



Project Title: Code the Curb

Location: Los Angeles, CA

Timeline: September 2023 - December 2025

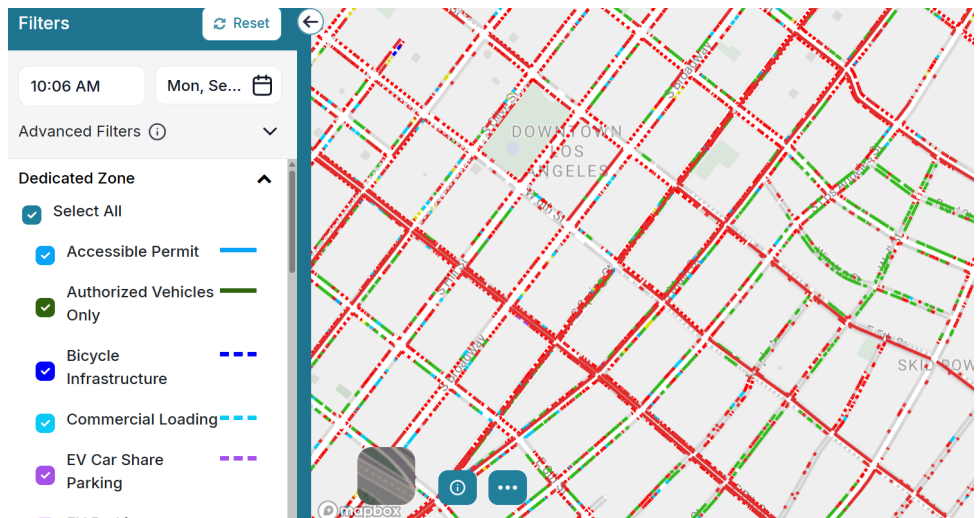
Pilot area: Downtown LA

Problem Statement

The Code the Curb effort is critical ahead of the 2028 Olympics, which will bring over 15,000 athletes to compete in over 800 sporting events in Southern California. Dynamically managing curb space will be necessary to facilitate safe and accessible modes of transportation throughout the events. The Crypto.com arena (formerly Staples Center) and neighboring sports venues in and around DTLA will be on the global center stage, creating an opportunity to showcase this effort.

Project Overview

This project aims to improve management of the curb lane by dynamically pricing and managing the curb's availability in real time. These assets include some 34,000 single-space parking meters, 220 multi-space pay stations, 1 million street signs and curb paint as a regulatory tool that covers 7,500 centerline miles of streets in the City of Los Angeles. The digital platform integrates surveyed curbside data, demand analysis, and third-party City software data sources. The goal of the project is to reduce congestion and optimize curb use in high-demand areas downtown, leading to better traffic management, more effective use of parking and loading zones, and ultimately a more accessible and efficient urban environment.



How did you select the study area?

The proposed project location is focused on Downtown Los Angeles, a mid-sized community of 25 Census tracts covering 5.9 square miles and with a total population of 60,000 according to the 2020 Census. This area includes a high concentration of multi-functional curb spaces and the opportunity to drive economic growth through improved curb access.



Technology Partners and Outputs

Purpose	Details	Vendors	Key Stats
Create a digital curb inventory in CDS	Obtain a curb inventory layer	 CurblQ	200 curb miles mapped and digitized

How was CDS used in this project?

- Converting all curb inventory assets into CDS format via CurblQ and making publicly available via the LADOT website

Key Challenges

- LA used manual surveying of curbs which required CurblQ to send out employees to capture all the data required for the project. This was time consuming and posed safety risks to surveyors while out in the field.
- Once the data had been collected the City conducted several manual checks to ensure that data was accurate. Long term this process may prove to be too consuming and costly, thus making it difficult to maintain an accurate curb data inventory.. It is unclear how long the current dataset will remain useful if the City is unable to continuously update.

Key Learnings

- Having all the data into a single repository has been incredibly helpful. We've found it much more useful as an internal resource to understand curbs within the Downtown neighborhood. A number of folks from various review teams have used it as a resource to check data from the field.
- LA is working to align other datasets used for asset management with CDS so that when there is a citywide asset management system up and running, there is an easier time of extracting and creating CDS-formatted data. This effort will provide a streamlined data flow and ensure a more holistic view of city operations.

What's Next?

LA will continue to build out digital tools across the city to utilize as they prepare for the LA Olympics in 2028.

Quick Links

CurblQ map <<https://ladot.curblq.io/public-default/> >