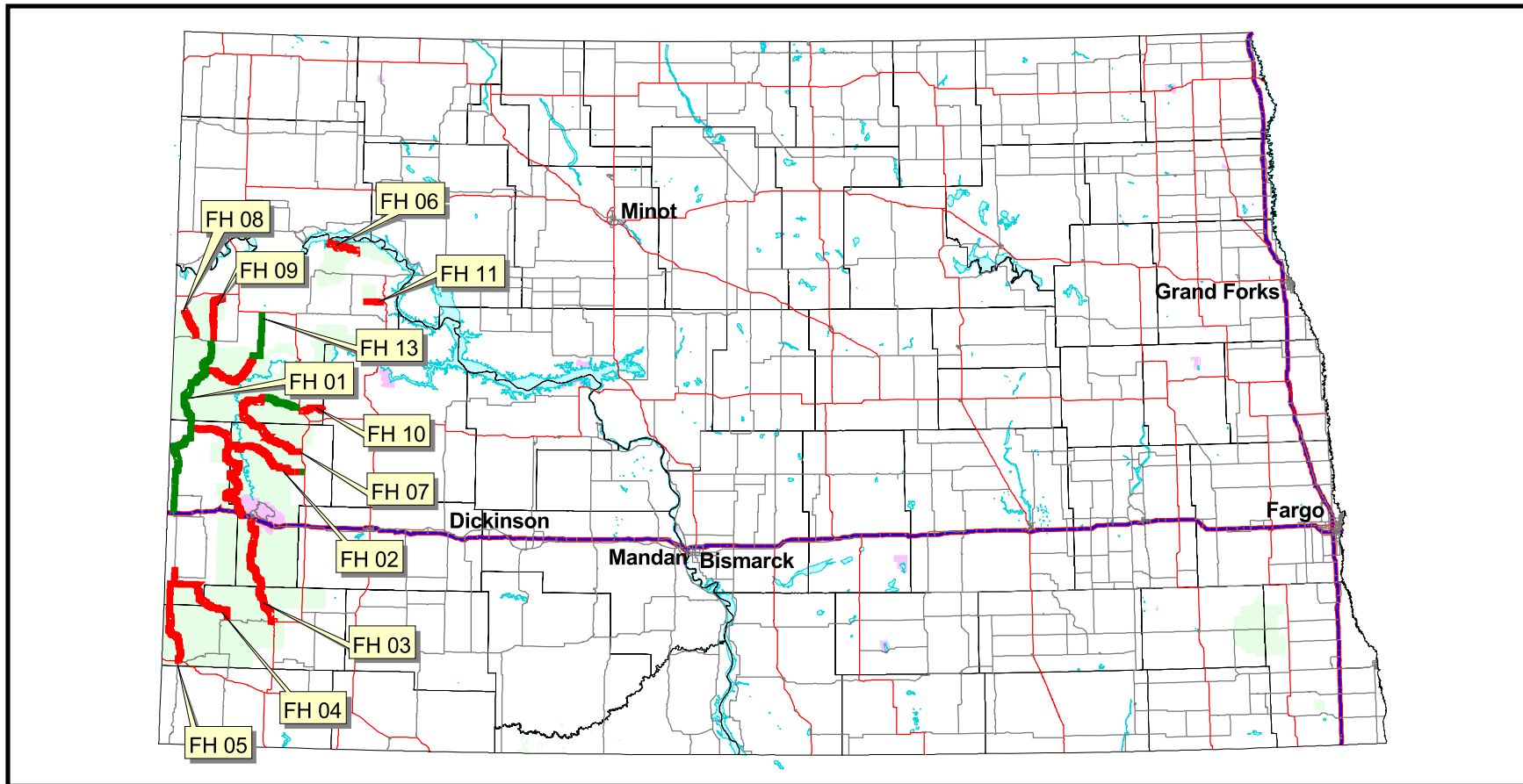




NORTH DAKOTA

Forest Highway Network and Planning Data 2008



NE Forest Highways
Paved Roads
Unpaved Roads

Prepared by:
Federal Highway Administration
Central Federal Lands Division
September - 2008



SUMMARY:

The following is a report on the status of the Forest Highway Network in the State of North Dakota. The data was taken from North Dakota Department of Transportation (NDDOT) road evaluation in the summer of 2007 and a contracted road evaluation in the summer of 2006. The purpose of the report is to document the condition of the Forest Highway Network and provide data for pavement and bridge management systems. The report identifies potential sections for 3R projects. Nonetheless, the sections should be reviewed in the field by those involved in programming and project development before any specific projects are selected. The sections are based on political boundaries (county lines) and HPMS traffic data rather than condition changes. Therefore, each section should be scrutinized before project limits are determined. Lengths of segments have been scrutinized for errors and changed where needed. All the bridges are in the National Bridge Inventory System and therefore have the data for structural deficiency and functional obsolescence and have been assigned a sufficiency rating by the Headquarters of the FHWA.

The North Dakota Forest Highway Network contains 13 routes amounting to 370.91 miles (596.79 km).

CONTENTS AND DESCRIPTION OF THIS REPORT:

Graphs: Shows the average conditions of all state-owned highways over time, starting in 1998. There are three sections: miles-by-condition rating, average condition by route, and average condition by county.

Description Sheets: Shows a basic map of the route with segments plus a description of the route's termini, functional class, and other useful information.

Pavement Condition Sheets: Shows the condition data, averaged by segment, of the route along with traffic data. The map shows the condition of the route by color code, plus termini descriptions and other features along the route. The map shows the actual un-averaged condition of the route which may not correspond to the averaged data. This change was made to allow for faster evaluation of potential projects.

Bridge Condition Sheets: Shows the bridge locations and length, width, and condition information from the National Bridge Inventory.

POTENTIAL 3R PROJECTS:

All the North Dakota FH routes were inspected by the NDDOT or contracted Planning and Pavement Management personnel. North Dakota uses the International Roughness Index (IRI) to evaluate their pavements. IRI is measured directly in inches of vertical roughness per mile of pavement. Vertical mounted accelerometers over each wheel path are used to measure the roughness over the full length of each section. The values reported are the “half car simulation” IRI. This factors both the left and right wheel path providing the ride quality felt by the vehicle occupants, not the roughness of the individual wheel paths.

Pavement Condition Ratings (PCR) are determined using distress ratings based primarily on the IRI. With the current formulas, a road is considered failed when its PCR falls to 40 or below. Poor roads have a PCR between 41 and 50, fair roads have a PCR between 51 and 70, good roads have a PCR between 71 and 80, and excellent roads have a PCR of 81 and above.

FH Route	Segment	Local Route #	Route Name	County	Start MP	End MP	Length (mi)	Length (km)	ADT	Width (ft)	IRI	PCR	Distress
2	6	20th St	Blacktail Road	Billings	42.30	43.85	1.55	2.49	150	24	281	32	Failed
13	3	CR 27	Red Wing Road	McKenzie	19.29	20.29	1.00	1.61	150	20	192	46	Poor

The following is the relative pavement rating based on the IRI value:

IRI Values	PCR	Pavement Rating
Below 53	81 to 100	Excellent
53 to 86	71 to 80	Good
87 to 166	51 to 70	Fair
167 to 220	41 to 50	Poor
Above 220	40 and Below	Failed

POTENTIAL BRIDGE REPLACEMENT PROJECTS:

There are 26 bridges on the Forest Highway Network in North Dakota. All the bridge data was taken from the National Bridge Inventory System (NBIS). Bridges having a sufficiency rating less than 50, or 80 and less and structurally deficient or functionally obsolete qualify for the National Bridge Replacement Program and should be considered for replacement. Note that some bridges are in the recent or current construction program.

There are currently no bridges considered insufficient.

Definition of terms:

Structurally deficient (SD): A bridge that (1) has been restricted to light vehicles only, (2) is closed, or (3) requires immediate rehabilitation to remain open.

Functionally obsolete (FO): A bridge for which the deck geometry, load carrying capacity (comparison of the original design load to the State legal load), clearance, or approach roadway alignment no longer meets the usual criteria for the system of which it is an integral part.

Sufficiency rating (SR): The numerical rating of a bridge based on its structural adequacy and safety, essentiality for public use, and its serviceability and functional obsolescence.

CHANGES SINCE LAST REPORT:

There are no significant changes since the last report.

PAVED CONDITION RATING CHANGES

In order to more accurately define potential 3R projects, significant changes have been made to the condition rating scale used to determine fair and poor roads. While the formula used to transform IRI to PCR has not changed, the limits used to define fair and poor roads has. These new limits also closely resemble those used by the Federal Highway Administration in their effort to report road conditions based solely on IRI. The new rating scale as defined on pages iii-iv puts the majority of road segments into the fair category. Poor category road segments are now split between poor and failed categories, where failed is anything with an IRI above 220. The new color code for poor is orange, while failed is now red. In addition, all historical ratings have been adjusted to this new scale in the succeeding graphs in this report. Please see the following web document for more information on ride quality and the new rating scale: <http://www.fhwa.dot.gov/policy/2002cpr/ch3b.htm> (Exhibit 3-3).

Please note that FHWA has since simplified their rating scale for their Highway Condition and Performance Reports to include only three categories: Good, Acceptable, and Unacceptable. These categories are useful for reporting generalities in road condition, but for finding potential 3R projects, we feel that their older, diversified condition rating scale is more suitable.

**LIST OF THE CURRENT APPROVED FOREST HIGHWAY NETWORK IN THE STATE
OF NORTH DAKOTA**

(as of September 2008)

**U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
NORTH DAKOTA FOREST HIGHWAY DESCRIPTIONS
September 2008**

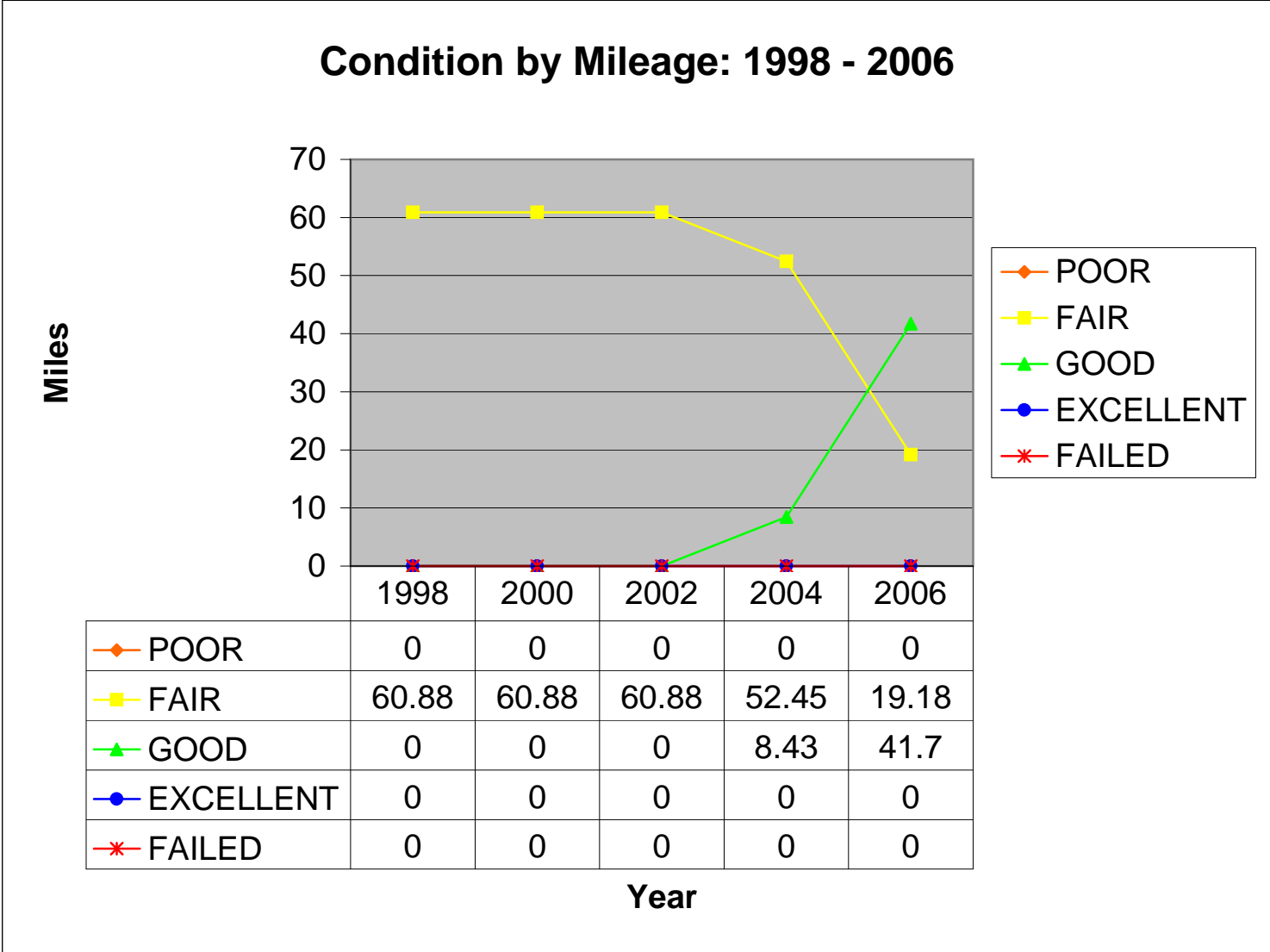
**TOTAL
ROUTES
13**

**TOTAL
MI/KM
370.91
596.79**

FH ROUTE NO.	ROUTE NAME	DESCRIPTION OF TERMINI	NATIONAL FOREST	COUNTY	LENGTH MI.	LENGTH KM.
1	Trotters Road	This route starts at the junction with I-94 and proceeds northerly 60.88 miles (97.96 km) over SR-16 to the junction with SR-68.	Dakota Prairies Grasslands	Golden Valley McKenzie	60.88	97.96
2	Blacktail Road	This route starts at the junction with SR-16, 2 miles south of Trotters and proceeds easterly 43.85 miles (70.55 km) over various County Roads to the junction with US-85 in South Fairfield.	Dakota Prairies Grasslands	Billings Golden Valley	43.85	70.55
3	East River Road	This route starts at the junction with US-85 near Amidon and proceeds westerly 1.18 miles (1.9 km) over Slope CR-4417, northerly 12.56 miles (20.21 km) over Hamann Road in Slope County, and then northerly 24.67 miles (39.69 km) over various Billings County Roads	Dakota Prairies Grasslands	Billings Slope	38.41	61.80
4	Three V's Road	This route starts at the junction with FH-5, 5.0 miles south of the southern end of SR-16, and proceeds easterly and southerly 24.69 miles (39.73 km) over various County Roads in Golden Valley and Slope Counties to the junction with Slope CR-4417 near the Wolfgrum Ranch 14.5 miles west of US-85.	Dakota Prairies Grasslands	Golden Valley Slope	24.69	39.73
5	Marmarth- Golva	This route starts at the junction with US-12 in Marmarth and proceeds northerly 33.44 miles (53.8 km) over FDR 783 to the southern end of SR-16, two miles south of Golva.	Dakota Prairies Grasslands	Slope Golden Valley	33.44	53.80
6	Tobacco Garden- Charlson	This route starts at the junction with SR-1806 at Tobacco Garden and proceeds easterly 11.41 miles (18.36 km) over CR-02 and .98 miles (1.58 km) over CR-55 to SR-1806 two miles west of Charlson.	Dakota Prairies Grasslands	McKenzie	12.39	19.94
7	Magpie Creek Road	This route starts at the junction with US-85, 1.5 miles north of Fairfield, and proceeds westerly and northerly 19.16 miles (30.83 km) over FR 712, northerly 16.24 miles (26.13 km) on FR's 804 and 810, and then looping back on McKenzie CR-50 easterly 11.07 miles (17.81 km) to US-85 near Grassy Butte.	Dakota Prairies Grasslands	Billings McKenzie	46.47	74.77
8	Horse Creek Road	This route starts at the junction with SR-68, 6.9 miles east of the Montana State Line, and proceeds northwesterly 9.34 miles (15.03 km) over CR-03 to the junction with CR-01.	Dakota Prairies Grasslands	McKenzie	9.34	15.03

9	Sather Lake-Charbonneau	This route starts at the junction with SR-68, approximately 3 miles west of CR-15, and proceeds northerly 17.0 miles (27.4 km) over CR-13 to the junction with SR-200 north of Charbonneau.	Dakota Prairies Grasslands	McKenzie	17.00	27.35
10	Grassy Butte, East	This route starts at the junction with US-85 in Grassy Butte and proceeds easterly 7.79 miles (12.53 km) over FDR-810 to the Dunn County Line (forest boundary).	Dakota Prairies Grasslands	McKenzie	7.79	12.53
11	Blue Buttes	This route starts at the junction with SR-22, 3.5 miles north of Bear Den Creek, and proceeds westerly 6.13 miles (9.86 km) over Indian Reservation Road (IRR) 4 and a County Road to the intersection with CR-14, four miles north of SR-73.	Dakota Prairies Grasslands	McKenzie	6.13	9.86
12	West River Road	This route starts at the junction with I-94, 1.5 miles east of the Golden Valley County Line, and proceeds northerly 9.51 miles (15.3 km) on FDR-730, 5.95 miles (9.57 km) on FDR-726, 4.63 miles (7.45 km) on FDR-729, 6 miles (9.65 km) on FDR-725, 4.95 miles (7.96 km) on FDR-722, and 4.25 miles (6.84 km) on FDR-708, to the intersection with FH-02 near the Elkhorn Ranch site.	Dakota Prairies Grasslands	Billings Golden Valley	35.29	56.78
13	Red Wing Road	This route starts at the junction with SR-16 (FH-01), west of the Leland School and proceeds easterly on CR-38 19.29 miles (31.04 km) to the intersection with CR-27 and then northerly on CR-27 15.94 miles (25.65 km) to the intersection with US-85 west of Arnegard.	Dakota Prairies Grasslands	McKenzie	35.23	56.69

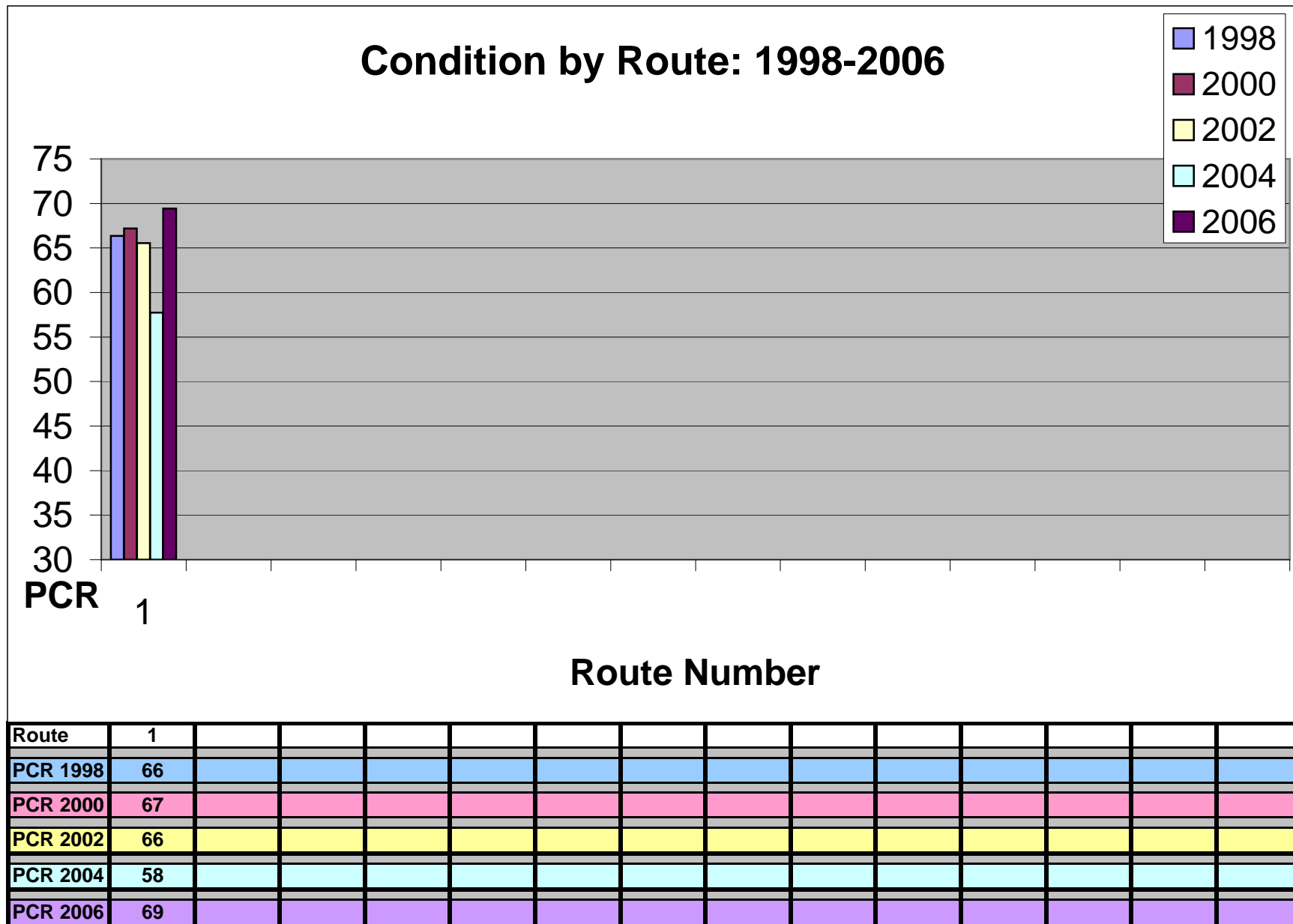
North Dakota Forest Highway Network - Condition by Mileage



Note: For comparison, road segments with no rating data for one or more years are not included in the above graph.

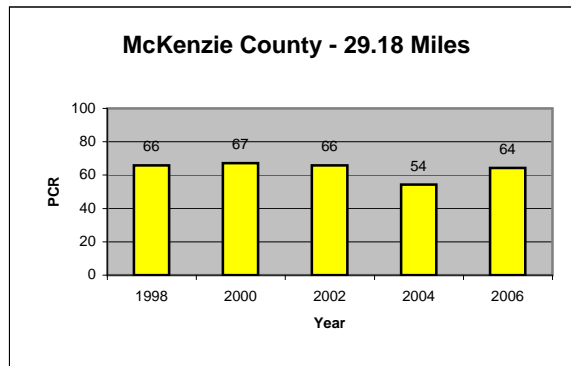
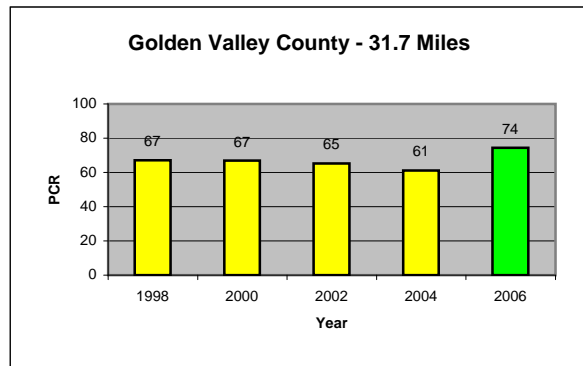
(Figure 1)

North Dakota Forest Highway Network -Condition by Route

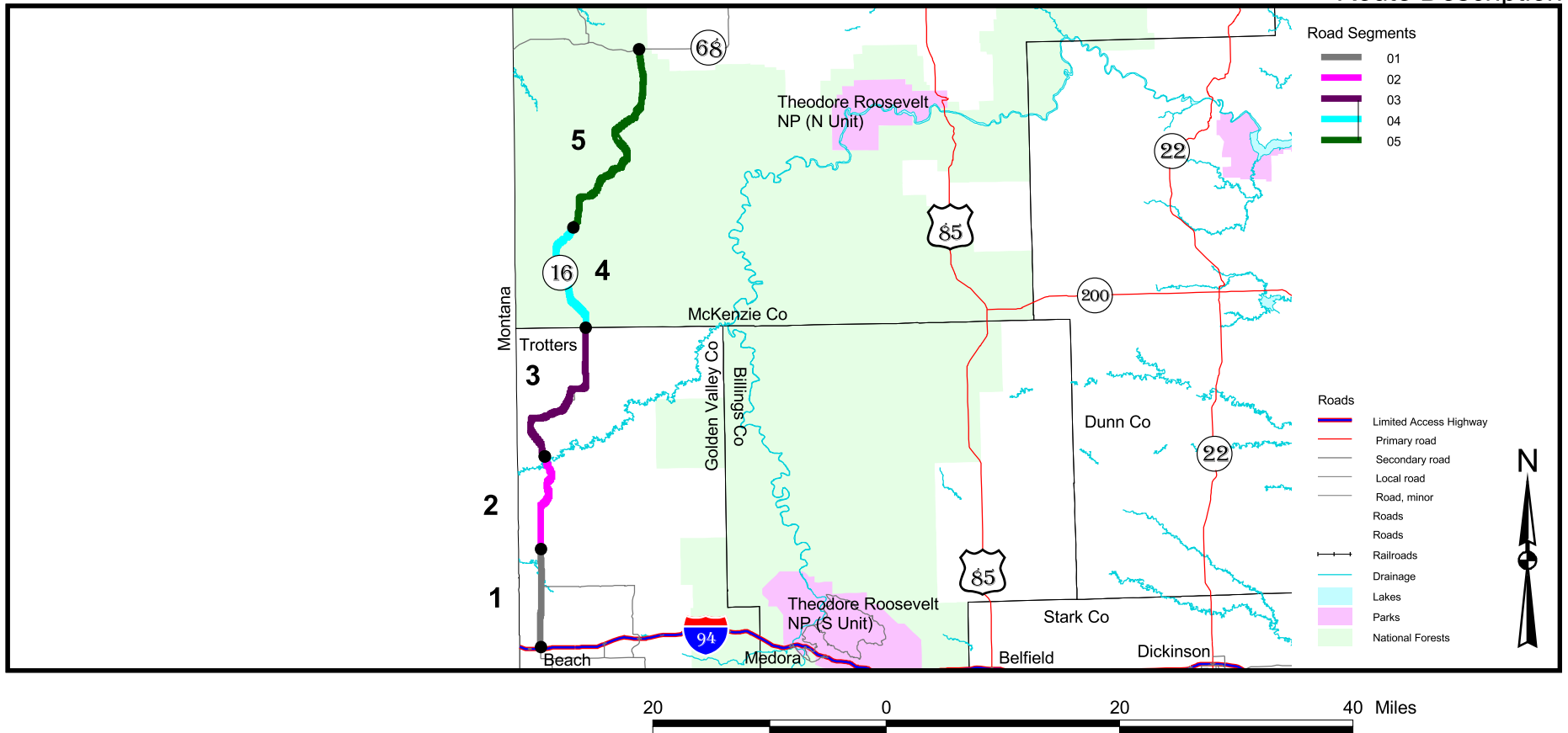


(Figure 2)

North Dakota Forest Highway Network - Pavement Condition Ratings by County



(Figures 3 and 4)

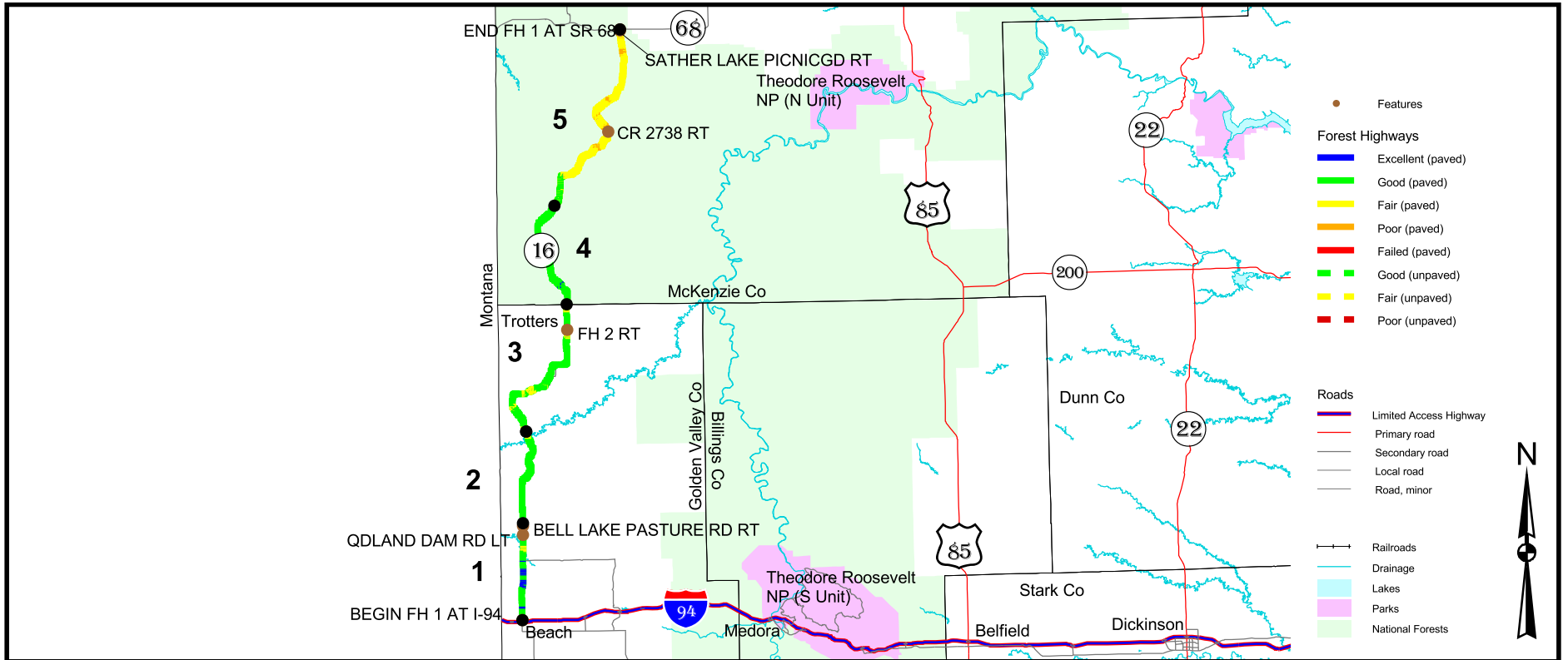


FH-01, Trotters Road. This route starts at the junction with I-94 and proceeds northerly 60.88 miles (97.96 km) over SR-16 to the junction with SR-68.

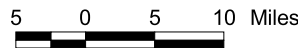
Evaluation: SR-16 is owned and operated by the North Dakota Department of Transportation. It is functionally classified as a major collector serving the Little Missouri National Grassland. According to Forest Service data, 20 to 50% of the traffic is Forest related. The principal Forest resources served are recreation, grazing, gas and oil. The route also serves other local needs including schools, mail delivery, commercial supply and access to private property within the Grassland. It serves one Forest Service owned campground.

FH 1 Trotters Road

Pavement Condition

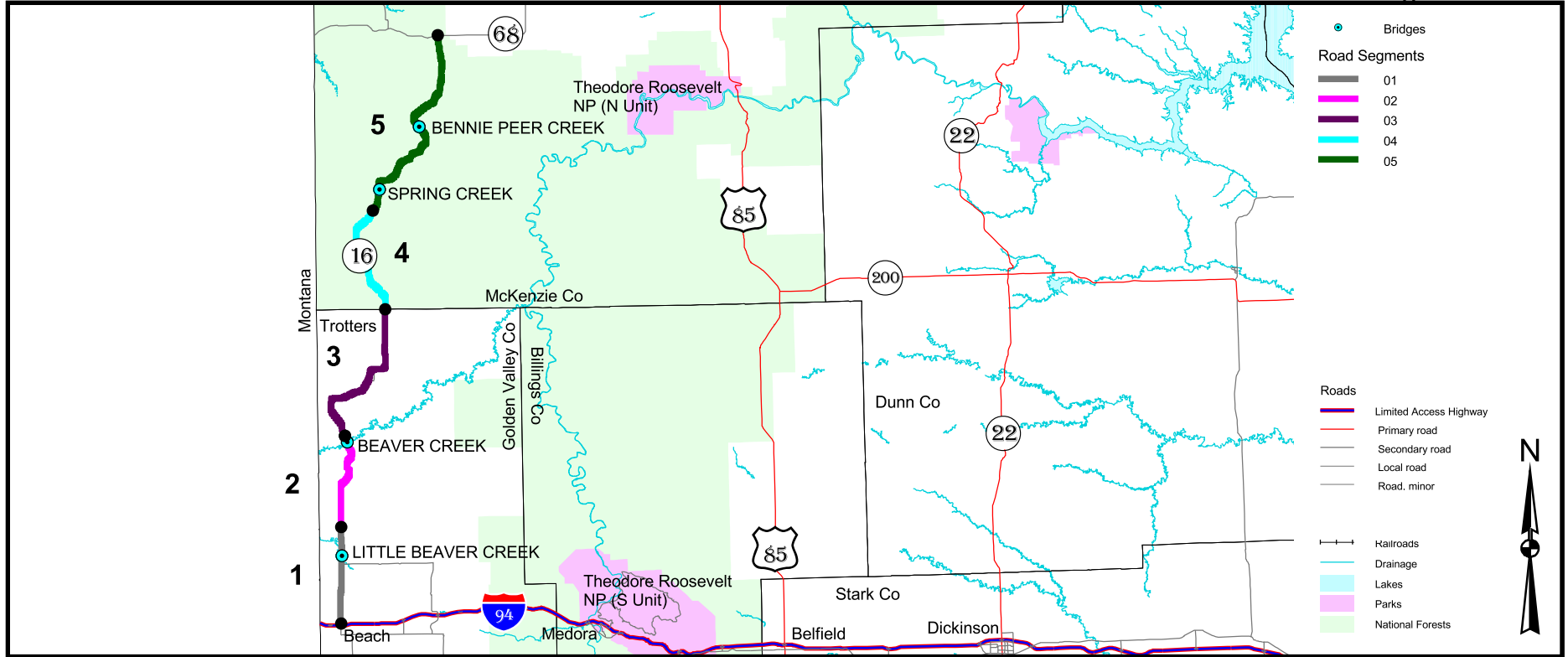


Map above shows the actual condition (paved sections only) which may not correspond to the average condition reported for each segment in the chart below. See Summary page i for more information.



TOTAL ROUTE LENGTH: 60.88 Miles

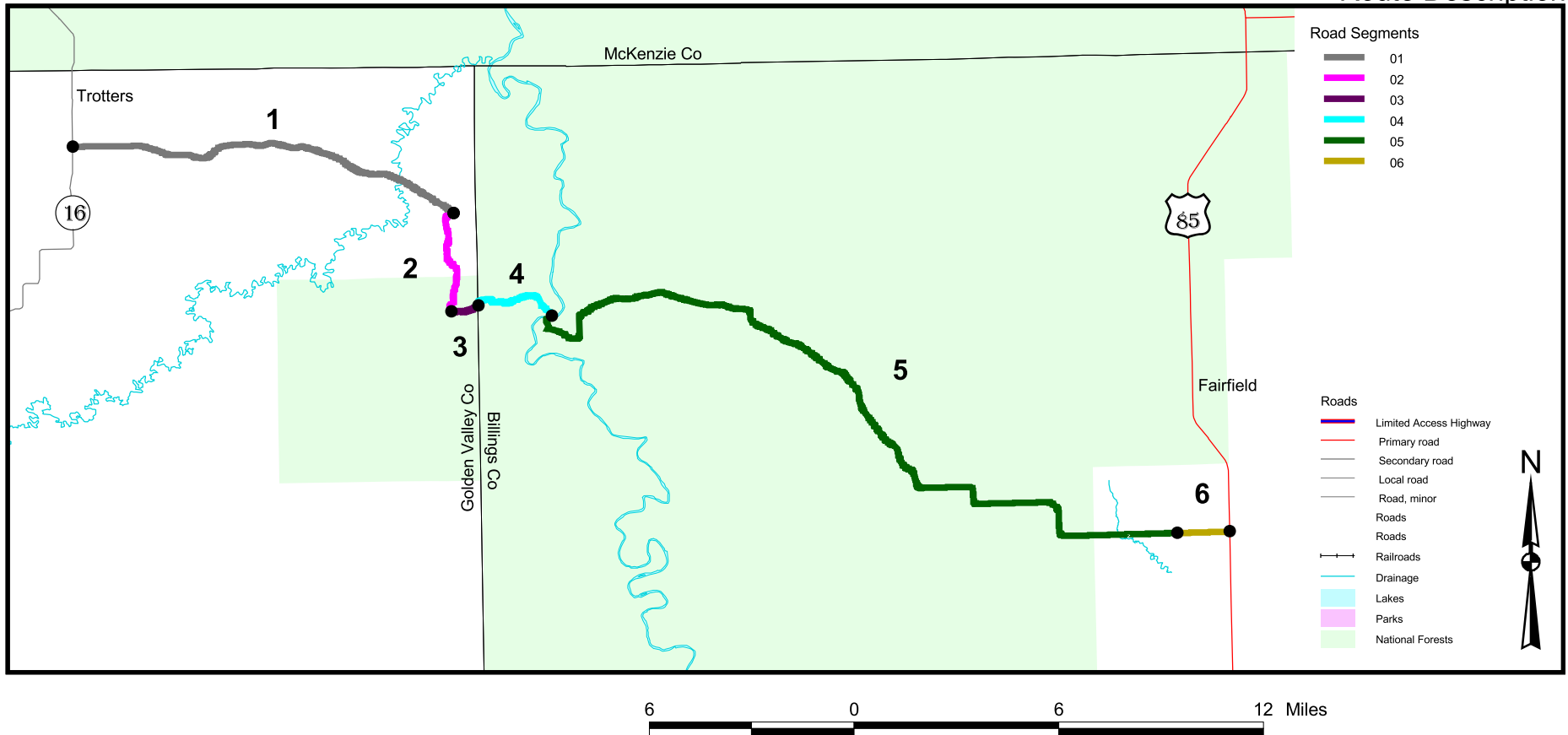
FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
1	1	SR 16	76.78	85.21	8.43	477	36	24	Flexible	67	18	76	Good
1	2	SR 16	85.21	93.81	8.60	275	36	24	Flexible	72	17	74	Good
1	3	SR 16	93.81	108.48	14.67	240	36	24	Flexible	75	17	74	Good
1	4	SR 16	108.48	118.48	10.00	231	36	24	Flexible	73	17	74	Good
1	5	SR 16	118.48	137.66	19.18	254	36	24	Flexible	126	11	60	Fair



FH	STATE/LOCAL ROUTE	NBIS NUMBER	MP	FACILITY	OWNER	WIDTH (FEET)	LENGTH (FEET)	STRUCTURALLY DEFICIENT?	FUNCTIONALLY OBSOLETE?	SUFF. RATING
1	SR-16	0016082907	82.7	LITTLE BEAVER CREEK	NDDOT	32.14	124.97	-	-	94.6
1	SR-16	0016093454	93.2	BEAVER CREEK	NDDOT	32.14	153.83	-	-	95.4
1	SR-16	0016123906	110.5	SPRING CREEK	NDDOT	32.14	24.93	-	-	97.3
1	SR-16	0016128664	118.5	BENNIE PEER CREEK	NDDOT	32.14	140.06	-	-	96.2

FH 2 Blacktail Road

Route Description

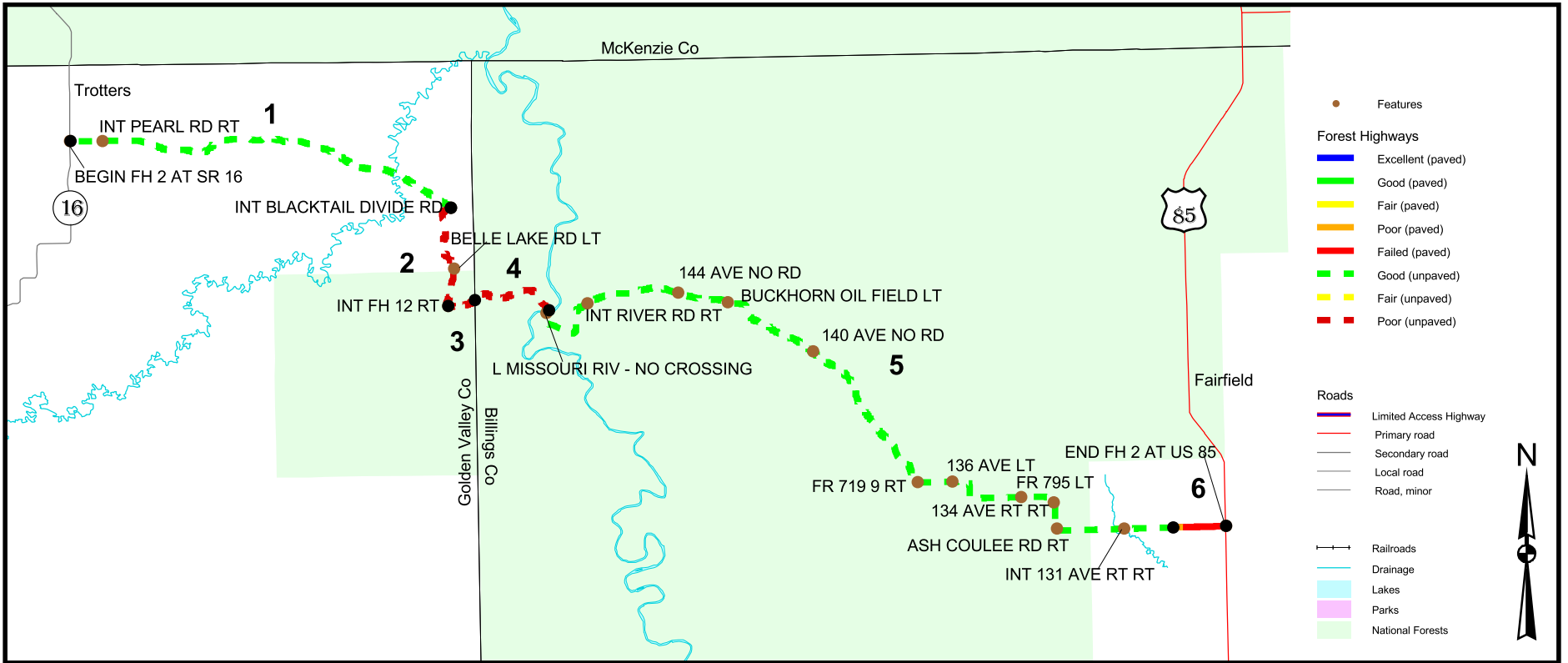


FH-02, Blacktail Road, This route starts at the junction with SR-16, 2 miles south of Trotters and proceeds easterly 43.85 miles (70.55 km) over various County Roads to the junction with US-85 in South Fairfield.

Evaluation: FH-02 is owned and operated by Golden Valley and Billings Counties. It is functionally classified as a local road serving the Little Missouri National Grassland. According to Forest Service data, 20 to 50% of the traffic is Forest related. The principal Forest resources served are recreation, grazing, gas and oil. The route also serves other local needs including schools, mail delivery, commercial supply, access to private property within the Grassland and access to the Elkhorn Ranch Unit of Theodore Roosevelt National Park. Note that there is currently no crossing of the Little Missouri River on this route.

FH 2 Blacktail Road

Pavement Condition



Map above shows the actual condition (paved sections only) which may not correspond to the average condition reported for each segment in the chart below. See Summary page i for more information.

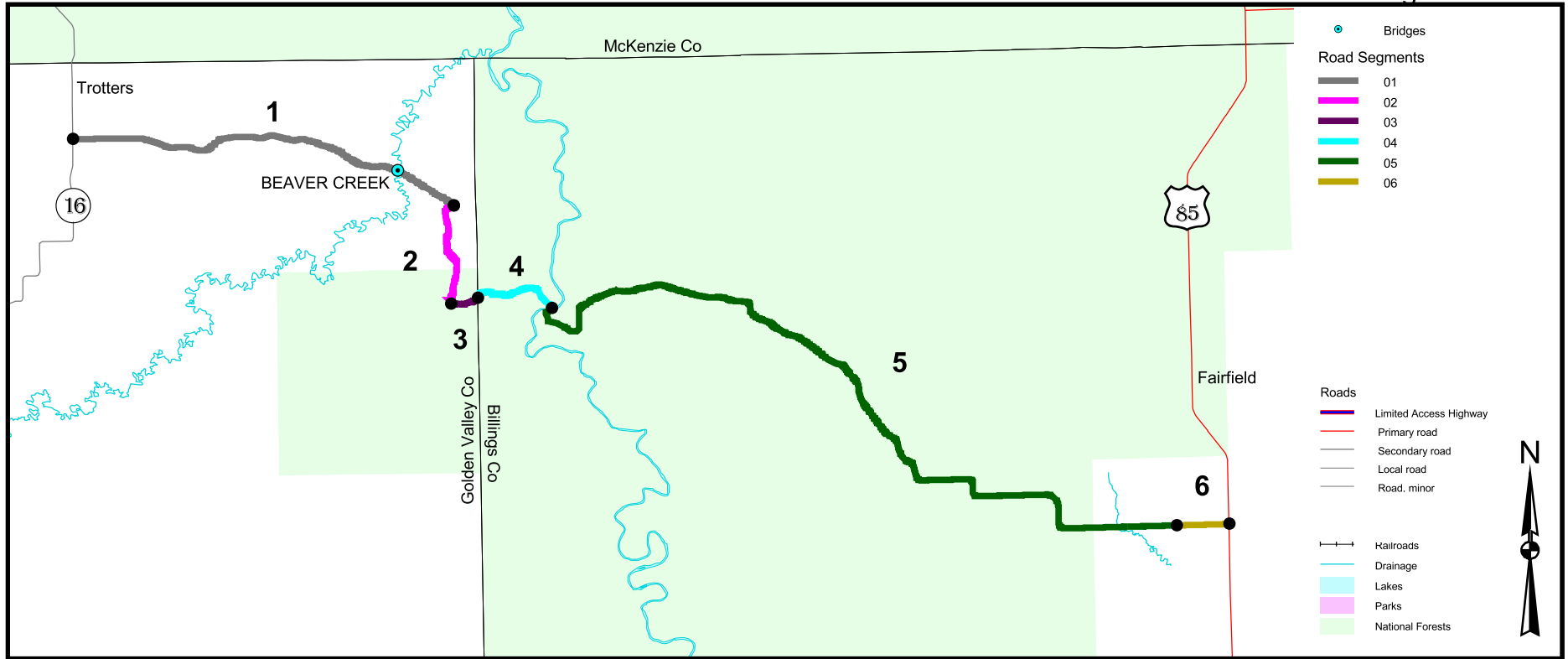


TOTAL ROUTE LENGTH: 43.85 Miles

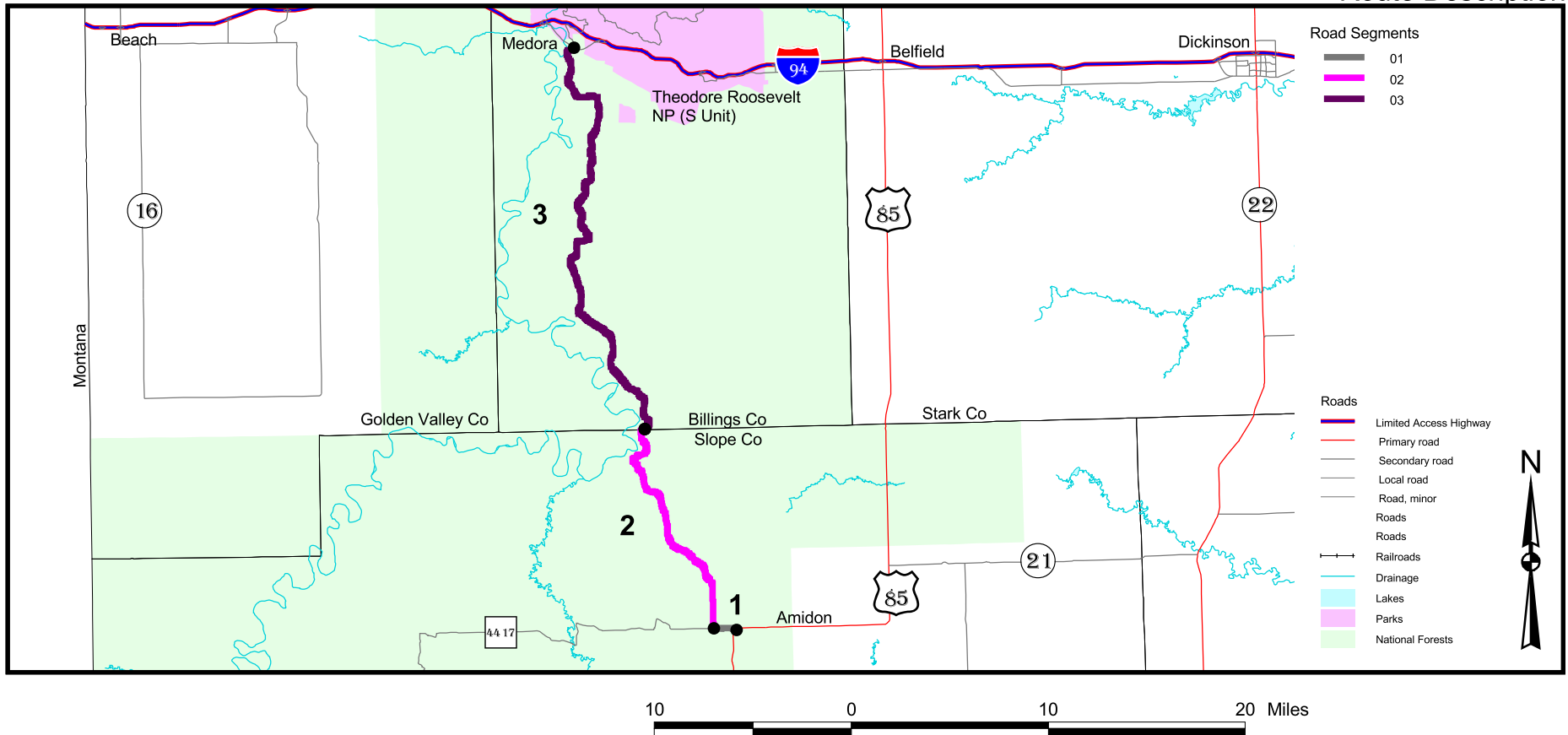
FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
2	1	Divide Road	0.00	11.91	11.91	90	20	N/A	Granular	N/A	0	N/A	Good
2	2	Divide Road	11.91	15.17	3.26	20	20	N/A	Granular	N/A	0	N/A	Poor
2	3	Divide Road	15.17	16.01	0.84	20	20	N/A	Granular	N/A	0	N/A	Poor
2	4	Divide Road	16.01	18.75	2.74	20	20	N/A	Granular	N/A	0	N/A	Poor
2	5	Blacktail Road	18.75	42.30	23.55	210	20	N/A	Granular	N/A	0	N/A	Good
2	6	20th St	42.30	43.85	1.55	150	30	24	Flexible	281	0	32	Failed

FH 2 Blacktail Road

Bridge Condition



FH	STATE/LOCAL ROUTE	NBIS NUMBER	MP	FACILITY	OWNER	WIDTH (FEET)	LENGTH (FEET)	STRUCTURALLY DEFICIENT?	FUNCTIONALLY OBSOLETE?	SUFF. RATING
2	N/A	000000017116030	9.9	BEAVER CREEK	Golden Valley Co	28.86	145.96	-	-	91.6

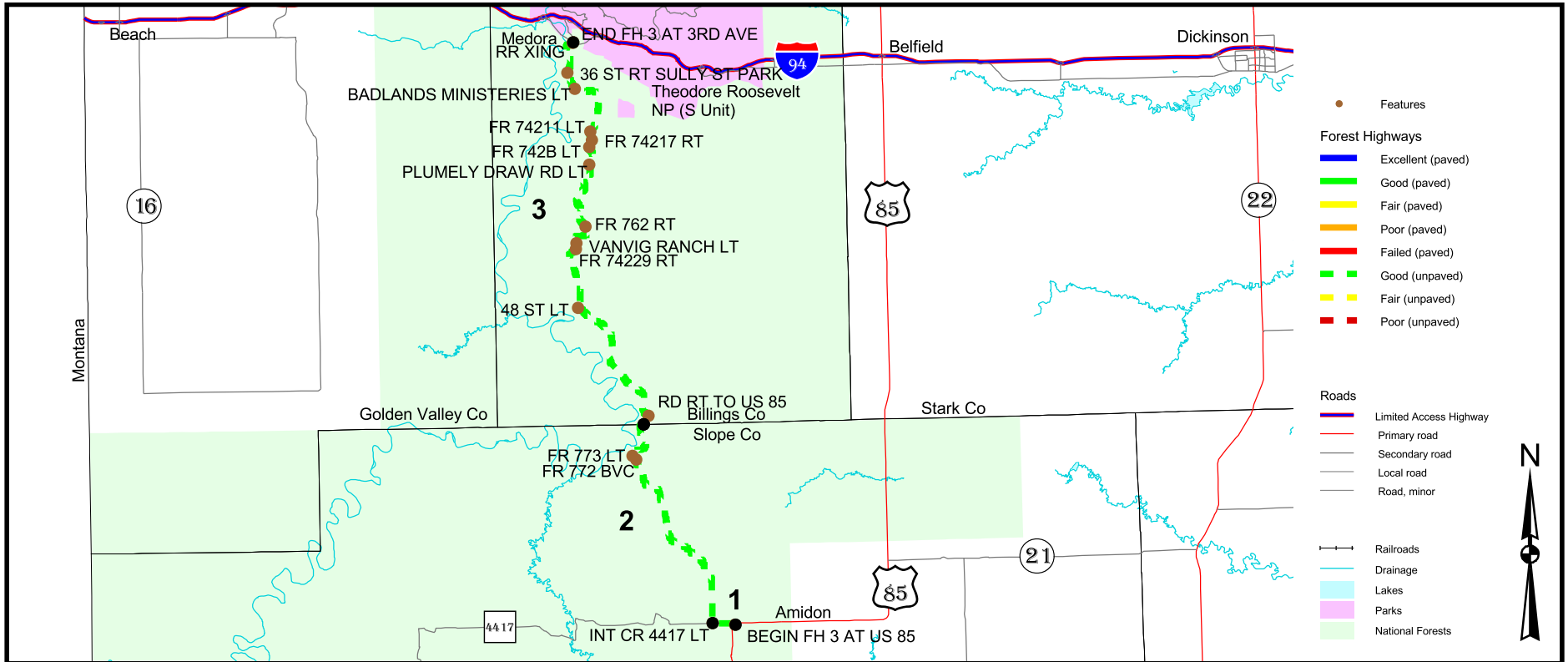


FH-03, East River Road. This route starts at the junction with US-85 near Amidon and proceeds westerly 1.18 miles (1.9 km) over Slope CR-4417, northerly 12.56 miles (20.21 km) over Hamann Road in Slope County, and then northerly 24.67 miles (39.69 km) over various Billings County Roads to the junction with 3rd Avenue in Medora.

Evaluation: CR-4417 is owned and operated by Slope County. It is functionally classified as a major collector. The remaining portion of FH-03 is owned and operated by Slope and Billings Counties and is classified as a local road serving the Little Missouri National Grassland. According to Forest Service data, 75% of the traffic is Forest related. The principal Forest resources served are recreation, grazing, gas and oil. It serves one Forest Service owned campground and a State park. The route also serves other local needs including schools, mail delivery, commercial supply and access to private property within the Grassland.

FH 3 East River Road

Pavement Condition



Map above shows the actual condition (paved sections only) which may not correspond to the average condition reported for each segment in the chart below. See Summary page i for more information.

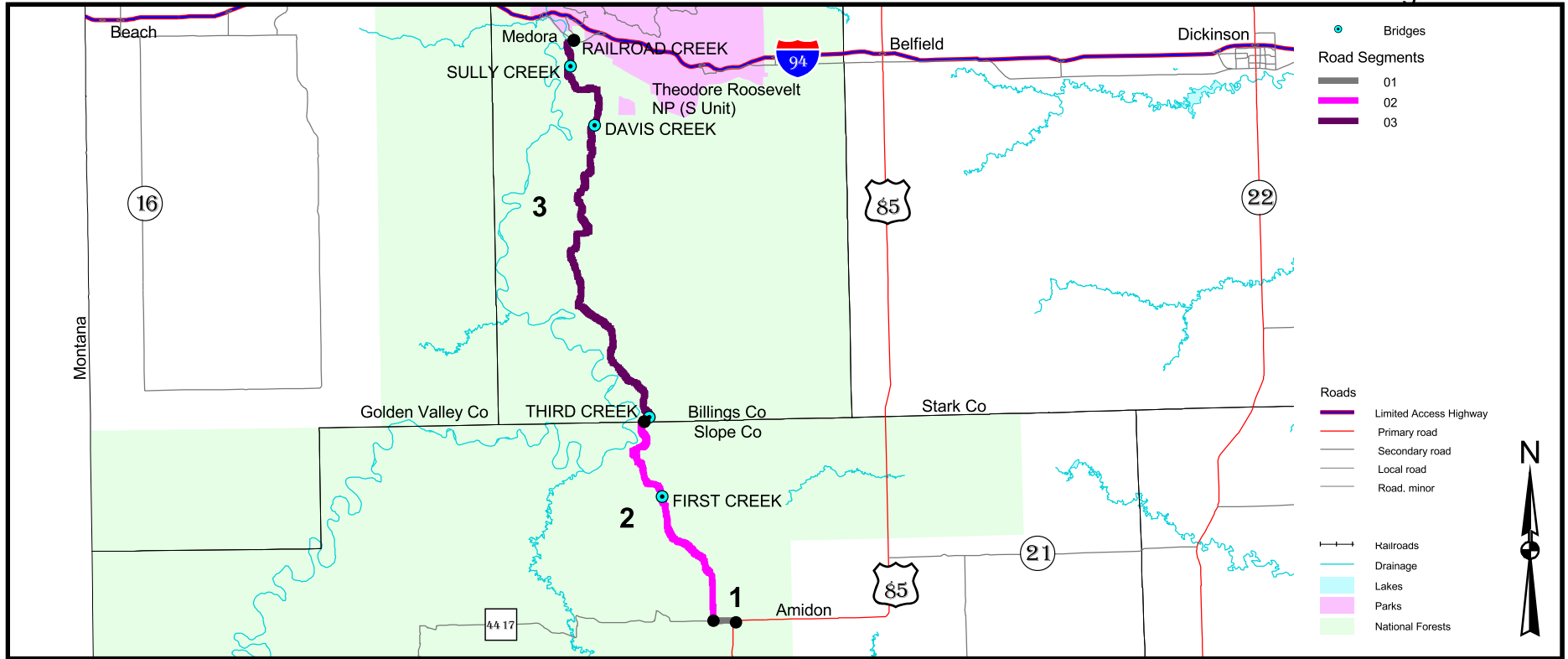


TOTAL ROUTE LENGTH: 38.41 Miles

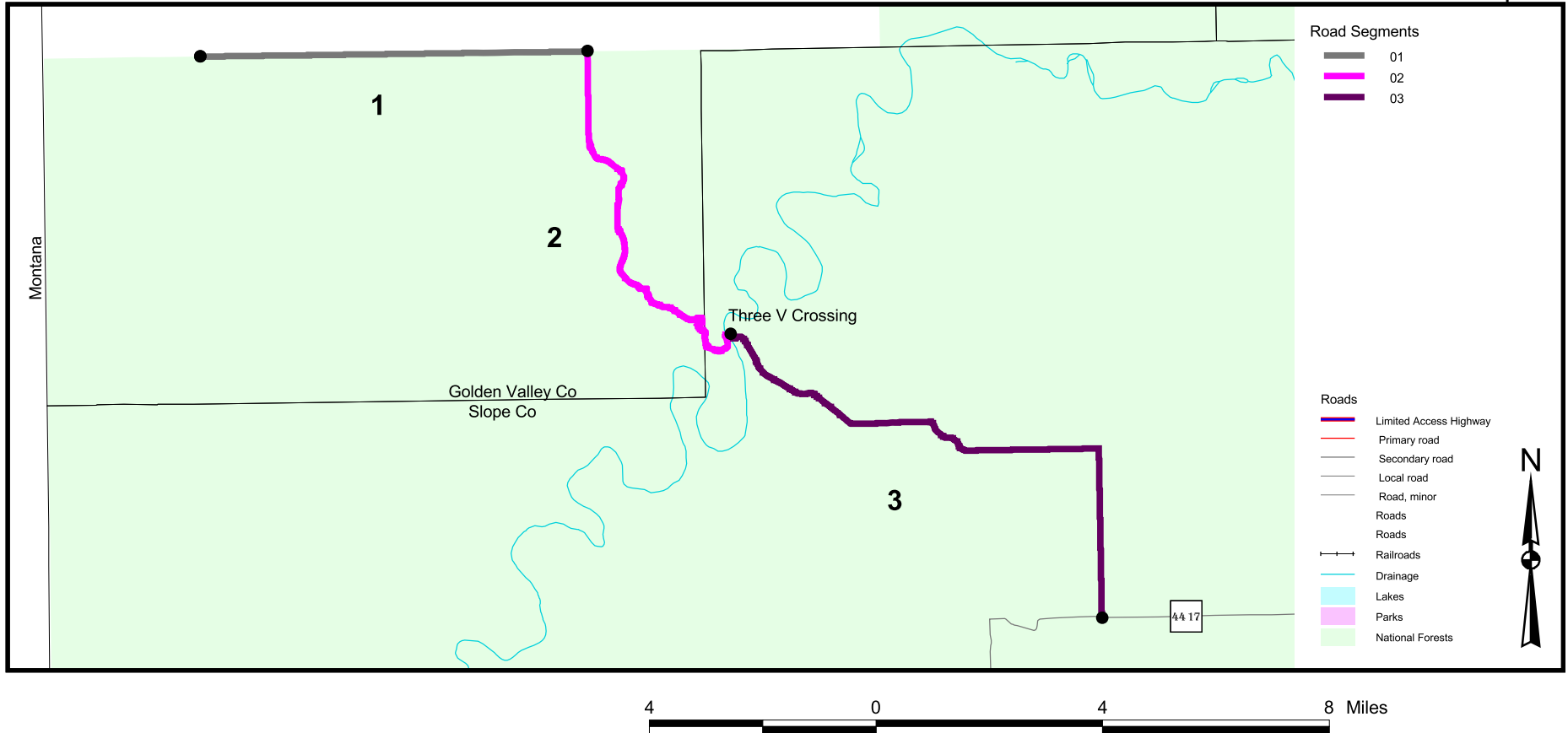
FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
3	1	CR 4417	0.00	1.18	1.18	210	24	N/A	Granular	N/A	0	N/A	Good
3	2	Hamann Road	1.18	13.74	12.56	210	24	N/A	Granular	N/A	0	N/A	Good
3	3	East River Road	13.74	38.41	24.67	300	24	N/A	Granular	N/A	0	N/A	Good

FH 3 East River Road

Bridge Condition



FH	STATE/LOCAL ROUTE	NBIS NUMBER	MP	FACILITY	OWNER	WIDTH (FEET)	LENGTH (FEET)	STRUCTURALLY DEFICIENT?	FUNCTIONALLY OBSOLETE?	SUFF. RATING
3	N/A	000000044130040	8.7	FIRST CREEK	Slope Co.	27.88	69.86	-	-	96.9
3	N/A	000000004110480	14.1	THIRD CREEK	Billings Co	28.54	60.02	-	-	99.8
3	N/A	000000004108330	32.5	DAVIS CREEK	Billings Co	24.27	27.88	-	-	99.8
3	N/A	000000004106300	36.8	SULLY CREEK	Billings Co	24.00	70.85	-	-	96.8
3	N/A	000000004106290	38.2	RAILROAD CREEK	Billings Co	24.92	36.00	-	-	100

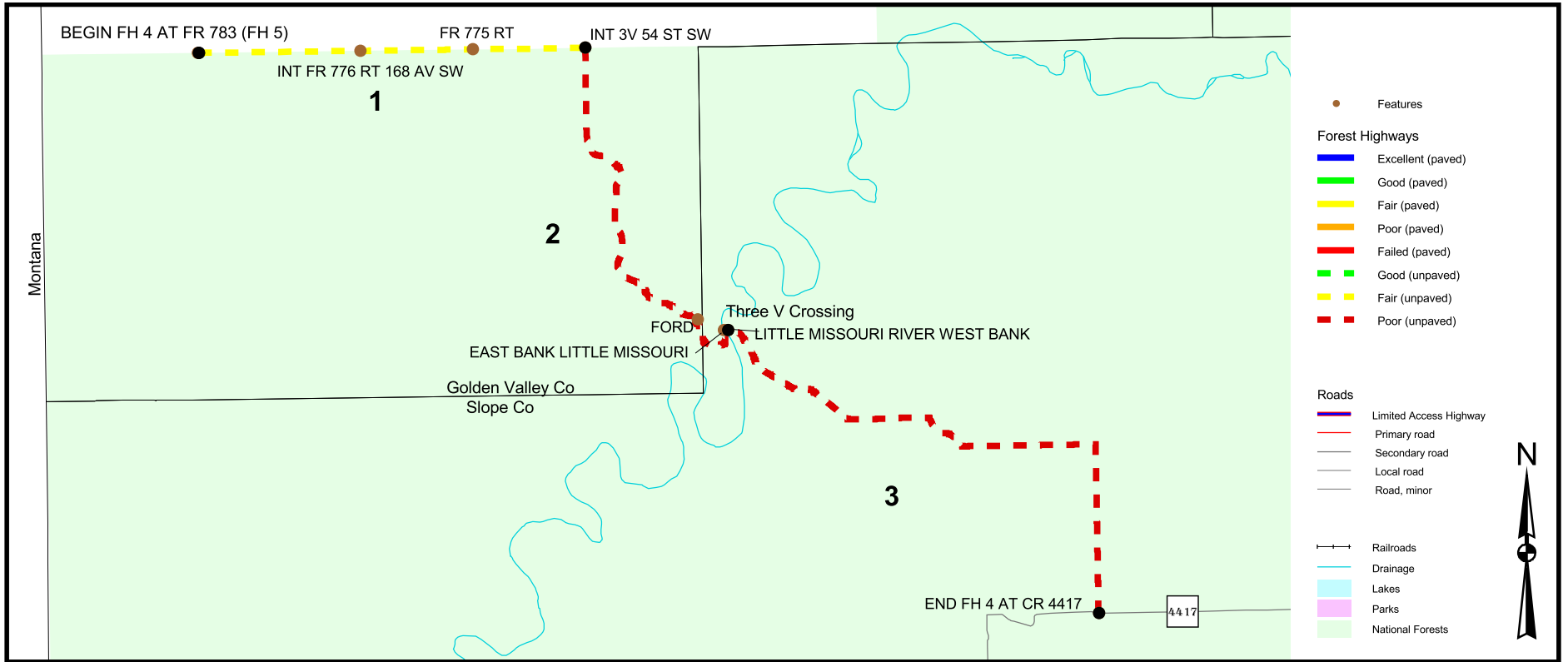


FH-04, Three V's Road. This route starts at the junction with FH-5, 5.0 miles south of the southern end of SR-16, and proceeds easterly and southerly 24.69 miles (39.73 km) over various County Roads in Golden Valley and Slope Counties to the junction with Slope CR-4417 near the Wolfgrum Ranch 14.5 miles west of US-85.

Evaluation: FH-04 is owned and operated by Golden Valley and Slope Counties. It is functionally classified as a minor collector serving the Little Missouri National Grassland. According to Forest Service data, 50% of the traffic is Forest related. The principal Forest resources served are grazing and oil. The route also serves other local needs by providing access to private property within the Grassland. Note that there is currently no developed crossing of the Little Missouri River on this route.

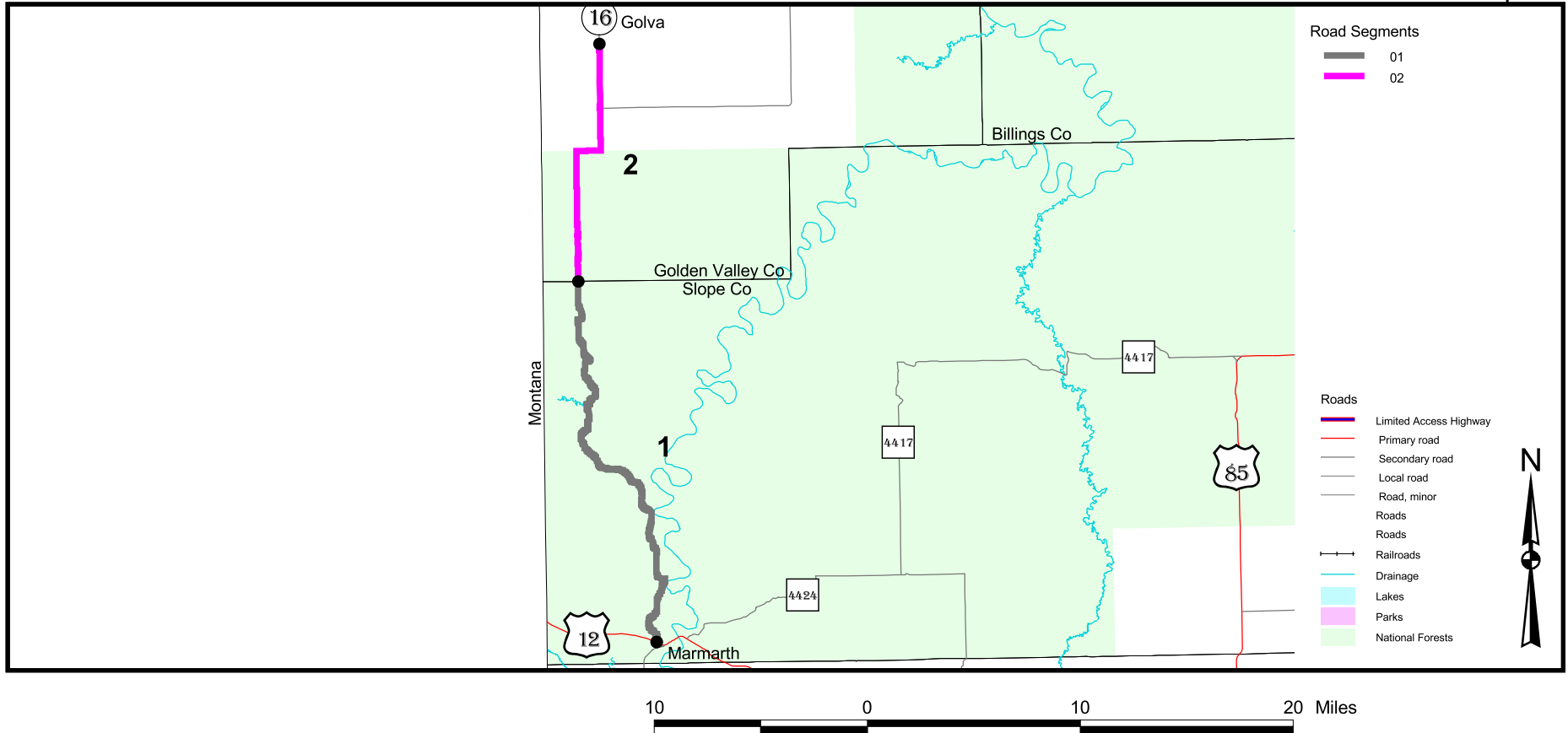
FH 4 Three V's Road

Pavement Condition



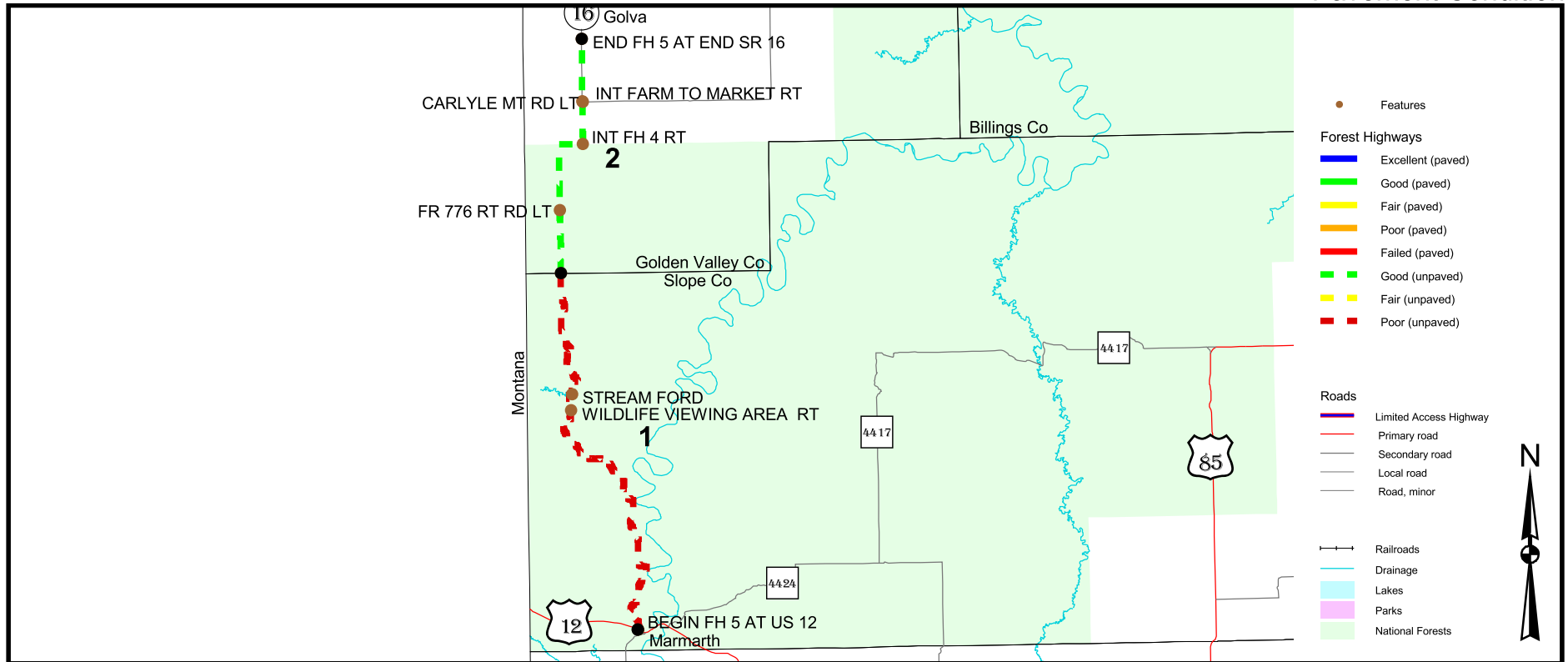
TOTAL ROUTE LENGTH: 24.69 Miles

FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
4	1	9th St	0.00	6.84	6.84	70	20	N/A	Granular	N/A	0	N/A	Fair
4	2	FDR 774	6.84	14.25	7.41	70	20	N/A	Granular	N/A	0	N/A	Poor
4	3	FDR 774	14.25	24.69	10.44	10	20	N/A	Granular	N/A	0	N/A	Poor



FH-05, Marmarth-Golva. This route starts at the junction with US-12 in Marmarth and proceeds northerly 33.44 miles (53.8 km) over FDR 783 to the southern end of SR-16, two miles south of Golva.

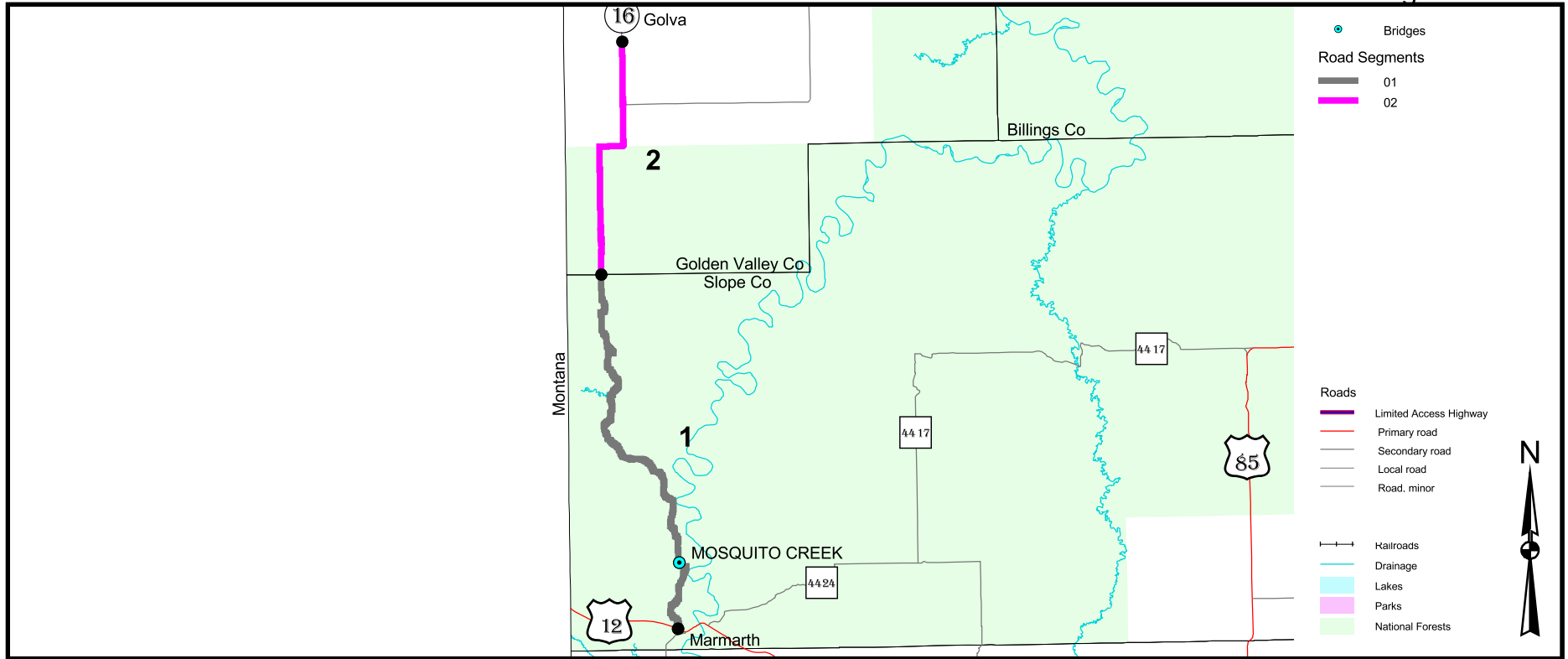
Evaluation: FH-04 is owned and operated by Golden Valley and Slope Counties. It is functionally classified as a local road from US-12 to 3 miles south of SR-16; from that point it is a major collector serving the Little Missouri National Grassland. According to Forest Service data, 50% of the traffic is Forest related. The principal Forest resources served are grazing and oil. The route also serves other local needs including schools, mail delivery, commercial supply and access to private property within the Grassland.



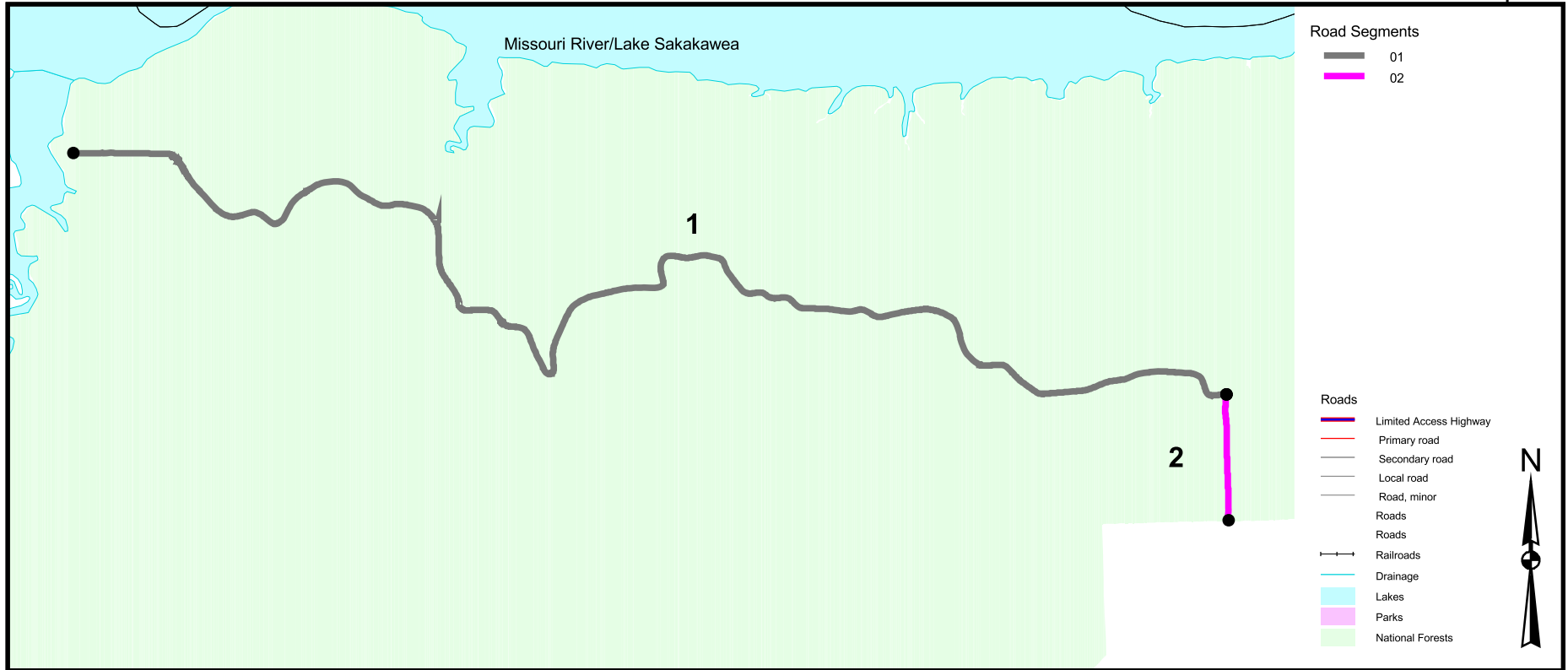
Map above shows the actual condition (paved sections only) which may not correspond to the average condition reported for each segment in the chart below. See Summary page i for more information.

TOTAL ROUTE LENGTH: 33.44 Miles

FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
5	1	CR 38	0.00	21.15	21.15	25	12	N/A	Granular	N/A	0	N/A	Poor
5	2	CR 27	21.15	33.44	12.29	25	24	N/A	Granular	N/A	0	N/A	Good

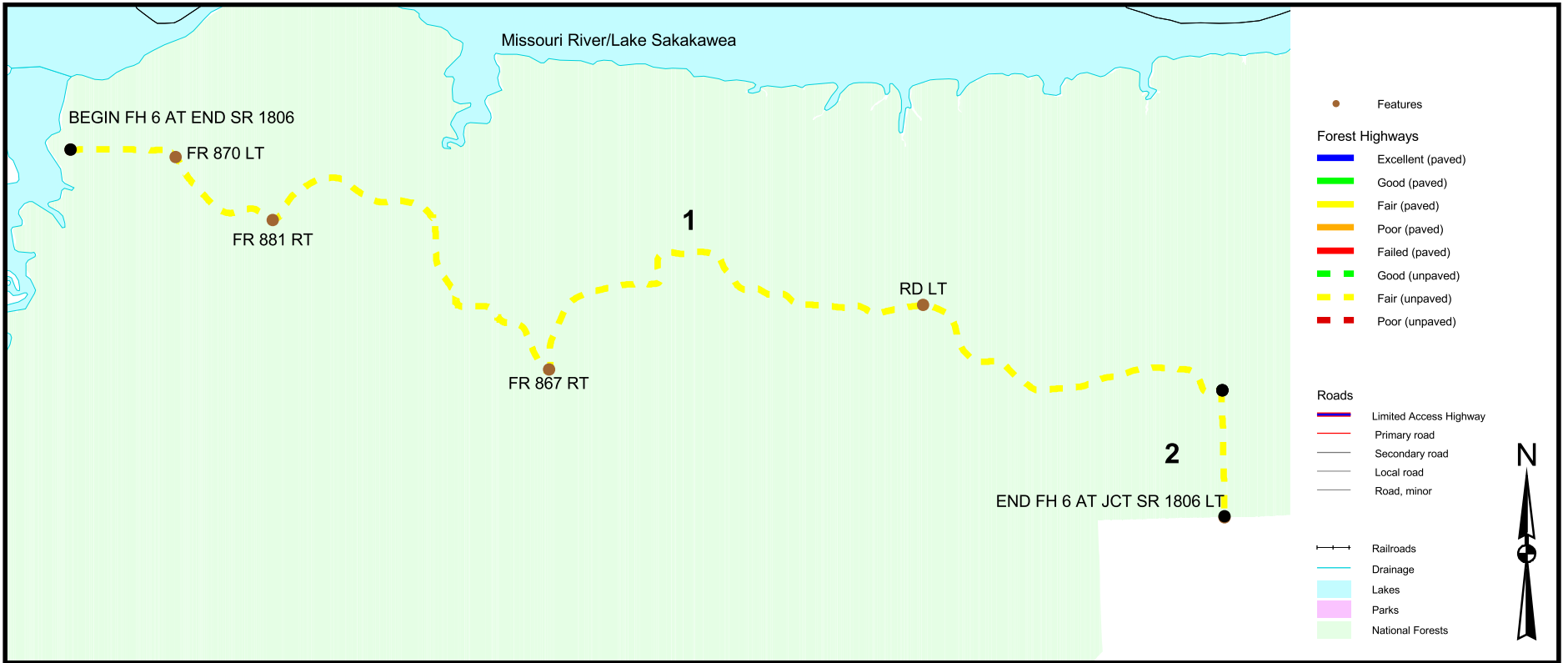


FH	STATE/LOCAL ROUTE	NBIS NUMBER	MP	FACILITY	OWNER	WIDTH (FEET)	LENGTH (FEET)	STRUCTURALLY DEFICIENT?	FUNCTIONALLY OBSOLETE?	SUFF. RATING
5	FDR-783	000000044106200	3.8	MOSQUITO CREEK	Slope Co.	18.00	30.83	-	-	79.2



FH-06, Tobacco Garden-Charlson. This route starts at the junction with SR-1806 at Tobacco Garden and proceeds easterly 11.41 miles (18.36 km) over CR-02 and .98 miles (1.58 km) over CR-55 to SR-1806 two miles west of Charlson.

Evaluation: CR-02 is owned and operated by McKenzie County. It is functionally classified as a major collector serving the Little Missouri National Grassland. According to Forest Service data, 75% of the traffic is Forest related. The principal Forest resources served are recreation, gas, oil and grazing. The route also serves other local needs including schools, mail delivery, commercial supply and access to private property within the Grassland.

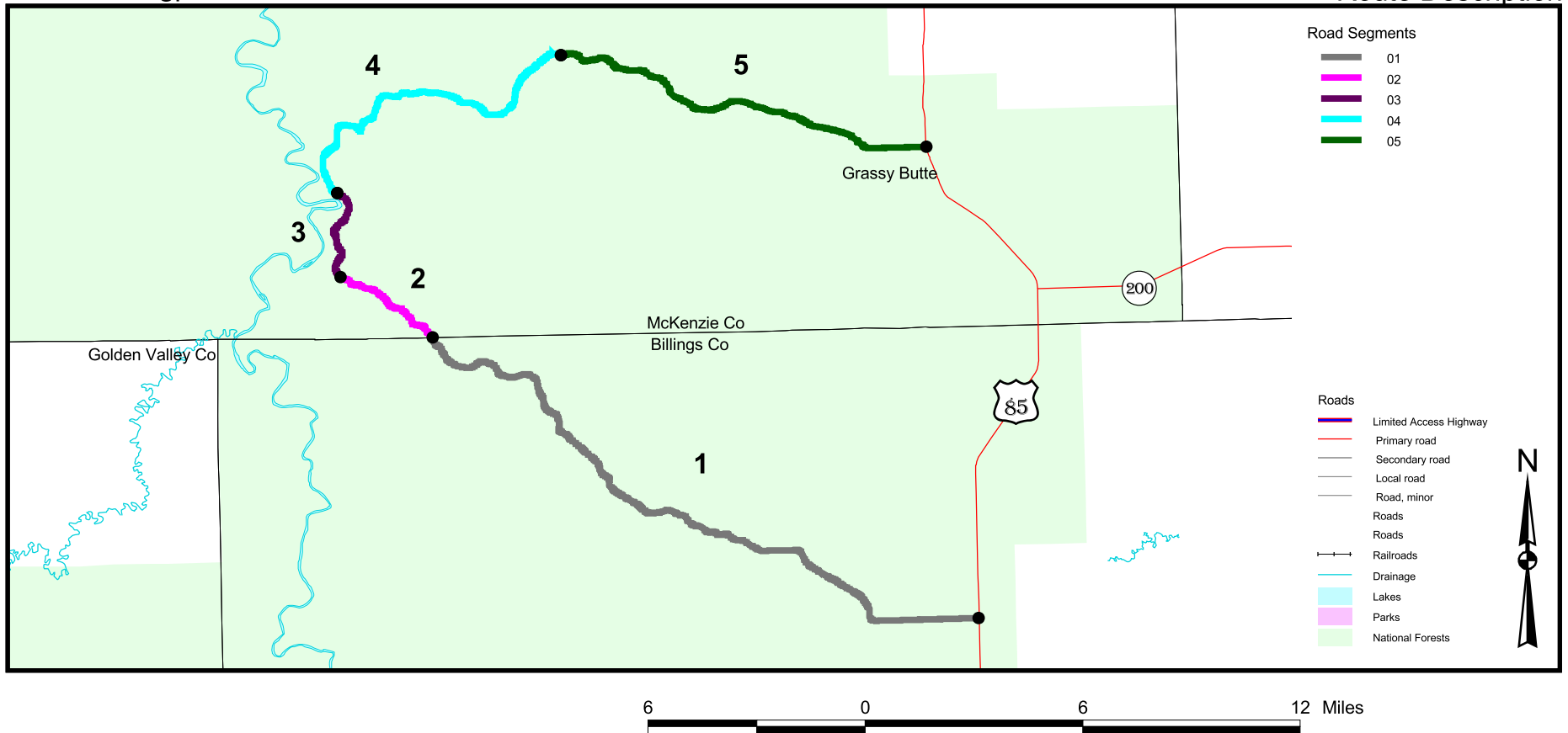


Map above shows the actual condition (paved sections only) which may not correspond to the average condition reported for each segment in the chart below. See Summary page i for more information.



TOTAL ROUTE LENGTH: 12.39 Miles

FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
6	1	CR 2	0.00	11.41	11.41	90	30	N/A	Granular	N/A	0	N/A	Fair
6	2	CR 55	11.41	12.39	0.98	170	30	N/A	Granular	N/A	0	N/A	Fair

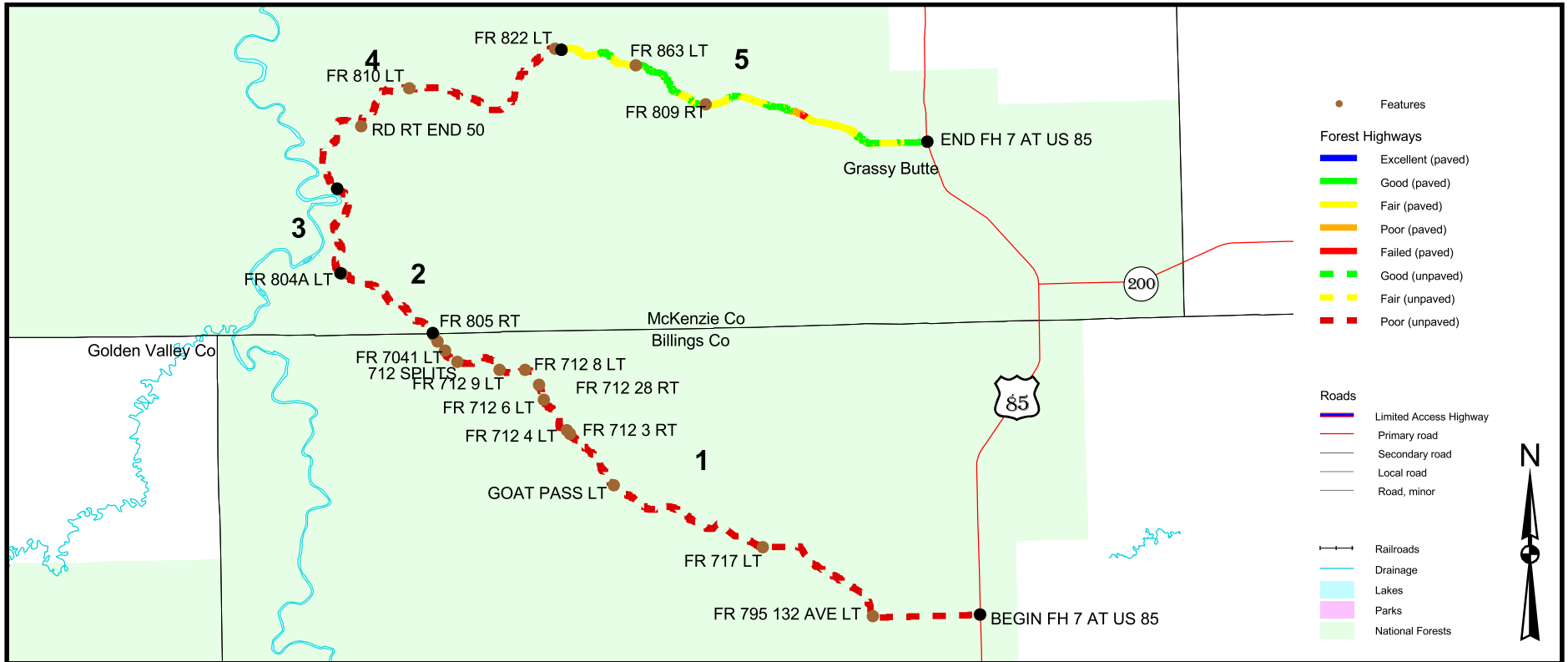


FH-07, Magpie Creek Road. This route starts at the junction with US-85, 1.5 miles north of Fairfield, and proceeds westerly and northerly 19.16 miles (30.83 km) over FR 712, northerly 16.24 miles (26.13 km) on FR's 804 and 810, and then looping back on McKenzie CR-50 easterly 11.07 miles (17.81 km) to US-85 near Grassy Butte.

Evaluation: The various FR Roads are owned and operated by Billings and McKenzie Counties. CR-50 is owned and operated by McKenzie County. The FR roads are functionally classified as local roads; CR-50 is a major collector, all serving the Little Missouri National Grassland. According to Forest Service data, 75% of the traffic is Forest related. The principal Forest resources served are gas, oil and grazing. The route also serves other local needs including schools, mail delivery, commercial supply and access to private property within the Grassland.

FH 7 Magpie Creek Road

Pavement Condition



Map above shows the actual condition (paved sections only) which may not correspond to the average condition reported for each segment in the chart below. See Summary page i for more information.

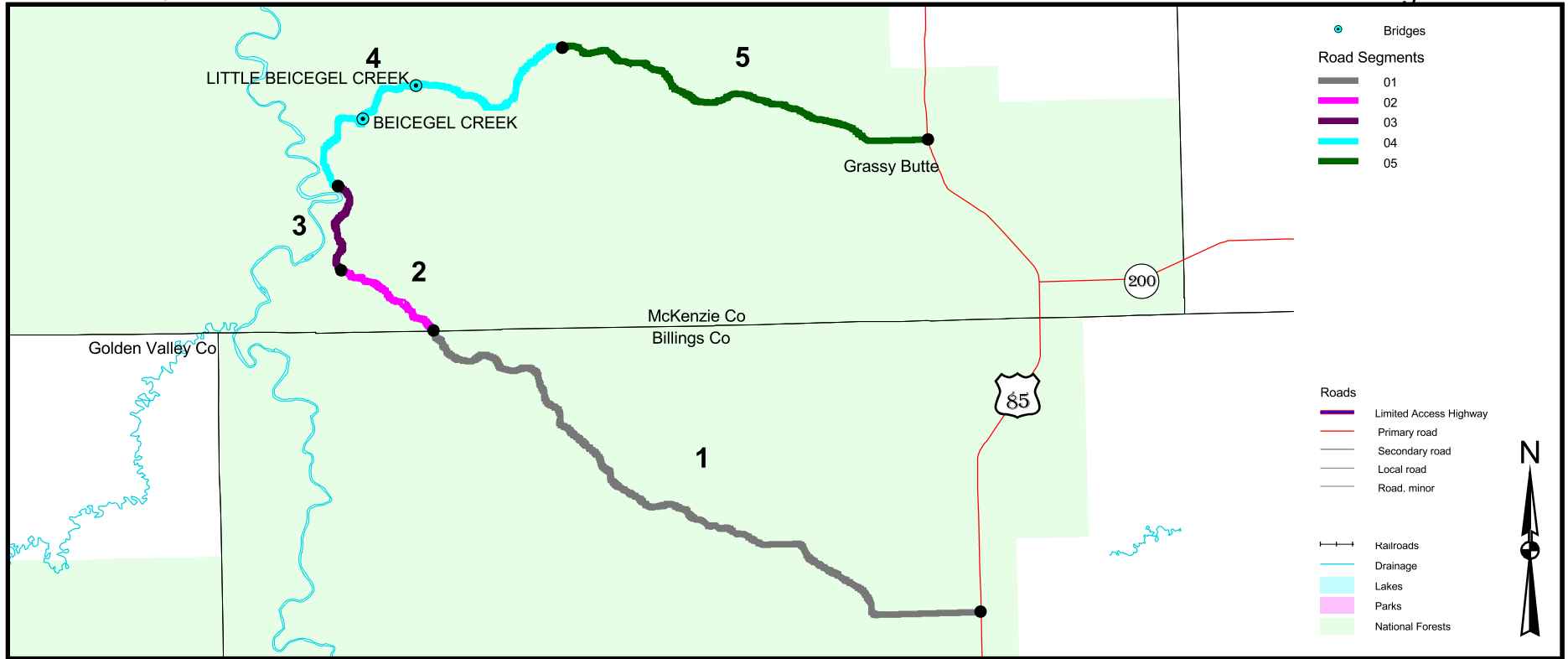


TOTAL ROUTE LENGTH: 46.47 Miles

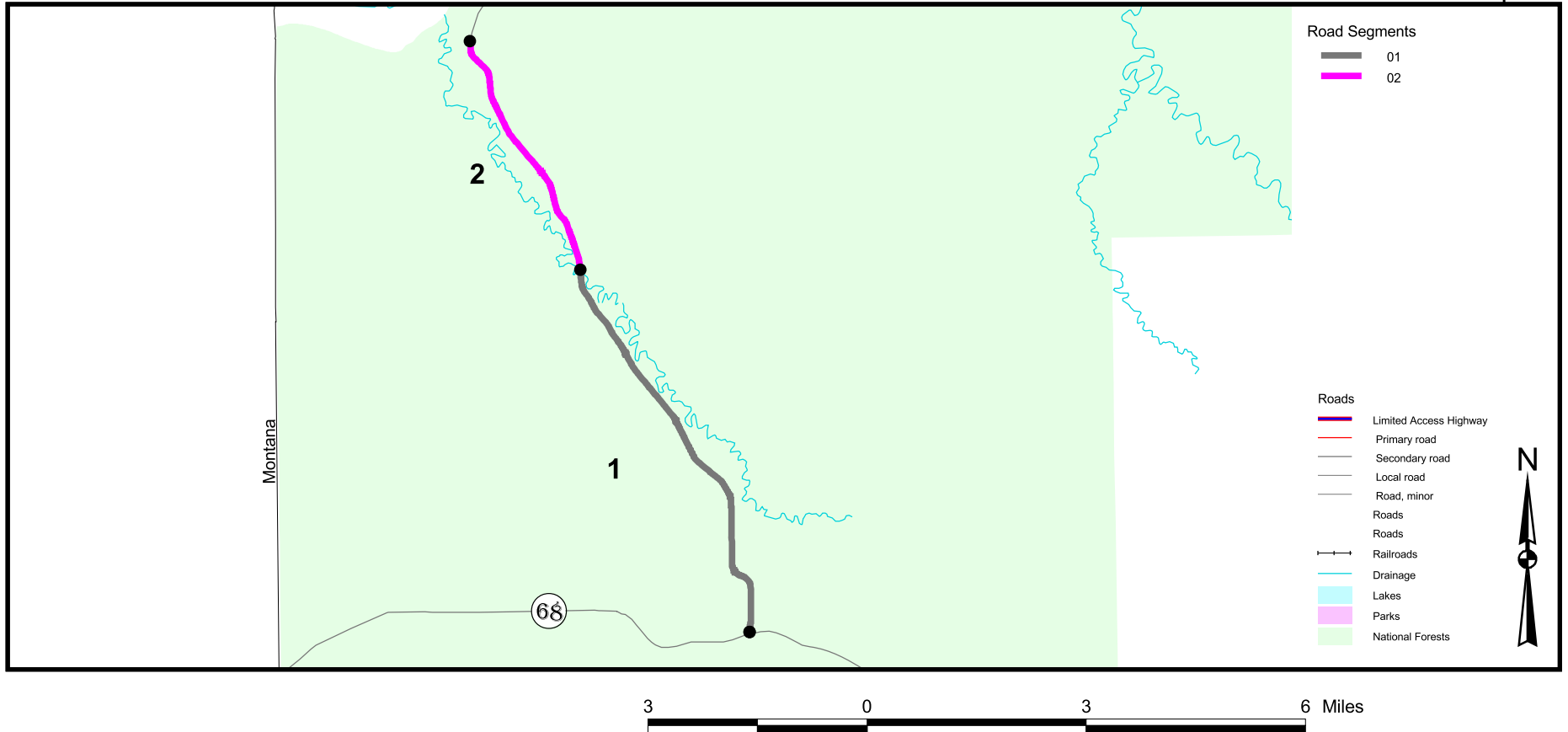
FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
7	1	FR 712	0.00	19.16	19.16	150	30	N/A	Granular	N/A	0	N/A	Poor
7	2	FR 804	19.16	22.46	3.30	150	30	N/A	Granular	N/A	0	N/A	Poor
7	3	FR 810	22.46	25.26	2.80	150	30	N/A	Granular	N/A	0	N/A	Poor
7	4	FR 810	25.26	35.40	10.14	150	30	N/A	Granular	N/A	0	N/A	Poor
7	5	CR 50	35.40	46.47	11.07	250	30	24	Flexible	107	13	64	Fair

FH 7 Magpie Creek Road

Bridge Condition



FH	STATE/LOCAL ROUTE	NBIS NUMBER	MP	FACILITY	OWNER	WIDTH (FEET)	LENGTH (FEET)	STRUCTURALLY DEFICIENT?	FUNCTIONALLY OBSOLETE?	SUFF. RATING
7	CR-2750	000000027122480	28.0	BEICEGEL CREEK	McKenzie Co.	0.00	20.99	-	-	94.8
7	CR-2750	000000027123510	30.0	LITTLE BEICEGEL CREEK	McKenzie Co.	28.54	94.14	-	-	91.9

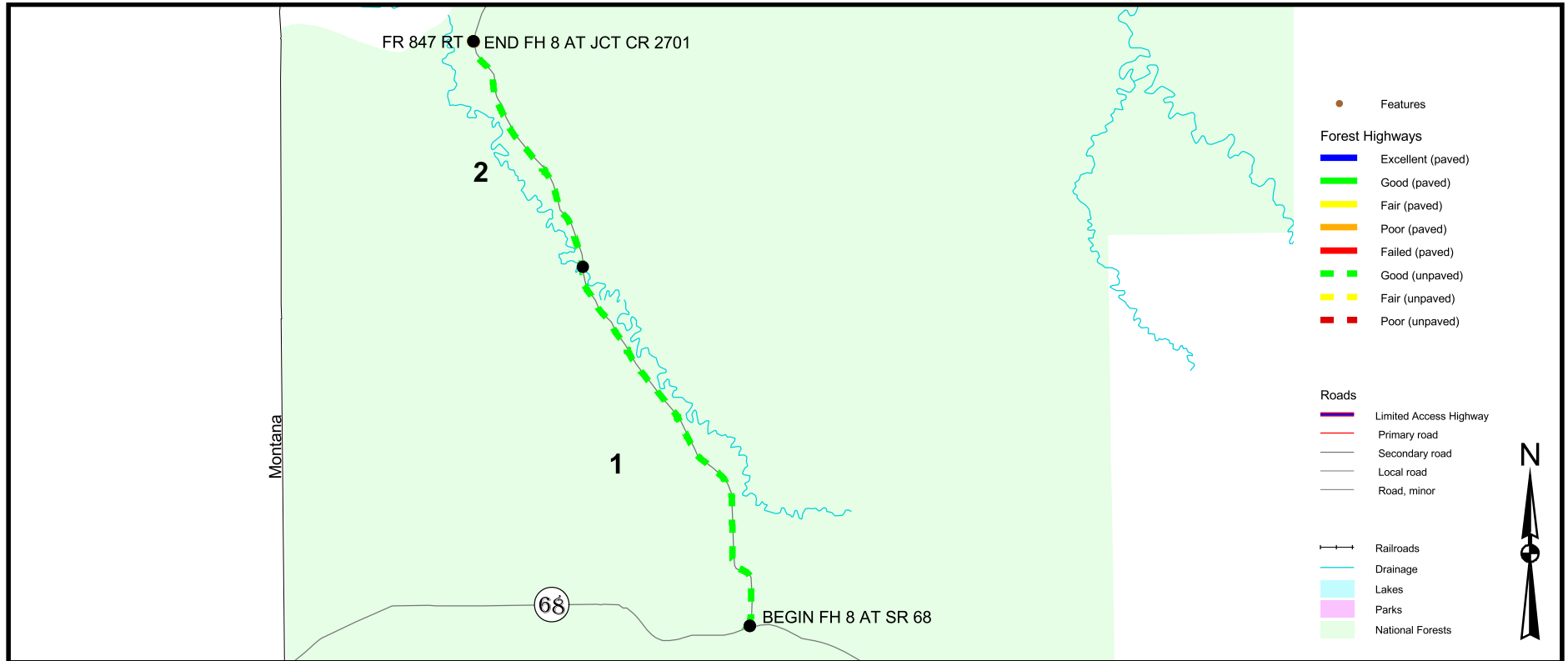


FH-08, Horse Creek Road. This route starts at the junction with SR-68, 6.9 miles east of the Montana State Line, and proceeds northwesterly 9.34 miles (15.03 km) over CR-03 to the junction with CR-01.

Evaluation: CR-03 is owned and operated by McKensie County. It is functionally classified as a major collector serving the Little Missouri National Grassland. According to Forest Service data, 50% of the traffic is Forest related. The principal Forest resources served are oil and grazing. The route also serves other local needs including schools, mail delivery, commercial supply and access to private property within the Grassland.

FH 8 Horse Creek Road

Pavement Condition

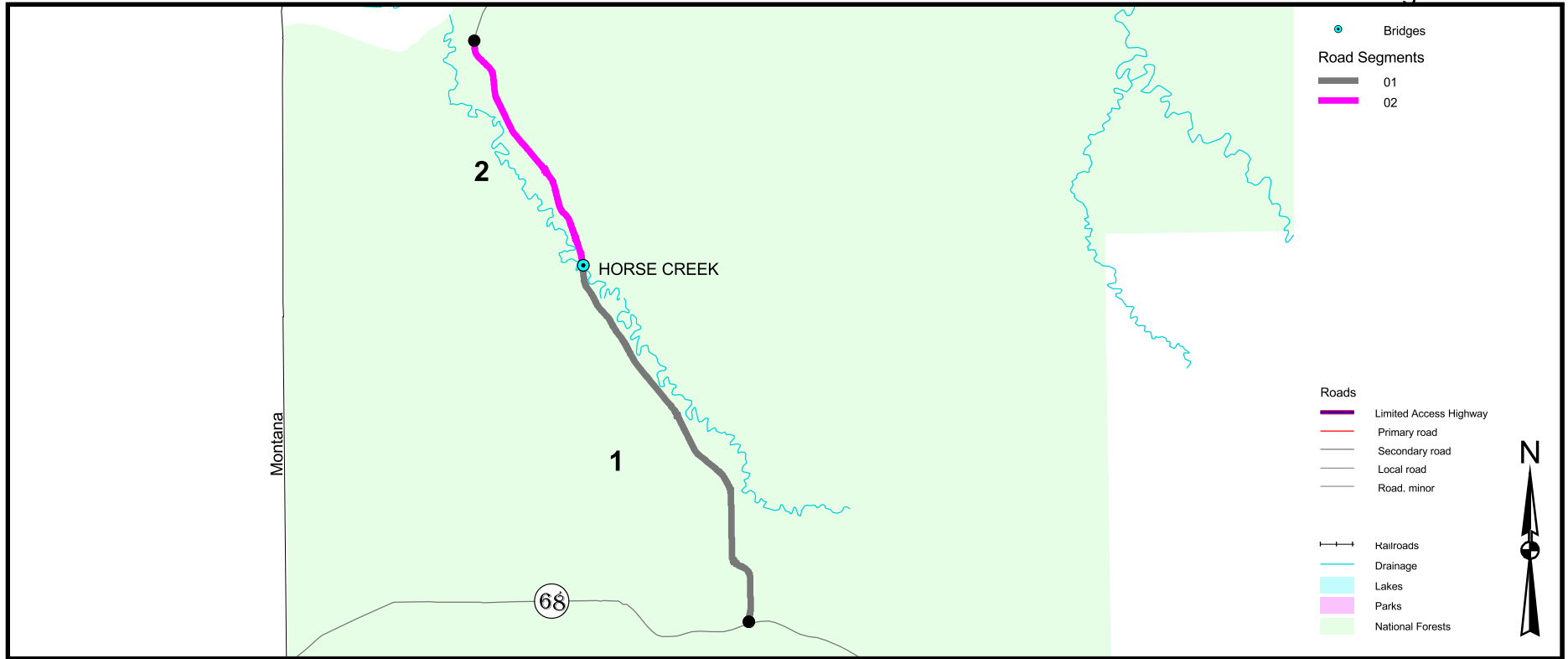


Map above shows the actual condition (paved sections only) which may not correspond to the average condition reported for each segment in the chart below. See Summary page i for more information.

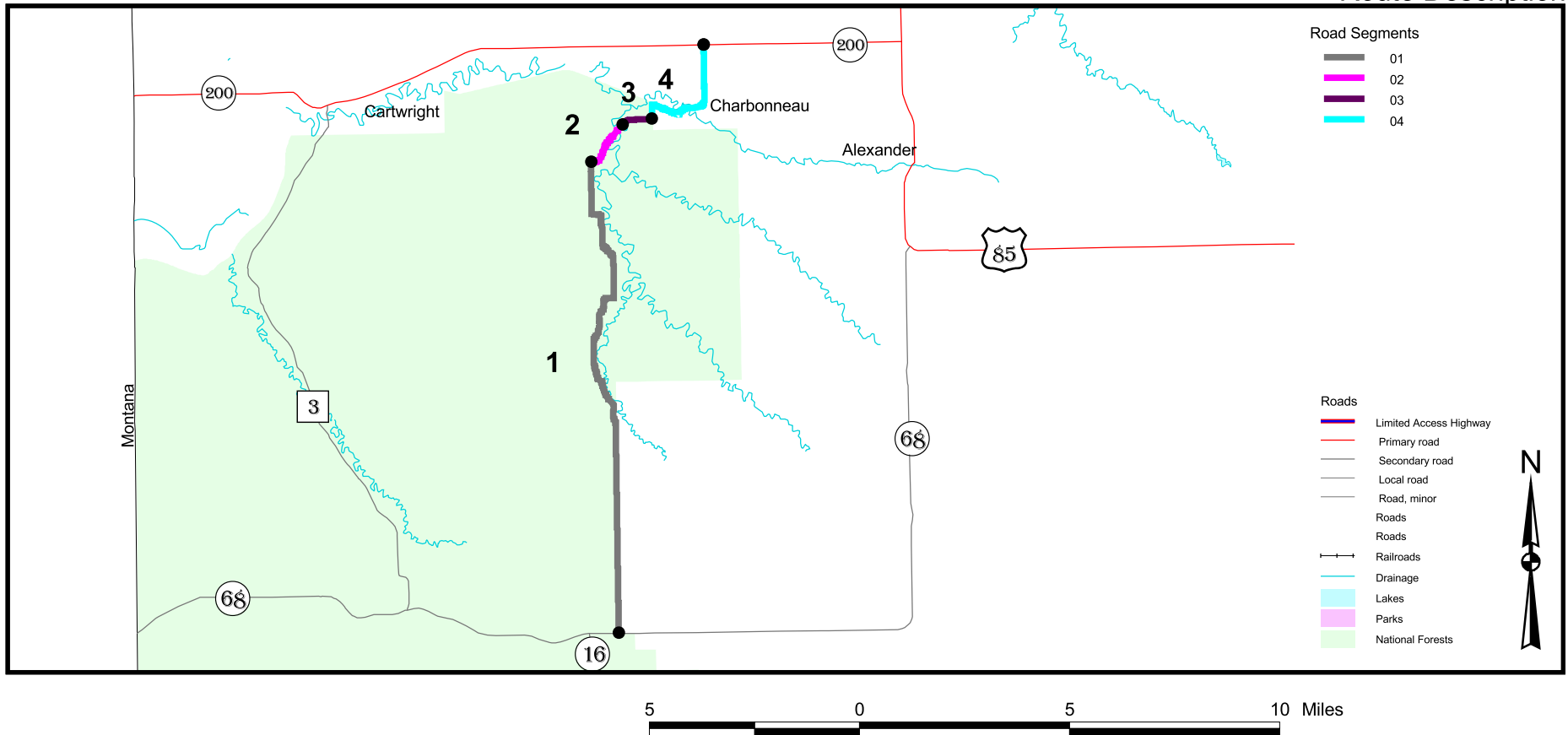


TOTAL ROUTE LENGTH: 9.34 Miles

FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
8	1	CR 3	0.00	5.77	5.77	50	30	N/A	Granular	N/A	0	N/A	Good
8	2	CR 3	5.77	9.34	3.57	50	30	N/A	Granular	N/A	0	N/A	Good

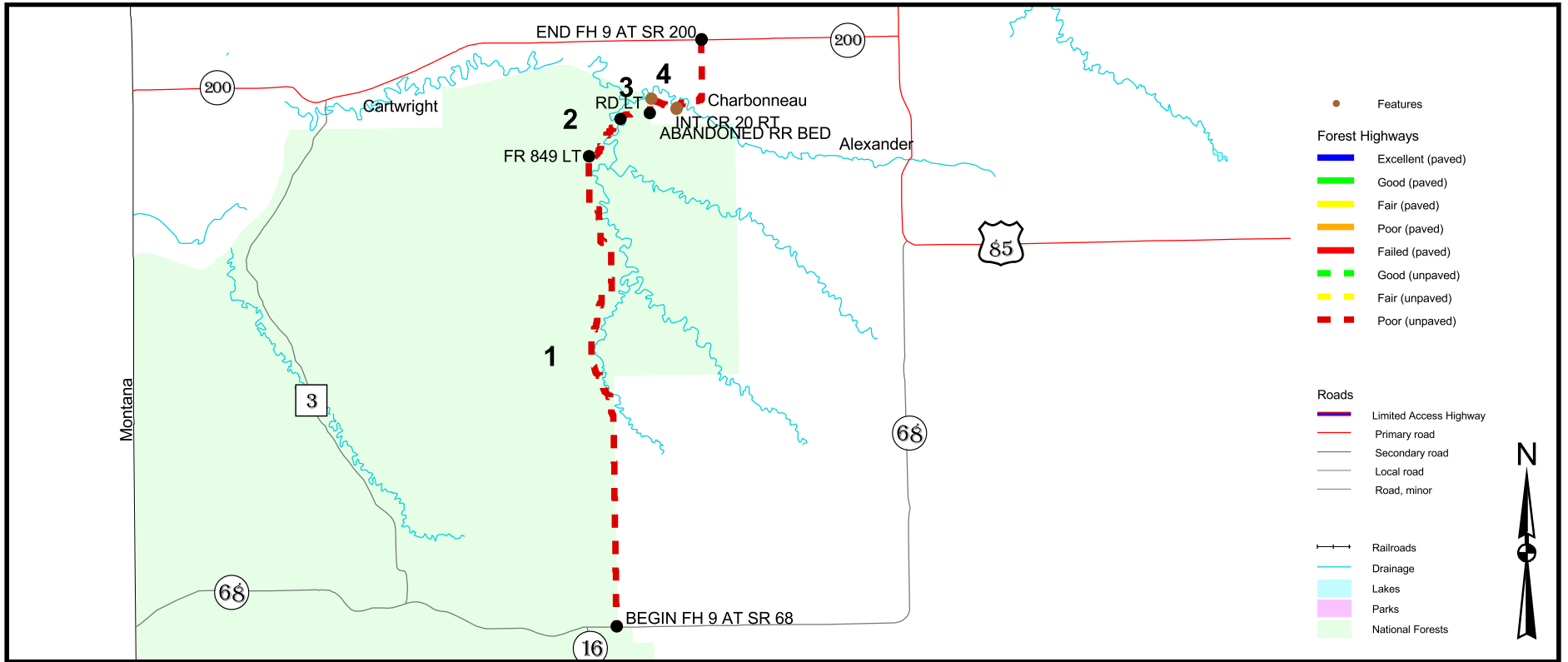


FH	STATE/LOCAL ROUTE	NBIS NUMBER	MP	FACILITY	OWNER	WIDTH (FEET)	LENGTH (FEET)	STRUCTURALLY DEFICIENT?	FUNCTIONALLY OBSOLETE?	SUFF. RATING
8	CR-2703	000000027103240	9.3	HORSE CREEK	McKenzie Co.	29.85	60.02	-	-	97.8



FH-09, Sather Lake-Charbonneau. This route starts at the junction with SR-68, approximately 3 miles west of CR-15, and proceeds northerly 17.0 miles (27.4 km) over CR-13 to the junction with SR-200 north of Charbonneau.

Evaluation: CR-13 is owned and operated by McKenzie County. It is functionally classified as a local road serving the Little Missouri National Grassland. The principal Forest resources served are oil and grazing. The route also serves other local needs including schools, mail delivery, commercial supply and access to private property within the Grassland.

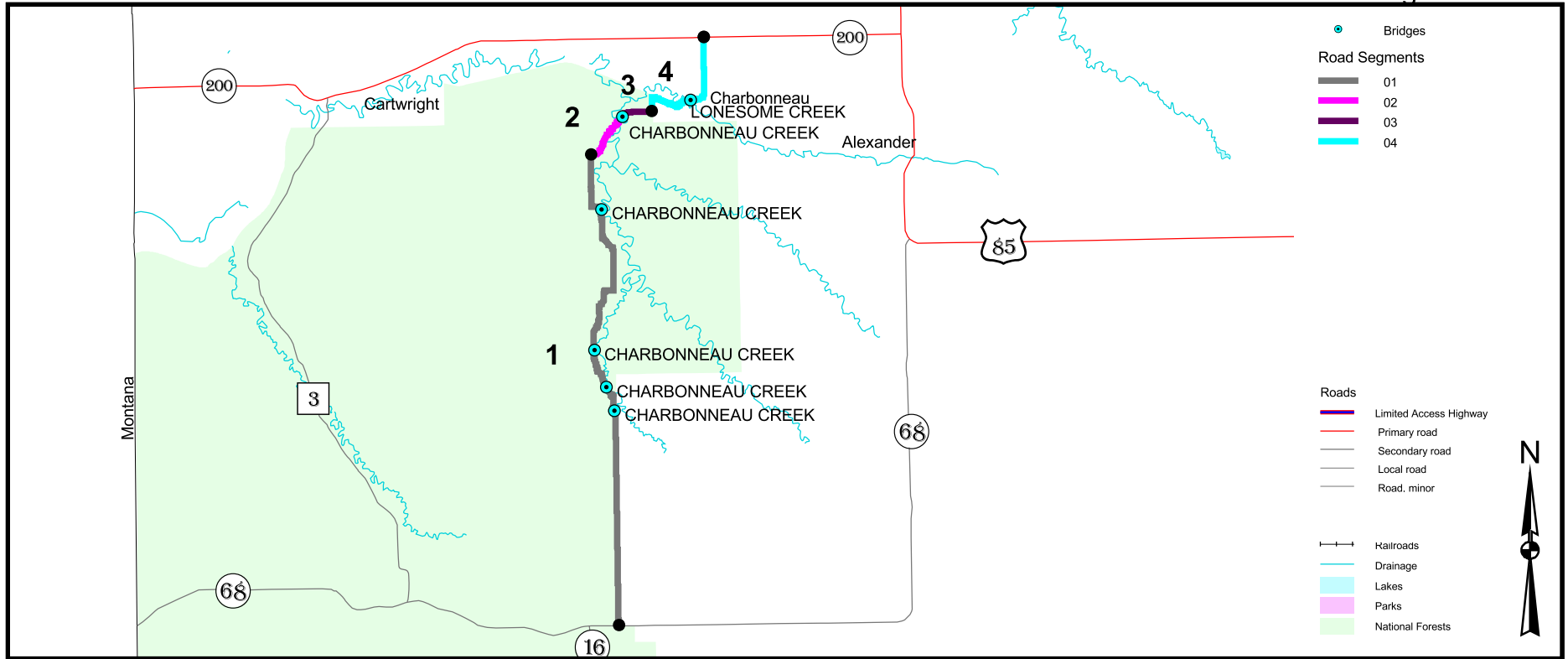


Map above shows the actual condition (paved sections only) which may not correspond to the average condition reported for each segment in the chart below. See Summary page i for more information.

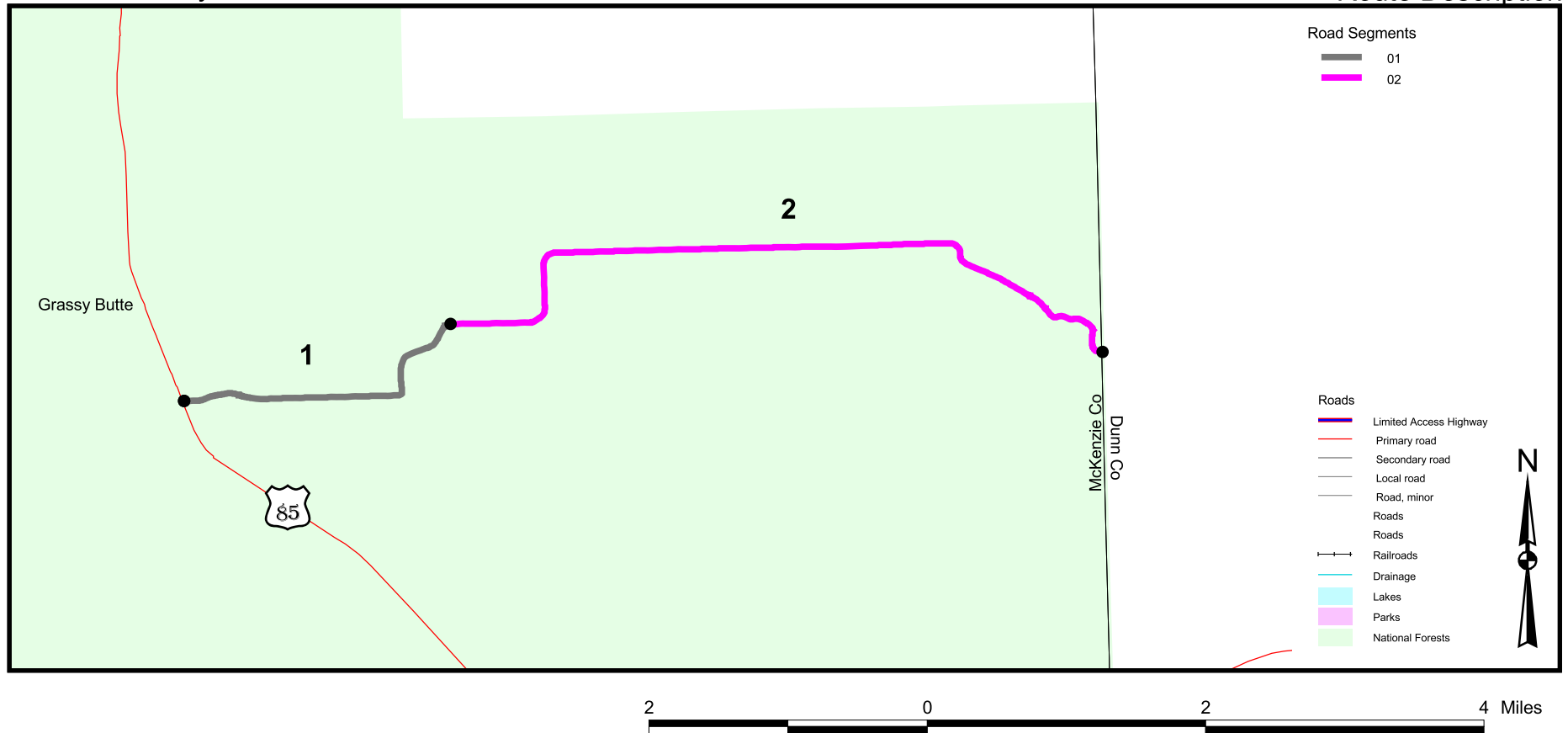


TOTAL ROUTE LENGTH: 17 Miles

FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
9	1	CR 13	0.00	11.92	11.92	40	24	N/A	Granular	N/A	0	N/A	Poor
9	2	CR 13	11.92	13.15	1.23	40	24	N/A	Granular	N/A	0	N/A	Poor
9	3	CR 13	13.15	13.89	0.74	40	24	N/A	Granular	N/A	0	N/A	Poor
9	4	CR 13	13.89	17.00	3.11	40	24	N/A	Granular	N/A	0	N/A	Poor



FH	STATE/LOCAL ROUTE	NBIS NUMBER	MP	FACILITY	OWNER	WIDTH (FEET)	LENGTH (FEET)	STRUCTURALLY DEFICIENT?	FUNCTIONALLY OBSOLETE?	SUFF. RATING
9	CR-2713	000000027112271	5.1	CHARBONNEAU CREEK	McKenzie Co.	20.34	24.93	-	-	83.7
9	CR-2713	000000027112270	5.7	CHARBONNEAU CREEK	McKenzie Co.	18.70	23.94	-	-	83.0
9	CR-2713	000000027112260	6.7	CHARBONNEAU CREEK	McKenzie Co.	18.70	23.94	-	-	93.0
9	CR-2713	000000027112230	10.4	CHARBONNEAU CREEK	McKenzie Co.	23.62	26.90	-	-	100
9	CR-2713	000000027113201	13.1	CHARBONNEAU CREEK	McKenzie Co.	28.54	91.84	-	-	98.0
9	CR-2713	000000027114200	15.3	LONESOME CREEK	McKenzie Co.	27.55	60.02	-	-	100

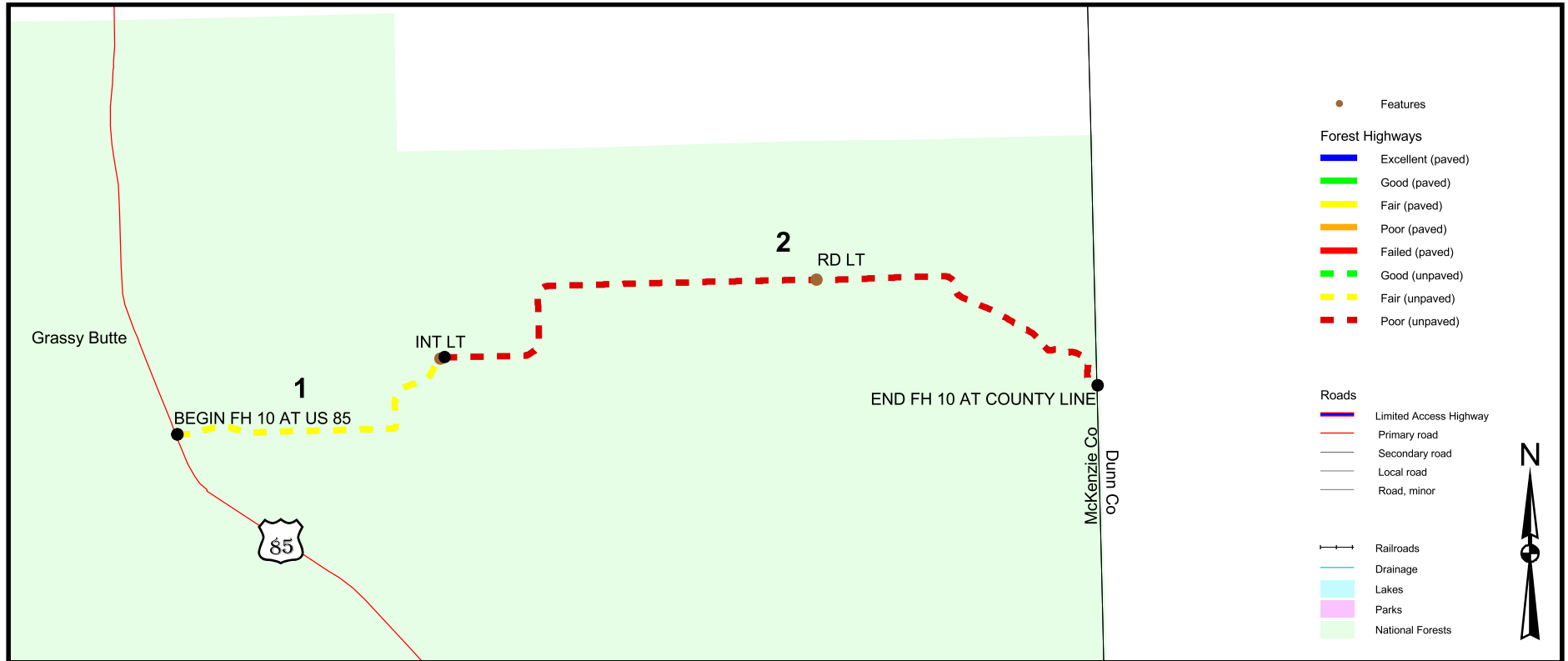


FH-10, Grassy Butte, East. This route starts at the junction with US-85 in Grassy Butte and proceeds easterly 7.79 miles (12.53 km) over FDR-810 to the Dunn County Line (forest boundary).

Evaluation: FDR-810 is owned and operated by McKenzie County. It is functionally classified as a local road serving the Little Missouri National Grassland. The principal Forest resources served are oil and grazing. The route also serves other local needs including schools, mail delivery, commercial supply and access to private property within the Grasslands.

FH 10 Grassy Butte, East

Pavement Condition

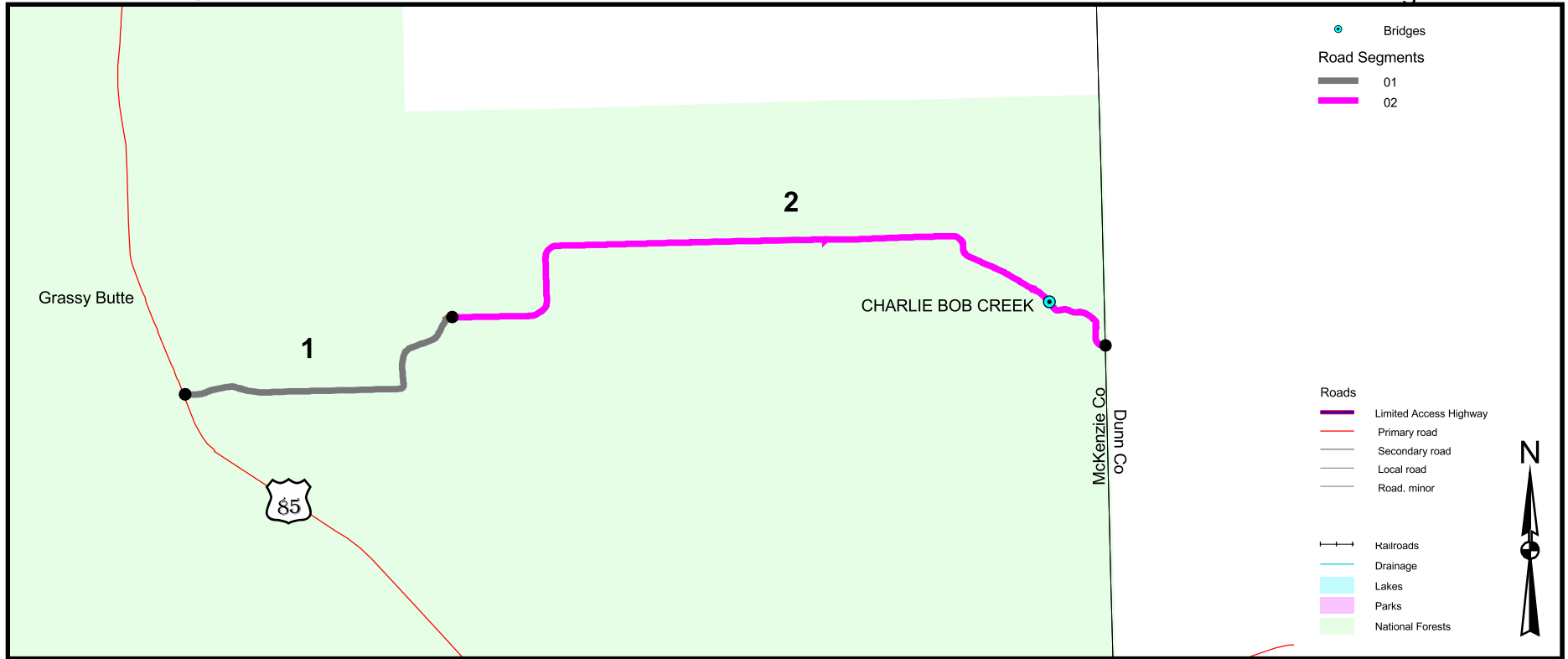


Map above shows the actual condition (paved sections only) which may not correspond to the average condition reported for each segment in the chart below. See Summary page i for more information.

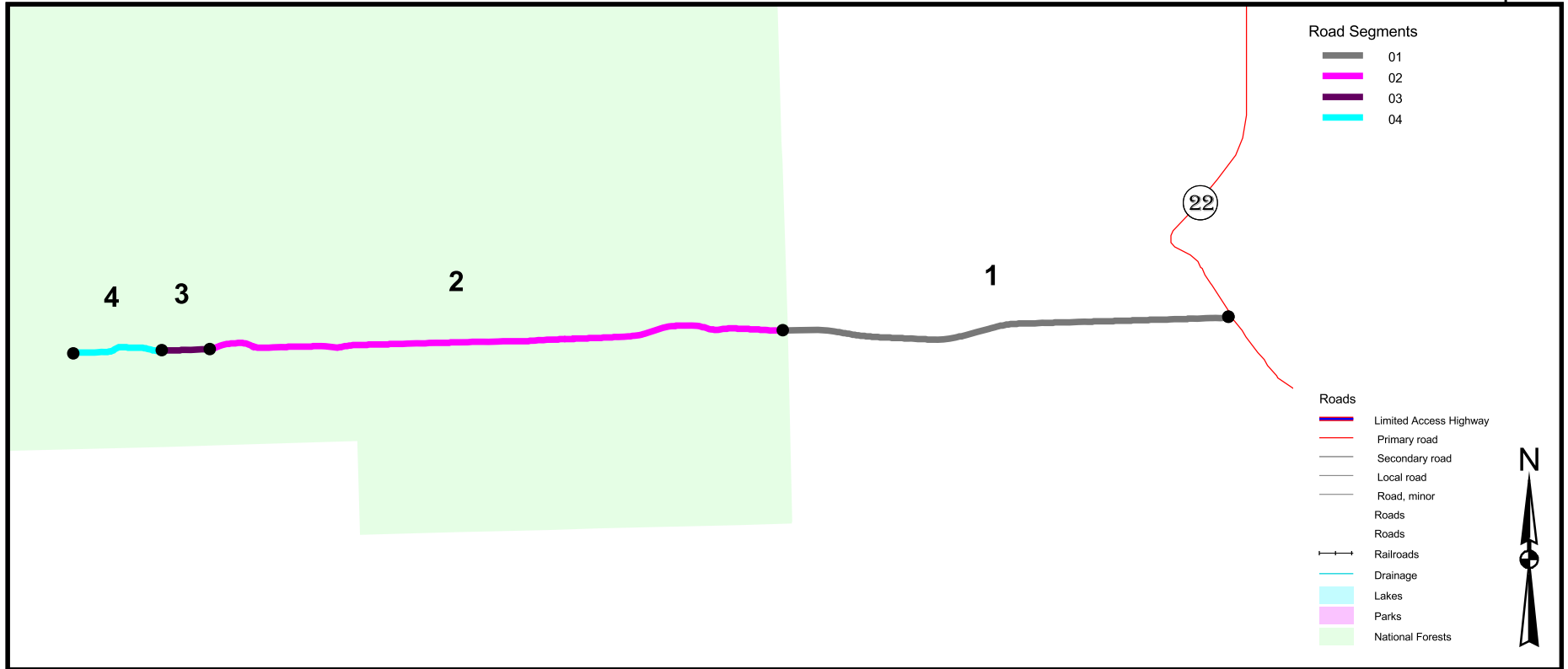


TOTAL ROUTE LENGTH: 7.79 Miles

FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
10	1	FDR 810	0.00	2.28	2.28	N/A	24	N/A	Granular	N/A	0	N/A	Fair
10	2	FDR 810	2.28	7.79	5.51	N/A	24	N/A	Granular	N/A	0	N/A	Poor

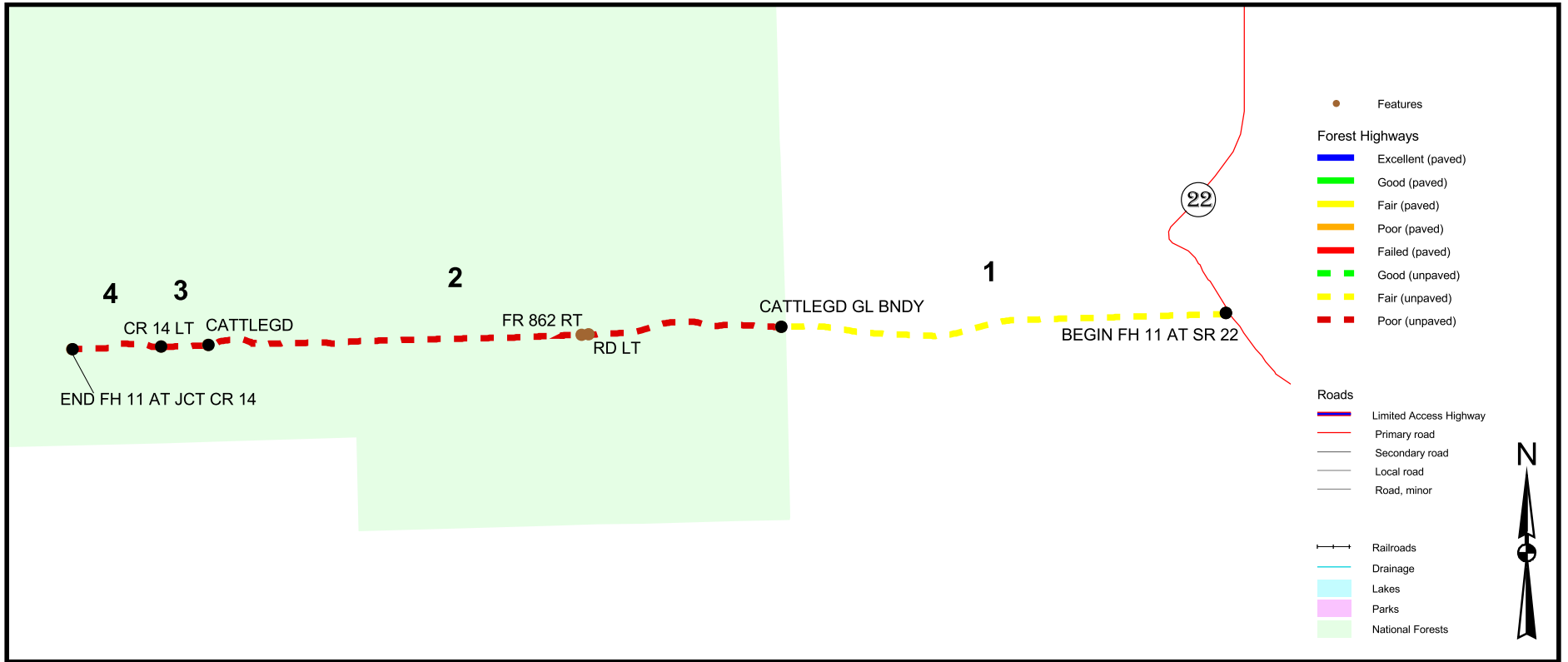


FH	STATE/LOCAL ROUTE	NBIS NUMBER	MP	FACILITY	OWNER	WIDTH (FEET)	LENGTH (FEET)	STRUCTURALLY DEFICIENT?	FUNCTIONALLY OBSOLETE?	SUFF. RATING
10	FDR-810	000000027145520	7.2	CHARLIE BOB CREEK	McKenzie Co.	27.88	42.97	-	-	96.8



FH-11, Blue Buttes. This route starts at the junction with SR-22, 3.5 miles north of Bear Den Creek, and proceeds westerly 6.13 miles (9.86 km) over Indian Reservation Road (IRR) 4 and a County Road to the intersection with CR-14, four miles north of SR-73.

Evaluation: IRR-4 is owned and operated by the Bureau of Indian Affairs. It is functionally classified as a local road serving the Fort Berthold Indian Reservation. The County Road is functionally classified as a local road serving the Little Missouri National Grassland. The principal Forest resources served are oil and gas. The route also provides access to private property within the Grasslands.

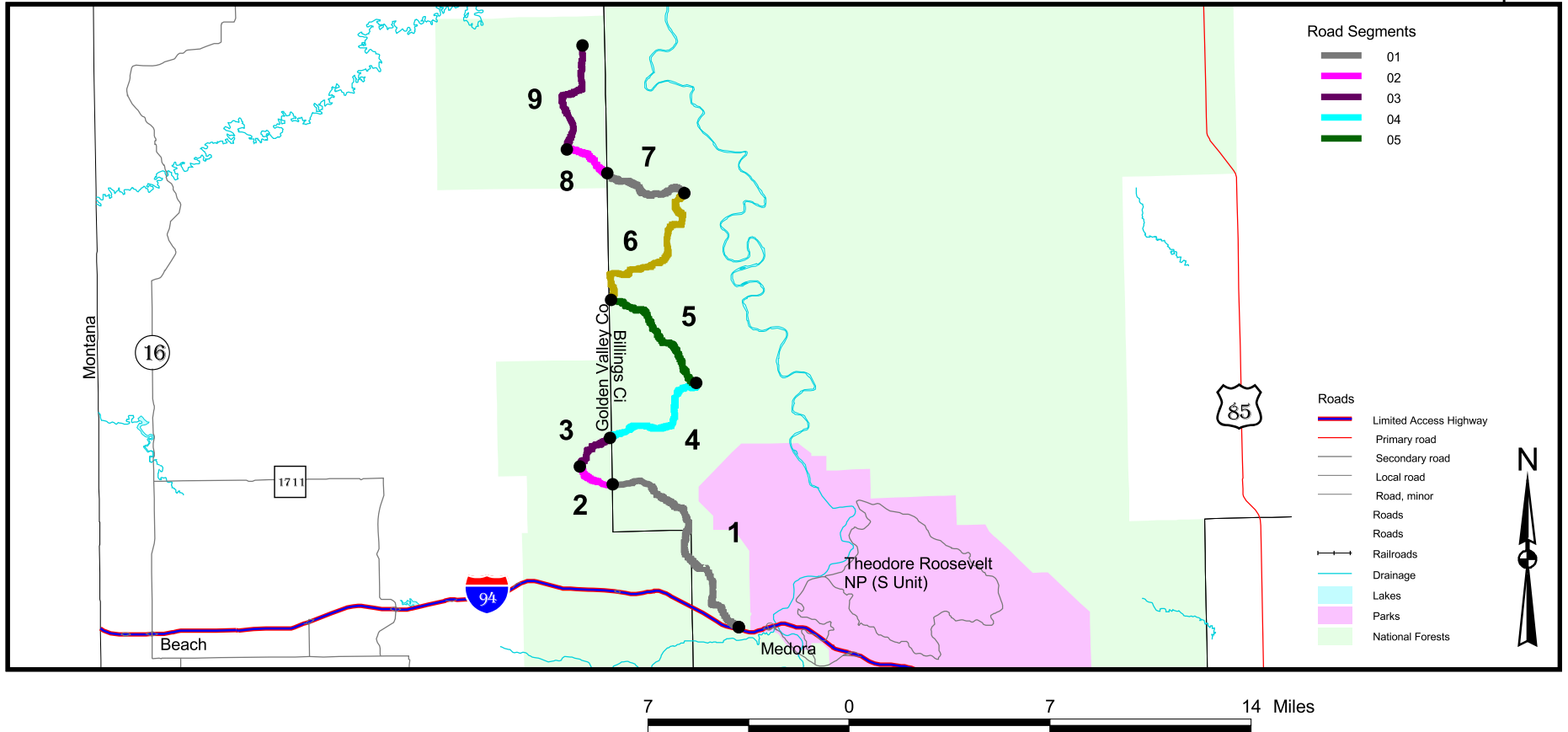


Map above shows the actual condition (paved sections only) which may not correspond to the average condition reported for each segment in the chart below. See Summary page i for more information.



TOTAL ROUTE LENGTH: 6.13 Miles

FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
11	1	IRR 4	0.00	2.36	2.36	N/A	24	N/A	Granular	N/A	0	N/A	Fair
11	2	IRR 4	2.36	5.41	3.05	N/A	24	N/A	Granular	N/A	0	N/A	Poor
11	3	IRR 4	5.41	5.66	0.25	N/A	24	N/A	Granular	N/A	0	N/A	Poor
11	4	IRR 4	5.66	6.13	0.47	N/A	24	N/A	Granular	N/A	0	N/A	Poor

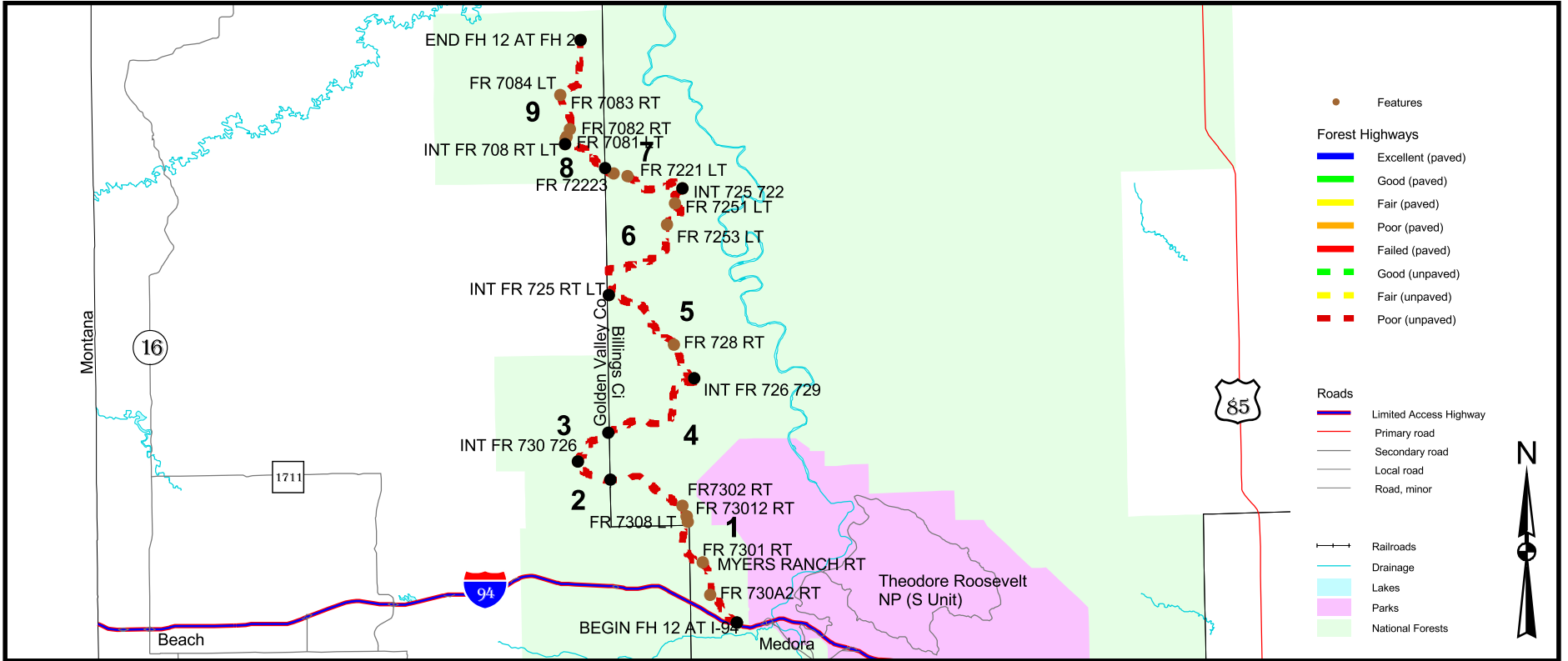


FH-12, West River Road. This route starts at the junction with I-94, 1.5 miles east of the Golden Valley County Line, and proceeds northerly 9.51 miles (15.3 km) on FDR-730, 5.95 miles (9.57 km) on FDR-726, 4.63 miles (7.45 km) on FDR-729, 6 miles (9.65 km) on FDR-725, 4.95 miles (7.96 km) on FDR-722, and 4.25 miles (6.84 km) on FDR-708, to the intersection with FH-02 near the Elkhorn Ranch site.

Evaluation: Each of the FDR routes are owned and operated by Billings or Golden Valley Counties. It is functionally classified as a local road serving the Little Missouri National Grassland. The principal Forest resources served are oil and grazing. The route also serves other local needs including schools, mail delivery, commercial supply and access to private property within the Grassland.

FH 12 West River Road

Pavement Condition



Map above shows the actual condition (paved sections only) which may not correspond to the average condition reported for each segment in the chart below. See Summary page i for more information.

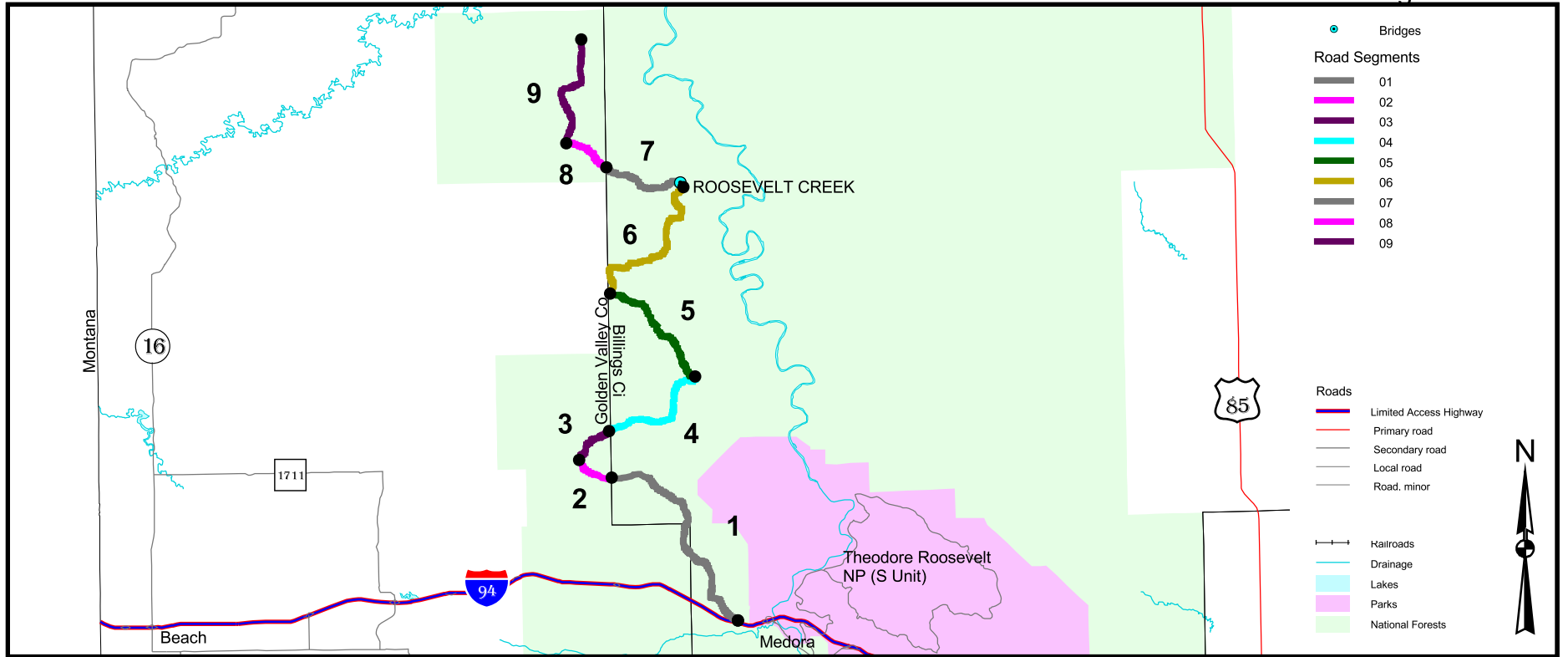


TOTAL ROUTE LENGTH: 35.29 Miles

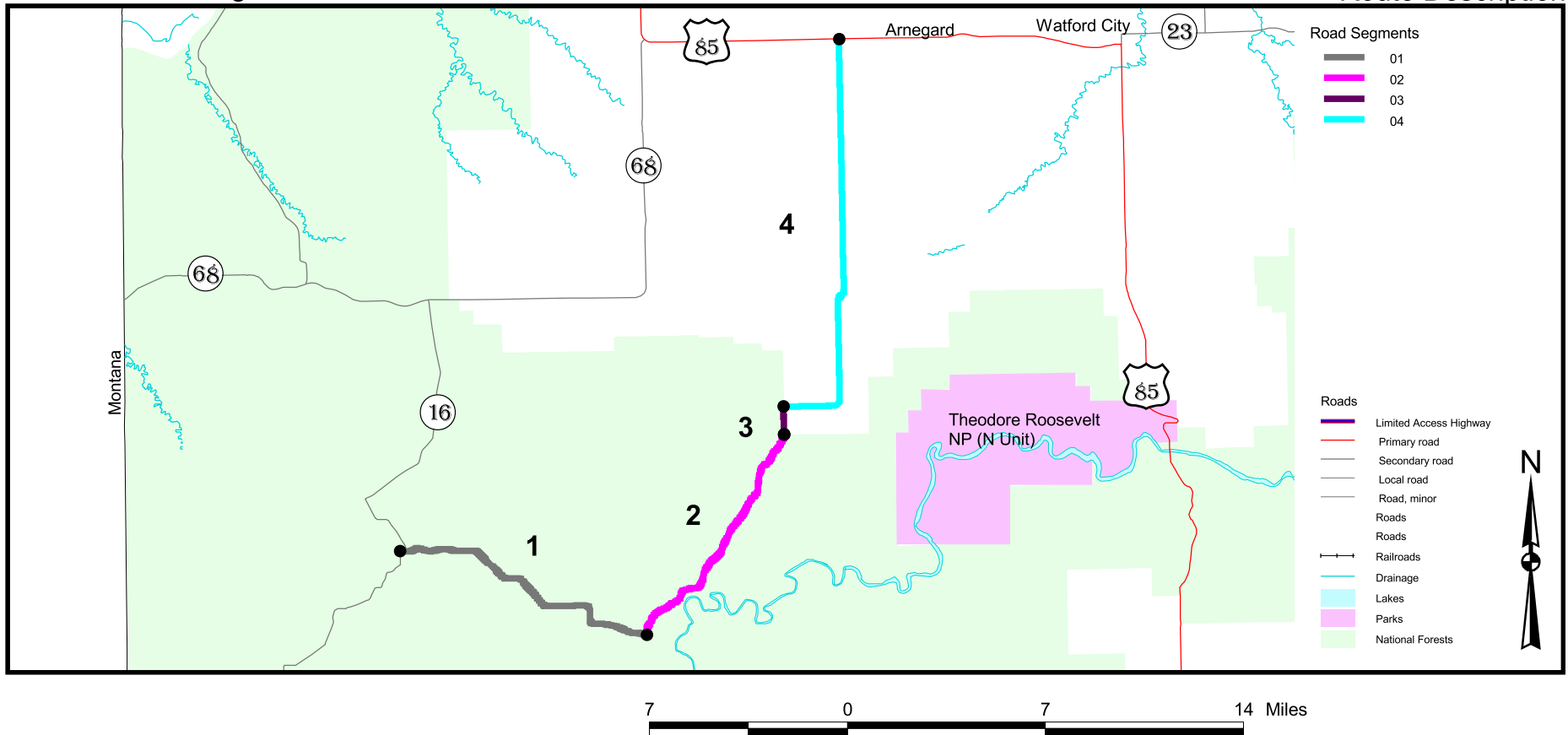
FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
12	1	FDR 730	0.00	8.11	8.11	50	24	N/A	Granular	N/A	0	N/A	Poor
12	2	FDR 730	8.11	9.51	1.40	50	24	N/A	Granular	N/A	0	N/A	Poor
12	3	FDR 726	9.51	11.17	1.66	50	24	N/A	Granular	N/A	0	N/A	Poor
12	4	FDR 726	11.17	15.46	4.29	50	24	N/A	Granular	N/A	0	N/A	Poor
12	5	FDR 729	15.46	20.09	4.63	50	24	N/A	Granular	N/A	0	N/A	Poor
12	6	FDR 725	20.09	26.09	6.00	50	24	N/A	Granular	N/A	0	N/A	Poor
12	7	FDR 722	26.09	29.25	3.16	50	24	N/A	Granular	N/A	0	N/A	Poor
12	8	FDR 722	29.25	31.04	1.79	50	24	N/A	Granular	N/A	0	N/A	Poor
12	9	FDR 708	31.04	35.29	4.25	50	24	N/A	Granular	N/A	0	N/A	Poor

FH 12 West River Road

Bridge Condition



FH	STATE/LOCAL ROUTE	NBIS NUMBER	MP	FACILITY	OWNER	WIDTH (FEET)	LENGTH (FEET)	STRUCTURALLY DEFICIENT?	FUNCTIONALLY OBSOLETE?	SUFF. RATING
12	FDR-725	000000004103130	23.0	ROOSEVELT CREEK	Billings Co.	13.45	47.89	-	X	80.0

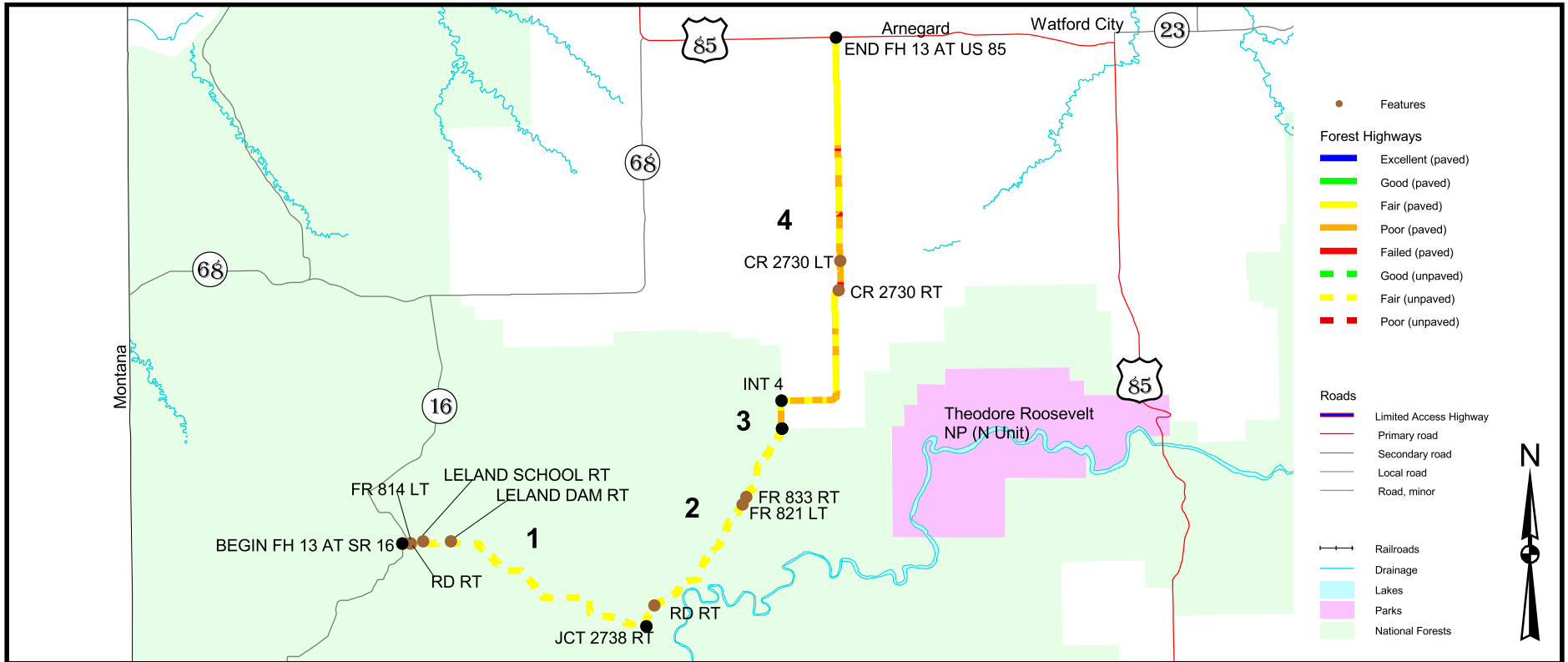


FH-13, Red Wing Road. This route starts at the junction with SR-16 (FH-01), west of the Leland School and proceeds easterly on CR-38 19.29 miles (31.04 km) to the intersection with CR-27 and then northerly on CR-27 15.94 miles (25.65 km) to the intersection with US-85 west of Arnegard.

Evaluation: CR-38 and CR-27 are owned and operated by McKenzie County. The route is functionally classified as a major collector serving the Little Missouri National Grassland. The principal Forest resources served are oil and grazing. The route also serves other local needs including schools, mail delivery, commercial supply and access to private property within the Grassland.

FH 13 Red Wing Road

Pavement Condition

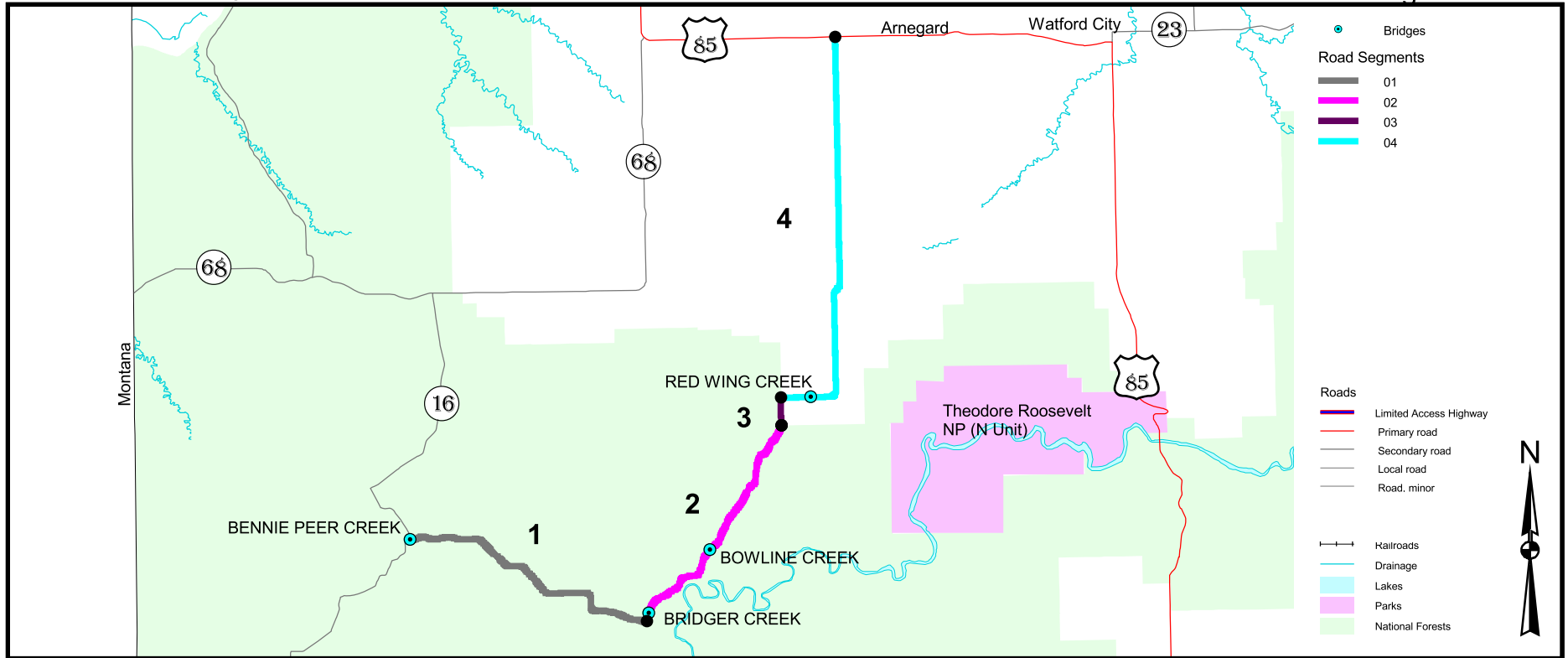


TOTAL ROUTE LENGTH: 35.23 Miles

FH	SEG NUM	STATE/LOCAL ROUTE	START MP	END MP	SEG LENGTH	ADT	WIDTHS		SURFACE TYPE	IRI	REMAINING SURFACE LIFE (YEARS)	CONDITION RATING	CONDITION
							ROADWAY	PAVED					
13	1	CR 38	0.00	10.17	10.17	140	24	N/A	Granular	N/A	0	N/A	Fair
13	2	CR 38	10.17	19.29	9.12	120	24	N/A	Granular	N/A	0	N/A	Fair
13	3	CR 27	19.29	20.29	1.00	150	24	20	Flexible	192	4	46	Poor
13	4	CR 27	20.29	35.23	14.94	140	24	20	Flexible	154	8	53	Fair

FH 13 Red Wing Road

Bridge Condition



FH	STATE/LOCAL ROUTE	NBIS NUMBER	MP	FACILITY	OWNER	WIDTH (FEET)	LENGTH (FEET)	STRUCTURALLY DEFICIENT?	FUNCTIONALLY OBSOLETE?	SUFF. RATING
13	CR-2738	000000027111410	0.2	BENNIE PEER CREEK	McKenzie Co.	27.88	78.06	-	-	97.1
13	CR-2738	000000027119441	10.5	BRIDGER CREEK	McKenzie Co.	0.00	20.99	-	-	99.8
13	CR-2738	000000027122420	14.0	BOWLINE CREEK	McKenzie Co.	27.88	49.86	-	-	96.5
13	CR-2727	000000027126360	21.3	RED WING CREEK	McKenzie Co.	29.85	48.87	-	-	99.6