COVERED BIKE PARKING

9/22/16
<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
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<tbody>
<tr>
<td>Weather protected</td>
<td>Protected from snow, rain, and/or direct sunlight.</td>
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<tr>
<td>High capacity parking</td>
<td>Space efficient bike parking, in vertical or stacked configurations.</td>
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<td>Long term parking</td>
<td>Secure parking for overnight storage.</td>
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<tr>
<td>Key controlled access</td>
<td>Access to an enclosed room, cage, or structure, controlled by user assigned keys.</td>
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<td>Low visibility</td>
<td>Bikes stored in a location with limited or no visibility to the public.</td>
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<td>Video monitoring</td>
<td>CCTV monitoring for additional security.</td>
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<td>Staffed monitoring</td>
<td>The parking area is staffed by an attendant who provides security. Staffed areas may also offer maintenance/repair services.</td>
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<tr>
<td>Shower facilities</td>
<td>On site facilities for showing and changing. May also include locker space.</td>
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BIKE STATIONS

Proposed bike station at NJ TRANSIT Summit Station, Summit, NJ

Left: Bike depot at NJ TRANSIT Bay Street Station, Montclair, NJ

Bike station at Union Station, Washington, DC

Walled or partitioned enclosure with key controlled access

Freestanding structure or a walled enclosure within a building

Offers high capacity parking and secure long term parking

Can accommodate value added services such as bicycle repair, shower facilities, locker rentals

Cost varies from $35,000 (36 bikes) per structure, up to $4.5 million (100+ bikes, with added services)

Top: Bike depot at NJ TRANSIT Bay Street Station, Montclair, NJ

Left: Proposed bike station at NJ TRANSIT Summit Station, Summit, NJ

Right: Bike station at Union Station, Washington, DC
Caged enclosure with key controlled access

Freestanding structure or an enclosure within a building

Offers high capacity parking and secure long term parking

Costs start from $3,000 for a 12’ x 16’ cage and locking door

Costs are comparable to a bike station if a freestanding structure is needed

Left: Bike cage in apartment building, Mountain View, CA

Left: “Parkiteer” bike cage, Victoria, Australia

Right: Bike cage at transit station, Calgary, Canada
Individual parking spaces covered on all sides, accessed by a key controlled door

Commonly found in a rectangular configuration (2 bikes) but also in pie shapes or vertical configurations (1 bike)

Offers secure long term parking

Locker contents are not visible to public view

Top: Lockers at NJ TRANSIT Metropark Station, Metropark, NJ

Left: Pie shaped bike locker by Dura Bike Locker

Right: Vertical bike locker by Madrax
Similar to traditional lockers, parking spaces are covered on all sides and accessed by a key controlled door/lock.

Offers secure long term parking.

Locker contents are not openly visible, but may have vents or mesh to allow security and maintenance personnel to see inside.
Roof/canopy, or roof/canopy in combination with walls

Offers protection from rain, snow, and direct sunlight

Easy to access and use - no keys or registration required

Top Left: Bike shelter with vertical bike racks
Top Right: Bike shelter at NJ TRANSIT Atco Station, corrugated metal roof

Bottom Left: Bike shelter with vertical bike racks
Bottom Right: Vertical bike locker by Madrax
If located under an existing overhang or overhead structure, standard bike racks can offer weather protection

Easy to access and use - no keys or registration required

Left: Bike racks under pedestrian overpass at NJ TRANSIT Ramsey Rt. 17 Station, Ramsey NJ

Right: Bike racks under station overhang at NJ TRANSIT Ridgewood Station, Ridgewood, NJ
### Feature Comparison

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- **Standard feature**
- **Optional feature**
"New Jersey Bicycling Manual"
NJDOT
www.state.nj.us/transportation/commuter/bike/pdf/bicyclingmanual.pdf

"NJ TRANSIT Bike Aboard Program"
NJ TRANSIT
www.njtransit.com/bikesontrains

"Bicycle Parking: Standards Guidelines, Recommendations"
San Francisco Municipal Transportation Agency

"Essentials of Bike Parking"
Association of Pedestrian and Bicycle Professionals

"Bicycle Parking Solutions"
Transportation Alternatives
www.transalt.org/sites/default/files/issues/bike/bikeparking.pdf
QUESTIONS?

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