

Healthy Placemaking



ktua

Planning and
Landscape Architecture

SERVICES

LANDSCAPE ARCHITECTURE

- Civic and Public Works
- Parks and Recreation
- Healthcare
- Education
- Housing
- Hospitality
- Office and Commercial

PLANNING

- Land Use Planning
- Transportation Planning
- Active Transportation Planning
- Natural Resources
- Federal Planning

SUPPORT SERVICES

- Public Outreach
- GIS
- 3D Modeling and Simulations
- Sustainable Design
- Water Management
- Grant Writing

As planners and landscape architects, KTUA is focused on the principles of healthy placemaking – a collaborative process for reshaping the public realm of our neighborhoods, communities and regions. The link between our natural and built environments and the health of individuals, families and communities is real. Well designed streets, parks, open spaces, public places and buildings facilitate human connectivity and improve people's mental, physical and social health. In our vision and our actions, KTUA collaborates with our community leaders, public agencies, private developers, allied professionals, neighbors and families to develop implementable plans that address social, physical, environmental and economic goals that shape healthy places. By building support for these plans and projects from the ground up, we provide opportunities for civic engagement and transformative ideas.

OUR PLANNING AND DESIGN PROCESS INCLUDES

- Listening to the community so that we fully understand their needs and desires;
- Creating places that are attractive, convenient, safe and healthy;
- Designing to encourage social, civic and physical engagement;
- Protecting, enhancing and restoring the environment;
- Contributing towards economic growth of the region and the residents;
- Improving the daily lives of people of all ages and abilities by providing options for housing, transportation, education and social interaction; and
- Maximizing enjoyment and economic benefit while minimizing risk, liability and injury.

VALUE TO OUR CLIENTS

- The diversity and background of our staff, a collaboration of planners, landscape architects, GIS analysts, facilitators and graphic artists, allows us to fully understand the larger perspective and implement the fine-grained details that contribute to project success.
- All of our staff members, from the principals to the designers, are hands-on. The team that is working on your project will stay in place from start to finish, ensuring that transitions from one phase of a project to another will be seamless and efficient.

OUR PASSION FOR HEALTHY PLACEMAKING

- KTUA staff members are involved in their communities, from community planning groups and advisory boards to philanthropic groups and student mentoring programs, with the goal of effecting positive change in our neighborhoods.
- KTUA staff members are frequent speakers at the local, regional and state level on the benefits of forward-thinking planning and design on people, the community and the environment.
- KTUA's efforts to promote planning and design projects that focus on healthy placemaking have been recognized by our professional organizations such as ASLA, APA, ULI, APWA and SAME.



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UCSD Scripps Institution of Oceanography Coastal Meander



Photo by Mike Torrey Photography.

University of San Diego Paseo de Colachis

The new Paseo de Colachis expands the central pedestrian promenade at the University of San Diego by closing down an existing two way vehicular street with a median and continues the outdoor plaza and pedestrian mall to serve as an inviting gathering and activity place for students and staff. Vehicular drop-offs are integrated into the design of the plaza at both the west and east ends of the site to accommodate the University's tram service which allows students, staff and visitors access to the rest of campus.

Sitting on a hillside with expansive views out to the Pacific Ocean, a large decorative tile and stone fountain identify the entry to the plaza. This fountain and pedestrian plaza surrounding it forms the gateway into campus. The site is arranged in three distinct landscape spaces: the lawn, the garden, and the plaza, and includes formal gathering plazas with casual furnishings, outdoor classroom spaces, a large lawn for free play and community events, an overlook area, and a native demonstration garden. Accessible paths to every building were accommodated with integrated terraces, formal ramps and stairs to account for the significant grade changes across the entire plaza.

“ As the prime consultant, it was critical for the project to deliver on time. We worked with subconsultants to complete concept designs, construction documents, and process improvement and building plans at the city in just eleven months for the plaza and just five months for the library expansion. ”

– BROOKE WHALEN,
SR. LANDSCAPE ARCHITECT

Services: Campus Urban Design, Irrigation Design, Landscape Architecture | Completed: 2017
Awards: 2018 APWA San Diego, Project of the Year (\$6-\$25M category)

HIGHER EDUCATION: UNIVERSITIES

PUBLIC UNIVERSITIES

San Diego State University

- Aquaplex
- Aztec Field - Aztec Green
- Campus Bicycle and Skateboard Study
- Chemistry Building
- Confucius Institute
- Destination SDSU
- Engineering Building
- Lot W Sports Fields
- Love Library Addition
- Open Air Theater
- Softball/Tennis Facility
- Student Services and Classrooms
- Tony Gwynn Stadium
- University Tower Addition

Cal State San Marcos

- Athletic Complex Master Plan and Cost Estimating
- Baseball and Softball Fields
- Campus View Drive Extension, Parking Structure 1, Phase 1
- Campus ADA and Wayfinding Study

University of California San Diego

- Bicycle and Pedestrian Master Plan
- Central Research Services Facility
- Coastal Meander Trail
- East Campus Recreation Area
- Faculty Club
- Gilman Drive Bridge
- Gilman Drive Transit Center
- International Relations and Pacific Studies Building
- NOAA Revegetation
- North Campus Mall
- North Campus Recreation Area
- Preuss School Soccer Field
- Ropes Course
- Scripps Institution of Oceanography Dry Weather Flow Elimination and Pollutant Source Control Program
- SIO Eckart Coral Garden
- Social Sciences Building
- Visual Arts Building

University of California San Diego Hillcrest Campus

- Utility Bridge and infrastructure

University of San Diego

- Alumni Center
- Arthur & Marjorie Hughes Center
- Fowler Field and Cunningham Stadium
- Immaculata
- Jenny Craig Pavilion
- Law Library
- Maher Memorial Garden
- Maher Pedestrian Mall
- Master Plan Revisions for Athletics, Recreation, Intramural and Clubs
- Paseo de Colachis/Copley Library
- Philip Hahn School of Nursing
- West Hill Parking Structure

PRIVATE UNIVERSITIES

Point Loma Nazarene University

- Cooper Music Center
- Nicholson Student Commons
- Ryan Library Expansion

William Jessup University

- Landscape Master Plan

EF International

- Point Loma Campus

University of San Diego Jenny Craig Pavilion



HIGHER EDUCATION: COMMUNITY COLLEGES



Grossmont College Health Sciences

The two-story, 54,200 sq. ft., Grossmont College Health Science building is set into a hillside and allows grade level access to both levels. The building is split into a laboratory and a classroom/office wing with a courtyard and lobby space between the two wings. The courtyard and lobby bring students together for classroom access and provides opportunity for interaction, group study and outdoor science labs. The scope included the use of a native and drought tolerant landscape, irrigation systems and design assistance on the outdoor open-air plaza and seating areas. Schematic design plans, preliminary construction estimates and construction documents were prepared. **Services: Landscape Architecture, Water Conservation | Construction Completed 2011**

COMMUNITY COLLEGES

Cuyamaca College

- Physical Education Facility

Grossmont College

- Child Development Center
- Digital Arts and Sculpture Building
- Health/Sciences Complex
- Landscape Standards
- Landscape Trail Master Plan
- Native and Meditation Gardens
- Parking Structure
- Student Services/Griffin Center

Palomar College

- Campus Arboretum
- Howard Brubeck Theater Renovation

Mesa College

- Irrigation Mainline Loop and Parking Lot

Mira Costa College

- Art and Music Storage Building
- Dance Studio
- San Elijo Campus Building 600 Outdoor Classroom

Orange Coast College

- Campus Bike/Skateboard Master Plan

San Diego City College

- Child Development Center

Southwestern College

- Horticulture and Landscape Nursery Technology



Moreno Valley College Landscape



Grossmont College Native Gardens

KTUA was commissioned by Grossmont Community College to design an outdoor educational setting and promote a campus wide water conservation effort by introducing native plants and eliminating excessive turf throughout the central campus. KTUA worked closely with the College Steering Committee consisting of the facilities department, campus maintenance engineer, biology department and a consulting native plant consultant. KTUA developed eight different native plant communities such as: Coastal Sage Scrub, Oak Woodland, Mixed Chaparral, Chamise Chaparral, Riparian, Maritime Succulent, Desert Succulent and a whimsical native Butterfly/Hummingbird garden.

One of the initial design challenges was transforming a traditional campus setting into a natural native habitat for display, educational and sustainability purposes. Each of the native communities have their own unique characteristics with a site-specific plant palette. The plant composition closely matches the characteristics of each native habitat while taking into consideration aesthetic form, function and maintenance criteria established by the Steering Committee. Special observation areas feature pervious paving, artistic styled benches, interpretive signage and recycled materials to create outdoor classroom settings and promote sustainable educational environments. Once all of the designs were completed, KTUA prepared a preliminary construction budget for each plant community.

**Services: Landscape Architecture, Water Conservation
| Construction Completed 2013**

NATIVE GARDENS

- Grossmont College Native & Meditation Gardens
- UC San Diego Eckart Coral Garden
- Moreno Valley College Landscape Renovation
- Palomar College Arboretum
- Living Coast Discovery Center Pollinator Garden

“ The new drought-tolerant landscaping is part of Grossmont College’s outdoor education zone. The sustainability project transformed campus landscaping with drought-tolerant native plants, creating outdoor learning labs for Biology and Earth Science courses, while conserving water and campus resources.
– GROSSMONT COLLEGE ”

HIGHER EDUCATION: CAMPUS HOUSING



UC San Diego Rita Atkinson Graduate Student Housing



The KTUA landscape concept plan for the UCSD 226,000-square foot, 225-bed Rita Atkinson Residences project emphasizes the functionality of sustainable landscape combined with aesthetic expression designed to provide a healthy and pleasing environment for graduate students while achieving a LEED Gold rating.

The \$43 million design-build project minimized site disturbance, recycled existing on-site materials, utilized low water-use planting, rapidly renewable plant materials and permeable pavements, maximized open space, and created strong pedestrian and bicycle connections to the University campus. With KTUA's assistance, the 2-acre site was graded and balanced to avoid off-site export, minimize site walls, and limit disturbance of existing landscape and habitat. Working with the design-build team, KTUA provided an early analysis of applicable points to achieve the LEED rating, particularly in the areas of Sustainable Sites and Water Efficiency.

**Services: Landscape Architecture, LEED Analysis,
Green Roof Design | Completed 2010**

CAMPUS HOUSING

- Cal Poly San Luis Obispo South Campus Student Housing
- EF International Student Residence
- SDSU Cuicacalli Residential Suites and Dining Complex
- SDSU East Campus Housing
- SDSU Tenochca Hall Additions
- UC Merced Gardenview Suites
- UC San Diego Rita Atkinson Graduate Student Housing
- UC San Diego Matthews Student Housing
- UC San Diego East Campus Apartments
- USD Alcalá/Mission Apartments
- 5030 College (off-campus housing)

EDUCATION: K-12 & CHILD DEVELOPMENT CENTERS

PRIVATE SCHOOLS

- Horizon Prep School
- La Jolla Country Day School

K-12

San Diego City Schools

- Alcott Elementary School Irrigation
- Bayview Elementary School Administration Building and Parking Lot
- Bell Middle School Modernization
- Bird Rock Elementary School Library
- Birney Elementary School Irrigation
- Brooklyn Elementary School Lunch Shelters
- Carson Elementary School Library
- Carver Elementary School Library
- Cesar Chavez Elementary School Classrooms, Admin. Building, Fields/Playgrounds
- Challenger Junior High School
- Clairemont High School Library
- Crown Point Elementary School Library
- Dingeman Elementary School
- Emerson Bandini Elementary School
- Florence Griffith Joyner Elementary School
- Freese Elementary School Irrigation
- Garfield High School
- Gompers Middle School Irrigation
- Hearst Elementary School Library
- Ibarra Elementary School Bridging Documents
- King Elementary School Library
- Kroc Creative, Performing and Media Arts School
- Laura Rodriguez Elementary School
- Lewis Middle School
- Lincoln High School
- McKinley Elementary School Master Plan
- Miramar Ranch Elementary School Irrigation Upgrades
- Mira Mesa High School
- Mission Bay High School Library
- Morse High School Athletic Fields, Culinary Arts Center, Child Development Center, Campus Modernization
- Muirlands Middle School Library
- Normal Heights Elementary School
- Patrick Henry High School Library and Media Center
- Scripps Ranch High School Modernization and New Classroom
- Scripps Ranch Middle School Bridging Documents

Sweetwater Union High School District

- Eastlake Middle School
- Olympic High School
- Otay Ranch High School
- Rancho Del Rey Middle School
- San Ysidro High School

Grossmont High School District

- El Capitan High School Agricultural Complex
- Santana High School Plaza
- Valhalla High School Master Plan
- Viking Hall, Valhalla High School

Solana Beach Elementary School District

- Pacific Highlands Ranch School Master Plan
- Solana Highlands Elementary School
- Solana Ranch Elementary School

Del Mar Union School District

- Ashley Falls Elementary School
- Torrey Pines High School

Escondido Union High School District

- Orange Glen High School Modernization

CHILD DEVELOPMENT CENTERS

- Grossmont College Child Development Center
- Morse High School Child Development Center
- San Diego City College Child Development Center
- SDSU Child Development Center
- USD Manchester Child Care Center



Morse High School Child Development Center. Design included drought tolerant, low maintenance plant materials and one of the San Diego Union School Districts first drip irrigation systems.

Orange Glen Elementary School Modernization



“ We have some very old schools, and this was a perfect opportunity for us to modernize.

– MICHAEL TAYLOR, ESCONDIDO ASSISTANT SUPERINTENDENT FOR BUSINESS SERVICES

”

KTUA provided landscape architectural services for campus upgrades as part of their Series A bond funding. This phase of the campus master plan included the renovation of an existing outdoor courtyard/assembly area; decorative seat walls, concrete planters, stairs, amphitheater, native drought tolerant plantings and an efficient irrigation system. KTUA prepared schematic design plans, preliminary construction estimates and construction documents.

Services: Landscape Architecture, Construction Documents, Schematic Design Plans, Irrigation Design | Completed: 2017



HEALTHCARE: HOSPITALS & MEDICAL OFFICE BUILDINGS



Naval Hospital Camp Pendleton

HOSPITALS

- Children's Hospital, San Diego
- El Centro Medical Center Landscape Master Plan
- Kaiser Permanente, Otay Mesa
- Kaiser Permanente Women's Center, La Mesa
- Mercy Hospital Entry Park, San Diego
- Modesto City Hospital Renovation
- Naval Hospital Camp Pendleton Site Planning and Bridging Documents
- Psychiatric Institute of America, Azusa, Long Beach, Rancho Cucamonga, Chula Vista, Bakersfield, San Jose, Redding, Palm Springs, and Stockton
- Rancho Springs Medical Center, Murrieta
- Rancho Springs Women's Health Center, Temecula
- Palmdale Regional Medical Center
- San Geronio Hospital
- Scripps Chula Vista Hospital
- Scripps La Jolla Hospital
- Temecula Valley Hospital
- UCSD Medical Center Tower Modernization

HEALING GARDENS

- Sharp Chula Vista Healing Garden

MEDICAL OFFICE BUILDINGS

- Canyon Springs Hospital Medical Office Building, Cathedral City
- Children's Hospital Medical Office Building, San Diego
- Grossmont Medical Office Building, La Mesa
- Kern Health Center, Kern County
- Maple Street Medical Office Building, San Diego
- Palmdale Medical Office Building
- Pediatrics Specialty Medical Office Building, San Diego
- San Ysidro Health Center
- Scripps Oceanside Medical Office Building
- St. Joseph Medical Office Building Parking Structure, Santa Ana
- XIMed Medical Office Building, La Jolla

Naval Hospital Camp Pendleton



**Services: Landscape Architecture, Site Planning
and Bridging Documents | Completed 2014**

Photo by Li-Casse Photography

KTUA was selected by NAVFAC Southwest to prepare site plan alternatives for the proposed Replacement Hospital at MCB Camp Pendleton. This effort included identifying program requirements, site constraints and opportunities that affected the hospital location options. The alternatives took into account the access, infrastructure, views from and of the site, biological constraints, drainage requirements and other safety issues. A total of four site plans were developed working with major stakeholders. The preferred alternative plan resulted in a more detailed site plan including utility points of connection, probable utility realignments and undergrounding options.

The landscape architectural plans provide design treatments arranged to express qualities of order, integrity, and sustainability to create a timeless building and landscape throughout the 50+ acre site. A hierarchy of roadways, spaces, materials, planting,

and entrances provide the visitor with a coherent way-finding system; landscaped courtyards and plazas provide areas for relaxation, family togetherness, and experience of nature. Exterior materials are linked to elements of the architecture and create a cohesive design of indoor and outdoor spaces, as well as contributing to Silver LEED certification. The project features parking lots designed with bio-swales, permeable paving, and photovoltaic systems; axial access ways leading employees and visitors through landscaped allees to the hospital, entry bridge, auto plaza, dining courtyards, a Memorial Plaza, and interior healing garden. The hospital and utility buildings feature a variety of green roof treatments that contribute to sustainability and the healing environment. KTUA also contributed design treatments for exterior lighting, site furnishings, service emblems, and custom design for the memorialization of winners of The Medal of Honor.

HEALTHCARE: ASSISTED LIVING FACILITIES



Rendering by Vargas + Tejada Arquitectos

Silvergate Assisted Living

ASSISTED LIVING FACILITIES

- Americare Silvergate, San Diego
- Casa de las Campanas, San Diego
- Edgemoor Skilled Nursing Facility, Santee
- Southern California Veterans Home, Barstow
- Southern California Veterans Home, Chula Vista
- Sea Crest Village, Carlsbad
- The Glen at Scripps Ranch, San Diego
- Wesley Palms, San Diego

The Edgemoor Skilled Nursing Facility a 150,000 square foot, 192 bed facility, contains six nursing units with 32 beds in each unit. KTUA began the design process with a series of programming and visioning sessions held with nurses, staff, administration, and the architectural team.

The patients are the primary focus of the hospital, and the landscape spaces were designed as a series of neighborhoods, courtyards and common areas. The outdoor areas were designed to promote patient interaction, revival, independence, way finding, healing and well-being. The surrounding landscape context also plays a role in defining a sense of enclosure and harmony with the existing landscape, and serves as an amenity to the hospital staff.

The site features a meditation garden, and a rich landscape palette of drought tolerant native California trees and grasses that are indigenous to the area. The perimeter landscape buffers the facility from noise, and maximizes views to existing natural elements. Special consideration has been given to blending the proposed development with the existing wetlands.

Services: Landscape Architecture | Completed: 2008

Edgemoor Skilled Nursing Facility



Mediterranean
Garden

OFFICE & COMMERCIAL

SCIENCE AND TECHNOLOGY

- Dura Pharmaceuticals, Sorrento Valley
- Gilead Sciences, La Verne
- La Jolla Institute for Allergy & Immunology, La Jolla
- Ligand Pharmaceuticals, La Jolla
- Neurocrine Biosciences, Del Mar
- Nexus Science Center, La Jolla
- Salk Institute Expansion, La Jolla
- Torrey Pines Science, Center, La Jolla

RETAIL DISTRICTS

- Gaslamp Quarter, San Diego
- Old Ferry Landing, Coronado
- Park Boulevard/Adams Avenue, San Diego

SHOPPING CENTERS

- Bay View Plaza, San Diego
- Delano Grapevine Center
- Garrett Ranch, Hemet
- Los Coches Center, Carlsbad
- Santee Trolley Square

OFFICE BUILDINGS

- Allred Collins Corporate Center, San Diego
- AME, La Jolla
- Braille Institute, San Diego
- Centerville Towers, San Diego
- Cornerstone Corporate Center, Carlsbad
- KTUA Office
- NBC Building Renovation, San Diego
- One America Plaza Reinvestment, San Diego
- Pacific Center, San Diego
- Plaza Del Mar, San Diego
- Regents Park, La Jolla
- SAIC Campus Point, La Jolla
- San Diego Corporate Center, Del Mar
- San Marcos Civic Corporate Plaza
- State Compensation Fund, Fresno
- Sunroad Corporate Center, La Jolla
- Sunroad Centrum, San Diego
- Torrey Reserve, Del Mar
- University Center, La Jolla
- Viasat Building 11, Carlsbad
- Wells Fargo/401 B Street Renovation, San Diego

BUSINESS PARKS

OFFICE COMPLEXES

- Carlsbad Research Center
- Bridge Point Office Park
- Eastgate Technology Park Reinvestment, San Diego
- Governor Business Park, San Diego
- Parkway Business Center, Poway
- Manchester Pacific Gateway
- Sabre Springs Business Park, San Diego
- Solana Beach Corporate Center
- Stonecrest Business Park
- Union Tribune Site Redevelopment, Mission Valley

RESTAURANTS

- Coasterra, Harbor Island



Gilead Sciences



Gilead Sciences

Gilead Sciences is one of the largest biopharmaceutical companies in the world focused on investigational drugs. Their need for expansion led them to develop a new 23-acre manufacturing plant in La Verne, California. KTUA worked closely with their architect in developing several conceptual landscape site plans that provided a phased master plan to accommodate future development and support the relocation and expansion of their existing San Dimas facilities.

Because of the intensity of the work and the desire for a high level of employee recruitment and retention, it was important that Gilead provide its employees with enhanced outdoor amenities such as outdoor break areas, plazas, walking paths, seating and enhanced landscape gardens. The main plaza is enclosed on three sides by two and three story buildings that function as a relaxing space and can accommodate user overflow from the adjacent interior cafe. Tables, chairs and umbrellas provide a place for breaks and outside dining, complete with a barbecue area, a shade canopy and large plaza trees. The plaza functions as a visual connection to the outdoors where it is adjacent to the glassed walls of their administrative offices. A walking path encircles the entire site.

In anticipation of executives and clientele visiting the site, the entrance to the building was enhanced with meandering colored concrete walkways, well-placed groupings of trees and inspired vegetation, and hints of the Gilead company logo. Landscape spaces were designed to accommodate future building phases. Security was critical to the site and a security fence was aesthetically incorporated to surround the entire perimeter. Integrated stormwater treatment was also critical to the site and all stormwater from the buildings and parking is captured and treated in vegetated retention basins.

With the development of the site, KTUA was also responsible for the improvement plans along Wheeler Avenue that included medians and a parkway. A concept that integrated low-water use plants, decorative concrete and cobble was presented to the city as a solution to reduce the use of potable water in the medians.

Services: Landscape Architecture | Completed 2015

DESIGN-BUILD



San Diego Airport Rental Car Center

The 25.5-acre San Diego International Airport Rental Car Center (RCC) serves as a welcoming point of entry for visitors to the San Diego region and an enhancement to the north side of the airport campus. Two distinct “front doors” are located along the north and south sides of the structure. The RCC includes parking for 5,400 cars, and 14 car rental companies within the 2 million SF campus. The construction cost was \$316 million.

The landscape theme of the RCC is reflective of the identity of San Diego, its unique location and significant natural and man-made features. The landscape reflects the idea of movement, which is indicative of travel as well as the surrounding natural systems of wind and water, and is recognizable from both the air and ground. Palm trees accentuate the architecture and represent major paths of travel around and through the site. Plant materials were selected for climate and site appropriateness, drought tolerance and low maintenance, with plant material colors and textures reinforcing the theme of movement, accent and scale. California natives and coastal compatible plants were key to providing a balance of minimizing water use and remaining true to the overall master plan.

The project was collaboratively designed and built with sustainable strategies to achieve a LEED Silver rating. Water is captured in seven on-site bioswales and filtered through the planting areas in compliance with current regulations to seamlessly integrate the landscape design with the storm water systems

and the Storm Water Pollution Prevention Plan. The treatment control BMPs include: infiltration, capture and reuse, biofiltration, and mechanical treatment.

An important goal of the project was to provide pedestrian access to the future Intermodal Transit Center (ITC) by integrating pedestrian linkage into and through the RCC site. This linkage supports the San Diego regional transportation goals of encouraging the use of mass transit, minimizing airport related traffic impacts to adjacent communities and improving intermodal access to the airport and airport facilities. The themed pedestrian and vehicular concrete paving was enhanced with color, special finishes and enhancements, while site furnishings such as picnic tables, benches and a dog relief area are available for visitor and employee use. A palm-lined 1,400-foot long fire lane along Pacific Highway also serves as an attractive pedestrian and streetscape amenity.

Public art, funded by two-percent of eligible construction costs, is a key element of the RCC and is integral to both the interior and exterior design. “MetroGnomes” by Christian Moeller is placed within one of the site bio-swales. It includes two 54-foot tall kinetic sculptures of steel, aluminum and electromagnets that move back and forth. MetroGnomes is inspired by aircraft marshals directing planes to their arrival gate, metronomes, and the site’s location near San Diego Bay.

**Services: Landscape Architecture, Artist Coordination
| Completed 2015**

DESIGN BUILD

- 880 Harbor Island Restaurant
- Cal Poly San Luis Obispo Student Housing South
- City of Carlsbad Alga Norte Community Park
- City of Chula Vista Salt Creek Community Park Master Plan
- City of Garden Grove Fire Station
- City of San Diego Airport Rental Car Center
- City of San Diego Nobel Athletic Area and Library
- City of San Diego Torrey Pines Golf Course North Course Renovation
- County of San Diego Rancho San Diego Sheriff Station
- Naval Hospital Camp Pendleton
- Rancho San Diego Sheriff Substation
- Scripps Oceanside Medical Office Building
- SDSU Recreation Fields (Associated Students)
- UC San Diego Rita Atkinson Residences
- UC Merced Garden Suites and Lakeview Dining
- University of San Diego Alcala Vista and Missions Student Housing
- MCAS Miramar Fuel Pipeline Repair

“ The landscape reflects the idea of movement, which is indicative of travel as well as the surrounding natural systems of wind and water, and is recognizable from both the air and ground. ”



San Diego Airport Rental Car Center

PARKS & RECREATION: PARKS & PLAYGROUNDS



North Ocean Beach Gateway



Alga Norte Community Park

PARK MASTER PLANS

- City of Encinitas Parks Master Plan
- City of Goleta Parks Master Plan
- City of La Mesa Parks Master Plan
- City of Oceanside Parks Master Plan
- City of San Gabriel Parks Master Plan
- City of Santee Parks Master Plan
- County of Riverside Parks Master Plan
- County of San Bernardino Regional Parks Master Plans
- County of San Diego Parks Master Plan
- Girl Scouts San Diego-Imperial Council Recreation Facilities Master Plan
- Stone Creek Parks Master Plan

REGIONAL PARKS

- Camp Lockett Historic Park Framework Management Plan, Campo
- Chula Vista Bayfront Parks
- Colton Regional Park Master Plan
- Fiesta Island Park Precise Plan
- Mission Trails Regional Park Master Plan and Natural Resource Management Plan
- Murrieta Creek Recreation Basin, Temecula
- Moabi Regional Park Master Plan, & Mojave River Forks Regional Park Master Plan, San Bernardino County

COMMUNITY PARKS

- Alga Norte Community Park, Carlsbad
- Buena Vista Park Master Plan, Vista
- Carmel Valley Community Park, San Diego
- MacArthur Park Opportunities & Constrains Study, La Mesa
- Mira Mesa Community Park
- Nobel Athletic Area and Library, San Diego
- Rincon Community Park, Valley Center
- Salt Creek Community Park, Chula Vista
- Porterville Community Park
- Poway Park Master Plan Feasibility Study

PLAYGROUNDS AND PICNIC AREAS

- Bonita Cove, Mission Bay, San Diego
- Dos Picos Park Renovations, Ramona
- San Dieguito Park Renovations, Rancho Santa Fe

NEIGHBORHOOD PARKS

- 39th Street Park General Development Plan, San Diego
- Ashley Falls Park, San Diego
- Breen Park, San Diego
- Briercrest Park Master Plan, La Mesa

- Centrum Park, San Diego
- Cabrillo Heights Park, San Diego
- Canyon Hills Resource Park, San Diego
- Collier Park, Ramona
- Lakeview Park, Discovery Hills, San Marcos
- La Mesita Park Master Plan
- Martin Luther King Park, San Diego
- Memorial Park ADA, San Diego
- Northmont Park, La Mesa
- Ocean View Hills Park, San Diego
- Olive Street Park, San Diego
- Rancho Mission Canyon Park, San Diego
- Sabre Springs Park, San Diego
- Sage Canyon Park, San Diego
- Southcreek Park, San Diego
- Southcrest Trail Park, San Diego
- Sunshine Berardini Park General Development Plan, San Diego
- Taft Joint Use Park, San Diego
- Torrey Highlands Park, San Diego
- Trolley Barn Park, San Diego
- Valencia Park, San Diego
- Wildwood Park, Vista

PARKS & RECREATION: AQUATIC FACILITIES & SPORTS COMPLEXES



Alga Norte Community Park

KTUA provided landscape architectural services for a new 32.1-acre park located in the City of Carlsbad. The park includes an aquatic facility with a 25-meter pool, a 56-meter Olympic/competition pool, a spa and a children's play pool. Other facilities include a community building with administrative offices, skatepark, fenced in off-leash dog areas, three ballfields with a shared multi-purpose field, basketball court, picnic and seating areas, site furnishings and parking. An expansive playground with shade canopies was designed for children of various age groups and abilities.

The park site features natural topography with 70 feet of elevation change from the highest to the lowest point, providing challenges for the design of the stormwater systems. The solutions include bioswales running along the length of the east and south perimeters of the park that cleanse the stormwater prior to discharge into the public stormwater system. The surrounding natural open spaces remain preserved and protected as a part of the city's plan, which includes an additional 10 acres of California coastal sage scrub habitat on the north and west sides of the park.

KTUA was responsible for a thorough review of the bridging documents, updating and revising the plans to comply with new federal and local regulations, and incorporating amenities per the City of Carlsbad's request.

Services: Landscape Architecture | Completed 2014

AQUATIC FACILITIES

- Encanto Park Pool Study and Park General Development Plan, San Diego
- Mission Valley YMCA Pool, San Diego
- SDSU Aquaplex, San Diego
- SeaWorld Aquatica, Chula Vista

WATERFRONT PARKS

- Coast Boulevard Park, La Jolla
- G Street Mole, San Diego

SPORTS COMPLEXES

- Barnes Tennis Center, San Diego
- Cal State San Marcos Athletic Complex Master Plan
- Chargers Training Facility, San Diego
- Mission Sports Park Expansion, San Marcos
- San Diego Tennis and Racquet Club, San Diego
- SDSU Softball and Tennis Complex, San Diego
- SDSU Student Field
- UCSD North Campus Recreation Area, La Jolla
- UCSD East Campus Baseball Field, La Jolla
- USD Athletic Fields, San Diego
- USD Fowler Field and Cunningham Stadium
- USD Jenny Craig Pavilion

TRAILS, CAMPGROUNDS, OPEN SPACE & INTERPRETIVE FACILITIES

RECREATIONAL TRAILS

- Balboa Park Trails Signage and Mapping Plan, San Diego
- Bayshore Bikeway, San Diego
- Bernardo Mountain Trail Study, San Diego
- Box Springs Mountain Trails Master Plan, Riverside County
- Carlsbad Ocean Street Beach Access
- City of Costa Mesa Multi-Use Trails Master Plan
- San Diego Canyonlands Mid-City Canyons Trails
- City of Yucaipa Wildwood-Calimesa Trail Master Plan
- Coast to Crest Trail, San Dieguito Lagoon Segment, San Diego
- County of San Diego Boulder Oaks Access Plan
- Encinitas Beach Access Trails
- Heritage Trail, Valley Center
- Los Penasquitos Lagoon Public Access Plan
- Mockingbird Canyon Trail, Riverside
- Murrieta Creek Trail, Temecula
- Ocean Beach Bike Path, San Diego River
- Roripaugh/Johnson Ranch Trails
- Santa Ana River Parkway, Orange County
- Santa Ana River Trail, Riverside County
- Santa Ana River Trail, Phase 4, San Bernardino County
- San Diego River Trails Gap Analysis
- Sea World Bike Path, Mission Bay
- UC San Diego Coastal Meander

CAMPGROUNDS

- Fiesta Island Youth Campground, Mission Bay, San Diego
- Kumeyaay Campground, Mission Trails Regional Park
- Santee Lakes Campground
- Moabi Regional Park Campground
- Mojave Regional Park Campground

OPEN SPACE

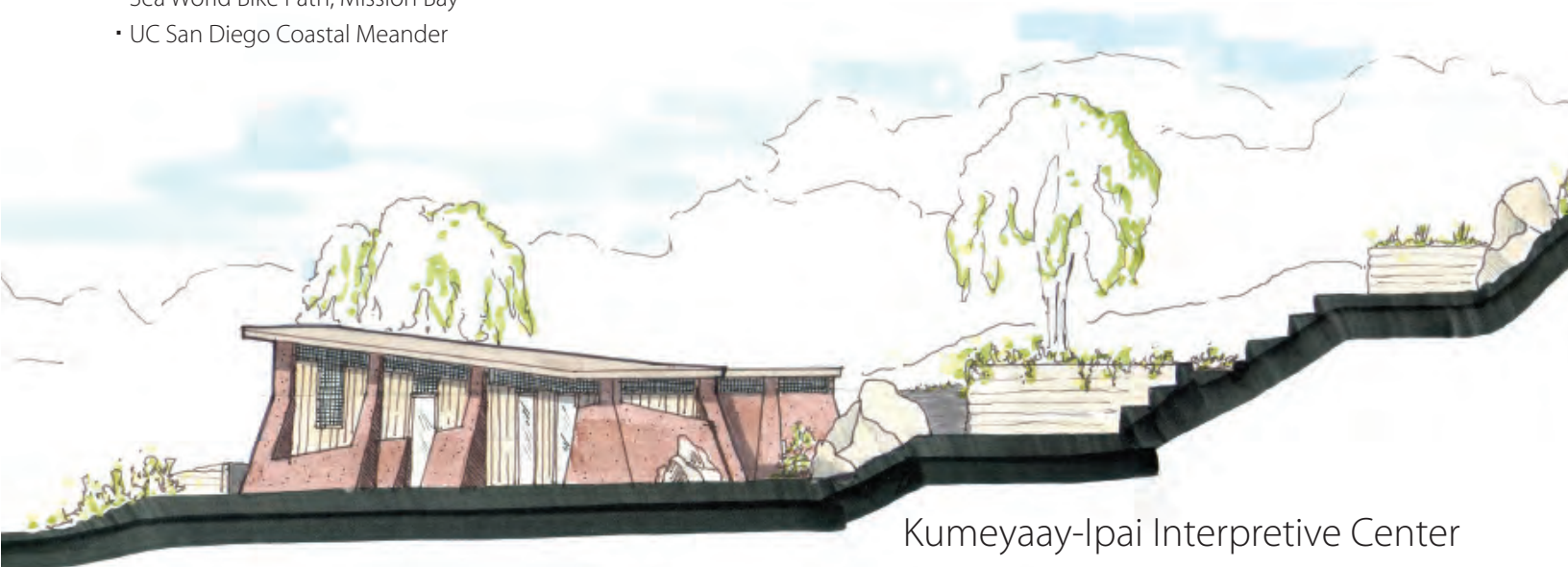
- San Dieguito Lagoon Restoration, San Diego
- Famosa Slough Enhancement Plan, San Diego
- Taylor Yard, Los Angeles

ARBORETUMS

- Palm Arboretum, Balboa Park, San Diego
- Palomar College Arboretum, San Marcos

INTERPRETIVE AND VISITOR CENTERS

- Agua Hedionda Learning Center Landscape Master Plan, Carlsbad
- Kumeyaay-Ipai Interpretive Center, Poway
- Leo Carrillo Ranch Park, Carlsbad
- Mission Trails Regional Park Visitor and Interpretive Center, San Diego
- Piedras Pintadas Sacred Archaeological Site, San Dieguito River Park, San Diego
- Rancho Los Cerritos Visitor Center, Long Beach



Kumeyaay-Ipai Interpretive Center

HOSPITALITY: HOTELS, RESORTS, THEME PARKS & GOLF COURSES





Grand Del Mar

HOTELS AND RESORTS

- Grand Del Mar, Del Mar
- Grand Hyatt Patio, San Diego
- Harbor Island Hotel Concept Plans, San Diego
- Inns at Buena Vista Creek, Oceanside
- Kona Kai Club Conceptual Plans, Shelter Island, San Diego
- La Casa del Zorro, Borrego Springs
- Le Meridien Resort Hotel, Coronado
- Liberty Station Hotels, San Diego
- Manchester Pacific Gateway Hotel, San Diego
- Pacific Terrace Inn, San Diego
- Pala Mesa Resort Renovations, Pala
- Rancho Bernardo Hilton Garden Inn,
- Rancho Bernardo Inn Renovations
- Westgate Hotel Renovation, San Diego
- Yuma Waterfront Hotel and Conference Center Concept Plans, Yuma, AZ

RESTAURANTS

- 880 Harbor Island

CASINOS

- Desert Diamond Casino, Tucson
- Hawaiian Gardens Casino Conceptual Plans, Hawaiian Gardens
- Table Mountain Casino, Fresno

ZOOS AND THEME PARKS

San Diego Zoo

- Hippo Beach
- Polar Bear Plunge
- Children's Zoo Charrettes

San Diego Zoo Safari Park

- Center for the Reproduction of Endangered Species
- Heart of Africa

SeaWorld San Diego

- Aquatica Water Park, Chula Vista
- Harborside Cafe
- Explorer Shore and Restroom
- Flamingo Exhibit
- Ocean Explorer
- Park Entry & Main Entry Irrigation
- South Shores Promenade

Aquatica Water Park, Chula Vista

- Park Renovation
- Water Slide

GOLF COURSES AND CLUBHOUSES

- Balboa Park Golf Course Clubhouse Master Plan, San Diego
- Barnes Tennis Center, San Diego
- Copper River Clubhouse, Fresno
- Del Mar Country Club Estates, Rancho Santa Fe
- El Camino Country Club Clubhouse, Oceanside
- Maderas Country Club Clubhouse, Poway
- San Diego Tennis and Racquet Club, San Diego
- The Crossings at Carlsbad
- The Vineyard Clubhouse, Escondido
- Torrey Pines Golf Course Clubhouse Renovations, San Diego
- Torrey Pines North Course Reconstruction, San Diego

HOUSING: SINGLE-FAMILY, MULTI-FAMILY AND MIXED USE

NEW COMMUNITIES

- Carmel Country Highlands, San Diego
- Carmel Valley, San Diego
- Castlerock, San Diego
- Discovery Hills, San Marcos
- Lusk Patio Homes, San Diego
- Ocean View Hills, San Diego
- Sabre Springs, San Diego
- Stone Creek, San Diego

MULTI-FAMILY AND MIXED USE

- 55th Street Village, San Diego
- 600 Front, San Diego
- Alba Gardens, Chula Vista
- Allegro Towers, San Diego
- Arcadia Apartments, San Diego
- Columbia Square, San Diego
- Delano Grapevine Apartments, Delano
- First & Maple Apartments, San Diego
- Hamilton Row, San Diego
- La Mirage Apartments, San Diego
- Marina Park, San Diego
- Market Street Square, San Diego
- Nobel Creek Apartments, San Diego
- Oro Vista Apartments, San Diego
- Pacifica Chula Vista Bayfront (Amara)
- Park Row, San Diego
- River Run Apartments, San Diego
- Union Tribune Mission Valley, San Diego

MODEL HOMES

- Alta Murrieta, Temecula
- Aragon, Rancho del Rey, Chula Vista
- Mar Lado, Pepper Tree, Oceanside
- Mar Luna, Chula Vista
- Rustler's Ranch, Palmdale, Moreno Valley, Sun City
- The Trails, Discovery Hills, San Marcos
- Woodridge, Irvine

AFFORDABLE HOUSING

- Eden Housing, Ontario
- Logan Avenue Housing, San Diego
- Maya Linda Apartments Renovation, San Diego
- Old Grove Apartments, Oceanside

HOUSING REINVESTMENT

- La Mirage, San Diego
- Solazzo, San Diego
- Westwood, San Diego

COMMON AREA RESTORATION

- Lomas Santa Fe Country Club Villas Landscape and Irrigation Assessment, Solana Beach
- Park Row, San Diego
- Sycamore Creek, Poway

SINGLE FAMILY HOUSING

- Bonsall
- Cardiff
- Coronado
- Del Mar
- Fairbanks Ranch
- France
- Julian
- La Jolla
- La Quinta
- Las Vegas
- Pauma Valley
- Point Loma
- Rancho Bernardo
- Rancho Santa Fe
- San Diego
- Scripps Ranch
- Solana Beach
- Stockton
- Tijuana, Baja California
- Valley Center





Solazzo Apartments

The Irvine Company Reinvestment program has completed over \$240-million in refurbishments to their apartment communities, shopping centers, office buildings and resort properties. KTUA recently completed plans for Irvine Company Reinvestment of Solazzo Apartment Homes, located near La Jolla Shores and University Towne Centre. Residential floor plans include private patios or balconies, a swimming pool, two spas, a business lounge, and a fitness center that opens to outdoor areas.

KTUA's scope of work included sustainability features such as lawn reduction, and removal of impervious hardscape areas. Additionally, the social program called for the introduction of new user spaces, including a bocce court, horseshoe court, dog park, and outdoor areas for barbecues and soft seating groups. ADA compliance was addressed at the leasing center, and a new level of visibility was created throughout the marketing corridor as a part of a more comprehensive signage and way-finding program. Along with upgrades to the main pool, including tile waterline and depth markers, new seating groupings, shade amenities, barbecues, and a fire table were introduced. Existing crib walls were reinvigorated with new vine planting.

More than half the project is located over garage parking. A major planter excavation program was prepared, and all plant materials on the deck were replaced. A deck design plan was developed to create a paseo with flanking, themed gardens featuring Mediterranean plants materials, "festoon" night-lighting, and new seating groupings creating entirely new spaces for residents.

KTUA's scope of work included assessing existing conditions, creating new base file information, followed by a full scope of design and documentation services from schematic work to construction documents.

Services: Landscape Architecture | Completed 2017

PLANNING: LAND USE PLANNING

SPECIFIC PLANS

- City of National City Downtown Specific Plan
- Downtown Manhattan Beach Specific Plan Mobility Guidelines

COMMUNITY PLANS

- North Park Community Plan Update
- Uptown Community Plan Update Mobility Element, San Diego

COMMUNITY CHARACTER STUDIES

- City of Encinitas Hymettus Estates
- City of Encinitas Requezia

MASTER PLANS

- El Corozon de Oceanside Master Plan
- Girl Scout Facilities Master Plan, San Diego County
- Father Joe's Children's Village, Campo
- Rancho San Vicente, Campo

HEALTHY COMMUNITY PLANS

- City Heights Urban Greening Plan
- Jacobs Center for Neighborhood Innovation Community Health & Wellness Element
- La Mesa Safe Routes to Transit and Parks Plan
- Pico Rivera Urban Greening Plan

URBAN PUBLIC SPACES

- Lincoln Avenue Community Avenue and Pedestrian Connection, San Diego
- Mid-City Transit Gateway, San Diego
- North Ocean Beach Gateway, San Diego

SMART GROWTH/TOD

- Main Street Promenade, Lemon Grove
- 8th Street Corridor Smart Growth Project, National City
- C Street Master Plan, San Diego
- North County Transit District Land Use Studies, Oceanside, Carlsbad, Escondido
- University Towne Center Transit Station Urban Design Study, San Diego
- SANDAG Parking and Trip Generation Rate Assessments, San Diego
- SANDAG Smart Growth Design Guidelines, San Diego

WAYFINDING/SIGNAGE

- Cal State San Marcos Campus Wayfinding and ADA Accessibility
- City of Commerce Gateway and Wayfinding Signage
- CCDC Downtown Signage Master Plan, San Diego

MIXED USE URBAN INFILL

- Linda Vista Redevelopment, San Diego
- Jacobs Center/Market Creek Plaza Urban Studies, San Diego
- Downtown Porterville Redevelopment
- Downtown Delano Redevelopment
- Tulare Redevelopment
- Yuma Waterfront Development
- North Park Library Concept Plans, San Diego

NEIGHBORHOOD STUDIES

- The Boulevard West End - El Cajon Boulevard Traffic Calming and Pedestrian Environment Enhancement Study, San Diego
- University Avenue North Park Traffic Calming Study, San Diego
- Hillcrest Parking Study, San Diego
- Uptown Traffic Calming Study, San Diego

DESIGN GUIDELINES

- Stone Creek, San Diego
- Adams Avenue Design Guidelines, San Diego
- Mission Hills Business District Design Guidelines, San Diego
- Naval Training Center Historic District Landscape Design Guidelines, San Diego
- Naval Air Station Pensacola Base Exterior Architecture Plan
- Naval Station Great Lakes Base Exterior Architecture Plan, Waukegan, IL
- MCAS Yuma Base Exterior Architecture Plan
- MCAGCC Twentynine Palms Base Exterior Architecture Plan
- MCB Camp Pendleton Base Exterior Architecture Plan
- NCBC Gulfport Installation Appearance Plan



City of National City Downtown Specific Plan



The City of National City received a smart growth grant from SANDAG for their Downtown Specific Plan (DSP) to update development and parking standards within the district. Key objectives included positioning Downtown National City to capitalize on resurgent real estate and employment markets by making the plan more user-friendly, allowing a greater range/mix of uses, and increasing the quality of design through updated design guidelines. KTUA and its team of subconsultants produced materials related to the promotion of former redevelopment agency properties, the assessment of parking assets and programs/policies, the existing DSP/application processing review, public outreach and workshop facilitation, urban form modeling and visualizations, update of the DSP and the creation of a parking management plan, environmental conformance review, and the presentation of the plan to City staff and elected officials.

One section of design guidelines chapter focuses on recommendations for the public realm, including all spaces within the right-of-way encompassing sidewalks, parkways, bike lanes and roadways. Specific topics addressed include street typologies, public on-street parking, stormwater basins and infrastructure, bicycle facilities, pedestrian facilities, street amenities, signage, public art and street tree palettes.

**Services: Urban Planning, Mobility Planning, Public Outreach
| Completed 2017**

Awards: APA 2018 (Best Comprehensive Plan - Small Jurisdiction)

“ We look forward to implementing the plan and creating public and private projects that add to the vibrancy of our downtown.

– BRAD RAULSTON, CITY OF NATIONAL CITY, DEPUTY CITY MANAGER

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PLANNING: ACTIVE TRANSPORTATION PLANNING

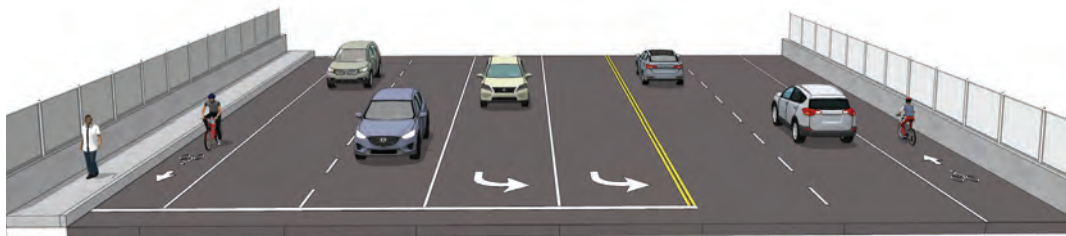
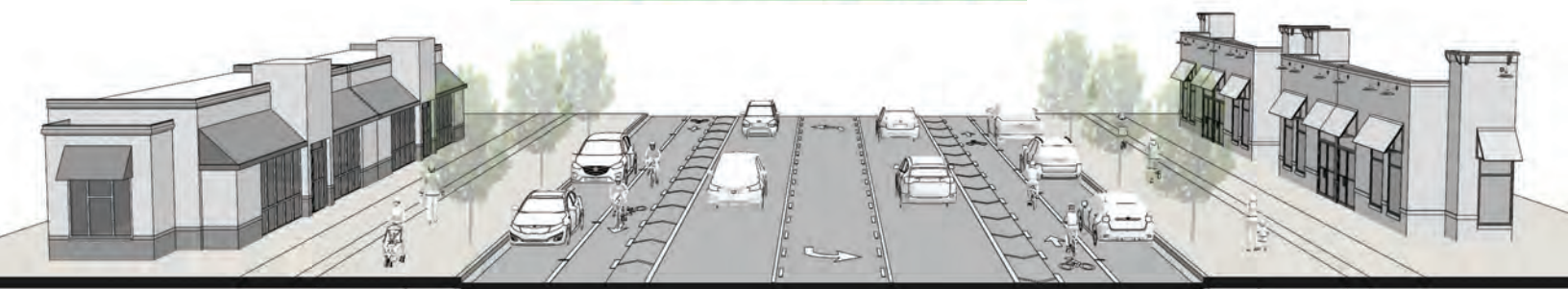


City of San Diego Talmadge Traffic Calming Feasibility Study

KTUA provided transportation planning services for the identification of traffic calming measures and improved aesthetics for three extra wide intersections (Euclid Avenue, Adams Avenue and Miracle Drive; 49th Street and Lucille Drive; and Madison Avenue and 51st Street) in the Talmadge community. KTUA planners presented the plans and solicited feedback at multiple Business Improvement District meetings and one community meeting. The development of 3D graphics helped the community visualize the proposed improvements and highlighted both positive and challenging aspects of the proposed plans. KTUA also developed streetscape and landscape plans to facilitate Talmadge placemaking concepts and to provide vertical elements that contribute to the traffic calming effects of the proposed traffic circle and bulb-outs.

KTUA worked with the Talmadge community on identifying traffic calming measures and improved aesthetics of three extra wide intersections. We attended multiple Business Improvement District meetings and one community meeting. The development of 3D graphics helped the community visualize what was being proposed and highlighted both positive and negative aspects of the proposed plans.

Services: Traffic Calming, 3D Graphics, Community Involvement
| Completed 2016



City of Goleta Bicycle and Pedestrian Master Plan

The City of Goleta already had an extensive bicycle network and sidewalks on most streets, but needed to define potential network gaps and identify other potential existing facility needs. Because most improvements are at specific locations, knowledgeable citizen input helped determine which locations to address. Having the community help pinpoint issues and gaps was crucial, making robust community outreach very important to the project success.

The City of Goleta wanted to ensure citizens knew about the project to provide maximum opportunities for input. The main challenge was to make sure the community outreach process and participation was as thorough as possible. To address this, the team worked with the City to develop resources including regular email press releases through the City's Monarch Press online newsletter, online and paper surveys, an online comment map and "pop-up" workshops instead of conventional public meetings.

"Pop-up" workshops were conducted as part of the annual Goleta Lemon Festival and at a Sunday morning Farmers' Market. This format allowed the team to introduce the project to the public in a casual setting and quickly get input from many people. In addition, the team distributed postcards

directing people to the online survey and comment map, and urged them to watch the Monarch Press for upcoming project announcements. The team's diverse outreach toolkit was instrumental in addressing the city's concern with thorough community outreach. The City of Goleta's regular updating and close cooperation with the team's outreach efforts resulted in an unprecedented response. Over 1,600 people completed the online survey and contributed to the online comment map.

Using the GIS-based comment map's geo-referenced citizen input, KTUA developed a "heat map" highlighting the locations that received the most comments. The top 30 locations were further analyzed and compiled into a list of locations with specific recommended improvements. With such a robust response rate, the City can use the comment analysis and resulting recommended project list to prioritize improvements for future grant applications.

Services: Active Transportation Planning, Community Engagement | Currently On-going 2018

PLANNING: COMPLETE STREETS AND TRANSIT

COMPLETE STREETS AND CORRIDOR PLANS

- CCDC C Street Master Plan, San Diego
- City of Chula Vista Main Street Complete Street Plan
- City of Del Mar Camino Del Mar Corridor Study
- City of Imperial Beach Palm Avenue
- City of Lemon Grove CONNECT Main Street
- City of Lemon Grove Main Street Promenade Smart Growth Project
- City of National City 8th Street Corridor Smart Growth Project
- City of Ontario Holt Boulevard Complete Street Plan
- City of San Diego Morena Boulevard Station Area Plan
- City of San Marcos Armorlite Drive Complete Street Plan
- City of San Marcos San Marcos Boulevard Complete Street Plan
- City of Santa Ana Central Area Complete Streets Plan
- City of Santa Ana Downtown Zone Complete Streets Plan
- Re-Imagine Normal Street

TRAFFIC CALMING STUDIES

- City of Imperial Beach Traffic Calming and Bikeway Study
- City of National City Westside Traffic Calming Project
- City of San Diego Talmadge Traffic Calming Plan
- City of San Diego University Avenue North Park Traffic Calming Study
- City of San Diego Uptown Traffic Calming Plan (Fourth, Fifth, and Sixth Avenues)

TRANSPORTATION DEMAND MANAGEMENT

- Commuter Behavior Baseline Survey and Gamification Research
- Integrating TDM Development Process- Training
- San Diego Forward: The Regional Plan 2013 Survey
- SD Regional Vanpool & Carpool Program
- Telework Implementation Pilot Project
- Transit Plans and Corridors
- City of San Diego Mid-City Transit Gateway
- Riverside Transit Agency First and Last Mile Mobility Plan
- SANDAG Mission Valley LRT, Transit Stations and Patron Access Study
- SANDAG Old Town LRT and Transit Center and Stations
- NCTD Station Redevelopment Plans, Oceanside, Carlsbad and Escondido
- SANDAG I-805 and 47th Street LRT / BRT Station Area Plan
- SANDAG Mid-City Bus Rapid Transit Plan
- SANDAG Mid-Coast Corridor LRT and Transit Stations
- SANDAG SDSU to Downtown Bus Rapid Transit Study
- SANDAG Pacific Beach Line Concept
- SANDAG UCSD Gilman Drive Transit Center Concept Study
- SANDAG University Town Center Super Loop Transit Study
- SANDAG University Town Center Transit Center Concept Studies

CIRCULATION STUDIES

- City of Del Mar Circulation Element Update
- City of La Mesa Transportation Element
- Naval Base San Diego Transportation Plan

PARKING STUDIES

- City of San Diego Uptown Parking Study
- MCAS Yuma Circulation and Parking Study, Yuma, AZ
- Naval Station Great Lakes Traffic, Circulation and Parking Study, Waukegan, IL
- Port of San Diego Barrio Logan Parking Study

HIGHWAY DESIGN

- Caltrans Landscape Architectural Services, District 11, San Diego
- Interstate 5/Palomar Airport Road Interchange, Carlsbad
- Interstate 805/La Jolla Village Drive Interchange, San Diego
- Orange Avenue, Olympic Parkway and Interstate 805 Interchanges, Chula Vista State Route 125, La Mesa
- State Route 163/Clairemont Mesa Blvd. Interchange, San Diego
- State Route 168, Fresno County
- State Route 56/Camino del Sur Interchange, San Diego
- State Route 76, Oceanside

URBAN REDEVELOPMENT

- Downtown Delano Streetscape Improvements, Delano
- Downtown Porterville Streetscape Improvements, Porterville
- Downtown Tulare Streetscape Improvements, Tulare
- Gaslamp Quarter, San Diego
- Shelter Island, San Diego



STREET DESIGN

- Ardath Road Realignment, La Jolla
- Armada Drive, Carlsbad
- Ballpark Infrastructure, San Diego
- Camino del Mar, Del Mar
- Cannon Road, Carlsbad
- Carmel Country Road, Carmel Mountain Road and Del Mar Heights Road, San Diego
- Carmel Valley Road, San Diego
- Discovery Hills Streetscape Improvements, San Marcos
- El Camino Real Widening, Carlsbad
- Genesee Avenue Widening, San Diego
- Hazard Center Drive, San Diego
- Lindbergh Field Improvement Plans, San Diego
- McDowell Road, Phoenix, AZ
- Mission Road Widening, Fallbrook
- Ocean View Hills Community, San Diego
- Old Coach Road, Poway
- Park Boulevard, San Diego
- Science Center Drive, La Jolla
- Sorrento Valley Road Closure Study, San Diego
- Valley Center Median, Valley Center

Re-Imagine Normal Street

KTUA, in cooperation with the Hillcrest Business Association and several volunteer design professionals, prepared detailed plans for the redevelopment of the Normal Street Corridor from University Avenue to Washington Street, including extensive plans for areas immediately adjacent to the Department of Motor Vehicles building. These plans reclaimed excessive rights-of-way for parkland, special event space, historic interpretive displays and educational elements. The plans include a DMV plaza with driver educational displays, a shade shelter that can also be used for special events, and a courtyard with concession stand lease capability and more permanent facilities for the popular weekly Hillcrest farmers market.

As part of this effort, the group organized a three-day *Re-Imagine Normal Street* event with full-scale creations of some of the proposed improvements, including bike and pedestrian facilities and parklands. The area was programmed with daytime and nighttime activities including concerts, pecha kucha style presentations, movies, yoga classes, food trucks and public art. Visitors were encouraged to learn more about the proposed project and provide comments about their vision for Normal Street.

Services: Complete Street Planning | Streetscape Design | Tactical Urbanism | Completed 2016

SUPPORT SERVICES: GRANT WRITING & MANAGEMENT

Obtaining funding for planning studies and capital projects comes from thoughtfully designing and visioning the project to address the criteria of available grants. Projects that have been designed to offer multiple benefits and sustainable solutions for the requesting agency and the affected community are more likely to receive funding.

KTUA maintains a database of available grants and assists public agencies, non-profit groups and community-based organizations in identifying grants and preparing applications to obtain grant-based funding. Services offered by KTUA include research, grant writing, project justification, mapping, graphic support and the development of project alternatives, schedules and cost estimates. Grants have successfully been obtained from Caltrans, the Strategic Growth Council, SANDAG and the California Coastal Conservancy for projects throughout Southern California. KTUA's capabilities include writing the entire grant to providing services such as mapping and graphic support for our clients.

KTUA's experience in providing grant writing support has resulted in on-call contracts with cities such as Encinitas, National City, Grand Terrace and agencies such as Western Riverside Council of Governments (WRCOG).

Costs for grant writing varies depending on the grant, city or agency participation, and roles of the application process. Assistance can range from \$5,000 – \$10,000, depending on KTUA's grant responsibilities. For example, an entire Active Transportation Grant is roughly \$10,000 where as assisting a city with mapping and analysis support is around \$2,000 – \$4,000.



KTUA Recent Grant Applications California

\$24,338,000

KTUA Grants Funded through Caltrans
(2018 ATP CYCLE-4 GRANT APPLICATIONS)



Grants Written by KTUA	Requested Funding	Year	Funding Source
City of Grand Terrace W. Barton Rd./Mt. Vernon Ave Active Transportation Improvements	\$2,380,000	2018	Caltrans Active Transportation Grant Program
City of Grand Terrace Gage Canal Multi-Use Trail	\$2,910,000	2018	Caltrans Active Transportation Grant Program
City of Hemet Enrich, Grow and Move Hemet	\$6,937,000	2018	Caltrans Active Transportation Grant Program
City of National City 8th Street and Roosevelt Ave. Active Transportation Corridor	\$6,991,000	2018	Caltrans Active Transportation Grant Program
City of Vista Emerald Drive Complete Street Project	\$3,853,000	2018	Caltrans Active Transportation Grant Program
City of Vista Townsite Complete Street Improvements	\$4,177,000	2018	Caltrans Active Transportation Grant Program
	\$24,338,000		



KTUA Gets Projects Funded

California



\$11,336,500 KTUA Grants Funded through Caltrans, Strategic Growth Council and SANDAG

11 of 13
85% Success Rate

Grants Written by KTUA	Requested Funding	Awarded	Year	Funding Source
City of National City Waterfront to Homefront Connectivity Study	\$198,000	\$198,000	2018	SANDAG Active Transportation Grant Program Planning Projects
City of National City Roosevelt Avenue Smart Growth Revitalization Plan	\$2,080,000	\$2,080,000	2018	SANDAG Smart Growth Improvement Project Capital Projects
City of Lake Elsinore ATP Grant	\$245,000	\$175,000	2017	Caltrans Sustainable Communities
City of National City Community Corridor Studies-INTRA Connect	\$330,000	\$330,000	2017	Caltrans Sustainable Transportation Planning
Port of San Diego Chula Vista Bayfront Parks	\$5,000,000	\$4,800,000	2017	Strategic Growth Council Urban Greening Grant
City of Dana Point Doheny Village Sustainable Multimodal Access Plan	\$139,790	no award	2015	Caltrans Sustainable Transportation Planning
Uptown / University Heights Mobility, Safety and Urban Design Plan	\$250,000	\$250,000	2014	Caltrans Sustainable Transportation Planning
City of San Marcos Armorlite Drive Smart Growth Project	\$1,000,000	\$1,000,000	2013	SANDAG Trans Net SGIP
City of San Marcos Livable Streets Design Manual	\$200,000	no award	2013	Caltrans Transportation Planning Grant
City of San Diego Complete Boulevard Mid-City	\$250,000	\$175,000	2013	SANDAG SGIP
City of National City SMART Foundation	\$300,000	\$300,000	2012	Caltrans Community Based Transportation Planning
Ocean Beach Leafing Out Community Forestry Program	\$28,500	\$28,500	2012	CALFIRE Leafing Out Grant Program
City of National City 8th Street Smart Growth Project	\$2,000,000	\$2,000,000	2009	SANDAG SGIP
TOTAL AWARDED	\$12,271,290	\$11,336,500		

KTUA Gets Projects Built

California

\$26,028,000

Grants Awarded Through Caltrans and SANDAG

12 Projects

Funded Since Plans Were Complete

Caltrans

- \$3,759,000 Temecula Santa Gertrudis Creek Ped/ Bike Trail Extension & Interconnect
- \$2,849,000 Moreno Valley Juan Bautista De Anza Trail Gap Closure
- \$3,729,000 Santa Ana Civic Center Bike Boulevard
- \$5,424,000 Santa Ana 5th Street Protected Bike Lanes
- \$4,572,000 Santa Ana First Street Pedestrian Improvements
- \$2,028,000 National City SRTS – Two Projects
- \$375,000 National City El Toyon-Las Palmas Bike Corridor
- \$1,225,000 National City 18th Street
- \$772,000 Desert Hot Springs Palm Drive Bike/Ped Improvements

SANDAG

- \$420,000 Euclid Avenue
- \$875,000 Division Street

COMMUNITY ENGAGEMENT

Challenging projects, whether from a design, environmental or social equity perspective, require input from a variety of stakeholders, including the community, the client and the regulatory agencies. KTUA's goal is to gather public input, analyze the data and respond in a manner sensitive to stakeholder interest and concerns. Creating a forum for discussion, gaining the trust of the stakeholders and sharing information of value with them will result in project success.

An open mind, strong listening skills, and clear, concise information are key to this process. Understanding the best communication tools to encourage participation from our target audience is crucial and will vary from project to project. Public engagement methods utilized by KTUA include workshop facilitation, design charrettes, walk audits, online surveys, websites, newsletters, interpretation, and translation.

No matter how much time and budget is allocated to the team to spend time on-site, site users will be more familiar with the project and environment than we are, and we feel that this input is beneficial to develop practical solutions. Publicizing workshops and community meetings is always a challenge. Different outreach methods work in different communities and demographics. By utilizing a wide range of tools, including social media, websites, emails, door-to-door distributed flyers, and personal invitations in the predominant community languages, KTUA reaches as many potential stakeholders as possible.

OVER 200 WORKSHOPS FACILITATED

- City of National City Downtown Specific Plan
- City of San Diego North Park Urban Design Guidelines
- City of San Diego Morena Boulevard
- City of Manhattan Beach Downtown Specific Plan
- City of Encinitas Rail Corridor Vision Plan
- City of Coronado Bicycle Master Plan
- City of Desert Hot Springs Bicycle and Pedestrian Master Plan
- City of Santa Ana Complete Streets Plan
- City of Moreno Valley Bicycle Master Plan
- City of Eastvale Bicycle Master Plan
- City of Chino Bicycle and Pedestrian Master Plan
- City of Temecula Multi-Use Trails, Bicycle Master Plan and Sidewalk Inventory
- Salinas River Trail Master Plan
- Lemon Grove Main Street Promenade
- Carmel Valley Community Park
- Cabrillo Heights Neighborhood Park
- Leo Carrillo Ranch Historic Park Master Plan
- Breen Park
- Centrum Park
- Sunshine Berardini Park Master Plan
- Fiesta Island Park Master Plan
- Southcrest Trails Park
- La Mesa Parks Master Plan
- Salt Creek Community Park Master Plan

Work Schedule

Thursday 6/2 6-7:30 pm	6:00 - 7:30 pm: Project Introduction and Open House Introduce project, discuss Friday, Saturday and Sunday schedules, and provide input on bicycle, pedestrian, and transit related issues and solutions.
Friday 6/3 2-5 pm	2:00 - 4:00 pm: Walk & Talk Provide input on pedestrian related topics in the Central Santa Ana area. 2:00 - 4:00 pm: Bike Tour Ride corridors and discuss bicycling related topics throughout Central Santa Ana. 4:00 - 5:00 pm: Table Top Provide input of overall issues of Central Santa Ana and specific bicycle, pedestrian, and transit issues.
Saturday 6/4 1-4 pm	1:00 - 3:00 pm: Walk & Talk Provide input on pedestrian related topics in the Central Santa Ana area. 1:00 - 3:00 pm: Bike Tour Ride corridors and discuss bicycling related topics throughout Central Santa Ana. 3:00 - 4:00 pm: Table Top Provide input of overall issues of Central Santa Ana and specific bicycle, pedestrian, and transit issues.
Sunday 6/5 2-4 pm	2:00 - 2:20 pm: Presentation of Findings and Analysis From Previous Day Brief presentation of the input provided from workshops. 2:00 - 4:00 pm: Open House General open house



City of Santa Ana Complete Streets Meeting Materials

About The Project
 The Central Santa Ana Complete Streets Plan is a planning effort funded by Caltrans through the Active Transportation Program. When complete, it will provide guidance to establishing a network of bicycle and pedestrian corridors that connect destinations within Central Santa Ana. For more information, and to stay involved with the project, please visit <http://www.santa-ana.org/completestreets/>

Complete Streets?
 Complete streets are roadways that are designed for everyone. They enable safe and attractive access throughout the city by foot, transit, bicycle and car.

Goals and Objectives
 The City has identified five initial corridors through previous planning efforts that will be the backbone of this project. It will be your job, the residents of Santa Ana, to identify other key corridors and provide valuable feedback on what improvements you would like to see on these streets.

You've Done It Before!
 The Santa Ana Downtown Complete Streets Plan was a huge success last year! The City was awarded over \$9,000,000.00 in grant funds for Complete Street projects in the Downtown area.

Start: Spring 2016 **End:** Spring 2017

For more information please contact Cory Wilkerson, Active Transportation Coordinator
 20 Civic Center Plaza
 Santa Ana, CA 92702
 (714) 647-9643
 cwilkerson@santa-ana.org



GUIDING PRINCIPLES FOR COMMUNITY ENGAGEMENT

- Involve key stakeholders early.
- One person, one vote, one voice - don't let a few takeover.
- Address the issues, especially the difficult ones.
- Build recommendations from the ground up.
- Utilize a logical and sequential decision-making process to gain commitment and identify decisions and actions.
- Listen, process, present with clarity, adjust and seek alignment.

FEDERAL PLANNING: MASTER PLANS AND MILCONS

For more than three decades, KTUA has worked with the federal government to provide comprehensive planning solutions for our men and women in uniform. KTUA's federal planning team uses its extensive experience and specialized knowledge to fulfill today's military mission and tomorrow's needs. Our emphasis on keeping pace with rapid technological change and shifting mission priorities of the military has allowed us to achieve success across a broad spectrum of federal planning support services.

KTUA has master planning and design experience with the Navy and the Marine Corps, providing services for more than 200 planning and military construction projects in the Southwest region, Southeast region, throughout the United States, and into Europe.

PROJECT EXPERIENCE

KTUA has managed the following IDIQ contracts for planning and design services:

- NAVFAC SE Planning IDIQ, 2015
- NAVFAC SW Planning IDIQ, 2014
- NAVFAC SW Landscape Architecture IDIQ, 2011
- NAVFAC SW MILCON Planning IDIQ, 2008
- NAVFAC SW MILCON Planning IDIQ, 2006
- NAVFAC SW Landscape Architecture IDIQ, 2003
- ACOE Los Angeles District Landscape Architecture IDIQ, 2001
- NAVFAC South Planning IDIQ, 2000/2001
- NAVFAC SW Planning IDIQ, 1998
- NAVFAC SW Bachelor/Family Housing Comprehensive Neighborhood Plan IDIQ, 1995

SCOPE OF WORK

- MILCON Planning and Design
- Activity Overview Plans
- Capital Improvement Plans
- Encroachment Action Plans
- Shore Infrastructure Plans
- Functional Plans
- Installation Appearance Plans/
- Base Exterior Architecture Plans
- Master Plans
- Community Plans
- Asset Evaluations
- Comprehensive Neighborhood Plans
- Bachelor and Family Housing
- Special Studies
- Space Utilization Plans
- Basic Facility Requirements
- Design / Build Projects
- Request for Proposals

PROJECT LOCATIONS

- Anti-Submarine Warfare, San Diego
- Camp Atterbury
- Camp Billy Machen
- Camp Michael Monsoor
- Camp Morena, San Diego
- Chocolate Mountains Aerial Gunnery Range
- Eglin Air Force Base
- Fort A.P. Hill
- Fort Chaffee
- Fort Hunter Liggett
- Fort Irwin
- Fort Pickett
- JEB Little Creek/Fort Story
- Joint Base Pearl Harbor/Hickam, HI
- MAGTFTC MCAGCC Twentynine Palms
- Marine Corps Recruit Depot, San Diego
- MCAS Miramar
- MCAS Yuma
- MCB Barstow
- MCB/MCAS Camp Pendleton
- MCMWTC Bridgeport

- NAB Coronado
- NAWS China Lake
- NAS Corpus Christi
- NAS El Centro
- NAS JRB New Orleans
- NAS Pensacola
- Naval Base Coronado
- Naval Base Point Loma
- Naval Base Ventura County
- Naval Base Kitsap
- Naval Construction Battalion Center Gulfport
- Naval Hospital Beaufort South Carolina
- Naval Medical Center San Diego
- Naval Station Great Lakes
- Naval Base San Diego
- Naval Training Center San Diego
- NAVFAC Europe, Naples Italy
- Navy Region South
- Navy Region Southwest
- Navy Support Activity New Orleans
- Nellis Air Force Base
- NSB Kings Bay
- NSCS Athens
- NSU Saratoga Springs
- NSWC Indian Head
- NWS Seal Beach
- San Clemente Island
- Space and Navy Warfare Systems Center San Diego
- Stennis Space Center
- U.S. Coast Guard San Diego

MCAS Yuma Dining Hall



The project utilized a highly efficient, automatic irrigation system that provides a subsurface drip irrigation method to each shrub, succulent and groundcover, with the irrigated area limited to within the root zones of the plants.

The irrigation system is controlled electrically with a satellite irrigation control system and communicates with the Base's irrigation central control system. The irrigation system included design elements and equipment to minimize damage to key components, such as sprinkler heads, controllers, control valves, valve boxes and the backflow preventer.

The MCAS Yuma project has a 150,000-gallon irrigation water parameter. The planting design along with the efficient irrigation system design will stay below that parameter and after four years post installation the Irrigation system will be reduced to 39,159 gallons per year.

The scope of the landscape design included elements to make the outdoor environment more sustainable, comfortable, pleasant and safe, achieve AT/FP setbacks, screen unattractive uses, provide wind protection and a variety of shade methods for relief from extreme heat. These included landscape and rock mulches for erosion control, drought tolerant/native containerized planting for the building entry, plaza, perimeter/interior and streetscape landscape.

Services: Landscape Architecture, Irrigation Design | Design Completed 2016

VISUAL TECHNOLOGY

WEB | GIS TOOLS

KTUA employs web GIS, or tools that allow spatial data to be hosted on the web and shared with users in a variety of formats. Users interacting with web GIS tools are able to view, manipulate and create spatial data for all aspects of transportation and other projects.

SIMPLE MODELING

KTUA leverages their vast library of 3D content as well as the latest procedural modeling tools to rapidly generate realistic 3D representations of projects. 3D models help convey proposed changes to the community and can be used in conjunction with photography and videos to create photorealistic content.

RENDERED MODELING

Enhanced 3D models using advanced rendering applications simulate realistic lighting, shading, reflections and atmospherics. This realistic rendering is typically done towards the end of a modeling process or phase, allowing the model to be illustrated in a photo-realistic manner. The enhanced rendering can be exported as a still image or animation.

PROCEDURAL MODELING

Procedural modeling techniques rapidly generate 3D content based on a set of rules. KTUA most commonly relies on ESRI's CityEngine to perform this type of modeling which uses GIS as the base, and custom CGA scripts to apply extrusions, densities and textures to geographic data. Procedural modeling allows KTUA to quickly generate large areas of 3D content for use in a variety of visualization applications.

VISUAL SIMULATIONS

KTUA develops visual simulations, or photo simulations, that involve the use of various software packages to overlay a 3D model of a proposed design over a high quality photograph of the location. Simulations allow the community more easily to visualize the aesthetic impact of proposed projects.

ANIMATED MOVIES

KTUA captures high resolution photography throughout the life of projects, documenting site conditions, outreach events and tactical urbanism installations. Photographs are most commonly used to illustrate the planning process in reports, and augment 3D models through simulations. Videos are also used to document the life of a project as well as to create realistic fly-throughs of 3D models.



HUD Design Guidelines for Walkable and Bikeable Communities

KTUA created a set of guidelines for elected officials, planning staff, community organizations and other interested parties to promote and create bicycle and pedestrian friendly neighborhoods and communities. The guide includes solutions tailored to small and mid-sized cities (population < 200,000) throughout the nation, particularly those with a high percentage of low and moderate income (LMI) individuals.

The guidelines are graphically-rich and accessible to a range of users. Key components include a discussion of the benefits and barriers of walking and biking; a community self-assessment tool; a planning process guide; design guidelines for land use, streets, intersections, bikeways and pedestrian facilities; an implementation guide; and case studies showing real world examples of pedestrian and bicycle improvements in comparable communities. To ensure the guidelines reflect best practices and the diversity of intended users, a Review Committee – comprising nationally renowned planning experts – provided project oversight.

A comprehensive community self-assessment tool was devised for guideline users to evaluate their community's walkability and bikeability. The tool's greatest strength is its inclusion of a menu of data collection and assessment approaches that allows guideline users to select methods based on level of effort and resources required. This makes the guidelines accessible to a range of users and agencies, irrespective of level of sophistication and/or capacity.

The design guidelines use 3D models, images and other graphics to demonstrate complex concepts, in particular the coordination of different design elements required to create walkable and bikeable places. Design guidelines are presented as succinct written directives, identified by unique codes (e.g. BG-4), and supported by 3D models illustrating the concepts. These codes are intended to simplify implementation and facilitate the funding processes.

Awards: APA San Diego Section

Services: 3D Modeling, Document Branding and Design | Completed 2016

VISUAL IMPACT ASSESSMENTS

National City 8th Street Revitalization



Existing Conditions



Phase 3 Condition



Final Proposed Daytime Conditions



Final Proposed Nighttime Conditions

BEFORE



Existing Conditions

AFTER



Proposed Conditions

Chula Vista Bayfront Master Plan EIR



Existing Conditions



Proposed Conditions

El Camino Real Road / Bridge Widening Project EIR

BEFORE



A coastal access and slope stabilization project for the City of Encinitas along a popular beach waterfront edge. The existing facility had several landslides, excessive erosion and shoreline stability failures. This popular beach for surfers and beach goes includes a parking lot and beach viewing area on top of the bluff and a trail connecting the parking lot with the beach.

BEACONS BEACH VISUAL IMPACT ASSESSMENT

AFTER



The project proposed new trails, slope stabilization and a natural appearing seawall. KTUA completed the visual study and water quality study for the proposed project. The impact study included extensive computer simulations, adjacent viewer analysis and view corridor assessments. Suggested mitigations for the seawall were also included in the project.

RESOURCE MANAGEMENT: MANAGEMENT & CONSERVATION PLANS

HABITAT RESTORATION

- Batiquitos Lagoon Mitigation Monitoring, Carlsbad
- Buena Vista Lagoon Restoration, Carlsbad
- Camino del Rio North, San Diego
- Crestridge Road Crossing Improvement Project, San Diego County
- El Camino del Norte Bridge, Encinitas
- Famosa Slough Enhancement Plan, San Diego
- Forester Creek, Santee
- La Jolla Bluff Restoration, La Jolla
- Malibu Creek Restoration, Malibu
- Moreno Lakeside Pipeline and Lakeside Pump Station Revegetation, Lakeside
- National City Wharf Extension Wetland Mitigation, National City
- Penasquitos Trunk Sewer, San Diego
- Port of Oakland Middle Harbor Enhancement Area,
- Roripaugh Ranch, Temecula
- Rose Canyon Mitigation, San Diego
- Rose Creek Enhancement Plan, San Diego
- San Clemente Canyon, San Diego
- San Dieguito Reservoir, Rancho Santa Fe
- San Dieguito Lagoon Wetland Restoration, San Diego
- Santa Ana River, Orange County
- Sorrento Valley Road, San Diego
- Sycamore Canyon Landfill Wetland Mitigation, San Diego
- Taylor Yard Parcel G-2 Upland Restoration, Los Angeles
- Tecolote Creek Treatment Wetlands, San Diego

RESOURCE MANAGEMENT

- San Diego River Natural Resource Management Plan, San Diego
- Coastal Sediment Benefit Analyses Tool, Ventura, Santa Barbara and San Diego Counties
- Western Otay Valley Regional Park Natural Resource Management Plan
- SANDAG Nearshore Study, San Diego
- San Clemente Island Land Use Compatibility Study
- San Diego County Water Authority Habitat Conservation Program
- UC San Diego Coastal Meander
- Western Riverside County Habitat Conservation Plan, Riverside County
- MCB Camp Pendleton Multiple Species Management Plan

WATERSHED MANAGEMENT

- Rose Creek Canyon Watershed Opportunities Assessment, San Diego
- San Diego River Watershed, San Diego
- Calleguas Creek Watershed, Ventura
- Carlsbad Watershed, Carlsbad
- Santa Margarita Watershed, Escondido
- San Diego Integrated Regional Water Management Plan

STORMWATER/LID

- UCSD Scripps Institution of Oceanography Water Pollution Prevention Program, La Jolla

FIRE MANAGEMENT

- Crest Canyon Fire Management Plan, Del Mar
- San Vicente Area Specific Management Plan, San Diego County
- Rancho Santa Fe Fire Department GIS Support Services, Rancho Santa Fe

LEED/SUSTAINABILITY

- CRES Facility, San Diego Wild Animal Park, San Diego
- Nobel Athletic Area and Library, San Diego
- UCSD Health Sciences Graduate Student Housing, La Jolla
- UC Merced Gardenview Student Housing, Merced
- Marine Corps Base Camp Pendleton Replacement Hospital, Camp Pendleton

WATER CONSERVATION

- Los Angeles National Cemetery Irrigation Feasibility Study, Los Angeles
- Naval Medical Center Water Conservation Study, San Diego
- Water Efficient Landscape Conversion, Nellis Air Force Base, Nevada
- Calsense Irrigation Retrofit at Military Housing Sites, San Diego
- Marine Corps Recruit Depot Grounds Development Study, San Diego
- Landscape Irrigation Water Conservation Policies and Guidelines, Navy and Marine Corps Facilities, San Diego



Simulation of La Jolla Bluff Restoration

VISUAL SIMULATIONS

- Lake Hodges Bike/Pedestrian Bridge
- San Diego Convention Hotel Visual Simulations
- Otay Reservoir Visual Simulations, San Diego
- Washington Street Improvements Visual Simulations, San Diego
- Whitesgate Reservoir Visual Simulation, Riverside

VISUAL STUDIES

- Aldine Drive, San Diego
- Agua Hedionda Pump Station, Carlsbad
- Beacons Beach Trail and Slope Restoration, Encinitas
- Bear Valley Parkway Widening, Escondido
- Carmel Valley Road Enhancements
- Chula Vista Bayfront Master Plan
- El Camino Real Bridge Widening, San Diego
- Entrada Office Building, Culver City
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- Foothill Transportation Corridor South, Orange County
- French Valley Parkway, Temecula
- Interstate 805/Orange Avenue Interchange Widening Visual Impact Assessment, Chula Vista
- Mid-Coast Light Rail Corridor, San Diego
- Museum of Tolerance Expansion, Los Angeles
- Otay Landfill Expansion, Chula Vista
- Miramar Landfill General Development Plan EIR
- San Diego Convention Center Expansion
- San Diego County Water Authority Emergency Storage Project
- UCSD Interstate 5 High Technology Bridge Visual Impact Assessment
- UCSD Medical Center Utility Bridge
- Welk Village Expansion, Escondido
- Willow Street Bridge Replacement Visual Simulations, Impact Assessment and Habitat Restoration, Chula Vista

HISTORIC RESOURCES

- Camp Lockett Framework Management Plan, San Diego County
- La Jolla Cultural Resource Survey
- Naval Training Center Historic District Landscape Design Guidelines, San Diego
- Old Town, San Diego
- Leo Carrillo Ranch Historic Park, Carlsbad
- Rancho Los Cerritos, Long Beach
- Kumeyaay-Ipai Interpretive Center, Poway
- Marine Corps Recruit Depot Historic District Landscape Master Plan and Base Exterior Architecture Plan, San Diego
- NSA Monterey Roman Pool Alternatives Analysis Study, Monterey
- Naval Station Great Lakes Base Exterior Architecture Plan, Illinois
- Naval Air Station Pensacola Base Exterior Architecture Plan, Florida