

# Parking and Curb Management



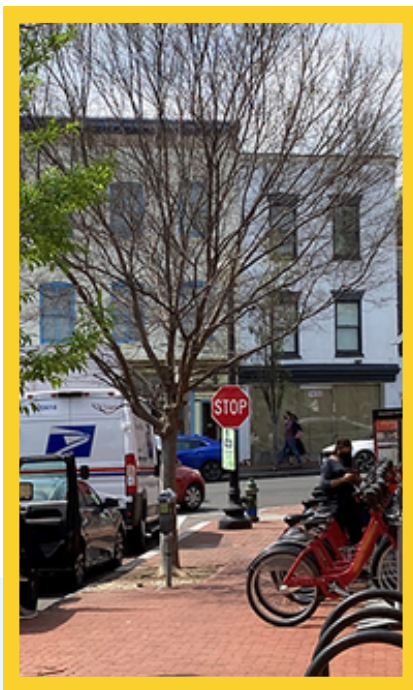
Parking and curb management is the dynamic management of parking and curb facilities to optimize performance and utilization. This includes coordination between parking facilities, traffic management systems, and transit. It also includes considerations for pedestrians, micromobility users, and transit operators ([FHWA-PARK](#)) ([FHWA-CURB](#)).

## HOW IT WORKS

Parking and curb management strategies are used to monitor and manage parking and curb facilities to help maximize transportation infrastructure investments, reduce congestion, improve safety, and optimize curb productivity. This could be accomplished by using pricing strategies, phone applications for reservations, charging stations, and more.

## BENEFITS

Effective parking and curb management improves parking capacity, decreases time spent searching for parking, and reduces congestion.



Source: FHWA

- In Los Angeles, a demand-based pricing strategy as part of the city's parking management system led to a 37 percent reduction in parking duration downtown ([2024-B01821](#)).
- In San Francisco, the implementation of demand-based pricing for parking management resulted in a 43 percent decrease in time searching for a parking space and a 30 percent decline in greenhouse gas emissions ([2024-B01818](#)).
- In Washington, DC, a curbside delivery reservation system decreased double parking and illegal U-turns by 64 percent ([2019-B01420](#)).
- In Maryland, automated parking technology allowed vehicles to park as close as 10 centimeters to adjacent cars, leading to a possible 20 percent expansion in parking capacity ([2022-B01639](#)).

## Essential Intelligent Transportation Systems (ITS)

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