

The Next Generation of Bike Racks



Washington Regional Bike and Pedestrian Subcommittee Presentation

Why are we here

- Developed Innovative Bike Rack System
- Crafted Bike Share System to Meet Increased Demand
- Local / National Program
- Offsetting Carbon Vehicle Related Emissions
- Increase Bike Ridership

Existing Bike Ridership Issues

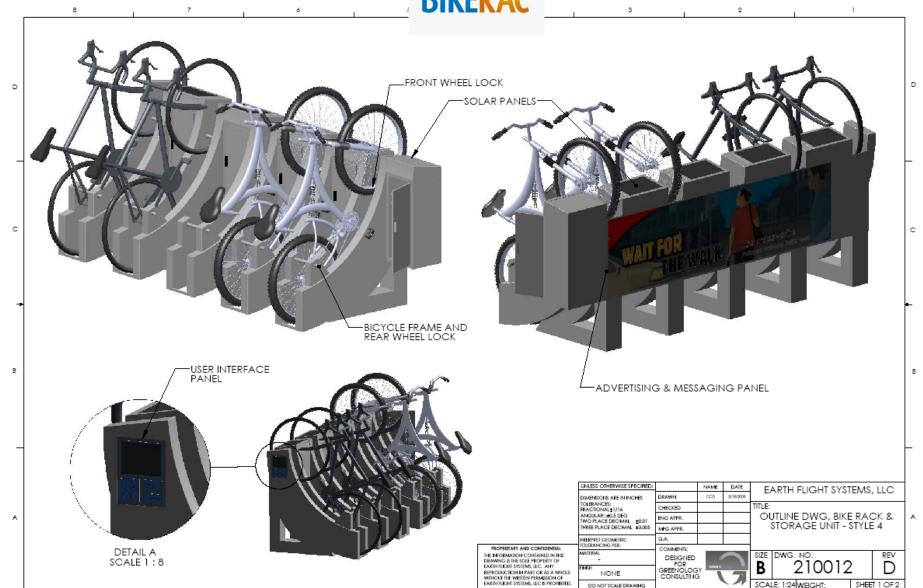
- Common Biking Complaints
 - Wheel/frame/seat being stolen
 - Have to carry helmet/shoes/seats
 - Not enough room to lock bike
 - Hazard to other structures where bikes commonly locked









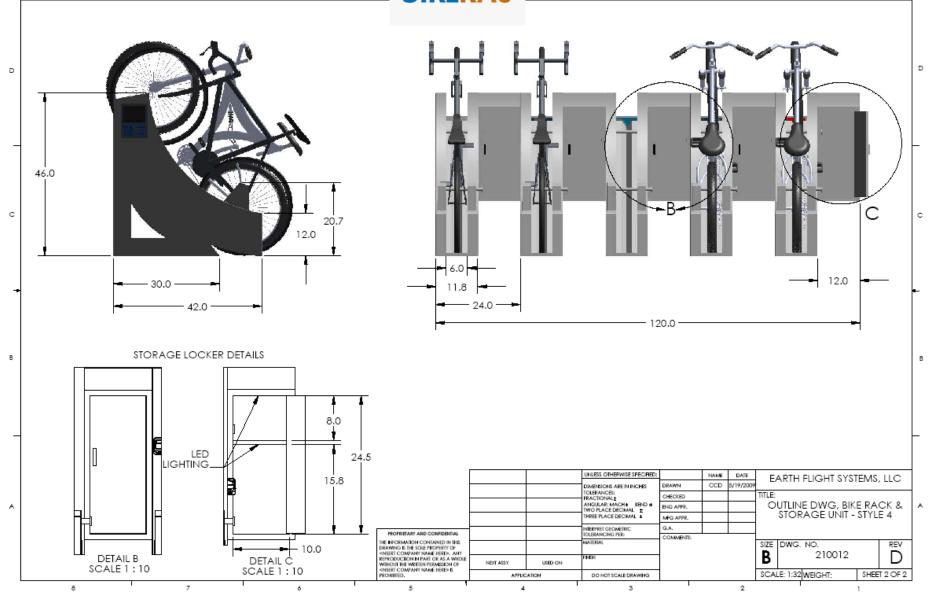


SCALE: 1:24 WEIGHT:

DO NOT SCALE DRAWING 3

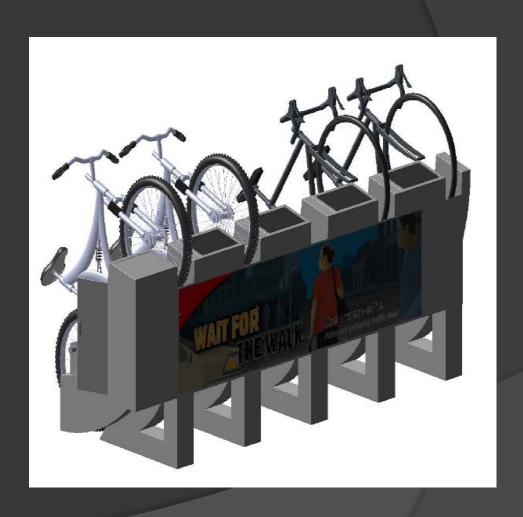
SHEET 1 OF 2





System Features

- Front wheel lock
- Rear wheel and frame lock
- Solar powered
- Advertising panel
- User-friendly interface panel
- Personal storage locker
- Modular
- Built in security camera



Additional System Features

- High traffic, highly visible locations
- BIKERAC location tools
 - iPhone app
 - Google maps
- Sign-up online
- Full maintenance
 - No-hassle to user
- Free bike parking for law enforcement
- Car parking tickets



Bike Share - Bicycles

- Strengths
 - Aluminum Frame
 - Full Fenders
 - Powerful hand brakes (drum brakes)
 - Integrated lights (dynamo)
 - Adjustable, but nonremovable seat
- Weaknesses
 - Front rack design





Bike Share - Planning

Strengths

- Phased rollout program with sufficient density
- Cycling safety campaign pre-launch
- Weaknesses
 - Bicycle redistribution insufficient
 - Theft and vandalism issues





Bike Share - Advertising

- Strengths
 - On-bicycle advertisements provide additional revenue
 - Same bicycles used in velib' program





Bike Share - Operations

- Weaknesses
 - No weekly or daily passes available
 - Limited use hours on weekdays
- Recommended:
 - First 30 minutes free
 - Accessible 24/7





Bike Share – Present Needs

- Sufficient Density
- Greater Participation
 - Tourists, Commuters, Errand Runners







Bike Share – DCycles

Bike

- Aluminum Frame
- Wide, puncture resistant tires
- Rear storage solution
- Always-on lighting
- Integrated diagnostic tools
- Adjustable, nonremovable seat
- Powerful drum brake
- 3 speed gear





Bike Share – DCycles Cont.

- Sources of Revenue
 - Subscription Fees
 - User Rental Charges
 - On-bike Advertising
 - Carbon Credits

- InventoryManagement
 - Redistribution Trucks
 - Preventative/predictive maintenance

Member-based Structure

- 3 Options
 - Bike Storage <u>OR</u> Bike Share Member
 - \$90-110/annual membership
 - \$12-15/monthly pass
 - \$5-7/daily pass
 - Dual Bike Share and Storage Member
 - Additional \$60/year to the base option
 - Annual Membership Kit
 - Helmets, Maps, Street Smart Info., Discounts

FAQ's

- Q. Size compared to existing bike racks
 - A. No larger than existing racks, simply utilizes unused space
- Q. Concerns about bike theft
 - A. Bikes will incorporate a GPS chip
- Q. When will it be ready
 - A. Prototype during winter, launch large scale system in Spring 2010

Continue Nation's Capitol as an Innovator and Leader

- Deploy the bikeRAC in New York City
 - Time Square Alliance
- View Greater DC area as potential hub for integrated/innovative bike share & storage system being launch on a national scale
- Further expand DC region as one of the top bike friendly areas in US/World

What our program includes

- Bike Storage
- Bike Share
- Online Memberships
 - Several membership options
- A Designed Bike
- Large Scale, Expanded Effort
- Low Cost for reliability, accessibility and convenience

Next Steps

- Letter of Interest
- Access to land to house stations





