



McKenzie County
1300 12th Street SE, Suite 240
Watford City, ND 58854
Ph. 701-444-2600
county.mckenziecounty.net

MEETING AGENDA
PUBLIC WORKS SUBCOMMITTEE
December 9th, 2024 at 01:00 pm CT

ATTENDEES:

AGENDA ITEMS

Item 1. Organized Township – Materials and Services Costs

Item 2. 2026 – 2030 Capital Improvement Plan

- a. Traffic Counts
- b. Pavement Condition Study

Item 3. 2025 Public Works Subcommittee Schedule



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Item 1. Organized Township – Material and Services Costs

What the County Pays:

2024 Class 13M Aggregate Surfacing (Stockpiled)

- Watford City \$32.85/Ton
- Grassy Butte \$37.75/Ton
- Alexander \$27.20/Ton

2023 Class 13M Aggregate Crushing

- Lassey Pit \$8.35/Ton

2023 Scoria Stockpile \$17.00/CY

2024 Cattle Guard Cleaning \$600/per

2024 Contract Trucking \$155.00/hour to \$160/hour

2024 Culverts (Not Installed)

- 18 IN \$21.38/LF
- 24 IN \$36.33/LF
- 30 IN \$66.46/LF
- 36 IN \$80.46/LF
- 42 IN \$104.58/LF
- 48 IN \$141.92/LF
- 60 IN \$200.50/LF

2024 Dust Control \$1.26/GAL

Other items for consideration:

- Man Hours
- Fuel
- Machinery/Equipment
- Signs and Signposts
- Water
- Cattle Guards

What is billed to Organized Townships:

- Class 13M Aggregate and Scoria Surfacing \$15.00/CY
- Trucking \$1.00/mile for first three miles. Each additional mile the cost goes up \$0.15/mile. Per CY.
- Certified Mileage \$200.00/mile



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Revenue County doesn't return to Organized Townships:

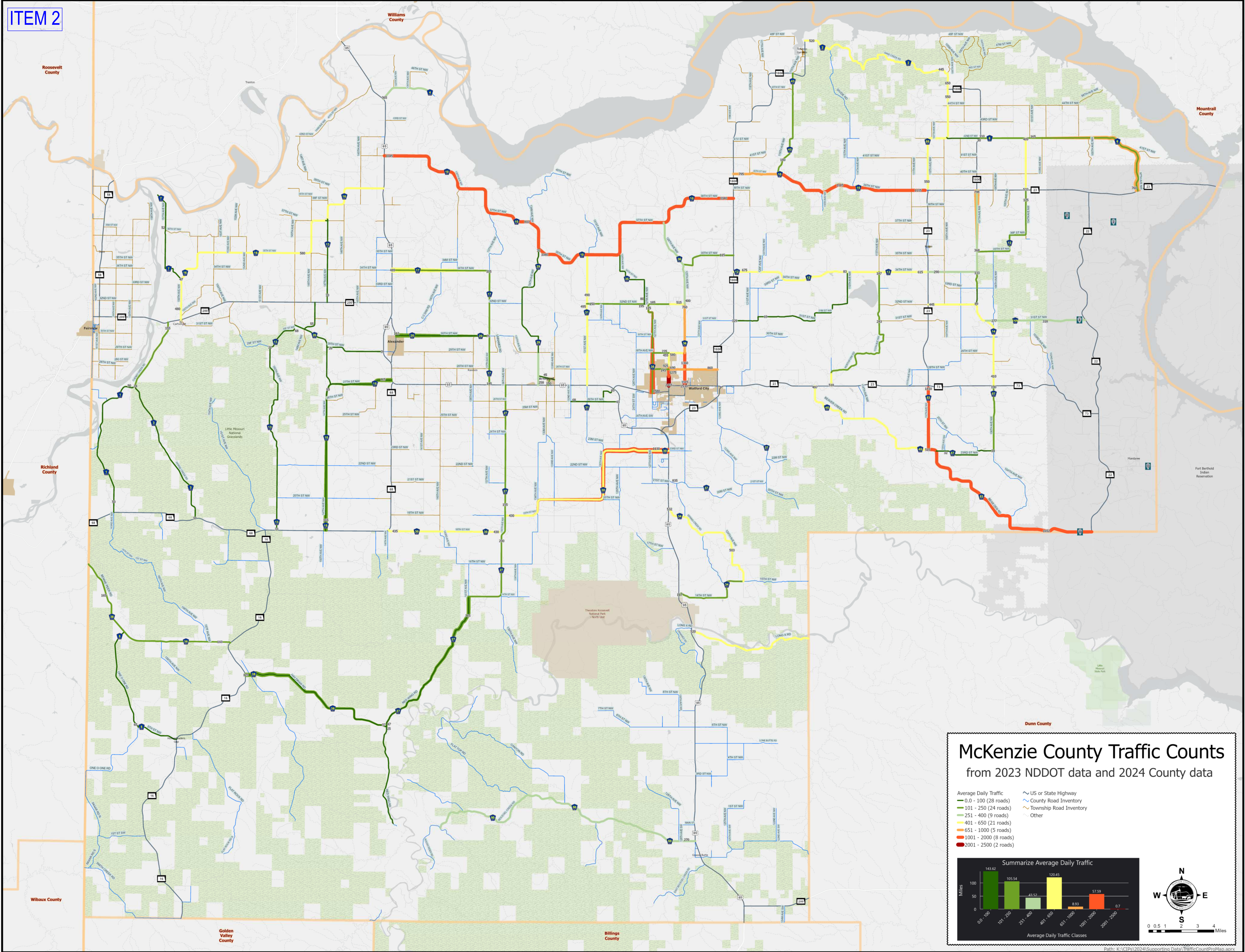
- LoadPass Fees
 - o 2023 \$775,374.94
 - o 2024 \$649,922.72 (to date)
- Right of Way Permitting Fees

2024 Organized Township Billing To Date:

Organized Township Billing (01/01/2024 - 11/31/2024)				
Township	Certified Mileage	Material CY	Trucking	Total
Alex	\$ 2,458.00	\$ 149,280.00	\$ 14,878.60	\$ 166,616.60
Antelope Creek	\$ 6,208.00	\$ 15,255.00	\$ 2,302.35	\$ 23,765.35
Arnegard	\$ 4,964.00	\$ 66,825.00	\$ 13,241.55	\$ 85,030.55
Blue Butte	\$ 4,316.00	\$ 360.00	\$ 103.20	\$ 4,779.20
Charbon	\$ 5,300.00	\$ 63,367.50	\$ 9,893.90	\$ 78,561.40
Elm Tree	\$ 1,384.00	\$ 49,215.00	\$ 21,103.10	\$ 71,702.10
Grail	\$ 3,192.00	\$ -	\$ -	\$ 3,192.00
Hawkeye	\$ 4,572.00	\$ 8,685.00	\$ 3,122.55	\$ 16,379.55
Keene	\$ 1,474.00	\$ 8,640.00	\$ 1,299.00	\$ 11,413.00
Randolph	\$ 3,260.00	\$ 6,645.00	\$ 1,458.00	\$ 11,363.00
Riverview	\$ 5,930.00	\$ -	\$ -	\$ 5,930.00
Sioux	\$ 7,634.00	\$ 21,480.00	\$ 5,890.00	\$ 35,004.00
Tri	\$ 4,986.00	\$ 67,830.00	\$ 18,852.73	\$ 91,668.73
Twin Valley	\$ 9,492.00	\$ 68,355.00	\$ 32,632.95	\$ 110,479.95
Yellowstone	\$ -	\$ 102,525.00	\$ 29,382.35	\$ 131,907.35
	\$ 65,170.00	\$ 628,462.50	\$ 154,160.28	\$ 847,792.78

Organized Township Billing Example:

Material: 1 load of scoria or aggregate x 24 CY = \$360.00
Trucking: 10 miles trip – 3 miles = 7 miles x \$0.15/mile = \$1.05
(\$1.05 + \$1.00) x 24 CY = \$49.20
Need to discuss this formula/calculation.
Total: \$360.00 + \$49.20 = \$409.20



McKenzie County Traffic Counts

from 2023 NDDOT data and 2024 County data

Average Daily Traffic

- 0.0 - 100 (28 roads)
- 101 - 250 (24 roads)
- 251 - 400 (9 roads)
- 401 - 650 (21 roads)
- 651 - 1000 (5 roads)
- 1001 - 2000 (8 roads)
- 2001 - 2500 (2 roads)

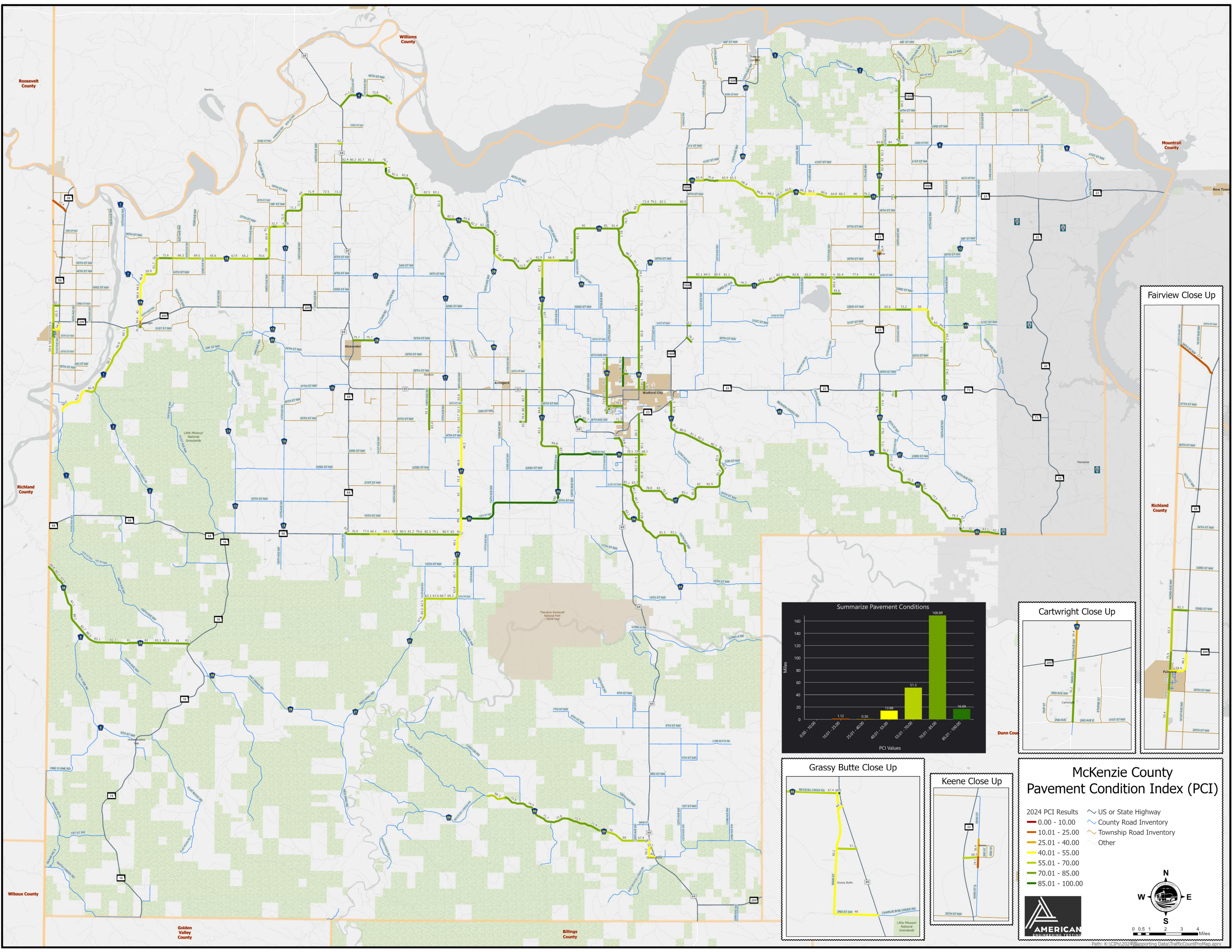
~ US or State Highway
~ County Road Inventory
~ Township Road Inventory
~ Other

Summarize Average Daily Traffic

Average Daily Traffic Class	Miles
0.0 - 100	143.62
101 - 250	105.54
251 - 400	43.52
401 - 650	120.45
651 - 1000	8.93
1001 - 2000	57.59
2001 - 2500	0.7

Average Daily Traffic Classes

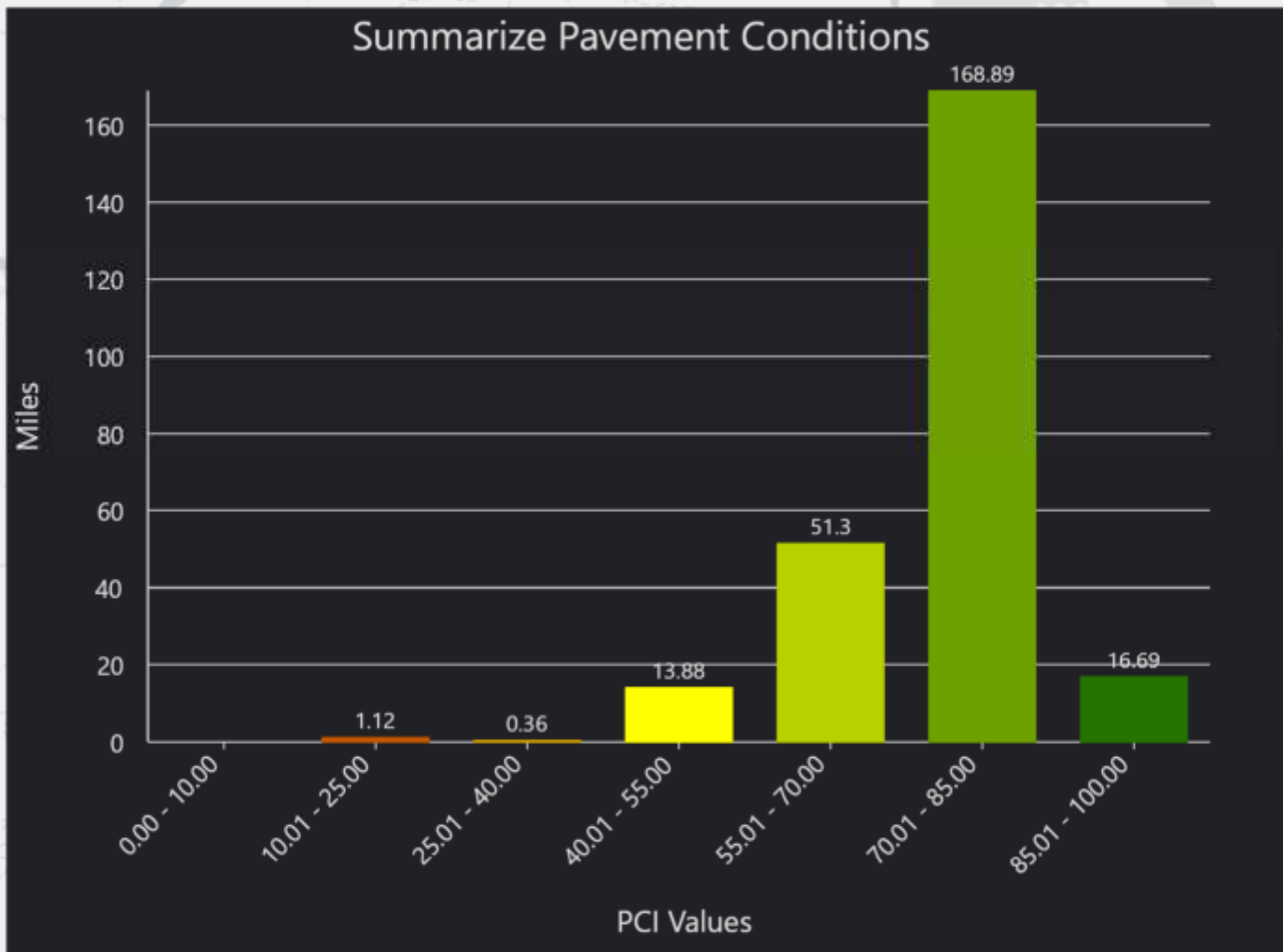
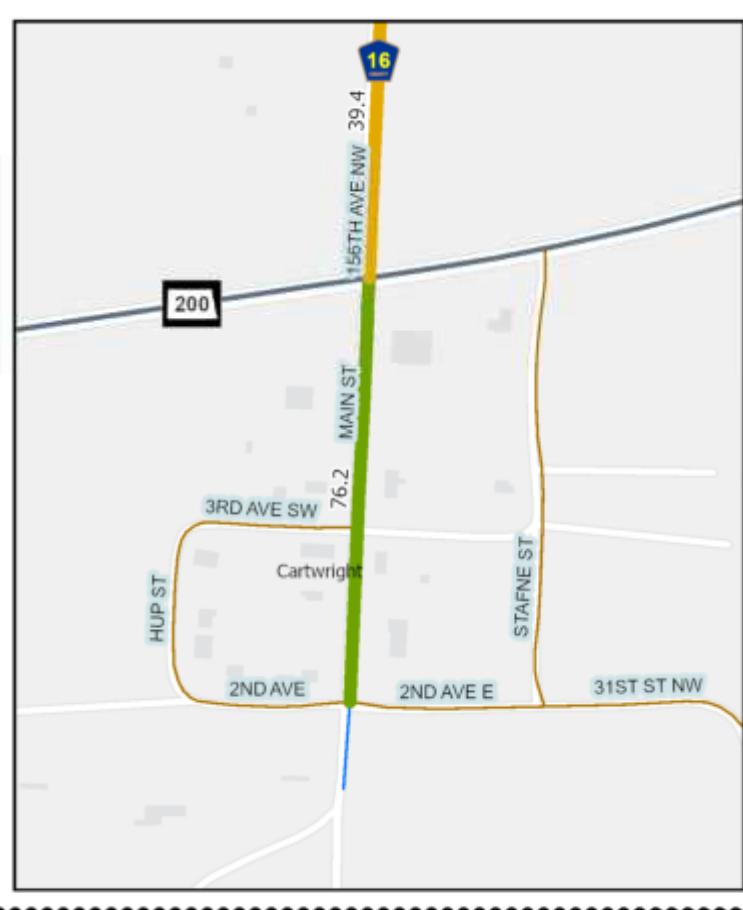
0 0.5 1 2 3 4 Miles



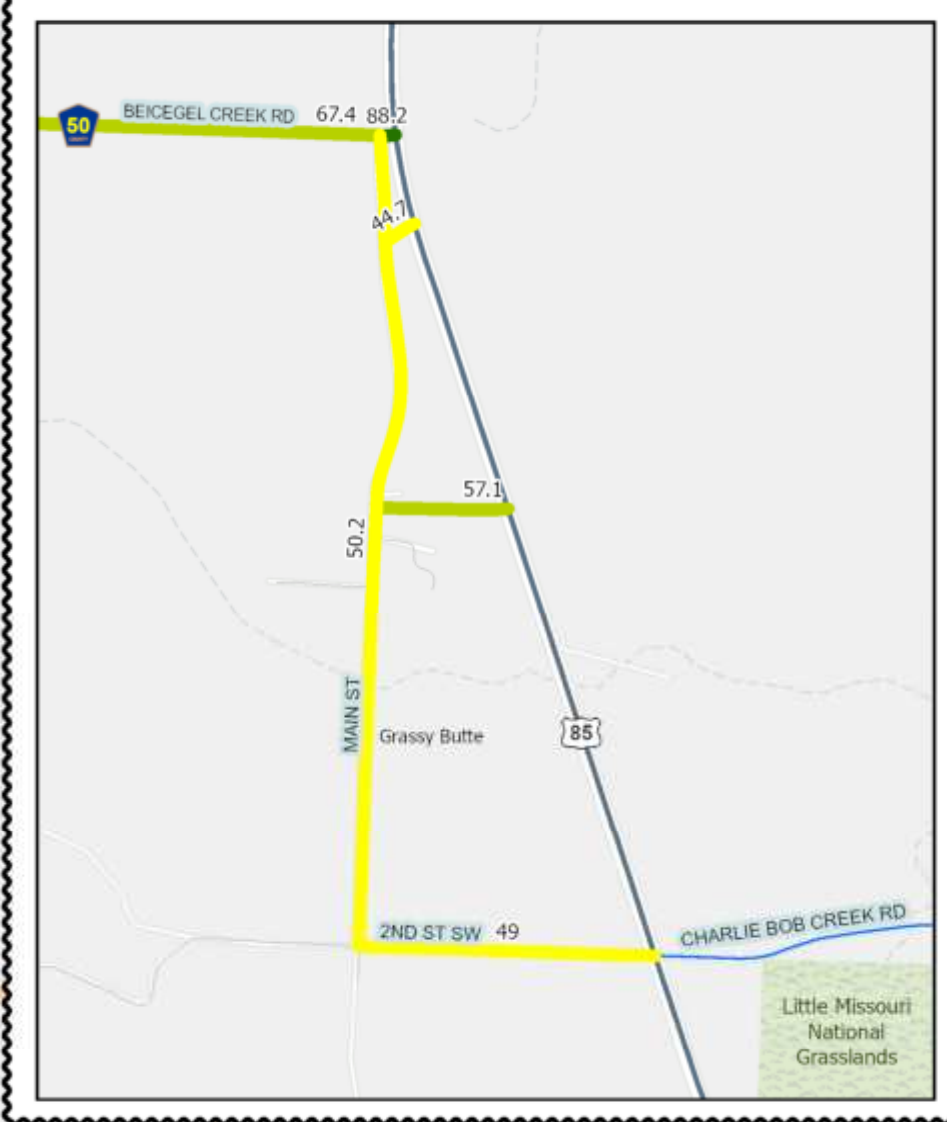
Fairview Close Up



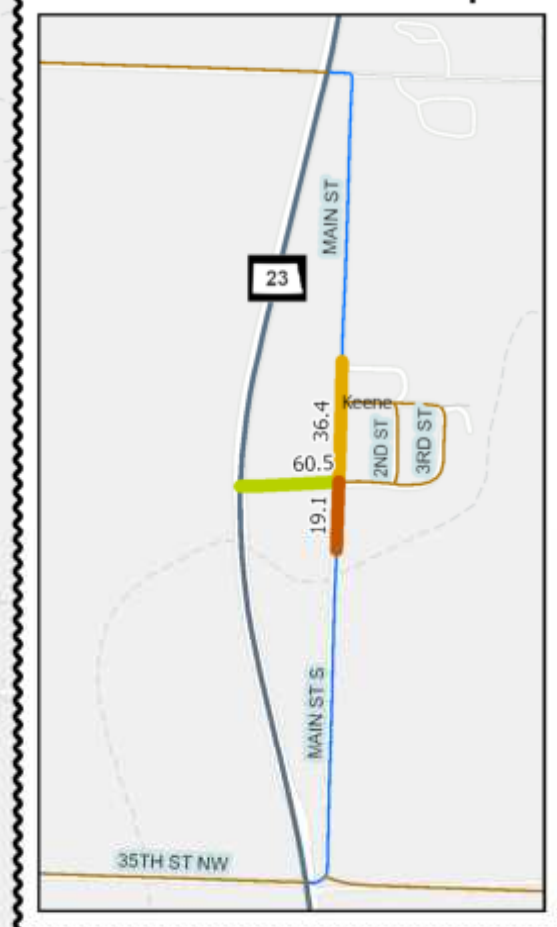
Cartwright Close Up



Grassy Butte Close Up



Keene Close Up

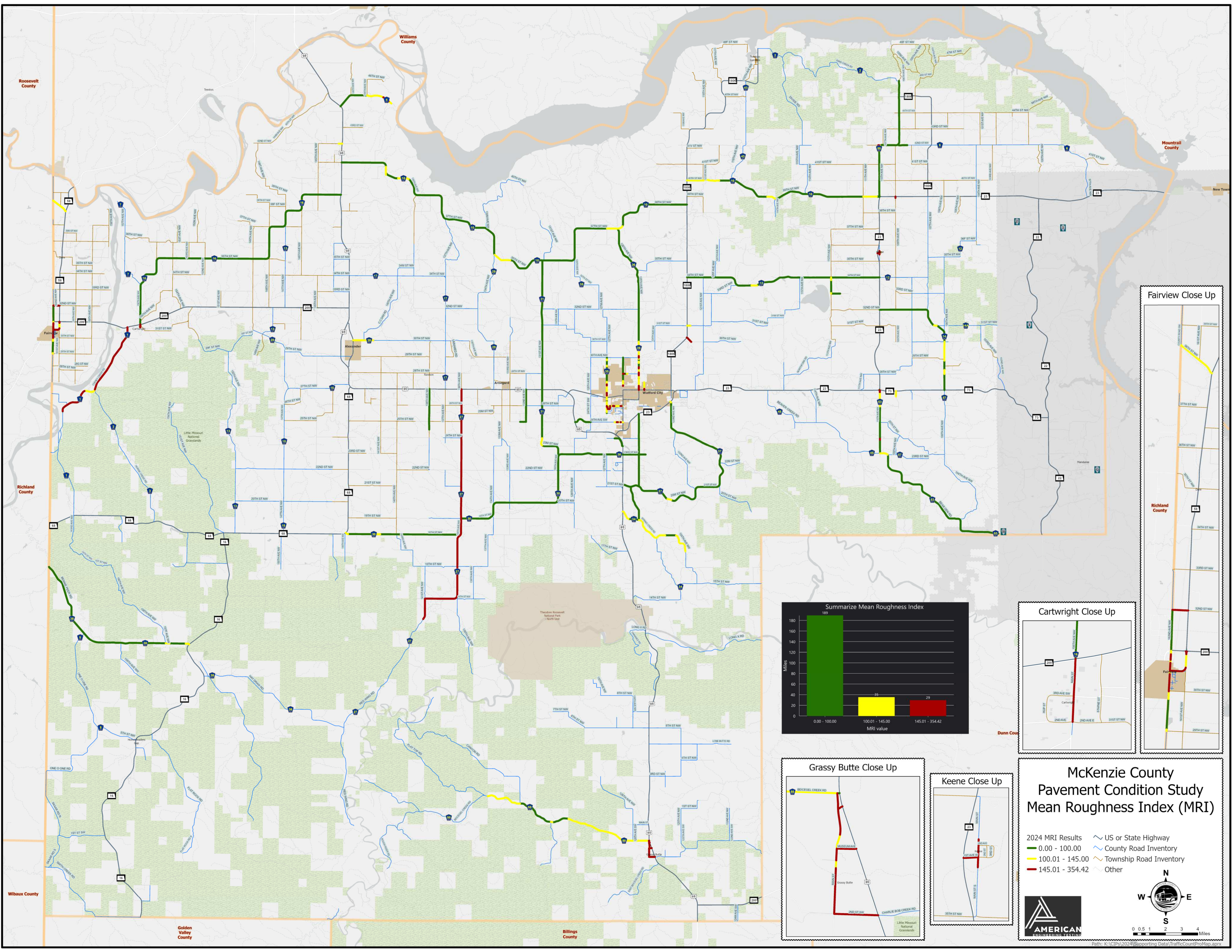


McKenzie County Pavement Condition Index (PCI)

- 2024 PCI Results
- 0.00 - 10.00
 - 10.01 - 25.00
 - 25.01 - 40.00
 - 40.01 - 55.00
 - 55.01 - 70.00
 - 70.01 - 85.00
 - 85.01 - 100.00
- Legend:
- US or State Highway
 - County Road Inventory
 - Township Road Inventory
 - Other



0 0.5 1 2 3 4 Miles



Fairview Close Up



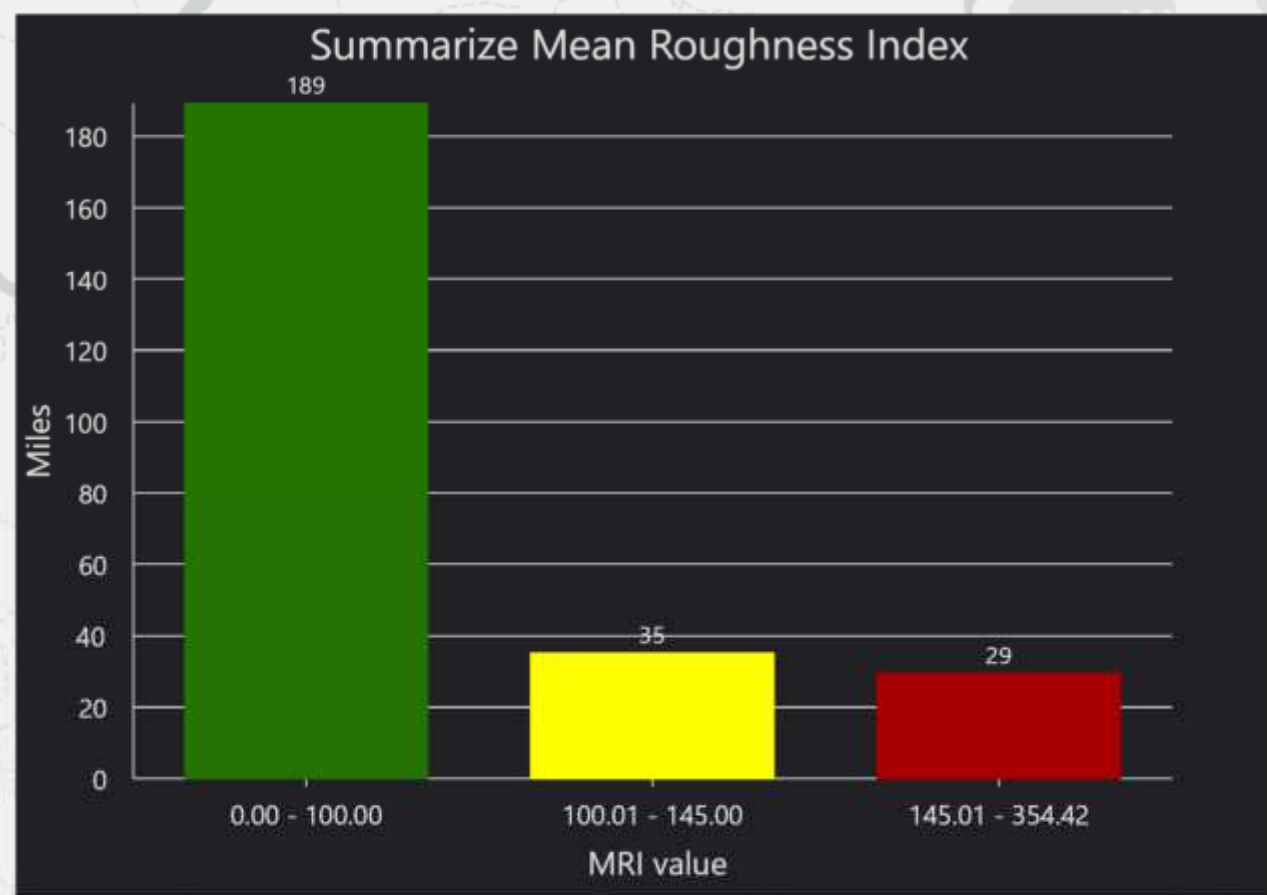
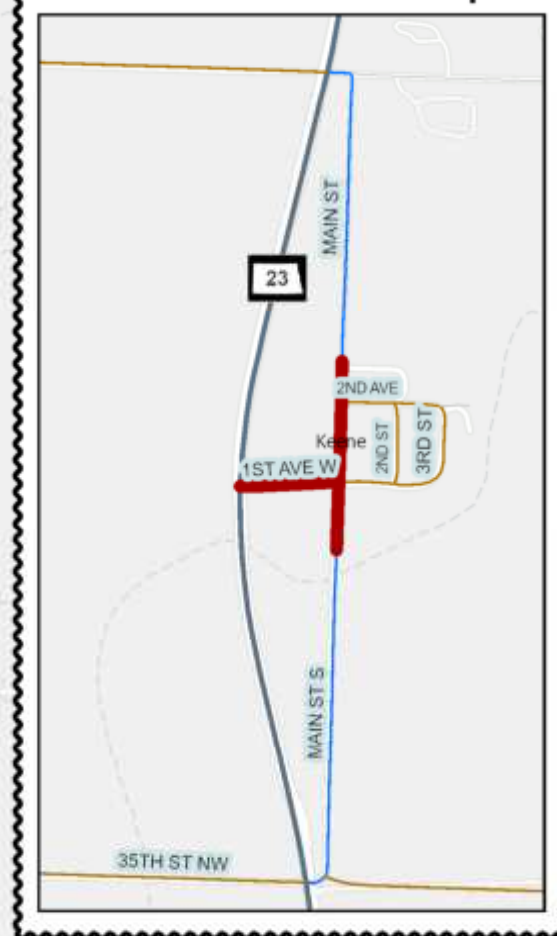
Cartwright Close Up



Grassy Butte Close Up

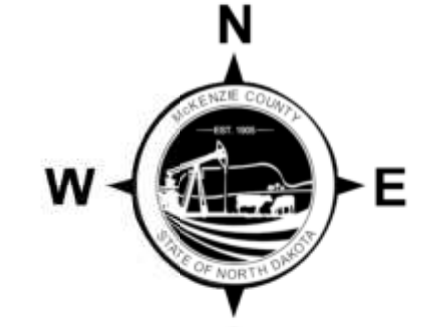


Keene Close Up



McKenzie County Pavement Condition Study Mean Roughness Index (MRI)

- 2024 MRI Results
- 0.00 - 100.00
 - 100.01 - 145.00
 - 145.01 - 354.42
- Legend:
- US or State Highway
 - County Road Inventory
 - Township Road Inventory
 - Other



0 0.5 1 2 3 4 Miles



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Item 3. 2025 Public Works Subcommittee Schedule

Meetings of the Public Works Subcommittee are regularly scheduled to be held on the second Monday of each month, beginning at 01:00 pm CT, at the McKenzie County Public Works Building, 1300 12th St SE Watford City, ND 58854.

Proposed 2025 Meeting Dates:

- January 13th, 2025
- February 10th, 2025
- March 10th, 2025
- April 14th, 2025
- May 12th, 2025
- June 9th, 2025
- July 14th, 2025
- August 11th, 2025
- September 8th, 2025
- October 13th, 2025
- November 10th, 2025
- December 8th, 2025