



Lebanon Hills Regional Park Sustainable Trails Study Improvements

February 11, 2025
Mike Adams, Senior Project Manager
Physical Development Committee

Overview



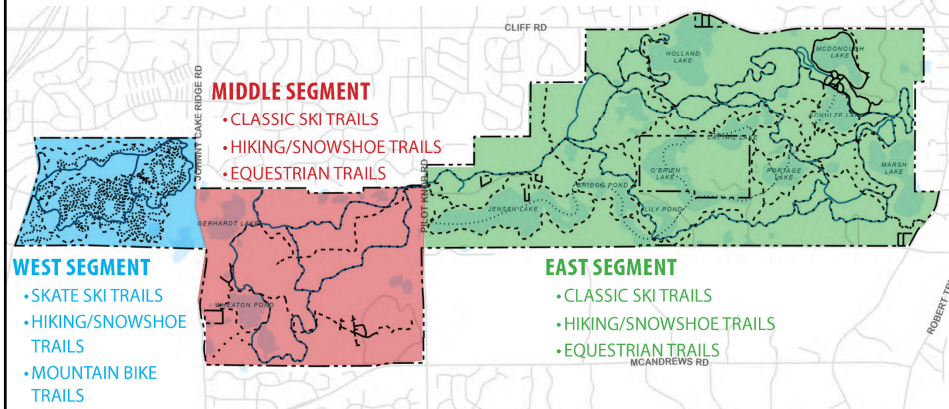
- Background
- Project Purpose
- Recommendations
- Phasing
- Questions and Discussion



Background



- Park signature: trail recreation, 50 miles of trails
- Significant natural resources
- One million visitors



Project Purpose



- Improve the physical, ecological, and economic sustainability of the trail system based on a technical assessment.

Stakeholders

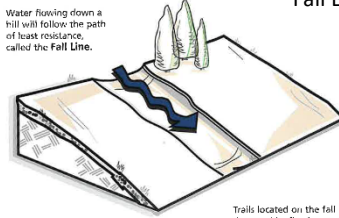
- Wilderness in the City
- Minnesota Off-road Cyclists
- Equestrian Users
- Skate Ski Users

Recommendations



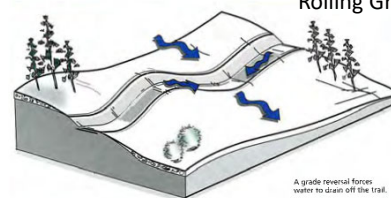
1. Trail realignments to improve visitor experience and safety and to address unmanageable erosion
2. Techniques to slow and drain water away from trail to address manageable erosion

Water flowing down a hill will follow the path of least resistance, called the Fall Line.



Fall Line Trail

Trails located on the fall line will be damaged by flowing water.



Rolling Grade

A grade reversal forces water to drain off the trail.

Image source: *Managing Mountain Biking. IMBA's Guide to Providing Great Riding. 2007*

Trail Decommissioning



TRAIL EROSION ON DECOMMISSIONED TRAILS

MINOR TRAIL EROSION

- Trail erosion less than 6" deep
- Trace amount of visual erosion



MODERATE TRAIL EROSION

- Trail erosion 6-10" deep
- Significant visual erosion but no deep gullies



SEVERE TRAIL EROSION

- Trail erosion greater than 10" deep
- Deep gully erosion present

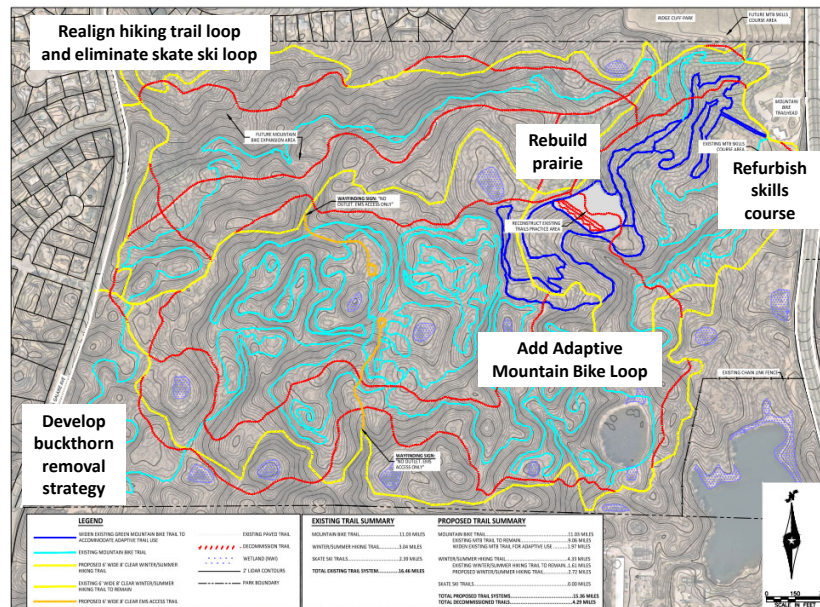


Dakota
COUNTY

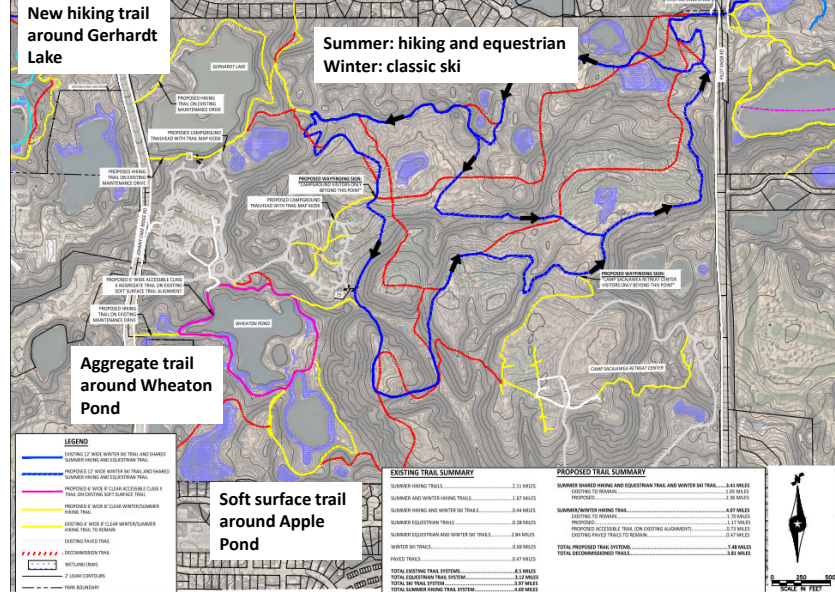


18280 | 2024.01.0

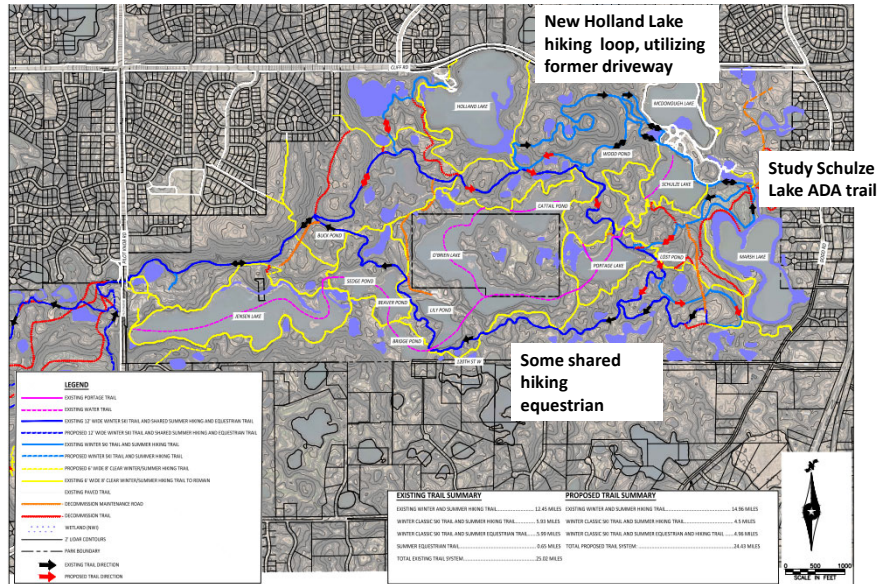
Dakota
COUNTY



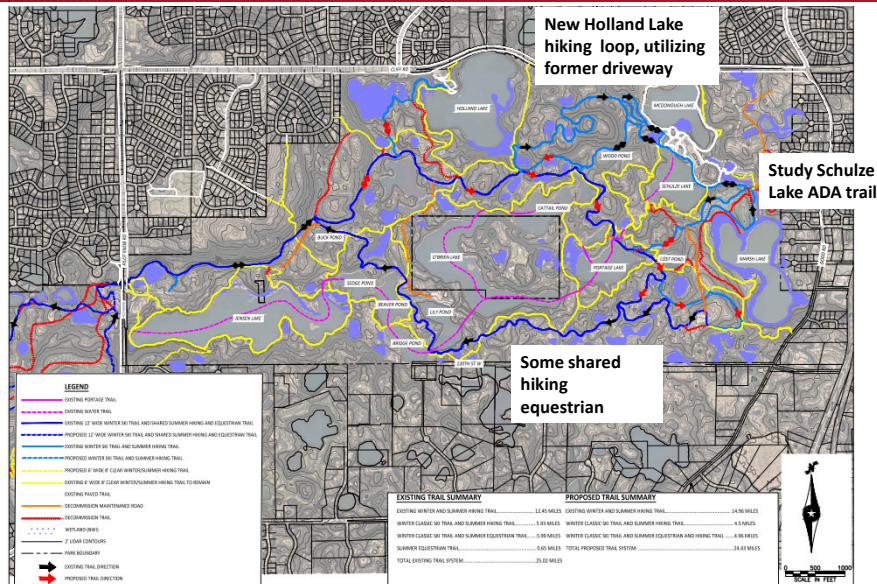
Dakota
COUNTY



Dakota
COUNTY



Recommendations: East



Phasing



December 2024 - Feb 2025

Public Engagement/Stakeholder Meeting

March 2025

60% Preliminary Design Complete

June 2025

95% Preliminary Design Complete

Fall 2025-2026

Construction/Trail Decommissioning

Questions and Discussion

Dakota
COUNTY

