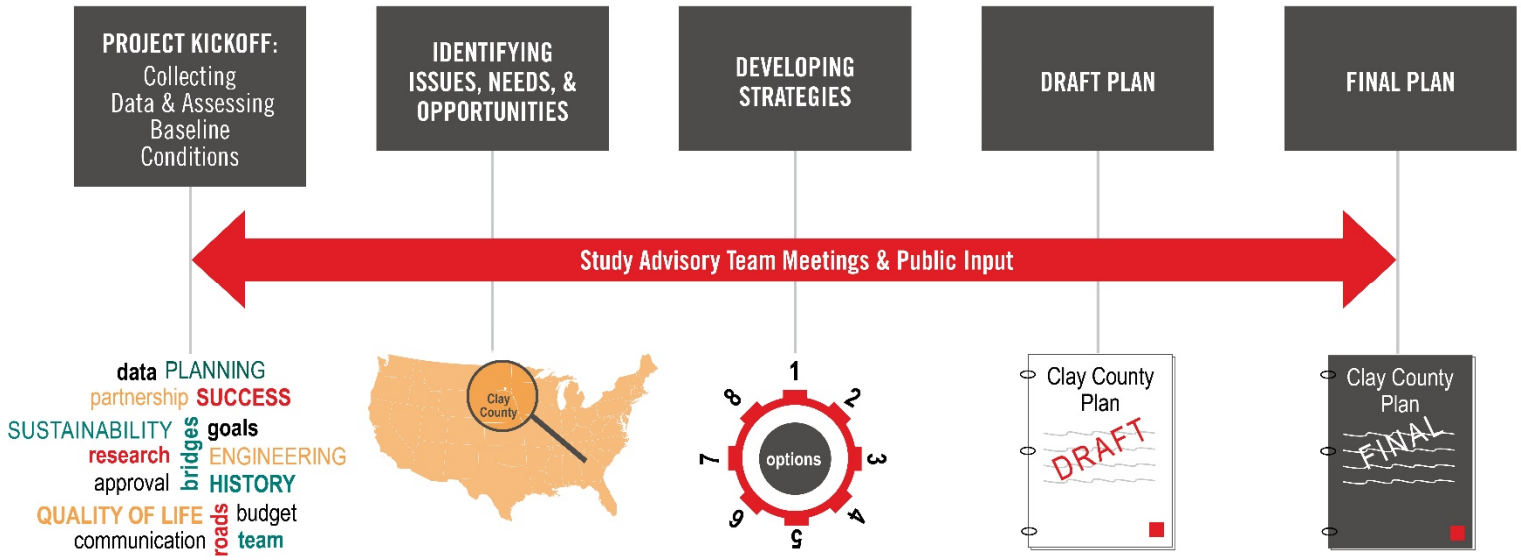
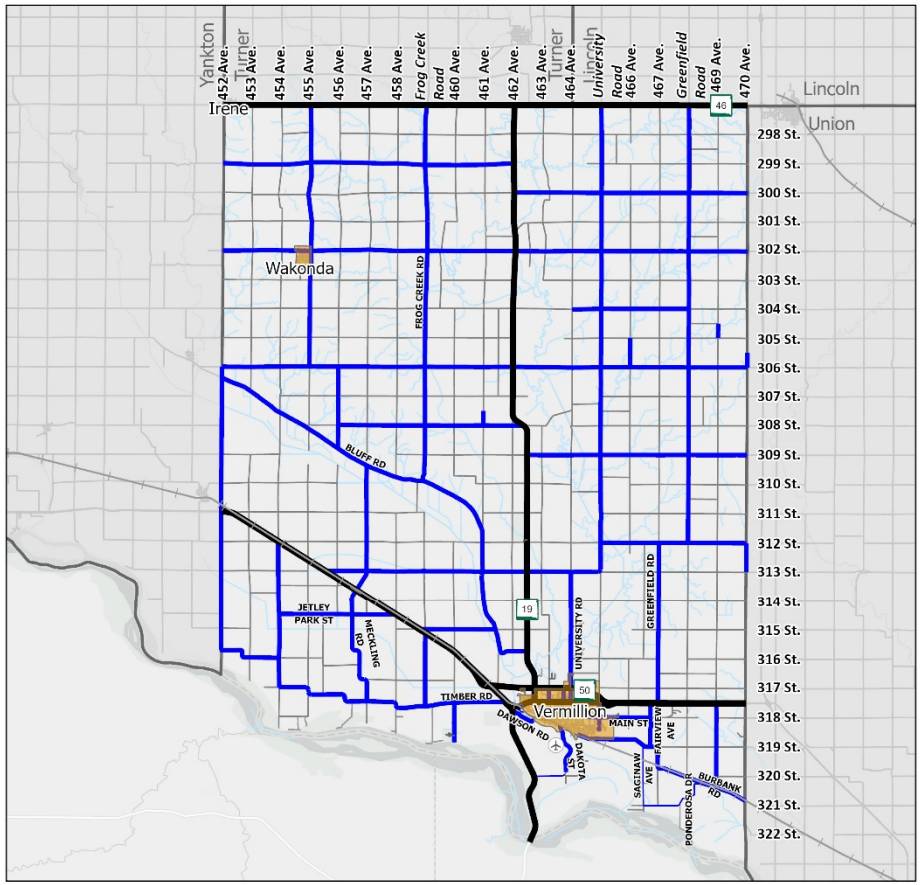
CLAY COUNTY MASTER TRANSPORTATION PLAN

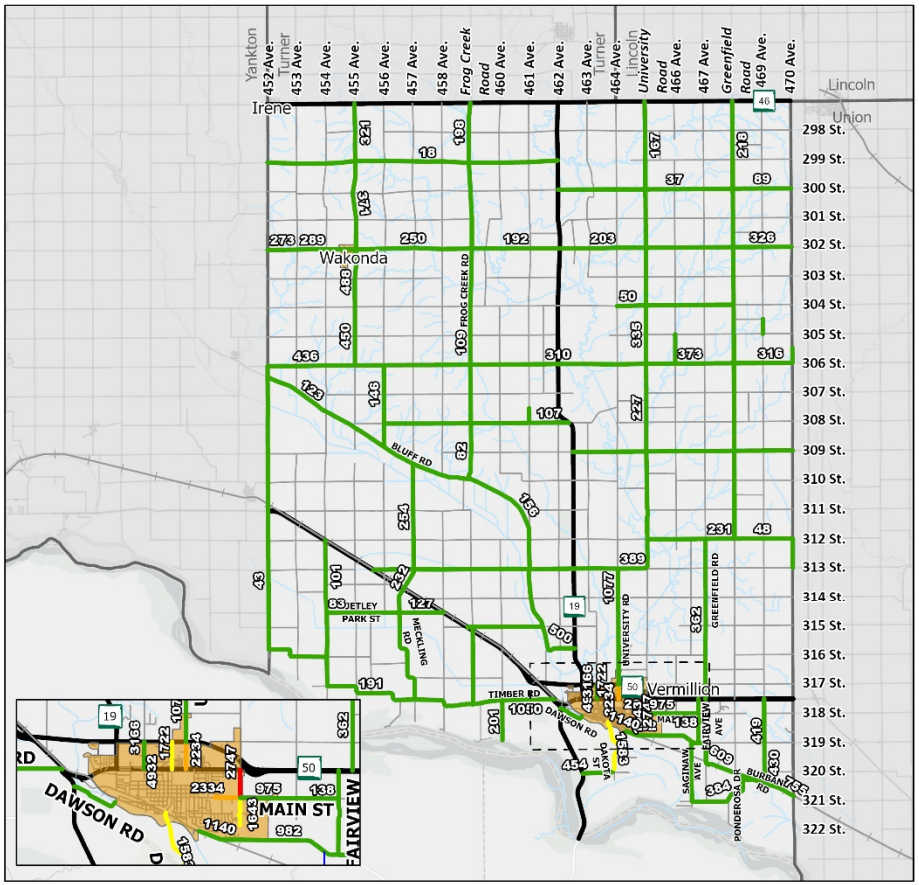
STUDY PROCESS



PATH TO YOUR NEW MASTER TRANSPORTATION PLAN

STUDY AREA AND EXISTING TRAFFIC VOLUME





City Street
Township System
County System
County Secondary System
State
Other
Railroad
Rivers

Clay County Master Transportation Plan
Study Area/ Jurisdiction

0 1 2 4 Miles

State
Local Roads
Vehicles/Day

County Roads: Planning Level Capacity Ratio
0.0 - 0.6
0.6 - 0.8
0.8 - 1.0
> 1.0

Clay County Master Transportation Plan
Existing Traffic Volume 2022

0 1 2 4 Miles

SPECIAL LOCATIONS WITH KNOWN ISSUES

457 Avenue: Narrow road, narrow structure and culvert parapets

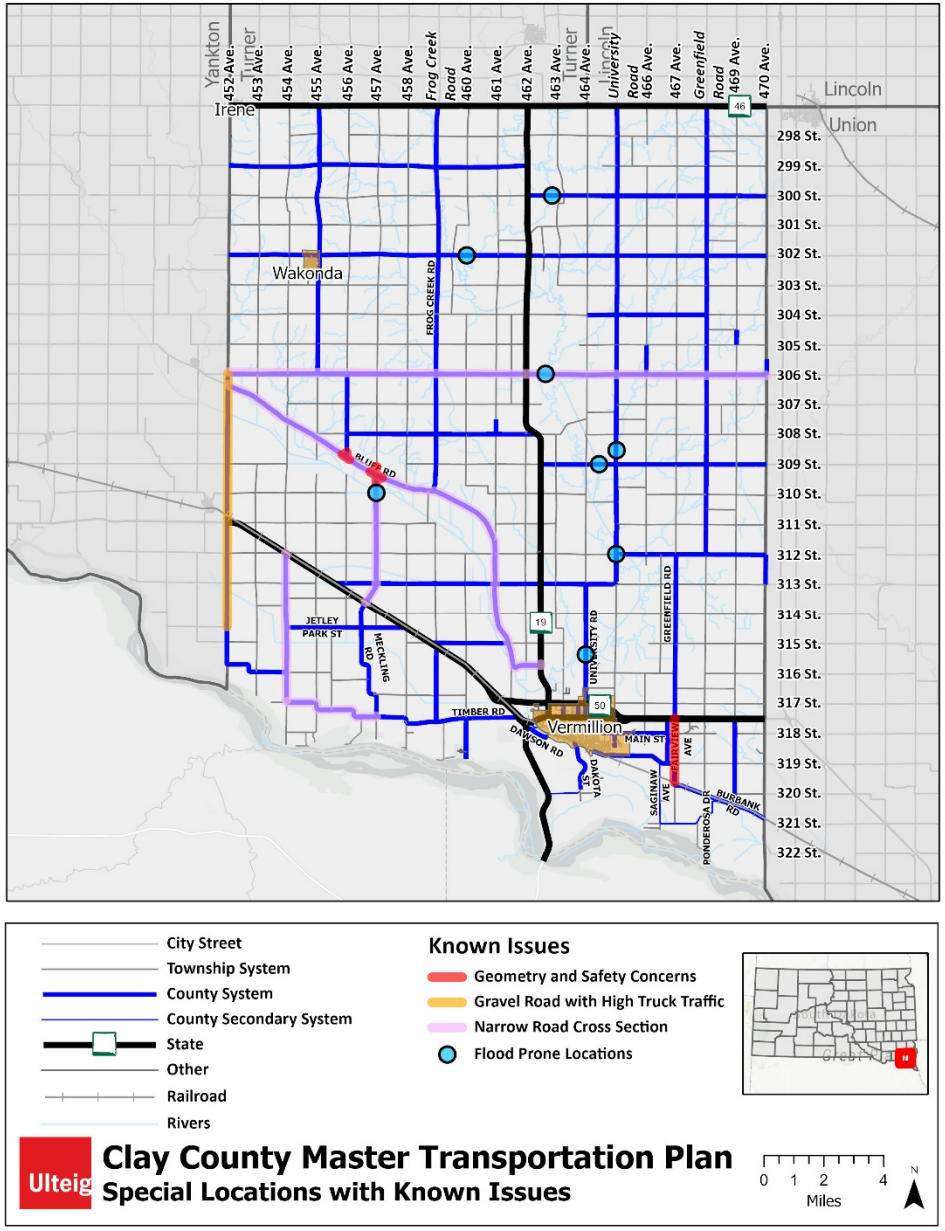
Fairview Avenue: Road geometry, safety concerns

Timber Road: Narrow road, steep inslopes

Bluff Road & 456 Avenue: Intersection geometry, safety concerns

452 Avenue: Gravel road with high truck traffic

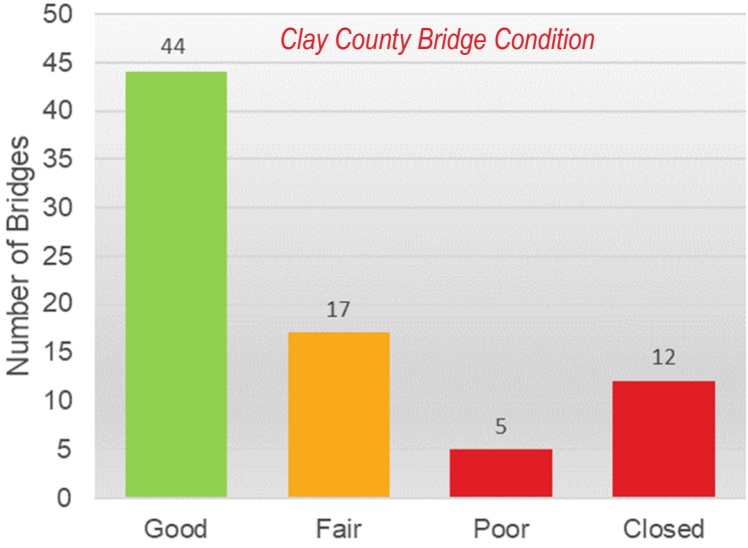
Bluff Road & 457 Avenue: Intersection geometry, safety concerns

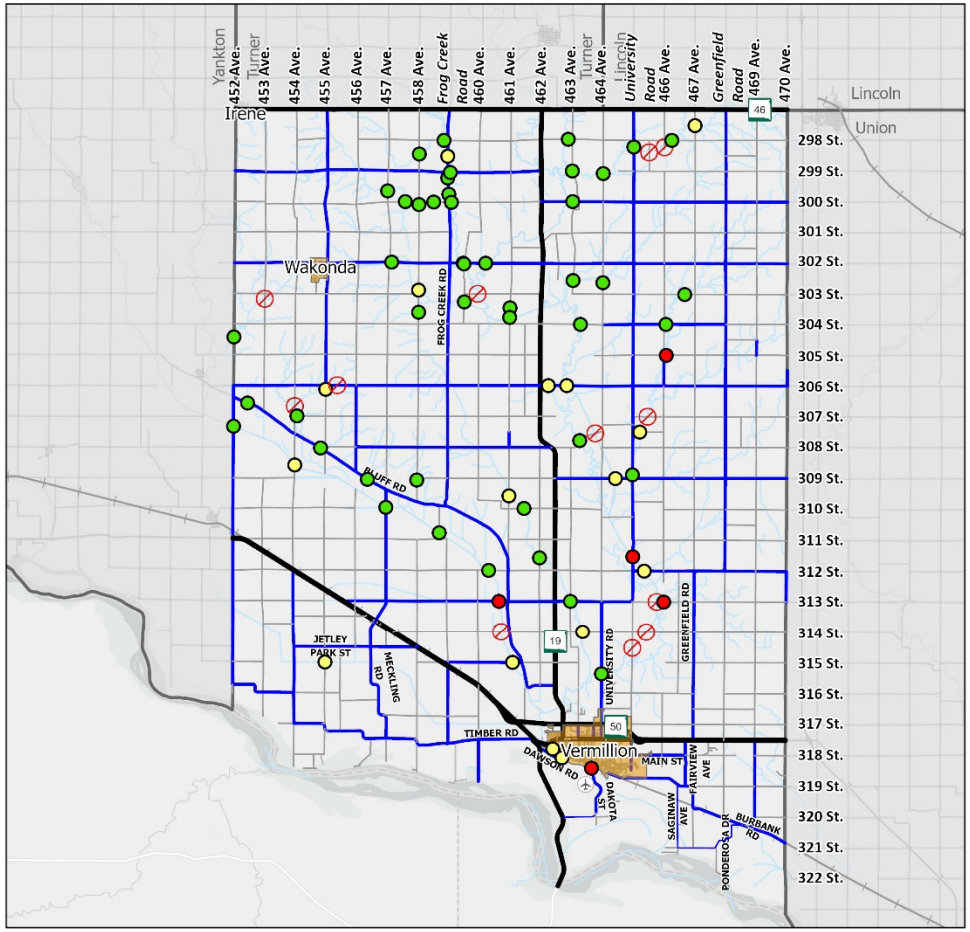


EXISTING BRIDGE CONDITIONS

Clay County owns and maintains 78 bridge structure crossings, and bridge inspections are conducted every 2 years. As a result of bridge inspections, the condition of bridges falls under one of three categories: Good, Fair, or Poor. Most of Clay County bridges are in Fair or Good condition (78%), but 17 bridges are currently in Poor condition (6%) or Closed (15%). Open bridges in Poor condition are structurally deficient, and have short or unknown remaining service lives, likely requiring high-cost repairs or replacement. Comparatively, in all of South Dakota, 25% of all county-owned bridges are in Poor condition.

At current funding levels, Clay County faces a difficult challenge to maintain all bridges in a state of good repair.





State
Local Roads
County/County Secondary

Bridge Condition
- Good (44 bridges)
- Fair (17 bridges)
- Poor (5 bridges)
- Closed (12 bridges)

Ulteig

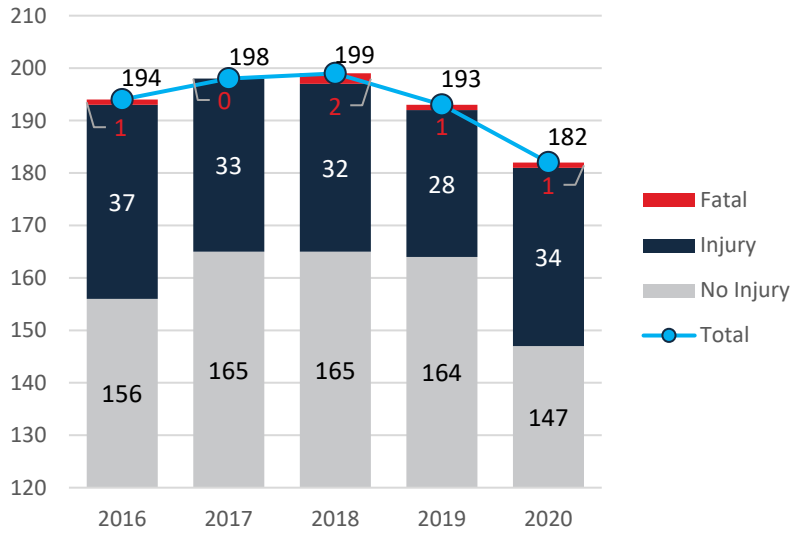
Clay County Master Transportation Plan
Existing Bridge Condition 2021

0 1 2 4 Miles

N

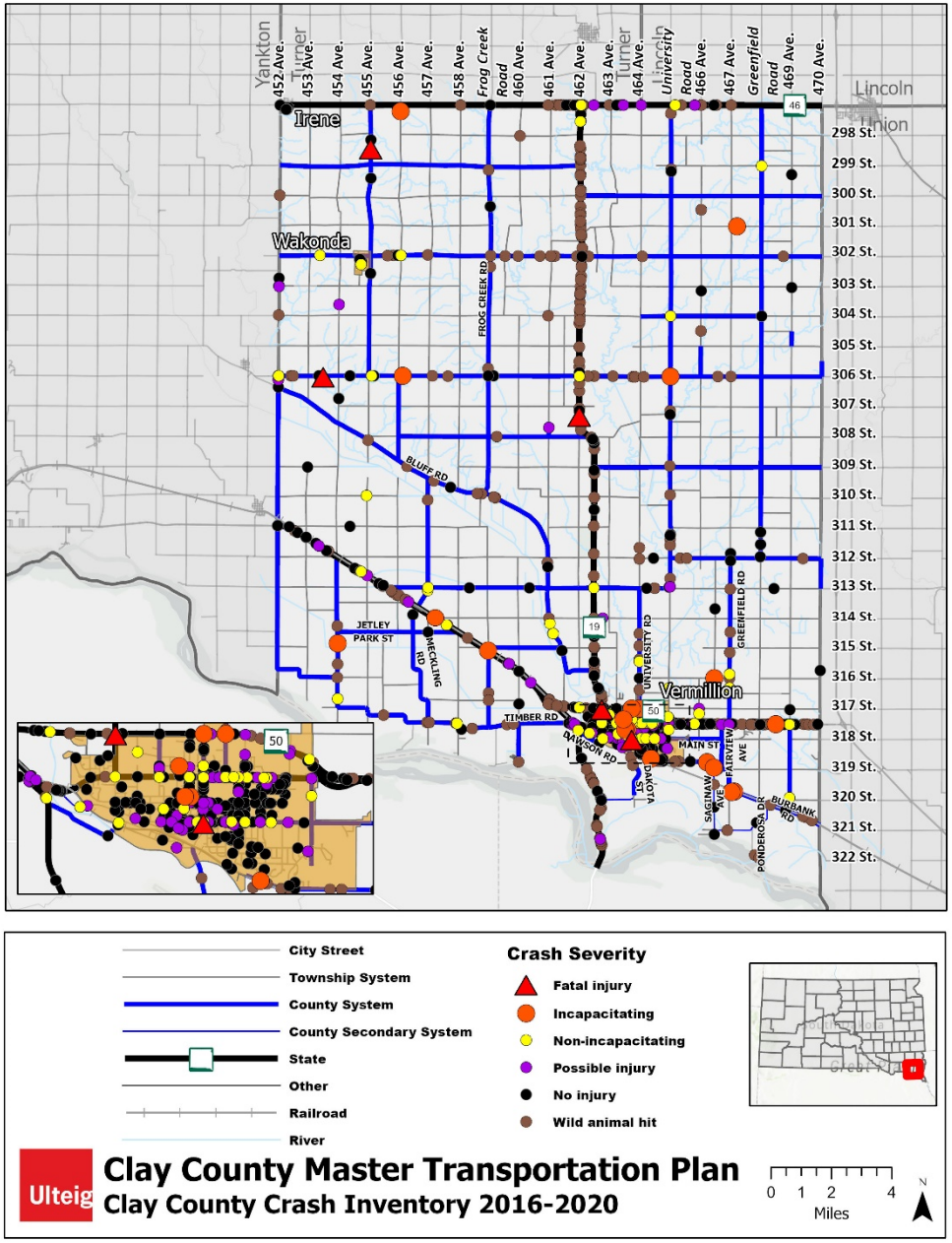
CRASH HISTORY

Clay County Crash Trends (2016-2020)

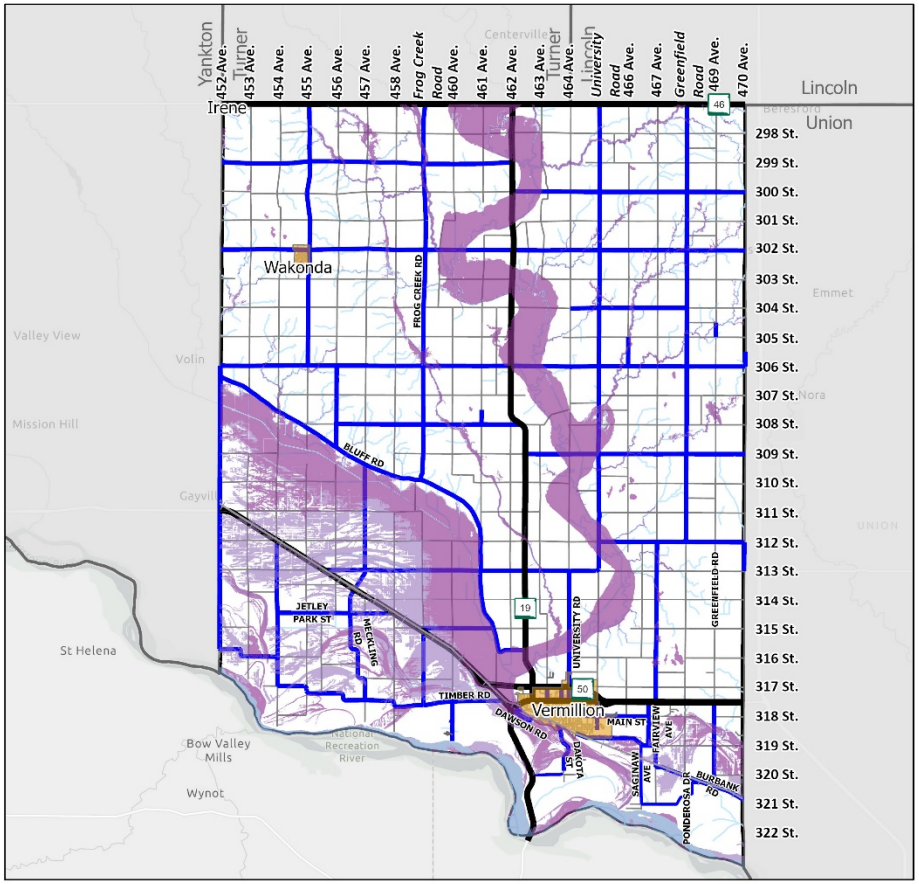


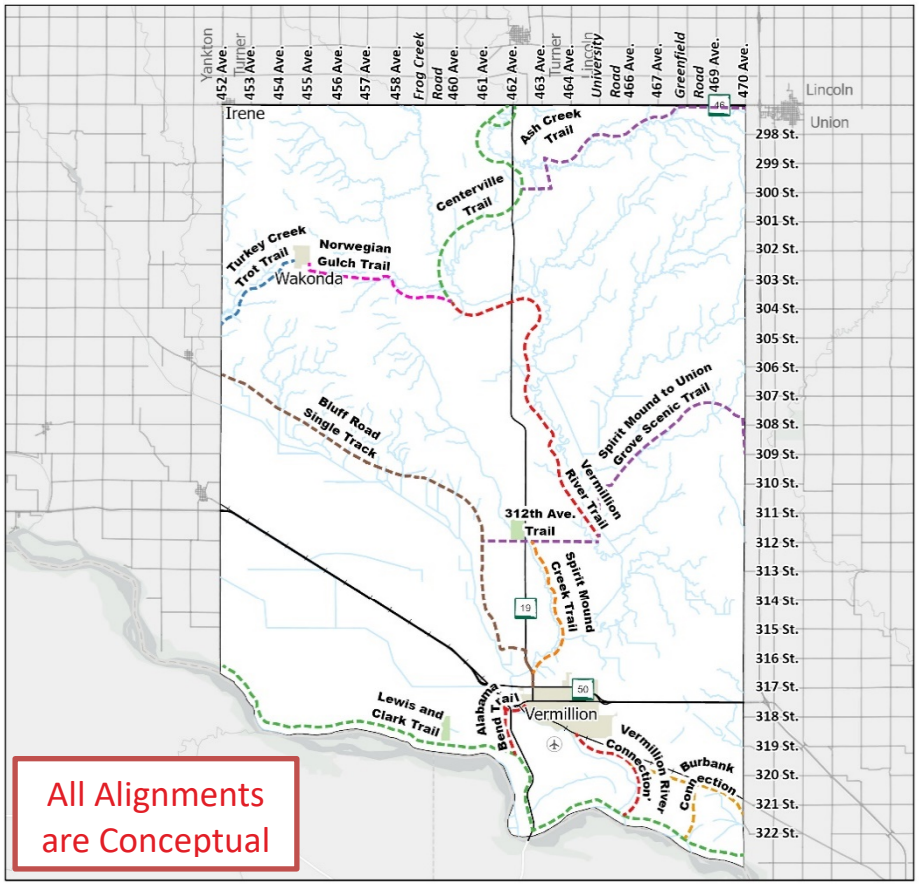
Clay County Crash Types (2016-2020)

Manner of Collision	Total Crashes	Serious Injury	Fatal Injury	Fatal/Serious Crash Rate
Wild Animal	325	1	0	0.3%
Angle	208	8	1	4.3%
1 Motor Veh - Ran off rd.	154	11	4	9.7%
Rear-End	99	0	0	0.0%
Parked Motor Vehicle	84	0	0	0.0%
1 Motor Veh - Other	50	1	0	2.0%
Sideswipe Same Dir.	27	0	0	0.0%
Sideswipe Opp. Dir.	9	0	0	0.0%
1 Motor Veh - Pedestrian	8	1	0	12.5%
Head-On	1	0	0	0.0%
Rear-To-Rear	1	0	0	0.0%
Total	**966**	**22**	**5**	**2.8%**



FLOOD HAZARD MAP AND BICYCLE & PEDESTRIAN TRAIL PLAN





All Alignments are Conceptual

Flood Hazard

- 100 Year Event
- 500 Year Event
- Regulatory Floodway

- City Street
- Township System
- County System
- County Secondary System
- State
- Other
- Rivers
- Railroad

Ulteig

Clay County Master Transportation Plan
Flood Hazard Areas (FEMA 2020)

0 1 2 4 Miles

N

Phasing

1. Alabama Bend Trail
2. Spirit Mound Creek Trail
3. Vermillion River Trail
4. Burbank Connection
5. Lewis and Clark Trail
6. 312th Ave. Trail & Spirit Mound to Union Grove Scenic Trail
7. Bluff Road Single Track
8. Vermillion River Connection'
9. Norwegian Gulch Trail
10. Turkey Creek Trot Trail
11. Centerville Trail
12. Ash Creek Trail

- State Highway
- Park

Ulteig

Clay County Master Transportation Plan
Bicycle/Pedestrian Trail Plan

0 1 2 4 Miles

N

GETTING INVOLVED

STAY CONNECTED

Receive updates and announcements by visiting our website and submitting your email address: ulteig.com/claycountymtp/

STAY TUNED FOR PUBLIC MEETING #2

Public Meeting #2 is scheduled for Fall 2022. A public notice will be posted in the local newspapers.
Add your email address on the comment form to receive a direct invitation.

INTERNET SURVEY QUESTIONNAIRE

The internet survey is a great tool utilized early in transportation plan development process.
Please compete the survey to share your experience using the Clay County Transportation Network. The deadline to complete the survey is April 25, 2022.

INTERACTIVE MAP

The interactive map is a great way to locate any specific comments or concerns using an online GIS application.
On the project website, mark the location on the map with a pin or line, write your comment in the empty comment field, and submit.

LEAVE A COMMENT

If you have additional comments about the project, please fill out the comment form on the project website.

If you have and direct questions or concerns, please contact one of the project managers listed below:

Steve Gramm (Steve.Gramm@state.sd.us) or Will Kerns (William.Kerns@ulteig.com)

SD DEPARTMENT OF TRANSPORTATION

Clay County, South Dakota

U.S. Department of Transportation Federal Highway Administration

Ulteig