



BOONE COUNTY TRAILS

Agenda

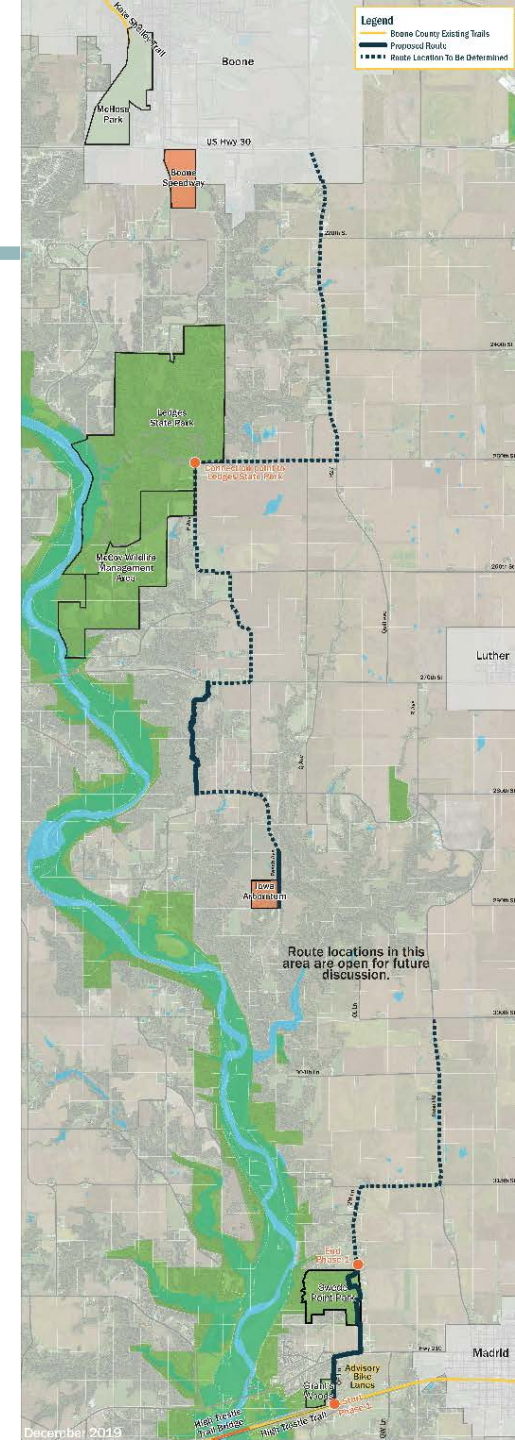
- Project Overview
- Supporting Plans
- Phase 1
- Funding
- Next Steps
- Q&A

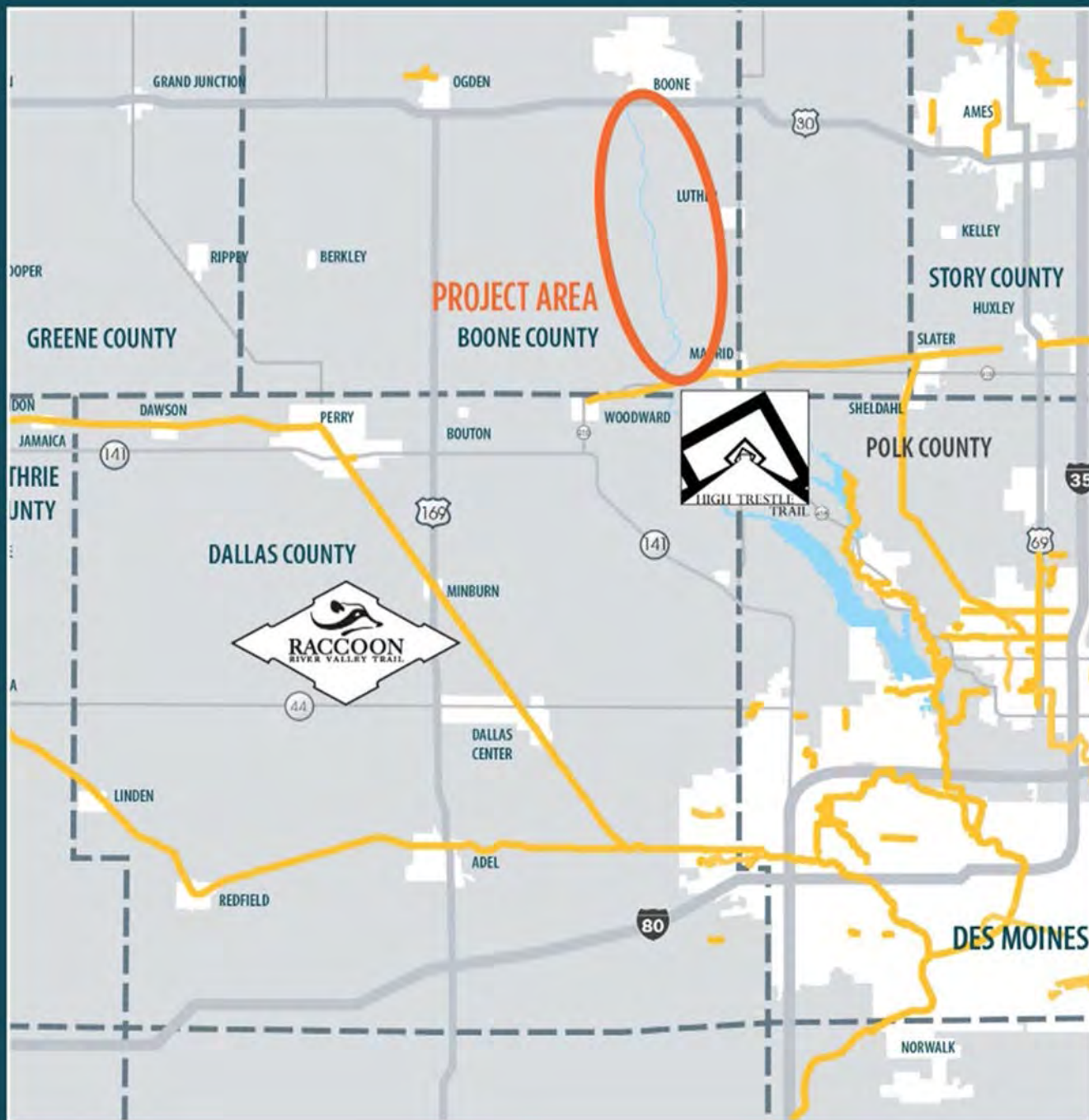


PROJECT OVERVIEW

Boone County Trails

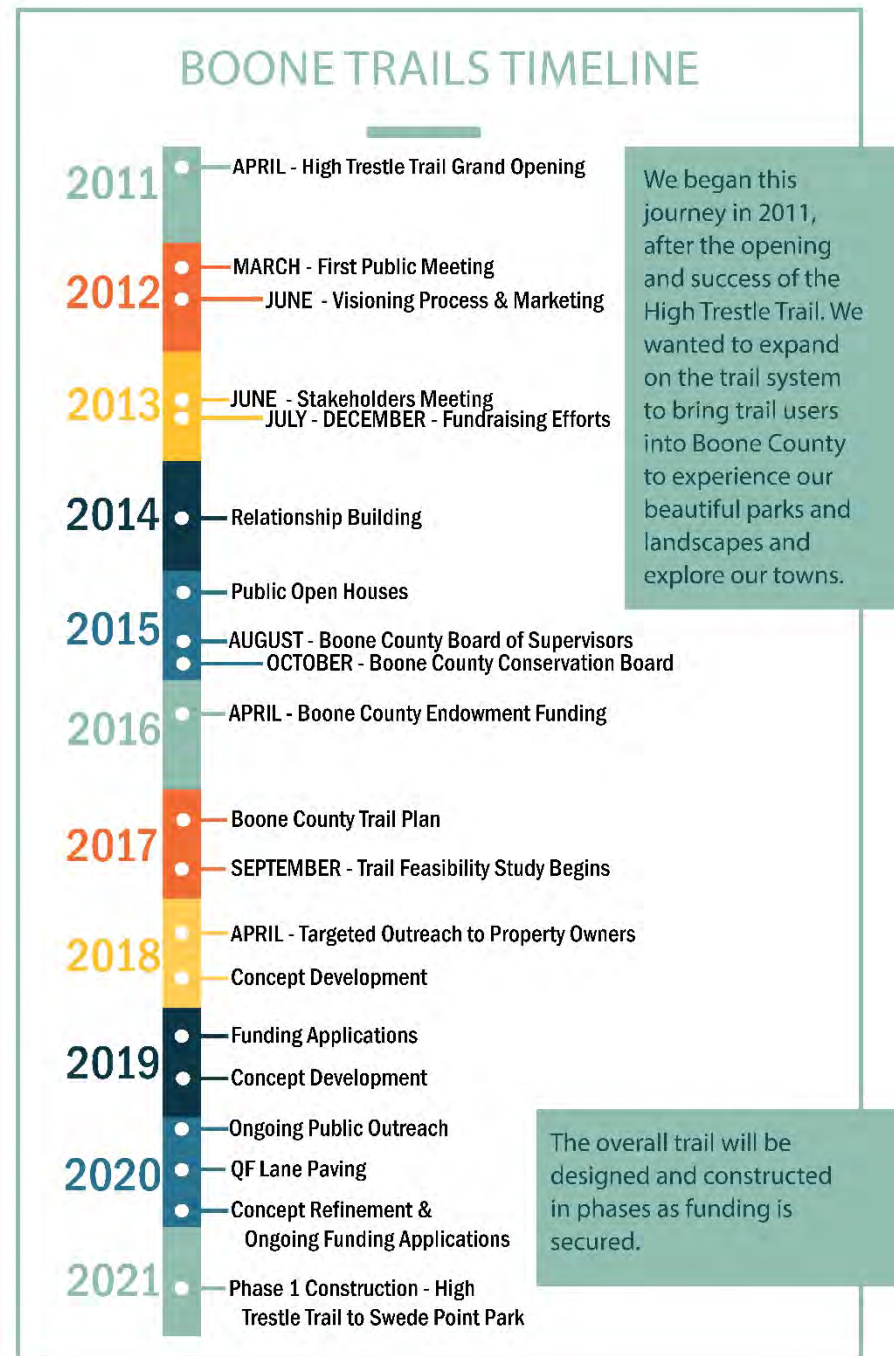
- Connecting places of interest and beauty through Boone County
- Phase 1 to connect High Trestle Trail to Swede Point Park
- Remaining phases to connect to the Iowa Arboretum, Ledges State Park, and the City of Boone
- ~16.7 miles





Timeline

- Efforts since High Trestle Trail opening
- Trail connection along Des Moines River identified in Iowa Trails Plan 2000



Support

- Boone County CVB
- Boone County Economic Growth Corporation
- Iowa Arboretum
- Iowa DNR (Ledges and McCoy)
- Iowa DOT

BOONE COUNTY TRAILS ADVISORY COMMITTEE



FIND US ON
FACEBOOK!

We are residents of this beautiful county who want to improve the quality of life by building a trail connection between the City of Boone and the High Trestle Trail near the City of Madrid.

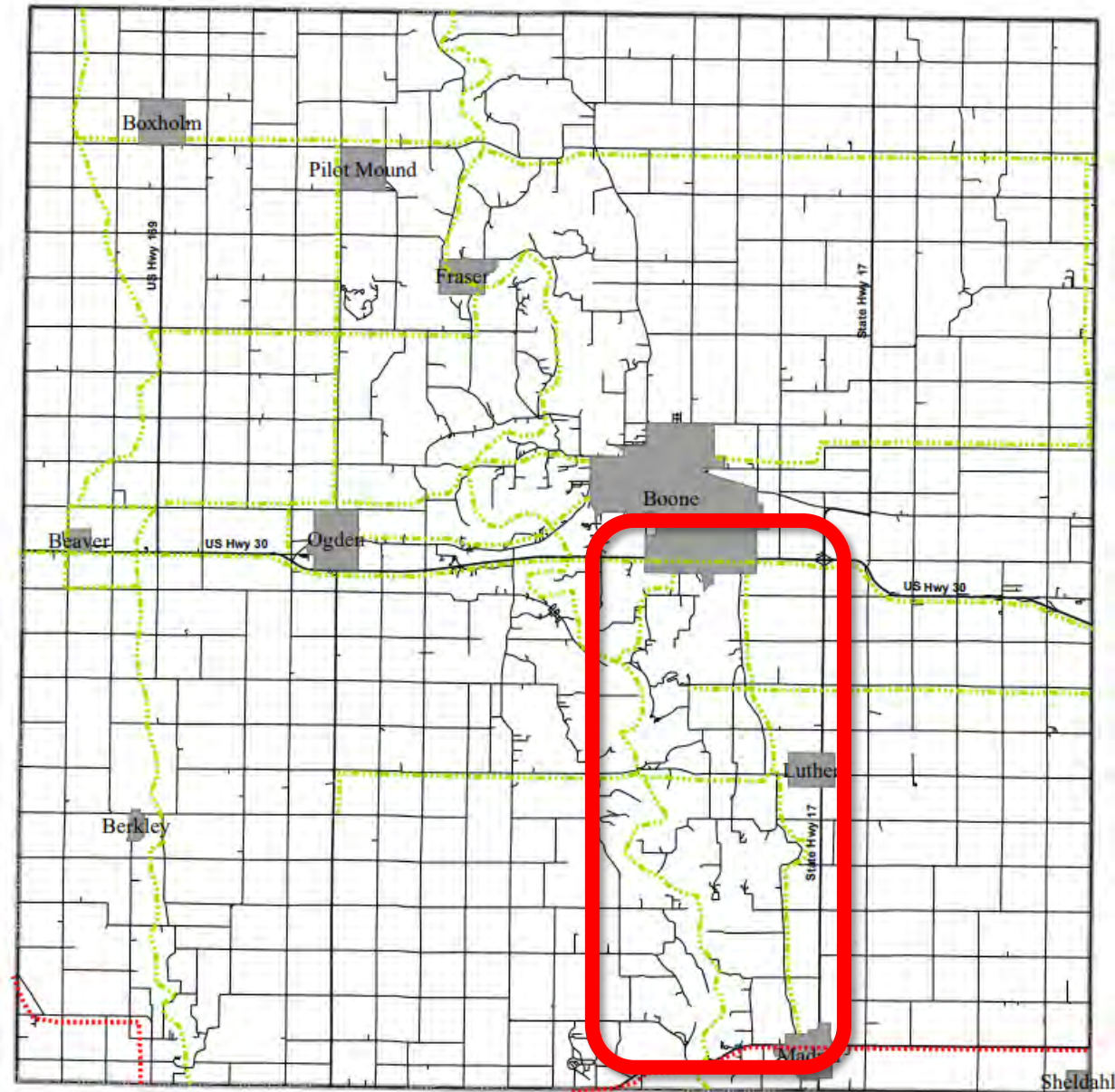
PROJECT PARTNERS & ADVISORS

Boone Parks Foundation
Boone County Chamber of Commerce
Boone County Economic Growth Corporation
Boone County Community Endowment
Boone County Conservation
City of Boone
City of Madrid
Madrid Area Chamber of Commerce
City of Ogden
Leonard A. Good Trust
Des Moines Area MPO
Iowa Natural Heritage Foundation
Iowa DNR
Iowa Arboretum
Army Corps of Engineers
Camp Hantesa
National Park Service

SUPPORTING PLANS

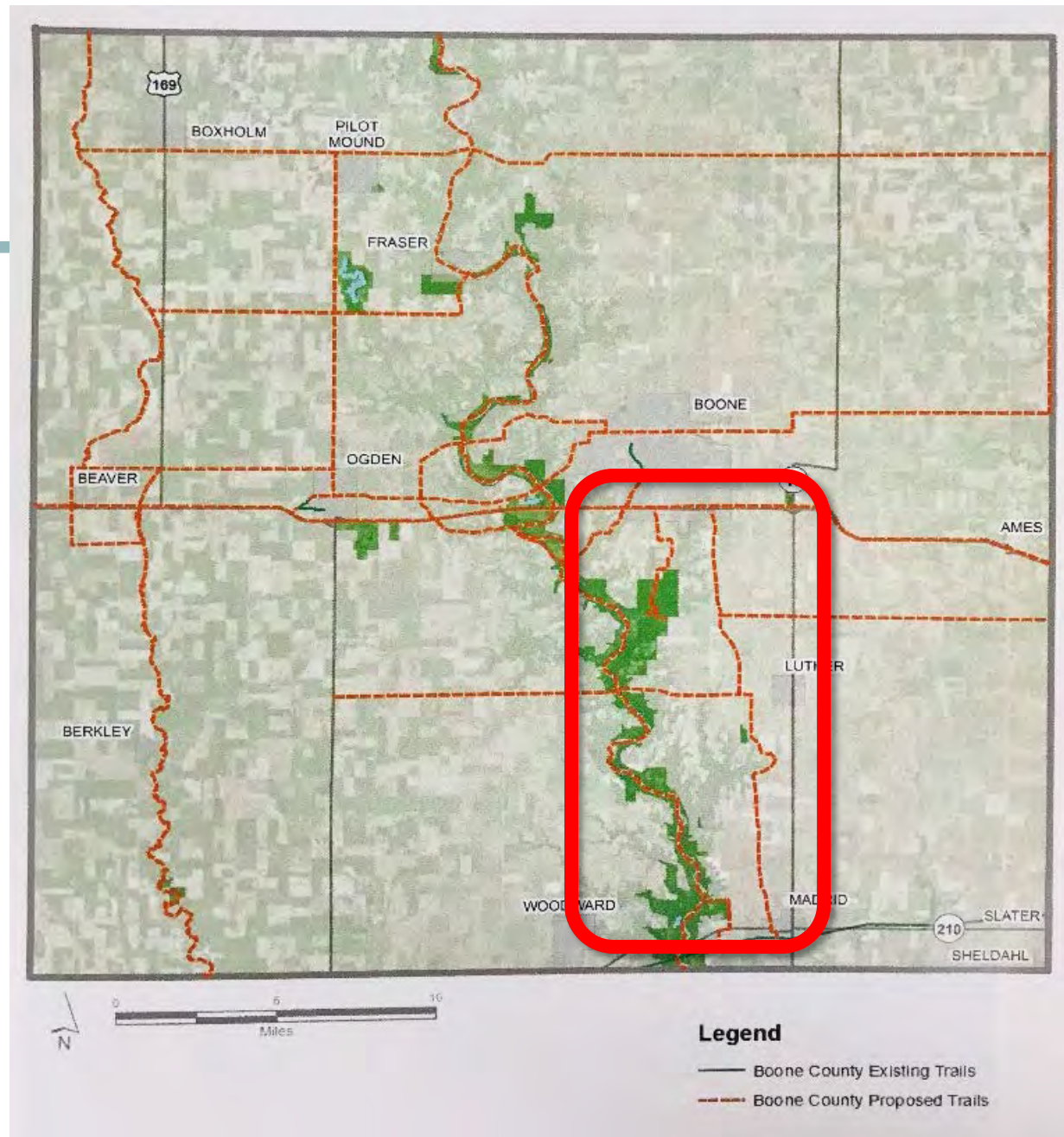
Boone County 2007-2027 Comprehensive Plan – Proposed Trails

Policy 10.11 Boone County will recognize the development of an integrated bicycle and pedestrian trail system to provide recreational opportunities and to link open space, Boone County communities, and park areas.



Boone County Trails Plan - 2017

The vision of the Boone County Trails Advisory Committee is to establish new trails that will be integrated into a world-class trail system, providing access to all areas of Boone County while connecting into the Central Iowa Trails network.



Regional Plans

Capital Crossroads 2.0 Strategy

Create an integrated regional transportation system, including public transit and a **network of land (bicycle and pedestrian) and water trails**

Boone Forks Regional Plan – 2018 - Hike, Bike and Paddle: A multi-use network

Access to the Des Moines River Valley, woodland areas, and numerous historic sites.

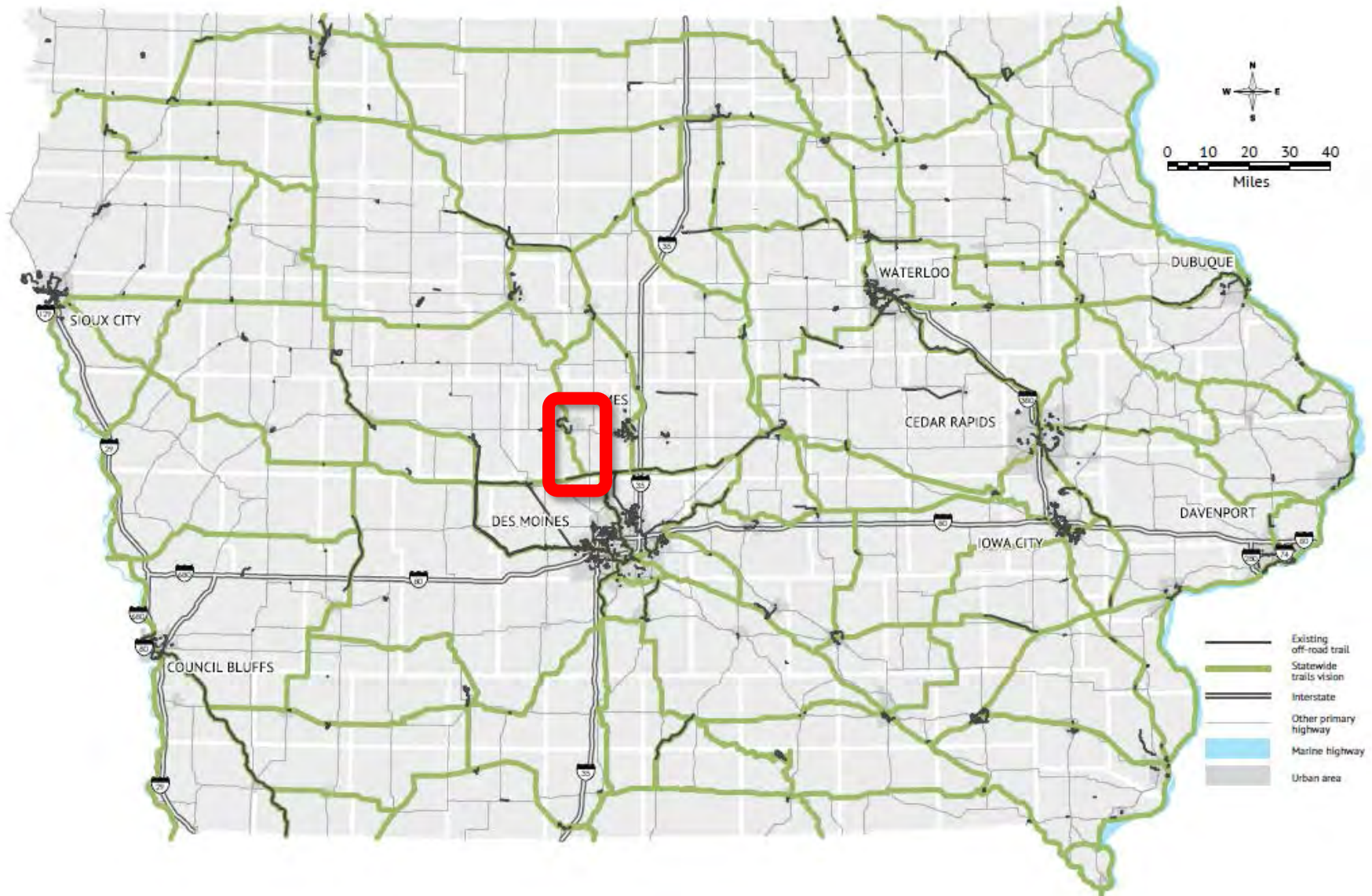
Opportunities to expand bike and water trails throughout the tri-county area.

Connect - Central IA Bicycle and Pedestrian Transportation Action Plan 2020

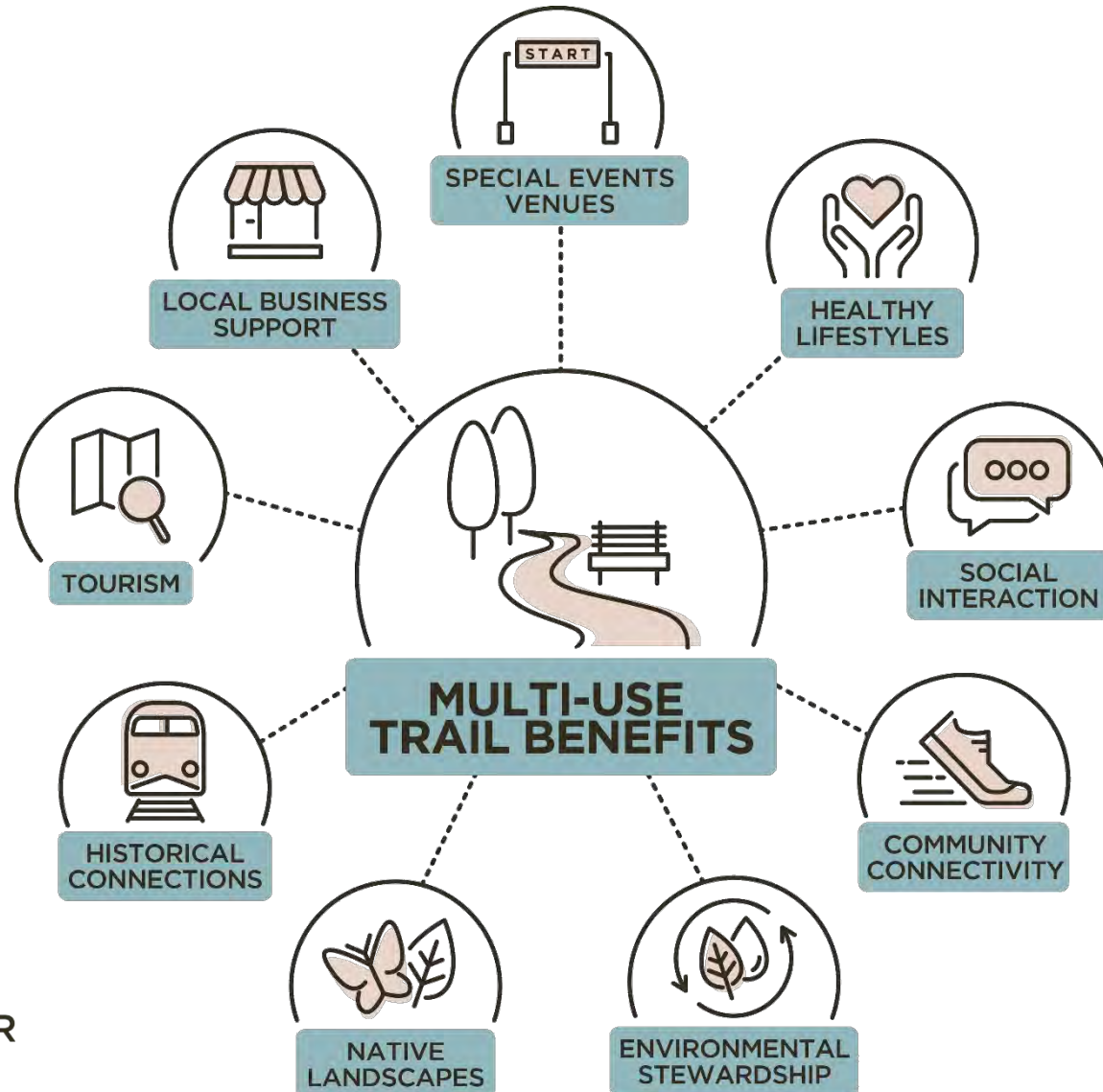
Goal 3 | Provide safe, accessible, and comprehensive bicycle friendly facilities throughout central Iowa.

*Goal 4 | Create a connected **regional multimodal trail system** offering convenience, mobility, and efficiency*

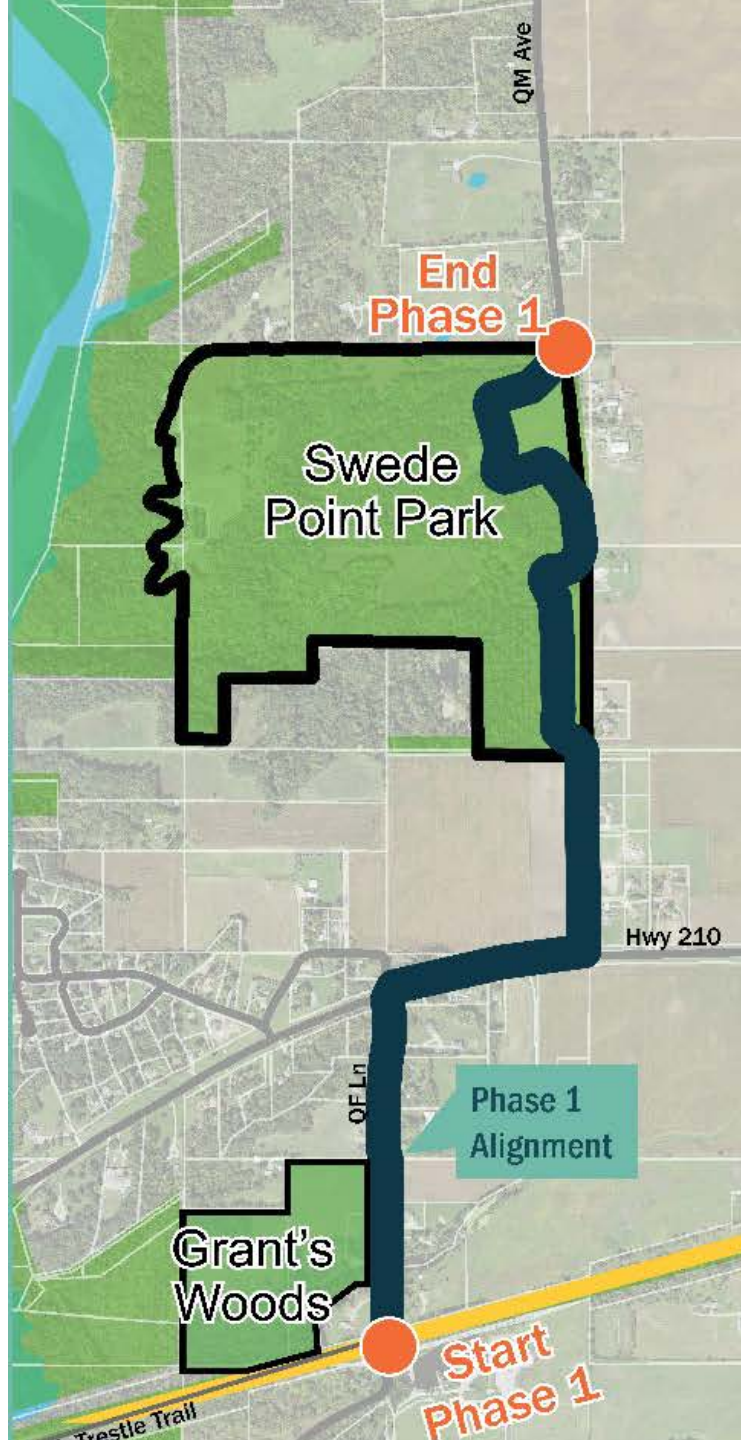
2018 Bicycle and Pedestrian Long-Range Plan – Iowa DOT



Why people like trails



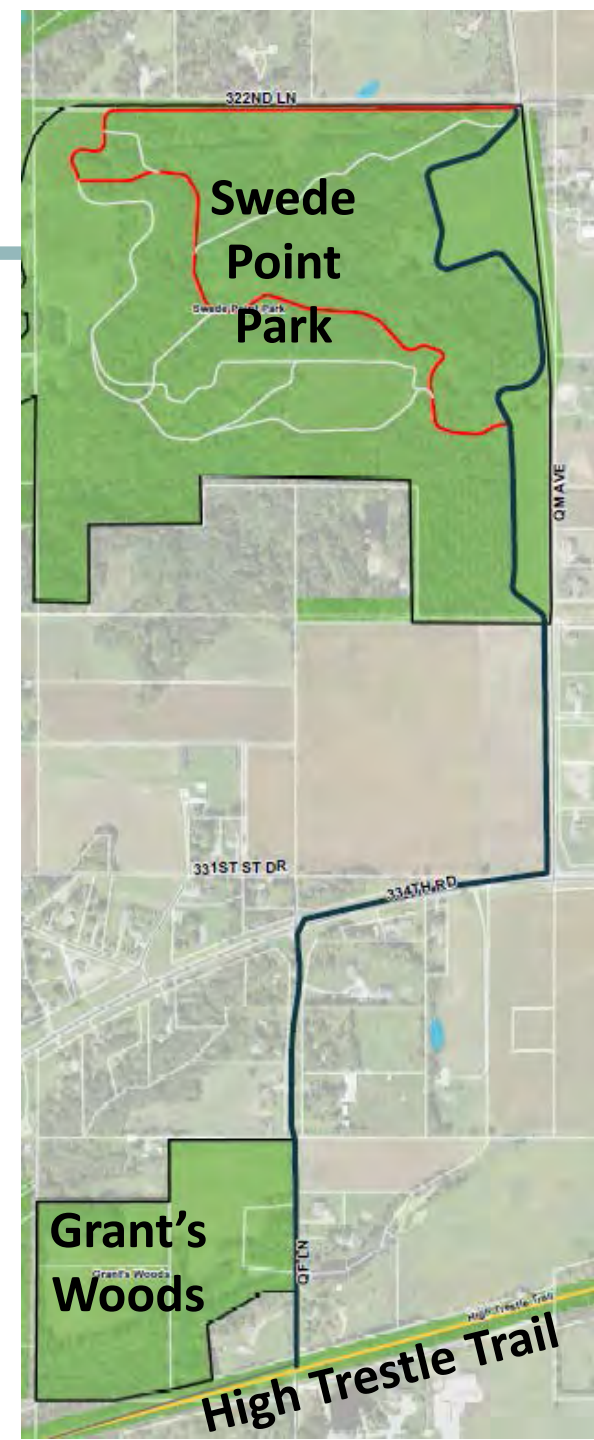
PHASE 1



Phase 1 Connection

High Trestle Trail to Swede Point Park

- ~1.5 miles
- Connects recreational activities of camping and biking



QF Lane – Advisory Bike Lanes

RISE Grant

- QF Lane is scheduled to be paved in 2020

Federal Highway Administration

- Standardizes pavement markings and signage
- Approved experimentation of Advisory Bike Lanes (ABLs)
- Previous experiments:
 - Minnesota, Illinois, Indiana, Colorado, Idaho, and Virginia
 - Concluded that ABLs were safe in those applications

What are Advisory Bike Lanes?

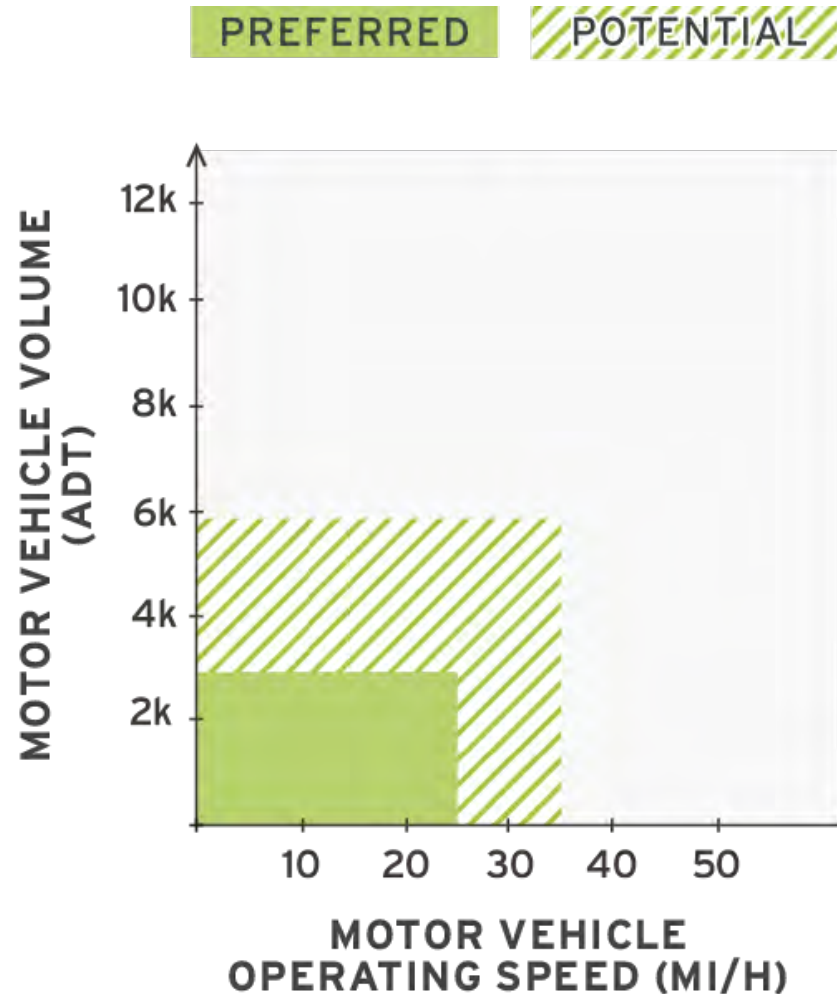
- **Advisory bike lanes (ABLs)** consist of a single center lane that supports two-way motor vehicle travel and a dashed edge lane on either side for one-way bicycle use
- An emerging facility type that may become a viable solution for completing rural trail routes throughout Iowa
- May be called advisory shoulders, dashed bike lanes, edge lane roads



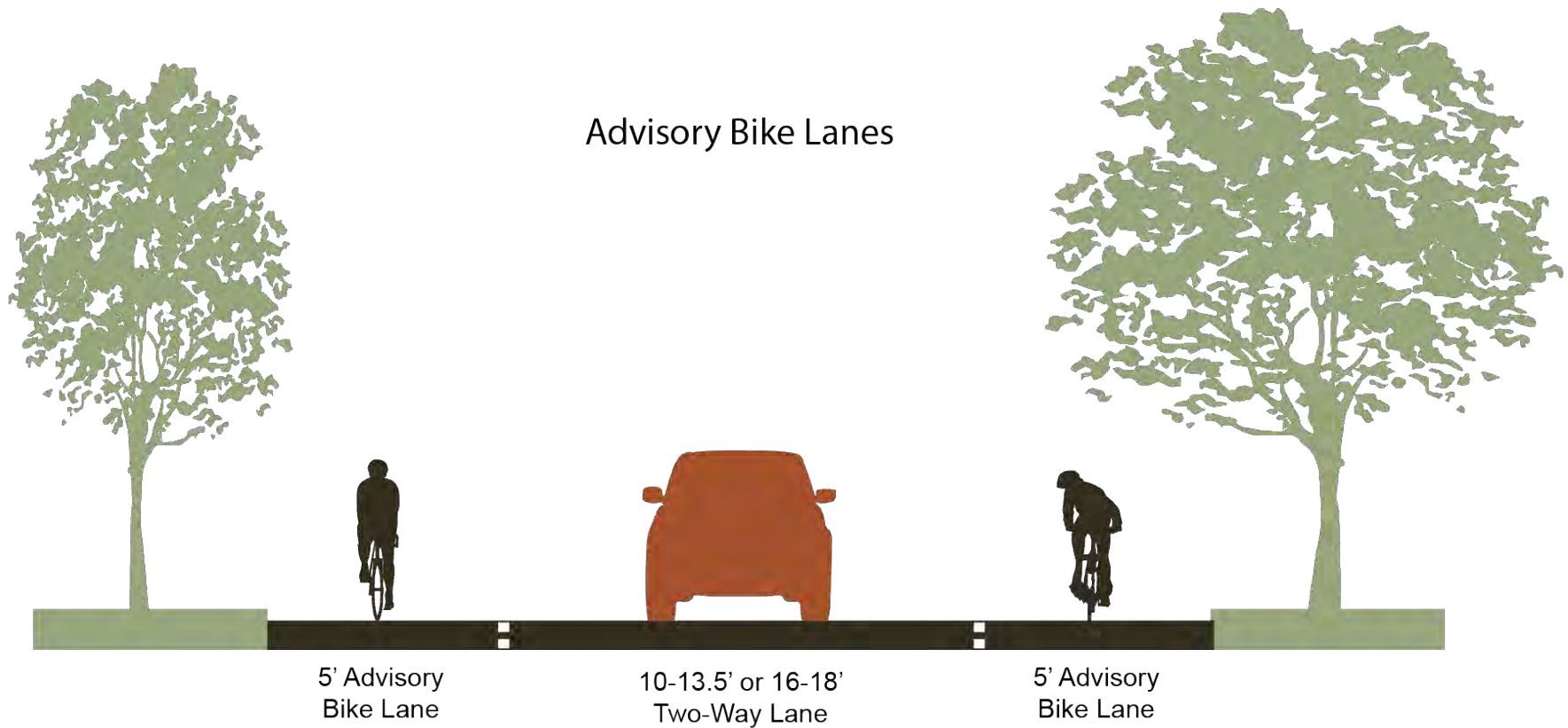
PHOTO: SCOTT ROBINSON, CITY OF BLOOMINGTON, IN

When/Where Should They Be Used?

- Lower-speed, lower-volume, two-lane roads
 - QF Lanes has 230 AADT in 2015
- Roads without center line striping
 - Good sight distance
- Roads too narrow for typical bike facilities
- Constrained connections between other facilities



Typical Dimensions



QF Lane will have a 16' wide center lane.

QF Lane ABLs

Before ABL Treatment



After ABL Treatment



Can They Accommodate Pedestrians?

Yes, ABLs can accommodate pedestrians on roads without sidewalks.

If pedestrians are permitted...

- TWSI (tactile walking surface indicators) must be used to be considered ADA compliant

Rural Setting Example: Valley Road Hanover, NH

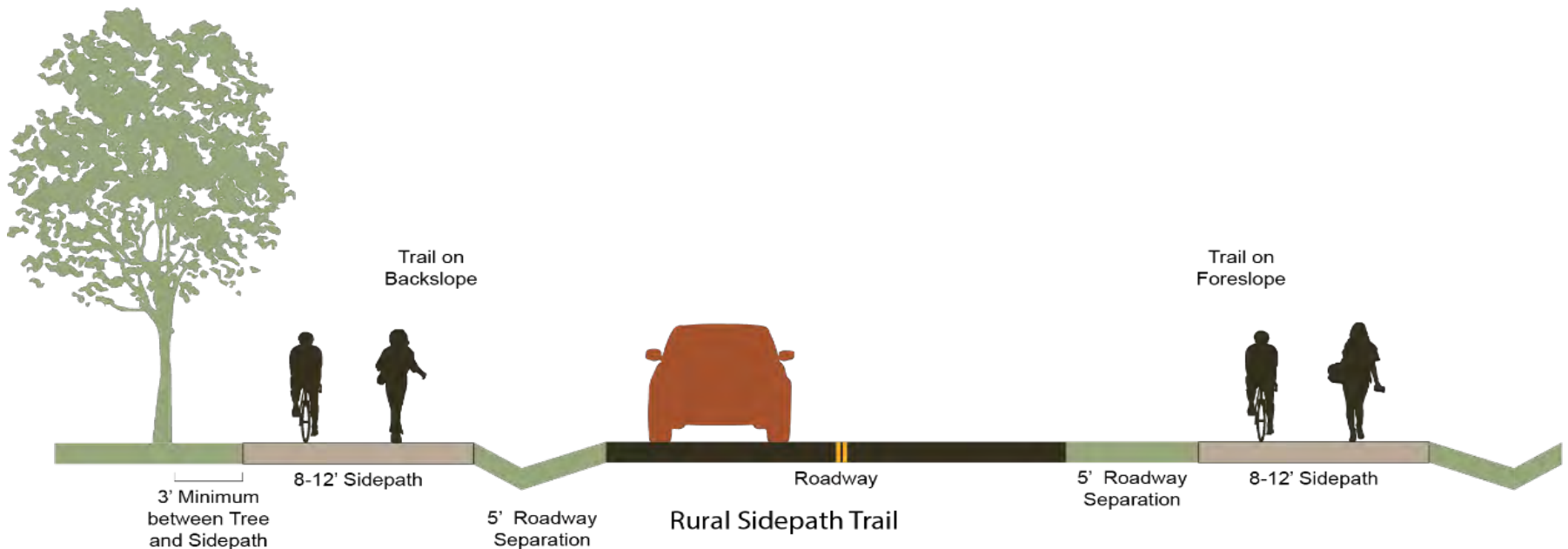
- Community preferred look of rural streets without sidewalks
- Road consistently used as a bike connection between neighborhoods



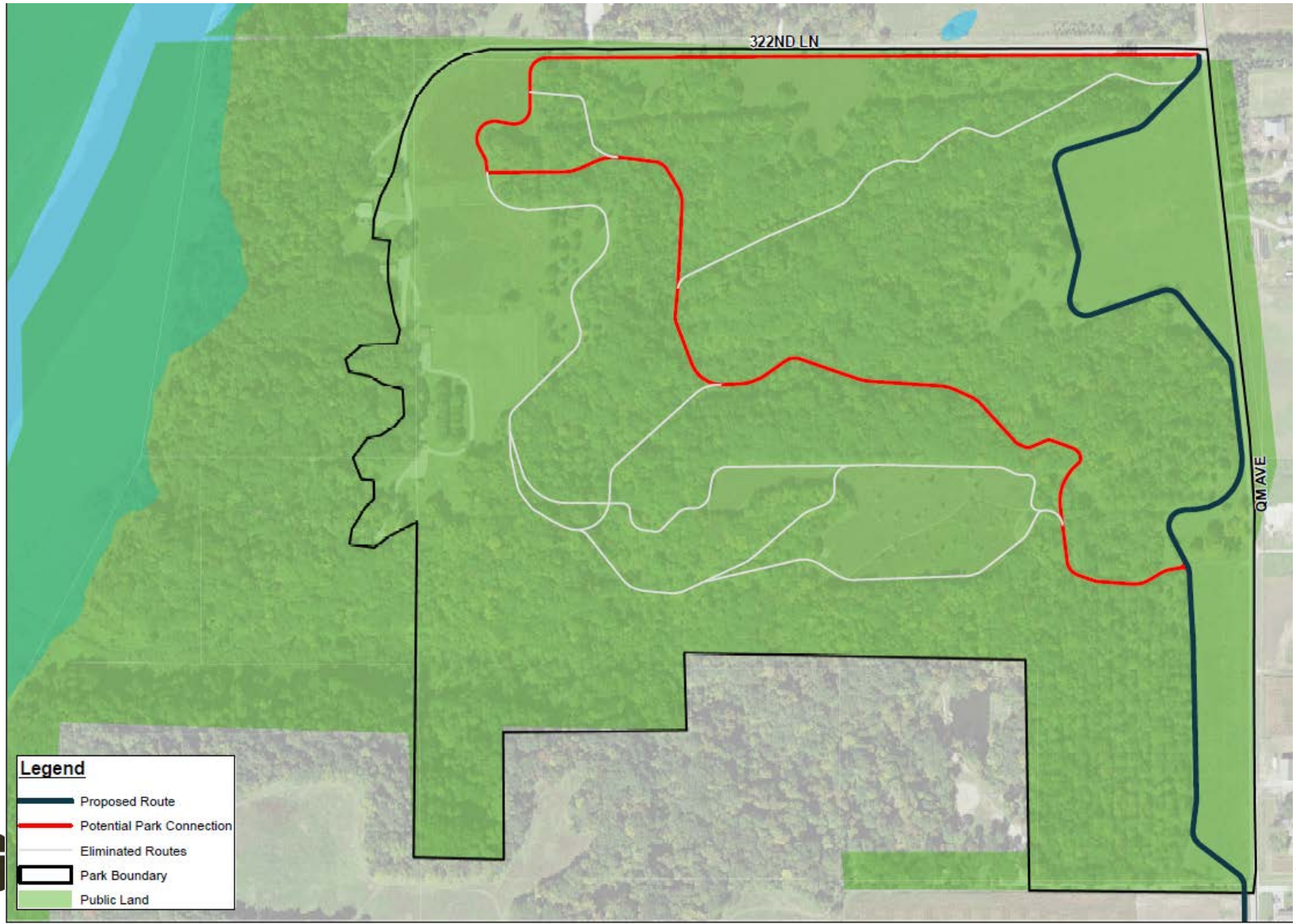
ADVISORY BIKE LANES IN NORTH AMERICA WHITE PAPER – ALTA PLANNING & DESIGN

Trail Placement in Road ROW

- Highway 210 and QM Lane
- The preferred location is a backslope trail.
- The second option would be a foreslope trail.



Connection to Swede Point Park



Route North of Swede Point Park

- Located along tree lines, parcel lines, field boundaries as offered by property owners
- Located within county road right-of-way, preferably with frontage from property owners



FUNDING

Trail Funding – Phase 1 *(not including QF Ln)*

\$418,000 est. Construction Cost

- \$100,000 Transportation Alternatives Program (TAP) Funds secured (2021)
- \$10,000 committed by Trails Advisory Committee
- Seeking additional funding (~\$308,000)

Other Common Funding Sources:

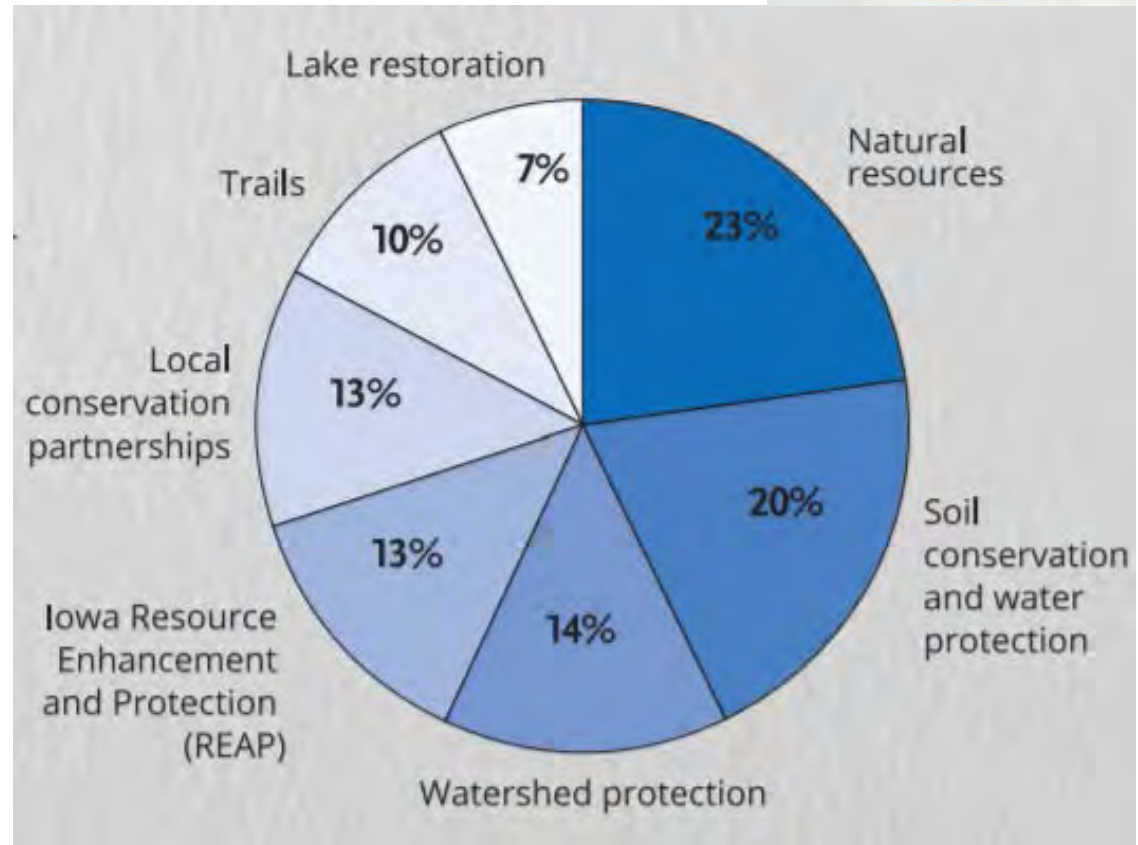
- State Recreational Trails
- Federal Recreational Trails
- Resource Enhancement and Protection

Potential Future Funding



The Natural Resources and Outdoor Recreation Trust Fund was created by Iowa voters in 2010

Will be funded if the State raises the sales tax by at least 3/8 of a cent.



NEXT STEPS

Next Steps

Phase 1

- Continue fundraising
- Meet with individual property owners along route
- Pave QF Lane - 2020
- Trail Design and Letting
 - 6-month DOT letting process
 - 2020-2021
- ABL Experimentation

Remainder of Plan

- Additional public meetings along route
- Coordinate with new ownership of former 4H Camp
- Fill in and refine conceptual alignments

QUESTIONS?

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