



# The Road Inventory of Canyonlands National Park CANY - 1340



**national park service**

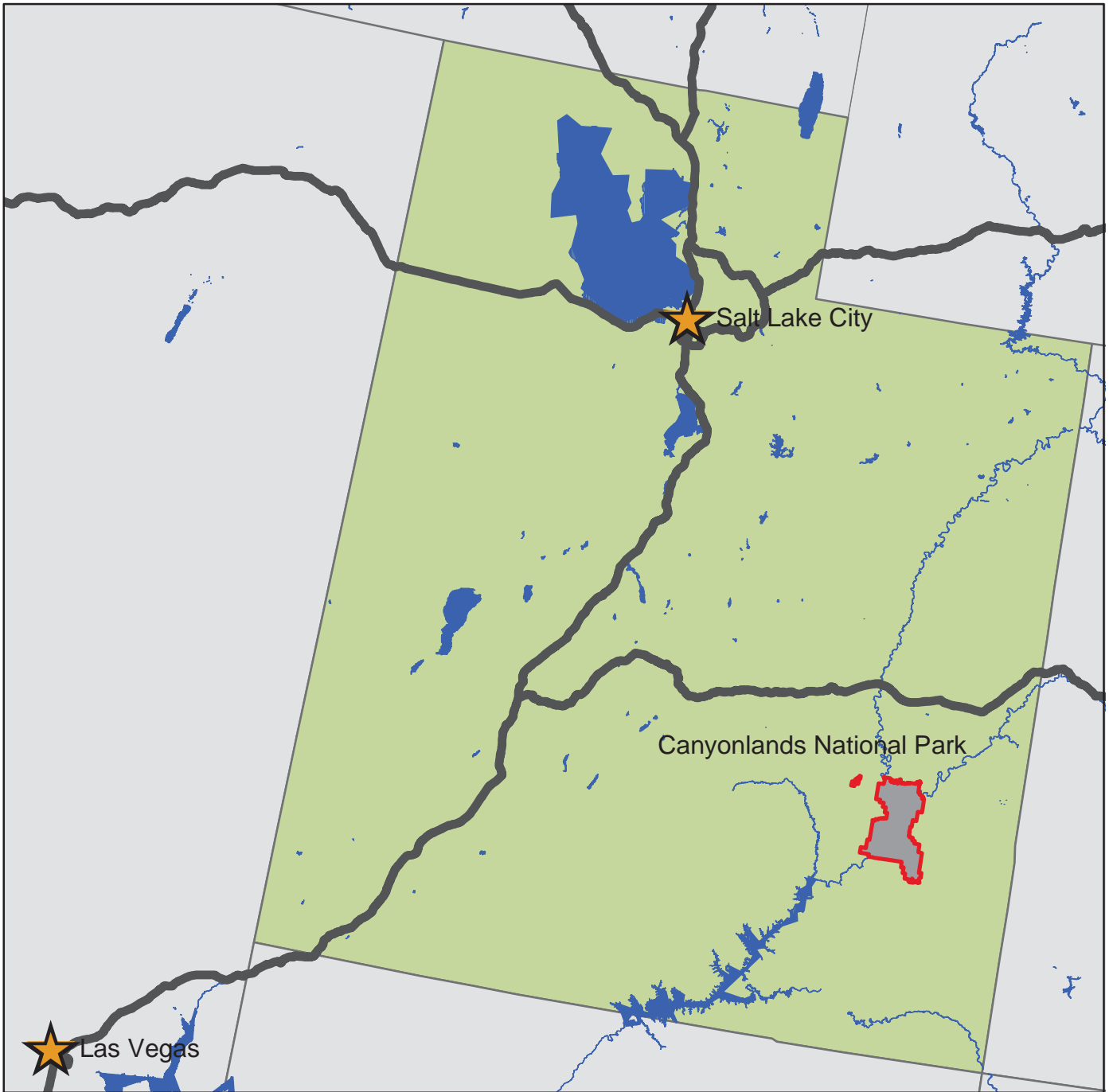


## Road Inventory Program

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



# Canyonlands National Park in Utah





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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 21<sup>st</sup> 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.

FHWA RIP Coordinator:

James A. Amenta  
FHWA/EFLHD  
Technical Services, HTS-15  
21400 Ridgetop Circle  
Sterling, VA 20166  
(703) 404-6366

# Canyonlands National Park Summaries

## Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
Paved ARAN Driven Route Miles	52.32	4/26/2003
Unpaved Estimated Route Miles	165.01	4/26/2003
Paved ARAN and Unpaved Route Miles	217.33	
Paved ARAN Driven Lane Miles	103.90	4/26/2003
Paved MRR Lane Miles	0.00	
Parking Lot Lane Miles	6.29	4/26/2003
Total Paved Lane Miles	110.19	

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)

## Canyonlands National Park 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	1.84	\$55,200
Good	4.64	\$510,400
Fair	33.22	\$18,603,200
Poor	12.62	\$19,434,800
<b>Totals</b>	<b>52.32</b>	<b>\$38,603,600</b>

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.

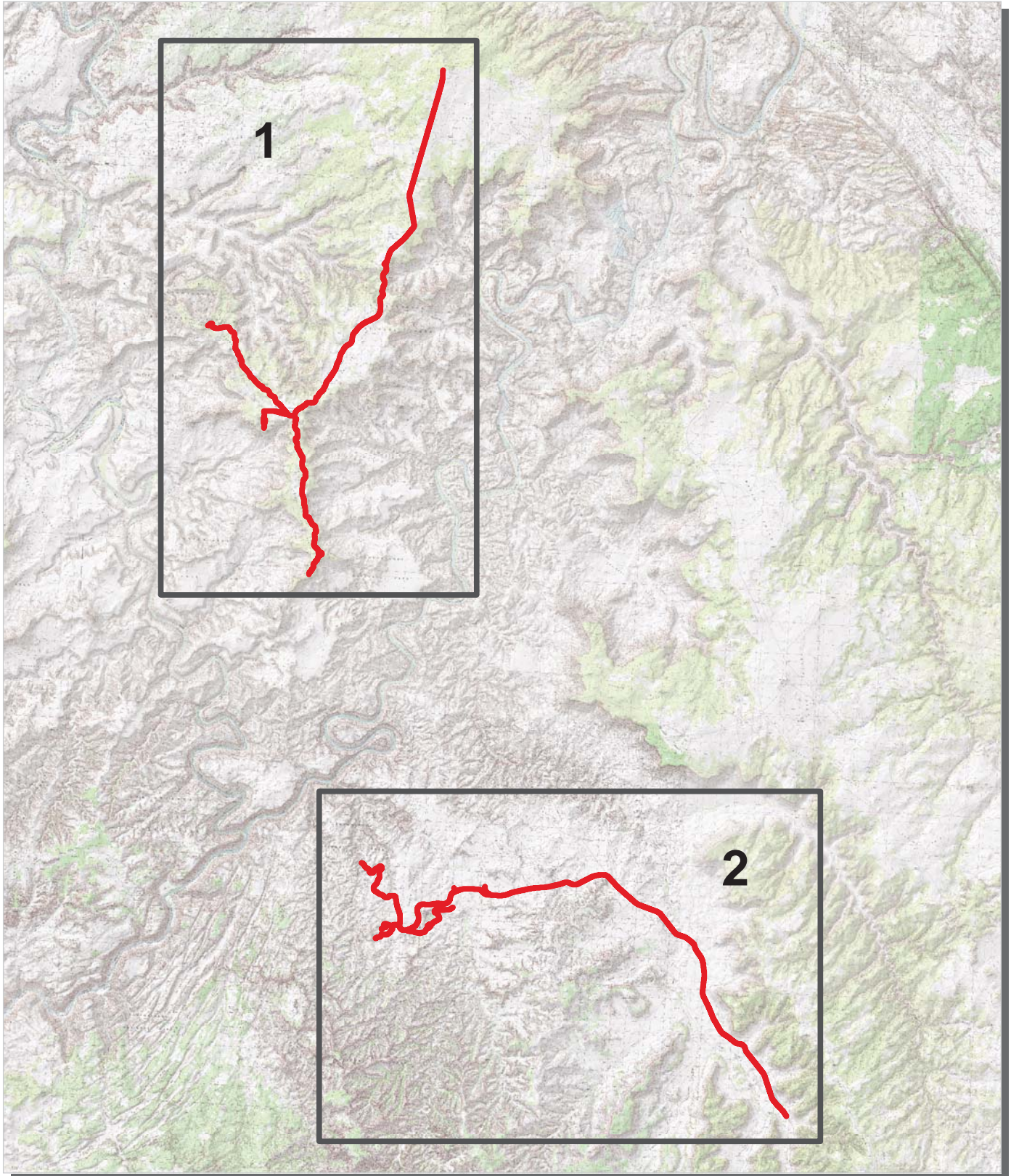
# Canyonlands National Park Summaries

## 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	7.35	14.05%	28.47	54.42%	3.80	7.26%	0.96	1.83%	40.58
2	2.68	5.12%	4.07	7.78%	0.62	1.19%	0.70	1.34%	8.07
3	2.31	4.42%	0.26	0.50%	0.13	0.25%	0.08	0.15%	2.78
4									
5	0.28	0.54%	0.42	0.80%	0.09	0.17%	0.10	0.19%	0.89
6									
7									
8									
<b>Totals</b>	<b>12.62</b>	<b>24.12%</b>	<b>33.22</b>	<b>63.49%</b>	<b>4.64</b>	<b>8.87%</b>	<b>1.84</b>	<b>3.52%</b>	<b>52.32</b>



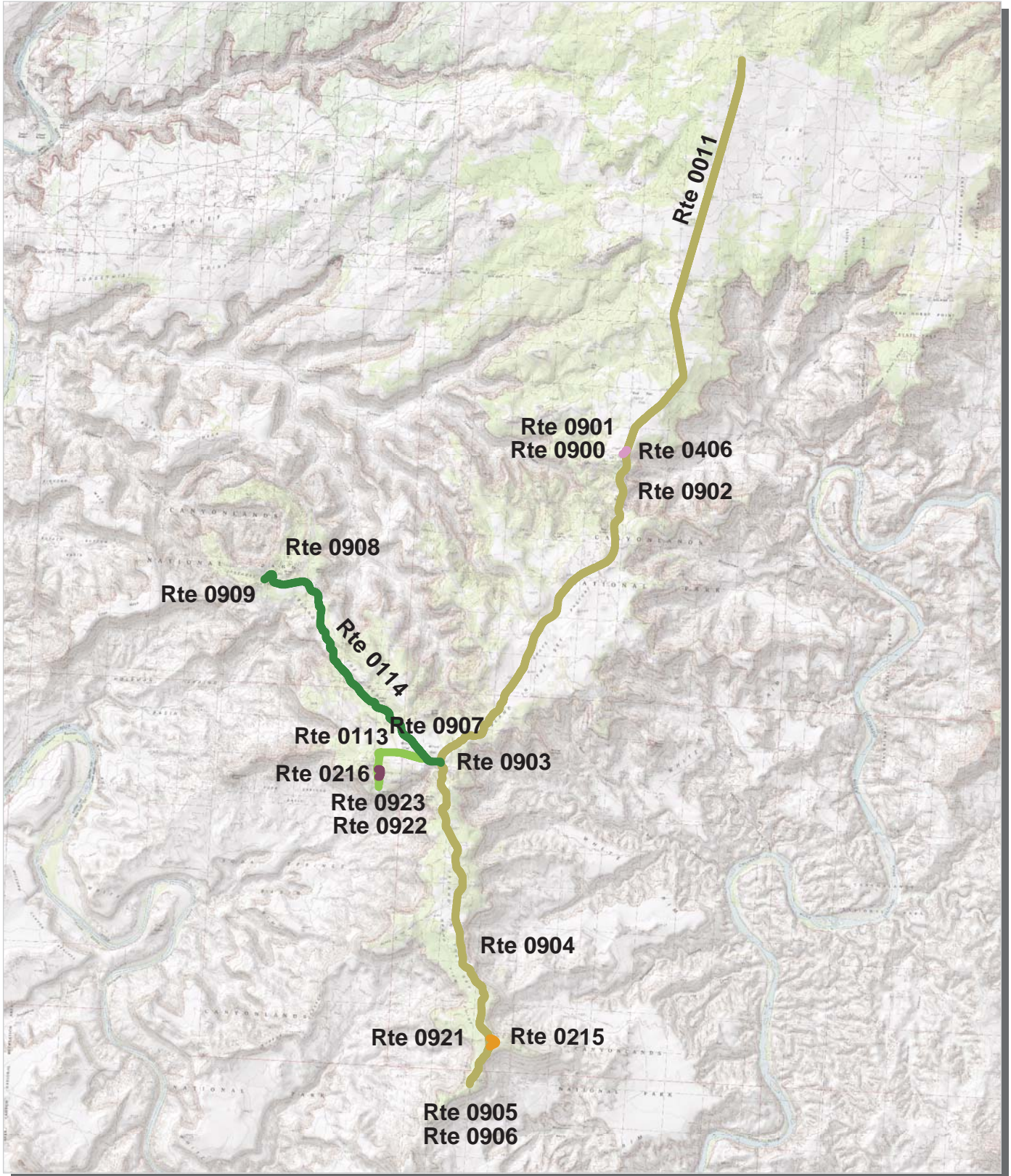
# Canyonlands National Park Route Location Key Map



 Park Owned Routes



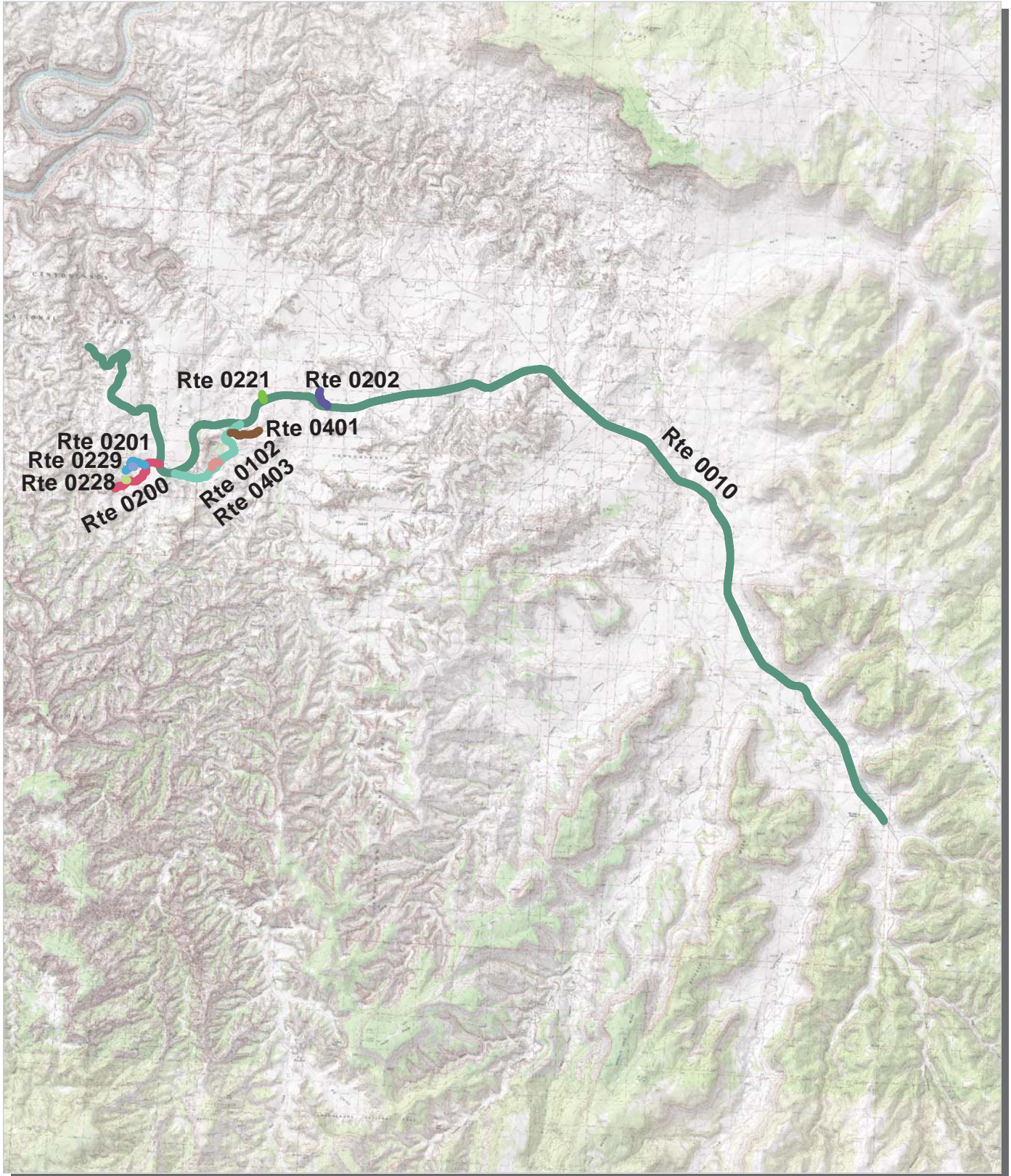
# Canyonlands National Park Route Location Map Area 1



Unique colors used to differentiate routes



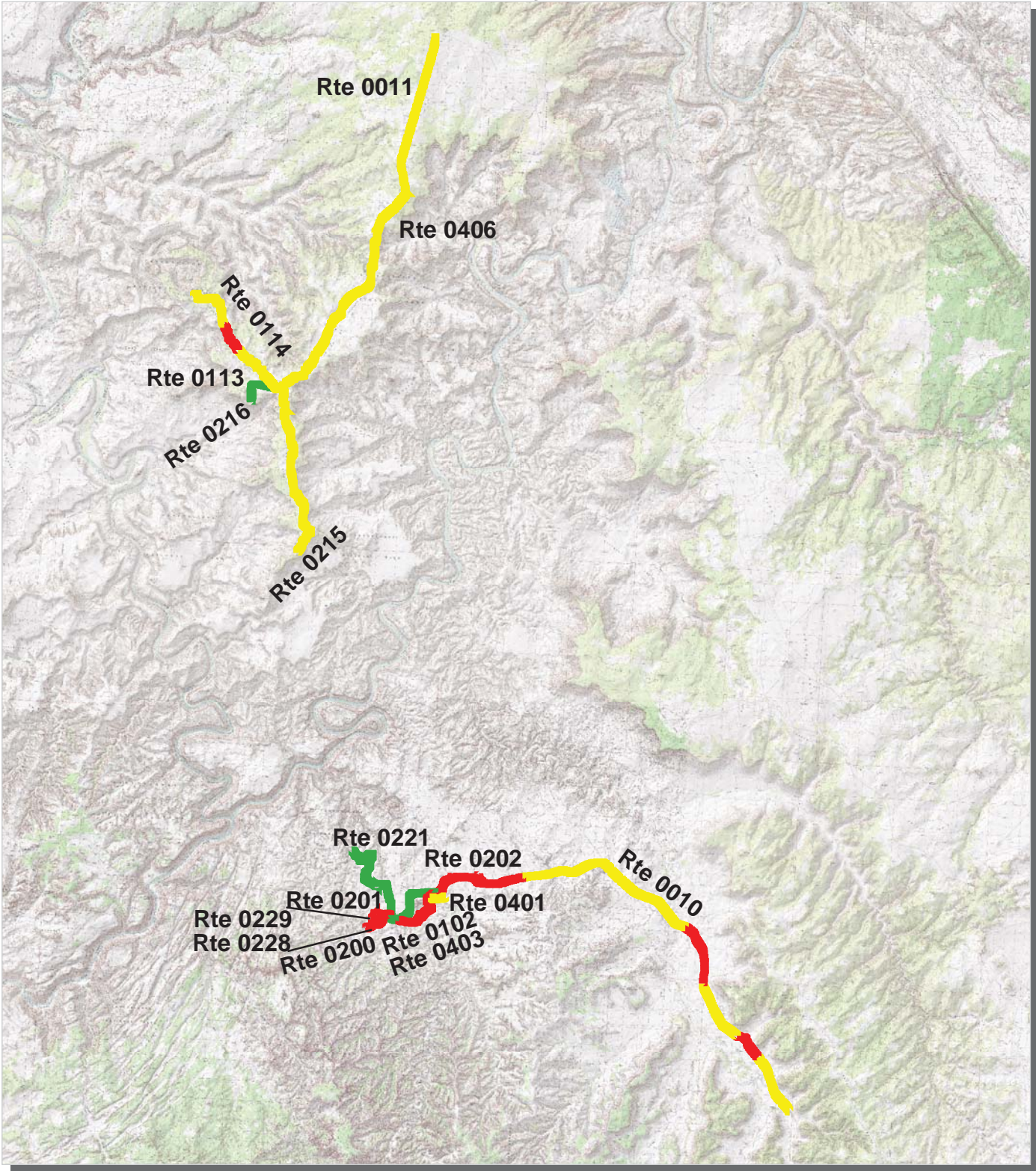
# Canyonlands National Park Route Location Map Area 2



Unique colors used to differentiate routes

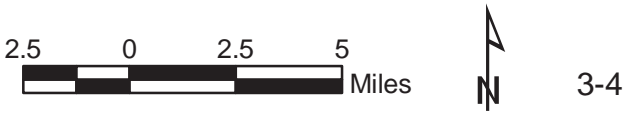


# Canyonlands National Park Route Condition Key Map PCR - Mile by Mile



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.



# 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 =

## CANY

### Canyonlands National Park

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	45621	NEEDLES ACCESS ROAD	From Dugout Ranch Cattleguard	To Route 0915	21.76	0.00	21.76	1	2	0	AS
0011	62479	ISLAND IN THE SKY ROAD	From "THE KNOLL" ( Intersection to Deadhorse State Park)	To Route 0906	18.82	0.00	18.82	1	2	0	OC
0100	67878	CAVE SPRING ROAD	From Route 0102	To Trailhead	0.00	1.06	1.06	2	2	0	GR
0101	67886	LAVENDER CANYON ROAD	From East Park Boundary	To End at CLEFT ARCH	0.00	4.16	4.16	4	1	0	GR
0102	45624	WOODEN SHOE LOOP	From Route 0010 West Intersection	To Route 0010 East Intersection	1.94	0.00	1.94	2	2	0	OC
0103	67887	HORSE CANYON ROAD	From Route 0104	To End at FORTRESS ARCH	0.00	6.05	6.05	4	1	0	GR
0104	67885	SALT CREEK ROAD ( Includes old "Angel Arch Rd")	From Route 0100	To End at ANGEL ARCH	0.00	12.40	12.40	4	1	0	GR
0105	45702	COLORADO RIVER OVERLOOK	From End of Route 0221	To Overlook	0.00	7.22	7.22	4	1	0	GR
0106	47657	ELEPHANT HILL ACCESS ROAD	From Route 0201	To East Base of ELEPHANT HILL (begin Jeep only Trail)	0.00	2.76	2.76	4	1	0	GR
0107	47952	DEVILS LANE	From South Park Boundary	To Confluence Trailhead Overlook	0.00	11.91	11.91	4	1	0	GR
0108	67570	STANDING ROCKS ROAD	From West Park Boundary	To Southernmost Campsite (#3)	0.00	9.77	9.77	4	1	0	GR
0109	47915	ELEPHANT HILL 4X4 ROAD	From Route 0106	To Route 0107 (Begins at west base not including Elephant Hill)	0.00	3.24	3.24	4	1	0	GR
0110	66843	ELEPHANT HILL RETURN ROAD	From Route 0107	To Route 0109	0.00	2.09	2.09	4	1	0	GR
0111	45709	WHITE RIM ROAD	From Route 0011	To North Park Boundary	0.00	79.59	79.59	4	2	0	GR
0112	62499	POTASH SPUR ROAD	From Route 0111	To East Park Boundary	0.00	1.79	1.79	4	1	0	GR
0113	62552	GREEN RIVER OVERLOOK	From Route 0114	To Route 0922	1.36	0.00	1.36	2	2	0	AS
0114	62548	UPHEAVAL DOME ROAD	From Route 0011	To Route 0909	4.77	0.00	4.77	2	2	0	OC
0200	47991	SQUAW FLAT CAMPGROUND ROAD ( LOOP A)	From Route 0010	To end of loop	1.13	0.00	1.13	3	2	0	AS
0201	67847	SQUAW FLAT CAMPGROUND ROAD ( LOOP B)	From Route 0200	To end	0.52	0.00	0.52	3	2	0	OC
0202	67876	NEEDLES OUTPOST ROAD	From Route 0010	To North Park Boundary (Cattleguard)	0.36	0.00	0.36	3	2	0	OC
0203	47911	LAVENDER CANYON RIGHT BRANCH	From Route 0101	To End	0.00	2.47	2.47	4	1	0	GR
0204	67884	LOCKHART RIVER SPUR	From East Park Boundary	To End at COLORADO RIVER	0.00	0.30	0.30	4	1	0	GR
0205	67882	TOWER RUIN ROAD	From Route 0103	To Trailhead	0.00	0.71	0.71	4	1	0	GR
0207	47948	JOINT TRAIL ROAD	From Route 0107	To End of Loop	0.00	0.52	0.52	4	1	0	GR
0209	67881	DEVIL KITCHEN CAMPGROUND ACCESS	From Route 0109	To Campground	0.00	0.14	0.14	4	1	0	GR
0210	67856	SPLIT TOP GROUP CAMPSITE	From Route 0100	To Campsite	0.00	0.01	0.01	3	1	0	GR
0211	67869	WOODEN SHOE ROAD	From Route 0102	To Campsite	0.00	0.10	0.10	3	1	0	GR
0212	67569	MAZE OVERLOOK ROAD	From West Park Boundary	To Overlook & Campsite	0.00	5.12	5.12	4	1	0	GR

# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes  
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White = Paved Routes, ARAN Driven

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Purple =

## CANY

### Canyonlands National Park

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							
0214	62549	MURPHY POINT ROAD	From Route 0011	To Trailhead	0.00	0.47	0.47	3	1	0	GR
0215	65197	WHITE RIM OVERLOOK PICNIC AREA	From Route 0011 South intersection	To Route 0011 North intersection	0.28	0.00	0.28	3	1	0	OC
0216	62550	WILLOW FLATS CAMPGROUND	From Route 0113 South intersection	To Route 0113 North intersection	0.21	0.00	0.21	3	1	0	AS
0217	62502	WALKING ROCKS SPUR	From Route 0111	To Overlook	0.00	0.17	0.17	4	1	0	GR
0218	62503	MUSSELMAN ARCH	From Route 0111	To End	0.00	0.17	0.17	4	1	0	GR
0219	62505	LATHROP CANYON ROAD	From Route 0111	To End at River	0.00	3.66	3.66	4	1	0	GR
0220	62506	WHITE CRACK CAMPGROUND ACCESS	From Route 0111	To Campground	0.00	1.36	1.36	4	1	0	GR
0221	45704	NEEDLES VISITOR CONTACT STATION ACCESS ROAD	From Route 0010	To End of PAVEMENT/ BEGIN Route 0105	0.14	0.00	0.14	3	2	0	OC
0223	62508	HARDSCRABBLE CAMPGROUND ACCESS	From Route 0111	To PRIMITIVE Campground	0.00	0.36	0.36	4	1	0	GR
0224	62509	TAYLOR CANYON ROAD	From Route 0111	To Campground	0.00	5.25	5.25	4	1	0	GR
0226	47660	BOBBY JOE CAMP ROAD	From Route 0107	To Campsite	0.00	0.10	0.10	4	1	0	GR
0227	67883	HORSE HOOF CAMP ROAD	From Route 0107	To Campsite	0.00	0.30	0.30	4	1	0	GR
0228		SQUAW FLAT HOST LOOP	From to Route 0200	To Route 0200	0.06	0.00	0.06	3	1	0	OC
0229		SQUAW FLAT CAMPGROUND LOOP	From Route 0201	To End of Loop	0.08	0.00	0.08	3	1	0	OC
0401	47844	NEEDLES RESIDENCE ROAD	From Route 0102	To End at Hammerhead Turnaround	0.56	0.00	0.56	5	2	0	OC
0402	45728	GENERATOR BUILDING ROAD	From Route 0102	To End of Loop	0.00	0.14	0.14	5	1	0	GR
0403	47596	NEEDLES MAINTENANCE AREA LOOP	From Route 0102 East	To Route 0102 West	0.22	0.00	0.22	5	2	0	OC
0404	67879	FIRING RANGE ROAD	From Route 0010	To WELL HOUSE (just across creek)	0.00	0.48	0.48	6	1	0	GR
0405	67874	NEEDLES BONEYARD ROAD	From Route 0104	To Fenced BONEYARD	0.00	0.14	0.14	6	1	0	GR
0406	62540	I-SKY RESIDENCE ROAD	From Route 0011	To End of Loop	0.11	0.24	0.35	5	2	0	OC
0407	62543	I-SKY MAINTENANCE ROAD	From Route 0406	To MAINTENANCE YARD	0.00	0.16	0.16	6	1	0	GR
0408	62545	RADIO REPEATER STATION ROAD	From Route 0011	To REPEATER	0.00	0.17	0.17	6	1	0	GR
0409	62547	I-SKY RESIDENCE SPUR	From Route 0406	To End of Loop	0.00	0.08	0.08	5	1	0	GR
0410	62551	WILLOW FLATS SERVICE ROAD	From Route 0113	To End	0.00	0.01	0.01	6	1	0	GR
0450	66237	I-SKY AIR QUALITY COMPLEX LOOP	From Route 0407	To End of Loop	0.00	0.17	0.17	6	1	0	GR
0451	66243	I-SKY HELIBASE ROAD	From Route 0406	To HELIBASE	0.00	0.17	0.17	6	1	0	GR
0900		ISLAND IN THE SKY VISITOR CENTER PARKING	Adjacent to Route 0011 at MP 6.8		0.00	0.00	0.00	9		22,997	OC
0901	61946	Sky Visitor Center Employee Parking	Adjacent to Route 0406		0.00	0.00	0.00	9		3,720	AS
0902	66233	Neck Springs Trailhead Parking	Adjacent to Route 0011 at MP 7.3		0.00	0.00	0.00	9		41,017	AS

# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes  
approx. mileage

White = Paved Routes, ARAN Driven

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## CANY

### Canyonlands National Park

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
0903	66232	Mesa Arch Parking	From Route 0011 at MP 12.85	0.00	0.00	0.00	9		23,532	AS
0904	66235	Buck Canyon Overlook Parking	From Route 0011 at MP 16.2	0.00	0.00	0.00	9		21,609	AS
0905	66236	Orange Cliffs Overlook Parking	From Route 0011 (just before end of route)	0.00	0.00	0.00	9		12,849	AS
0906	66234	Grandview Point Parking Area	At End of Route 0011	0.00	0.00	0.00	9		38,550	OC
0907	66229	Aztec Butte Trailhead Parking	From Route 0114 at MP 0.9	0.00	0.00	0.00	9		12,892	AS
0908	66230	Whale Rock Trailhead Parking	From Route 0114 at MP 4	0.00	0.00	0.00	9		11,364	AS
0909	66231	Upheaval Dome Picnic Parking	At End of Route 0114	0.00	0.00	0.00	9		20,726	AS
0910	67880	Indian Creek Parking	From Route 0010 at MP 7.6	0.00	0.00	0.00	9		9,309	OC
0911	45708	Needles Visitor Center Parking	From Route 0221	0.00	0.00	0.00	9		40,561	OC
0912	67873	Wooden Shoe Parking	From Route 0010 at MP 17.5	0.00	0.00	0.00	9		7,538	AS
0913	67865	The Picnic Area ( Needles)	From Route 0010 at MP 19.9	0.00	0.00	0.00	9		7,781	AS
0914	47627	Pothole Hill Trailhead Parking	From Route 0010 at MP 20.3	0.00	0.00	0.00	9		8,276	AS
0915	67877	Big Springs Parking	At End of Route 0010	0.00	0.00	0.00	9		17,796	AS
0916A	67875	Needles Maintenance Yard Complex Area A	From Route 0403 To Route 0403	0.00	0.00	0.00	9		27,536	OC
0916B		Needles Maintenance Yard Complex Area B	Adjacent to Route 0403	0.00	0.00	0.00	9		1,072	OC
0916C		Needles Maintenance Yard Complex Area C	Adjacent to Route 0403	0.00	0.00	0.00	9		1,765	OC
0917	47904	PAUL BUNYANS POTTY	From Route 0103 To Restroom	0.00	0.00	0.00	9		0	GR
0918		SQUAW FLAT RESTROOM A PARKING	Adjacent to Route 0200	0.00	0.00	0.00	9		1,062	OC
0919		SQUAW FLAT TRAILHEAD PARKING	Adjacent to Route 0200	0.00	0.00	0.00	9		10,721	OC
0920		SQUAW FLAT RESTROOM B PARKING	Adjacent to Route 0201	0.00	0.00	0.00	9		561	OC
0921		WHITE RIM OVERLOOK PARKING	Adjacent to Route 0215	0.00	0.00	0.00	9		1,058	AS
0922		GREEN RIVER OVERLOOK PARKING	At End of Route 0113	0.00	0.00	0.00	9		19,076	AS
0923		WILLOW FLAT CAMPGROUND PARKING	Adjacent to Route 0216	0.00	0.00	0.00	9		2,072	AS
<b>Totals:</b>				52.32	165.01	217.33			365,441	

# 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 =	

### 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:

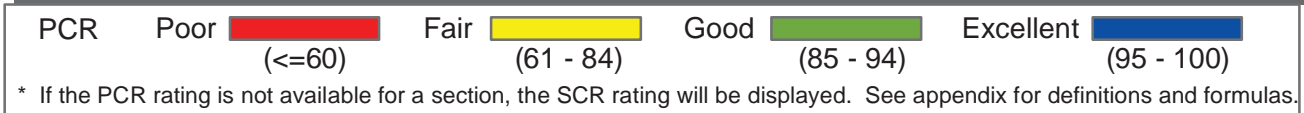
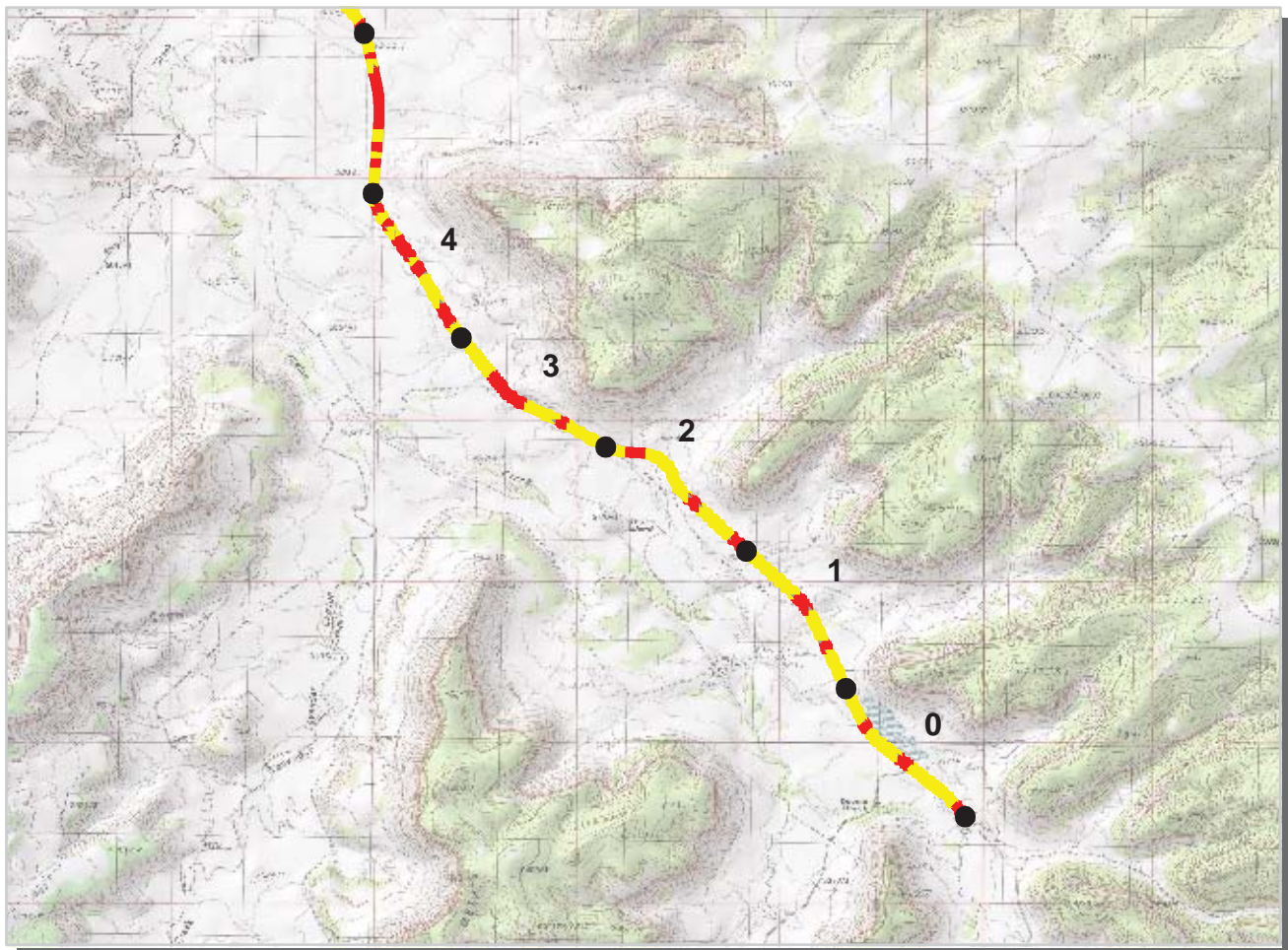
- AS - Asphaltic Concrete Pavement
- CO - Portland Cement Concrete Pavement
- NC - New Chip Seal Pavement (Under 5 Years)
- OC - Old Chip Seal Pavement (5 Years and Greater)
- SS - Slurry Seal Pavement
- GR - Gravel Road Bed
- BR - Brick or Pavers Road Bed
- CB - Cobble Stone Road Bed
- SA - Sand Road 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**  
**CANY : Canyonlands National Park**

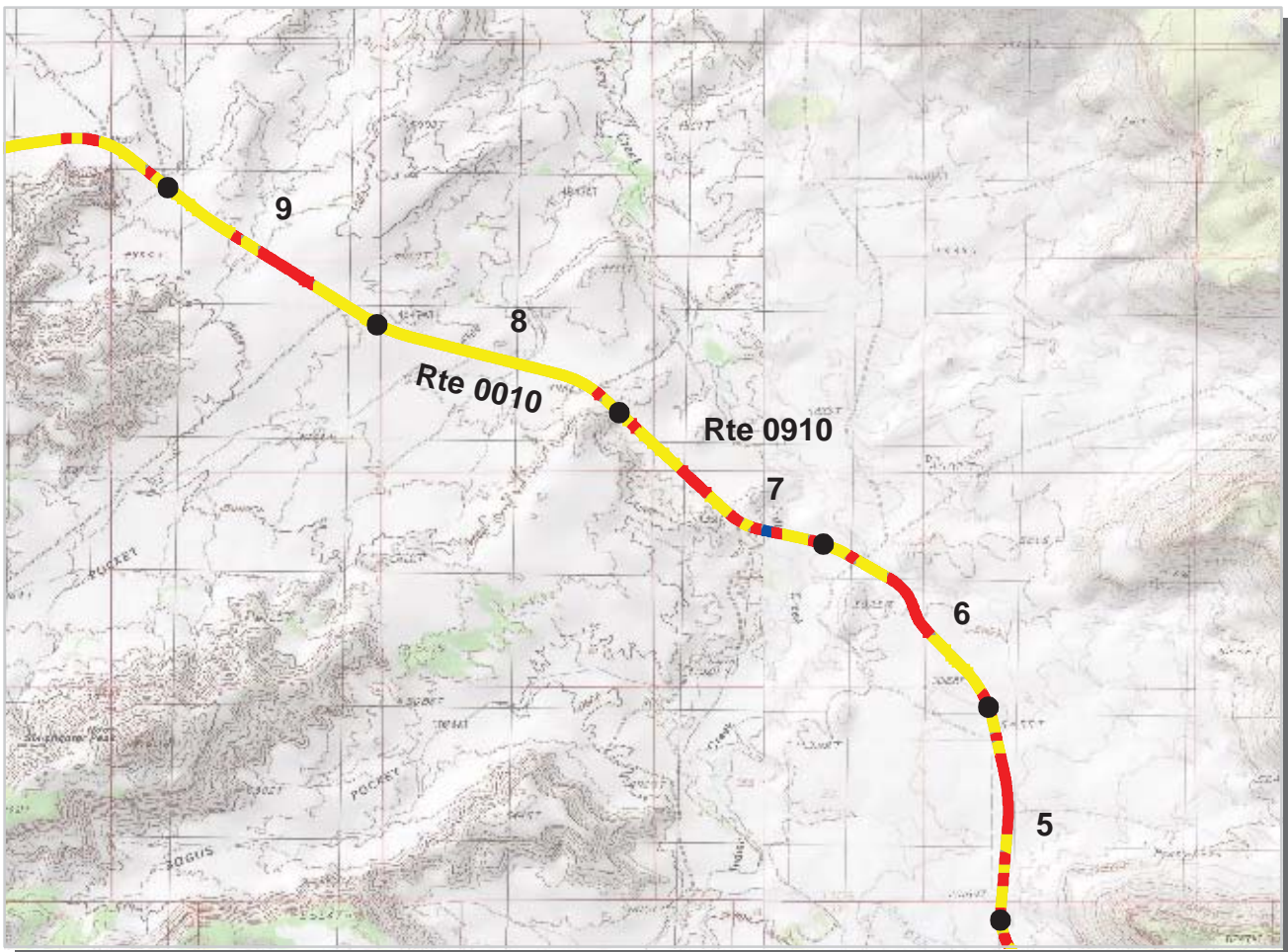
**ROUTE: 0010 Needles Access Road** **TOTAL LENGTH: 21.76 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	21	22	21	21
Lane Width (ft)	10	10	11	10	11
Shoulder Width (ft)	0	2	3	4	4
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	63	65	60	66	61
RCI (Roughness Condition Index)	93	86	80	88	86
SCR (Surface Condition Rating)	44	51	46	51	45
Alligator Cracking Index	100	99	100	100	100
Rutting Index	54	55	49	53	47
Patching Index	100	100	100	100	100
Transverse Cracking Index	92	97	97	98	97
Longitudinal Cracking Index	97	99	99	99	99
Shoulder Condition Rating	N/A	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

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



ROUTE: 0010 Needles Access Road



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

**Intermountain Region**

**CANY : Canyonlands National Park**

**ROUTE: 0010 Needles Access Road**

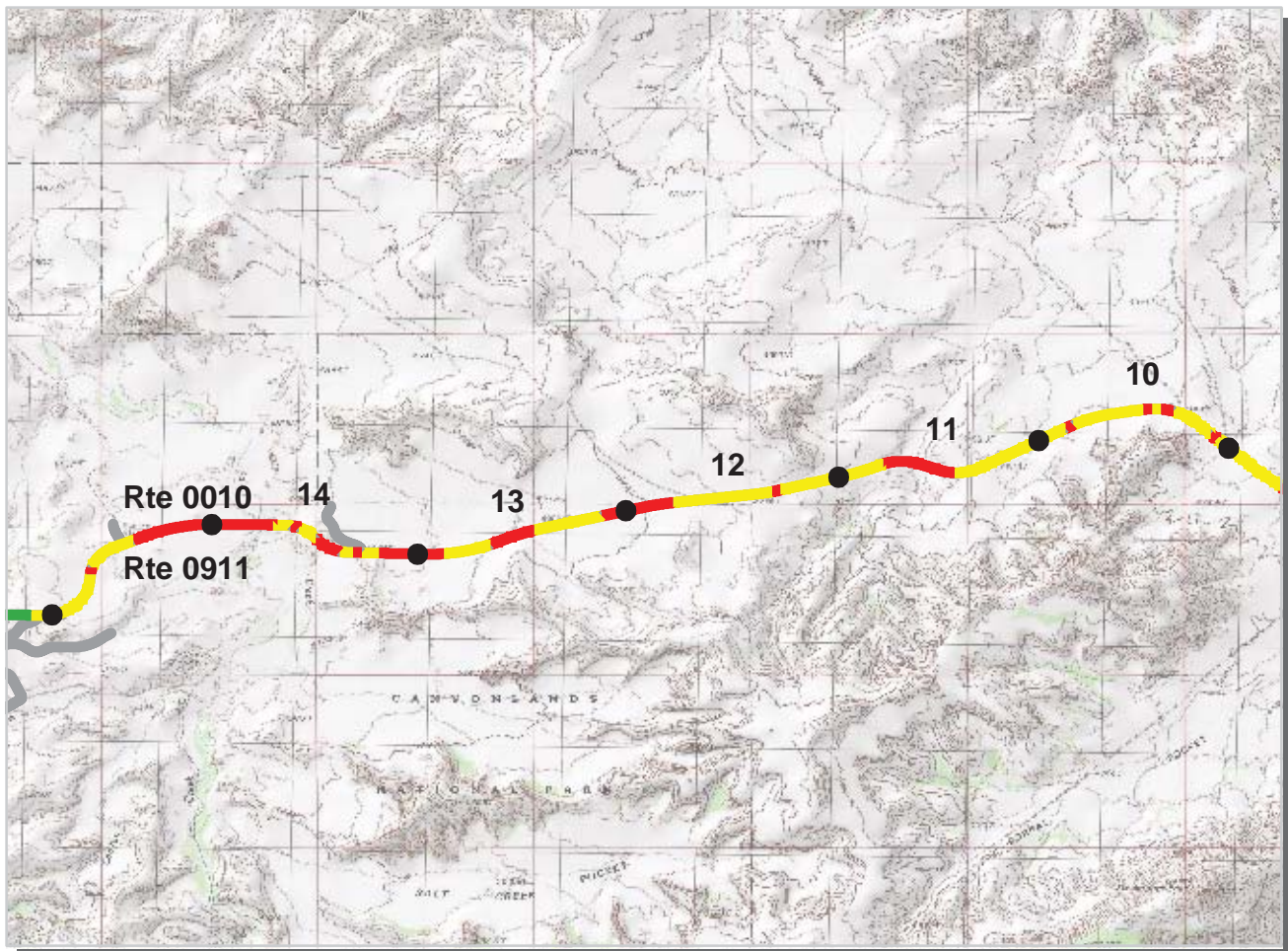
**TOTAL LENGTH: 21.76 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	21	22	22	21
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	4	4	4	5
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	58	60	62	65	63
RCI (Roughness Condition Index)	82	89	86	96	96
SCR (Surface Condition Rating)	43	40	46	45	41
Alligator Cracking Index	100	100	100	100	100
Rutting Index	46	44	48	48	47
Patching Index	100	100	100	100	100
Transverse Cracking Index	97	97	98	97	96
Longitudinal Cracking Index	99	99	98	98	97
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0010 Needles 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    ■    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**  
**CANY : Canyonlands National Park**

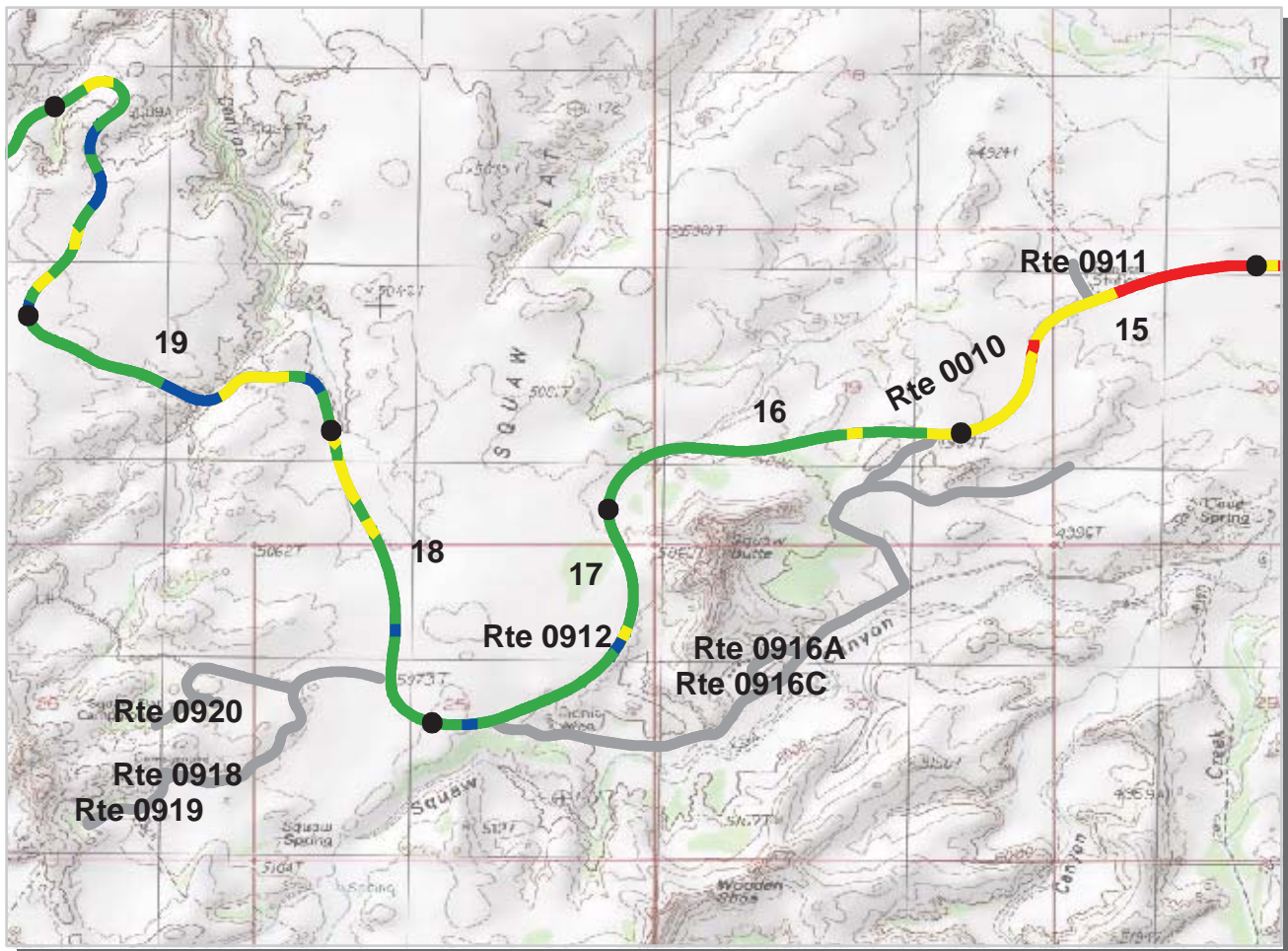
**ROUTE: 0010 Needles Access Road** **TOTAL LENGTH: 21.76 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	22	23	23	23
Lane Width (ft)	10	11	11	11	11
Shoulder Width (ft)	5	4	4	4	4
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	64	63	63	60	59
RCI (Roughness Condition Index)	97	95	93	94	89
SCR (Surface Condition Rating)	42	42	43	36	39
Alligator Cracking Index	99	99	100	100	100
Rutting Index	46	46	45	40	41
Patching Index	100	100	100	100	100
Transverse Cracking Index	97	97	98	97	98
Longitudinal Cracking Index	98	98	99	98	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0010 Needles 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.

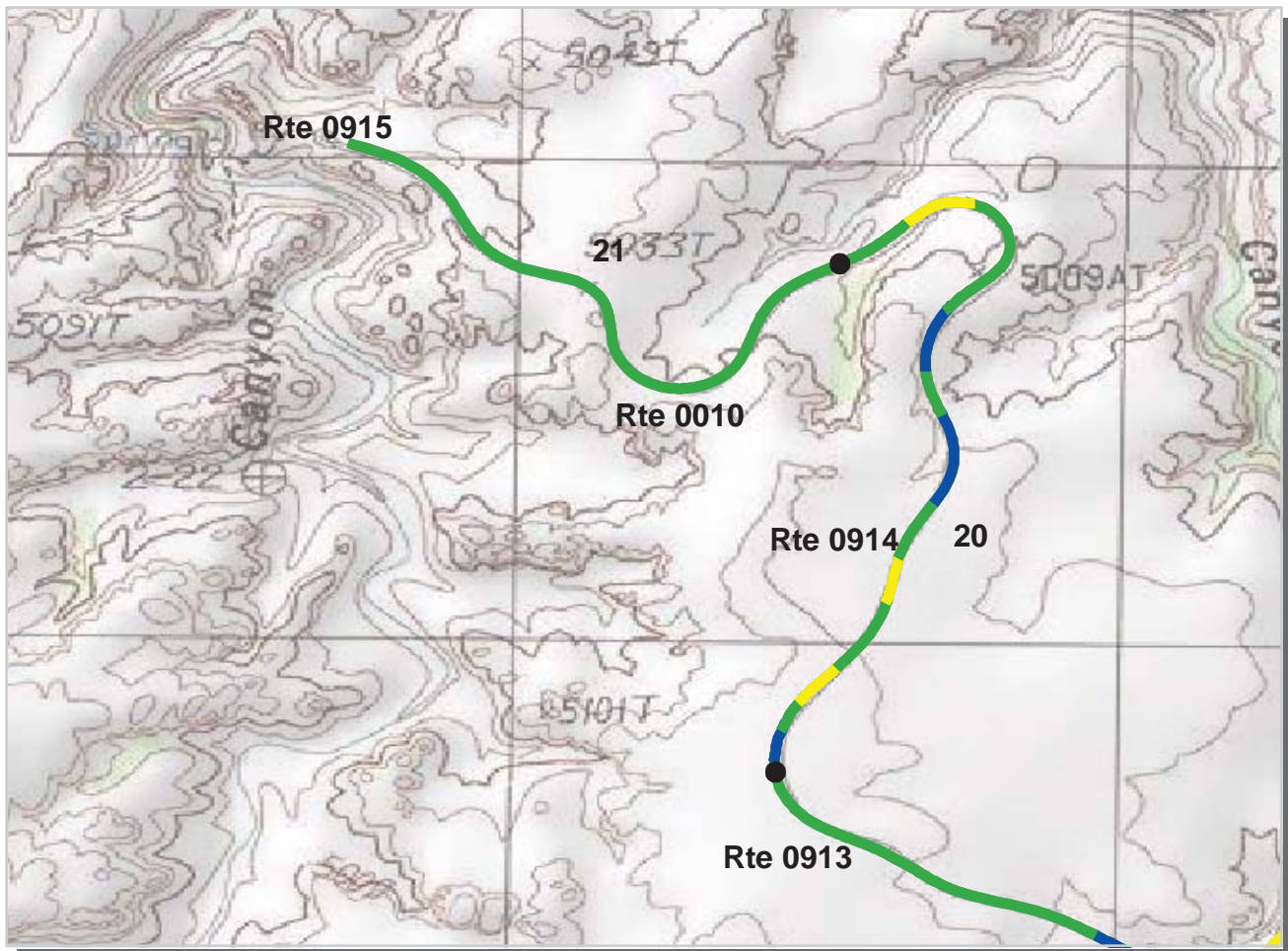
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0010 Needles Access Road** **TOTAL LENGTH: 21.76 Miles**

Section Number	15	16	17	18	19
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	23	22	23	22	21
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	4	4	4	4	4
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	60	86	89	88	89
RCI (Roughness Condition Index)	94	99	99	96	96
SCR (Surface Condition Rating)	42	78	83	83	84
Alligator Cracking Index	99	100	100	100	100
Rutting Index	44	78	83	83	84
Patching Index	100	100	100	100	100
Transverse Cracking Index	98	99	100	99	100
Longitudinal Cracking Index	99	100	100	100	100
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0010 Needles 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.

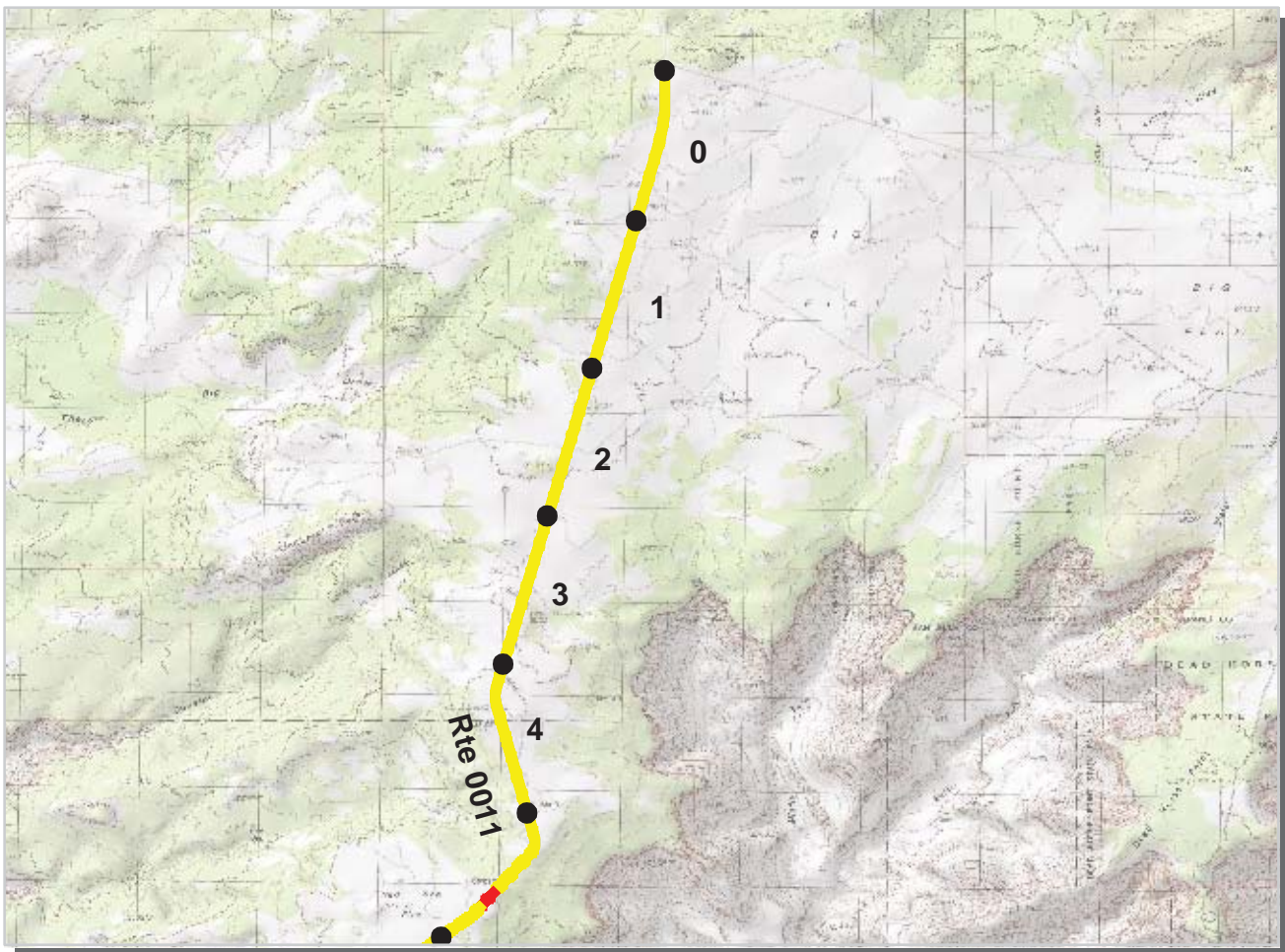
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0010 Needles Access Road** **TOTAL LENGTH: 21.76 Miles**

Section Number	20	21			
Section Length (mi)	1.00	0.76			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	21	21			
Lane Width (ft)	11	11			
Shoulder Width (ft)	4	4			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	89	89			
RCI (Roughness Condition Index)	98	98			
SCR (Surface Condition Rating)	83	83			
Alligator Cracking Index	100	100			
Rutting Index	83	83			
Patching Index	100	100			
Transverse Cracking Index	100	100			
Longitudinal Cracking Index	100	100			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0010 Needles 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    ■    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.

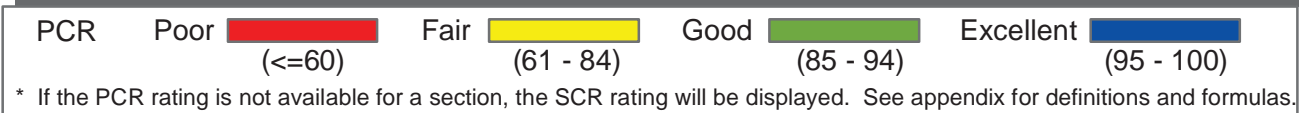
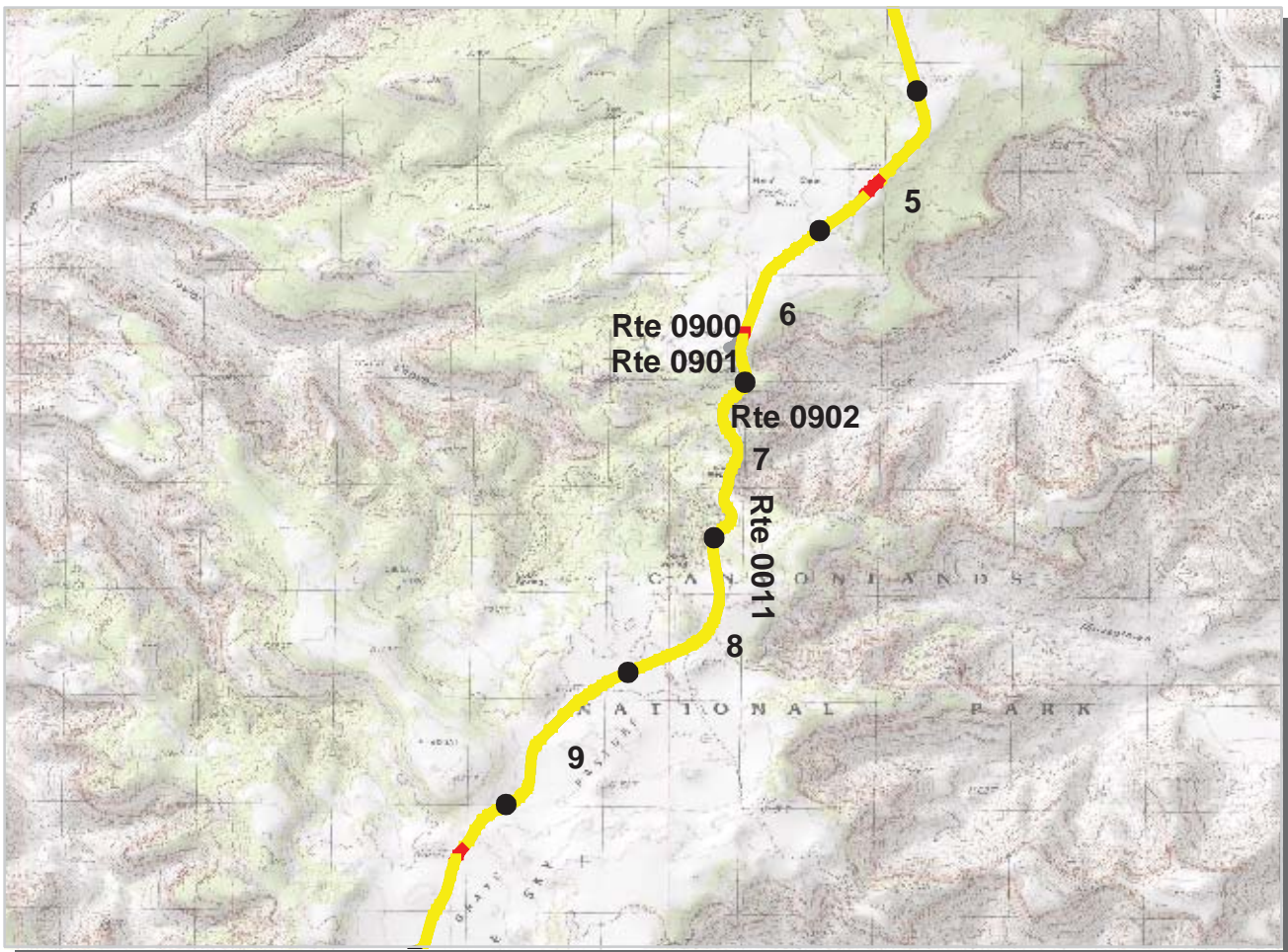
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0011 Island In The Sky Road** **TOTAL LENGTH: 18.82 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	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	23	23	23
Lane Width (ft)	11	11	12	11	12
Shoulder Width (ft)	5	5	4	4	3
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	69	70	70	71	71
RCI (Roughness Condition Index)	99	100	100	99	99
SCR (Surface Condition Rating)	50	51	50	53	53
Alligator Cracking Index	100	100	100	100	100
Rutting Index	52	52	51	53	53
Patching Index	100	100	100	100	99
Transverse Cracking Index	98	99	99	99	99
Longitudinal Cracking Index	99	99	99	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

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

ROUTE: 0011 Island In The Sky Road



**Intermountain Region**  
**CANY : Canyonlands National Park**

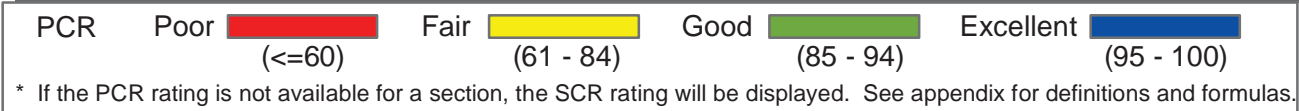
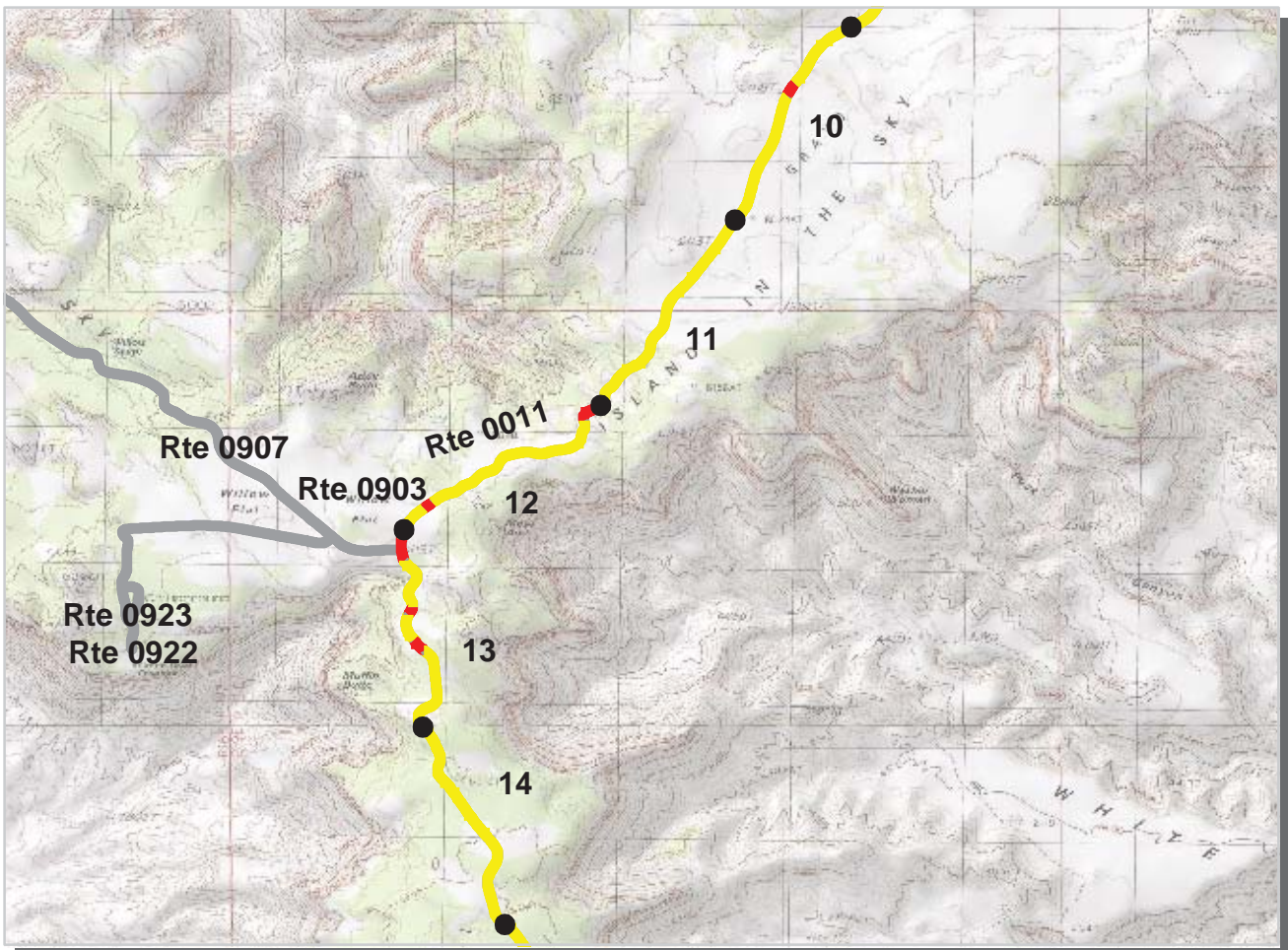
**ROUTE: 0011 Island In The Sky Road** **TOTAL LENGTH: 18.82 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	23	22	22
Lane Width (ft)	12	12	13	11	10
Shoulder Width (ft)	0	5	5	6	6
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	66	69	70	70	68
RCI (Roughness Condition Index)	99	99	99	99	100
SCR (Surface Condition Rating)	49	49	50	50	47
Alligator Cracking Index	99	100	100	100	100
Rutting Index	52	53	55	50	48
Patching Index	99	100	100	100	100
Transverse Cracking Index	98	98	98	99	99
Longitudinal Cracking Index	98	97	97	99	99
Shoulder Condition Rating	N/A	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

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



ROUTE: 0011 Island In The Sky Road



**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0011 Island In The Sky Road** **TOTAL LENGTH: 18.82 Miles**

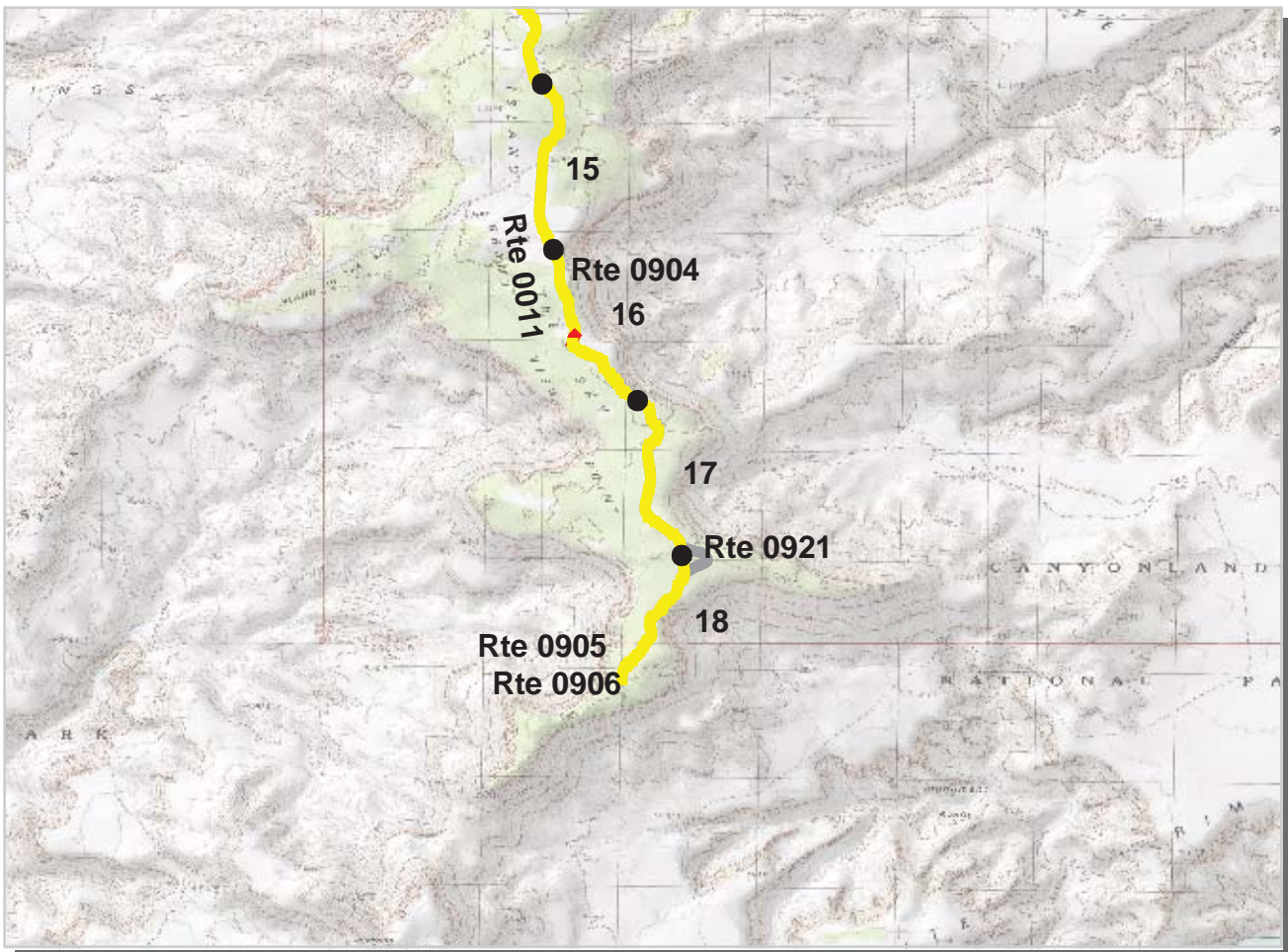
Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	23	22	22	23
Lane Width (ft)	11	12	11	11	11
Shoulder Width (ft)	3	6	5	4	3
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	66	66	64	63	67
RCI (Roughness Condition Index)	99	99	98	98	99
SCR (Surface Condition Rating)	43	44	42	41	46
Alligator Cracking Index	100	100	100	100	100
Rutting Index	43	44	42	41	46
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	99	99	99	99
Longitudinal Cracking Index	100	99	99	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Island In The Sky 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.

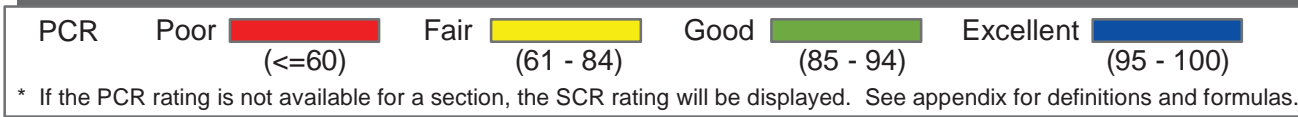
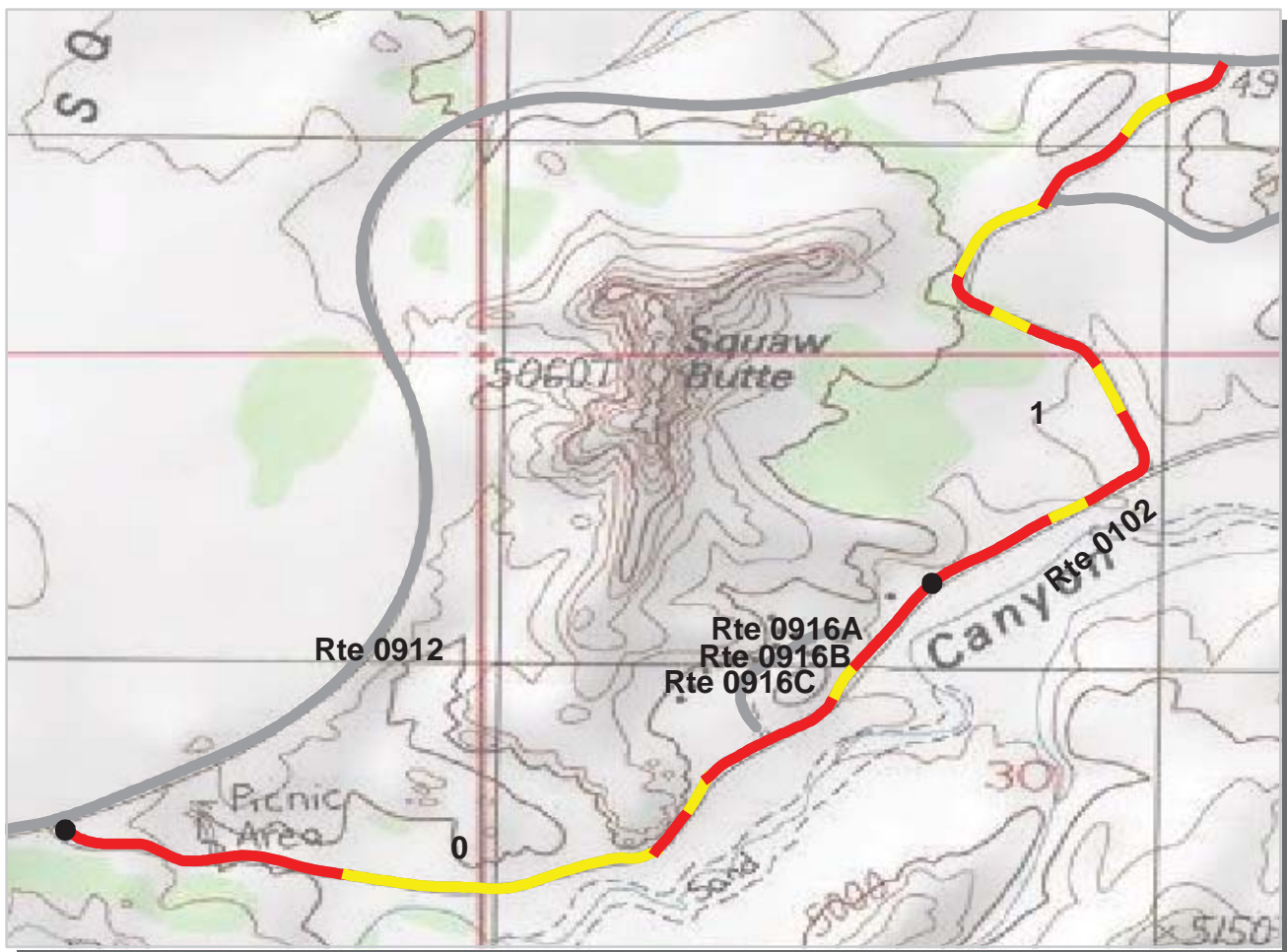
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0011 Island In The Sky Road** **TOTAL LENGTH: 18.82 Miles**

Section Number	15	16	17	18	
Section Length (mi)	1.00	1.00	1.00	0.82	
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	
Paved Width (ft)	22	22	23	22	
Lane Width (ft)	11	11	12	11	
Shoulder Width (ft)	5	0	0	4	
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	66	64	66	67	
RCI (Roughness Condition Index)	99	100	99	99	
SCR (Surface Condition Rating)	44	41	44	45	
Alligator Cracking Index	100	100	100	100	
Rutting Index	44	41	44	45	
Patching Index	100	100	100	100	
Transverse Cracking Index	99	99	99	99	
Longitudinal Cracking Index	99	99	100	99	
Shoulder Condition Rating	GOOD	N/A	N/A	GOOD	
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	

ROUTE: 0011 Island In The Sky Road

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



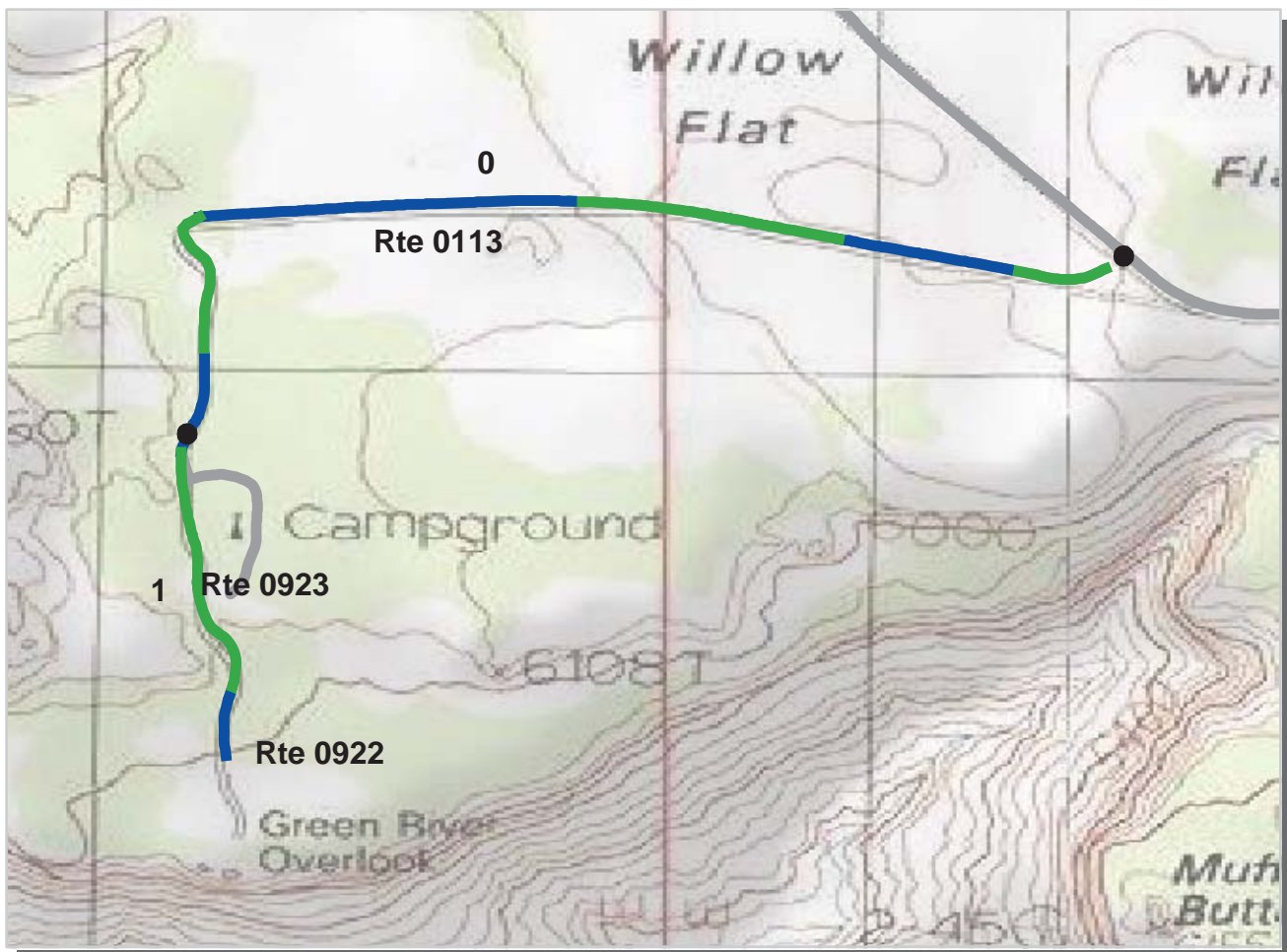
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0102 Wooden Shoe Loop** **TOTAL LENGTH: 1.94 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.94			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	23	23			
Lane Width (ft)	11	11			
Shoulder Width (ft)	0	0			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	56	53			
RCI (Roughness Condition Index)	78	77			
SCR (Surface Condition Rating)	43	41			
Alligator Cracking Index	100	100			
Rutting Index	54	52			
Patching Index	100	100			
Transverse Cracking Index	94	94			
Longitudinal Cracking Index	94	94			
Shoulder Condition Rating	N/A	N/A			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0102 Wooden Shoe Loop

\* 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.

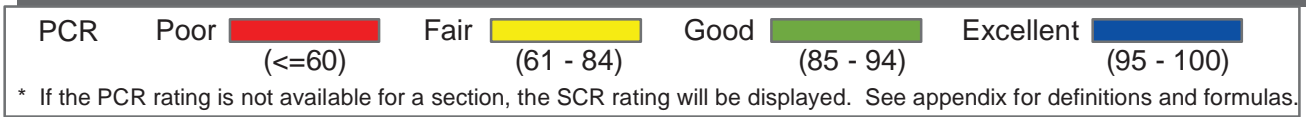
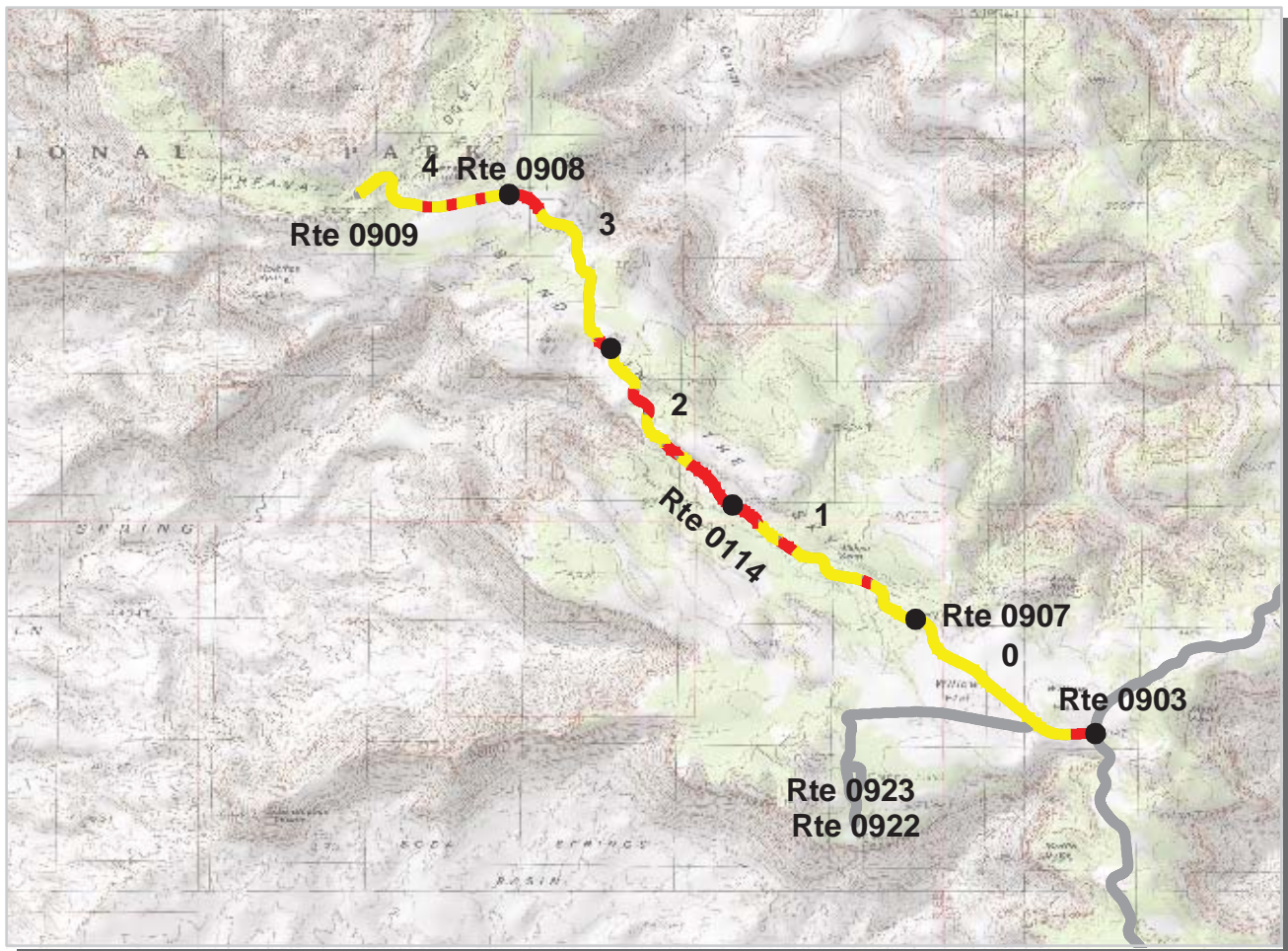
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0113 Green River Overlook** **TOTAL LENGTH: 1.36 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.36			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	18	18			
Lane Width (ft)	9	9			
Shoulder Width (ft)	7	7			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	94	92			
RCI (Roughness Condition Index)	99	94			
SCR (Surface Condition Rating)	92	90			
Alligator Cracking Index	100	100			
Rutting Index	92	90			
Patching Index	100	100			
Transverse Cracking Index	99	99			
Longitudinal Cracking Index	100	100			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0113 Green River Overlook

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



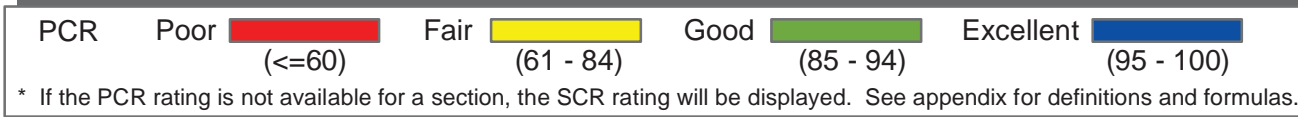
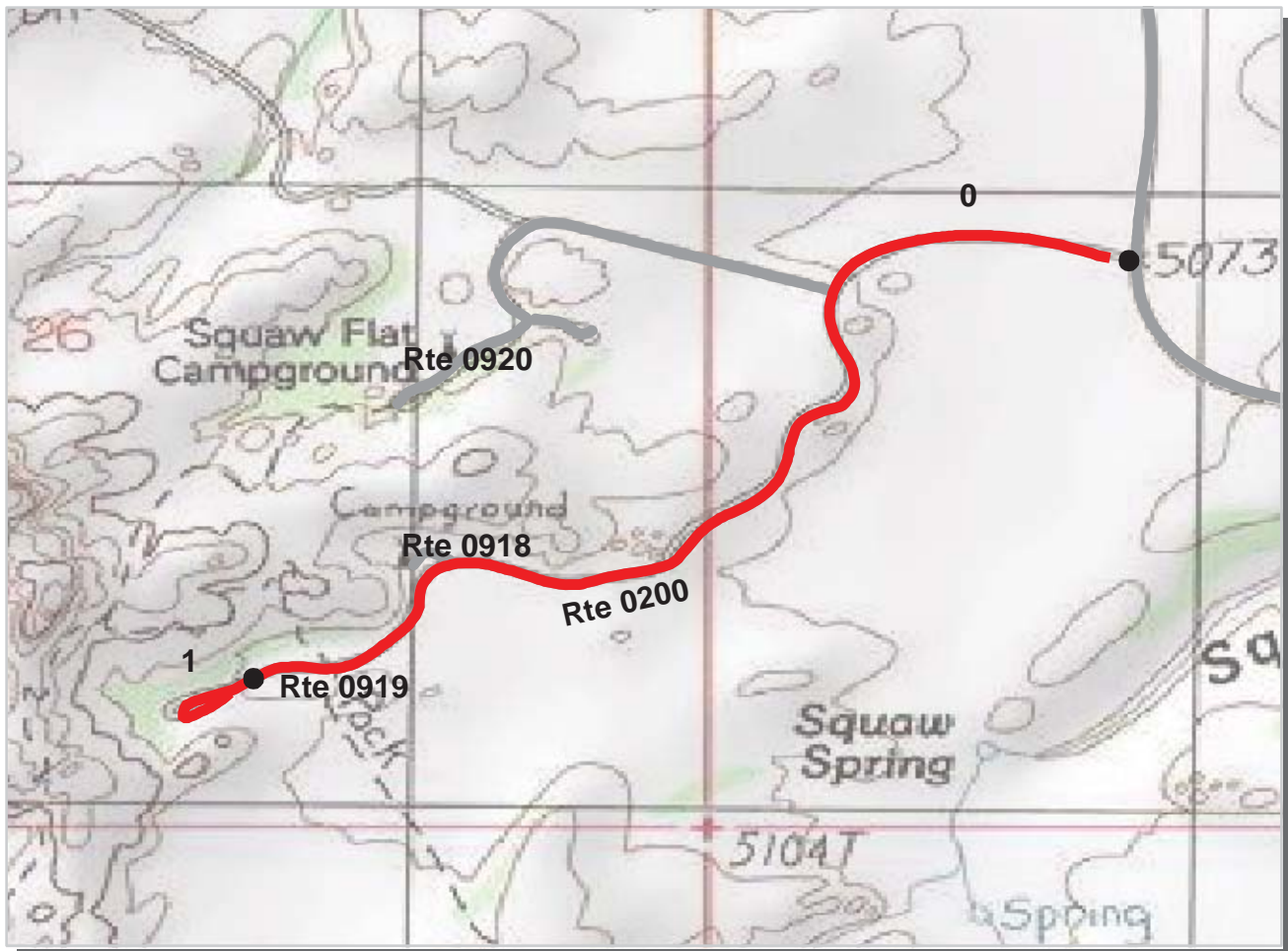
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0114 Upheaval Dome Road** **TOTAL LENGTH: 4.77 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	0.77
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	21	22	21	22
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	0	4	0	3	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	64	63	59	64	63
RCI (Roughness Condition Index)	98	99	95	99	95
SCR (Surface Condition Rating)	44	39	36	41	41
Alligator Cracking Index	100	100	100	100	100
Rutting Index	45	40	37	42	42
Patching Index	100	100	100	100	100
Transverse Cracking Index	99	99	99	99	99
Longitudinal Cracking Index	99	99	99	99	99
Shoulder Condition Rating	N/A	GOOD	N/A	GOOD	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0114 Upheaval Dome Road**

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



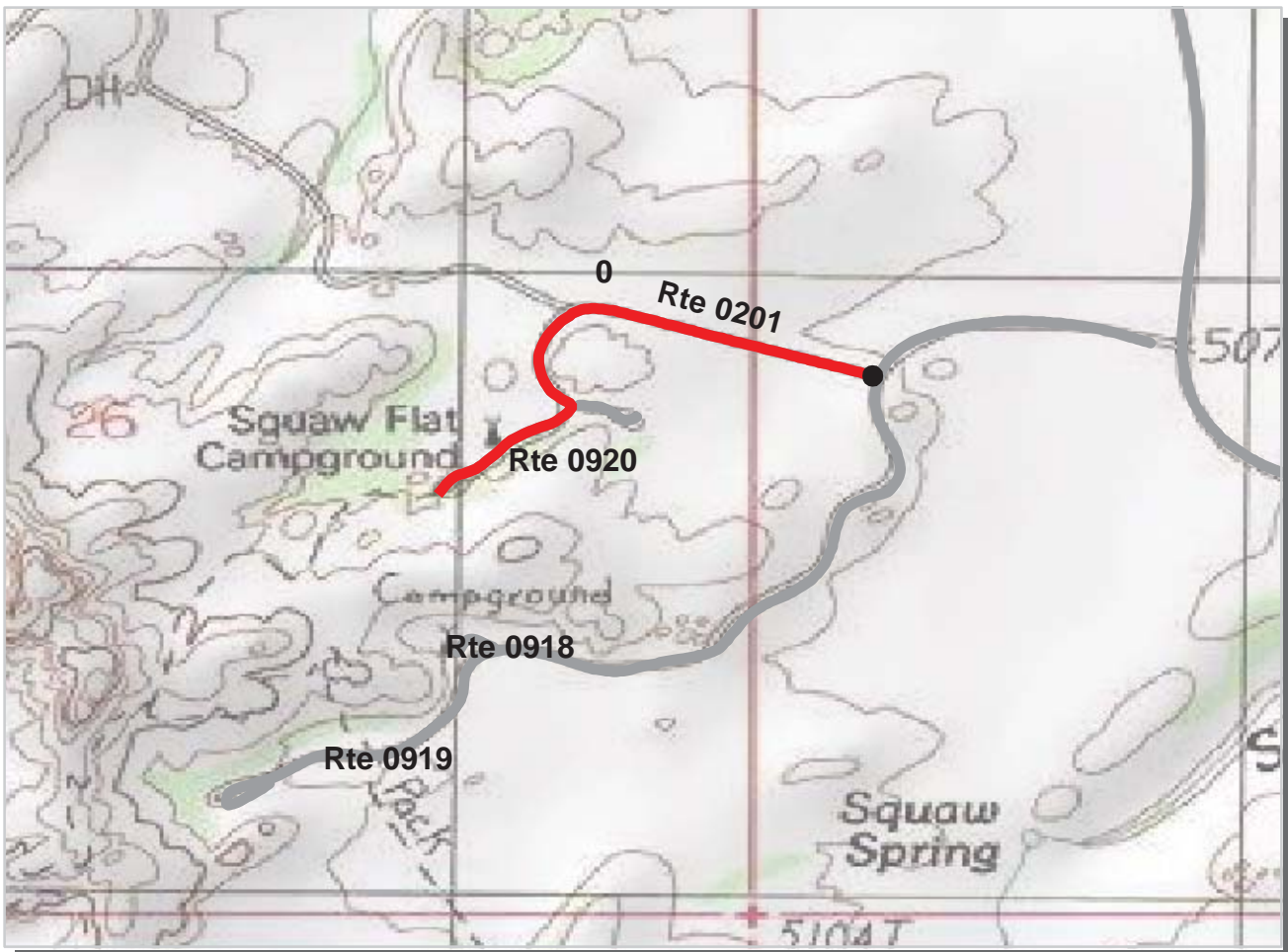
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0200 Squaw Flat Campground Road (Loop A) TOTAL LENGTH: 1.13 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.13			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	21	22			
Lane Width (ft)	11	12			
Shoulder Width (ft)	4	0			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	42	33			
RCI (Roughness Condition Index)	65	77			
SCR (Surface Condition Rating)	27	26			
Alligator Cracking Index	100	100			
Rutting Index	48	52			
Patching Index	100	100			
Transverse Cracking Index	87	84			
Longitudinal Cracking Index	91	89			
Shoulder Condition Rating	GOOD	N/A			
Drainage Condition Rating	GOOD	GOOD			

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

ROUTE: 0200 Squaw Flat Campground Road (Loop A)



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.

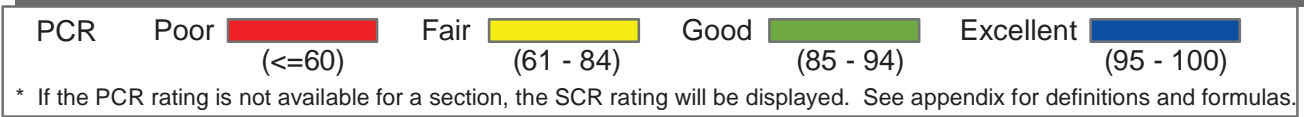
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0201 Squaw Flat Campground Road (Loop B)                    TOTAL LENGTH: 0.52 Miles**

Section Number	0				
Section Length (mi)	0.52				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	9				
Shoulder Width (ft)	5				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	33				
RCI (Roughness Condition Index)	65				
SCR (Surface Condition Rating)	26				
Alligator Cracking Index	100				
Rutting Index	44				
Patching Index	100				
Transverse Cracking Index	88				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

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

ROUTE: 0201 Squaw Flat Campground Road (Loop B)



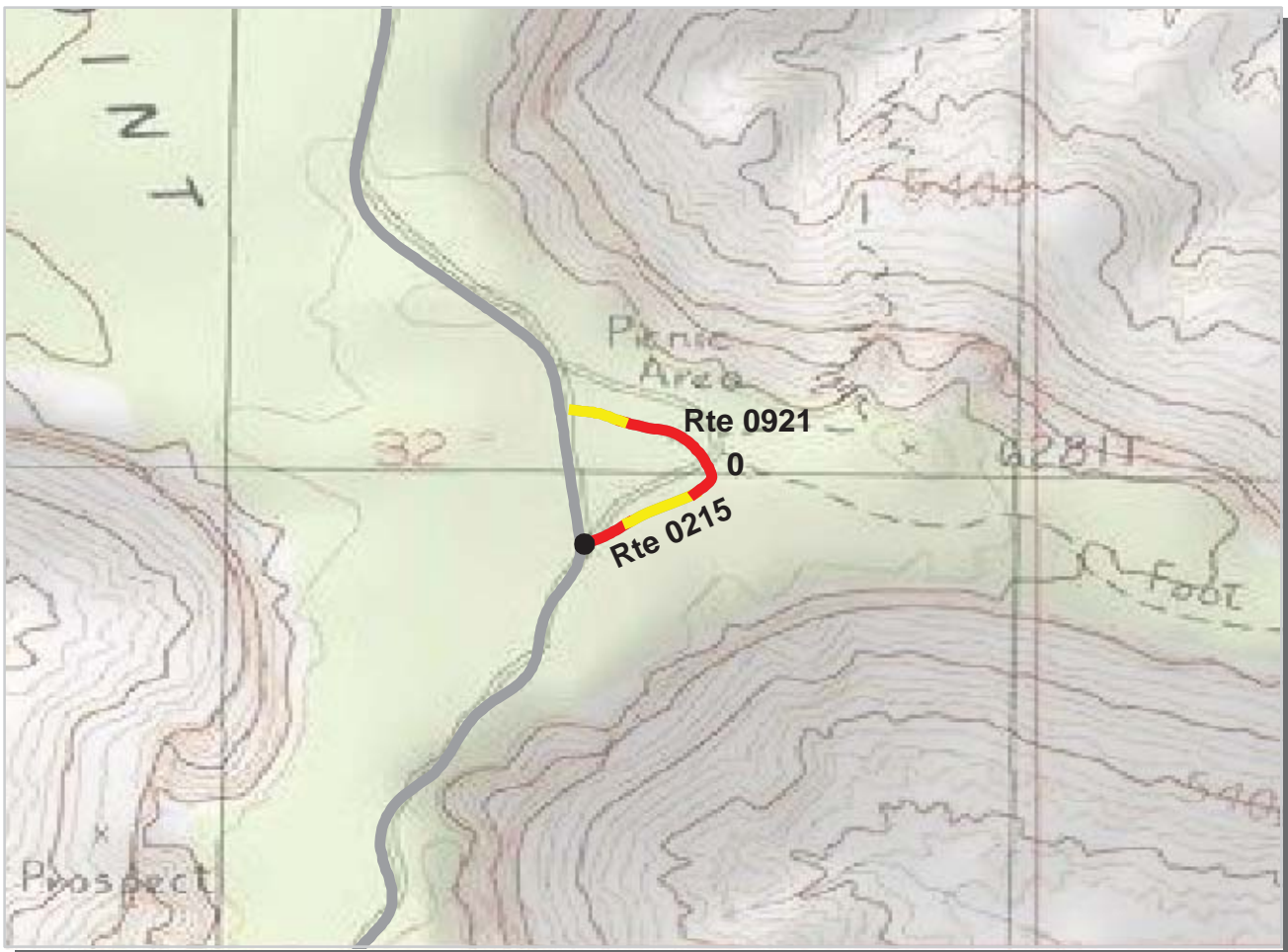
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0202 Needles Outpost Road** **TOTAL LENGTH: 0.36 Miles**

Section Number	0				
Section Length (mi)	0.36				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	51				
RCI (Roughness Condition Index)	89				
SCR (Surface Condition Rating)	37				
Alligator Cracking Index	100				
Rutting Index	43				
Patching Index	100				
Transverse Cracking Index	94				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

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

ROUTE: 0202 Needles Outpost Road



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**  
**CANY : Canyonlands National Park**

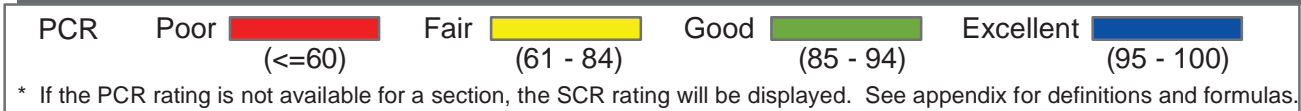
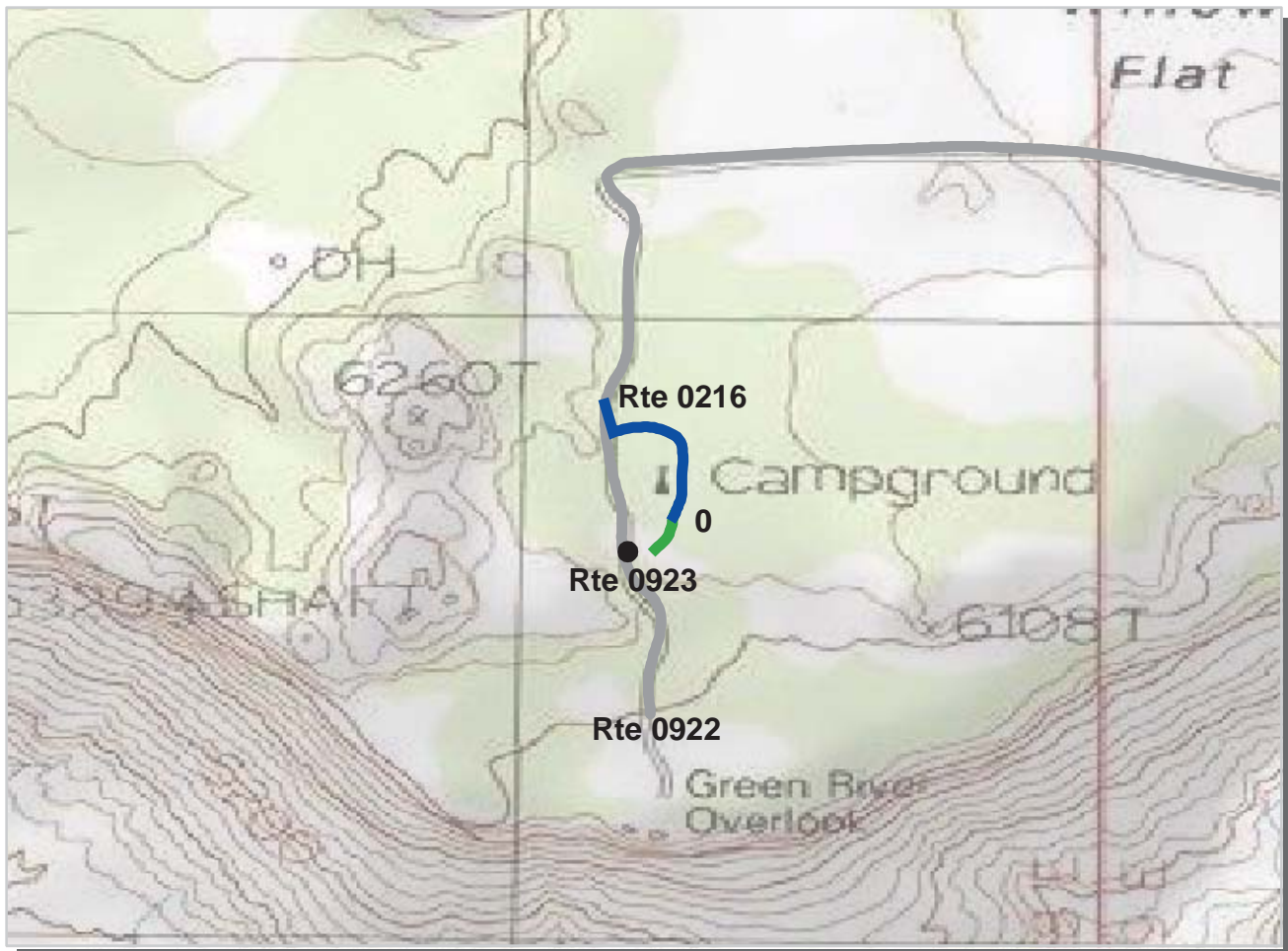
**ROUTE: 0215 White Rim Overlook Picnic Area**                    **TOTAL LENGTH: 0.28 Miles**

Section Number	0				
Section Length (mi)	0.28				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	4				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	61				
RCI (Roughness Condition Index)	85				
SCR (Surface Condition Rating)	58				
Alligator Cracking Index	100				
Rutting Index	64				
Patching Index	100				
Transverse Cracking Index	95				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

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

ROUTE: 0215 White Rim Overlook Picnic Area





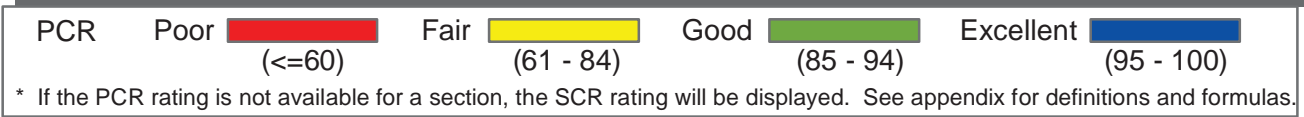
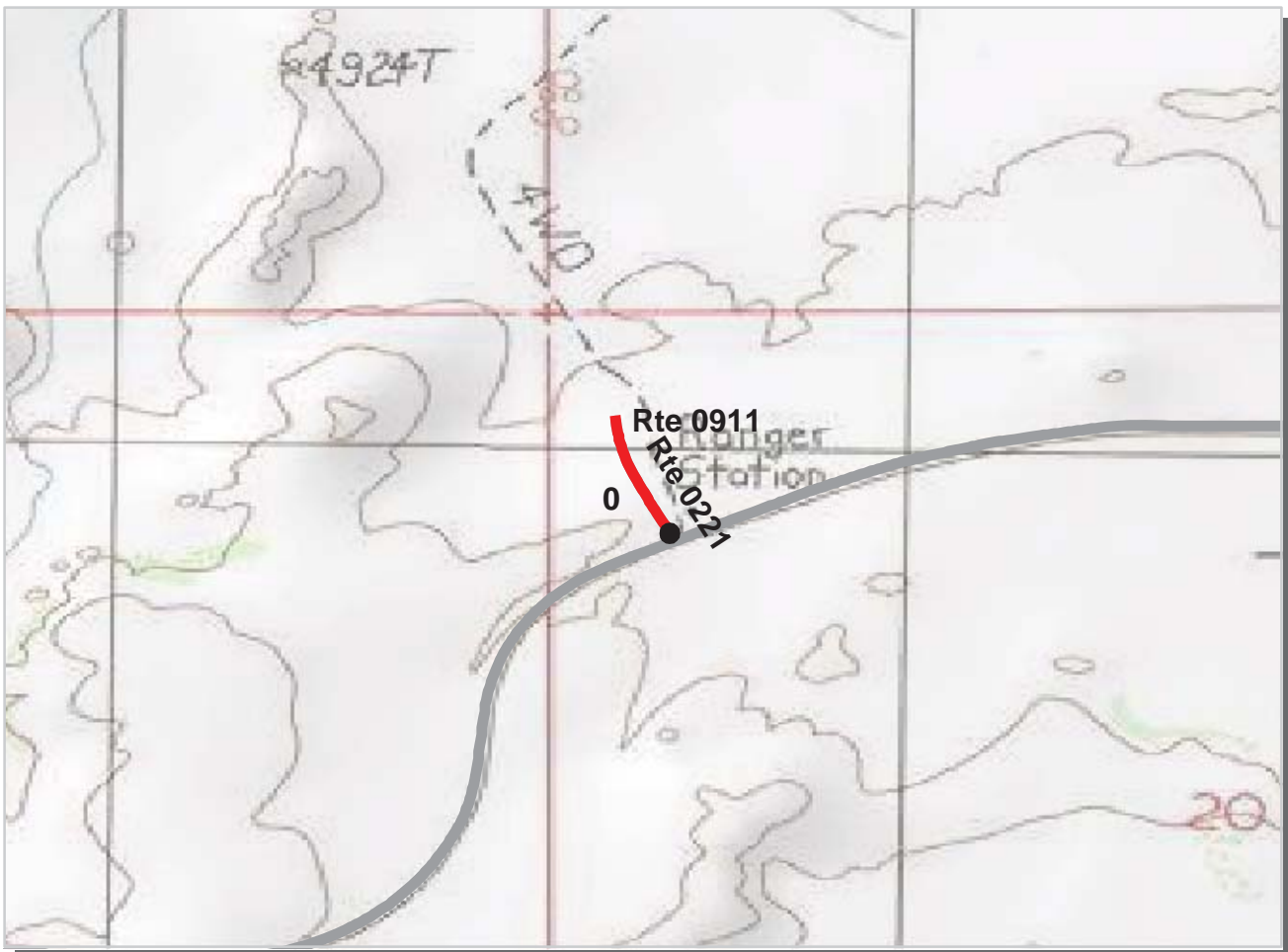
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0216 Willow Flats Campground** **TOTAL LENGTH: 0.21 Miles**

Section Number	0				
Section Length (mi)	0.21				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	90				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	90				
Alligator Cracking Index	100				
Rutting Index	90				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0216 Willow Flats Campground

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



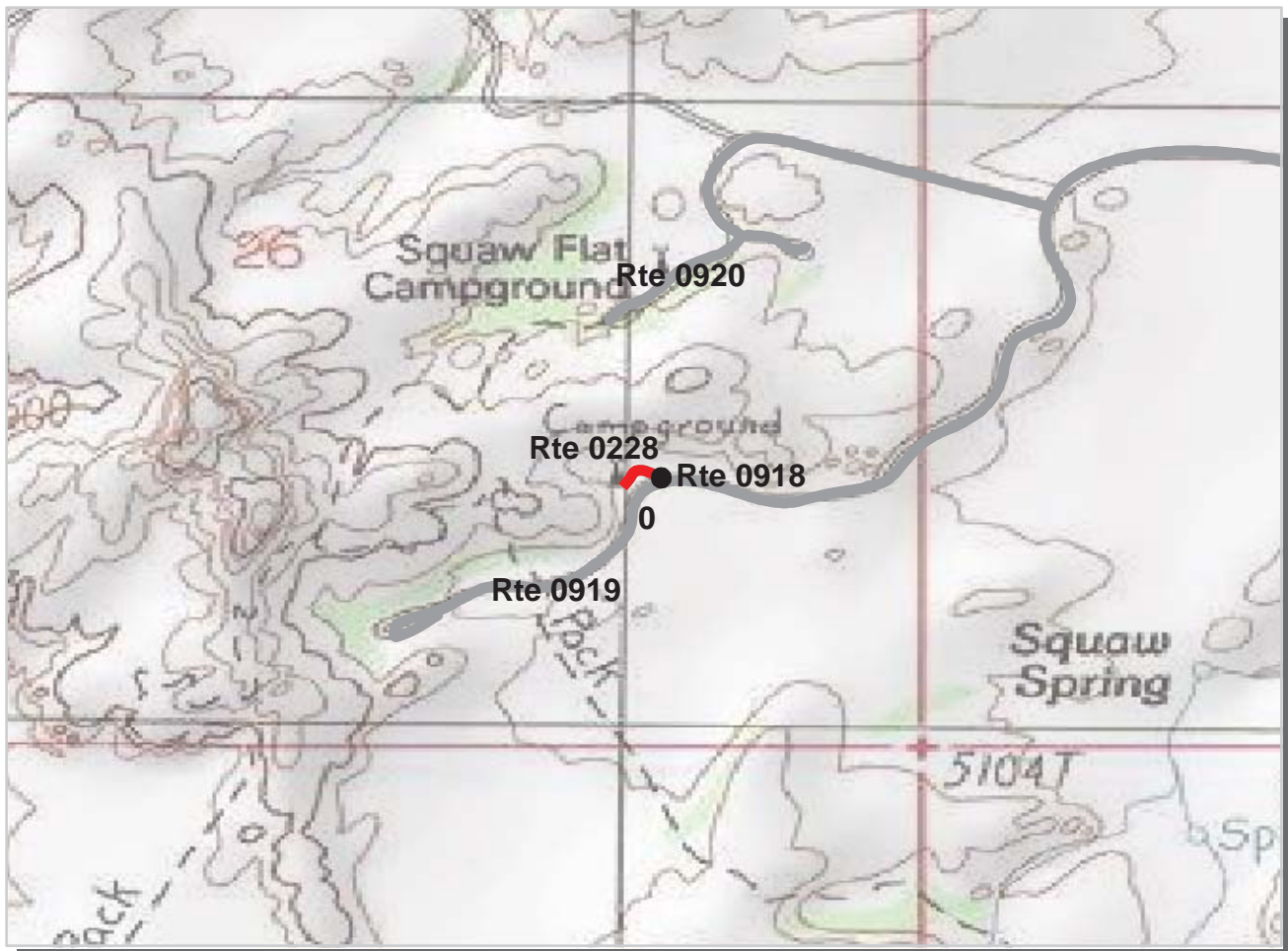
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0221 Needles Visitor Contact Station Access Road** **TOTAL LENGTH: 0.14 Miles**

Section Number	0				
Section Length (mi)	0.14				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	38				
RCI (Roughness Condition Index)	59				
SCR (Surface Condition Rating)	33				
Alligator Cracking Index	100				
Rutting Index	34				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

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

ROUTE: 0221 Needles Visitor Contact Station Access Road



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.

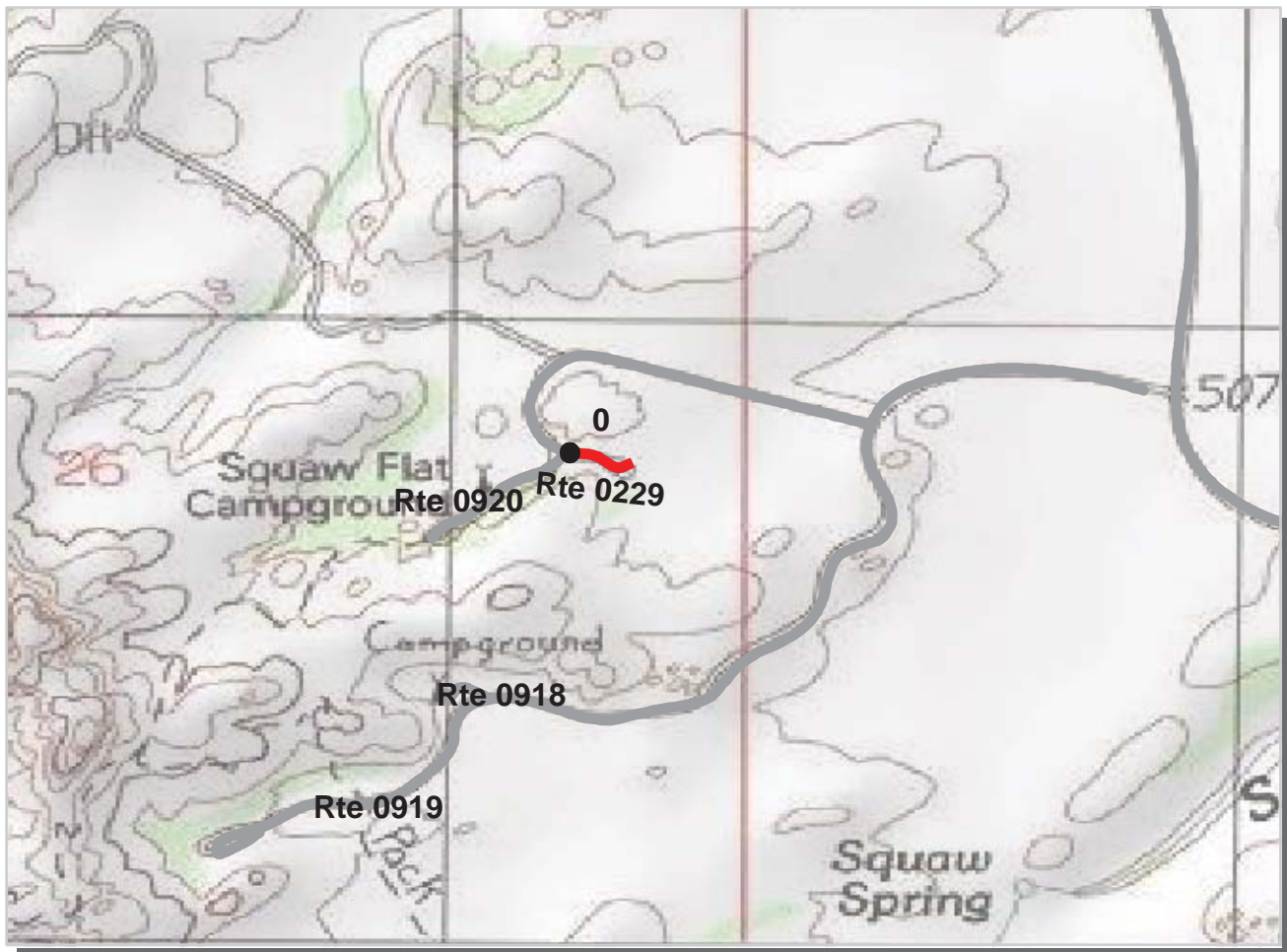
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0228 Squaw Flat Host Loop** **TOTAL LENGTH: 0.06 Miles**

Section Number	0				
Section Length (mi)	0.06				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	30				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	30				
Alligator Cracking Index	100				
Rutting Index	45				
Patching Index	100				
Transverse Cracking Index	92				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

**ROUTE: 0228 Squaw Flat Host Loop**

\* 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.

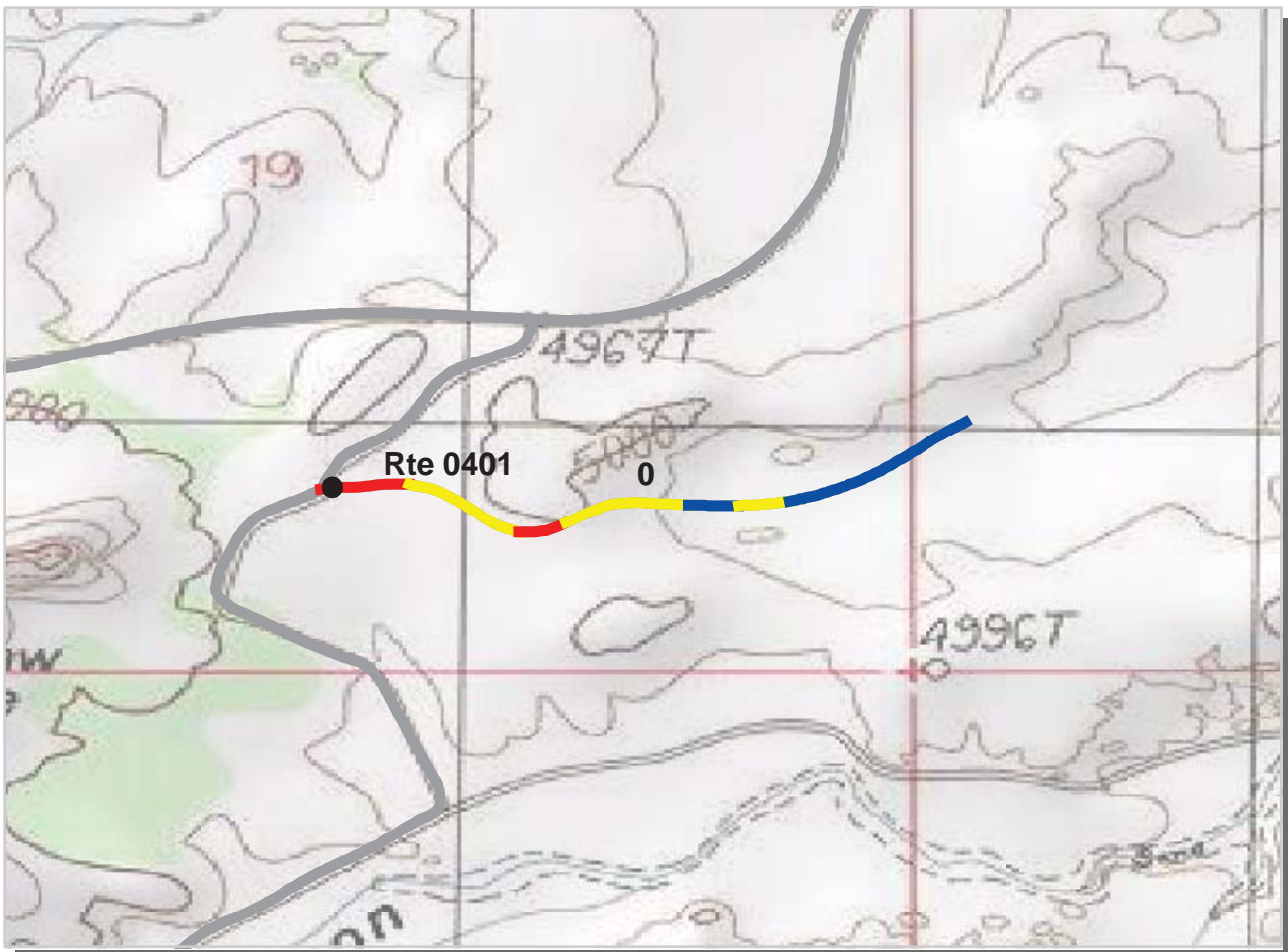
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0229 Squaw Flat Campground Loop**                      **TOTAL LENGTH: 0.08 Miles**

Section Number	0				
Section Length (mi)	0.08				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	17				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	17				
Alligator Cracking Index	100				
Rutting Index	52				
Patching Index	100				
Transverse Cracking Index	79				
Longitudinal Cracking Index	85				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

**ROUTE: 0229 Squaw Flat Campground Loop**

\* 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.

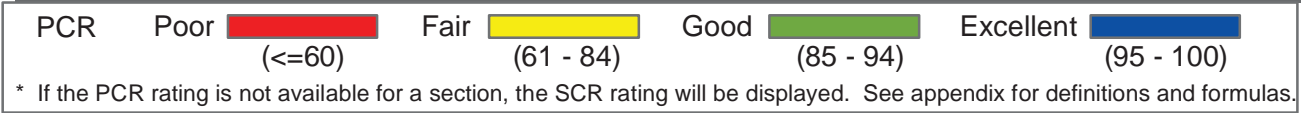
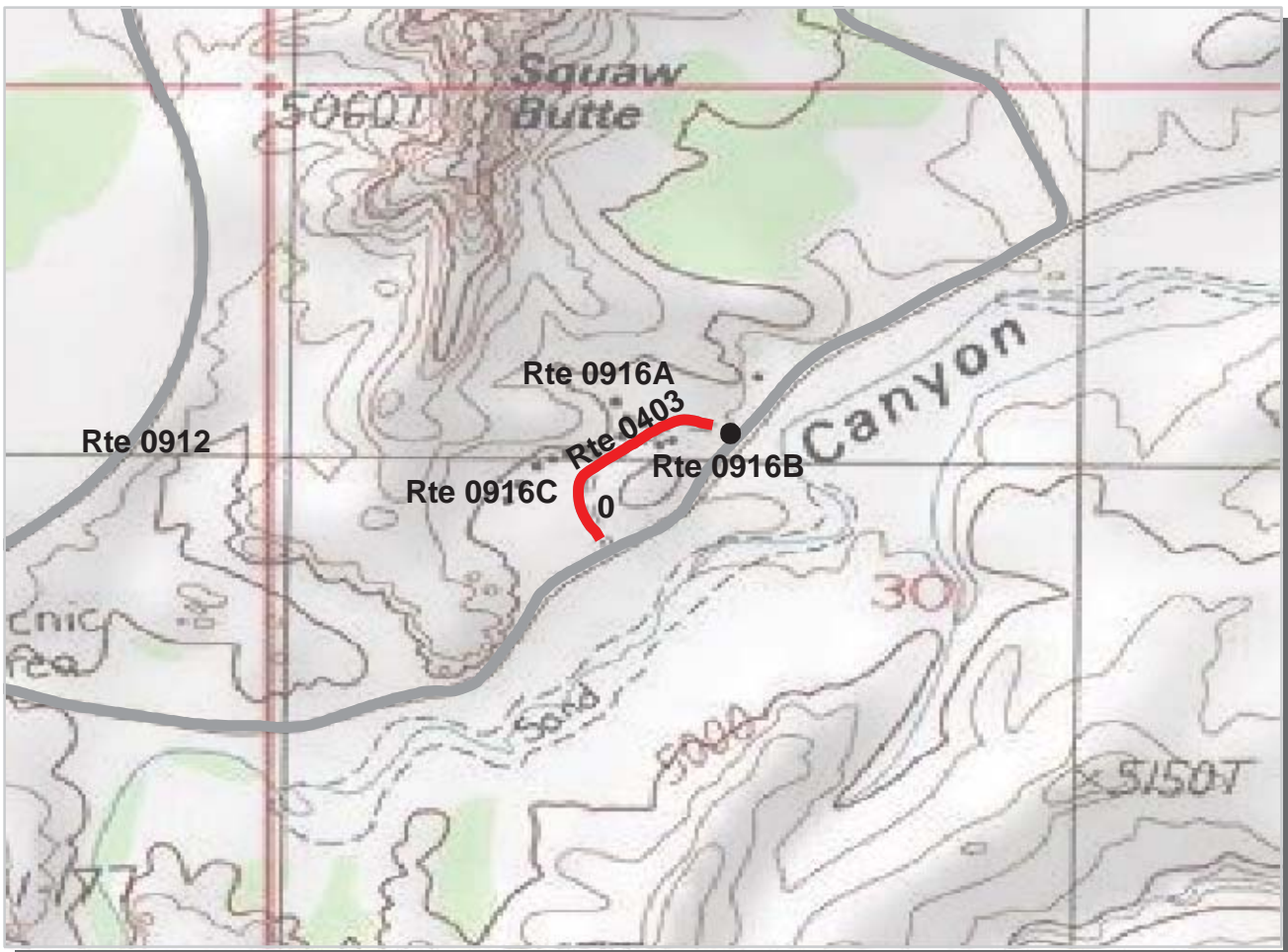
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0401 Needles Residence Road** **TOTAL LENGTH: 0.56 Miles**

Section Number	0				
Section Length (mi)	0.56				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	9				
Shoulder Width (ft)	5				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	73				
RCI (Roughness Condition Index)	96				
SCR (Surface Condition Rating)	62				
Alligator Cracking Index	100				
Rutting Index	69				
Patching Index	100				
Transverse Cracking Index	93				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0401 Needles Residence Road

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



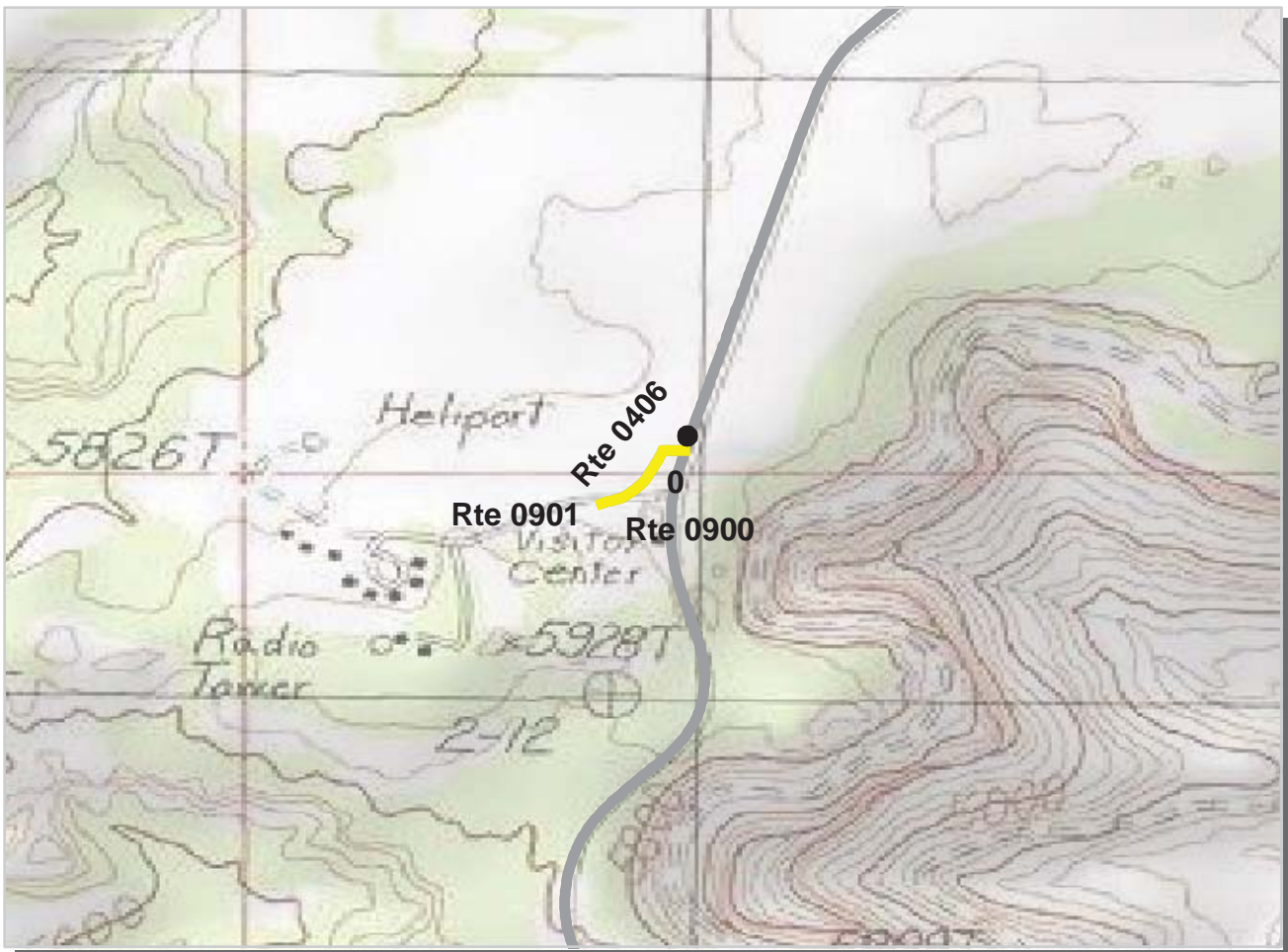
**Intermountain Region**  
**CANY : Canyonlands National Park**

**ROUTE: 0403 Needles Maintenance Area Loop** **TOTAL LENGTH: 0.22 Miles**

Section Number	0				
Section Length (mi)	0.22				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	53				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	53				
Alligator Cracking Index	100				
Rutting Index	54				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0403 Needles Maintenance Area Loop

\* 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**  
**CANY : Canyonlands National Park**

**ROUTE: 0406 I-Sky Residence Road** **TOTAL LENGTH: 0.11 Miles**

Section Number	0				
Section Length (mi)	0.11				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	75				
RCI (Roughness Condition Index)	100				
SCR (Surface Condition Rating)	69				
Alligator Cracking Index	100				
Rutting Index	78				
Patching Index	100				
Transverse Cracking Index	93				
Longitudinal Cracking Index	96				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0406 I-Sky Residence Road

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

## **CANY: Manually Rated Paved Route Condition Rating Sheets**

No data available for this section



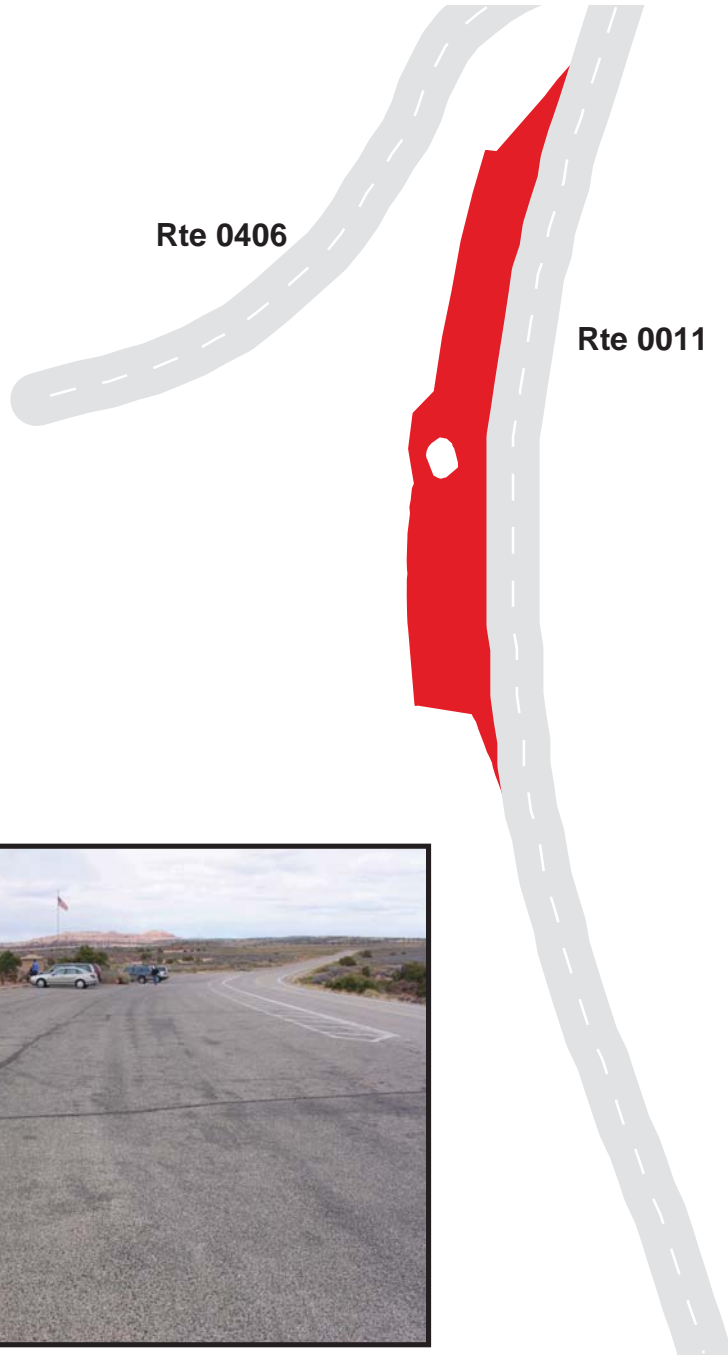
# Canyonlands National Park

## Route 0900

Island In The Sky Visitor Center Parking  
Adjacent to Route 0011 at MP 6.8

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900	Public	4/3/2003	22997	0.40	OC	FAIR / 73

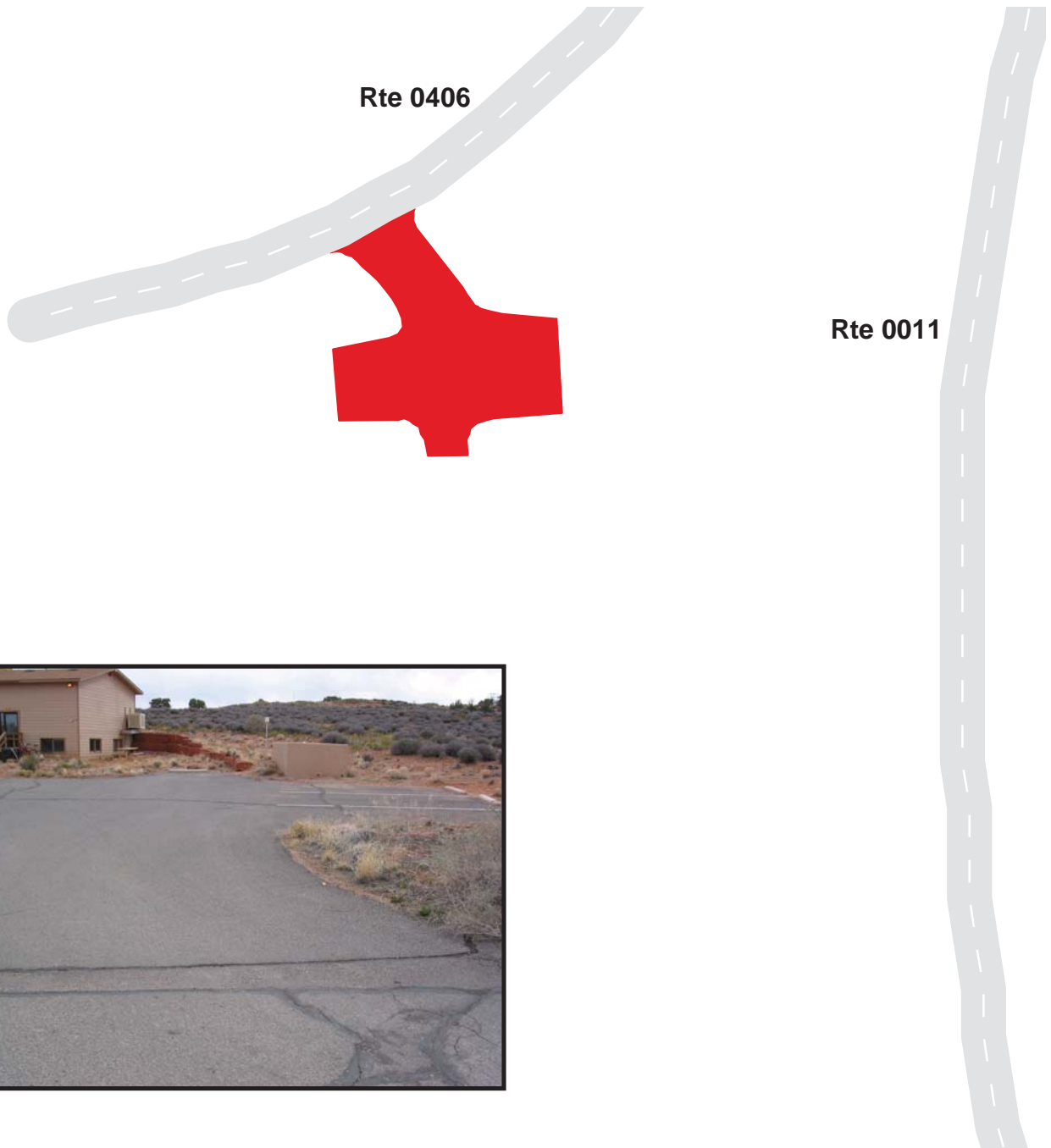
\* Lane miles are based on 11' lane widths



**Canyonlands National Park**  
**Route 0901**  
 Sky Visitor Center Employee Parking  
 Adjacent to Route 0406

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	NonPublic	4/3/2003	3720	0.06	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



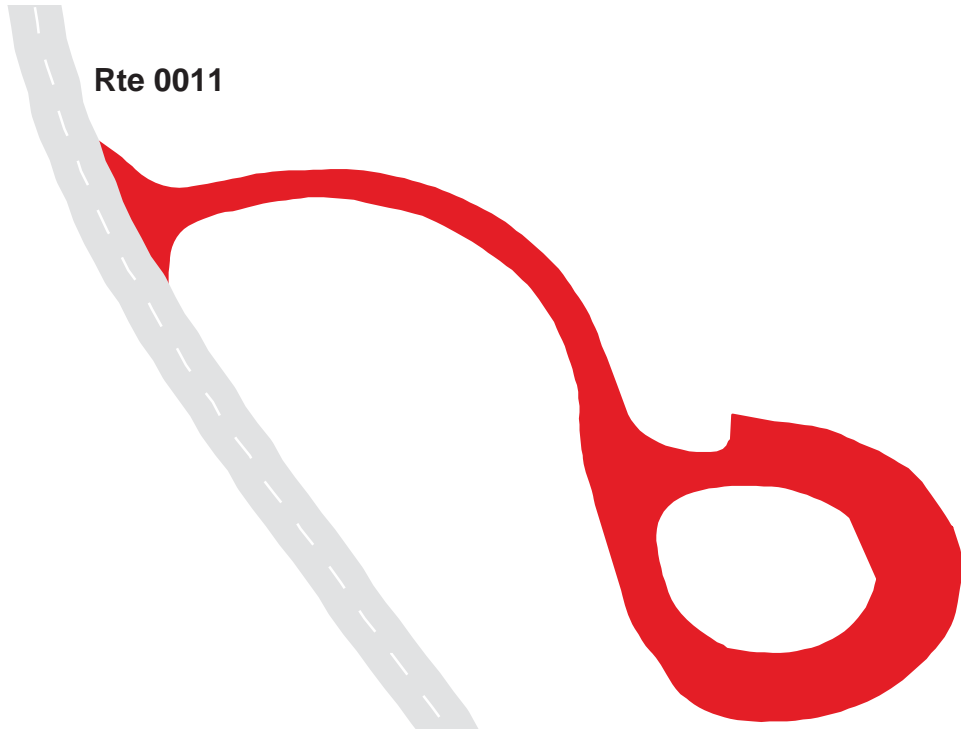
# Canyonlands National Park

## Route 0902

Neck Springs Trailhead Parking  
Adjacent to Route 0011 at MP 7.3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902	Public	4/3/2003	41017	0.71	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



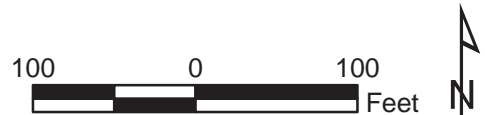
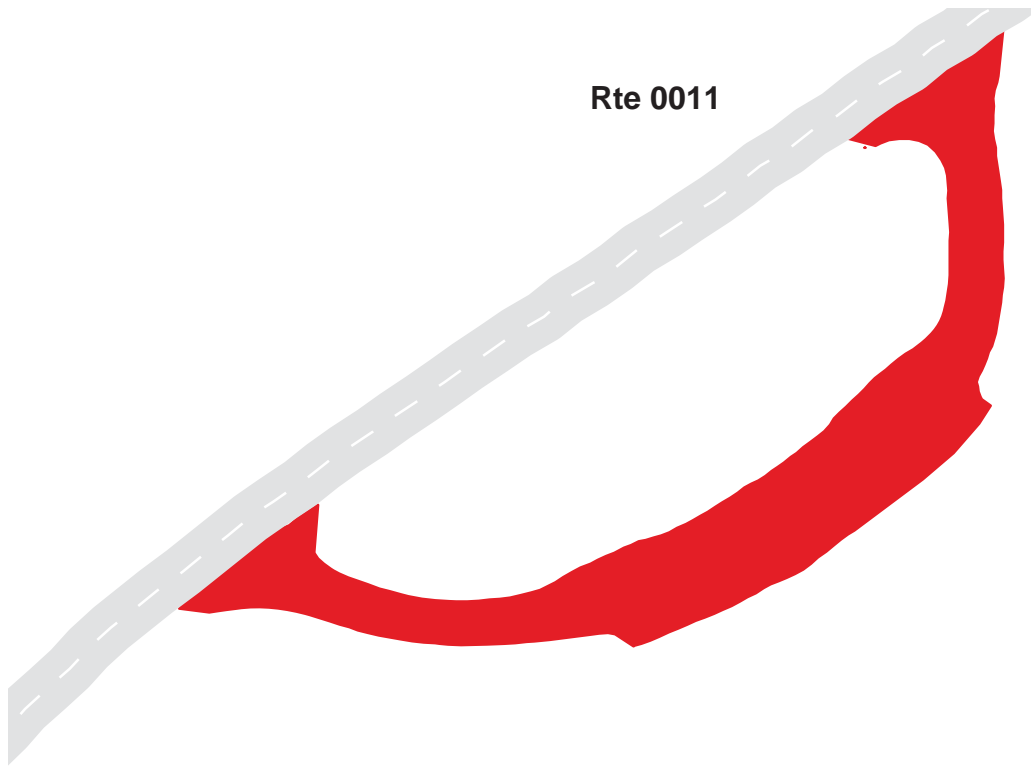
# Canyonlands National Park

## Route 0903

Mesa Arch Parking  
From Route 0011 at MP 12.85

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903	Public	4/3/2003	23532	0.41	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Canyonlands National Park

## Route 0904

Buck Canyon Overlook Parking

From Route 0011 at MP 16.2

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904	Public	4/3/2003	21609	0.37	AS	GOOD / 90

\* Lane miles are based on 11' lane widths

Rte 0011



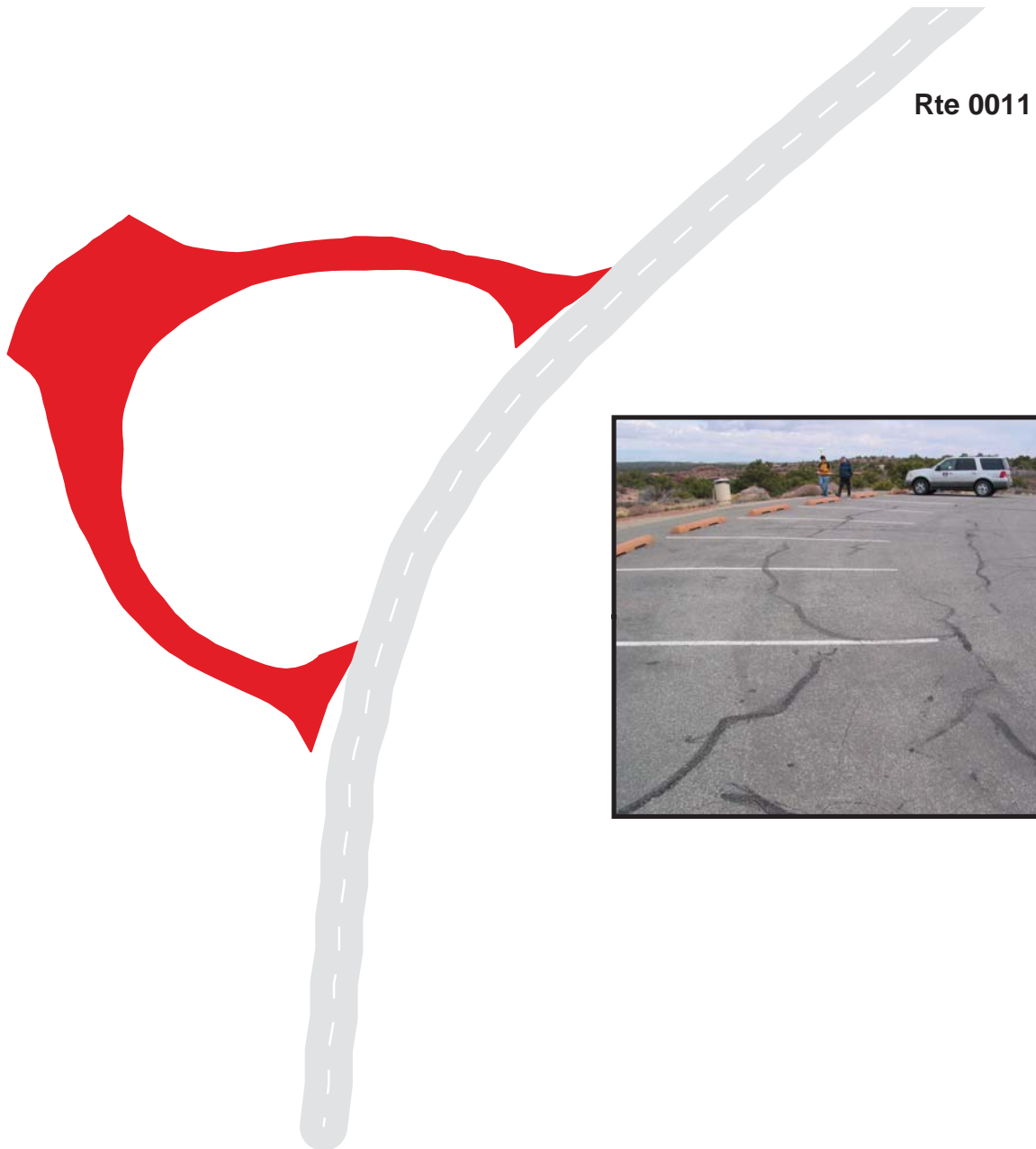
# Canyonlands National Park

## Route 0905

Orange Cliffs Overlook Parking  
From Route 0011 (just before end of route)

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905	Public	4/3/2003	12849	0.22	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



# Canyonlands National Park

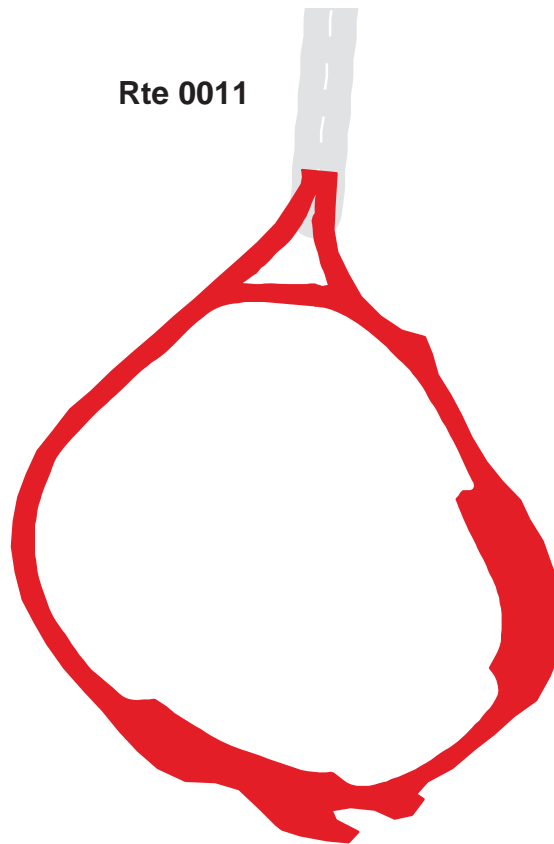
## Route 0906

Grandview Point Parking Area

At End of Route 0011

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	Public	4/3/2003	38550	0.66	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



# Canyonlands National Park

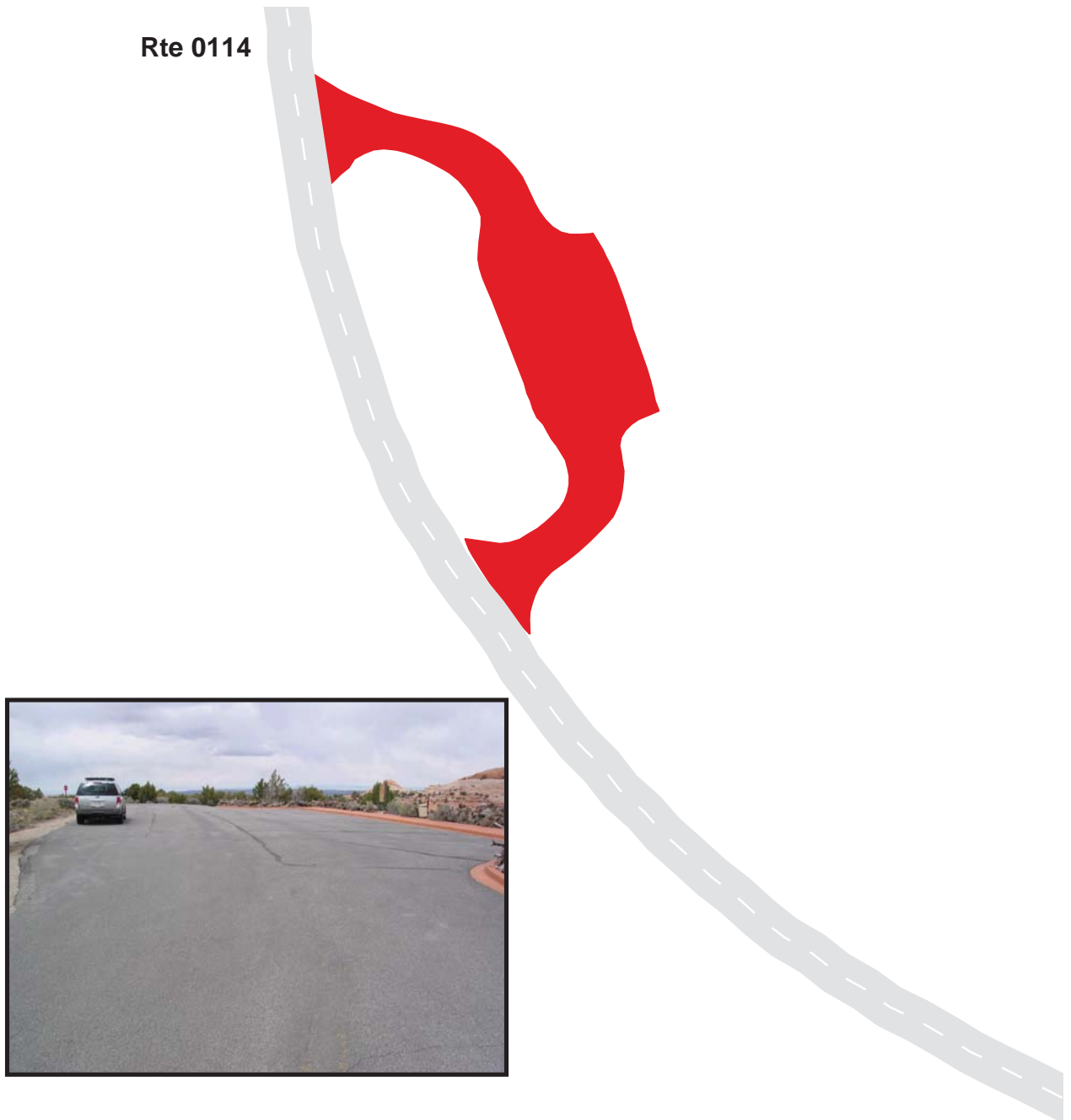
## Route 0907

Aztec Butte Trailhead Parking

From Route 0114 at MP 0.9

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907	Public	4/3/2003	12892	0.22	AS	GOOD / 90

\* Lane miles are based on 11' lane widths





# Canyonlands National Park

## Route 0908

Whale Rock Trailhead Parking

From Route 0114 at MP 4

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0908	Public	4/3/2003	11364	0.20	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Canyonlands National Park

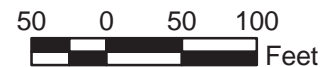
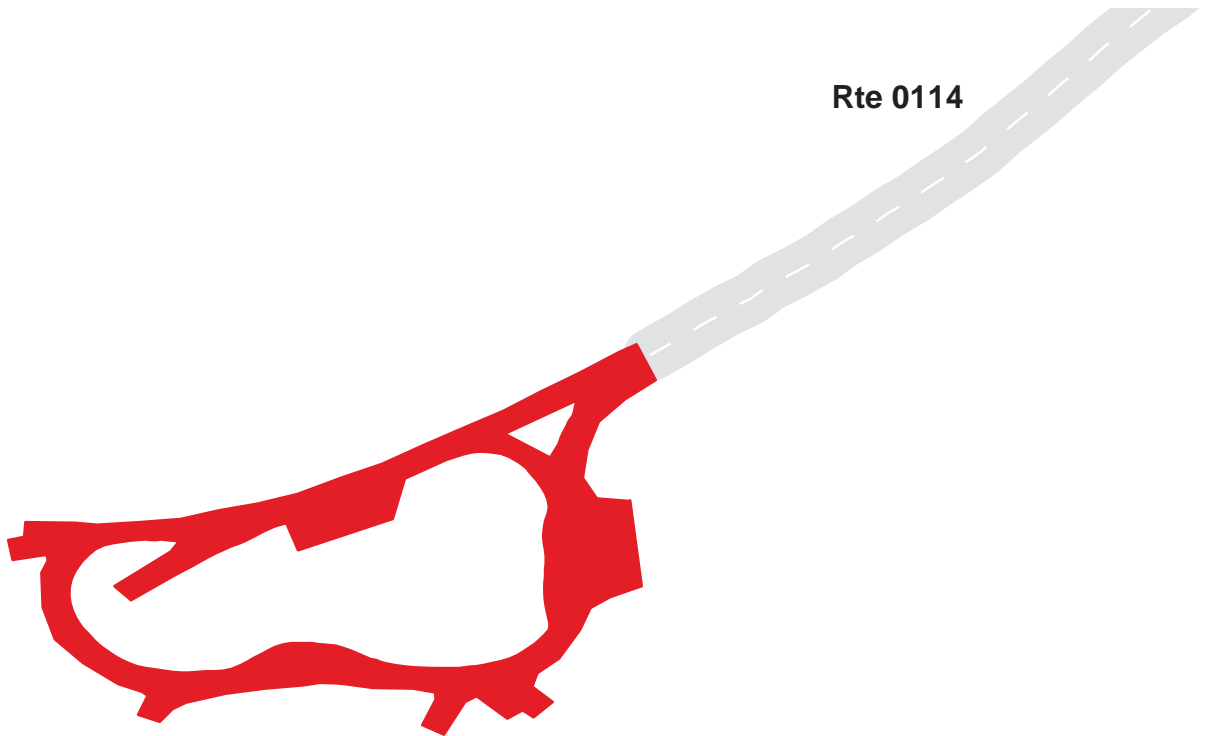
## Route 0909

Upheaval Dome Picnic Parking

At End of Route 0114

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0909	Public	4/3/2003	20726	0.36	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Canyonlands National Park

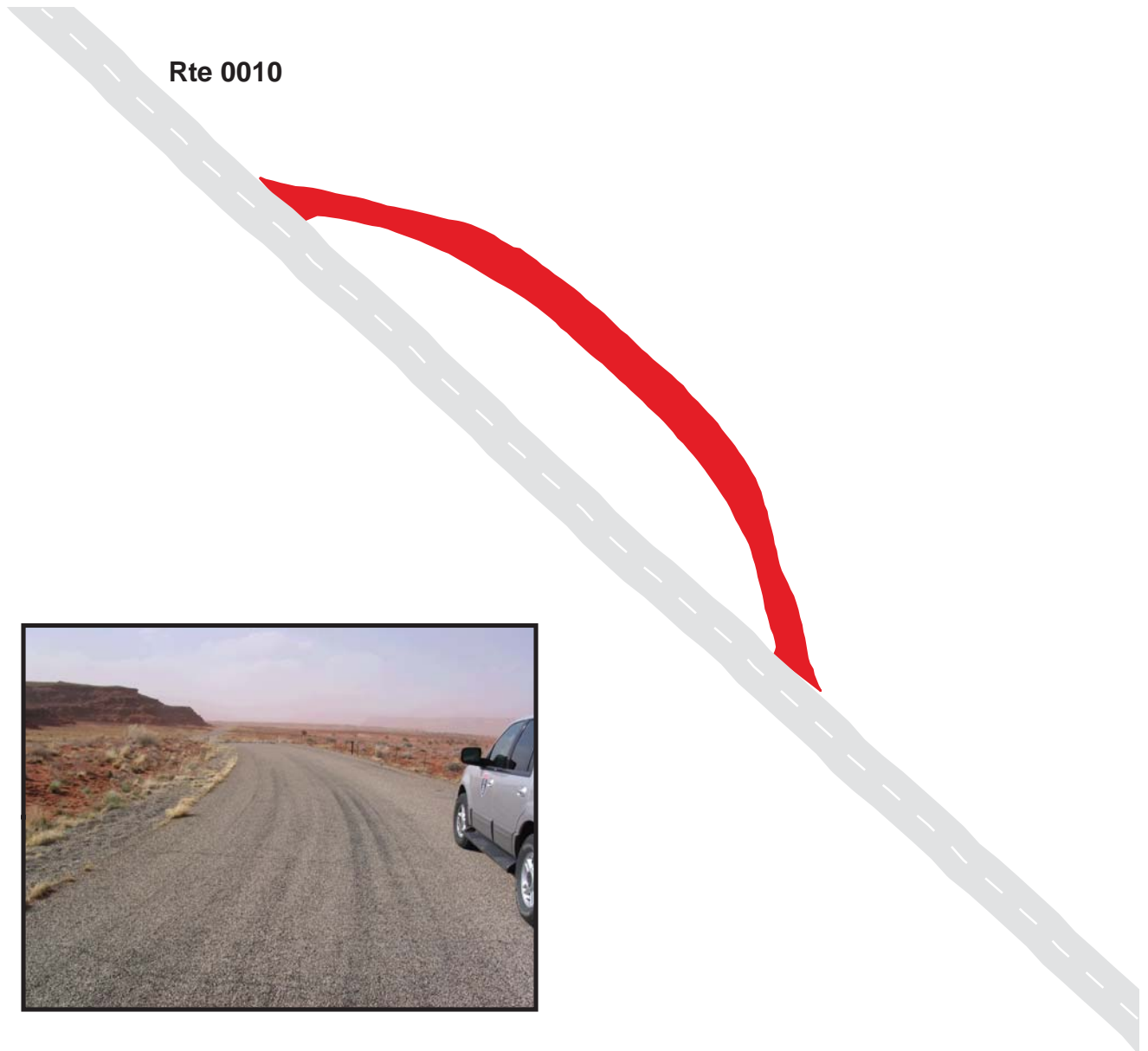
## Route 0910

Indian Creek Parking

From Route 0010 at MP 7.6

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0910	Public	4/2/2003	9309	0.16	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



# Canyonlands National Park

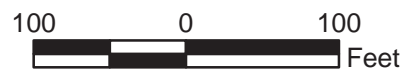
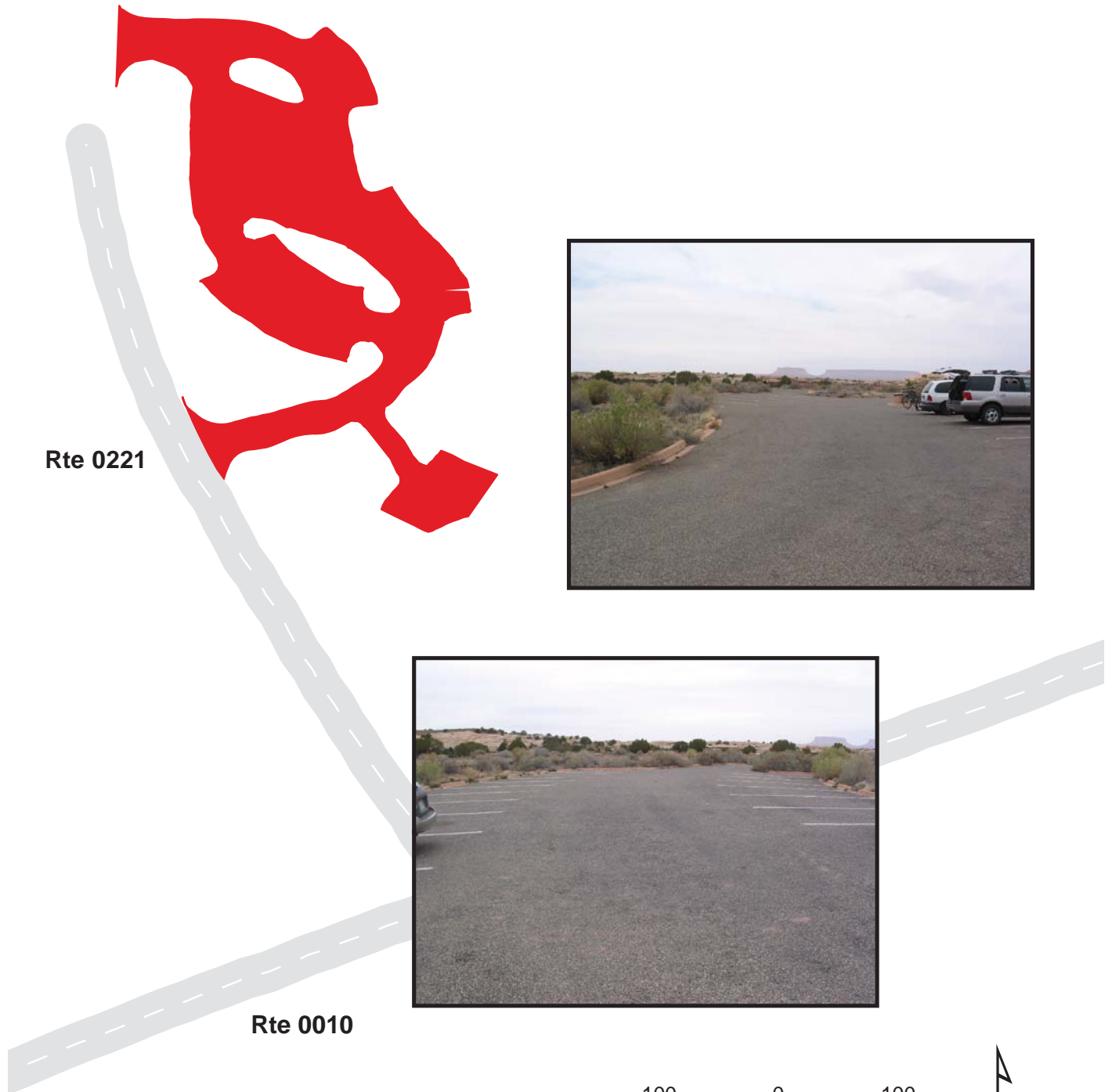
## Route 0911

Needles Visitor Center Parking

From Route 0221

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0911	Public	4/2/2003	40561	0.70	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



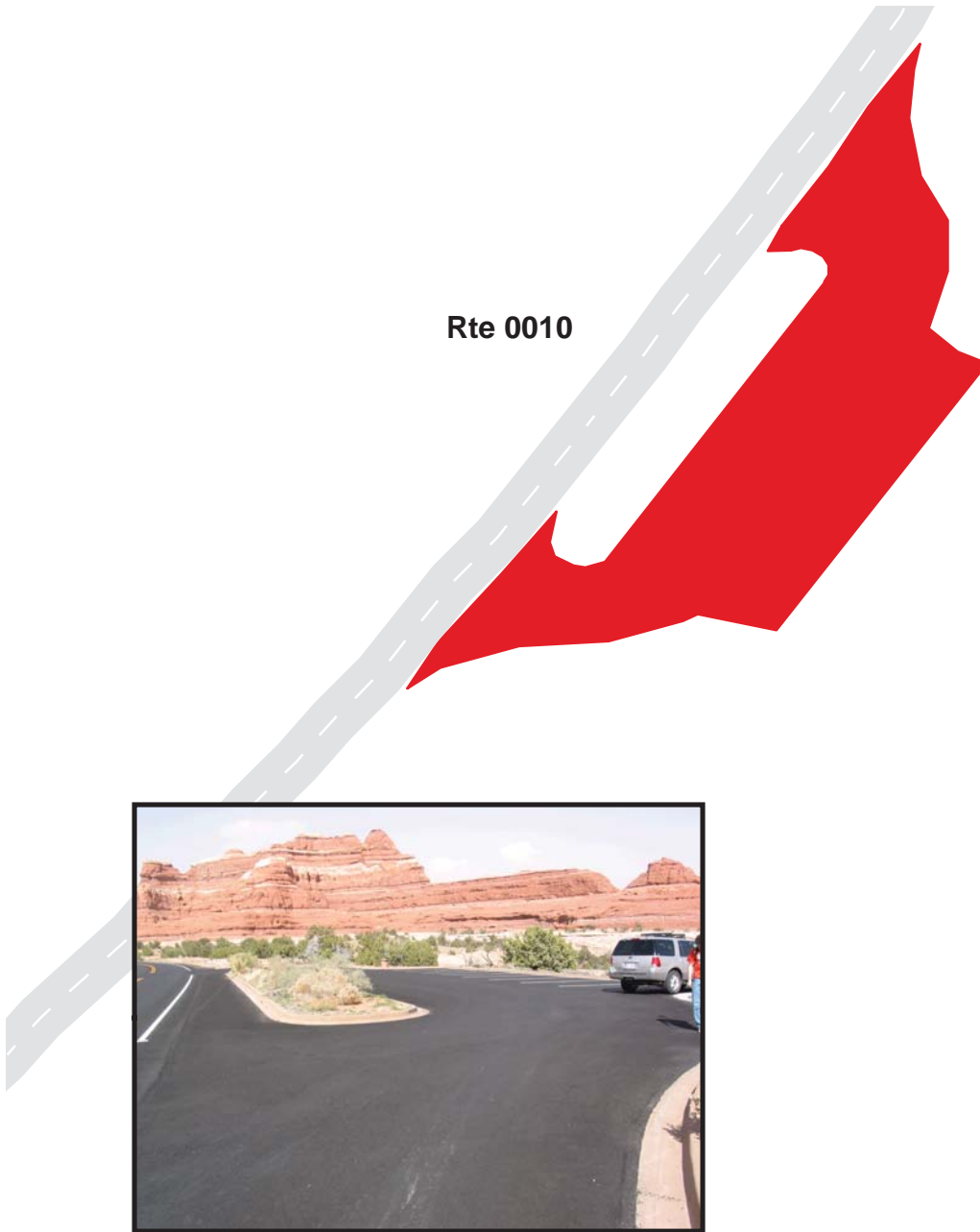
# Canyonlands National Park

## Route 0912

Wooden Shoe Parking  
From Route 0010 at MP 17.5

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0912	Public	4/2/2003	7538	0.13	AS	EXCELLENT / 97

\* Lane miles are based on 11' lane widths



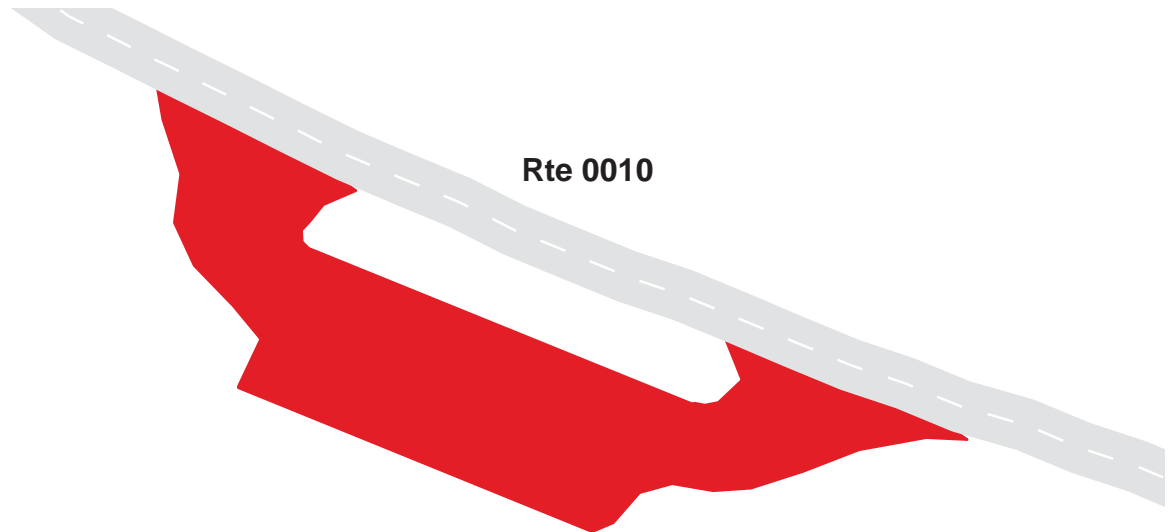
# Canyonlands National Park

## Route 0913

The Picnic Area (Needles)  
From Route 0010 at MP 19.9

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	Public	4/2/2003	7781	0.13	AS	EXCELLENT / 97

\* Lane miles are based on 11' lane widths



# Canyonlands National Park

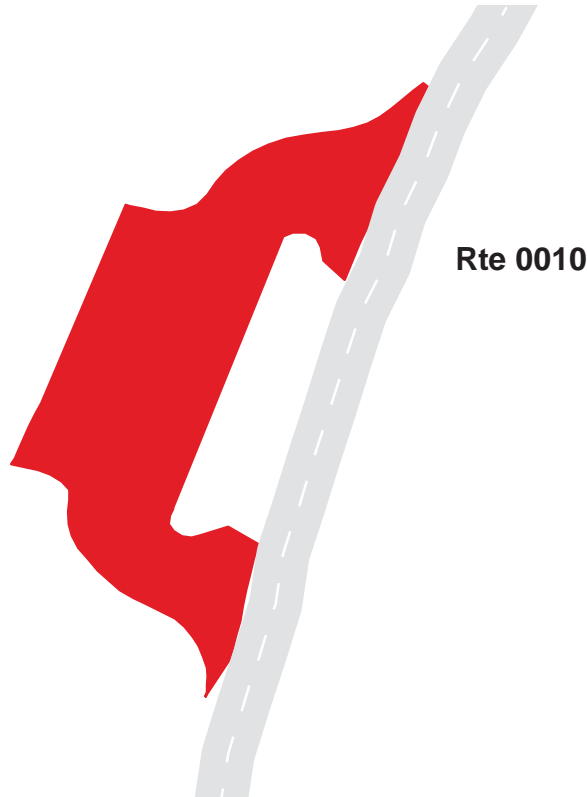
## Route 0914

Pothole Hill Trailhead Parking

From Route 0010 at MP 20.3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	Public	4/2/2003	8276	0.14	AS	EXCELLENT / 97

\* Lane miles are based on 11' lane widths



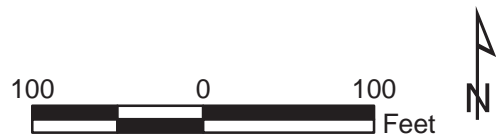
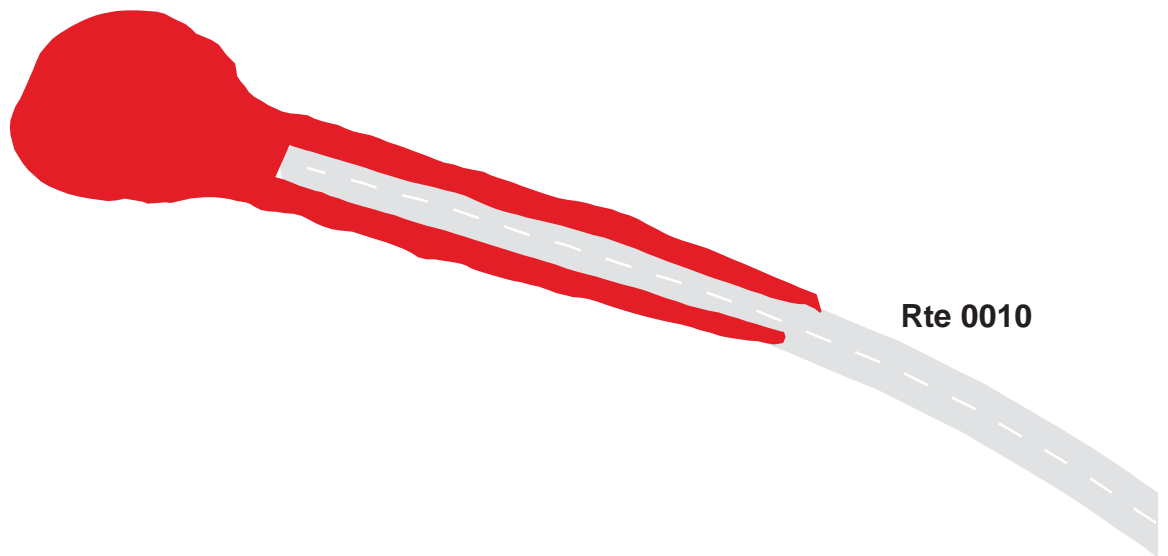
# Canyonlands National Park

## Route 0915

Big Springs Parking  
At End of Route 0010

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0915	Public	4/2/2003	17796	0.31	AS	EXCELLENT / 97

\* Lane miles are based on 11' lane widths





# Canyonlands National Park

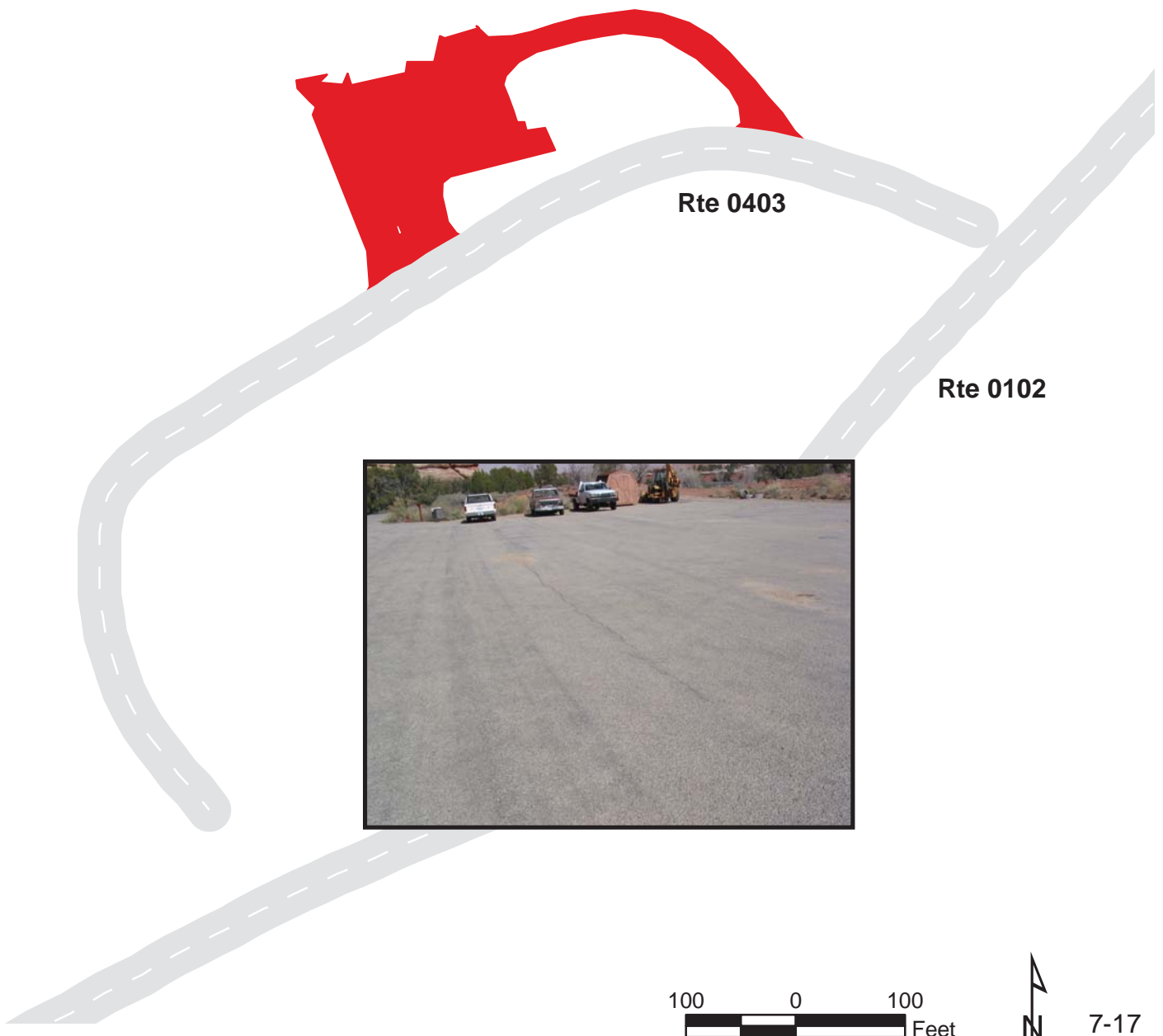
## Route 0916A

Needles Maintenance Yard Complex Area A

From Route 0403

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916A	NonPublic	4/2/2003	27536	0.47	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



# Canyonlands National Park

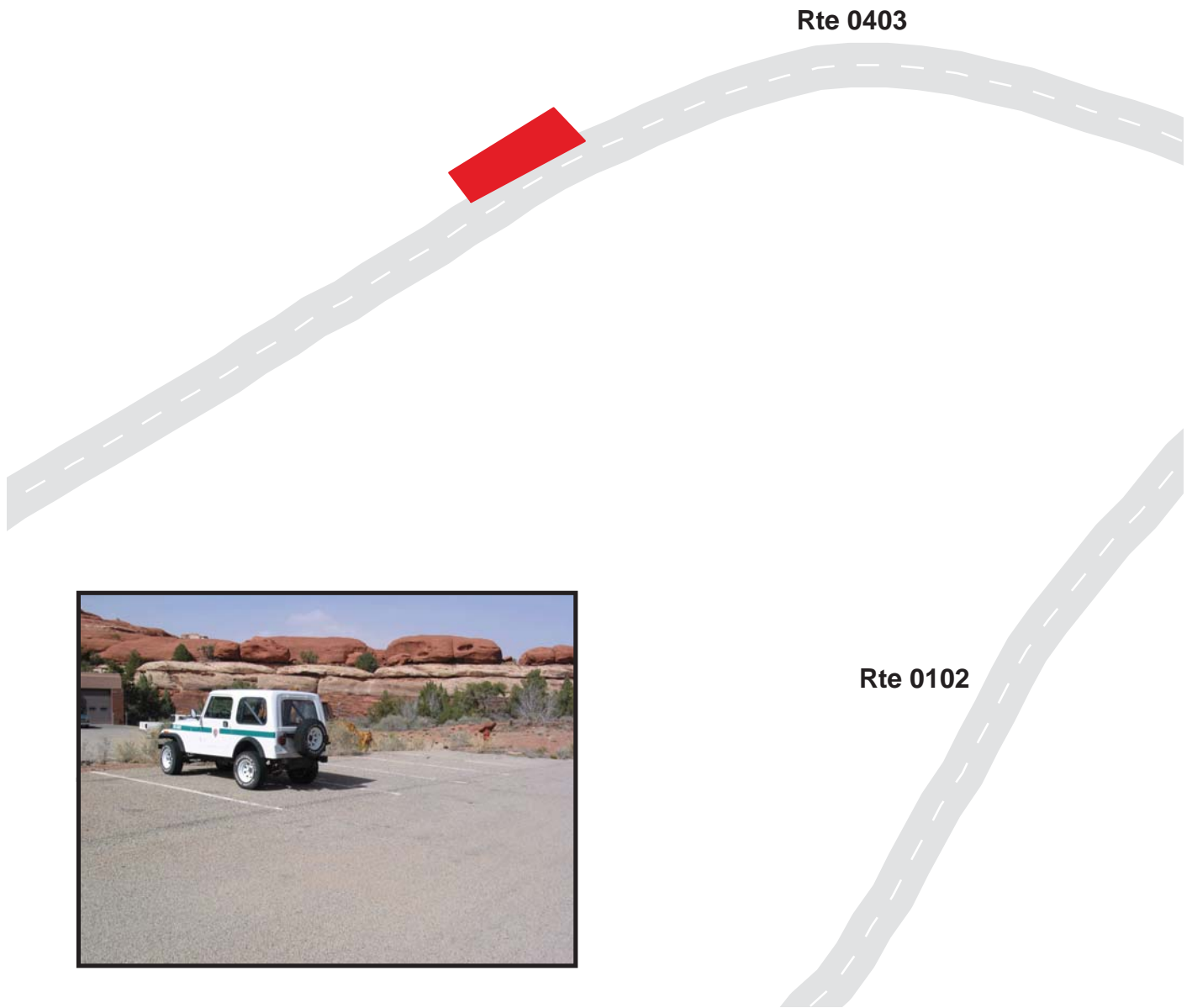
## Route 0916B

Needles Maintenance Yard Complex Area B

Adjacent to Route 0403

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916B	NonPublic	4/2/2003	1072	0.02	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



# Canyonlands National Park

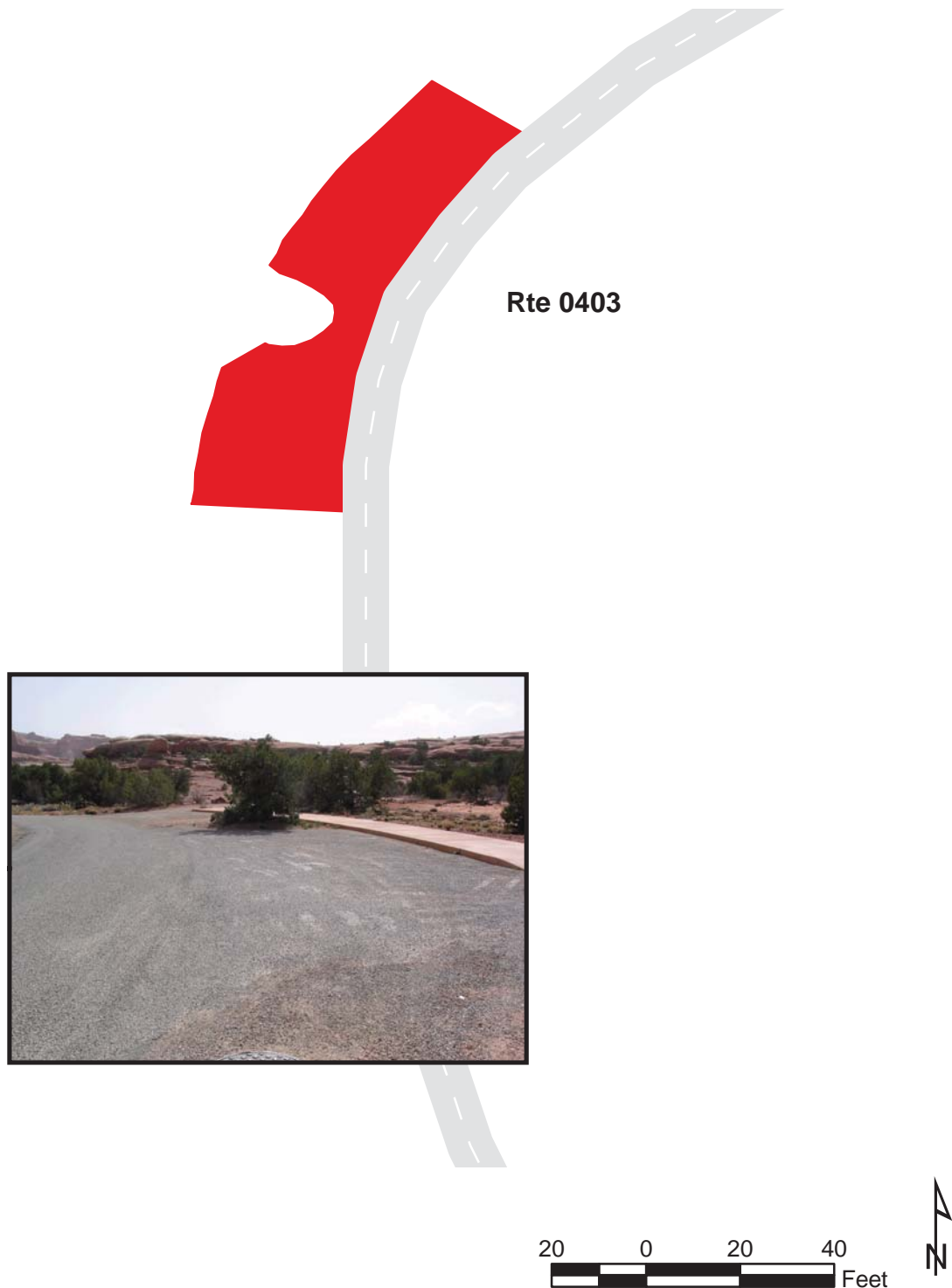
## Route 0916C

Needles Maintenance Yard Complex Area C

Adjacent to Route 0403

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916C	NonPublic	4/2/2003	1765	0.03	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



# Canyonlands National Park

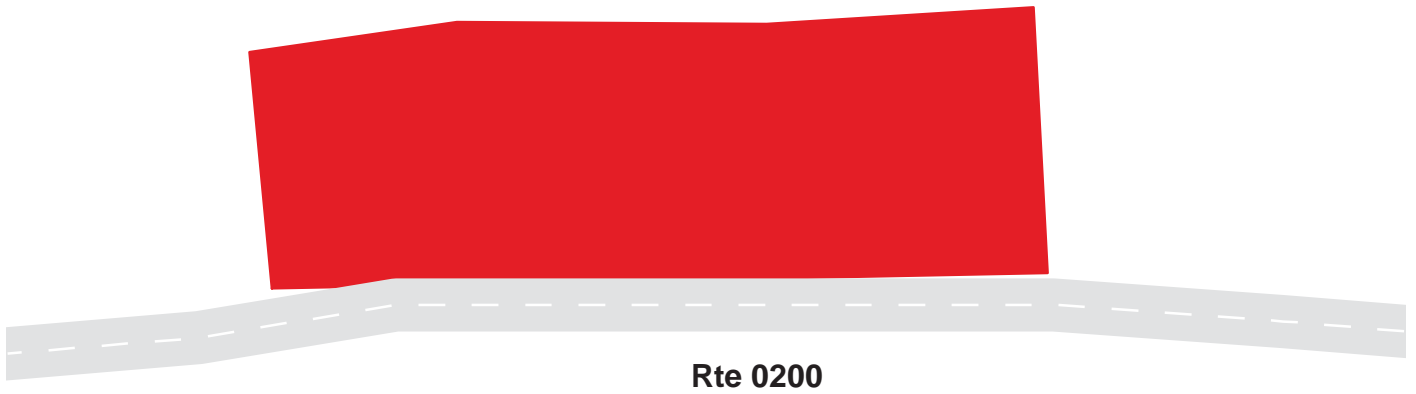
## Route 0918

Squaw Flat Restroom A Parking

Adjacent to Route 0200

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0918	Public	4/2/2003	1062	0.02	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



# Canyonlands National Park

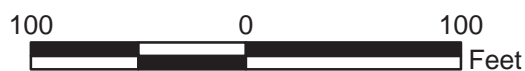
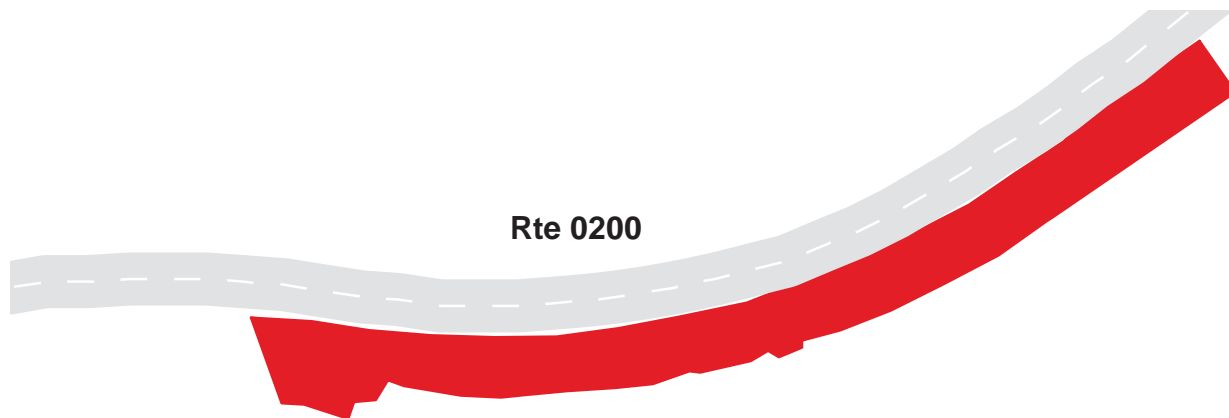
## Route 0919

Squaw Flat Trailhead Parking

Adjacent to Route 0200

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	Public	4/2/2003	10721	0.18	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



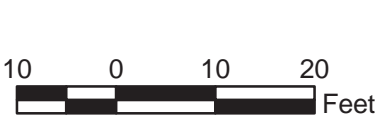
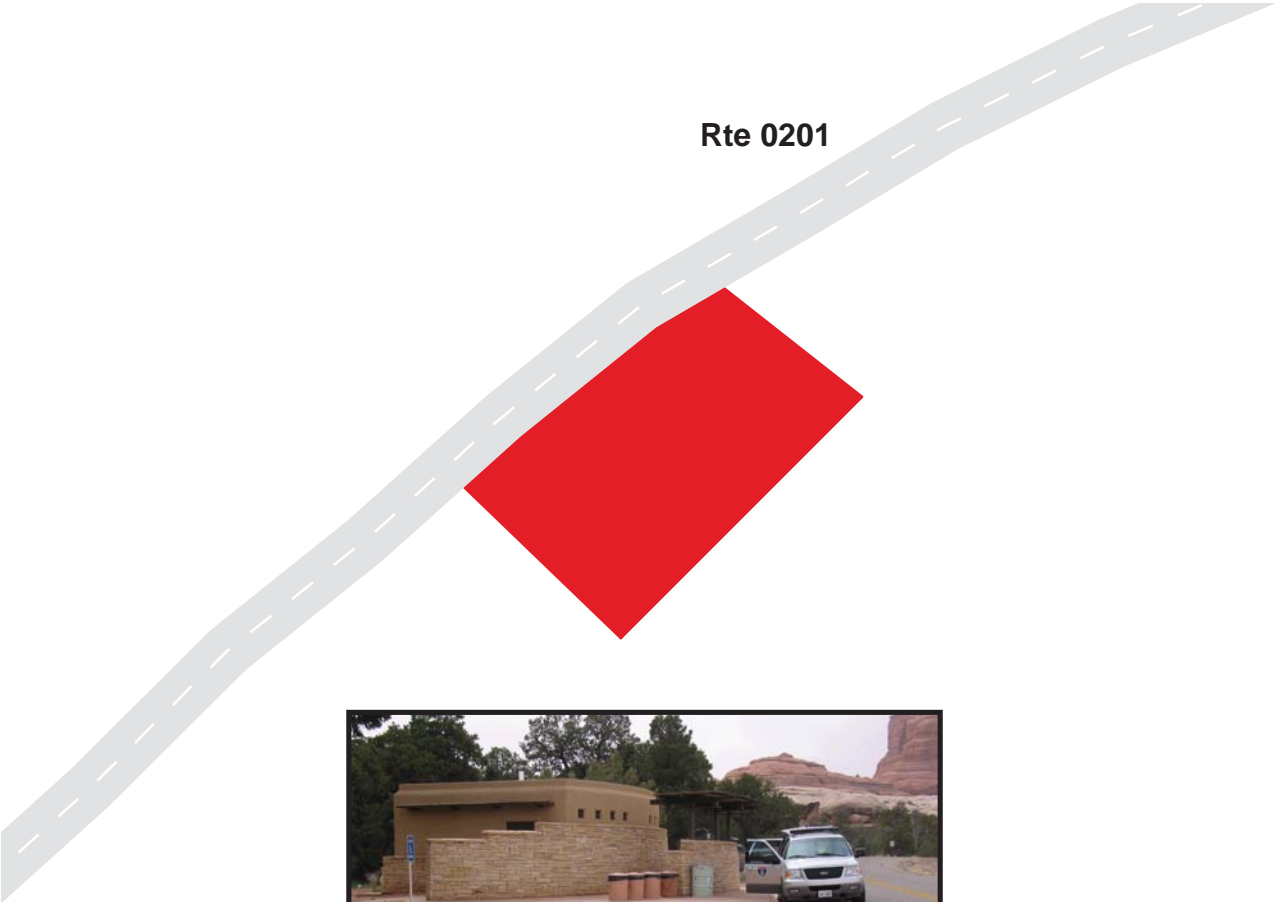
# Canyonlands National Park

## Route 0920

Squaw Flat Restroom B Parking  
Adjacent to Route 0201

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	Public	4/2/2003	561	0.01	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



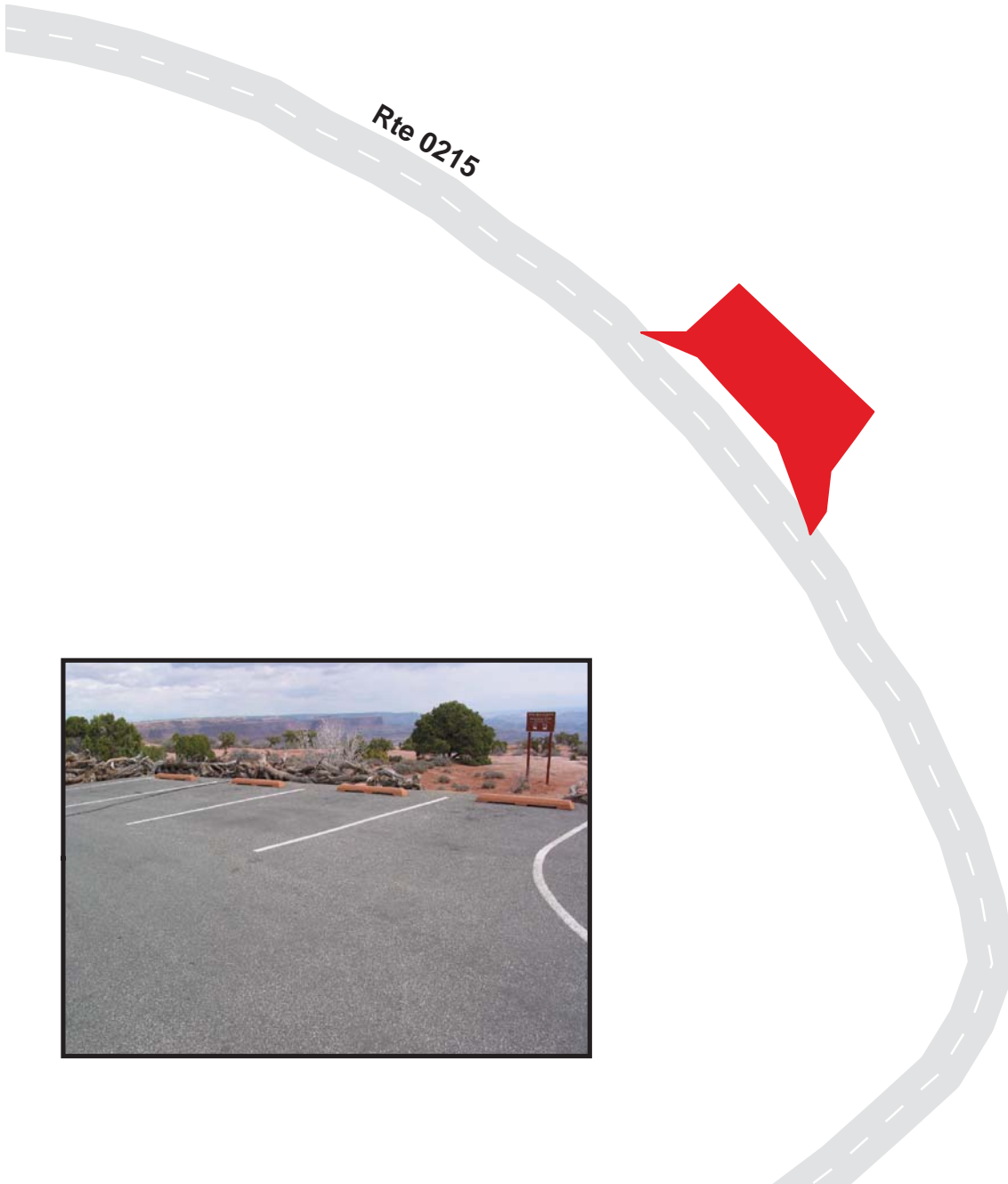
# Canyonlands National Park

## Route 0921

White Rim Overlook Parking  
Adjacent to Route 0215

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	4/3/2003	1058	0.02	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Canyonlands National Park

## Route 0922

Green River Overlook Parking

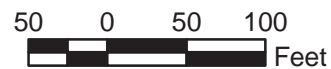
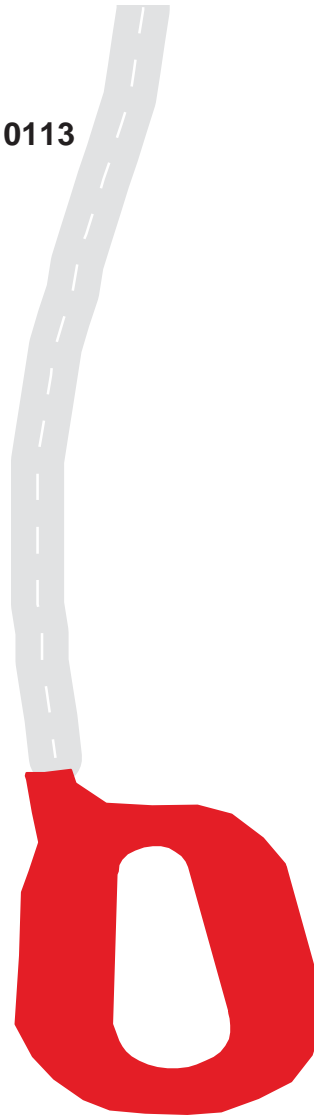
At End of Route 0113

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0922	Public	4/3/2003	19076	0.33	AS	EXCELLENT / 97

\* Lane miles are based on 11' lane widths



Rte 0113





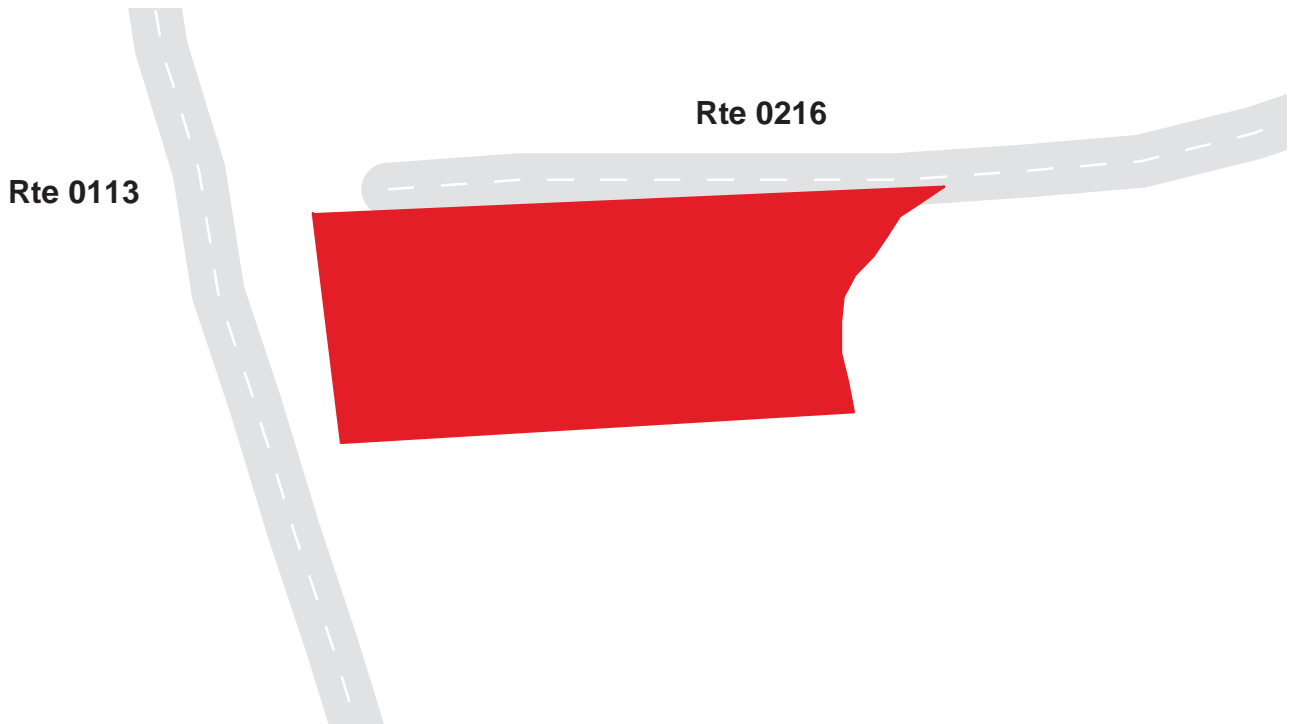
# Canyonlands National Park

## Route 0923

Willow Flat Campground Parking  
Adjacent to Route 0216

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0923	Public	4/3/2003	2072	0.04	AS	EXCELLENT / 97

\* Lane miles are based on 11' lane widths



10 0 10 20  
Feet



## **CANY: Manually Rated Paved Route Condition Rating Sheets**

No data available for this section

# ***CANY: PARKWIDE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>PARK TOTAL</i></b>	<b><i>UNIT</i></b>
BRIDGE	3	EACH
CATTLE GUARD	4	EACH
CULVERT	314	EACH
CURB	40,973	LINEAR FEET
DROP INLET	11	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	8,422	LINEAR FEET
INTERSECTION	145	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	3	EACH
PAVED DITCH	32,963	LINEAR FEET
PULLOUT	27	EACH
RAILROAD CROSSING	0	EACH
RETAINING WALL	0	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

# ***CANY: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0010 NEEDLES ACCESS ROAD</i></b>	<b><i>ROUTE 0011 ISLAND IN THE SKY ROAD</i></b>	<b><i>ROUTE 0102 WOODEN SHOE LOOP</i></b>	<b><i>ROUTE 0113 GREEN RIVER OVERLOOK</i></b>	<b><i>ROUTE 0114 UPHEAVAL DOME ROAD</i></b>	<b><i>ROUTE 0200 SQUAW FLAT CAMPGROUND (LOOP A)</i></b>	<b><i>UNIT</i></b>
BRIDGE	3	0	0	0	0	0	EACH
CATTLE GUARD	4	0	0	0	0	0	EACH
CULVERT	146	93	8	3	55	3	EACH
CURB	15,676	19,705	127	227	4,773	48	LINEAR FEET
DROP INLET	5	6	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	4,377	1,996	0	238	1,811	0	LINEAR FEET
INTERSECTION	43	22	11	5	6	12	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	2	1	0	0	0	0	EACH
PAVED DITCH	32,704	0	0	0	0	259	LINEAR FEET
PULLOUT	12	12	0	0	2	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

# ***CANY: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0201 SQUAW FLAT CAMPGROUND (LOOP B)</i></b>	<b><i>ROUTE 0202 NEEDLES OUTPOST ROAD</i></b>	<b><i>ROUTE 0215 WHITE RIM OVERLOOK PICNIC AREA</i></b>	<b><i>ROUTE 0216 WILLOW FLATS CAMPGROUND</i></b>	<b><i>ROUTE 0221 NEEDLES VISITOR CONTACT STATION ACCESS R</i></b>	<b><i>ROUTE 0228 SQUAW FLAT HOST LOOP</i></b>	<b><i>UNIT</i></b>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	1	3	1	0	0	EACH
CURB	0	0	0	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	0	LINEAR FEET
INTERSECTION	7	2	5	6	4	4	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	1	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

# ***CANY: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0229 SQUAW FLAT CAMPGROUND LOOP</i></b>	<b><i>ROUTE 0401 NEEDLES RESIDENCE ROAD</i></b>	<b><i>ROUTE 0403 NEEDLES MAINTENANCE AREA LOOP</i></b>	<b><i>ROUTE 0406 I-SKY RESIDENCE ROAD</i></b>	<b><i>UNIT</i></b>
BRIDGE	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	EACH
CULVERT	0	0	1	0	EACH
CURB	0	312	106	0	LINEAR FEET
DROP INLET	0	0	0	0	EACH
GUARD WALL	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	LINEAR FEET
INTERSECTION	2	6	8	2	EACH
LOW WATER CROSSING	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	EACH
TUNNEL	0	0	0	0	EACH
TURNOUT	0	0	0	0	LINEAR FEET

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0010 : NEEDLES ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT DUGOUT RANCH CATTLEGUARD
0.001	0.001	CATTLE GUARD	N/A	
0.233	0.233	CULVERT	N/A	
0.417	0.417	INTERSECTION	LEFT	
0.709	0.872	GUARDRAIL	RIGHT	
0.762	0.845	GUARDRAIL	LEFT	
0.910	0.910	INTERSECTION	RIGHT	
1.119	1.119	CULVERT	N/A	
1.223	1.223	INTERSECTION	LEFT	
1.242	1.242	INTERSECTION	RIGHT	
1.272	1.272	CULVERT	N/A	
1.323	1.404	PAVED DITCH	LEFT	
1.336	1.411	PAVED DITCH	RIGHT	
1.402	1.535	CURB	LEFT	
1.460	1.460	CULVERT	N/A	
1.537	1.655	PAVED DITCH	LEFT	
1.544	1.765	PAVED DITCH	RIGHT	
1.660	1.660	INTERSECTION	RIGHT	
1.669	1.669	INTERSECTION	LEFT	
1.818	1.818	CULVERT	N/A	
1.849	1.911	PAVED DITCH	LEFT	
1.849	1.932	PAVED DITCH	RIGHT	
1.941	1.941	CULVERT	N/A	
2.006	2.006	CULVERT	N/A	
2.076	2.076	CULVERT	N/A	
2.083	2.083	INTERSECTION	RIGHT	
2.119	2.155	CURB	RIGHT	

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0010 : NEEDLES ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
2.121	2.156	PULLOUT	RIGHT	
2.181	2.181	CULVERT	N/A	
2.246	2.246	CULVERT	N/A	
2.406	2.406	CULVERT	N/A	
2.509	2.509	CULVERT	N/A	
2.548	2.702	PAVED DITCH	RIGHT	
2.600	2.702	PAVED DITCH	LEFT	
2.697	2.788	CURB	LEFT	
2.701	2.701	CULVERT	N/A	
2.792	2.905	PAVED DITCH	LEFT	
2.794	2.794	INTERSECTION	RIGHT	
2.823	2.925	PAVED DITCH	RIGHT	
2.921	2.921	INTERSECTION	LEFT	
2.953	2.953	CULVERT	N/A	
2.964	3.024	PAVED DITCH	RIGHT	
3.049	3.049	CULVERT	N/A	
3.145	3.145	CULVERT	N/A	
3.171	3.302	PAVED DITCH	RIGHT	
3.204	3.317	PAVED DITCH	LEFT	
3.324	3.324	CULVERT	N/A	
3.339	3.370	PAVED DITCH	RIGHT	
3.413	3.413	CULVERT	N/A	
3.443	3.474	PULLOUT	RIGHT	
3.444	3.470	CURB	RIGHT	
3.517	3.557	PULLOUT	LEFT	
3.519	3.556	CURB	LEFT	
3.608	3.608	CULVERT	N/A	



# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0010 : NEEDLES ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
3.611	3.611	INTERSECTION	LEFT	LAVENDER CANYON ROAD
3.665	3.665	CULVERT	N/A	
3.704	3.704	CULVERT	N/A	
3.724	3.724	CULVERT	N/A	
3.734	3.764	PAVED DITCH	RIGHT	
3.765	3.765	CULVERT	N/A	
3.772	3.882	PAVED DITCH	RIGHT	
3.895	3.997	CURB	LEFT	
3.899	3.999	CURB	RIGHT	
3.917	3.917	CULVERT	N/A	
3.966	3.966	CULVERT	N/A	
4.003	4.003	INTERSECTION	LEFT	
4.039	4.121	PAVED DITCH	RIGHT	
4.049	4.123	PAVED DITCH	LEFT	
4.168	4.168	CULVERT	N/A	
4.177	4.269	PAVED DITCH	RIGHT	
4.301	4.301	CULVERT	N/A	
4.405	4.405	CULVERT	N/A	
4.511	4.511	INTERSECTION	LEFT	
4.533	4.560	PULLOUT	RIGHT	
4.533	4.561	CURB	RIGHT	
4.563	4.632	PAVED DITCH	RIGHT	
4.596	4.596	CULVERT	N/A	
4.746	4.746	CULVERT	N/A	
4.752	4.809	PAVED DITCH	RIGHT	
4.864	4.951	PULLOUT	RIGHT	
4.957	4.984	PAVED DITCH	RIGHT	

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0010 : NEEDLES ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
4.973	4.973	INTERSECTION	LEFT	TO PRIVATE ROAD WITH GATE
5.008	5.008	CULVERT	N/A	
5.097	5.097	CULVERT	N/A	
5.103	5.103	CATTLE GUARD	N/A	
5.165	5.165	CULVERT	N/A	
5.201	5.201	CULVERT	N/A	
5.221	5.221	CULVERT	N/A	
5.269	5.269	CULVERT	N/A	
5.280	5.394	PAVED DITCH	RIGHT	
5.390	5.390	CULVERT	N/A	
5.406	5.406	CULVERT	N/A	
5.471	5.471	CULVERT	N/A	
5.513	5.513	INTERSECTION	RIGHT	
5.522	5.522	CULVERT	N/A	
5.528	5.638	PAVED DITCH	RIGHT	
5.705	5.705	CULVERT	N/A	
5.871	5.871	CULVERT	N/A	
5.875	5.875	INTERSECTION	LEFT	
6.056	6.056	CULVERT	N/A	
6.223	6.223	CULVERT	N/A	
6.396	6.497	PAVED DITCH	LEFT	
6.409	6.522	PAVED DITCH	RIGHT	
6.509	6.610	PAVED DITCH	LEFT	
6.511	6.511	CULVERT	N/A	
6.648	6.648	CULVERT	N/A	
6.767	6.767	CULVERT	N/A	
6.848	6.848	INTERSECTION	LEFT	

# **CANY: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0010 : NEEDLES ACCESS ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
6.852	6.852	CULVERT	N/A	
6.856	6.856	INTERSECTION	RIGHT	
6.914	6.972	CURB	RIGHT	
6.918	6.981	PULLOUT	RIGHT	
7.026	7.079	PULLOUT	LEFT	
7.028	7.078	CURB	LEFT	
7.121	7.204	CURB	RIGHT	
7.124	7.201	CURB	LEFT	
7.205	7.224	BRIDGE	N/A	
7.235	7.349	PAVED DITCH	RIGHT	
7.264	7.264	CATTLE GUARD	N/A	
7.343	7.343	INTERSECTION	LEFT	
7.371	7.371	CULVERT	N/A	
7.490	7.490	CULVERT	N/A	
7.582	7.582	CULVERT	N/A	
7.596	7.596	INTERSECTION	RIGHT	RTE 910: INDIAN CREEK PARKING
7.683	7.683	INTERSECTION	RIGHT	RTE 910: INDIAN CREEK PARKING
7.710	7.710	CULVERT	N/A	
7.817	7.817	CULVERT	N/A	
7.975	7.975	CULVERT	N/A	
8.024	8.146	PAVED DITCH	RIGHT	
8.149	8.149	INTERSECTION	RIGHT	
8.403	8.403	CULVERT	N/A	
8.437	8.437	CULVERT	N/A	
8.507	8.507	CULVERT	N/A	
9.041	9.041	CULVERT	N/A	

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0010 : NEEDLES ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
9.134	9.134	CULVERT	N/A	
9.157	9.157	INTERSECTION	LEFT	
9.288	9.370	PULLOUT	RIGHT	
9.295	9.571	PAVED DITCH	LEFT	
9.308	9.561	PAVED DITCH	RIGHT	
9.605	9.605	CULVERT	N/A	
9.614	9.777	PAVED DITCH	LEFT	
9.956	9.956	CULVERT	N/A	
10.010	10.010	CULVERT	N/A	
10.051	10.051	INTERSECTION	RIGHT	
10.144	10.144	CULVERT	N/A	
10.214	10.214	CULVERT	N/A	
10.331	10.331	INTERSECTION	RIGHT	
10.398	10.398	CULVERT	N/A	
10.555	10.555	CULVERT	N/A	
10.688	10.867	PAVED DITCH	LEFT	
10.718	10.861	PAVED DITCH	RIGHT	
10.893	10.893	CULVERT	N/A	
10.918	11.022	PAVED DITCH	LEFT	
10.933	11.019	PAVED DITCH	RIGHT	
11.021	11.021	CULVERT	N/A	
11.051	11.051	CULVERT	N/A	
11.109	11.175	PAVED DITCH	LEFT	
11.123	11.205	PAVED DITCH	RIGHT	
11.261	11.473	PAVED DITCH	LEFT	
11.292	11.497	PAVED DITCH	RIGHT	
11.487	11.635	CURB	RIGHT	

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0010 : NEEDLES ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
11.526	11.777	CURB	LEFT	
11.622	11.622	CULVERT	N/A	
11.692	11.692	CULVERT	N/A	
11.766	11.766	CULVERT	N/A	
11.777	11.910	PAVED DITCH	LEFT	
11.796	11.922	PAVED DITCH	RIGHT	
12.149	12.149	CULVERT	N/A	
12.222	12.245	PAVED DITCH	LEFT	
12.240	12.240	CULVERT	N/A	
12.247	12.307	PAVED DITCH	RIGHT	
12.301	12.353	CURB	LEFT	
12.302	12.356	PULLOUT	LEFT	
12.332	12.405	CURB	RIGHT	
12.334	12.409	PULLOUT	RIGHT	
12.407	12.644	PAVED DITCH	RIGHT	
12.693	12.693	INTERSECTION	RIGHT	
12.818	12.818	CATTLE GUARD	N/A	
12.821	12.821	PARK BOUNDARY	N/A	
13.313	13.313	CULVERT	N/A	
13.365	13.395	PULLOUT	RIGHT	
13.366	13.389	CURB	RIGHT	
13.487	13.487	CULVERT	N/A	
13.711	13.711	CULVERT	N/A	
13.750	13.990	PAVED DITCH	LEFT	
13.774	14.006	PAVED DITCH	RIGHT	
14.074	14.074	CULVERT	N/A	
14.120	14.218	PAVED DITCH	LEFT	

# **CANY: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0010 : NEEDLES ACCESS ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
14.253	14.292	PAVED DITCH	LEFT	
14.267	14.267	INTERSECTION	RIGHT	RTE 202: NEEDLES OUTPOST ROAD
14.309	14.309	INTERSECTION	LEFT	RTE 404: FIRING RANGE ROAD
14.363	14.485	PAVED DITCH	RIGHT	
14.497	14.497	CULVERT	N/A	
14.697	14.732	CURB	LEFT	
14.702	14.702	CULVERT	N/A	
14.702	14.740	CURB	RIGHT	
14.742	14.742	CULVERT	N/A	
14.756	14.818	GUARDRAIL	LEFT	
14.761	14.818	GUARDRAIL	RIGHT	
14.776	14.794	BRIDGE	N/A	
14.810	14.981	PAVED DITCH	LEFT	
14.821	15.003	PAVED DITCH	RIGHT	
15.047	15.047	CULVERT	N/A	
15.056	15.080	CURB	LEFT	
15.109	15.109	INTERSECTION	RIGHT	
15.400	15.400	INTERSECTION	RIGHT	RTE 221: NEEDLES VISITOR CONTACT STATION ACCESS
15.431	15.431	INTERSECTION	RIGHT	RTE 221: NEEDLES VISITOR CONTACT STATION ACCESS
15.612	15.612	CULVERT	N/A	
15.747	15.787	CURB	LEFT	
15.749	15.788	PULLOUT	LEFT	
16.066	16.066	INTERSECTION	LEFT	RTE 102: WOODEN SHOE LOOP
16.407	16.580	CURB	RIGHT	
16.449	16.449	CULVERT	N/A	

# **CANY: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0010 : NEEDLES ACCESS ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
16.503	16.503	CULVERT	N/A	
16.511	16.511	DROP INLET	RIGHT	
16.581	16.581	CULVERT	N/A	
16.638	16.699	CURB	LEFT	
16.667	16.667	CULVERT	N/A	
16.728	16.785	CURB	LEFT	
16.852	16.852	CULVERT	N/A	
16.954	17.102	CURB	LEFT	
16.975	16.975	CULVERT	N/A	
16.984	16.984	DROP INLET	LEFT	
17.009	17.009	CULVERT	N/A	
17.024	17.024	CULVERT	N/A	
17.054	17.054	DROP INLET	LEFT	
17.126	17.126	CULVERT	N/A	
17.147	17.147	CULVERT	N/A	
17.374	17.374	CULVERT	N/A	
17.467	17.510	CURB	LEFT	
17.474	17.474	INTERSECTION	LEFT	RTE 912 WOODEN SHOE PARKING
17.478	17.496	CURB	LEFT	
17.501	17.501	INTERSECTION	LEFT	RTE 912 WOODEN SHOE PARKING
17.502	17.502	CULVERT	N/A	
17.678	17.740	GUARDRAIL	LEFT	
17.680	17.680	CULVERT	N/A	
17.719	17.719	CULVERT	N/A	
17.807	17.933	CURB	RIGHT	
17.810	17.810	CULVERT	N/A	

# **CANY: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0010 : NEEDLES ACCESS ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
17.847	17.847	DROP INLET	RIGHT	
17.850	17.850	INTERSECTION	LEFT	RTE 102 WOODEN SHOE LOOP
17.852	17.852	CULVERT	N/A	
17.871	17.871	CULVERT	N/A	
18.183	18.183	INTERSECTION	LEFT	RTE 200: SQUAW FLAT CAMPGROUND LOOP A
18.418	18.418	CULVERT	N/A	
18.568	18.568	CULVERT	N/A	
18.678	18.678	CULVERT	N/A	
18.722	18.722	CULVERT	N/A	
18.773	18.773	CULVERT	N/A	
18.802	18.802	CULVERT	N/A	
18.959	18.959	CULVERT	N/A	
19.062	19.062	CULVERT	N/A	
19.142	19.142	CULVERT	N/A	
19.164	19.164	CULVERT	N/A	
19.297	19.297	CULVERT	N/A	
19.347	19.499	GUARDRAIL	RIGHT	
19.374	19.390	CURB	LEFT	
19.441	19.500	GUARDRAIL	LEFT	
19.448	19.483	BRIDGE	N/A	
19.569	19.569	CULVERT	N/A	
19.592	19.592	CULVERT	N/A	
19.620	19.647	CURB	LEFT	
19.641	19.641	CULVERT	N/A	
19.692	19.692	CULVERT	N/A	
19.694	19.718	CURB	RIGHT	
19.731	19.731	CULVERT	N/A	



# **CANY: ROUTE MAINTENANCE FEATURES ROAD LOG**

## **ROUTE 0010 : NEEDLES ACCESS ROAD**

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
19.760	19.798	CURB	RIGHT	
19.761	19.761	CULVERT	N/A	
19.776	19.776	CULVERT	N/A	
19.798	19.798	CULVERT	N/A	
19.883	19.921	CURB	LEFT	
19.888	19.888	INTERSECTION	LEFT	RTE 913: THE PICNIC AREAS (NEEDLES)
19.893	19.915	CURB	LEFT	
19.916	19.916	INTERSECTION	LEFT	RTE 913: THE PICNIC AREA (NEEDLES)
19.918	19.987	CURB	RIGHT	
19.927	19.927	CULVERT	N/A	
19.946	19.946	CULVERT	N/A	
19.961	19.961	CULVERT	N/A	
20.072	20.072	CULVERT	N/A	
20.243	20.243	CULVERT	N/A	
20.262	20.262	CULVERT	N/A	
20.303	20.346	CURB	LEFT	
20.308	20.308	INTERSECTION	LEFT	RTE 914: POTHOLE POINT TRAILHEAD PARKING
20.315	20.332	CURB	LEFT	
20.336	20.336	INTERSECTION	LEFT	RTE 914: POTHOLE POINT TRAILHEAD PARKING
20.403	20.495	CURB	LEFT	
20.437	20.437	CULVERT	N/A	
20.485	20.485	CULVERT	N/A	
20.520	20.598	GUARDRAIL	RIGHT	
20.525	20.629	CURB	RIGHT	
20.550	20.550	CULVERT	N/A	

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0010 : NEEDLES ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
20.589	20.589	CULVERT	N/A	
20.674	20.674	CULVERT	N/A	
20.781	20.894	GUARDRAIL	RIGHT	
20.805	20.866	CURB	LEFT	
20.865	20.865	CULVERT	N/A	
20.921	20.921	CULVERT	N/A	
20.945	20.945	CULVERT	N/A	
20.947	20.990	CURB	RIGHT	
20.950	20.950	DROP INLET	RIGHT	
20.962	20.962	CULVERT	N/A	
20.980	20.980	CULVERT	N/A	
21.081	21.081	CULVERT	N/A	
21.129	21.129	CULVERT	N/A	
21.153	21.153	CULVERT	N/A	
21.181	21.215	CURB	RIGHT	
21.212	21.212	CULVERT	N/A	
21.257	21.257	CULVERT	N/A	
21.260	21.368	CURB	RIGHT	
21.313	21.313	CULVERT	N/A	
21.340	21.340	CULVERT	N/A	
21.384	21.409	CURB	LEFT	
21.387	21.387	CULVERT	N/A	
21.516	21.516	CULVERT	N/A	
21.558	21.558	CULVERT	N/A	
21.578	21.578	CULVERT	N/A	
21.600	21.677	CURB	RIGHT	
21.630	21.630	INTERSECTION	RIGHT	

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0010 : NEEDLES ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
21.737	21.737	INTERSECTION	LEFT	RTE 915
21.741	21.741	INTERSECTION	RIGHT	RTE 915
21.760	21.760			ROUTE ENDS AT RTE 915
21.763	21.763	INTERSECTION	LEFT	TO RTE 915

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0011 : ISLAND IN THE SKY ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT 'THE KNOLL' (INTERSECTION TO DEADHORSE STATE PARK)
0.097	0.097	CULVERT	N/A	
0.167	0.203	PULLOUT	LEFT	
0.168	0.206	PULLOUT	RIGHT	
0.784	0.784	CULVERT	N/A	
1.058	1.058	CULVERT	N/A	
1.149	1.149	INTERSECTION	LEFT	FROM 'THE KNOLL'
1.149	1.149	INTERSECTION	RIGHT	
1.440	1.440	CULVERT	N/A	
1.554	1.554	CULVERT	N/A	
1.729	1.729	INTERSECTION	LEFT	
2.185	2.185	CULVERT	N/A	
2.307	2.307	CULVERT	N/A	
2.515	2.515	CULVERT	N/A	
2.530	2.530	INTERSECTION	RIGHT	
2.690	2.823	CURB	RIGHT	
2.690	2.831	PULLOUT	RIGHT	
2.719	2.852	CURB	LEFT	
3.045	3.045	CULVERT	N/A	
3.348	3.530	PULLOUT	RIGHT	
3.435	3.435	INTERSECTION	LEFT	
3.439	3.523	CURB	RIGHT	
3.648	3.648	INTERSECTION	RIGHT	COUNTY LINE
3.794	3.794	CULVERT	N/A	
4.074	4.074	CULVERT	N/A	
4.087	4.087	INTERSECTION	RIGHT	

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0011 : ISLAND IN THE SKY ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
4.110	4.215	CURB	LEFT	
4.495	4.536	PULLOUT	RIGHT	
4.564	4.564	PARK BOUNDARY	N/A	
4.663	4.663	CULVERT	N/A	
4.757	4.757	CULVERT	N/A	
5.393	5.393	CULVERT	N/A	
5.467	5.467	CULVERT	N/A	
5.627	5.627	INTERSECTION	LEFT	
5.648	5.666	CURB	LEFT	
5.764	5.792	PULLOUT	RIGHT	
5.798	6.012	CURB	RIGHT	
5.821	5.821	INTERSECTION	LEFT	RTE 111: WHITE RIM ROAD
5.885	6.010	CURB	LEFT	
6.015	6.015	CULVERT	N/A	
6.128	6.128	CULVERT	N/A	
6.434	6.434	CULVERT	N/A	
6.661	6.661	CULVERT	N/A	
6.719	6.719	INTERSECTION	RIGHT	RTE 406: SKY RESIDENCE ROAD
6.793	6.793	INTERSECTION	RIGHT	RTE 900: VISITOR CENTER PARKING
6.954	6.954	CULVERT	N/A	
7.022	7.022	CULVERT	N/A	
7.038	7.152	CURB	RIGHT	
7.152	7.152	CULVERT	N/A	
7.152	7.257	CURB	LEFT	
7.188	7.188	CULVERT	N/A	
7.265	7.265	INTERSECTION	LEFT	RTE 902: NECK SPRINGS TRAILHEAD PARKING

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0011 : ISLAND IN THE SKY ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
7.405	7.449	PULLOUT	LEFT	
7.471	7.499	GUARDRAIL	LEFT	
7.472	7.513	GUARDRAIL	RIGHT	
7.499	7.514	CURB	LEFT	
7.500	7.500	DROP INLET	LEFT	
7.589	7.626	CURB	LEFT	
7.619	7.662	GUARDRAIL	LEFT	
7.622	7.739	GUARDRAIL	RIGHT	
7.637	7.637	CULVERT	N/A	
7.641	7.699	CURB	RIGHT	
7.646	7.689	PULLOUT	LEFT	
7.826	7.898	CURB	RIGHT	
7.835	7.984	GUARDRAIL	RIGHT	
7.922	7.922	CULVERT	N/A	
8.050	8.085	PULLOUT	RIGHT	
8.079	8.098	CURB	LEFT	
8.103	8.103	CULVERT	N/A	
8.443	8.527	CURB	RIGHT	
8.536	8.596	CURB	RIGHT	
8.642	8.672	PULLOUT	LEFT	
8.782	8.836	PULLOUT	LEFT	
9.007	9.007	CULVERT	N/A	
9.043	9.043	CULVERT	N/A	
9.181	9.181	CULVERT	N/A	
9.633	9.633	CULVERT	N/A	
9.728	9.728	CULVERT	N/A	
9.870	9.870	CULVERT	N/A	

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0011 : ISLAND IN THE SKY ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
9.877	10.039	CURB	RIGHT	
10.121	10.233	CURB	LEFT	
10.595	10.595	CULVERT	N/A	
11.183	11.183	CULVERT	N/A	
11.504	11.504	CULVERT	N/A	
11.645	11.645	CULVERT	N/A	
11.664	11.664	CULVERT	N/A	
11.750	11.750	CULVERT	N/A	
11.802	11.853	CURB	LEFT	
11.822	11.822	CULVERT	N/A	
11.882	11.914	CURB	RIGHT	
11.898	11.898	CULVERT	N/A	
11.900	11.900	DROP INLET	RIGHT	
11.976	12.038	CURB	RIGHT	
12.108	12.231	CURB	RIGHT	
12.154	12.154	CULVERT	N/A	
12.564	12.564	CULVERT	N/A	
12.634	12.634	CULVERT	N/A	
12.670	12.670	CULVERT	N/A	
12.714	12.762	CURB	RIGHT	
12.725	12.725	CULVERT	N/A	
12.820	12.820	INTERSECTION	LEFT	RTE 903: MESA ARCH PARKING
12.897	12.897	INTERSECTION	LEFT	RTE 903: MESA ARCH PARKING
12.953	13.116	CURB	LEFT	
13.085	13.085	INTERSECTION	RIGHT	RTE 114: UPHEAVAL DOME ROAD
13.119	13.138	CURB	LEFT	

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0011 : ISLAND IN THE SKY ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
13.142	13.142	DROP INLET	RIGHT	
13.206	13.267	CURB	RIGHT	
13.220	13.220	CULVERT	N/A	
13.229	13.229	DROP INLET	RIGHT	
13.241	13.291	CURB	LEFT	
13.351	13.351	CULVERT	N/A	
13.353	13.353	DROP INLET	RIGHT	
13.355	13.383	CURB	RIGHT	
13.400	13.498	CURB	LEFT	
13.473	13.473	CULVERT	N/A	
13.528	13.528	CULVERT	N/A	
13.639	13.639	CULVERT	N/A	
13.752	13.752	CULVERT	N/A	
13.880	13.880	CULVERT	N/A	
13.927	13.927	CULVERT	N/A	
14.015	14.060	PULLOUT	RIGHT	
14.074	14.074	CULVERT	N/A	
14.153	14.153	CULVERT	N/A	
14.197	14.197	CULVERT	N/A	
14.291	14.291	CULVERT	N/A	
14.567	14.765	CURB	RIGHT	
14.766	14.766	DROP INLET	RIGHT	
14.939	14.988	CURB	LEFT	
14.947	14.947	CULVERT	N/A	
15.002	15.002	CULVERT	N/A	
15.004	15.082	CURB	RIGHT	
15.082	15.082	CULVERT	N/A	



# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0011 : ISLAND IN THE SKY ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
15.096	15.096	CULVERT	N/A	
15.104	15.150	CURB	RIGHT	
15.150	15.150	CULVERT	N/A	
15.193	15.193	CULVERT	N/A	
15.205	15.205	CULVERT	N/A	
15.231	15.231	CULVERT	N/A	
15.255	15.255	CULVERT	N/A	
15.275	15.275	CULVERT	N/A	
15.326	15.326	CULVERT	N/A	
15.387	15.387	CULVERT	N/A	
15.413	15.413	CULVERT	N/A	
15.522	15.522	INTERSECTION	RIGHT	MURPHEY TRAILHEAD
15.531	15.531	CULVERT	N/A	
15.715	15.715	CULVERT	N/A	
15.721	15.951	CURB	LEFT	
15.726	15.948	CURB	RIGHT	
15.949	15.949	CULVERT	N/A	
15.963	16.132	CURB	LEFT	
16.048	16.114	CURB	RIGHT	
16.169	16.169	CULVERT	N/A	
16.206	16.206	INTERSECTION	LEFT	RTE 904: BUCK CANYON OVERLOOK PARKING
16.292	16.292	CULVERT	N/A	
16.363	16.363	CULVERT	N/A	
16.418	16.418	CULVERT	N/A	
16.429	16.429	CULVERT	N/A	
16.589	16.589	CULVERT	N/A	
16.658	16.658	CULVERT	N/A	

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0011 : ISLAND IN THE SKY ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
16.711	16.711	CULVERT	N/A	
16.742	16.742	CULVERT	N/A	
17.081	17.081	CULVERT	N/A	
17.300	17.300	CULVERT	N/A	
17.758	17.758	CULVERT	N/A	
17.758	17.903	CURB	RIGHT	
17.760	17.904	CURB	LEFT	
17.946	17.946	INTERSECTION	LEFT	TE 215: WHITE RIM OVERLOOK RD
18.083	18.083	INTERSECTION	LEFT	RTE 215: WHITE RIM OVERLOOK RD
18.124	18.124	CULVERT	N/A	
18.146	18.146	CULVERT	N/A	
18.292	18.292	CULVERT	N/A	
18.402	18.402	CULVERT	N/A	
18.449	18.449	CULVERT	N/A	
18.546	18.546	CULVERT	N/A	
18.617	18.617	CULVERT	N/A	
18.631	18.631	CULVERT	N/A	
18.730	18.730	INTERSECTION	RIGHT	RTE 905: ORANGE CLIFFS OVERLOOK PARKING
18.776	18.776	INTERSECTION	RIGHT	RTE 905: ORANGE CLIFFS OVERLOOK PARKING
18.816	18.816	INTERSECTION	RIGHT	END OF RTE 011 AT RTE 906: GRANDVIEW POINT PARK
18.820	18.820			ROUTE ENDS AT RTE 906

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0102 : WOODEN SHOE LOOP***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 010 WEST
0.010	0.010	INTERSECTION	LEFT	RTE 010 EAST
0.011	0.011	INTERSECTION	RIGHT	RTE 010 EAST
0.047	0.060	CURB	LEFT	
0.115	0.126	CURB	RIGHT	
0.174	0.174	INTERSECTION	LEFT	RTE 211 : WOODEN SHOE ROAD
0.189	0.189	CULVERT	N/A	
0.374	0.374	CULVERT	N/A	
0.541	0.541	CULVERT	N/A	
0.593	0.593	INTERSECTION	RIGHT	
0.769	0.769	INTERSECTION	LEFT	RTE 403 : NEEDLES MAINTENANCE AREA LOOP
0.828	0.828	CULVERT	N/A	
0.923	0.923	INTERSECTION	LEFT	RTE 403 : NEEDLES MAINTENANCE AREA LOOP
0.947	0.947	CULVERT	N/A	
1.032	1.032	INTERSECTION	LEFT	RTE 402 : GENERATOR BUILDING ROAD
1.106	1.106	CULVERT	N/A	
1.267	1.267	INTERSECTION	RIGHT	RTE 100 : CAVE SPRING ROAD
1.281	1.281	CULVERT	N/A	
1.542	1.542	CULVERT	N/A	
1.704	1.704	INTERSECTION	RIGHT	RTE 401 : NEEDLES RESIDENCE ROAD
1.936	1.936	INTERSECTION	LEFT	RTE 010 WEST
1.937	1.937	INTERSECTION	RIGHT	RTE 010 WEST
1.940	1.940			ROUTE ENDS AT RTE 010 EAST

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0113 : GREEN RIVER OVERLOOK***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 114
0.001	0.001	INTERSECTION	RIGHT	FROM RTE 114
0.533	0.533	CULVERT	N/A	
0.776	0.776	INTERSECTION	RIGHT	
1.040	1.040	INTERSECTION	LEFT	
1.114	1.114	CULVERT	N/A	
1.164	1.164	INTERSECTION	LEFT	
1.207	1.252	GUARDRAIL	LEFT	
1.208	1.251	CURB	RIGHT	
1.251	1.251	CULVERT	N/A	
1.350	1.350	INTERSECTION	LEFT	-O OVERLOOK
1.360	1.360			ROUTE ENDS AT OVERLOOK

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0114 : UPHEAVAL DOME ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 011
0.010	0.010	INTERSECTION	RIGHT	RTE 011
0.011	0.011	INTERSECTION	LEFT	RTE 011
0.020	0.020	CULVERT	N/A	
0.264	0.264	INTERSECTION	LEFT	RTE 113 GREEN RIVER OVERLOOK
0.361	0.361	CULVERT	N/A	
0.557	0.557	CULVERT	N/A	
0.781	0.781	CULVERT	N/A	
0.834	0.834	INTERSECTION	RIGHT	RTE 907: AZTEC BUTTE TRAILHEAD PARKING
0.887	0.887	INTERSECTION	RIGHT	RTE 907: AZTEC BUTTE TRAILHEAD PARKING
0.904	0.904	CULVERT	N/A	
0.904	1.064	CURB	LEFT	
1.135	1.217	CURB	RIGHT	
1.189	1.199	CURB	LEFT	
1.222	1.222	CULVERT	N/A	
1.246	1.409	CURB	LEFT	
1.418	1.418	CULVERT	N/A	
1.501	1.501	CULVERT	N/A	
1.521	1.521	CULVERT	N/A	
1.538	1.538	CULVERT	N/A	
1.608	1.608	CULVERT	N/A	
1.739	1.739	CULVERT	N/A	
1.777	1.777	CULVERT	N/A	
1.813	1.813	CULVERT	N/A	
1.876	1.876	CULVERT	N/A	
1.977	1.977	CULVERT	N/A	

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0114 : UPHEAVAL DOME ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
2.028	2.028	CULVERT	N/A	
2.050	2.102	PULLOUT	LEFT	
2.115	2.115	CULVERT	N/A	
2.143	2.143	CULVERT	N/A	
2.188	2.188	CULVERT	N/A	
2.222	2.222	CULVERT	N/A	
2.235	2.273	GUARDRAIL	LEFT	
2.253	2.253	CULVERT	N/A	
2.295	2.295	CULVERT	N/A	
2.324	2.449	GUARDRAIL	LEFT	
2.335	2.335	CULVERT	N/A	
2.364	2.364	CULVERT	N/A	
2.397	2.397	CULVERT	N/A	
2.458	2.458	CULVERT	N/A	
2.545	2.545	CULVERT	N/A	
2.593	2.593	CULVERT	N/A	
2.618	2.676	GUARDRAIL	LEFT	
2.662	2.701	CURB	LEFT	
2.666	2.666	CULVERT	N/A	
2.698	2.698	CULVERT	N/A	
2.785	2.785	CULVERT	N/A	
2.827	2.827	CULVERT	N/A	
2.912	2.912	CULVERT	N/A	
2.950	2.978	GUARDRAIL	LEFT	
2.955	3.003	GUARDRAIL	RIGHT	
2.989	2.989	CULVERT	N/A	
3.048	3.111	CURB	RIGHT	

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0114 : UPHEAVAL DOME ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
3.110	3.110	CULVERT	N/A	
3.128	3.128	CULVERT	N/A	
3.229	3.381	CURB	RIGHT	
3.232	3.232	CULVERT	N/A	
3.232	3.321	CURB	LEFT	
3.334	3.400	CURB	LEFT	
3.381	3.381	CULVERT	N/A	
3.418	3.418	CULVERT	N/A	
3.440	3.440	CULVERT	N/A	
3.482	3.482	CULVERT	N/A	
3.594	3.647	PULLOUT	RIGHT	
3.721	3.767	GUARDRAIL	LEFT	
3.738	3.738	CULVERT	N/A	
3.841	3.841	CULVERT	N/A	
3.889	3.889	CULVERT	N/A	
4.037	4.037	CULVERT	N/A	
4.074	4.074	CULVERT	N/A	
4.153	4.153	CULVERT	N/A	
4.383	4.383	CULVERT	N/A	
4.469	4.469	CULVERT	N/A	
4.512	4.512	CULVERT	N/A	
4.554	4.554	CULVERT	N/A	
4.661	4.741	CURB	LEFT	
4.691	4.691	CULVERT	N/A	
4.731	4.731	CULVERT	N/A	
4.747	4.747	CULVERT	N/A	
4.770	4.770			ROUTE ENDS AT RTE 909

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

***ROUTE 0114 : UPHEAVAL DOME ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
4.780	4.780	INTERSECTION	LEFT	TO RTE 909



# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0200 : SQUAW FLAT CAMPGROUND (LOOP A)***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 010
0.002	0.002	INTERSECTION	LEFT	FROM RTE 010
0.009	0.009	INTERSECTION	RIGHT	FROM RTE 010
0.269	0.269	INTERSECTION	RIGHT	RTE 201: SQUAW FLAT CAMPGROUND RD (LOOP B)
0.339	0.339	INTERSECTION	RIGHT	
0.366	0.366	CULVERT	N/A	
0.367	0.416	PAVED DITCH	RIGHT	
0.478	0.478	CULVERT	N/A	
0.566	0.566	INTERSECTION	RIGHT	
0.581	0.581	INTERSECTION	RIGHT	
0.607	0.607	CULVERT	N/A	
0.774	0.783	CURB	RIGHT	
0.776	0.776	INTERSECTION	RIGHT	RTE 918: SQUAW FLAT RESTROOM PARKING
0.789	0.789	INTERSECTION	RIGHT	RTE 228
0.821	0.821	INTERSECTION	RIGHT	RTE 228
0.928	0.928	INTERSECTION	LEFT	RTE 919: SQUAW FLAT TRAILHEAD A PARKING
1.028	1.028	INTERSECTION	LEFT	RTE 200
1.130	1.130			ROUTE ENDS AT THROUGH CAMPGROUND
1.139	1.139	INTERSECTION	LEFT	END OF LOOP

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0201 : SQUAW FLAT CAMPGROUND (LOOP B)***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 200
0.005	0.005	INTERSECTION	LEFT	RTE 200
0.005	0.005	INTERSECTION	RIGHT	RTE 200
0.251	0.251	INTERSECTION	RIGHT	RTE 106: ELEPHANT HILL ACCESS RD
0.364	0.364	INTERSECTION	RIGHT	RTE 229: SQUAW FLAT CAMPGROUND RD (LOOP B)
0.429	0.429	INTERSECTION	LEFT	RTE 920
0.484	0.484	INTERSECTION	LEFT	RTE 201
0.489	0.489	INTERSECTION	RIGHT	END OF LOOP
0.520	0.520			ROUTE ENDS AT THROUGH CAMPGROUND

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0202 : NEEDLES OUTPOST ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 010
0.001	0.001	INTERSECTION	RIGHT	FROM RTE 010
0.003	0.003	INTERSECTION	LEFT	FROM RTE 010
0.019	0.019	CULVERT	N/A	
0.360	0.360			ROUTE ENDS AT NORTH PARK BOUNDARY (CATTLEGUARD)

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0215 : WHITE RIM OVERLOOK PICNIC AREA***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 011 SOUTH
0.003	0.003	INTERSECTION	LEFT	FROM RTE 011 SOUTH
0.073	0.089	PULLOUT	LEFT	
0.129	0.129	CULVERT	N/A	
0.138	0.138	INTERSECTION	RIGHT	RTE 921
0.177	0.177	CULVERT	N/A	
0.208	0.208	INTERSECTION	LEFT	
0.251	0.251	CULVERT	N/A	
0.273	0.273	INTERSECTION	RIGHT	RTE 011
0.275	0.275	INTERSECTION	LEFT	TO RTE 011 NORTH
0.280	0.280			ROUTE ENDS AT RTE 011 NORTH

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0216 : WILLOW FLATS CAMPGROUND***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 113 NORTH
0.005	0.005	INTERSECTION	LEFT	RTE 113
0.014	0.014	INTERSECTION	RIGHT	RTE 923
0.031	0.031	CULVERT	N/A	
0.036	0.036	INTERSECTION	RIGHT	
0.056	0.056	INTERSECTION	RIGHT	
0.202	0.202	INTERSECTION	RIGHT	RTE 113
0.208	0.208	INTERSECTION	LEFT	TO RTE 113 SOUTH
0.210	0.210			ROUTE ENDS AT RTE 113 SOUTH

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0221 : NEEDLES VISITOR CONTACT STATION ACCESS R***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 010
0.012	0.012	INTERSECTION	RIGHT	RTE 010
0.034	0.034	INTERSECTION	RIGHT	
0.078	0.078	INTERSECTION	RIGHT	RTE 911: NEEDLES VISITOR CENTER PARKING
0.140	0.140			ROUTE ENDS AT END OF PAVEMENT/BEGIN RTE 105
0.149	0.149	INTERSECTION	RIGHT	RTE 911: NEEDLES VISITOR CENTER PARKING, END R

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

***ROUTE 0228 : SQUAW FLAT HOST LOOP***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 200
0.005	0.005	INTERSECTION	LEFT	RTE 200
0.036	0.036	INTERSECTION	RIGHT	
0.060	0.060			ROUTE ENDS AT RTE 200
0.062	0.062	INTERSECTION	LEFT	ADJACENT TO RTE 200
0.069	0.069	INTERSECTION	RIGHT	ADJACENT TO RTE 200

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0229 : SQUAW FLAT CAMPGROUND LOOP***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 201
0.033	0.033	INTERSECTION	LEFT	FROM RTE 201
0.080	0.080			ROUTE ENDS AT END OF LOOP
0.086	0.086	INTERSECTION	RIGHT	TO END OF LOOP



# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0401 : NEEDLES RESIDENCE ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 102
0.005	0.005	INTERSECTION	LEFT	FROM RTE 102
0.197	0.256	CURB	LEFT	
0.312	0.312	INTERSECTION	LEFT	
0.359	0.359	INTERSECTION	LEFT	
0.437	0.437	INTERSECTION	LEFT	
0.552	0.552	INTERSECTION	LEFT	
0.560	0.560			ROUTE ENDS AT END AT HAMMERHEAD TURNAROUND
0.573	0.573	INTERSECTION	RIGHT	TO END AT HAMMERHEAD TURNAROUND

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0403 : NEEDLES MAINTENANCE AREA LOOP***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 102 EAST
0.005	0.005	CULVERT	N/A	
0.007	0.007	INTERSECTION	LEFT	RTE 102
0.008	0.008	INTERSECTION	RIGHT	RTE 102
0.038	0.038	INTERSECTION	RIGHT	RTE 916
0.071	0.071	INTERSECTION	RIGHT	RTE 916
0.088	0.088	INTERSECTION	RIGHT	RTE 916
0.095	0.099	CURB	LEFT	
0.143	0.159	CURB	RIGHT	
0.148	0.148	INTERSECTION	RIGHT	RTE 916
0.220	0.220			ROUTE ENDS AT RTE 102 WEST
0.224	0.224	INTERSECTION	RIGHT	RTE 102
0.226	0.226	INTERSECTION	LEFT	TO RTE 102 WEST

# ***CANY: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0406 : I-SKY RESIDENCE ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT RTE 011
0.005	0.005	INTERSECTION	RIGHT	RTE 011
0.084	0.084	INTERSECTION	LEFT	RTE 901: ISLAND IN THE SKY VISITOR CENTER PARKING
0.110	0.110			ROUTE ENDS AT END OF LOOP

## APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
1340	Numeric Code for Canyonlands National Park
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
CANY	Alpha Code for Canyonlands National Park
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

# cany\_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:* cany\_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:* -109.913750

*East\_Bounding\_Coordinate:* -109.556122

*North\_Bounding\_Coordinate:* 38.552670

*South\_Bounding\_Coordinate:* 38.069157

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* CANY

*Theme\_Keyword:* CANY

*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 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 8.3.0.800

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for mile points

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*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:* 62

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*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

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* cany\_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

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*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.030

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050407

*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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# cany\_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:* cany\_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:* -109.924957

*East\_Bounding\_Coordinate:* -109.556122

*North\_Bounding\_Coordinate:* 38.552670

*South\_Bounding\_Coordinate:* 38.069157

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* CANY

*Theme\_Keyword:* CANY

*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 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog  
8.3.0.800

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for routes

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*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:* 51

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*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

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* cany\_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:* LENGTH

*Attribute\_Definition:* Length of feature

*Attribute\_Definition\_Source:* ESRI

*Attribute:*

*Attribute\_Label:* ID

*Attribute:*

*Attribute\_Label:* RTE\_NO

*Attribute\_Definition:* Route number

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* RT\_LENGTH

*Attribute\_Definition:* Collected route length

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* PCRMI

*Attribute\_Definition:* Numeric PCR definition

*Attribute\_Domain\_Values:*

*Range\_Domain:*

*Range\_Domain\_Minimum:* 0

*Range\_Domain\_Maximum:* 100

*Attribute:*

*Attribute\_Label:* PCR\_RATEMI

*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:* TSR\_EDIT

*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.

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*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.016

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050407

*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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# cany\_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:* cany\_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:* 04/26/2003

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -109.926131

*East\_Bounding\_Coordinate:* -109.630448

*North\_Bounding\_Coordinate:* 38.460804

*South\_Bounding\_Coordinate:* 38.143429

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* CANY

*Theme\_Keyword:* CANY

*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 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 8.3.0.800

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for parking areas

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*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

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*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

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* cany\_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

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*Distribution\_Information:**Resource\_Description:* Downloadable Data*Standard\_Order\_Process:**Digital\_Form:**Digital\_Transfer\_Information:**Transfer\_Size:* 0.018

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*Metadata\_Reference\_Information:**Metadata\_Date:* 20050407*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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# cany\_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:* cany\_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:* 04/26/2003

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -109.926131

*East\_Bounding\_Coordinate:* -109.630448

*North\_Bounding\_Coordinate:* 38.460804

*South\_Bounding\_Coordinate:* 38.143429

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* CANY

*Theme\_Keyword:* CANY

*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 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog  
8.3.0.800

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*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:* cany\_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

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*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.018

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050407

*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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# cany\_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:* cany\_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:* -109.924957

*East\_Bounding\_Coordinate:* -109.556122

*North\_Bounding\_Coordinate:* 38.552670

*South\_Bounding\_Coordinate:* 38.069157

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* CANY

*Theme\_Keyword:* CANY

*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 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog  
8.3.0.800

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for routes

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*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:* 225

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*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

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* cany\_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:* LENGTH

*Attribute\_Definition:* Length of feature

*Attribute\_Definition\_Source:* ESRI

*Attribute:*

*Attribute\_Label:* ID

*Attribute:*

*Attribute\_Label:* RTE\_NO

*Attribute\_Definition:* Route number

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* RT\_LENGTH

*Attribute\_Definition:* Collected route length

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* PCR\_RATEAV

*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:* PCRAV

*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:* TSR\_EDIT  
*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.

*Distribution\_Information:*

*Resource\_Description:* Downloadable Data  
*Standard\_Order\_Process:*  
*Digital\_Form:*  
*Digital\_Transfer\_Information:*  
*Transfer\_Size:* 0.016

*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050407  
*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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