interchanges for bicycle and pedestrian accommodation and safety*
- *Outstanding oral, written, and online communication skills including workshop facilitation, seminar leadership and development Talented at explaining technical concepts concisely, simply, and understandably to all audiences, in small- and large-group settings*
- *Experience creating campus, corridor, city, county, regional, and special-facility bicycle plans*

EXPERIENCE

BICYCLE MASTER PLANS AND STUDIES

San Mateo (CA) Bicycle Master Plan, 2010-present. Comprehensive plan for medium-sized city on San Francisco Peninsula. Responsible for citywide facilities inventory, assistance with public process, goals / policies / objectives.

Houston Energy Corridor District Bicycle Master Plan, 2009. First plan for corporate headquarters district in west Houston. Wrote Education / Promotion / Outreach chapter.

Harvard University Allston Campus Master Plan, 2006-present. Member of Streetscape and Circulation team developing 50-year master plan for major expansion of Allston campus, where Harvard Business School is located. Responsible for network and cross section design for bicycle and shared-use path circulation including 10-level Travelway Typology, campus-wide circulation network map, bicycle parking and storage. Detailed bicycle plan for Science Complex. Recommended racks and siting for bicycle, scooter and motorcycle parking.

City of Los Angeles Bicycle Plan, 2007-08. Comprehensive update of citywide plan. Updated and corrected complex spreadsheet model used to determine initial bike lane feasibility. Photographed and measured cross sections on 180 miles of arterial streets by car and bike. Wrote detailed report recommending where and how to retrofit with bike lanes.

City of Sunnyvale (CA) Bicycle Plan, 2005-06. Comprehensive update of city plan including policies and CIP. Added neighborhood signed routes and traffic-calmed bicycle routes.

Los Angeles County Metro Bicycle Transportation Strategic Plan, 2004-05. Study of 170 transit hubs for future bicycle route improvements. Created analysis and ranking matrix. Audits on bike of half-mile areas around 12 sites. Visited local agencies, presented findings.

San Jose (CA) Airport Bicycle-Pedestrian Master Plan, 2004-05. Technical lead on plan for three build-out phases. Field inventory, coordination with adjacent trail and interchange projects. Worked with Airport Master Plan teams, created maps, presentation, report.

City of Menlo Park (CA) Bicycle Plan, 2004. Field surveys, conceptual design for bicycle lanes on multilane arterial including freeway interchange.

MTC San Francisco Bay Area Regional Bicycle Master Plan, 2001. Responsible for Santa Clara County and San Mateo County data and routes, plus Education.

Alameda County (CA) Countywide Bicycle Plan, 2000. Responsible for field work and improvements list for South County and Tri-Valley, also Education chapter.

Houston/Galveston Bicycle/Pedestrian Special Districts Study, 2003-04. Analyzed issues and opportunities in high-scoring districts within eight-county area. Co-led public meetings in Houston's Third Ward.

High School Student Bicycle Route Study, Palo Alto (CA) Unified School District, 2001. Studied student bicycle routes from two miles away. Met parents, produced illustrated report.

City of Palo Alto (CA) Bicycle Plan, 1999 – 2000. Field work and proposed improvements for one-third of city. Bicycle parking inventory, education chapter.

CORRIDOR AND INTERSECTION STUDIES, DESIGNS, AND STANDARDS

South Bay Harbor Trail, Boston, MA, 2009. Reviewed 25% plan set for major new bicycle-pedestrian facility including path segments, crossings, on/off-street transitions, bike lanes.

Buchanan Street Path, Albany, CA, 2008-present. Alignment alternatives and design development to 35% for shared-use path along key arterial, to link city's bikeway network to playing fields, school, park, USDA complex, Bay Trail. Field work, public meetings, cross-section and intersection designs.

King Street Bikeway (Bicycle Boulevard) Concept Plan, Santa Cruz, CA, 2007-08. Alternatives analysis for enhanced bikeway on 1-mile residential street parallel to State Highway 1. Analysis of speed and volume data, development of bike lane and bike boulevard (diverter) alternatives. Presented and led discussion at large public meeting.

Iron Horse Trail Feasibility Study, Livermore, CA, 2007-08. Alignment alternatives for trail along six-mile rail corridor including access to two train stations. Field work, outreach, concepts for intersections, mid-block crossings, over/undercrossings, spur trails.

Union Pacific Railroad Corridor Trail Feasibility Study, Fremont, CA, 2006-07. Alignment alternatives and concept plans for intersections along nine-mile rail & future BART corridor. Field work, neighborhood outreach, detailed intersection and spur trail concepts.

Coyote Creek Trail Reach 5&6 Infrastructure Evaluation, San Jose, CA, 2004-05. Study of improvements for 1.2-mile segment to meet County standards. Wrote illustrated report.

MacArthur Boulevard Bikeway Study, Park Boulevard to Lincoln Avenue, Oakland, CA, 2005-06. Analyzed feasibility of adding bicycle lanes to two-mile segment, with shared-roadway alternative in westbound direction. Included design of one-block path connector.

Market Street Bike Lanes Signing & Striping Plan, Oakland, CA, 2005-06. Designed bicycle lane striping and bicycle route signage for two-mile multi-lane segment.

40th Street Bikeway Feasibility Study, Oakland, CA, 2005. Analyzed traffic, parking, transit on 1.3-mile segment of multi-lane street for adding bicycle lanes.

College Terrace Neighborhood Traffic Calming, Palo Alto, CA, 2004, as neighborhood volunteer and technical resource. Coordinated three license plate surveys at 20 locations with 60 volunteers. Identified issues with consultant.

Richmond – San Rafael Bridge / I-580 Bicycle/ Pedestrian Study, 2003-04. Analysis of feeder routes, interchanges, conceptual design of bikeway on 4.3 mile bridge across SF Bay.

Union Pacific Railroad Rail-With-Trail Feasibility Study, 2001. Designed, conducted and summarized survey of potential trail users. Presented results at public workshop.

Expressway Bicycle Accommodation Guidelines, Santa Clara County, CA, 2002-03. With staff, created standards document for bicycle accommodation (striping, signage).

Almond Avenue Safe Routes To School, Los Altos, CA, 2002-03. Traffic calming and walkability plan for one-mile collector with elementary and high school including roundabouts and modified-T intersections. Four public meetings, outreach.

El Camino Real Context Sensitive Design Study, Palo Alto, CA, 2002-03 (Advisory Group member). Advised on ways to improve bicycling and walking along and across four-mile segment of six-lane, 45K ADT commercial arterial.

City of Sunnyvale, CA 2000-01. Study for roundabout at collector/local street intersection. Designed neighborhood traffic circle, recommended additional calming options 1/3-mile street.

LAND DEVELOPMENT SUPPORT AND BUILDING DESIGN/REUSE

Energy Corridor District Livable Center Plan, Houston, TX, 2010-present. Prime: LRK Architects. Client: Houston-Galveston Area Council (MPO). Architectural, land use, transportation and economic plan for "gateway" redevelopment of large park-and-ride lot in growing corporate headquarters district along I-10 in west Houston.

University Village at San Pablo, Albany, CA, 2009-present. Client: The Lalanne Group. Identified bicycle and pedestrian issues and opportunities for mixed use development proposal (major grocery, senior housing) on urban commercial arterial with neighborhood street bike routes. Met with stakeholders and city. Suggested alignment and details of trail, bike parking.

Fullerton Campus Village, Fullerton, CA, 2007-08. Client: JPI Multifamily Investments / Inland American Communities. Produced illustrated bicycle circulation, parking and high-density storage plan for proposed large proposed mixed-use student residence two blocks from CSU Fullerton campus. With development team, met with stakeholders and advised on City Council presentation. Project received unanimous City Council approval.

Treasure Island / Yerba Buena Island redevelopment (San Francisco, CA), 2005-present. Client: T.I. Community Development (developer). Reviewed street typologies, street and path network, and transit hub design for "green" redevelopment of island in San Francisco Bay. Wrote bicycle section of Transportation Plan. Program includes bicycle storage at residences and transit hub, bicycle and pedestrian linkage around Yerba Buena Island to Bay Bridge bicycle paths, car-sharing, incentives to reduce single-occupant vehicle trips.

College Terrace Centre, Palo Alto, CA, 2008. Reviewed plan and 3-D architectural model for proposed mixed-use redevelopment of small city block, including Class 1 office space, neighborhood grocery store, underground parking, potential mini-park. Advised on program changes, presentation, and local business association outreach strategy.

(Proposed project in San Mateo County, CA), 2008. Advised prospective developer of a multi-block project on size, function, pedestrian / bicycle / vehicular benefits and other implications of converting a large signalized intersection to a 2-lane Modern Roundabout.

Downtown Burbank Metrolink Station Bicycle Facility (Burbank, CA), 2007. Created illustrated conceptual plan for adaptive reuse of art deco station shelter to incorporate 2-level commuter bicycle storage and flexible activity room with reconfigurable wall+door panels.

Foothill Boulevard Design Charrette, Claremont, CA, 2004. With team, held multi-day workshop for conceptual design of one-mile segment of four-lane commercial arterial. Conducted walking audits with residents and officials. Produced dimensioned concept sketches for lane reduction, curb extensions, enhanced crosswalks, and improved pedestrian routes through commercial parking lots.

Palo Alto Bikestation (Palo Alto, CA), 1999. Designed and implemented 2-level storage for 90 commuter bicycles and 2-level storage for boxed (unassembled) bicycles at major commuter rail station on Caltrain line, operated by local bicycle retail shop. Contributed to marketing plan and publicity for grand opening event.

TRAFFIC SAFETY REVIEWS / EXPERT WITNESS / ON-CALL PLANNING AND DESIGN

Please call for details of other expert witness work.

Tri-Met, Portland, OR, 2006-07. Expert Witness work. Performed field measurements, photography, collision reconstruction and analysis for successful defense of transit agency in case involving a bicyclist fatality at a light rail station. Report included detailed analysis of train data recorder log, and was used by consulting firm's lead rail expert in 4-hour testimony.

UC Berkeley ITS Technology Transfer Program, 1999-present. Engineering Evaluator for Traffic Safety Evaluation (TSE) and Pedestrian Safety Assessment (PSA) programs. TSE and PSA offer free two-day, two-evaluator on-site reviews to CA cities. Have visited over 50 cities; for each, co-wrote illustrated report with engineering, policy and procedural recommendations.

Santa Clara County, CA, 1999-2005. Plan reviews and on-bicycle field reviews of pavement, striping, signing of expressways for bicycle suitability. Produced illustrated reports.

NASA Jet Propulsion Laboratories, Pasadena, CA, 2002. Three-day on-site review requested by Occupational Safety Office, stemming from a bicycle commuter fatality involving a deer. Produced 50-page illustrated report with recommendations for vehicles including low-speed and two-wheel types, bicycles, pedestrians.

City of Menlo Park, CA, 2001-03. On-call bicycle planning/engineering (striping, detection, school routes, plan checks). Bicycle lane plans for two streets. Advised on re-striping and redesign of two US-101 freeway interchanges.

Palo Alto (CA) Unified School District, 2001-03. Reviewed bicycle access/parking for middle school. Redesigned bicycle access to middle school from adjacent path across parking lot to improve safety. Redesigned high school parking lot to create a safe bike/walk route into campus from major citywide trail. At another high school, studied drop-off, parking, bike/ped access; suggested parking and circulation changes.

SCHOOL PEDESTRIAN SAFETY (* = THROUGH UC BERKELEY ITS TECH TRANSFER)

***City of Gonzales, CA**, 2005. Recommended crosswalk improvements at elementary school.

***County of Tulare, CA**, 2005. Recommended pedestrian safety and pickup/drop-off improvements at two schools, including lane reconfiguration at elementary school.

***City of Covina, CA**, 2002. Recommended pedestrian safety and pickup/drop-off improvements at two schools, including new turnaround at middle school.

***City of Orinda, CA**, 2002. Recommended improvements for pedestrian safety and traffic calming near Sleepy Hollow Elementary. Suggested changes to pickup/drop-off area, bus routes, and walkways. Presented at neighborhood meeting.

***City of Benicia, CA**, 2002. Recommended improvements for pedestrian safety and traffic calming at elementary school and middle school.

***City of Sonoma, CA**, 2001. Recommended pedestrian safety and traffic calming improvements at high school. Photo visualization of street and parking changes.

***Town of Los Gatos, CA**, 2000. Recommended pedestrian safety and pickup/drop-off improvements at elementary school in neighboring Monte Sereno.

City of Salinas, CA / Monterey CO Dept of Health, 1998. Counted and mapped walkers to large elementary school. Met students, health staff, parents, principal, police, traffic engineer, commissioners, bus driver. Recommended street and bus route changes, safety promotions.

SEMINAR DEVELOPMENT AND LEADERSHIP

Caltrans "Bikes On Roadways" course development, 2007-08. Created PowerPoint slideshow and instructor notes for 1-day workshop on bicycle accommodation on roadways and interchanges, for statewide training of state DOT's landscape architects and other staff.

Boston Bikes Summit, October 2007. One of three invited national experts leading three-day series of workshops, stakeholder meetings, and field trips as the Boston set the course for policy, planning, design, and infrastructure. Facilitated meetings, assisted with presentations.

Sharing The Streets: Cars, Trucks and Bicycles (UC Berkeley Tech Transfer course TS-06), 2004-05. Developed 1-day workshop for engineers and planners covering on-street bicycle accommodation. Presented 3 times.

Caltrans Non-Motorized Travel Training Program, 2003-04. Co-created 8-module PowerPoint slideshow and instructor notes for 1-day workshop on bicycle accommodation on roadways and interchanges, for statewide training of state DOT's engineers and planners.

Design for Safe Bicycle Accommodation, Los Angeles County Metro, 2002. Created all-day workshop on bicycle accommodation, presented to 75 planners and engineers. On second day, conducted one-hour plan reviews of selected projects with staff of several cities.

League of American Bicyclists "Bike Ed" Program, League Certified Instructor (LCI) #453, 1996-present. U.S. national bicycle driver-ed program with 20-hour instructor qualification.

"Learn To Bike At Any Age", Personal Coach, 2001- present. 1-on-1 and small-group lessons for adults and teens learning to ride for the first time. Have taught over 100 persons, ages 6-61, privately and in classes for City of San Francisco and Stanford University.

BICYCLE PROGRAM MANAGEMENT

Bicycle Program Manager, Stanford University, 1995-1998. As Stanford's first Bicycle Program Manager, reviewed plans for streets, paths, transit malls, parking and buildings during a three-year

period of major changes to campus streetscape and circulation. Created and implemented \$600K Bicycle Facilities Plan. Created departmental bicycle fleet program.

ADVISORY COMMITTEE EXPERIENCE (BAC/BPAC = BICYCLE/[PEDESTRIAN] ADVISORY COMMITTEE)

El Camino Real Context Sensitive Design Study, Palo Alto, CA, 2002-03 (Advisory Group member). Advised on ways to improve bicycling and walking along and across four-mile segment of six-lane, 45K ADT commercial arterial.

Caltrans Nonmotorized Travel Team, 2003. Invited contributor at Caltrans (state DOT) headquarters internal working group discussing changes to design standards, including bicycle and pedestrian accommodation through interchanges.

Statewide Safety Study of Bicycles and Pedestrians on Freeways, Expressways, Toll Bridges, and Tunnels, Mineta Transportation Institute report #01-01, 2001. Member of Study Advisory Committee. Synthesis study of bicycle- and pedestrian-involved collisions on freeway and expressway segments and interchange elements throughout California.

San Francisco - Oakland Bay Bridge BPAC, Member, 1997-99. With Caltrans and consultants, developed functional requirements for future multi-use paths on 4.5-mile bridge across San Francisco Bay.

Santa Clara County (CA) BAC, Charter member / Chair 1992-98. Served on working group for 1996 "Measure A+B" initiative (9-yr 1/2-cent sales tax, \$1.1 Billion for roads, transit, bikes).

Caltrain BAC, Santa Clara County Alternate, 1991-94. Advised on startup of Bikes On Board program, design of on-board racks, signs, "destination tags". Trains now carry up to 64 bikes.

EDUCATION

Selected professional development courses

Safe Routes To School National Course, National Center for SRTS, 4-day certification. October 2008.
Certified to teach the 1-day National Course as an Infrastructure Instructor.

Trail Design, Portland State University / IPBI, one day, October 2007

Designing Sidewalks for (ADA) Access, FHWA, 2002

Traffic Calming, UC Berkeley Extension, 2000

Fundamentals of Traffic Engineering, UC Berkeley Extension, five days, 1999

Roadway Safety Analysis, UC Berkeley Extension, 1999

The Technique of Town Planning, Andres Duany, 3 days plus 4-day / 5-project tour, 1998

Modern Roundabouts, Capacity analysis, geometrics, simulation, 1997

University of Maryland, College Park, BS, Electrical Engineering, cum laude, Dec 1977

PROFESSIONAL AFFILIATIONS

National Committee on Uniform Traffic Control Devices, Bicycle Technical Committee -- Member

Institute of Transportation Engineers (ITE) -- Associate Member

Association of Bicycle and Pedestrian Professionals (APBP) -- Member

League of American Bicyclists (LAB) -- Life member, League Cycling Instructor #453-CK

California Bicycle Coalition (CBC) -- Member, Board of Directors

PUBLICATIONS

Principal author of APBP Bicycle Parking Guidelines (for planners and developers), 2nd edition (2009), and 1st edition (2002).

Bicycle Boulevards case study, UNC Highway Safety Research Center, 2003

"Bicycle Boulevards", article in ITS Tech Transfer newsletter, UC Berkeley Institute for Transportation Studies, Fall 1999.

"Caltrain 'Bikes On Board' Program", article in Improving Conditions for Bicycling and Walking: A Best Practices Report, by Rails-To-Trails Conservancy and APBP for Federal Highway Administration, 1998.