

A decorative border surrounds the page, featuring a repeating pattern of stylized bicycle riders in various colors and poses, set against a light blue background with a wavy pattern.

Bicycle Rack Guide

for offices and businesses

*“I would ride my bike more
if there were a safe place to park it . . .”*

*increase your business -
relieve traffic congestion -
encourage healthy living -
please your bike-riding clients
and employees -
keep more parking spaces for cars -*

Where do you park your bike?



Produced by the
Calumet Citizens for Connecting Communities (C4)

In conjunction with the
Northwestern Indiana Regional Planning Commission

Most Recommended...

The Inverted "U"

- This rack will:
 - Allow two bicycles to be secured, one on either side;
 - Support the bicycle upright by its frame in two places;
 - Prevent the wheel of the bicycle from tipping over;
 - Enable the frame and one or both wheels to be secured;
 - Support bicycles without a diamond-shaped frame with a horizontal top tube (e.g. a mixte frame).
- Allow front-in parking: a U-lock should be able to lock the front wheel and the down tube of an upright bicycle.
- Allow back-in parking: a U-lock should be able to lock the rear wheel and seat tube of the bicycle.
- This rack should be securely anchored or bolted to an underlying medium
- The Inverted "U" will provide easy, independent bike access and can be mounted in a row on no less than 30" centers. This allows enough room for two bicycles to be secured to each rack element. Normally, the handlebar and seat heights will allow two bicycles to line up side-by-side if one of them is reversed.



Other recommended designs:



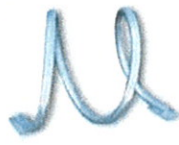
Vintage



Ring Post



Bollard



Spiral Ring

When considering your installation remember that no rack should create a tripping hazard for individuals! Install away from curbside and allow at least 8 feet for pedestrian travel. Think about weather protection, long term and employee parking, and visibility and access.

	<p>Comb, toast, schoolyard, and other "wheelbending" racks that provide no support for the bicycle frame are NOT recommended. Any rack should resist being cut or detached using common hand tools, especially those that can be concealed in a backpack. Such tools include bolt cutters, pipe cutters, wrenches, and pry bars.</p>
	<p>Wave style racks are discouraged. Bicyclists commonly use a "wave" rack as if it were a single inverted "U." This limits the actual capacity of the rack to two bikes regardless of the potential or stated capacity. Bicycles parked perpendicular to a wave rack (as intended by the manufacturer) are not supported in two places and are more likely to fall over in the rack. <i>The advertised capacity of a wave rack is usually much higher than the practical capacity.</i></p>

Some municipalities have enacted ordinances making it illegal to lock bicycles to trees, fire hydrants, or handrails, or to leave them locked in a public location for more than 12 consecutive hours. In most instances these same municipalities have also provided fairly rigid guidelines and economic access to properly designed bicycle parking racks so that bicyclists will experience uniformity and convenience for the security and protection of their bicycles. Some have even gone to such lengths of encouragement as to provide standardized parking racks at little or no cost to the business owner (www.spaceshare.com/bikeracks/oakland.php). Area Chambers of Commerce should take strong note of this in areas where bike paths are heavily in use or are proposed for the overall commercial health of the neighborhood and greater region.

Typical Placement Standards for Bicycle Racks

Measurements

- Footprint: 6' long x 2½' wide (the "footprint" is the area occupied by a bicycle when it is parked at the rack)
- Rack: 36" tall x 21" wide

Location Details

- Commercial district
- On public property
- With business owner's permission
- On a flat concrete sidewalk
- Sidewalk must be free from cracks or other damage



Clearance

There should be a minimum of 5½' clear for pedestrian right-of-way outside the footprint; 7' in areas of heavy pedestrian traffic. Rack should be located a minimum of:

- 5' from** Fire Hydrant
- 4' from** Loading Zone, Disabled parking, Curb/Curb ramps, Crosswalk
- 3' from** Newspaper Racks, Mailbox, Sign Pole, Bus Benches, Trash Cans, Other sidewalk obstructions
- 30" from:** light pole
- 18" from:** the curb



Long-term Bicycle Parking

The simplest and most common way to provide long-term parking is to allow bicycles to be brought and stored inside the workplace. When this is not possible and bicycles must be left unattended for more than two hours, a high level of security and weather protection is desirable. Long-term parking solutions include:

High security rack:

Rack with moving parts that secures the bicycle frame and both wheels with a single lock.

Bicycle lid or rocker:

Hard plastic shell, hinged at the base, which securely encloses the bicycle.

Bicycle room:

Locked room for storing bicycles, often with an access key or combination lock.

Bicycle "cage":

Fenced area enclosing parked bicycles, often with an access key or combination lock.

Bicycle locker:

Fully enclosed container typically rented or leased to a cyclist. Lockers offer a high level of security and weather protection.

Model Bicycle Parking Ordinance

Many cities have incorporated bicycle parking ordinances making satisfactory bicycle parking compulsory and standardized. This is by far a better solution than relying on voluntary compliance. Some cities which have successfully implemented bicycle parking ordinances are Chicago, Santa Cruz, and Madison. See www.geocities.com/calumetcitizens/ordinance.html for a model bicycle parking ordinance.

Other Worthwhile Points to consider for bicycle owners...

- Check with your local police department for specific regulations regarding the owning and using of bicycles:
 - a. Register and License your bike in any community you'll be riding in; if there's no local provision for doing so, check with a local bicycle club or encourage the local community to put such a program in place.
 - b. Keep, for yourself, a clear record of when and where you purchased it, the price, the color, style, brand, model, and serial number (often found on the underside of the frame by the crankshaft) in a safe and easily remembered place (I keep mine in both a computer file and my Planner).
 - c. Do any of the communities you'll be riding in or through have regulations about bicycle use and parking? Check, before you ride!
- If practical, carry an extra wheel tube and patching kit with you and a small, lightweight set of tools (*Topeak makes several types*) for small adjustments and repairs. Purchase and carry two hard-plastic levers designed for removing a tire from its rim (*don't use screwdrivers!*)
- Keep a cell phone handy *and only use it when stopped*. Keep a list of important phone numbers as well.
- Be sure to carry some small change for compressed air, water, pay phones, etc.
- Keep an area map with you, especially one that shows the local biking routes and trails – many are downloadable from the Internet (www.cc4cc.org for NW Indiana!).
- If you have the room, keep a compact hand air pump for keeping your air pressure up. There are CO₂ charged types available that minimize effort.
- Most important! Always carry and use a U-lock, O-lock, or square link heavy chain in combination with a high quality lock.

Make it a habit to lock and secure your bike even though you may only be a few feet away or only a minute from your bike, and lock it through the wheel and frame to a sturdy, fixed bike rack. Remove and take with you any easily detachable items such as cell phone holder, speedometer/computer, etc.

The Indiana Law *excerpts from Indiana Code*

9-21-11-2 Riding on roadways; rights and duties

Sec. 2. A person riding a bicycle upon a roadway has all the rights and duties under this article that are applicable to a person who drives a vehicle, except the following:

(1) Special regulations of this article.

(2) Those provisions of this article that by their nature have no application.

9-21-11-5 Hitching rides on motor vehicles or street cars

Sec. 5. A person upon a bicycle, a coaster, roller skates, or a toy vehicle may not attach the bicycle, coaster, roller skates, or toy vehicle or the person to a street car or vehicle upon a roadway.

9-21-11-6 Riding two abreast

Sec. 6. A person riding a bicycle upon a roadway may not ride more than two (2) abreast except on paths or parts of roadways set aside for the exclusive use of bicycles.

9-21-11-7 Carrying articles

Sec. 7. A person who rides a bicycle may not carry a package, a bundle, or an article that prevents the person from keeping both hands upon the handlebars.

9-21-11-8 Bells or other audible signal devices

Sec. 8. A person may not ride a bicycle unless the bicycle is equipped with a bell or other device capable of giving a signal audible for a distance of at least one hundred (100) feet. A bicycle may not be equipped with and a person may not use upon a bicycle a siren or whistle.

9-21-11-9 Lamps and reflectors

Sec. 9. A bicycle operated on a highway from one-half (1/2) hour after sunset until one-half (1/2) hour before sunrise must be equipped with the following:

(1) A lamp on the front exhibiting a white light visible from a distance of at least five hundred (500) feet to the front.

(2) A lamp on the rear exhibiting a red light visible from a distance of five hundred (500) feet to the rear or a red reflector visible from a distance of five hundred (500) feet to the rear.

9-21-11-10 Brakes

Sec. 10. A bicycle must be equipped with a brake that will enable the person who operates the bicycle to make the braked wheels skid on dry, level, clean pavement.

9-21-11-11. Traffic regulation and requirements

Sec. 11. A person who operates a bicycle upon a highway shall observe the regulations and requirements of this article.

Related Internet Links

www.cc4cc.org
www.parkabike.com
www.bicyclinginfo.org/de/parkguide.htm
www.cycle-safe.com/VintageRacks.tab.aspx
www.madrax.com
www.bikeparking.com
www.bikeparking.com/crankcasesecurityrack
www.bikeup.com
www.bikerack.com/index2.htm
huntco.com
www.dero.com/custom.html
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www.sarisparking.com
www.cora.com/bikeparking.htm
www.cyclesportandfitness.com/parking_rack.htm
www.theparkcatalog.com/bikerack1.html
www.creativepipe.com/bicyclestorage.html
www.ci.austin.tx.us/bicycle/pwbirack.htm

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