LONG-TERM BIKE PARKING
LEAGUE OF AMERICAN BICYCLISTS
BIKELEAGUE.ORG

SINCE 1880...

Our mission is to lead the movement to create a Bicycle Friendly America for everyone.
More Businesses Across US Designated Bike-Friendly

RI Public Radio Named A Bicycle-Friendly Business By The League Of American Bicyclists

The League of American Bicyclists announced its latest round of bicycle-friendly business designations last week, recognizing 400 new and renewing companies in cities across the country.

NAIPTA Named a Silver Bicycle Friendly Business

NAIPTA press release: "NAIPTA has been named a Silver Bicycle Friendly Business by The League of American Bicyclists. This recognition is a testament to our organization's commitment to promoting sustainable transportation options and creating a welcoming environment for cyclists on the I-25 corridor."
Growth in U.S. Bicycle Commuting

Percentage of residents commuting by bike, 1990-2014

**BICYCLE FRIENDLY COMMUNITIES (BFC)**

70 LARGEST U.S. CITIES

**U.S. AVERAGE**
NON-BFCs

Data: American Community Survey | BFC & non-BFC averages based on subset of 70 largest cities
BFA APPLICATION CRITERIA

The Five E’s:
» Engineering
» Encouragement
» Education
» Evaluation & Planning
» Equity, Diversity, & Inclusion
SECURE BIKE PARKING

APBP Bike Parking Guidelines:
https://www.apbp.org/bicycle-parking-solutions
END-OF-TRIP FACILITIES
EDUCATION & ENCOURAGEMENT
ACCESSIBILITY

Let's ride! 2.2 miles  1.6 miles  0.9 miles

The League of American Bicyclists
LEARN MORE...

» About the League and other programs:
  » bikeleague.org

» About the BFC Program:
  » bikeleague.org/community

» About the BFB Program:
  » bikeleague.org/business

» About the BFU Program:
  » bikeleague.org/university

» Apply today:
  » apply.bikeleague.org

Upcoming Application Deadlines:
  » BFU: October 1
  » BFB: October 5
Overview

- What makes a good bike rack?
- Key elements of excellent long-term bike parking facilities
- Common pitfalls
- Proper layouts for bike rooms
Short-Term
(Less than two hours)

Long-Term
(More than two hours)
What makes a **good bike rack**?

- Stability of the rack
- Two points of contact with the bicycle
- Security and Ease of Use
Amenity Afterthought
Site Considerations

• Street level
• Near building entrance and elevators
• Safe
• Convenient
• Welcoming
Bike Rack Types

**HORIZONTAL**

"Traditional-use" bike parking that is easily-accessible with a bike’s two wheels on the ground. These racks are highly versatile.

**VERTICAL**

"Max capacity" bike parking saves space on the ground by pivoting the bike onto its rear wheel and lifting to the hook.

**TWO-TIER**

"Premium" bike parking that offers the space-efficiency of vertical racks and the broader accessibility of horizontal racks.
Horizontal Parking
Vertical Parking
Two-Tier Parking
Lockers and Shelters
Installation Surfaces

Concrete
Dirt/Mulch/Grass
Tile/Asphalt/Pavers
Wall Material

Concrete Block (SLEEVE anchors)

Poured Concrete (WEDGE anchors)

Wood Stud (LAG SHIELD anchors)
Auxiliary Items

- Pump and Tools
- Storage
- Signage
- Maps and Messages
- Pump and Tools
- Seating
- E-Bike Charging
- Wash Stations
1. How many bikes parked?

2. Where's the location of the facility versus the desired destination of people using it?

3. What's the budget?

4. Security measures

5. Space description
   - Obstructions
   - Doorways
   - Room measurements
   - Ceiling height
Include bikes in your layouts!
Include bikes in your layouts!

Not enough aisle space
Optimizing Capacity and Space Use

Horizontal

Vertical
Room to Move

- Single aisle is the simplest layout
- Employ a mix of bike parking types to accommodate as many bikes and people as possible
- Work from a design that can be scaled over time if needed (tight budget)
- Amenities (variable): maintenance station; bench; storage locker; signs; shower bathroom; ART
- Floor AND MEP layouts need to be clear
Consider All Users

Different Spokes  Different Folks
ADA Compliance

Post Mounted Objects

12” maximum overhang when located between 27” and 80” (vulnerability zone) above the finish floor

Source: United States Access Board
ADA Compliance

Limits of Protruding Objects  307.2

“Shoreline” & Circulation paths

Objects mounted on walls, partitions, columns, and other elements can pose hazards.

Source: United States Access Board
ADA Sample Layout
Quality Standards
Quality Standards

Parksmart
Quality Standards

Local Ordinances
Common Pitfalls

- Not enough parking options
- Not enough aisle space
- Insufficient lighting
- Poor access
Due Diligence

- How well are vendors able to provide guidance about their products and the choices associated with them?
- Warranty terms?
- Control of manufacturing?
- Value added services like CAD layouts and access to common file types of products to easily upload in the design phase of your projects?
- Do the people designing and selling the bike racks use bikes for transportation?
- Videos that demonstrate how some of the more complex systems function?
Example Project

Ponce City Market
Atlanta, GA

- Mixed use development
- Horizontal and vertical
- Horizontal, tiered
- Public, bike valet, and reserved

Photo: CamdenLiving.com
Example Project

Green Building Alliance
*Pittsburgh, PA*

- Dream Bike Room
- Whimsical & Fun
Example Project  
Trek Development  
Pittsburgh, PA

- Bold Signage
- Repurposed shipping containers
- Public Parking
Looking to the Future
Resources

• Bicycles at Rest – www.bicycleparkingonline.org

• Victoria Transportation Policy Institute - http://www.vtpi.org/tdm/tdm85.htm

• Essentials of Bike Parking – www.apbp.org


• Dero Bike Room Design Guide – https://www.dero.com/bike-room-design-guide/

• San Francisco Planning Department – http://sf-planning.org/bicycle-parking-requirements

• Pittsburgh Department of Planning - http://pittsburghpa.gov/dcp/bicycleparking

• Look for Master Plans in the region you’re working to learn more about the communities vision for the role of bikes in mobility. Bike parking goes hand in hand with mobility plans.
Questions