



MID-OHIO REGIONAL
MORPC
PLANNING COMMISSION

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NOTICE OF A MEETING

CENTRAL OHIO GREENWAYS PARTNERSHIP WORKING GROUP MEETING

February 15, 2022

12:15 – 12:45

REMOTE MEETING

AGENDA

- 1) **Welcome**
- 2) **Membership**
 - a. COG Nomination Chair
- 3) **Raise Grant / Other Funding**
- 4) **Environmental Trail Design Guide**
- 5) **Columbus Foundation Green Funds**
- 6) **Other Business**

William Murdock, AICP
Executive Director

Karen J. Angelou
Chair

Erik J. Janas
Vice Chair

Chris Amorose Grooms
Secretary

Mid-Ohio Regional Planning Commission
Remote Meeting

Central Ohio Greenways Board Partnership Working Group

February 15, 2022, 12:15 pm

Members Present

Mike Andrako, Franklin County Engineer's Office
Ariunaa Bayanjargal, Ohio Clinicians for Climate Action
Kacey Brankamp, Capital Crossroads & Discovery SID
Nina Duerk, Strand Associates
Terry Fischer, Bike Buckeye Lake
Chair Bill Habig, Granville Township, Licking County

MORPC Staff Present

Lynn Kaufman
Melinda Vonstein



Central Ohio Greenways

Environmental Trail Design Efforts
January 10th, 2022



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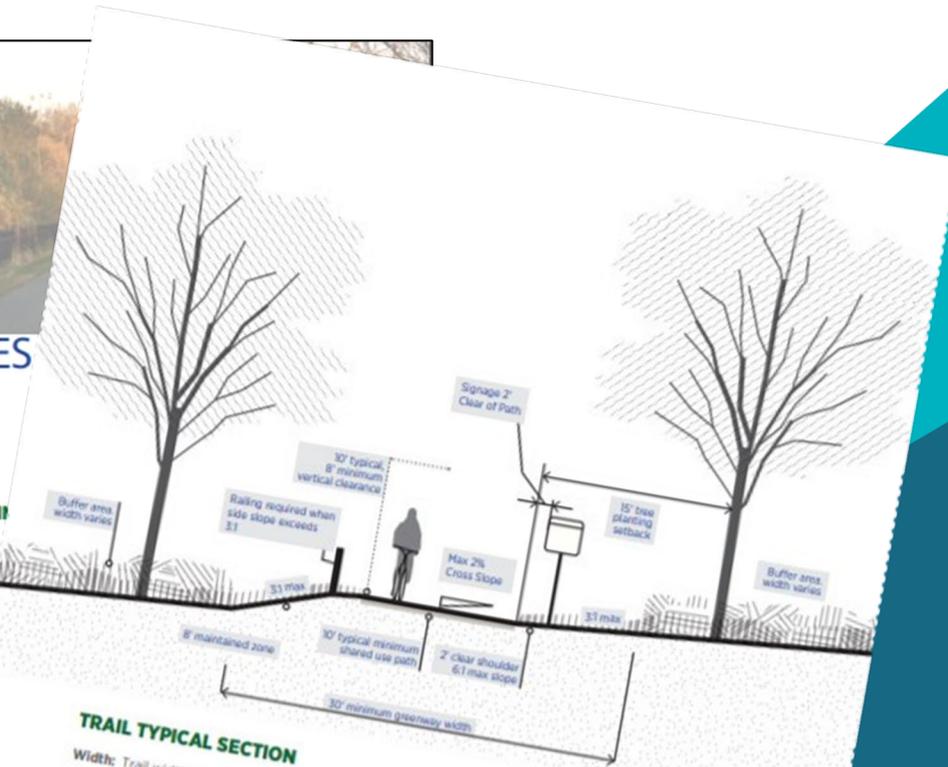
Trail Design Guidelines



DESIGN GUIDELINES

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These guidelines are for shared-use paths. Some of the basic design criteria can be screened for before they may be excluded to save expenditures. The professional engineer should ensure the path satisfies the Transportation Department Bicycle Facility standards. The adopted design standards for offices, Park



TRAIL TYPICAL SECTION

Width: Trail width should typically be 10-foot minimum. In cases of limited right-of-way, an 8 foot wide trail may be used. A wider trail may be necessary in areas that are expected to have a high number of users and/or a greater mix of user types (cyclists, walkers, in-line skaters, etc.) that require more horizontal space for passing.

Paths should have a maximum of a 2 percent cross slope. The maximum horizontal grade should be 5 percent (grades steeper than 5 percent are permitted, but should be limited to distances indicated in the AASHTO guidelines).

Clear Zone: A clear zone should occur on both sides of the shared-use path at a minimum of 2-feet wide. Area should be graded at a maximum slope of 6:1. Additionally, a minimum 1-foot buffer zone between the edge of the graded clear zone and any fixed objects such as signs, mile markers, lighting, or plantings should occur. On bridges this guideline does not apply. The clear zone should include shoulder height obstructions such as pathway signage or fences.

Vertical Clearance: Clear height zone should be a minimum of 8 feet, with 10 feet being typical.

Drainage: Path drainage should be addressed to ensure safe passage for users during moderate rain events.

CENTRAL OHIO GREENWAYS Urban Greenway Design Guide



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Environmental Trail Design



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Being environmentally conscience of how trail designing is crucial to maintaining sustainability in Central Ohio. Together, a collection of eco-friendly tips and recommendations to create trails has been identified to assist with sustainable trail designing while connecting each other.



Potential Partners



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**ENVIRONMENTAL LAW
& POLICY CENTER**



**Franklin Soil and Water
Conservation District**

Creating Conservation Solutions for Over 70 Years

FLOW

Friends of the Lower **O**lentangy **W**atershed

Others?

References



Cuyahoga Valley National Park:

[https://parkplanning.nps.gov/showFile.cfm?projectID=27315&filename=CUVA Trail Management Plan Appendix C Sustainable Trail Guidelines Final.pdf&sfid=156926](https://parkplanning.nps.gov/showFile.cfm?projectID=27315&filename=CUVA_Trail_Management_Plan_Appendix_C_Sustainable_Trail_Guidelines_Final.pdf&sfid=156926)

Rails to Trails Conservancy

<https://www.railstotrails.org/resource-library/resources/enhancing-the-environment-with-trails-and-greenways/>

Purdue University Trail Guideline

<https://www.extension.purdue.edu/extmedia/FNR/FNR-121.pdf>

American Trails

<https://www.americantrails.org/resources/sustainable-trail-development>

Appalachian Trails Scholarly Article

https://www.nps.gov/appa/learn/management/upload/appalachian_trail_resource_management_plan.pdf

Vegetation

Vegetation and plants that are sensitive should not be harmed/alterd in the process of trail creation. Instead, native plants that serve as a source of nutrition for wildlife within Central Ohio and are important for supporting the ecosystem.

Ideal vegetation: native plants that are essential for the specific environment of choice.

Be cautious: wetlands, floodplains, upland forests, sensitive, and endangered plants species.



Wild Cherry Blossom

Trail Material



- **Soil or the pavement material** chosen to create environmentally-friendly trails may be porous and should appropriately drain water during rain events.
- Without proper trail material that navigates water to replenish vegetation and waterway systems, trails have the potential to flood become damaged.
- Improper soil choices can pollute watersheds up and downstream along with degrading erosion within landscapes where trails may be placed.

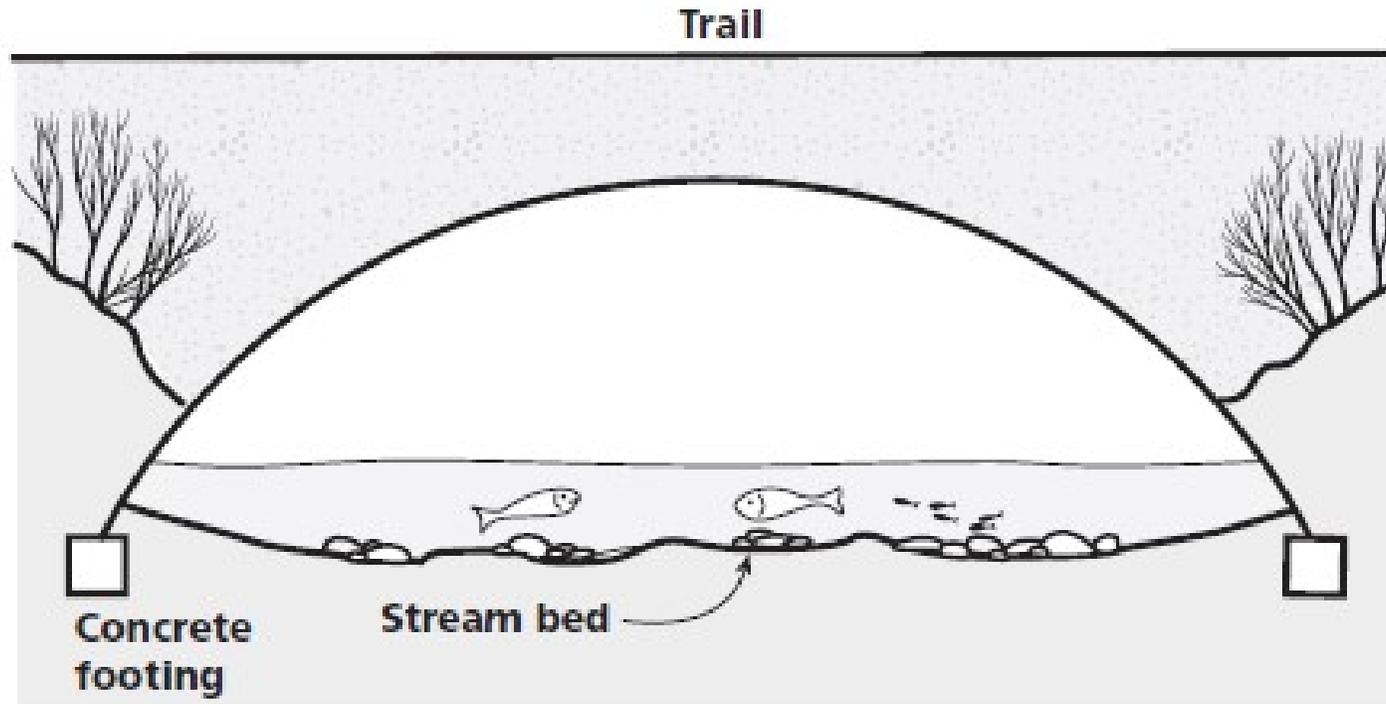
Ideal pavement materials? Boardwalks, asphalt trails, concrete trails, and other porous materials

Trail Closure



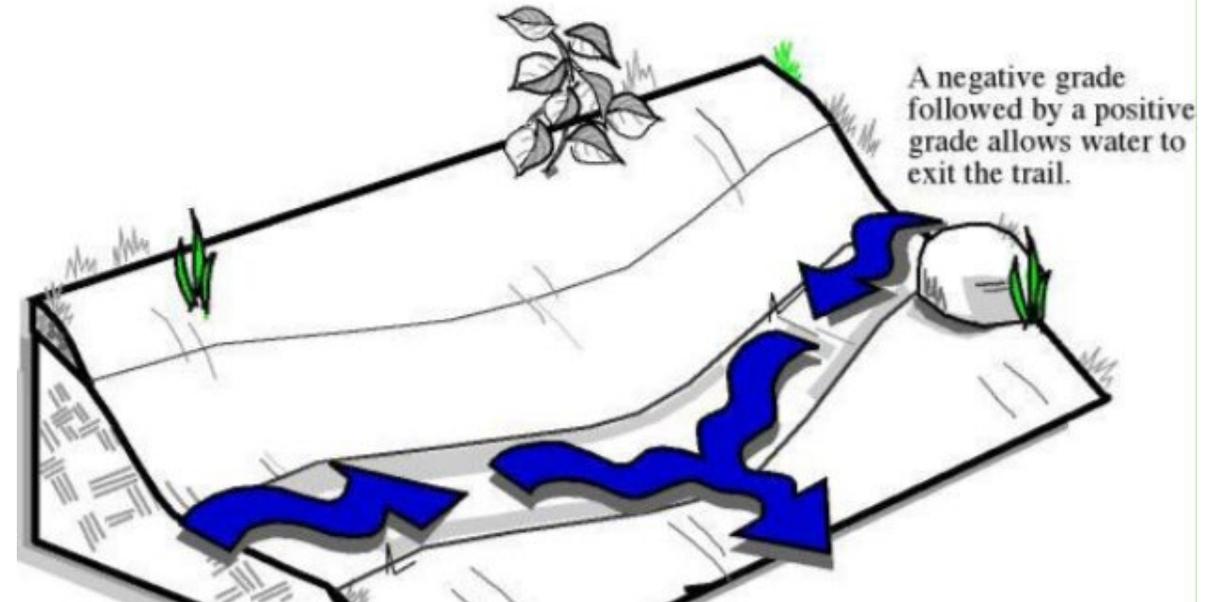
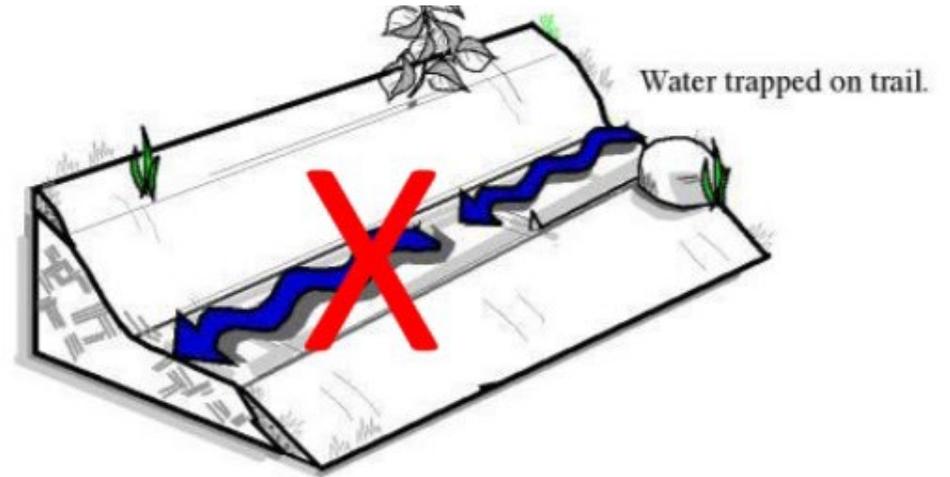
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For trails that are near water habitats, ensuring that trail closures and appropriate detours take place during key spawning times to alleviate the stress on the organisms. Additionally, collaboration between hydrologists and wildlife biologists can help in the planning efforts for stream crossings.



Trail Slope

When designing a trail, aligning the construction with the maximum slope height is essential to promote precipitation runoff along the grade and to prevent a gully from forming. Grade reversals should also be considered in hopes of movement for water to the nearest waterway system as well.



Other Content Recommendations?



THANK YOU!

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Mid-Ohio Regional Planning Commission

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