



City and Borough of Sitka

PROVIDING FOR TODAY...PREPARING FOR TOMORROW

A Coast Guard City

MEMORANDUM

To: Mayor Eisenbeisz and Assembly Members

From: Assembly Members Knox and Himschoot

Date: October 19, 2021

Subject: Sitka Cycling Club Pump Track

Background

The Sitka Cycling Club has been exploring the possibility of adding a pump track to one of Sitka's park areas. After working with Parks and Rec (unanimous approval) and Michael Colliver with Public Works they have a preferred location and would like to use the winter to plan and work through the process of adding this recreational asset to the city's park spaces. Much of the Cycling Club's work on this has been modeled on Juneau's successful pump track, and they would seek to build this track in spring and summer 2022. This group has already successfully worked with the city to add several miles of mountain biking trails to the existing trail system.

Analysis

Because the Cycling Club is willing to build the pump track only collaboration time will be needed from the Public Works department. The goal is to take a small amount of unused park space and create a recreational opportunity for Sitkans to enjoy. As indicated in the attached outline, the pump track will not interfere or impact existing city park areas, the preferred location is already set up for recreation with adequate parking and garbage dispensers, and there are partners ready to contribute the financial (estimated at \$10-12,000, which will be fund-raised by the partners) and labor resources to create this additional recreational opportunity.

Fiscal Note

Apart from city staff time to create the MOU and collaborate on design the Cycling Club is prepared to construct the pump track with partners using their own resources.

Recommendation

The Assembly should direct the city administrator to create a MOU with the Sitka Cycling Club to develop a pump track.

Encl: Pump Track Presentation

Pump Track Proposal to the City of Sitka

Sitka Cycle Club is interested in promoting youth recreation opportunities through the development of a Bicycle Pump Track in the City of Sitka. A pump track is a perpetual loop that can be ridden without peddling, consisting of rollers and berms. It can provide a playground for kids and adults alike, from beginners to professionals and provides a community with sustainable and fun activity.



A pump track needs a flat piece of ground. Or a slight slope for drainage. The Sitka Cycling Club worked with Michael Colliver and the Parks and Recreation Advisory board in seeking an appropriate location for the intended infrastructure. Their recommended location is adjacent to the skate park and airplane turnaround.

The Sitka Cycling Club would like to work with the City of Sitka to ammend the existing MOU or create a new MOU to establish partnership in constructing and maintaining the pump track. Sitka Trail Works has offered to be a fiscal sponsor and would consider working with the city and the bike club to contract the delivery of materials and construction. Bayne Construction is available and willing to implement the contract.



The cost estimate is approximately \$10-12,000 for materials and construction. The cycling club is currently fundraising for the total amount. The design would use recycled asphalt and require minimal maintenance. The cycling club would facilitate and fund maintenance and upkeep as needed.



The proposed location is conveniently located near public schools, has sidewalk access, and is adjacent to other recreation opportunities (skate park and dog park). The historical airplane turnaround would be protected from any damage and the increased use in this area would promote public use and increased safety in the area. There is adequate parking and existing garbage disposal. The pump track would promote health and wellness, increase public use and safety in this area, and preserve the historical aspect of this location.

Sitka Pump Track

Sitka Cycling Club

Proposal for Pump Track Construction and MOU

Sitka Assembly Meeting Oct 2021



A pump track is a perpetual loop you can ride without peddling, consisting of rollers and berms. It can provide a playground for kids and adults alike, from beginner's to professionals and provides a community with a sustainable and fun packed activity for all.

A good set of rollers is a sine wave. The wave has troughs and crests. If you draw a horizontal through your rollers at the midpoint of the rollers' heights, everything above the line is a crest. Everything below the line is a trough.



Row through troughs. As your bike passes through a trough, pull your hands back while you push your feet down. This levers the bike through the trough and generates pumping power.



- Design needs a flat piece of ground, or a slight slope for drainage, approximately 100'x60'. Materials can be rock, wood, or recycled asphalt.
- The effort would involve a ground survey, delivery of materials, placement of materials (to design standards), packing and grooming, then biking.
- Rollers 1' tall and 10' apart
Berms 10' radii
90degree turns/45-degree banks

The Ask:

- The Sitka Cycling Club is seeking permission to continue project development with CSB employees.
- Project development includes final design to meet CBS specs, a written contract for solicitation, and contract oversight for construction of the pump track.
- The Sitka Cycling Club has been raising funds to fully support the project.
- The Sitka Cycling Club would assume maintenance responsibilities through an MOU with CBS.

Welcome to Pump Track Nation v2

How to build the best pump track on Earth — yours

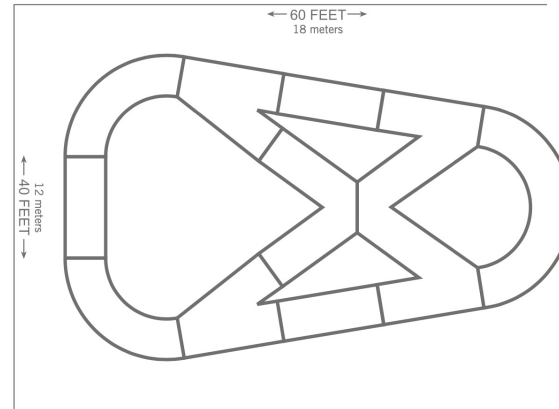
By Lee McCormack : www.leeikesbikes.com



LI Track overview

SLT packs all this goodness into a small space.

- » The total footprint is 60x40 feet (18x12 meters). If you build retaining walls or of the berms, you can shrink this to about 54x34 feet (17x11 meters).
- » Long straights with round rollers help you build speed.
- » A big, steep 160-degree berm lets you pull serious Gs. Super fun!
- » Perfectly shaped 100-degree berms carry great speed and teach you pump all pockets on trails.
- » Crossover lines add technical challenge and increase the number of lap options:



Reference points

Start with Point A, then set the below relationships. Be sure to drive stakes into the centerpoints of all turns (A, B, C, E, G, K).

AB 60 feet
BC 10 feet
AC 60.8 feet

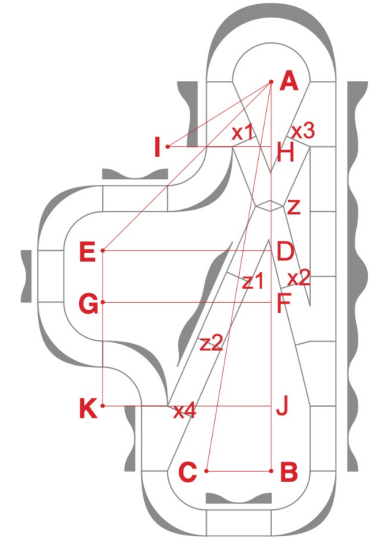
AD 26 feet
DE 26 feet
AE 36.8 feet

AF 34 feet
FG 26 feet
EG 8 feet
DG 27.5 feet

HI 16 feet
AI 18.9 feet

JK 26 feet
GK 16 feet
FK 30.5 feet

CK 19 feet



Pumptopia Pump Track
© Lee McCormack, Lee Likes Bikes LLC : April 17, 2014
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A Pump Track Was Built at Cope Park in Juneau as a partnership between Juneau Parks and Recreation and Juneau Mountain Bike Alliance.



Kody Sofia Stitz ▸ Juneau Mountain Bike Alliance Public Forum

October 12, 2020 at 12:23 PM · 🌐

Rode a few laps on the Cope Park Pump Track with my son at lunch. So much fun. Thank you to JMBA and a Juneau Parks & Rec for making this possible!



👍❤️ 43

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Sitka Pump Track

