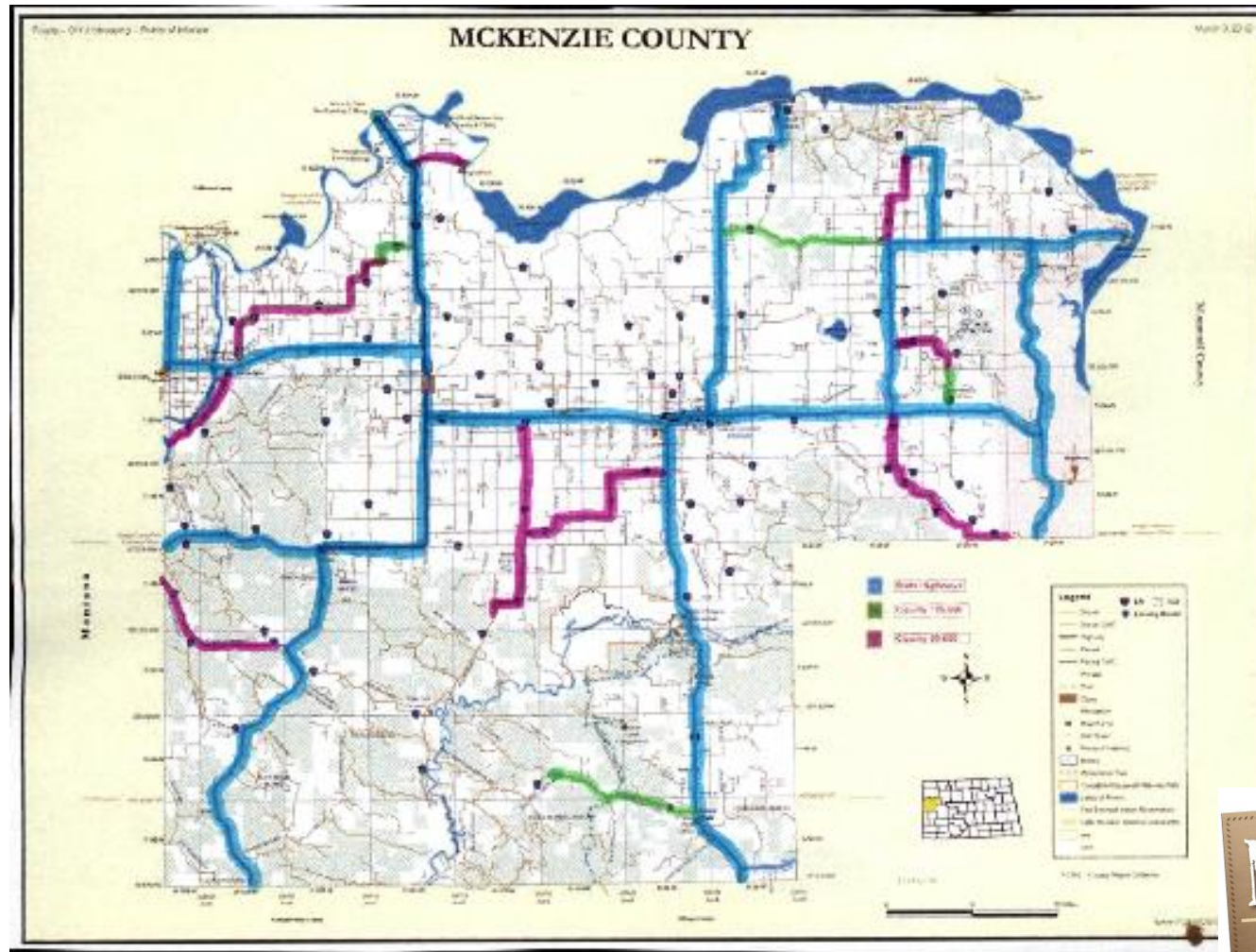




COUNTY ROAD COSTS

AS OF 2/19/2014

COUNTY & STATE PAVED ROADS



McKENZIE COUNTY

PAVED ROADS WE WOULD LIKE TO UPGRADE & COSTS



County Route #	Length	Weight	Estimated Cost to Bring Up To 105,500#
1	7.3 miles	80,000	\$10,950,000.00
4	3.6 miles	80,000	\$5,400,000.00
14	5.4 miles	80,000	\$8,100,000.00
20	1.22 miles	80,000	\$1,830,000.00
27	16.2 miles	80,000	\$24,300,000.00
30	13.5 miles	80,000	\$20,250,000.00
33	2 miles	80,000	\$3,000,000.00
36	3 miles	80,000	\$4,500,000.00
38	11.6 miles	80,000	\$17,400,000.00
53	14.3 miles	80,000	\$21,450,000.00
55	7.4 miles	80,000	\$11,100,000.00
	85.52 miles	TOTAL	\$128,280,000.00

MCKENZIE COUNTY

March 9, 2012

Williams County

Missouri River

Red River

Minot

Belcourt

Grand Forks

Range Correction Avenue Offset

US 10

US 14

US 18

US 22

US 26

US 30

US 34

US 38

US 42

US 46

US 50

US 54

US 58

US 62

US 66

US 70

US 74

US 78

US 82

US 86

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US 1082

US 1086

US 1090

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US 1114

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US 1130

US 1134

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US 1150

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US 1254

US 1258

US 1262

US 1266

US 1270

US 1274

US 1278

US 1282

US 1286

US 1290

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US 1302

US 1306

US 1310

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US 1318

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US 1366

US 1370

US 1374

US 1378

US 1382

US 1386

US 1390

US 1394

US 13

McKENZIE COUNTY

Why a Paved Northern Bypass

- **Safety**

- McKenzie County has led the state in fatalities the last 2 years
 - **18 Deaths in 2012**
 - **24 Deaths in 2013**
 - *One county accounting for 20% of the deaths on North Dakota highways is unacceptable. Completion of the northern bypass route would help spread the traffic in the county.*

- **Efficiency for the Industry**

- This route is currently a gravel route that has been difficult for the county to maintain in reasonable condition.
- Paving this northern route shortens the commute from Williston to the Keene-Charlson and Ft. Berthold oil field by approximately 40 miles.

PROPOSED NORTHERN BYPASS

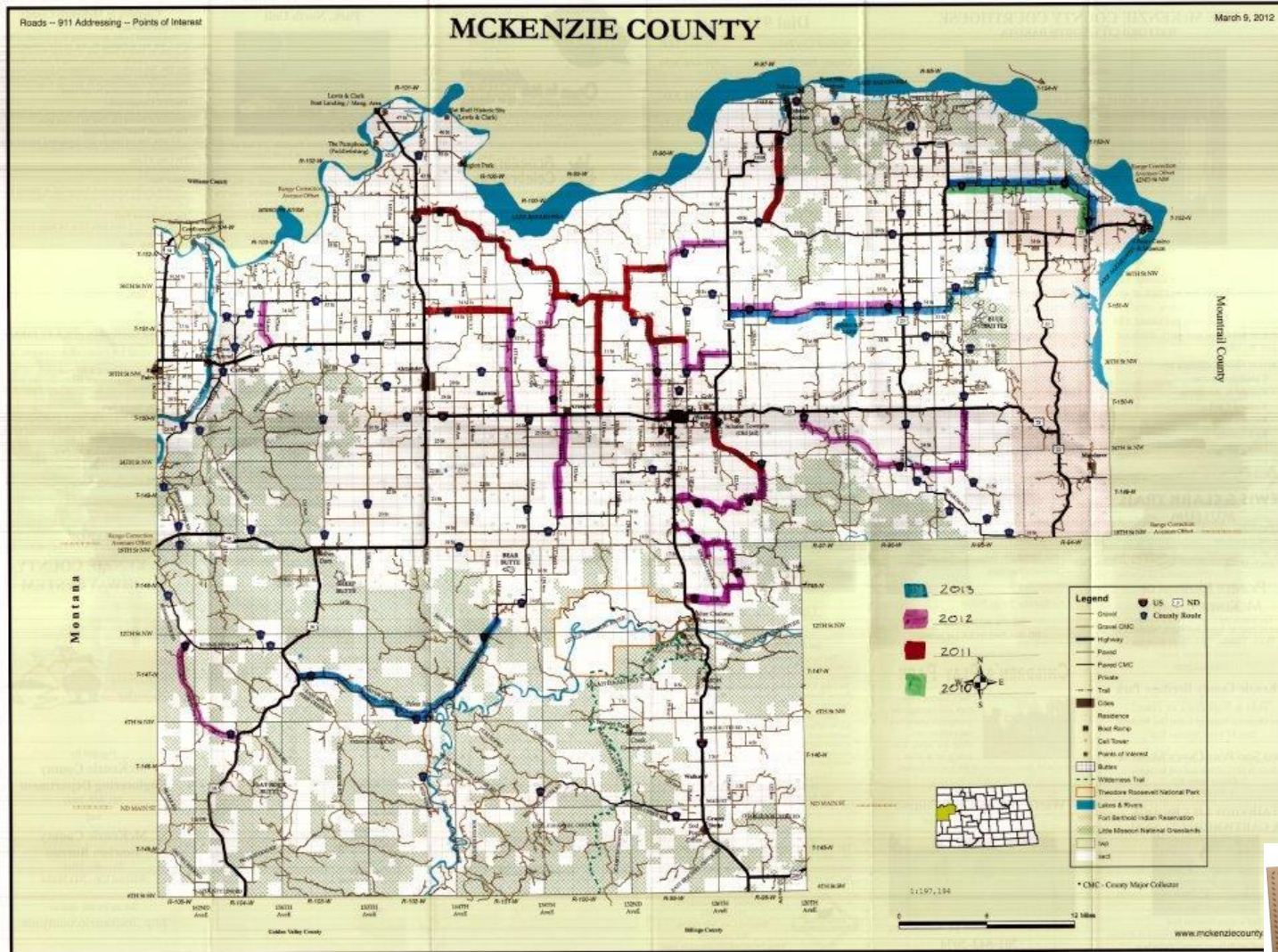
LENGTH AND ESTIMATED COST

PAVED TO 105,500#

Items	Estimated Costs
30 Miles of Roadway	\$84,000,000
Right of Way	\$6,000,000
Total Cost	\$90,000,000



GRAVELED ROADS



MCKENZIE
COUNTY

COST TO GRAVEL ROADS

- County currently maintains 1100 miles of graveled roads.
- We currently award contracts annually to reshape and regravel a limited amount of county roads.
- Current cost to gravel one mile of road in McKenzie County is \$125,000/mile due to long distance to transport aggregate.
- **The cost to reshape and regravel 1100 miles of county roads would be \$137,500,000.**



ANNUAL COST FOR PAVED AND GRAVEL ROADS – over 2 Bienniums

Calendar Year	Upgrade Paved Roads to 105,500#	Northern Bypass & New Paved Roads	Gravel & Reshape Gravel Roads	Annual Cost per Budget Year
2015	\$ 32,070,000	\$ 30,000,000	\$ 34,375,000	\$ 96,445,000
2016	\$ 32,070,000	\$ 30,000,000	\$ 34,375,000	\$ 96,445,000
2017	\$ 32,070,000	\$ 30,000,000	\$ 34,375,000	\$ 96,445,000
2018	\$ 32,070,000	\$ 30,000,000	\$ 34,375,000	\$ 96,445,000
TOTALS	\$128,280,000	\$ 120,000,000	\$137,500,000	\$385,780,000

McKenzie County 2014

Revised Budget Estimates

Revenue - 2014 Budget

GPT - Revised	\$ 53,000,000
All Other County Revenue	<u>45,598,624</u>

Total Revenue 2014	\$	98,598,624
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Expenditures - 2014 Budget

Road & Bridge	\$ 67,131,005
All Other County Expenses	<u>30,710,381</u>

Total Expenditures 2014	\$	<u>97,841,386</u>
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Net Difference	\$	757,238
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McKenzie County 2015 Budget Estimates

Revenue - 2015 Budget

GPT - Revised	\$	53,000,000	
All Other County Revenue		45,598,624	
Less: 2014 DOT Oil Impact Road Funding		<u>(14,866,195)</u>	
Total Revenue 2015	\$		83,732,429

Expenditures - 2015 Budget

Road Dept, Equipment, Payroll	\$	32,161,005	
Paved Roads		32,070,000	
Northern Bypass		30,000,000	
Gravel Roads		34,375,000	
Other County Expenses		<u>30,710,381</u>	
Grand Total Expenditures	\$		<u>159,316,386</u>
Short	\$		<u>(75,583,957)</u>

DUST CONTROL

McKenzie County has been applying Magnesium Chloride (MgCl_2) to control dust on some of the Gravel Roads since 2008.

- **2009** → 387,000 gal, 55 miles, **\$471,465**
- **2010** → 872,000 gal, 124 miles, **\$1,062,494**
- **2011** → 1,614,300 gal, 230 miles, **\$1,921,759**
- **2012** → 2,875,000 gal, 408 miles, **\$2,426,676**
- **2013** → 1,980,000 gal, 355 miles, **\$2,208,111**
- **2014 Budgeted** → 2,500,000 gal, 350 miles, **\$2,500,000**



WEATHER RELATED ROAD RESTRICTIONS

The McKenzie County Commissioners will consider closing all county non-paved roads to all traffic exceeding 20,000 lbs. GVW, during a rain event in which there is more than ½ inch of rain across the majority of the county lasting more than 3 hours. The Board Chairman will make the determination, with consultation from other Board Members, the County Engineer, Road Superintendent, the DES Coordinator, and the Sheriff's Department. The roads will remain closed for a 24 hour period, at which time the situation will be re-evaluated. The McKenzie County Sheriff's Department will be enforcing these restrictions. Updates will be posted on the McKenzie County website (<http://county.mckenziecounty.net/DepartmentsDisplay/Un-paved-Road-Restrictions>), 660KEYZ Radio, and the McKenzie County Sheriff Department's Facebook page.

We would appreciate any help we could get from the oil companies in shutting down all gravel, scoria and water hauling during these events.



The logo is a brown rectangular tag with a dashed border. The text "McKENZIE" is in white, bold, serif capital letters, and "COUNTY" is in dark brown, bold, serif capital letters. A thin horizontal line separates the two words.

McKENZIE
COUNTY