The Road Inventory
of
Kings Canyon National Park
KICA - 8580

national park service

Road Inventory Program

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

Kings Canyon National Park
in
California

TABLE OF CONTENTS

INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

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Kings Canyon National Park Summaries

Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
Paved ARAN Driven Route Miles	31.80	5/27/2003
Unpaved Estimated Route Miles	8.75	5/27/2003
Paved ARAN and Unpaved Route Miles	40.55	
Paved ARAN Driven Lane Miles	60.70	5/27/2003
Paved MRR Lane Miles	22.59	5/27/2003
Parking Lot Lane Miles	10.32	5/27/2003
Total Paved Lane Miles	93.61	

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)

Kings Canyon 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	3.86	$115,800
Good	5.83	$641,300
Fair	11.31	$6,333,600
Poor	10.80	$16,632,000
Totals	**31.80**	**$23,722,700**

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).

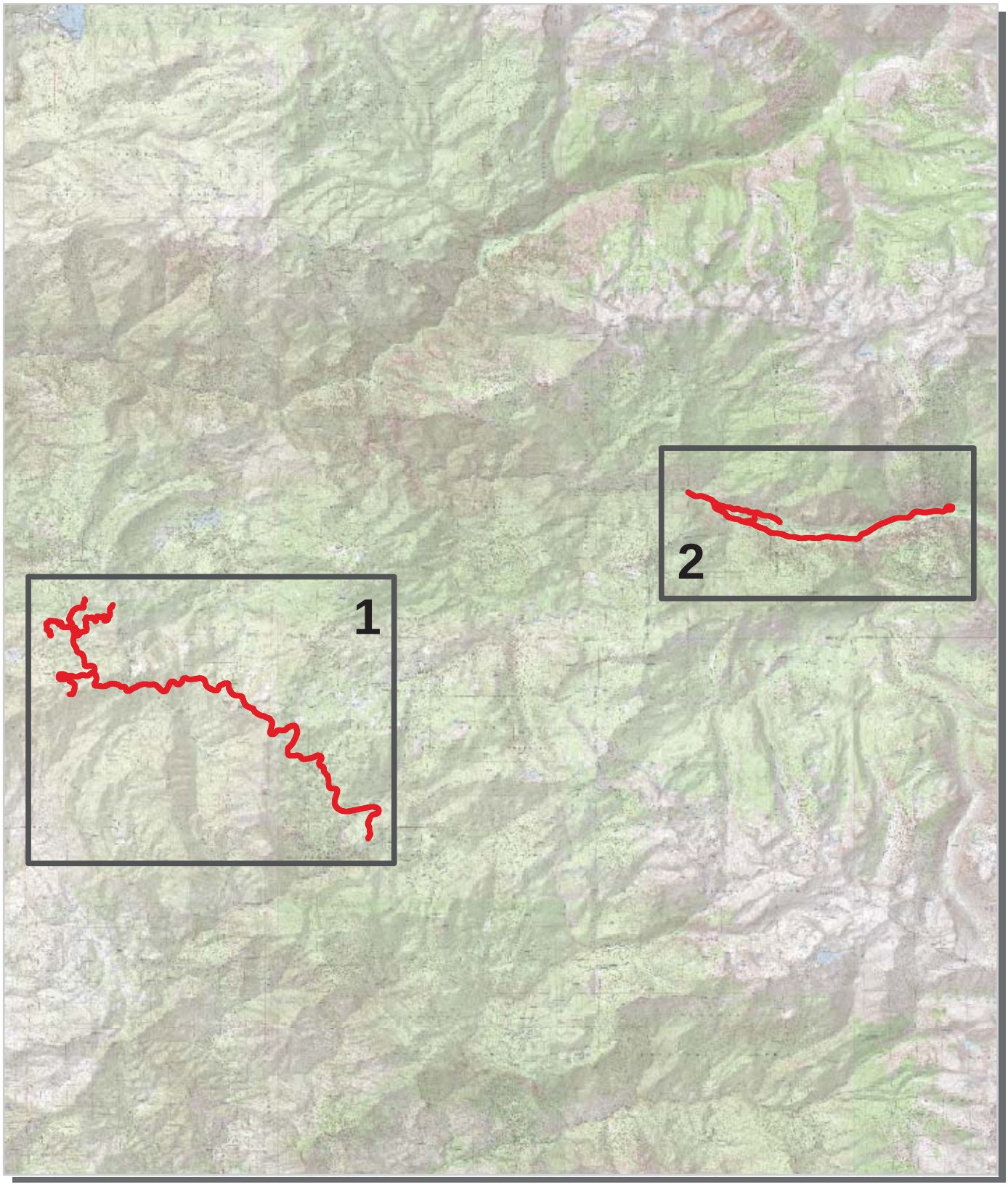
These numbers are for preliminary planning purposes only and should not be used for project level proposals. For park planning level analysis, apply your park multiplier for more accurate regional costs.

Kings Canyon 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	6.13	19.28%	9.87	31.04%	5.52	17.36%	3.80	11.95%	25.32
2	1.80	5.66%	0.40	1.26%	0.12	0.38%			2.32
3	1.54	4.84%	0.82	2.58%	0.19	0.60%	0.06	0.19%	2.61
4									
5	0.53	1.67%	0.20	0.63%					0.73
6	0.80	2.52%	0.02	0.06%					0.82
7									
8									
Totals	**10.80**	**33.96%**	**11.31**	**35.57%**	**5.83**	**18.33%**	**3.86**	**12.14%**	**31.80**

Kings Canyon National Park
Route Location
Key Map



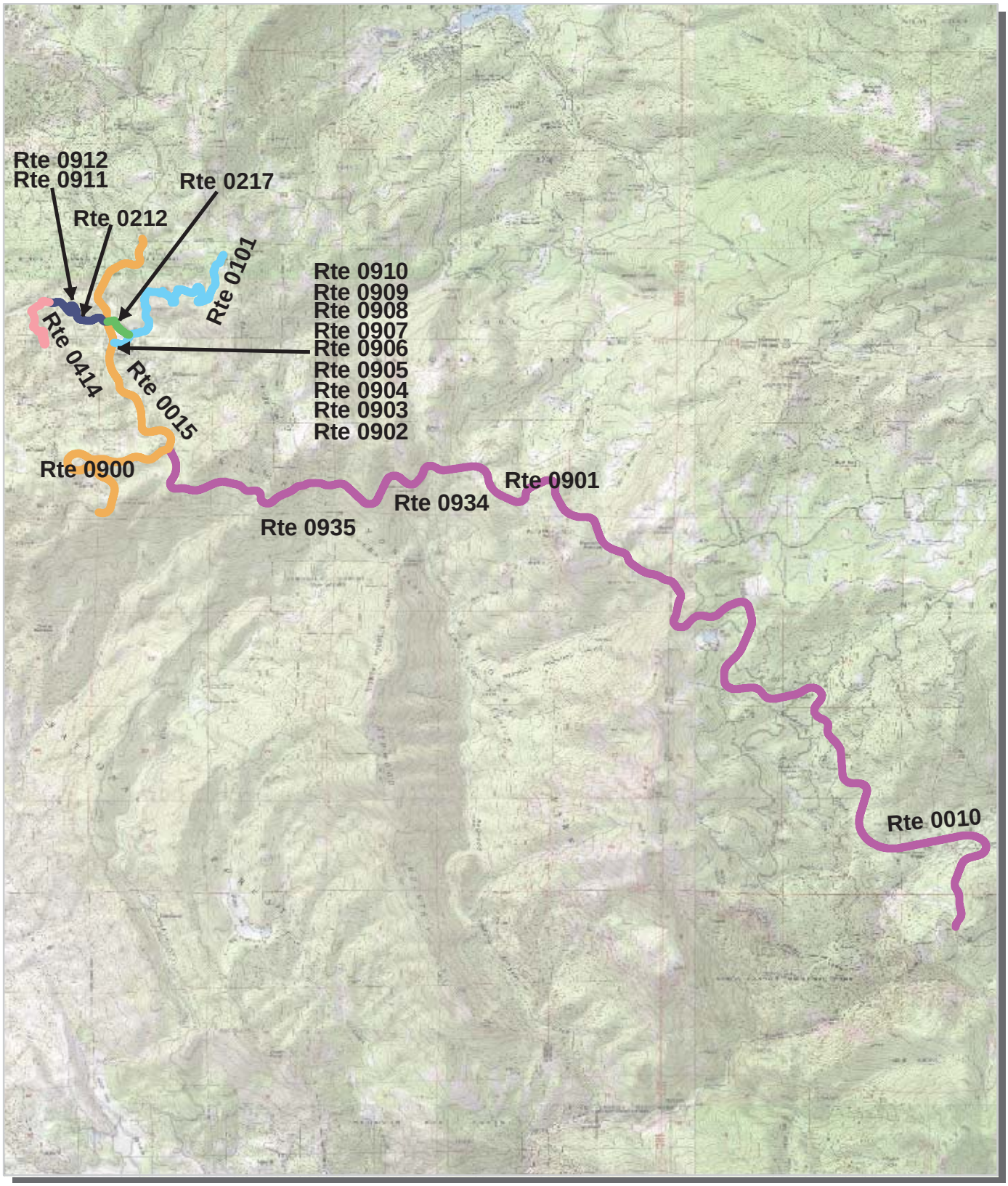
Park Owned Routes

5 2.5 0 5 Miles

N

3-1

Kings Canyon National Park
Route Location
Area Map 1

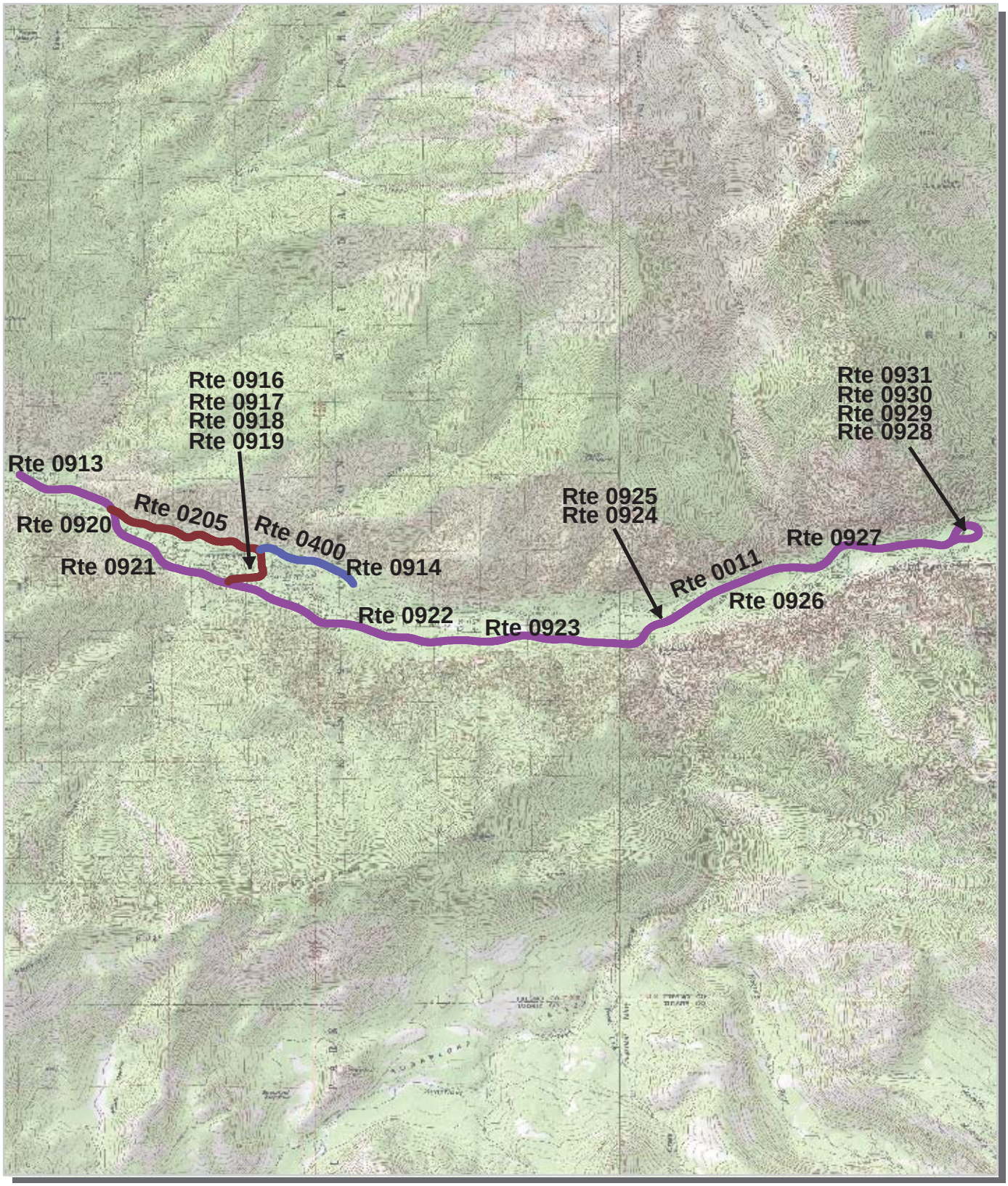


Unique colors used to differentiate routes

2 1 0 2 Miles

N

Kings Canyon National Park
Route Location
Area Map 2

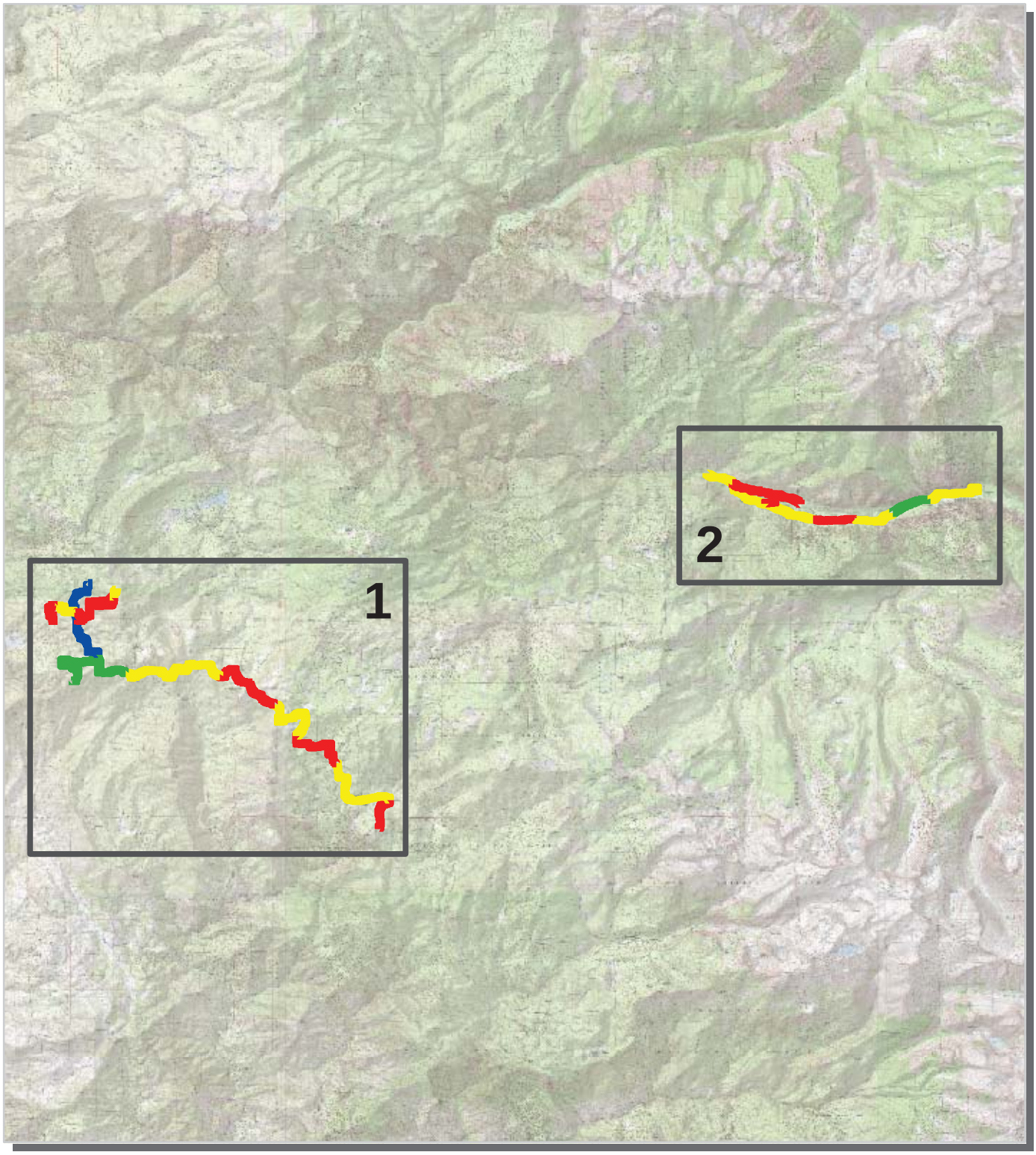


Unique colors used to differentiate routes

2 1 0 2 Miles

N

Kings Canyon National Park
Route Condition Key Map
PCR - Mile by Mile



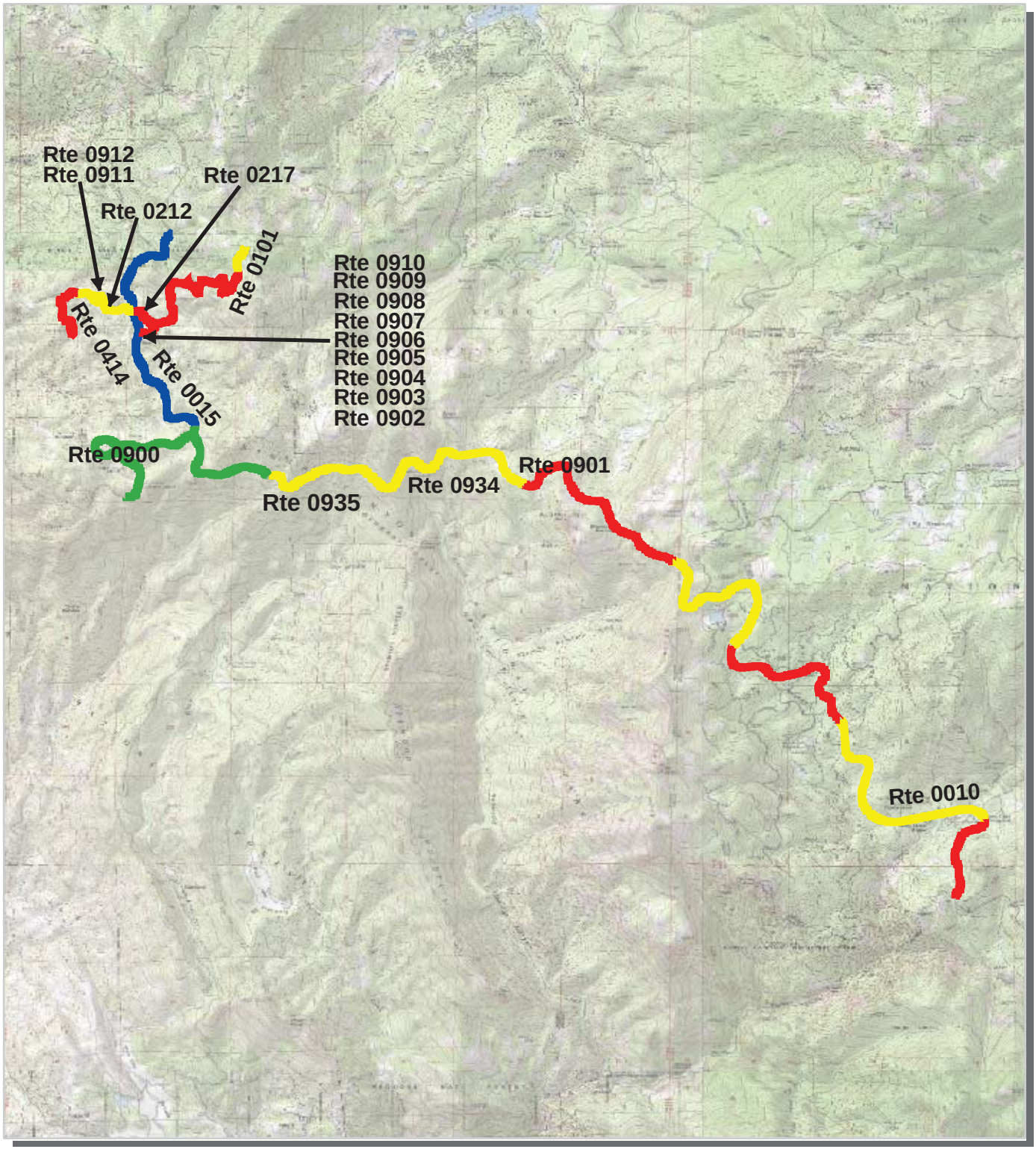
PCR
Poor (<=60)
Fair (61 - 84)
Good (85 - 94)
Excellent (95 - 100)

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

5 2.5 0 5 Miles

N

Kings Canyon National Park
Route Condition Area Map 1
PCR - Mile by Mile



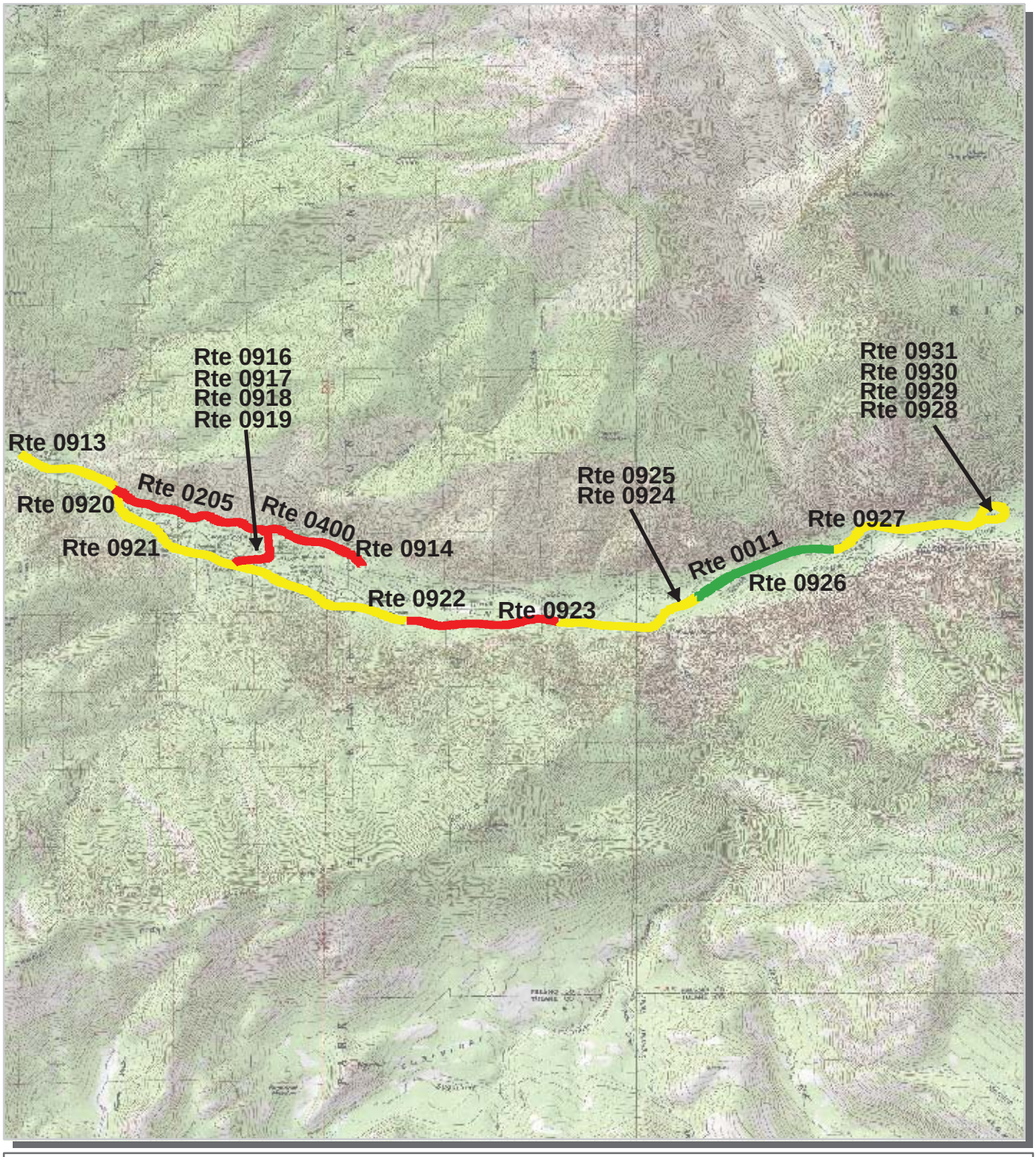
PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

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

2 1 0 2 Miles

N

Kings Canyon National Park
Route Condition Area Map 2
PCR - Mile by Mile



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.

2 1 0 2 Miles

N

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 =

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Kings Canyon National Park

Rte. #	FMSS Asset #	Route Name	Route Description From	Route Description To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0010		General's Highway	From Border of Sequoia National Park and National Forest	To Route 0015	13.12	0.00	13.12	1	2	0	AS
0011		Cedar Grove Road	From West Park Boundary	To End of Loop	7.53	0.00	7.53	1	2	0	AS
0015		Grant Grove Road	From Southwest Park Boundary	To North Park Boundary	4.67	0.00	4.67	1	2	0	AS
0101		Panoramic Point Road	From Route 0015 at MP 3.32 on Right	To Panoramic Point	2.32	0.00	2.32	2	2	0	AS
0200		Cedar Grove Motor Nature Road	From End of Route 0400	To Route 0011	0.00	3.30	3.30	4	2	0	GR
0205		Cedar Grove North Side Road	From Route 0011 at MP 0.7 on Left	To Route 0011 at MP 1.8	1.56	0.00	1.56	3	2	0	AS
0206		Sheep Creek Campground	From End of Route 0208 at MP 1.3 on Left	Through Campground	2.45	0.00	2.45	3	1	142,859	AS
0207		Sentinel Campground	From Route 0205 at MP 1.5 on Right	Through Campground	2.08	0.00	2.08	3	1	120,929	AS
0208		Canyon View Campground	From Route 0011 at MP 2.2 on Left	Through Campground	1.58	0.00	1.58	3	1	92,318	AS
0209		Moraine Campground	From Route 0011 at MP 2.5 on Left	Through Campground	3.72	0.00	3.72	3	1	216,229	AS
0212		Grant Tree Road	From Route 0015 at MP 3.55 on Left	To Route 0912	0.77	0.00	0.77	3	2	0	AS
0216		Azalea Campground	From Route 0212 at MP 0.05 on Left	Through Campground	3.51	0.00	3.51	3	1	204,181	AS
0217		Crystal Springs Road	From Route 0015 at MP 3.54 on Right	To Route 0101	0.28	0.00	0.28	3	2	0	AS
0218		Crystal Springs Campground	From Route 0217	Through Campground	1.87	0.00	1.87	3	1	149,509	AS
0220		Sunset Campground Road	From Route 0015 at MP 3.15 on Left	Through Campground	2.92	0.00	2.92	3	1	170,076	AS
0231		Redwood Saddle Road	From Route 0010	To West Park Boundary	0.00	1.29	1.29	4	2	0	GR
0400		Cedar Grove Residence Road	From Route 0205 at MP 1.1 on Left	To End of Pavement	0.73	0.00	0.73	5	2	0	AS
0401		Cedar Grove Residence Loop	From Route 0400 at MP 0.6 on Left	To Route 0400	0.51	0.00	0.51	5	1	36,596	AS
0402		Cedar Grove Village Residence Loop	From Route 0205 at MP 1.27 on Left	Through residential area	0.64	0.00	0.64	5	1	37,363	AS
0403		Heliport Service Road	From Route 0011 at MP 2.3 on Right	To Helispot	0.00	0.76	0.76	6	1	0	GR
0404		Canyon View Service Road	From Route 0011 at MP 3.25 on Right	To End	0.00	0.20	0.20	6	1	0	GR
0408		Lewis Creek Residence Road	From Route 0011 at MP 0.22 on Left	To End	0.00	0.20	0.20	6	2	0	GR
0411		Grant Grove Residence East loop	From Route 0417	To Route 0417	0.32	0.00	0.32	6	2	37,949	AS
0414		Swale Work Center Road	From end of Route 0212	To end of Loop	0.82	0.00	0.82	6	2	0	AS
0414A		Swale Work Center Loop A	From Route 0414 at MP 0.45	To Route 0414 at MP 0.47	0.03	0.00	0.03	6	2	3,934	AS
0415		Grant Grove Residence Upper Loop	From Route0411	To end of loop	0.08	0.00	0.08	6	2	9,231	AS
0417		Grant Grove Residence Lower Loop	From Route 015 at MP 3.1 on Right	To End of loop	0.42	0.00	0.42	5	2	48,935	AS
0418		Grant Grove Water Tower Access Road	From Route 0101 at MP 0.17 on Right	To water tower	0.23	0.00	0.23	6	2	26,847	AS

NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:
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Kings Canyon National Park

Rte. #	FMSS Asset #	Route Name	Route Description From	Route Description To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0419		Trailer Residence Road	From Route 0101	To End	0.26	0.00	0.26	6	1	15,235	AS
0425		Park Ridge Road	From Route 0101	To Lookout Tower	0.00	2.86	2.86	6	1	0	GR
0426		Service Road	From Route 0011 at MP 0.22 on Left	To End	0.00	0.14	0.14	6	1	0	GR
0900		Big Stump Picnic Area	Adjacent to Route 0015 (South) at MP 0.86 on Left		0.00	0.00	0.00	9	0	34,949	UN
0901		Kings Canyon Overlook	Adjacent to Route 0010 at MP 8.5 on Right		0.00	0.00	0.00	9	0	8,101	AS
0902		Grant Grove Maintenance Area	Adjacent to Route 0417		0.00	0.00	0.00	9	0	38,120	AS
0903		Sunset Amphitheater Parking	Adjacent to Route 0220		0.00	0.00	0.00	9	0	24,961	AS
0904		Grant Grove Concession Parking	Adjacent to Route 0015 at MP 3.4 on Right		0.00	0.00	0.00	9	0	16,454	AS
0905		Grant Grove Concession Service Access	From Route 0904	To loading area	0.00	0.00	0.00	9	0	8,267	AS
0906		Grant Grove Visitor Center Parking	Adjacent to Route 0101 at MP 0.05 on Left and Right		0.00	0.00	0.00	9	0	13,204	AS
0907		Manzanita Trail Parking	Adjacent to Route 0101 at MP 0.1 on Right		0.00	0.00	0.00	9	0	6,327	AS
0908		Grant Grove Village Parking	Adjacent to Route 0101 at MP 0.15 on Left and Right		0.00	0.00	0.00	9	0	7,280	AS
0909		John Muir Lodge Parking	Adjacent to Route 101 at MP 0.2		0.00	0.00	0.00	9	0	21,653	AS
0910		Meadow Camp Cabins Road	Adjacent to Route 0217 at MP 0.20		0.00	0.00	0.00	9	0	9,251	AS
0911		Columbine Picnic Parking	Adjacent to Route 0212 at MP 0.24 on Left		0.00	0.00	0.00	9	0	8,286	AS
0912		Grant Tree Parking	At End of Route 0212		0.00	0.00	0.00	9	0	54,539	AS
0913		Cedar Grove Waste Water Treatment Facility Access	Adjacent to Route 0011 at MP 0.03 on Left		0.00	0.00	0.00	9	0	11,326	AS
0914		Cedar Grove Maintenance Area	From Route 0401 at MP 0.58	To Route 0400	0.00	0.00	0.00	9	0	15,450	AS
0915		Cedar Grove Corral Parking	Adjacent to Route 0400		0.00	0.00	0.00	9	0	0	GR
0916		Cedar Grove Village Parking	Adjacent to Route 0205 at MP 1.3 on Left	To Route 0402	0.00	0.00	0.00	9	0	60,236	AS
0917		Cedar Grove Village Picnic Parking	Adjacent to Route 0916		0.00	0.00	0.00	9	0	24,265	AS
0918		Cedar Grove Visitor Center Parking	Adjacent to Route 0207		0.00	0.00	0.00	9	0	43,708	AS
0919		Cedar Grove Visitor Center Service Loop	Adjacent to Route 0918 behind Visitor Center		0.00	0.00	0.00	9	0	3,080	AS
0920		Route 0011 Turnout at MP 0.88	Adjacent to Route 0011 at MP 0.8 on Left		0.00	0.00	0.00	9	0	1,900	AS
0921		Sheep Creek Dump Station	Adjacent to Route 0011 at MP 1.2 on Left		0.00	0.00	0.00	9	0	4,244	AS
0922		Canyon View Parking	Adjacent to Route 0011 at MP 2.8 on Left		0.00	0.00	0.00	9	0	5,986	AS
0923		Knapp's Cabin Parking	Adjacent to Route 011 at MP 3.9 on Left		0.00	0.00	0.00	9	0	8,574	AS

NPS/RIP Route ID Report

(Numerical By Route #)

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Purple =

KICA

Kings Canyon National Park

Rte. #	FMSS Asset #	Route Name	Route Description From	Route Description To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0924		Roaring River Falls Parking	Adjacent to Route 0011 at MP 4.8 on Right		0.00	0.00	0.00	9	0	13,614	AS
0925		Route 0011 Turnout at MP 5.00	Adjacent to Route 0011 at MP 4.75 on Left		0.00	0.00	0.00	9	0	5,694	AS
0926		Route 0011 Turnout at MP 5.36	Adjacent to Route 0011 at MP 5.4 on Right		0.00	0.00	0.00	9	0	3,548	AS
0927		Zumwalt Meadow Parking	Adjacent to Route 0011 at MP 6.3 on Right		0.00	0.00	0.00	9	0	17,661	AS
0928		Road's End Information Parking	Adjacent to Route 0011 at MP 7.1 on Right		0.00	0.00	0.00	9	0	46,058	AS
0929		Road's End Restroom Parking	Adjacent to Route 0011 at MP 7.2 on Left		0.00	0.00	0.00	9	0	2,523	AS
0930		Road's End Copper Creek Trail Parking	Adjacent to Route 0011 at MP 7.3 on Right		0.00	0.00	0.00	9	0	20,308	AS
0931		Road's End Long Term Parking	Adjacent to Route 0011 at MP 7.4 on Right		0.00	0.00	0.00	9	0	43,726	AS
0932		Panoramic Point Parking	At End of Route 0101		0.00	0.00	0.00	9	0	0	AS
0933		Grant Grove Corral Parking	Adjacent to Route 0015 at MP 3.7 on Left		0.00	0.00	0.00	9	0	0	GR
0934		Redwood Canyon Overlook Parking	Adjacent to Route 0010 at MP 10.15 on Left		0.00	0.00	0.00	9	0	13,657	AS
0935		Route 0010 Parking at MP 11.7	Adjacent to Route 0010 at MP 11.65 on Left		0.00	0.00	0.00	9	0	2,184	AS
				Totals:	52.42	8.75	**61.17**			1,911,327	

NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:
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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
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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 Invetoried 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.

****

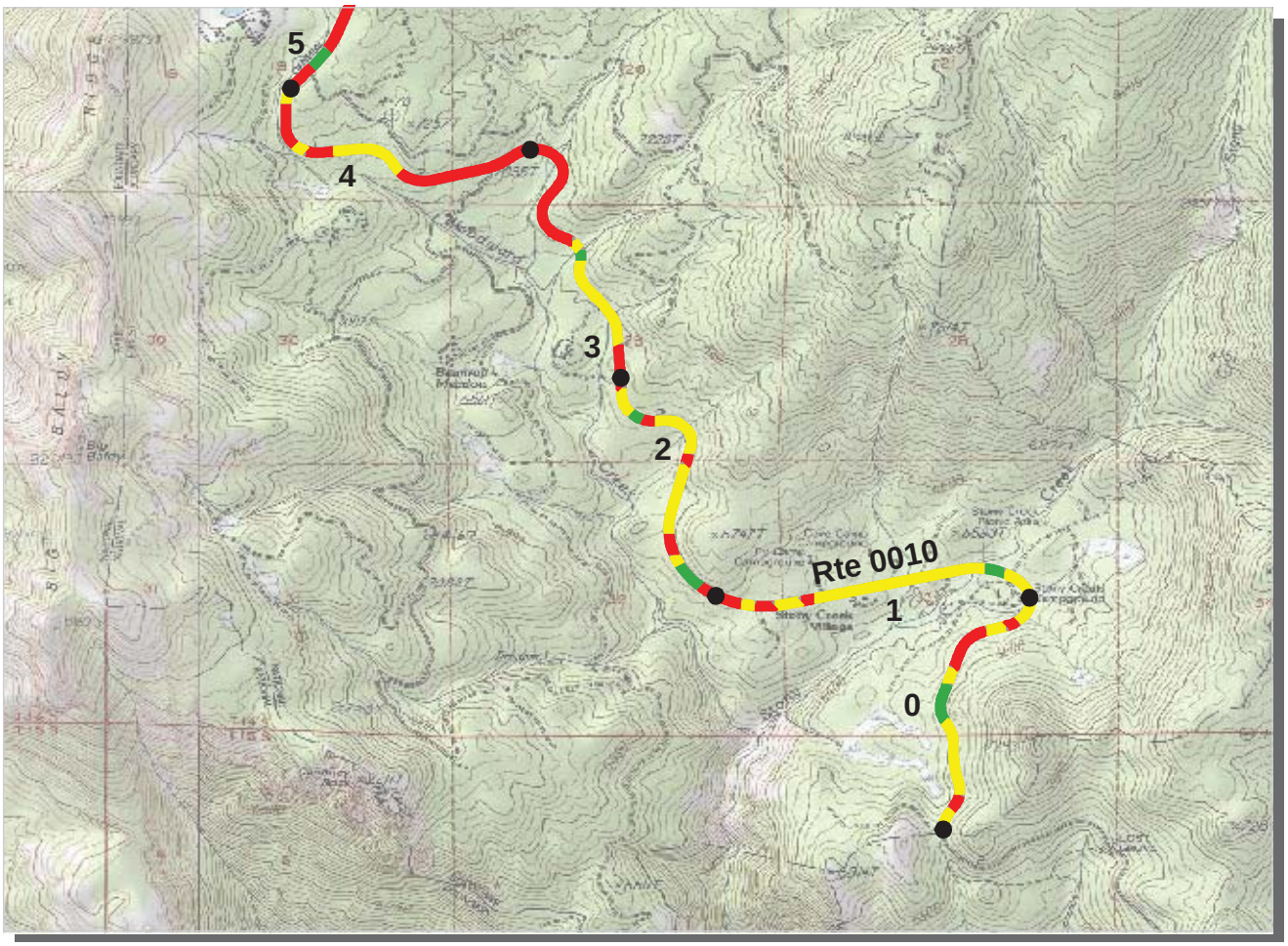
A park road system contains those roads within or giving access to a park or other unit of the NPS which are administered by the NPS, or by the Service in cooperation with other agencies. The assignment of a functional classification (FC) to a park road is not based on traffic volumes or design speed,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

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



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.

Pacific West Region
KICA : Kings Canyon National Park

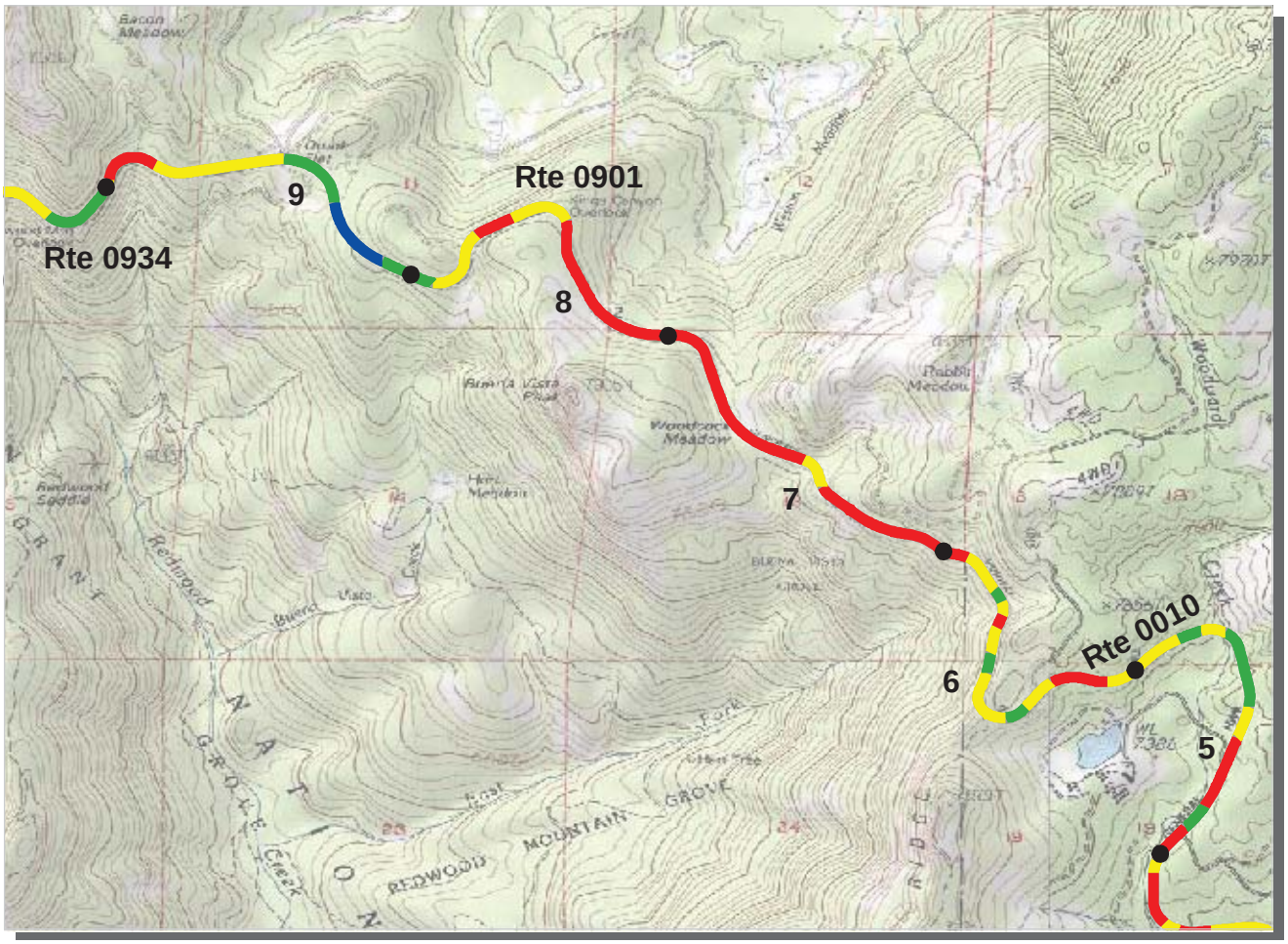
ROUTE: 0010 General's Highway **TOTAL LENGTH: 13.12 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	20	19	20	20
Lane Width (ft)	9	9	9	10	10
Shoulder Width (ft)	2	2	3	2	2
Roadway Condition Information					
PCR (Pavement Condition Rating)	60	70	65	55	52
RCI (Roughness Condition Index)	63	72	71	73	71
SCR (Surface Condition Rating)	58	69	60	44	40
Alligator Cracking Index	69	87	77	66	64
Rutting Index	88	91	88	83	81
Patching Index	99	99	99	99	100
Tranverse Cracking Index	99	95	96	93	90
Longitudinal Cracking Index	96	95	95	93	92
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

* NC designates data not collected N/A designates not applicable

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

ROUTE: 0010 General's Highway



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.

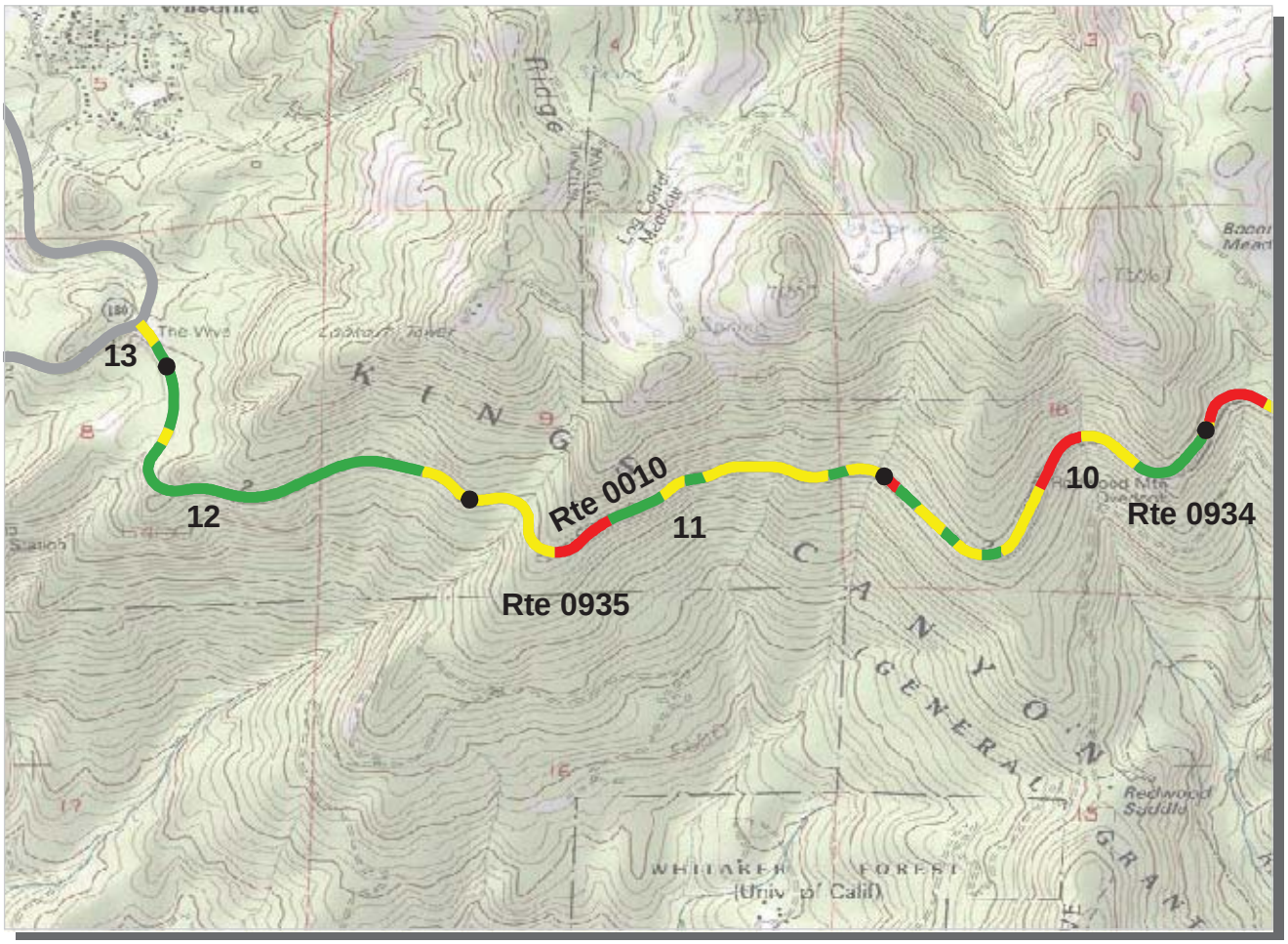
Pacific West Region
KICA : Kings Canyon National Park

ROUTE: 0010 General's Highway **TOTAL LENGTH: 13.12 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	19	19	20	21
Lane Width (ft)	10	10	9	10	10
Shoulder Width (ft)	2	3	1	3	2
Roadway Condition Information					
PCR (Pavement Condition Rating)	71	66	38	52	76
RCI (Roughness Condition Index)	76	71	70	66	78
SCR (Surface Condition Rating)	67	63	16	44	75
Alligator Cracking Index	78	81	28	63	92
Rutting Index	90	87	83	85	86
Patching Index	100	99	98	96	100
Tranverse Cracking Index	97	96	93	94	98
Longitudinal Cracking Index	97	95	93	94	98
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

* NC designates data not collected N/A 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.

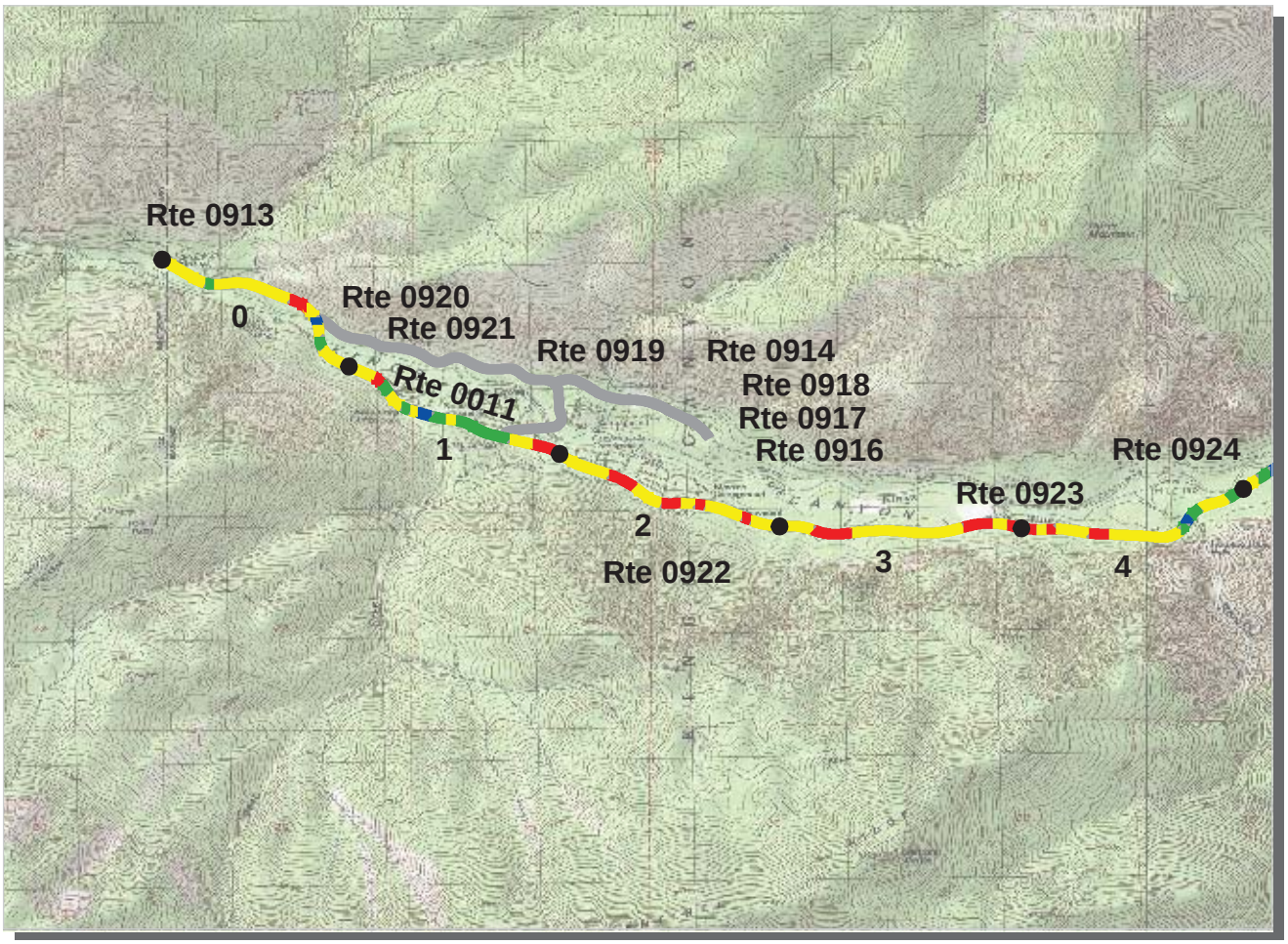
Pacific West Region
KICA : Kings Canyon National Park

ROUTE: 0010 General's Highway **TOTAL LENGTH: 13.12 Miles**

Section Number	10	11	12	13	
Section Length (mi)	1.00	1.00	1.00	0.12	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	
Paved Width (ft)	20	20	19	20	
Lane Width (ft)	10	11	9	10	
Shoulder Width (ft)	0	2	0	3	
Roadway Condition Information					
PCR (Pavement Condition Rating)	72	74	87	86	
RCI (Roughness Condition Index)	71	68	93	91	
SCR (Surface Condition Rating)	73	78	82	85	
Alligator Cracking Index	90	95	100	100	
Rutting Index	85	86	82	85	
Patching Index	99	99	100	100	
Tranverse Cracking Index	99	98	99	100	
Longitudinal Cracking Index	98	97	99	100	
Shoulder Condition Rating	N/A	GOOD	N/A	GOOD	
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	

* NC designates data not collected N/A 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.

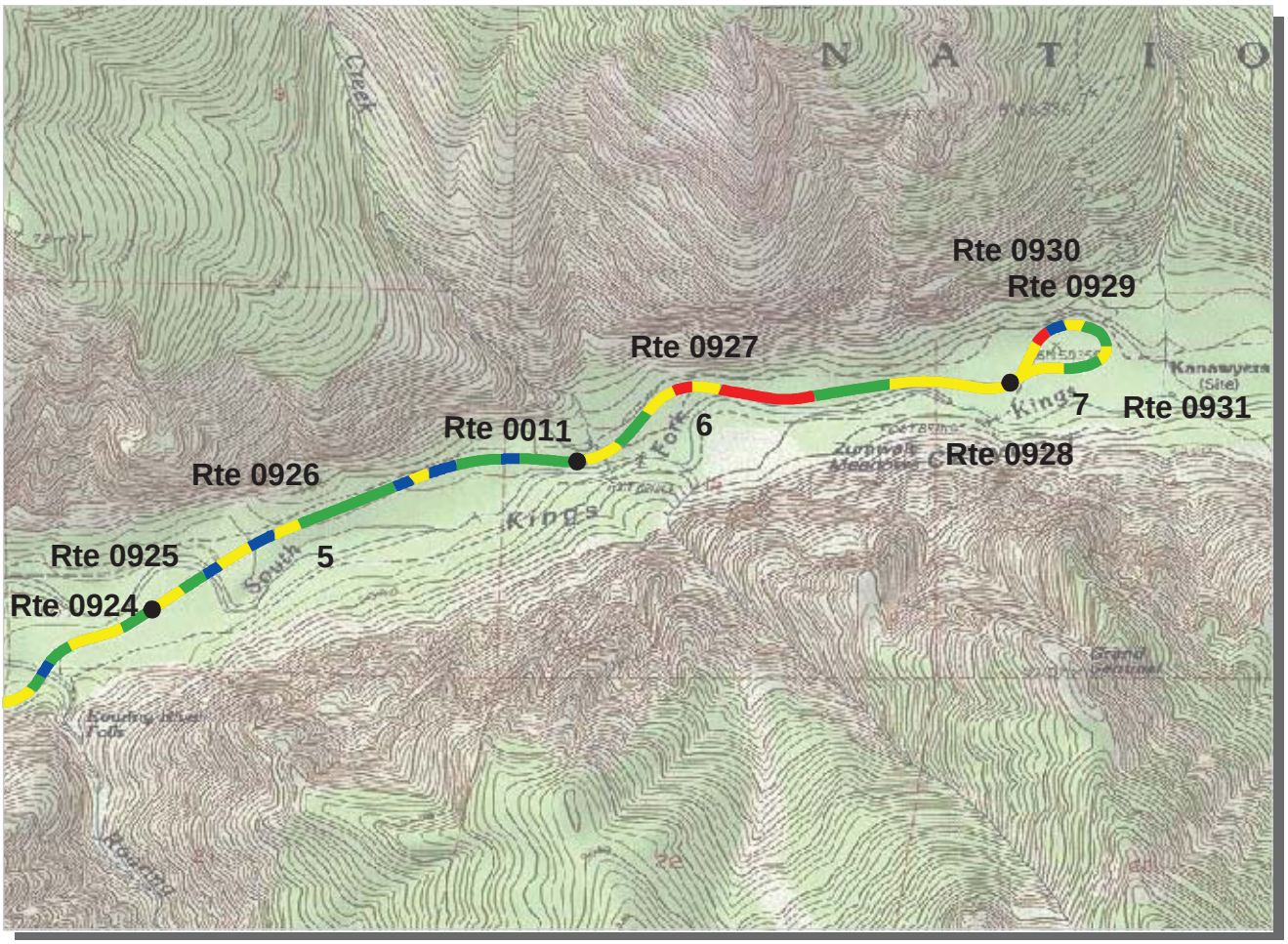
Pacific West Region
KICA : Kings Canyon National Park

ROUTE: 0011 Cedar Grove Road **TOTAL LENGTH: 7.53 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	23	23	22	22
Lane Width (ft)	11	11	12	12	11
Shoulder Width (ft)	4	4	3	2	2
Roadway Condition Information					
PCR (Pavement Condition Rating)	75	79	63	60	68
RCI (Roughness Condition Index)	89	88	89	89	91
SCR (Surface Condition Rating)	67	73	46	40	53
Alligator Cracking Index	100	99	96	96	97
Rutting Index	70	76	52	50	60
Patching Index	98	99	99	99	99
Tranverse Cracking Index	98	99	98	97	98
Longitudinal Cracking Index	99	98	98	97	98
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

* NC designates data not collected N/A 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.

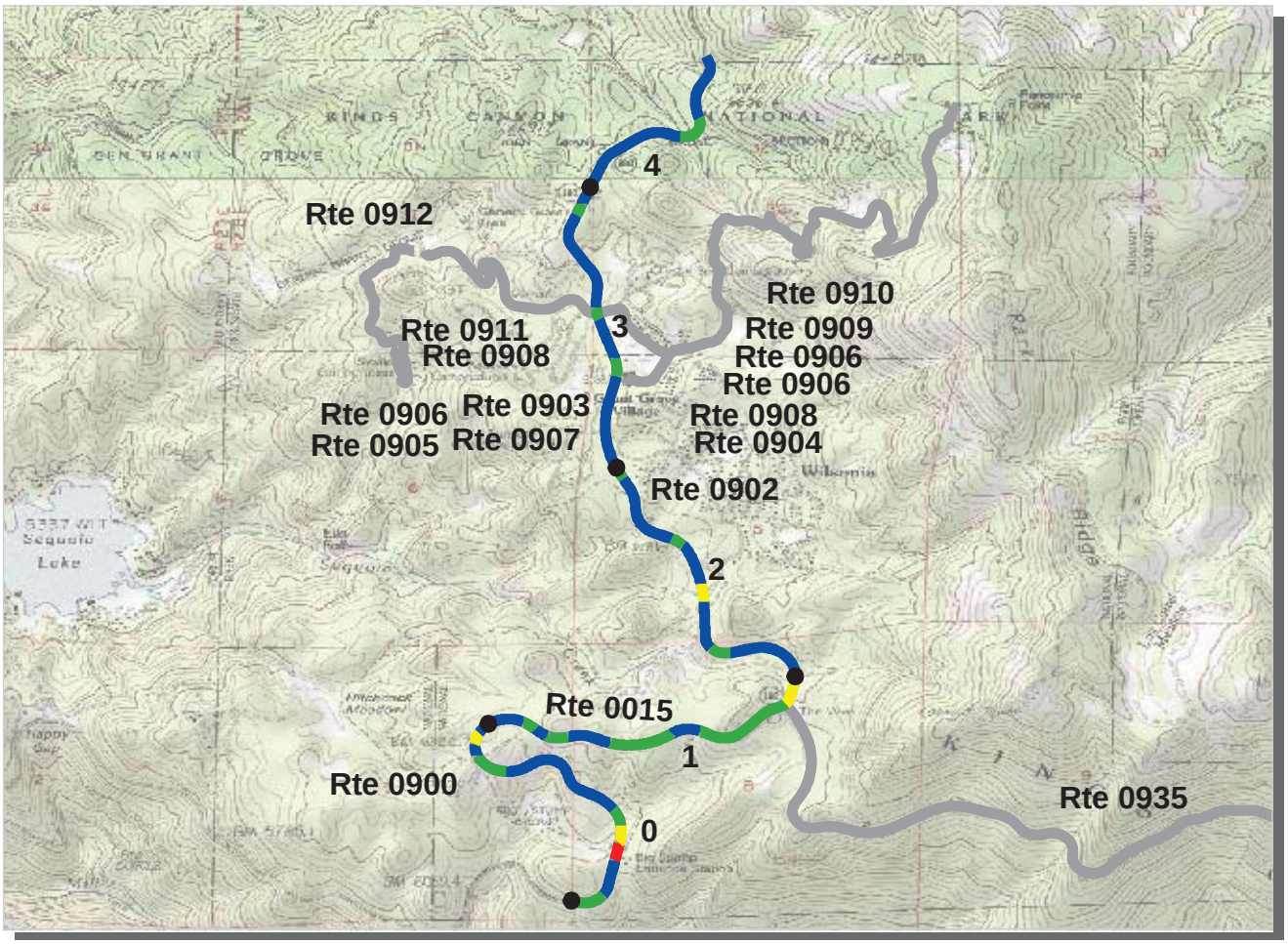
Pacific West Region
KICA : Kings Canyon National Park

ROUTE: 0011 Cedar Grove Road **TOTAL LENGTH: 7.53 Miles**

Section Number	5	6	7		
Section Length (mi)	1.00	1.00	0.53		
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	23	20	19		
Lane Width (ft)	12	10	10		
Shoulder Width (ft)	2	5	4		
Roadway Condition Information					
PCR (Pavement Condition Rating)	86	70	78		
RCI (Roughness Condition Index)	87	84	88		
SCR (Surface Condition Rating)	85	61	73		
Alligator Cracking Index	100	99	99		
Rutting Index	87	73	76		
Patching Index	100	91	100		
Tranverse Cracking Index	98	97	98		
Longitudinal Cracking Index	99	99	98		
Shoulder Condition Rating	GOOD	GOOD	GOOD		
Drainage Condition Rating	GOOD	GOOD	GOOD		

* NC designates data not collected N/A 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.

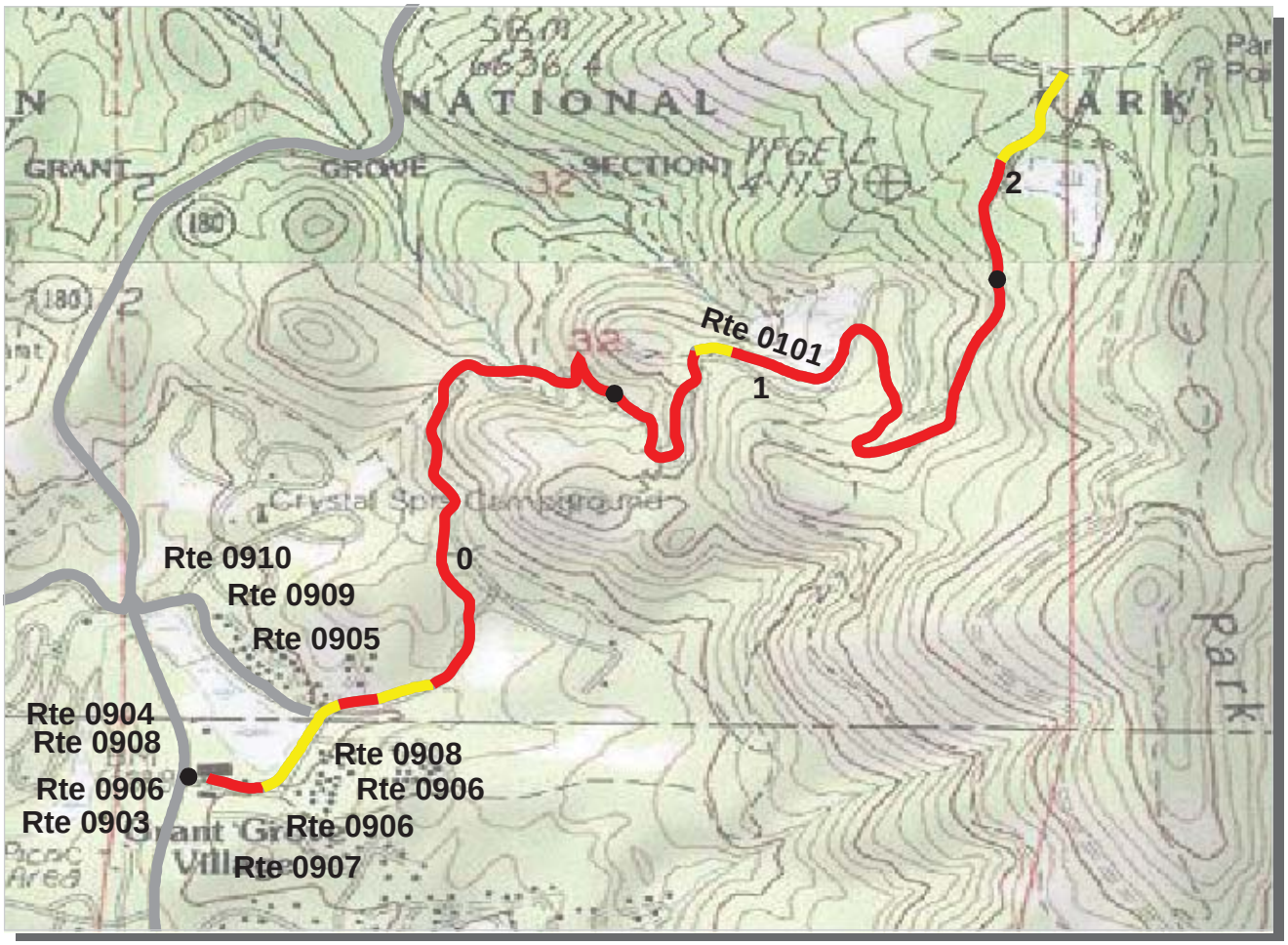
Pacific West Region
KICA : Kings Canyon National Park

ROUTE: 0015 Grant Grove Road **TOTAL LENGTH: 4.67 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	0.67
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	20	20	20	21
Lane Width (ft)	11	10	10	10	10
Shoulder Width (ft)	3	3	4	3	3
Roadway Condition Information					
PCR (Pavement Condition Rating)	90	92	95	97	98
RCI (Roughness Condition Index)	97	97	99	97	98
SCR (Surface Condition Rating)	88	88	92	96	97
Alligator Cracking Index	100	100	100	100	100
Rutting Index	88	88	92	96	97
Patching Index	100	100	100	100	100
Tranverse Cracking Index	100	100	100	100	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

* NC designates data not collected N/A 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.

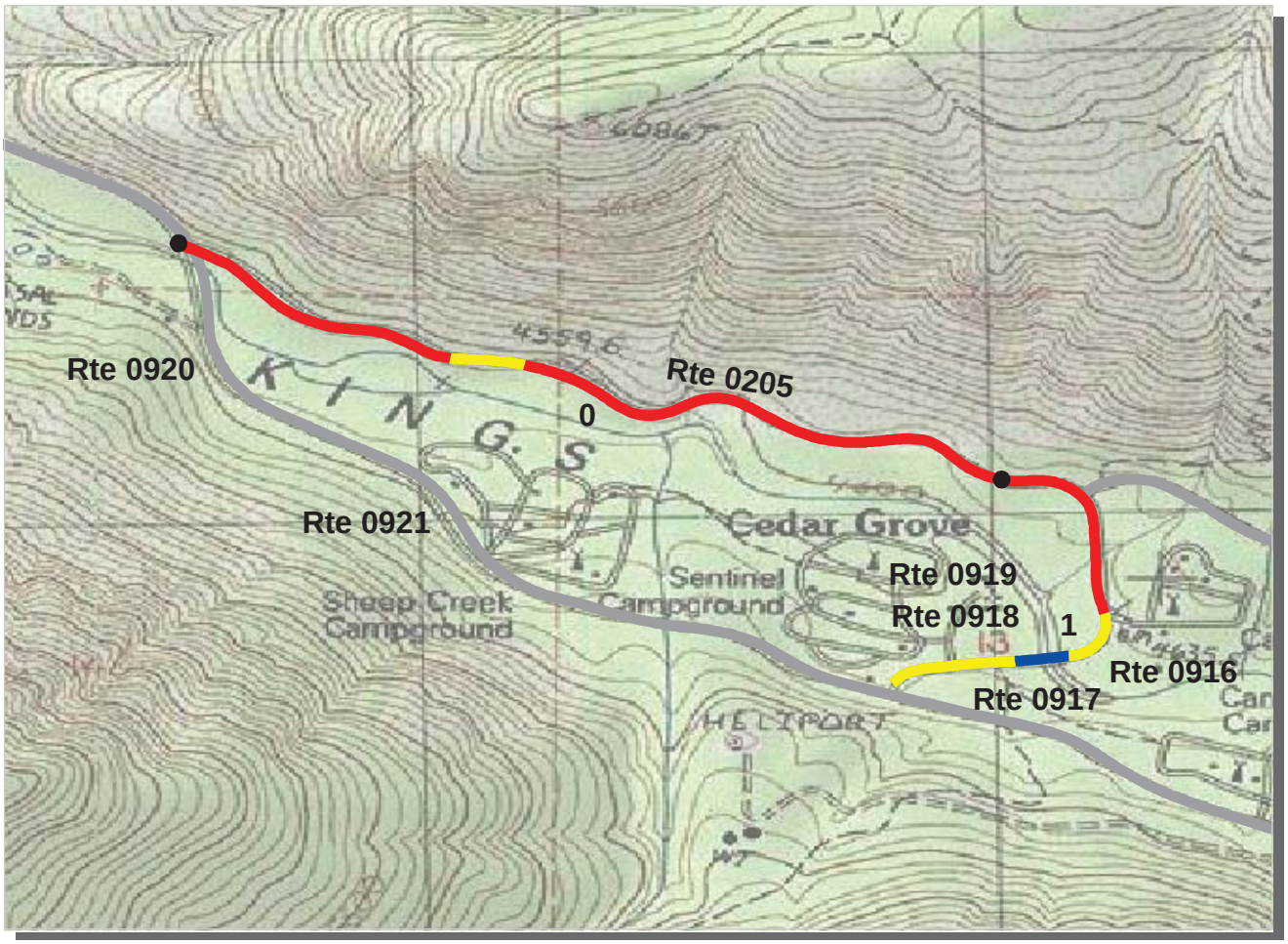
Pacific West Region
KICA : Kings Canyon National Park

ROUTE: 0101 Panoramic Point Road **TOTAL LENGTH: 2.32 Miles**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.32		
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	1	1		
Paved Width (ft)	17	12	12		
Lane Width (ft)	9	12	12		
Shoulder Width (ft)	0	0	3		
Roadway Condition Information					
PCR (Pavement Condition Rating)	43	20	62		
RCI (Roughness Condition Index)	40	49	50		
SCR (Surface Condition Rating)	44	19	59		
Alligator Cracking Index	79	37	82		
Rutting Index	69	70	80		
Patching Index	94	99	100		
Tranverse Cracking Index	98	98	99		
Longitudinal Cracking Index	97	96	98		
Shoulder Condition Rating	N/A	N/A	GOOD		
Drainage Condition Rating	GOOD	GOOD	GOOD		

* NC designates data not collected N/A 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.

Pacific West Region
KICA : Kings Canyon National Park

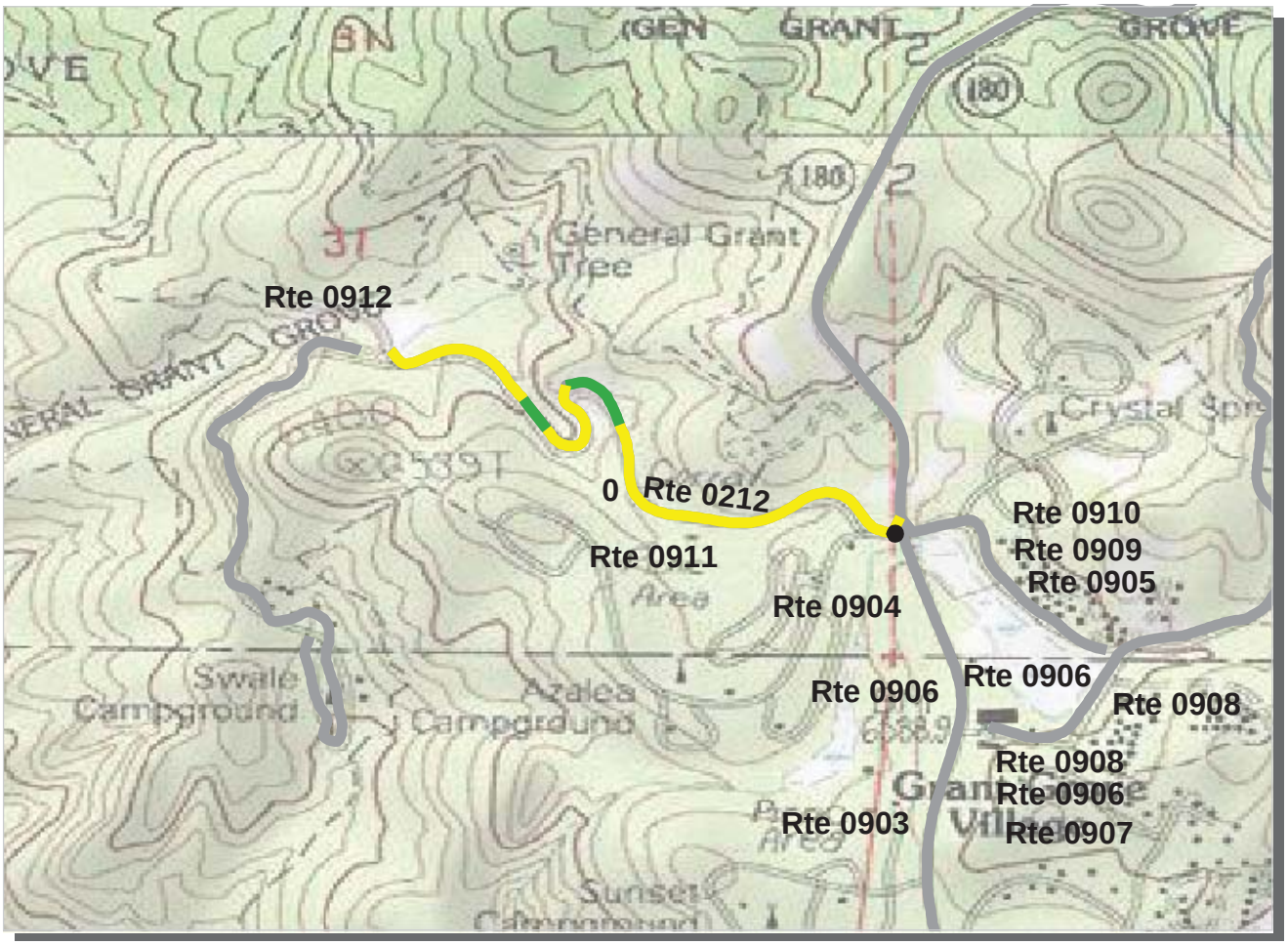
ROUTE: 0205 Cedar Grove North Side Road **TOTAL LENGTH: 1.56 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.56			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	17	20			
Lane Width (ft)	9	10			
Shoulder Width (ft)	2	2			
Roadway Condition Information					
PCR (Pavement Condition Rating)	35	56			
RCI (Roughness Condition Index)	46	52			
SCR (Surface Condition Rating)	29	53			
Alligator Cracking Index	73	94			
Rutting Index	56	64			
Patching Index	99	99			
Tranverse Cracking Index	98	96			
Longitudinal Cracking Index	96	98			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

* NC designates data not collected N/A designates not applicable

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

ROUTE: 0205 Cedar Grove North Side 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.

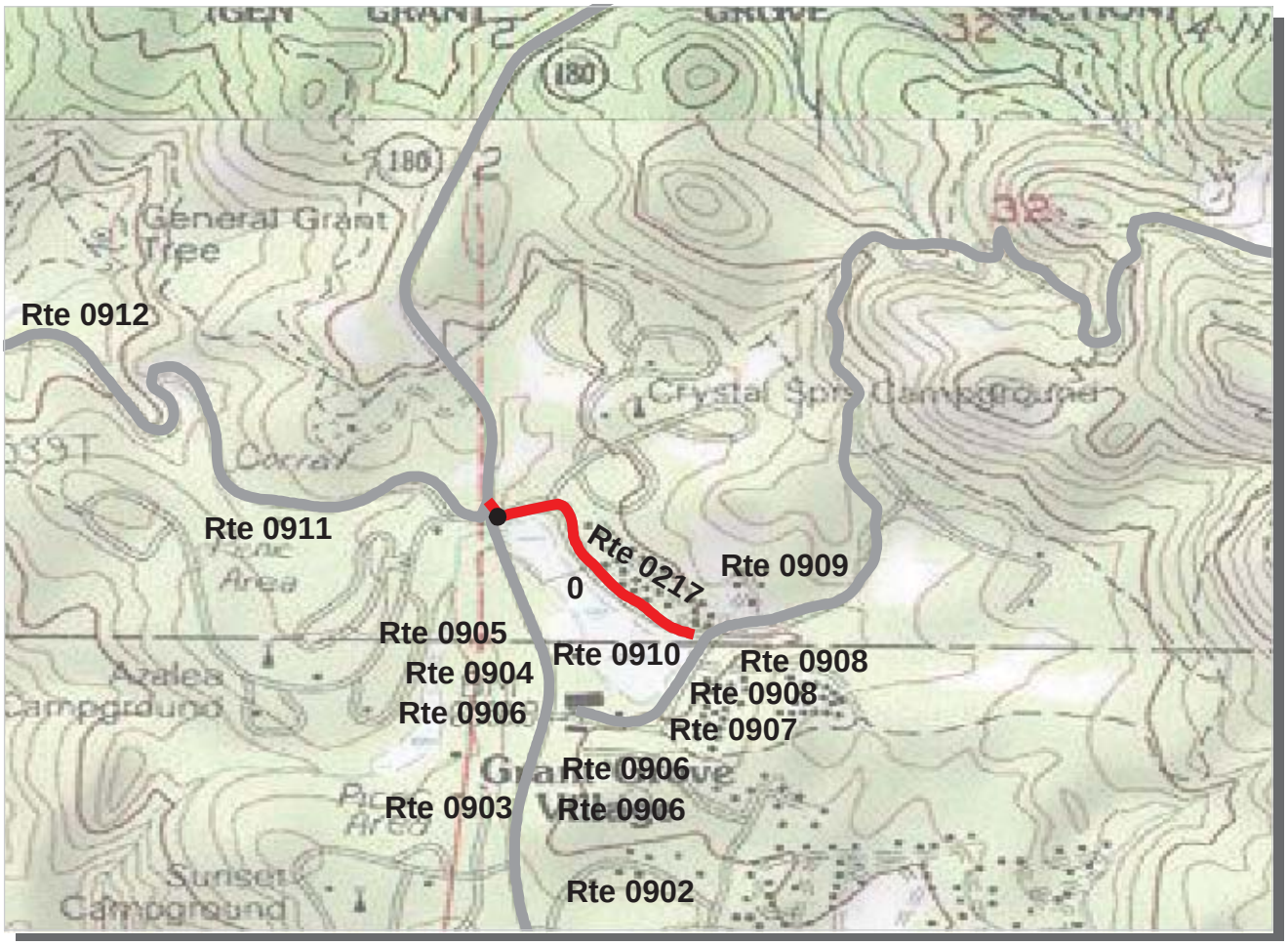
Pacific West Region
KICA : Kings Canyon National Park

ROUTE: 0212 Grant Tree Road **TOTAL LENGTH: 0.77 Miles**

Section Number	0				
Section Length (mi)	0.77				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	10				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	75				
RCI (Roughness Condition Index)	63				
SCR (Surface Condition Rating)	83				
Alligator Cracking Index	97				
Rutting Index	86				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected N/A 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.

Pacific West Region
KICA : Kings Canyon National Park

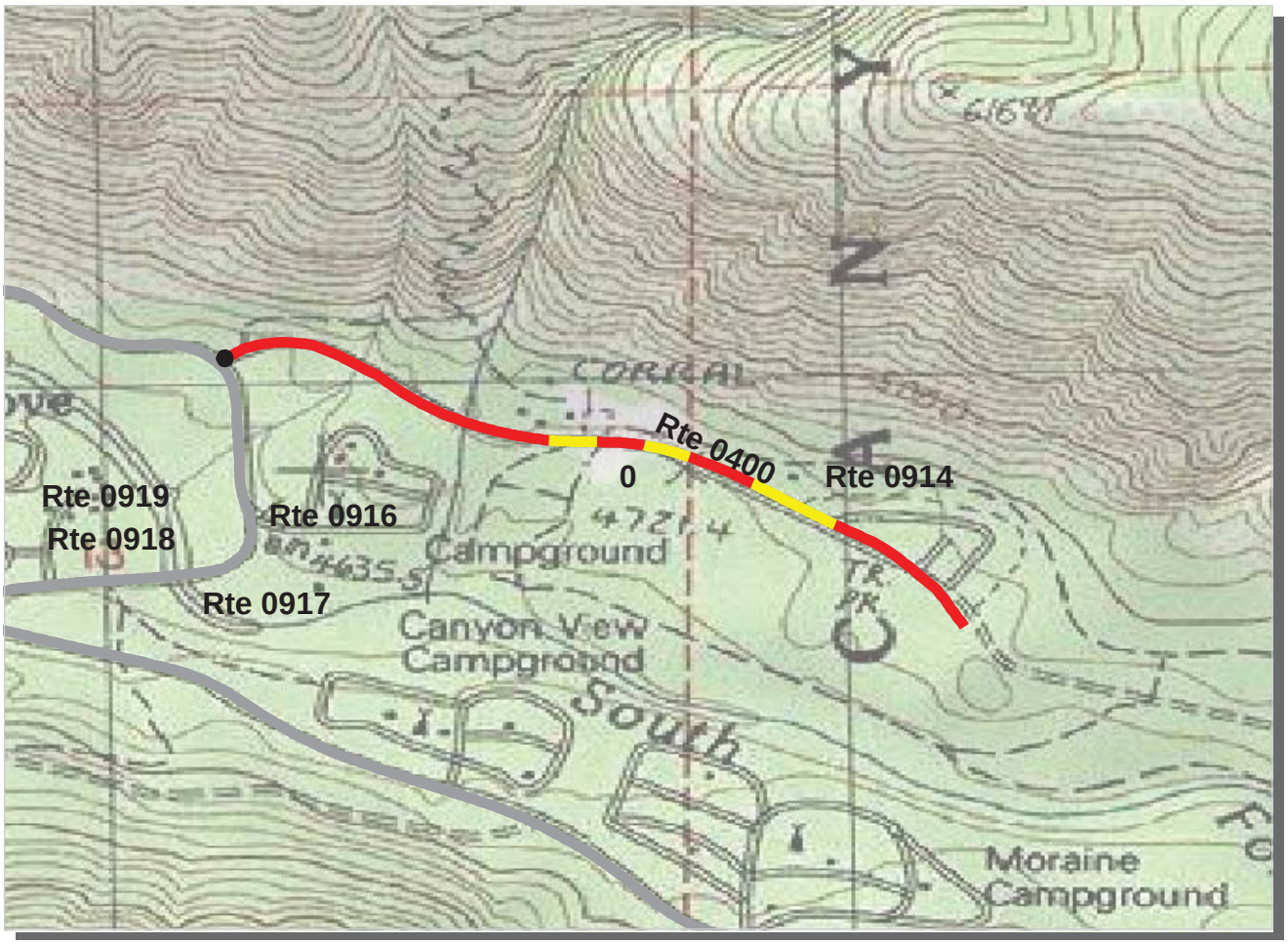
ROUTE: 0217 Crystal Springs Road **TOTAL LENGTH: 0.28 Miles**

Section Number	0				
Section Length (mi)	0.28				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	10				
Shoulder Width (ft)	5				
Roadway Condition Information					
PCR (Pavement Condition Rating)	21				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	21				
Alligator Cracking Index	40				
Rutting Index	66				
Patching Index	96				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected N/A designates not applicable

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

ROUTE: 0217 Crystal Springs 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.

Pacific West Region
KICA : Kings Canyon National Park

ROUTE: 0400 Cedar Grove Residence Road **TOTAL LENGTH: 0.73 Miles**

Section Number	0				
Section Length (mi)	0.73				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	9				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	43				
RCI (Roughness Condition Index)	71				
SCR (Surface Condition Rating)	33				
Alligator Cracking Index	93				
Rutting Index	60				
Patching Index	99				
Tranverse Cracking Index	83				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected N/A designates not applicable

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

ROUTE: 0400 Cedar Grove Residence 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.

Pacific West Region
KICA : Kings Canyon National Park

ROUTE: 0414 Swale Work Center Road **TOTAL LENGTH: 0.82 Miles**

Section Number	0				
Section Length (mi)	0.82				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	9				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	11				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	11				
Alligator Cracking Index	37				
Rutting Index	56				
Patching Index	98				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

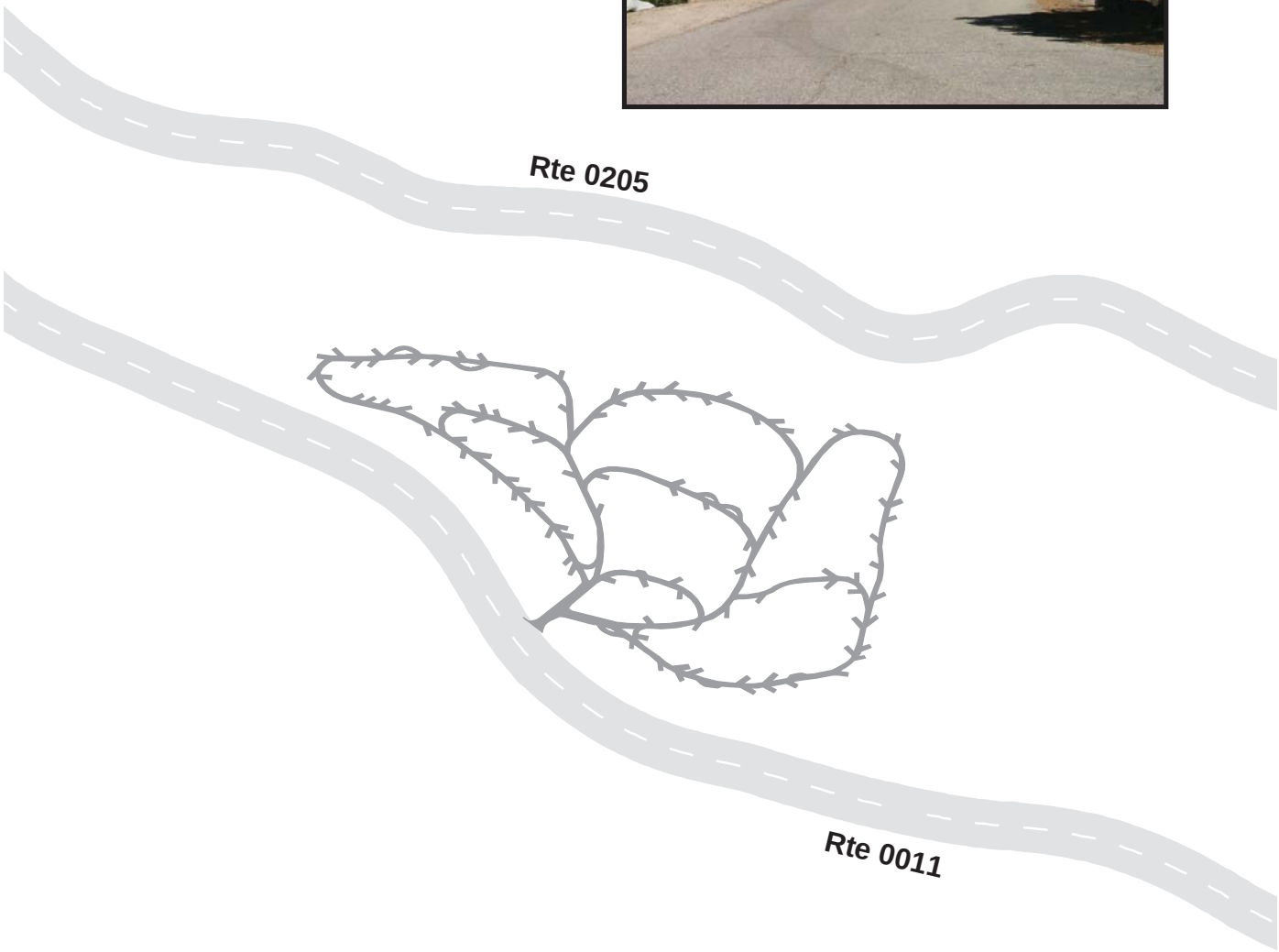
* NC designates data not collected N/A designates not applicable

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

KINGS CANYON NATIONAL PARK
Route 0206
Sheep Creek Campground
FROM ROUTE 0011 AT MP 1.3 ON LEFT

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0206	2.45	0.00	142859	2.46	FAIR / 73	AS

* Lane miles are based on 11' lane widths



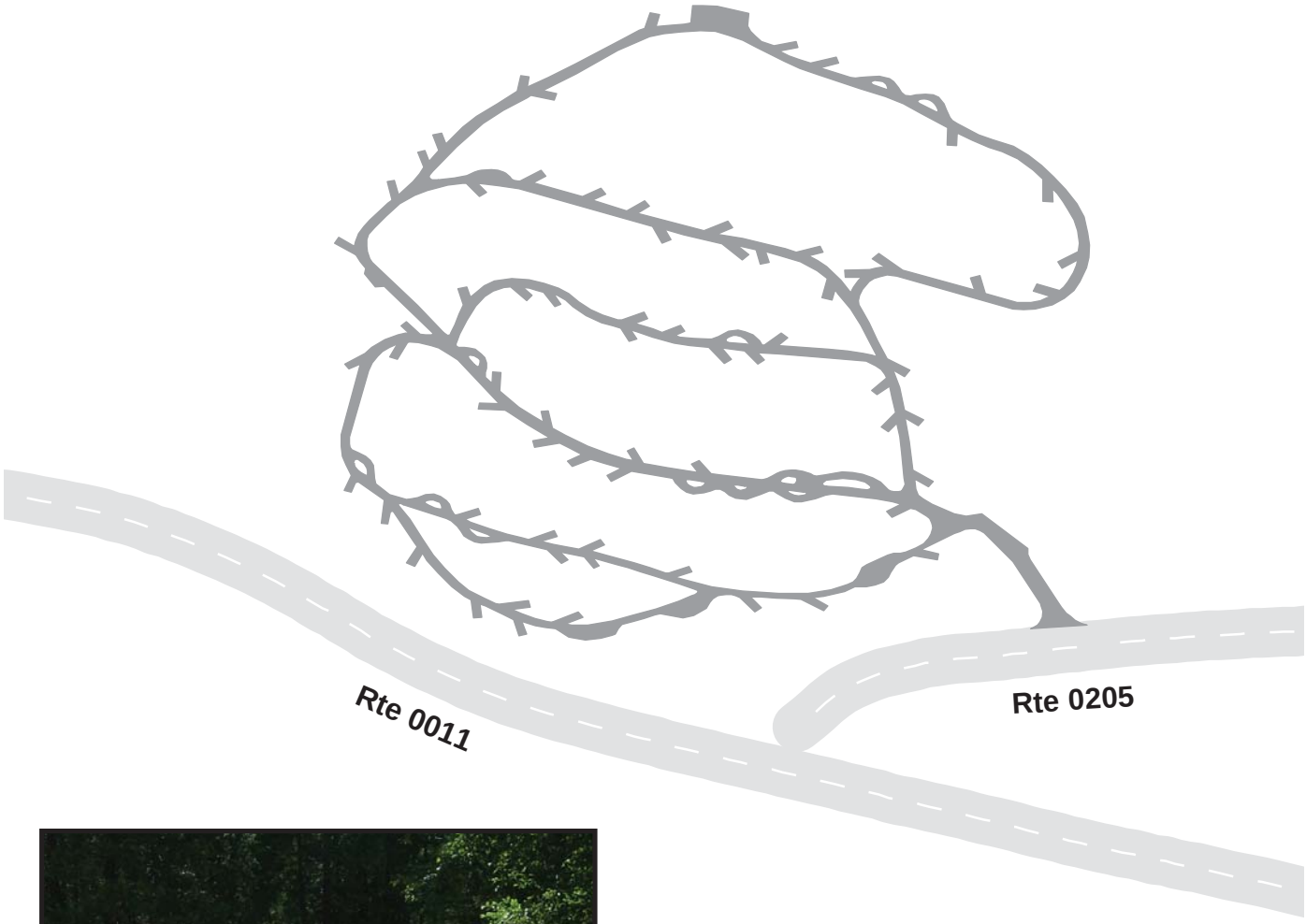
500 250 0 500
Feet

N

Kings Canyon National Park
Route 0207
Sentinel Campground
From Route 0205 at MP 1.5 on Right

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0207	2.08	0.00	120929	2.08	FAIR / 73	AS

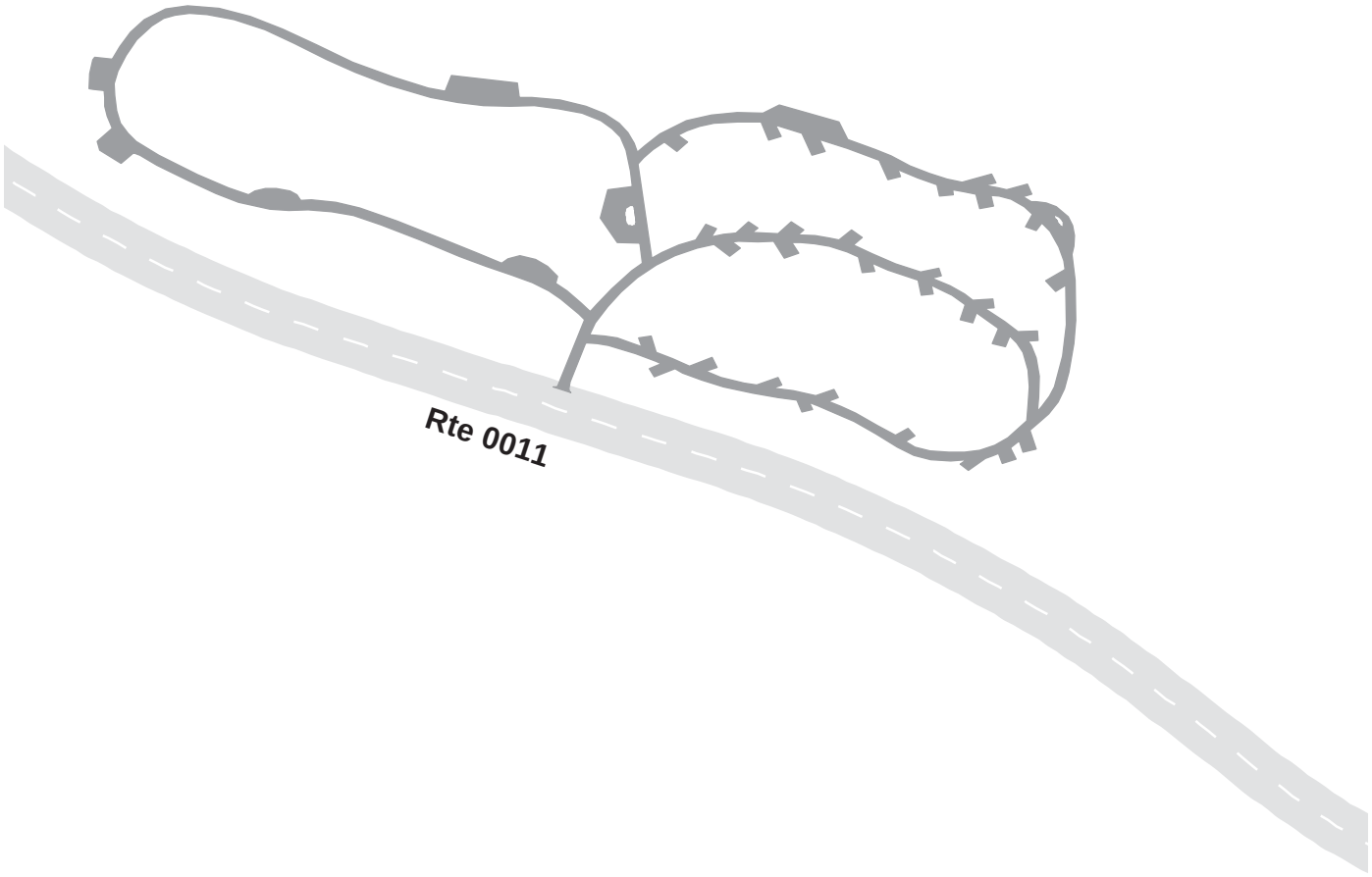
* Lane miles are based on 11' lane widths



Kings Canyon National Park
Route 0208
Canyon View Campground
From Route 0011 at MP 2.2 on Left

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0208	1.58	0.00	92318	1.59	POOR / 45	AS

* Lane miles are based on 11' lane widths



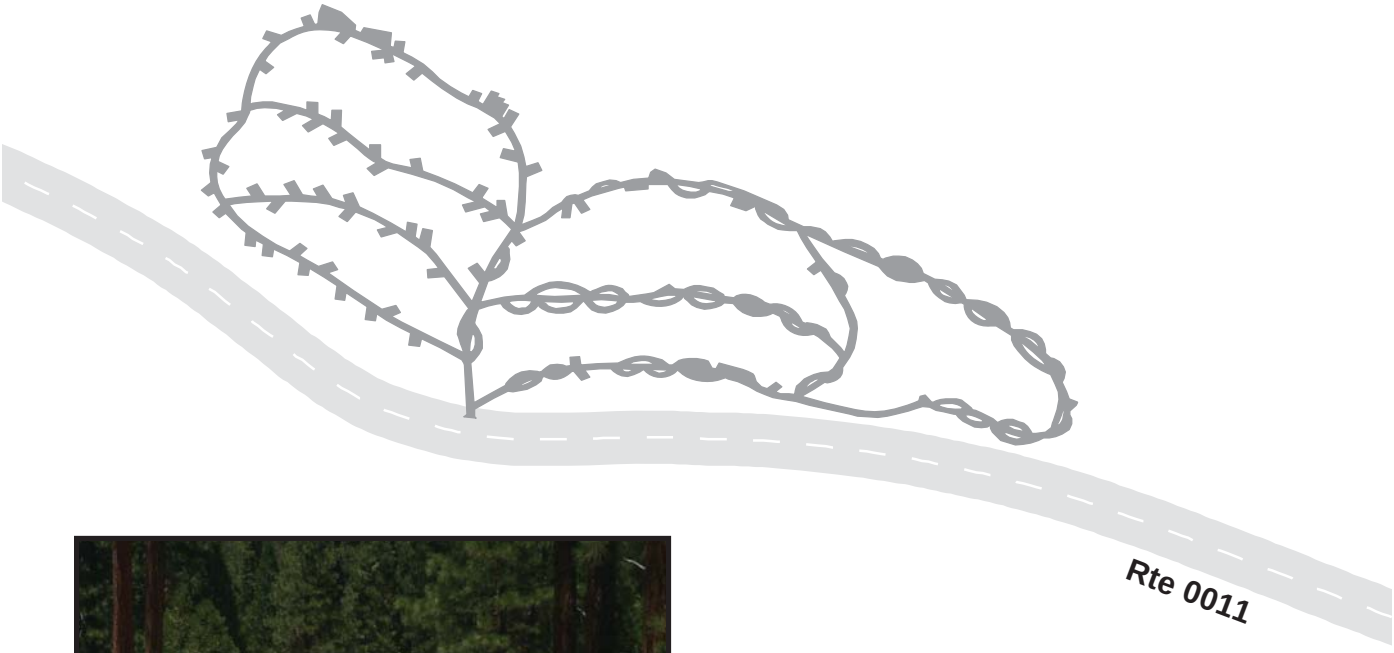
300 150 0 300
Feet

N

Kings Canyon National Park
Route 0209
Moraine Campground
From Route 0011 at MP 2.5 on Left

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0209	3.72	0.00	216229	3.72	POOR / 45	AS

* Lane miles are based on 11' lane widths



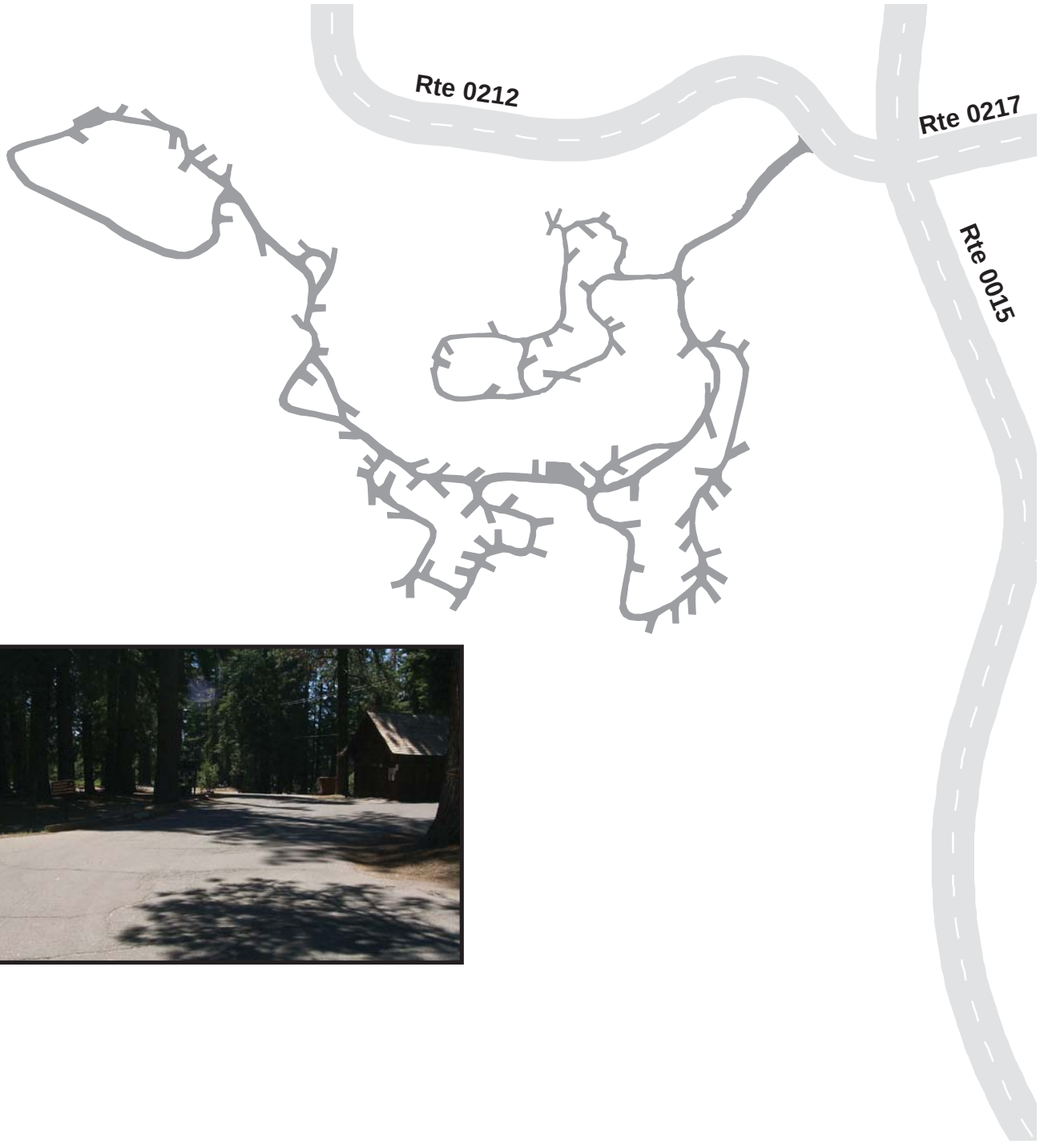
Kings Canyon National Park
Route 0216

Azalea Campground

From Route 0212 at MP 0.05 on Left

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0216	3.51	0.00	204181	3.52	FAIR / 73	AS

* Lane miles are based on 11' lane widths



Kings Canyon National Park
Route 0218
Crystal Springs Campground
From Route 0217

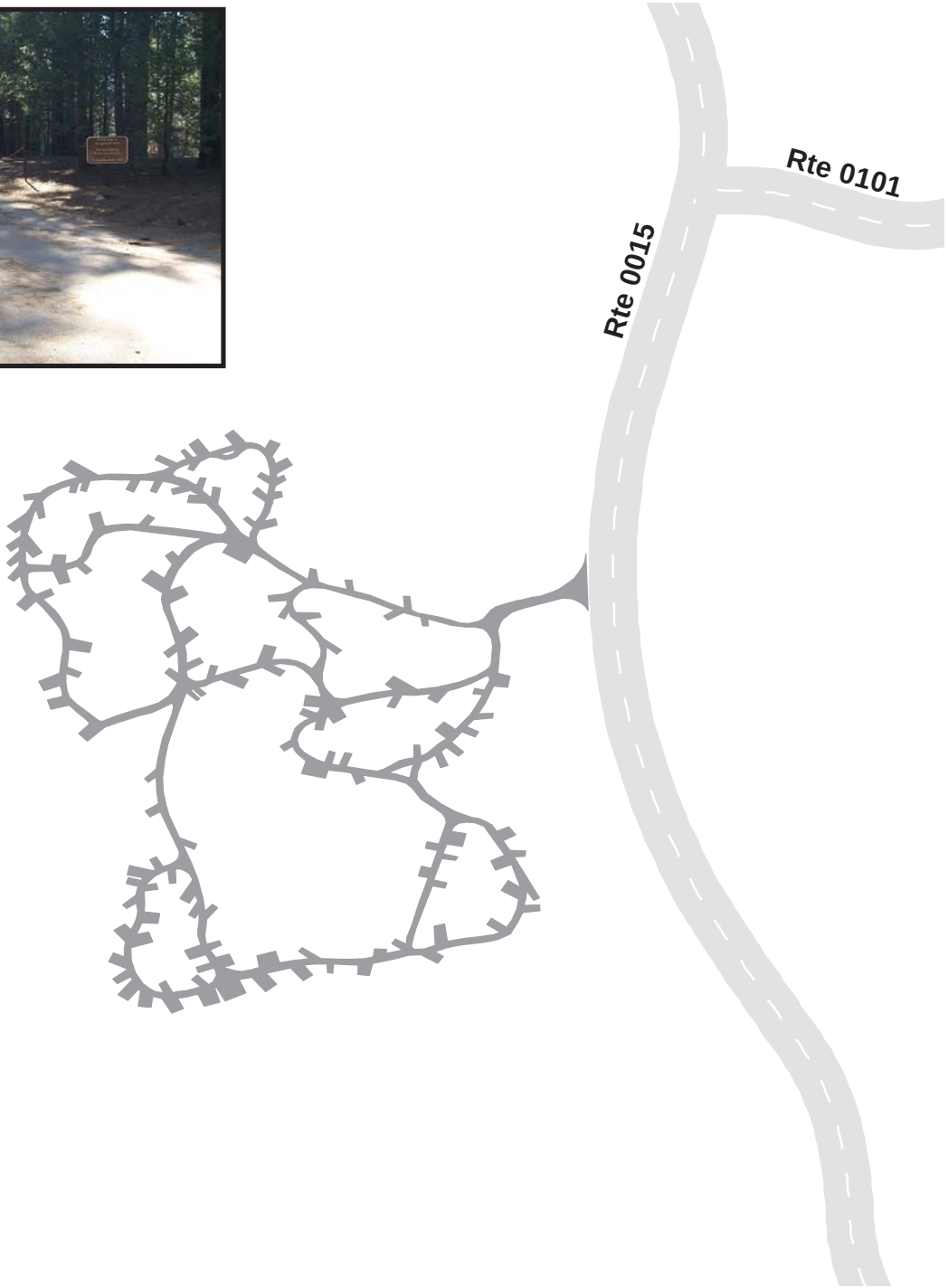
Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0218	1.87	0.00	149509	2.57	FAIR / 73	AS

* Lane miles are based on 11' lane widths

Kings Canyon National Park
Route 0220
Sunset Campground Road
From Route 0015 at MP 3.15 on Left

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0220	2.92	0.00	170076	2.93	FAIR / 73	AS

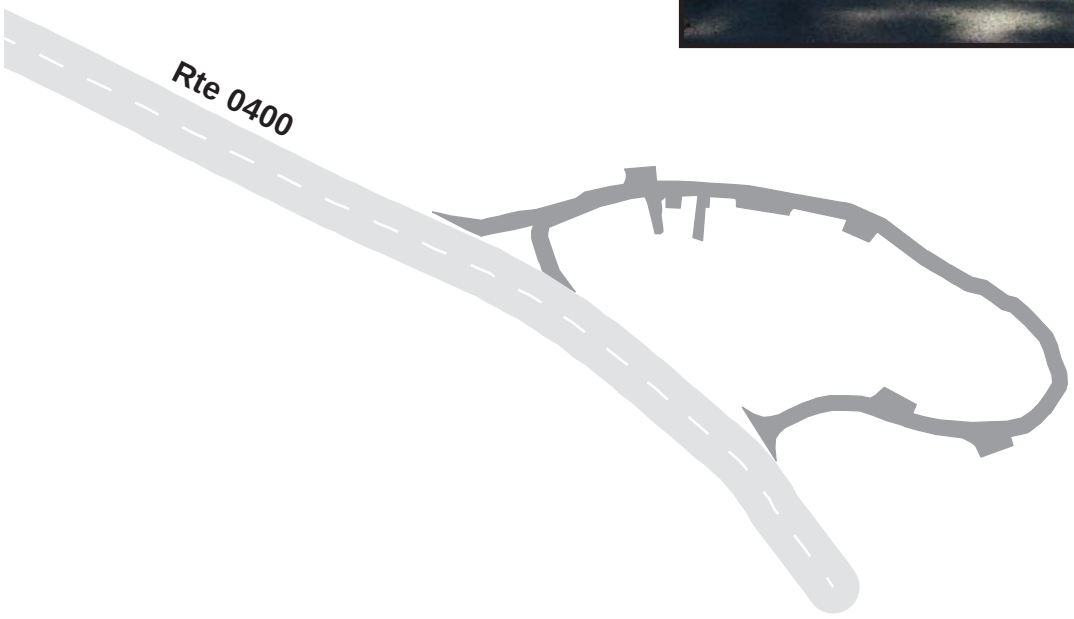
* Lane miles are based on 11' lane widths



Kings Canyon National Park
Route 0401
Cedar Grove Residence Loop
From Route 0400 at MP 0.6 on Left

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0401	0.51	0.00	36596	0.63	GOOD / 90	AS

* Lane miles are based on 11' lane widths



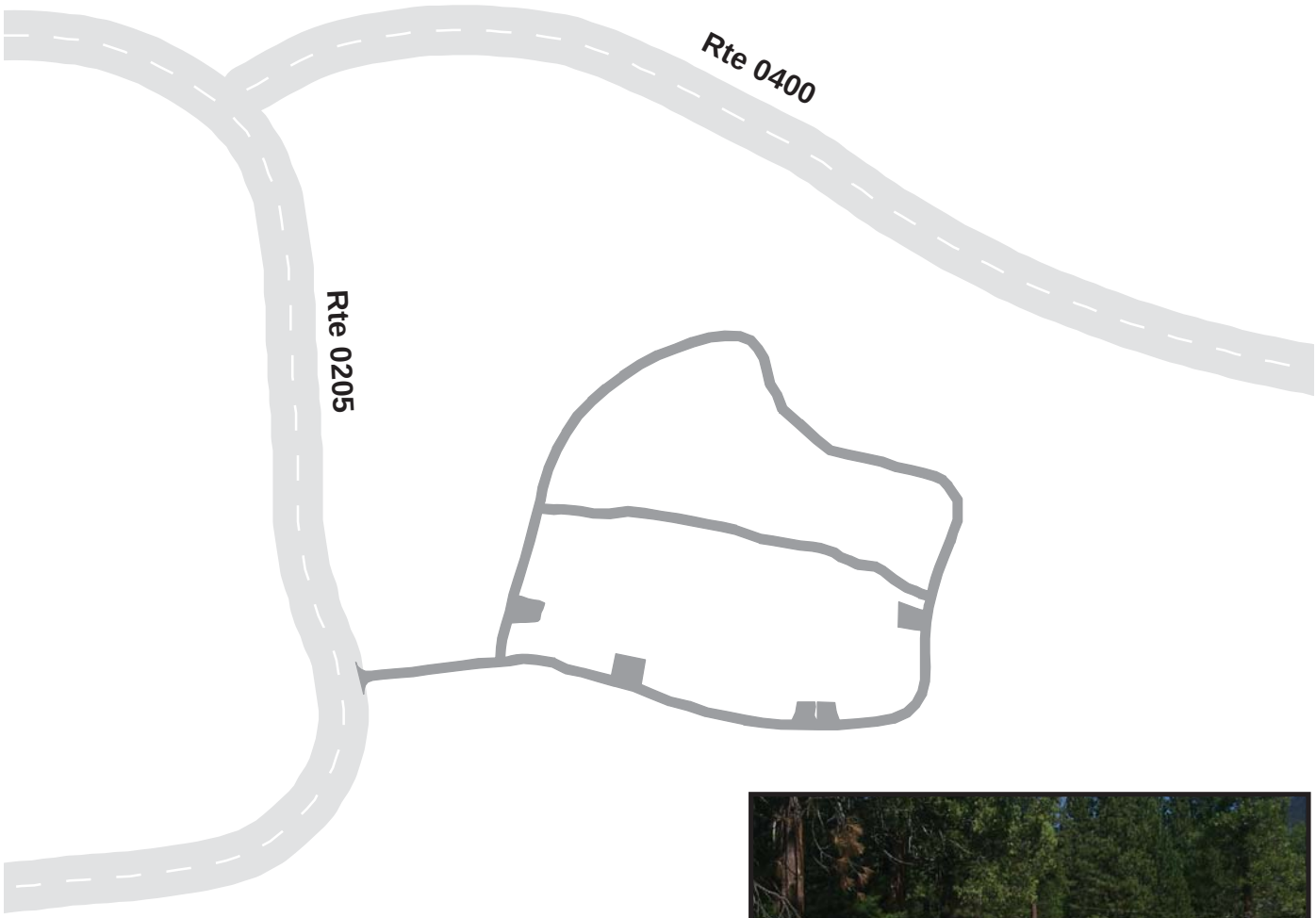
300 150 0 300
Feet

N

Kings Canyon National Park
Route 0402
Cedar Grove Village Residence Loop
From Route 0205 at MP 1.27 on Left

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0402	0.64	0.00	37363	0.64	FAIR / 73	AS

* Lane miles are based on 11' lane widths



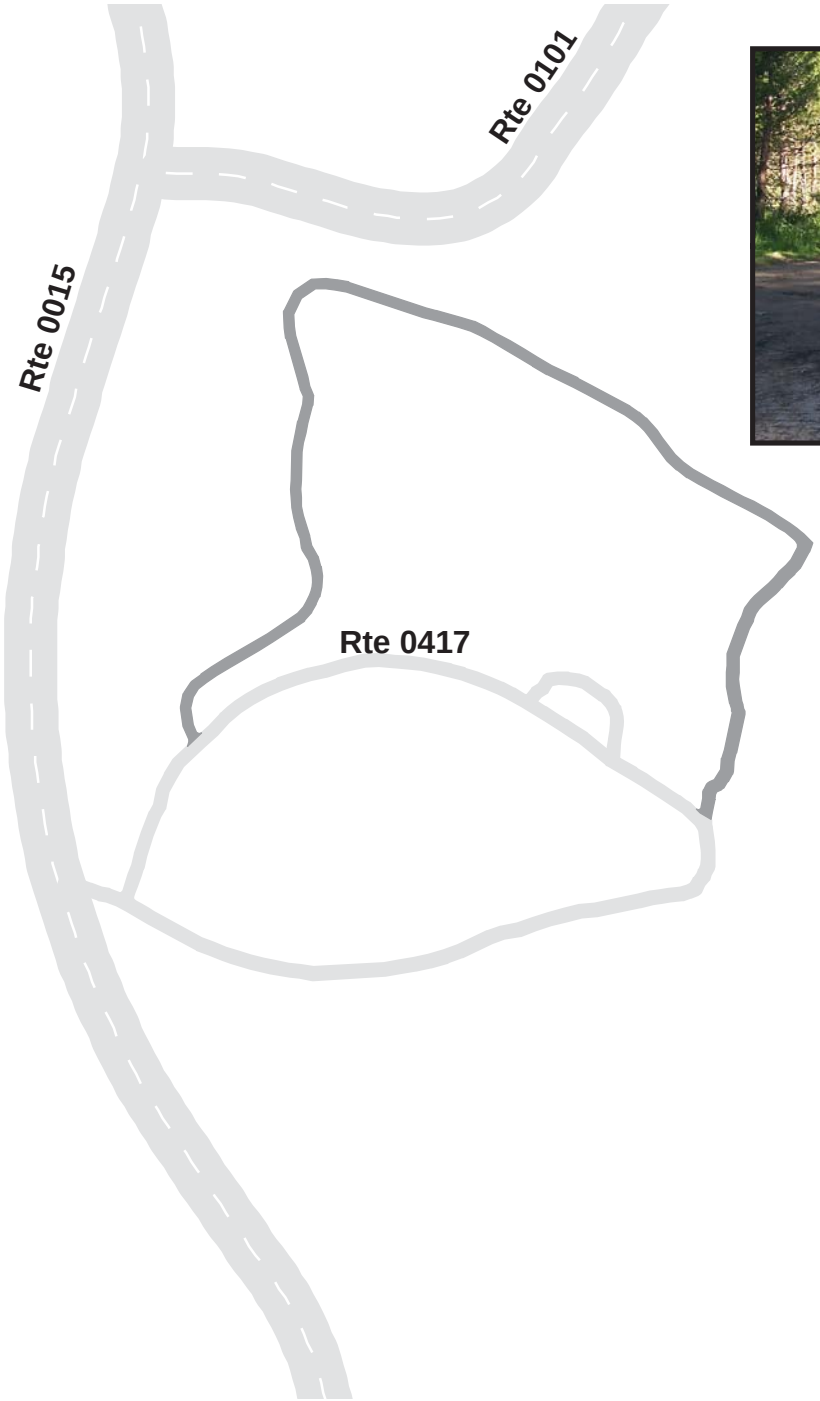
200 100 0 200
Feet

N

Kings Canyon National Park
Route 0411
Grant Grove Residence East Loop
From Route 0417

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0411	0.32	0.00	37949	0.65	FAIR / 73	AS

* Lane miles are based on 11' lane widths



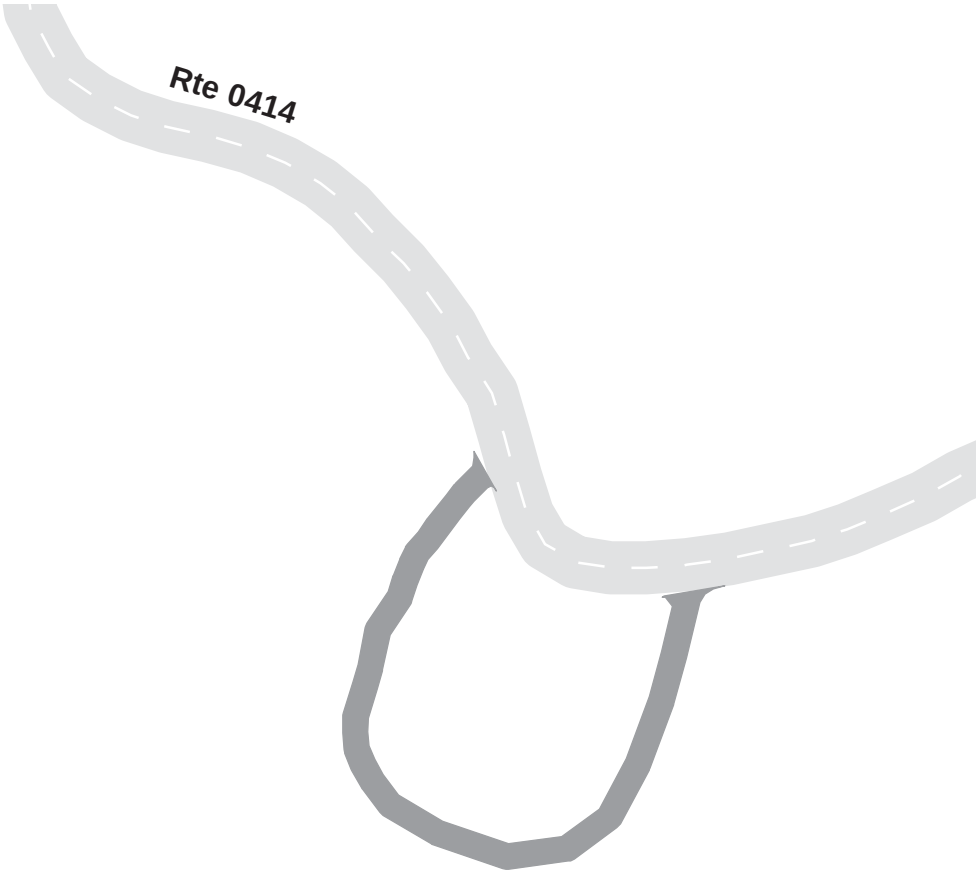
200 100 0 200
Feet

N

Kings Canyon National Park
Route 0414A
Swale Work Center Loop A
From Route 0414 at MP 0.45

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0414A	0.03	0.00	3934	0.07	NC / -1	AS

* Lane miles are based on 11' lane widths



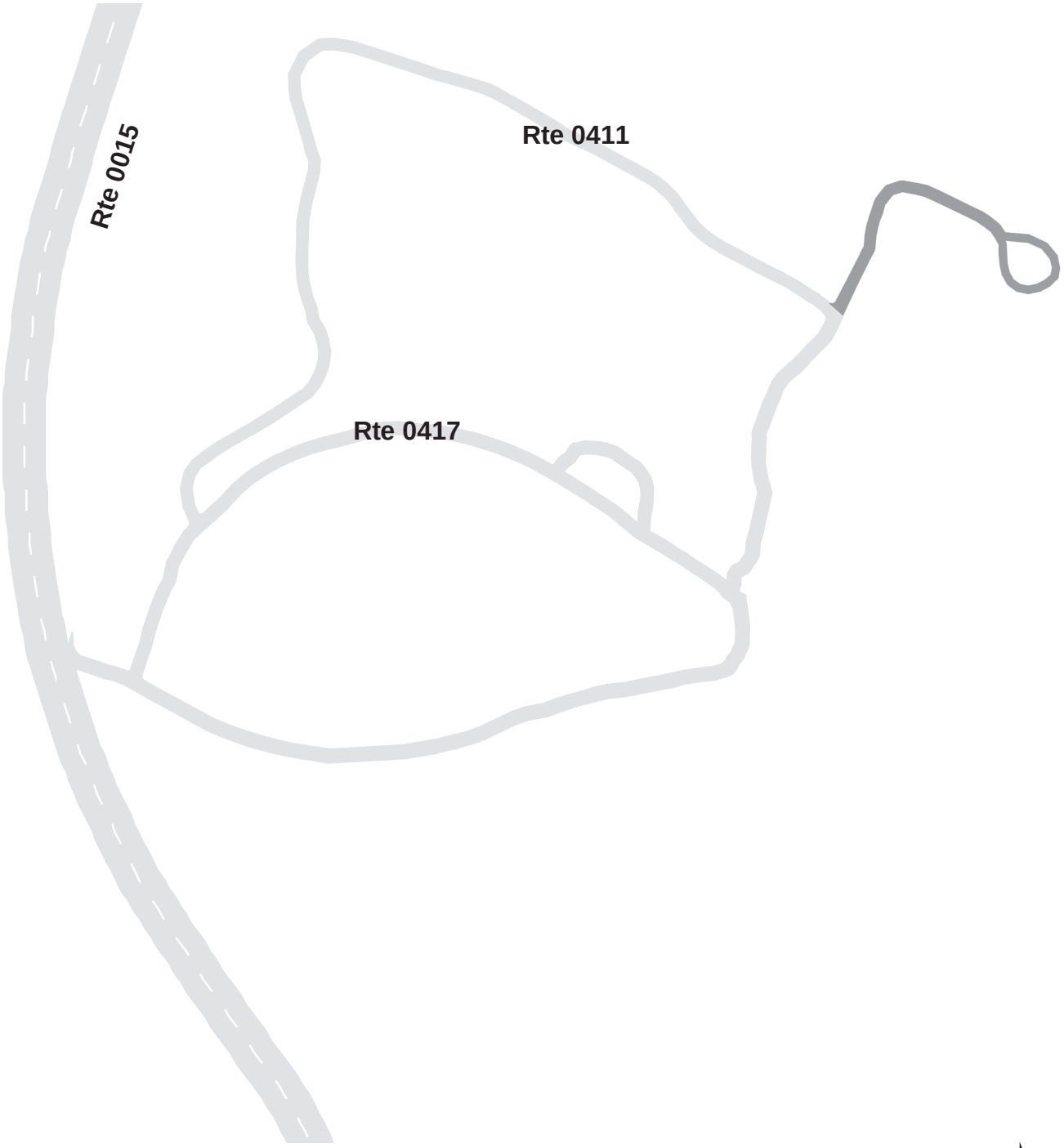
100 50 0 100
Feet

N

Kings Canyon National Park
Route 0415
Grant Grove Residence Upper Loop
From Route0411

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0415	0.08	0.00	9231	0.16	FAIR / 73	AS

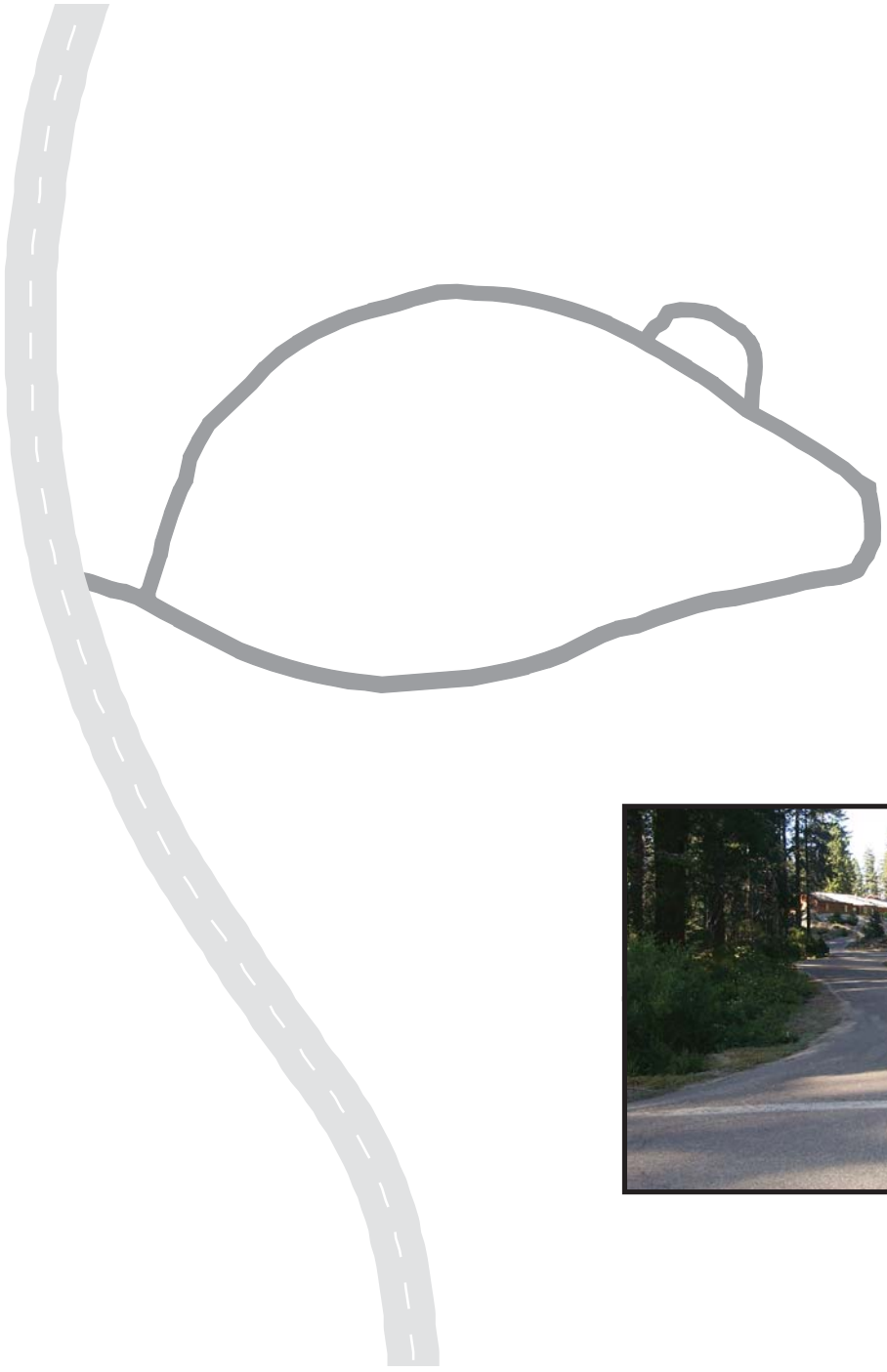
* Lane miles are based on 11' lane widths



Kings Canyon National Park
Route 0417
Grant Grove Residence Lower Loop
From Route 015 at MP 3.1 on Right

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0417	0.42	0.00	48935	0.84	POOR / 45	AS

* Lane miles are based on 11' lane widths



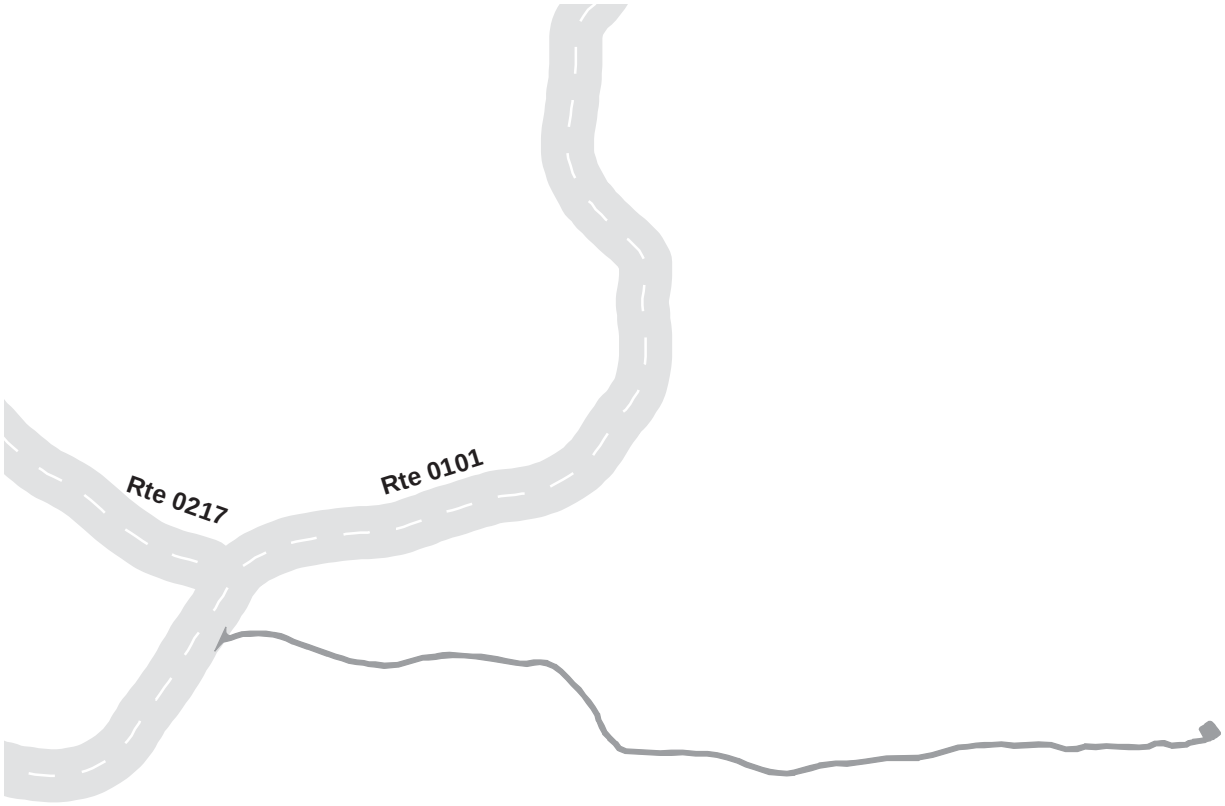
300 150 0 300
Feet

N

Kings Canyon National Park
Route 0418
Grant Grove Water Tower Access Road
From Route 0101 at MP 0.17 on Right

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0418	0.23	0.00	26847	0.46	FAIR / 73	AS

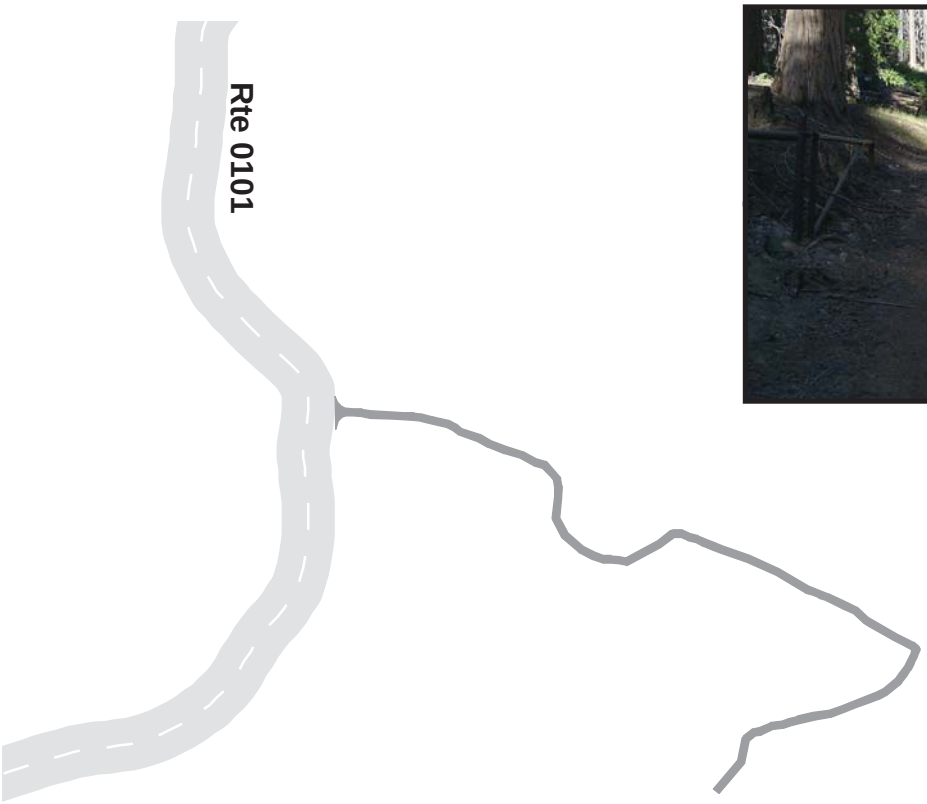
* Lane miles are based on 11' lane widths



Kings Canyon National Park
Route 0419
Trailer Residence Road
From Route 0101

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0419	0.26	0.00	15235	0.26	POOR / 45	AS

* Lane miles are based on 11' lane widths



300 150 0 300
Feet

N

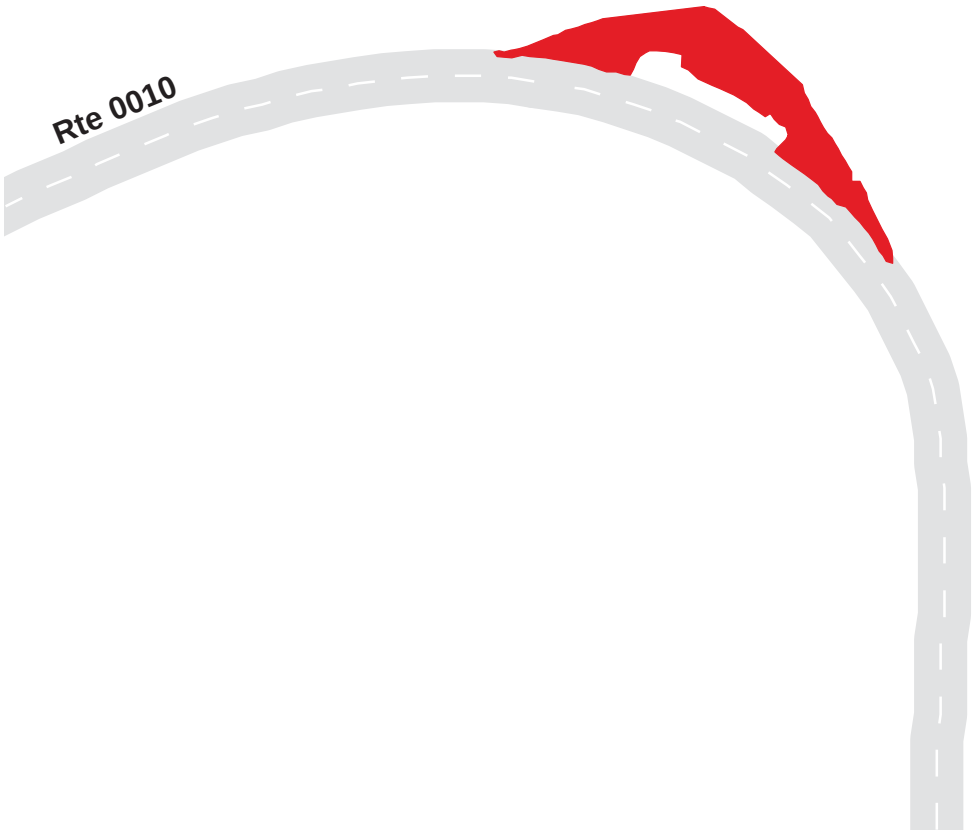
Kings Canyon National Park
Route 0901

Kings Canyon Overlook

Adjacent to Route 0010 at MP 8.5 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	Public	6/25/2002	8101	0.14	AS	FAIR / 73

* Lane miles are based on 11' lane widths



100 50 0 100

Feet

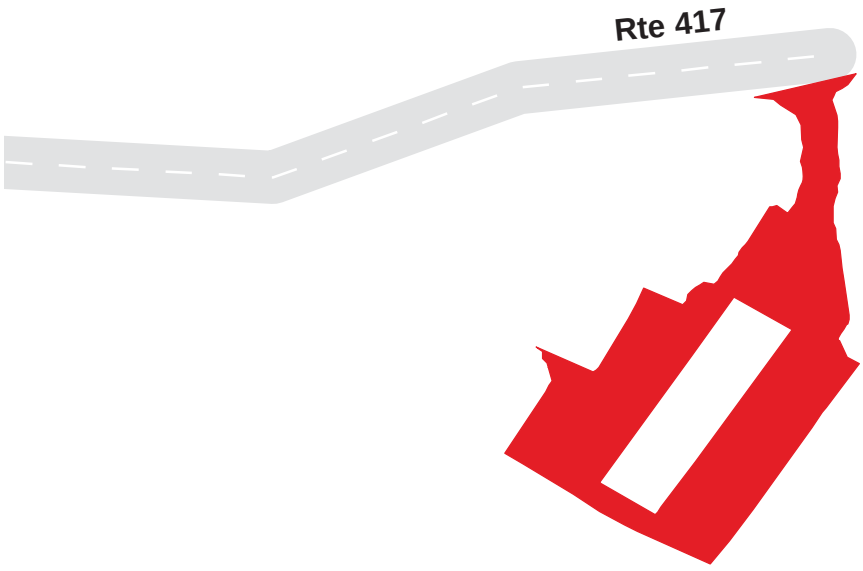
N

Kings Canyon National Park
Route 0902

Grant Grove Maintenance Area
Adjacent to Route 0417

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902	NonPublic	6/25/2002	38120	0.66	AS	FAIR / 73

* Lane miles are based on 11' lane widths



150 75 0 150
Feet

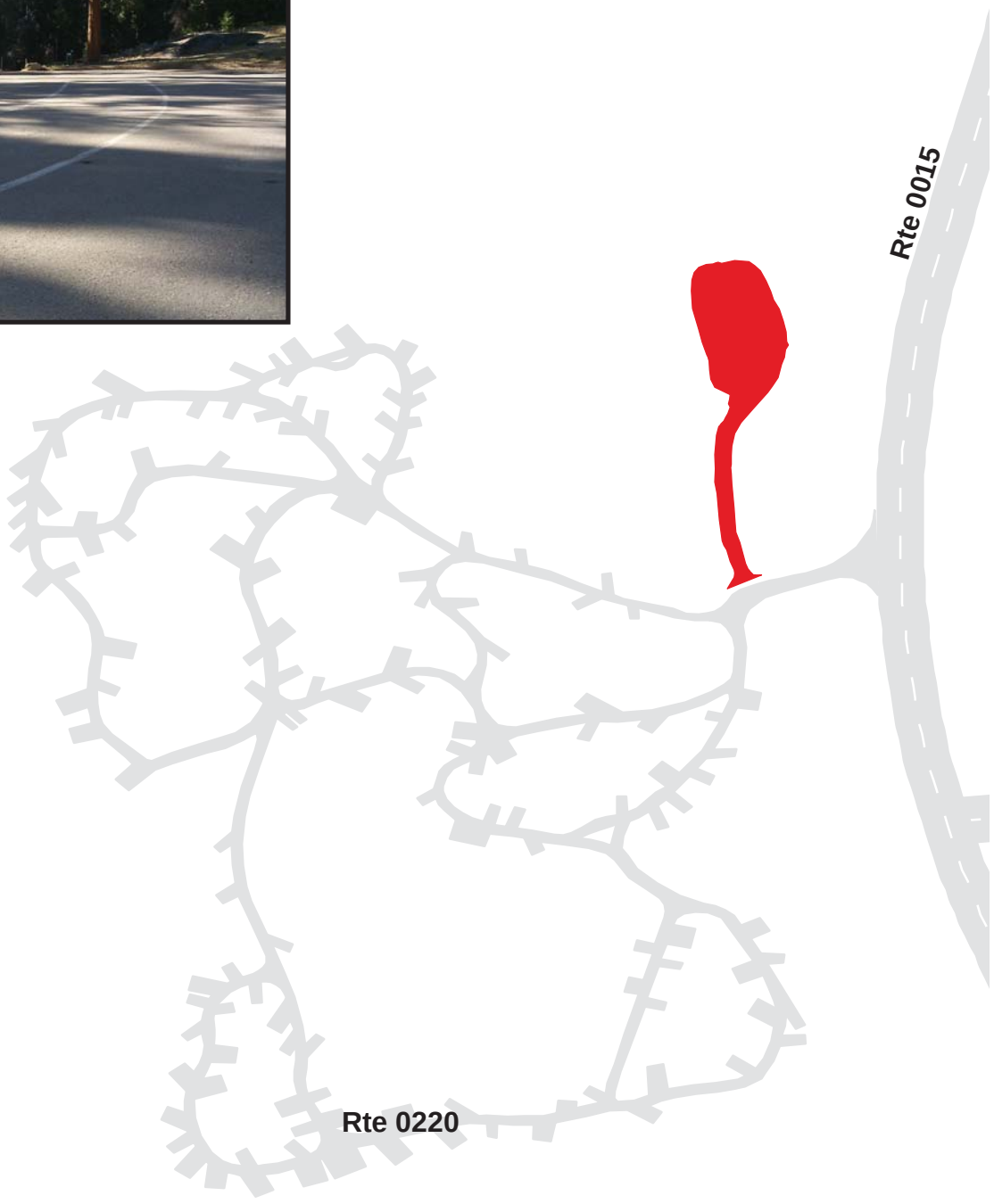
N

Kings Canyon National Park
Route 0903

Sunset Amphitheater Parking
Adjacent to Route 0220

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903	Public	6/25/2002	24961	0.43	AS	GOOD / 90

* Lane miles are based on 11' lane widths

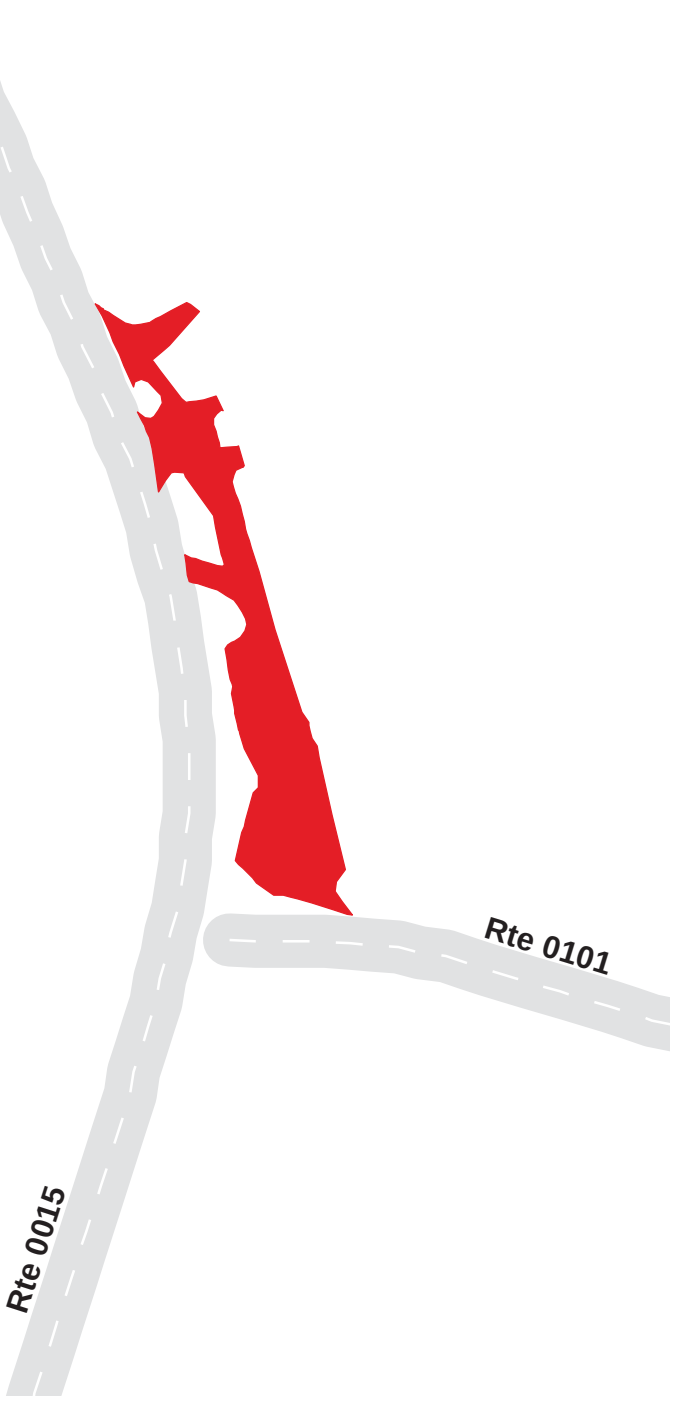


Kings Canyon National Park
Route 0904

Grant Grove Concession Parking
Adjacent to Route 0015 at MP 3.4 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904	Public	6/25/2002	16454	0.28	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Kings Canyon National Park
Route 0905
Grant Grove Concession Service Access
From Route 0904

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905	NonPublic	6/25/2002	8267	0.14	AS	FAIR / 73

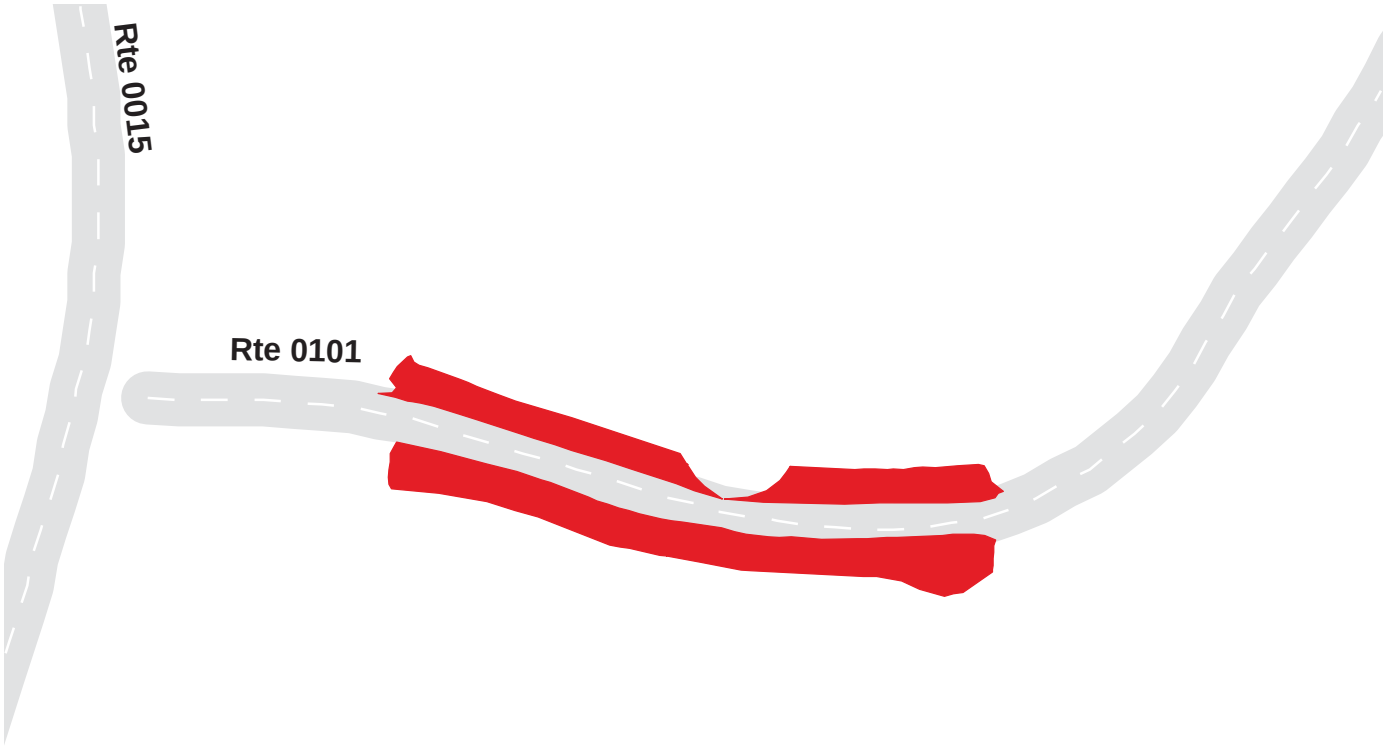
* Lane miles are based on 11' lane widths

Kings Canyon National Park
Route 0906

Grant Grove Visitor Center Parking
Adjacent to Route 0101 at MP 0.05 on Left and Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	Public	6/25/2002	13204	0.23	AS	FAIR / 73

* Lane miles are based on 11' lane widths



100 50 0 100
Feet

N

Kings Canyon National Park
Route 0907

Manzanita Trail Parking

Adjacent to Route 0101 at MP 0.1 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907	Public	6/25/2002	6327	0.11	AS	FAIR / 73

* Lane miles are based on 11' lane widths

100 50 0 100

Feet

N

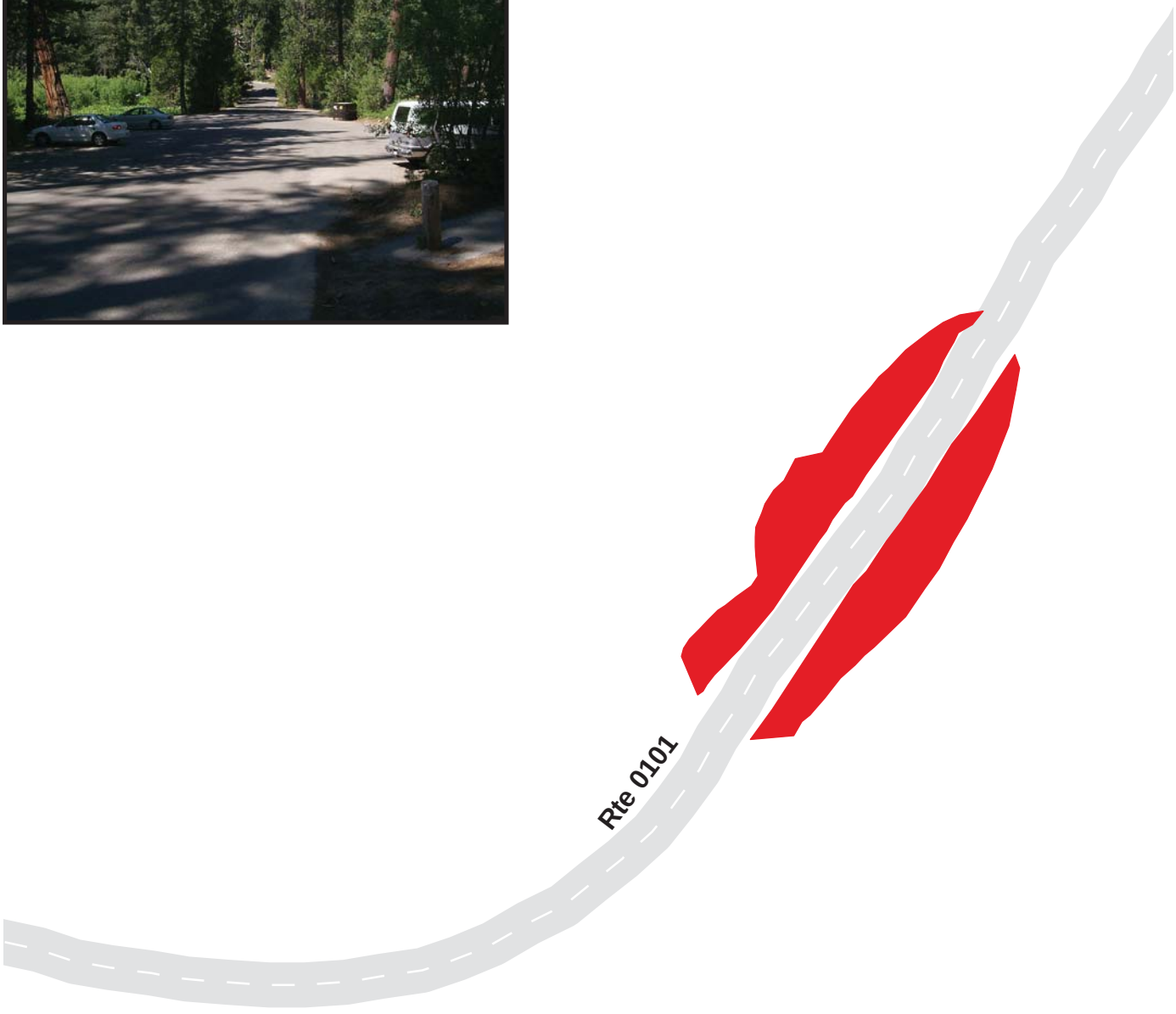
Kings Canyon National Park
Route 0908

Grant Grove Village Parking

Adjacent to Route 0101 at MP 0.15 on Left and Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0908	Public	6/25/2002	7280	0.13	AS	FAIR / 73

* Lane miles are based on 11' lane widths



100 50 0 100 Feet

N

Kings Canyon National Park
Route 0909

John Muir Lodge Parking
Adjacent to Route 101 at MP 0.2

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0909	Public	6/25/2002	21653	0.37	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths

150 75 0 150
Feet

N

Kings Canyon National Park
Route 0910
Meadow Camp Cabins Road
Adjacent to Route 0217 at MP 0.20

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0910	Public	6/25/2002	9251	0.16	AS	FAIR / 73

* Lane miles are based on 11' lane widths

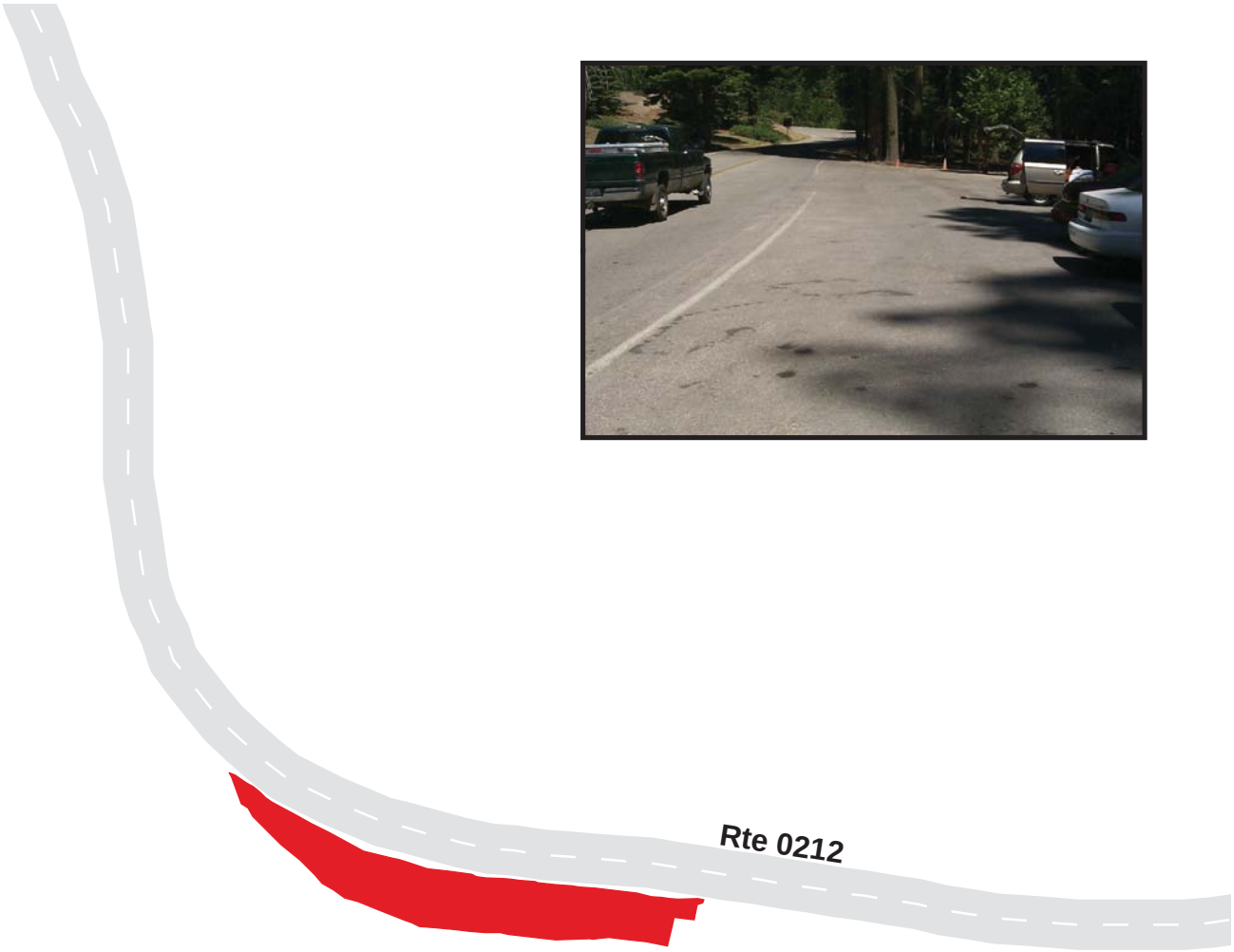
Kings Canyon National Park
Route 0911

Columbine Picnic Parking

Adjacent to Route 0212 at MP 0.24 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0911	Public	6/25/2002	8286	0.14	AS	FAIR / 73

* Lane miles are based on 11' lane widths



150 75 0 150

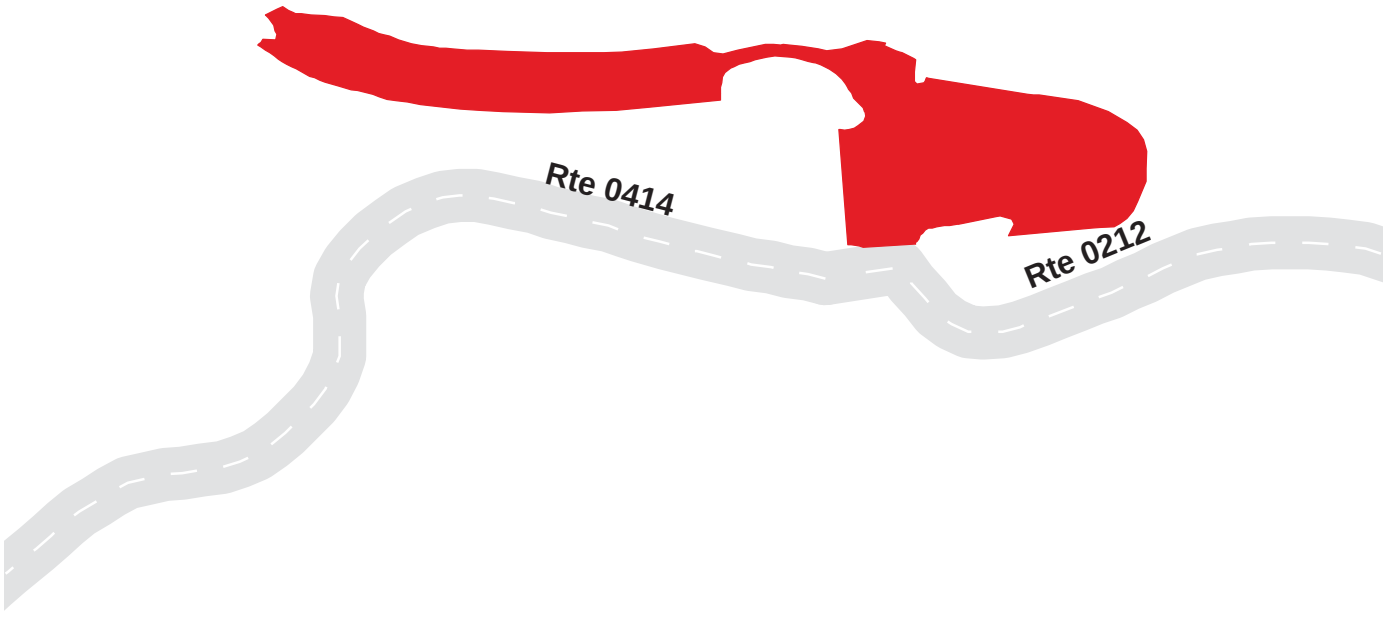
Feet

N

Kings Canyon National Park
Route 0912
Grant Tree Parking
At End of Route 0212

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0912	Public	6/25/2002	54539	0.94	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



200 100 0 200
Feet

N

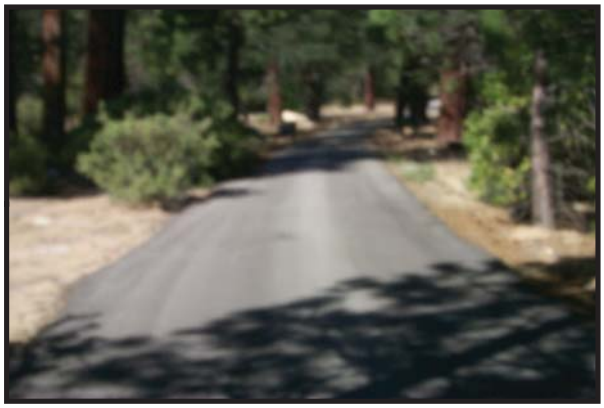
7-12

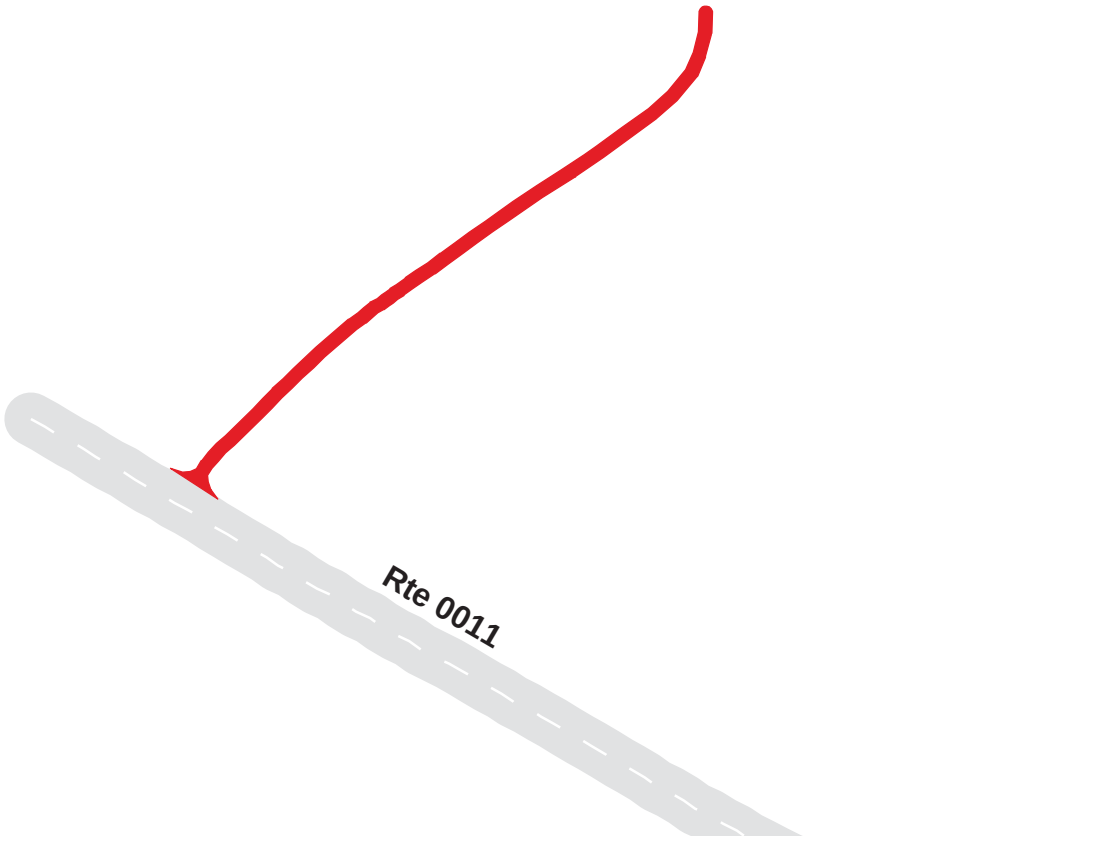
Kings Canyon National Park
Route 0913

Cedar Grove Waste Water Treatment Facility Access
Adjacent to Route 0011 at MP 0.03 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	NonPublic	6/25/2002	11326	0.20	AS	GOOD / 90

* Lane miles are based on 11' lane widths



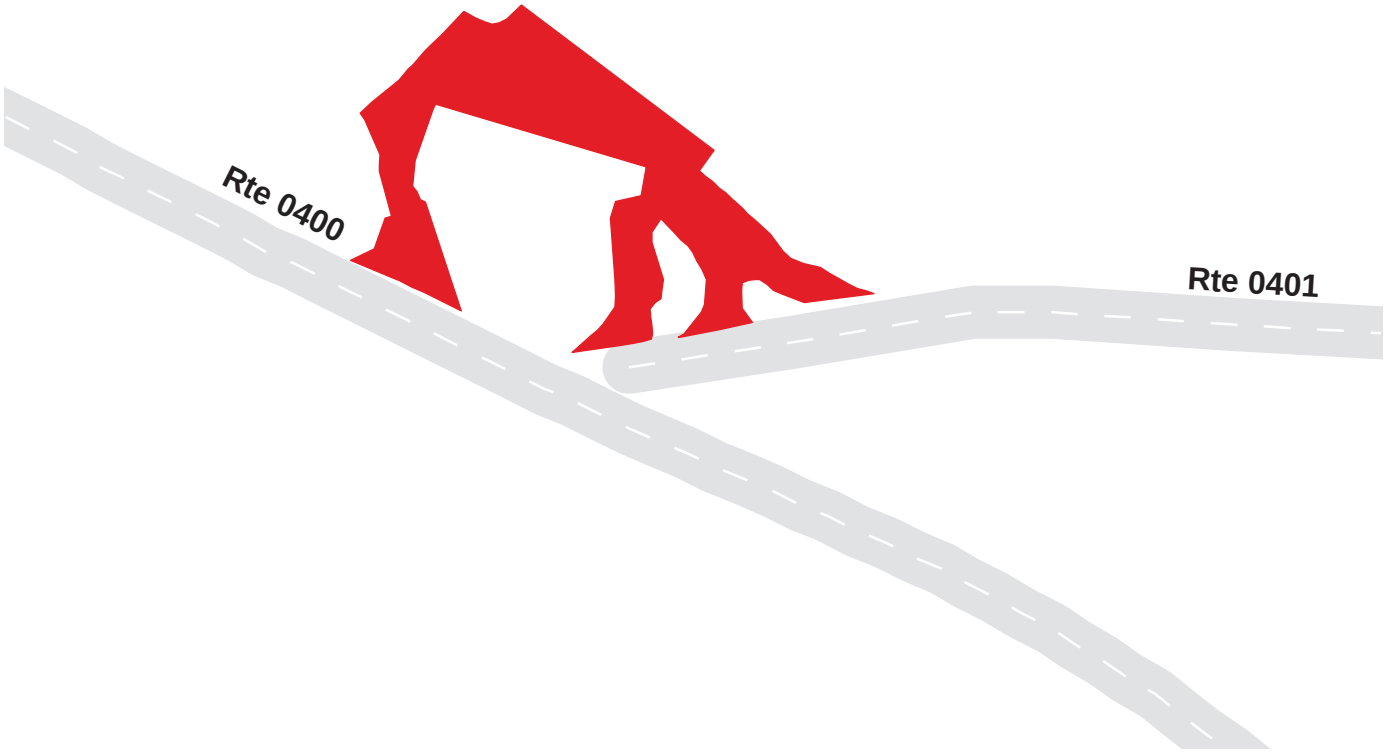


Kings Canyon National Park
Route 0914

Cedar Grove Maintenance Area
From Route 0401 at MP 0.58

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	NonPublic	6/25/2002	15450	0.27	AS	FAIR / 73

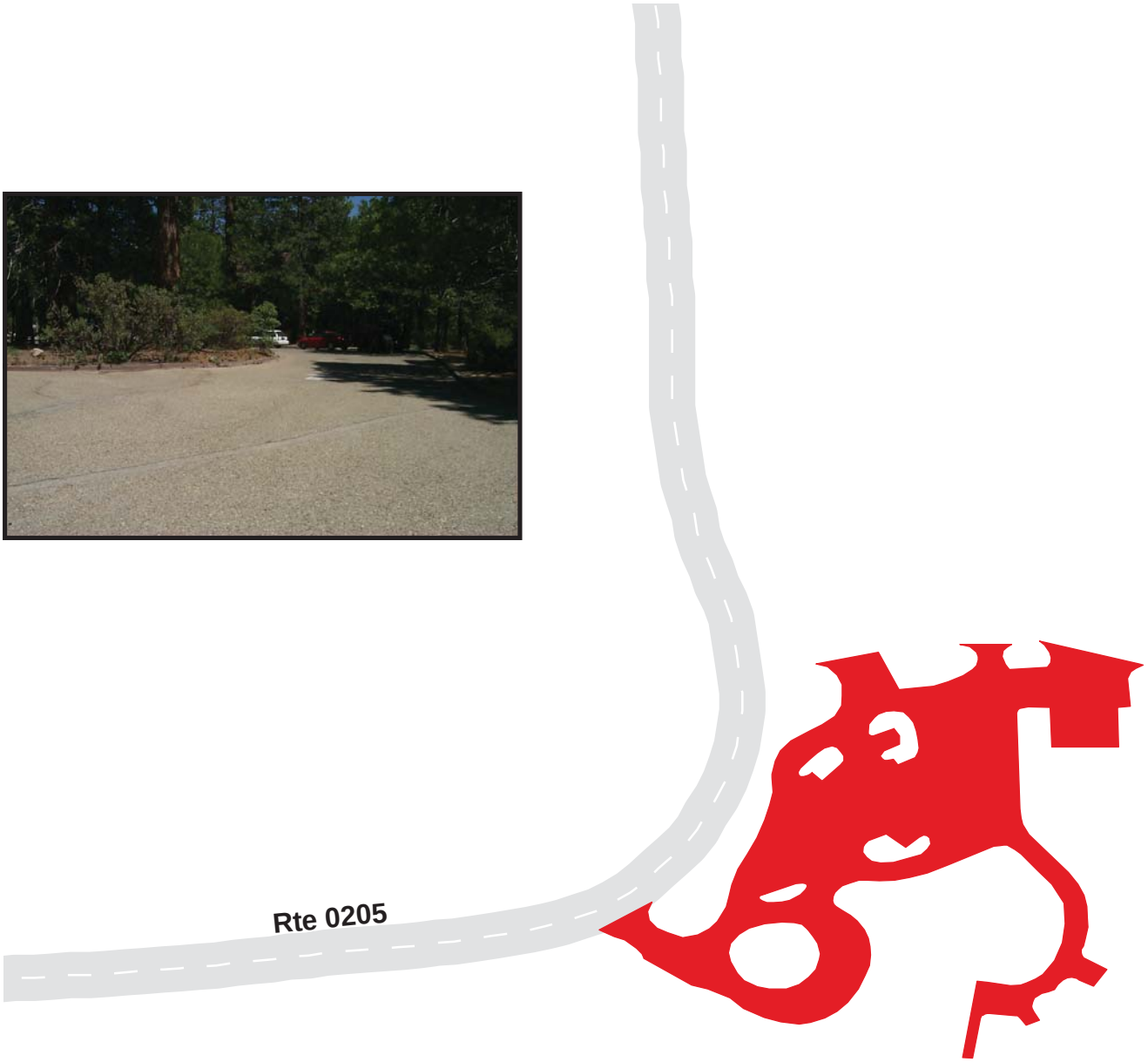
* Lane miles are based on 11' lane widths



Kings Canyon National Park
Route 0916
Cedar Grove Village Parking
Adjacent to Route 0205 at MP 1.3 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916	Public	2/17/2004	60236	1.04	AS	FAIR / 73

* Lane miles are based on 11' lane widths



200 100 0 200
Feet

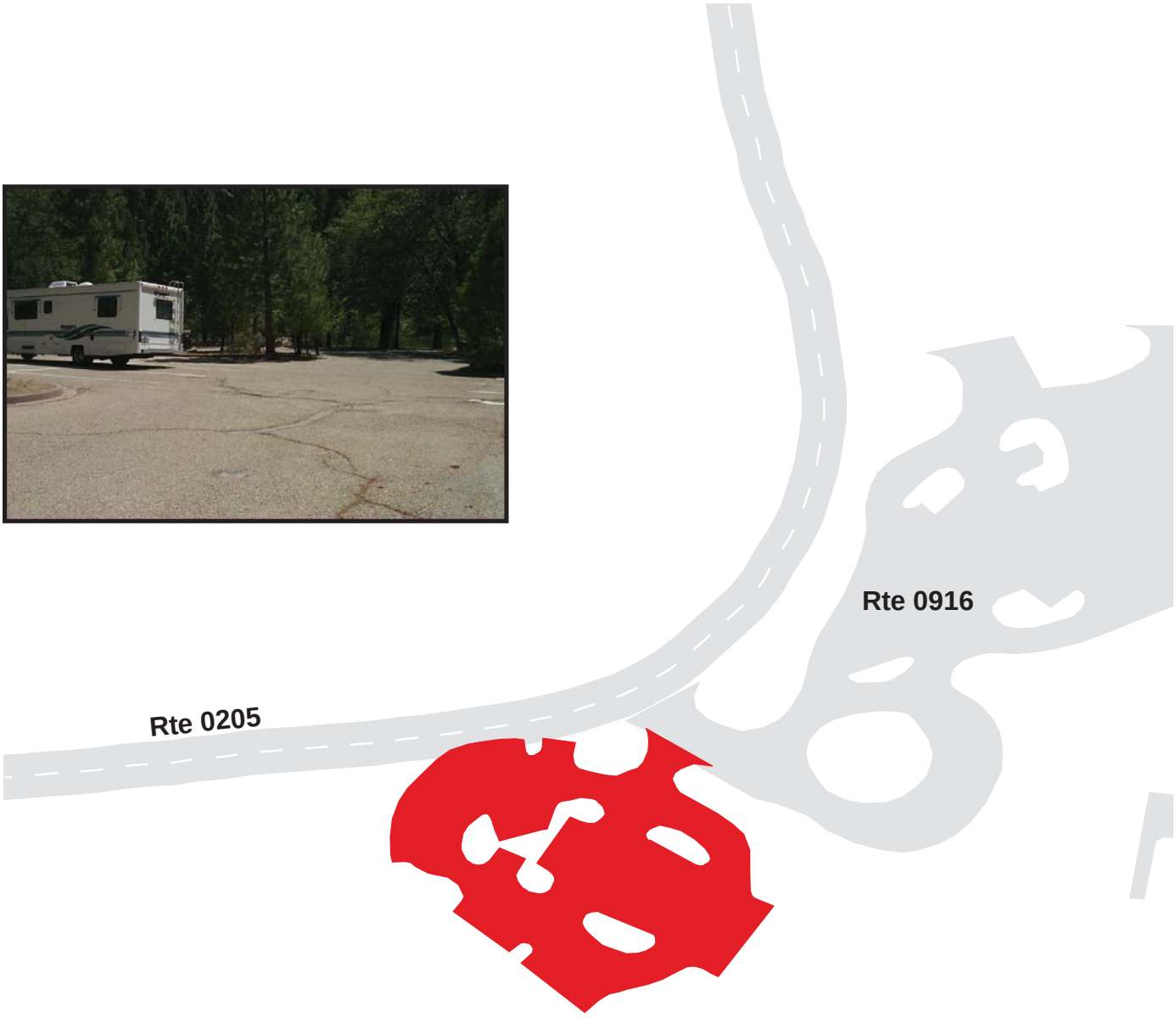
N

Kings Canyon National Park
Route 0917

Cedar Grove Village Picnic Parking
Adjacent to Route 0916

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0917	Public	2/17/2004	24265	0.42	AS	FAIR / 73

* Lane miles are based on 11' lane widths



150 75 0 150
Feet

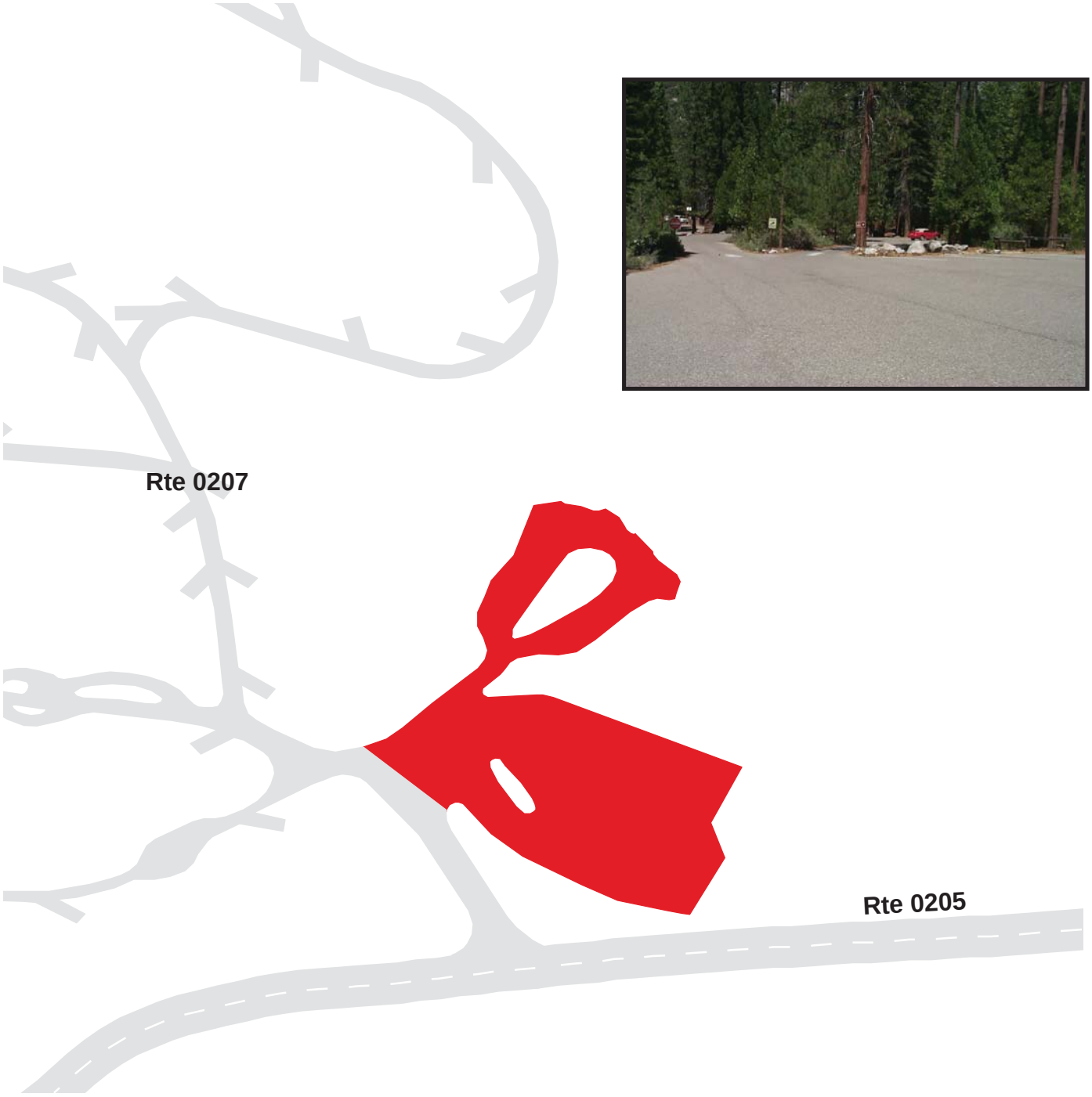
N

Kings Canyon National Park
Route 0918

Cedar Grove Visitor Center Parking
Adjacent to Route 0207

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0918	Public	2/17/2004	43708	0.75	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Kings Canyon National Park
Route 0919

Cedar Grove Visitor Center Service Loop
Adjacent to Route 0918 behind Visitor Center

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	NonPublic	2/17/2004	3080	0.05	AS	FAIR / 73

* Lane miles are based on 11' lane widths

100 50 0 100 Feet

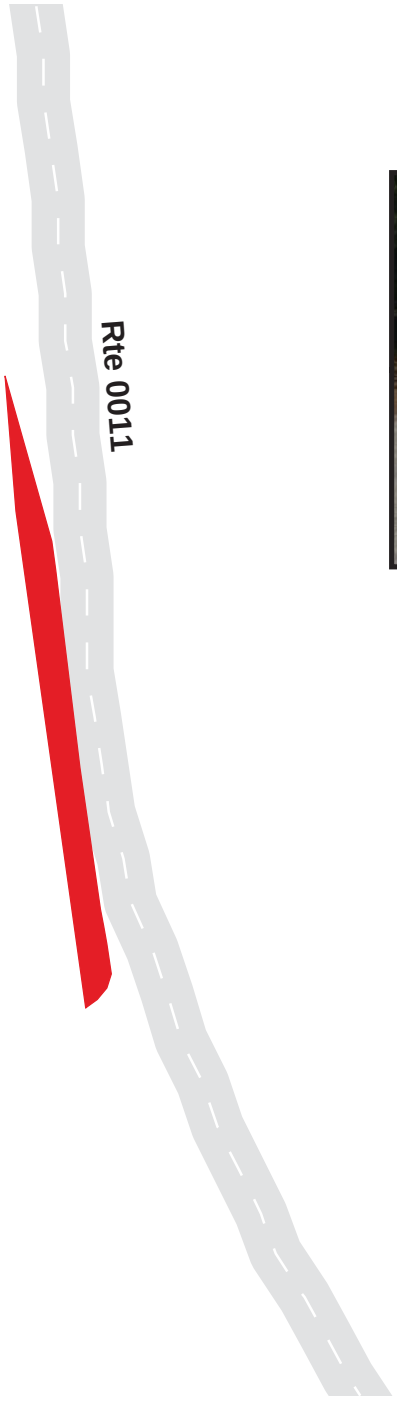
N

Kings Canyon National Park
Route 0920

Route 0011 Turnout at MP 0.88
Adjacent to Route 0011 at MP 0.8 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	Public	6/25/2002	1900	0.03	AS	POOR / 45

* Lane miles are based on 11' lane widths



100 50 0 100
Feet

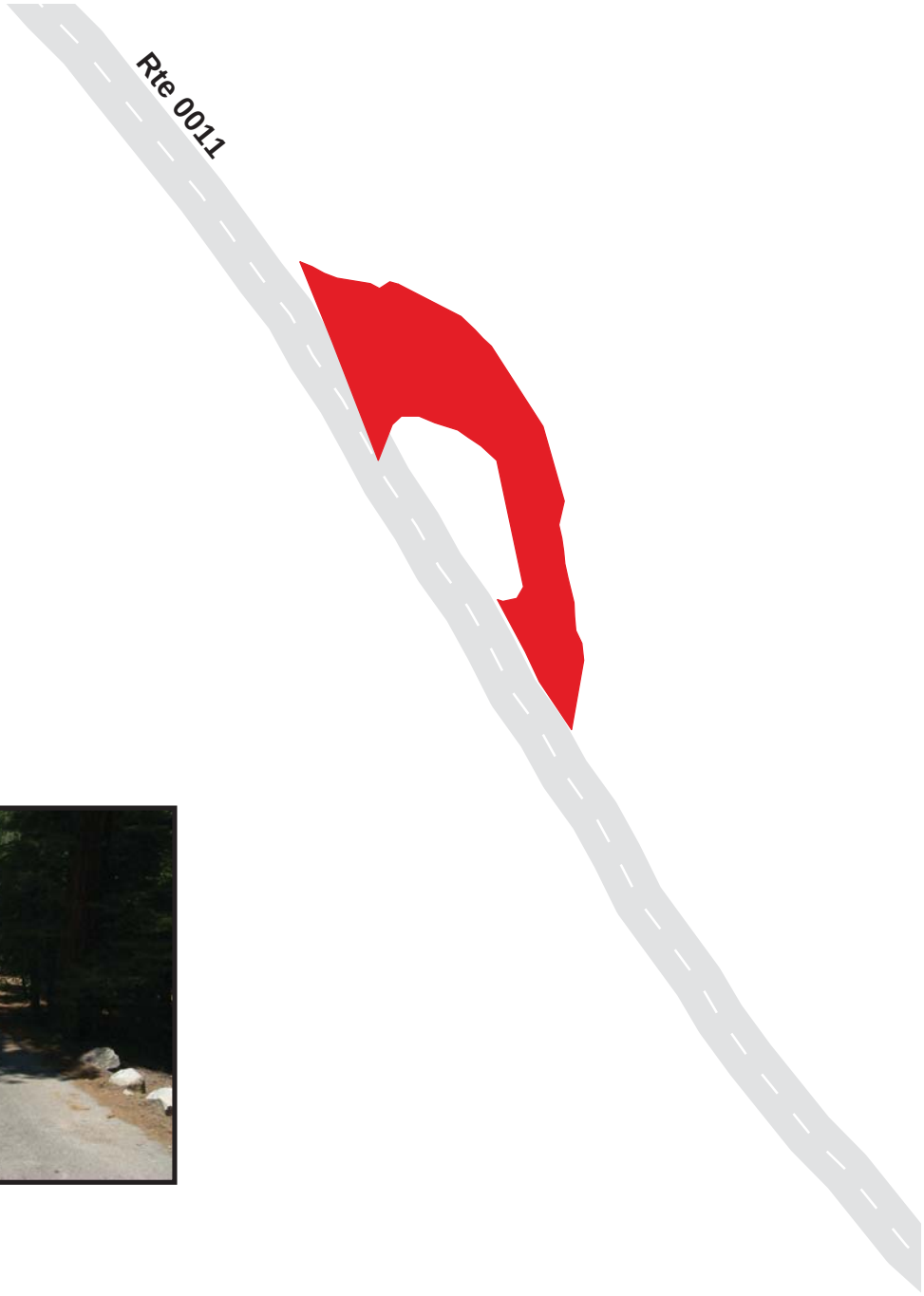
N

Kings Canyon National Park
Route 0921

Sheep Creek Dump Station
Adjacent to Route 0011 at MP 1.2 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	6/25/2002	4244	0.07	AS	FAIR / 73

* Lane miles are based on 11' lane widths



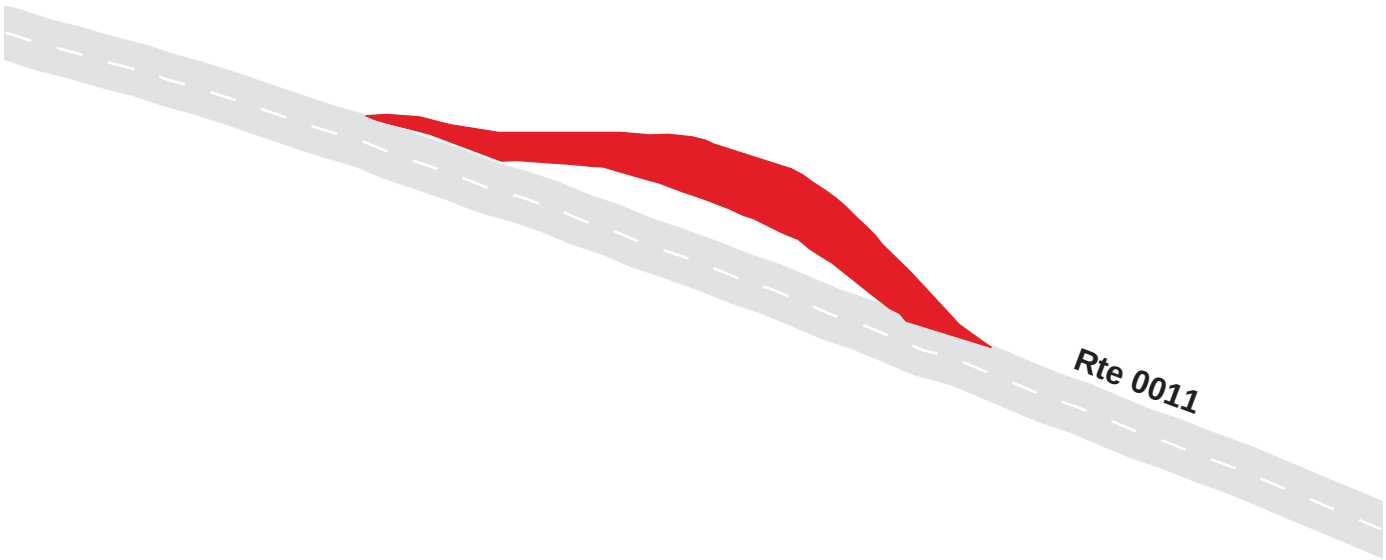
Kings Canyon National Park
Route 0922

Canyon View Parking

Adjacent to Route 0011 at MP 2.8 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0922	Public	6/25/2002	5986	0.10	AS	FAIR / 73

* Lane miles are based on 11' lane widths



100 50 0 100

Feet

N

Kings Canyon National Park
Route 0923

Knapp's Cabin Parking

Adjacent to Route 011 at MP 3.9 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0923	Public	6/25/2002	8574	0.15	AS	FAIR / 73

* Lane miles are based on 11' lane widths

150 75 0 150

Feet

N

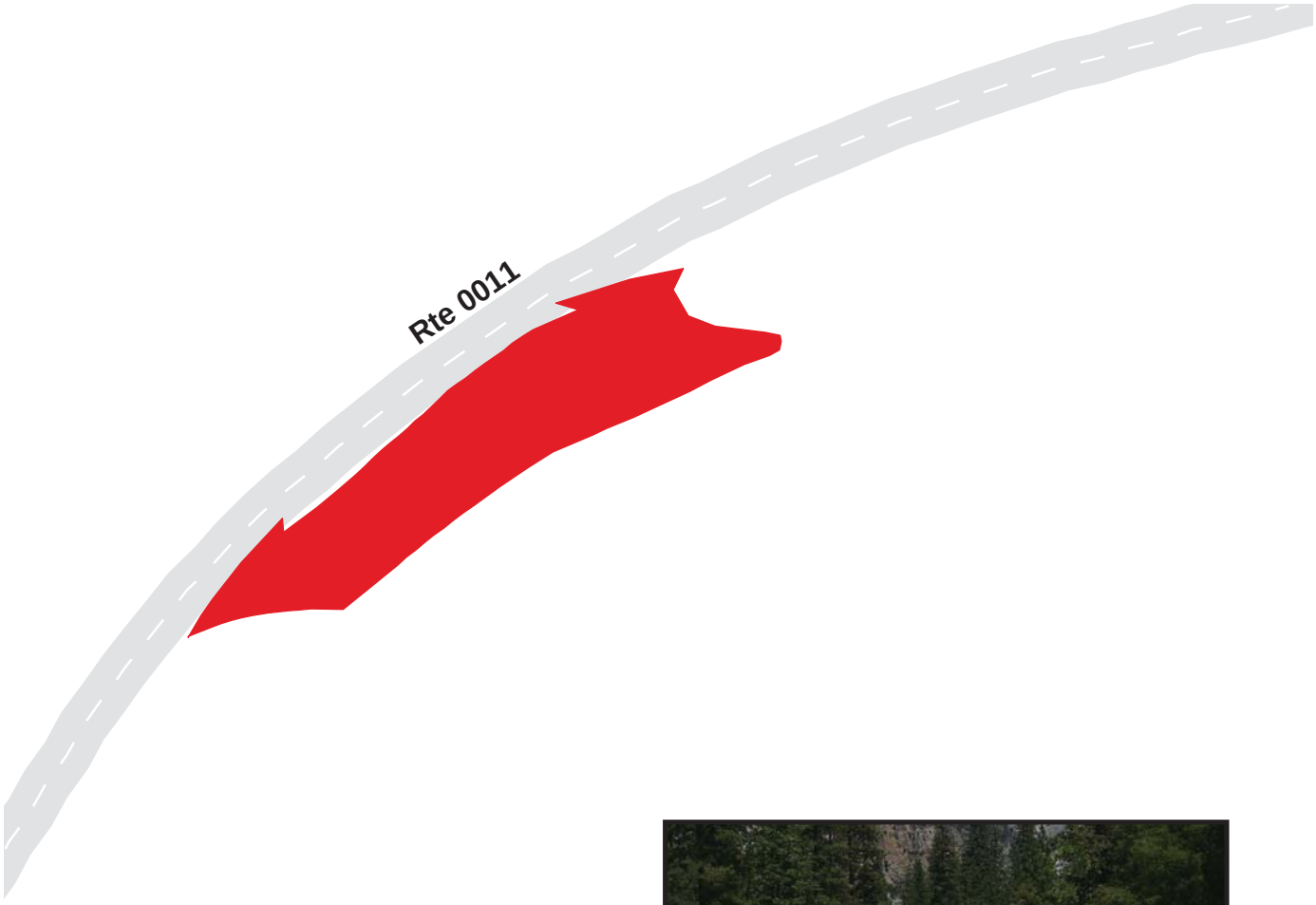
Kings Canyon National Park
Route 0924

Roaring River Falls Parking

Adjacent to Route 0011 at MP 4.8 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924	Public	6/25/2002	13615	0.23	AS	FAIR / 73

* Lane miles are based on 11' lane widths

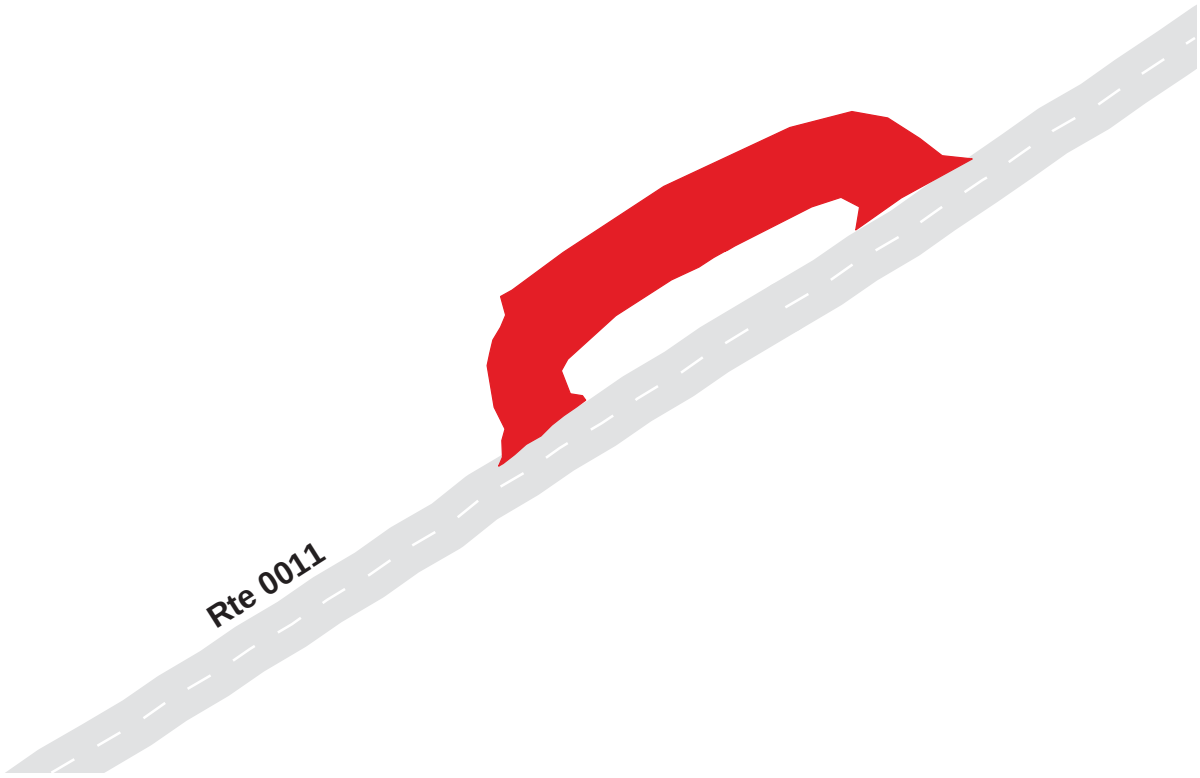


Kings Canyon National Park
Route 0925

Route 0011 Turnout at MP 5.00
Adjacent to Route 0011 at MP 4.75 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0925	Public	6/25/2002	5694	0.10	AS	POOR / 45

* Lane miles are based on 11' lane widths

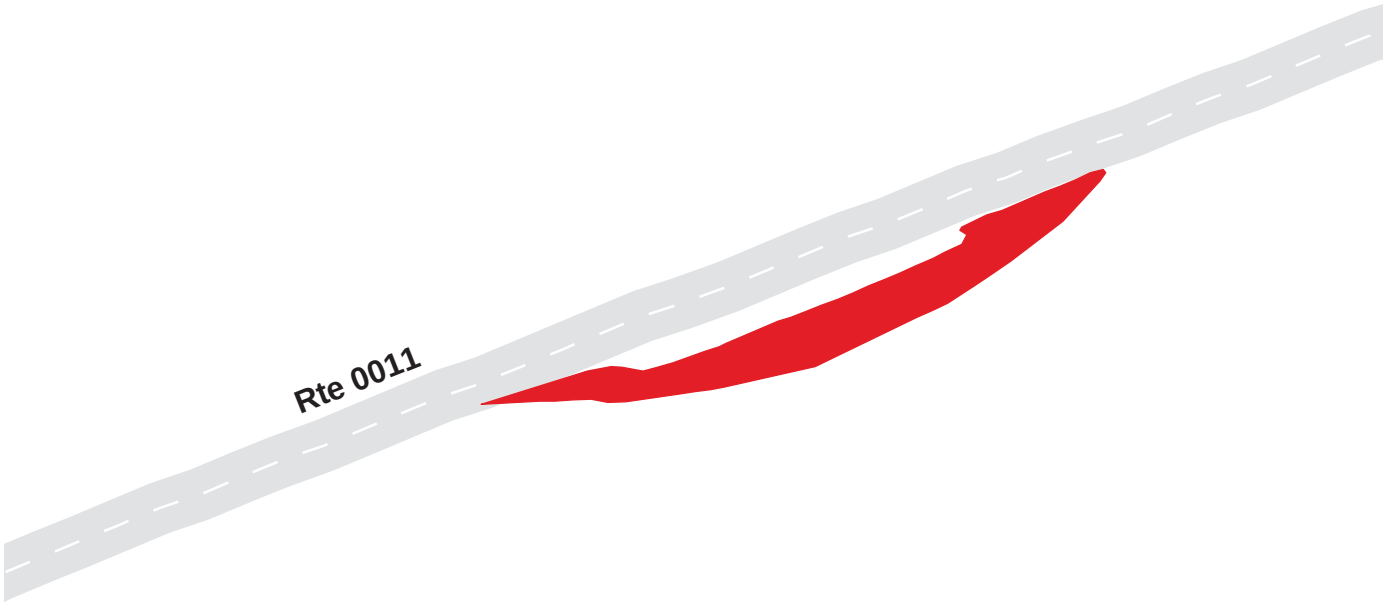


Kings Canyon National Park
Route 0926

Route 0011 Turnout at MP 5.36
Adjacent to Route 0011 at MP 5.4 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0926	Public	6/25/2002	3548	0.06	AS	POOR / 45

* Lane miles are based on 11' lane widths



100 50 0 100
Feet

N

Kings Canyon National Park
Route 0927

Zumwalt Meadow Parking

Adjacent to Route 0011 at MP 6.3 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927	Public	6/25/2002	17661	0.30	AS	FAIR / 73

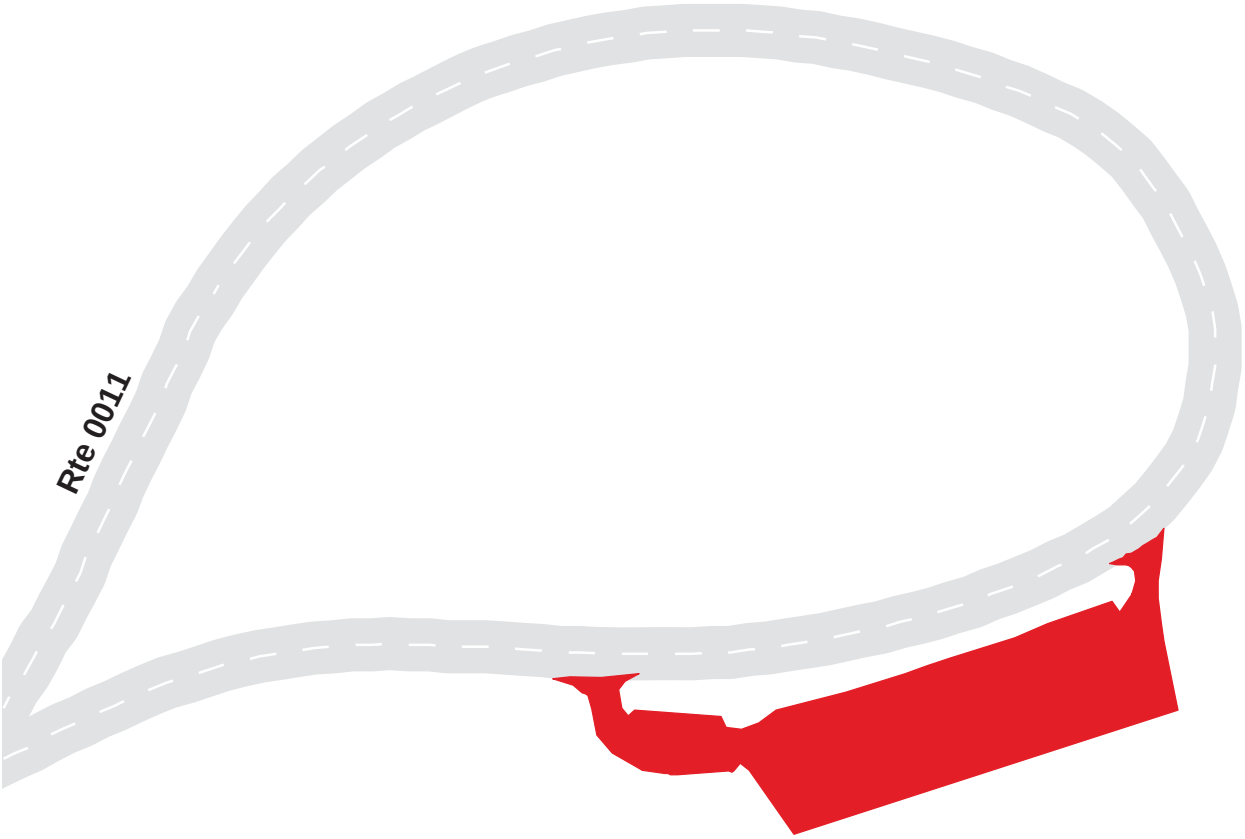
* Lane miles are based on 11' lane widths

Kings Canyon National Park
Route 0928

Road's End Information Parking
Adjacent to Route 0011 at MP 7.1 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0928	Public	6/25/2002	46058	0.79	AS	FAIR / 73

* Lane miles are based on 11' lane widths

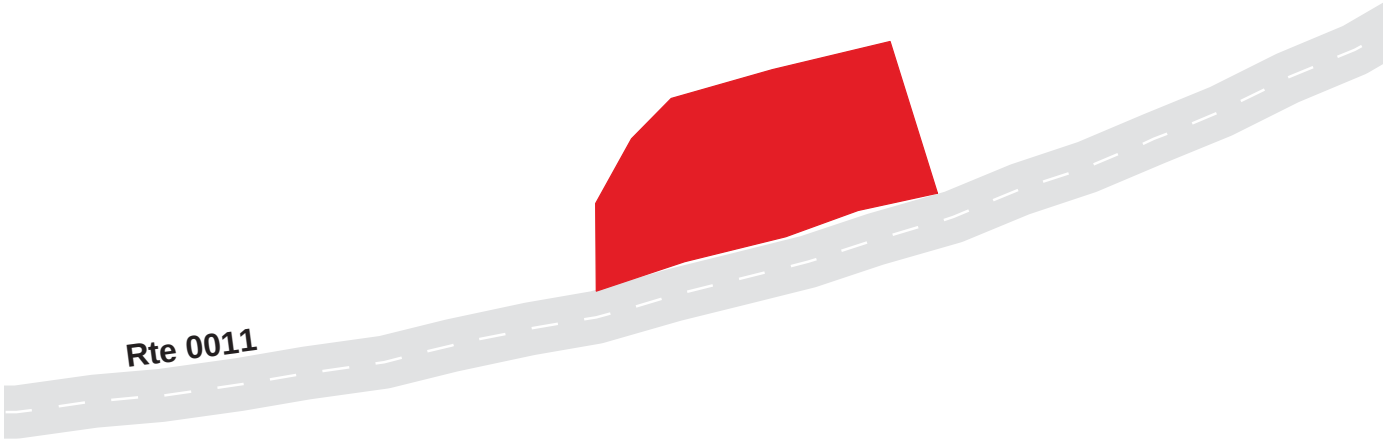


Kings Canyon National Park
Route 0929

Road's End Restroom Parking
Adjacent to Route 0011 at MP 7.2 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0929	Public	6/25/2002	2523	0.04	AS	GOOD / 90

* Lane miles are based on 11' lane widths



50 25 0 50
Feet

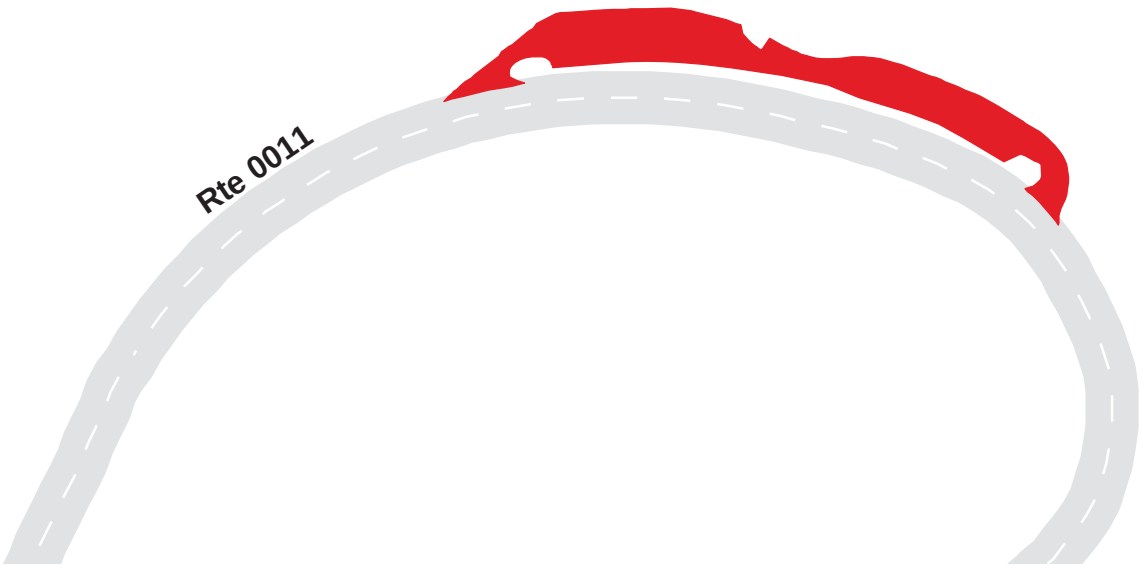
N

Kings Canyon National Park
Route 0930

Road's End Copper Creek Trail Parking
Adjacent to Route 0011 at MP 7.3 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0930	Public	6/25/2002	20308	0.35	AS	FAIR / 73

* Lane miles are based on 11' lane widths



200 100 0 200
Feet

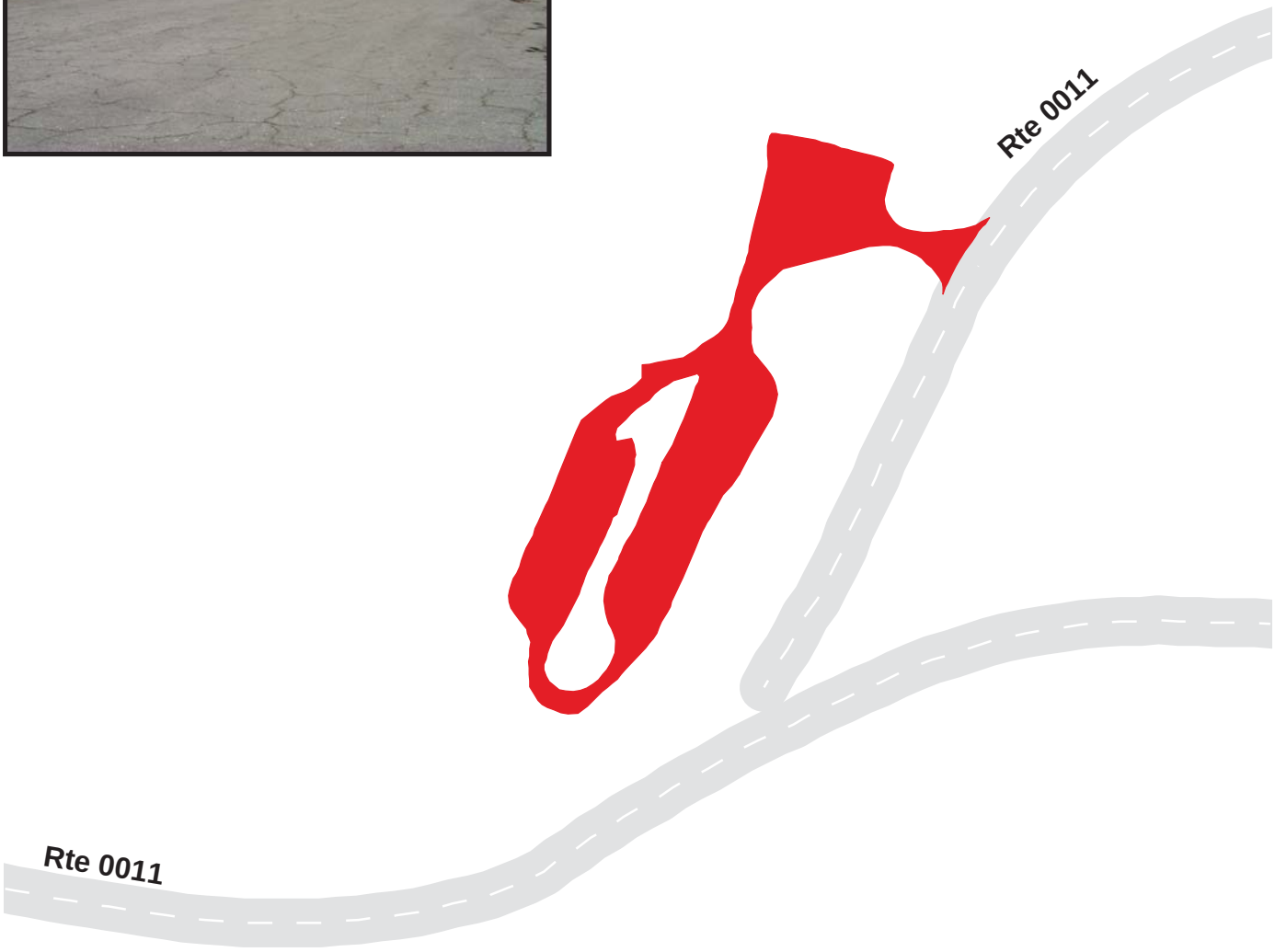
N

Kings Canyon National Park
Route 0931

Road's End Long Term Parking
Adjacent to Route 0011 at MP 7.4 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0931	Public	6/25/2002	43726	0.75	AS	POOR / 45

* Lane miles are based on 11' lane widths

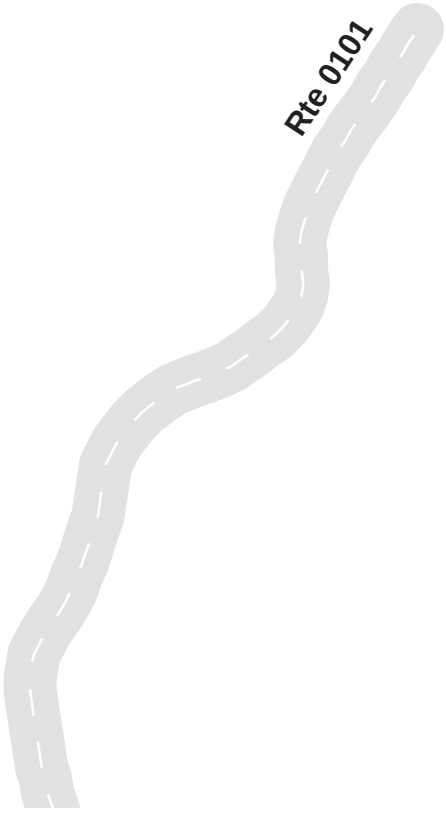


Kings Canyon National Park
Route 0932
Panoramic Point Parking
At End of Route 0101

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0932	Public	6/25/2002	NA	NA	AS	NC / -1

* Lane miles are based on 11' lane widths

No Data Available



300 150 0 300
Feet

N

Kings Canyon National Park
Route 0934

Redwood Canyon Overlook Parking
Adjacent to Route 0010 at MP 10.15 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0934	Public	6/25/2002	13657	0.24	AS	FAIR / 73

* Lane miles are based on 11' lane widths

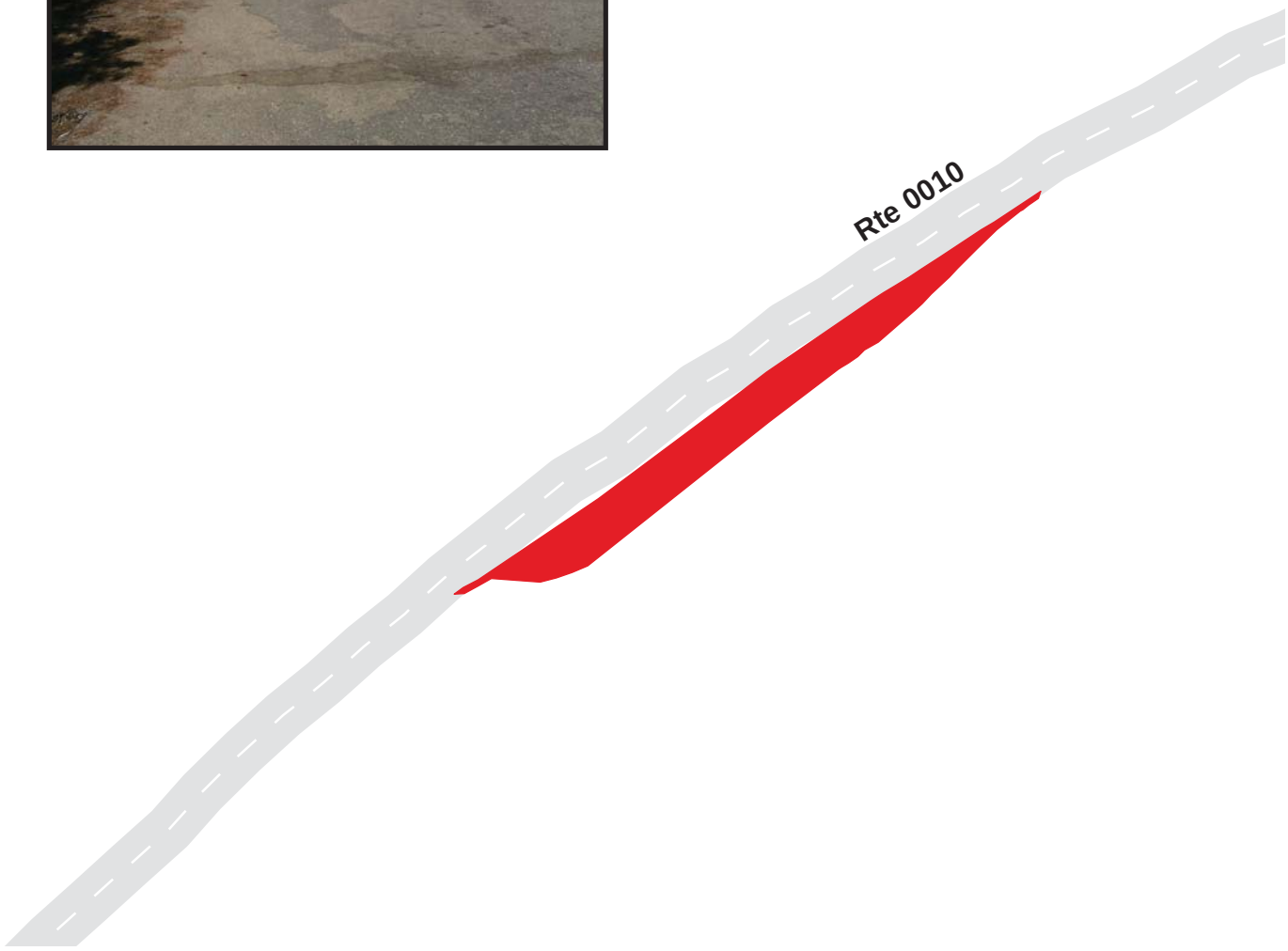
150 75 0 150
Feet

N

Kings Canyon National Park
Route 0935
Route 0010 Parking at MP 11.7
Adjacent to Route 0010 at MP 11.65 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0935	Public	6/25/2002	2184	0.04	AS	GOOD / 90

* Lane miles are based on 11' lane widths



100 50 0 100 Feet

N

KICA: PARKWIDE MAINTENANCE FEATURES SUMMARY

FEATURE	PARK TOTAL	UNIT
BRIDGE	6	EACH
CATTLE GUARD	0	EACH
CULVERT	209	EACH
CURB	47,256	LINEAR FEET
DROP INLET	23	EACH
GUARD WALL	396	LINEAR FEET
GUARDRAIL	1,769	LINEAR FEET
INTERSECTION	137	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	0	EACH
PAVED DITCH	148	LINEAR FEET
PULLOUT	24	EACH
RAILROAD CROSSING	0	EACH
RETAINING WALL	3	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

KICA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0010 GENERAL'S HIGHWAY	ROUTE 0011 CEDAR GROVE ROAD	ROUTE 0015 GRANT GROVE ROAD	ROUTE 0101 PANORAMIC POINT ROAD	ROUTE 0205 CEDAR GROVE NORTH SIDE ROAD	ROUTE 0212 GRANT TREE ROAD	UNIT
BRIDGE	0	5	0	0	1	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	107	46	40	0	6	4	EACH
CURB	10,449	882	35,123	517	0	190	LINEAR FEET
DROP INLET	6	0	13	0	0	3	EACH
GUARD WALL	127	0	269	0	0	0	LINEAR FEET
GUARDRAIL	0	1,478	0	0	290	0	LINEAR FEET
INTERSECTION	28	39	15	15	7	7	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	148	0	0	0	0	LINEAR FEET
PULLOUT	7	10	4	0	1	1	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	2	0	1	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

KICA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0217 CRYSTAL SPRINGS ROAD	ROUTE 0400 CEDAR GROVE RESIDENCE ROAD	ROUTE 0414 SWALE WORK CENTER ROAD	UNIT
BRIDGE	0	0	0	EACH
CATTLE GUARD	0	0	0	EACH
CULVERT	1	3	2	EACH
CURB	32	0	63	LINEAR FEET
DROP INLET	1	0	0	EACH
GUARD WALL	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	LINEAR FEET
INTERSECTION	5	10	11	EACH
LOW WATER CROSSING	0	0	0	EACH
OVERHEAD SIGN	0	0	0	EACH
PARK BOUNDARY	0	0	0	EACH
PAVED DITCH	0	0	0	LINEAR FEET
PULLOUT	0	1	0	EACH
RAILROAD CROSSING	0	0	0	EACH
RETAINING WALL	0	0	0	EACH
STATE BOUNDARY	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	EACH
TUNNEL	0	0	0	EACH
TURNOUT	0	0	0	LINEAR FEET

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : GENERAL'S HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT BORDER OF SEQUOIA NATIONAL PARK AND NATIONAL FORES
0.017	0.017	INTERSECTION	LEFT	
0.042	0.042	CULVERT	N/A	
0.131	0.131	CULVERT	N/A	
0.170	0.170	CULVERT	N/A	
0.248	0.651	RETAINING WALL	LEFT	
0.286	0.286	CULVERT	N/A	
0.362	0.362	CULVERT	N/A	
0.505	0.505	CULVERT	N/A	
0.607	0.607	CULVERT	N/A	
0.653	0.653	CULVERT	N/A	
0.781	0.781	CULVERT	N/A	
0.818	0.818	CULVERT	N/A	
0.936	0.936	CULVERT	N/A	
0.955	0.955	CULVERT	N/A	
0.977	0.977	CULVERT	N/A	
1.098	1.098	INTERSECTION	LEFT	STONEY CREEK
1.112	1.112	INTERSECTION	RIGHT	UPPER STONEY CREEK CAMPGROUND
1.407	1.407	CULVERT	N/A	
1.437	1.437	CULVERT	N/A	
1.453	1.453	INTERSECTION	RIGHT	SNF COVE
1.580	1.580	INTERSECTION	LEFT	SEQUOIA RESORT
1.631	1.631	CULVERT	N/A	
1.680	1.680	INTERSECTION	RIGHT	FIR NF
1.867	1.867	INTERSECTION	LEFT	UNPAVED ROAD
1.952	1.990	PULLOUT	LEFT	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : GENERAL'S HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.147	2.147	CULVERT	N/A	
2.253	2.253	CULVERT	N/A	
2.304	2.341	PULLOUT	LEFT	
2.400	2.400	CULVERT	N/A	
2.451	2.451	INTERSECTION	RIGHT	UNPAVED ROAD
2.493	2.493	CULVERT	N/A	
2.532	2.569	PULLOUT	LEFT	
2.627	2.627	CULVERT	N/A	
2.651	2.651	INTERSECTION	LEFT	UNPAVED ROAD
2.669	2.722	CURB	LEFT	
2.686	2.686	CULVERT	N/A	
2.709	2.709	CULVERT	N/A	
2.922	2.922	CULVERT	N/A	
3.159	3.159	CULVERT	N/A	
3.196	3.196	CULVERT	N/A	
3.259	3.259	CULVERT	N/A	
3.280	3.280	INTERSECTION	LEFT	PYTHIAN YOUTH CAMP
3.307	3.307	CULVERT	N/A	
3.495	3.495	CULVERT	N/A	
3.578	3.578	CULVERT	N/A	
3.792	3.792	CULVERT	N/A	
3.905	3.905	CULVERT	N/A	
3.966	3.966	CULVERT	N/A	
4.007	4.007	CULVERT	N/A	
4.137	4.137	INTERSECTION	LEFT	SAN JOAQUIN HORIZONS
4.228	4.228	CULVERT	N/A	
4.308	4.308	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : GENERAL'S HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
4.492	4.492	CULVERT	N/A	
4.552	4.552	CULVERT	N/A	
4.654	4.654	CULVERT	N/A	
4.759	4.759	CULVERT	N/A	
5.082	5.082	INTERSECTION	RIGHT	GATE 51
5.282	5.282	CULVERT	N/A	
5.324	5.324	INTERSECTION	LEFT	MONTECITO - SEQUOIA RESORT NF
5.414	5.414	CULVERT	N/A	
5.475	5.475	CULVERT	N/A	
5.593	5.593	CULVERT	N/A	
5.631	5.631	INTERSECTION	LEFT	MONTECITO - SEQUOIA RESORT NF
5.678	5.678	CULVERT	N/A	
5.698	5.698	CULVERT	N/A	
5.741	5.741	CULVERT	N/A	
5.837	5.837	CULVERT	N/A	
5.906	5.906	CULVERT	N/A	
5.975	5.975	CULVERT	N/A	
6.103	6.103	CULVERT	N/A	
6.163	6.163	CULVERT	N/A	
6.257	6.257	CULVERT	N/A	
6.264	6.264	INTERSECTION	RIGHT	MEADOW HORSE CORRAL
6.314	6.314	CULVERT	N/A	
6.323	6.354	PULLOUT	LEFT	
6.417	6.484	PULLOUT	LEFT	
6.556	6.556	CULVERT	N/A	
6.634	6.634	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : GENERAL'S HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
6.754	6.754	CULVERT	N/A	
6.822	6.822	CULVERT	N/A	
6.913	6.913	CULVERT	N/A	
6.960	6.960	CULVERT	N/A	
7.064	7.064	CULVERT	N/A	
7.108	7.108	CULVERT	N/A	
7.183	7.183	CULVERT	N/A	
7.306	7.306	CULVERT	N/A	
7.341	7.386	PULLOUT	LEFT	
7.424	7.424	CULVERT	N/A	
7.587	7.587	CULVERT	N/A	
7.600	7.626	PULLOUT	LEFT	
7.745	7.745	CULVERT	N/A	
7.853	7.853	CULVERT	N/A	
8.032	8.032	CULVERT	N/A	
8.158	8.158	CULVERT	N/A	
8.214	8.214	CULVERT	N/A	
8.257	8.257	CULVERT	N/A	
8.327	8.327	CULVERT	N/A	
8.380	8.380	CULVERT	N/A	
8.416	8.416	CULVERT	N/A	
8.436	8.436	INTERSECTION	LEFT	
8.509	8.509	INTERSECTION	RIGHT	RTE 901 KINGS CANYON OVERLOOK
8.540	8.540	INTERSECTION	RIGHT	RTE 901 KINGS CANYON OVERLOOK
8.579	8.579	CULVERT	N/A	
8.620	8.620	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : GENERAL'S HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
8.779	8.779	CULVERT	N/A	
8.791	8.791	INTERSECTION	RIGHT	UNPAVED ROAD
8.877	8.877	CULVERT	N/A	
9.030	9.030	CULVERT	N/A	
9.093	9.093	CULVERT	N/A	
9.124	9.124	INTERSECTION	LEFT	UNPAVED ROAD (LOOP)
9.172	9.172	INTERSECTION	LEFT	UNPAVED ROAD (LOOP)
9.185	9.185	CULVERT	N/A	
9.296	9.296	CULVERT	N/A	
9.371	9.371	CULVERT	N/A	
9.500	9.500	INTERSECTION	RIGHT	HUME LAKE (QUAIL FLAT) NF
9.677	9.677	CULVERT	N/A	
9.827	9.827	CULVERT	N/A	
9.871	9.871	CULVERT	N/A	
9.922	9.922	CULVERT	N/A	
10.016	10.016	CULVERT	N/A	
10.125	10.125	INTERSECTION	LEFT	RTE 934 SEQUOIA OVERLOOK PARKING
10.159	10.159	INTERSECTION	LEFT	RTE 934 SEQUOIA OVERLOOK PARKING
10.168	10.192	GUARD WALL	LEFT	
10.200	10.200	CULVERT	N/A	
10.265	10.265	CULVERT	N/A	
10.333	10.333	CULVERT	N/A	
10.382	10.382	CULVERT	N/A	
10.476	10.476	CULVERT	N/A	
10.616	10.616	CULVERT	N/A	
10.703	10.703	INTERSECTION	LEFT	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : GENERAL'S HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
10.870	10.870	CULVERT	N/A	
10.992	10.992	CULVERT	N/A	
11.038	11.038	CULVERT	N/A	
11.195	11.195	CULVERT	N/A	
11.237	11.237	CULVERT	N/A	
11.328	11.328	CULVERT	N/A	
11.526	11.526	CULVERT	N/A	
11.615	11.615	CULVERT	N/A	
11.634	11.634	INTERSECTION	LEFT	RTE 935
11.672	11.773	CURB	LEFT	
11.673	11.673	CULVERT	N/A	
11.725	11.935	CURB	RIGHT	
11.841	11.954	CURB	LEFT	
11.881	11.881	CULVERT	N/A	
11.971	12.056	CURB	RIGHT	
12.015	12.126	CURB	LEFT	
12.066	12.066	CULVERT	N/A	
12.098	12.224	CURB	RIGHT	
12.151	12.311	CURB	LEFT	
12.210	12.210	CULVERT	N/A	
12.234	12.234	DROP INLET	LEFT	
12.290	12.295	RETAINING WALL	LEFT	
12.307	12.307	DROP INLET	RIGHT	
12.308	12.399	CURB	RIGHT	
12.351	12.385	CURB	LEFT	
12.432	12.760	CURB	RIGHT	
12.527	12.527	DROP INLET	RIGHT	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : GENERAL'S HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
12.555	12.703	CURB	LEFT	
12.598	12.598	DROP INLET	LEFT	
12.600	12.600	DROP INLET	RIGHT	
12.770	13.043	CURB	LEFT	
12.871	12.912	CURB	RIGHT	
12.928	12.958	CURB	RIGHT	
12.976	12.998	CURB	RIGHT	
13.003	13.003	DROP INLET	LEFT	
13.033	13.077	CURB	RIGHT	
13.105	13.114	CURB	RIGHT	
13.120	13.120			ROUTE ENDS AT ROUTE 0015
13.120	13.120	INTERSECTION	LEFT	RTE 015
13.125	13.125	INTERSECTION	RIGHT	RTE 015

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT WEST PARK BOUNDARY
0.017	0.017	INTERSECTION	LEFT	RTE 913 CEDAR GROVE WATER TAKN ACCESS
0.051	0.051	CULVERT	N/A	
0.122	0.122	CULVERT	N/A	
0.204	0.217	BRIDGE	N/A	
0.204	0.221	GUARDRAIL	LEFT	
0.206	0.220	GUARDRAIL	RIGHT	
0.219	0.219	INTERSECTION	LEFT	RTE 408 LEWIS CREEK RESIDENCE ROAD
0.352	0.352	CULVERT	N/A	
0.408	0.408	INTERSECTION	RIGHT	
0.410	0.410	CULVERT	N/A	
0.526	0.526	CULVERT	N/A	
0.625	0.693	PULLOUT	RIGHT	
0.688	0.688	INTERSECTION	LEFT	RTE 205 CEDAR GROVE NORTHSIDE RD
0.700	0.747	GUARDRAIL	RIGHT	
0.703	0.739	BRIDGE	N/A	
0.703	0.751	GUARDRAIL	LEFT	
0.794	0.794	INTERSECTION	RIGHT	UNPAVED RTE 'AUTHORIZED VEHICLES ONLY'
0.796	0.796	INTERSECTION	LEFT	RTE 920
0.840	0.840	INTERSECTION	LEFT	RTE 920
0.941	0.941	CULVERT	N/A	
0.957	1.008	PULLOUT	LEFT	
0.990	0.990	CULVERT	N/A	
1.073	1.073	CULVERT	N/A	
1.129	1.129	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.200	1.200	INTERSECTION	LEFT	RTE 921 SHEEP CREEK DUMP STATION
1.232	1.232	INTERSECTION	LEFT	RTE 921 SHEEP CREEK DUMP STATION
1.249	1.249	CULVERT	N/A	
1.262	1.262	INTERSECTION	LEFT	RTE 206 SHEEP CREEK CAMPGROUND
1.292	1.292	CULVERT	N/A	
1.353	1.353	CULVERT	N/A	
1.423	1.423	CULVERT	N/A	
1.424	1.479	PULLOUT	LEFT	
1.516	1.516	CULVERT	N/A	
1.580	1.580	CULVERT	N/A	
1.676	1.676	CULVERT	N/A	
1.742	1.742	CULVERT	N/A	
1.761	1.761	INTERSECTION	LEFT	RTE 205 CEDAR GROVE NS RD
1.792	1.859	PULLOUT	LEFT	
1.881	1.881	CULVERT	N/A	
1.953	1.953	CULVERT	N/A	
2.075	2.075	CULVERT	N/A	
2.203	2.203	INTERSECTION	LEFT	RTE 208 CANYON VIEW CAMPGROUND
2.289	2.289	INTERSECTION	RIGHT	RTE 403, CEDAR GROVE HELIPORT RD
2.490	2.490	CULVERT	N/A	
2.507	2.507	INTERSECTION	LEFT	RTE 209 MORAINE CAMPGROUND
2.577	2.577	CULVERT	N/A	
2.625	2.625	CULVERT	N/A	
2.752	2.752	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.767	2.767	INTERSECTION	LEFT	RTE 922 CANYON VIEW PARKING
2.810	2.810	INTERSECTION	LEFT	RTE 922 CANYON VIEW PARKING
2.861	2.861	CULVERT	N/A	
2.984	2.984	CULVERT	N/A	
3.031	3.031	CULVERT	N/A	
3.144	3.144	CULVERT	N/A	
3.242	3.242	INTERSECTION	LEFT	RTE 404 CANYON VIEW SERVICE RD
3.275	3.275	CULVERT	N/A	
3.431	3.431	CULVERT	N/A	
3.490	3.490	CULVERT	N/A	
3.588	3.588	CULVERT	N/A	
3.749	3.749	CULVERT	N/A	
3.751	3.794	PULLOUT	LEFT	
3.775	3.775	CULVERT	N/A	
3.856	3.856	CULVERT	N/A	
3.909	3.909	INTERSECTION	LEFT	RTE 923 KNAPPS CABIN PARKING
3.970	3.970	INTERSECTION	LEFT	RTE 923 KNAPPS CABIN PARKING
4.004	4.004	CULVERT	N/A	
4.031	4.031	CULVERT	N/A	
4.103	4.103	CULVERT	N/A	
4.202	4.202	CULVERT	N/A	
4.207	4.259	PULLOUT	LEFT	
4.235	4.235	CULVERT	N/A	
4.327	4.387	PULLOUT	LEFT	
4.372	4.372	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
4.491	4.491	CULVERT	N/A	
4.491	4.515	PULLOUT	LEFT	
4.602	4.630	PAVED DITCH	LEFT	
4.640	4.699	PULLOUT	RIGHT	
4.700	4.727	GUARDRAIL	LEFT	
4.701	4.723	BRIDGE	N/A	
4.701	4.729	GUARDRAIL	RIGHT	
4.756	4.756	INTERSECTION	RIGHT	RTE 924 ROARING RIVER FALLS PARKING
4.766	4.799	CURB	RIGHT	
4.805	4.805	INTERSECTION	RIGHT	RTE 924 ROARING RIVER FALLS PARKING
4.816	4.816	CULVERT	N/A	
4.981	4.981	INTERSECTION	LEFT	RTE 925 RTE 011 TURNOUT @ MP 500
5.022	5.022	INTERSECTION	LEFT	RTE 925 RTE 011 TURNOUT @ MP 500
5.142	5.178	GUARDRAIL	LEFT	
5.143	5.176	GUARDRAIL	RIGHT	
5.144	5.171	BRIDGE	N/A	
5.187	5.187	INTERSECTION	LEFT	RIVER ROAD
5.385	5.385	INTERSECTION	RIGHT	RTE 926 RTE 011 TURNOUT 536
5.418	5.418	INTERSECTION	RIGHT	RTE 926 RTE 011 TURNOUT 536
5.572	5.572	CULVERT	N/A	
5.921	5.921	CULVERT	N/A	
5.984	6.001	GUARDRAIL	LEFT	
5.987	5.994	BRIDGE	N/A	
5.988	6.001	GUARDRAIL	RIGHT	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
6.285	6.367	CURB	RIGHT	
6.291	6.291	INTERSECTION	RIGHT	RTE 927 ZUMWALT MEADOW PARKING
6.300	6.352	CURB	RIGHT	
6.357	6.357	INTERSECTION	RIGHT	RTE 927 ZUMWALT MEADOW PARKING
6.668	6.668	INTERSECTION	RIGHT	
7.021	7.021	INTERSECTION	LEFT	
7.044	7.044	INTERSECTION	LEFT	RTE 011, END OF LOOP
7.126	7.126	INTERSECTION	RIGHT	RTE 928 ROADS END PARKING
7.149	7.149	CULVERT	N/A	
7.192	7.192	INTERSECTION	LEFT	RTE 929 ROADS END RESTROOM PARKING
7.214	7.214	INTERSECTION	RIGHT	RTE 928 ROADS END PARKING
7.282	7.282	INTERSECTION	RIGHT	RTE 930 ROADS END COPPER CREEK PKG
7.369	7.369	INTERSECTION	RIGHT	RTE 930 ROADS END COPPER CREEK PKG
7.440	7.440	INTERSECTION	RIGHT	RTE 931 ROADS END LONG TERM PKG
7.454	7.508	PULLOUT	RIGHT	
7.511	7.511	INTERSECTION	LEFT	
7.530	7.530			ROUTE ENDS AT END OF LOOP
7.537	7.537	INTERSECTION	LEFT	END OF LOOP, RTE 011

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015 : GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT SOUTHWEST PARK BOUNDARY
0.025	0.544	CURB	LEFT	
0.037	0.184	CURB	RIGHT	
0.093	0.093	DROP INLET	LEFT	
0.170	0.170	DROP INLET	LEFT	
0.196	0.196	INTERSECTION	RIGHT	CONTACT STATION
0.203	0.237	CURB	RIGHT	
0.235	0.290	PULLOUT	RIGHT	
0.242	0.253	CURB	LEFT	
0.268	0.275	RETAINING WALL	RIGHT	
0.291	0.291	CULVERT	N/A	
0.309	0.309	DROP INLET	LEFT	
0.332	0.332	CULVERT	N/A	
0.354	0.354	DROP INLET	LEFT	
0.361	0.361	CULVERT	N/A	
0.409	0.619	CURB	RIGHT	
0.493	0.493	CULVERT	N/A	
0.559	0.559	DROP INLET	RIGHT	
0.586	0.610	CURB	LEFT	
0.589	0.589	DROP INLET	LEFT	
0.626	0.626	CULVERT	N/A	
0.644	0.706	CURB	LEFT	
0.647	1.326	CURB	RIGHT	
0.658	0.658	CULVERT	N/A	
0.659	0.659	CULVERT	N/A	
0.672	0.672	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015 : GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.728	0.728	CULVERT	N/A	
0.857	0.857	INTERSECTION	LEFT	RTE 900 BIG STUMP PICNIC AREA
0.885	0.885	CULVERT	N/A	
0.932	1.041	CURB	LEFT	
1.053	1.053	CULVERT	N/A	
1.098	1.098	DROP INLET	RIGHT	
1.106	1.106	CULVERT	N/A	
1.137	1.607	CURB	LEFT	
1.350	1.392	CURB	RIGHT	
1.399	1.399	CULVERT	N/A	
1.487	1.487	DROP INLET	LEFT	
1.497	1.532	PULLOUT	RIGHT	
1.536	1.718	CURB	RIGHT	
1.628	1.628	CULVERT	N/A	
1.653	1.888	CURB	LEFT	
1.753	1.753	CULVERT	N/A	
1.783	1.783	CULVERT	N/A	
1.825	1.825	CULVERT	N/A	
1.829	1.895	CURB	RIGHT	
1.905	1.905	INTERSECTION	RIGHT	RTE 010 GENERALS HIGHWAY
1.913	1.938	CURB	RIGHT	
1.950	2.195	CURB	LEFT	
1.983	2.187	CURB	RIGHT	
1.984	1.984	CULVERT	N/A	
2.105	2.105	CULVERT	N/A	
2.192	2.192	DROP INLET	LEFT	
2.196	2.196	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015 : GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.206	2.504	CURB	RIGHT	
2.259	2.259	CULVERT	N/A	
2.267	2.329	CURB	LEFT	
2.372	2.372	CULVERT	N/A	
2.373	2.373	DROP INLET	RIGHT	
2.406	2.446	CURB	LEFT	
2.457	2.457	INTERSECTION	LEFT	
2.457	2.735	CURB	LEFT	
2.474	2.474	CULVERT	N/A	
2.510	2.510	INTERSECTION	RIGHT	
2.517	2.619	CURB	RIGHT	
2.522	2.522	DROP INLET	LEFT	
2.535	2.535	CULVERT	N/A	
2.585	2.611	PULLOUT	LEFT	
2.641	2.641	CULVERT	N/A	
2.671	2.871	CURB	RIGHT	
2.748	2.748	CULVERT	N/A	
2.779	2.800	CURB	LEFT	
2.816	2.816	CULVERT	N/A	
2.864	3.033	CURB	LEFT	
2.926	2.926	CULVERT	N/A	
2.964	3.067	CURB	RIGHT	
3.066	3.066	CULVERT	N/A	
3.074	3.074	INTERSECTION	RIGHT	RTE 417 GRANT GROVE LOWER LOOP
3.082	3.305	CURB	RIGHT	
3.134	3.134	INTERSECTION	LEFT	RTE 220 SUNSET CAMPGROUND RD

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015 : GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.135	3.135	CULVERT	N/A	
3.140	3.533	CURB	LEFT	
3.222	3.222	CULVERT	N/A	
3.323	3.323	INTERSECTION	RIGHT	RTE 904 GRANT GROVE CONCESSION PKG
3.331	3.369	CURB	RIGHT	
3.373	3.373	INTERSECTION	RIGHT	RTE 904 GRANT GROVE CONCESSION PKG
3.375	3.387	CURB	RIGHT	
3.394	3.394	INTERSECTION	RIGHT	RTE 904 GRANT GROVE CONCESSION PKG
3.397	3.397	DROP INLET	RIGHT	
3.408	3.408	INTERSECTION	RIGHT	RTE 101 PANORAMA POINT RD
3.410	3.540	CURB	RIGHT	
3.520	3.520	CULVERT	N/A	
3.540	3.540	INTERSECTION	LEFT	RTE 212 GRANT TREE RD
3.546	3.546	INTERSECTION	RIGHT	RTE 217 CRYSTAL SPRINGS RD
3.553	3.682	CURB	LEFT	
3.555	3.612	CURB	RIGHT	
3.689	3.689	INTERSECTION	LEFT	RTE 933 GRANT GROVE CORRAL
3.694	3.779	CURB	LEFT	
3.767	4.349	CURB	RIGHT	
3.806	3.829	CURB	LEFT	
3.867	3.867	CULVERT	N/A	
3.913	3.913	CULVERT	N/A	
3.953	4.000	CURB	LEFT	
4.019	4.019	CULVERT	N/A	
4.079	4.079	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015 : GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
4.088	4.125	PULLOUT	LEFT	
4.194	4.194	CULVERT	N/A	
4.230	4.284	CURB	LEFT	
4.286	4.286	CULVERT	N/A	
4.336	4.444	CURB	LEFT	
4.338	4.338	DROP INLET	LEFT	
4.346	4.397	GUARD WALL	RIGHT	
4.376	4.376	CULVERT	N/A	
4.448	4.584	CURB	RIGHT	
4.501	4.501	CULVERT	N/A	
4.546	4.644	CURB	LEFT	
4.590	4.590	INTERSECTION	RIGHT	
4.670	4.670			ROUTE ENDS AT NORTH PARK BOUNDARY

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0101 : PANORAMIC POINT ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0015 AT MP 332 ON RIGHT
0.004	0.004	INTERSECTION	LEFT	RTE 015
0.005	0.005	INTERSECTION	RIGHT	RTE 015
0.018	0.061	CURB	LEFT	
0.029	0.084	CURB	RIGHT	
0.047	0.047	INTERSECTION	LEFT	RTE 906 GRANT GROVE VISITOR CENTER PKG
0.050	0.050	INTERSECTION	RIGHT	RTE 906 GRANT GROVE VISITOR CENTER PKG
0.095	0.095	INTERSECTION	RIGHT	RTE 907 MANZANITA TRAIL PKG
0.137	0.137	INTERSECTION	LEFT	RTE 908 GRANT GROVE VILLAGE PKG
0.141	0.141	INTERSECTION	RIGHT	RTE 908 GRANT GROVE VILLAGE PKG
0.165	0.165	INTERSECTION	RIGHT	RTE 418 GRANT GROVE WATER ACCESS RD
0.192	0.192	INTERSECTION	LEFT	RTE 217 CRYSTAL SPRINGS RD
0.202	0.202	INTERSECTION	LEFT	
0.214	0.214	INTERSECTION	LEFT	RTE 909 JOHN MUIR LODGE PARKING
0.447	0.447	INTERSECTION	RIGHT	RTE 419 TRAILER RESIDENCE ROAD
0.941	0.941	INTERSECTION	LEFT	
2.320	2.320			ROUTE ENDS AT PANORAMIC POINT
2.331	2.331	INTERSECTION	LEFT	END RTE 932 PANORAMIC POINT PARKING
2.331	2.331	INTERSECTION	RIGHT	END RTE 932 PANORAMIC POINT PARKING

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0205 : CEDAR GROVE NORTH SIDE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0011 AT MP 07 ON LEFT
0.001	0.001	INTERSECTION	RIGHT	RTE 011
0.117	0.117	CULVERT	N/A	
0.382	0.382	CULVERT	N/A	
0.434	0.459	PULLOUT	RIGHT	
0.574	0.574	CULVERT	N/A	
1.091	1.091	CULVERT	N/A	
1.100	1.100	INTERSECTION	LEFT	RTE 400 CEDAR GROVE RES RD
1.118	1.118	CULVERT	N/A	
1.202	1.202	CULVERT	N/A	
1.267	1.267	INTERSECTION	LEFT	RTE 402 CEDAR GROVE RES LOOP
1.321	1.321	INTERSECTION	LEFT	RTE 916 CEDAR GROVE VILLAGE PKG
1.359	1.386	BRIDGE	N/A	
1.361	1.388	GUARDRAIL	LEFT	
1.361	1.389	GUARDRAIL	RIGHT	
1.466	1.466	INTERSECTION	RIGHT	RTE 207 SENTINAL CAMPGROUND
1.560	1.560			ROUTE ENDS AT ROUTE 0011 AT MP 18
1.561	1.561	INTERSECTION	LEFT	RTE 011
1.561	1.561	INTERSECTION	RIGHT	RTE 011

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212 : GRANT TREE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0015 AT MP 355 ON LEFT
0.001	0.001	INTERSECTION	LEFT	RTE 015
0.010	0.010	INTERSECTION	RIGHT	RTE 0015
0.033	0.033	INTERSECTION	LEFT	RTE 216, AZALEA CAMPGROUND
0.109	0.109	DROP INLET	RIGHT	
0.135	0.135	DROP INLET	RIGHT	
0.230	0.230	INTERSECTION	LEFT	RTE 911, COLUMBINE PICNIC AREA
0.309	0.309	CULVERT	N/A	
0.355	0.355	DROP INLET	RIGHT	
0.475	0.479	CURB	RIGHT	
0.485	0.517	CURB	RIGHT	
0.508	0.508	CULVERT	N/A	
0.532	0.532	CULVERT	N/A	
0.643	0.702	PULLOUT	RIGHT	
0.732	0.732	CULVERT	N/A	
0.762	0.762	INTERSECTION	LEFT	RTE 414 SWALE WORK CENTER ROAD
0.769	0.769	INTERSECTION	LEFT	ROUTE 912
0.770	0.770			ROUTE ENDS AT ROUTE 0912
0.770	0.770	INTERSECTION	RIGHT	ROUTE 912

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0217 : CRYSTAL SPRINGS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0015 AT MP 354 ON RIGHT
0.006	0.006	INTERSECTION	LEFT	RTE 015
0.008	0.008	INTERSECTION	RIGHT	RTE 015
0.009	0.015	CURB	LEFT	
0.013	0.013	DROP INLET	LEFT	
0.055	0.055	INTERSECTION	LEFT	RTE 218 CRYSTAL SPRINGS CAMPGROUND
0.195	0.195	CULVERT	N/A	
0.249	0.249	INTERSECTION	LEFT	RTE 910 MEADOW CAMP CABINS ROAD
0.280	0.280			ROUTE ENDS AT ROUTE 0101
0.283	0.283	INTERSECTION	RIGHT	RTE 101 PANORAMIC POINT ROAD

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0400 : CEDAR GROVE RESIDENCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0205 AT MP 11 ON LEFT
0.002	0.002	INTERSECTION	RIGHT	RTE 205
0.004	0.004	INTERSECTION	LEFT	RTE 205
0.006	0.036	PULLOUT	LEFT	
0.096	0.096	CULVERT	N/A	
0.159	0.159	CULVERT	N/A	
0.226	0.226	CULVERT	N/A	
0.273	0.273	INTERSECTION	LEFT	STABEL AREA PARKING
0.316	0.316	INTERSECTION	LEFT	UNPAVED INTERSECTION
0.375	0.375	INTERSECTION	LEFT	
0.572	0.572	INTERSECTION	LEFT	RTE 914 CEDAR GROVE MAINTENANCE AREA
0.584	0.584	INTERSECTION	LEFT	RTE 401 CEDAR GROVE RES LOOP
0.603	0.603	INTERSECTION	LEFT	RTE 401 CEDAR GROVE RES LOOP
0.669	0.669	INTERSECTION	LEFT	RTE 401 CEDAR GROVE RES LOOP
0.722	0.722	INTERSECTION	LEFT	END OF PAVEMENT (RTE 200)
0.730	0.730			ROUTE ENDS AT END OF PAVEMENT

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0414 : SWALE WORK CENTER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT END OF ROUTE 0212
0.004	0.004	INTERSECTION	LEFT	RTE 212
0.005	0.005	INTERSECTION	RIGHT	RTE 212
0.120	0.120	CULVERT	N/A	
0.339	0.339	INTERSECTION	RIGHT	
0.344	0.344	INTERSECTION	LEFT	
0.410	0.422	CURB	RIGHT	
0.457	0.457	INTERSECTION	RIGHT	RTE 414A
0.474	0.474	INTERSECTION	RIGHT	RTE 414A
0.505	0.505	CULVERT	N/A	
0.520	0.520	INTERSECTION	LEFT	
0.527	0.527	INTERSECTION	RIGHT	RTE 414, END OF LOOP
0.578	0.578	INTERSECTION	LEFT	
0.741	0.741	INTERSECTION	LEFT	
0.820	0.820			ROUTE ENDS AT END OF LOOP
0.826	0.826	INTERSECTION	RIGHT	RTE 414, END OF LOOP

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
8580	Numeric Code for Kings Canyon National Park
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
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
KICA	Alpha Code for Kings Canyon National Park
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 ocurr 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 Disitress 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 the 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_CLASS	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	XXXXXXXX	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	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
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	XXXXXXXXXX	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	XXXXXXXX	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%
VISI_FROM	999999 (millimiles)	Raw MP of first video frame showing feature	Contractor Post-processing	Database Processing	Untested
VISI_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	999.999999	Latitude coordinate	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_LON	-999.999999	Longitude coordinate	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_ELEV	99999.9	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	<*Park*>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_FLAG	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	XXXXXXXX	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%
VISI_FROM	999999 (millimiles)	Raw MP of first video frame in section	Contractor Post-processing	Database Processing	Untested
VISI_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

kica_seg

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: kica_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: -118.976112
East_Bounding_Coordinate: -118.582817
North_Bounding_Coordinate: 36.802055
South_Bounding_Coordinate: 36.651798
Keywords:
Theme:
Theme_Keyword_Thesaurus: KICA
Theme_Keyword: KICA

Access_Constraints: None
Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for routes
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 224

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: kica_seg
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: FNODE_
Attribute_Definition: Length of feature
Attribute_Definition_Source: ESRI
Attribute:
Attribute_Label: TNODE_
Attribute:
Attribute_Label: LPOLY_
Attribute_Definition: Route number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RPOLY_
Attribute_Definition: Collected route length
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: LENGTH
Attribute_Definition:
Numeric PCR definition. Average PCR value based on programatic averaging of adjacent segments.
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 0
Range_Domain_Maximum: 100
Attribute:
Attribute_Label: KICA_SEG_
Attribute_Definition: Verbal PCR definition based on value in PCRAV field
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: POOR

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

Attribute:
Attribute_Label: KICA_SEG_I
Attribute_Definition: Indicates whether feature has been edited for graphic purposes.
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: No edit made to feature.

Attribute:
Attribute_Label: ID

Attribute:
Attribute_Label: RTE_NO

Attribute:
Attribute_Label: BMP

Attribute:
Attribute_Label: EMP

Attribute:
Attribute_Label: PCR

Attribute:
Attribute_Label: PCR_RATE

Attribute:
Attribute_Label: RT_LENGTH

Attribute:
Attribute_Label: PCRMI

Attribute:
Attribute_Label: PCR_RATEMI

Attribute:
Attribute_Label: PCR_RATEAV

Attribute:
Attribute_Label: PCRAV

Attribute:
Attribute_Label: TSR_EDIT

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:

Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20051220
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Tue Dec 20 09:04:29 2005

kica_mi_pt

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: kica_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: -118.973312
East_Bounding_Coordinate: -118.586441
North_Bounding_Coordinate: 36.802238
South_Bounding_Coordinate: 36.651798
Keywords:
Theme:
Theme_Keyword_Thesaurus: KICA
Theme_Keyword: KICA
Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD Sterling
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for mile points
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Entity point
Point_and_Vector_Object_Count: 37

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: kica_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 shouler 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: Rigth 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_FLA
Attribute_Definition: Flag indicating presence of bridge in interval
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: CONSTR_FLA
Attribute_Definition: Flag indicating construction in interval
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: LANEDEV_FL
Attribute_Definition: Flag indicating lane deviation in interval
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: DATE
Attribute_Definition: Data collection date
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: NODISTRESS
Attribute_Definition: Flag indicating absence of pavement distress
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: FILENAME

Attribute_Definition: Filename of raw data files
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: SECTION
Attribute_Definition: route section ID
Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection
Attribute:
Attribute_Label: FKEY
Attribute_Definition: Unique record ID
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: VISI_FROM
Attribute_Definition: Raw MP of first video frame in section
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: VISI_TO
Attribute_Definition: Raw MP of last video frame in section
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: IDKEY
Attribute_Definition: Unique record ID used by VisiData
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: MP_REF
Attribute_Definition: Range of mileage to play in VisiData
Attribute_Definition_Source: Contractor Post-processing

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.030

Metadata_Reference_Information:
Metadata_Date: 20051220
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia

Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Tue Dec 20 09:04:05 2005

KICA_mrr_lines_03_map

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Published Materials
Title: KICA_mrr_lines_03_map
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Copy of Manually Rated Roads - Lines
Purpose: Road Inventory Program
Supplemental_Information:
This shapefile is a copy of the source manually rated lines shapefile. The features are edited as needed for graphic purposes.
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 6/25/2005
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -118.694420
East_Bounding_Coordinate: -118.693072
North_Bounding_Coordinate: 36.802110
South_Bounding_Coordinate: 36.800589
Keywords:
Theme:
Theme_Keyword_Thesaurus: KICA
Theme_Keyword: KICA
Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

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

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 1

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: KICA_mrr_lines_03_map
Entity_Type_Definition_Source: GPS
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Enumerated_Domain:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route Number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route Name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: SECTION_
Attribute_Definition: Route Section ID
Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating
Attribute_Domain_Values:
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Field comment
Attribute:

Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS Collection
Attribute:
Attribute_Label: DATAFILE
Attribute:
Attribute_Label: PAVED_MI
Attribute_Definition: Width of the paved area
Attribute:
Attribute_Label: PAVED_MI
Attribute_Definition: Calculated paved miles

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

Metadata_Reference_Information:
Metadata_Date: 20051220
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Tue Dec 20 09:02:33 2005

KICA_mrr_lines_03

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Published Materials
Title: KICA_mrr_lines_03
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Manually Rated Roads - Lines
Purpose: Road Inventory Program
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 6/25/2002
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -118.694420
East_Bounding_Coordinate: -118.693072
North_Bounding_Coordinate: 36.802110
South_Bounding_Coordinate: 36.800589
Keywords:
Theme:
Theme_Keyword_Thesaurus: KICA
Theme_Keyword: KICA
Access_Constraints: None
Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:

Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

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

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 1

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: KICA_mrr_lines_03
Entity_Type_Definition_Source: GPS
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Enumerated_Domain:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route Number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route Name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: SECTION_
Attribute_Definition: Route Section ID
Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating
Attribute_Domain_Values:
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Field comment
Attribute:
Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS Collection
Attribute:
Attribute_Label: DATAFILE

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

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

Metadata_Reference_Information:
Metadata_Date: 20051220
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Tue Dec 20 09:02:10 2005

kica_mrr_shapes_03_map

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: kica_mrr_shapes_03_map
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Manually Rated Roads - Polygons
Purpose: Road Inventory Program
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 9/16/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -118.975420
East_Bounding_Coordinate: -118.656740
North_Bounding_Coordinate: 36.794679
South_Bounding_Coordinate: 36.735010
Keywords:
Theme:
Theme_Keyword_Thesaurus: KICA
Theme_Keyword: KICA
Access_Constraints: None
Use_Constraints: None
Point_of_Contact:
Contact_Information:

Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

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

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: G-polygon
Point_and_Vector_Object_Count: 15

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: kica_mrr_shapes_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_Definition: Route section ID
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating
Attribute:
Attribute_Label: PHOTOS
Attribute_Definition: Field comment
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Date of GPS collection
Attribute:
Attribute_Label: GPS_DATE
Attribute:
Attribute_Label: DATAFILE
Attribute_Definition: Area of manually rated road in squre feet
Attribute:
Attribute_Label: SQ_FT

Attribute:
Attribute_Label: PROJECTN

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

Metadata_Reference_Information:
Metadata_Date: 20051220
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Tue Dec 20 09:03:11 2005

kica_mrr_shapes_03

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: kica_mrr_shapes_03
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Manually Rated Roads - Polygons
Purpose: Road Inventory Program
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 9/16/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -118.975395
East_Bounding_Coordinate: -118.656800
North_Bounding_Coordinate: 36.794440
South_Bounding_Coordinate: 36.735010
Keywords:
Theme:
Theme_Keyword_Thesaurus: KICA
Theme_Keyword: KICA
Access_Constraints: None
Use_Constraints: None
Point_of_Contact:
Contact_Information:

Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

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

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: G-polygon
Point_and_Vector_Object_Count: 15

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: kica_mrr_shapes_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_Definition: Route section ID
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating
Attribute:
Attribute_Label: PHOTOS
Attribute_Definition: Field comment
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Date of GPS collection
Attribute:
Attribute_Label: GPS_DATE
Attribute:
Attribute_Label: DATAFILE
Attribute_Definition: Area of manually rated road in squre feet
Attribute:
Attribute_Label: SQ_FT

Attribute:
Attribute_Label: PROJECTN

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

Metadata_Reference_Information:
Metadata_Date: 20051220
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Tue Dec 20 09:02:51 2005

kica_nonnps

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: kica_nonnps
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: non-NPS roads
Purpose: Road Inventory Program
Supplemental_Information:
Data created by The TSR Group from heads-up digitizing of roads representing non-NPS roads for graphic purposes
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2005
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -118.967869
East_Bounding_Coordinate: -118.657373
North_Bounding_Coordinate: 36.790898
South_Bounding_Coordinate: 36.736120
Keywords:
Theme:
Theme_Keyword_Thesaurus: KICA
Theme_Keyword: KICA
Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for non-NPS roads
Lineage:
Source_Information:
Type_of_Source_Media: Heads-up digitized

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 3

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

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: kica_nonnps
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: Id
Attribute_Definition: Name of road if available
Attribute:
Attribute_Label: Name

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.008

Metadata_Reference_Information:
Metadata_Date: 20051220
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia

Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Tue Dec 20 09:04:18 2005

kica_parking_03_map

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: kica_parking_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: 9/15/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -118.974828
East_Bounding_Coordinate: -118.582916
North_Bounding_Coordinate: 36.803604
South_Bounding_Coordinate: 36.716564
Keywords:
Theme:
Theme_Keyword_Thesaurus: KICA
Theme_Keyword: KICA
Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

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

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: G-polygon
Point_and_Vector_Object_Count: 33

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: kica_parking_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
Attribute:
Attribute_Label: PROJECTN

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

Metadata_Reference_Information:
Metadata_Date: 20051220
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Tue Dec 20 09:03:39 2005

kica_parking_03

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: kica_parking_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: 9/15/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -118.974851
East_Bounding_Coordinate: -118.582900
North_Bounding_Coordinate: 36.803409
South_Bounding_Coordinate: 36.716545
Keywords:
Theme:
Theme_Keyword_Thesaurus: KICA
Theme_Keyword: KICA
Access_Constraints: None
Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:

Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

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

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: G-polygon
Point_and_Vector_Object_Count: 33

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: kica_parking_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
Attribute:
Attribute_Label: PROJECTN

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

Metadata_Reference_Information:
Metadata_Date: 20051220
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Tue Dec 20 09:03:24 2005

kica_mi

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: kica_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: -118.976112
East_Bounding_Coordinate: -118.582817
North_Bounding_Coordinate: 36.802238
South_Bounding_Coordinate: 36.651798
Keywords:
Theme:
Theme_Keyword_Thesaurus: KICA
Theme_Keyword: KICA

Access_Constraints: None
Use_Constraints: Redistribution meeds permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for routes
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 33

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: kica_mi
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: FNODE_
Attribute_Definition: Length of feature
Attribute_Definition_Source: ESRI
Attribute:
Attribute_Label: TNODE_
Attribute:
Attribute_Label: LPOLY_
Attribute_Definition: Route number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RPOLY_
Attribute_Definition: Collected route length
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: LENGTH
Attribute_Definition: Numeric PCR definition
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 0
Range_Domain_Maximum: 100
Attribute:
Attribute_Label: KICA_MI_
Attribute_Definition: Verbal PCR definition
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: POOR
Enumerated_Domain_Value_Definition: PCR value <= 60
Enumerated_Domain:

Enumerated_Domain_Value: FAIR
Enumerated_Domain_Value_Definition: PCR value 61-84
Enumerated_Domain:
Enumerated_Domain_Value: GOOD
Enumerated_Domain_Value_Definition: PCR value 85-94
Enumerated_Domain:
Enumerated_Domain_Value: EXCELLENT
Enumerated_Domain_Value_Definition: PCR value 95-100
Attribute:
Attribute_Label: KICA_MI_ID
Attribute_Definition: Indicates whether feature has been edited for graphic purposes.
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: No edit made to feature.
Attribute:
Attribute_Label: ID
Attribute:
Attribute_Label: RTE_NO
Attribute:
Attribute_Label: BMP
Attribute:
Attribute_Label: EMP
Attribute:
Attribute_Label: PCR
Attribute:
Attribute_Label: PCR_RATE
Attribute:
Attribute_Label: RT_LENGTH
Attribute:
Attribute_Label: PCRMI
Attribute:
Attribute_Label: PCR_RATEMI
Attribute:
Attribute_Label: PCR_RATEAV
Attribute:
Attribute_Label: PCRAV
Attribute:
Attribute_Label: TSR_EDIT

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:

Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20051220
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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