



## City of Irvine's Bicycle Friendly Community application

**Name of Community:**

City of Irvine

**Mayor or top elected official in municipality:**

Sukhee Kang, Mayor

**Contact First Name:**

Cheryl

**Contact Last Name:**

Martinez

**Position:**

Associate Transportation Analyst

**Employer:**

City of Irvine

**Address:**

1 Civic Center Plaza

**City:**

Irvine

**State:**

CA

**Zip:**

92623-9575

**Phone:**

949-724-7313

**Fax:** (not required)

949-724-7517

**Email:**

cmartinez@ci.irvine.ca.us

**Website:** (not required)

<http://www.irvine.ca.us>

**Population:**

186220

**Square mileage of municipality, Total Area:**

65.00

**Square mileage of municipality, Water Area:**

64.00

**Square mileage of municipality, Land Area:**

1.00

**Population Density:**

2909.00

**Average temperature for January:**

64.80

**Average temperature for April:**

70.30

**Average temperature for July:**

82.20

**Average temperature for October:**

77.20

**Average precipitation for January:**

4.30

**Average precipitation for April:**

0.40

**Average precipitation for July:**

0.10

**Average precipitation for October:**

0.20

**Median Income:**

85624

**Age distribution, % under 20:**

29.00

**Age distribution, % 20 - 64:**

64.00

**Age distribution, % 65 - 84:**

6.00

**Age distribution, % 85+:**

1.00

**Race, % Hispanic or Latino :**

9.00

**Race, % Not Hispanic or Latino:**

91.00

**Race, % One race:**

97.30

**Race, % White:**

56.60

**Race, % Black or African American:**

2.00

**Race, % American Indian and Alaska Native:**

0.20

**Race, % Asian:**

35.20

**Race, % Native Hawaiian and Other Pacific Islander:**

0.20

**Race, % Some other race:**

3.20

**Race, % Two or more races:**

**If you have Journey-to-Work census data on bicycling to work, what percentage of people in your community bike to work?**

4.00

**How many households are within 1/4 mile of a retail or business area?**

Most

**How many neighborhoods have significant grass, flowers, and trees?**

All

**How many neighborhoods have significant amenities such as parks, water fountains, benches, and public art?**

All

**How many neighborhoods in your community would you consider a good place to raise children?**

All

**Do you have a Bicycle Master Plan?**

Yes

**Do you have a written bicycle accommodation policy?**

Yes

**What was your community's most significant investment for bicycling in the past year?**

Prior Projects Funded / Completed FY 2001-02 BTA Irvine Train Station Bicycle Lockers - \$17,600 FY 2002-03 BTA - Jeffrey / I-405 Bicycle Bridge Project - \$2,550,000 FY 2003-04 BTA - UCI Ring Mall Gap Closure - \$105,000 FY 2003-04 TEA Irvine Train Station Bicycle Lockers - \$24,000 FY 2003-07 Prop 12 Sand Diego Creek / Peters Canyon Tree Planting - \$65,000 FY 2005-06 / 07-08 BTA - Woodbridge Trail Rehabilitation - \$87,550 FY 2007-08 TEA Jeffrey / I-405 Bicycle Bridge Enhancement / Class I Bikeway Landscaping - \$475,000 Approved Project for FY 2009-10 Federal Safe Routes to School (Cycle 2) Approved by Caltrans September 2008 FY 2009-10 - Total Award - \$500,000 City of Irvine Comprehensive Bicycle / Walking Safety Education and Sustainable Walking Program Part 1 Comprehensive Bicycle / Walking Safety Education Program - The City will contract with Safe Moves, a non-profit organization, to provide a comprehensive bicycle / walking safety educational program to school age youth at all 29 schools and approximately 19,500 students within the cities of Irvine and Tustin. The educational program will include over 650 individual events entailing student workshops, school pedestrian and bicycle safety rodeos, parent workshops, Saturday family rodeos, and distribution of educational materials. Part 2 - Sustainable Walking Program The City will work in partnership with the school districts and parent support non-profit organizations and develop a sustainable walking program to include an Annual Walk to School Day, a Walking School Bus, and update the website with Safe Routes Maps to provide families a safe mode for walking / biking to school. Future Projects Submitted / Pending Approval by CA BTA Grant FY 2009-10 - Submitted to Caltrans December 1, 2008 Irvine Business Complex Off-Street Bikeway Planning Study - \$225,000 Irvine Spectrum Off-Street Bikeway Planning Study - \$175,000 Irvine Station Bicycle Lockers - \$30,000 Jeffrey Off-Street Bikeway Design ROW Acquisition - \$423,765 UCI Los Trancos Joint Use Trail - \$220,000

**List current community activities that encourage/promote bicycling.**

o BTP Outreach The City conducted a community outreach effort in the development of the Bicycle Plan, which included a workshop, a community open house event, workshop, and distribution of a community survey. The data gathered from the community outreach efforts guided the development and maintenance of the City's bicycle transportation system. o Bike to Work Week - May 12-16, 2008 The City participated in Orange County Transportation Authority's Bike to Work Week, wherein employees, employers, and residents may register on-line with a pledge to bike to work at least one day during the week of May 12-16. In turn, participants are eligible to win prizes ranging from a bicycle valued at \$500 to receiving free Metrolink passes. o Money Tree Rideshare Booth May 19, 2008 The City participated in Money Tree campaign sponsored by Spectrumotion. This program was aimed for City employees to try ridesharing opportunities during the month of May and June. Ridesharing may include using modes of public transportation such as, riding the bus, telecommuting, vanpooling, taking the train, carpooling, as well as walking and bicycling. Spectrumotion hosted a table in the lobby of City Hall and provided information, free assistance to commuters, a chance to win prizes, and receive a free personalized commute profile. o Boy Scout Eagle Project June 2008 - City coordinated and assisted Boy Scout Eagle Project to include planning, funding, and installation, and posting of City Bikeway Map at four strategic bikeway locations including Quail Hill Trailhead, Bill Barber Park, Harvard Park, and Hicks Canyon Park. o Bicycle Rodeos May 2007 / 2008 Over the past two years, the City's Irvine Public Safety

Department, school district, PTO/PTA organization, and community entities have coordinated four bicycle rodeos with local school districts and the surrounding community. The first two rodeos were held in May 2007, with one being located in the Woodbury Homeowners Association and one at Deerfield Elementary School. Each event drew an attendance of approximately 150 participants. Subsequently, two more rodeos were conducted in 2008, with one on April at Deerfield Elementary School and the most recent at Woodbury Elementary School in May. Both rodeos experienced increased participation from the previous year with 150 and 500 attendees respectively. Thus, the total number of attendees for both years combined was approximately 850 people. In addition to the safety education through interactive activities, the Irvine PD distributed reflector stickers for the kids to put on their helmets, dog tag style necklaces and shoe laces advertising against child obesity were provided by local homeowners associations, with raffles for bikes and helmets. Bicycle rodeos in Irvine have been well received with growing numbers in attendance and stimulated a great desire in expanding these efforts through this funding opportunity.

- o City Public Safety Department Bicycle Safety and DARE Program The City Public Safety Department supports and implements bicycle safety awareness at bicycle rodeos. Officers emphasizes ten smart routes to bicycle safety, the do's and don'ts, measures to protect against theft, teach children about bicycle safety, and participate in riding them to school acting as a chaperone. Further, the City coordinates the Drug Abuse Resistance Education (D.A.R.E.) through the Public Safety Department and police officers. D.A.R.E.'s primary mission is to provide children with the information and skills they need to live drug-and-violence-free lives. D.A.R.E. seeks to equip kids with the tools that will enable them to avoid negative influences and instead, allow them to focus on their strengths and potential. Additionally, it establishes positive relationships between students and law enforcement, teachers, parents, and other community leaders. A goal is for every youngster to have the opportunity to grow-up healthy, safe, secure, and equipped with the skills needed to succeed in life. The Public Safety Department D.A.R.E. program currently serves 26 schools within the City. Finally, the City Public Safety Department hosts an annual Irvine Family Fun Fair. This event provides a unique opportunity for citizens to learn more about the services provided by City departments. Attendees enjoyed games and activities, as well as on-site tours of the Public Safety Department.
- o City / School District Safe Route to School Maps □ The City and School District has developed maps for safe walking and bicycling routes for each school. This information is located for each school website at <http://www.iusd.org/schools/>.
- o City Public Works Department Support □ The City supports safe routes to school through the roles of various divisions:
  - 1) the Traffic Engineering and Circulation Division monitors crosswalks, live traffic feeds, pedestrian walking signals, signal timing, stop signs, and traffic signals;
  - 2) the Transportation Planning and Project Development Division identifies the transportation needs, planning, preliminary design, and funding in accordance with the General Plan and regulatory requirements;
  - 3) the Development Engineering and Review Divisions ensure that streets and sidewalks are designed and constructed properly;
  - 4) the Street Maintenance Division oversees continual maintenance and management of streets.
 Information is available on the City website at <http://www.ci.irvine.ca.us/depts/pw/projmanage/default.asp> informing the public of streets that are currently under construction and other projects which may affect pedestrian and vehicular traffic.

**List your official bicycle/pedestrian coordinator or bicycle issues contact person on government staff.**

Katie Berg-Curtis, Administrator, Transportation Planning & Project Development

**What department is the bicycle coordinator located in?**

Department of Public Works

**How many hours are spent per year in this capacity?**

1000

**List all other government staff or contractors whose primary duties are devoted to bicycling issues.**

Several staff share responsibility for various bicycle issues, including: Katie Berg-Curtis, Lisa Thai, Alfonso Gomez, Darrell Cheam, Cheryl Martinez The following departments within the City oversee the following tasks:

- o Department of Public Works Planning, funding, permitting, preliminary design, maintenance, traffic.
- o Department of Public Safety safety and education.
- o Department of Community Services education, health advocacy, and community outreach program development.

**Do you have a Bicycle Advisory Committee, Ped/Bike Council or other venue for citizen input?**

No

**List the name of the Chair and their contact information.**

The City does not have an official organization established; however the City strongly supports and collaborates with the following organizations and community groups: Irvine /Tustin School District, Spectrumotion, HOA's, Spectrumotion, Bicycle Clubs

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Engineering Section

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**Do you have a policy that requires the accommodation of cyclists in all new road construction and reconstruction and resurfacing?**

Yes

**Provided policy**

Your accomodation policy is on file, [click here](#) to view it.

**Have you provided training for your engineers and planners on how to accommodate cyclists?**

Yes

**Description**

The City has a division specialized in transportation planning and project development whom work to accommodate cyclists. Members of this division often meet with engineers, planners, and other City staff on bicycle related discussions and advancement of bicycle related projects. Although there is no established mechanism to provide training on an on-going basis; such training has not yet been identified as a need. Division members frequently meet with various City staff during call for projects, which at that time, bicycle related updates are disseminated.

**Is there a mechanism to provide training on an on-going basis?**

No

**How many bridges are in your community?**

168

**How many are closed or inaccessible to cyclists?**

0

**Of those accessible by bike, how many have shoulders, bike lanes, wide curb lanes, or multi-use paths?**

Varies

**Do you have a bike parking ordinance?**

Yes

**Provided policy**

Your ordinance is on file, [click here](#) to view it.

**Are there bike racks or storage units at Schools?**

All

**Are there bike racks or storage units at Libraries?**

All

**Are there bike racks or storage units at Transit Stations?**

All

**Are there bike racks or storage units at Recreation Centers?**

All

**Are there bike racks or storage units at Government Buildings?**

All

**Are there bike racks or storage units at Office Buildings?**

Most

**Are there bike racks or storage units at Retail Centers?**

Most

**Are there bike racks or storage units at Public Spaces and Parks?**

All

**Are buses equipped with bike racks?**

All

**Can bikes be brought inside transit vehicles?**

Yes

**Please describe any restrictions**

None

**How many miles of bike lanes do you have?**

326

**How many miles of bike lanes are in your bicycle master plan?**

326

**What is the mileage of your total road network?**

1742

**What percent of arterial streets have bike lanes or paved shoulders?**

100

**How many miles of designated bike routes do you have?**

326

**How many miles of signed bike routes are in your bicycle master plan?**

326

**Please describe any maintenance programs or policies that ensure bike lanes and shoulders remain usable.**

**Routine maintainance:**

Routine maintenance for all on-street bikeways are conducted in concurrence with the City's street maintenance schedule. Therefore, arterial streets and their corresponding on-street bikeways are slurry sealed every 7 years to uphold the City's standard of a Pavement Condition Index (PCI) of 65. Other maintenance activities entail bi-weekly street-sweeping of shared bikeways with roadways, monthly off-street bikeway street sweeping, inspections, pot-holing, patching and repair of pavement, slurry seal, trash removal, landscape maintenance adjacent to roadways and bikeways, and lighting maintenance.

**Capital Improvements:**

Funding for on-street bikeway maintenance is included in the City's street maintenance capital improvement program. Funding for off-street bikeway maintenance is included in the City's off-street bike trail rehabilitation capital improvement program. Any additional maintenance for all bikeways is conducted throughout the year on an as needed basis.

**Please describe initiatives your community has taken to ensure or improve bicycle access, safety and convenience at intersections, including bicycle detection, signing and marking.**

Through the development process of the City of Irvine Bicycle Transportation Plan (BTP), the City assessed the existing bicycle network, evaluated the connectivity of the current system, and identified improvements to the system. With public input from residents and bikeway users, recommendations for improved bicycle access, safety, and convenience at intersections were developed. The most current concern the City is focused on is bike trail lighting. The installation of lighting along bikeways not only increases rider visibility, but also encourages commuters to ride in the dark early morning or evening hours. Prominent bike trail locations which lighting has been installed include portions of the Bonita Canyon Trail, Jeffrey Open Space Trail, Jeffrey Trail, Walnut Trail, and Venta Spur Trail. Currently, the City is seeking opportunities to incorporate bikeway signage and bicycle push-buttons at key intersections that are frequently traveled by bicyclists. In addition, the installation of bicycle detection loops is under review to improve bikeway system efficiency.

**How many miles of paved or hard surface trails do you have?**

326

**How many miles of paved or hard surface trails are in your bicycle master plan?**

326

**How many miles of natural surface trails do you have?**

10

**How many miles of natural surface trails are open to mountain bikes?**

10

**What is the estimated acreage of open space and public lands within the community (city, county, state, and federal public lands)?**

7881

**Are these area open to cyclists?**

Some

**Please describe any maintenance programs or policies for multi-use paths.**

**Routine maintainance:**

Maintenance of all streets, roadways, trails, and bikeways is managed through the Department of Public Works Street Maintenance Division. Accordingly, the mission of the Department's Operations Manual is to develop, build, and maintain the public infrastructure, including multi-use paths, throughout the City. In addition, the Department's Work Plan for Street and Right-of-Way Maintenance including asphalt bikeways as part of the pavement maintenance, cleaning, concrete maintenance. Ongoing activities includes repair and maintain all asphalt, roadways and trails; ongoing inspections; implement the City's Pavement Management Program (PMP) and report condition to determine maintenance and rehabilitation strategies; street sweeping, litter removal, and related tasks. Funding for off-street bikeway routine maintenance is set aside in the City's off-street bike trail rehabilitation account. Where the City's Director of Public Works determines that it would be appropriate, homeowners associations shall be responsible for maintenance of bicycle paths. This would typically be required where paths pass through, or are immediately adjacent to, common areas maintained by a homeowners association. All multi-use paths bikeways located within City right-of-way are maintained by the City throughout the year on an as needed basis.

**Capital Improvements:**

In regards to capital improvements, the City's BTP has a full section (Chapter 5 , Proposed Bikeways) dedicated to discussing the City's proposed future land uses, proposed bikeways and bicycle amenities as identified in the City General Plan, as well as recommendations for additional bicycle facilities. See Appendix C of this application for the City's BTP, also submitted as hard copy. Furthermore, developers will be responsible for the design and construction of off-street bicycle facilities located within and adjacent to a given proposed development, including the pathways, landscaping, lighting, etc.

**Does your community have an ordinance or local code requirement for employers to provide bicycle parking, shower facilities, etc.?**

No

**Provided ordinance**

You have not provided a copy of this legislation

**Describe recreational facilities for cyclists such as a low traffic rural roads and signed routes.**

The City is one of the nation's largest urban planned communities; therefore, low traffic rural roads do not exist. However, the City is home to a portion of the Mountains to Sea Trail located in the northern limits of the City. This is 22-mile urban nature reserve and bikeway which travels through six jurisdictions, enabling trail users to experience the diversity of the 50,000-acre Irvine Ranch Land Reserve. The trail was the only trail in California to be designated a National Recreation Trail in 2006 and the first Orange County trail to receive this prestigious honor in three decades from the National Park Service.

**Are there other facilities that have been created to promote bicycling in your community?**

Yes

**If yes, please describe:**

The most notable facility to promote bicycling in the community is the Zot Wheels bike share program implemented at the University of California, Irvine. Scheduled to commence in the summer of 2009, UCI will introduce the first automated self-service bike share program in California, to the UC system. This location is ideal for such a program due to the density and existing bike trail network within, and surrounding, the campus. The program will allow faculty, students, and staff an alternative to driving when making short-distance trips during the work and school day, as well as addressing important issues such as health and environmental sustainability, the future of transportation, and promoting community building. It is estimated that almost a pound of tailpipe emissions will be saved for every mile a bike is ridden in place of a car being driven. The program offers four key bike stations across the UCI campus, consisting of solar powered rental kiosks, docking stalls, and cruiser-style bicycles. Further supporting the bicycling community is the local bicycle retail on campus, the Bike Shop, providing air to inflate tires, offering bicycles and accessories for purchase, and mechanic services available for those needing repairs.

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Education Section

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**How do you educate motorists to share the road with cyclists? Please describe:**

1. City Public Safety Traffic Officers - The City's Public Safety (PS) Department has established three geographic areas where all traffic officers educate, patrol, and enforce motorists on sharing the road with bicyclists. Supervising officers are designated to oversee each geographic area and work with the community based on their strong community relations and problem solving skills. In turn, PS works with other City departments and community organizations to educate and implement long-term strategies that aim to permanently address a wide-range of traffic related issues which increase the bicycle safety of all residents, employers, employees, and surrounding community. 2. City Public Works Department Support - The City's Public Works (PW) Department supports educational efforts for motorists to share the road with cyclists through the roles of various divisions: a) the Traffic Engineering and Circulation Division monitors crosswalks, live traffic feeds, pedestrian walking signals, signal timing, stop signs, and traffic signals; b) the Transportation Planning and Project Development Division identifies the transportation needs, planning, preliminary design, and funding in accordance with the General Plan and regulatory requirements; c) the Development Engineering and Review Divisions ensure that streets and sidewalks are designed and constructed properly; d) the Street Maintenance Division oversees continual maintenance and management of streets. Information is available on the City website at <http://www.ci.irvine.ca.us/depts/pw/projmanage/default.asp> informing the public of streets that are currently under construction and other projects which may affect pedestrian and vehicular traffic. 3. City Crossing Guards - The City's PS employs 32 regular crossing guards and one (1) substitute to educate and ensure safety, support traffic management, and assist pedestrians / bicyclists to safely cross busy roadways. Crossing guards are an important component to the safety and well-being of motorists, bicyclists, and community.

**How many community motorists do you reach with these efforts?**

Most

**Are there other bicycle education opportunities for adults?**

Yes

**Please describe**

1. City Community Services Department Support - The City's Community Services (CS) Department is responsible for the maintenance, rehabilitation, operation and programming of a variety of public facilities, including: thirteen major community parks, thirty smaller neighborhood parks, 2,100 acres of open space area, two full-service senior citizen's centers, an aquatics complex, fine arts and animal shelter facilities, four athletic parks, campground area, nature center, and an adventure play site. Services for persons with disabilities, after school child care / summer camps, adult sports leagues, and social service information and referrals among special-interest programs. The CS Department offers excursions, and special events in which thousands of community members participate. These activities are designed for all ages, interests, and levels of ability, at convenient locations and times. In particular, the City offers an AARP Drive Safety Program where drivers learn preventative measures to reduce the potential for accidents. 2. Parent Workshops - As part of a City-wide / school district wide educational program planned for the fall of 2009, parent workshops will be conducted to fully engage parents in the importance and the benefits of the program. Workshops will be a part of existing school meetings so as to ensure the maximum number of parent participation. These workshops will address parental concerns of traffic speed and traffic volume around schools as well as the social environment around school including the concerns about crime. The workshop will also address the benefits of walking and bicycling to their child's health. The workshops are structured to encourage the parent to buy into the program and to allow their children to walk and/or bike to school as well as support their children's effort to do so. A secondary issue to be communicated to parents is the need for their children's activity level to increase. According to the Center for Disease Control, rates of overweight and obesity among youngsters have tripled since the late 1970s and now run as high as 14% among US children. Biking and walking to school is one way children can increase their activity levels, but just one in seven trips to school are made under a child's own power.

**Do you have a bicycle safety program for children in schools?**

Yes

**Please describe**

See hard copy and pdf for further information. 1. Bicycle Rodeos - Over the past two years, the City PS Department, school districts, local parent / teacher organizations, and community entities have coordinated four bicycle rodeos with local school districts and the surrounding community. The first two rodeos were held in May 2007, with one being located in the Woodbury Homeowners Association and one at Deerfield Elementary School. Each event drew an attendance of approximately 150 participants. Subsequently, two more rodeos were conducted in 2008, with one on April at Deerfield Elementary School and the most recent at Woodbury Elementary School in May. Both rodeos experienced increased participation from the previous year with 150 and 500 attendees respectively. Thus, the total number of attendees for both years combined was approximately 850 people. In addition to the safety education through interactive activities, the Irvine PS Department distributed reflector stickers for the kids to put on their helmets, and dog tag style necklaces. Shoe laces advertising against child obesity were provided by local homeowners associations, with raffles for bikes and helmets. Bicycle rodeos in Irvine have been well received with growing numbers in attendance and stimulated a great desire in expanding these efforts through this funding opportunity. 2. Safe Route Map / Website - The City, in conjunction



with the school district, will coordinate posting, maintaining, developing, and updating a Safe Route Map for all City-wide school and post on the City / school district website. The Safe Route Maps will be utilized to assist with determining optimum routes for walking and bicycling to each school. 3. City-Wide Safe Routes to School Comprehensive Bicycle/Walking Safety Educational Program - In fall of 2009, the City will launch a two-year a Comprehensive Bicycle/Walking Safety Educational Program in partnership with the school district to all school age youth at 29 schools and approximately 19,500 students within the City of Irvine. The educational program will include the following components with over 650 individual events (see table in hard copy pdf file submitted) The City and school district(s) will target 24 elementary / K-8 schools, and five (5) middle school students enrolled within the Irvine Unified School District (IUSD) and Tustin Unified School District (TUSD). It is anticipated that enrollment between 2007-08 and 2008-09 will increase approximately 2.8 percent. For 2007-08, the percentage of students that walk or bike to school to ranges from 1 to 45 percent for elementary school students, and increases with more biking for middle school students. It is the goal of the Project to change behavior through the education and awareness of a sustainable program that will increase the percentage of students walking and biking to school. Thus, it is the desire that the Project will result in tremendous benefit to school children, families, and further expand to the surrounding community.

**How many schools participate?**

29 out of 29

**What other types of bicycle safety and education opportunities are available for children?**

1. City Public Safety Department Promoting Start Smart Teen Driving Course - National statistics indicate that California has the second highest fatality rate involving teenage drivers. In an effort to combat this statistic, the California Highway Patrol provides a free "Start Smart" class for parents and teenagers at the Orange County Traffic Management Center located in Irvine. Designed as an educational tool for parents and teenagers, the Start Smart programs primary objective is to reduce the number of teenage injuries and deaths. The program is taught by CHP officers who discuss traffic collision avoidance techniques, collision causing factors, driver/parent responsibilities, and seatbelt usage. Additionally, testimonies will be provided by officers who have investigated fatal collisions involving teens, and by family members who have lost love ones in traffic collisions. The CHP provides a Start Smart class for parents and teens in Irvine to become more aware of their surroundings and thus reduce the number of injuries to pedestrians and bicyclist. 2. City Public Safety Department Bicycle Safety and DARE Program - The City PS Department supports and implements bicycle safety awareness at bicycle rodeos. Officers emphasizes ten smart routes to bicycle safety, the dos and donts, measures to protect against theft, teach children about bicycle safety, and participate in riding them to school acting as a chaperone. Further, the City coordinates the Drug Abuse Resistance Education (D.A.R.E.) through the PS and police officers. D.A.R.E.'s primary mission is to provide children with the information and skills they need to live drug-and-violence-free lives. D.A.R.E. seeks to equip kids with the tools that will enable them to avoid negative influences and instead, allow them to focus on their strengths and potential. Additionally, it establishes positive relationships between students and law enforcement, teachers, parents, and other community leaders. A goal is for every youngster to have the opportunity to grow-up healthy, safe, secure, and equipped with the skills needed to succeed in life. The PS Department D.A.R.E. program currently serves 26 schools within the City. Finally, the City PS Department hosts an annual Irvine Family Fun Fair. This event provides a unique opportunity for citizens to learn more about the services provided by City departments. Attendees enjoyed games and activities, as well as on-site tours of the PS Department.

**How many children participate?**

19,515

**Do you make bicycle safety materials available to the public?**

Yes

**Please describe**

Yes, the City provides Bikeway Map on the website at [http://www.ci.irvine.ca.us/depts/pw/projdev/city\\_of\\_irvine\\_bikeways.asp](http://www.ci.irvine.ca.us/depts/pw/projdev/city_of_irvine_bikeways.asp). Hard copy brochures of the Bikeway Map are available at City Hall, community centers, parks, and local bicycle shops. PS also provides bicycle safety materials, and reflector stickers for children to place on their helmets. As part of the City-wide / school district wide program planned for the fall 2009, students will receive a Safe Routes to School Passport Walk, Ride and Roll Travel Diary. Students will keep track of the days they walk or ride bike to school in their passport which serves as a travel diary. At the end of each month the passports are collected. All students receive a Certificate of Commendation for the commitment to the program, discount passes to local theme parks, free yogurt coupons and are eligible to enter a contest drawing for bikes and helmets to be given away. This incentive program will be promoted to parents so they can be motivated to support their child's choice to walk, ride and roll to school.

**Do you have a bicycle ambassador program that educates community members on local opportunities for bicycling and answers their questions?**

No

**Do you have League Cycling Instructors in your area?**

No

**Please list their names:**

There is no bicycle ambassador program instituted by the City; however, staff from the Transportation Planning & Project Development division is available to answer and assist with any questions on local opportunities for bicycling.

**Is bicycle safety education included in routine local activities (e.g. tax renewal, drivers licensing and testing, or inserts with utility bills each month)?**

No

**Please describe**

Not at this time.

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**Encouragement Section**

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**How do you promote National Bike Month in May (or another month)?**

The City participates in the Orange County Transportation Authority's (OCTA) promotion of Bike-to-Work-Week held during the month of May each year for National Bike Month. OCTA is a multi-modal transportation agency serving Orange County with oversight of the countywide bus and paratransit service, Metrolink commuter-rail service, the 91 Express Lanes toll facility, freeway, street and road improvement projects, motorist aid services and taxi operations regulation. The community is encouraged to pledge to ride their bike to work at least once during a designated week in May, with participants being entered to win one of many great prizes. Prizes and sponsorship of the event come from local business within the County. In addition to OCTA's Bike-to-Work-Week, Spectrumotion also holds promotional events that encourage bicycling to work. Spectrumotion is a nationally recognized nonprofit Transportation Management Association (TMA), that the City is a member of and formed to reduce traffic congestion in the Irvine Spectrum area, a regional employment area. Events have included spin-offs of reality TV shows such as Survivor, in which teams are organized and challenged with finding alternative commute methods, including bicycling to work, with prizes up to \$2,500 in value being awarded to participants.

**How many people do you reach with events and activities during this celebration?**

2300

**Do you actively promote Bike to Work Day or other bicycle commuting incentive programs?**

Yes

**Please describe**

Bike to Work Day is typically integrated within the Bike-to-Work-Week event led by OCTA, as are the Spectrumotion events. Events and programs held by Spectrumotion often target the community workforce concentrated in the Irvine Spectrum area (southeastern portion of the City), though Spectrumotion conducts on-site promotions in other locations in the City as well. The association frequently visits employers and multi-tenant developments to provide commuters information on carpools, vanpools, Metrolink commuter rail service, OCTA bus service, bicycling, telecommuting and walking. Spectrumotion also participates in local transportation fairs, wellness/benefits events, and safety fairs all these services and events are provided free of charge.

**What portion of the community workforce do you reach?**

Some

**Is there an annual bike tour or ride promoted to the general public in your community?**

Yes

**Please describe**

The Bike MS Bay-to-Bay Tour (formerly called the MS 150 Bike Tour) is the largest and most well-known annual bike tour that traverses through the City. Voted Best Cycling Event of 2006, 2007, and 2008 by readers of Competitor magazine, this annual tour is a memorable, fun-filled cycling adventure featuring fully-supported routes along beautiful Orange and San Diego County coastline, with the tours start line located in Irvine. Avid cyclists and novices alike ride 30, 100 or 150 miles over one or two days, and enjoy delicious food and refreshments, shuttle transportation, live entertainment, prizes, lifestyle expos, and an overnight festival all the while raising money to fight multiple sclerosis. In its 27th year, and recognized as truly Southern California's Premier Cycling Event, promotion of the tour is led by the National Multiple Sclerosis Society. The money raised in 2008 topped \$2.3 million.

**Are there community road and mountain bike clubs, bicycle advocacy organizations or racing clubs?**

Yes

**Please describe**

1. Bicycle Club of Irvine (BCI) The BCI is a recreational and social cycling club for men and women of all ages and skill levels. With members from all over Southern California, BCI is not a racing club and includes riders of all sorts of bicycles from road bikes, tandems, mountain bikes and hybrids. Scheduled rides include ride levels to accommodate riders of all skill levels, climbing abilities and pace. All ages and abilities are welcome; however, minors are requested to be accompanied by an adult. 2. 3F Bike Club Based in Irvine, the 3F Bike Club seeks to unite riders in a non-competitive and primarily social environment. The name of the club originates from the belief in three basic philosophies: Fitness, Fun and most importantly, Friendship. 3. UC Irvine Cycling Club Established in 1976 at the University of California, Irvine, the UCI Cycling Club is composed of undergraduate students, graduate students, faculty, staff, alumni, and family affiliates. The club's purpose is to support recreational and competitive cycling in the UCI campus community. The club participates in road and mountain bike rides and races, but also supports disciplines such as track and cyclo-cross. 4. Orange County Wheelmen  Founded in 1970, the Orange County Wheelmen is the most diverse and oldest bicycle club in Orange County with over 400 members. Beginning as a recreational cycling club, its focus has expanded to staging cycling events that attract hundreds of riders, to maintaining an active presence in the community. The club hosts several annual events, many special activities, and numerous weekly rides. In addition, the club actively promotes safety and political advocacy through the club's training rides and support of the Orange County Bicycle Coalition (OCBC) and the California Association of Bicycling Organizations (CABO). Website is available at [www.ocw.org](http://www.ocw.org) 5. UC Irvine Cycling Club  Established in 1976 at the University of California, Irvine, the UCI Cycling Club is composed of undergraduate students, graduate students, faculty, staff, alumni, and family affiliates. The club's purpose is to support recreational and competitive cycling in the UCI campus community. The club participates in road and mountain bike rides and races, but also supports disciplines such as track and cyclo-cross. 6. Orange County Tri-Club Founded in 1998, the Orange County Triathlon Club regularly meets at the Duck Club within the City of Irvine, and is comprised of over 300 Triathletes from all over Orange County and surrounding areas. Athletes range from beginners to veteran Ironman finishers. This club is a member-driven organization providing a network of information, training and racing activities, friendship and fun to men and women of all ages and athletic abilities. Website is available at [www.octriclub.com](http://www.octriclub.com)

**How many specialty bicycle retailers (i.e., bike shops, not big box retailers like K-Mart or Wal-Mart) are there in your community?**

6

**Are there other bicycling areas or facilities such as BMX tracks, velodromes or mountain bike centers in your community? Please describe.**

There are no facilities such as BMX tracks or velodromes located in the City at this time. As the Orange County Great Park develops, there is a possibility for these types of uses to be incorporated into the park design in the future.

**Does your trail system have a unit of the National Mountain Bike Patrol?**

No

**Are there opportunities to rent bicycles in your community or other recreational opportunities involving bicycling?**

No

**Please describe**

Opportunities to rent bicycles are not currently available; however, the first automated self-service bike share program in California is at UCI and scheduled to come online summer of 2009. Recreational opportunities involving bicycling include numerous classes offered through the City's Community Services department, as well as recreational and social cycling opportunities with various bicycle clubs found in the City (e.g. Bicycle Club of Irvine, 3F Bike Club, etc.).

**Do you have Safe Routes to School program that includes bicycling?**

Yes

**How many schools are involved?**

All

**Please describe**

Yes, the City plans to employ a City-wide, school district-wide Safe Routes to School program in the fall 2009, as described in the education section of this application. All 29 schools and approximately 19,500 children in grades K-8 reaching students within the City will participate in this comprehensive bicycle safety program.

**Does your community have youth recreation and intervention programs that are centered around bicycling?**

Yes

**Please describe**

Several classes offered through the City's Community Services Department emphasize youth bicycling recreation. Classes such as Mountain Bike Ride provide docent led, light interpretation bike rides through Quail Hill. In addition, the City's Safe Routes to School (SRTS) program provides intervention educational programs on safe bicycling. See Education Section of this application for further details.

**Do you publish a bike map and keep it up to date?**

Yes

**Please describe**

The City's Bikeways Map shows comprehensive network depicting all Class I bikeways, Class II bikelanes, and Class III bike routes. A hard copy and pdf file is provided as a separate attachment for reference.

**Do you publish a map of mountain bike trails?**

No

**Please describe**

Not at this time; however, a publication called Mountain Bike! Orange County identifies areas for mountain biking within the City's Open Spaces. City's General Plan Figure L-2 identifies areas for Conservation and Open Space. In addition, last fall the City conducted a docent led mountain ride and hike in Bommer Canyon at the following website <http://www.ci.irvine.ca.us/news/displaynews.asp?NewsID=507&targetid=1>

**Please describe any other efforts in your community to encourage cycling**

1. As part of the City-wide Safe Routes to School Comprehensive Bicycle/Walking Safety Educational Program schedule in the fall of 2009, bicycling will be encouraged through incentives and media outreach campaign. a.) Information / Resources - As part of this campaign, each school and district website will show a suggested route for parents and children to take to school. Materials will be provided to each student through events planned, including safe practices for bicycling. b.) Incentives - To encourage students to walk and/or bike to school, students will receive a Safe Routes to School Passport; Walk, Ride and Roll Travel Diary; where in turn, students will receive a Certification of Commendation for their commitment to the program, discount passes to a local theme park, and are eligible for a contest drawing in which bikes and helmets will be given away. This effort along with the Annual Walk to School Day, and voluntary Walking School Bus, will provide a safe, organized, and fun means for parents and students to actively participate in bicycling / walking to school, reduce traffic congestion, increase health benefits, and persuade behavior changes. These incentives will be promoted by principals, teachers and parents, so they can be motivated to support their children / teens to bicycle and walk to school. c.) Media Outreach - The City along with the school districts will promote the campaign through pre-planning meetings, distribution of information at each school via fliers / announcements / websites, the local newspapers including, Irvine World News, the school district websites, and City Community Services Department website. To date, the two annual Walk to School Day, held in October, were well publicized through the local newspaper, individual schools, PTA/PTO communication forums. Saturday Family Rodeos are also publicized through similar means of communication. Overall, the goal is generate awareness of the issues to parents, children, and extend to the community.

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**Enforcement Section**

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**Is your local police department aware of the concerns of cyclists in your community?**

Yes

**Is there a liaison that communicates with the bicycling community?**

Yes

**If yes, please describe**

Yes, the City Public Safety (PS) Department addresses concerns on a daily basis, as part of their regular duties including concerns of bicyclists in the community. PS has assigned two (2) full-time traffic officers to lead the effort with bicycle organizations within the City, including but not limited to: 1. Bicycle Club of Irvine 2. Orange County Wheelmen 3. Orange County Tri-Club The City of Irvine is centrally located within the County of Orange and serves as a cross-road connecting Northern and Southern County destinations, as well as provides access to the beach communities via the San Diego Creek Bikeway to Upper Newport Bay. Bicyclists have been drawn to utilize the City's bike trails with relatively flat gradient levels and regional / local connectivity. Since August 2008, traffic officers have attended meetings to inform members of safe bicycle practices through a 30-minute presentation, as well as availed organizations with City support. Topics of concern included the following: a.) Bicycle packs utilizing the designated bike lane / path as opposed to right-of-way designated for automobiles. b.) Bicycle packs running red lights and stop signs. c.) Bicyclists riding within the

bicycle lane and exceeding the maximum width of two riders. These presentations provide opportunities for bicyclists to exchange safety concerns and ideas to officers; identify safe / alternative routes using the City's off-street bikeway systems, and introduce organizations with a PS point contact. Further, these presentations provide an opportunity to inform bicyclists that enforcement practices and citations will be issued to violators after October 2008. In addition, PS works closely with Irvine Unified School District (IUSD) and designates eleven (11) motor officers to patrol and ensure safety practices to-and-from schools within the City. Concerns with students include enforcing the helmet law and applying traffic safety practices with automobiles along busy streets. Overall, the City is comprised of 24 elementary / K-8 schools, five (5) middle schools, and six (6) high schools. In the past, PS has been successful with providing bicycle safety rodeos with further expands safety education to families within the community.

**Do you offer specific training to police officers regarding traffic law as it applies to bicyclists?**

Yes

**If yes, please describe**

Yes, PS has two (2) full-time officers designated to support bicycle safety objectives. In addition, twelve (12) officers are trained to enforce day shifts to patrol recreational bicycling activities. All officers receive specific training regarding traffic law as it applies to bicyclists. Training is provided annually with a curriculum entailing the following topics: a.) Legal definition for bicycles and bicyclists b.) California Vehicle Code / Local Ordinances c.) Legal Bicycles d.) Legal Bikeways e.) Bicycle/ Traffic Safety Practices f.) Signaling g.) Safety Equipment / Night Riding Equipment h.) Helmets i.) Licensing and Registration

**Do you use targeted enforcement to encourage cyclists and motorists to share the road safely?**

Yes

**If yes, please describe**

Yes, PS uses targeted enforcement to encourage cyclists and motorists to share the road safely through presentations at local bicycle organizations, support and presentations to local schools, conducting school rodeos, and issuance of citations. In addition, officers patrol and target right-of-way and bikeway segments where automobile and bicycle traffic interface and could potentially create safety concerns.

**Do you have public safety employees on bikes?**

Yes

**If yes, please describe**

Yes, PS designates one (1) sergeant and three (3) full-time officers to utilize bicycles for patrolling the Irvine Spectrum Entertainment Center. The Irvine Spectrum Entertainment Center was developed in September 2002, and is recognized as a major entertainment center serving the surrounding community encompassing 87 acres, 21 cinemas, approximately 128 specialty stores, restaurants, other entertainment venues, and approximately 8,600 parking spaces. PS bicycle use has been an effective way to patrol areas that are denser; allow flexibility to patrol and integrate within patio areas, sidewalks, and parking areas; create a quick mode to travel to an emergency; and promote a friendly and approachable means for officers to relate with the public. In addition, PS has 40 officers trained to employ bicycle patrol measures at major public events throughout the City, as needed. Events may include, but are not limited to, City Annual Global Village Event, Great Park Events, support for Verizon Amphitheater Events. Lastly, PS implements a youth safety program called Juvenileforce, wherein school-aged resource officers interested in public safety are trained support City PS with patrolling City bikeway systems and shopping centers. This effort deters unnecessary loitering, tagging, and ensures bikeway safety.

**Indicate the number of employees on bike as well as the size of the entire staff.**

3 Full-time officers at Irvine Spectrum Entertainment Center; 40 additional officers trained for bike use; and 168 total officers.

**Do you have a mandatory helmet law?**

Yes

**To what ages does it apply?**

Minors, or persons under 18.

**Do you have mandatory sidepath laws?**

No

**If so, what is the status of these laws?**

no answer provided

**Are they enforced**

no answer provided

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Evaluation & Planning Section

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**Do you have any information on the number of trips by bike in your community including census data?**

No

**Please describe**

Not at this time. The City's Neighborhood Traffic Engineering Division coordinates efforts to obtain bike trip data on an as needed basis that is site specific, or associated with a particular project.

**How many cyclist/motor vehicle fatalities have occurred in your community in the past five years?**

4

**How many cyclist/motor vehicle crashes have occurred in your community in the past five years?**

244

**Do you have any specific plan or program to reduce these numbers?**

No

**Do you have a system in place that allows bicyclists to submit ideas and concerns to public officials?**

Yes

**Please describe**

The City has a website and email link available at the following link:

[http://www.ci.irvine.ca.us/depts/pw/projdev/city\\_of\\_irvine\\_bikeways.asp](http://www.ci.irvine.ca.us/depts/pw/projdev/city_of_irvine_bikeways.asp) and email Bicyclists may call, email, or personally visit the City to submit ideas, feedback, and concerns to public officials and staff within the Transportation Planning and Project Development Division. In addition, through the development process of the Bicycle Transportation Plan every five years, the City solicits community involvement to allow the public to participate in the planning process. Tasks for the effort included a community-wide bicycle survey, conducting a community workshop, distribute notices for participation at local bike shops, local parks, advertisements on City's cable access channel, post notice on Bicycle Club of Irvine website, local newspapers, sent announcements to homeowners associations. Community input identified reasons for bicycling; destinations and connections; education and awareness; as well as safety and intersection improvements.

**Do you have a comprehensive bicycle plan?**

Yes

**When was it passed or updated?**

06/27/2006

**Is it funded?**

Partially

**What percentage has been implemented?**

Some

**Do you have a trails master plan that addresses mountain bike access?**

Yes

**And are there ongoing relations between the mountain biking community and the community recreation and planning staff?**

Yes

**Is your bicycle network part of the broader development plans, land use plans, and ongoing development projects?**

Yes

**How many trails, bike lanes, paved shoulders, bike routes connect with each other to provide a seamless transportation options?**

Most

**Have you evaluated your transportation network and prioritized bicycle improvements based on hazards and needs?**

Yes

**What specific improvements do you have planned for bicycling for the following year?**

1, Approved Project for FY 2009-10 - Federal Safe Routes to School (Cycle 2) with total award of \$500,000. City of Irvine Comprehensive Bicycle / Walking Safety Education and Sustainable Walking Program. a.) Part 1 - Comprehensive Bicycle / Walking Safety Education Program - The City will contract with Safe Moves, a non-profit organization, to provide a comprehensive bicycle / walking safety educational program to school age youth at all 29 schools and approximately 19,500 students within the cities of Irvine and Tustin. The educational program will include over 650 individual events entailing student workshops, school pedestrian and bicycle safety rodeos, parent workshops, Saturday family rodeos, and distribution of educational materials. b.) Part 2 - Sustainable Walking Program - The City will work in partnership with the school districts and parent support non-profit organizations and develop a sustainable walking program to include an Annual Walk to School Day, a Walking School Bus, and update the website with Safe Routes Maps to provide families a safe mode for walking / biking to school. 2. Future Projects Submitted / Pending Approval: a.) FY 2009-10 - Submitted to Caltrans - December 1, 2008 b.) Irvine Business Complex Off-Street Bikeway Planning Study - \$225,000 c.) Irvine Spectrum Off-Street Bikeway Planning Study - \$175,000 d.) Irvine Station Bicycle Lockers - \$30,000 e.) Jeffrey Off-Street Bikeway Design ROW Acquisition - \$423,765 f.) UCI Los Trancos Joint Use Trail - \$220,000

**What are the three primary reasons your city deserves to be designated as a Bicycle Friendly Community?**

**Reason One:**

Comprehensive Infrastructure: The City has an extensive network of bikeway infrastructure and supporting facilities connecting bicyclists to regional and local destinations throughout the City and expands with connections to neighboring cities. Notably, the 44.5 miles for off-street bikeways, and 282 miles of on-street bikeways within the City exceeds some agencies within the State of California.

**What are the three primary reasons your city deserves to be designated as a Bicycle Friendly Community?**

**Reason Two:**

Ongoing Programs and Community Outreach: As described in this application, the City has supported bicyclists with provision of engineering, education, encouragement, enforcement, as well as evaluation and planning. The City is excited to launch the Safe Routes to School program this fall, as a city-wide / school-district-wide endeavor. This effort will augment the existing programs implemented by Public Works, Public Safety and Community Services Departments.

**What are the three primary reasons your city deserves to be designated as a Bicycle Friendly Community?**

**Reason Three:**

City Leader Supporting Bicycling within the County and Region: The City takes pride as one of the leading agencies within the County and region known for bicycling. In addition to mild climate, relatively flat terrain, expansive infrastructure, programs, and strong bicycling community with clubs and organizations.

**What are the three aspects of your community most in need of improvement in order to accommodate bicyclists? Number One Aspect:**

Funding / Infrastructure: As funding sources are available, the City aims to continue planning studies to determine future trail system connections; design and construction of bikeway segments, sustainable/ solar lighting on existing bikeways; installation of wayfinding signage along all bikeways and intersections; and development of staging areas with parking, bench, drinking fountain amenities.

**What are the three aspects of your community most in need of improvement in order to accommodate bicyclists? Number Two Aspect:**

Expanded Infrastructure and Amenities: As listed within the BTP, the City aims to continue improving the bikeways with additional bike trails, and enhancements such as lighting, benches, staging areas, signage, and programs.

**What are the three aspects of your community most in need of improvement in order to accommodate bicyclists? Number Three Aspect:**

GIS / Inventory: Through the process of developing this application, a consideration for the City is to develop a comprehensive GIS database identifying all bikeway systems and amenities in one centralized location. Currently, the City lists bikeways through their GIS department; however, it is varied with tracking amenities and maintenance activities. Also, there is consideration for enhancing the City's website that provides more detailed features of the bikeway systems.