

Mountain Biking Comes to Town



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RESPECT



RIDE



INTERNATIONAL MOUNTAIN BICYCLING ASSOCIATION • SOUTHERN OFF-ROAD BICYCLE ASSOCIATION

Mountain Biking Old School...



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Agenda

1. Introductions
2. What is a bike park?
3. Who wants a bike park?
4. Why should you build it?
5. Where can you fit trails and features into your community?
6. Who builds bike parks and what's involved?



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What mountain bicyclists want?

Riding closer to home. Most mountain bicyclists often have to drive, sometimes hours, to have a trail experience that fulfills our desires.



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Provides Safe Surroundings for Active Lifestyles



Urban trails and bike parks promote health and fitness for families seeking a healthy lifestyle close to home.



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Bike park Project considerations.

1. Vision: Facilities built for Mountain Biking.
2. Community: Successful bike parks result from community-driven efforts.
3. Fundraising: Big ticket projects require substantial funding, but the money is out there.
4. Planning: Partners need to be organized for the work ahead.
5. Design: Find the right balance of riding elements and apply them to a specific location
6. Construction: From site preparation to ribbon cutting, the build demands a professional approach.
7. Management: Maintenance, risk management and programming will be ongoing.



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Bike parks are not trails.
They are managed similarly to city parks.
They require a higher standard of care.
They need to be professionally designed and constructed.



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Bike Parks Are

Bike-specific, self-contained facilities open to the public.

Usually comprised of two or more bike specific tracks or trails.

Include constructed features designed for bikes, in most cases made of dirt, rock, or wood.



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What features make up a bike park?

Dirt Jumps



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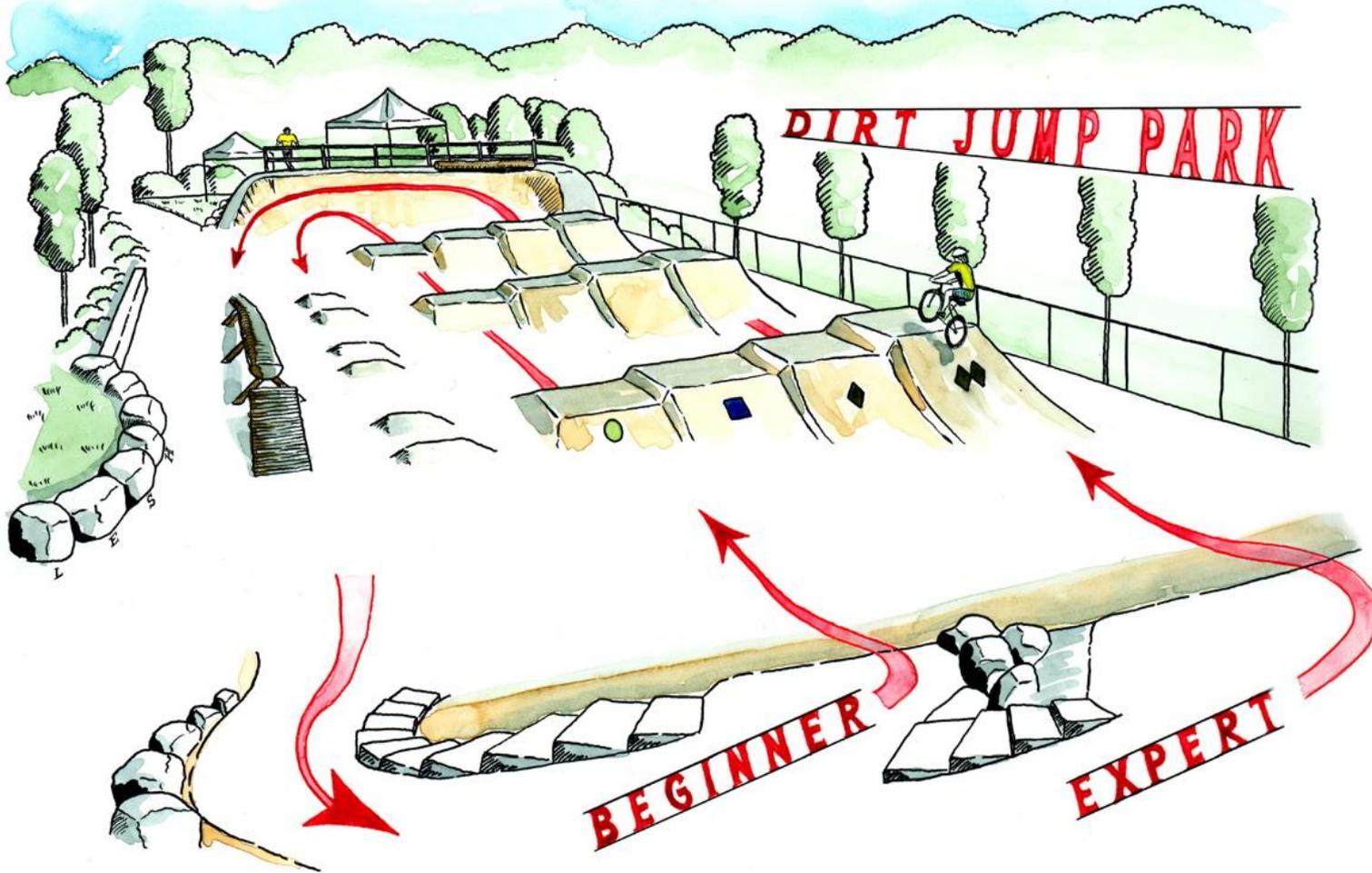


RIDE



BROWN-FOREMAN
SILO CENTER BIKE PARK DIRT JUMP AREA RENDERING





(MODELED AFTER GLENEAGLES ADVENTURE PARK - WEST VANCOUVER, BC)



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Gateway Trail Networks



- Trail systems designed to introduce riders of all ages into the sport.
- For kids ages 6-17 cycling is their favorite outdoor activity.
- Like fishing and camping, cycling brings them into nature.
- U.S. Child Obesity rate doubled from 1994 to 2006.

Free Ride Drops



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Skills Area



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A Flow Trail



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A Pump Track



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Kids' Pump Track



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A Hardened Pump Track



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What is the hype all about?



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Why do you want a bike park? Objectives? Benefits?

Accommodate a wide range of abilities

Provide riders with challenging, interesting, and progressively difficult features

Allow land managers to increase public recreational opportunities, increase fee-based revenues, deter unauthorized trail-building



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Adding bike parks experiences will attract a new demographic to the outdoors.



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KIDS!

According to the Outdoor Foundation, bicycling is the number one gateway activity that gets kids outside and ultimately interested in other activities such as hiking, camping, and fishing.



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Strengthening the community

Kids like to ride bikes to explore and they love to ride in the dirt.



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Strengthening the community

As the kids go, so go the parents.



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COMMUNITY BENEFITS

Family fun for all ages/abilities

Health and wellness

Open to the public

Community and neighborhood gathering area

Peak interest in riding and exercise



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Health Benefits

Introduces people to
A new sport.

Progressive kinesthetic
Training.

Regular exercise.



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Bike Parks offer opportunities for Programming

Trips for Kids programs.

National Take-A-Kid-Mountain Biking Day events.

Parks & Recreation riding programs.

Festivals and Races.



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Economic Benefits

Low cost

Economic opportunities:
Bike shops, restaurants,
programs, events

High returns for low costs



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Appropriate site candidates for trails and bike features:

Utility corridors

Defunct industrial areas

Abandoned rail sidings

Any “marginal lands”

Densely wooded areas

An existing park



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Managing Risk

- Oversight
- Funding
- Design
- Assessment of features
- Signage and Rider Education
- Inspection and maintenance
- Rider Safety Systems
- Emergency Response Plan
- Legal Protection



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A bike park



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Infrastructure of a bicycle park

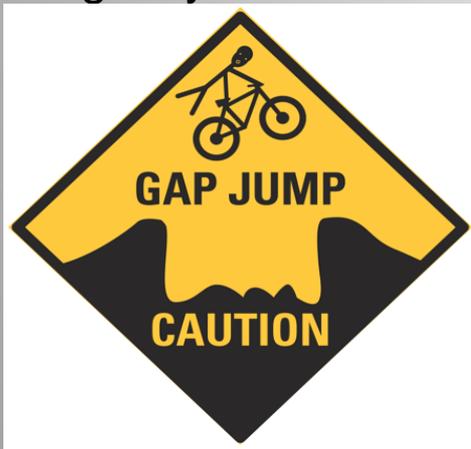
Proper signage

Water onsite

Spectator/Viewing area

Tool Storage facility

Emergency access



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Maintenance

Regularly scheduled inspection of features.

Planned revision of facility to keep it relevant.



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Today's Shared Use Trail Network

- Select adequate Parking Areas
- Trails nearest Hubs have most congestion
- Link Hubs with Clusters of trails
- Outbound Climbs with Inbound Descents
- Match gentlest terrain with Family Trails
- Consider Pockets of Single Use Loops
- Provide a wide range of trail experiences
- Community Bike Park/Skills Areas
- Event Ready
- Partnerships/Funding
- Placeholders for the Future



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Costs

Design \$5,000 - \$50,000



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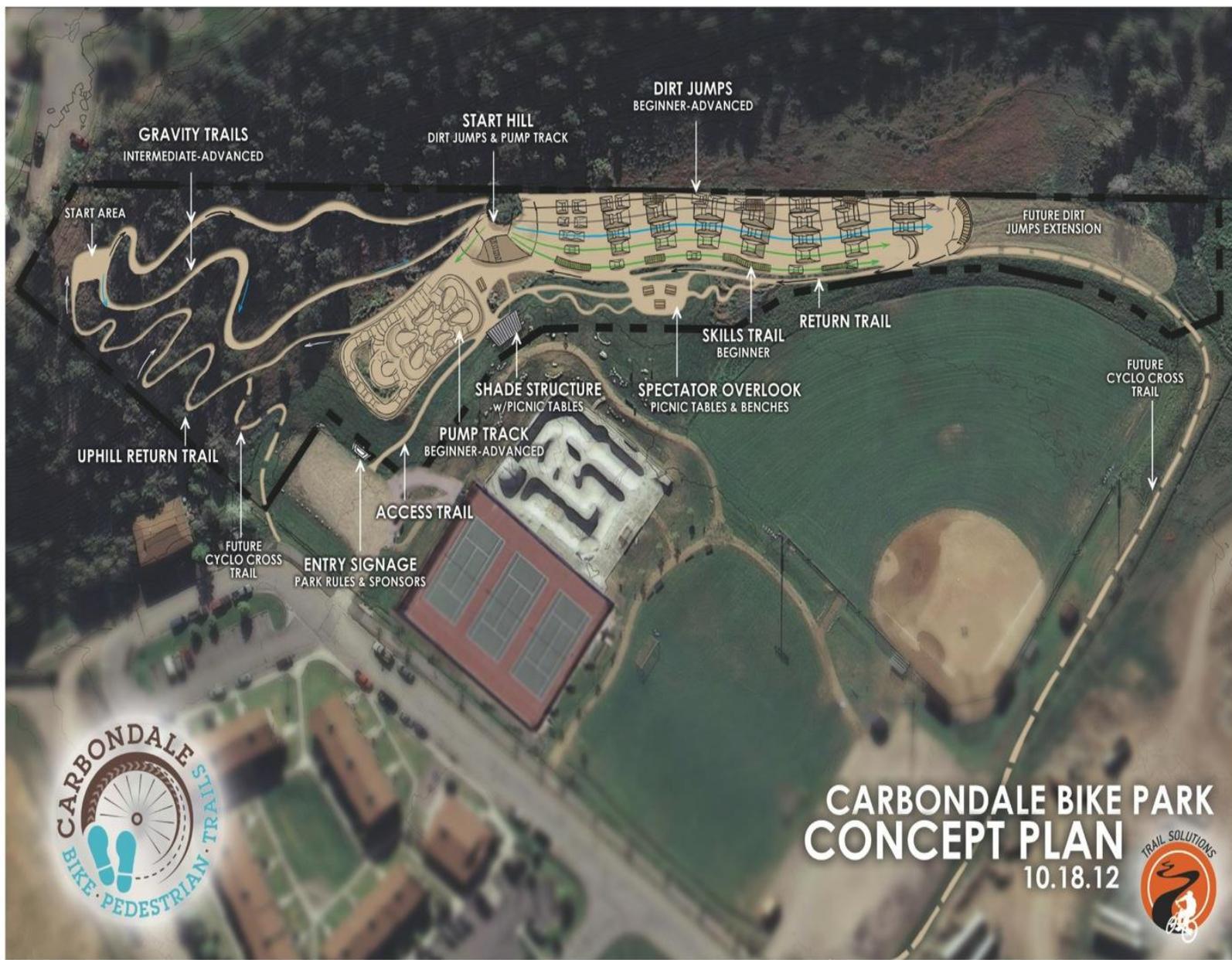


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CARBONDALE BIKE PARK CONCEPT PLAN

10.18.12



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Construction

Pump Track = \$20,000 - 35,000

Dual Slalom = \$30,000

Connector Trail = \$5,000

Gateway Trail = \$12,000 - \$15,000

Flow Trail = \$14,000 - \$20,000

Advanced Flow Trail \$14,000 - \$20,000

Consider the cost of materials.



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Who has done this?

Coldwater Mountain: Anniston, Alabama

Urban Wilderness: Knoxville, Tennessee

Rocky Knob: Boone, North Carolina

Big Creek-Alpharetta Greenway: Roswell, Georgia



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Charrette >>

Collaborate, Review & Approve >>

Notice to proceed >>

Grand Opening >>

ENVISION

1

FEASIBILITY & PLANNING



optimize budget >>

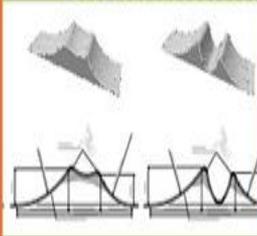
- SITE SURVEY
- ENVISIONING
- CONCEPT ILLUSTRATION

- Review project information
- Research design precedents
- Confirm amenity program
- Inventory existing conditions
- Prepare conceptual alternatives and illustrations

DESIGN

2

DESIGN DEVELOPMENT



revise & validate budget >>

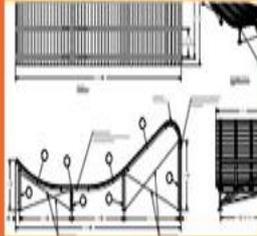
- SCHEMATIC DESIGN
- STAKEHOLDER INVOLVEMENT
- DESIGN DEVELOPMENT

- Prepare schematic location alternatives
- Include community in design process
- Review preferred design with Client
- Assign preliminary budget costs to all elements
- Refine design concepts approved for development
- Revise inventory and quantity of trails, features and other improvements

DOCUMENT

3

CONSTRUCTION DOCUMENTATION



final budget & construction bid >>

- CONSTRUCTION DOCUMENTS
- FINAL ENGINEERING

- Prepare full set of construction documents for all improvements
- Refine range of probable costs
- Validate constructability
- Review with consulting engineers and Client
- Review with building and other governmental departments
- Prepare final material lists

IMPLEMENT

4

CONSTRUCTION & MANAGEMENT



optimize budget based on site conditions >>

- FEATURE FABRICATION
- INSTALLATION & CONSTRUCTION

- Overlot grading
- Rough and fine grading
- Feature installation
- Irrigation installation
- Trail finishing
- Landscape installation

EVOLVE

5

POST CONSTRUCTION



management & enhancement budget >>

- POST CONSTRUCTION SERVICES

- Event consultation
- Facility management consulting
- Staff training
- Media and athlete outreach
- Install new features on existing trails
- Trail and trail feature updates



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Who you gonna call?

A professional trail builder.

Alpine Bike Parks

IMBA Trail Solutions

Progressive Trail Design



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Thank you!

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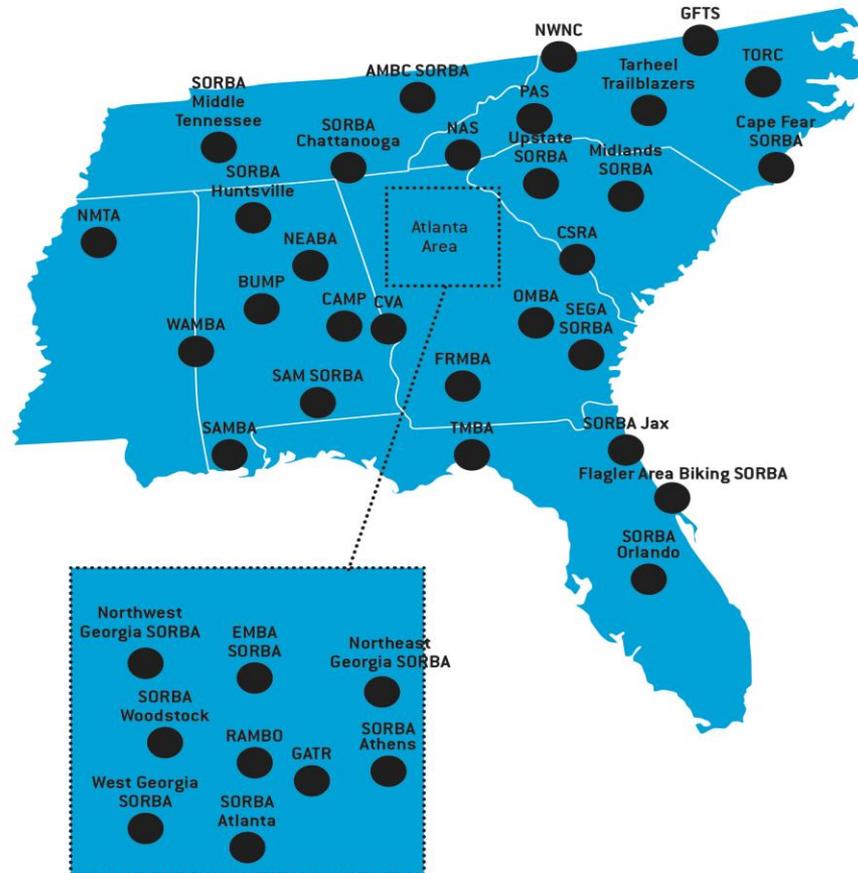
2125 Ealchee Drive

Gainesville, GA 30501

<https://www.youtube.com/watch?v=Kbj87vZQMw>



IMBA U.S. CHAPTERS SORBA SOUTHEAST SPRING 2015



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<https://youtu.be/MobVtZba6-4>

<https://youtu.be/HiucgFz7IEw>



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