

# Chapter 16

## Bikeway Support Facilities Guidelines

### 16.1 INTRODUCTION

The Bicycle Support Facilities Guidelines are intended to assist site designers and developers implementing the City's goals to encourage alternative modes of transportation, improve air quality, reduce greenhouse gas emissions, and improve health and physical fitness for residents. This Chapter provides guidance for including bicycle parking to support sustainable development practices throughout Santa Ana.

While short term bicycle parking (bike post or rack) are more common, opportunities for long term bike parking (bike lockers) are also encouraged, as appropriate.



Figure 16-1: Example of “Wave” bike rack providing five bicycle parking spaces.

### 16.2 GENERAL DESIGN OBJECTIVES

The objectives of these guidelines are to encourage well designed development with appropriate site amenities to support traveling by bicycle, that:

- Provides bicycle parking at popular destinations, key activity locations, attractions and other points of interest.
- Incorporates bicycle parking in the design of new and rehabilitated development projects.
- Includes site furniture, such as bicycle racks and lockers that complement the aesthetic character of the site.



### 16.3 SITE PLANNING, COMPATIBILITY & LOT DESIGN

Bicycle parking should be located as close as possible to the main entrance of the building. In addition, the following site design and placement guides should be considered:

- Locate bicycle parking facilities so they will not obstruct pedestrian and auto traffic.

- Provide a physical barricade such as a curb, bollard, landscaping or other type of safety measure between bicycle and vehicle parking areas.

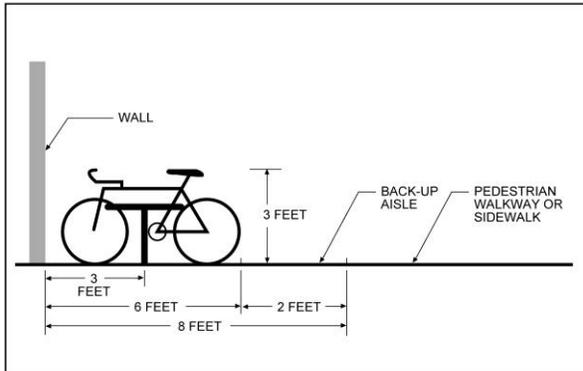


Figure 16-2: Elevation showing separation between bicycle parking and pedestrian walkways

- Highly-visible, well-lit bicycle parking should be securely mounted to the ground.
- Short term parking should consist of bicycle racks that enable the frame and one or both wheels to be secured with a user supplied cable for U-lock.
- Bicycle racks and lockers should complement the aesthetic and architectural character of the site.



Figure 16-3: Example of bicycle parking mounted to the ground.

- Bicycle post or rack should be of durable material, such as stainless steel.
- The standard bicycle parking dimension should be a minimum six feet in length, with a width ranging from one to two feet. In addition, there should be sufficient space around the bike rack to make use possible.
- The bicycle space or rack should provide a minimum back-up area of two feet that should be clear of all pedestrian and vehicular paths.

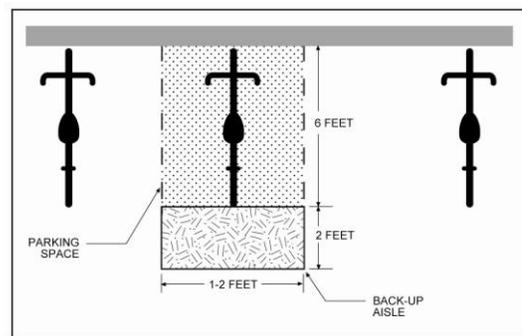


Figure 16-4: View of the back-up area for bicycle parking.