

Project Advisory Committee Meeting #3

MEETING DATE: THURSDAY, MARCH 24, 2016
LOCATION: 1900 SW 4TH AVENUE, 7TH FLOOR
TIME: 4:00 – 6:00 P.M.

MEETING PURPOSE: Finalize Illustrated Vision and desired outcomes
Continue discussion on facility types and user experiences
Learn about the City's current facilities inventory
Discuss next steps

AGENDA

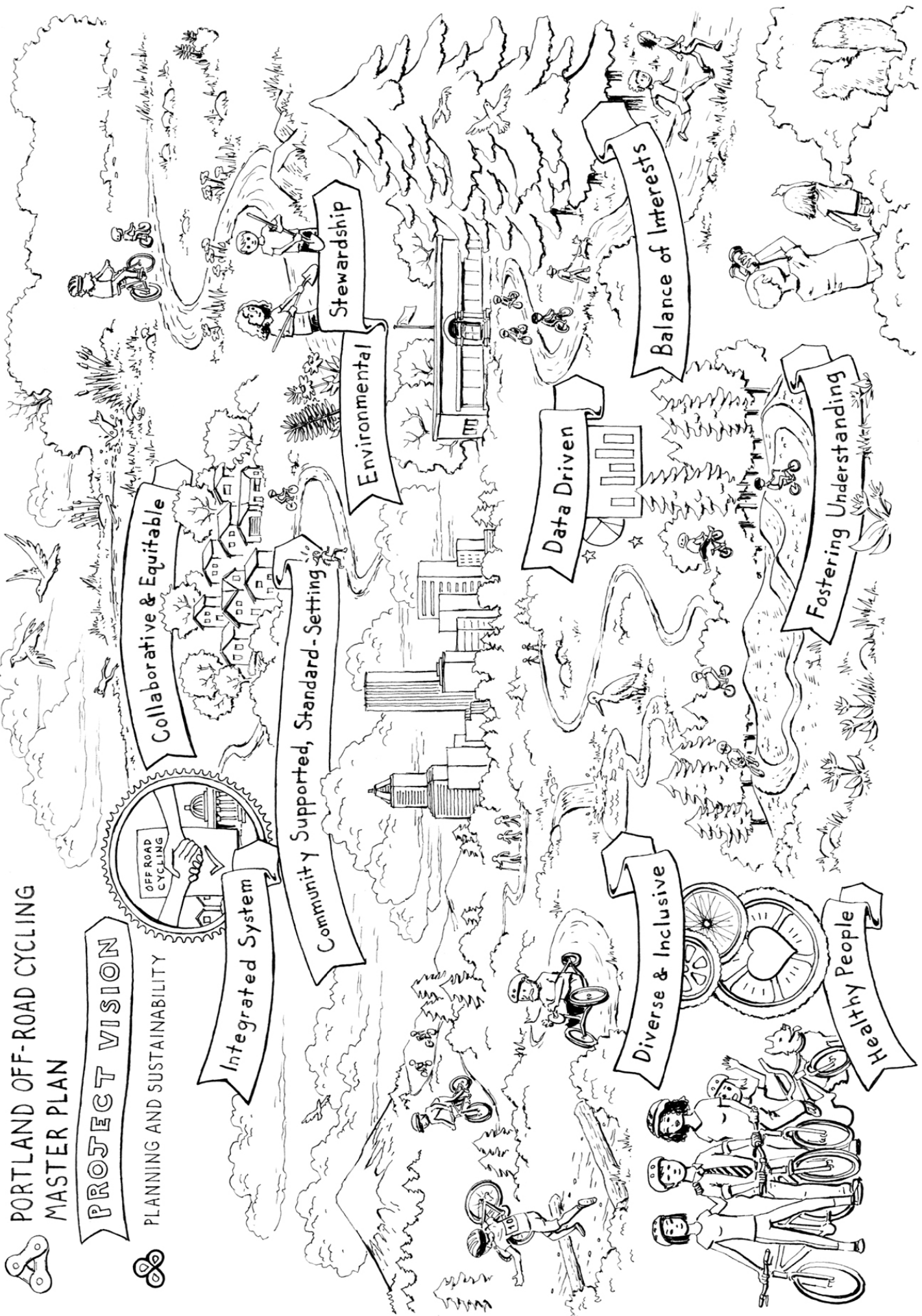
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|-----------------------------|--|-------------------|
| 1. (Info) | Welcome, Overview of Agenda and General Announcements/Project Updates
<i>Adrienne DeDona, JLA Public Involvement /
Michelle Kunec-North, Bureau of Planning and Sustainability</i> | 20 minutes |
| 2. (Action) | Finalize Illustrated Vision & Desired Goals/Outcomes
<i>Adrienne DeDona, JLA Public Involvement</i> | 10 minutes |
| 3. (Info/Discussion) | Facilities Typology & User Experiences, Cont.
<i>Nat Lopes, Hilride Progression Development Group</i> | 40 minutes |
| 4. (Info/Discussion) | Current Facilities Inventory
<i>Michelle Kunec-North,
Bureau of Planning and Sustainability</i> | 30 minutes |
| 5. (Info) | Public Comment | 10 minutes |
| 6. (Info) | Meeting Wrap up/Next Steps
<i>Adrienne DeDona, JLA Public Involvement</i> | 10 minutes |

PORTLAND OFF-ROAD CYCLING MASTER PLAN



PROJECT VISION

PLANNING AND SUSTAINABILITY



Collaborative & Equitable

Integrated System

Community Supported, Standard-Setting

Environmental

Stewardship

Data Driven

Diverse & Inclusive

Balance of Interests

Fostering Understanding

Healthy People

Bureau of Planning and Sustainability
Innovation. Collaboration. Practical Solutions.

PORTLAND PARKS & RECREATION
Healthy Parks, Healthy Portland

ENVIRONMENTAL SERVICES
CITY OF PORTLAND
working for clean rivers

PBOT
PORTLAND BUREAU OF TRANSPORTATION







Metro



City of Portland, Oregon
Charlie Hales, Mayor · Susan Anderson, Director

DESIRED OUTCOMES FOR THE PORTLAND OFF-ROAD CYCLING MASTER PLAN

Citywide Goals:

 Equity  Environmental Health  Human Health and Safety  Economic Prosperity

The Portland Off-road Cycling Master Plan...

Is built on an inclusive, constructive, and transparent planning process that:

- Fosters an open, honest, and productive conversation that is easy and fun to participate in and that builds trust in City planning efforts
- Is inclusive, engages historically under-represented groups, and brings people with different perspectives and experiences together
- Engages kids and families
- Is coordinated across City Bureaus and leadership
- Looks to other cities for best practices and tools to create a reasoned and sustainable approach to planning, designing and managing off-road cycling trails and facilities.



Lays a foundation for how off-road cycling is understood, discussed and planned for in Portland.

The Plan establishes the role of the City and its public spaces in meeting off-road cycling needs and provides a comprehensive framework for successfully meeting community needs. The Plan defines off-road cycling and develops a baseline understanding of who is, or would like to, ride off-road in the city now and in the future.



Blends visionary goals with a practical and realistic approach. The plan is realistic, feasible, and works within the context of community needs, City goals, Portland's urban environment and landscape, and regulatory constraints. But, it is also visionary, ambitious, and strives to make Portland a national example for incorporating off-road cycling into healthy communities. The Plan thinks creatively about all opportunities across the City, and within the region. To realize long-term success, the Plan sets a clear course for implementation by addressing funding, design, development, and management.



Designs with nature, by enhancing nature in the city and avoiding, limiting or mitigating adverse impacts on natural resources, including wildlife, habitat and water resources. The Plan incorporates the City's watershed health goals and reflects best practices in sustainable off-road cycling systems in its policy guidance, siting criteria, design, and management strategies.



Promotes the health, safety and enjoyment of trail and park users, including people of all ages and abilities who walk, hike, ride bicycles, and otherwise enjoy the outdoors. The Plan carefully considers the needs of diverse users of Portland's parks, employs siting and design best practices encourage mutual safety, and establishes a trail and facility system that extends quality recreational opportunities.



Identifies a variety of trails and facilities that accommodate different ages, abilities, and riding experiences to meet community needs, while establishing where these facilities are most appropriate. The Plan envisions opportunities to expand access to recreation and nature across the city, especially for children, people of color and underserved communities. It proposes a bicycle- or transit- accessible system of off-road cycling trails and facilities for recreation and transportation across the city.



Builds community ownership and partnerships for the stewardship of Portland's parks, open spaces and other public properties. The Plan establishes a role for community groups, park users and volunteers – and recognizes their potential contribution – in building, managing and sustaining an off-road cycling system.



Plans for responsible design and management of off-road cycling trails and facilities to cost-effectively meet community needs. In addition, the Plan acknowledges and leverages the potential economic benefits of off-road cycling.





Five primary factors that help define the spectrum of off-road cycling experiences

1

PRIMARY OFF-ROAD CYCLING DISCIPLINE

Mountain Bike

- Cross Country
- All Mountain
- Downhill
- Freeride
- Dirt Jump
- Pump Track
- Trials

BMX

- BMX Freeride
- Dirt Jump Trail
- BMX Freestyle
- Street
- Vert
- Park
- Ramp

Cyclo-Cross

Kids

2

AGE, SKILL LEVEL, ABILITY, TYPE

Age*

- Kids 1-5
- Youth 6-17
- Young Adult 18-24
- Adult 25+

Skill Level

- Beginner
- Intermediate
- Advanced
- Expert

Type

- Commuter
- Recreational
- Competitive

Frequency*

- 1-3 rides a year
- 1 ride per month
- 2 rides per month
- 1 ride per week
- 2 rides per week
- 5 rides per week
- Ride almost every day

*Referenced from the 2014 Outdoor Participation Report. *per year

3

SETTING

Natural Areas & Open Space

Developed Park & Recreation Area

Right-of-Ways & Greenways

4

SERVICE AREA

Neighborhood

Community

Regional

National

Grid represents size of service area. Green box represents size of facility.

5

TYPE OF FACILITIES

Trail Types*

- Wide Trails/ Service Road >10'
- Mid-Width Trails (6'-10')
- Narrow Trails (3'-6')
- Singletrack (1'-3')

*Trail types based on City of Portland trail inventory

Bike Park Facility Types

- Kids Facilities
- Pump Parks
- Skills Facilities
- Jump Parks
- BMX Track
- Terrain Park
- Competition/Racing Venues
- Trails

Sanctioned Users

- Shared-Use Trails
(Hiking, Biking, Equestrian)
- Special-Use
(kids trails, skills trails, interpretive trails)
- Single-Use
(one-way downhill directional trails including; downhill, freeride, flow trails, etc.)

International Mountain Biking Association (IMBA) Trail Difficulty Rating System

●
Easy

■
More Difficult

◆
Most Difficult

◆◆
Extremely Difficult

Beginner > Intermediate > Advanced > Expert

Trail Characteristics

- Trail width
- Trail Grade
- Trail Surface
- Natural obstacles
- Enhanced Terrain Features
- Technical Trail Features
- Skills Features

Progression

- Beginner
- Intermediate
- Advanced
- Expert

MASTER PLAN

A citywide plan for a system of sustainable off-road cycling trails and facilities—such as skills parks and pump tracks—linked together with on-street bicycle facilities and off-road cycling trails, using developed parks and recreation areas, natural areas and open spaces, greenways, and linear open spaces. These facilities and routes will offer children, adults, and families the opportunity to experience the fun, adventure, and excitement of an off-road cycling experience close to home.





Bureau of Planning and Sustainability
 Innovation. Collaboration. Practical Solutions.
City of Portland, Oregon
 Charlie Hales, Mayor • Susan Anderson, Director

3-17-2016

The following facility typology is meant to be comprehensive and represent the full range of off-road facility types. Not all types will be appropriate to community needs and sites in Portland.

Facility Scale and Service Area		Min. Space Requirement	Number of Riding Facilities	User Demographics Profile								
Facility Type / Service Area	Description of Facility			Primary User Age Demographic	Primary Cycling Discipline	MTB	BMX	CX	KIDS	Beg.	Int.	Adv.
Natural Areas & Open Space												
Trail Facility Types / Service Area	<i>Trails can be designed to offer many different types of riding experiences for riders of all ages, skill levels and abilities. Trails range in length from small neighborhood scale trails that are less than a mile to large scale trail networks that are national destinations featuring many miles of trail and offer a variety of trail experiences as well as race course and event venues.</i>											
Neighborhood Pocket Scale Trail Facility	Short trail segment or loop designed primarily for a local neighborhood trail experience.	.1 Miles	-	Ages 2-60	MTB	•			*	•	•	
Community Local Scale Trail Facility	Small-scale trail facility designed primarily for a local community trail experience.	1-4 Miles	-	Ages 2-60	MTB	•			*	•	•	•
County Regional Scale Trail Facility	Medium-scale trail facility designed to provide county-wide trail recreation for several communities. May consist of several trails that offer experiences for a variety of user abilities.	5-15 Miles	-	Ages 5-50	MTB	•		•	*	•	•	•
Destination State Scale Trail Facility	Large-scale trail facility designed to become a statewide destination. Consists of several trails of various length and type and race course venue opportunities to provide a full spectrum experience.	10-50 Miles	-	Ages 10-50	MTB	•		•		•	•	•
Destination National Scale Trail Facility	Largest-scale trail facility designed to become a national destination riding area. Includes extended trail system offering a wide variety and unique trail experiences and race course venue opportunities to provide a full spectrum experience. May include trails that are purpose built for off-road cycling.	25+ Miles	-	Ages 15-50	MTB	•		•		•	•	•
Recreation-Only Venue	Trail system is designed to provide recreational opportunities only; not intended for racing, special events, competitions etc.	0-50+ Miles	-	Ages 2-60	MTB	•		•	*	•	•	•
Competition Event Venue	Trail system is designed specifically to provide a training area and location to host racing and special events. Includes core infrastructure such as parking, restrooms, etc.	5+ Miles	-	Ages 18-40	MTB/CX	•		•		•	•	•
Developed Park and Recreation Areas												
Bike Park Facility Types / Service Area	<i>Bike Parks can be designed to incorporate many different types of riding facilities to provide a full spectrum of riding experiences for riders of all ages, skill levels and abilities. Bike Parks range in size from small neighborhood scale pocket parks that are less than an acre and feature a single pump track or dirt jump facility, to large scale multi-acre national destinations featuring multiple riding facilities, trails, competition and event venues.</i>											
Neighborhood Pocket Scale Bike Park	Small park designed primarily for a local neighborhood, with one type of riding area such as a pump track.	0-1 Acres	1	2-60	MTB/BMX	•	•		*	•	•	•
Community Local Scale Bike Park	Small-scale park designed primarily for a local community, with one or more riding areas such as a kids track, pump track and dirt jumps.	1-3 Acres	1-3	2-60	MTB/BMX	•	•		*	•	•	•
County Regional Scale Bike Park	Medium-scale park designed to provide county-wide recreation for several communities. May consist of several riding areas including kids track, skills park, pump track, jump park, etc.	3-10 Acres	3-5	5-50	MTB/BMX	•	•	•	*	•	•	•
Destination State Scale Bike Park	Large-scale park design to become a statewide destination. Consists of several riding areas, competition venues and modest trail system to provide a full spectrum experience.	10-50 Acres	5-8	10-50	MTB/BMX	•	•	•		•	•	•
Destination National Scale Bike Park	Largest-scale park designed to become a national destination riding area. Includes bike park facilities, riding areas and extended trail system.	50+ Acres	8-10	15-50	MTB/BMX	•	•	•		•	•	•
Recreation-Only Venue	Park is designed to provide recreational opportunities only; not intended for racing, special events, competitions etc.	0-50+ Acres	1+	2-60	MTB/BMX	•	•	•	*	•	•	•
Competition Event Venue	Park designed specifically to host competitions, racing and special events. Includes core infrastructure such as lighting, sounds system, parking etc.	0-50+ Acres	1+	Ages 18-40	MTB/BMX	•	•	•		•	•	•
Right-of-Ways & Greenways												
Trail Facility Types / Service Area												
Neighborhood Greenway / Linear Open Space	Short linear trail segment providing limited off-road cycling access for a local neighborhood. Trail segments can be enhanced with skills and/or technical terrain features. May also provide off-road through access and connectivity for bicycle commuters.	.1 Miles	-	Ages 2-60	MTB	•		•	*	•	•	•
Community Greenway / Linear Open Space	Short linear trail segment providing limited off-road cycling access for a community. Trail segments can be enhanced with skills and/or technical terrain features. May also provide off-road through access and connectivity for bicycle commuters.	.1 Miles	-	Ages 2-60	MTB	•		•	*	•	•	•

































The following facility typology is meant to be comprehensive and represent the full range of off-road facility types. Not all types will be appropriate to community needs and sites in Portland.

Typical Off-Road Cycling Trail Facility Types																				
Trail Facility Type	Abrev.	Photo	Description of Facility	Min. Space Requirement	Typical Terrain (Flat, Rolling, Mountainous, Any)	Min. Elevation Required	User Demographics Profile								Closest Comparable Facility	Notes				
							Primary User Age Demographic	Primary Cycling Discipline	MTB	BMX	CX	KIDS	Min. Skill Requirement	Beg.			Int.	Adv.	Exp.	
Off-Road Cycling Trail Types																				
XC Trail Types																				
Wide Trails/Service Road	XC		Fire and Maintenance Service Road	> 10'	Any	-	Ages 5 and up	MTB	*	*	*			Beginner	*	*	*	*		Typ. Machine Built
Mid-Width Trails	XC		Mid-Width Trails	6' – 10'	Any	-	Ages 5 and up	MTB	*	*	*			Beginner	*	*	*	*		Typ. Machine Built
Narrow Trails	XC		Narrow Trails	3' – 6'	Any	-	Ages 5 and up	MTB	*	*	*			Beginner	*	*	*	*		Typ. Machine Built
Singletrack Trails	XC		Singletrack Trails	1' – 3'	Any	-	Ages 5 and up	MTB	*	*	*			Beginner	*	*	*	*		Typ. Hand Built
Multi-Use Trails																				
Multi-Use Trails	-		Trails allowing multiple non-motorized modes of travel	-	Any	-	Ages 5 and up	MTB	*	*	*			Beginner	*	*	*	*	Forest Park, Powell Butte, Mt. Tabor	
Hiking / Equestrian / Biking	-		Shared use with hikers, equestrians, mountain bikers	-	Any	-	Ages 5 and up	MTB	*	*	*			Beginner	*	*	*	*		
Hiking/Biking	-		Shared use with hikers and mountain bikers	-	Any	-	Ages 5 and up	MTB	*	*	*			Beginner	*	*	*	*	Forest Park, Powell Butte, Mt. Tabor	
Single-Use Trails																				
Single-Use Trails	-		Single use trails allow for higher user speeds, typically on downhill trails or trails with jumps, and other terrain features.	-	Any	-	Ages 5 and up	MTB	*	*	*			Beginner	*	*	*	*		
Hiking	-		Hiking Only	-	Any	-	Ages 5 and up	MTB	*	*	*			Beginner	*	*	*	*		
Equestrian	-		Equestrian Only	-	Any	-	Ages 5 and up	MTB	*	*	*			Beginner	*	*	*	*		
Biking	-		Bike Only	-	Any	-	Ages 5 and up	MTB	*	*	*			Beginner	*	*	*	*		
Special Use Trails																				
Kids Trail	-		Short loop trail on level to moderately rolling terrain designed specifically for younger riders.	.5 Miles	Flat	0'	Ages 2-5	KIDS	*	*	*			Beginner	*	*	*	*		
Skills Trail	-		A skills trail is a designated linear trail with optional lines or routes that provide access to skills features that range in difficulty and become progressively more challenging.	.25 Miles	Flat	0'	Ages 5-50	MTB/BMX	*	*	*			Beginner	*	*	*	*		
Interpretive Trail	-		A trail designed for recreation and educational purposes. Typically, signage provides users with information on site-specific history, ecology, cultural resources, etc.	1 Mile	Any	0'	Ages 3-50	MTB	*	*	*			Beginner	*	*	*	*		
Competitive Track	-		A trail that is designed for training and to accommodate higher speeds and racing events. Can be multi-use, but primarily one-directional	1 Mile	Any	0'	Ages 12-50	MTB	*	*	*			Beginner	*	*	*	*		
Par Course Trail	-		A trail equipped with skills features or stations distributed along its length designed for building skills progression.	.1 Miles	Flat	0'	Ages 5-50	MTB/BMX	*	*	*			Beginner	*	*	*	*		
XC/CX Trail Racing Formats																				
Classic XC Country Course	XC		Using a combination of trail types (e.g. wide, singletrack) to create routes.	10 Miles	Rolling - Mountainous	500'	Ages 18-60	MTB	*	*	*			Beginner	*	*	*	*		
Cyclo-cross Trail Course	CX		Course meant for circuit racing, with natural terrain elements, obstacles, stairs, sand and/or water pits. They are very spectator friendly.	1.5 Miles	Rolling	50'	Ages 18-50	CX	*	*	*			Beginner	*	*	*	*	Portland International Raceway	
NICA XC Course	NICA		Using a combination of trail types (e.g. wide, singletrack) to a loop course.	5 Miles	Rolling	350'	Ages 12-18	MTB	*	*	*			Beginner	*	*	*	*		
Short Track Course XC Course	STXC		Short track course with starting area, short duration climb, berm turns, rollers, natural elements made for timetrial and heads-up racing formats. Race times are pre-determined and usually about 30-60 minutes. They are very spectator friendly.	.5 Miles	Rolling	50'	Ages 18-50	MTB	*	*	*			Beginner	*	*	*	*	Portland International Raceway	
12 Hour XC Course	12XC		Using a combination of trail types (e.g. wide, singletrack) to create extended routes.	10 Miles	Rolling - Mountainous	100'	Ages 18-60	MTB	*	*	*			Intermediate	*	*	*	*		
24 Hour XC Course	24XC		Using a combination of trail types (e.g. wide, singletrack) to create extended routes.	15 Miles	Rolling - Mountainous	100'	Ages 18-60	MTB	*	*	*			Intermediate	*	*	*	*		
Marathon XC Course	XCM		Using a combination of trail types (e.g. wide, singletrack) to create extended routes.	25 Miles	Mountainous	100'	Ages 18-60	MTB	*	*	*			Intermediate	*	*	*	*		
Multi-Stage XC Course	XCSR		Using a combination of trail types (e.g. wide, singletrack) to create extended routes.	150 Miles	Mountainous	100'	Ages 18-50	MTB	*	*	*			Advanced	*	*	*	*		
Gravity Trail Types																				
Downhill Trail	DH		Gravity-fed trails designed primarily with natural terrain elements including steep slopes, rugged terrain, rock gardens, etc.; may include off-camber turns, dirt berms, jumps, rock drops, etc.	.25 Miles	Rolling - Mountainous	100'	Ages 10 and up	MTB	*	*	*			Beginner	*	*	*	*		
Flow Trail	FT		Gravity fed trails designed to enhance the natural terrain and maximize elevation with moderate grade downhill sections, that minimize braking and are designed with rollers, berm turns, jumps, drops, etc.	.5 Miles	Rolling	100'	Ages 10 and up	MTB	*	*	*			Beginner	*	*	*	*		
Freeride Trail	FR		Gravity-fed trail designed to enhance the natural terrain with the addition of built features and structures such as ladder bridges, log rides, wall rides, kickers, jumps, drops, berm turns, etc.	.5 Miles	Rolling	100'	Ages 10 and up	MTB	*	*	*			Beginner	*	*	*	*		
Jump Trail	JT		Gravity-fed trail that is short duration and typically includes a start area with a linear sequence of jumps.	.1 Miles	Rolling	100'	Ages 10 and up	MTB/BMX	*	*	*			Beginner	*	*	*	*		
Dual Slalom Trail	DS		Dual track trail specifically designed with two nearly identical side by side tracks where riders compete for time.	.25 Miles	Rolling	100'	Ages 10 and up	MTB/BMX	*	*	*			Intermediate	*	*	*	*		

Gravity Trail Racing Formats																	
Downhill Race Course	DH		Racing format where riders compete for time on an extended downhill course with steep, rough terrain, high speeds, berm turns, jumps, etc.	.5 Miles	Rolling - Mountainous	100'	Ages 10 and up	MTB	*				Intermediate		*	*	*
Super Downhill Race Course	SD		Racing format where riders compete for time on extended downhill sections of trail with some climbing.	1 Mile	Rolling - Mountainous	100'	Ages 10 and up	MTB	*				Intermediate		*	*	*
Enduro Downhill Race Course	ED		Racing format where riders compete for time across several extended downhill sections of trail. Riders climb to each section start, but are not timed.	1 Mile	Rolling - Mountainous	50'	Ages 10 and up	MTB	*				Intermediate		*	*	*
Dual Slalom Course	DS		Dual track course specifically designed with start gate, lane gates, and finish gate where riders compete side by side for time on two nearly identical tracks.	.25 Miles	Rolling	100'	Ages 10 and up	MTB	*	*			Intermediate		*	*	*
MTB Four-Cross Course	4X		Racing format where four riders start together and on a short downhill course of berms, jumps, step-ups and other trail features. The two fastest riders proceed to the next round until the ultimate winner is determined. This is very spectator friendly.	4 Acres	Rolling - Mountainous	100'		MTB	*				Intermediate		*	*	*

The following facility typology is meant to be comprehensive and represent the full range of off-road facility types. Not all types will be appropriate to community needs and sites in Portland.

Typical Off-Road Cycling Bike Park Facility Types																	
Facility Type	Description of Facility	Photo	Min. Space Requirement	Min. Terrain Requirements 1- Flat Terrain 2 - 0-50' Elevation 3 - 50+ Elevation	Min. Amenities Requirements (Low / Medium / High)	Min. Maintenance Requirements (Low / Medium / High)	User Demographics Profile								Closest Comparable Facility	Notes	
							Primary User Age Demographic	Primary Cycling Discipline	MTB	BMX	CX	KIDS	Min. Skill Requirement	Beg.			Int.
Bike Park Riding Area / Facility Types																	
Kids Facilities																	
Kids Pump Track	Smaller size pump track loop with a start hill, smaller rollers and berm turns, with room for parents to walk beside younger riders.		2,500 SF	1	Low	Medium	Ages 2-5	KIDS	*	*			Beginner	*			Ventura Park
Kids Skills Trail	Shorter loop trail with small skills features for younger riders.		8,000 SF	1	Low	Low	Ages 2-5	KIDS	*	*			Beginner	*			New Columbia Park
Kids Race Course*	Shorter race course with wider turns, highly visible. Start finish gantry and start area.		8,000 SF	1	Low	Low	Ages 2-5	KIDS	*	*			Beginner	*			
Kids Cross Country Trail	Shorter, wider loop trail with small rollers, berm turns and other elements.		16,000 SF	1	Low	Low	Ages 2-5	KIDS	*	*			Beginner	*			
Pump Park Facilities	Pump track with start area, rollers, berm turns, jumps, wall rides etc.																
Linear Pump Track	A linear pump track provides a single line in one direction for riders. This type of pump track minimizes rider congestion.		10,000 SF	1	Medium	Medium	Ages 5-50	MTB/BMX	*	*			Beginner	*	*	*	*
Non-Linear Pump Track	A non-linear pump track provides many more line options for riders in multiple directions.		10,000 SF	1	Medium	High	Ages 5-50	MTB/BMX	*	*			Beginner	*	*	*	Ventura Park
Competition Speed Pump Track	Pump track "Speed" racing is not currently sanctioned by any major governing bodies, but typically includes a start finish area, timing system, a one-lane time trial track format or two-lane dual track format, and spectating area.		20,000 SF	1	Medium	High	Ages 6-25+	MTB/BMX	*	*			Intermediate	*	*	*	
Competition Style Pump Track	Pump track "Style" competitions are not currently sanctioned by any major governing bodies, but typically include a start finish area, timing system, a one-lane or two-lane dual track format, large show jumps and features, and spectating area.		20,000 SF	1	Medium	High	Ages 6-25+	MTB/BMX	*	*			Intermediate	*	*	*	
Skills Park Facilities	A skills park facility typically includes a series of features, obstacles, terrain, etc. that provides a challenge for riders to successfully navigate. Skills trails and skills parks are generally ridden at lower speeds with emphasis on balancing and controlled bike handling.																
Skills Park	A skills park is a designated area that includes multiple skills features of varying difficulty level, that can be approached from different directions allowing riders to take multiple lines or routes through each feature.		10,000 SF	1	Low	Low	Ages 5-50	MTB/BMX	*	*			Beginner	*	*	*	New Columbia Park, Lumberyard Bike Park (Private, Indoor)
Skills Trail	A skills trail is a designated linear trail with many optional lines or routes that provide access to skills features that range in difficulty and become progressively more challenging.		8,000 SF	1	Low	Low	Ages 5-50	MTB/BMX	*	*			Beginner	*	*	*	
Observed Trials Area	Observed trials areas are designated areas that provide natural and created obstacles and structures such as rock piles, logs, tires, ledges, etc.		2,000 SF	1	Low	Low	Ages 10-40	MTB	*	*			Advanced	*	*		
UCI Observed Trails Racing Course	Observed trials courses sanctioned by the UCI must include a set number of obstacles, each obstacle must include entrances and exits to each obstacle area, etc.		12,000 SF	1	Low	Low	Ages 10-40	MTB	*	*			Advanced	*	*		
Speed Trials Course*	Speed trials courses are not sanctioned by any major governing bodies, but typically include riders completing a set course of challenging obstacles or feature for a time. Skills trails can be designed to be used as speed trials courses.		.1 MILE	1	Low	Low	Ages 10-40	MTB/BMX	*	*			Intermediate	*	*	*	
Jump Park Facilities																	
Jump Park	A jump park typically includes a start area with multiple jump lines- small, medium, large, x-large jumps for beginner, intermediate, advanced, expert level riders.		30,000 SF	1	Medium	High	Ages 5-40	MTB/BMX	*	*			Beginner	*	*	*	Eichler Park
Jump Trail	A jump trail typical includes a start area with a linear sequence of jumps.		8,000 SF	1	Medium	High	Ages 5-40	MTB/BMX	*	*			Beginner	*	*	*	

Competition Jump Venue	A competition jump venue features a pro line of jumps in the middle of a spectating area and is designed for a high level of progressive riding.		50,000 SF	1	Medium	High	Ages 12-40	MTB/BMX	*	*			Advanced						
BMX Track Facilities																			
Practice BMX Track	Track specifically designed for practice with start hill, start gate, rollers, jumps, berm turns, rhythm sections, finish gate, etc.		25,000 SF	1	Medium	Low	Ages 5-40	BMX	*	*			Beginner						
USA BMX Race Track	Track specifically design for 8 up racing with large start hill, start gate, rollers, jumps, berm turns, finish gate, spectating area, timing area, etc. They are very spectator friendly.		50,000 SF	2	High	High	Ages 6-40	BMX	*	*			Beginner						
UCI BMX Race Track	Track specifically design for 8 up racing with large start hill, start gate, rollers, jumps, berm turns, finish gate, spectating area, timing area, etc.They are very spectator friendly.		100,000 SF	2	High	High	Ages 6-40	BMX	*	*			Beginner						
Other Competition and Racing Venues																			
USA Cycling Dual Slalom Course	Dual track course specifically designed with start gate, lane gates, and finish gate where riders compete side by side for time on two nearly identical tracks.		30,000 SF	2	Medium	High	Ages 10-50	MTB	*	*			Intermediate						
UCI XC Eliminator Course	Short course format is highly spectator friendly and combines element of classic xc and dual slalom type features.			2	Low	Low	Ages 18-50	MTB	*	*			Intermediate						
Cyclo-cross Course	Course meant for circuit racing, with natural terrain elements, obstacles, stairs, sand and water pits.			2	High	Low	Ages 18-50	CX			*		Beginner						Portland International Raceway
Terrain Park Facilities																			
Terrain Park	A terrain park typically includes a gravity based drop in along with many different types of features usually ridden at higher speeds and include features like drop offs, jumps, etc.		10,000 SF	3	Medium	High	Ages 12-50	MTB	*	*			Beginner	