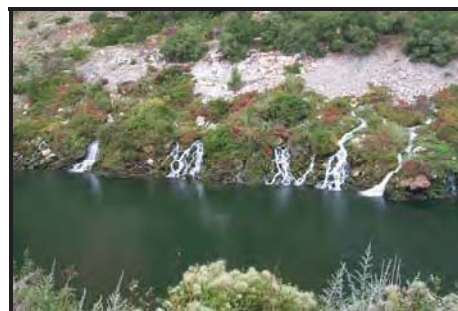




The Road Inventory of Bighorn Canyon National Recreation Area BICA - 1320



national park service



Road Inventory Program

Prepared By:
Federal Highway Administration
Eastern Federal Lands Highway Division
Cycle 3



Bighorn Canyon National Recreation Area in Montana





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INTRODUCTION

Background: In July 1976, the National Park Service (NPS) and the Federal Highway Administration (FHWA) entered into a Memorandum of Agreement (MOA), establishing the Road Inventory Program (RIP). In 1980, the NPS and the FHWA terminated the 1976 MOA and entered into a new MOA that provided for the completion of the initial phase of the RIP. The purpose of the RIP, per the 1980 MOA, was to maintain and update RIP data in order to develop long-range and short-range costs and programs to bring National Park Service (NPS) roads up to, or to maintain, designated standards, and to establish a maintenance management program.

The FHWA's Federal Lands Highway (FLH) was assigned the task of identifying condition deficiencies and corrective priorities along with associated corrective costs, inventorying maintenance features (e.g., culverts, signs, guardrail, etc.), summarizing the data and findings in a report, and providing a photographic record of the road system.

The FLH completed the initial phase of the RIP in the early 1980's. As a result of this effort, each park received a RIP book, also known as the "Brown Book," that included the information collected during this initial RIP phase.

In an effort to maintain and update the RIP data, a cyclical data collection and reporting process was re-established in the 1990's. The FLH completed two cycles of RIP data collection between 1994 and 2001. Cycle 1 data was collected in 44 large parks from 1994 to 1995. This data was found to be unusable for comparison to future cycles. Cycle 2 data was collected from March 1997 to January 2001 in 79 large parks and 5 small parks containing 4,874 route miles. Each park received a copy of a Cycle 2 RIP Report, also known as the "Blue Book."

Since 1984, the RIP Program has been funded through the Federal Lands Highway Program's Park Roads and Parkways (PRP) Program. Currently, the NPS Washington Headquarters' Park Facility Management Division is responsible for coordinating the RIP program with the FLH. The FLH Washington office coordinates policy and prepares national reports and needs assessment studies for Congress.

In 1998, the Transportation Equity Act for the 21st Century (TEA-21) amended Title 23 U.S.C., and inserted Section 204(a)(6) which requires the Federal Highway Administration and the National Park Service, to develop, by rule, a Pavement Management System (PMS) for the park roads and parkways serving the National Park System. As a result of the requirements in TEA-21, the NPS and the FHWA are in the process of developing a PMS. The PMS will assist the decision-makers in effectively spending limited PRP Program funds. The PMS will provide information for planning and programming road maintenance, rehabilitation, and reconstruction activities. RIP data will provide the basic information for this system.

Key information included in the RIP is the mileage inventory and condition assessments accomplished by the RIP Program. The mileage and condition data are used in the current allocation formula of PRP Program funds.

RIP Cycle 3: A third RIP cycle was initiated in 2001. Data was collected from March 2001 to July 2004, and is included in the Cycle 3 Reports. Cycle 3 includes 254 large and small parks with a combined total of 5,455 route miles.

In the Cycle 3 Reports, a general condition rating of excellent, good, fair and poor is ascribed to each one-mile section of paved roadway, and to each paved parking area. This condition rating system provides a realistic means of assessing the general funding needs for road improvements. Along with these descriptive condition ratings, a numerical rating between 0 and 100 is ascribed to each mile of road and to each parking area.. This numerical rating is called a Pavement Condition Rating (PCR). The PCR rating system is described in Section 10 of this report.

All of the fieldwork required for obtaining inventory, condition, and maintenance feature information is coordinated with each park and the regional offices to ensure that the information in the RIP reports is accurate.

The FLH is responsible for all of the data presented in this report. Anyone having questions or comments regarding the contents of this report is encouraged to contact the FHWA RIP Coordinator. It is our aim to provide exceptional customer satisfaction in our delivery of the RIP program.

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Bighorn Canyon National Recreation Area Summaries

Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
Paved ARAN Driven Route Miles	37.39	10/8/2001
Unpaved Estimated Route Miles	17.63	10/8/2001
Paved ARAN and Unpaved Route Miles	55.02	
Paved ARAN Driven Lane Miles	74.70	10/8/2001
Paved MRR Lane Miles	4.13	10/8/2001
Parking Lot Lane Miles	15.09	10/8/2001
Total Paved Lane Miles	93.91	

Notes: Total Paved Lane Miles includes the sum of Paved ARAN Driven Lane Miles, Paved MRR Lane Miles, and Parking Lot Lane Miles

Unpaved Route Miles are estimates, they have not been inventoried by the Roadway Inventory Program (RIP)

Bighorn Canyon National Recreation Area Summaries

Cost to Improve to "Excellent" Condition

SOURCE	WORK PERFORMED	COST PER MILE	INITIAL CONDITION
FHWA Awarded Projects	Surface Maintenance	\$30,000	Excellent
FHWA Awarded Projects	3-R (Resurfacing)	\$110,000	Good
FHWA Awarded Projects	3-R (Resurfacing, Restoration, and Rehabilitation) Projects	\$560,000	Fair
FHWA Awarded Projects	4-R (Resurfacing, Restoration, Rehabilitation, and Reconstruction) Projects	\$1,540,000	Poor

Based on the above table, the cost to improve ARAN driven paved road condition miles to "Excellent" PCR are:

Existing Condition	Existing Miles	Estimated Cost to Improve
Excellent	0.55	\$16,500
Good	4.87	\$535,700
Fair	23.50	\$13,160,000
Poor	8.47	\$13,043,800
Totals	37.39	\$26,756,000

The above numbers include the 35% PE, CE and contingency costs and are national averages. The cost estimates were used in the calculations for the 2004 Reauthorization Bill to determine the level of funding required to bring all the NPS roads into a Pavement Condition Rating (PCR) of Good (85).

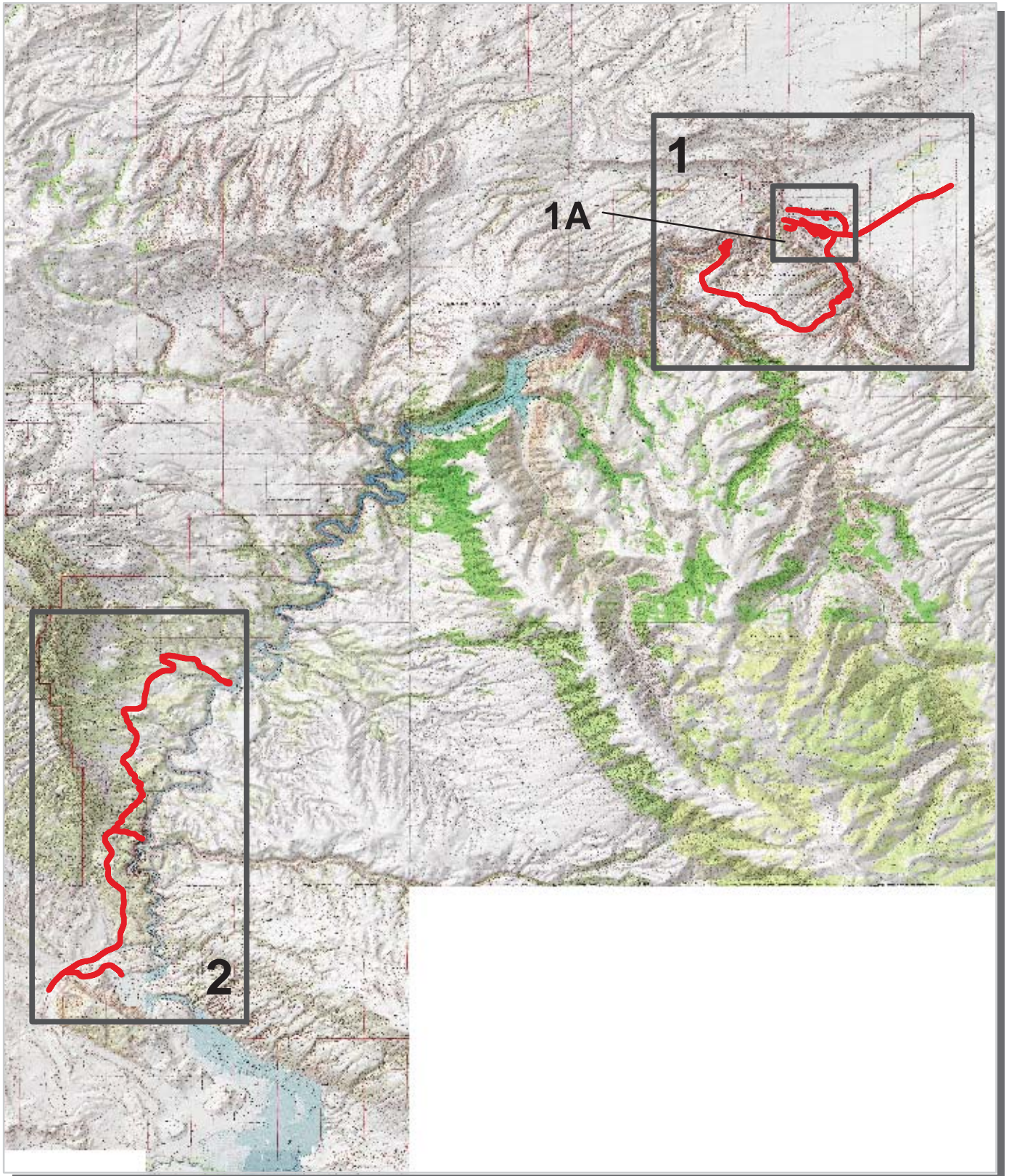
These numbers are for preliminary planning purposes only and should not be used for project level proposals. For park planning level analysis, apply your park multiplier for more accurate regional costs.


Bighorn Canyon National Recreation Area Summaries

Paved Route Miles and Percentages by Functional Class and PCR for ARAN Driven Paved Roads

F.C.	Pavement Condition Rating								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	5.23	13.99%	21.14	56.54%	4.58	12.25%	0.49	1.31%	31.44
2									
3	2.52	6.74%	1.59	4.25%	0.24	0.64%	0.06	0.16%	4.41
4									
5	0.72	1.93%	0.77	2.06%	0.05	0.13%			1.54
6									
7									
8									
Totals	8.47	22.65%	23.50	62.85%	4.87	13.02%	0.55	1.47%	37.39

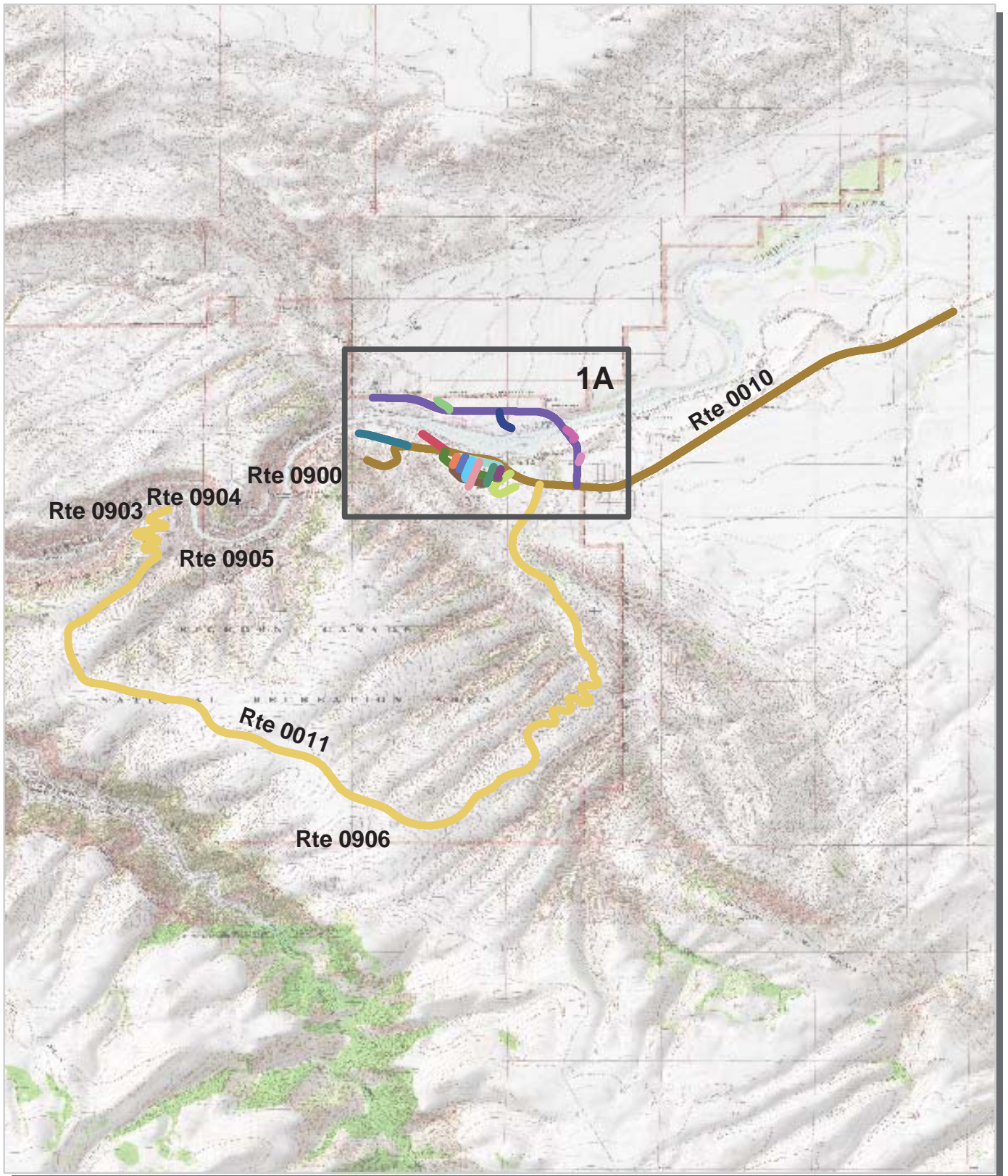
Bighorn Canyon National Recreation Area Route Location Key Map



 Park Owned Routes



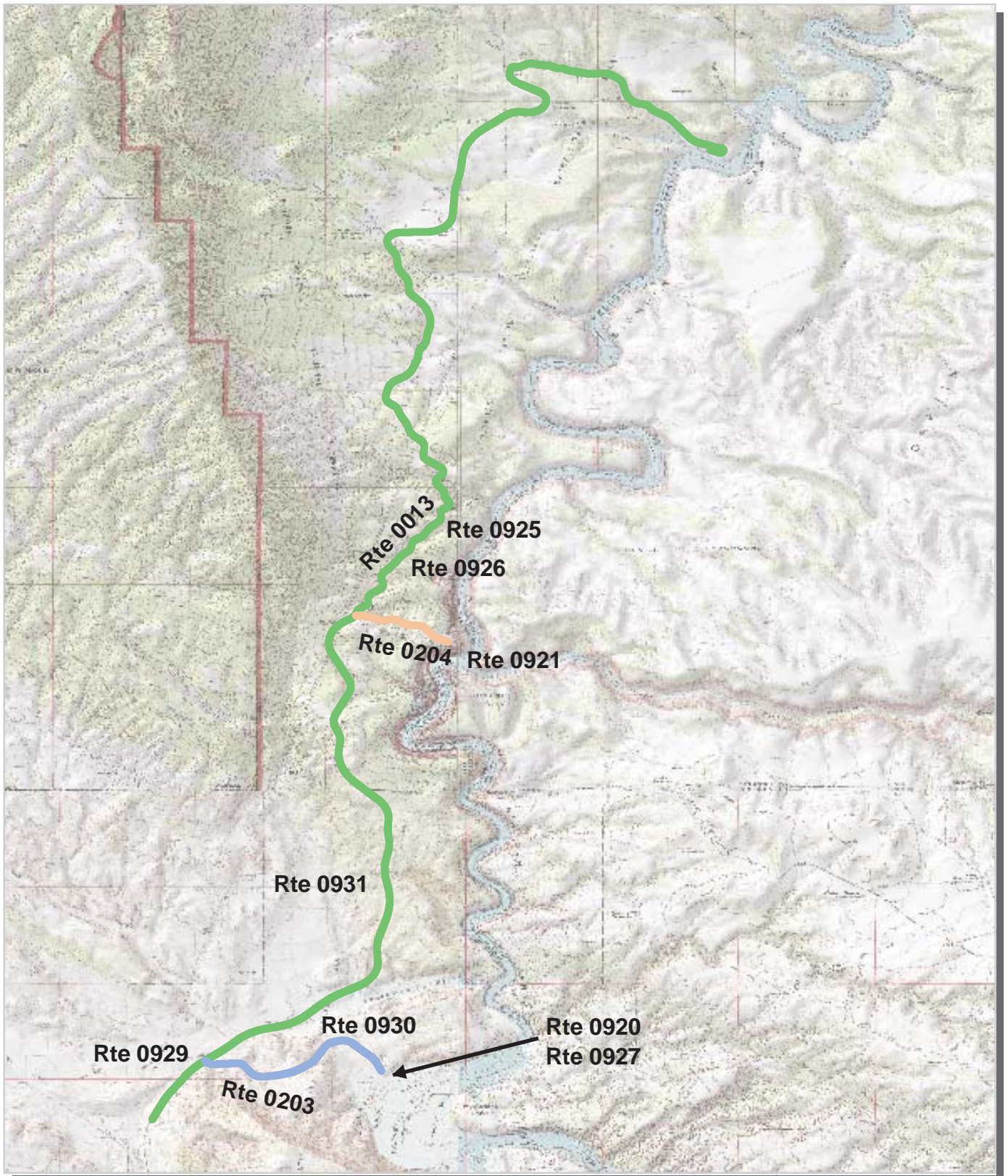
Bighorn Canyon National Recreation Area Route Location Area Map 1



Unique colors used to differentiate routes



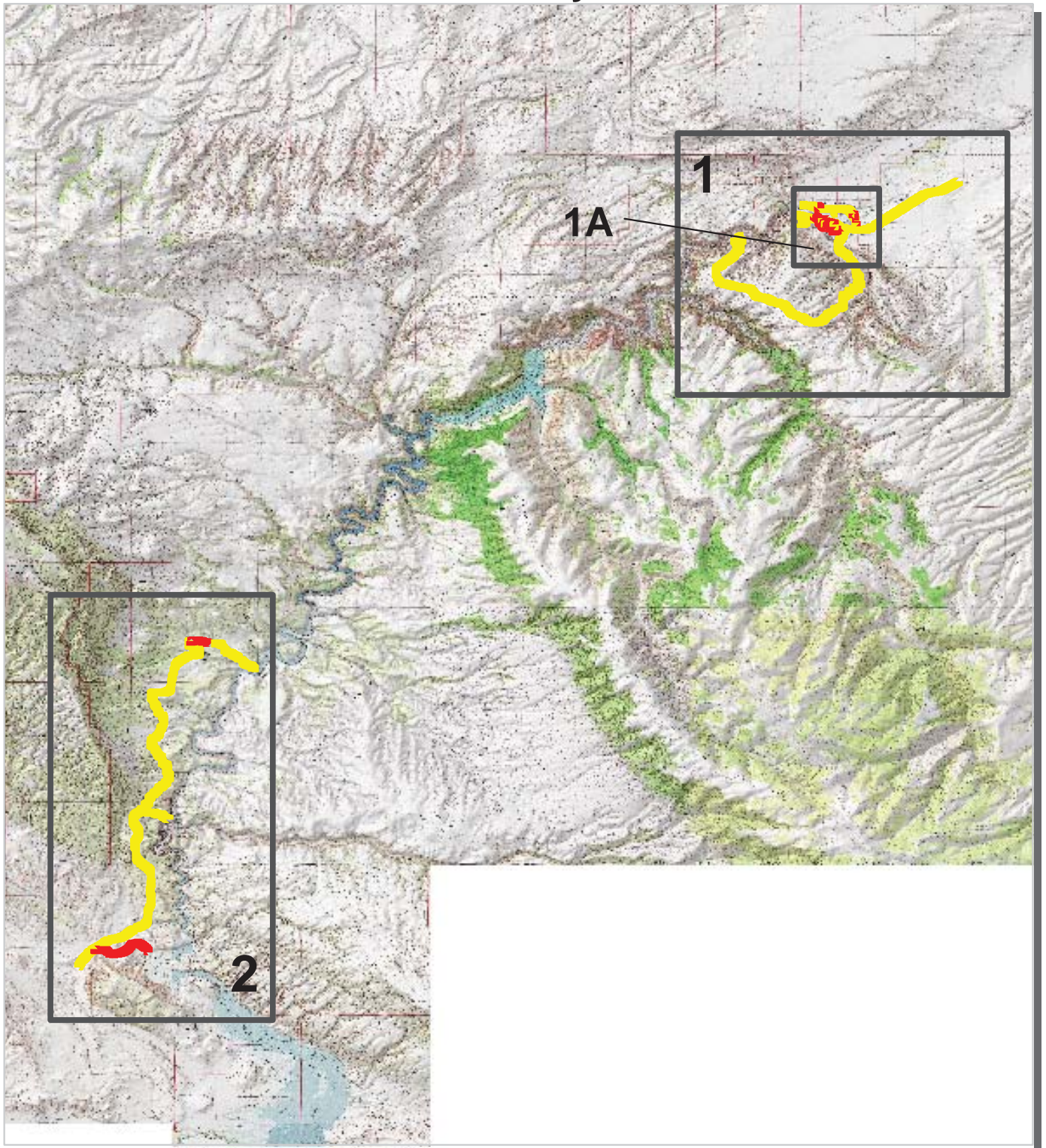
Bighorn Canyon National Recreation Area Route Location Area Map 2



Unique colors used to differentiate routes



Bighorn Canyon National Recreation Area Route Condition Key Map PCR - Mile by Mile

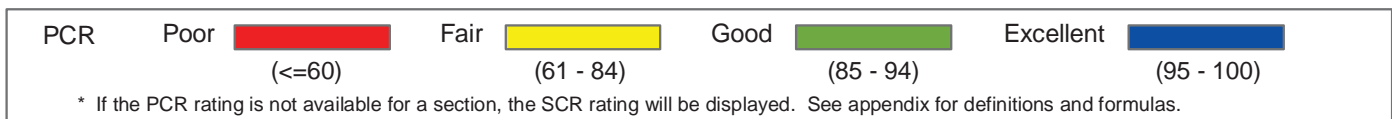
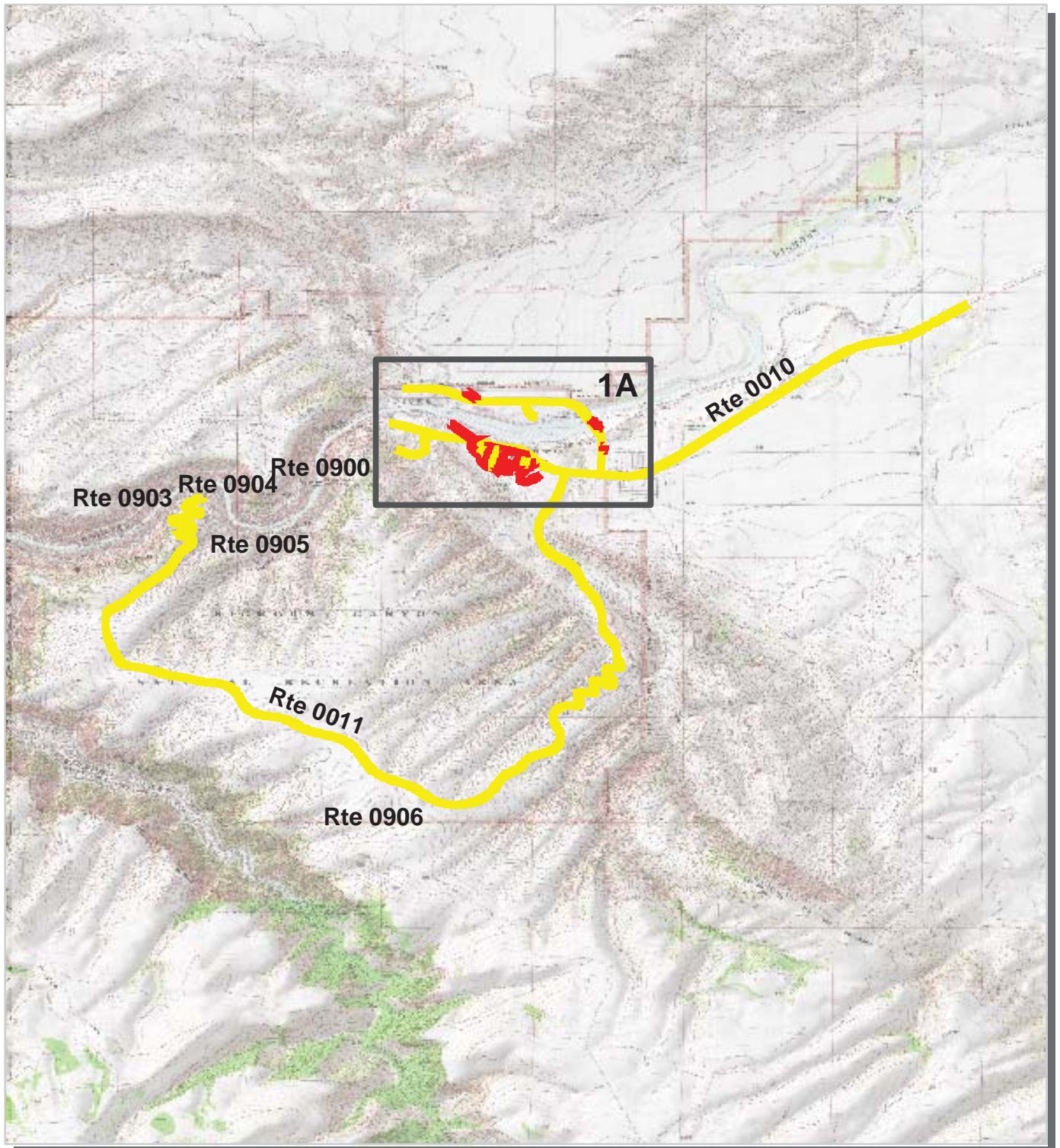


PCR	Poor	Fair	Good	Excellent
				
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

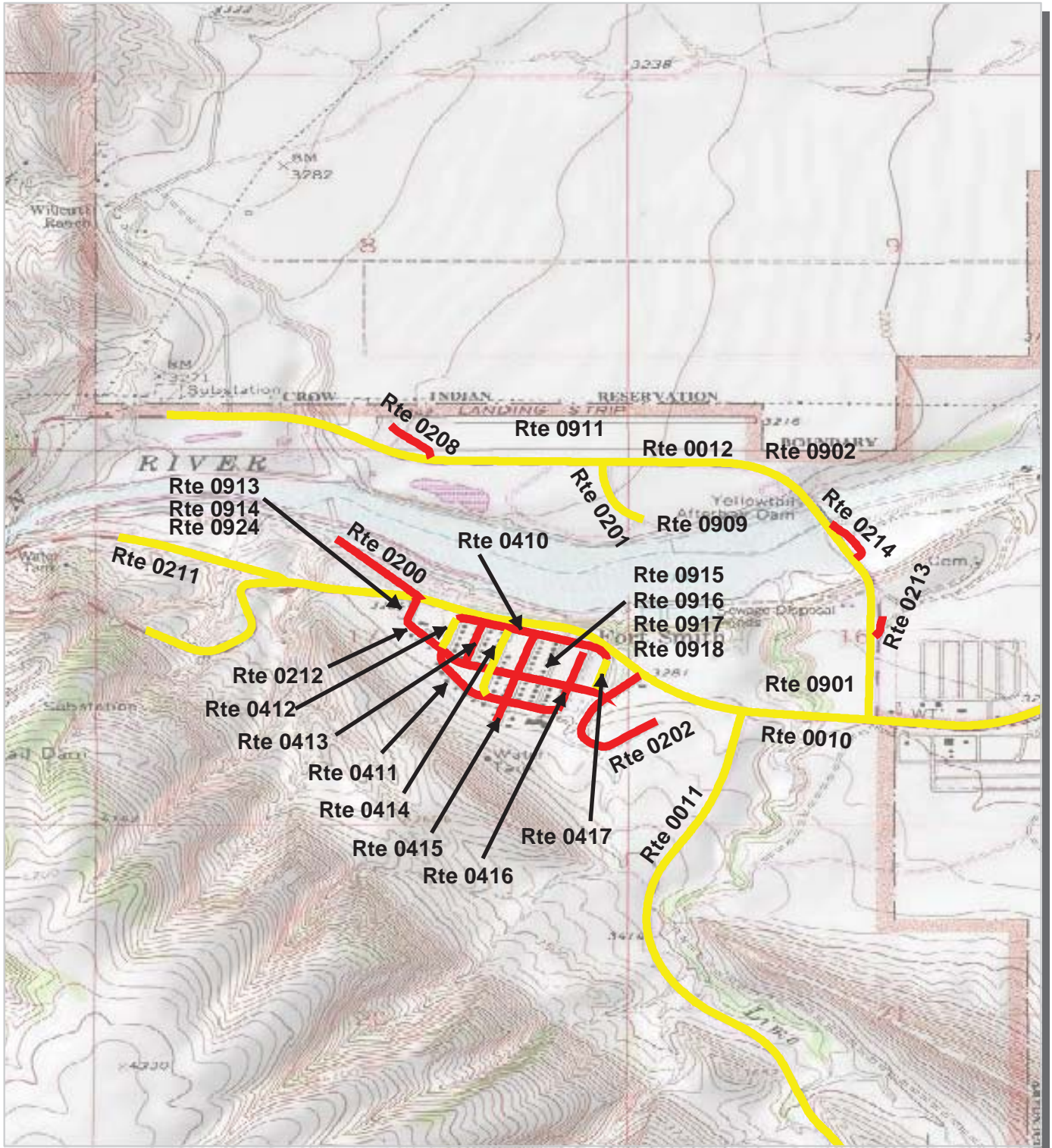
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.



Bighorn Canyon National Recreation Area Route Condition Area Map 1 PCR - Mile by Mile



Bighorn Canyon National Recreation Area Route Condition Area Map 1A PCR - Mile by Mile

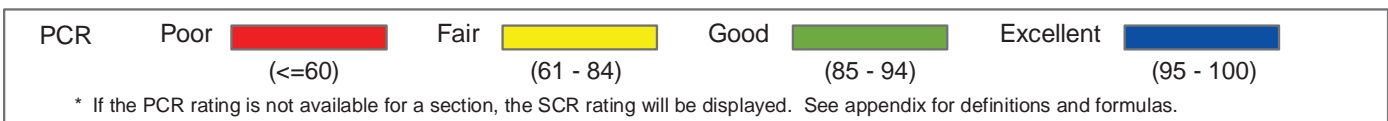
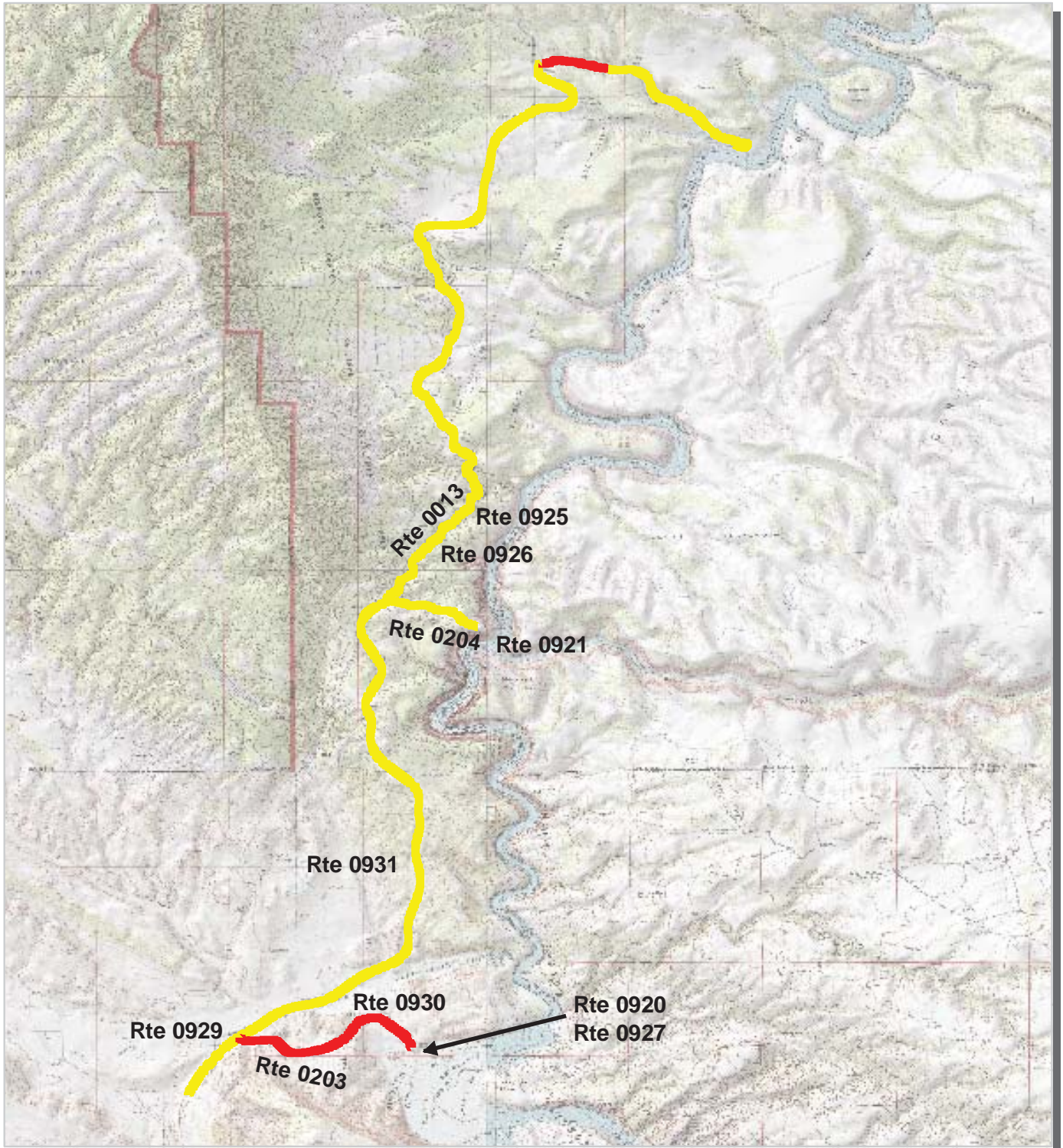


PCR	Poor	Fair	Good	Excellent
	■	■	■	■
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.



Bighorn Canyon National Recreation Area Route Condition Area Map 2 PCR - Mile by Mile



NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Red =	Green = All Unpaved Parking Areas
Black = Paved State, Local or Private non-NPS Routes, ARAN Driven	Purple =	

BICA

Bighorn Canyon National Recreation Area

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0010	71756	FORT SMITH ACCESS ROAD	From State Highway 313 at cattleguard (3 miles NE of Entrance Sign)	To Gate at begining of Dam	4.66	0.00	4.66	1	2	0	AS
0011	77037	OK-A-BEH ROAD	From Route 0010 at MP 3.25	To Route 0904	9.33	0.00	9.33	1	2	0	OC
0012	75346	AFTER BAY ROAD	From Route 0010 at MP 3	To End	1.90	0.00	1.90	1	2	0	OC
0013	71794	BAD PASS ROAD	From Park Boundary	To Boat Ramp	15.55	0.00	15.55	1	2	0	OC
0200	75577	AFTER BAY CAMPGROUND ROAD	From Route 0010 at MP 3.95	To End	0.23	0.00	0.23	3	2	0	OC
0201	75567	AFTER BAY BOAT RAMP ROAD	From Route 0012 at MP 1.04	To Route 0909	0.19	0.00	0.19	3	2	0	OC
0202	75764	M-K HILL PICNIC ROAD	From Route 0010 at MP 3.46	To End	0.40	0.00	0.40	3	2	0	OC
0203	72381	HORSE SHOE BEND ROAD	From Route 0013 at MP 0.75	To Boat Ramp	1.69	0.00	1.69	3	2	0	OC
0204	72534	DEVIL'S CANYON OVERLOOK ROAD	From Route 0013 at MP 6.3	To Route 0921	0.80	0.00	0.80	3	2	0	OC
0205	73251	EWING-SNELL RANCH ROAD	From Route 0013 at MP 10.86	To Ranger Station	0.02	0.20	0.22	3	2	1,564	OC
0207		HORSE SHOE BEND CAMPGROUND	From Route 0203 at MP 1.35	Through Campground	1.37	0.00	1.37	3	2	123,330	OC
0208	75575	AIRSTRIP ACCESS RD	From Route 0012 at MP 1.37	To Route 0911	0.13	0.00	0.13	3	2	0	OC
0209		M. L. RANCH ROAD SOUTH UNIT	From US 14A	To Ranch	0.03	0.00	0.03	3	2	3,469	AS
0210	77027	WAPPA UPPER SWITCHYARD	From Route 0010 at MP 5.30	To End	0.84	0.00	0.84	3	2	93,361	AS
0211	77026	YELLOWTAIL POWER PLANT	From Route 0010 at MP 4.20	To Route 0923	0.35	0.00	0.35	3	2	0	OC
0212		AVENUE B	From Route 0010 at MP 3.95	To Route 0202	0.40	0.00	0.40	3	2	0	AS
0213	75529	DITCHRIDER ROAD	From Route 0012 at MP 0.22	To End	0.08	0.00	0.08	3	1	0	OC
0214	75534	BIGHORN CANAL ROAD	From Route 0012 at MP 0.43	To Route 0012	0.14	0.00	0.14	3	2	0	OC
0215	75544	AFTER BAY RIVER LAUCH ROAD	From Route 0012 at MP 0.7	To Route 0908	0.00	0.05	0.05	3	2	0	GR
0216	75576	GRAPEVINE CAMPGROUND ROAD	From Route 0012 at MP 1.6	To End	0.00	0.04	0.04	3	2	0	GR
0217	75202	THREE MILE ACCESS ROAD	From War Man County Loop	To End	0.00	0.48	0.48	3	2	0	GR
0218		LOCKHART RANCH ACCESS ROAD	From Route 0013 at MP 13.45	To End	0.05	0.00	0.05	3	2	12,593	OC
0400	75579	PUMPHOUSE ROAD	From Route 0200	To End	0.00	0.42	0.42	5	2	0	GR
0401	76965	FIREBREAK ROAD	From Route 0010	To End at MP 0.13 on Route 0202	0.00	0.90	0.90	5	1	0	GR
0402	77038	FIRING RANGE ROAD	From Route 0011	To End	0.00	0.20	0.20	5	1	0	GR
0410		AVENUE A	From Begin Route 0417	To end Route 0412	0.31	0.00	0.31	5	2	0	AS
0411		AVENUE C	From Route 0212 at MP 0.16, right	To begin Route 0416	0.30	0.00	0.30	5	2	0	AS
0412		FIRST STREET	From Route 0212 at MP 0.16, left	To end of Route 0410	0.09	0.00	0.09	5	2	0	AS
0413		SECOND STREET	From Route 0010 at MP 3.81	To Route 0212	0.13	0.00	0.13	5	2	0	AS

NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas
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BICA

Bighorn Canyon National Recreation Area

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0414		THIRD STREET	From Route 0410 at MP 0.2	To Route 0411	0.19	0.00	0.19	5	2	0	AS
0415		FOURTH STREET	From Route 0410 at MP 0.15	To End	0.25	0.00	0.25	5	2	0	AS
0416		SIXTH STREET	From End of Route 0411	To Route 0410	0.18	0.00	0.18	5	2	0	AS
0417		SEVENTH STREET	From Begin of Route 0410	To Route 0212	0.09	0.00	0.09	5	2	0	AS
0419		AVENUE A ACCESS ROAD	From Route 0010	To Route 0410	0.05	0.00	0.05	5	2	5,403	OC
0700	71837	MLR-MASON LOVELL ACCESS ROAD	From	To	0.00	0.50	0.50	ZZ	1	0	GR
0701	72402	HBR-HORSESHOE BEND GRAVEL ROADS	From	To	0.00	0.40	0.40	ZZ	1	0	GR
0702	72407	HBR-RED CLIFF ACCESS ROAD	From	To	0.00	0.40	0.40	ZZ	1	0	GR
0703	72540	CCR-COMMON CORRALS GRAVEL ACCESS ROAD	From	To	0.00	0.30	0.30	ZZ	1	0	GR
0704	72548	HIR-HILLSBORO ACCESS GRAVEL ROAD	From	To	0.00	0.40	0.40	ZZ	1	0	GR
0705	72643	BLR-MEDICINE CREEK ACCESS ROAD	From	To	0.00	3.10	3.10	ZZ	1	0	GR
0706	73017	CLR-LOCKHART LANE BAD PASS ROAD	From	To	0.00	4.80	4.80	ZZ	1	0	GR
0708	75578	ABR-AFTERBAY LAGOON GRAVEL ROAD	From	To	0.00	0.60	0.60	ZZ	1	0	GR
0709	76964	FSR MK HILL WATER TANK ROAD	From	To	0.00	0.10	0.10	ZZ	1	0	GR
0711	77029	YDR WEST DAM EMERGENCY ACCESS RD	From	To	0.00	2.14	2.14	ZZ	1	0	GR
0712	77031	YDR EAST TEST WELL ROAD	From	To	0.00	0.50	0.50	ZZ	1	0	GR
0713	77032	YDR WEST TEST WELL ROAD	From	To	0.00	2.00	2.00	ZZ	1	0	GR
0714	77033	YDR LOWER SILLWAY ROAD	From	To	0.00	0.10	0.10	ZZ	1	0	GR
0900	77034	VISITOR CENTER PARKING	Adjacent To Route 0010 at MP 5.25		0.00	0.00	0.00	9	0	27,703	OC
0901	75254	LOWER VISITOR CENTER PARKING	Adjacent To Route 0012 at MP 0.1		0.00	0.00	0.00	9	0	36,496	OC
0902	75542	AFTER BAY OVERLOOK	Adjacent To Route 0012 at MP 0.71		0.00	0.00	0.00	9	0	26,099	OC
0903	77041	UPPER OK-A-BEH PARKING	Adjacent To Route 0011 at MP 9.1		0.00	0.00	0.00	9	0	120,872	OC
0904	77042	LOWER OK-A-BEH PARKING	At End of Route 0011		0.00	0.00	0.00	9	0	53,642	OC
0905	77040	OK-A-BEH OVERLOOK PARKING	Adjacent To Route 0011 at MP 8.57		0.00	0.00	0.00	9	0	23,343	OC
0906		OK-A-BEH EXHIBIT PARKING	Adjacent To Route 0011 at MP 4.55		0.00	0.00	0.00	9	0	2,088	OC
0907		SOUTH AFTER BAY RIVER ACCESS PARKING	At End of Route 0214		0.00	0.00	0.00	9	0	0	GR

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BICA

Bighorn Canyon National Recreation Area

Rte. #	FMSS Asset #	Route Name	Route Description From To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0908	75549	NORTH AFTER BAY RIVER ACCESS PARKING	At End of Route 0215	0.00	0.00	0.00	9	0	0	GR
0909	75574	BOAT RAMP PARKING	At End of Route 0201	0.00	0.00	0.00	9	0	57,731	OC
0910	75212	THREE MILE RIVER ACCESS PARKING	At End of Route 0217	0.00	0.00	0.00	9	0	0	GR
0911		AIRSTRIP AND PARKING	At End of Route 0208	0.00	0.00	0.00	9	0	197,542	AS
0912		POWERSTRIP OVERLOOK ACCESS PARKING	Adjacent to Route 0210 at MP 0.319	0.00	0.00	0.00	9	0	0	GR
0913		PARK HEADQUARTERS PARKING	Adjacent To Route 0212	0.00	0.00	0.00	9	0	19,643	AS
0914		MAINTENANCE PARKING	Adjacent To Route 0212	0.00	0.00	0.00	9	0	32,536	AS
0915		BALLFIELD PARKING A	Adjacent To Route 0212 at MP 0.35	0.00	0.00	0.00	9	0	2,416	AS
0916		BALLFIELD PARKING B	Adjacent To Route 0415	0.00	0.00	0.00	9	0	1,461	AS
0917		BALLFIELD PARKING C	Adjacent To Route 0416	0.00	0.00	0.00	9	0	1,553	AS
0918		SCHOOL PARKING	Adjacent To Route 0411	0.00	0.00	0.00	9	0	10,622	AS
0919	72160	LOVELL VISITORS CENTER PARKING	Adjacent to US 14a	0.00	0.00	0.00	9	0	56,112	OC
0920	77532	HORSESHOE BEND PARKING	Adjacent To Route 0203 at MP 1.5	0.00	0.00	0.00	9	0	66,870	OC
0921	72537	DEVIL'S CANYON OVERLOOK PARKING	At End of Route 0204	0.00	0.00	0.00	9	0	17,607	OC
0922		BARRYS LANDING PARKING	Adjacent to Route 0013 at MP 15.5	0.00	0.00	0.00	9	0	0	GR
0923		YELLOWTAIL POWER PLANT PARKING	At End of Route 0211	0.00	0.00	0.00	9	0	0	OC
0924		BUREAU OF RECLAMATION PARKING	Adjacent to 0010 at MP 4	0.00	0.00	0.00	9	0	15,231	OC
0925		BAD PASS PARKING B	Adjacent to Route 0013 at MP 7.5	0.00	0.00	0.00	9	0	11,777	OC
0926		BAD PASS PARKING A	Adjacent to Route 0013 at MP 7.15	0.00	0.00	0.00	9	0	15,548	OC
0927	77537	HORSESHOE BEND MARINA PARKING	At End of Route 0203	0.00	0.00	0.00	9	0	59,589	OC
0928		RANGER STATION PARKING	Adjacent to Route 0203 at MP 1.35	0.00	0.00	0.00	9	0	0	GR
0929		AUTOMATIC FEE PAY STATION	Adjacent to Route 0013 at MP 0.55	0.00	0.00	0.00	9	0	4,091	OC
0930		HORSESHOE BEND DUMP STATION	Adjacent to Route 0203 at MP 1.3	0.00	0.00	0.00	9	0	4,078	OC
0931		SPIRITED MUSTANG OVERLOOK PARKING	Adjacent to Route 0013 at MP 3.3	0.00	0.00	0.00	9	0	11,489	OC
Totals				39.75	17.63	57.38			1,115,858	

NPS/RIP Route ID Report

(Numerical By Route #)

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Black = Paved State, Local or Private non-NPS Routes, ARAN Driven	Purple =	

General Park Road Functional Classification Table

- Class 1 Principal Park Road/Rural Parkway (Public Roads) - Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Route Numbers 1 - 99. Note: Rural parkways (e.g. Natchez Trace) are numbered 1 - 9. State Routes Inventoried for Park. Route Numbers 5000-5999
- Class 2 Connector Park Road (Public Roads) - Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc. Route Numbers 100-199.
- Class 3 Special Purpose Park Road (Public Roads) - Roads which provide circulation within public areas, such as campgrounds, picnic areas, visitor center complexes, concessionaire facilities, etc. These roads generally serve low-speed traffic and are often designed for one-way circulation. Route Numbers 200-299.
- Class 4 Primitive Park Roads (Public Roads) - Roads which provide circulation through remote areas and/or access to primitive campgrounds and undeveloped areas. These roads frequently have no minimum design standards and their use may be limited to specially equipped vehicles. Route Numbers 200-299.
Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.
- Class 5 Administrative Access Road (Administrative Roads) - All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas. Route Numbers 400-499.
- Class 6 Restricted Road (Administrative Roads) - All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. Route Numbers 400-499.
Note: Functional Classes 5 and 6 have the same route numbers because historically they were numbered similarly and often there is little distinction between these routes. For example, because utility areas and employee housing are often closed to the public, this restriction would result in classification of FC 6 rather than FC 5.
- Class 7 Urban Parkway (Urban Parkways and City Streets) - These facilities serve high volumes of park and non-park related traffic and are restricted, limited-access facilities in an urban area. This category of roads primarily encompasses the major parkways which serve as gateways to our nation's capital. Other major park roads or portions thereof, however, may be included in this category. Route Numbers 1-9.
- Class 8 City Streets (Urban Parkways and City Streets) - City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service. The construction and/or reconstruction should conform with accepted local engineering practice and local conditions. Route Numbers 600-699.
- Class 9 Boat Ramp - (Public and Administrative) Route Numbers 800-899.
Parking Area - (Public and Administrative) Route Numbers 900-1999.

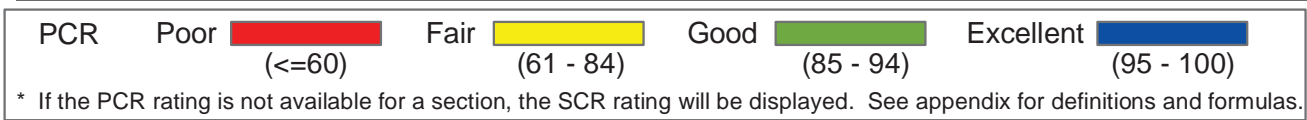
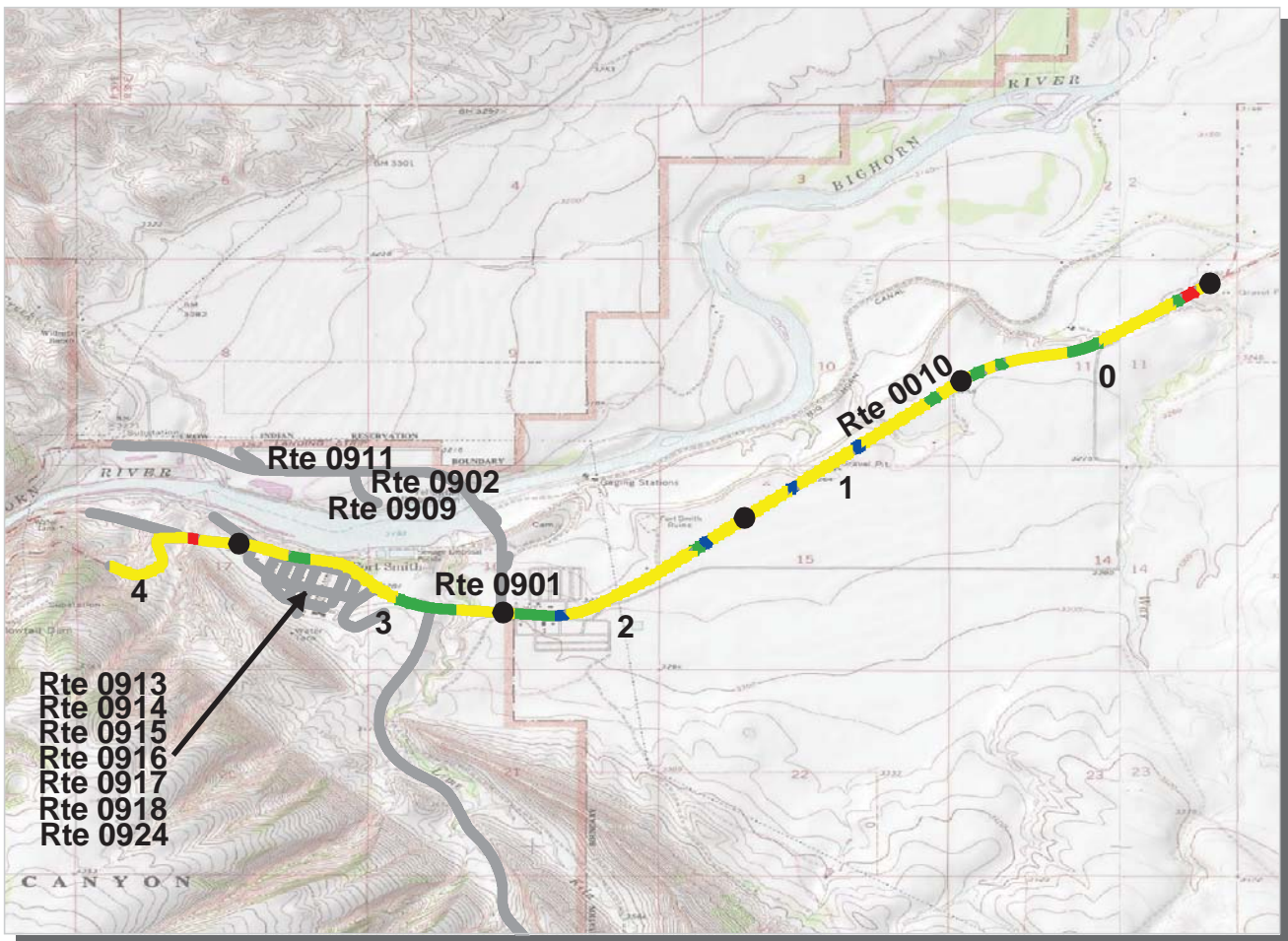
Surface Type Abbreviations:

- AS - Asphaltic Concrete Pavement
- CO - Portland Cement Concrete Pavement
- NC - New Chip Seal Pavement (Under 5 Years)
- OC - Old Chip Seal Pavement (5 Years and Greater)
- SS - Slurry Seal Pavement
- GR - Gravel Road Bed
- BR - Brick or Pavers Road Bed
- CB - Cobble Stone Road Bed
- SA - Sand Road Bed
- DT - Dirt or Native Material Road Bed
- OT - Other Materials Road Bed

A park road system contains those roads within or giving access to a park or other unit of the NPS which are administered by the NPS, or by the Service in cooperation with other agencies. The assignment of a functional classification (FC) to a park road is not based on traffic volumes or design speed, but on the intended use or function of that road or route.

The historic route numbering system also included a 300 number series for interpretive roads, and a 500 series for one-way roads. There are approximately 250 roads nationwide which are designated by the 300 and 500 series. The numbers for these roads will be maintained for reporting consistency. However, since these interpretive and one-way routes are not as clearly tied to a specific functional class, the 300 and 500 series will be discontinued for future use.

ZZ Functional Class Routes were added from FMSS Database. Final Route Number and Functional Class will be established during Park visit for Cycle 4 data collection.



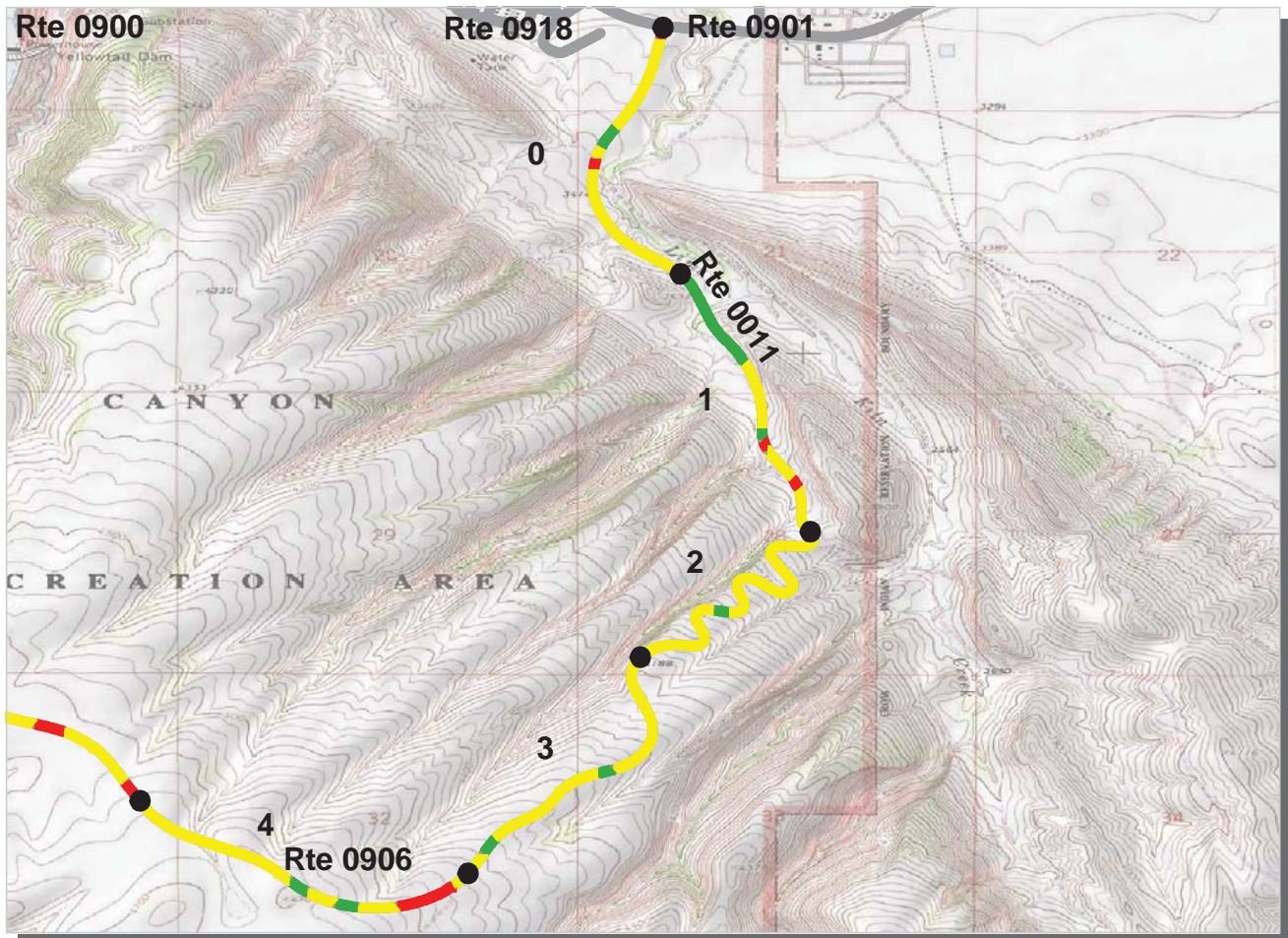
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0010 Fort Smith Access Road **TOTAL LENGTH: 4.66 Miles**

	0	1	2	3	4
Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	0.66
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	21	20	20	21
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	2	0	0	0	0
Roadway Condition Information					
PCR (Pavement Condition Rating)	76	77	82	79	69
RCI (Roughness Condition Index)	95	96	98	96	84
SCR (Surface Condition Rating)	64	64	71	68	59
Alligator Cracking Index	100	100	100	100	100
Rutting Index	67	68	73	71	61
Patching Index	100	100	100	100	100
Transverse Cracking Index	97	96	98	97	97
Longitudinal Cracking Index	99	99	99	99	99
Shoulder Condition Rating	GOOD	N/A	N/A	N/A	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0010 Fort Smith Access Road

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR Poor (≤60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

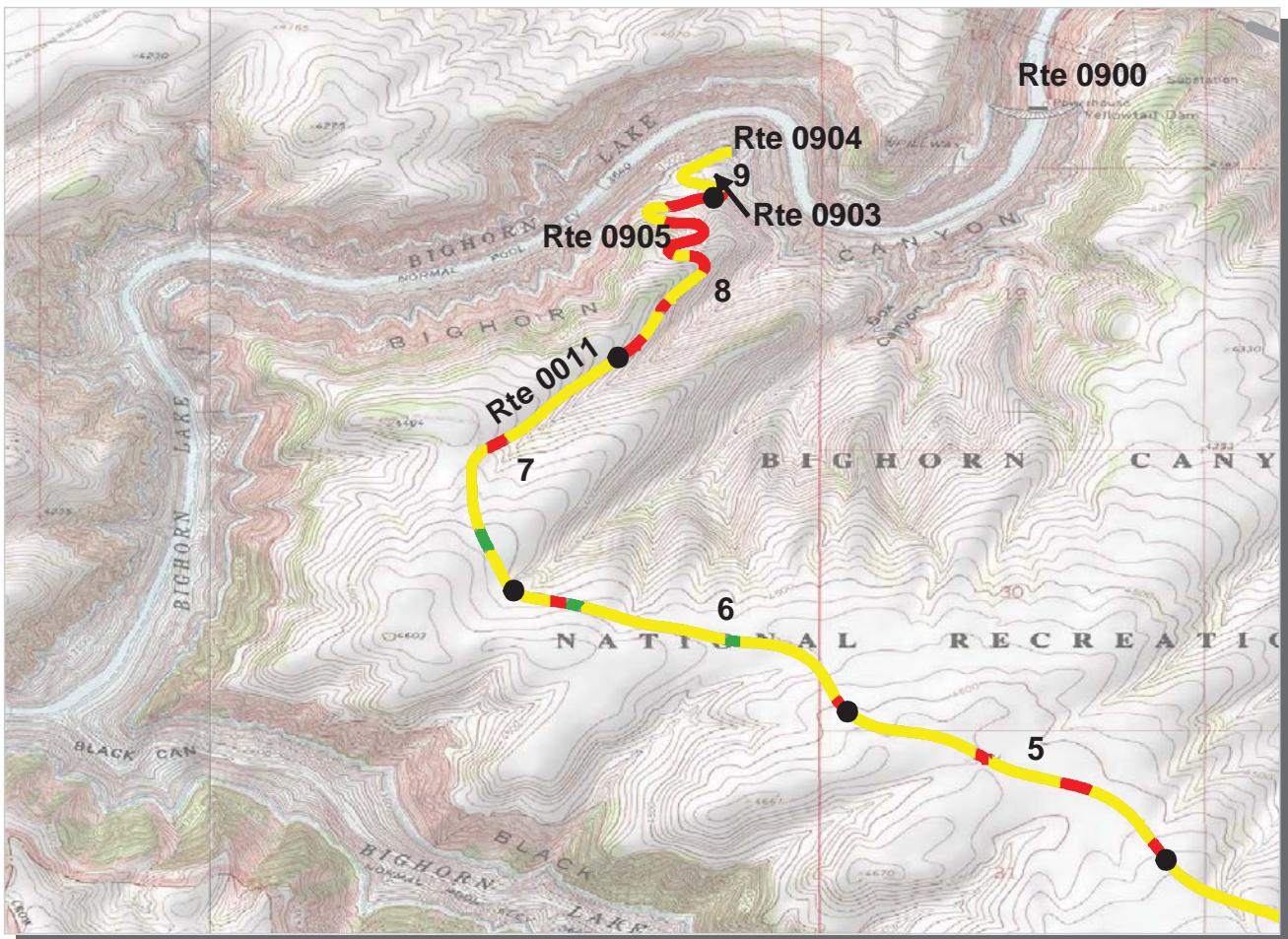
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0011 Ok-A-Beh Road **TOTAL LENGTH: 9.33 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	18	18	19	18	18
Lane Width (ft)	9	9	9	9	9
Shoulder Width (ft)	3	6	1	4	3
Roadway Condition Information					
PCR (Pavement Condition Rating)	72	74	72	75	73
RCI (Roughness Condition Index)	89	92	89	92	88
SCR (Surface Condition Rating)	62	62	60	64	64
Alligator Cracking Index	100	100	100	100	100
Rutting Index	62	62	60	64	64
Patching Index	100	100	100	100	100
Transverse Cracking Index	99	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Ok-A-Beh Road

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR	Poor	 	Fair	 	Good	 	Excellent	
		(≤60)		(61 - 84)		(85 - 94)		(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Intermountain Region

BICA : Bighorn Canyon National Recreation Area

ROUTE: 0011 Ok-A-Beh Road

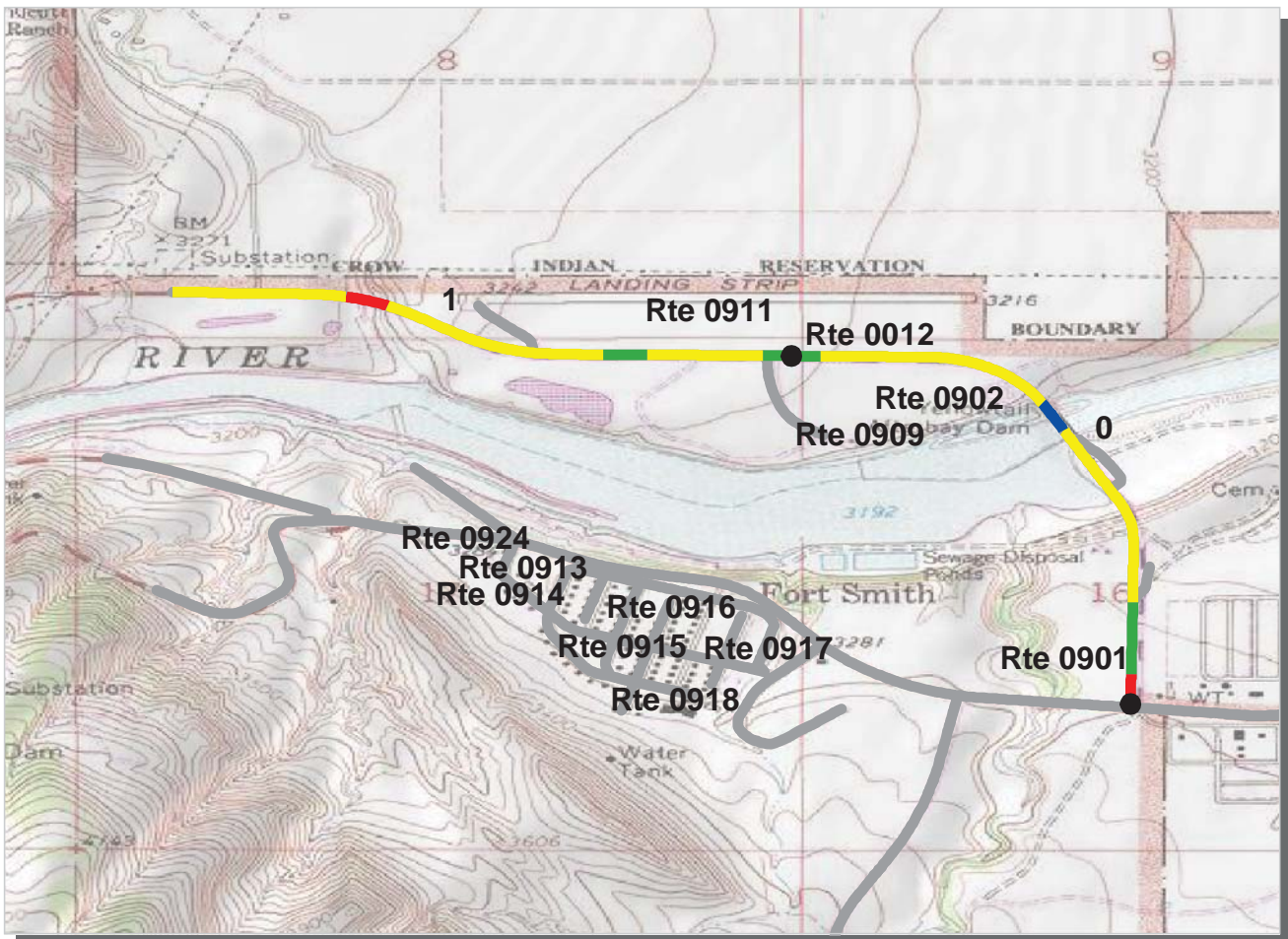
TOTAL LENGTH: 9.33 Miles

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	0.33
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	20	18	18	18
Lane Width (ft)	10	11	9	9	9
Shoulder Width (ft)	0	1	3	3	4
Roadway Condition Information					
PCR (Pavement Condition Rating)	68	72	73	62	67
RCI (Roughness Condition Index)	82	83	86	70	81
SCR (Surface Condition Rating)	59	64	65	57	59
Alligator Cracking Index	100	100	100	100	100
Rutting Index	59	64	65	57	59
Patching Index	100	100	100	100	100
Transverse Cracking Index	99	99	100	99	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Ok-A-Beh Road

* NC designates data not collected NA designates not applicable

** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR Poor (≤60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

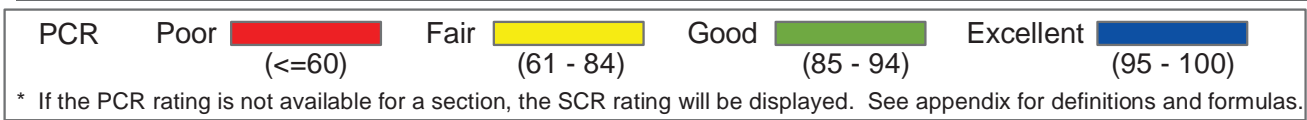
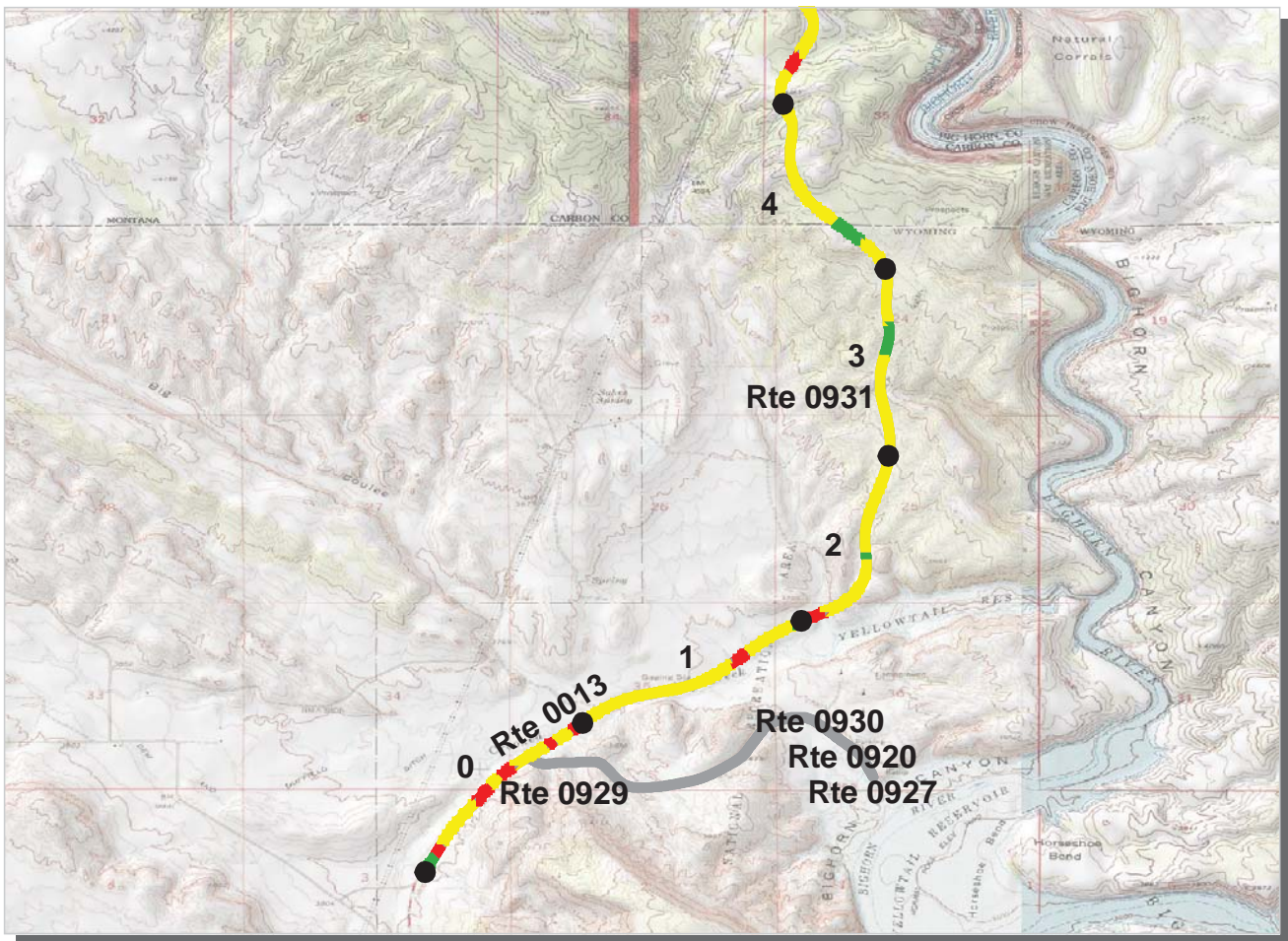
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0012 After Bay Road **TOTAL LENGTH: 1.90 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.90			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	21	21			
Lane Width (ft)	11	10			
Shoulder Width (ft)	4	3			
Roadway Condition Information					
PCR (Pavement Condition Rating)	77	75			
RCI (Roughness Condition Index)	95	92			
SCR (Surface Condition Rating)	66	63			
Alligator Cracking Index	100	100			
Rutting Index	67	64			
Patching Index	100	100			
Transverse Cracking Index	99	99			
Longitudinal Cracking Index	99	99			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0012 After Bay Road

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



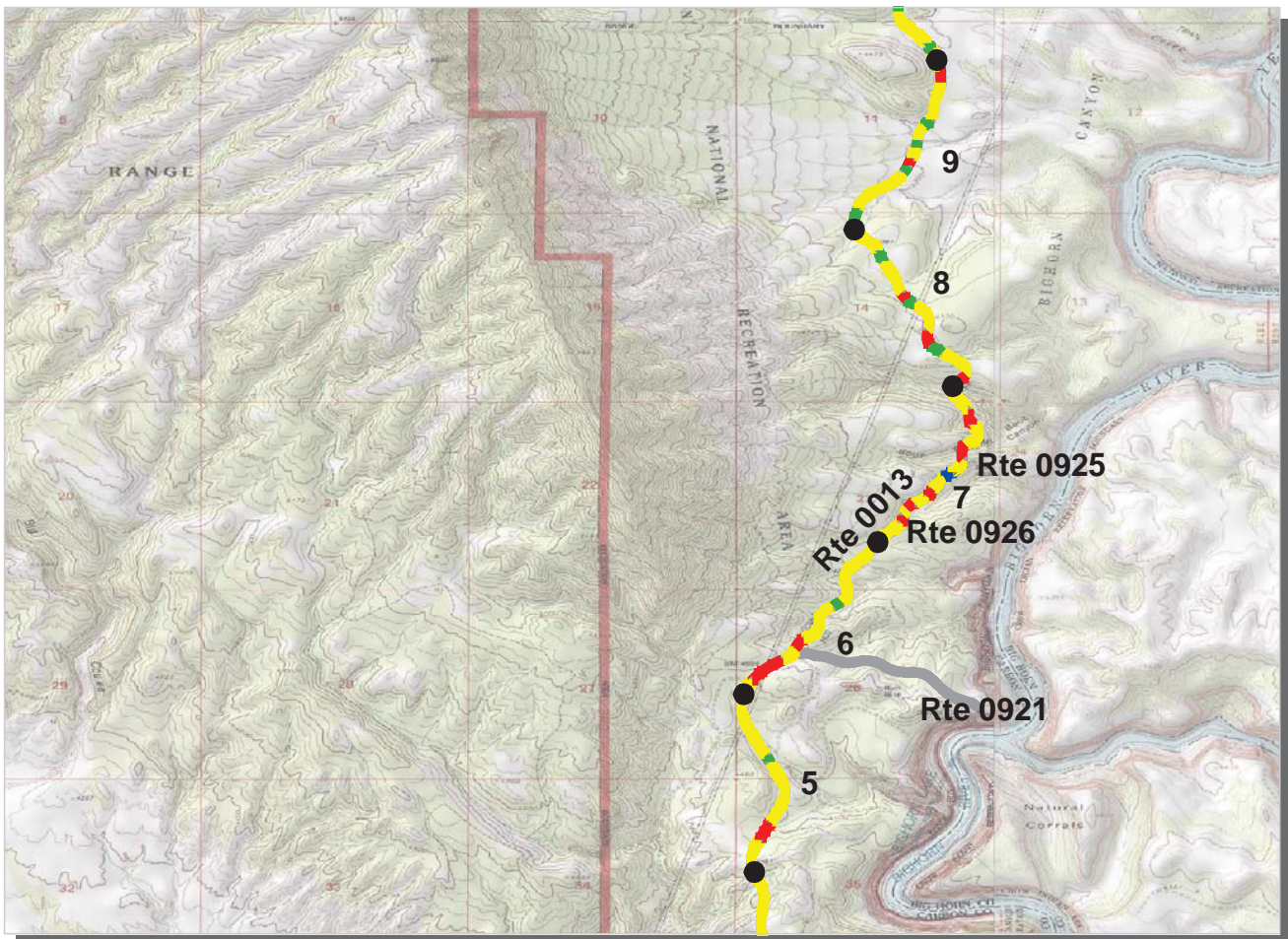
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0013 Bad Pass Road **TOTAL LENGTH: 15.55 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	26	28	30	29	29
Lane Width (ft)	14	13	15	14	15
Shoulder Width (ft)	0	0	0	0	0
Roadway Condition Information					
PCR (Pavement Condition Rating)	65	67	76	75	78
RCI (Roughness Condition Index)	81	96	96	99	98
SCR (Surface Condition Rating)	55	49	62	58	64
Alligator Cracking Index	100	100	100	100	100
Rutting Index	61	57	68	69	79
Patching Index	99	100	100	99	100
Transverse Cracking Index	94	91	94	90	90
Longitudinal Cracking Index	99	99	99	98	94
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0013 Bad Pass Road

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR Poor ■ Fair ■ Good ■ Excellent ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

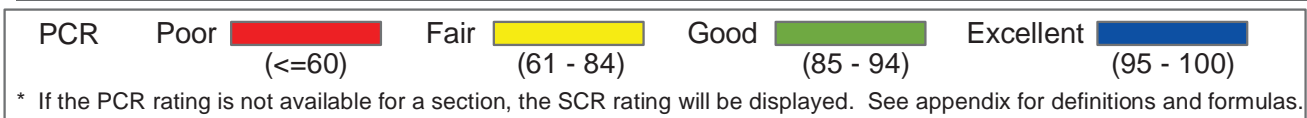
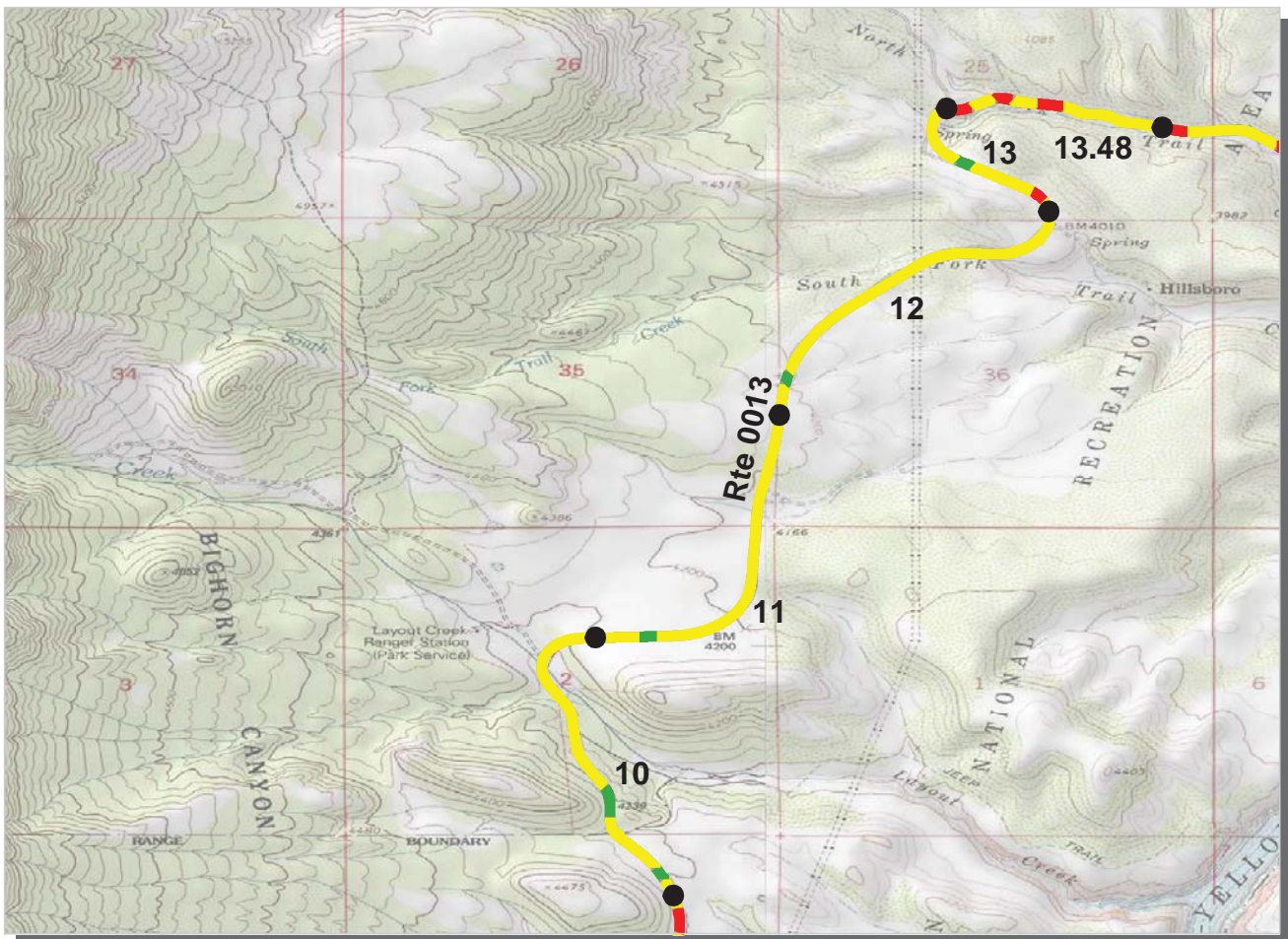
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0013 Bad Pass Road **TOTAL LENGTH: 15.55 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	28	29	33	34	31
Lane Width (ft)	15	16	18	18	15
Shoulder Width (ft)	2	0	3	0	4
Roadway Condition Information					
PCR (Pavement Condition Rating)	70	66	62	71	75
RCI (Roughness Condition Index)	99	81	79	90	92
SCR (Surface Condition Rating)	51	56	51	59	64
Alligator Cracking Index	100	99	99	100	100
Rutting Index	69	73	68	76	72
Patching Index	100	100	100	100	100
Transverse Cracking Index	87	88	88	88	93
Longitudinal Cracking Index	94	94	94	95	98
Shoulder Condition Rating	POOR	N/A	POOR	N/A	POOR
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0013 Bad Pass Road

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



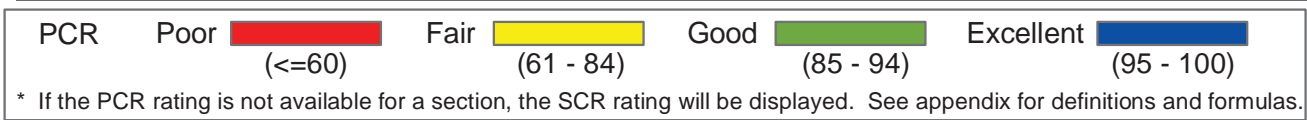
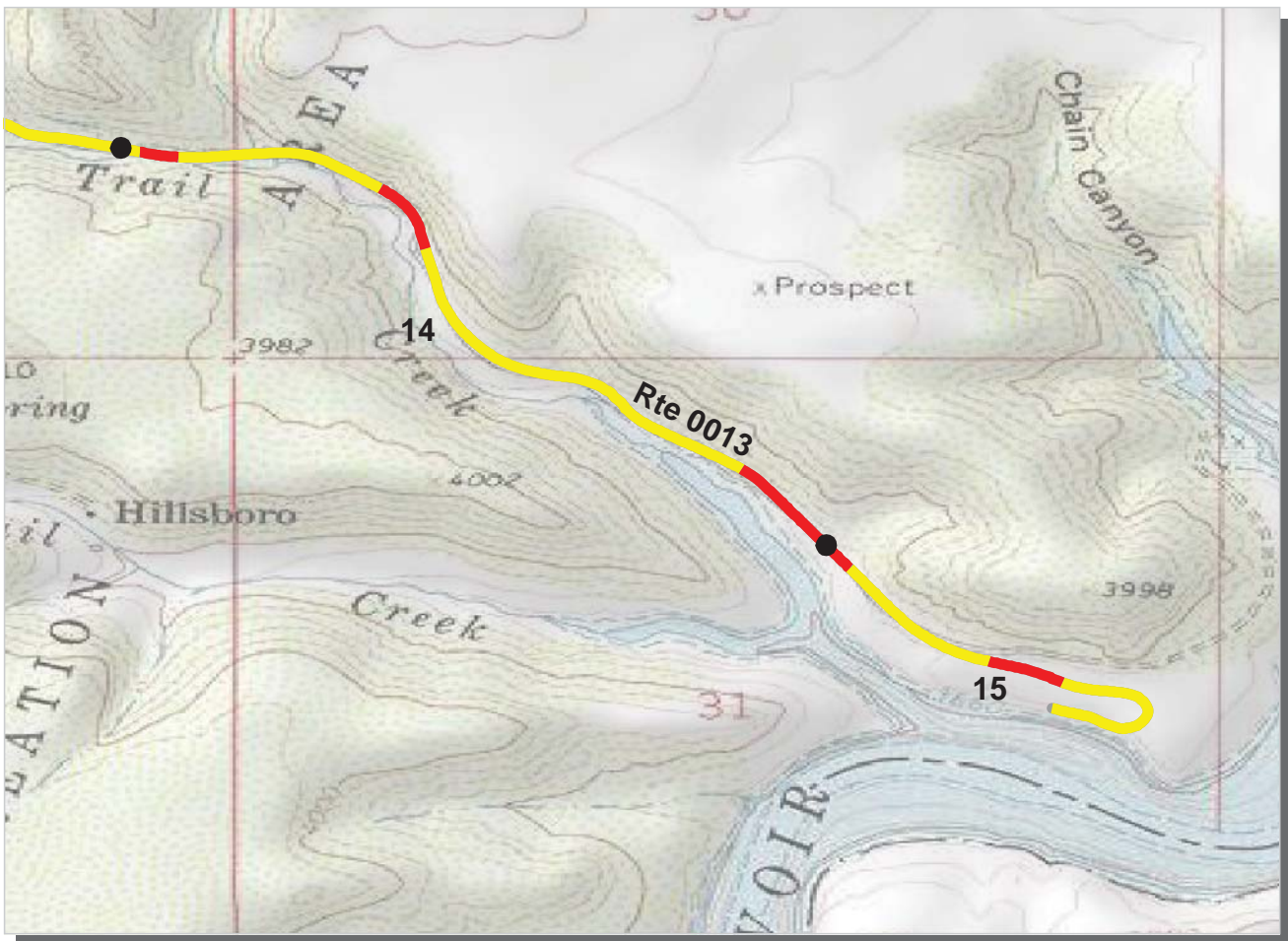
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0013 Bad Pass Road **TOTAL LENGTH: 15.55 Miles**

Section Number	10	11	12	13	13.48
Section Length (mi)	1.00	1.00	1.00	0.48	0.52
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	31	33	30	29	27
Lane Width (ft)	15	18	15	16	14
Shoulder Width (ft)	3	0	3	4	0
Roadway Condition Information					
PCR (Pavement Condition Rating)	74	74	71	70	60
RCI (Roughness Condition Index)	92	95	91	89	89
SCR (Surface Condition Rating)	62	60	58	58	45
Alligator Cracking Index	100	100	100	100	100
Rutting Index	73	72	71	70	57
Patching Index	100	100	100	100	100
Transverse Cracking Index	92	89	90	92	90
Longitudinal Cracking Index	97	98	96	95	97
Shoulder Condition Rating	POOR	N/A	POOR	POOR	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0013 Bad Pass Road

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



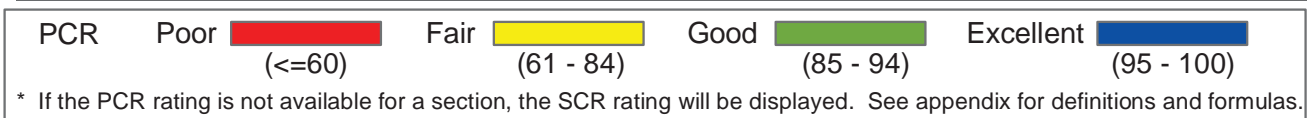
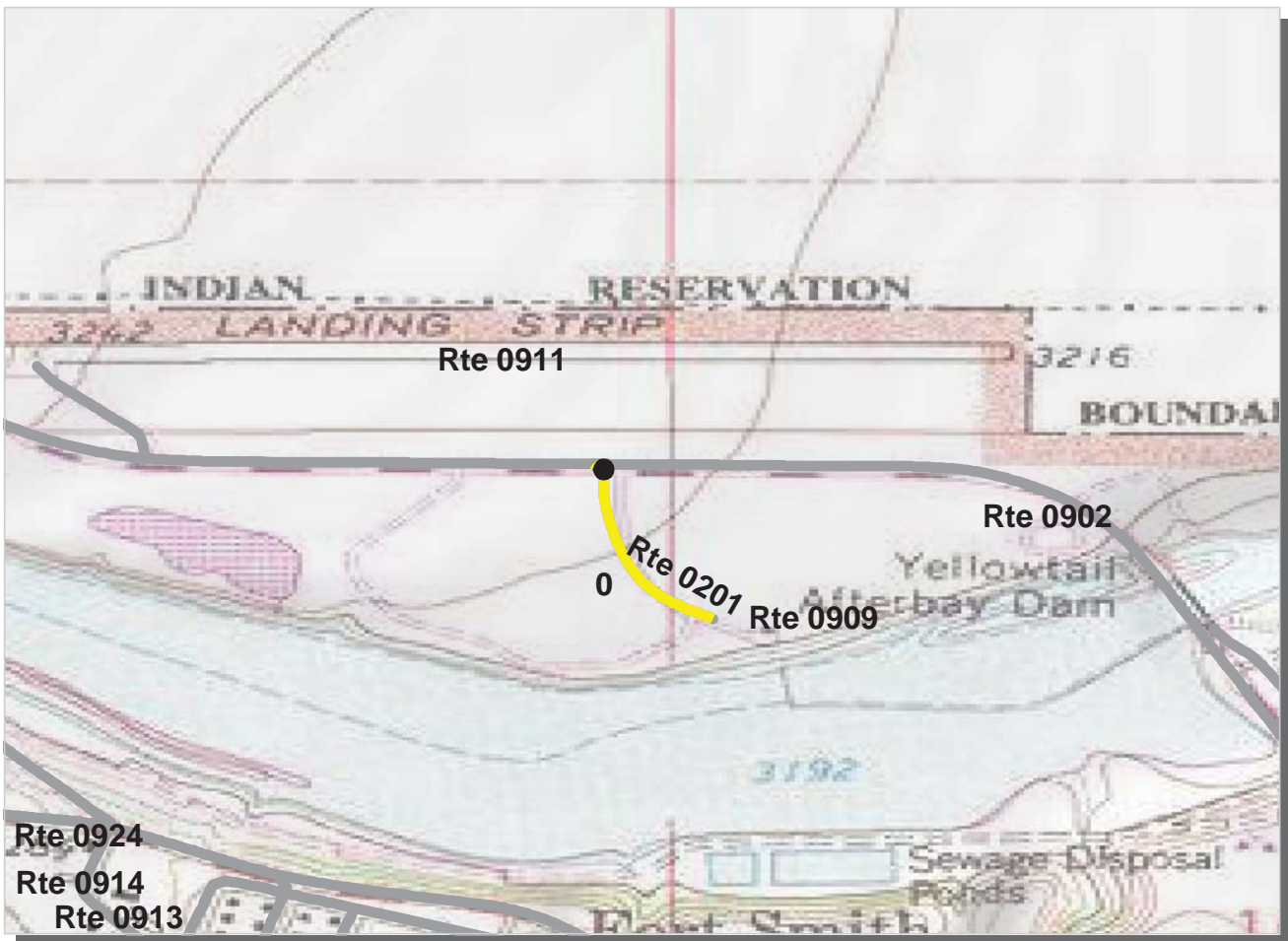
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0013 Bad Pass Road **TOTAL LENGTH: 15.55 Miles**

Section Number	14	15			
Section Length (mi)	1.00	0.55			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	26	25			
Lane Width (ft)	14	14			
Shoulder Width (ft)	0	0			
Roadway Condition Information					
PCR (Pavement Condition Rating)	65	66			
RCI (Roughness Condition Index)	90	91			
SCR (Surface Condition Rating)	49	50			
Alligator Cracking Index	100	100			
Rutting Index	59	60			
Patching Index	100	100			
Transverse Cracking Index	92	92			
Longitudinal Cracking Index	97	97			
Shoulder Condition Rating	N/A	N/A			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0013 Bad Pass Road

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



Intermountain Region

BICA : Bighorn Canyon National Recreation Area

ROUTE: 0201 After Bay Boat Ramp Road

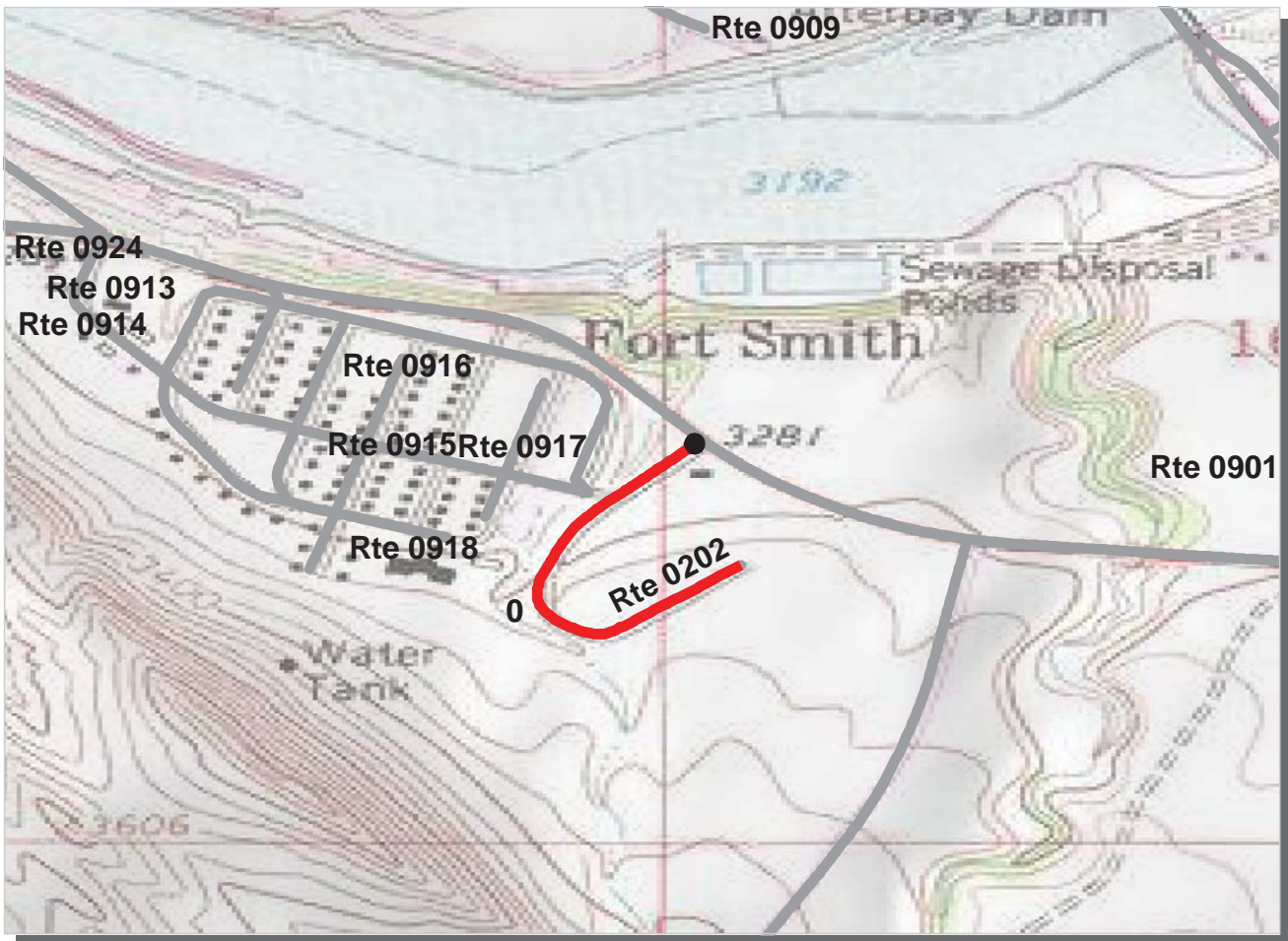
TOTAL LENGTH: 0.19 Miles

Section Number	0			
Section Length (mi)	0.19			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	23			
Lane Width (ft)	10			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	64			
RCI (Roughness Condition Index)	85			
SCR (Surface Condition Rating)	56			
Alligator Cracking Index	100			
Rutting Index	56			
Patching Index	100			
Transverse Cracking Index	99			
Longitudinal Cracking Index	100			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0201 After Bay Boat Ramp Road

* NC designates data not collected NA designates not applicable

** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR Poor Fair Good Excellent
 (<=60) (61 - 84) (85 - 94) (95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

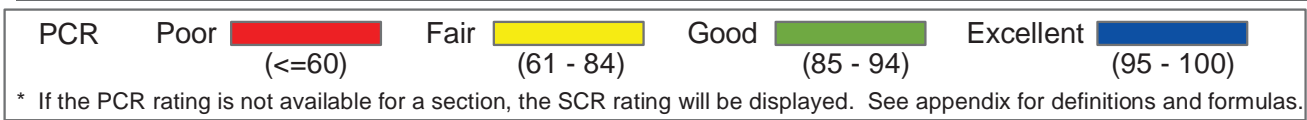
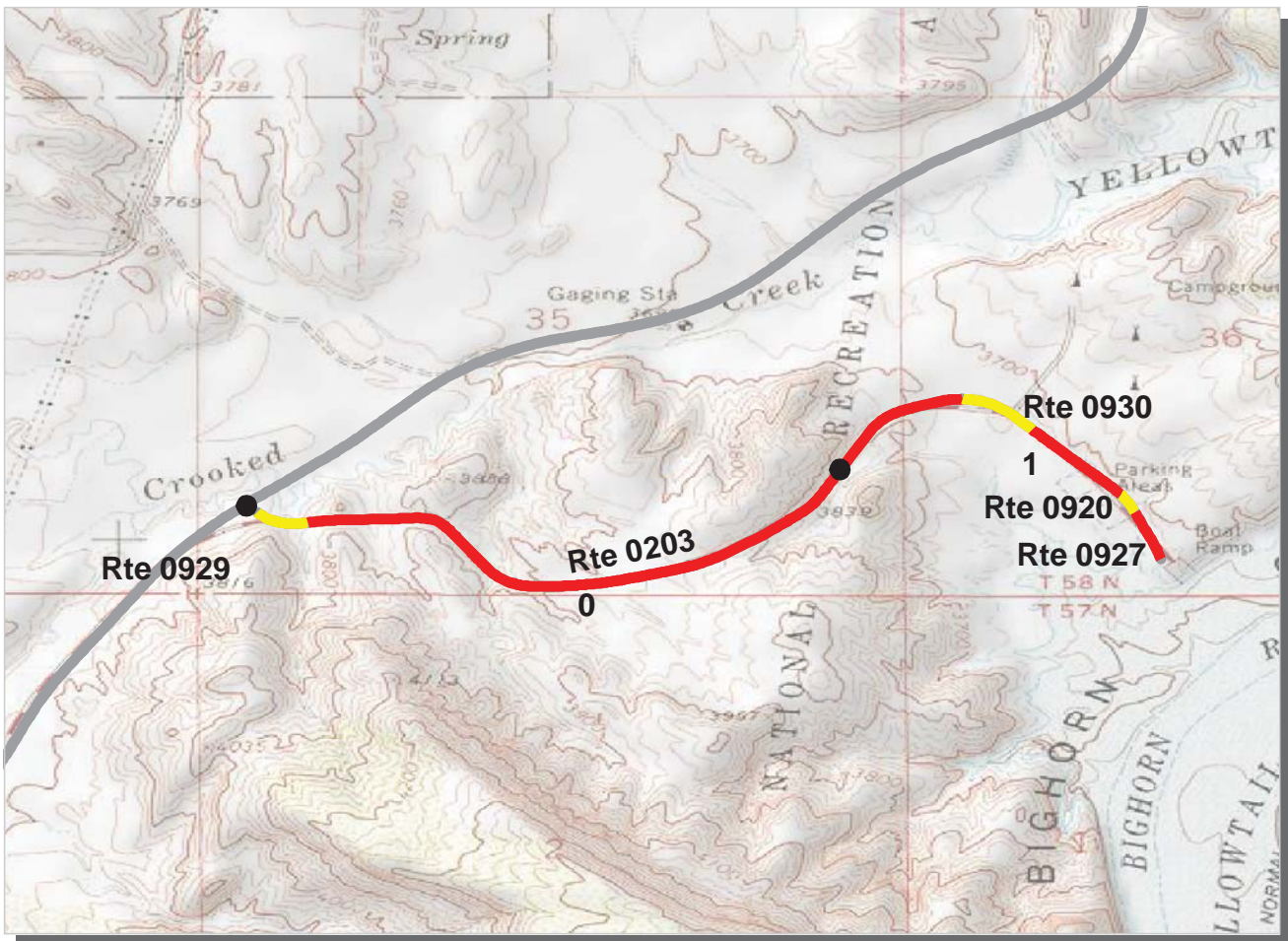
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0202 M-K Hill Picnic Road **TOTAL LENGTH: 0.40 Miles**

Section Number	0				
Section Length (mi)	0.40				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	32				
Lane Width (ft)	16				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	32				
RCI (Roughness Condition Index)	52				
SCR (Surface Condition Rating)	31				
Alligator Cracking Index	100				
Rutting Index	31				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0202 M-K Hill Picnic Road

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



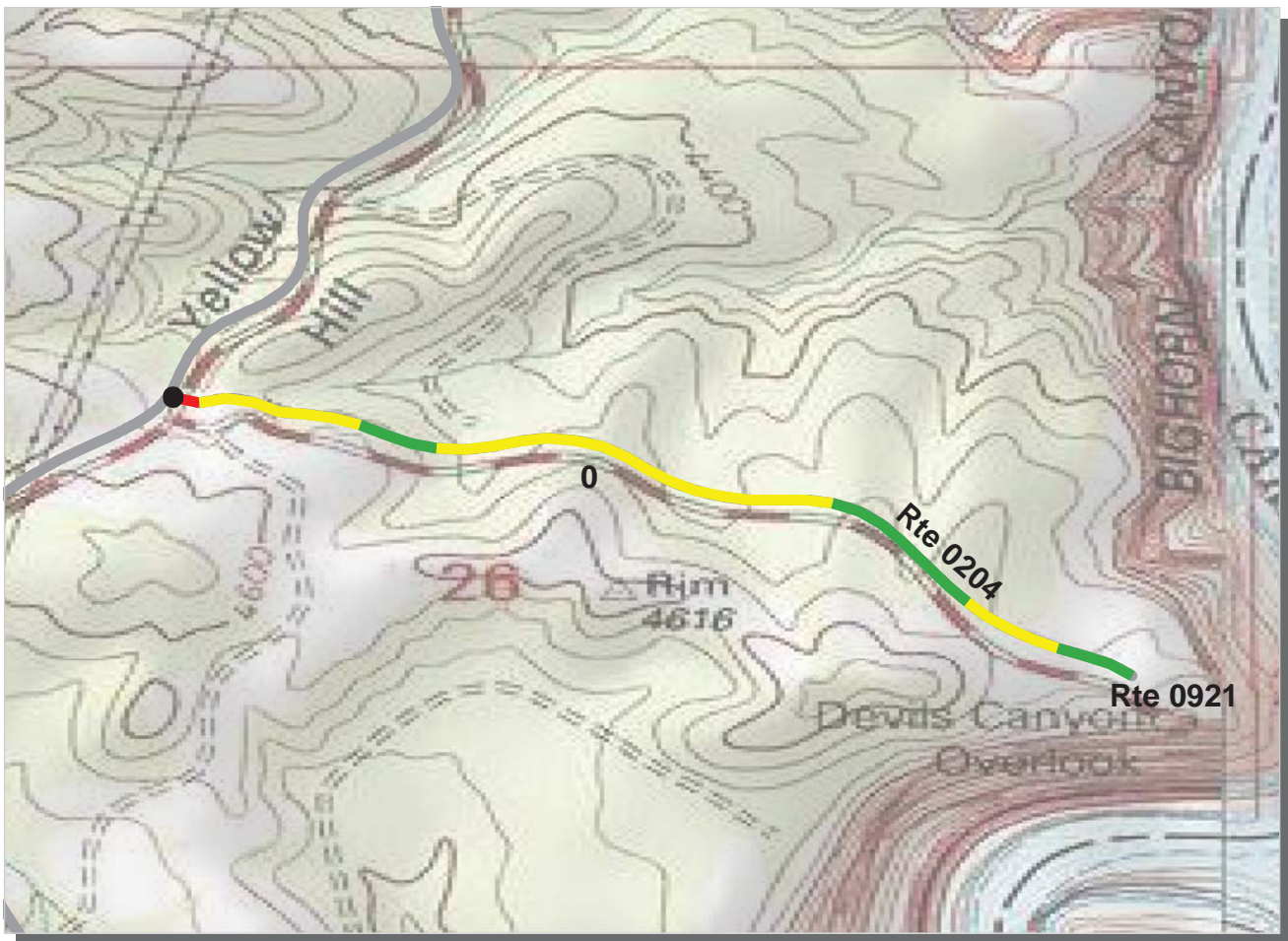
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0203 Horse Shoe Bend Road **TOTAL LENGTH: 1.69 Miles**

Section Number	0	1		
Section Length (mi)	1.00	0.69		
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2	2		
Paved Width (ft)	25	19		
Lane Width (ft)	15	9		
Shoulder Width (ft)	4	0		
Roadway Condition Information				
PCR (Pavement Condition Rating)	46	57		
RCI (Roughness Condition Index)	49	73		
SCR (Surface Condition Rating)	43	48		
Alligator Cracking Index	99	100		
Rutting Index	55	62		
Patching Index	100	100		
Transverse Cracking Index	89	87		
Longitudinal Cracking Index	98	98		
Shoulder Condition Rating	N/A	N/A		
Drainage Condition Rating	GOOD	GOOD		

ROUTE: 0203 Horse Shoe Bend Road

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR	Poor	 	Fair	 	Good	 	Excellent	
		(<=60)		(61 - 84)		(85 - 94)		(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

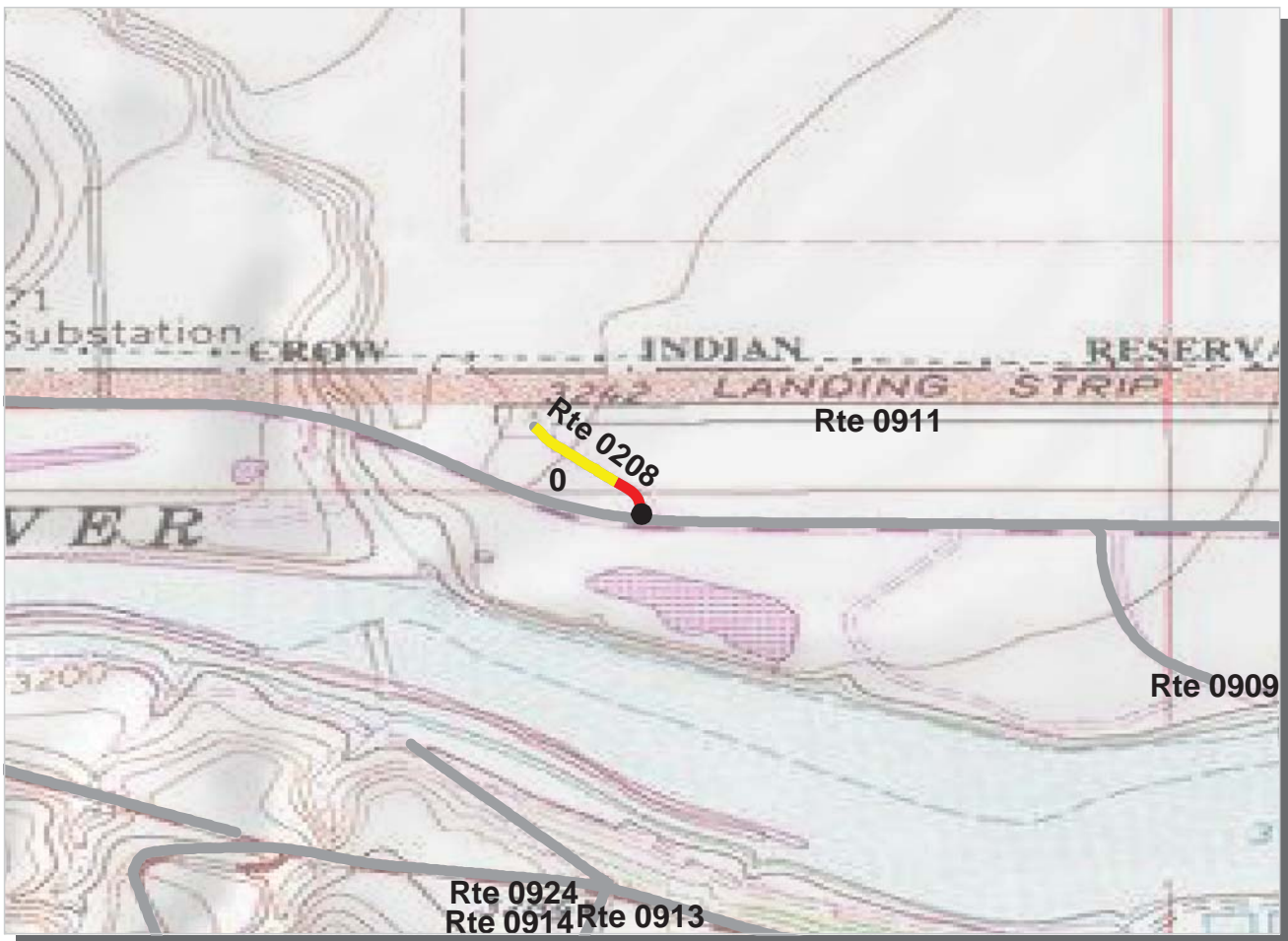
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0204 DEVIL'S CANYON OVERLOOK ROAD **TOTAL LENGTH: 0.80 Miles**

Section Number	0				
Section Length (mi)	0.80				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	29				
Lane Width (ft)	15				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	79				
RCI (Roughness Condition Index)	93				
SCR (Surface Condition Rating)	71				
Alligator Cracking Index	100				
Rutting Index	76				
Patching Index	100				
Transverse Cracking Index	95				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0204 DEVIL'S CANYON OVERLOOK ROAD

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR Poor ■ Fair ■ Good ■ Excellent ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

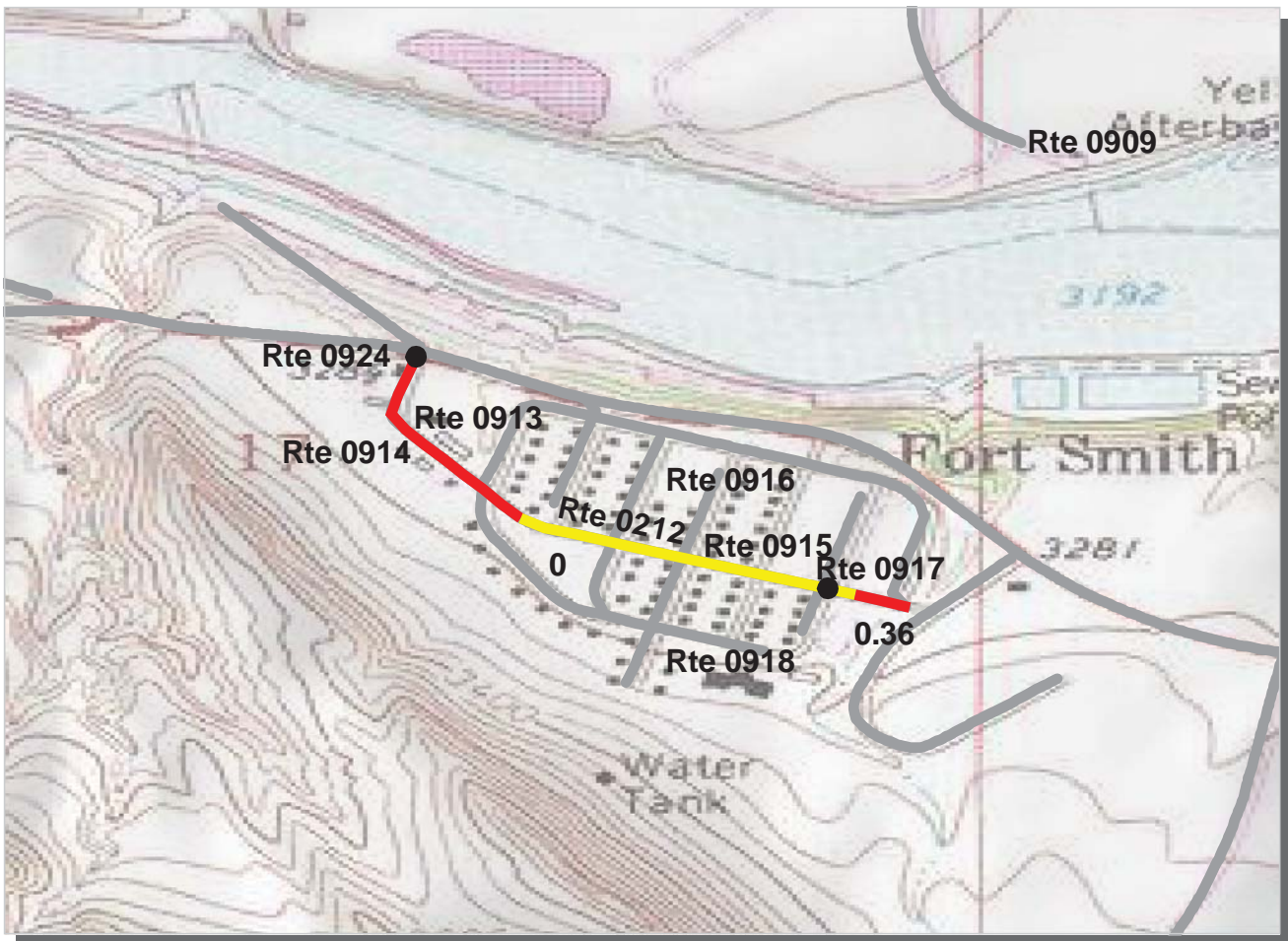
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0208 Airstrip Access Rd **TOTAL LENGTH: 0.13 Miles**

Section Number	0			
Section Length (mi)	0.13			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	19			
Lane Width (ft)	9			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	54			
RCI (Roughness Condition Index)	100			
SCR (Surface Condition Rating)	51			
Alligator Cracking Index	100			
Rutting Index	52			
Patching Index	100			
Transverse Cracking Index	99			
Longitudinal Cracking Index	100			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0208 Airstrip Access Rd

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR Poor ■ Fair ■ Good ■ Excellent ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

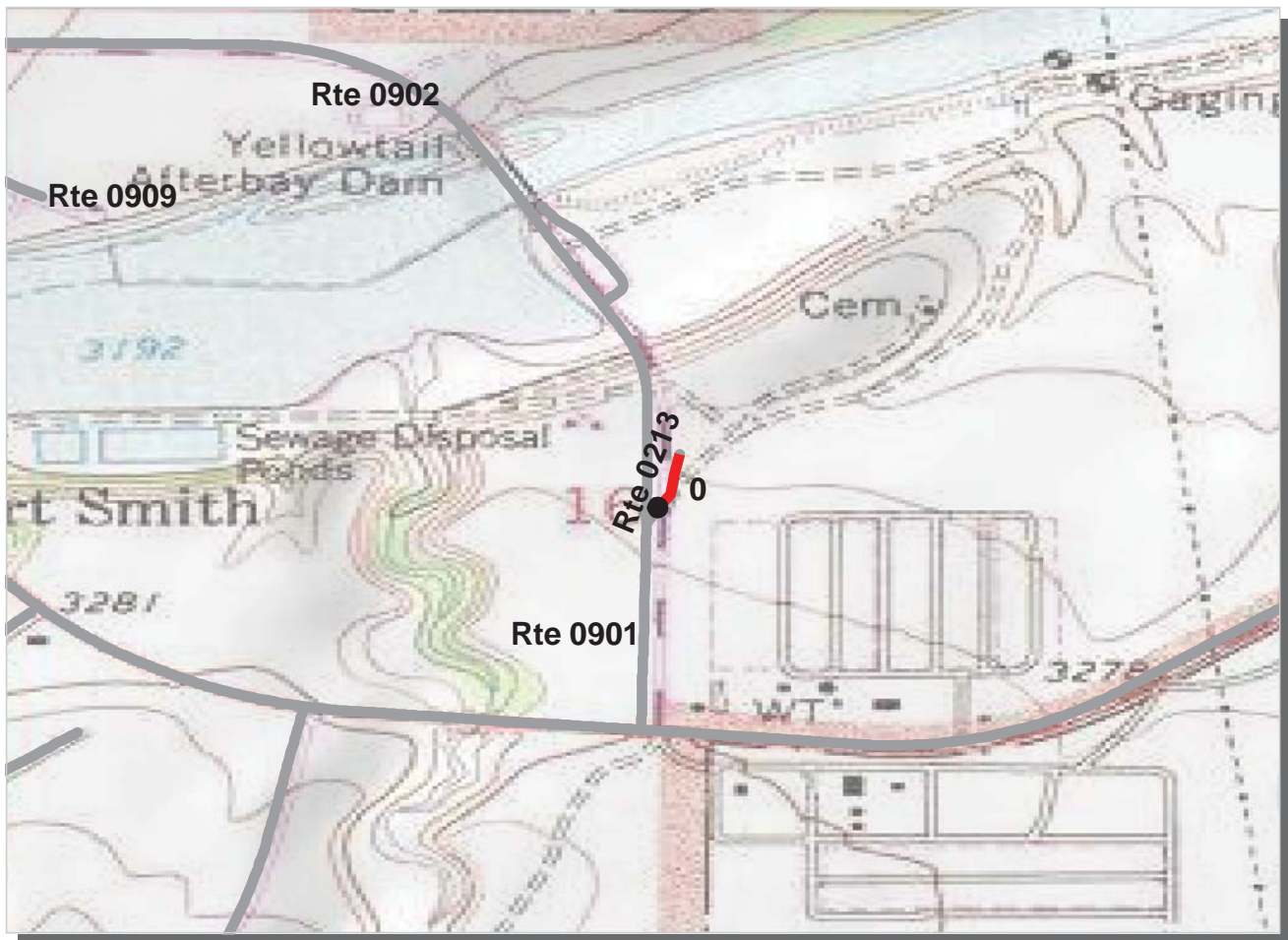
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0212 Avenue B **TOTAL LENGTH: 0.40 Miles**

Section Number	0	0.36		
Section Length (mi)	0.32	0.08		
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2	2		
Paved Width (ft)	33	33		
Lane Width (ft)	17	18		
Shoulder Width (ft)	0	0		
Roadway Condition Information				
PCR (Pavement Condition Rating)	55	55		
RCI (Roughness Condition Index)	60	-1		
SCR (Surface Condition Rating)	52	55		
Alligator Cracking Index	92	93		
Rutting Index	64	68		
Patching Index	99	99		
Transverse Cracking Index	97	97		
Longitudinal Cracking Index	98	96		
Shoulder Condition Rating	N/A	N/A		
Drainage Condition Rating	GOOD	GOOD		

ROUTE: 0212 Avenue B

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR Poor (≤60) ■ Fair (61 - 84) ■ Good (85 - 94) ■ Excellent (95 - 100) ■

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Intermountain Region

BICA : Bighorn Canyon National Recreation Area

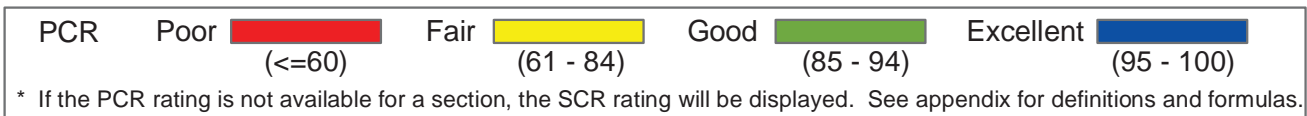
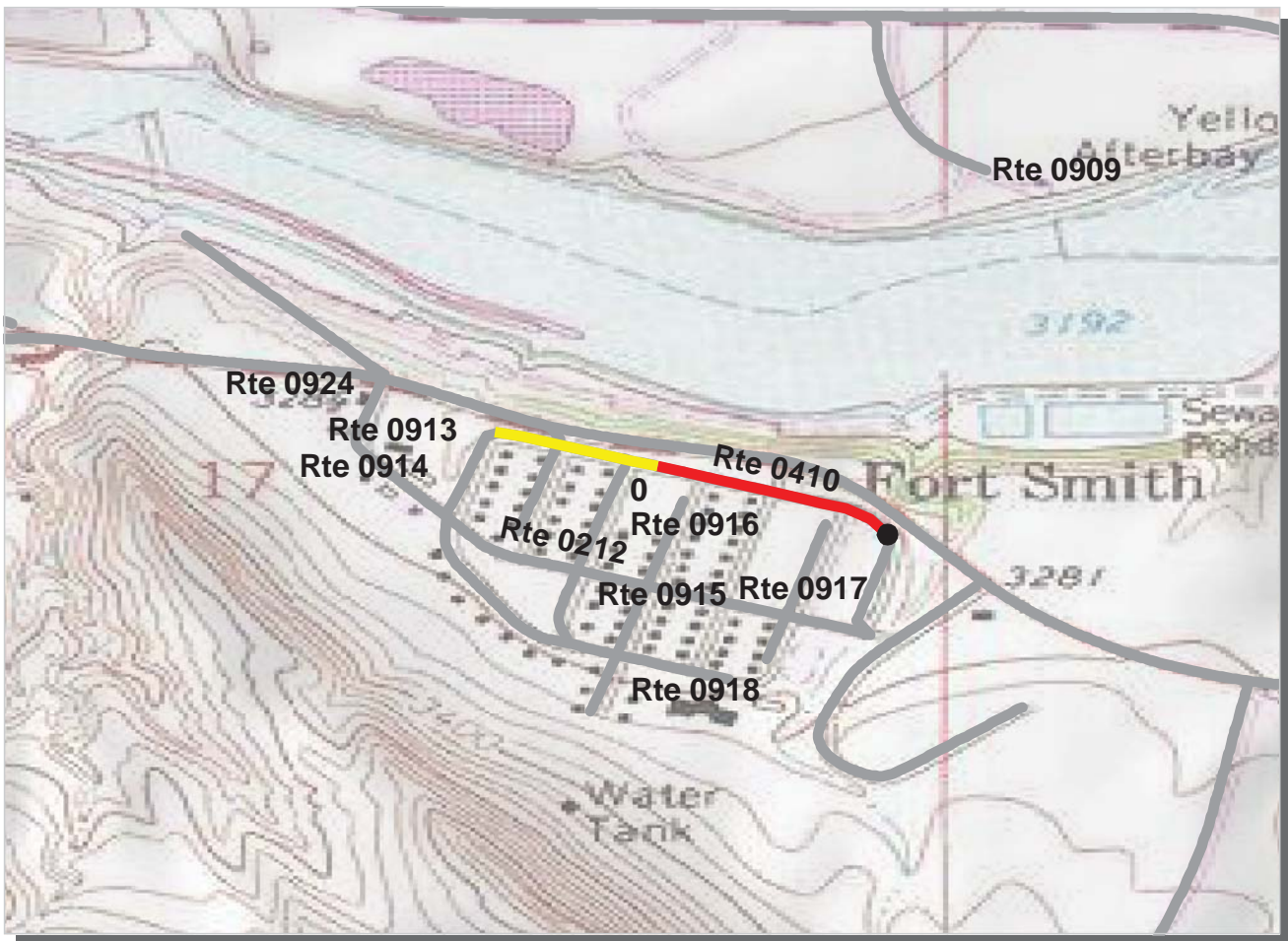
ROUTE: 0213 Ditchrider Road

TOTAL LENGTH: 0.08 Miles

Section Number	0				
Section Length (mi)	0.08				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	25				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	25				
Alligator Cracking Index	100				
Rutting Index	25				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0213 Ditchrider Road

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



Intermountain Region

BICA : Bighorn Canyon National Recreation Area

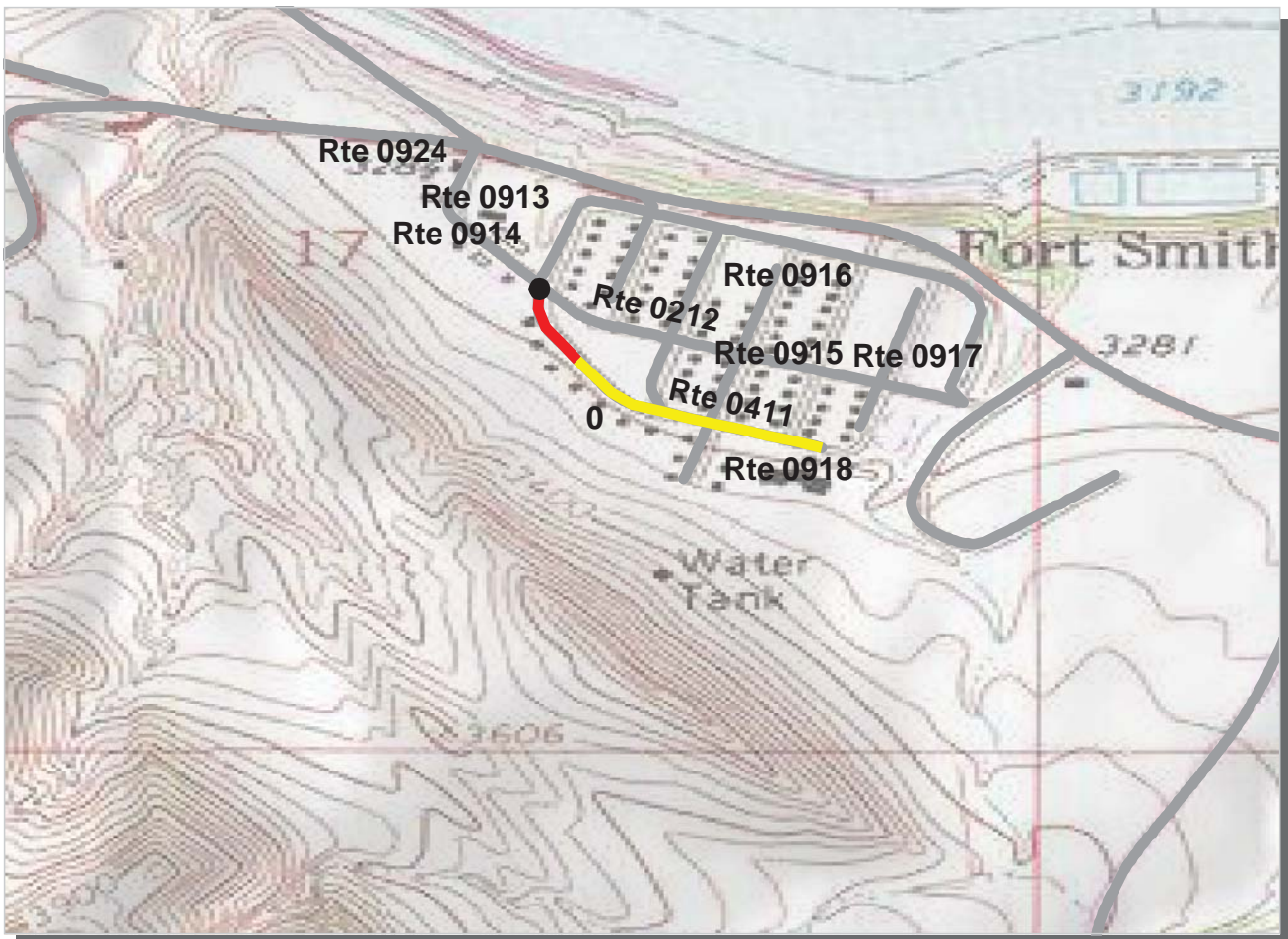
ROUTE: 0410 Avenue A

TOTAL LENGTH: 0.31 Miles

Section Number	0				
Section Length (mi)	0.31				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	56				
RCI (Roughness Condition Index)	47				
SCR (Surface Condition Rating)	57				
Alligator Cracking Index	95				
Rutting Index	65				
Patching Index	99				
Transverse Cracking Index	99				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0410 Avenue A

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR	Poor		Fair		Good		Excellent	
		(≤60)		(61 - 84)		(85 - 94)		(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Intermountain Region
BICA : Bighorn Canyon National Recreation Area

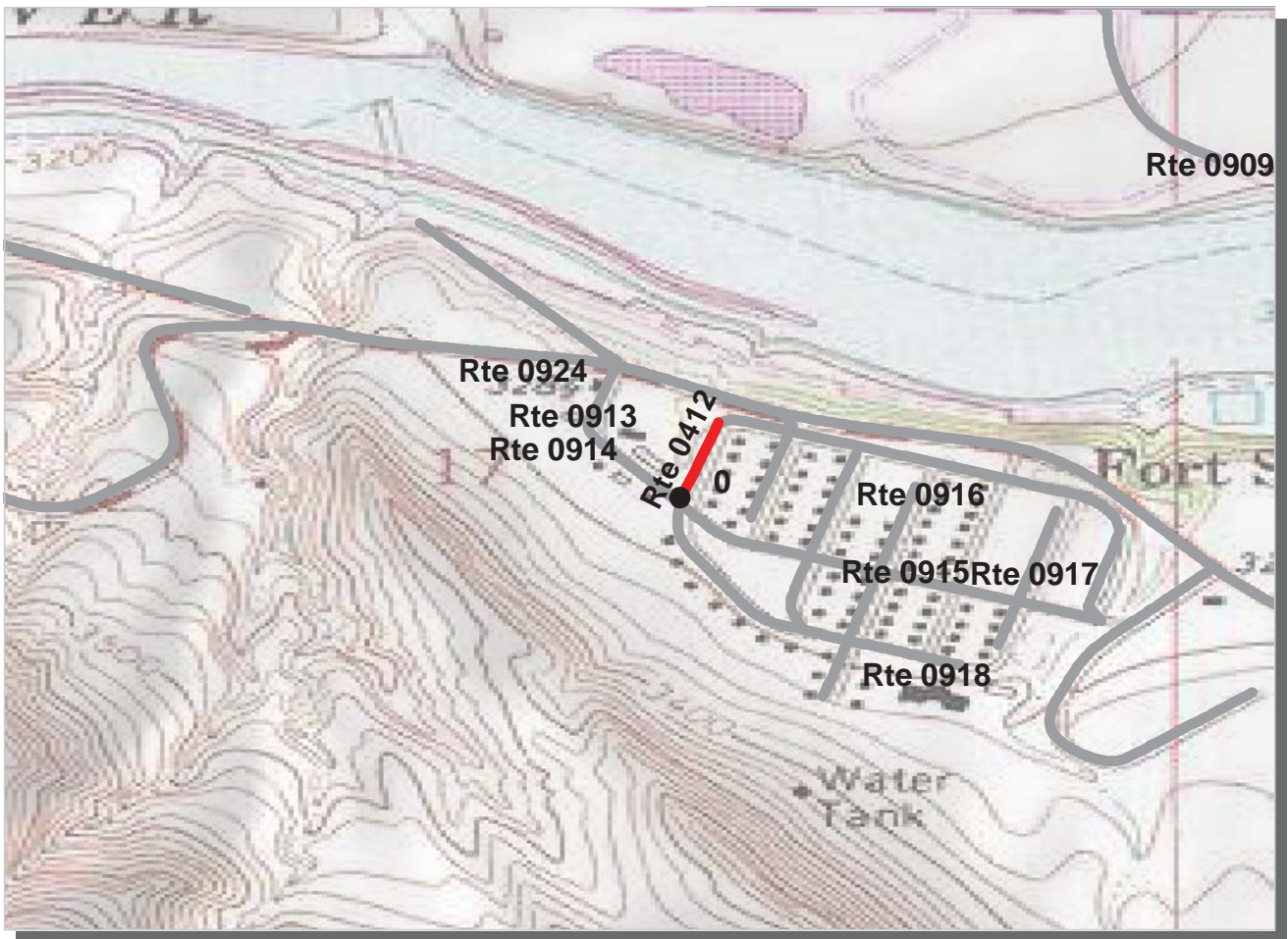
ROUTE: 0411 Avenue C **TOTAL LENGTH: 0.30 Miles**

Section Number	0				
Section Length (mi)	0.30				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	27				
Lane Width (ft)	13				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	58				
RCI (Roughness Condition Index)	65				
SCR (Surface Condition Rating)	57				
Alligator Cracking Index	99				
Rutting Index	61				
Patching Index	100				
Transverse Cracking Index	97				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0411 Avenue C

* NC designates data not collected NA designates not applicable

** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR	Poor		Fair		Good		Excellent	
		(<=60)		(61 - 84)		(85 - 94)		(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

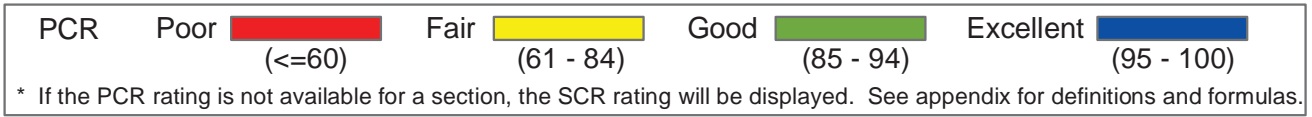
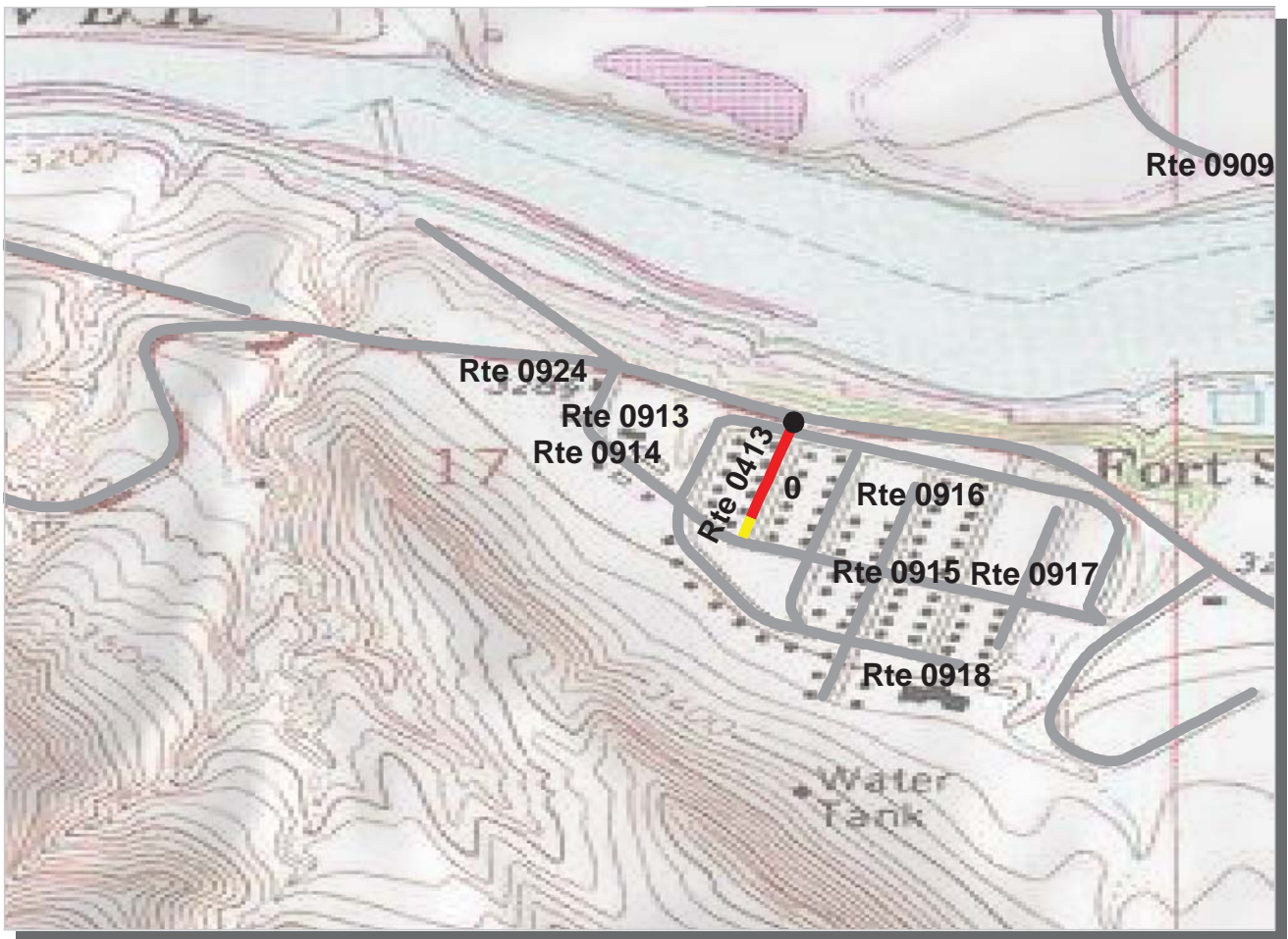
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0412 First Street **TOTAL LENGTH: 0.09 Miles**

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	30				
Lane Width (ft)	15				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	62				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	62				
Alligator Cracking Index	100				
Rutting Index	65				
Patching Index	100				
Transverse Cracking Index	98				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0412 First Street

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



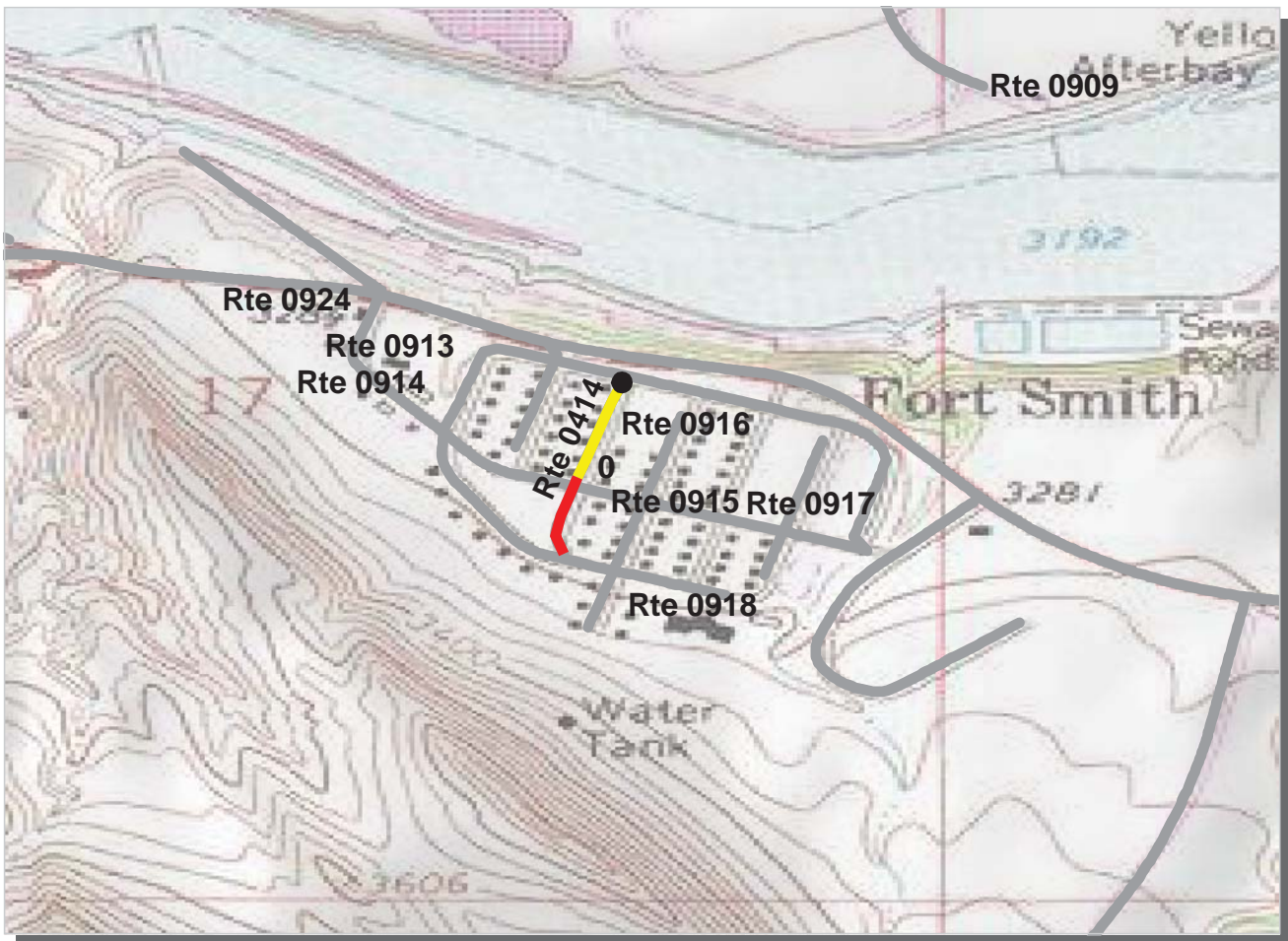
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0413 Second Street **TOTAL LENGTH: 0.13 Miles**

Section Number	0				
Section Length (mi)	0.13				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	33				
Lane Width (ft)	18				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	60				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	60				
Alligator Cracking Index	98				
Rutting Index	68				
Patching Index	100				
Transverse Cracking Index	96				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0413 Second Street

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR	Poor		Fair		Good		Excellent	
		(<=60)		(61 - 84)		(85 - 94)		(95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

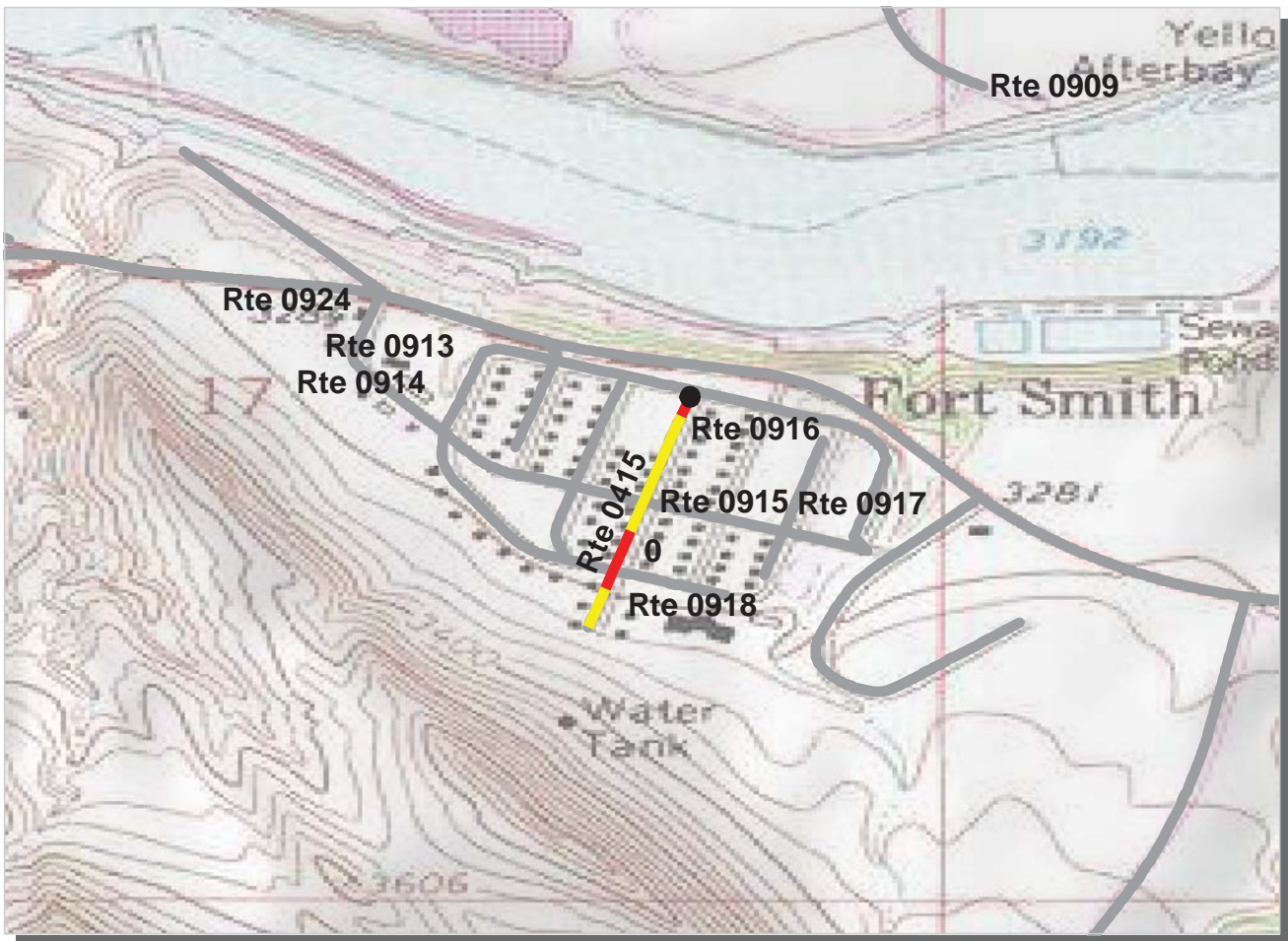
Intermountain Region
BICA : Bighorn Canyon National Recreation Area

ROUTE: 0414 Third Street **TOTAL LENGTH: 0.19 Miles**

Section Number	0				
Section Length (mi)	0.19				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	28				
Lane Width (ft)	16				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	63				
RCI (Roughness Condition Index)	51				
SCR (Surface Condition Rating)	65				
Alligator Cracking Index	99				
Rutting Index	70				
Patching Index	99				
Transverse Cracking Index	96				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0414 Third Street

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



PCR Poor ■ Fair ■ Good ■ Excellent ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Intermountain Region

BICA : Bighorn Canyon National Recreation Area

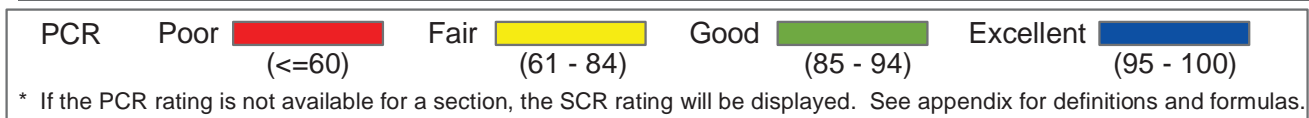
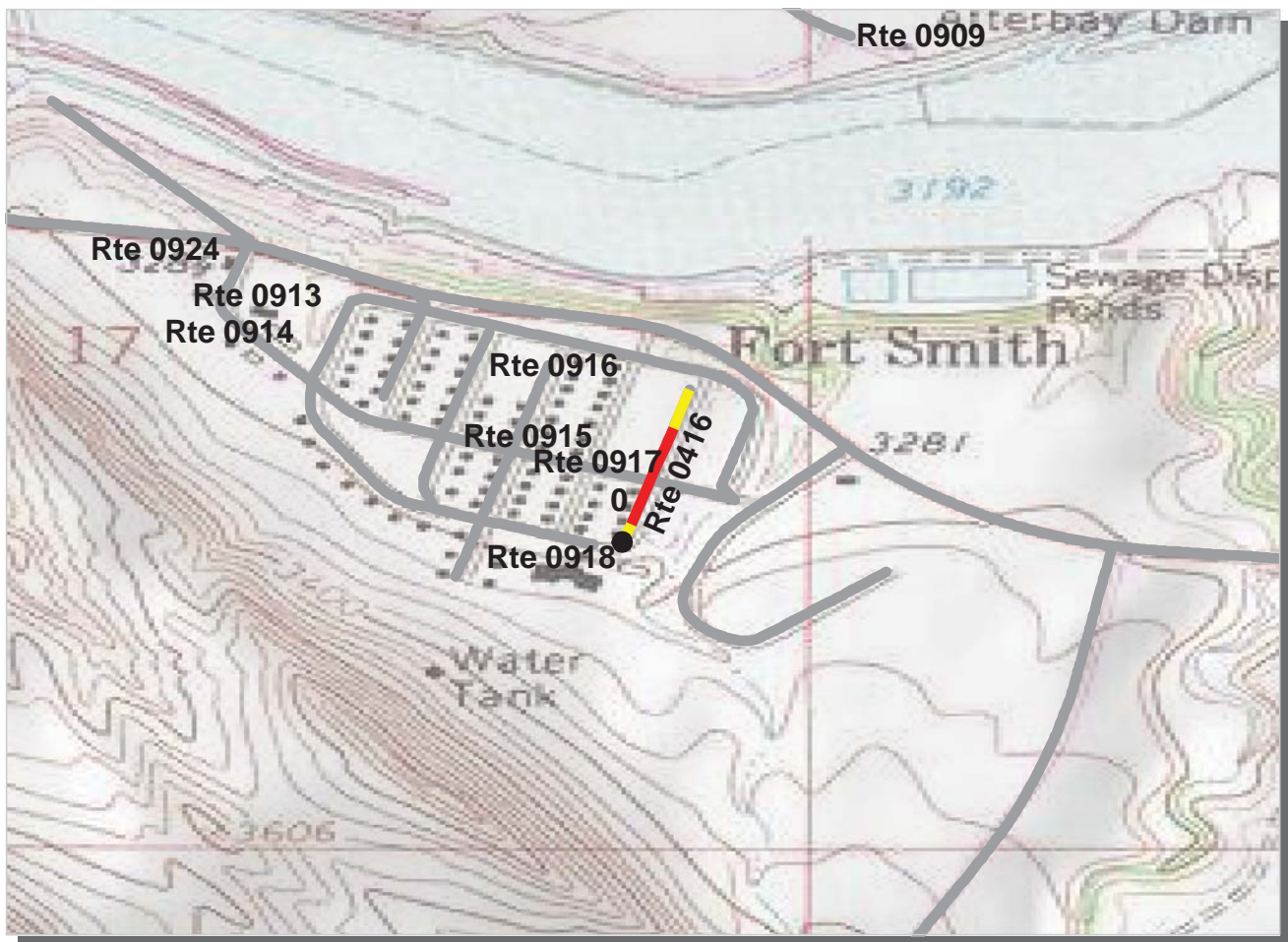
ROUTE: 0415 Fourth Street

TOTAL LENGTH: 0.25 Miles

Section Number	0			
Section Length (mi)	0.25			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	29			
Lane Width (ft)	15			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	60			
RCI (Roughness Condition Index)	56			
SCR (Surface Condition Rating)	63			
Alligator Cracking Index	99			
Rutting Index	65			
Patching Index	99			
Transverse Cracking Index	98			
Longitudinal Cracking Index	99			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0415 Fourth Street

* NC designates data not collected NA designates not applicable
 ** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



Intermountain Region

BICA : Bighorn Canyon National Recreation Area

ROUTE: 0416 Sixth Street

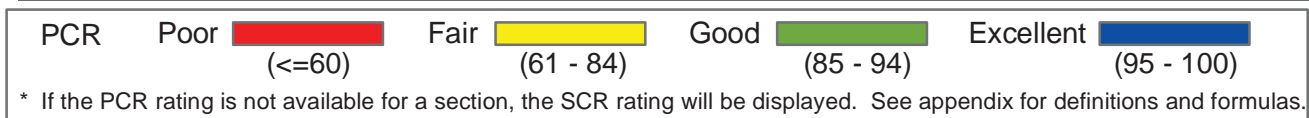
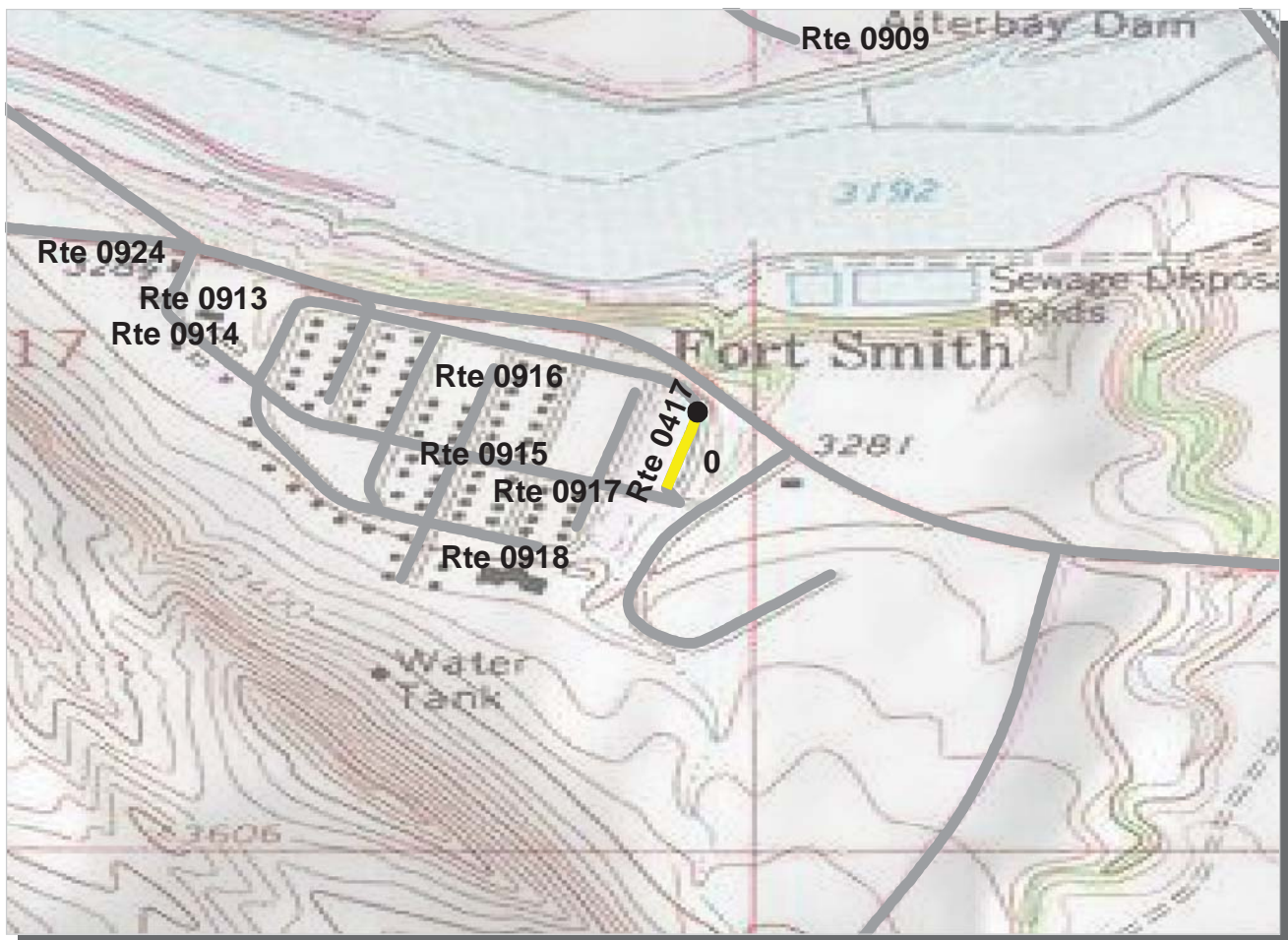
TOTAL LENGTH: 0.18 Miles

Section Number	0				
Section Length (mi)	0.18				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	29				
Lane Width (ft)	13				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	59				
RCI (Roughness Condition Index)	50				
SCR (Surface Condition Rating)	61				
Alligator Cracking Index	99				
Rutting Index	66				
Patching Index	100				
Transverse Cracking Index	97				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0416 Sixth Street

* NC designates data not collected NA designates not applicable

** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



Intermountain Region

BICA : Bighorn Canyon National Recreation Area

ROUTE: 0417 Seventh Street

TOTAL LENGTH: 0.09 Miles

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	62				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	62				
Alligator Cracking Index	100				
Rutting Index	65				
Patching Index	99				
Transverse Cracking Index	98				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0417 Seventh Street

* NC designates data not collected NA designates not applicable

** See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>

Bighorn Canyon National Recreation Area

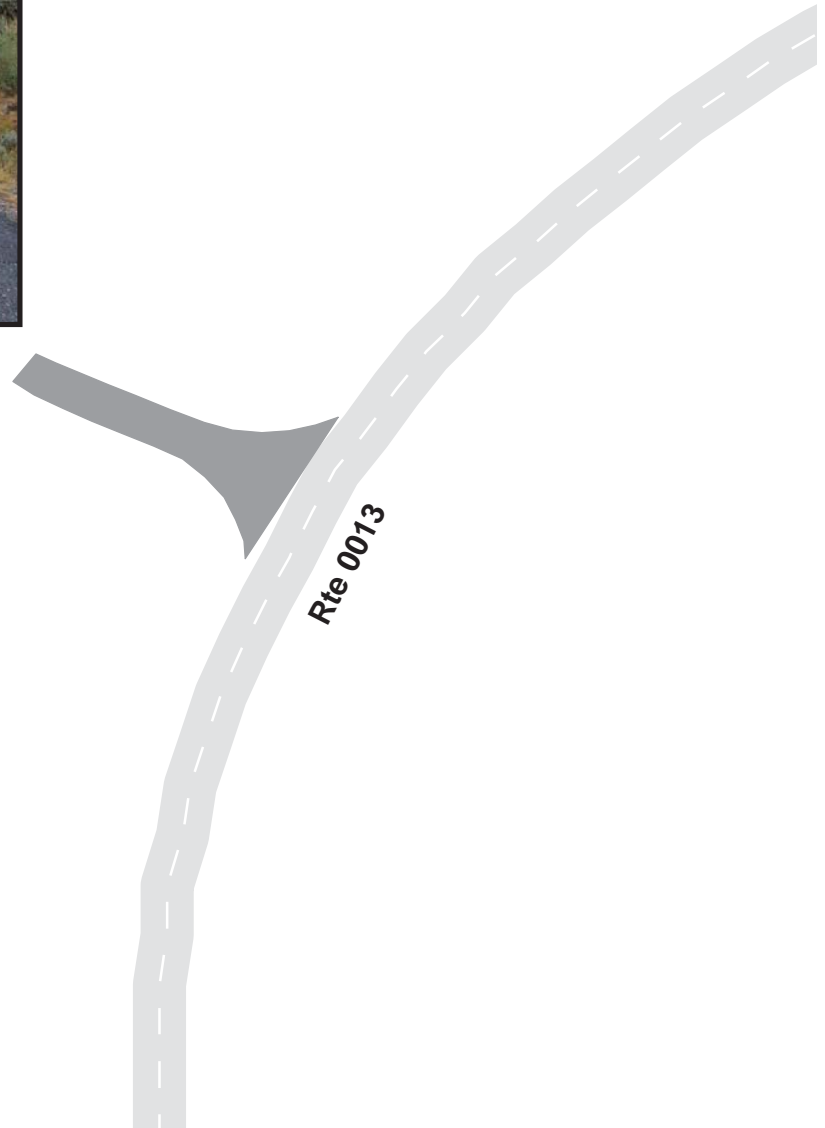
Route 0205

EWING-SNELL RANCH ROAD

From Route 0013 at MP 10.86

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0205	0.02	0.00	1564	0.03	GOOD / 90	OC

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

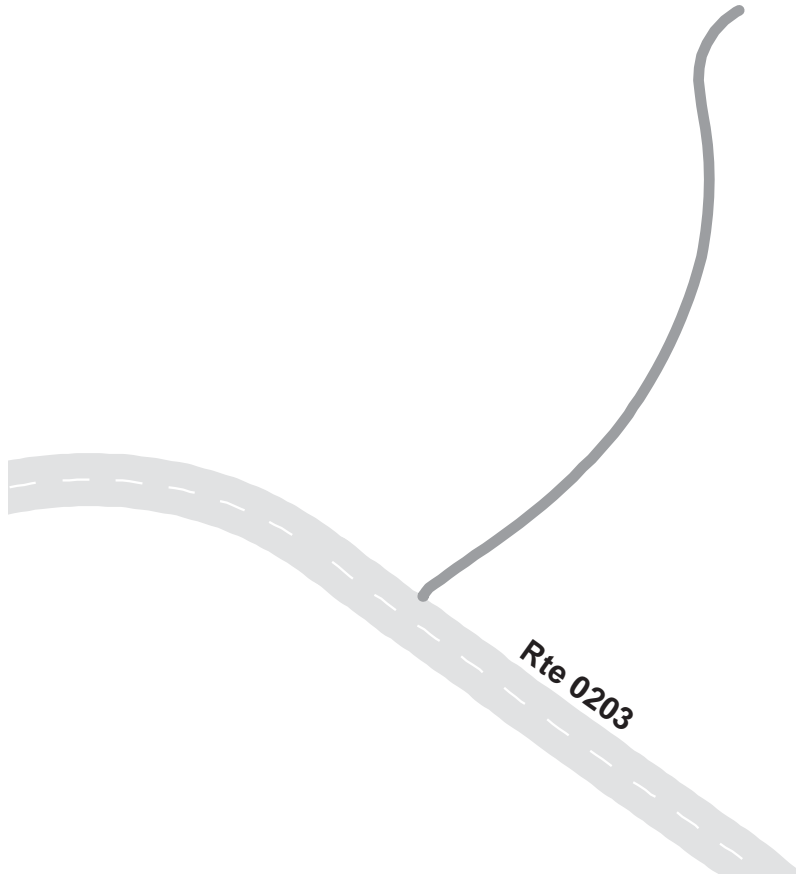
Route 0207

HORSE SHOE BEND CAMPGROUND

From Route 0203 at MP 1.35

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0207	1.37	17.00	123330	2.12	POOR / 45	OC

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

Route 0209

M. L. RANCH ROAD SOUTH UNIT

From US 14A

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0209	0.03	0.00	3469	0.06	POOR / 45	AS

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

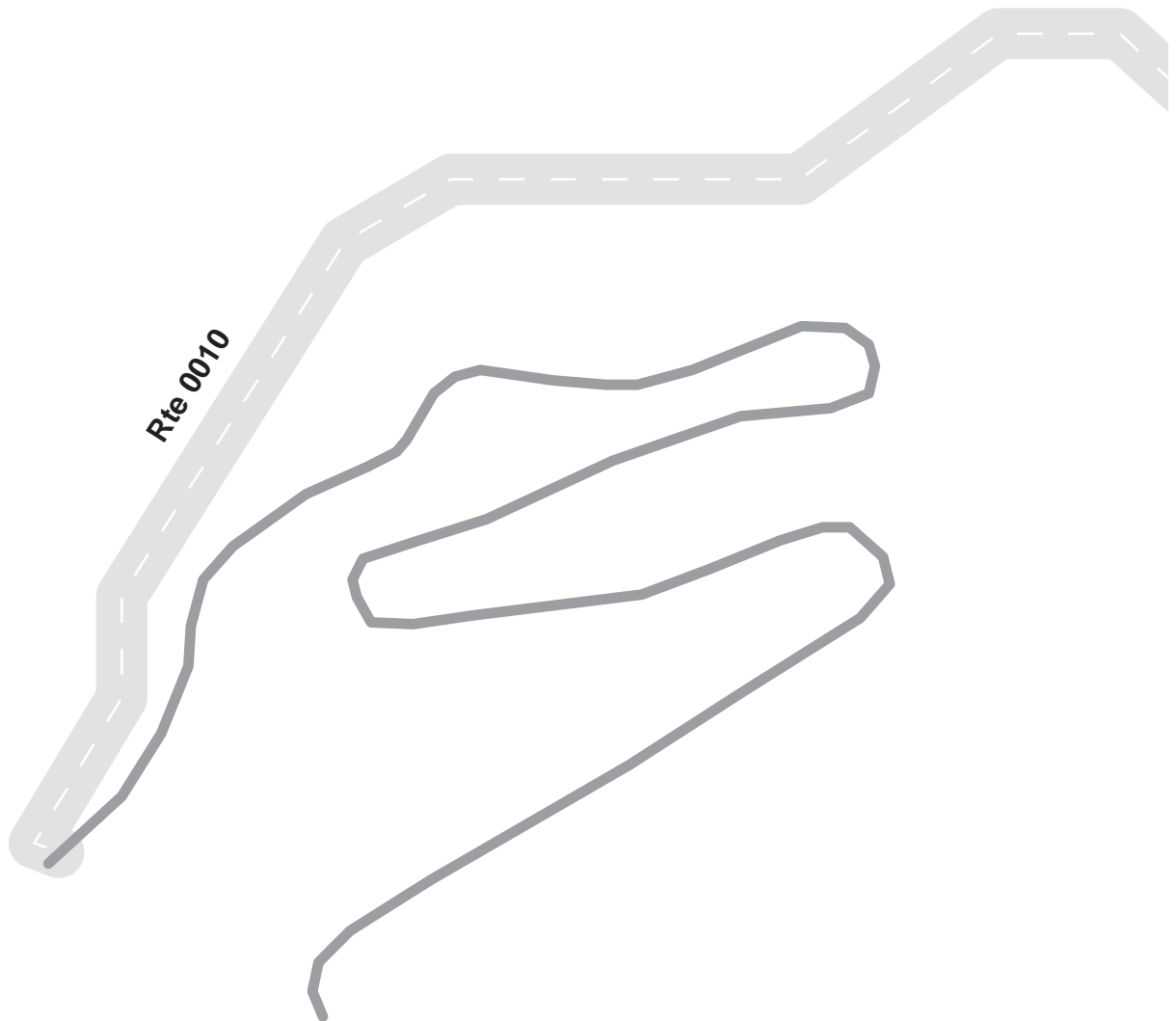
Route 0210

WAPPA UPPER SWITCHYARD

From Route 0010 at MP 5.30

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0210	0.84	21.00	93361	1.61	NC / -1	AS

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

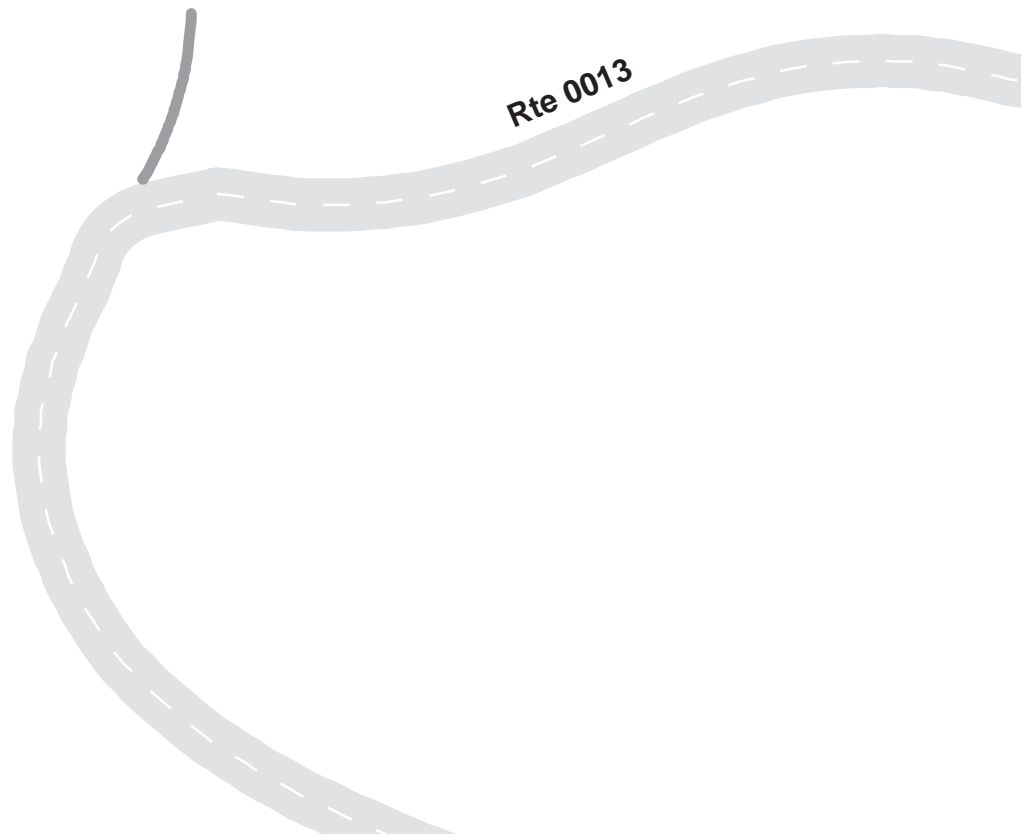
Route 0218

LOCKHART RANCH ACCESS ROAD

From Route 0013 at MP 13.45

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0218	0.05	53.00	12593	0.22	FAIR / 73	OC

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

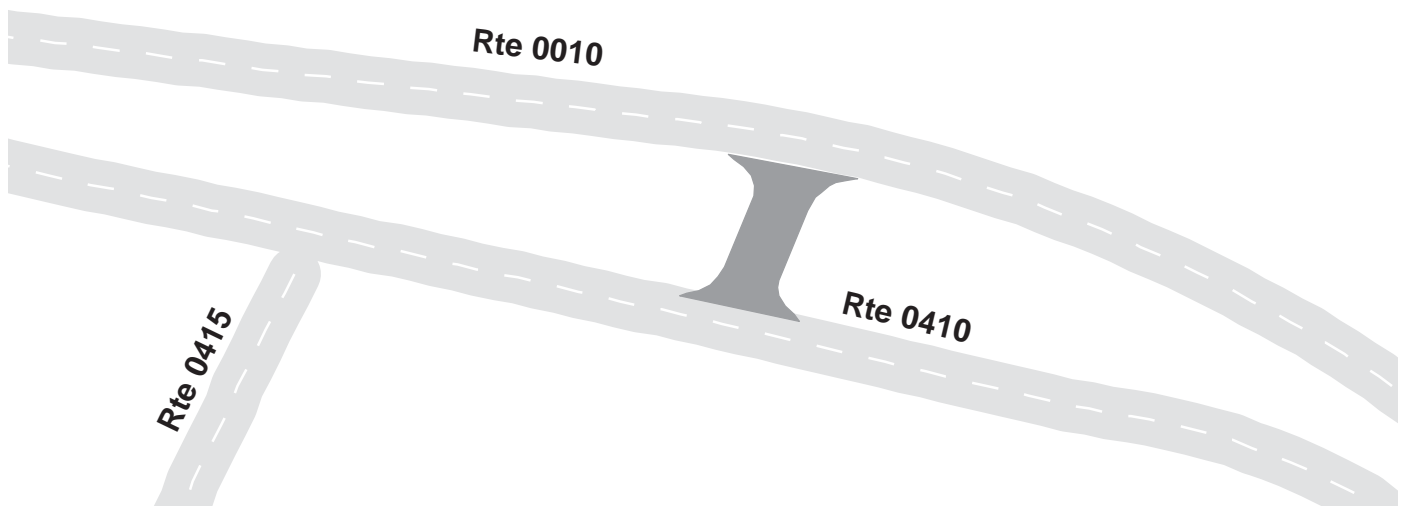
Route 0419

AVENUE A ACCESS ROAD

From Route 0010

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0419	0.05	0.00	5403	0.09	EXCELLENT / 97	OC

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

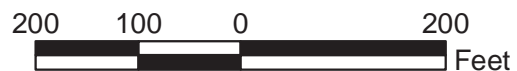
Route 0900

VISITOR CENTER PARKING

Adjacent To Route 0010 at MP 5.25

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900	Public	9/15/2001	27703	0.48	OC	GOOD / 90

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

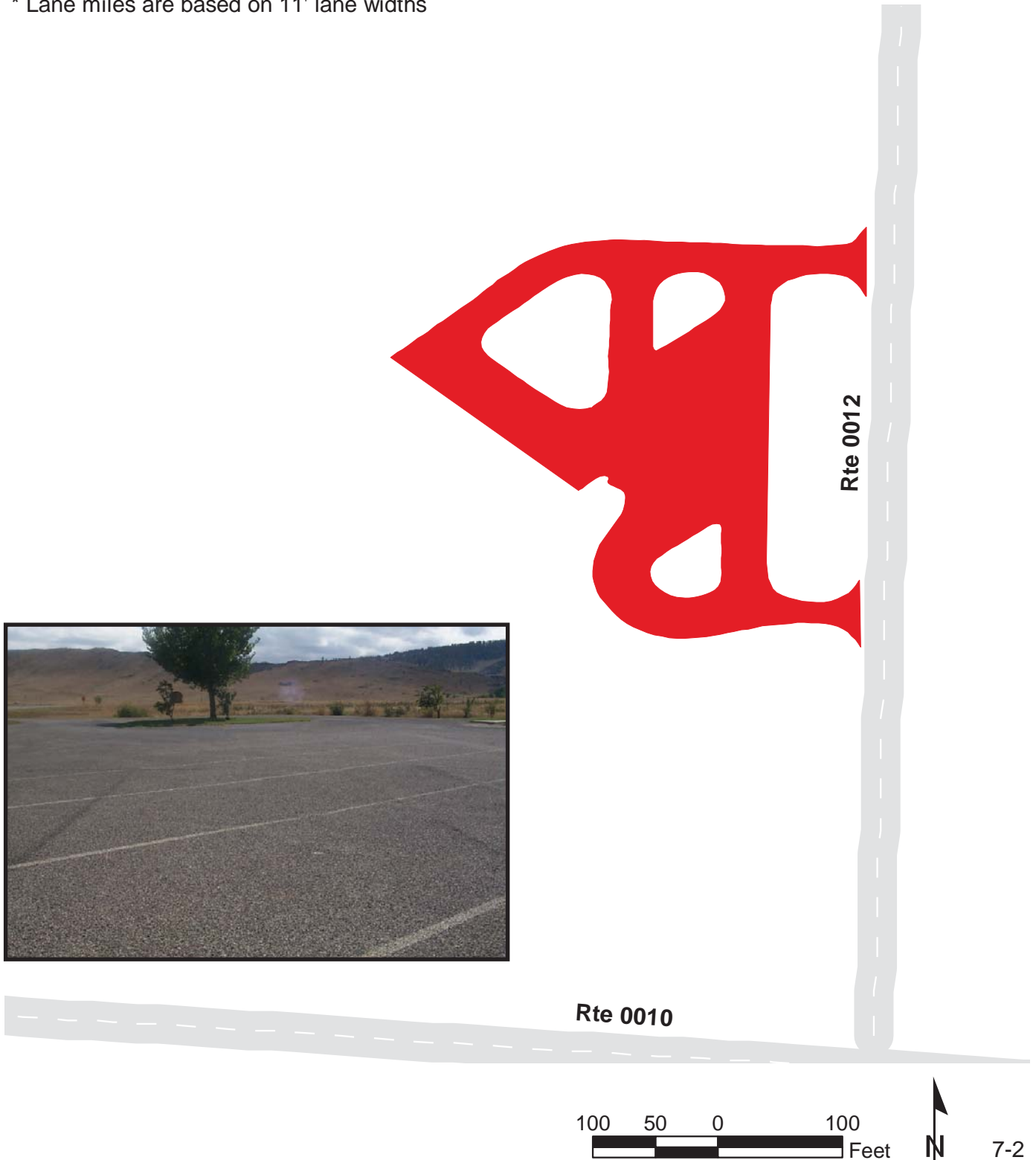
Route 0901

LOWER VISITOR CENTER PARKING

Adjacent To Route 0012 at MP 0.1

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	Public	9/15/2001	36496	0.63	OC	GOOD / 90

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

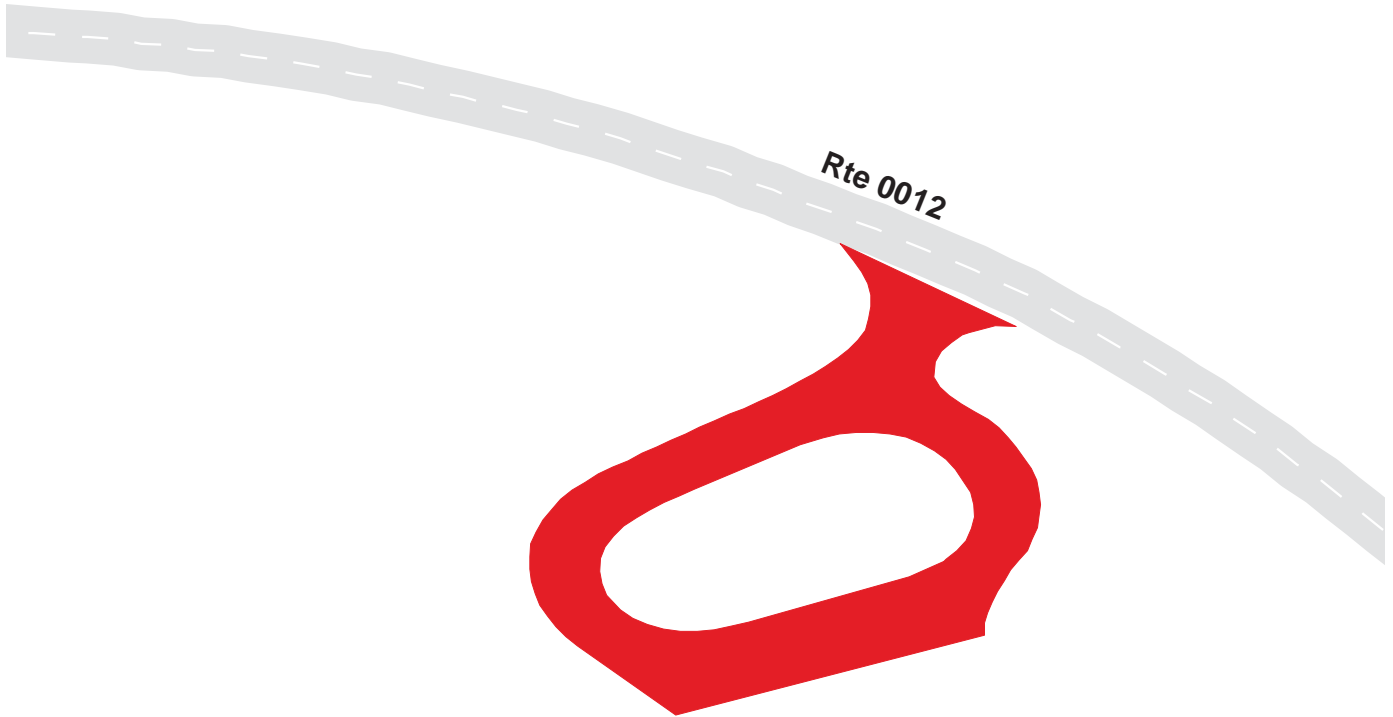
Route 0902

AFTER BAY OVERLOOK

Adjacent To Route 0012 at MP 0.71

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902	Public	9/15/2001	26099	0.45	OC	EXCELLENT / 97

* Lane miles are based on 11' lane widths



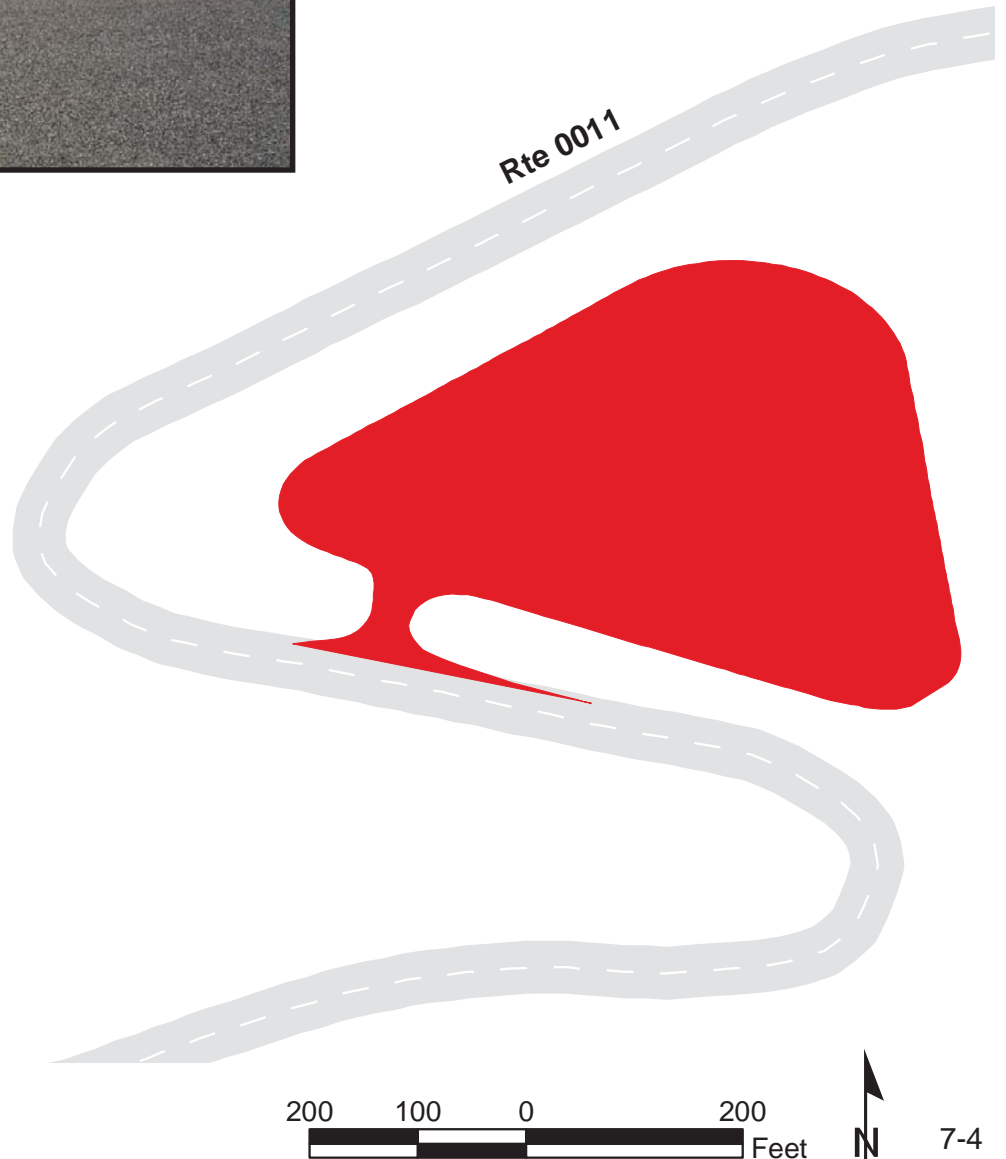
Bighorn Canyon National Recreation Area

Route 0903

UPPER OK-A-BEH PARKING
Adjacent To Route 0011 at MP 9.1

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903	Public	9/15/2001	120872	2.08	OC	GOOD / 90

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

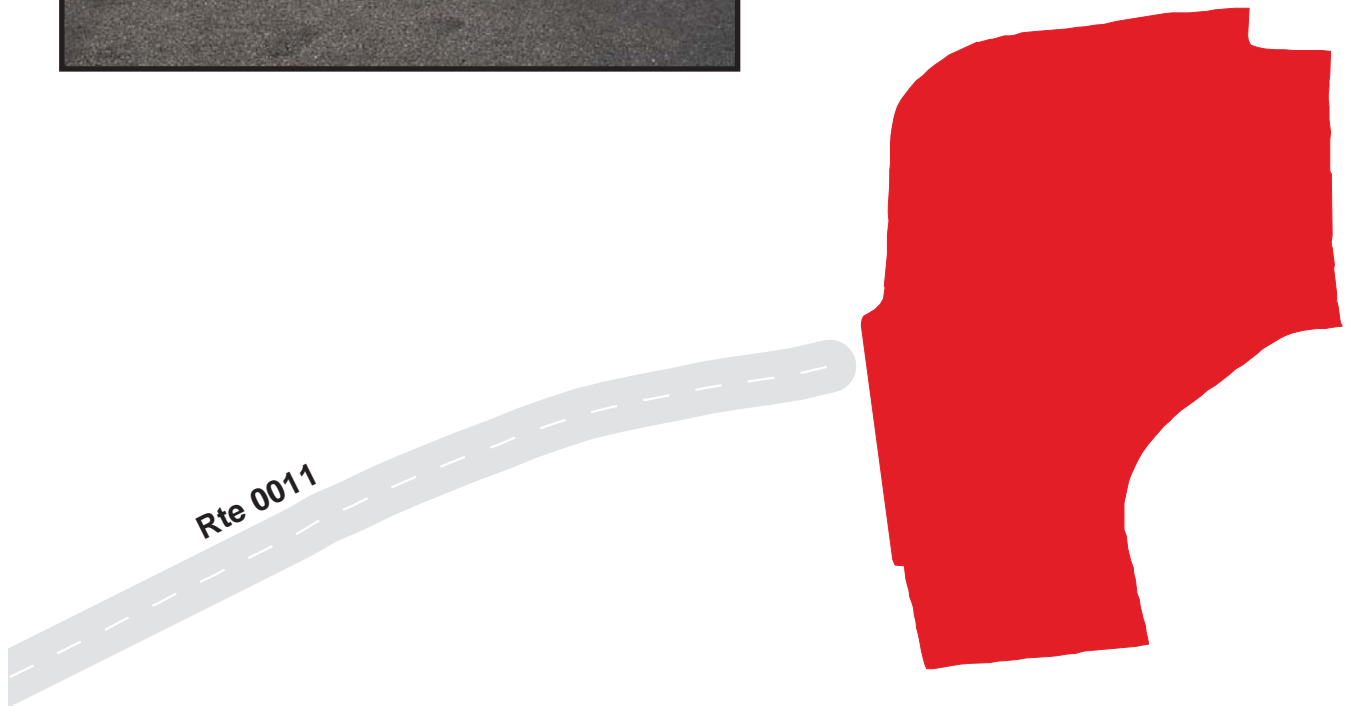
Route 0904

LOWER OK-A-BEH PARKING

At End of Route 0011

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904	Public	9/15/2001	53642	0.92	OC	GOOD / 90

* Lane miles are based on 11' lane widths



100 50 0 100 Feet



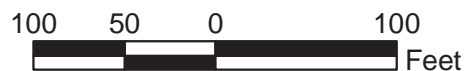
Bighorn Canyon National Recreation Area

Route 0905

OK-A-BEH OVERLOOK PARKING
Adjacent To Route 0011 at MP 8.57

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905	Public	9/15/2001	23343	0.40	OC	FAIR / 73

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

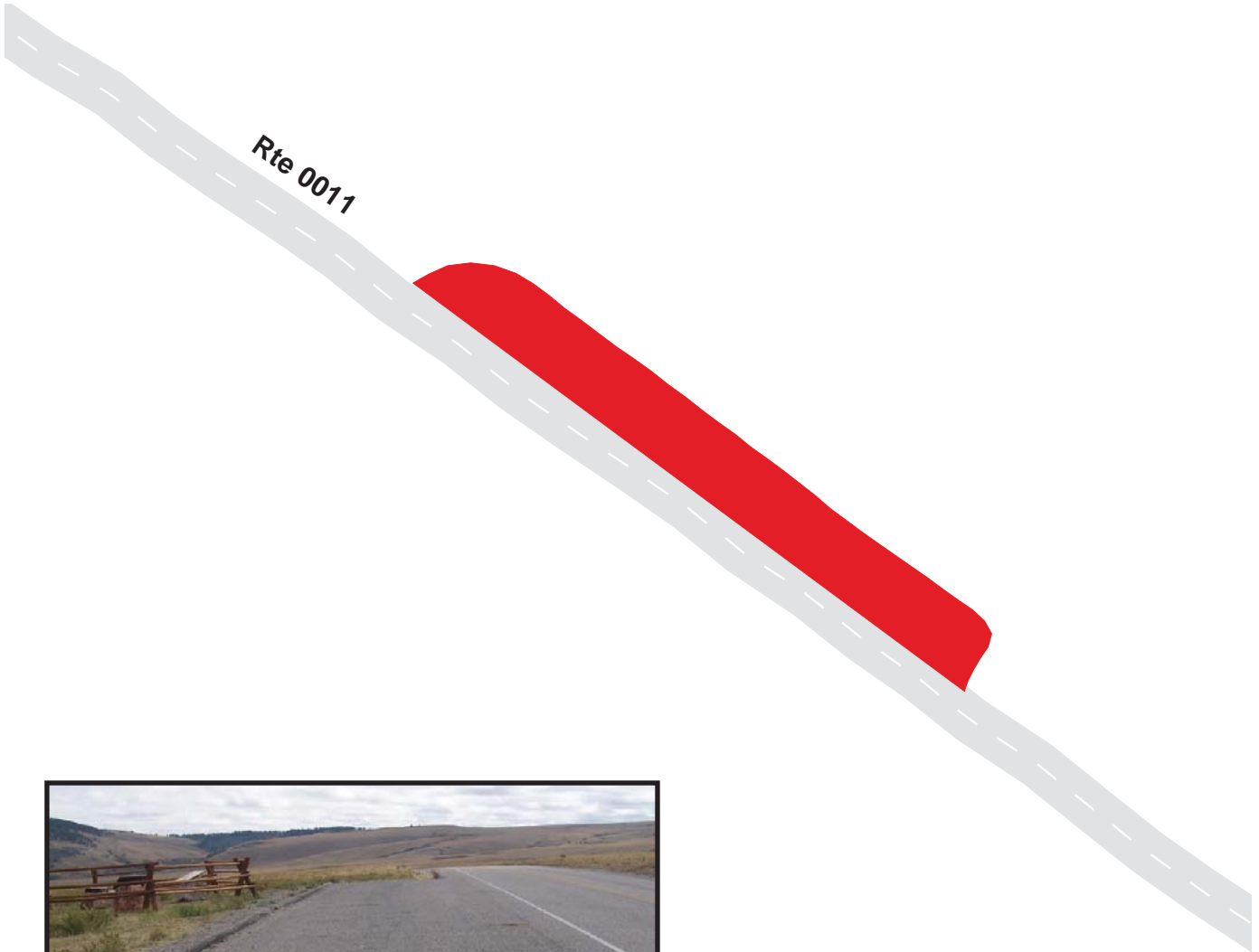
Route 0906

OK-A-BEH EXHIBIT PARKING

Adjacent To Route 0011 at MP 4.55

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	Public	9/15/2001	2088	0.04	OC	EXCELLENT / 97

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

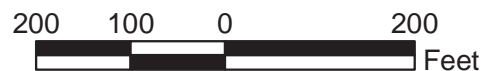
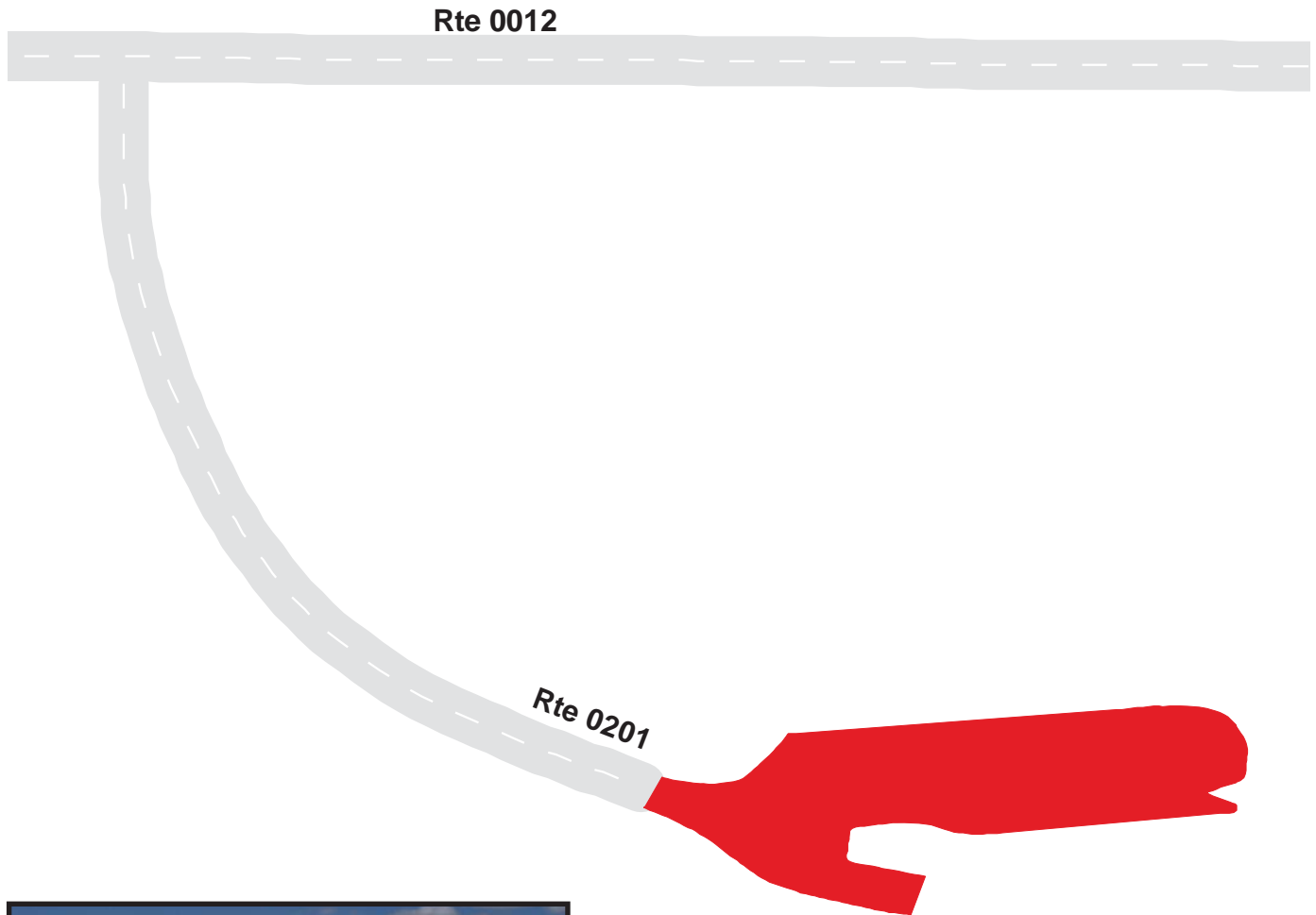
Route 0909

BOAT RAMP PARKING

At End of Route 0201

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0909	Public	9/15/2001	57731	0.99	OC	EXCELLENT / 97

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

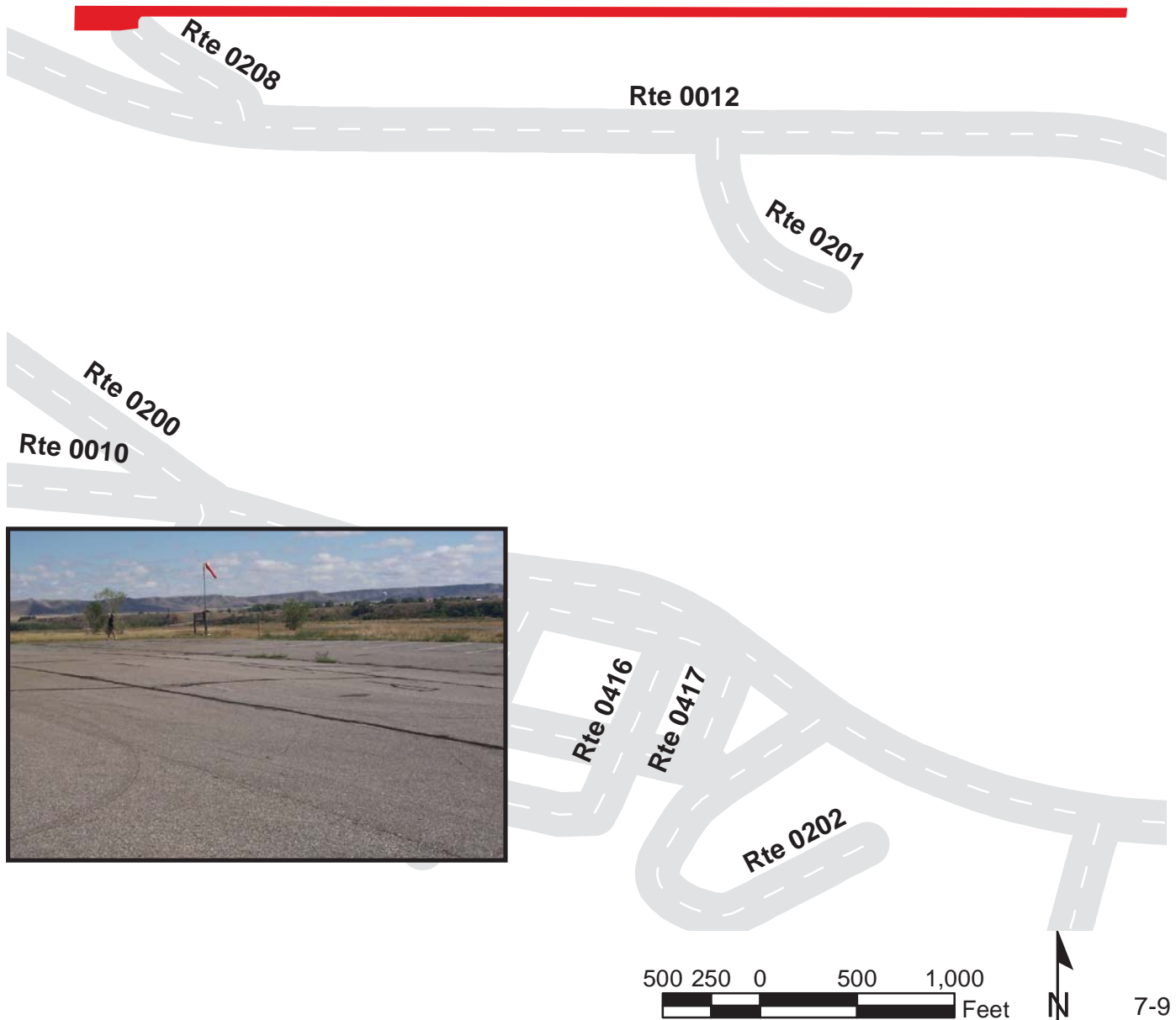
Route 0911

AIRSTRIP AND PARKING

At End of Route 0208

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0911	Public	9/15/2001	197542	3.40	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

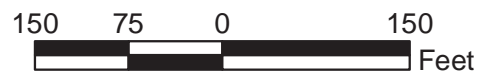
Route 0913

PARK HEADQUARTERS PARKING

Adjacent To Route 0212

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	Public	9/15/2001	19643	0.34	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

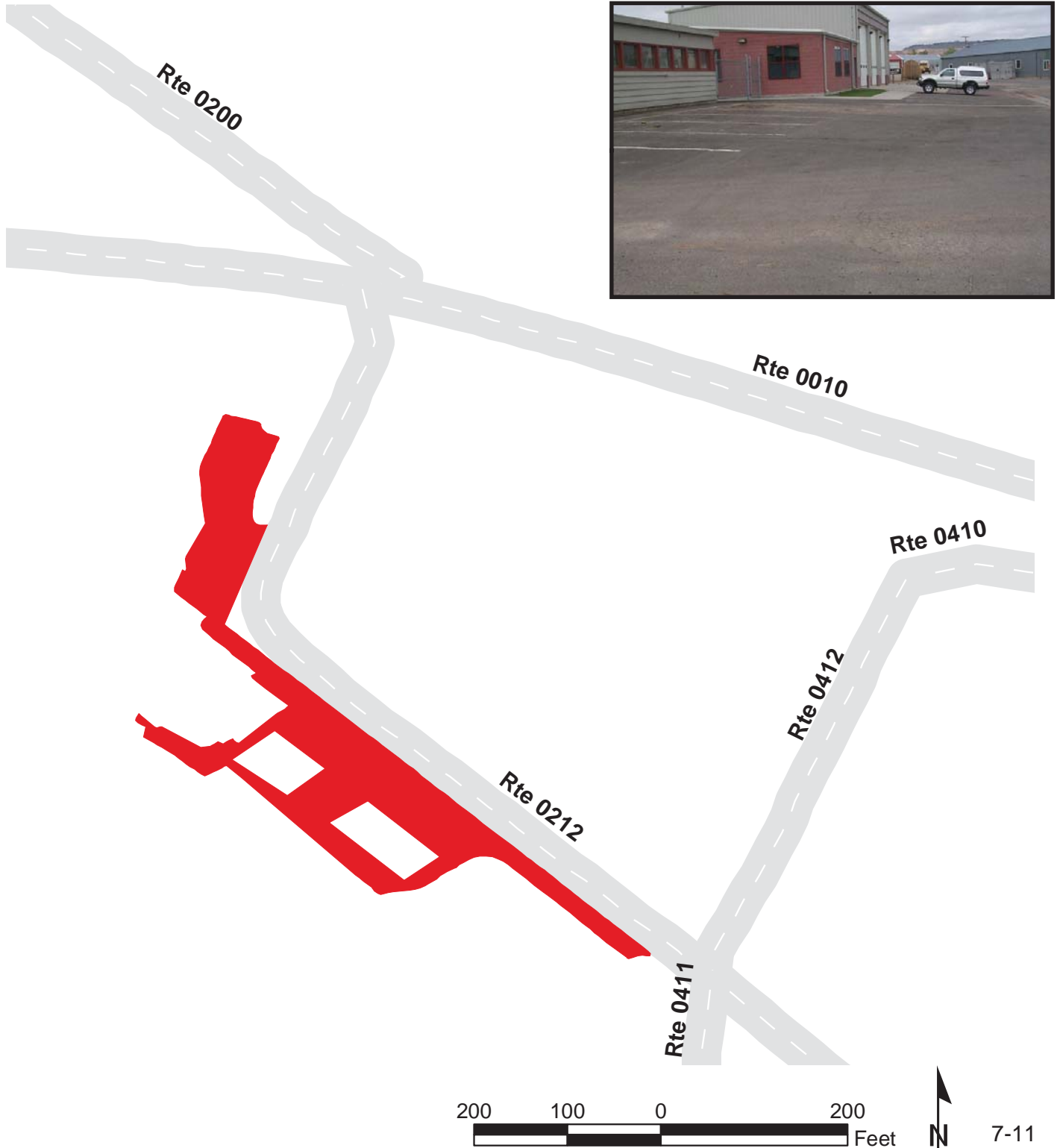
Route 0914

MAINTENANCE PARKING

Adjacent To Route 0212

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	NonPublic	9/15/2001	32536	0.56	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

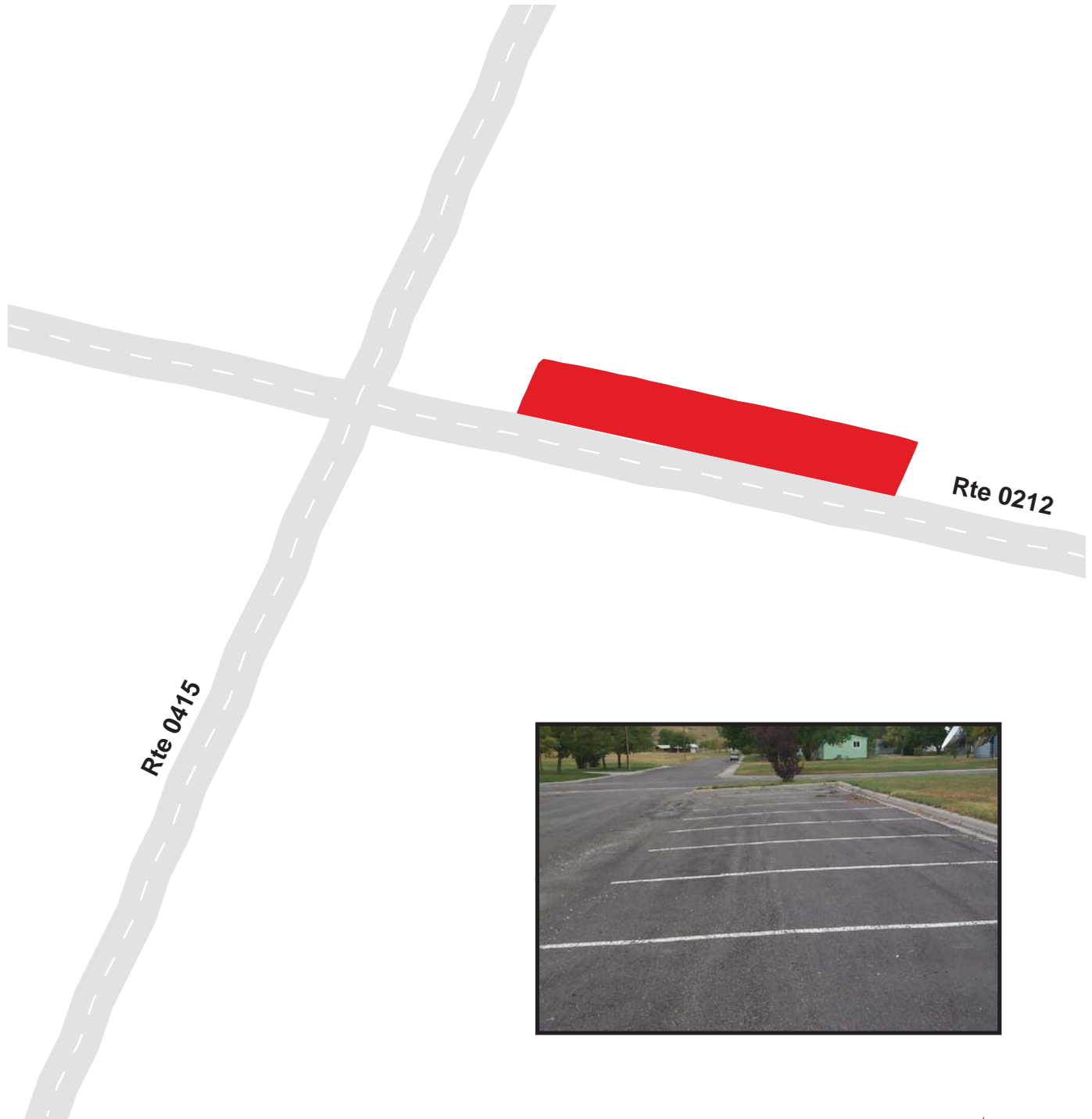
Route 0915

BALLFIELD PARKING A

Adjacent To Route 0212 at MP 0.35

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0915	Public	9/15/2001	2416	0.04	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

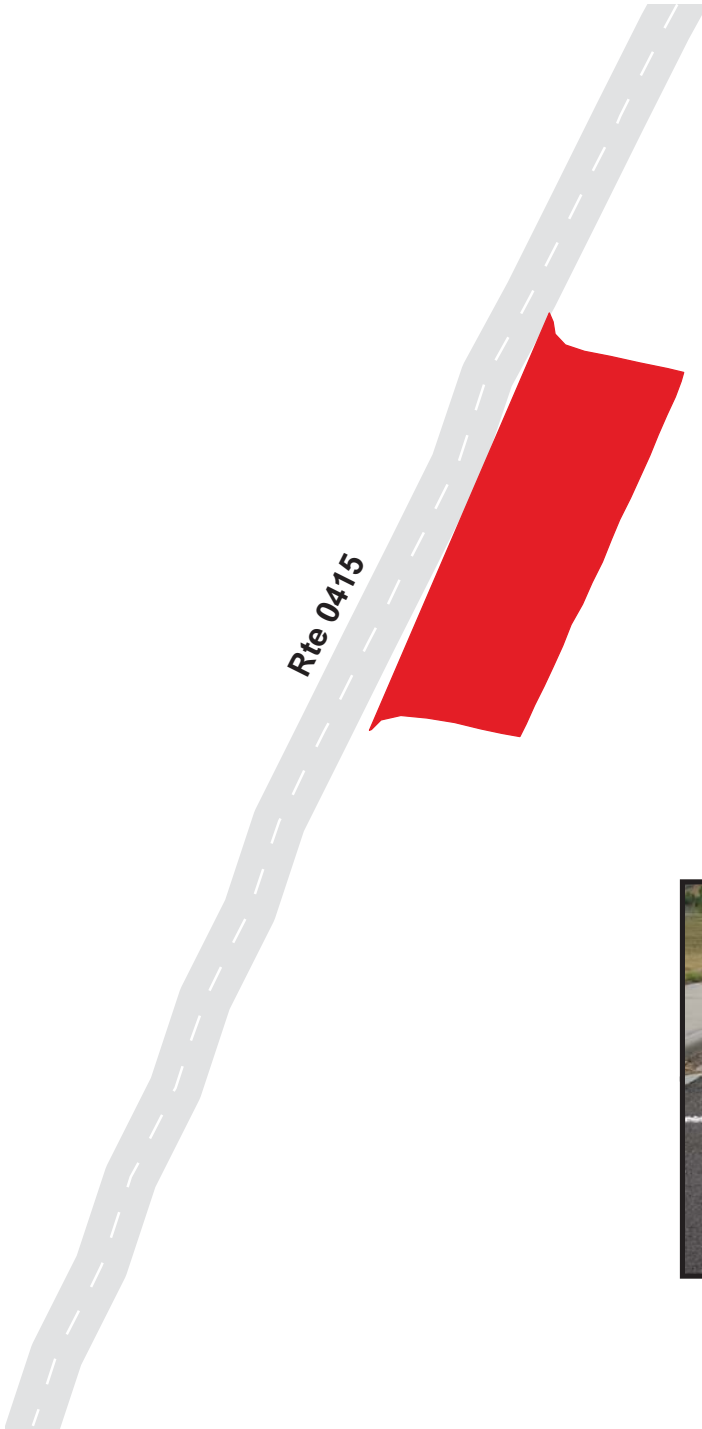
Route 0916

BALLFIELD PARKING B

Adjacent To Route 0415

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916	Public	9/15/2001	1461	0.03	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

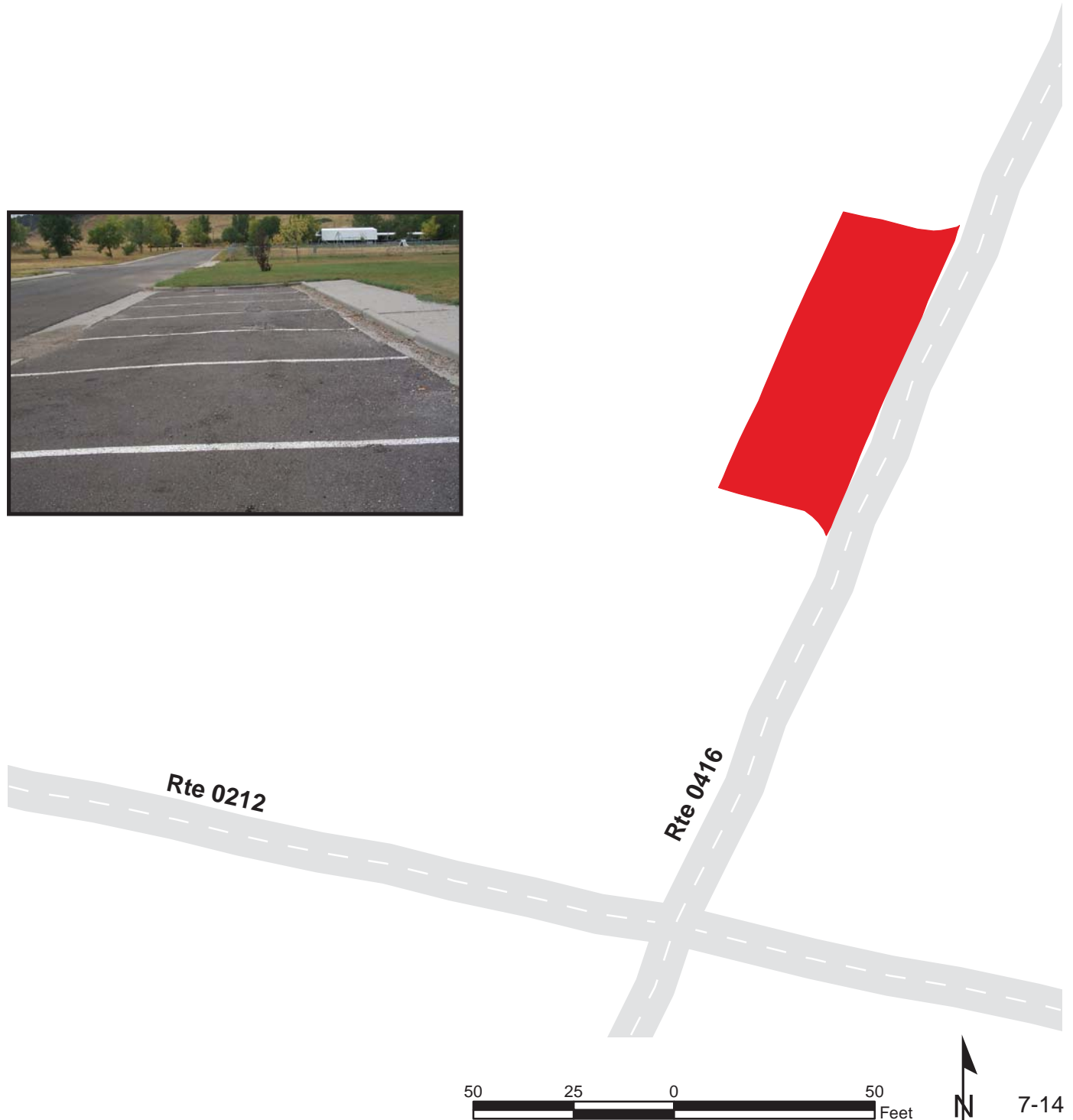
Route 0917

BALLFIELD PARKING C

Adjacent To Route 0416

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0917	Public	9/15/2001	1553	0.03	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

Route 0918

SCHOOL PARKING
Adjacent To Route 0411

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0918	Public	9/14/2001	10622	0.18	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

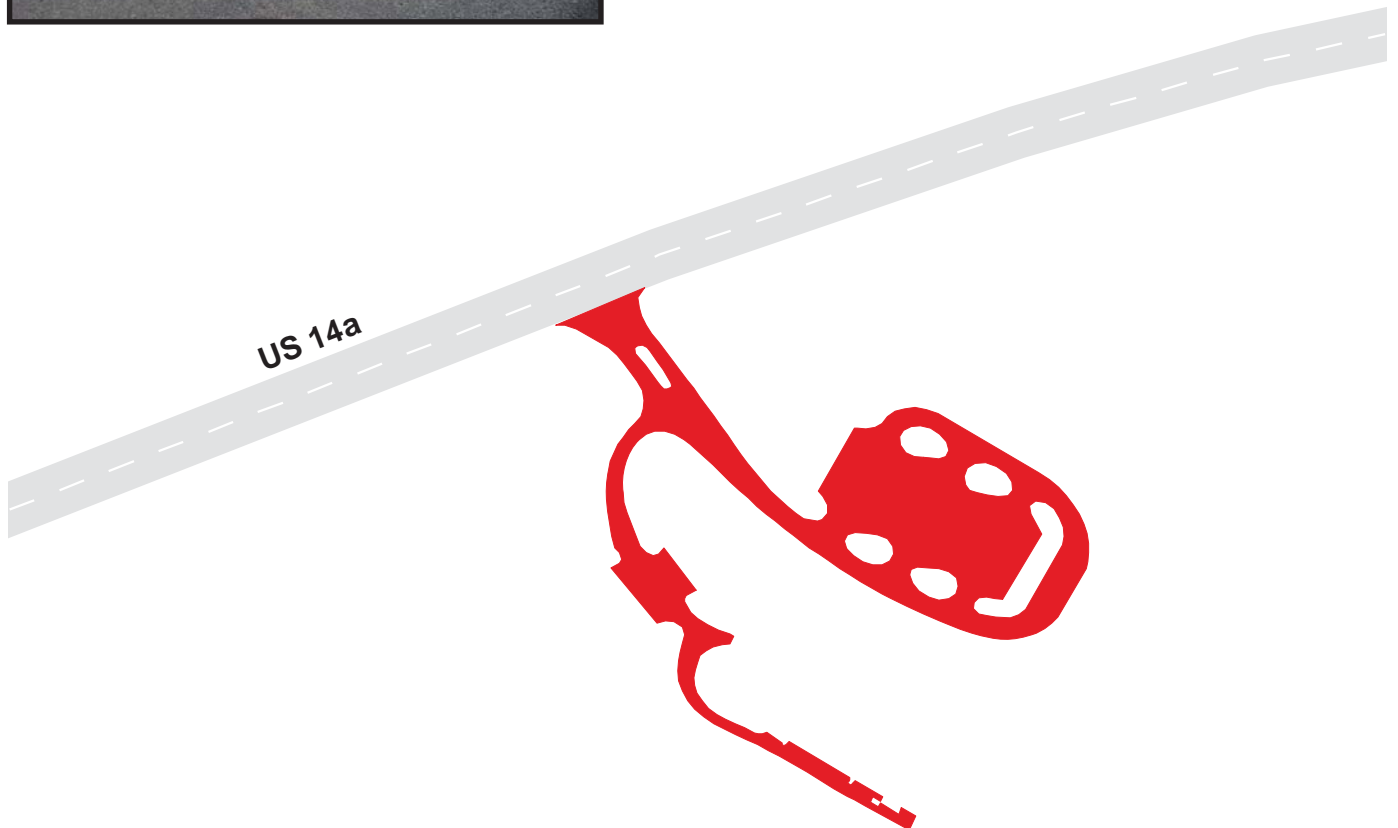
Route 0919

LOVELL VISITORS CENTER PARKING

Adjacent to US 14a

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	Public	9/14/2001	56112	0.97	OC	FAIR / 73

* Lane miles are based on 11' lane widths



300 150 0 300 Feet



Bighorn Canyon National Recreation Area

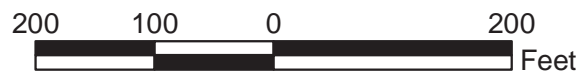
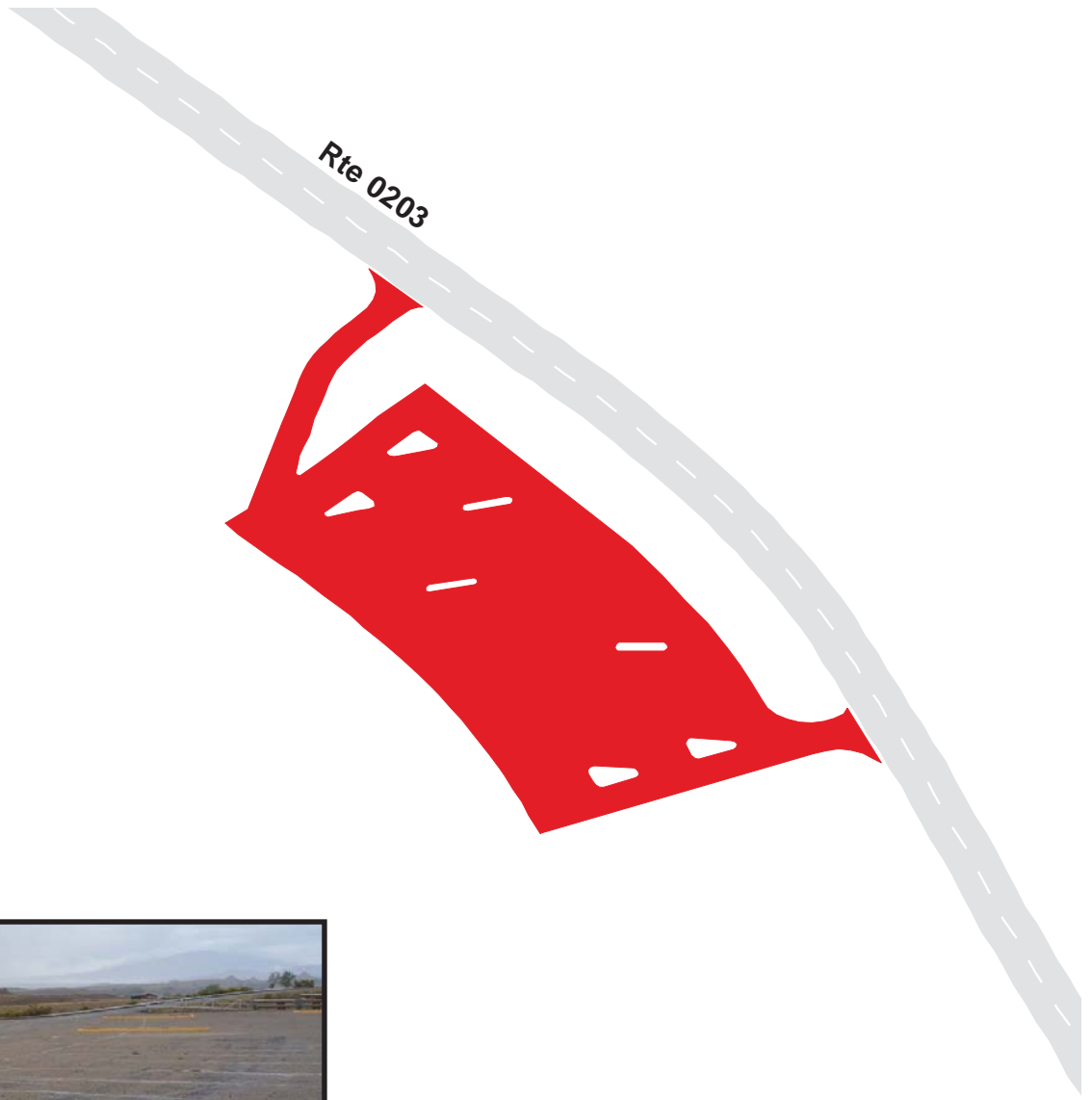
Route 0920

HORSESHOE BEND PARKING

Adjacent To Route 0203 at MP 1.5

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	Public	9/14/2001	66870	1.15	OC	POOR / 45

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

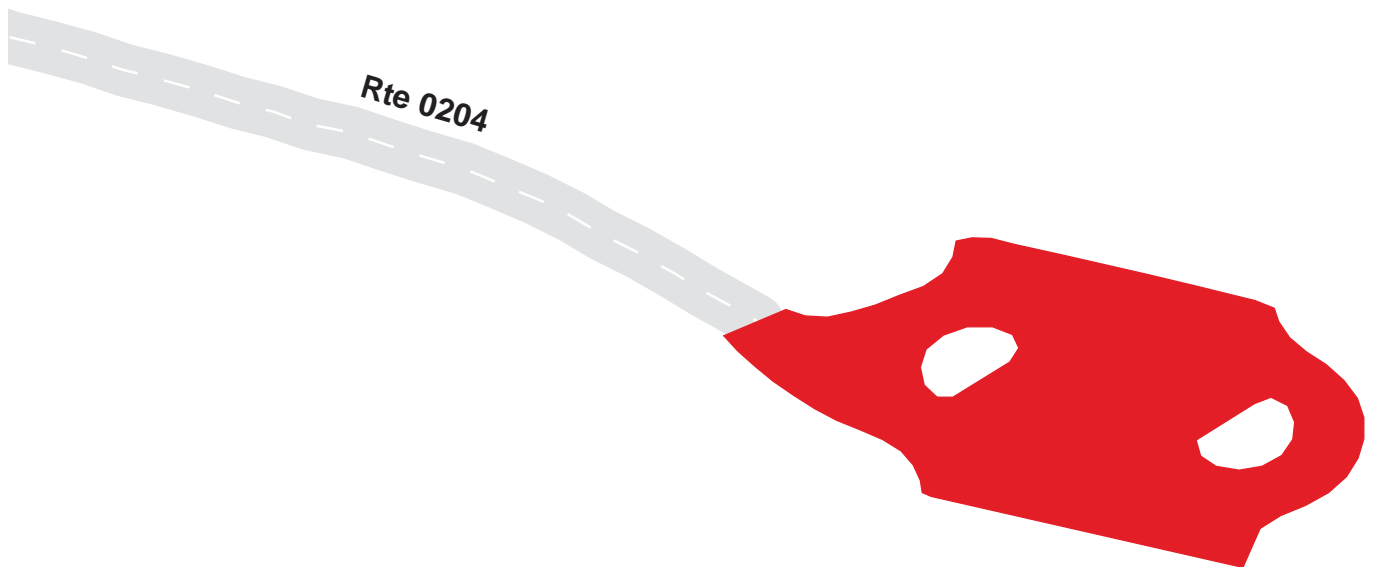
Route 0921

DEVIL'S CANYON OVERLOOK PARKING

At End of Route 0204

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	9/14/2001	17607	0.30	OC	POOR / 45

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

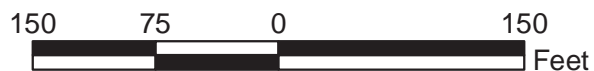
Route 0924

BUREAU OF RECLAMATION PARKING

Adjacent to 0010 at MP 4

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924	Public	9/14/2001	15231	0.26	OC	GOOD / 90

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

Route 0925

BAD PASS PARKING B

Adjacent to Route 0013 at MP 7.5

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0925	Public	9/14/2001	11777	0.20	OC	POOR / 45

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

Route 0926

BAD PASS PARKING A

Adjacent to Route 0013 at MP 7.15

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0926	Public	9/14/2001	15548	0.27	OC	FAIR / 73

* Lane miles are based on 11' lane widths



150 75 0 150 Feet



Bighorn Canyon National Recreation Area

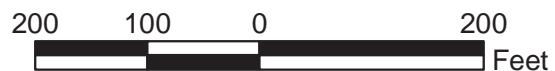
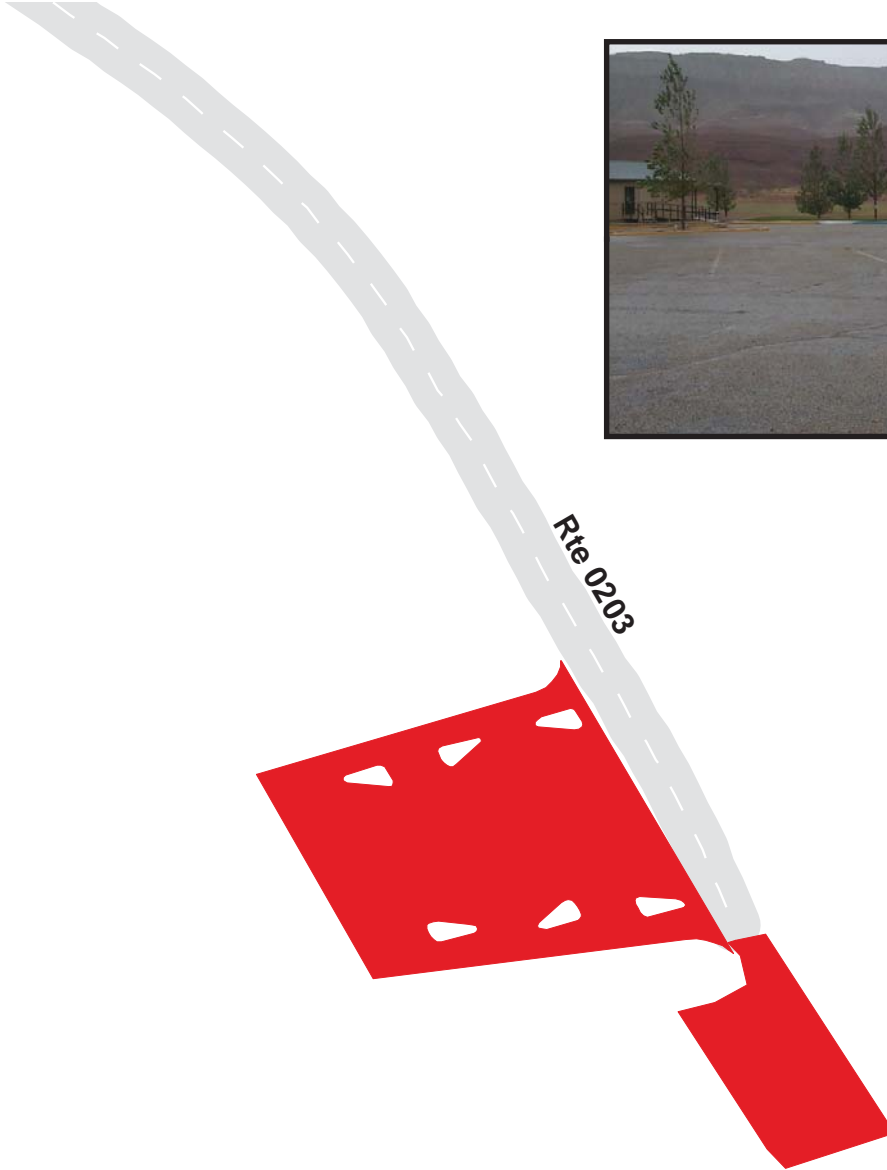
Route 0927

HORSESHOE BEND MARINA PARKING

At End of Route 0203

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927	Public	9/14/2001	59589	1.03	OC	POOR / 45

* Lane miles are based on 11' lane widths



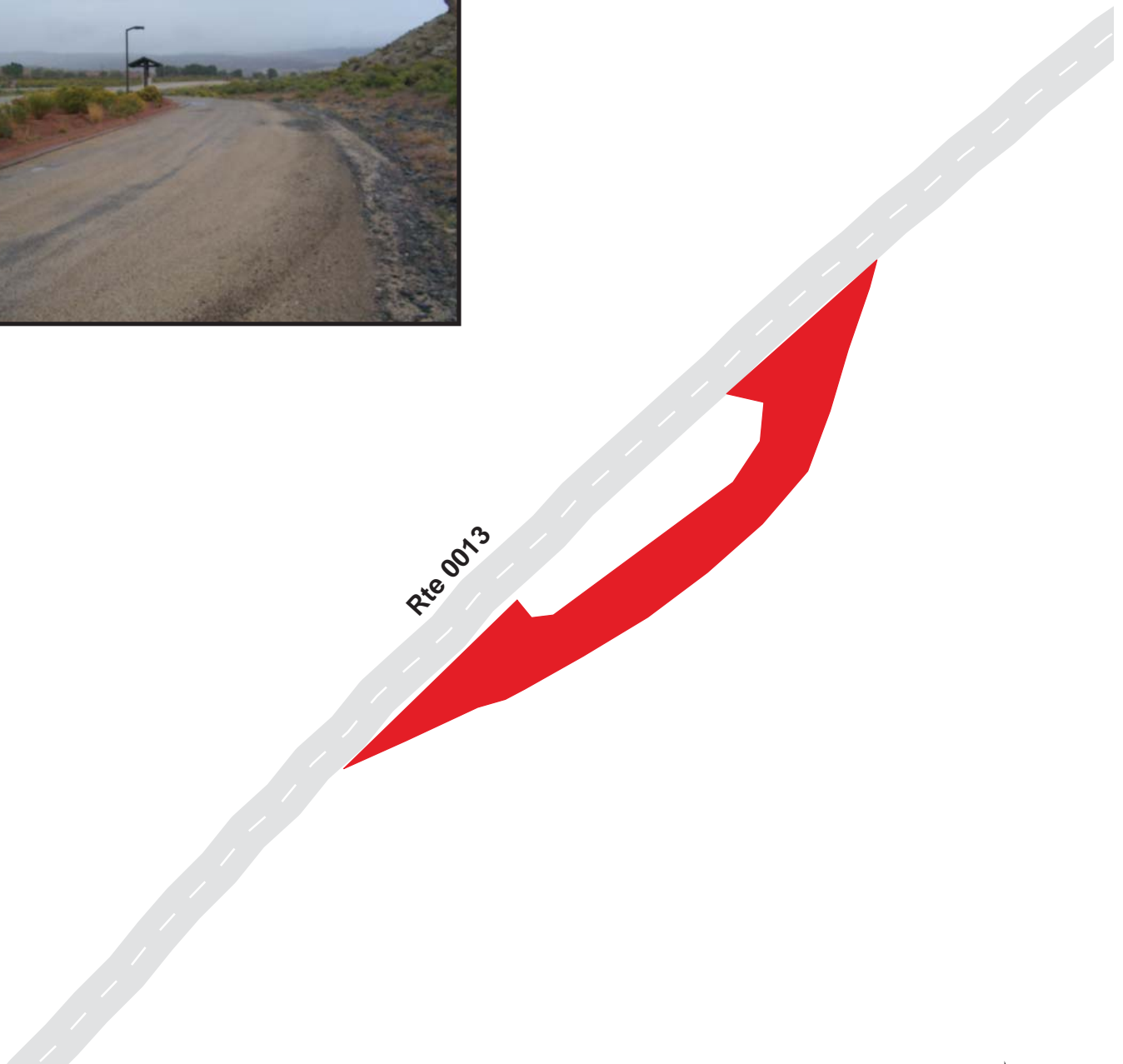
Bighorn Canyon National Recreation Area

Route 0929

AUTOMATIC FEE PAY STATION
Adjacent to Route 0013 at MP 0.55

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0929	Public	9/14/2001	4091	0.07	OC	FAIR / 73

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

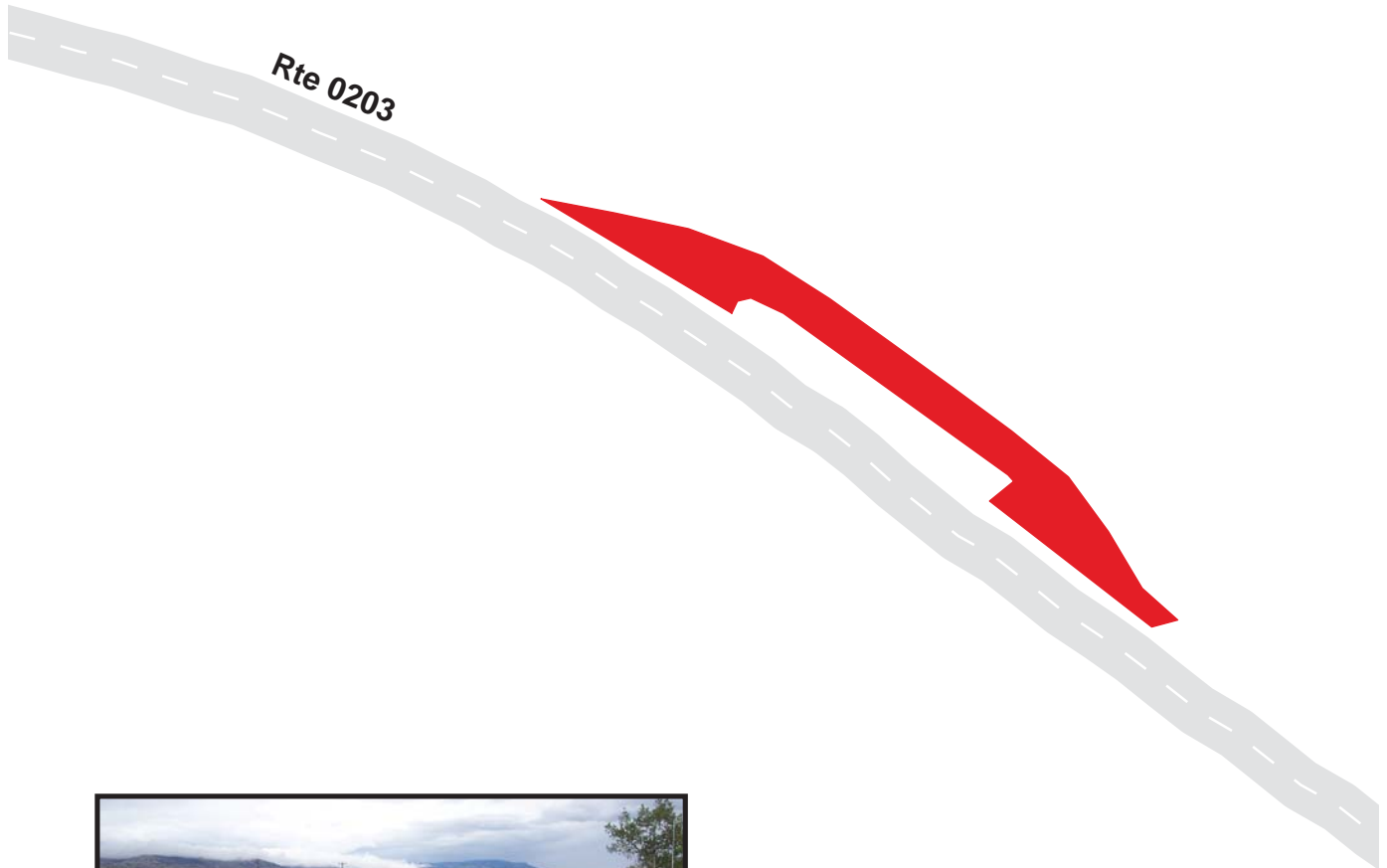
Route 0930

HORSESHOE BEND DUMP STATION

Adjacent to Route 0203 at MP 1.3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0930	Public	9/14/2001	4078	0.07	OC	GOOD / 90

* Lane miles are based on 11' lane widths



Bighorn Canyon National Recreation Area

Route 0931

SPIRITED MUSTANG OVERLOOK PARKING

Adjacent to Route 0013 at MP 3.3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0931	Public	9/14/2001	11489	0.20	OC	FAIR / 73

* Lane miles are based on 11' lane widths



BICA: PARKWIDE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>PARK TOTAL</i>	<i>UNIT</i>
BRIDGE	2	EACH
CATTLE GUARD	11	EACH
CULVERT	18	EACH
CURB	16,484	LINEAR FEET
DROP INLET	17	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	20,080	LINEAR FEET
INTERSECTION	149	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	0	EACH
PAVED DITCH	5,328	LINEAR FEET
PULLOUT	11	EACH
RAILROAD CROSSING	0	EACH
RETAINING WALL	0	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

BICA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0010 FT SMITH ACCESS RD</i>	<i>ROUTE 0011 OK-ABEHRD</i>	<i>ROUTE 0012 AFTER BAY RD</i>	<i>ROUTE 0013 BAD PASS RD</i>	<i>ROUTE 0200 AFTER BAY CAMPGROUND RD</i>	<i>ROUTE 0201 AFTER BAY BOAT RAMP RD</i>	<i>UNIT</i>
BRIDGE	0	0	1	1	0	0	EACH
CATTLE GUARD	2	3	0	6	0	0	EACH
CULVERT	0	11	1	3	0	0	EACH
CURB	0	4,087	0	502	0	0	LINEAR FEET
DROP INLET	0	14	3	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	5,929	4,868	760	7,925	106	0	LINEAR FEET
INTERSECTION	33	12	14	21	2	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	5,328	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	11	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

BICA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0202 M-K HILL PICNIC ROAD</i>	<i>ROUTE 0203 HORSE SHOE BEND RD</i>	<i>ROUTE 0204 DEVIL'S CANYON OVERLOOK RD</i>	<i>ROUTE 0208 AIRSTRIP ACCESS RD</i>	<i>ROUTE 0210 WAPPA UPPER SWITCHYARD</i>	<i>ROUTE 0211 YELLOWTAIL POWER PLANT</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	1	2	0	0	0	EACH
CURB	0	243	84	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	491	LINEAR FEET
INTERSECTION	3	16	1	1	0	2	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

BICA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0212 AVENUE B</i>	<i>ROUTE 0213 DITCHRIDER RD</i>	<i>ROUTE 0214 BIGHORN CANAL RD</i>	<i>ROUTE 0410 AVENUE A</i>	<i>ROUTE 0411 AVENUE C</i>	<i>ROUTE 0412 FIRST STREET</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	0	EACH
CURB	1,415	0	0	1,140	1,832	465	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	16	0	1	6	5	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

BICA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0413 SECOND STREET</i>	<i>ROUTE 0414 THIRD STREET</i>	<i>ROUTE 0415 FOURTH STREET</i>	<i>ROUTE 0416 SIXTH STREET</i>	<i>ROUTE 0417 SEVENTH STREET</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	EACH
CURB	1,109	1,484	2,022	1,690	412	LINEAR FEET
DROP INLET	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	LINEAR FEET
INTERSECTION	3	3	5	3	2	EACH
LOW WATER CROSSING	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	LINEAR FEET

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : FT SMITH ACCESS RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT SR 313 AT CATTLEGUARD (3 MI NE OF ENTR SIGN)
0.003	0.003	CATTLE GUARD	N/A	
0.201	0.201	INTERSECTION	RIGHT	UNPAVED PRIVATE RD
0.268	0.423	GUARDRAIL	RIGHT	
0.269	0.386	GUARDRAIL	LEFT	
0.388	0.388	INTERSECTION	LEFT	
0.441	0.441	INTERSECTION	RIGHT	UNPAVED PRIVATE RD
0.729	0.729	INTERSECTION	LEFT	
0.778	0.778	INTERSECTION	RIGHT	UNPAVED PRIVATE RD
1.049	1.049	INTERSECTION	RIGHT	
1.054	1.054	INTERSECTION	LEFT	
1.065	1.065	INTERSECTION	LEFT	
1.067	1.067	INTERSECTION	RIGHT	UNPAVED PRIVATE RD
1.195	1.195	INTERSECTION	RIGHT	UNPAVED PRIVATE RD
1.255	1.255	INTERSECTION	RIGHT	
1.322	1.368	GUARDRAIL	LEFT	
1.324	1.372	GUARDRAIL	RIGHT	
1.494	1.494	INTERSECTION	LEFT	
1.544	1.544	INTERSECTION	LEFT	
1.544	1.544	INTERSECTION	RIGHT	
1.760	1.760	INTERSECTION	RIGHT	
1.953	1.953	INTERSECTION	RIGHT	
2.362	2.362	INTERSECTION	RIGHT	
2.406	2.406	INTERSECTION	RIGHT	
2.583	2.583	CATTLE GUARD	N/A	
2.648	2.648	INTERSECTION	LEFT	UNPAVED PRIVATE RD

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : FT SMITH ACCESS RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
2.779	2.779	INTERSECTION	RIGHT	UNPAVED RD
2.893	2.893	INTERSECTION	LEFT	
2.900	2.900	INTERSECTION	RIGHT	UNPAVED RD
2.988	2.988	INTERSECTION	RIGHT	RTE 012 AFTER BAY ROAD
2.993	2.993	INTERSECTION	LEFT	UNPAVED RD
3.093	3.173	GUARDRAIL	RIGHT	
3.093	3.174	GUARDRAIL	LEFT	
3.242	3.242	INTERSECTION	LEFT	RTE 011 OK-ABEH ROAD
3.455	3.455	INTERSECTION	LEFT	
3.513	3.537	GUARDRAIL	LEFT	
3.518	3.612	GUARDRAIL	RIGHT	
3.643	3.643	INTERSECTION	LEFT	RTE 212 AVENUE B
3.801	3.801	INTERSECTION	LEFT	RTE 212 AVENUE B
3.864	3.911	GUARDRAIL	LEFT	
3.866	3.956	GUARDRAIL	RIGHT	
3.939	3.939	INTERSECTION	RIGHT	RTE 200 AFTER BAY CAMPGROUND ROAD
3.940	3.940	INTERSECTION	LEFT	RTE 212 AVENUE B
4.013	4.013	INTERSECTION	LEFT	UNPAVED RD
4.141	4.186	GUARDRAIL	LEFT	
4.141	4.198	GUARDRAIL	RIGHT	
4.200	4.200	INTERSECTION	RIGHT	RTE 211 YELLOWTAIL POWER PLANT
4.384	4.440	GUARDRAIL	LEFT	
4.501	4.542	GUARDRAIL	RIGHT	
4.504	4.542	GUARDRAIL	LEFT	
4.563	4.667	GUARDRAIL	RIGHT	
4.616	4.616	INTERSECTION	RIGHT	

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : FT SMITH ACCESS RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
4.660	4.660			ROUTE ENDS AT GATE BEGINNING OF DAM

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : OK-ABEH RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 10 @ MP 329
0.163	0.163	INTERSECTION	LEFT	
0.312	0.312	CATTLE GUARD	N/A	
0.528	0.528	CATTLE GUARD	N/A	
0.552	0.552	CULVERT	N/A	
0.652	0.652	DROP INLET	RIGHT	
0.665	0.665	CULVERT	N/A	
0.683	0.683	INTERSECTION	RIGHT	UNPAVED RD
0.755	0.765	GUARDRAIL	LEFT	
0.759	0.759	CULVERT	N/A	
0.761	0.768	GUARDRAIL	RIGHT	
0.808	0.829	GUARDRAIL	LEFT	
0.809	0.826	GUARDRAIL	RIGHT	
0.817	0.817	CULVERT	N/A	
1.125	1.125	INTERSECTION	RIGHT	UNPAVED PRIVATE RD
1.139	1.159	GUARDRAIL	LEFT	
1.140	1.174	GUARDRAIL	RIGHT	
1.145	1.145	CULVERT	N/A	
1.267	1.295	GUARDRAIL	RIGHT	
1.282	1.282	CULVERT	N/A	
1.364	1.411	GUARDRAIL	RIGHT	
1.498	1.521	GUARDRAIL	RIGHT	
1.801	1.838	GUARDRAIL	RIGHT	
1.815	1.815	CULVERT	N/A	
1.907	1.951	GUARDRAIL	RIGHT	
2.039	2.109	GUARDRAIL	RIGHT	
2.045	2.076	GUARDRAIL	LEFT	

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : OK-ABEH RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
2.072	2.072	INTERSECTION	LEFT	UNPAVED PRIVATE RD
2.207	2.382	PAVED DITCH	RIGHT	
2.217	2.217	DROP INLET	RIGHT	
2.272	2.272	DROP INLET	RIGHT	
2.330	2.350	GUARDRAIL	LEFT	
2.338	2.338	DROP INLET	RIGHT	
2.436	2.449	GUARDRAIL	RIGHT	
2.545	2.638	PAVED DITCH	RIGHT	
2.553	2.576	GUARDRAIL	LEFT	
2.582	2.582	DROP INLET	RIGHT	
2.673	2.673	DROP INLET	LEFT	
2.674	2.685	PAVED DITCH	LEFT	
3.197	3.494	PAVED DITCH	RIGHT	
3.243	3.243	DROP INLET	RIGHT	
3.310	3.310	DROP INLET	RIGHT	
3.836	3.902	PAVED DITCH	LEFT	
3.870	4.167	PAVED DITCH	RIGHT	
3.941	3.941	DROP INLET	RIGHT	
4.013	4.013	DROP INLET	RIGHT	
4.072	4.072	INTERSECTION	LEFT	UNPAVED PRIVATE RD
4.073	4.073	DROP INLET	RIGHT	
4.542	4.560	CURB	RIGHT	
4.549	4.549	INTERSECTION	RIGHT	RTE 906 OK-A-BEH EXHIBIT PARKING
4.777	4.809	GUARDRAIL	LEFT	
4.779	4.818	GUARDRAIL	RIGHT	
4.798	4.798	CULVERT	N/A	
5.472	5.472	DROP INLET	RIGHT	

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : OK-ABEH RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
5.555	5.555	CATTLE GUARD	N/A	
5.922	5.992	PAVED DITCH	RIGHT	
6.188	6.188	CULVERT	N/A	
6.621	6.621	DROP INLET	LEFT	
6.698	6.698	CULVERT	N/A	
6.982	6.982	CULVERT	N/A	
7.349	7.349	DROP INLET	LEFT	
7.513	7.513	INTERSECTION	LEFT	UNPAVED ENTRANCE TO TRIBAL LANDS
7.599	8.242	CURB	RIGHT	
8.242	8.416	GUARDRAIL	RIGHT	
8.355	8.386	GUARDRAIL	LEFT	
8.560	8.578	CURB	LEFT	
8.563	8.563	INTERSECTION	LEFT	RTE 905 OK-A-BEH OVERLOOK PARKING
8.650	8.741	GUARDRAIL	RIGHT	
8.708	8.710	GUARDRAIL	LEFT	
8.823	8.847	GUARDRAIL	LEFT	
8.856	8.924	CURB	LEFT	
8.940	8.972	GUARDRAIL	RIGHT	
8.941	8.970	GUARDRAIL	LEFT	
9.028	9.028	INTERSECTION	RIGHT	
9.033	9.056	GUARDRAIL	RIGHT	
9.081	9.108	CURB	RIGHT	
9.094	9.094	INTERSECTION	LEFT	UNPAVED RD
9.109	9.109	INTERSECTION	RIGHT	RTE 903 UPPER OK-A-BEH PARKING
9.330	9.330			ROUTE ENDS AT RTE 904

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : OK-ABEH RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
9.332	9.332	INTERSECTION	LEFT	RTE 904 OK-A-BEH LOWER PARKING

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : AFTER BAY RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 010 @ MP 303
0.059	0.059	INTERSECTION	LEFT	RTE 901 LOWER VISITOR CENTER PARKING
0.111	0.111	INTERSECTION	LEFT	RTE 901 LOWER VISITOR CENTER PARKING
0.212	0.212	INTERSECTION	RIGHT	RTE 213 DITCHRIDER ROAD
0.367	0.367	INTERSECTION	LEFT	
0.421	0.421	INTERSECTION	RIGHT	RTE 214 BIGHORN CANAL ROAD
0.449	0.543	GUARDRAIL	RIGHT	
0.510	0.510	INTERSECTION	LEFT	
0.527	0.541	GUARDRAIL	LEFT	
0.545	0.607	BRIDGE	N/A	
0.548	0.548	DROP INLET	RIGHT	
0.555	0.555	DROP INLET	LEFT	
0.558	0.558	DROP INLET	RIGHT	
0.609	0.613	GUARDRAIL	LEFT	
0.613	0.645	GUARDRAIL	RIGHT	
0.688	0.688	INTERSECTION	LEFT	RTE 902 AFTER BAY OVERLOOK
0.690	0.690	INTERSECTION	RIGHT	RTE 215 AFTER BAY RIVER LAUNCH ROAD
1.023	1.023	INTERSECTION	LEFT	RTE 201 AFTER BAT BOAT RAMP ROAD
1.136	1.136	INTERSECTION	LEFT	UNPAVED RD
1.354	1.354	INTERSECTION	RIGHT	RTE 208 AIRSTRIP ACCESS ROAD
1.611	1.611	CULVERT	N/A	
1.618	1.618	INTERSECTION	LEFT	RTE 216 GRAPEVINE CAMPGROUND ROAD
1.767	1.767	INTERSECTION	RIGHT	

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : AFTER BAY RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
1.835	1.835	INTERSECTION	RIGHT	PRIVATE RD
1.900	1.900			ROUTE ENDS AT END

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : BAD PASS RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT PARK BOUNDARY
0.038	0.067	PULLOUT	RIGHT	
0.039	0.066	PULLOUT	LEFT	
0.538	0.538	INTERSECTION	RIGHT	AUTOMATED FEE STATION
0.551	0.570	CURB	RIGHT	
0.574	0.574	INTERSECTION	RIGHT	
0.612	0.612	INTERSECTION	LEFT	
0.718	0.718	INTERSECTION	RIGHT	RTE 203 HORSE SHOE BEND ROAD
0.773	0.796	GUARDRAIL	LEFT	
0.774	0.801	GUARDRAIL	RIGHT	
0.786	0.799	BRIDGE	N/A	
0.930	0.930	INTERSECTION	RIGHT	
1.105	1.105	INTERSECTION	LEFT	UNPAVED RD
1.114	1.114	CULVERT	N/A	
1.641	1.641	INTERSECTION	RIGHT	UNPAVED RD
1.688	1.688	INTERSECTION	LEFT	
1.927	1.927	CATTLE GUARD	N/A	
2.157	2.157	INTERSECTION	RIGHT	CROOKED CREEK BAY
3.359	3.359	INTERSECTION	LEFT	RTE 931 SPIRITED OVERLOOK
4.966	5.019	PULLOUT	LEFT	
6.088	6.088	CATTLE GUARD	N/A	
6.301	6.301	INTERSECTION	RIGHT	RTE 204 DEVIL'S CANYON OVERLOOK ROAD
6.371	6.552	GUARDRAIL	LEFT	
6.480	6.575	GUARDRAIL	RIGHT	
6.693	6.726	PULLOUT	RIGHT	
7.129	7.129	INTERSECTION	RIGHT	RTE BAD PASS PARKING A

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : BAD PASS RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
7.163	7.163	INTERSECTION	RIGHT	RTE 925 BUD PASS PARKING B
7.187	7.241	GUARDRAIL	RIGHT	
7.315	7.381	GUARDRAIL	RIGHT	
7.410	7.536	GUARDRAIL	RIGHT	
7.532	7.542	CURB	RIGHT	
7.543	7.543	INTERSECTION	RIGHT	
7.556	7.579	CURB	RIGHT	
7.574	7.574	INTERSECTION	RIGHT	
7.592	7.702	GUARDRAIL	RIGHT	
7.761	7.820	GUARDRAIL	RIGHT	
7.879	8.059	GUARDRAIL	RIGHT	
7.979	8.039	GUARDRAIL	LEFT	
8.369	8.369	CULVERT	N/A	
8.928	8.957	PULLOUT	RIGHT	
10.349	10.482	GUARDRAIL	RIGHT	
10.625	10.625	CATTLE GUARD	N/A	
10.867	10.867	INTERSECTION	LEFT	RTE 205 EVENING SWELL RANCH ROAD
11.356	11.356	INTERSECTION	RIGHT	UNPAVED RD
11.716	11.716	CATTLE GUARD	N/A	
11.744	11.744	INTERSECTION	RIGHT	UNPAVED RD
12.757	12.820	GUARDRAIL	RIGHT	
12.815	12.848	PULLOUT	RIGHT	
12.952	12.952	CATTLE GUARD	N/A	
13.466	13.466	INTERSECTION	RIGHT	
13.882	13.882	CATTLE GUARD	N/A	
14.039	14.039	CULVERT	N/A	
14.243	14.288	PULLOUT	RIGHT	

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : BAD PASS RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
14.465	14.512	PULLOUT	RIGHT	
14.559	14.559	INTERSECTION	RIGHT	
14.685	14.939	GUARDRAIL	RIGHT	
14.776	14.802	PULLOUT	RIGHT	
15.420	15.420	INTERSECTION	LEFT	RTE 922 BARRY'S LANDING PARKING (UNPAVED)
15.476	15.546	GUARDRAIL	LEFT	
15.507	15.550	CURB	LEFT	
15.535	15.561	PULLOUT	LEFT	
15.541	15.550	PULLOUT	RIGHT	
15.550	15.550			ROUTE ENDS AT BOAT RAMP

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0200 : AFTER BAY CAMPGROUND RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 010 @ MP 398
0.001	0.021	GUARDRAIL	RIGHT	
0.141	0.141	INTERSECTION	RIGHT	UNPAVED PARK RD
0.219	0.219	INTERSECTION	LEFT	
0.230	0.230			ROUTE ENDS AT END

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0201 : AFTER BAY BOAT RAMP RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
NO MAINTENANCE FEATURES IN ROUTE.				
0.000	0.000			ROUTE BEGINS AT RTE 012 @ MP 105
0.190	0.190			ROUTE ENDS AT END OF PAVEMENT

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0202 : M-K HILL PICNIC ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 010 @ MP 350
0.074	0.074	INTERSECTION	RIGHT	RTE 212 AVENUE B
0.129	0.129	INTERSECTION	RIGHT	RTE 401 FIREBREAK ROAD
0.334	0.334	INTERSECTION	RIGHT	UNPAVED PARKING RIGHT
0.400	0.400			ROUTE ENDS AT END

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203 : HORSE SHOE BEND RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 013 @ MP 075
0.195	0.195	CULVERT	N/A	
1.205	1.205	INTERSECTION	LEFT	UNPAVED SERVICE RD
1.205	1.205	INTERSECTION	RIGHT	DRY BOAT STORAGE
1.272	1.272	INTERSECTION	RIGHT	
1.306	1.306	INTERSECTION	LEFT	
1.319	1.339	CURB	LEFT	
1.342	1.342	INTERSECTION	LEFT	RTE 930 HORSE SHOE BEND DUMP STATION
1.342	1.342	INTERSECTION	RIGHT	RTE 928 RANGER STATION PARKING AREA (UNPAVED)
1.356	1.356	INTERSECTION	LEFT	RTE 207 HORSE SHOE BEND CAMPGROUND ROAD
1.385	1.385	INTERSECTION	RIGHT	
1.488	1.488	INTERSECTION	RIGHT	
1.579	1.579	INTERSECTION	RIGHT	RTE 920 HORSE SHOE BEND PARKING
1.580	1.580	INTERSECTION	LEFT	
1.592	1.609	CURB	RIGHT	
1.608	1.608	INTERSECTION	RIGHT	
1.613	1.616	CURB	RIGHT	
1.622	1.622	INTERSECTION	RIGHT	
1.647	1.647	INTERSECTION	RIGHT	
1.658	1.658	INTERSECTION	LEFT	RIGGING AREA
1.660	1.666	CURB	RIGHT	
1.668	1.668	INTERSECTION	RIGHT	
1.690	1.690			ROUTE ENDS AT BOAT RAMP

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0204 : DEVIL'S CANYON OVERLOOK RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 013 @ MP 637
0.089	0.089	CULVERT	N/A	
0.216	0.216	CULVERT	N/A	
0.789	0.801	CURB	RIGHT	
0.794	0.798	CURB	LEFT	
0.800	0.800			ROUTE ENDS AT RTE 921
0.800	0.800	INTERSECTION	LEFT	

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0208 : AIRSTRIP ACCESS RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 012 @ MP 137
0.087	0.087	INTERSECTION	RIGHT	
0.130	0.130			ROUTE ENDS AT RUNWAY

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0210 : WAPPA UPPER SWITCHYARD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
NO MAINTENANCE FEATURES IN ROUTE.				
0.000	0.000			ROUTE BEGINS AT RTE 010 @ MP 530
0.000	0.000			ROUTE ENDS AT END

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0211 : YELLOWTAIL POWER PLANT

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 010 @ MP 424
0.126	0.153	GUARDRAIL	LEFT	
0.127	0.155	GUARDRAIL	RIGHT	
0.287	0.325	GUARDRAIL	RIGHT	
0.318	0.318	INTERSECTION	LEFT	
0.348	0.348	INTERSECTION	RIGHT	UNPAVED SERVICE RD
0.350	0.350			ROUTE ENDS AT RTE 923

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212 : AVENUE B

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 010 @ MP 399
0.039	0.039	INTERSECTION	LEFT	RTE 913 PARK HEADQUARTERS PARKING
0.045	0.059	CURB	LEFT	
0.049	0.049	INTERSECTION	RIGHT	
0.088	0.088	INTERSECTION	RIGHT	RTE 914 MAINTENANCE PARKING
0.106	0.106	INTERSECTION	LEFT	RTE 913 PARK HEADQUARTERS PARKING
0.117	0.128	CURB	RIGHT	
0.121	0.141	CURB	LEFT	
0.131	0.152	CURB	RIGHT	
0.142	0.142	INTERSECTION	LEFT	RTE 412 FIRST STREET
0.152	0.152	INTERSECTION	RIGHT	
0.162	0.162	INTERSECTION	RIGHT	RTE 411 AVENUE C
0.181	0.268	CURB	RIGHT	
0.203	0.203	INTERSECTION	LEFT	RTE 413 SECOND STREET
0.265	0.265	INTERSECTION	LEFT	RTE 414 THIRD STREET
0.267	0.267	INTERSECTION	RIGHT	RTE 414 THIRD STREET
0.276	0.314	CURB	LEFT	
0.279	0.299	CURB	RIGHT	
0.307	0.318	CURB	RIGHT	
0.317	0.317	INTERSECTION	LEFT	415 FOURTH STREET
0.320	0.320	INTERSECTION	RIGHT	RTE 415 FOURTH STREET
0.366	0.381	CURB	RIGHT	
0.377	0.398	CURB	LEFT	
0.379	0.379	INTERSECTION	LEFT	UNPAVED PARKING LEFT
0.385	0.385	INTERSECTION	RIGHT	UNPAVED PARKING RIGHT

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212 : AVENUE B

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.393	0.403	CURB	RIGHT	
0.402	0.402	INTERSECTION	LEFT	RTE 417 SEVENTH STREET
0.433	0.433	INTERSECTION	RIGHT	RTE 202 M-K HILL PICNIC ROAD
0.440	0.440			ROUTE ENDS AT RTE 202

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0213 : DITCHRIDER RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
NO MAINTENANCE FEATURES IN ROUTE.				
0.000	0.000			ROUTE BEGINS AT RTE 012 @ MP 022
0.080	0.080			ROUTE ENDS AT END

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0214 : BIGHORN CANAL RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 012 @ MP 043
0.079	0.079	INTERSECTION	RIGHT	UNPAVED RD
0.140	0.140			ROUTE ENDS AT RTE 907

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0410 : AVENUE A

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 417
0.016	0.029	CURB	LEFT	
0.043	0.043	INTERSECTION	LEFT	RTE 416 SIXTH STREET
0.052	0.143	CURB	LEFT	
0.098	0.098	INTERSECTION	RIGHT	RTE 419 AVENUE A ACCESS ROAD
0.146	0.146	INTERSECTION	LEFT	RTE 415 FOURTH STREET
0.165	0.203	CURB	LEFT	
0.197	0.197	INTERSECTION	LEFT	RTE 414 THIRD STREET
0.207	0.245	CURB	LEFT	
0.247	0.247	INTERSECTION	LEFT	RTE 413 SECOND STREET
0.250	0.250	INTERSECTION	RIGHT	RTE 413 SECOND STREET
0.255	0.273	CURB	LEFT	
0.279	0.297	CURB	LEFT	
0.310	0.310			ROUTE ENDS AT RTE 412 @ MP 009

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0411 : AVENUE C

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 212 @ MP 017
0.007	0.018	CURB	LEFT	
0.010	0.028	CURB	RIGHT	
0.031	0.050	CURB	RIGHT	
0.053	0.069	CURB	RIGHT	
0.072	0.103	CURB	RIGHT	
0.104	0.126	CURB	RIGHT	
0.129	0.135	CURB	RIGHT	
0.139	0.153	CURB	RIGHT	
0.155	0.155	INTERSECTION	LEFT	RTE 414 THIRD STREET
0.156	0.196	CURB	RIGHT	
0.173	0.191	CURB	LEFT	
0.193	0.193	INTERSECTION	LEFT	RTE 415 FOURTH STREET
0.195	0.195	INTERSECTION	RIGHT	RTE 415 FOURTH STREET
0.201	0.223	CURB	LEFT	
0.207	0.211	CURB	RIGHT	
0.222	0.236	CURB	RIGHT	
0.224	0.290	CURB	LEFT	
0.238	0.240	CURB	RIGHT	
0.243	0.243	INTERSECTION	RIGHT	RTE 918 SCHOOL PARKING
0.250	0.288	CURB	RIGHT	
0.291	0.291	INTERSECTION	RIGHT	RTE 918 SCHOOL PARKING
0.295	0.301	CURB	RIGHT	
0.300	0.300			ROUTE ENDS AT RTE 417

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0412 : FIRST STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 212 @ MP 016
0.009	0.084	CURB	RIGHT	
0.018	0.031	CURB	LEFT	
0.090	0.090			ROUTE ENDS AT RTE 417

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0413 : SECOND STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 010
0.012	0.012	INTERSECTION	RIGHT	RTE 410 AVENUE A
0.015	0.121	CURB	LEFT	
0.018	0.122	CURB	RIGHT	
0.119	0.119	INTERSECTION	LEFT	
0.124	0.124	INTERSECTION	RIGHT	RTE 410 AVENUE A
0.130	0.130			ROUTE ENDS AT RTE 212 @ MP 022

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0414 : THIRD STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 410 @ MP 021
0.005	0.107	CURB	RIGHT	
0.014	0.102	CURB	LEFT	
0.104	0.104	INTERSECTION	LEFT	RTE 212 AVENUE B
0.108	0.108	INTERSECTION	RIGHT	RTE 212 AVENUE B
0.113	0.157	CURB	LEFT	
0.120	0.146	CURB	RIGHT	
0.157	0.178	CURB	RIGHT	
0.179	0.179	INTERSECTION	RIGHT	RTE 411 AVENUE C
0.190	0.190			ROUTE ENDS AT RTE 411@ MP 017

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0415 : FOURTH STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 410 @ 016
0.000	0.080	CURB	RIGHT	
0.018	0.025	CURB	LEFT	
0.019	0.019	INTERSECTION	LEFT	RTE 916 BALLFIELD PARKING B
0.040	0.100	CURB	LEFT	
0.090	0.107	CURB	RIGHT	
0.106	0.106	INTERSECTION	LEFT	RTE 212 AVENUE B
0.107	0.107	INTERSECTION	RIGHT	RTE 212 AVENUE B
0.116	0.174	CURB	LEFT	
0.119	0.178	CURB	RIGHT	
0.178	0.178	INTERSECTION	LEFT	RTE 411 AVENUE C
0.180	0.180	INTERSECTION	RIGHT	RTE 411 AVENUE C
0.185	0.216	CURB	LEFT	
0.188	0.195	CURB	RIGHT	
0.199	0.223	CURB	RIGHT	
0.222	0.236	CURB	LEFT	
0.226	0.235	CURB	RIGHT	
0.238	0.251	CURB	RIGHT	
0.240	0.244	CURB	LEFT	
0.250	0.250			ROUTE ENDS AT END

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0416 : SIXTH STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 411
0.004	0.063	CURB	RIGHT	
0.015	0.172	CURB	LEFT	
0.064	0.064	INTERSECTION	RIGHT	
0.074	0.178	CURB	RIGHT	
0.086	0.086	INTERSECTION	LEFT	RTE 917 BALLFIELD PARKING C
0.177	0.177	INTERSECTION	RIGHT	RTE 411 AVENUE C
0.180	0.180			ROUTE ENDS AT RTE 410

BICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0417 : SEVENTH STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 410 @ MP 006
0.011	0.089	CURB	RIGHT	
0.085	0.085	INTERSECTION	LEFT	
0.090	0.090			ROUTE ENDS AT RTE 212 @ MP 035
0.091	0.091	INTERSECTION	RIGHT	RTE 212 AVENUE B

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
1320	Numeric Code for Bighorn Canyon National Recreation Area
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
BICA	Alpha Code for Bighorn Canyon National Recreation Area
CRS	Condition Rating Sheets. (Section 5)
Drainage Condition Rating	A visual rating (Good, Poor) of the drainage condition. (see Section 10)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value between 61 and 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value between 85 and 94
IRI	International Roughness Index
Lane Width	Distance from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MRR	Manually Rated Route
NA	Not Applicable
NC	Not Collected
Paved Width	Distance from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (see Section 10)

Poor	Poor Rating with an index value of 60 or less
RCI	Roughness Condition Index
SADT	Seasonal Annual Daily Traffic. Average daily traffic for the total defined "season"
SCR	Surface Condition Rating (see Section 10)
Shoulder Condition Rating	Visual rating (Good, Poor) of the condition of shoulder. (see Section 10)
Shoulder Width	Distance from fogline to hinge point, or if no fogline, from edge-of-pavement to hinge point

APPENDIX B: DESCRIPTION OF RATING SYSTEM

A numerical roadway rating system is used to describe the overall condition of the paved roadways and paved parking areas. In this system, a numerical rating between 1 and 100 is ascribed to each 0.02 miles of road. This numerical rating is called a Pavement Condition Rating (PCR). A “perfect” road, newly constructed with no surface distresses and a smooth surface, would be assigned a PCR rating of 100. Based on the type, severity, and extent of surface distresses points are deducted from 100 to arrive at the final PCR.

Data is collected on the following distresses and conditions:

- **Alligator Cracking** - a series of interconnecting cracks resembling alligator skin or chicken wire, which can occur anywhere in the lane.
- **Longitudinal Cracking** - cracks which are parallel to the pavement centerline or asphalt lay-down direction.
- **Transverse Cracking** - cracks perpendicular to the pavement centerline.
- **Pothole (patch)** - a bowl-shaped hole in the pavement surface. May be patched or not.
- **Rutting** - surface depressions in the wheel paths.

Roughness is collected as International Roughness Index (IRI) and is used in the PCR formula. Roughness is measured in inches of vertical displacement of the vehicle per mile traveled.

A Distress Rating Index value is calculated for each of the individual distresses at the 0.02 mile, or every 105.6 feet.

Rating Index Formulas

Alligator Cracking Index = $100 - [40 * (\%low/70 + \%medium/30 + \%high/10)]$

Longitudinal Cracking Index = $100 - [40 * (\%low/350 + \%medium/200 + \%high/75)]$

Transverse Cracking Index = $100 - [(20 * (low/15.1 + medium/7.5)) + (40 * (high/1.9))]$

Patching Index = $100 - [40 * (\%patching / 80)]$

Rutting Index: $100 - [40 * ((low/160) + (med/80) + (high/40))]$

Roughness Condition Index: (RCI) = $32 * [5 * e^{(-0.0041 * \text{average IRI})}]$

These 0.02 Distress Rating Index values are then averaged over one mile sections for the mile-by-mile Distress Rating Indexes, Surface Condition Rating (SCR) and Pavement Condition Rating (PCR).

Surface Condition Rating (SCR) = $100 - [(100 - AC_INDEX) + (100 - LC_INDEX) + (100 - TC_INDEX) + (100 - PATCH_INDEX) + (100 - RUT_INDEX)]$

Pavement Condition Rating (PCR) = $(SCR * 0.60) + (RCI * 0.40)$

NOTE: Collection of roughness data is dependant on the data collection vehicle traveling at a minimum speed of 12 mph. In the event that a route cannot be safely traveled at this minimum speed, and results in no roughness data, the SCR only will be calculated.

Parking Lot and Manually Rated Road Condition Rating

Surface Condition Distresses- Chip Seal:

- Raveling – loss of surface rock chips revealing previous surface
- Bleeding – asphalt or tar is bleeding through to the surface where surface looks slick with asphalt
- Rutting
- Potholes/Patching

Ratings - Chip Seal:

- Excellent – None of the surface affected by the above (recently constructed)
- Good – Less than 10% of surface affected by the above
- Fair – Between 10% and 40% of surface affected by the above
- Poor – More than 40% of surface affected by the above

Surface Condition - Asphalt:

- Cracking of any type
- Rutting
- Potholes/Patching

Ratings - Asphalt:

- Excellent – None of the surface affected by the above (recently constructed)
- Good – Less than 10% of surface affected by the above
- Fair – Between 10% and 40% of surface affected by the above
- Poor – More than 40% of surface affected by the above

Index Values of Visual Ratings on Parking Lots and Manually Rated Roads

Excellent	97
Good	90
Fair	73
Poor	45

Drainage Condition Rating Definitions

- Good:** Minimal overall drainage problems. If funding were available for pavement maintenance, 25% or less is estimated to correct drainage deficiencies.
- Poor:** Problems exist that jeopardizes the integrity of the road in this section. If funding were available for pavement maintenance, 50% to 100% is estimated to correct drainage deficiencies.

Drainage Condition Rating Criteria

The following are examples of basic criteria to help the rater to identify the different drainage ratings. While in the field, many other flaws will be discovered, but these criteria should give a feel for where the flaws would apply in the ratings.

Good Drainage

Most water clears the road prism adequately with little concern of base saturation.

- X Pavement has minor deficiencies that interrupt water flow.
- X Shoulders are mostly adequate as they relate to surrounding terrain. Shoulder design generally coincides with the drainage design.
- X Curbs have deficiencies, but still function without erosion.
- X Down drains are placed properly, but show signs of some deterioration.
- X Culverts are adequate in numbers and size however, minor deficiencies are evident.
- X Ditches are not paved, but solid and have enough area to maintain and carry required volume of water.

Poor Drainage

This section has areas of inadequate drainage ability that is causing base saturation that could cause a road failure.

- X Pavement grade is irregular and holds dangerous amounts of water (hydroplaning is a concern), or shows massive alligator cracking.
- X Shoulder design induces ponding that encroaches on the pavement (drivers try to avoid ponds).
- X Portions of curbs are missing, allowing water to escape causing erosion.
- X Drop inlets, due to various reasons, are only able to drain 50% or less efficiently.
- X Down drains show signs of water exiting in areas by the down drain causing erosion.
- X Culverts are functionally deficient including size, installation, location, or grade giving water opportunity to saturate the road base.
- X Ditches allow water opportunity to saturate the road base through various reasons such as low places in ditch where design has not allowed for water to drain, little or no room in the road prism for a needed ditch, or water is disappearing within the ditch.

Shoulder Condition Rating Definitions

- Good:** The shoulder is generally in good functional condition. If curbs are present, they are functional.
- Poor:** There is no shoulder because erosion has removed it. If curbs are present, they need to be replaced.

Shoulder Rating Criteria

The following are examples of basic criteria to help the rater to identify the different shoulder ratings. While in the field, many other flaws will be discovered, but these criteria should give a feel for where the flaws would apply in the ratings.

Good Shoulders

- X If shoulder is unpaved drop-offs are less than 1", but grading is required.
- X If shoulder is paved rut depth is less than 1/2", sealed cracks are present, and grading is required.
- X If curbs are present they are functional.

Poor Shoulder

- X If shoulder is unpaved drop-offs are greater than 4" and erosion has removed the shoulder.
- X If shoulder is paved rut depth is greater than 1". Open cracks are greater than 1/4" deep, and erosion has removed the shoulder.
- X If curbs are present they need replacement.
- X If curbs are present they need repairs, and there is erosion behind the curb.

APPENDIX C: DIGITAL IMAGE INFORMATION

All images collected in Cycle 3 are digital images. These images provide the best resolution for identifying sign inventories and pavement evaluations. The images can be viewed with an interactive software program called **Visi-Data**. Each park will have a copy of the Visi-Data program installed in the park for park personnel to access and use.

Only Cycle 3 data can be queried and reviewed using the Visi-Data software program. This program is a multimedia data presentation and analysis tool that can be accessed either at the individual park, park region or at NPS headquarters. The data is organized in a hierarchical manner and presented in tabular and graphical formats. The user is able to perform queries and drill down through the data to find the particular information they are trying to query. Associated digital right-of-way images from either the LAN, USB port, individual DVD, or from the Visi-web application, can be presented along with the GPS locations.

APPENDIX D: METADATA

ARAN ROUTE GPS DATA

Background information of route spatial data.

GPS Records: GPS data for NPS routes is stored in the MS Access database for the park. The coordinates of the road traces are stored in the 'PMS_20' table in the 'GPS_LAT' and 'GPS_LON' fields.

Data Collection Device:

Vehicle Information: Ford Van
Type of GPS Unit: NovAtel MiLLennium, 12 channel, dual frequency L1/L2, DGPS ready receiver w/MiLLennium 502 GPS antenna and OmniSTAR System 3000 LR
Inertial System: Applanix POS LV

Accuracy: Expected ground accuracy is 1 meter *

*The above accuracy assumes good GPS mission planning resulting in maximum GPS satellite observation and ideal environmental conditions. Due to less than ideal satellite and environmental conditions, some routes may lack the expected ground accuracy.

Geographic Datum: WGS 1984

Post Collection GPS Correction: Due to unanticipated GPS collection inaccuracies, some route locations have been digitized using DOQQ's and other data sources.

FHWA – NPS Road Inventory Program Cycle 3 Metadata for the Park Database

The purpose of these sheets is to provide users of the Road Inventory Program's data with data accuracies and tolerances to help users define ways in which the RIP data can and cannot be used. For further information on specifics of data collection equipment, data collection procedures, equipment calibrations, or quality control/quality assurance procedures, please contact Jim Kennedy, Project Manager, Data Quality Assurance, at 720-963-3560 or jim.kennedy@fhwa.dot.gov.

All Road Inventory Program data undergoes quality control and quality assurance testing. This document represents the known data accuracies and tolerances for the data collection equipment, data collection procedures, and data processing procedures currently in use. Many additional tests conducted on the park databases during the quality assurance phase to ensure data integrity are not listed as a part of this document. Before it is delivered, a park database undergoes a large set of table design consistency, field data format consistency, data completeness, uniqueness of key fields, data reasonableness, acceptable data range, within-field data consistency, between-field data consistency, and between-table data consistency tests. Additional data sampling checks are conducted to ensure proper data upload from raw files into the park database and to quality check the pavement crack analysis. Further information is detailed in the FHWA – NPS RIP Quality Assurance Manual, available upon request.

This description of metadata includes only the known accuracies with which a data field matches its expected value. The tables that follow this page show each database field's:

- Field – field name
- Format – data type and number of characters of field
- Expected Value – meaning of value assigned to field
- Source – when in process field value obtained
- Validation – how field value obtained
- Expected Accuracy – accuracy with which contents of field match Expected Value

Verifying and continually improving the accuracy of Road Inventory Program data is an ongoing goal of the Federal Highway Administration and the National Park Service. Field testing and post-collection analysis of ARAN (Automatic Road Analyzer) -collected data will continue in Cycle 4. Data quality is expected to improve as the FHWA – NPS Road Inventory Program continues to operate, due to the fact that future data collection cycles will consist in large part of data updates. Also, technological improvements are expected to render the data increasingly consistent with actual roadway conditions as data collection cycles progress.

Specific Caveats

- Three canned reports are titled “Features in Good Condition”, “Features in Fair Condition,” and “Features in Poor Condition.” These titles could be misleading. In Cycle 3, condition assessments have been conducted on **signs only**. Condition assessments have not been conducted on non-sign features, such as culverts, guardrails, pullouts, etc. Although the database and canned reports might report a default value of “good” for un-assessed features, these condition values are not valid for import into FMSS.
- Database records that show a concrete surface type sometimes include index values that seem to show a perfect roadway (e.g., a Pavement Condition Rating (PCR) of 100). The Road Inventory Program does not actually conduct condition assessments of concrete surfaces. The perfect values are just default values assigned to unassessed sections of pavement and do not represent an assessment of the roadway surface's quality.
- On the USB drive, in the Database folder, parks are provided with intersection lists and exceptions lists. These documents should be treated as raw files and are **not accurate**. Refer to the final database for accurately post-processed intersection data.
- Most roadway data is collected in the primary direction lane of a roadway. To save data storage

space and to reduce data analysis efforts, the assumption was made that the paved surface condition of a route's primary lane adequately represents the surface condition of the full roadway. Therefore, in the database, opposite-direction records in the PMS_Visidata table do not include assessed values for roadway surface distresses. Values such as 0, N/A, -1, or a repeat of the primary-direction assessed value indicate that no assessment was performed. The PMS_20 and PMS_Mile tables simply exclude all opposite routes.

- Most roadway features are collected relative to the primary direction lane of a roadway, using the primary-direction video. Signs are the only features collected using the opposite-direction video.

Key to Notes in Tables

(1): Note that only one value fits in field, so even if this value varies throughout the route, only one value is recorded here.

(2): Note that some MP values listed here are estimates recorded during the Route ID process for use by the data collection crew (e.g. "FROM ROUTE 0010 AT MILEPOST 30.3"). They are estimates only and are not expected to match the more accurate milepost values included elsewhere in the database in the BEG_MP, END_MP, and MP fields.

(3): Mileage is measured by the ARAN (Automatic Road ANalyzer) data collection vehicle out to the 0.001 decimal place. The DMI (distance measuring instrument) is very accurate, with extremely slight variations in measurement due to air temperature, tire inflation, curves, hills, and equipment calibration.

(4): Features are measured differently depending on whether they are visible in the forward-facing video of the roadway, but every feature milepost measurement depends on the baseline measurement of the data collection vehicle's mileage. The ARAN (Automatic Road ANalyzer) data collection vehicle's mileage is measured by the DMI (distance measuring instrument) out to the 0.001 decimal place. The DMI is very accurate, with extremely slight variations in measurement due to air temperature, tire inflation, curves, hills, and equipment calibration. If a feature will not be visible in the forward-facing video, its milepost is determined by the data collectors' key press tagging the milepost when the ARAN passes the feature. Key presses are entered into the ARAN software when the vehicle travels typically between 15 and 45 miles/hour, so a delay of a single second as the vehicle passes a feature would result in an inaccuracy of 0.004 miles (22 feet) to 0.012 miles (66 feet). If a feature is visible in the video, its milepost is determined during post-processing using a video measurement software called Surveyor. Features along the side of a roadway that are measured using the Surveyor software might not be located very accurately. Surveyor is known to be most accurate when measuring quantities near the center of the video frame, as opposed to in the edges of the video image.

(5): Only signs are evaluated for condition. No other features' conditions are assessed, so "N/A" was originally intended to be the default value for unassessed features. However, some non-sign features do have condition ratings in the database. These are not accurate, because no assessment was ever done on non-sign features.

(6): Condition assessments are not conducted on concrete (CO) surface types. Perfect values for concrete road sections are default values and do not represent a condition assessment of the concrete surfaces.

(7): Roadway cracking presence, type, severity, and extent are determined by filming the roadway in the primary lane continuously with two overlapping analog cameras of 640 x 480 resolution. The images from both cameras are stitched together in real time to create a continuous strip image of the roadway pavement in the primary lane. Cracks 3 mm or greater in width are visible in this video. A semi-automatic process running the WiseCrax software with additional input by human operators provides the cracking quantities recorded in these database fields. Quality checks have determined that a consistent 80% or better of the visible cracks are recorded.

Access Database Metadata

Master Table Metadata:

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
RIP_CYCLE	X	3, for data collection cycle 3	Route ID Meeting	FHWA Determination	100%
STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	Untested
PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	Untested
RTE_NO	XXXXXX	Route number	Route ID Meeting	Park Input/FHWA Classification	Untested
RTE_NAME	(Text)	Route name	Route ID Meeting	Park Input	Untested. 50 characters fit in field
FUNCT_CLAS	X	Route functional classification	Route ID Meeting	Park Input/FHWA Classification	Untested
DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
BEG_MP_EST	999.999 (miles)	Estimated starting MP	Route ID Meeting	Park Input/FHWA Determination	Estimated before data collected
END_MP_EST	999.999 (miles)	Estimated ending MP	Route ID Meeting	Park Input/FHWA Determination	Estimated before data collected
RTE_LENGTH	999.999 (miles)	Collected route length	ARAN Data Collection	Automatic Output	100%
FROM_DESC	(Text)	Beginning terminus of route	Route ID Meeting	Park Input/FHWA Determination	Estimated before data collected. (2)
TO_DESC	(Text)	Ending terminus of route	Route ID Meeting	Park Input/FHWA Determination	Estimated before data collected. (2)
NO_LANES	X	Number of lanes in route	ARAN Data Collection	Survey Crew Input	Untested. (1)
SURF_TYPE	XX	Surface type of route	ARAN Data Collection	Survey Crew Input	Untested. (1)
COMP_DIR	XX	Compass direction of route's primary lane (nearest cardinal direction)	Route ID Meeting	Park Input/FHWA Determination	Untested
COMMENTS	(Text)	Special information, if any	Contractor Post-processing	Contractor Input	Untested
FILENAME	XXXXXXXXXX	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
SECTION	XXXXXX	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
DATE	DD/MM/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
BEG_MP	999.999 (miles)	Beginning MP collected	ARAN Data Collection	Automatic Output	100% (3)
END_MP	999.999 (miles)	Ending MP collected	ARAN Data Collection	Automatic Output	100% (3)

PMS_Feature Table Metadata:

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
RIP_CYCLE	X	3, for data collection cycle 3	Route ID Meeting	FHWA Determination	100%
STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	Untested
PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	Untested
RTE_NO	XXXXXXXX	Route number	Route ID Meeting	Park Input/FHWA Classification	Untested
FUNCT_CLAS	X	Route functional class	Route ID Meeting	Park Input/FHWA Classification	Untested
DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
MP	999.999 (miles)	Feature location along route	ARAN Data Collection/Contractor Post-processing	Survey Crew Input/Video Processing	Untested (4)
EVENT	XXXX	Event category of feature	Contractor Post-processing	Video Processing	Untested
EVENT_CODE	XXXX	Event sub-category of feature	Contractor Post-processing	Video Processing	Untested
EVENT_DESC	(Text)	Description of feature/contents of sign	Contractor Post-processing	Video Processing	Untested
MUTCD	"N/A"	N/A. Intended to be sign MUTCD code	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
CONDITION	XXX	Sign condition (G-D, F-R, P-R, N/A)	Contractor Post-processing	Video Processing	Untested (5)
COMMENT	(Text)	Sign label, intersecting route, etc.	Contractor Post-processing	Database Processing	Untested
OFFSET	"N/A"	N/A. Intended to be offset from pavement edge	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
SIDE	XXX	Side of route; "N/A" if not on one side	Contractor Post-processing	Video Processing	Untested
STR_NUMBER	XXXXXXXXXXXX	FHWA bridge structure number	FHWA Post-processing	Database Processing	Untested
GPS_LAT	"N/A"	N/A. Intended to be latitude coordinate	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
GPS_LON	"N/A"	N/A. Intended to be longitude coordinate	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
GPS_ELEV	"N/A"	N/A. Intended to be elevation	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
GPS_MODE	"N/A"	N/A. Intended to be GPS mode	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
VIDEO	<Park-C03VID-#>	Removable USB video hard drive number	Contractor Post-processing	Database Processing	Untested
IMAGE	(Text)	Filename of .jpg image showing feature	Contractor Post-processing	Automatic Output	Untested
DATE	DD/MM/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
FILENAME	XXXXXXXXXX	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
SECTION	XXXXXX	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
VISL_FROM	999999 (millimiles)	Raw MP of first video frame showing feature	Contractor Post-processing	Database Processing	Untested
VISL_TO	999999 (millimiles)	Raw MP of last video frame showing feature	Contractor Post-processing	Database Processing	Untested

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
IDKEY	(Text)	Unique record ID used by VisiData	Contractor Post-processing	Database Processing	Untested
MP_REF	(Text)	Range of mileage to play in VisiData	Contractor Post-processing	Database Processing	Untested

PMS 20, PMS Mile & PMS Visidata Tables Metadata:

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
RIP_CYCLE	X	3, for data collection cycle 3	Route ID Meeting	FHWA Determination	100%
STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	Untested
PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	Untested
RTE_NO	XXXXXX	Route number	Route ID Meeting	Park Input/FHWA Classification	Untested
FUNCT_CLASS	X	Route functional class	Route ID Meeting	Park Input/FHWA Classification	Untested
DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
BEG_MP	999.999 (miles)	MP at start of road interval described by database record	Contractor Post-processing	Database Processing	100% (3)
END_MP	999.999 (miles)	MP at end of road interval described by database record	Contractor Post-processing	Database Processing	100% (3)
INT_LENGTH	999.9 (ft)	Length of road interval as aggregated for data table	Contractor Post-processing	Database Processing	100%
RTE_LENGTH	999.999 (miles)	Collected route length	ARAN Data Collection	Automatic Output	100%
NO_LANES	X	Number of lanes in route	ARAN Data Collection	Survey Crew Input	Untested. (1)
LANE_NO	X	Data collection lane	Contractor Post-processing	Database Processing	Untested
WX_LANE_WIDTH	99.999 (ft)	WiseCrax (crack detection software) analysis width	Contractor Post-processing	Automatic Output	Untested
LANE_WIDTH	99.999 (ft)	Width of lane	Contractor Post-processing	Video Processing	Untested
PAVE_WIDTH	99.999 (ft)	Full pavement width	Contractor Post-processing	Video Processing	Untested
SHLD_WIDTH_L	99.999 (ft)	Left shoulder width	Contractor Post-processing	Video Processing	Untested
SHLD_WIDTH_R	99.999 (ft)	Right shoulder width	Contractor Post-processing	Video Processing	Untested
SHLD_COND_L	XXXX	Left shoulder condition	ARAN Data Collection	Survey Crew Input	Untested
SHLD_COND_R	XXXX	Right shoulder condition	ARAN Data Collection	Survey Crew Input	Untested
DRAIN_COND_L	XXXX	Left drainage condition	ARAN Data Collection	Survey Crew Input	Untested
DRAIN_COND_R	XXXX	Right drainage condition	ARAN Data Collection	Survey Crew Input	Untested
SURF_TYPE	XX	Surface type of route	ARAN Data Collection	Survey Crew Input	Untested. (1)
PCR	999	Pavement Condition Rating	Contractor Post-processing	Database Processing	100% for calculation (6)
RCI	999	Roughness Condition Index; -1 if invalid IRI	Contractor Post-processing	Database Processing	100% for calculation

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
SCR	999	Surface Condition Rating	Contractor Post-processing	Database Processing	100% for calculation (6)
IRI_AVG	999.9 (inches/mile)	Average IRI	Contractor Post-processing	Database Processing	Untested
IRI_SD	999.9 (inches/mile)	IRI standard deviation	Contractor Post-processing	Database Processing	Untested
IRI_L	999.9 (inches/mile)	Left wheel path IRI	ARAN Data Collection	Automatic Output	Untested
IRI_R	999.9 (inches/mile)	Right wheel path IRI	ARAN Data Collection	Automatic Output	Untested
IRI_FLAG	0 or -1	-1 if invalid IRI data	Contractor Post-processing	Database Processing	Untested
RUT_INDEX	999	Rut index	Contractor Post-processing	Database Processing	100% for calculation (6)
RUT_AVG	99.99 (inches)	Average rut depth of both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
RUT_MAX	99.99 (inches)	Maximum rut depth of both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
RUT_SD	9.9	Rut depth standard deviation	Contractor Post-processing	Database Processing	Untested (6)
RUT_LOW	999 (%)	Percent of low severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
RUT_MED	999 (%)	Percent of medium severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
RUT_HI	999 (%)	Percent of high severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
XFALL	999.9 (% slope)	Cross fall at start of road interval	ARAN Data Collection	Automatic Output	Precise but inaccurate. Not reported in Cycle 4
GRADE	999.9 (% slope)	Grade at start of road interval	ARAN Data Collection	Automatic Output	Precise but inaccurate. Not reported in Cycle 4
AC_INDEX	999	Alligator cracking index	Contractor Post-processing	Database Processing	100% for calculation (6)
AC_LOW	999.9999 (%)	Percent of WiseCrax measured lane area with low-severity alligator cracking	Contractor Post-processing	Automatic Output	(6) (7)
AC_MED	999.9999 (%)	Percent of WiseCrax measured lane area with medium-severity alligator cracking	Contractor Post-processing	Automatic Output	(6) (7)
AC_HI	999.9999 (%)	Percent of WiseCrax measured lane area with high-severity alligator cracking	Contractor Post-processing	Automatic Output	(6) (7)
LC_INDEX	999	Longitudinal cracking index	Contractor Post-processing	Database Processing	100% for calculation (6)
LC_LOW	999.99 (%)	Low-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Automatic Output	(6) (7)
LC_MED	999.99 (%)	Medium-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Automatic Output	(6) (7)
LC_HI	999.99 (%)	High-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Automatic Output	(6) (7)
TC_INDEX	999	Transverse cracking index	Contractor Post-processing	Database Processing	100% for calculation (6)
TC_LOW	999.99 (cracks)	Count of low-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Automatic Output	(6) (7)
TC_MED	999.99 (cracks)	Count of medium-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Automatic Output	(6) (7)
TC_HI	999.99 (cracks)	Count of high-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Automatic Output	(6) (7)
PATCH_INDEX	999	Patching index	Contractor Post-processing	Database Processing	100% for calculation (6)

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
PATCHING	999.9999 (%)	Percent of WiseCrax measured lane area affected by patching	Contractor Post-processing	Manual Pavement Video Processing	Untested (6)
GPS_LAT	999.9999999	Latitude coordinate	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_LON	-999.9999999	Longitude coordinate	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_ELEV	999999.9	Elevation	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_MODE	XXX	GPS mode during collection	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
VIDEO	<Par/>-C03VID<#>	Removable USB video hard drive number	Contractor Post-processing	Database Processing	Untested
IMAGE	(Text)	Filename of .jpg image showing road interval	Contractor Post-processing	Automatic Output	Untested
SPEED	999 (miles/hour)	Average ARAN speed during data collection	ARAN Data Collection	Automatic Output	Untested
BRIDGE_FLAG	0 or 1	Flag indicating presence of bridge in interval	ARAN Data Collection	Survey Crew Input	Untested
CONSTR_FLAG	0 or 1	Flag indicating construction in interval	ARAN Data Collection	Survey Crew Input	Untested
LANEDEV_FLG	0 or 1	Flag indicating lane deviation in interval	ARAN Data Collection	Survey Crew Input	Untested
DATE	DD/MM/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
NODISTRESS	0 OR 1	Flag indicating absence of pavement distress	Contractor Post-processing	Database Processing	100%
FILENAME	XXXXXXXXXX	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
SECTION	XXXXXX	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
VISL_FROM	999999 (millimiles)	Raw MP of first video frame in section	Contractor Post-processing	Database Processing	Untested
VISL_TO	999999 (millimiles)	Raw MP of last video frame in section	Contractor Post-processing	Database Processing	Untested
IDKEY	(Text)	Unique record ID used by VisiData	Contractor Post-processing	Database Processing	Untested
MP_REF	(Text)	Range of mileage to play in VisiData	Contractor Post-processing	Database Processing	Untested

Cycle 3 Shapefile Metadata

Metadata is provided for all shapefiles used for the creation of RIP report documents. The metadata for each shapefile associated with the park can be found in Section 10 of the PDF report provided on your park CD.

All shapefiles have the following spatial characteristics:

Geographic_Coordinate_Units: Decimal degrees
Spheroid: WGS 1984

bica_seg

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
 - [Spatial Data Organization Information](#)
 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: bica_seg

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Routes

Purpose: Road Inventory Program

Supplemental_Information:

Data created by The TSR Group from GPS coordinates provided in the PMS_20 table. The shapefile is processed to aggregate adjacent segments with the same PCR rating.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -108.296288

East_Bounding_Coordinate: -107.869202

North_Bounding_Coordinate: 45.331444

South_Bounding_Coordinate: 44.950722

Keywords:

Theme:

Theme_Keyword_Thesaurus: BICA

Theme_Keyword: BICA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog
8.3.0.800

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for routes

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 222

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: bica_seg

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: FNODE_

Attribute_Definition: Length of feature

Attribute_Definition_Source: ESRI

Attribute:

Attribute_Label: TNODE_

Attribute:

Attribute_Label: LPOLY_

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RPOLY_

Attribute_Definition: Collected route length

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: LENGTH

Attribute_Definition:

Numeric PCR definition. Average PCR value based on programatic averaging of adjacent segments.

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0

Range_Domain_Maximum: 100

Attribute:

Attribute_Label: BICA_SEG_

Attribute_Definition: Verbal PCR definition based on value in PCRAV field

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: POOR

Enumerated_Domain_Value_Definition: PCR value <= 60
Enumerated_Domain:
Enumerated_Domain_Value: FAIR
Enumerated_Domain_Value_Definition: PCR value 61-84
Enumerated_Domain:
Enumerated_Domain_Value: GOOD
Enumerated_Domain_Value_Definition: PCR value 85-94
Enumerated_Domain:
Enumerated_Domain_Value: EXCELLENT
Enumerated_Domain_Value_Definition: PCR value 95-100

Attribute:

Attribute_Label: BICA_SEG_I

Attribute_Definition: Indicates whether feature has been edited for graphic purposes.

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition: No edit made to feature.

Attribute:

Attribute_Label: ID

Attribute:

Attribute_Label: RTE_NO

Attribute:

Attribute_Label: BMP

Attribute:

Attribute_Label: EMP

Attribute:

Attribute_Label: PCR

Attribute:

Attribute_Label: PCR_RATE

Attribute:

Attribute_Label: RT_LENGTH

Attribute:

Attribute_Label: PCRMI

Attribute:

Attribute_Label: PCR_RATEMI

Attribute:

Attribute_Label: PCR_RATEAV

Attribute:

Attribute_Label: PCRAV

Attribute:

Attribute_Label: TSR_EDIT

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20060124
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>
Profile_Name: ESRI Metadata Profile

Generated by [mp](#) version 2.7.33 on Tue Jan 24 09:54:55 2006

bica_mi_pt

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
 - [Spatial Data Organization Information](#)
 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: bica_mi_pt

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Mile Points

Purpose: Road Inventory Program

Supplemental_Information:

Data created by The TSR Group from GPS coordinates provided in the PMS_20 table. All attributes found in the PMS_20 table are found on the miles points.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: Not Available

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -108.296432

East_Bounding_Coordinate: -107.869202

North_Bounding_Coordinate: 45.331444

South_Bounding_Coordinate: 44.950455

Keywords:

Theme:

Theme_Keyword_Thesaurus: BICA

Theme_Keyword: BICA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD Sterling

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for mile points

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Entity point

Point_and_Vector_Object_Count: 54

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: bica_mi_pt

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: RIP_CYCLE

Attribute_Definition: 3, for data collection cycle 3

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: STATE

Attribute_Definition: State where route is located

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: PARK_NO

Attribute_Definition: Park numeric code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: FUNCT_CLAS

Attribute_Definition: Route functional class

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: DIRECTION

Attribute_Definition: Survey lane: PRI (primary) or OPP (opposite)

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: BEG_MP

Attribute_Definition: MP at end of road interval described by database record

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: END_MP

Attribute_Definition: MP at end of road interval described by database record

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: INT_LENGTH

Attribute_Definition: Length of road interval as aggregated from data table

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: RTE_LENGTH

Attribute_Definition: Collected route length

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: NO_LANES

Attribute_Definition: Number of lanes in route

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: LANE_NO

Attribute_Definition: Data collection lane

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: WX_LANE_WI

Attribute_Definition: WiseCrax (crack detection software) analysis width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: LANE_WIDTH

Attribute_Definition: Width of lane

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: PAVE_WIDTH

Attribute_Definition: Full pavement width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SHLD_WIDTH

Attribute_Definition: Left shoulder width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SHLD_WID_1

Attribute_Definition: Right shoulder width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SHLD_COND_

Attribute_Definition: Left shoulder condition

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: SHLD_COND1

Attribute_Definition: Right shoulder condition

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: DRAIN_COND
Attribute_Definition: Left drainage condition
Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: DRAIN_CO_1
Attribute_Definition: Right drainage condition
Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: PCR
Attribute_Definition: Pavement Condition Rating
Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: RCI
Attribute_Definition: Roughness Condition Index; -1 if invalid IRI
Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SCR
Attribute_Definition: Surface Condition Rating
Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: IRI_AVG
Attribute_Definition: Average IRI
Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: IRI_SD
Attribute_Definition: IRI Standard Deviation
Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: IRI_L
Attribute_Definition: Left wheel path IRI
Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: IRI_R
Attribute_Definition: Right wheel path IRI
Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: IRI_FLAG
Attribute_Definition: -1 if invalid IRI data
Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: RUT_INDEX
Attribute_Definition: Rut index
Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: RUT_AVG
Attribute_Definition: Average rut depth of both wheelpaths
Attribute_Definition_Source: Contractor Post-processing

*Attribute:**Attribute_Label:* RUT_MAX*Attribute_Definition:* Maximum rut depth of both wheelpaths*Attribute_Definition_Source:* Contractor Post-processing*Attribute:**Attribute_Label:* RUT_SD*Attribute_Definition:* Rut depth standard deviation*Attribute_Definition_Source:* Contractor Post-processing*Attribute:**Attribute_Label:* RUT_LOW*Attribute_Definition:*

Percent of low severity ruts (on a 0-200% scale) in both wheelpaths

Attribute_Definition_Source: Contractor Post-processing*Attribute:**Attribute_Label:* RUT_MED*Attribute_Definition:*

Percent of medium severity ruts (on a 0-200% scale) in both wheelpaths

Attribute_Definition_Source: Contractor Post-processing*Attribute:**Attribute_Label:* RUT_HI*Attribute_Definition:*

Percent of high severity ruts (on a 0-200% scale) in both wheelpaths

Attribute_Definition_Source: Contractor Post-processing*Attribute:**Attribute_Label:* XFALL*Attribute_Definition:* Cross fall at start of road interval*Attribute_Definition_Source:* ARAN Data Collection*Attribute:**Attribute_Label:* GRADE*Attribute_Definition:* Grade at start of road interval*Attribute_Definition_Source:* ARAN Data Collection*Attribute:**Attribute_Label:* AC_INDEX*Attribute_Definition:* Alligator cracking index*Attribute_Definition_Source:* Contractor Post-processing*Attribute:**Attribute_Label:* AC_LOW*Attribute_Definition:*

Percent of WiseCrax measured lane area with low-severity alligator cracking

Attribute_Definition_Source: Contractor Post-processing*Attribute:**Attribute_Label:* AC_MED*Attribute_Definition:*

Percent of WiseCrax measured lane area with medium-severity alligator cracking

Attribute_Definition_Source: Contractor Post-processing*Attribute:**Attribute_Label:* AC_HI*Attribute_Definition:*

Percent of WiseCrax measured lane area with high-severity alligator cracking

Attribute_Definition_Source: Contractor Post-processing

*Attribute:**Attribute_Label:* LC_INDEX*Attribute_Definition:* Longitudinal cracking index*Attribute_Definition_Source:* Contractor Post-processing*Attribute:**Attribute_Label:* LC_LOW*Attribute_Definition:*

Low-severity longitudinal cracking in lane as a percentage of road interval length

Attribute_Definition_Source: Contractor Post-processing*Attribute:**Attribute_Label:* LC_MED*Attribute_Definition:*

Medium-severity longitudinal cracking in lane as a percentage of road interval length

Attribute_Definition_Source: Contractor Post-processing*Attribute:**Attribute_Label:* LC_HI*Attribute_Definition:*

High-severity longitudinal cracking in lane as a percentage of road interval length

Attribute_Definition_Source: Contractor Post-processing*Attribute:**Attribute_Label:* TC_INDEX*Attribute_Definition:* Transverse cracking index*Attribute_Definition_Source:* Contractor Post-processing*Attribute:**Attribute_Label:* TC_LOW*Attribute_Definition:*

Count of low-severity transverse cracks, where one crack unit equals the WiseCrax measured land width

Attribute_Definition_Source: Contractor Post-processing*Attribute:**Attribute_Label:* TC_MED*Attribute_Definition:*

Count of medium-severity transverse cracks, where one crack unit equals the WiseCrax measured land width

Attribute_Definition_Source: Contractor Post-processing*Attribute:**Attribute_Label:* TC_HI*Attribute_Definition:*

Count of high-severity transverse cracks, where one crack unit equals the WiseCrax measured land width

Attribute_Definition_Source: Contractor Post-processing*Attribute:**Attribute_Label:* PATCH_INDE*Attribute_Definition:* Patching index*Attribute_Definition_Source:* Contractor Post-processing*Attribute:**Attribute_Label:* PATCHING*Attribute_Definition:* Percent of WiseCrax measured lane area affected by patching

Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: GPS_LAT
Attribute_Definition: Latitude coordinate
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: GPS_LON
Attribute_Definition: Longitude coordinate
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: GPS_ELEV
Attribute_Definition: Elevation
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: GPS_MODE
Attribute_Definition: GPS mode during collection
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: VIDEO
Attribute_Definition: Removable USB video hard drive number
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: IMAGE
Attribute_Definition: Filename of .jpg image showing road interval
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: SPEED
Attribute_Definition: Average ARAN speed during data collection
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: BRIDGE_FL
Attribute_Definition: Flag indicating presence of bridge in interval
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: CONSTR_FL
Attribute_Definition: Flag indicating construction in interval
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: LANEDEV_FL
Attribute_Definition: Flag indicating lane deviation in interval
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: DATE
Attribute_Definition: Data collection date
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: NODISTRESS
Attribute_Definition: Flag indicating absence of pavement distress
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: FILENAME

Attribute_Definition: Filename of raw data files
Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: SECTION
Attribute_Definition: route section ID
Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection

Attribute:

Attribute_Label: FKEY
Attribute_Definition: Unique record ID
Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: VISI_FROM
Attribute_Definition: Raw MP of first video frame in section
Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: VISI_TO
Attribute_Definition: Raw MP of last video frame in section
Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: IDKEY
Attribute_Definition: Unique record ID used by VisiData
Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: MP_REF
Attribute_Definition: Range of mileage to play in VisiData
Attribute_Definition_Source: Contractor Post-processing

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.030

Metadata_Reference_Information:

Metadata_Date: 20060124

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: EFLHD Sterling

Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile

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bica_mrl_03_map

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
 - [Spatial Data Organization Information](#)
 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Published Materials

Title: bica_mrl_03_map

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Copy of Manually Rated Roads - Lines

Purpose: Road Inventory Program

Supplemental_Information:

This shapefile is a copy of the source manually rated lines shapefile. The features are edited as needed for graphic purposes.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 10/29/1999

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -108.265757

East_Bounding_Coordinate: -107.951214

North_Bounding_Coordinate: 45.311621

South_Bounding_Coordinate: 44.961474

Keywords:

Theme:

Theme_Keyword_Thesaurus: BICA

Theme_Keyword: BICA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for parking areas

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 6

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: bica_mrl_03_map

Entity_Type_Definition_Source: GPS

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Enumerated_Domain:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route Number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NAME

Attribute_Definition: Route Name

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: SECTION_

Attribute_Definition: Route Section ID

Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection

Attribute:

Attribute_Label: SURF_TYPE

Attribute_Definition: Surface type of route

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: CONDITION

Attribute_Definition: Condition rating

Attribute_Domain_Values:

Attribute:

Attribute_Label: COMMENT

Attribute_Definition: Field comment

Attribute:

Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS Collection

Attribute:

Attribute_Label: DATAFILE

Attribute:

Attribute_Label: PAVE_WIDTH
Attribute_Definition: Width of the paved area

Attribute:

Attribute_Label: PAVED_MI
Attribute_Definition: Calculated paved miles

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.037

Metadata_Reference_Information:

Metadata_Date: 20060124

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: EFLHD Sterling

Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile

Generated by [mp](#) version 2.7.33 on Tue Jan 24 09:52:58 2006

bica_mrl_03

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
 - [Spatial Data Organization Information](#)
 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Published Materials

Title: bica_mrl_03

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Manually Rated Roads - Lines

Purpose: Road Inventory Program

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 10/29/1999

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -108.265757

East_Bounding_Coordinate: -107.951214

North_Bounding_Coordinate: 45.311621

South_Bounding_Coordinate: 44.961474

Keywords:

Theme:

Theme_Keyword_Thesaurus: BICA

Theme_Keyword: BICA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

*Contact_Person_Primary:**Contact_Person:* Dan VanGilder*Contact_Organization:* EFLHD*Contact_Position:* GIS Coordinator*Contact_Address:**Address_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State_or_Province:* Virginia*Postal_Code:* 20166*Country:* United States*Contact_Voice_Telephone:* 703-404-6361*Contact_Electronic_Mail_Address:* dvangilder@fhwa.dot.gov*Native_Data_Set_Environment:*

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog
8.3.0.800

*Data_Quality_Information:**Attribute_Accuracy:**Attribute_Accuracy_Report:* Good*Completeness_Report:* Complete for parking areas*Lineage:**Source_Information:**Type_of_Source_Media:* GPS*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* String*Point_and_Vector_Object_Count:* 6*Spatial_Reference_Information:**Horizontal_Coordinate_System_Definition:**Geographic:**Latitude_Resolution:* 0.000000*Longitude_Resolution:* 0.000000*Geographic_Coordinate_Units:* Decimal degrees*Geodetic_Model:**Horizontal_Datum_Name:* North American Datum of 1927*Ellipsoid_Name:* Clarke 1866*Semi-major_Axis:* 6378206.400000*Denominator_of_Flattening_Ratio:* 294.978698

*Entity_and_Attribute_Information:**Detailed_Description:**Entity_Type:**Entity_Type_Label:* bica_mrl_03*Entity_Type_Definition_Source:* GPS*Attribute:**Attribute_Label:* FID*Attribute_Definition:* Internal feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Enumerated_Domain:**Unrepresentable_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:**Attribute_Label:* Shape*Attribute_Definition:* Feature geometry.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:* Coordinates defining the features.*Attribute:**Attribute_Label:* PARK_ALPHA*Attribute_Definition:* Park alpha code*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* RTE_NO*Attribute_Definition:* Route Number*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* RTE_NAME*Attribute_Definition:* Route Name*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* SECTION_*Attribute_Definition:* Route Section ID*Attribute_Definition_Source:* Route ID Meeting / ARAN Data Collection*Attribute:**Attribute_Label:* SURF_TYPE*Attribute_Definition:* Surface type of route*Attribute_Definition_Source:* ARAN Data Collection*Attribute:**Attribute_Label:* CONDITION*Attribute_Definition:* Condition rating*Attribute_Domain_Values:**Attribute:**Attribute_Label:* COMMENT*Attribute_Definition:* Field comment*Attribute:**Attribute_Label:* GPS_DATE*Attribute_Definition:* Date of GPS Collection*Attribute:**Attribute_Label:* DATAFILE

*Attribute:**Attribute_Label:* PAVE_WIDTH*Attribute_Definition:* Width of the paved area*Attribute:**Attribute_Label:* PAVED_MI*Attribute_Definition:* Calculated paved miles

*Distribution_Information:**Resource_Description:* Downloadable Data*Standard_Order_Process:**Digital_Form:**Digital_Transfer_Information:**Transfer_Size:* 0.037

*Metadata_Reference_Information:**Metadata_Date:* 20060124*Metadata_Contact:**Contact_Information:**Contact_Organization_Primary:**Contact_Organization:* EFLHD Sterling*Contact_Person:* Dan VanGilder*Contact_Position:* GIS Coordinator*Contact_Address:**Address_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State_or_Province:* Virginia*Postal_Code:* 20166*Country:* United States*Contact_Voice_Telephone:* 703-404-6361*Contact_Electronic_Mail_Address:* dvangilder@fhwa.dot.gov*Metadata_Standard_Name:* FGDC Content Standards for Digital Geospatial Metadata*Metadata_Standard_Version:* FGDC-STD-001-1998*Metadata_Time_Convention:* local time*Metadata_Extensions:**Online_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>*Profile_Name:* ESRI Metadata Profile

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bica_mrp_03_map

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
 - [Spatial Data Organization Information](#)
 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Unknown

Title: bica_mrp_03_map

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Manually Rated Roads - Polygons

Purpose: Road Inventory Program

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 10/29/1999

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -108.261360

East_Bounding_Coordinate: -107.931020

North_Bounding_Coordinate: 45.311670

South_Bounding_Coordinate: 44.831722

Keywords:

Theme:

Theme_Keyword_Thesaurus: BICA

Theme_Keyword: BICA

Access_Constraints: None

Use_Constraints: None

Point_of_Contact:

Contact_Information:

*Contact_Person_Primary:**Contact_Person:* Dan VanGilder*Contact_Organization:* EFLHD*Contact_Position:* GIS Coordinator*Contact_Address:**Address_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State_or_Province:* Virginia*Postal_Code:* 20166*Country:* United States*Contact_Voice_Telephone:* 703-404-6361*Contact_Electronic_Mail_Address:* dvangilder@fhwa.dot.gov*Native_Data_Set_Environment:*

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

*Data_Quality_Information:**Attribute_Accuracy:**Attribute_Accuracy_Report:* Good*Completeness_Report:* Complete for manually rated roads.*Lineage:**Source_Information:**Type_of_Source_Media:* GPS

*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* G-polygon*Point_and_Vector_Object_Count:* 3

*Spatial_Reference_Information:**Horizontal_Coordinate_System_Definition:**Geographic:**Latitude_Resolution:* 0.000000*Longitude_Resolution:* 0.000000*Geographic_Coordinate_Units:* Decimal degrees*Geodetic_Model:**Horizontal_Datum_Name:* North American Datum of 1927*Ellipsoid_Name:* Clarke 1866*Semi-major_Axis:* 6378206.400000*Denominator_of_Flattening_Ratio:* 294.978698

*Entity_and_Attribute_Information:**Detailed_Description:**Entity_Type:**Entity_Type_Label:* bica_mrp_03_map*Attribute:**Attribute_Label:* FID*Attribute_Definition:* Internal feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:**Attribute_Label:* Shape*Attribute_Definition:* Feature geometry.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:* Coordinates defining the features.*Attribute:**Attribute_Label:* PARK_ALPHA*Attribute_Definition:* Park alpha code*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* RTE_NO*Attribute_Definition:* Route Number*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* RTE_NAME*Attribute_Definition:* Route Name*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* SECTION_*Attribute_Definition:* Route section ID*Attribute:**Attribute_Label:* SURF_TYPE*Attribute_Definition:* Surface type of route*Attribute:**Attribute_Label:* CONDITION*Attribute_Definition:* Condition rating*Attribute:**Attribute_Label:* COMMENT*Attribute_Definition:* Field comment*Attribute:**Attribute_Label:* GPS_DATE*Attribute_Definition:* Date of GPS collection*Attribute:**Attribute_Label:* DATAFILE*Attribute:**Attribute_Label:* SQ_FT*Attribute_Definition:* Area of manually rated road in square feet

*Distribution_Information:**Resource_Description:* Downloadable Data*Standard_Order_Process:**Digital_Form:**Digital_Transfer_Information:**Transfer_Size:* 0.187

*Metadata_Reference_Information:**Metadata_Date:* 20060124*Metadata_Contact:**Contact_Information:**Contact_Organization_Primary:**Contact_Organization:* EFLHD Sterling*Contact_Person:* Dan VanGilder*Contact_Position:* GIS Coordinator*Contact_Address:**Address_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State_or_Province:* Virginia*Postal_Code:* 20166*Country:* United States*Contact_Voice_Telephone:* 703-404-6361*Contact_Electronic_Mail_Address:* dvangilder@fhwa.dot.gov*Metadata_Standard_Name:* FGDC Content Standards for Digital Geospatial Metadata*Metadata_Standard_Version:* FGDC-STD-001-1998*Metadata_Time_Convention:* local time*Metadata_Extensions:**Online_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>*Profile_Name:* ESRI Metadata Profile

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bica_mrp_03

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
 - [Spatial Data Organization Information](#)
 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Unknown

Title: bica_mrp_03

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Manually Rated Roads - Polygons

Purpose: Road Inventory Program

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 10/29/1999

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -108.261360

East_Bounding_Coordinate: -107.931020

North_Bounding_Coordinate: 45.311670

South_Bounding_Coordinate: 44.831722

Keywords:

Theme:

Theme_Keyword_Thesaurus: BICA

Theme_Keyword: BICA

Access_Constraints: None

Use_Constraints: None

Point_of_Contact:

Contact_Information:

*Contact_Person_Primary:**Contact_Person:* Dan VanGilder*Contact_Organization:* EFLHD*Contact_Position:* GIS Coordinator*Contact_Address:**Address_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State_or_Province:* Virginia*Postal_Code:* 20166*Country:* United States*Contact_Voice_Telephone:* 703-404-6361*Contact_Electronic_Mail_Address:* dvangilder@fhwa.dot.gov*Native_Data_Set_Environment:*

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

*Data_Quality_Information:**Attribute_Accuracy:**Attribute_Accuracy_Report:* Good*Completeness_Report:* Complete for manually rated roads.*Lineage:**Source_Information:**Type_of_Source_Media:* GPS*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* G-polygon*Point_and_Vector_Object_Count:* 3*Spatial_Reference_Information:**Horizontal_Coordinate_System_Definition:**Geographic:**Latitude_Resolution:* 0.000000*Longitude_Resolution:* 0.000000*Geographic_Coordinate_Units:* Decimal degrees*Geodetic_Model:**Horizontal_Datum_Name:* North American Datum of 1927*Ellipsoid_Name:* Clarke 1866*Semi-major_Axis:* 6378206.400000*Denominator_of_Flattening_Ratio:* 294.978698

*Entity_and_Attribute_Information:**Detailed_Description:**Entity_Type:**Entity_Type_Label:* bica_mrp_03*Attribute:**Attribute_Label:* FID*Attribute_Definition:* Internal feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:**Attribute_Label:* Shape*Attribute_Definition:* Feature geometry.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:* Coordinates defining the features.*Attribute:**Attribute_Label:* PARK_ALPHA*Attribute_Definition:* Park alpha code*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* RTE_NO*Attribute_Definition:* Route Number*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* RTE_NAME*Attribute_Definition:* Route Name*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* SECTION_*Attribute_Definition:* Route section ID*Attribute:**Attribute_Label:* SURF_TYPE*Attribute_Definition:* Surface type of route*Attribute:**Attribute_Label:* CONDITION*Attribute_Definition:* Condition rating*Attribute:**Attribute_Label:* COMMENT*Attribute_Definition:* Field comment*Attribute:**Attribute_Label:* GPS_DATE*Attribute_Definition:* Date of GPS collection*Attribute:**Attribute_Label:* DATAFILE*Attribute:**Attribute_Label:* SQ_FT*Attribute_Definition:* Area of manually rated road in square feet

*Distribution_Information:**Resource_Description:* Downloadable Data*Standard_Order_Process:**Digital_Form:**Digital_Transfer_Information:**Transfer_Size:* 0.187

*Metadata_Reference_Information:**Metadata_Date:* 20060124*Metadata_Contact:**Contact_Information:**Contact_Organization_Primary:**Contact_Organization:* EFLHD Sterling*Contact_Person:* Dan VanGilder*Contact_Position:* GIS Coordinator*Contact_Address:**Address_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State_or_Province:* Virginia*Postal_Code:* 20166*Country:* United States*Contact_Voice_Telephone:* 703-404-6361*Contact_Electronic_Mail_Address:* dvangilder@fhwa.dot.gov*Metadata_Standard_Name:* FGDC Content Standards for Digital Geospatial Metadata*Metadata_Standard_Version:* FGDC-STD-001-1998*Metadata_Time_Convention:* local time*Metadata_Extensions:**Online_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>*Profile_Name:* ESRI Metadata Profile

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bica_nonnps

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
 - [Spatial Data Organization Information](#)
 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: bica_nonnps

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: non-NPS roads

Purpose: Road Inventory Program

Supplemental_Information:

Data created by The TSR Group from heads-up digitizing of roads representing non-NPS roads for graphic purposes

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -122.064907

East_Bounding_Coordinate: -122.062400

North_Bounding_Coordinate: 42.770833

South_Bounding_Coordinate: 42.770203

Keywords:

Theme:

Theme_Keyword_Thesaurus: BICA

Theme_Keyword: BICA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for non-NPS roads

Lineage:

Source_Information:

Type_of_Source_Media: Heads-up digitized

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 0

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: bica_nonnps

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: Id

Attribute_Definition: Name of road if available

Attribute:

Attribute_Label: Name

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.008

Metadata_Reference_Information:

Metadata_Date: 20060124

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: EFLHD Sterling

Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile

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bica_pkg_03_map

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
 - [Spatial Data Organization Information](#)
 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Unknown

Title: bica_pkg_03_map

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Copy of Parking Areas

Purpose: Road Inventory Program

Supplemental_Information:

This shapefile is a copy of the source parking shapefile. The features are edited as needed for graphic purposes.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 10/26/1999

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -108.378249

East_Bounding_Coordinate: -107.919427

North_Bounding_Coordinate: 45.319902

South_Bounding_Coordinate: 44.837288

Keywords:

Theme:

Theme_Keyword_Thesaurus: BICA

Theme_Keyword: BICA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for parking areas

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: G-polygon

Point_and_Vector_Object_Count: 25

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: bica_pkg_03_map

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NAME

Attribute_Definition: Route name

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: FEATURE

Attribute:

Attribute_Label: SURF_TYPE

Attribute_Definition: Surface type of route

Attribute_Domain_Values:

Attribute:

Attribute_Label: CONDITION

Attribute_Definition: Condition rating for route

Attribute:

Attribute_Label: PHOTOS

Attribute_Definition: Photo filename associated with feature

Attribute:

Attribute_Label: COMMENT

Attribute_Definition: Field comment

Attribute:

Attribute_Label: GPS_DATE

Attribute_Definition: Date of GPS collection

*Attribute:**Attribute_Label:* DATAFILE*Attribute:**Attribute_Label:* SQ_FT*Attribute_Definition:* Feature area in square feet

*Distribution_Information:**Resource_Description:* Downloadable Data*Standard_Order_Process:**Digital_Form:**Digital_Transfer_Information:**Transfer_Size:* 0.018

*Metadata_Reference_Information:**Metadata_Date:* 20060124*Metadata_Contact:**Contact_Information:**Contact_Organization_Primary:**Contact_Organization:* EFLHD Sterling*Contact_Person:* Dan VanGilder*Contact_Position:* GIS Coordinator*Contact_Address:**Address_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State_or_Province:* Virginia*Postal_Code:* 20166*Country:* United States*Contact_Voice_Telephone:* 703-404-6361*Contact_Electronic_Mail_Address:* dvangilder@fhwa.dot.gov*Metadata_Standard_Name:* FGDC Content Standards for Digital Geospatial Metadata*Metadata_Standard_Version:* FGDC-STD-001-1998*Metadata_Time_Convention:* local time*Metadata_Extensions:**Online_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>*Profile_Name:* ESRI Metadata Profile

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bica_pkg_03

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
 - [Spatial Data Organization Information](#)
 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Unknown

Title: bica_pkg_03

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Parking Areas

Purpose: Road Inventory Program

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 10/26/1999

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -108.378249

East_Bounding_Coordinate: -107.919427

North_Bounding_Coordinate: 45.319902

South_Bounding_Coordinate: 44.837288

Keywords:

Theme:

Theme_Keyword_Thesaurus: BICA

Theme_Keyword: BICA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

*Contact_Person_Primary:**Contact_Person:* Dan VanGilder*Contact_Organization:* EFLHD*Contact_Position:* GIS Coordinator*Contact_Address:**Address_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State_or_Province:* Virginia*Postal_Code:* 20166*Country:* United States*Contact_Voice_Telephone:* 703-404-6361*Contact_Electronic_Mail_Address:* dvangilder@fhwa.dot.gov*Native_Data_Set_Environment:*

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

*Data_Quality_Information:**Attribute_Accuracy:**Attribute_Accuracy_Report:* Good*Completeness_Report:* Complete for parking areas*Lineage:**Source_Information:**Type_of_Source_Media:* GPS

*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* G-polygon*Point_and_Vector_Object_Count:* 25

*Spatial_Reference_Information:**Horizontal_Coordinate_System_Definition:**Geographic:**Latitude_Resolution:* 0.000000*Longitude_Resolution:* 0.000000*Geographic_Coordinate_Units:* Decimal degrees*Geodetic_Model:**Horizontal_Datum_Name:* North American Datum of 1927*Ellipsoid_Name:* Clarke 1866*Semi-major_Axis:* 6378206.400000*Denominator_of_Flattening_Ratio:* 294.978698

*Entity_and_Attribute_Information:**Detailed_Description:**Entity_Type:**Entity_Type_Label:* bica_pkg_03*Attribute:**Attribute_Label:* FID*Attribute_Definition:* Internal feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:**Attribute_Label:* Shape*Attribute_Definition:* Feature geometry.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:* Coordinates defining the features.*Attribute:**Attribute_Label:* PARK_ALPHA*Attribute_Definition:* Park alpha code*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* RTE_NO*Attribute_Definition:* Route number*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* RTE_NAME*Attribute_Definition:* Route name*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* FEATURE*Attribute:**Attribute_Label:* SURF_TYPE*Attribute_Definition:* Surface type of route*Attribute_Domain_Values:**Attribute:**Attribute_Label:* CONDITION*Attribute_Definition:* Condition rating for route*Attribute:**Attribute_Label:* PHOTOS*Attribute_Definition:* Photo filename associated with feature*Attribute:**Attribute_Label:* COMMENT*Attribute_Definition:* Field comment*Attribute:**Attribute_Label:* GPS_DATE*Attribute_Definition:* Date of GPS collection*Attribute:**Attribute_Label:* DATAFILE*Attribute:**Attribute_Label:* SQ_FT

Attribute_Definition: Feature area in square feet

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.018

Metadata_Reference_Information:

Metadata_Date: 20060124

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: EFLHD Sterling

Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile

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bica_mi

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
 - [Spatial Data Organization Information](#)
 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: bica_mi

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Routes

Purpose: Road Inventory Program

Supplemental_Information:

Data created by The TSR Group from GPS coordinates provided in the PMS_20 table. The shapefile is processed to aggregate adjacent segments with the same PCR rating provided in the PMS_mile table.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -108.296432

East_Bounding_Coordinate: -107.869202

North_Bounding_Coordinate: 45.331444

South_Bounding_Coordinate: 44.950455

Keywords:

Theme:

Theme_Keyword_Thesaurus: BICA

Theme_Keyword: BICA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog
8.3.0.800

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for routes

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 45

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: bica_mi

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: FNODE_

Attribute_Definition: Length of feature

Attribute_Definition_Source: ESRI

Attribute:

Attribute_Label: TNODE_

Attribute:

Attribute_Label: LPOLY_

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RPOLY_

Attribute_Definition: Collected route length

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: LENGTH

Attribute_Definition: Numeric PCR definition

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0

Range_Domain_Maximum: 100

Attribute:

Attribute_Label: BICA_MI_

Attribute_Definition: Verbal PCR definition

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: POOR

Enumerated_Domain_Value_Definition: PCR value <= 60

Enumerated_Domain:

Enumerated_Domain_Value: FAIR

Enumerated_Domain_Value_Definition: PCR value 61-84

Enumerated_Domain:

Enumerated_Domain_Value: GOOD

Enumerated_Domain_Value_Definition: PCR value 85-94

Enumerated_Domain:

Enumerated_Domain_Value: EXCELLENT

Enumerated_Domain_Value_Definition: PCR value 95-100

Attribute:

Attribute_Label: BICA_MI_ID

Attribute_Definition: Indicates whether feature has been edited for graphic purposes.

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition: No edit made to feature.

Attribute:

Attribute_Label: ID

Attribute:

Attribute_Label: RTE_NO

Attribute:

Attribute_Label: BMP

Attribute:

Attribute_Label: EMP

Attribute:

Attribute_Label: PCR

Attribute:

Attribute_Label: PCR_RATE

Attribute:

Attribute_Label: RT_LENGTH

Attribute:

Attribute_Label: PCRMI

Attribute:

Attribute_Label: PCR_RATEMI

Attribute:

Attribute_Label: PCR_RATEAV

Attribute:

Attribute_Label: PCRAV

Attribute:

Attribute_Label: TSR_EDIT

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.016

Metadata_Reference_Information:

Metadata_Date: 20060124

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: EFLHD Sterling

Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile

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