

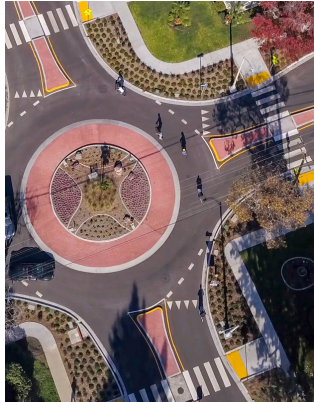


Roundabout Design & Analysis

Our Mission

Create a **safe, accessible, sustainable** transportation environment that embodies diversity, equity and inclusion for future generations

Experience



CITY OF LONG BEACH

Daisy Bike Boulevard

Providing a critical north-south connection for multiple neighborhoods across the City, this 10-mile bikeway stretches from Downtown Long Beach all the way to North Long Beach. KOA conducted a feasibility study and prepared the design plans, specifications, and cost estimates (PS&E) for the entire project corridor. Traffic calming and multimodal improvements included roundabouts, mini traffic circles, pedestrian refuge islands, bicycle detectors, and other greenway facilities. The four roundabouts designed by KOA are located at: Myrtle Avenue at Harding Street, Linden Avenue at Bixby Road, Linden Avenue at Harding Street, Myrtle Avenue at 70th Street.



CITY OF VISTA

Vale Terrace Dr & Ponderosa Dr

Located along a primary walking and biking route for students to a nearby school, the City's roundabout implementation at this location was prompted by parent concerns on high traffic speeds along the corridor. KOA provided a horizontal layout and typical section for the roundabout design to complement existing traffic calming features. We evaluated design vehicle turning templates, assessment of design speeds for entering, circulating, and exiting vehicles, and also prepared the signing and striping plans for the roundabout design.



CITY OF LOS ANGELES, DEPARTMENT OF TRANSPORTATION (LADOT)

SRTS Pop-up Roundabouts

Based on parent feedback on traffic safety around Leo Politi Elementary School, KOA proposed, designed, and led the installation of temporary countermeasure treatments as part of a one-day community demonstration. KOA coordinated with LADOT staff to temporarily replace a signalized intersection with curb extensions and a roundabout. Tires and paint marked the curb extension footprints while straw wattle, hay bales, and tempura paint outlined the circle at the roundabout location.



CITY OF LONG BEACH

Vista Street Bike Boulevard

KOA developed the project concept, led public workshops, and prepared final plans and specifications for Long Beach's Vista Street Bike Boulevard. Urban compact roundabouts were provided at important select cross-streets. "Seattle-style" neighborhood traffic circles were designed at prior all-way stop intersections and other locations. Two roundabout locations include: Vista Street at Park Avenue, Vista Street at Ximeno Avenue.



CITY OF BIG BEAR LAKE

Moonridge Road Complete Streets Project

KOA assisted the City of Big Bear Lake in the redevelopment of Moonridge Road, a commercial corridor that connects the mountain to the lake. The 2,200-foot-long Complete Streets project included the design of two travel lanes in each direction, a dedicated Class I bikeway, signature roundabouts on each end of the corridor, on-street parking, enhanced bus stops, wide sidewalks, parkway landscaping, and overall street light design. One signature roundabout is oval-shaped while the other was uniquely designed to resemble a dog bone. Construction on the \$8.6 million project was completed in November 2022.

Additional

Concept Design

- UCLA - Bellagio Dr & Krieger Dr
- City of Pasadena - North Hill Ave Complete Streets Project
- City of Pasadena - Ave 64 Complete Streets Project

Planning

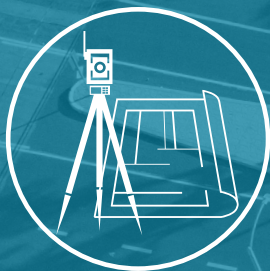
- City of Fillmore - Roundabouts Review
- City of San Diego - Pershing Dr & Redwood St Roundabout Study

Design

- City of Desert Hot Springs - Palm Dr & Pierson Blvd
- City of Downey - Cherokee Dr & Brookshire Blvd
- City of Imperial Beach - Roundabout Demonstration
- City of La Quinta - Village Roundabouts
- City of Pasadena - Mountain St & Sinaloa Ave
- City of Vista - Townsite Complete Streets
- City of Wildomar - Grand Ave Bike & Multi-Purpose Trail Improvements
- County of Los Angeles - Mines Blvd & Gretna Ave

Review

- City of Imperial - Roundabout Plan Check



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