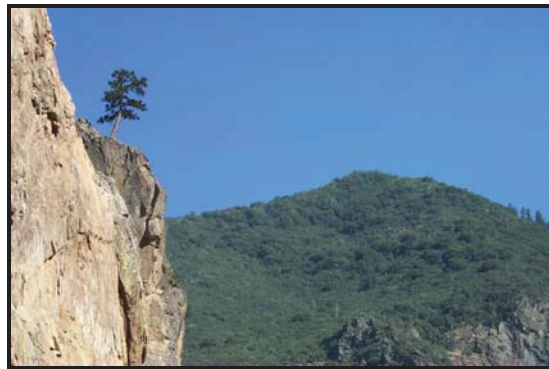




national park service

**The Road Inventory
of
Kings Canyon National Park
KICA – 8580
Cycle 4**



**Prepared By:
Federal Highway Administration
Road Inventory Program
Cycle 4**



Kings Canyon National Park in California

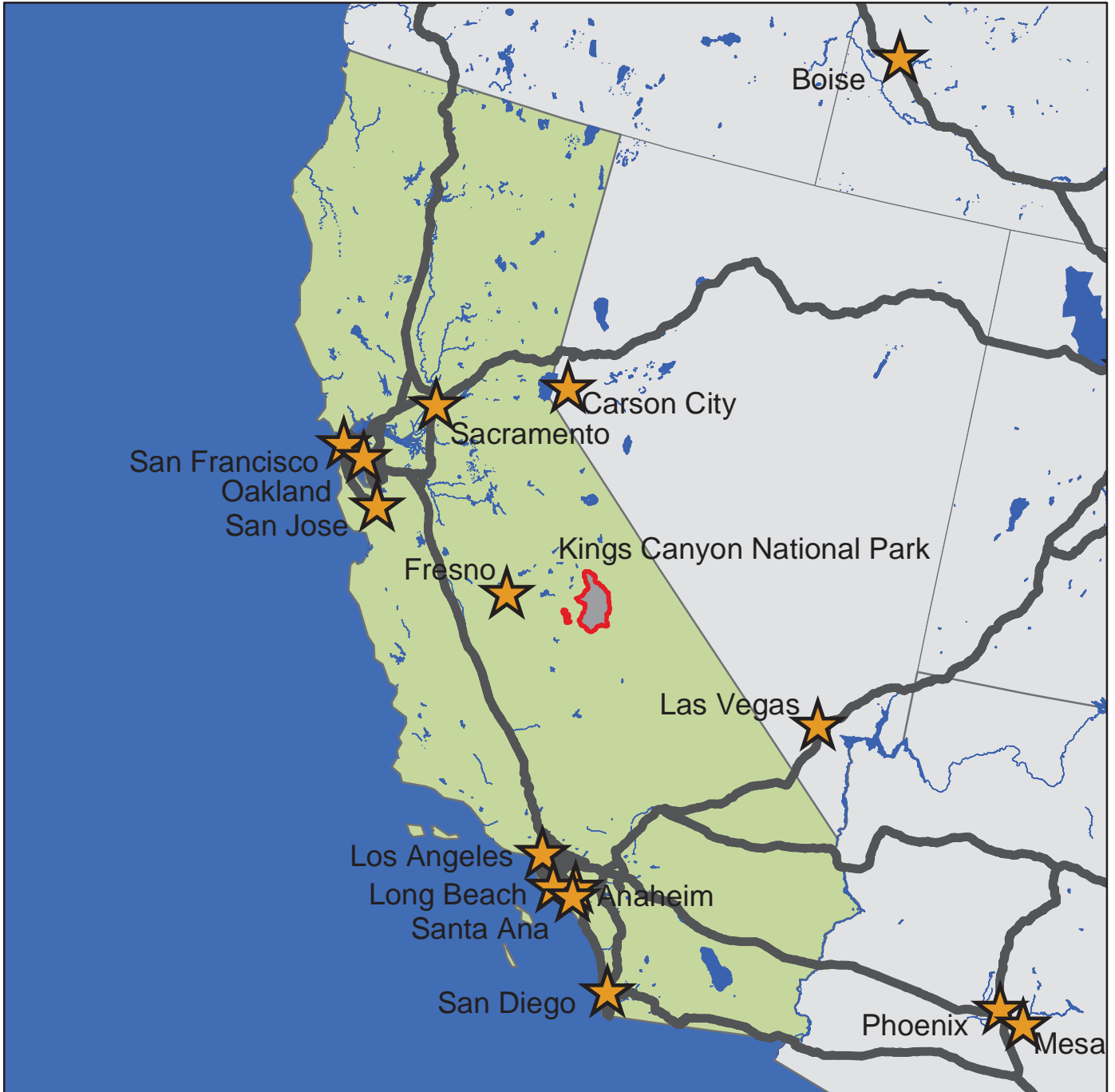




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Kings Canyon National Park



Section 1 **Introduction**

INTRODUCTION

Background: In 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 costs and programs to bring National Park Service (NPS) roads up to, or to maintain, designated standards, and 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 reestablished in the 1990's. The FLH completed two cycles of RIP data collection between 1994 and 2001. Cycle 1 was collected in 44 large parks from 1994 to 1996. 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". Cycle 3 was completed from 2001 through 2004, and included data collection in all parks that contain pavement.

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 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 4: Cycle 4 data collection was initiated in spring 2006, where 86 large parks, consisting of 5,553 route miles and 6,232 paved parking areas, were selected as a representative sample of the entire NPS paved road network. Cycle 4 is scheduled for completion in spring 2009 and will serve the PMS in further development of its pavement preservation techniques.

In the Cycle 4 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 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.

The FHWA RIP Team

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Kings Canyon National Park



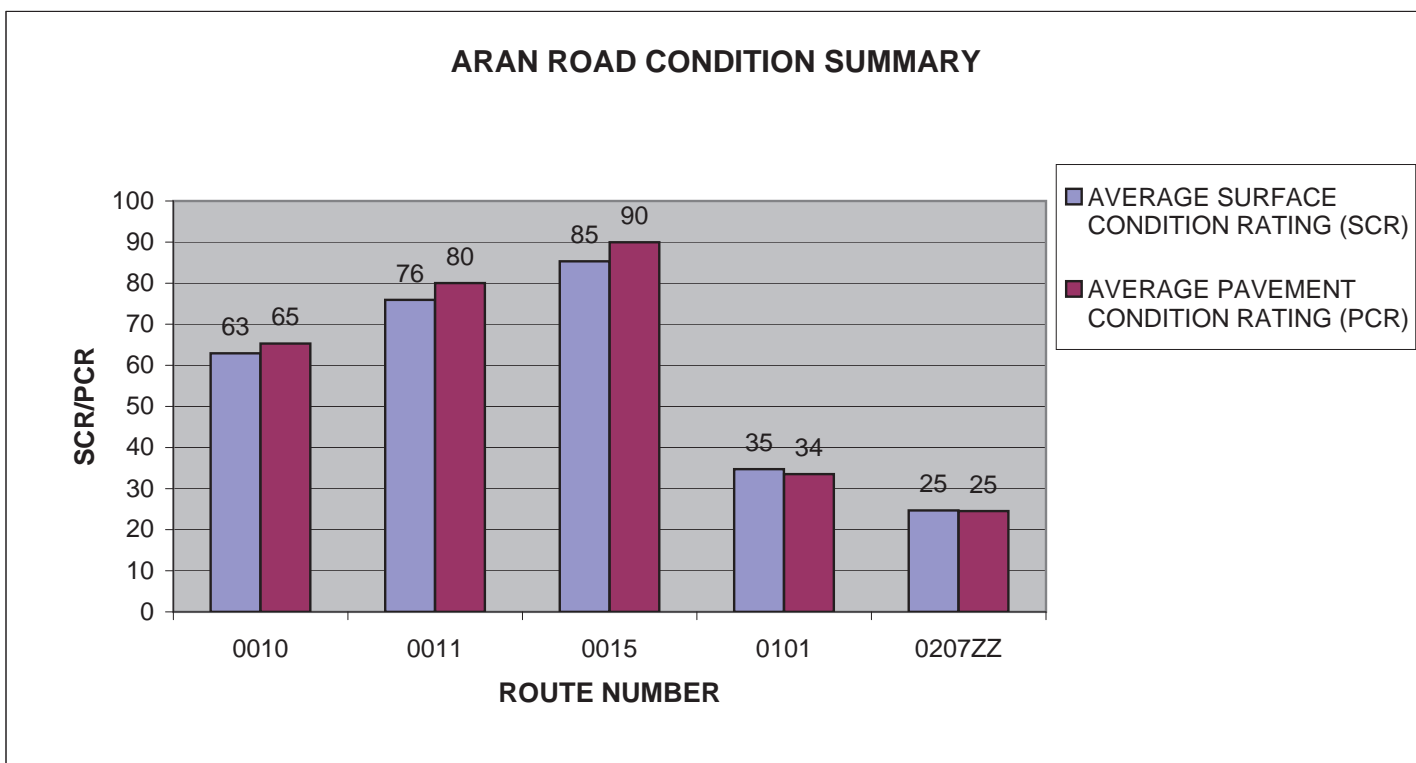
Section 2 **Park Summary Information**

KICA: PAVED ROUTE MILES AND PERCENTAGES BY FUNCTIONAL CLASS AND PCR

F.C.	Pavement Condition Rating (PCR)								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	5.16	14.01%	10.29	27.93%	7.48	20.30%	2.59	7.03%	25.52
2	1.82	4.94%	0.32	0.87%	0.12	0.33%	0.08	0.22%	2.34
3	2.90	7.87%	1.34	3.64%	0.67	1.82%	0.31	0.84%	5.22
4									
5	1.31	3.56%	0.47	1.28%	0.08	0.22%	0.06	0.16%	1.92
6	1.60	4.34%	0.21	0.57%	0.02	0.05%	0.01	0.03%	1.84
7									
8									
Totals	12.79	34.72%	12.63	34.28%	8.37	22.72%	3.05	8.28%	36.84

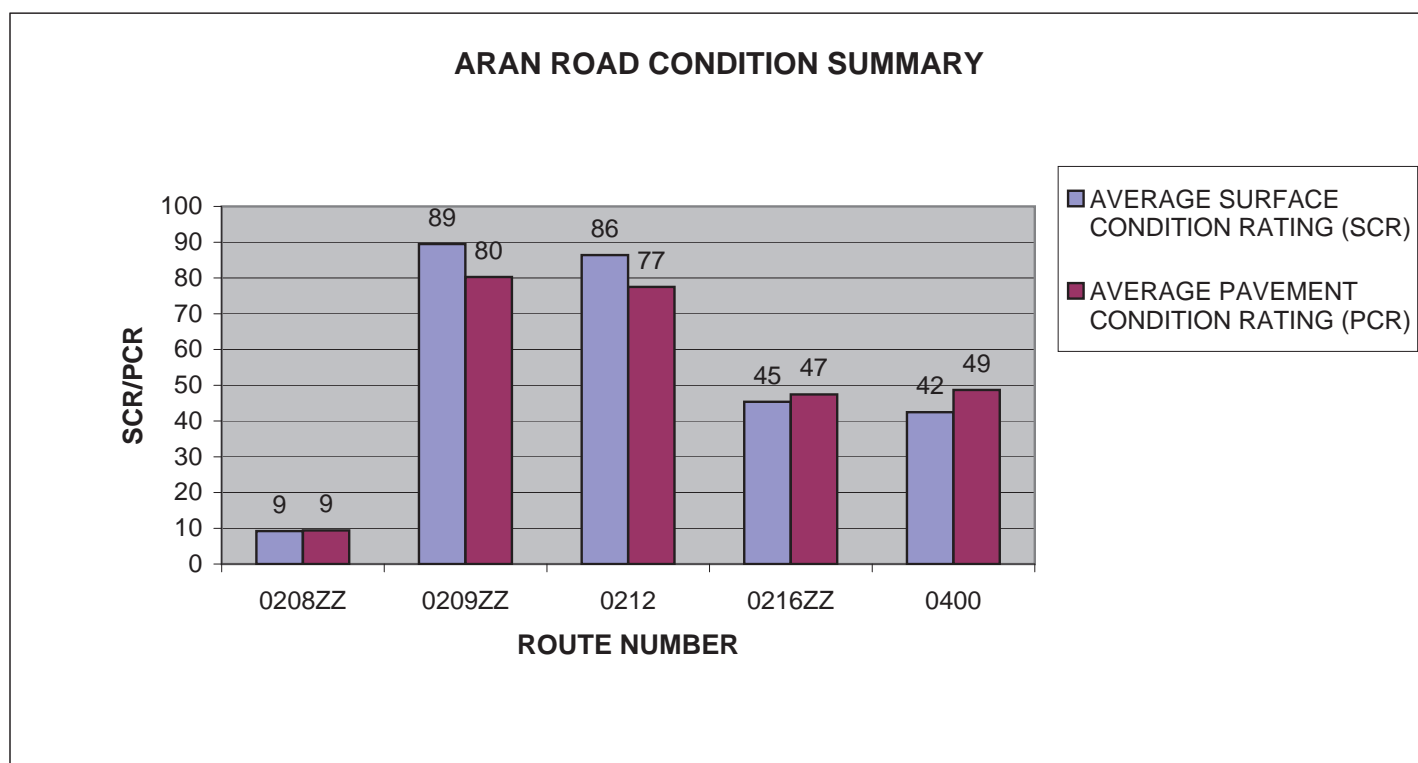
KICA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0010	GENERALS HIGHWAY	1	13.21	ASPHALT	63	65
0011	CEDAR GROVE ROAD	1	7.58	ASPHALT	76	80
0015	GRANT GROVE ROAD	1	4.70	ASPHALT	85	90
0101	PANORAMIC POINT ROAD	2	2.34	ASPHALT	35	34
0207ZZ	SENTINEL CAMPGROUND ROADS	3	1.16	ASPHALT	25	25



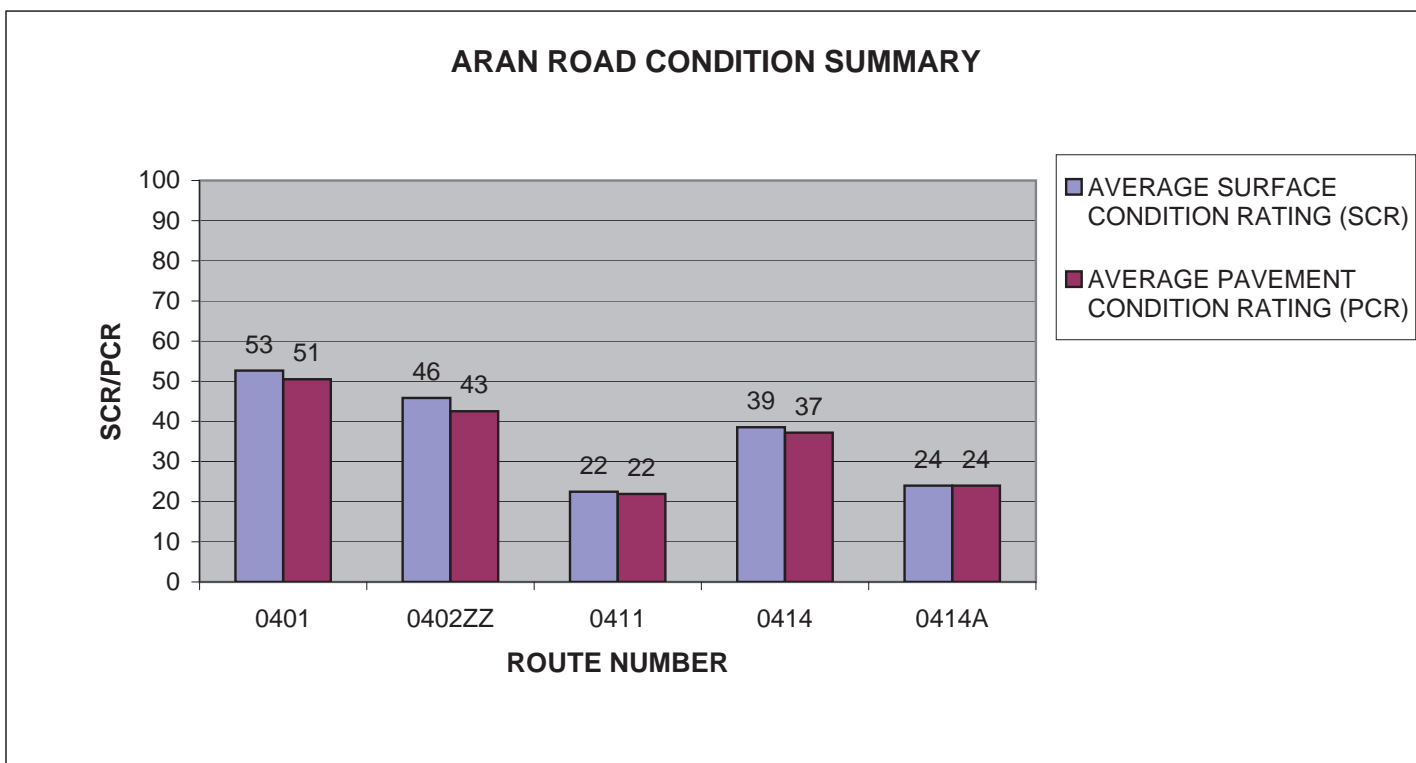
KICA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0208ZZ	CANYON VIEW CAMPGROUND ROADS	3	0.84	ASPHALT	9	9
0209ZZ	MORAINES CAMPGROUND ROADS	3	1.5	ASPHALT	89	80
0212	GRANT TREE ROAD	3	0.77	ASPHALT	86	77
0216ZZ	AZALEA CAMPGROUND ROADS	3	1.6	ASPHALT	45	47
0400	CEDAR GROVE RESIDENCE ROAD	5	0.73	ASPHALT	42	49



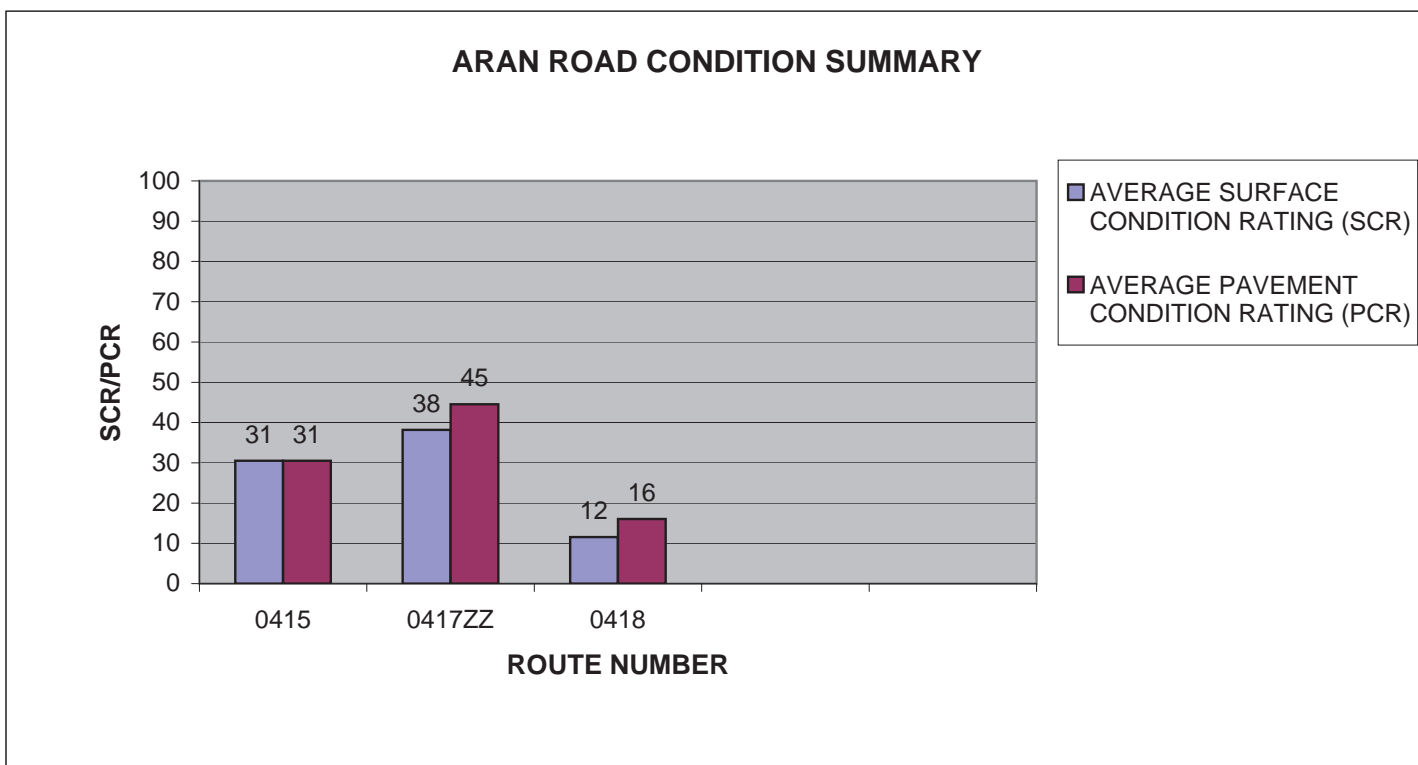
KICA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0401	CEDAR GROVE RESIDENCE LOOP	5	0.24	ASPHALT	53	51
0402ZZ	CEDAR GROVE VILLAGE RESIDENCE LOOP ROADS	5	0.48	ASPHALT	46	43
0411	GRANT GROVE RESIDENCE EAST LOOP	6	0.43	ASPHALT	22	22
0414	SWALE WORK CENTER ROAD	6	0.82	ASPHALT	39	37
0414A	SWALE WORK CENTER LOOP A	6	0.06	ASPHALT	24	24



KICA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0415	GRANT GROVE RESIDENCE UPPER LOOP	6	0.12	ASPHALT	31	31
0417ZZ	GRANT GROVE RESIDENCE LOWER LOOP ROADS	5	0.47	ASPHALT	38	45
0418	GRANT GROVE WATER TOWER ACCESS ROAD	6	0.41	ASPHALT	12	16

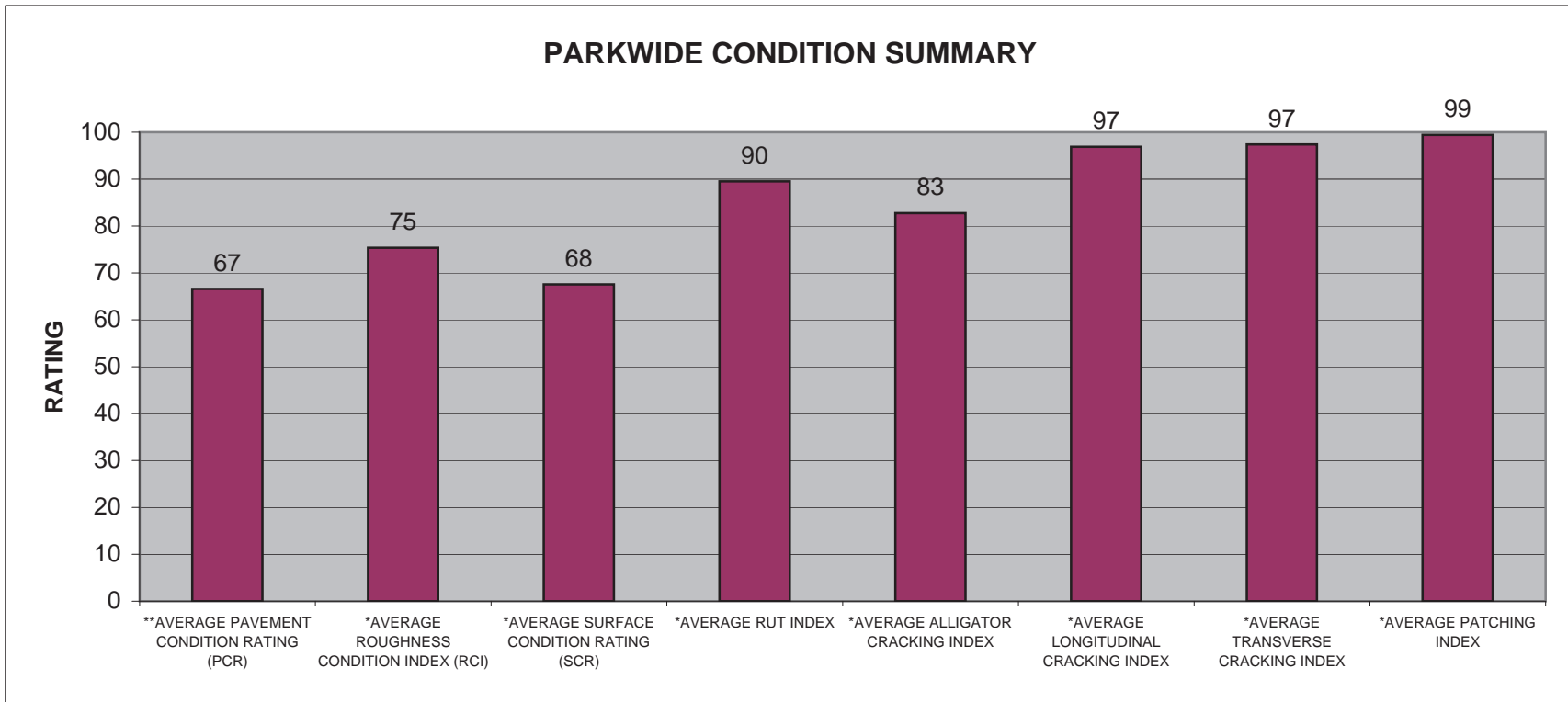


KICA: PARKWIDE CONDITION SUMMARY

**AVERAGE PAVEMENT CONDITION RATING (PCR)	*AVERAGE ROUGHNESS CONDITION INDEX (RCI)	*AVERAGE SURFACE CONDITION RATING (SCR)	*AVERAGE RUT INDEX	*AVERAGE ALLIGATOR CRACKING INDEX	*AVERAGE LONGITUDINAL CRACKING INDEX	*AVERAGE TRANSVERSE CRACKING INDEX	*AVERAGE PATCHING INDEX
67	75	68	90	83	97	97	99

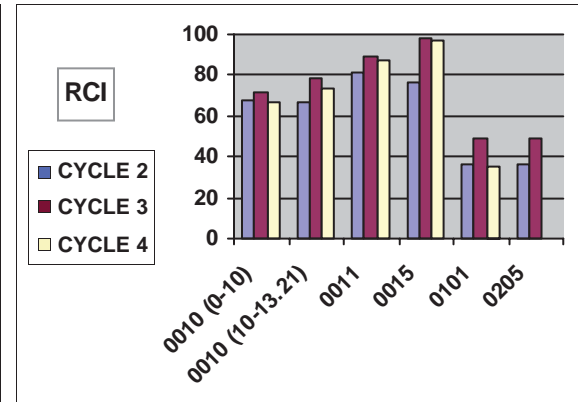
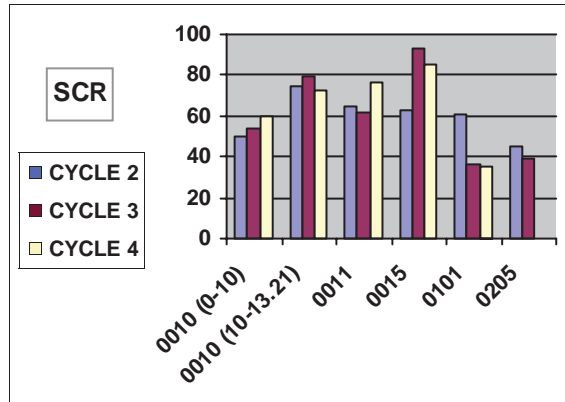
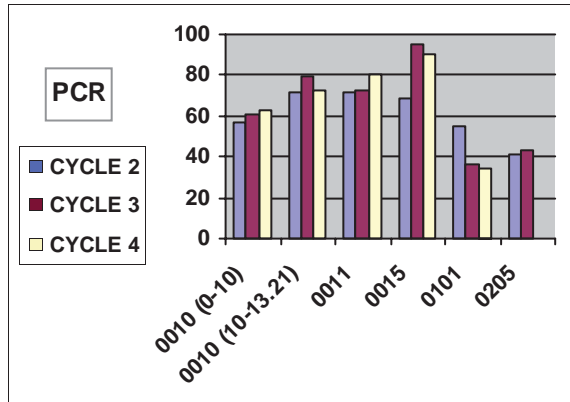
** PCR Index is based on all ARAN-driven roads, parking areas, and manually rated routes.

* Index values are based on ARAN-driven roads only.



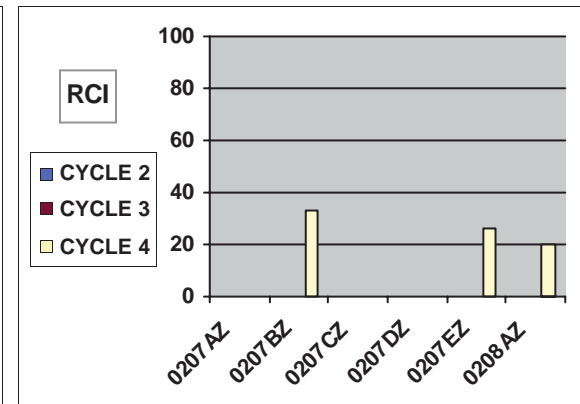
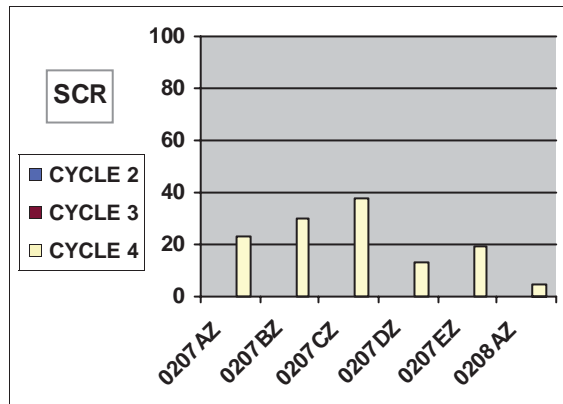
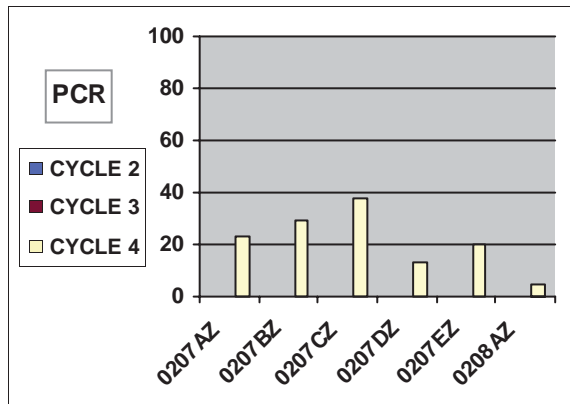
KICA : CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILLEPOST	TO MILLEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0010	10.00	0.00	10.00	57	61	63	+3%	50	54	60	+11%	68	72	67	-7%	
0010	3.21	10.00	13.21	72	79	73	-8%	75	79	73	-8%	67	78	74	-5%	
0011	7.58	0.00	7.58	72	73	80	+10%	65	62	76	+23%	81	89	87	-2%	
0015	4.70	0.00	4.70	69	95	90	-5%	63	93	85	-9%	76	98	97	-1%	
0101	2.34	0.00	2.34	55	36	34	-6%	61	36	35	-3%	36	49	35	-29%	
0205	1.56	0.00	1.56	41	43	N/A	N/A	45	39	N/A	N/A	36	49	N/A	N/A	Route was manually rated in Cycle 4.



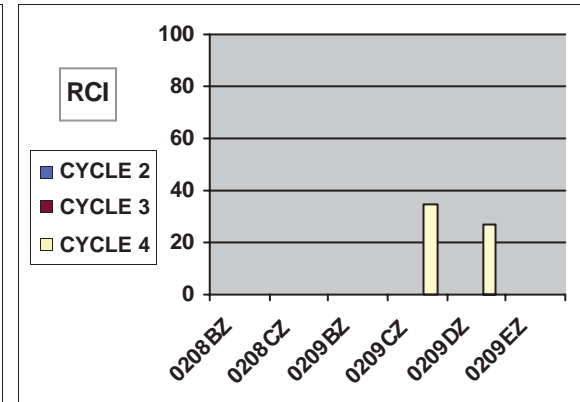
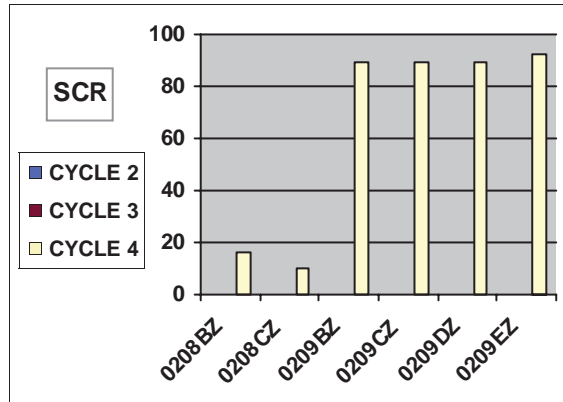
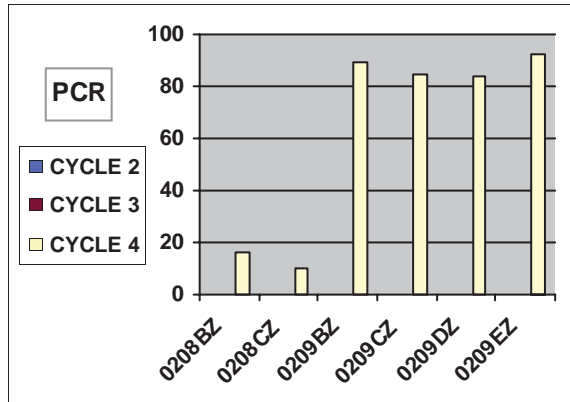
KICA : CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0207AZ	0.60	0.00	0.60	N/A	N/A	23	N/A	N/A	N/A	23	N/A	N/A	N/A	N/A	N/A	Route split out from 0207 in Cycle 4. No RCI collected in Cycle 4.
0207BZ	0.22	0.00	0.22	N/A	N/A	29	N/A	N/A	N/A	30	N/A	N/A	N/A	33	N/A	Route split out from 0207 in Cycle 4.
0207CZ	0.12	0.00	0.12	N/A	N/A	38	N/A	N/A	N/A	38	N/A	N/A	N/A	N/A	N/A	Route split out from 0207 in Cycle 4. No RCI collected in Cycle 4.
0207DZ	0.12	0.00	0.12	N/A	N/A	13	N/A	N/A	N/A	13	N/A	N/A	N/A	N/A	N/A	Route split out from 0207 in Cycle 4. No RCI collected in Cycle 4.
0207EZ	0.10	0.00	0.10	N/A	N/A	20	N/A	N/A	N/A	19	N/A	N/A	N/A	26	N/A	Route split out from 0207 in Cycle 4.
0208AZ	0.31	0.00	0.31	N/A	N/A	5	N/A	N/A	N/A	5	N/A	N/A	N/A	20	N/A	Route split out from 0208 in Cycle 4.



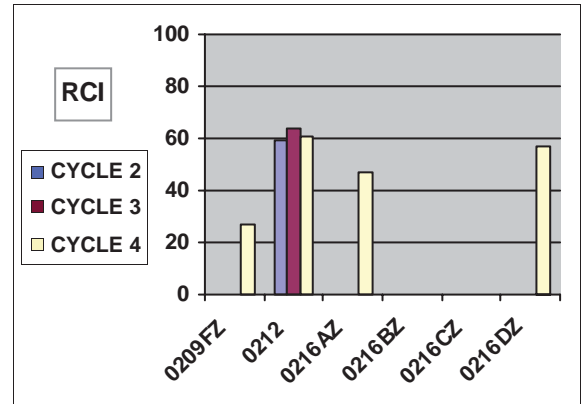
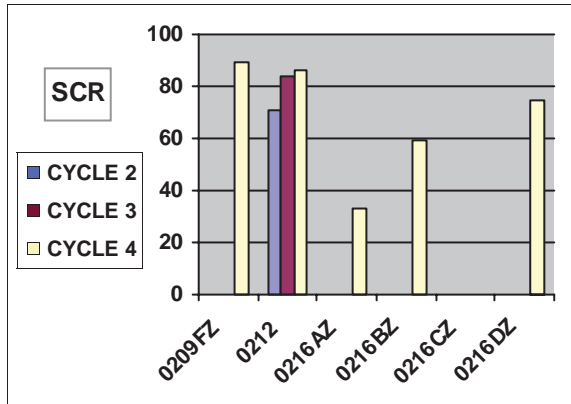
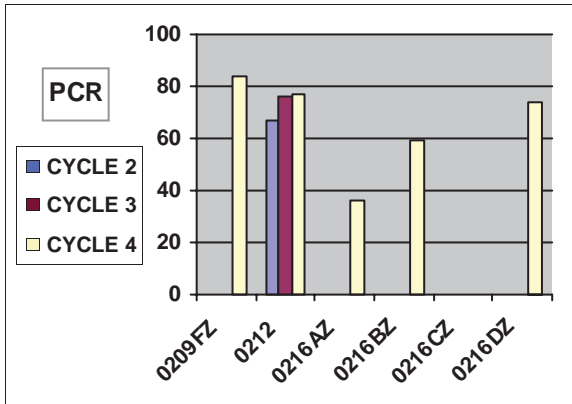
KICA : CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0208BZ	0.18	0.00	0.18	N/A	N/A	16	N/A	N/A	N/A	16	N/A	N/A	N/A	N/A	N/A	Route was split out from 0208 in Cycle 4. No RCI collected.
0208CZ	0.35	0.00	0.35	N/A	N/A	10	N/A	N/A	N/A	10	N/A	N/A	N/A	N/A	N/A	Route was split out from 0208 in Cycle 4. No RCI collected.
0209BZ	0.10	0.00	0.10	N/A	N/A	89	N/A	N/A	N/A	89	N/A	N/A	N/A	N/A	N/A	Route was split out from 0209 in Cycle 4. No RCI collected.
0209CZ	0.16	0.00	0.16	N/A	N/A	85	N/A	N/A	N/A	89	N/A	N/A	35	N/A	N/A	Route was split out from 0209 in Cycle 4.
0209DZ	0.37	0.00	0.37	N/A	N/A	84	N/A	N/A	N/A	89	N/A	N/A	27	N/A	N/A	Route was split out from 0209 in Cycle 4.
0209EZ	0.12	0.00	0.12	N/A	N/A	92	N/A	N/A	N/A	92	N/A	N/A	N/A	N/A	N/A	Route was split out from 0209 in Cycle 4. No RCI collected.



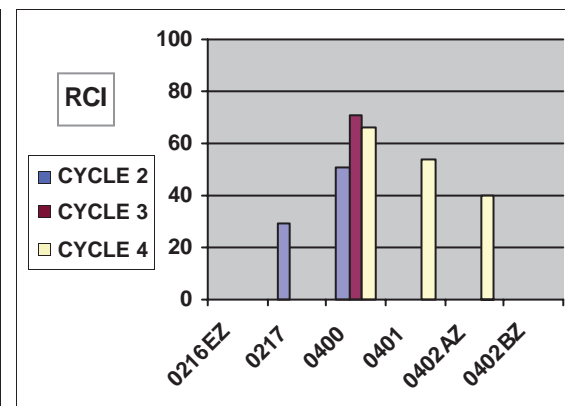
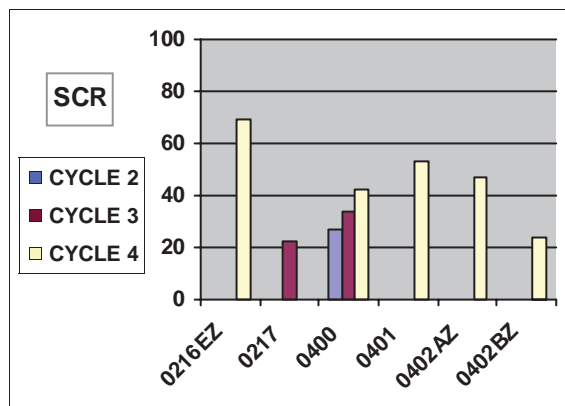
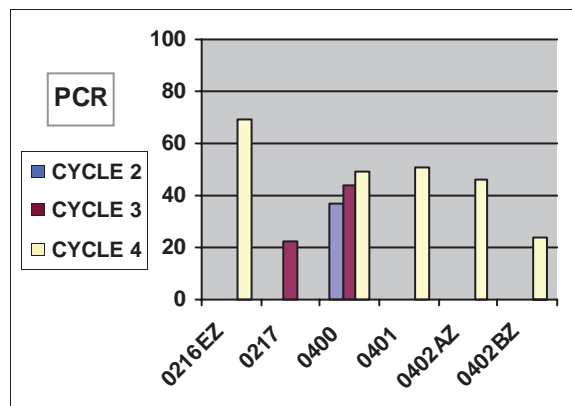
KICA : CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0209FZ	0.13	0.00	0.13	N/A	N/A	84	N/A	N/A	N/A	89	N/A	N/A	N/A	27	N/A	Route was split out from 0209 in Cycle 4.
0212	0.77	0.00	0.77	67	76	77	+1%	71	84	86	+2%	59	64	61	-5%	
0216AZ	0.77	0.00	0.77	N/A	N/A	36	N/A	N/A	N/A	33	N/A	N/A	N/A	47	N/A	Route was split out from 0216 in Cycle 4.
0216BZ	0.34	0.00	0.34	N/A	N/A	59	N/A	N/A	N/A	59	N/A	N/A	N/A	N/A	N/A	Route was split out from 0216 in Cycle 4. No RCI was collected.
0216CZ	0.03	0.00	0.03	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	Route was split out from 0216 in Cycle 4. No RCI was collected.
0216DZ	0.26	0.00	0.26	N/A	N/A	74	N/A	N/A	N/A	75	N/A	N/A	N/A	57	N/A	Route was split out from 0216 in Cycle 4.



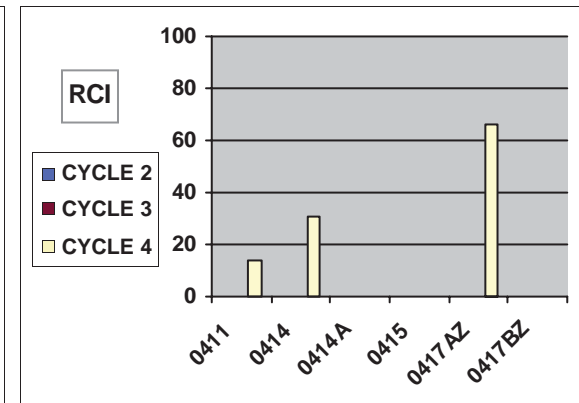
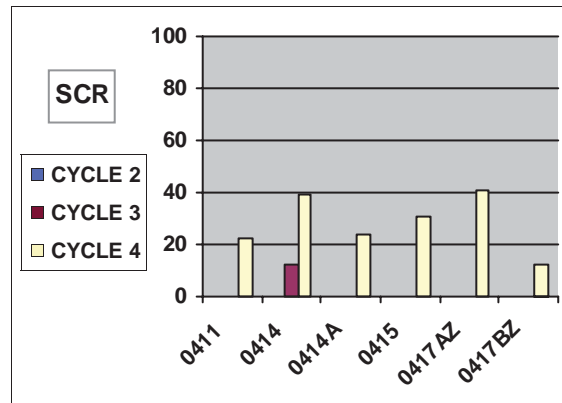
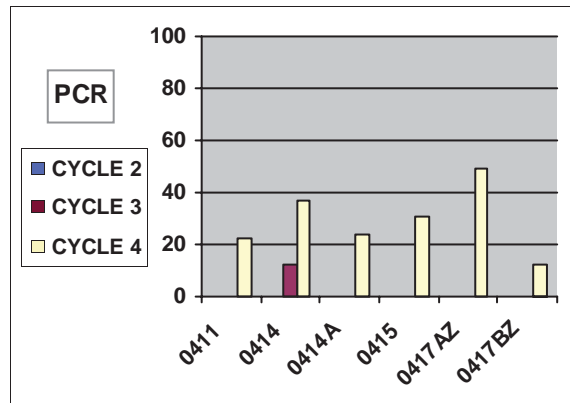
KICA : CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILLEPOST	TO MILLEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT	
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE		
0216EZ	0.20	0.00	0.20	N/A	N/A	69	N/A	N/A	N/A	69	N/A	N/A	N/A	N/A	N/A	N/A	Route was split out from 0216 in Cycle 4. No RCI was collected.
0217	0.28	0.00	0.28	N/A	22	N/A	N/A	0	22	N/A	N/A	29	N/A	N/A	N/A	N/A	Route was manually rated in Cycle 4. No RCI collected Cycle 3 and Cycle 4.
0400	0.73	0.00	0.73	37	44	49	+11%	27	34	42	+24%	51	71	66	-7%		
0401	0.24	0.00	0.24	N/A	N/A	51	N/A	N/A	N/A	53	N/A	N/A	N/A	54	N/A	N/A	New ARAN route in Cycle 4.
0402AZ	0.39	0.00	0.39	N/A	N/A	46	N/A	N/A	N/A	47	N/A	N/A	N/A	40	N/A	N/A	Route was split out from 0402 in Cycle 4.
0402BZ	0.09	0.00	0.09	N/A	N/A	24	N/A	N/A	N/A	24	N/A	N/A	N/A	N/A	N/A	N/A	Route was split out from 0402 in Cycle 4. No RCI was collected.



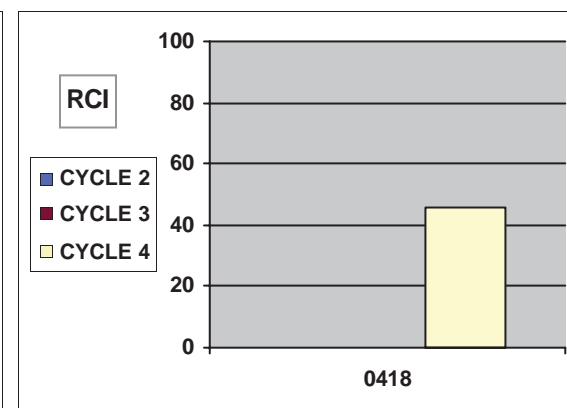
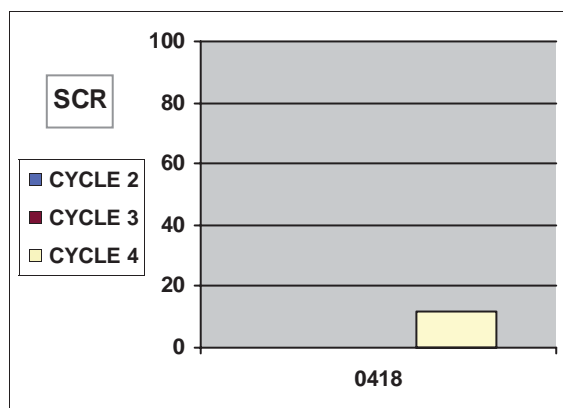
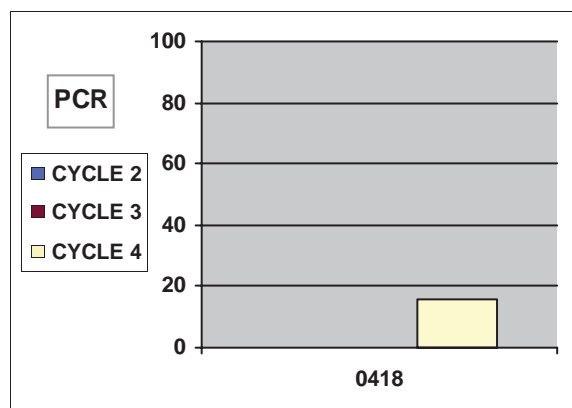
KICA : CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0411	0.43	0.00	0.43	N/A	N/A	22	N/A	N/A	N/A	22	N/A	N/A	N/A	14	N/A	New ARAN Route in Cycle 4.
0414	0.82	0.00	0.82	N/A	12	37	+208%	N/A	12	39	+225%	N/A	N/A	31	N/A	No RCI collected in Cycle 3.
0414A	0.06	0.00	0.06	N/A	N/A	24	N/A	N/A	N/A	24	N/A	N/A	N/A	N/A	N/A	New ARAN Route in Cycle 4. No RCI was collected.
0415	0.12	0.00	0.12	N/A	N/A	31	N/A	N/A	N/A	31	N/A	N/A	N/A	N/A	N/A	New ARAN Route in Cycle 4. No RCI was collected.
0417AZ	0.42	0.00	0.42	N/A	N/A	49	N/A	N/A	N/A	41	N/A	N/A	N/A	66	N/A	Route was split out from 0417 in Cycle 4.
0417BZ	0.05	0.00	0.05	N/A	N/A	12	N/A	N/A	N/A	12	N/A	N/A	N/A	N/A	N/A	Route was split out from 0417 in Cycle 4. No RCI was collected.



KICA : CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			PERCENT CHANGE	COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		
0418	0.41	0.00	0.41	N/A	N/A	16	N/A	N/A	12	N/A	N/A	N/A	N/A	46	N/A	New ARAN Route in Cycle 4.

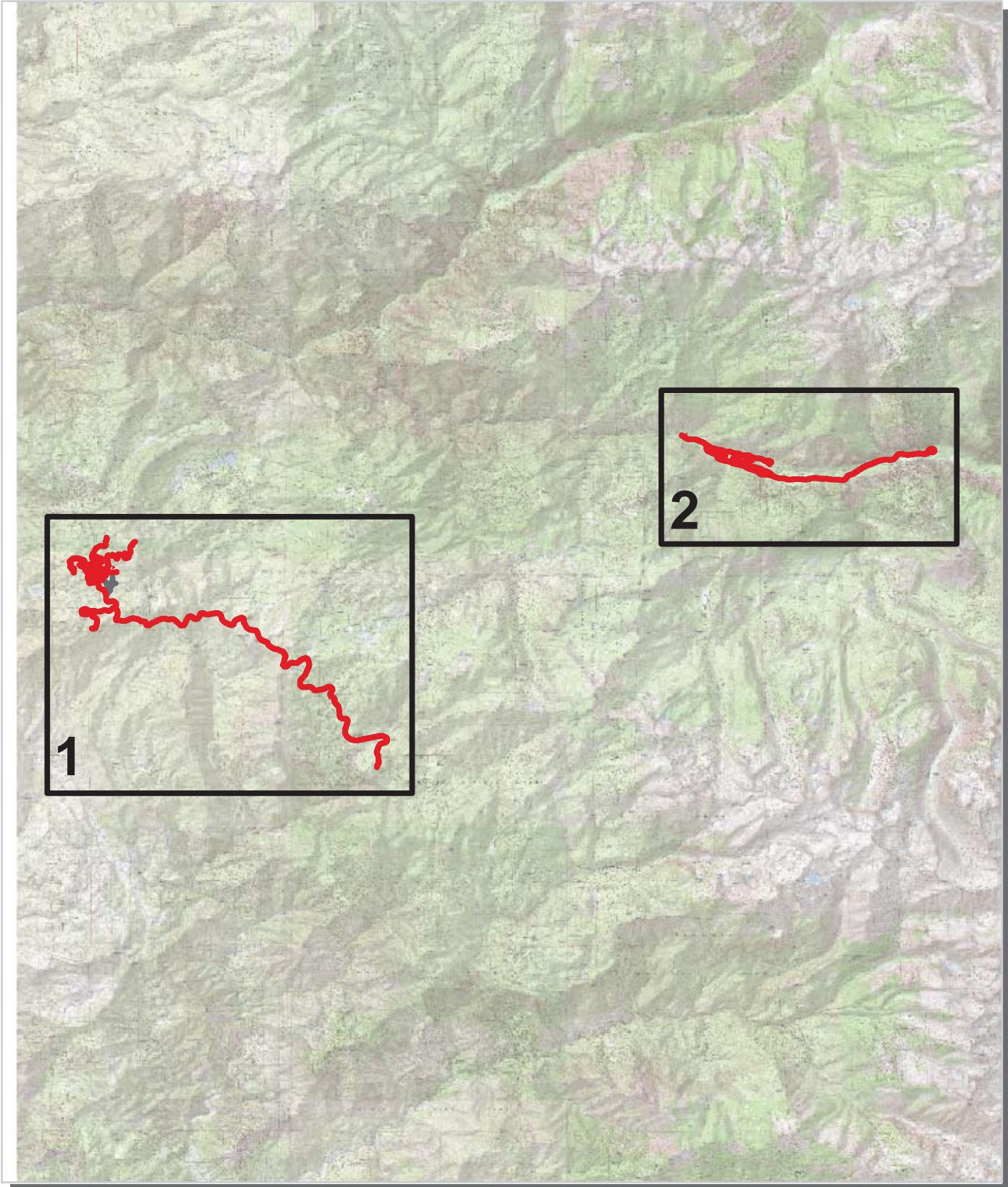


Kings Canyon National Park



Section 3 **Park Route Location / Condition** **Maps**

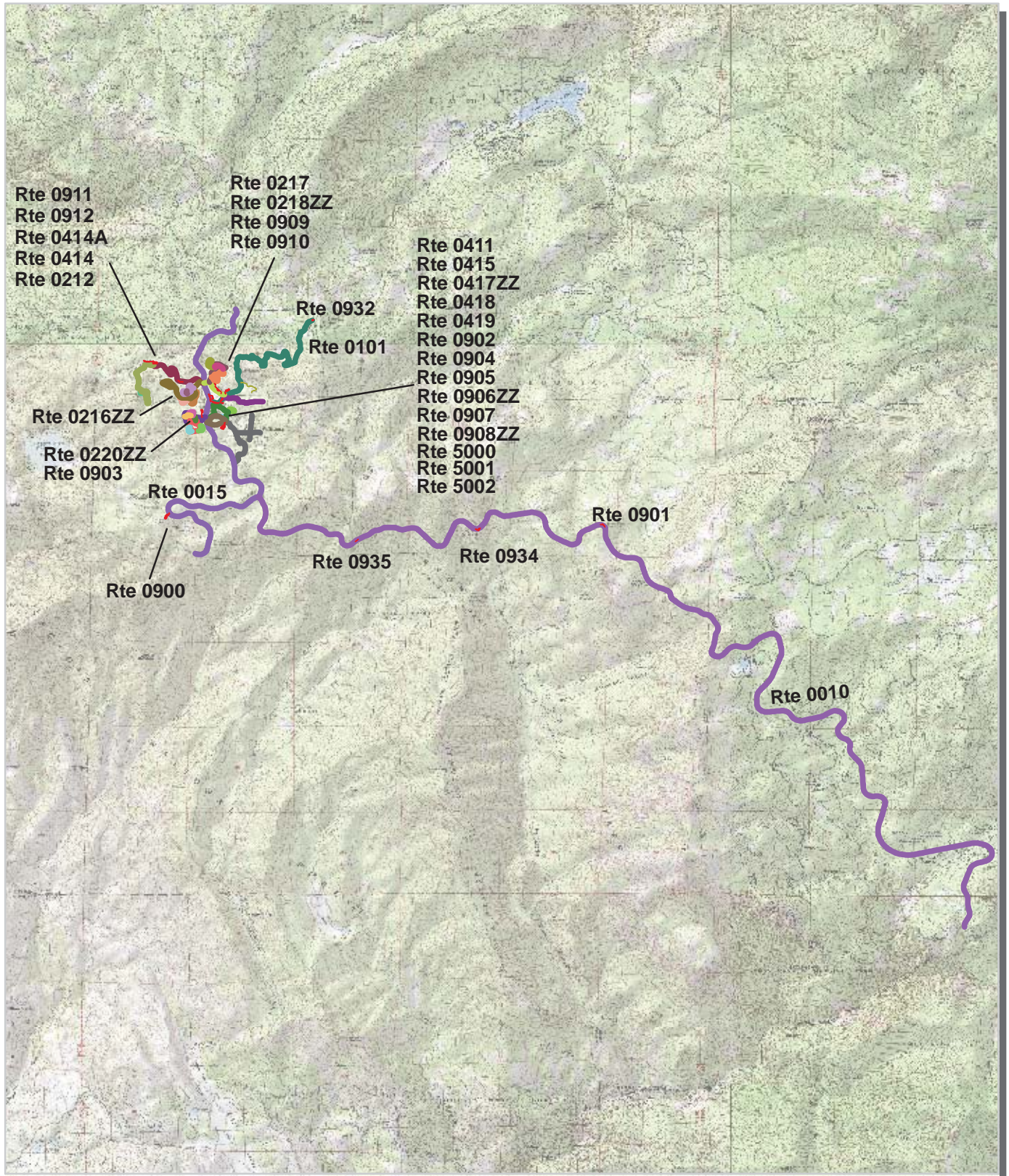
**Kings Canyon National Park
Route Location Map
Key Map**



 Park Owned Routes



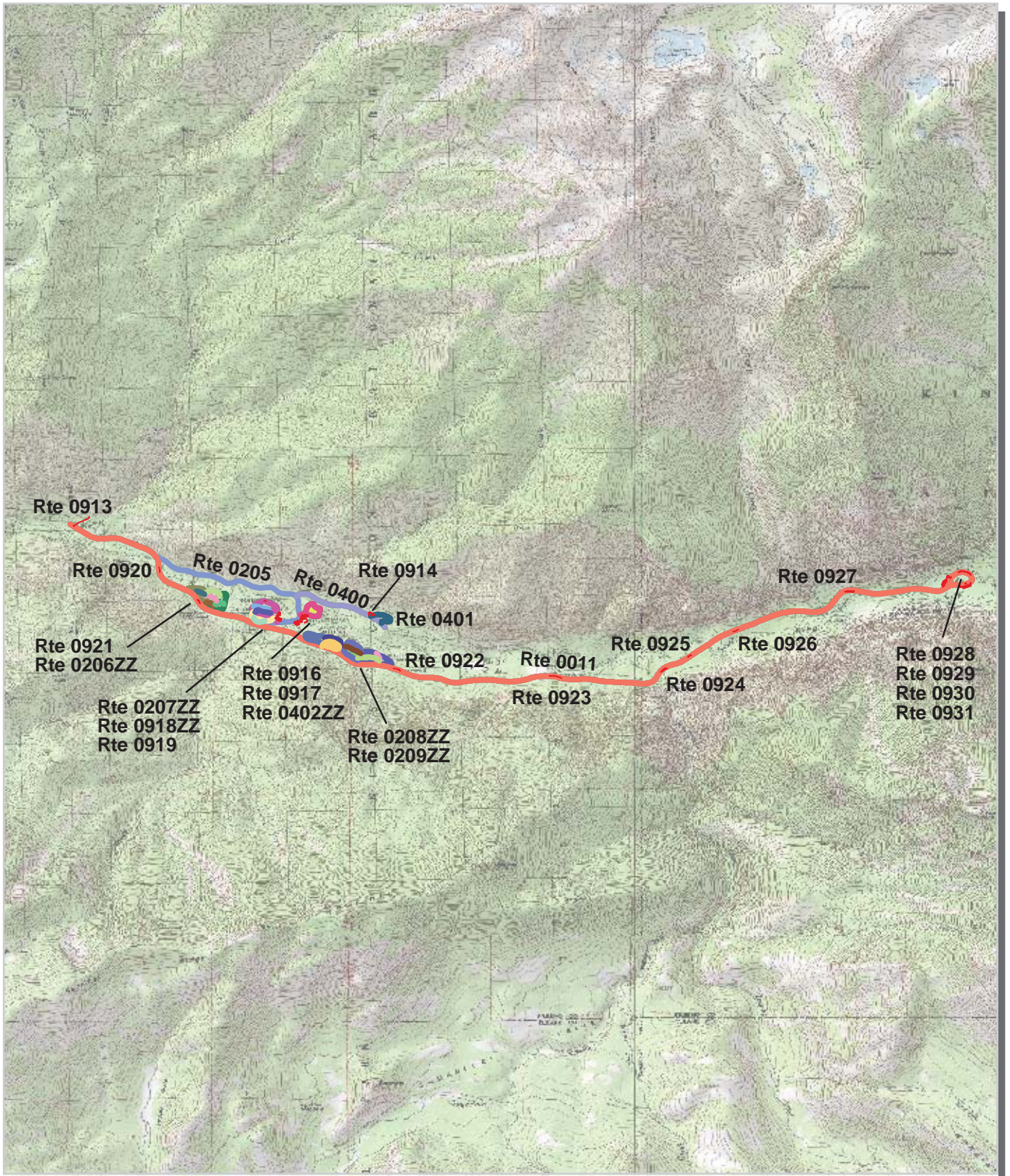
Kings Canyon National Park Route Location Map Area 1



Unique colors used to differentiate routes



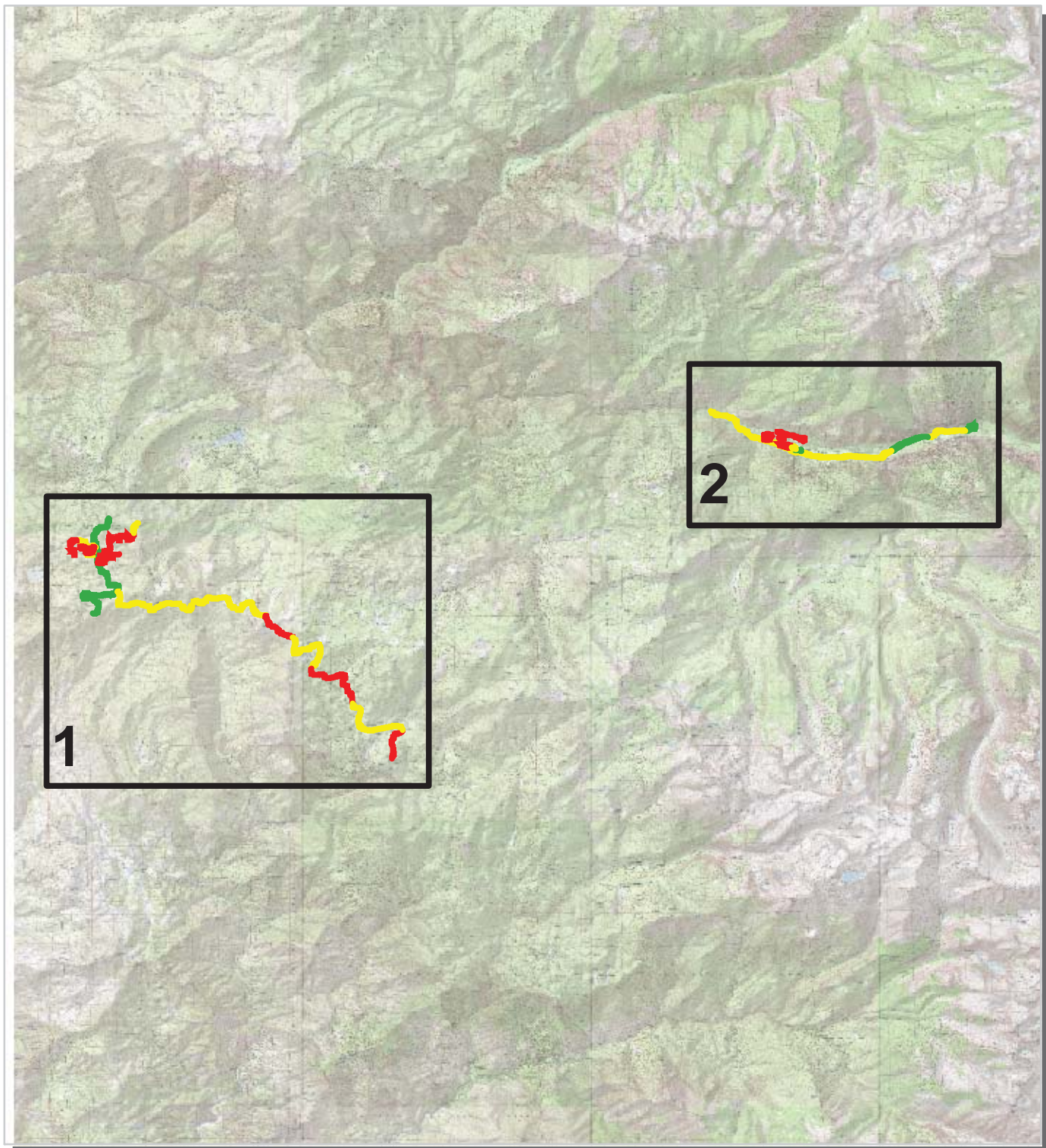
Kings Canyon National Park Route Location Map Area 2



Unique colors used to differentiate routes



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

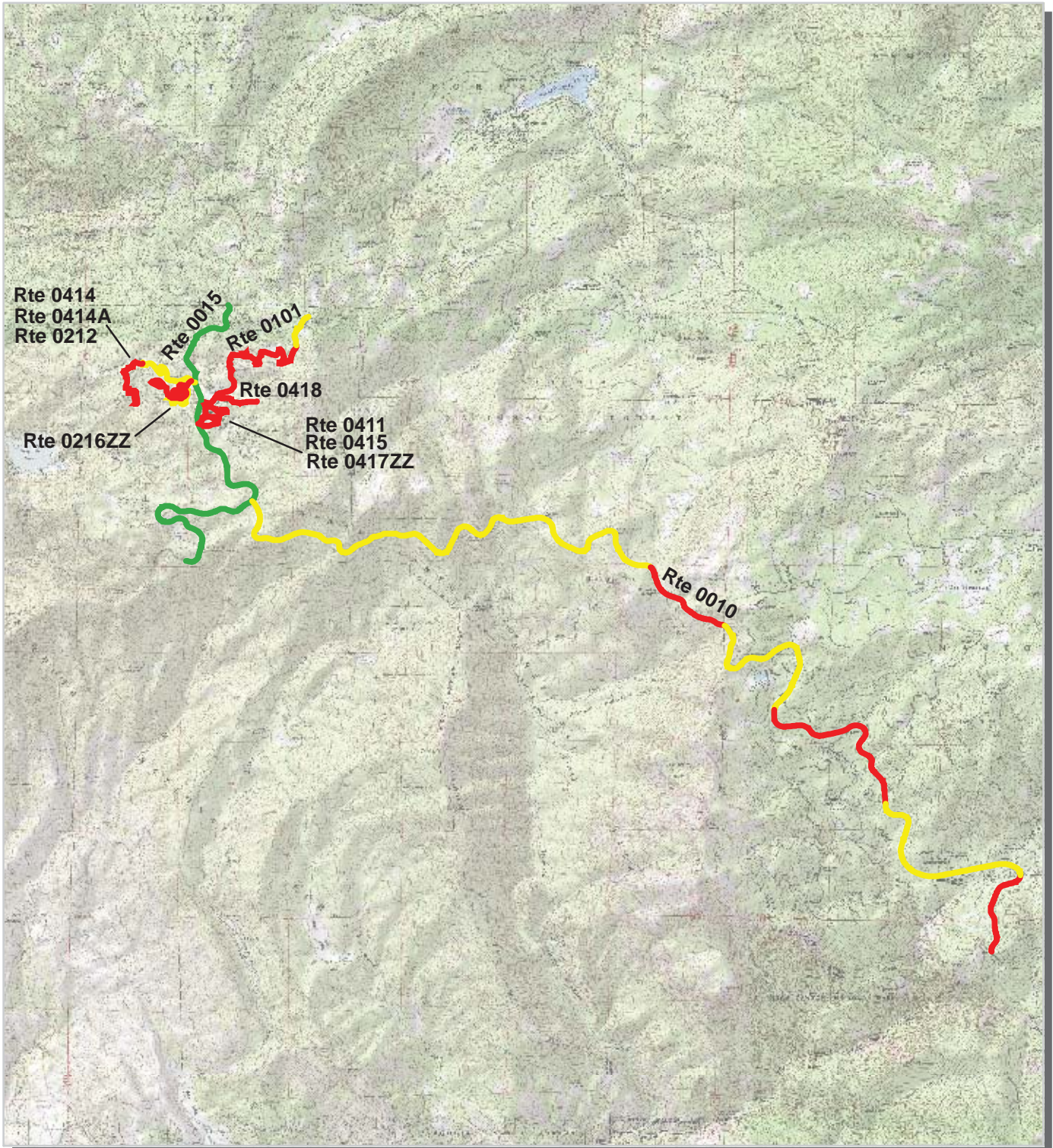


PCR	Poor	Fair	Good	Excellent	No Data
	(≤ 60)	(61 - 84)	(85 - 94)	(95 - 100)	

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



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

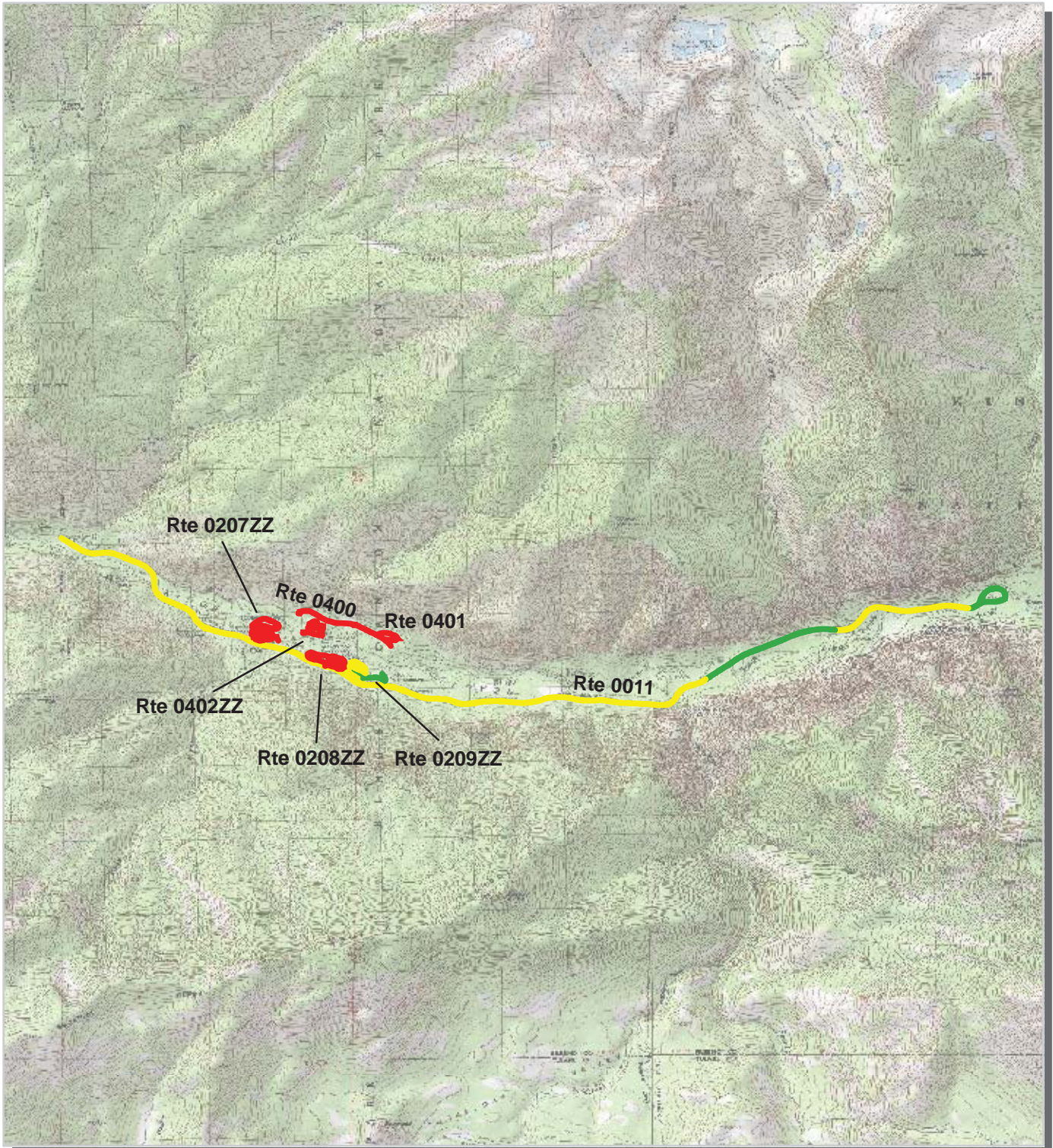


PCR	Poor		Fair		Good		Excellent		No Data	
	(<=60)		(61 - 84)	(85 - 94)	(95 - 100)					

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

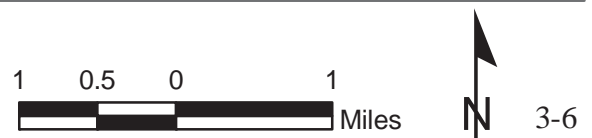


Kings Canyon National Park Route Condition Map PCR - Mile by Mile Area 2



PCR	Poor (≤ 60)	Fair (61 - 84)	Good (85 - 94)	Excellent (95 - 100)	No Data

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



Kings Canyon National Park



Section 4 **Park Route Inventory**

NPS/RIP Route ID Report

Road Inventory Program 10/16/2008

(Numerical By Route #)

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** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

KICA

KINGS CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description		Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
				From	To									
0010	N/A		GENERALS HIGHWAY	FROM BORDER OF SEQUOIA NATIONAL PARK AND NATIONAL FOREST	TO ROUTE 0015	N/A	13.210	0.000	13.210	1		0	AS	1
0011	73050		CEDAR GROVE ROAD	FROM WEST PARK BOUNDARY	TO END OF LOOP	N/A	7.580	0.000	7.580	1		0	AS	2
0015	73052		GRANT GROVE ROAD	FROM SOUTHWEST PARK BOUNDARY	TO NORTH PARK BOUNDARY	N/A	4.700	0.000	4.700	1		0	AS	1
0101	73054		PANORAMIC POINT ROAD	FROM ROUTE 0015 AT MP 3.36 ON RIGHT	TO ROUTE 0932 PANORAMIC POINT PARKING	N/A	2.340	0.000	2.340	2		0	AS	1
0200	73084		CEDAR GROVE MOTOR NATURE ROAD	FROM END OF ROUTE 0400	TO ROUTE 0011	N/A	0.000	3.300	3.300	4		0	GR	
0205	73056		CEDAR GROVE NORTH SIDE ROAD	FROM ROUTE 0011 AT MP 0.70 ON LEFT	TO ROUTE 0011 AT MP 1.78	N/A	1.560	0.000	1.560	3		172,973	AS	2
0206ZZ	73059		SHEEP CREEK CAMPGROUND ROADS	FROM ROUTE 0011 AT MP 1.29 ON LEFT	THROUGH CAMPGROUND	N/A	1.400	0.000	1.400	3		86,956	AS	2
0207ZZ	73060		SENTINEL CAMPGROUND ROADS	FROM ROUTE 0205 ON RIGHT	THROUGH CAMPGROUND	N/A	1.160	0.000	1.160	3		0	AS	2
0208ZZ	73062		CANYON VIEW CAMPGROUND ROADS	FROM ROUTE 0011 AT MP 2.23 ON LEFT	THROUGH CAMPGROUND	N/A	0.840	0.000	0.840	3		0	AS	2
0209ZZ	73063		MORAINE CAMPGROUND ROADS	FROM ROUTE 0011 AT MP 2.53 ON LEFT	THROUGH CAMPGROUND	N/A	1.500	0.000	1.500	3		40,593	AS	2
0212	73065		GRANT TREE ROAD	FROM ROUTE 0015 AT MP 3.58 ON LEFT	TO ROUTE 0912	N/A	0.770	0.000	0.770	3		0	AS	1
0216ZZ	73066		AZALEA CAMPGROUND ROADS	FROM ROUTE 0212 AT MP 0.03 ON LEFT	THROUGH CAMPGROUND	N/A	1.600	0.000	1.600	3		0	AS	1
0217	73067		CRYSTAL SPRINGS ROAD	FROM ROUTE 0015 AT MP 3.58 ON RIGHT	TO ROUTE 0101	N/A	0.280	0.000	0.280	3		24,689	AS	1
0218ZZ	73068		CRYSTAL SPRINGS CAMPGROUND ROADS	FROM ROUTE 0217 ON LEFT	THROUGH CAMPGROUND	N/A	1.210	0.000	1.210	3		83,868	AS	1
0220ZZ	73069		SUNSET CAMPGROUND ROADS	FROM ROUTE 0015 AT MP 3.17 ON LEFT	THROUGH CAMPGROUND	N/A	1.340	0.000	1.340	3		96,194	AS	1
0231	73086		REDWOOD SADDLE ROAD	FROM ROUTE 0010	TO WEST PARK BOUNDARY	N/A	0.000	1.290	1.290	4		0	GR	
0400	73070		CEDAR GROVE RESIDENCE ROAD	FROM ROUTE 0205 ON LEFT	TO END OF PAVEMENT	N/A	0.730	0.000	0.730	5		0	AS	2
0401	73071		CEDAR GROVE RESIDENCE LOOP	FROM ROUTE 0400 AT MP 0.59 ON LEFT	TO ROUTE 0400	N/A	0.240	0.000	0.240	5		0	AS	2
0402ZZ	73072		CEDAR GROVE VILLAGE RESIDENCE LOOP ROADS	FROM ROUTE 0205 ON LEFT	THROUGH RESIDENTIAL AREA	N/A	0.480	0.000	0.480	5		0	AS	2

NPS/RIP Route ID Report

Road Inventory Program 10/16/2008

(Numerical By Route #)

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KICA

KINGS CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0403	73088		HELIPORT SERVICE ROAD	FROM ROUTE 0011 AT MP 2.31 ON RIGHT	TO HELISPOT	N/A	0.000	0.760	0.760	6		0	GR	
0404	73090		CANYON VIEW SERVICE ROAD	FROM ROUTE 0011 AT MP 3.27 ON RIGHT	TO END	N/A	0.000	0.200	0.200	6		0	GR	
0408	73093		LEWIS CREEK RESIDENCE ROAD	FROM ROUTE 0011 AT MP 0.23 ON LEFT	TO END	N/A	0.000	0.200	0.200	6		0	GR	
0411	73074		GRANT GROVE RESIDENCE EAST LOOP	FROM ROUTE 0417ZZ	TO ROUTE 0417ZZ	N/A	0.430	0.000	0.430	6		0	AS	1
0414	73075		SWALE WORK CENTER ROAD	FROM END OF ROUTE 0212	TO END OF LOOP	N/A	0.820	0.000	0.820	6		0	AS	1
0414A	73075		SWALE WORK CENTER LOOP A	FROM ROUTE 0414 AT MP 0.46	TO ROUTE 0414 AT MP 0.4	N/A	0.060	0.000	0.060	6		0	AS	1
0415	73078		GRANT GROVE RESIDENCE UPPER LOOP	FROM ROUTE 0411 AT MP 0.10 ON RIGHT	TO END OF LOOP	N/A	0.120	0.000	0.120	6		0	AS	1
0417ZZ	73079		GRANT GROVE RESIDENCE LOWER LOOP ROADS	FROM ROUTE 0015 AT MP 3.1 ON RIGHT	THROUGH RESIDENCE LOOP	N/A	0.470	0.000	0.470	5		0	AS	1
0418	73080		GRANT GROVE WATER TOWER ACCESS ROAD	FROM ROUTE 0101 AT MP 0.17 ON RIGHT	TO WATER TOWER	N/A	0.410	0.000	0.410	6		0	AS	1
0419	73082		TRAILER RESIDENCE ROAD	FROM ROUTE 0101	TO END	N/A	0.260	0.000	0.260	6		15,227	AS	1
0425	73097		PARK RIDGE ROAD	FROM ROUTE 0101	TO LOOKOUT TOWER	N/A	0.000	2.860	2.860	6		0	GR	
0426	N/A		SERVICE ROAD	FROM ROUTE 0011 AT MP 0.2 ON LEFT	TO END	N/A	0.000	0.139	0.139	6		0	GR	
0900	73099		BIG STUMP PICNIC AREA	ADJACENT TO ROUTE 0015 (SOUTH) AT MP 0.88 ON LEFT		N/A	0.000	0.000	0.000			35,947	AS	1
0901	73101		KINGS CANYON OVERLOOK	ADJACENT TO ROUTE 0010 AT MP 8.58 ON RIGHT		N/A	0.000	0.000	0.000			8,097	AS	1
0902	73103		GRANT GROVE MAINTENANCE AREA	ADJACENT TO ROUTE 0417ZZ		N/A	0.000	0.000	0.000			38,101	AS	1
0903	73104		SUNSET AMPHITHEATER PARKING	FROM ROUTE 0220ZZ	TO PARKING	N/A	0.000	0.000	0.000			24,948	AS	1
0904	73105		GRANT GROVE CONCESSION PARKING	ADJACENT TO ROUTE 0015 AT MP 3.40 ON RIGHT		N/A	0.000	0.000	0.000			16,445	AS	1
0905	73107		GRANT GROVE CONCESSION SERVICE ACCESS	FROM ROUTE 0904	TO LOADING AREA	N/A	0.000	0.000	0.000			8,263	AS	1

NPS/RIP Route ID Report

Road Inventory Program 10/16/2008

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KICA

KINGS CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0906ZZ	73108		GRANT GROVE VISITOR CENTER PARKING AREAS	ADJACENT TO ROUTE 0101 AT MP 0.0 ON LEFT AND RIGHT	N/A	0.000	0.000	0.000			13,198	AS	1
0907	73109		MANZANITA TRAIL PARKING	ADJACENT TO ROUTE 0101 AT MP 0.09 ON RIGHT	N/A	0.000	0.000	0.000			6,324	AS	1
0908ZZ	73110		GRANT GROVE VILLAGE PARKING AREAS	ADJACENT TO ROUTE 0101 AT MP 0.1 ON LEFT AND RIGHT	N/A	0.000	0.000	0.000			7,277	AS	1
0909	73111		JOHN MUIR LODGE PARKING	ADJACENT TO ROUTE 0101 AT MP 0.22	N/A	0.000	0.000	0.000			21,840	AS	1
0910	73112		MEADOW CAMP CABINS ROAD	FROM ROUTE 0217 AT MP 0.2 THROUGH CABIN AREA	N/A	0.000	0.000	0.000			9,246	AS	1
0911	73135		COLUMBINE PICNIC PARKING	ADJACENT TO ROUTE 0212 AT MP 0.24 ON LEFT	N/A	0.000	0.000	0.000			8,282	AS	1
0912	73136		GRANT TREE PARKING	AT END OF ROUTE 0212	N/A	0.000	0.000	0.000			54,511	AS	1
0913	73137		CEDAR GROVE WASTE WATER TREATMENT FACILITY ACCESS	FROM ROUTE 0011 ON LEFT TO END	N/A	0.000	0.000	0.000			11,320	AS	2
0914	73139		CEDAR GROVE MAINTENANCE AREA	FROM ROUTE 0401 AT MP 0.01 TO ROUTE 0400	N/A	0.000	0.000	0.000			15,442	AS	2
0915	104963		CEDAR GROVE CORRAL PARKING	ADJACENT TO ROUTE 0400	N/A	0.000	0.000	0.000			0	GR	
0916	73140		CEDAR GROVE VILLAGE PARKING	FROM ROUTE 0205 TO ROUTE 0402ZZ	N/A	0.000	0.000	0.000			60,206	AS	2
0917	73141		CEDAR GROVE VILLAGE PICNIC PARKING	ADJACENT TO ROUTE 0916	N/A	0.000	0.000	0.000			24,253	AS	2
0918ZZ	73142		CEDAR GROVE VISITOR CENTER PARKING AREAS	ADJACENT TO ROUTE 0207ZZ	N/A	0.000	0.000	0.000			45,872	AS	2
0919	73144		CEDAR GROVE VISITOR CENTER SERVICE LOOP	ADJACENT TO ROUTE 0918ZZ BEHIND VISITOR CENTER	N/A	0.000	0.000	0.000			3,078	AS	2
0920	73145		ROUTE 0011 PARKING AT MP 0.81	ADJACENT TO ROUTE 0011 AT MP 0.81 ON LEFT	N/A	0.000	0.000	0.000			1,899	AS	2
0921	73146		SHEEP CREEK DUMP STATION	ADJACENT TO ROUTE 0011 AT MP 1.21 ON LEFT	N/A	0.000	0.000	0.000			4,242	AS	2
0922	73147		CANYON VIEW PARKING	ADJACENT TO ROUTE 0011 AT MP 2.79 ON LEFT	N/A	0.000	0.000	0.000			5,983	AS	2
0923	73148		KNAPP'S CABIN PARKING	ADJACENT TO ROUTE 0011 AT MP 3.94 ON LEFT	N/A	0.000	0.000	0.000			8,570	AS	2

NPS/RIP Route ID Report

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KICA

KINGS CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0924	73150		ROARING RIVER FALLS PARKING	ADJACENT TO ROUTE 0011 AT MP 4.80 ON RIGHT	N/A	0.000	0.000	0.000			13,608	AS	2
0925	73598		ROUTE 0011 PARKING AT MP 5.02	ADJACENT TO ROUTE 0011 AT MP 5.02 ON LEFT	N/A	0.000	0.000	0.000			5,691	AS	2
0926	73600		ROUTE 0011 PARKING AT MP 5.42	ADJACENT TO ROUTE 0011 AT MP 5.42 ON RIGHT	N/A	0.000	0.000	0.000			3,547	AS	2
0927	73604		ZUMWALT MEADOW PARKING	ADJACENT TO ROUTE 0011 AT MP 6.34 ON RIGHT	N/A	0.000	0.000	0.000			17,653	AS	2
0928	73606		ROAD'S END INFORMATION PARKING	ADJACENT TO ROUTE 0011 AT MP 7.17 ON RIGHT	N/A	0.000	0.000	0.000			46,034	AS	2
0929	73608		ROAD'S END RESTROOM PARKING	ADJACENT TO ROUTE 0011 AT MP 7.24 ON LEFT	N/A	0.000	0.000	0.000			2,522	AS	2
0930	73609		ROAD'S END COPPER CREEK TRAIL PARKING	ADJACENT TO ROUTE 0011 AT MP 7.33 ON RIGHT	N/A	0.000	0.000	0.000			20,298	AS	2
0931	73611		ROAD'S END LONG TERM PARKING	ADJACENT TO ROUTE 0011 AT MP 7.49 ON RIGHT	N/A	0.000	0.000	0.000			43,704	AS	2
0932	73613		PANORAMIC POINT PARKING	AT END OF ROUTE 0101	N/A	0.000	0.000	0.000			6,390	AS	1
0933	104961		GRANT GROVE CORRAL PARKING	ADJACENT TO ROUTE 0015 AT MP 3.73 ON LEFT	N/A	0.000	0.000	0.000			0	GR	
0934	73614		REDWOOD CANYON OVERLOOK PARKING	ADJACENT TO ROUTE 0010 AT MP 10.20 ON LEFT	N/A	0.000	0.000	0.000			13,650	AS	1
0935	73617		ROUTE 0010 PARKING AT MP 11.72	ADJACENT TO ROUTE 0010 AT MP 11.72 ON LEFT	N/A	0.000	0.000	0.000			2,183	AS	1
0936A	N/A		SWALE WORK CENTER PARKING A	FROM ROUTE 0414 ON LEFT TO PARKING	N/A	0.000	0.000	0.000			0	AS	1
0936B	N/A		SWALE WORK CENTER PARKING B	FROM ROUTE 0414 ON RIGHT TO PARKING	N/A	0.000	0.000	0.000			0	AS	1
0937	N/A		ARROWHEAD INTERAGENCY HOTSHOT CREW PARKING	FROM ROUTE 0414 TO PARKING	N/A	0.000	0.000	0.000			0	AS	1
5000	N/A		PARK ROAD / WILSONIA ROAD	FROM ROUTE 0010 TO ROUTE 0417AZ	N/A	0.630	0.000	0.630	1		0	AS	1
5001	N/A		LILAC LANE	FROM WILSONIA ROAD TO END OF PAVEMENT	N/A	0.230	0.000	0.230	1		0	AS	1
5002	N/A		HAZEL LANE	FROM LAUREL LANE TO FERN LANE	N/A	0.290	0.000	0.290	1		0	AS	1

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

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

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

5000 route numbers are assigned to Non-NPS Routes that are State, County or City owned which border, traverse, or provide access to Park Facilities or Assets. 5000 Routes are driven for GPS, Video Log and Road Features only.

Surface Type Abbreviations:

- AS - Asphaltic Concrete Pavement**
- CO - Portland Cement Concrete Pavement**
- BR - Brick or Pavers Road Bed**
- CB - Cobble Stone Road Bed**
- GR - Gravel Road Bed**
- SA - Sand Road Bed**
- NV - Native or Dirt Material Road Bed**
- OT - Other Materials Road Bed**

NPS/RIP Subcomponent Details for KICA

Road Inventory Program 10/16/2008

(Numerical By Subcomponent #)

Page 1 of 6

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

■ = Concession Route Flag ON

■ = Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

KICA

KINGS CANYON NATIONAL PARK

Asset Entered in FMSS System

Rte. No.	FMSS No.	Sub Comp	Route Description		Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From To						
0206ZZ	73059		SHEEP CREEK CAMPGROUND ROADS	FROM ROUTE 0011 AT MP 1.29 ON LEFT THROUGH CAMPGROUND		3	1.40	0.00	1.40	86,956
0207ZZ	73060		SENTINEL CAMPGROUND ROADS	FROM ROUTE 0205 ON RIGHT THROUGH CAMPGROUND		3	1.16	0.00	1.16	0
0208ZZ	73062		CANYON VIEW CAMPGROUND ROADS	FROM ROUTE 0011 AT MP 2.23 ON LEFT THROUGH CAMPGROUND		3	0.84	0.00	0.84	0
0209ZZ	73063		MORAINES CAMPGROUND ROADS	FROM ROUTE 0011 AT MP 2.53 ON LEFT THROUGH CAMPGROUND		3	1.50	0.00	1.50	40,593
0216ZZ	73066		AZALEA CAMPGROUND ROADS	FROM ROUTE 0212 AT MP 0.03 ON LEFT THROUGH CAMPGROUND		3	1.60	0.00	1.60	0
0218ZZ	73068		CRYSTAL SPRINGS CAMPGROUND ROADS	FROM ROUTE 0217 ON LEFT THROUGH CAMPGROUND		3	1.21	0.00	1.21	83,868
0220ZZ	73069		SUNSET CAMPGROUND ROADS	FROM ROUTE 0015 AT MP 3.17 ON LEFT THROUGH CAMPGROUND		3	1.34	0.00	1.34	96,194
0402ZZ	73072		CEDAR GROVE VILLAGE RESIDENCE LOOP ROADS	FROM ROUTE 0205 ON LEFT THROUGH RESIDENTIAL AREA		5	0.48	0.00	0.48	0
0417ZZ	73079		GRANT GROVE RESIDENCE LOWER LOOP ROADS	FROM ROUTE 0015 AT MP 3.1 ON RIGHT THROUGH RESIDENCE LOOP		5	0.47	0.00	0.47	0
0906ZZ	73108		GRANT GROVE VISITOR CENTER PARKING AREAS	ADJACENT TO ROUTE 0101 AT MP 0.0 ON LEFT AND RIGHT			0.00	0.00	0.00	13,198
0908ZZ	73110		GRANT GROVE VILLAGE PARKING AREAS	ADJACENT TO ROUTE 0101 AT MP 0.1 ON LEFT AND RIGHT			0.00	0.00	0.00	7,277
0918ZZ	73142		CEDAR GROVE VISITOR CENTER PARKING AREAS	ADJACENT TO ROUTE 0207ZZ			0.00	0.00	0.00	45,872

NPS/RIP Subcomponent Details for KICA

Road Inventory Program 10/16/2008

(Numerical By Subcomponent #)

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Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

KICA

KINGS CANYON NATIONAL PARK

Asset KICA-0206ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0206AZ	73059		SHEEP CREEK CAMPGROUND ROAD A	FROM ROUTE 0206BZ ON RIGHT	TO END OF LOOP		3	0.48	0.00	0.48	29,652
0206BZ	73059		SHEEP CREEK CAMPGROUND ROAD B	FROM ROUTE 0011	TO END OF LOOP		3	0.46	0.00	0.46	28,417
0206CZ	73059		SHEEP CREEK CAMPGROUND ROAD C	FROM ROUTE 0206AZ ON LEFT	TO ROUTE 0206BZ		4	0.06	0.00	0.06	3,928
0206DZ	73059		SHEEP CREEK CAMPGROUND ROAD D	FROM ROUTE 0206AZ ON RIGHT	TO ROUTE 0206AZ		3	0.07	0.00	0.07	4,398
0206EZ	73059		SHEEP CREEK CAMPGROUND ROAD E	FROM ROUTE 0206AZ ON LEFT	TO ROUTE 0206BZ		3	0.10	0.00	0.10	6,230
0206FZ	73059		SHEEP CREEK CAMPGROUND ROAD F	FROM ROUTE 0206AZ ON LEFT	TO ROUTE 0206BZ		3	0.15	0.00	0.15	9,346
0206GZ	73059		SHEEP CREEK CAMPGROUND ROAD G	FROM ROUTE 0206BZ ON RIGHT	TO ROUTE 0206BZ		3	0.08	0.00	0.08	4,984

Asset KICA-0207ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0207AZ	73060		SENTINEL CAMPGROUND ROAD A	FROM ROUTE 0205 ON LEFT	TO END OF LOOP		3	0.60	0.00	0.60	0
0207BZ	73060		SENTINEL CAMPGROUND ROAD B	FROM ROUTE 0207AZ AT MP 0.05 ON LEFT	TO ROUTE 0207AZ		3	0.22	0.00	0.22	0
0207CZ	73060		SENTINEL CAMPGROUND ROAD C	FROM ROUTE 0207AZ AT MP 0.10 ON LEFT	TO ROUTE 0207AZ		3	0.12	0.00	0.12	0
0207DZ	73060		SENTINEL CAMPGROUND ROAD D	FROM ROUTE 0207AZ AT MP 0.13 ON LEFT	TO ROUTE 0207AZ		3	0.12	0.00	0.12	0
0207EZ	73060		SENTINEL CAMPGROUND ROAD E	FROM ROUTE 0207BZ AT MP 0.15 ON LEFT	TO ROUTE 0207BZ		3	0.10	0.00	0.10	0

NPS/RIP Subcomponent Details for KICA

Road Inventory Program 10/16/2008

(Numerical By Subcomponent #)

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Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

KICA

KINGS CANYON NATIONAL PARK

Asset KICA-0208ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0208AZ	73062		CANYON VIEW CAMPGROUND ROAD A	FROM ROUTE 0011 AT MP 2.23 ON LEFT	TO END OF LOOP		3	0.31	0.00	0.31	0
0208BZ	73062		CANYON VIEW CAMPGROUND ROAD B	FROM ROUTE 0208AZ AT MP 0.15 ON RIGHT	TO ROUTE 0208CZ		3	0.18	0.00	0.18	0
0208CZ	73062		CANYON VIEW CAMPGROUND ROAD C	FROM ROUTE 0208AZ AT MP 0.28 ON RIGHT	TO ROUTE 0208AZ		3	0.35	0.00	0.35	0

Asset KICA-0209ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0209AZ	73063		MORaine CAMPGROUND ROAD A	FROM ROUTE 0011 AT MP 2.53 ON LEFT	TO ROUTE 0011		3	0.62	0.00	0.62	40,593
0209BZ	73063		MORaine CAMPGROUND ROAD B	FROM ROUTE 0209AZ ON LEFT	TO ROUTE 0209AZ		3	0.10	0.00	0.10	0
0209CZ	73063		MORaine CAMPGROUND ROAD C	FROM ROUTE 0209BZ AT MP 0.03 ON LEFT	TO ROUTE 0209AZ		3	0.16	0.00	0.16	0
0209DZ	73063		MORaine CAMPGROUND ROAD D	FROM ROUTE 0209AZ ON RIGHT	TO ROUTE 0209AZ		3	0.37	0.00	0.37	0
0209EZ	73063		MORaine CAMPGROUND ROAD E	FROM ROUTE 0209DZ AT MP 0.12 ON RIGHT	TO ROUTE 0209AZ		3	0.12	0.00	0.12	0
0209FZ	73063		MORaine CAMPGROUND ROAD F	FROM ROUTE 0209DZ AT MP 0.18 ON RIGHT	TO ROUTE 0209AZ		3	0.13	0.00	0.13	0

NPS/RIP Subcomponent Details for KICA

Road Inventory Program 10/16/2008

(Numerical By Subcomponent #)

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Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

KICA

KINGS CANYON NATIONAL PARK

Asset KICA-0216ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0216AZ	73066		AZALEA CAMPGROUND ROAD A	FROM ROUTE 0212 AT MP 0.03 ON LEFT	TO END OF LOOP		3	0.77	0.00	0.77	0
0216BZ	73066		AZALEA CAMPGROUND ROAD B	FROM ROUTE 0216AZ AT MP 0.34 ON RIGHT	TO END OF LOOP		3	0.34	0.00	0.34	0
0216CZ	73066		AZALEA CAMPGROUND ROAD C	FROM ROUTE 0216BZ AT MP 0.15 ON LEFT	TO ROUTE 0216BZ		1	0.03	0.00	0.03	0
0216DZ	73066		AZALEA CAMPGROUND ROAD D	FROM ROUTE 0216AZ AT MP 0.25 ON LEFT	TO ROUTE 0216AZ		3	0.26	0.00	0.26	0
0216EZ	73066		AZALEA CAMPGROUND ROAD E	FROM ROUTE 0216AZ AT MP 0.34 ON LEFT	TO ROUTE 0216AZ		3	0.20	0.00	0.20	0

Asset KICA-0218ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0218AZ	73068		CRYSTAL SPRINGS CAMPGROUND ROAD A	FROM ROUTE 0217	TO END OF LOOP		3	0.47	0.00	0.47	33,750
0218BZ	73068		CRYSTAL SPRINGS CAMPGROUND ROAD B	FROM ROUTE 0218AZ	TO END OF LOOP		3	0.38	0.00	0.38	25,281
0218CZ	73068		CRYSTAL SPRINGS CAMPGROUND ROAD C	FROM ROUTE 0218AZ	TO ROUTE 0218AZ		3	0.24	0.00	0.24	16,474
0218DZ	73068		CRYSTAL SPRINGS CAMPGROUND ROAD D	FROM ROUTE 0218AZ	TO ROUTE 0218AZ		3	0.12	0.00	0.12	8,364

NPS/RIP Subcomponent Details for KICA

Shading Color Key:
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Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

KICA

KINGS CANYON NATIONAL PARK

Asset KICA-0220ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0220AZ	73069	■	SUNSET CAMPGROUND ROAD A	FROM ROUTE 0015 AT MP 3.17 ON LEFT	TO END OF LOOP		3	0.51	0.00	0.51	36,622
0220BZ	73069	■	SUNSET CAMPGROUND ROAD B	FROM ROUTE 0220AZ AT MP 0.2 ON LEFT	TO ROUTE 0220AZ		3	0.43	0.00	0.43	30,877
0220CZ	73069	■	SUNSET CAMPGROUND ROAD C	FROM ROUTE 0220AZ	TO ROUTE 0220AZ		3	0.05	0.00	0.05	3,511
0220DZ	73069	■	SUNSET CAMPGROUND ROAD D	FROM ROUTE 0220AZ	TO ROUTE 0220AZ		3	0.08	0.00	0.08	5,745
0220EZ	73069	■	SUNSET CAMPGROUND ROAD E	FROM ROUTE 0220BZ	TO ROUTE 0220AZ		3	0.07	0.00	0.07	4,731
0220FZ	73069	■	SUNSET CAMPGROUND ROAD F	FROM ROUTE 0220BZ	TO ROUTE 0220BZ		3	0.09	0.00	0.09	6,460
0220GZ	73069	■	SUNSET CAMPGROUND ROAD G	FROM ROUTE 0220BZ	TO ROUTE 0220BZ		3	0.11	0.00	0.11	8,247

Asset KICA-0402ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0402AZ	73072	■	CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD A	FROM ROUTE 0205 ON LEFT	TO END OF LOOP		5	0.39	0.00	0.39	0
0402BZ	73072	■	CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD B	FROM ROUTE 0402AZ AT MP .17 ON LEFT	TO ROUTE 0402AZ		5	0.09	0.00	0.09	0

Asset KICA-0417ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0417AZ	73079	■	GRANT GROVE RESIDENCE LOWER LOOP ROAD A	FROM ROUTE 0015 AT MP 3.10 ON RIGHT	END OF LOOP		5	0.42	0.00	0.42	0
0417BZ	73079	■	GRANT GROVE RESIDENCE LOWER LOOP ROAD B	FROM ROUTE 0417AZ AT MP 0.24 ON RIGHT	TO ROUTE 0417AZ		5	0.05	0.00	0.05	0

NPS/RIP Subcomponent Details for KICA

Road Inventory Program 10/16/2008

(Numerical By Subcomponent #)

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Shading Color Key:

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White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

■ = Concession Route Flag ON

■ = Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

KICA

KINGS CANYON NATIONAL PARK

Asset KICA-0906ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0906AZ	73108	■	GRANT GROVE VISITOR CENTER PARKING AREA A	ADJACENT TO ROUTE 0101 AT MP 0.06 ON RIGHT				0.00	0.00	0.00	7,630
0906BZ	73108	■	GRANT GROVE VISITOR CENTER PARKING AREA B	ADJACENT TO ROUTE 0101 AT MP 0.05 ON LEFT				0.00	0.00	0.00	3,125
0906CZ	73108	■	GRANT GROVE VISITOR CENTER PARKING AREA C	ADJACENT TO ROUTE 0101 AT MP 0.08 ON LEFT				0.00	0.00	0.00	2,442

Asset KICA-0908ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0908AZ	73110	■	GRANT GROVE VILLAGE PARKING AREA A	ADJACENT TO ROUTE 0101 AT MP 0.14 ON RIGHT				0.00	0.00	0.00	3,584
0908BZ	73110	■	GRANT GROVE VILLAGE PARKING AREA B	ADJACENT TO ROUTE 0101 AT MP 0.13 ON LEFT				0.00	0.00	0.00	3,693

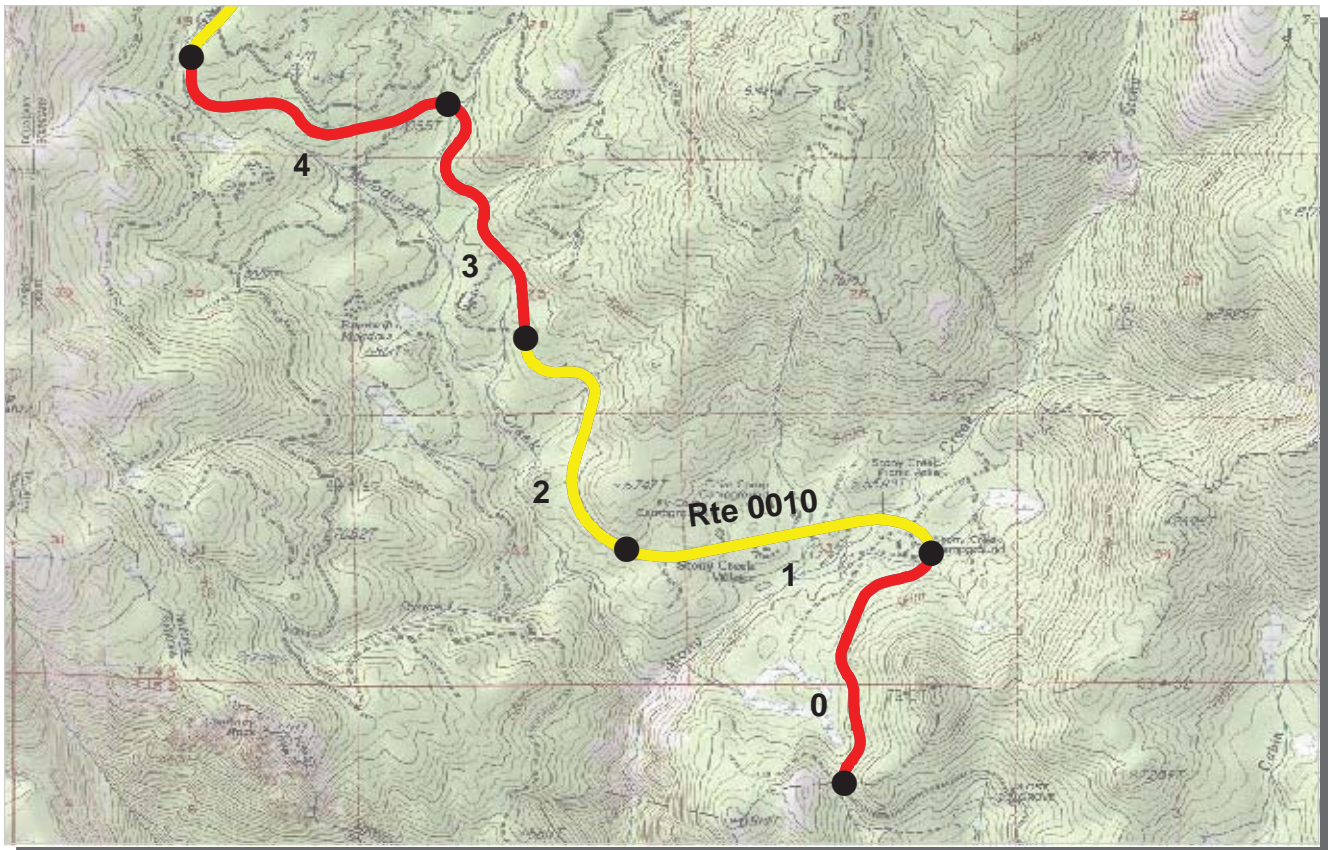
Asset KICA-0918ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0918AZ	73142	■	CEDAR GROVE VISITOR CENTER PARKING AREA A	ADJACENT TO ROUTE 0207AZ AT MP 0.03 ON RIGHT				0.00	0.00	0.00	43,686
0918BZ	73142	■	CEDAR GROVE VISITOR CENTER PARKING AREA B	ADJACENT TO ROUTE 0207AZ AT MP 0.31 ON RIGHT				0.00	0.00	0.00	2,186

Kings Canyon National Park



Section 5 **Paved Route Condition Rating Sheets** **(CRS)**



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=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

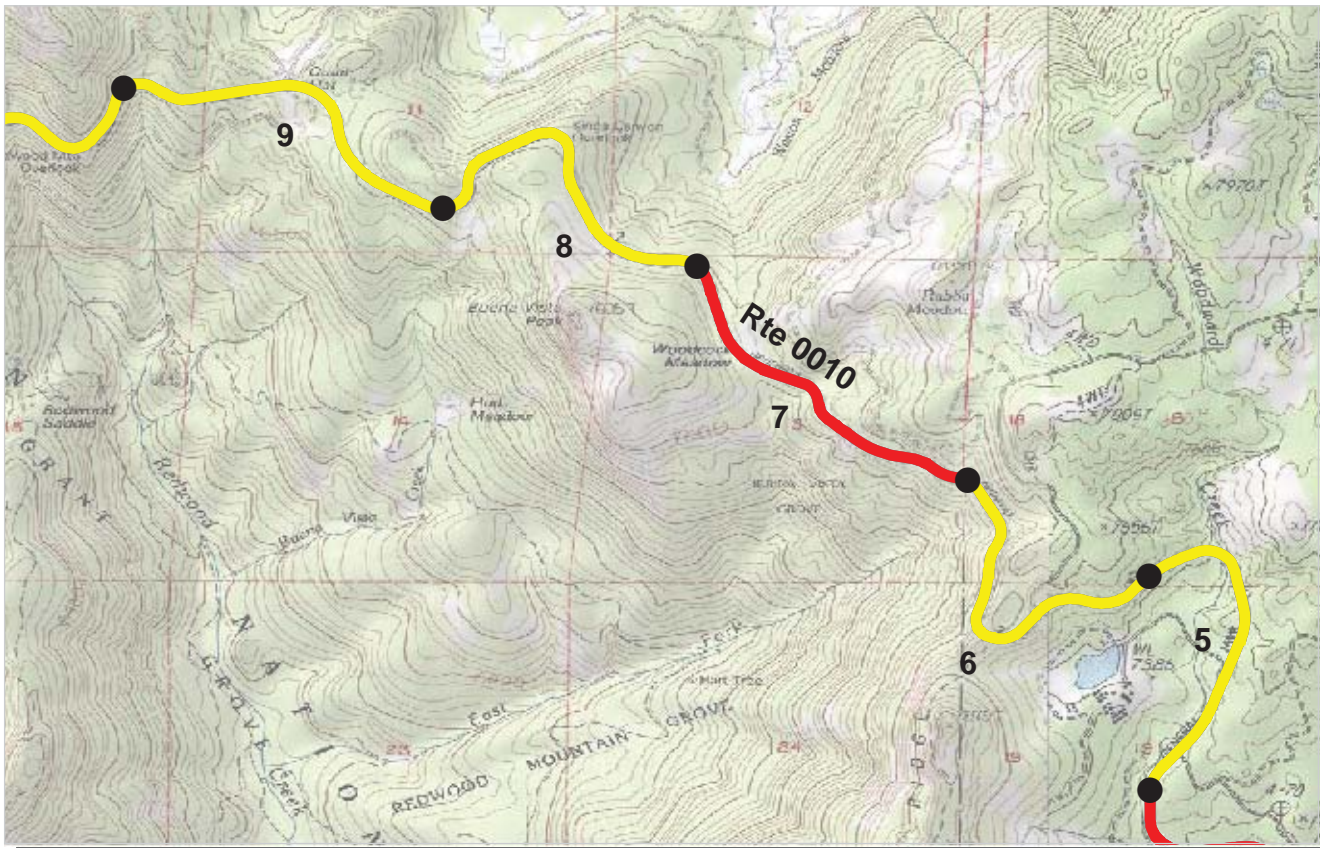
COLLECTED: 8/25/2007
TOTAL LENGTH: 13.21 Miles

ROUTE: 0010 GENERALS HIGHWAY

<i>Section Number</i>	0	1	2	3	4
<i>Section Length (mi)</i>	1.00	1.00	1.00	1.00	1.00
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	25	22	21	22	23
Lane Width (ft)	10	9	10	10	11
Shoulder Width Right (ft)**	1	3	3	2	2
Shoulder Width Left (ft)**	6	0	3	3	3
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	51	71	57	46	41
PCR (Pavement Condition Rating)	53	70	62	55	51
<i>Distress Index Values</i>					
Alligator Cracking Index	57	85	71	57	55
Longitudinal Cracking Index	96	94	94	94	94
Transverse Cracking Index	99	96	97	96	94
Patching Index	100	100	99	100	100
Rutting Index	95	96	95	94	94
Roughness Condition Index (RCI)	58	68	69	68	66

ROUTE: 0010 GENERALS HIGHWAY

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

COLLECTED: 8/25/2007

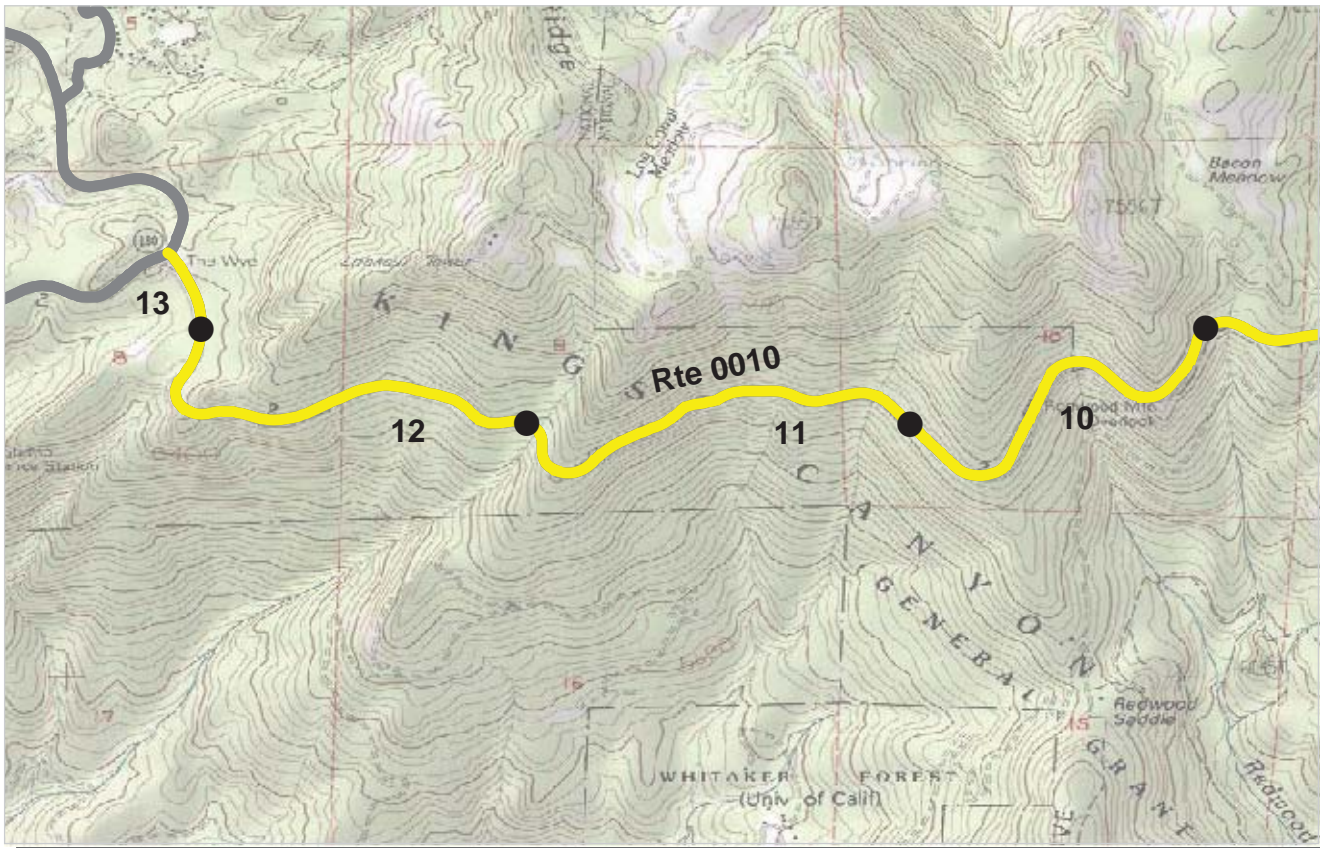
ROUTE: 0010 GENERALS HIGHWAY

TOTAL LENGTH: 13.21 Miles

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	21	22	23	24
Lane Width (ft)	10	10	10	10	10
Shoulder Width Right (ft)**	2	2	5	5	0
Shoulder Width Left (ft)**	3	3	4	3	0
Roadway Condition Information					
SCR (Surface Condition Rating)	68	75	37	76	76
PCR (Pavement Condition Rating)	70	72	47	72	76
Distress Index Values					
Alligator Cracking Index	80	89	47	85	88
Longitudinal Cracking Index	97	96	95	98	98
Transverse Cracking Index	95	97	97	96	96
Patching Index	100	99	96	100	100
Rutting Index	96	95	94	95	94
Roughness Condition Index (RCI)	73	67	62	66	76

ROUTE: 0010 GENERALS HIGHWAY

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

COLLECTED: 8/25/2007

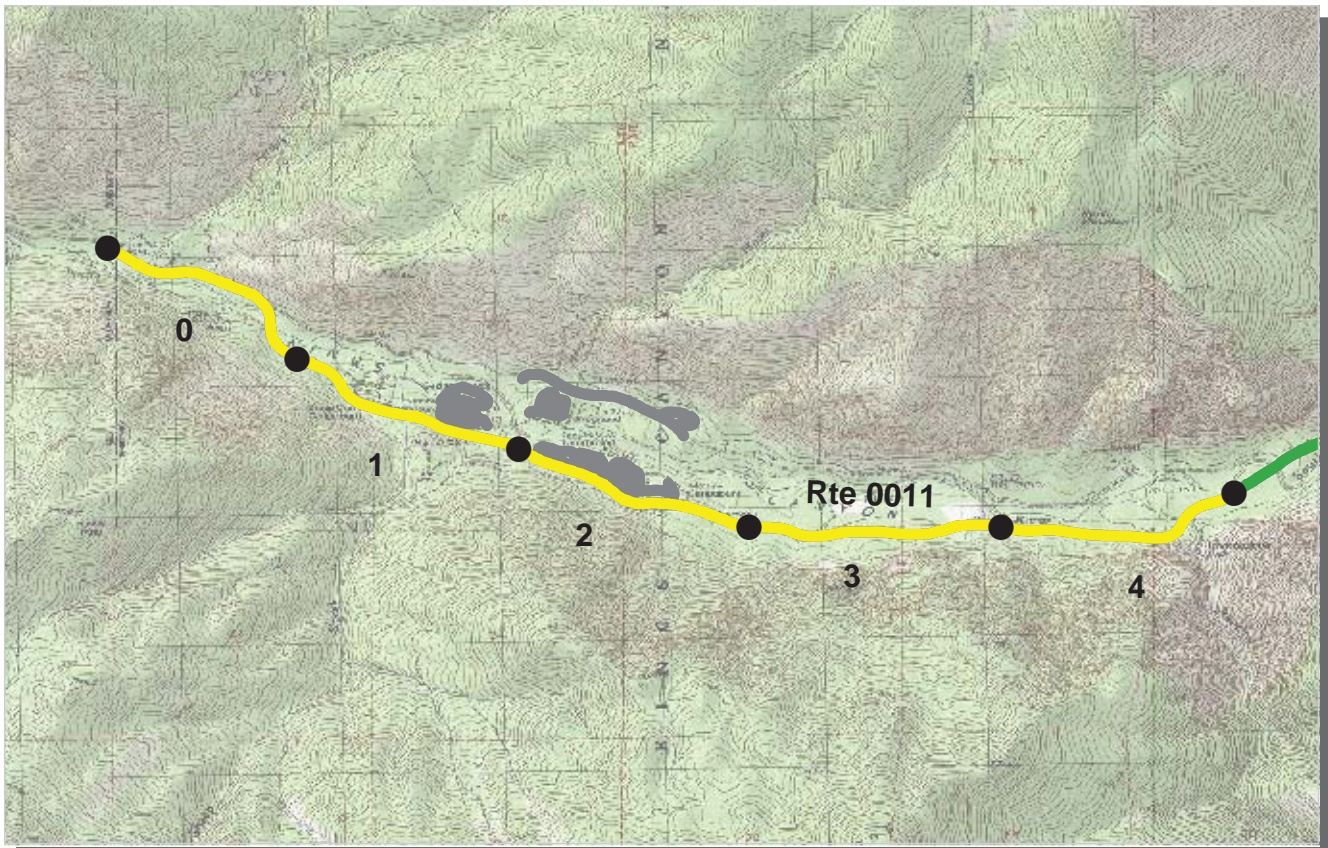
ROUTE: 0010 GENERALS HIGHWAY

TOTAL LENGTH: 13.21 Miles

Section Number	10	11	12	13	
Section Length (mi)	1.00	1.00	1.00	0.21	
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	
Paved Width (ft)	22	24	24	23	
Lane Width (ft)	9	10	11	10	
Shoulder Width Right (ft)**	4	2	3	1	
Shoulder Width Left (ft)**	2	3	1	1	
Roadway Condition Information					
SCR (Surface Condition Rating)	71	75	73	69	
PCR (Pavement Condition Rating)	69	71	79	79	
Distress Index Values					
Alligator Cracking Index	80	85	100	100	
Longitudinal Cracking Index	98	98	99	100	
Transverse Cracking Index	99	99	100	100	
Patching Index	100	99	100	100	
Rutting Index	93	92	74	70	
Roughness Condition Index (RCI)	66	66	88	95	

ROUTE: 0010 GENERALS HIGHWAY

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=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

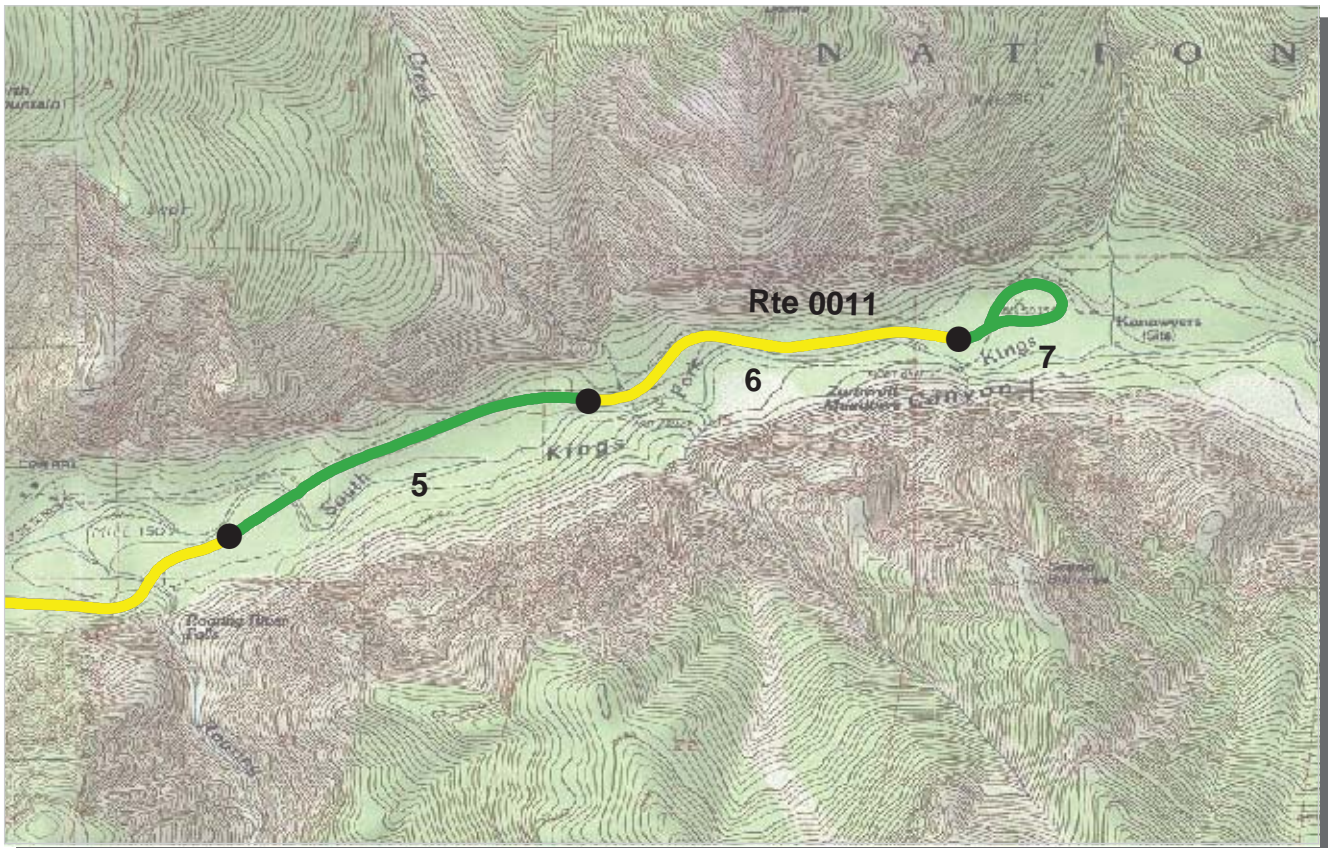
COLLECTED: 8/23/2007
TOTAL LENGTH: 7.58 Miles

ROUTE: 0011 CEDAR GROVE ROAD

<i>Section Number</i>	0	1	2	3	4
<i>Section Length (mi)</i>	1.00	1.00	1.00	1.00	1.00
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	1	2	2	2	2
Paved Width (ft)	13	25	27	24	25
Lane Width (ft)	13	12	12	11	11
Shoulder Width Right (ft)**	11	3	3	4	3
Shoulder Width Left (ft)**	0	6	4	3	3
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	85	79	59	59	72
PCR (Pavement Condition Rating)	84	81	71	70	79
<i>Distress Index Values</i>					
Alligator Cracking Index	100	99	94	92	99
Longitudinal Cracking Index	99	97	96	95	98
Transverse Cracking Index	98	99	97	96	97
Patching Index	99	99	100	100	99
Rutting Index	89	85	72	75	78
Roughness Condition Index (RCI)	84	86	90	86	89

ROUTE: 0011 CEDAR GROVE ROAD

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

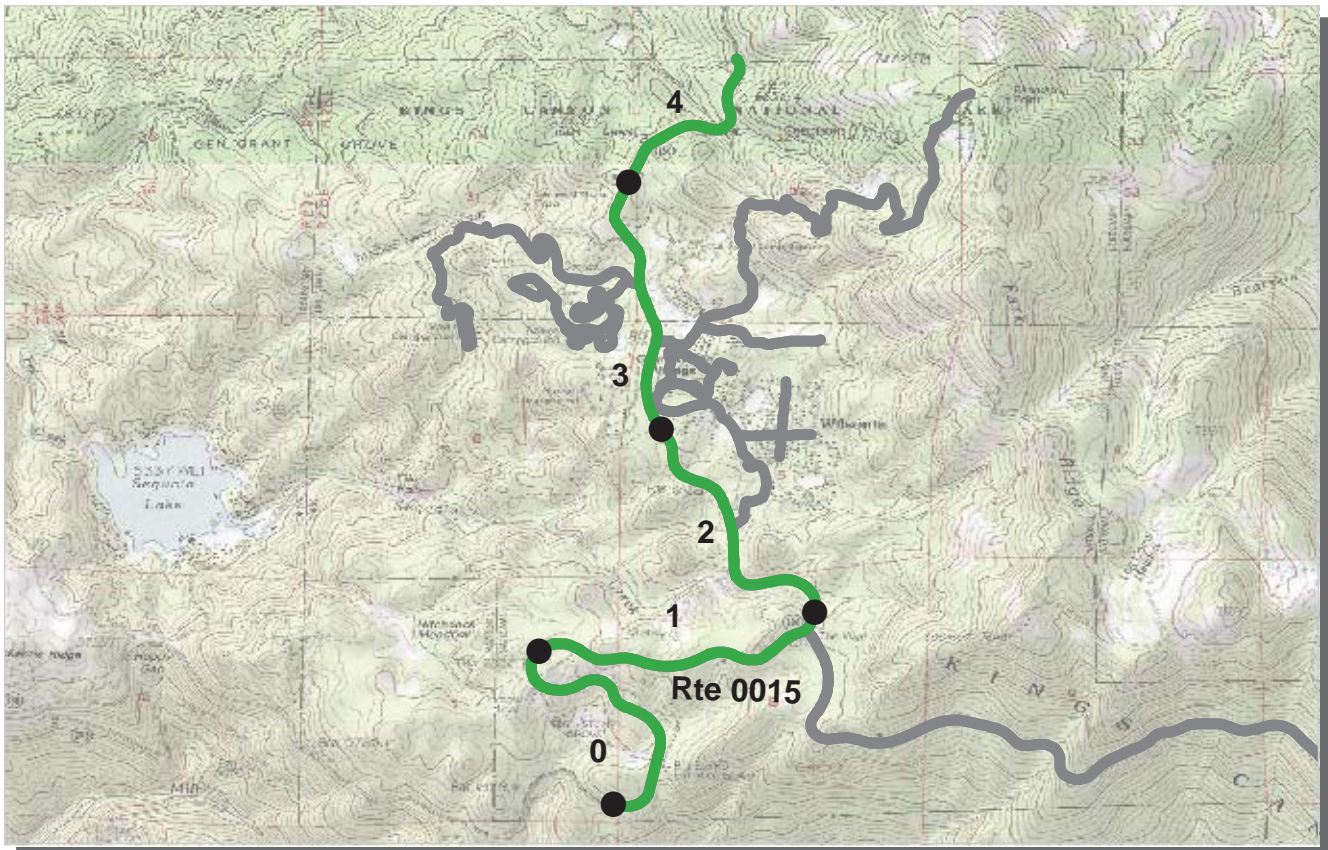
COLLECTED: 8/23/2007
TOTAL LENGTH: 7.58 Miles

ROUTE: 0011 CEDAR GROVE ROAD

Section Number	5	6	7		
Section Length (mi)	1.00	1.00	0.58		
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	22	25	21		
Lane Width (ft)	11	10	10		
Shoulder Width Right (ft)**	4	4	3		
Shoulder Width Left (ft)**	4	3	3		
Roadway Condition Information					
SCR (Surface Condition Rating)	88	86	86		
PCR (Pavement Condition Rating)	87	84	86		
Distress Index Values					
Alligator Cracking Index	100	99	100		
Longitudinal Cracking Index	99	98	97		
Transverse Cracking Index	97	98	98		
Patching Index	99	100	100		
Rutting Index	93	91	91		
Roughness Condition Index (RCI)	86	82	87		

ROUTE: 0011 CEDAR GROVE ROAD

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=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

COLLECTED: 8/26/2007
TOTAL LENGTH: 4.70 Miles

ROUTE: 0015 GRANT GROVE ROAD

<i>Section Number</i>	0	1	2	3	4
<i>Section Length (mi)</i>	1.00	1.00	1.00	1.00	0.70
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	1	2	2	2	2
Paved Width (ft)	13	27	27	26	26
Lane Width (ft)	11	11	10	11	11
Shoulder Width Right (ft)**	3	3	3	2	3
Shoulder Width Left (ft)**	0	3	2	3	2
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	85	84	83	88	87
PCR (Pavement Condition Rating)	89	89	89	91	92
<i>Distress Index Values</i>					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Rutting Index	85	84	83	89	87
Roughness Condition Index (RCI)	94	97	98	96	99

ROUTE: 0015 GRANT GROVE ROAD

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=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

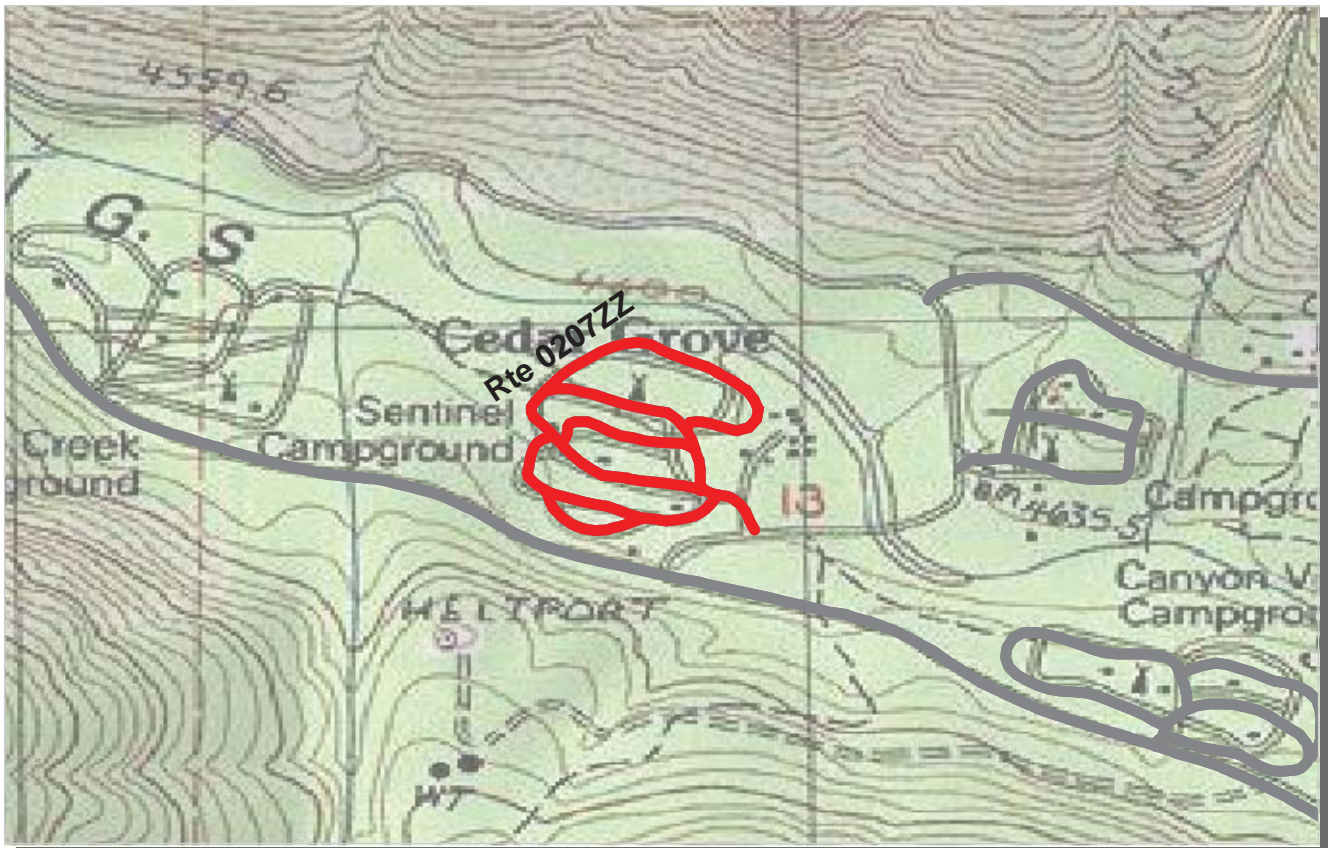
COLLECTED: 8/26/2007
TOTAL LENGTH: 2.34 Miles

ROUTE: 0101 PANORAMIC POINT ROAD

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.34		
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1	1	1		
Paved Width (ft)	22	13	13		
Lane Width (ft)	22	13	13		
Shoulder Width Right (ft)**	0	2	0		
Shoulder Width Left (ft)**	0	1	3		
Roadway Condition Information					
SCR (Surface Condition Rating)	44	15	64		
PCR (Pavement Condition Rating)	39	18	64		
Distress Index Values					
Alligator Cracking Index	66	29	77		
Longitudinal Cracking Index	95	94	97		
Transverse Cracking Index	99	98	99		
Patching Index	99	99	100		
Rutting Index	77	80	91		
Roughness Condition Index (RCI)	31	36	43		

ROUTE: 0101 PANORAMIC POINT ROAD

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Summary Record COLLECTED: 8/23/2007
ROUTE: 0207ZZ SENTINEL CAMPGROUND ROADS TOTAL LENGTH: 1.16 Miles

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)**	N/A				
Shoulder Width Left (ft)**	N/A				
Roadway Condition Information					
SCR (Surface Condition Rating)	25				
PCR (Pavement Condition Rating)	25				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0207ZZ SENTINEL CAMPGROUND ROADS

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

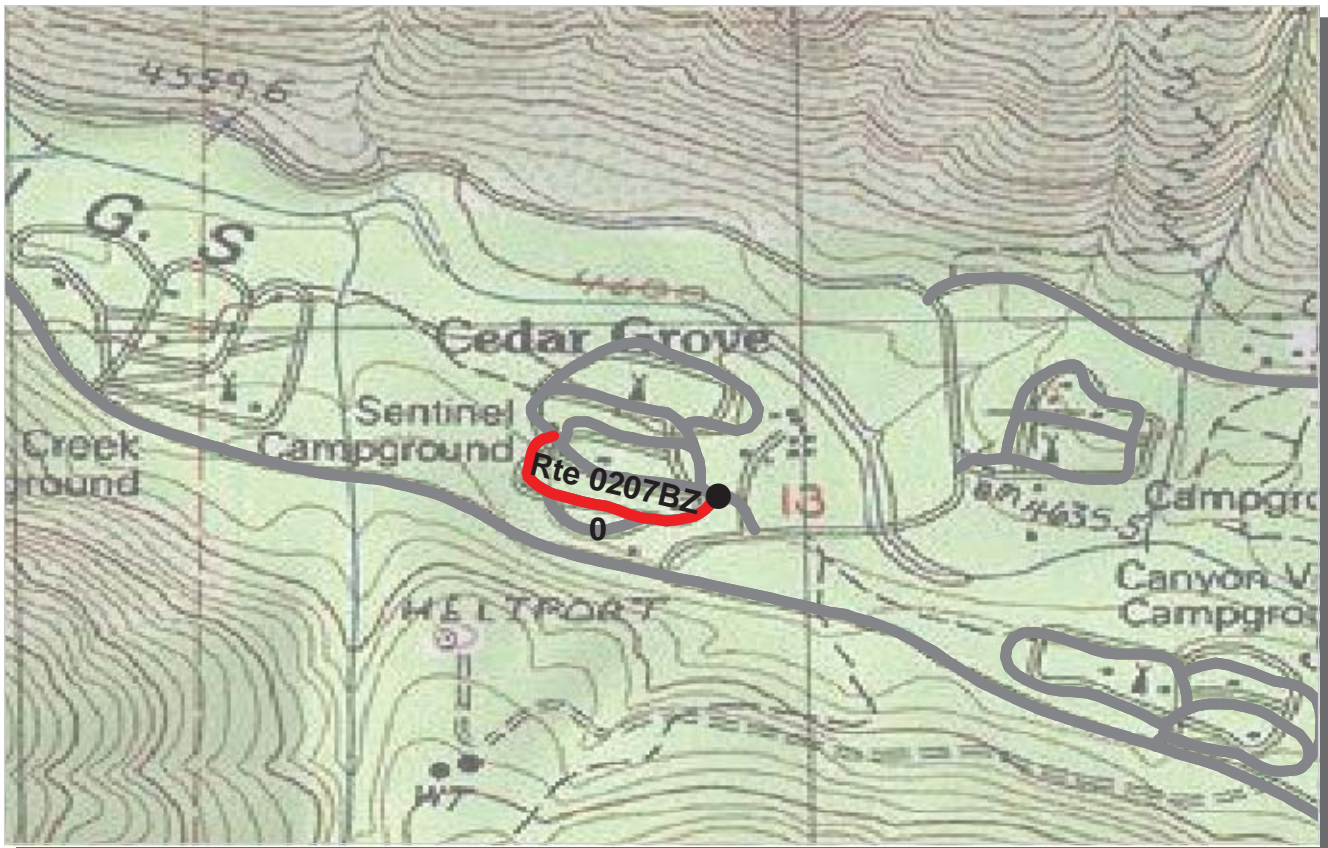
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0207AZ SENTINEL CAMPGROUND ROAD A TOTAL LENGTH: 0.60 Miles

Section Number	0				
Section Length (mi)	0.60				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	22				
Lane Width (ft)	22				
Shoulder Width Right (ft)**	2				
Shoulder Width Left (ft)**	1				
Roadway Condition Information					
SCR (Surface Condition Rating)	23				
PCR (Pavement Condition Rating)	23				
Distress Index Values					
Alligator Cracking Index	84				
Longitudinal Cracking Index	91				
Transverse Cracking Index	91				
Patching Index	100				
Rutting Index	53				
Roughness Condition Index (RCI)	NC				

ROUTE: 0207AZ SENTINEL CAMPGROUND ROAD A

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

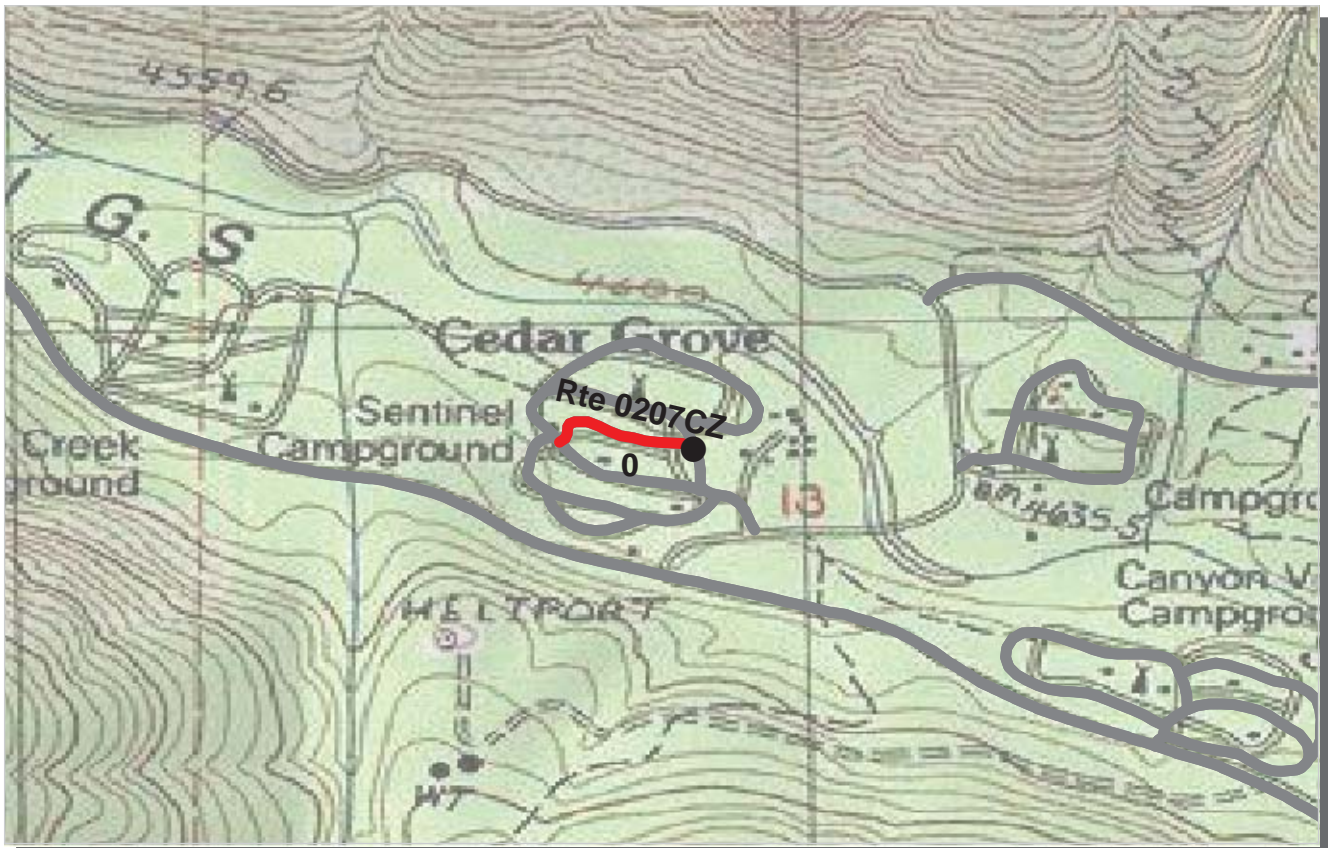
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0207BZ SENTINEL CAMPGROUND ROAD B TOTAL LENGTH: 0.22 Miles

Section Number	0				
Section Length (mi)	0.22				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)**	4				
Shoulder Width Left (ft)**	3				
Roadway Condition Information					
SCR (Surface Condition Rating)	30				
PCR (Pavement Condition Rating)	29				
Distress Index Values					
Alligator Cracking Index	94				
Longitudinal Cracking Index	94				
Transverse Cracking Index	89				
Patching Index	99				
Rutting Index	55				
Roughness Condition Index (RCI)	33				

ROUTE: 0207BZ SENTINEL CAMPGROUND ROAD B

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

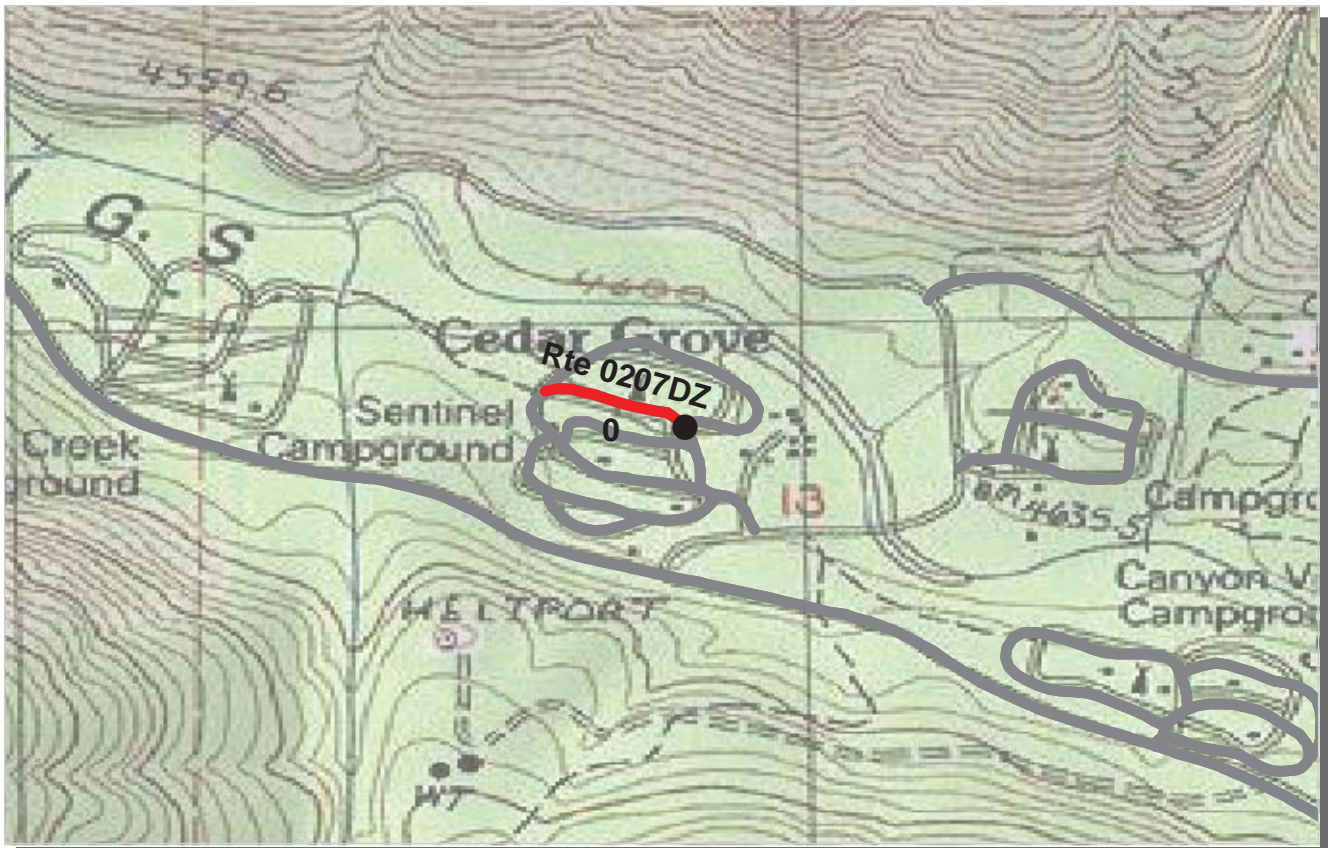
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0207CZ SENTINEL CAMPGROUND ROAD C TOTAL LENGTH: 0.12 Miles

Section Number	0				
Section Length (mi)	0.12				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	8				
Lane Width (ft)	8				
Shoulder Width Right (ft)**	3				
Shoulder Width Left (ft)**	2				
Roadway Condition Information					
SCR (Surface Condition Rating)	38				
PCR (Pavement Condition Rating)	38				
Distress Index Values					
Alligator Cracking Index	91				
Longitudinal Cracking Index	97				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	54				
Roughness Condition Index (RCI)	NC				

ROUTE: 0207CZ SENTINEL CAMPGROUND ROAD C

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

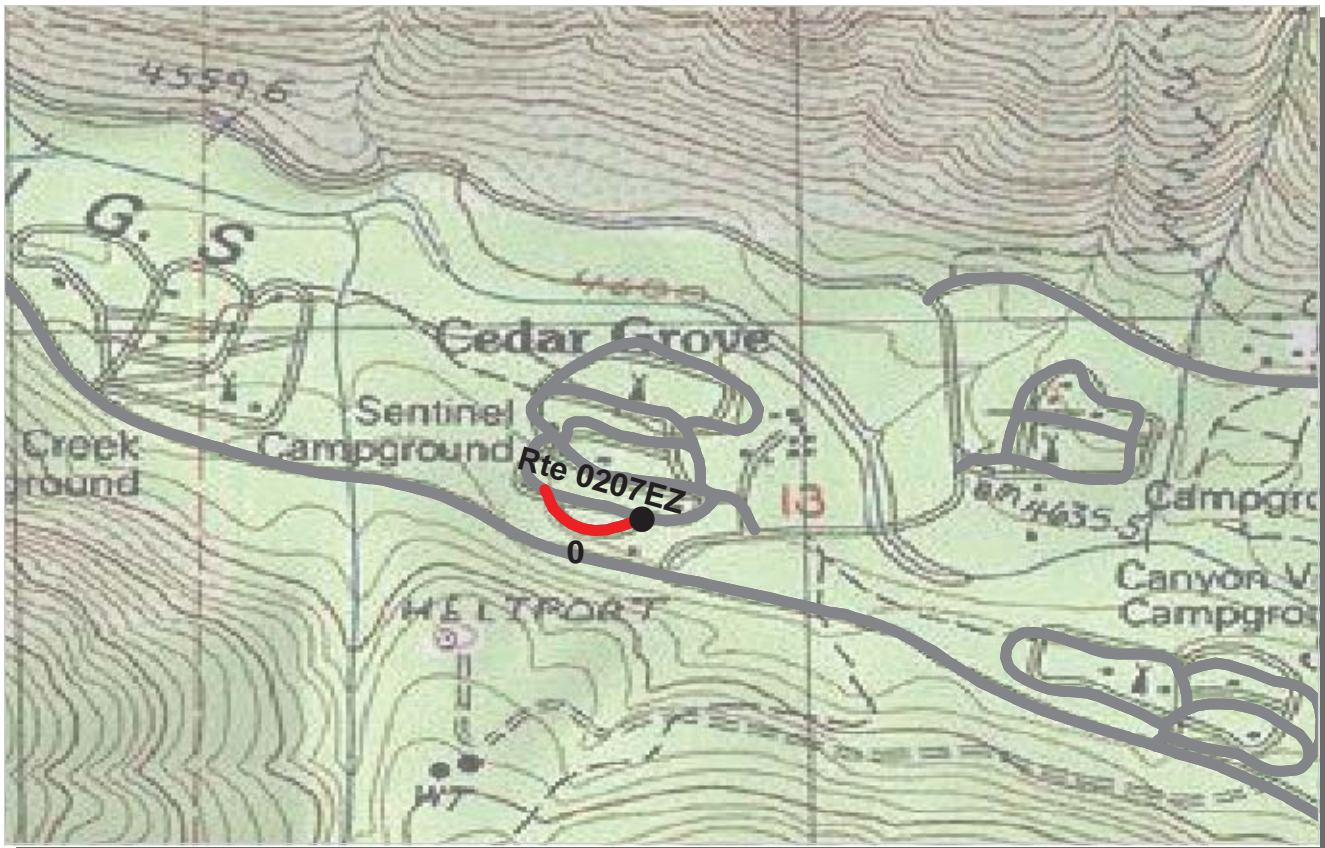
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0207DZ SENTINEL CAMPGROUND ROAD D TOTAL LENGTH: 0.12 Miles

Section Number	0				
Section Length (mi)	0.12				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	9				
Lane Width (ft)	9				
Shoulder Width Right (ft)**	4				
Shoulder Width Left (ft)**	2				
Roadway Condition Information					
SCR (Surface Condition Rating)	13				
PCR (Pavement Condition Rating)	13				
Distress Index Values					
Alligator Cracking Index	51				
Longitudinal Cracking Index	99				
Transverse Cracking Index	98				
Patching Index	100				
Rutting Index	48				
Roughness Condition Index (RCI)	NC				

ROUTE: 0207DZ SENTINEL CAMPGROUND ROAD D

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

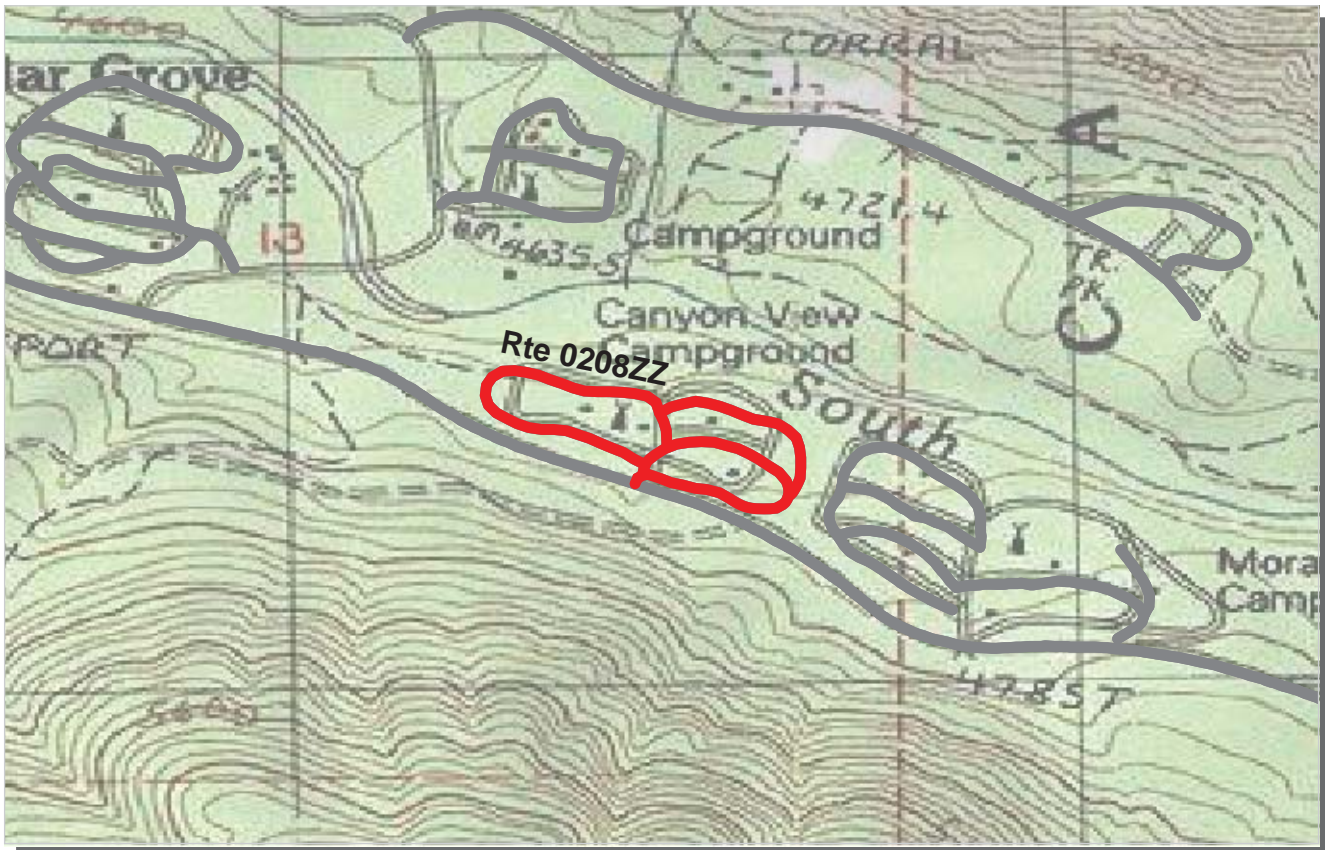
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0207EZ SENTINEL CAMPGROUND ROAD E TOTAL LENGTH: 0.10 Miles

Section Number	0				
Section Length (mi)	0.10				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	8				
Lane Width (ft)	8				
Shoulder Width Right (ft)**	4				
Shoulder Width Left (ft)**	3				
Roadway Condition Information					
SCR (Surface Condition Rating)	19				
PCR (Pavement Condition Rating)	20				
Distress Index Values					
Alligator Cracking Index	92				
Longitudinal Cracking Index	94				
Transverse Cracking Index	83				
Patching Index	100				
Rutting Index	51				
Roughness Condition Index (RCI)	26				

ROUTE: 0207EZ SENTINEL CAMPGROUND ROAD E

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Summary Record COLLECTED: 8/23/2007
ROUTE: 0208ZZ CANYON VIEW CAMPGROUND ROADS **TOTAL LENGTH: 0.84 Miles**

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)**	N/A				
Shoulder Width Left (ft)**	N/A				
Roadway Condition Information					
SCR (Surface Condition Rating)	9				
PCR (Pavement Condition Rating)	9				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0208ZZ CANYON VIEW CAMPGROUND ROADS

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0208AZ CANYON VIEW CAMPGROUND ROAD A TOTAL LENGTH: 0.31 Miles

Section Number	0				
Section Length (mi)	0.31				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	17				
Lane Width (ft)	17				
Shoulder Width Right (ft)**	3				
Shoulder Width Left (ft)**	5				
Roadway Condition Information					
SCR (Surface Condition Rating)	5				
PCR (Pavement Condition Rating)	5				
Distress Index Values					
Alligator Cracking Index	65				
Longitudinal Cracking Index	87				
Transverse Cracking Index	94				
Patching Index	97				
Rutting Index	35				
Roughness Condition Index (RCI)	20				

ROUTE: 0208AZ CANYON VIEW CAMPGROUND ROAD A

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Subcomponent Record

COLLECTED: 8/23/2007

ROUTE: 0208BZ CANYON VIEW CAMPGROUND ROAD B TOTAL LENGTH: 0.18 Miles

Section Number	0				
Section Length (mi)	0.18				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width Right (ft)**	6				
Shoulder Width Left (ft)**	7				
Roadway Condition Information					
SCR (Surface Condition Rating)	16				
PCR (Pavement Condition Rating)	16				
Distress Index Values					
Alligator Cracking Index	69				
Longitudinal Cracking Index	92				
Transverse Cracking Index	97				
Patching Index	99				
Rutting Index	37				
Roughness Condition Index (RCI)	NC				

ROUTE: 0208BZ CANYON VIEW CAMPGROUND ROAD B

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

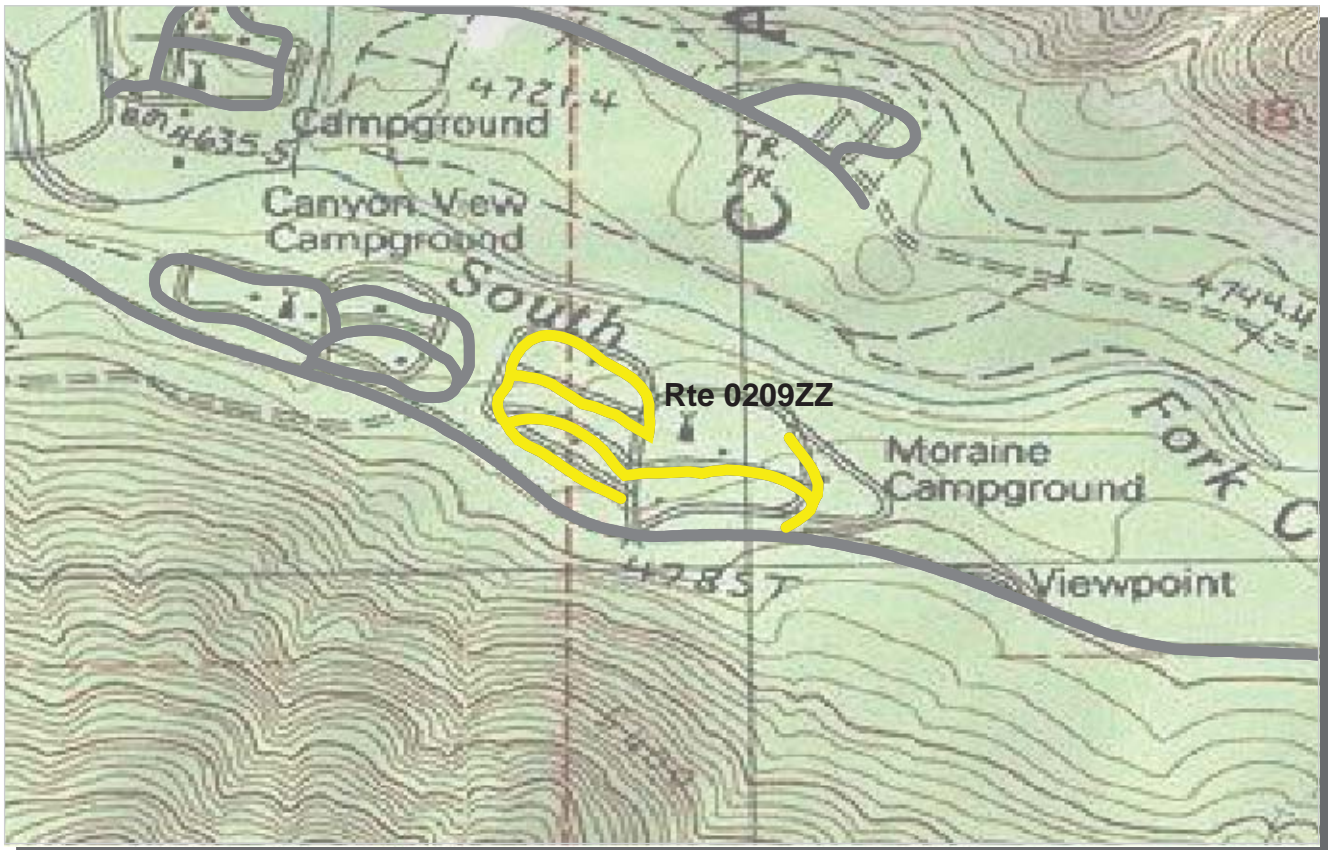
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0208CZ CANYON VIEW CAMPGROUND ROAD C TOTAL LENGTH: 0.35 Miles

Section Number	0				
Section Length (mi)	0.35				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)**	2				
Shoulder Width Left (ft)**	4				
Roadway Condition Information					
SCR (Surface Condition Rating)	11				
PCR (Pavement Condition Rating)	11				
Distress Index Values					
Alligator Cracking Index	77				
Longitudinal Cracking Index	96				
Transverse Cracking Index	98				
Patching Index	96				
Rutting Index	31				
Roughness Condition Index (RCI)	NC				

ROUTE: 0208CZ CANYON VIEW CAMPGROUND ROAD C

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Summary Record COLLECTED: 8/23/2007
ROUTE: 0209ZZ MORaine CAMPGROUND ROADS TOTAL LENGTH: 1.50 Miles

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)**	N/A				
Shoulder Width Left (ft)**	N/A				
Roadway Condition Information					
SCR (Surface Condition Rating)	89				
PCR (Pavement Condition Rating)	80				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0209ZZ MORaine CAMPGROUND ROADS

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0209BZ MORaine CAMPGROUND ROAD B TOTAL LENGTH: 0.10 Miles

Section Number	0				
Section Length (mi)	0.10				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)**	7				
Shoulder Width Left (ft)**	11				
Roadway Condition Information					
SCR (Surface Condition Rating)	89				
PCR (Pavement Condition Rating)	89				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	89				
Roughness Condition Index (RCI)	NC				

ROUTE: 0209BZ MORaine CAMPGROUND ROAD B

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0209CZ MORaine CAMPGROUND ROAD C TOTAL LENGTH: 0.16 Miles

Section Number	0				
Section Length (mi)	0.16				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)**	5				
Shoulder Width Left (ft)**	7				
Roadway Condition Information					
SCR (Surface Condition Rating)	89				
PCR (Pavement Condition Rating)	85				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	89				
Roughness Condition Index (RCI)	35				

ROUTE: 0209CZ MORaine CAMPGROUND ROAD C

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0209DZ MORaine CAMPGROUND ROAD D TOTAL LENGTH: 0.37 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.37				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)**	3				
Shoulder Width Left (ft)**	4				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	89				
PCR (Pavement Condition Rating)	84				
<i>Distress Index Values</i>					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	89				
Roughness Condition Index (RCI)	27				

ROUTE: 0209DZ MORaine CAMPGROUND ROAD D

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0209EZ MORaine CAMPGROUND ROAD E TOTAL LENGTH: 0.12 Miles

Section Number	0				
Section Length (mi)	0.12				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)**	3				
Shoulder Width Left (ft)**	3				
Roadway Condition Information					
SCR (Surface Condition Rating)	92				
PCR (Pavement Condition Rating)	92				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	92				
Roughness Condition Index (RCI)	NC				

ROUTE: 0209EZ MORaine CAMPGROUND ROAD E

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0209FZ MORAINE CAMPGROUND ROAD F TOTAL LENGTH: 0.13 Miles

Section Number	0				
Section Length (mi)	0.13				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)**	3				
Shoulder Width Left (ft)**	3				
Roadway Condition Information					
SCR (Surface Condition Rating)	88				
PCR (Pavement Condition Rating)	84				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	88				
Roughness Condition Index (RCI)	27				

ROUTE: 0209FZ MORAINE CAMPGROUND ROAD F

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

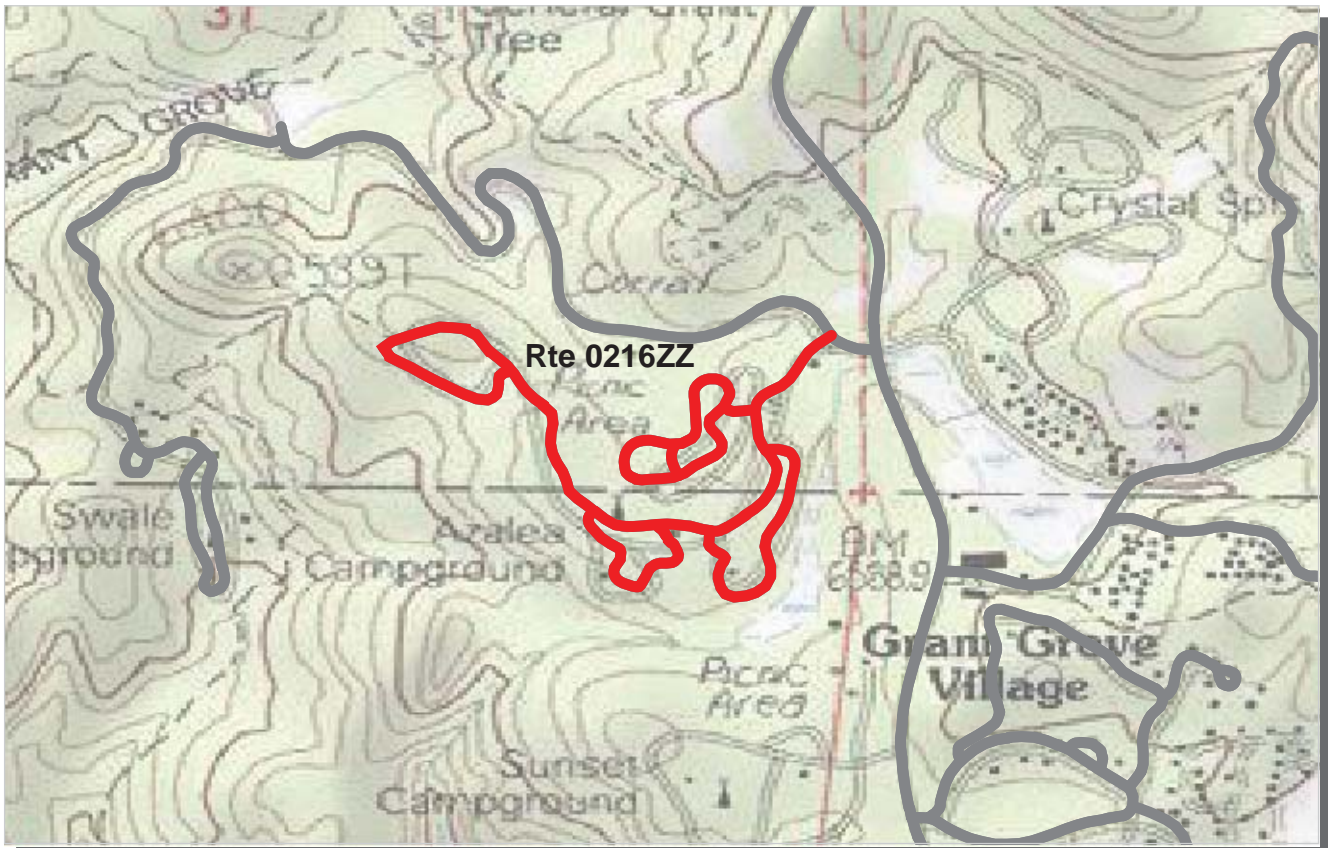
COLLECTED: 8/26/2007
TOTAL LENGTH: 0.77 Miles

ROUTE: 0212 GRANT TREE ROAD

Section Number	0				
Section Length (mi)	0.77				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	30				
Lane Width (ft)	15				
Shoulder Width Right (ft)**	2				
Shoulder Width Left (ft)**	4				
Roadway Condition Information					
SCR (Surface Condition Rating)	87				
PCR (Pavement Condition Rating)	78				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	87				
Roughness Condition Index (RCI)	61				

ROUTE: 0212 GRANT TREE ROAD

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

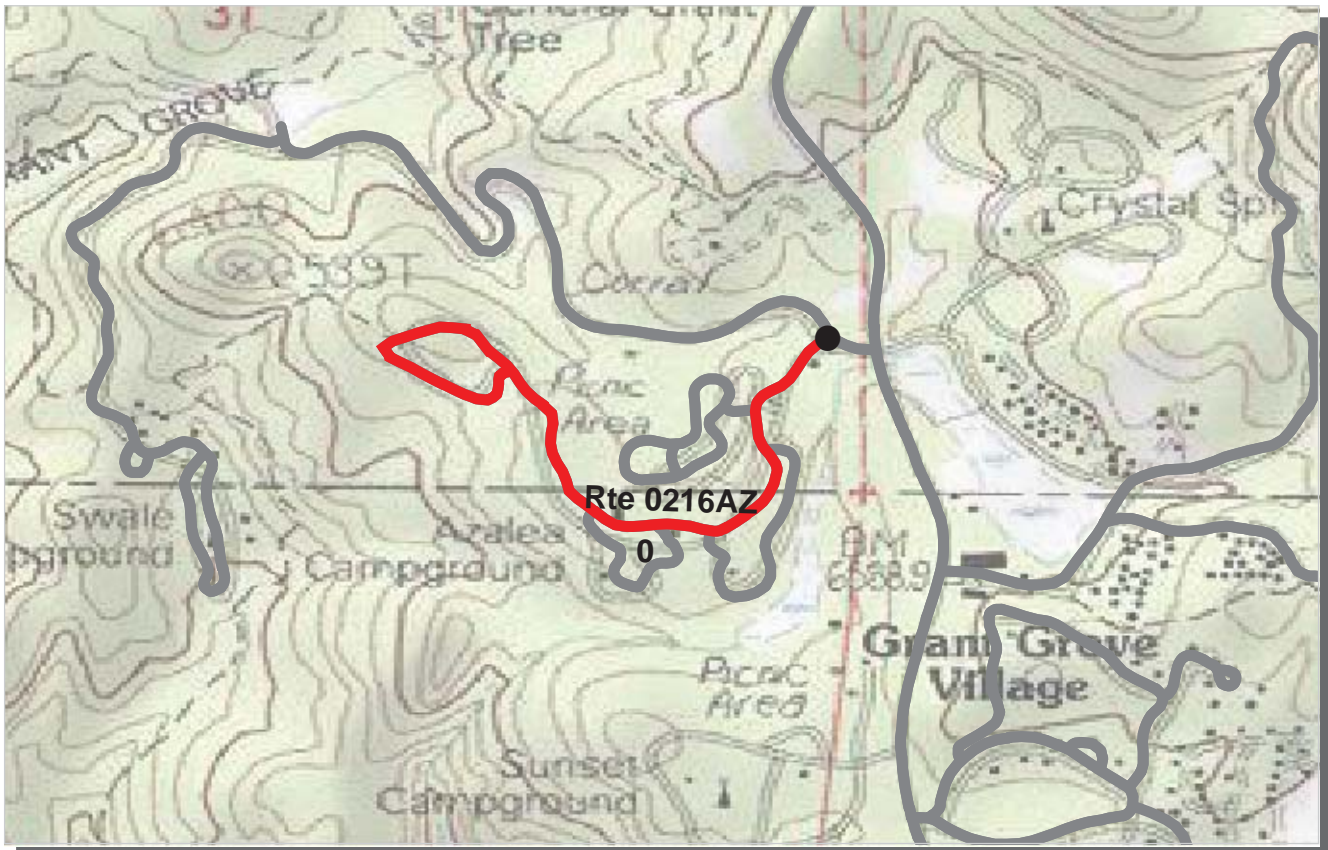
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Summary Record COLLECTED: 8/26/2007
ROUTE: 0216ZZ AZALEA CAMPGROUND ROADS TOTAL LENGTH: 1.60 Miles

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)**	N/A				
Shoulder Width Left (ft)**	N/A				
Roadway Condition Information					
SCR (Surface Condition Rating)	45				
PCR (Pavement Condition Rating)	47				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0216ZZ AZALEA CAMPGROUND ROADS

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

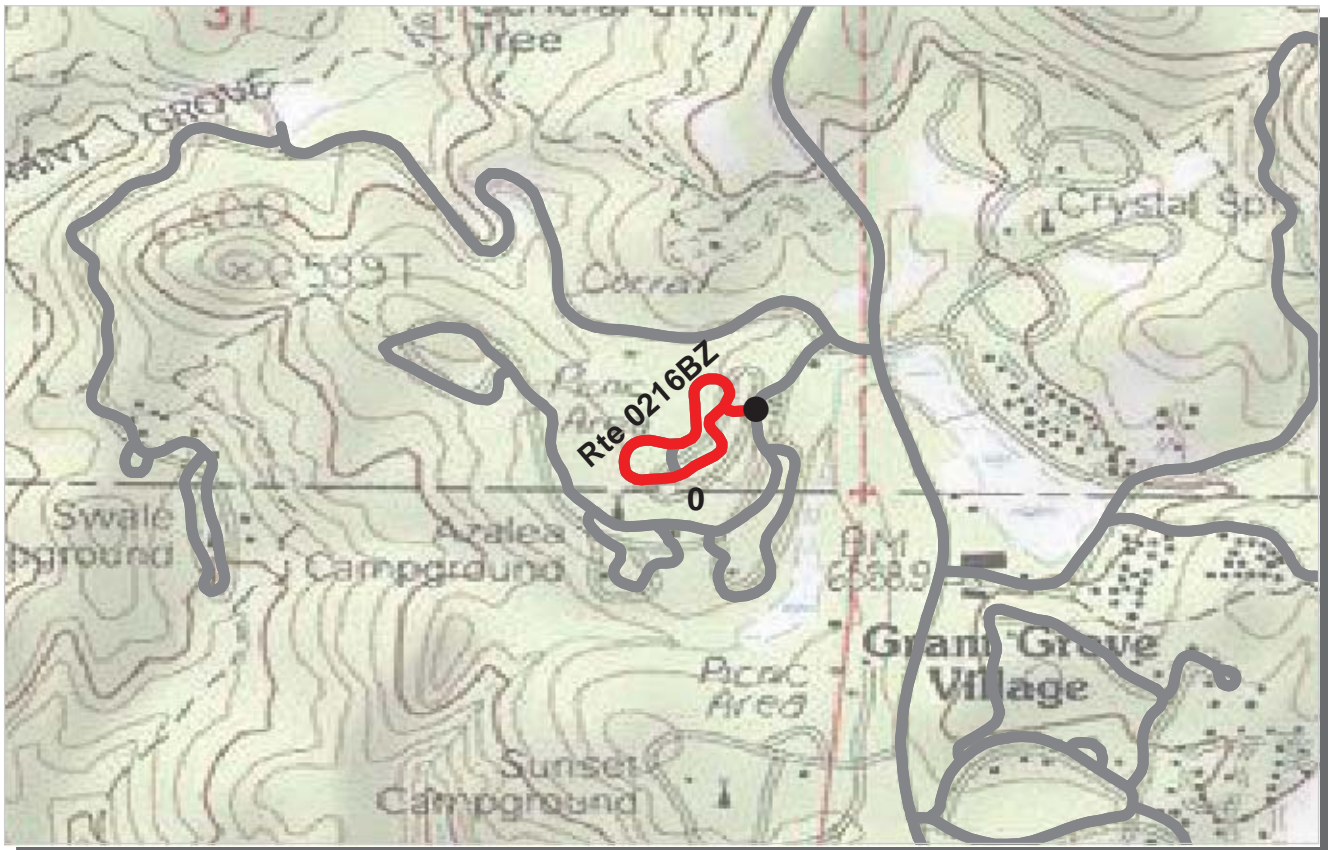
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 8/26/2007
ROUTE: 0216AZ AZALEA CAMPGROUND ROAD A TOTAL LENGTH: 0.77 Miles

Section Number	0				
Section Length (mi)	0.77				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	31				
Lane Width (ft)	14				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	3				
Roadway Condition Information					
SCR (Surface Condition Rating)	33				
PCR (Pavement Condition Rating)	37				
Distress Index Values					
Alligator Cracking Index	46				
Longitudinal Cracking Index	96				
Transverse Cracking Index	98				
Patching Index	99				
Rutting Index	86				
Roughness Condition Index (RCI)	47				

ROUTE: 0216AZ AZALEA CAMPGROUND ROAD A

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

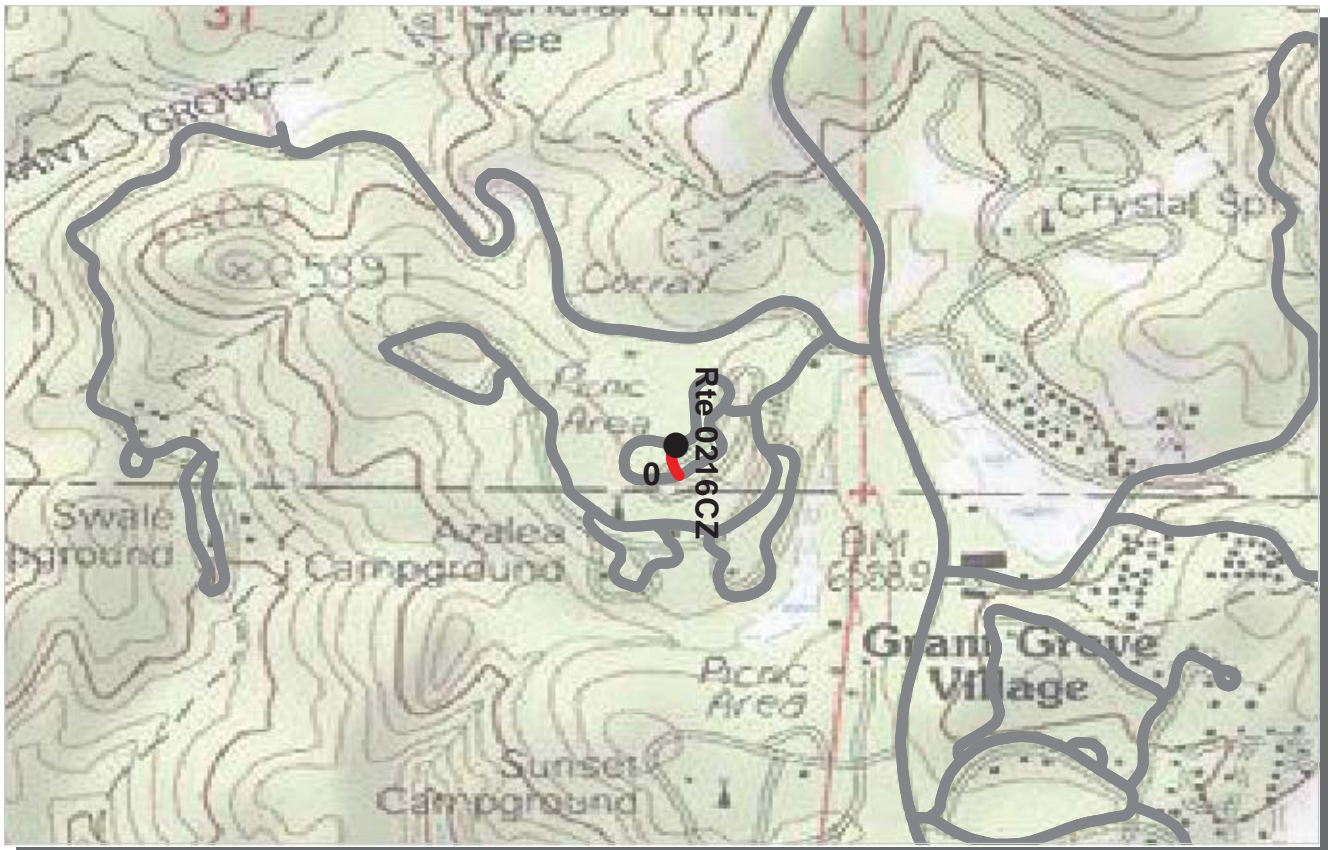
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 8/26/2007
ROUTE: 0216BZ AZALEA CAMPGROUND ROAD B TOTAL LENGTH: 0.34 Miles

Section Number	0				
Section Length (mi)	0.34				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width Right (ft)**	2				
Shoulder Width Left (ft)**	1				
Roadway Condition Information					
SCR (Surface Condition Rating)	59				
PCR (Pavement Condition Rating)	59				
Distress Index Values					
Alligator Cracking Index	72				
Longitudinal Cracking Index	97				
Transverse Cracking Index	98				
Patching Index	99				
Rutting Index	92				
Roughness Condition Index (RCI)	NC				

ROUTE: 0216BZ AZALEA CAMPGROUND ROAD B

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Subcomponent Record COLLECTED: 8/26/2007
ROUTE: 0216CZ AZALEA CAMPGROUND ROAD C TOTAL LENGTH: 0.03 Miles

Section Number	0				
Section Length (mi)	0.03				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)**	3				
Shoulder Width Left (ft)**	2				
Roadway Condition Information					
SCR (Surface Condition Rating)	0				
PCR (Pavement Condition Rating)	0				
Distress Index Values					
Alligator Cracking Index	3				
Longitudinal Cracking Index	96				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	89				
Roughness Condition Index (RCI)	NC				

ROUTE: 0216CZ AZALEA CAMPGROUND ROAD C

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths. 5-28



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=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

Subcomponent Record

COLLECTED: 8/26/2007

ROUTE: 0216DZ AZALEA CAMPGROUND ROAD D

TOTAL LENGTH: 0.26 Miles

Section Number	0				
Section Length (mi)	0.26				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)**	2				
Shoulder Width Left (ft)**	2				
Roadway Condition Information					
SCR (Surface Condition Rating)	75				
PCR (Pavement Condition Rating)	74				
Distress Index Values					
Alligator Cracking Index	88				
Longitudinal Cracking Index	97				
Transverse Cracking Index	99				
Patching Index	99				
Rutting Index	91				
Roughness Condition Index (RCI)	57				

ROUTE: 0216DZ AZALEA CAMPGROUND ROAD D

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

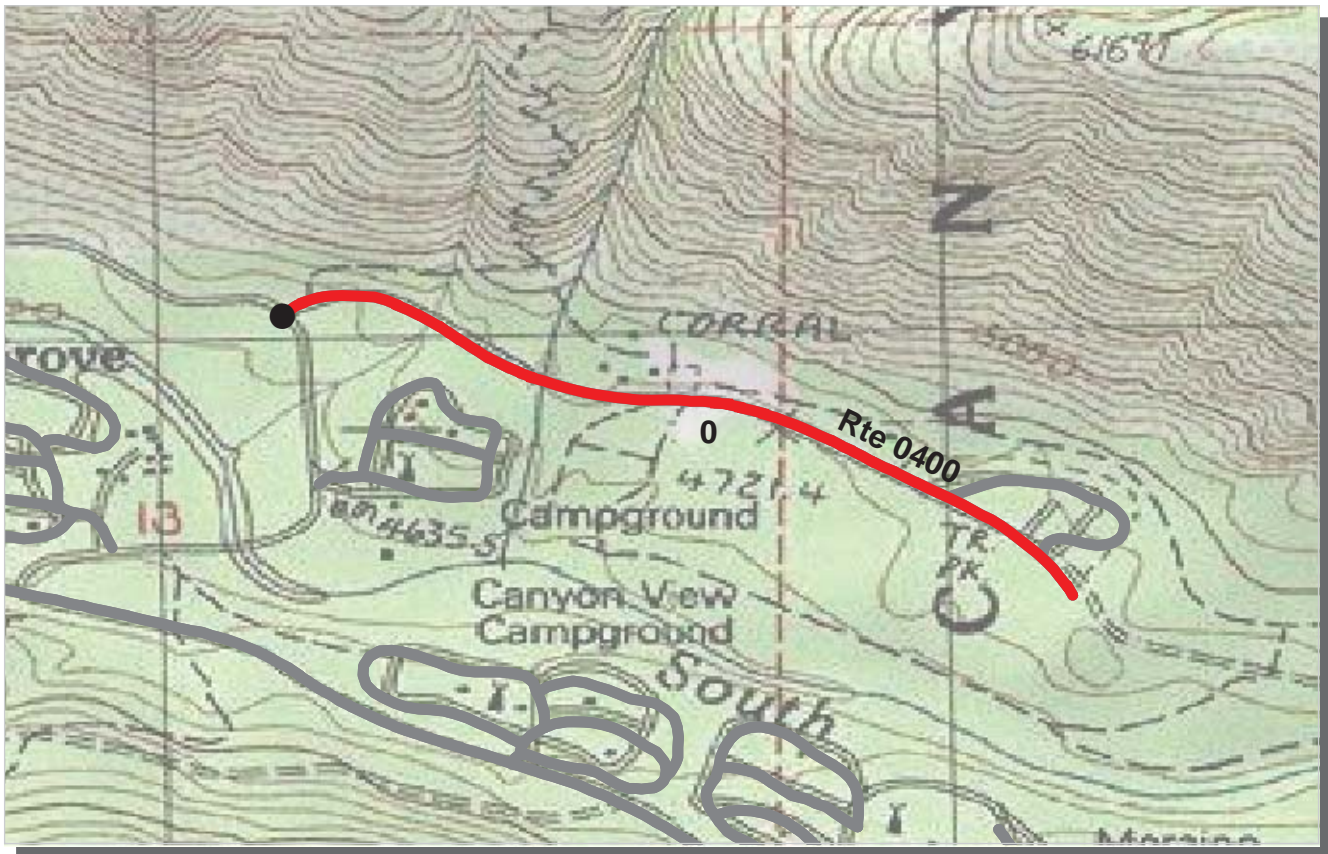
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 8/26/2007
ROUTE: 0216EZ AZALEA CAMPGROUND ROAD E TOTAL LENGTH: 0.20 Miles

Section Number	0				
Section Length (mi)	0.20				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	2				
Roadway Condition Information					
SCR (Surface Condition Rating)	69				
PCR (Pavement Condition Rating)	69				
Distress Index Values					
Alligator Cracking Index	86				
Longitudinal Cracking Index	97				
Transverse Cracking Index	98				
Patching Index	100				
Rutting Index	89				
Roughness Condition Index (RCI)	NC				

ROUTE: 0216EZ AZALEA CAMPGROUND ROAD E

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=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

COLLECTED: 8/23/2007
TOTAL LENGTH: 0.73 Miles

ROUTE: 0400 CEDAR GROVE RESIDENCE ROAD

Section Number	0				
Section Length (mi)	0.73				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width Right (ft)**	3				
Shoulder Width Left (ft)**	4				
Roadway Condition Information					
SCR (Surface Condition Rating)	43				
PCR (Pavement Condition Rating)	49				
Distress Index Values					
Alligator Cracking Index	90				
Longitudinal Cracking Index	94				
Transverse Cracking Index	85				
Patching Index	98				
Rutting Index	75				
Roughness Condition Index (RCI)	66				

ROUTE: 0400 CEDAR GROVE RESIDENCE ROAD

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

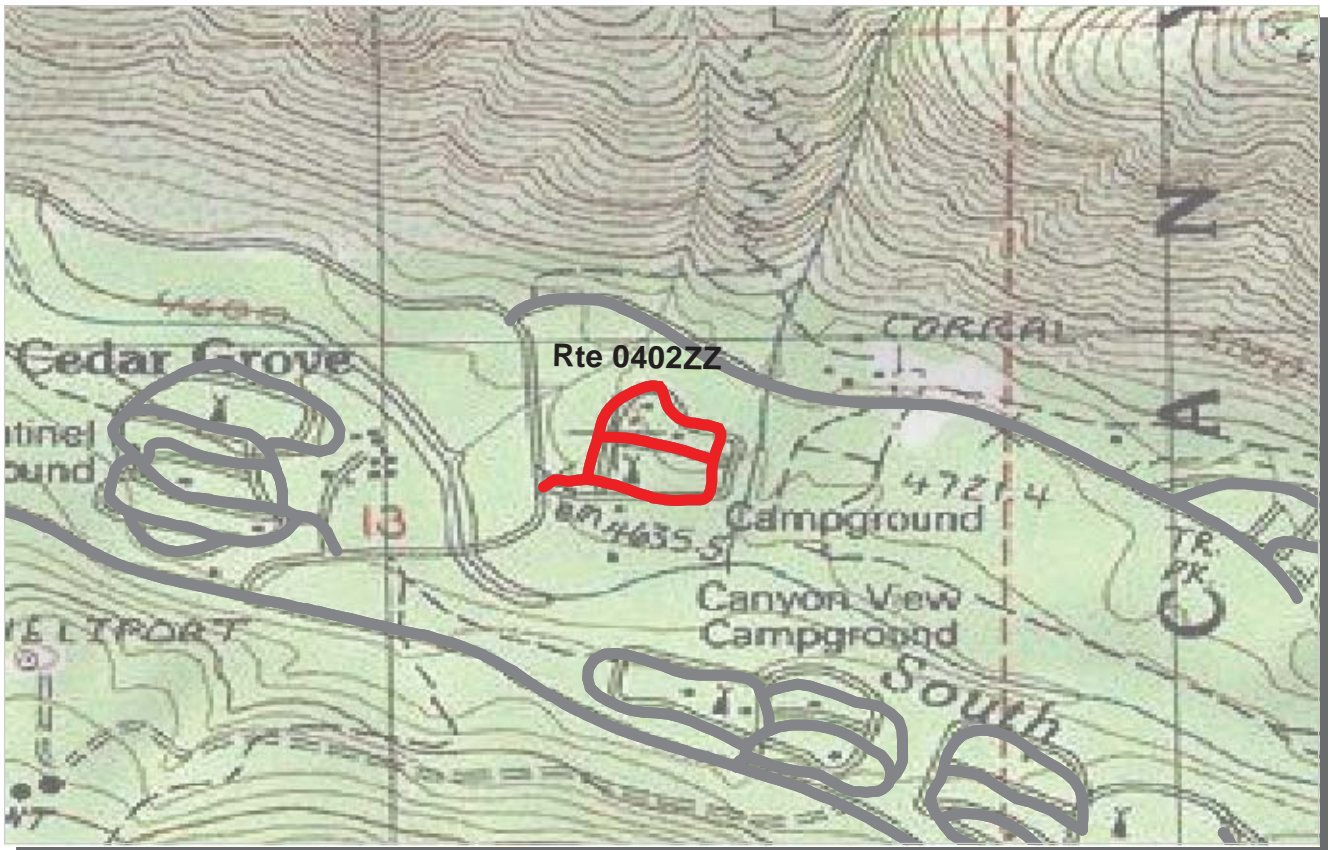
COLLECTED: 8/23/2007
TOTAL LENGTH: 0.24 Miles

ROUTE: 0401 CEDAR GROVE RESIDENCE LOOP

Section Number	0				
Section Length (mi)	0.24				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width Right (ft)**	6				
Shoulder Width Left (ft)**	5				
Roadway Condition Information					
SCR (Surface Condition Rating)	53				
PCR (Pavement Condition Rating)	51				
Distress Index Values					
Alligator Cracking Index	90				
Longitudinal Cracking Index	96				
Transverse Cracking Index	95				
Patching Index	100				
Rutting Index	72				
Roughness Condition Index (RCI)	54				

ROUTE: 0401 CEDAR GROVE RESIDENCE LOOP

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

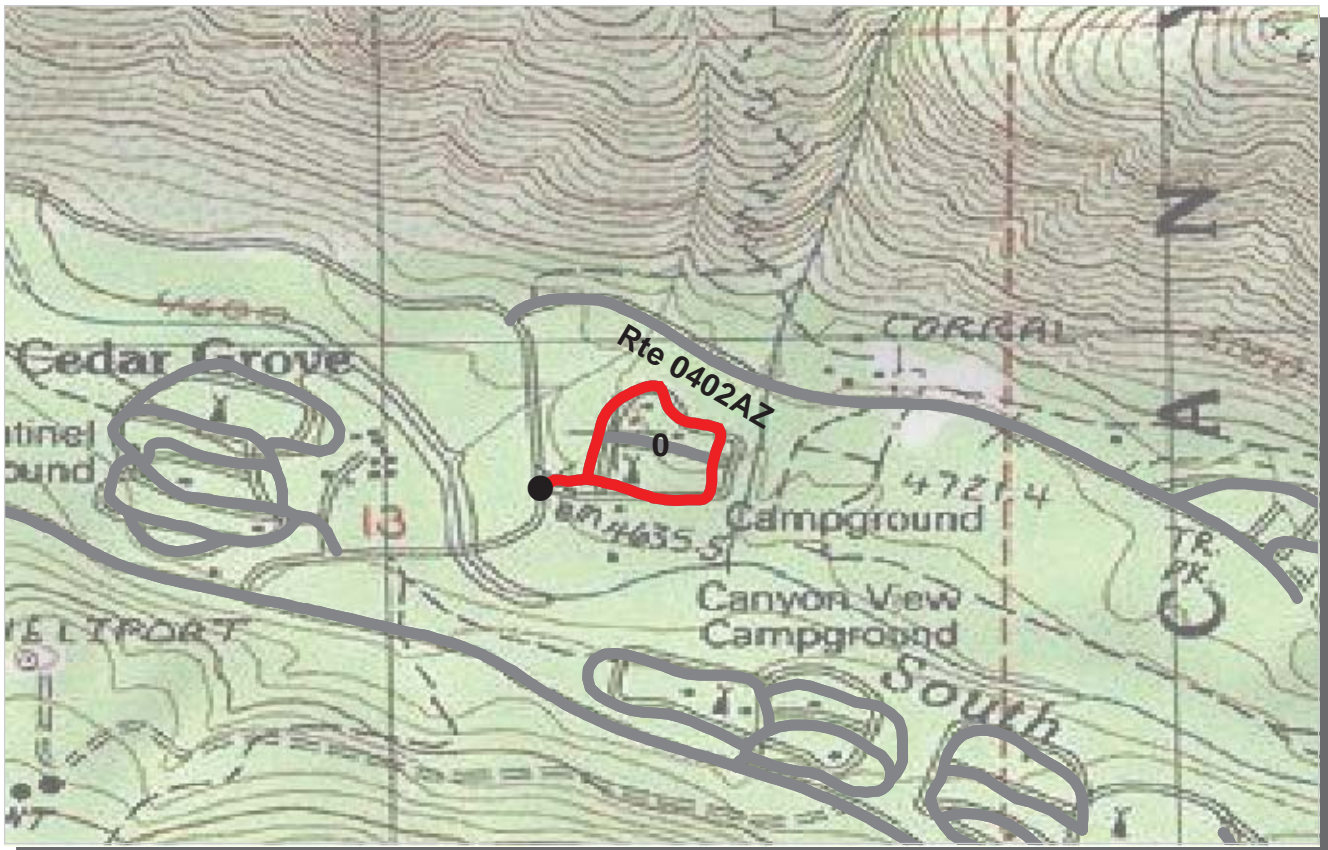
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Summary Record COLLECTED: 8/23/2007
ROUTE: 0402ZZ CEDAR GROVE VILLAGE RESIDENCE LOOP ROADS TOTAL LENGTH: 0.48 Miles

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)**	N/A				
Shoulder Width Left (ft)**	N/A				
Roadway Condition Information					
SCR (Surface Condition Rating)	46				
PCR (Pavement Condition Rating)	43				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0402ZZ CEDAR GROVE VILLAGE RESIDENCE LOOP ROADS

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

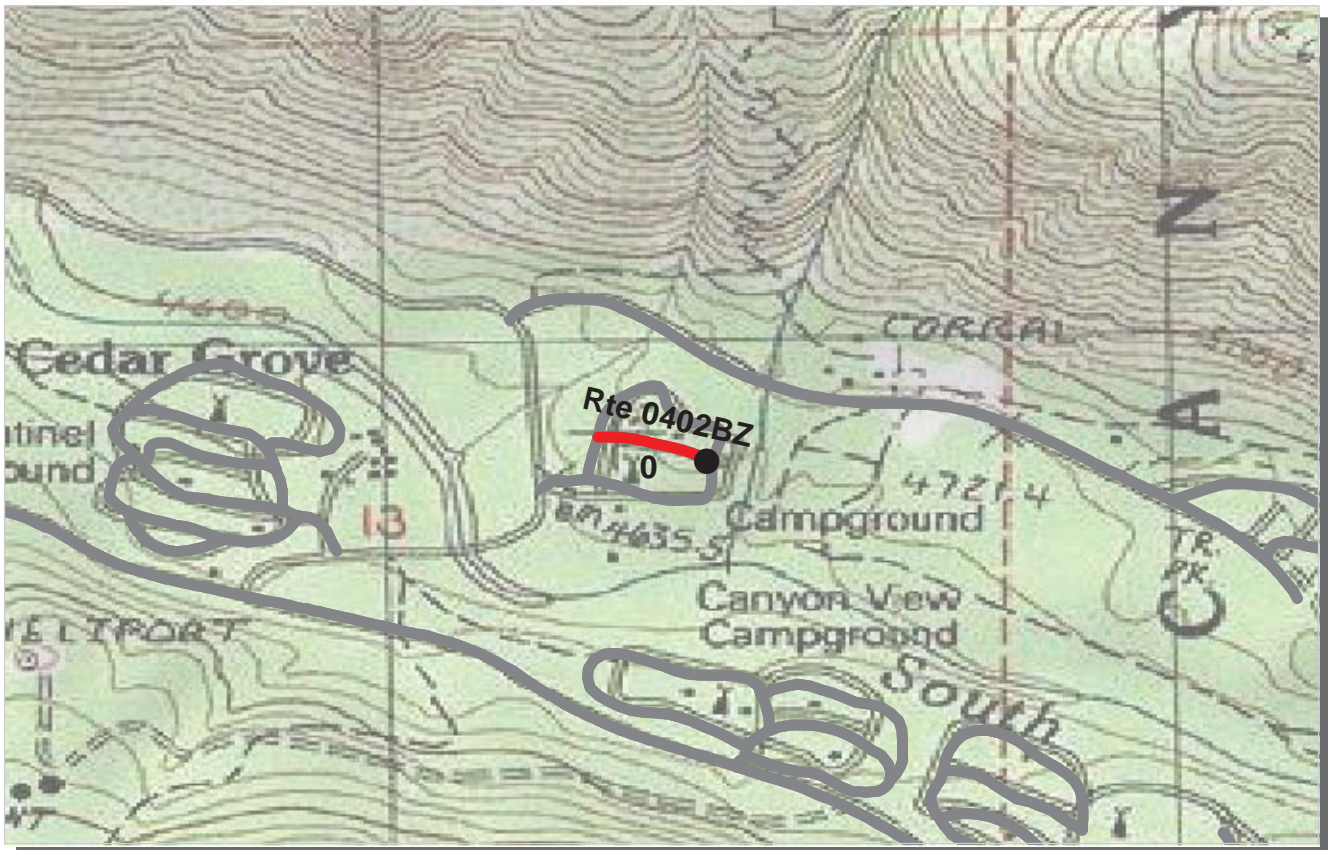
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 8/23/2007
 ROUTE: 0402AZ CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD A TOTAL LENGTH: 0.39 Miles

Section Number	0				
Section Length (mi)	0.39				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	2				
Roadway Condition Information					
SCR (Surface Condition Rating)	48				
PCR (Pavement Condition Rating)	46				
Distress Index Values					
Alligator Cracking Index	94				
Longitudinal Cracking Index	95				
Transverse Cracking Index	90				
Patching Index	99				
Rutting Index	70				
Roughness Condition Index (RCI)	40				

ROUTE: 0402AZ CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD A

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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.

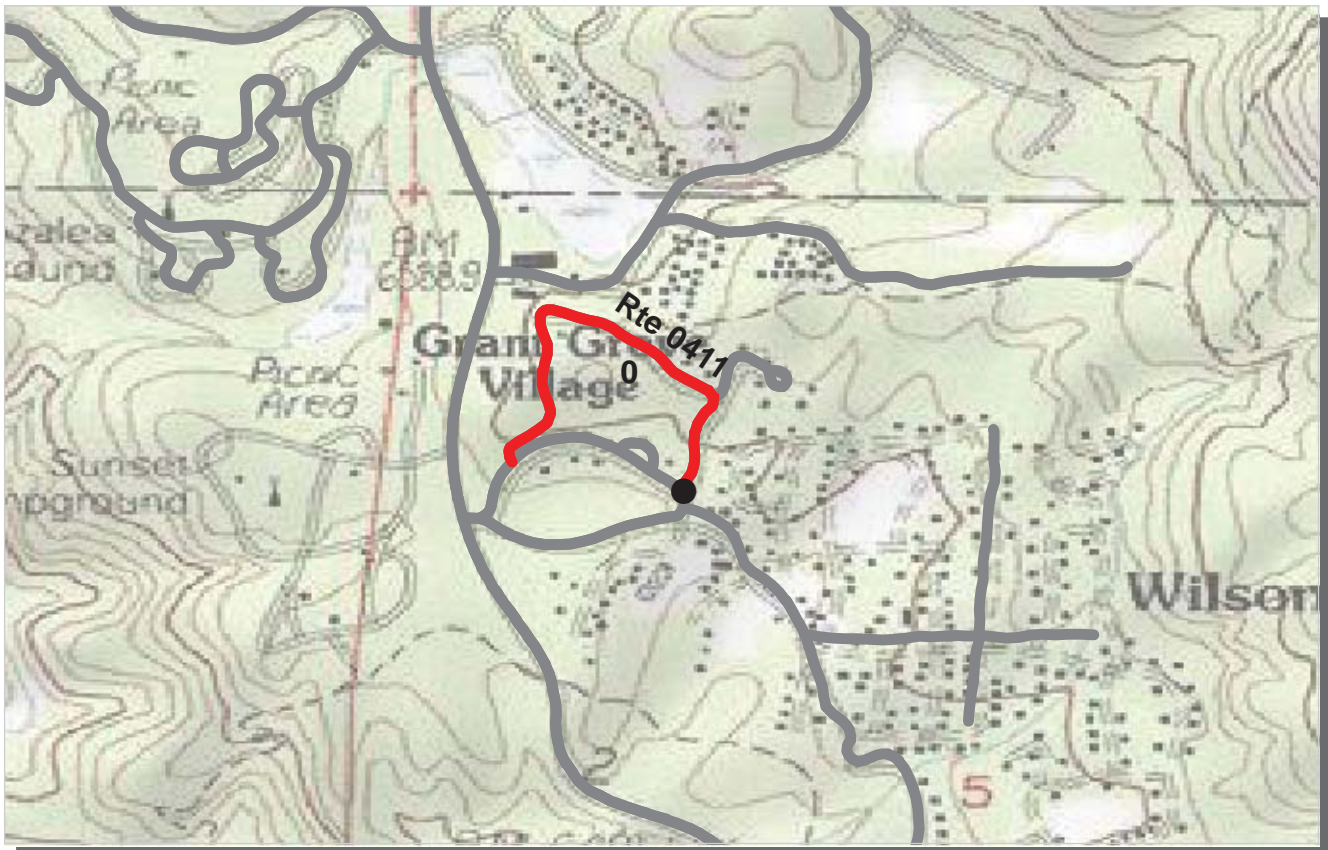
PACIFIC WEST REGION
KICA : KINGS CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 8/23/2007
ROUTE: 0402BZ CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD B TOTAL LENGTH: 0.09 Miles

ROUTE: 0402BZ CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD B

Section Number	0				
Section Length (mi)	0.09				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)**	3				
Shoulder Width Left (ft)**	5				
Roadway Condition Information					
SCR (Surface Condition Rating)	22				
PCR (Pavement Condition Rating)	22				
Distress Index Values					
Alligator Cracking Index	60				
Longitudinal Cracking Index	99				
Transverse Cracking Index	99				
Patching Index	99				
Rutting Index	63				
Roughness Condition Index (RCI)	NC				

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=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

COLLECTED: 8/26/2007

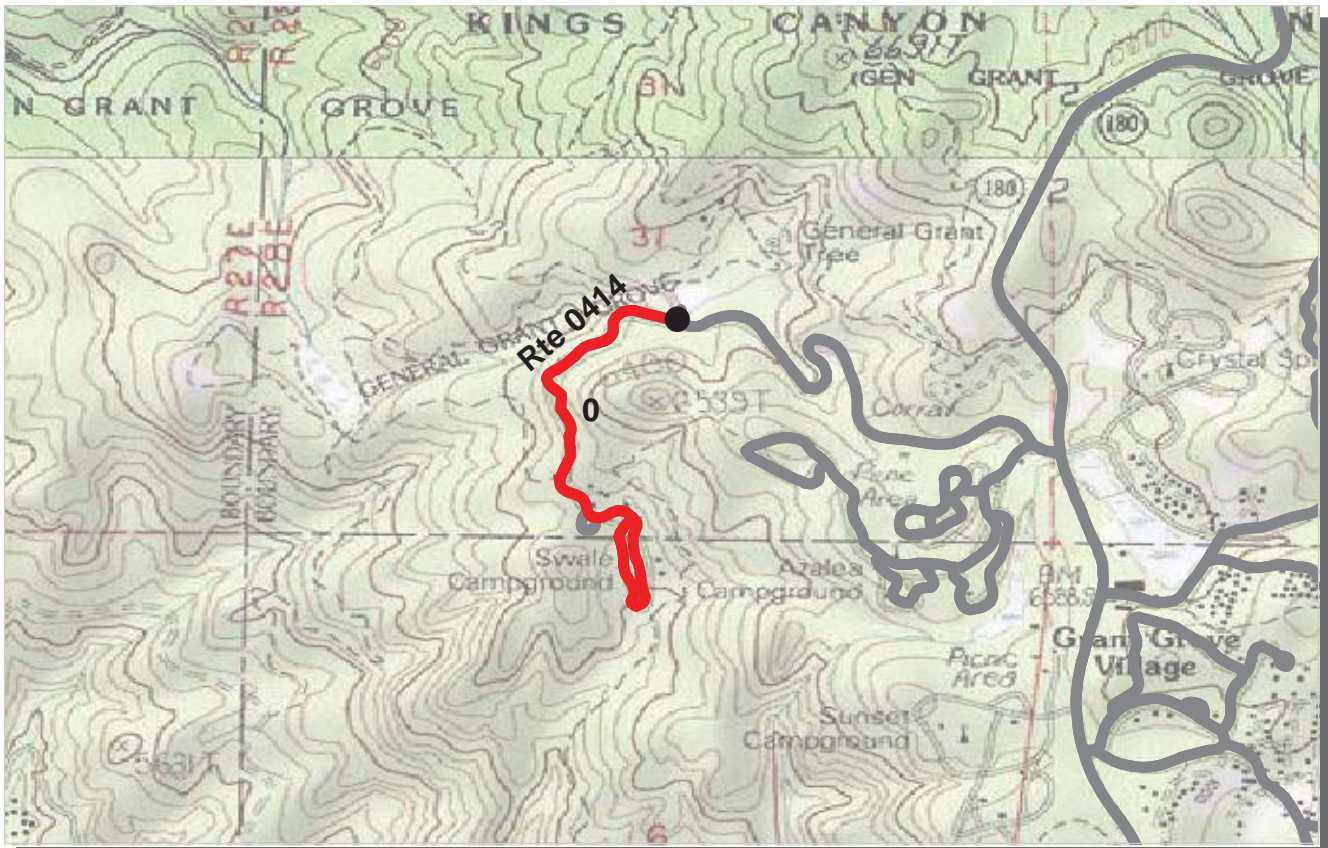
ROUTE: 0411 GRANT GROVE RESIDENCE EAST LOOP

TOTAL LENGTH: 0.43 Miles

ROUTE: 0411 GRANT GROVE RESIDENCE EAST LOOP

Section Number	0				
Section Length (mi)	0.43				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width Right (ft)**	4				
Shoulder Width Left (ft)**	5				
Roadway Condition Information					
SCR (Surface Condition Rating)	24				
PCR (Pavement Condition Rating)	24				
Distress Index Values					
Alligator Cracking Index	42				
Longitudinal Cracking Index	97				
Transverse Cracking Index	98				
Patching Index	100				
Rutting Index	72				
Roughness Condition Index (RCI)	14				

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

COLLECTED: 8/26/2007
TOTAL LENGTH: 0.82 Miles

ROUTE: 0414 SWALE WORK CENTER ROAD

Section Number	0				
Section Length (mi)	0.82				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width Right (ft)**	2				
Shoulder Width Left (ft)**	2				
Roadway Condition Information					
SCR (Surface Condition Rating)	39				
PCR (Pavement Condition Rating)	37				
Distress Index Values					
Alligator Cracking Index	65				
Longitudinal Cracking Index	95				
Transverse Cracking Index	99				
Patching Index	98				
Rutting Index	73				
Roughness Condition Index (RCI)	31				

ROUTE: 0414 SWALE WORK CENTER ROAD

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

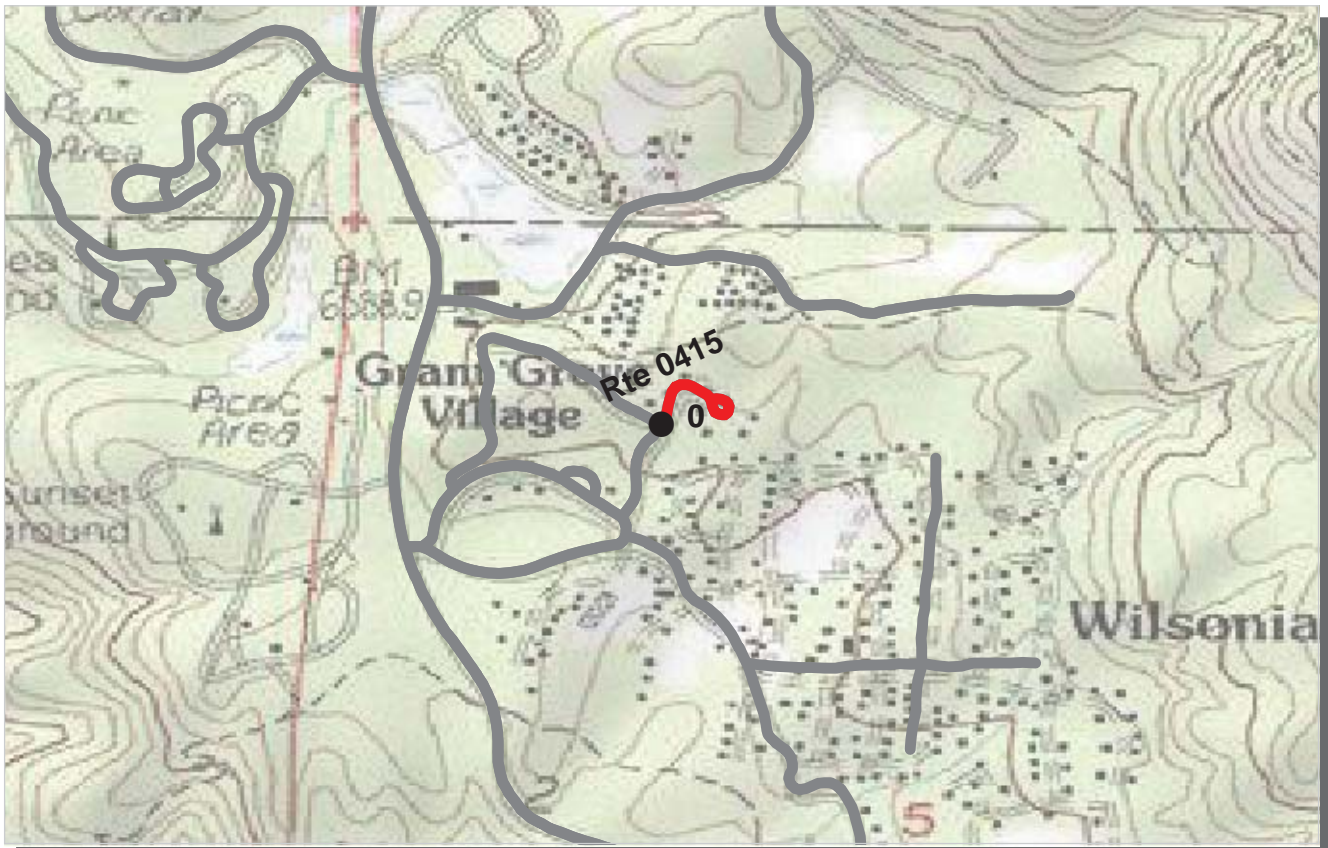
COLLECTED: 8/26/2007
TOTAL LENGTH: 0.06 Miles

ROUTE: 0414A SWALE WORK CENTER LOOP A

Section Number	0				
Section Length (mi)	0.06				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width Right (ft)**	3				
Shoulder Width Left (ft)**	4				
Roadway Condition Information					
SCR (Surface Condition Rating)	24				
PCR (Pavement Condition Rating)	24				
Distress Index Values					
Alligator Cracking Index	61				
Longitudinal Cracking Index	97				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	68				
Roughness Condition Index (RCI)	NC				

ROUTE: 0414A SWALE WORK CENTER LOOP A

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=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

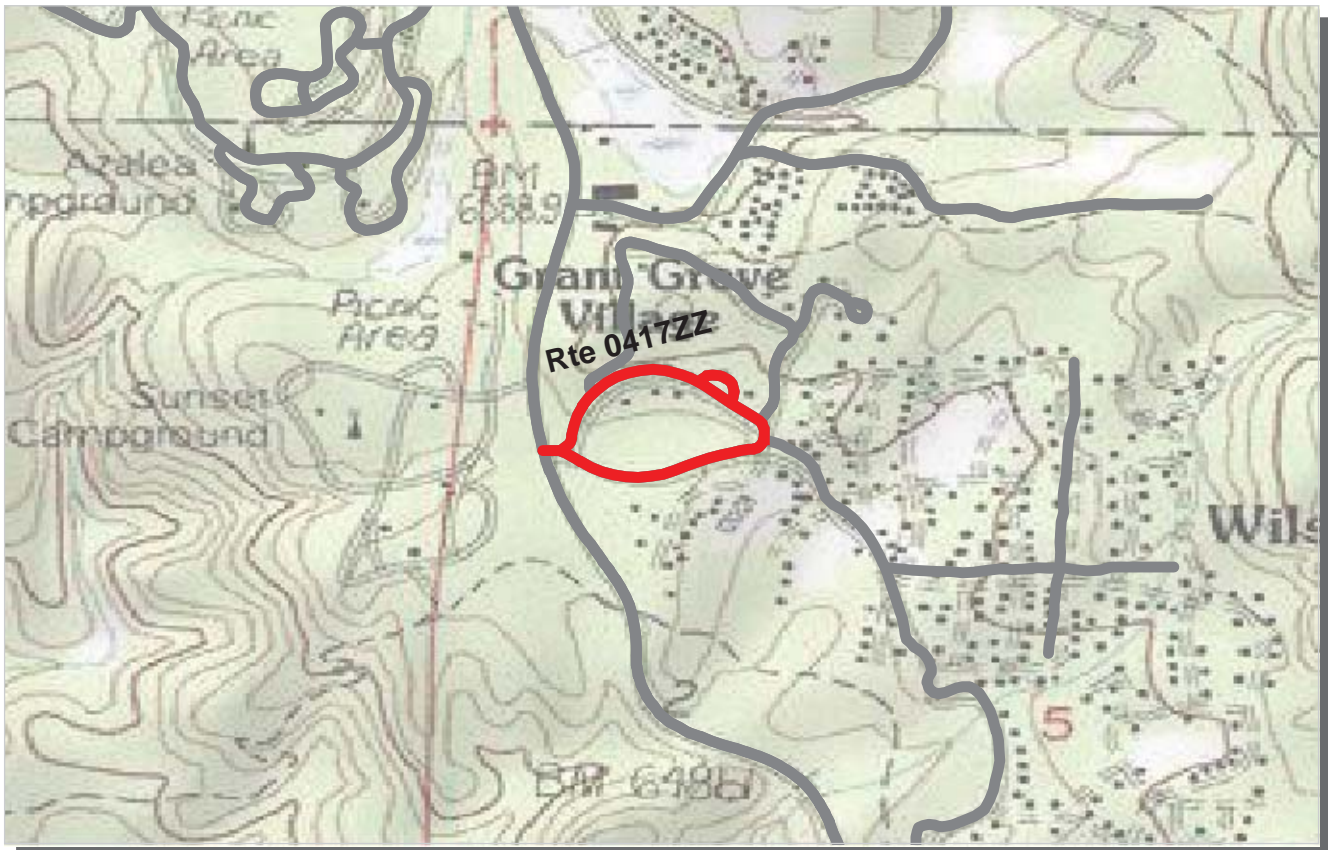
COLLECTED: 8/26/2007

ROUTE: 0415 GRANT GROVE RESIDENCE UPPER LOOP TOTAL LENGTH: 0.12 Miles

Section Number	0				
Section Length (mi)	0.12				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width Right (ft)**	5				
Shoulder Width Left (ft)**	2				
Roadway Condition Information					
SCR (Surface Condition Rating)	31				
PCR (Pavement Condition Rating)	31				
Distress Index Values					
Alligator Cracking Index	51				
Longitudinal Cracking Index	95				
Transverse Cracking Index	96				
Patching Index	99				
Rutting Index	83				
Roughness Condition Index (RCI)	NC				

ROUTE: 0415 GRANT GROVE RESIDENCE UPPER LOOP

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Summary Record COLLECTED: 8/26/2007
ROUTE: 0417ZZ GRANT GROVE RESIDENCE LOWER LOOP ROADS **TOTAL LENGTH: 0.47 Miles**

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)**	N/A				
Shoulder Width Left (ft)**	N/A				
Roadway Condition Information					
SCR (Surface Condition Rating)	38				
PCR (Pavement Condition Rating)	45				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0417ZZ GRANT GROVE RESIDENCE LOWER LOOP ROADS

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR	Poor	Fair	Good	Excellent	No Data
	(≤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

Subcomponent Record COLLECTED: 8/26/2007
ROUTE: 0417BZ GRANT GROVE RESIDENCE LOWER LOOP ROAD B **TOTAL LENGTH: 0.05 Miles**

Section Number	0				
Section Length (mi)	0.05				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	2				
Roadway Condition Information					
SCR (Surface Condition Rating)	20				
PCR (Pavement Condition Rating)	20				
Distress Index Values					
Alligator Cracking Index	24				
Longitudinal Cracking Index	96				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	83				
Roughness Condition Index (RCI)	NC				

ROUTE: 0417BZ GRANT GROVE RESIDENCE LOWER LOOP ROAD B

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=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

COLLECTED: 8/26/2007

ROUTE: 0418 GRANT GROVE WATER TOWER ACCESS ROAD TOTAL LENGTH: 0.41 Miles

Section Number	0				
Section Length (mi)	0.41				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	9				
Lane Width (ft)	9				
Shoulder Width Right (ft)**	2				
Shoulder Width Left (ft)**	5				
Roadway Condition Information					
SCR (Surface Condition Rating)	13				
PCR (Pavement Condition Rating)	18				
Distress Index Values					
Alligator Cracking Index	21				
Longitudinal Cracking Index	94				
Transverse Cracking Index	98				
Patching Index	99				
Rutting Index	88				
Roughness Condition Index (RCI)	46				

ROUTE: 0418 GRANT GROVE WATER TOWER ACCESS ROAD

** Shoulder widths are measured from video at 0.50 mile intervals along route tangents. Visibility of actual shoulders in video images may affect accuracy of measured shoulder widths.

Kings Canyon National Park



Section 6 **Manually Rated Paved Route** **Condition Rating Sheets (MRR)**

KINGS CANYON NATIONAL PARK

Route 0205

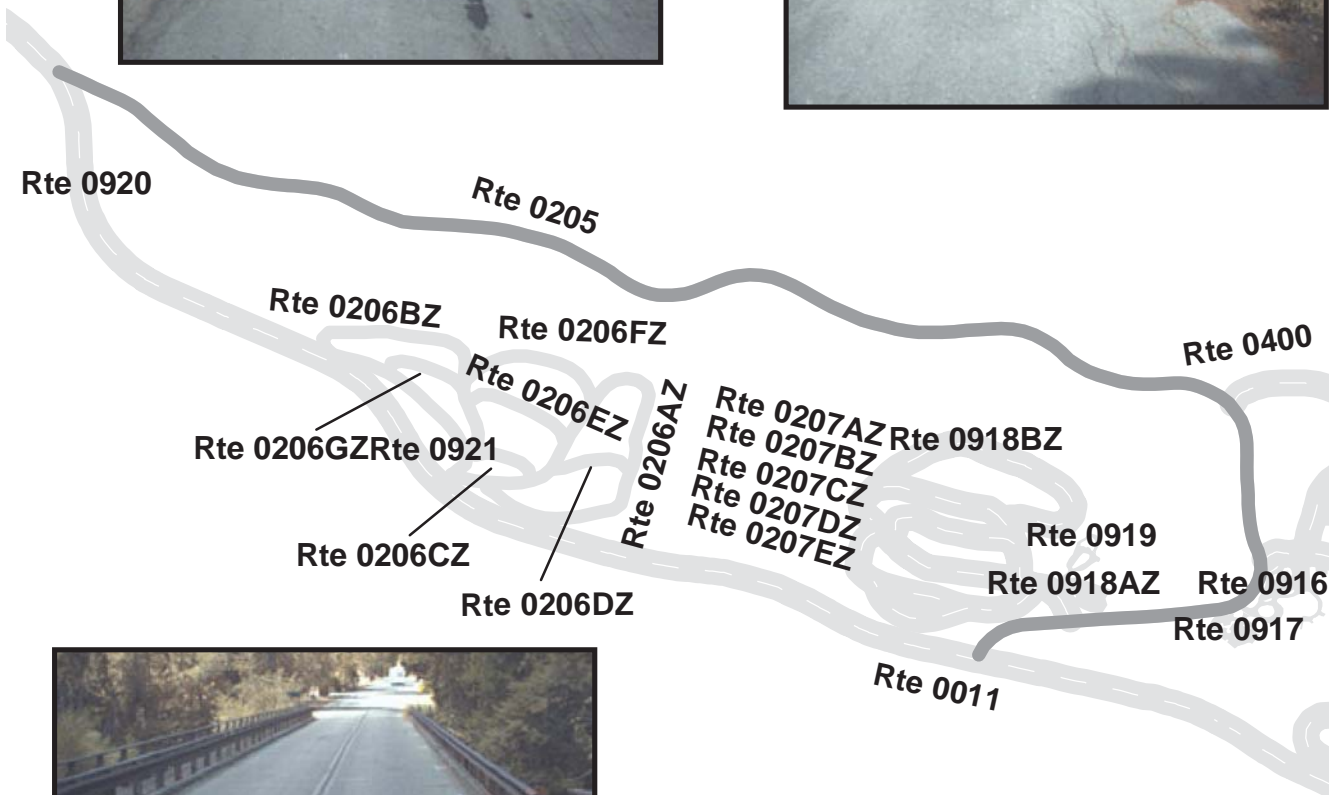
CEDAR GROVE NORTH SIDE ROAD

FROM ROUTE 0011 AT MP 0.70 ON LEFT

TO ROUTE 0011 AT MP 1.78

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0205	PUBLIC	8/29/2007		172,973	2.98	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
11	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0206ZZ

SHEEP CREEK CAMPGROUND ROADS

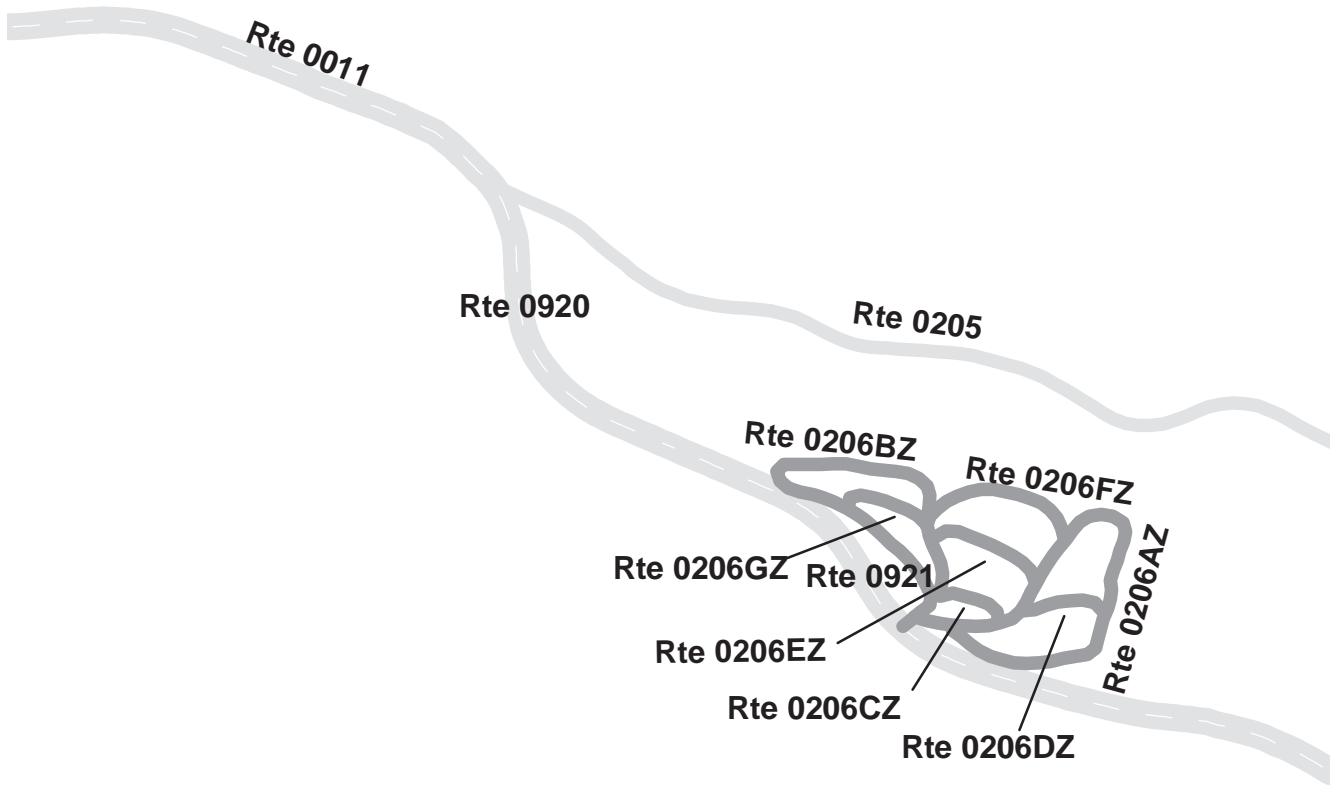
FROM ROUTE 0011 AT MP 1.29 ON LEFT

THROUGH CAMPGROUND

Summary Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	
0206ZZ	PUBLIC	8/29/2007	86,956	1.50	AS	
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	NO CURB	SUMMARY/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0206AZ

SHEEP CREEK CAMPGROUND ROAD A

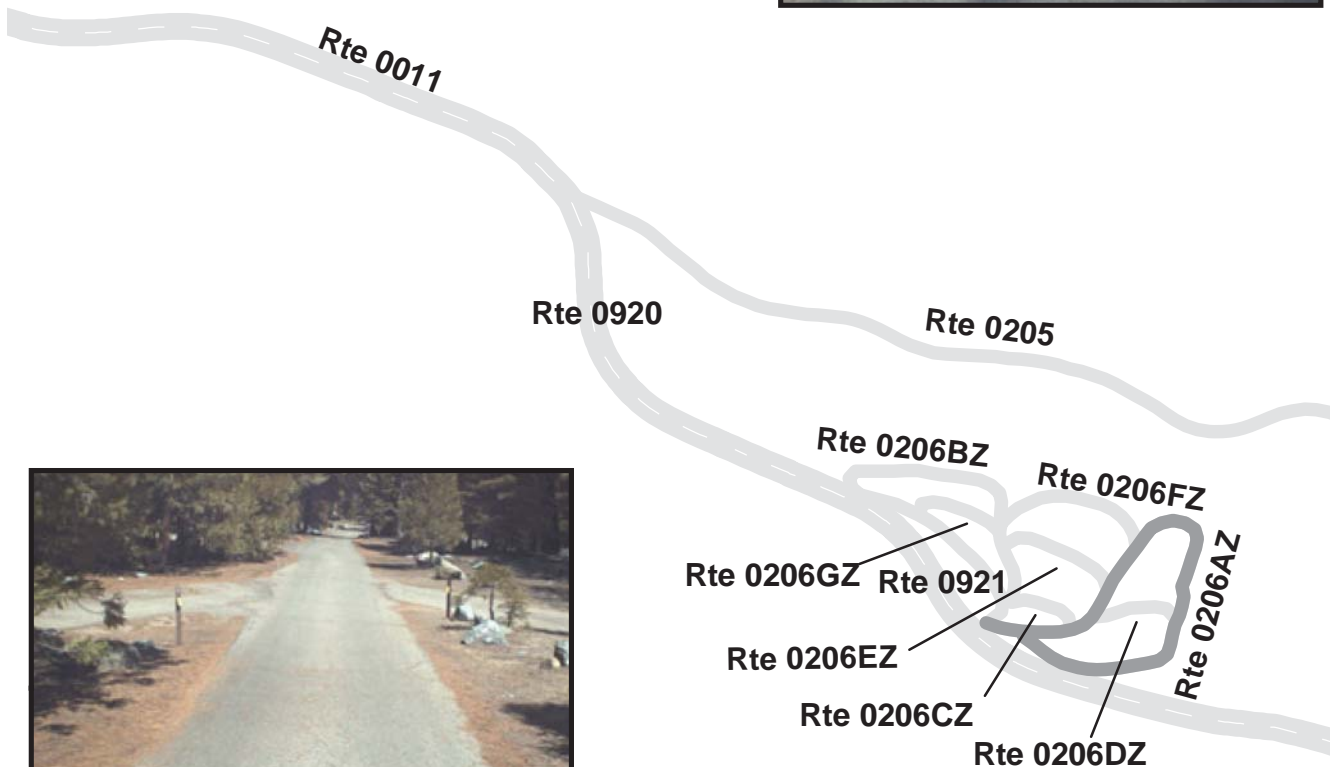
FROM ROUTE 0206BZ ON RIGHT

TO END OF LOOP

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0206AZ	PUBLIC	8/29/2007		29,652	0.51	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0206BZ

SHEEP CREEK CAMPGROUND ROAD B

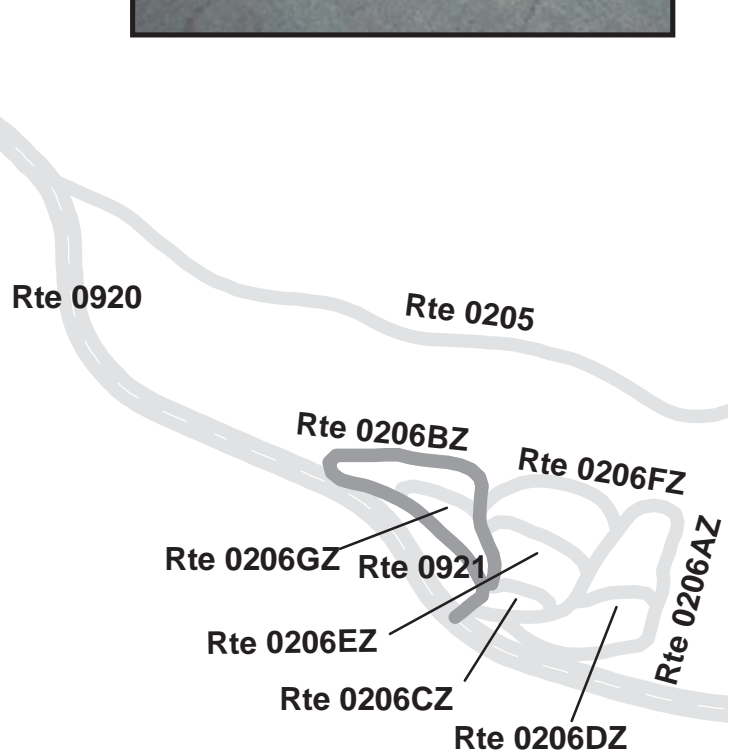
FROM ROUTE 0011

TO END OF LOOP

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0206BZ	PUBLIC	8/29/2007		28,417	0.49	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0206CZ

SHEEP CREEK CAMPGROUND ROAD C

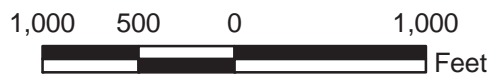
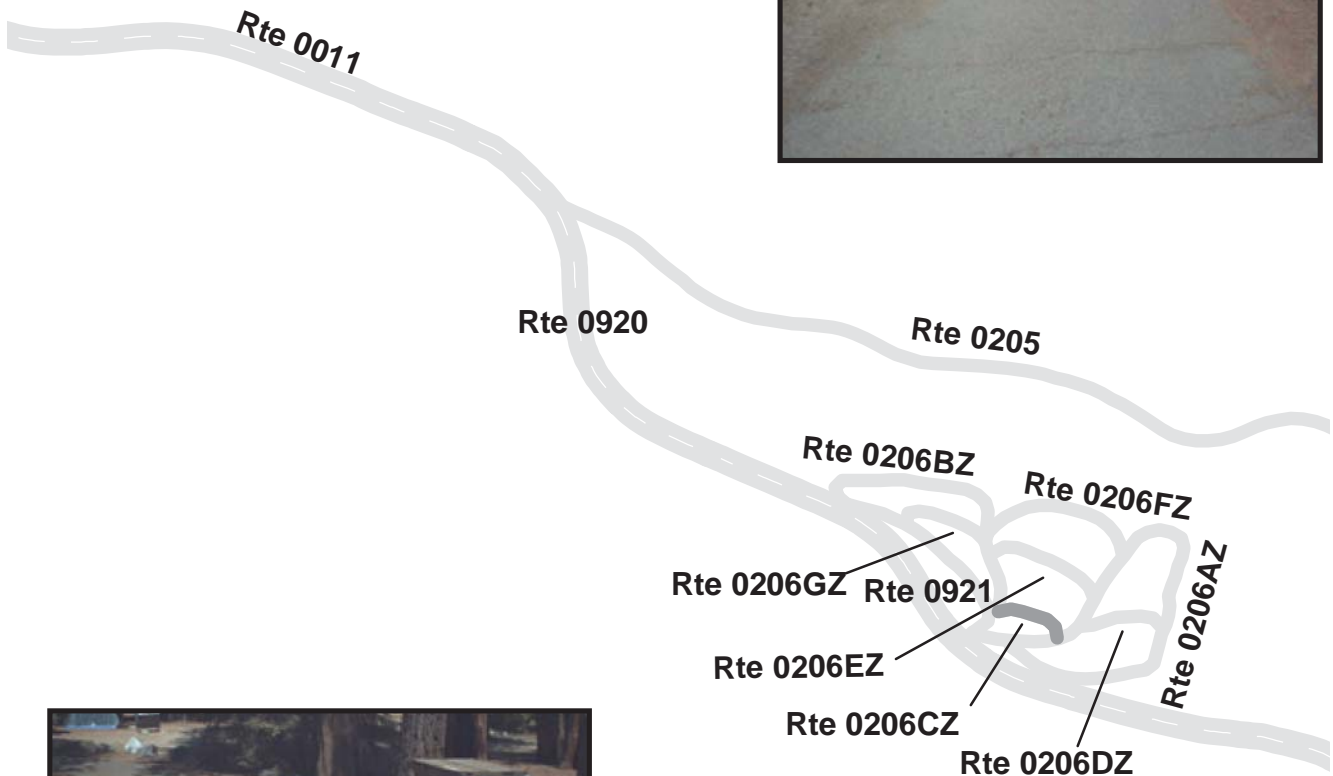
FROM ROUTE 0206AZ ON LEFT

TO ROUTE 0206BZ

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0206CZ	PUBLIC	8/29/2007		3,928	0.07	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0206DZ

SHEEP CREEK CAMPGROUND ROAD D

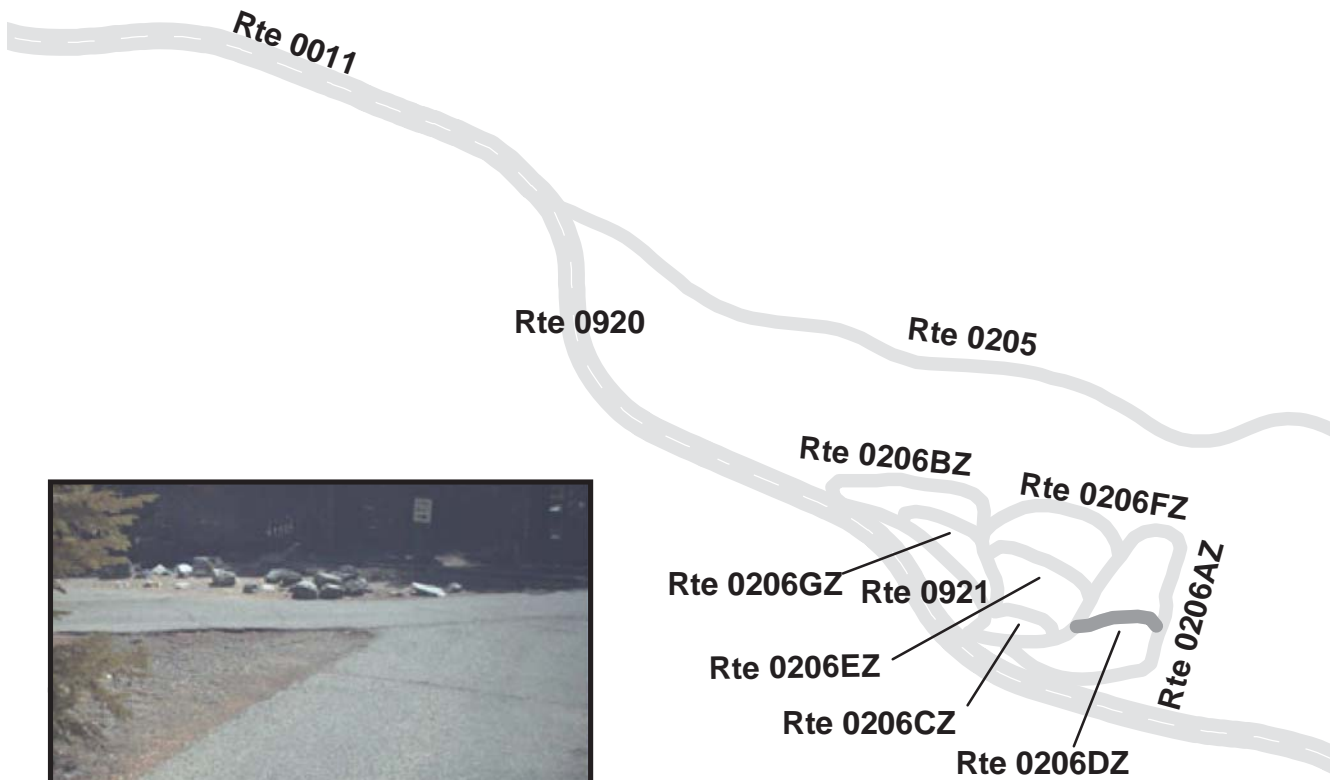
FROM ROUTE 0206AZ ON RIGHT

TO ROUTE 0206AZ

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0206DZ	PUBLIC	8/29/2007		4,398	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0206EZ

SHEEP CREEK CAMPGROUND ROAD E

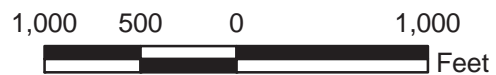
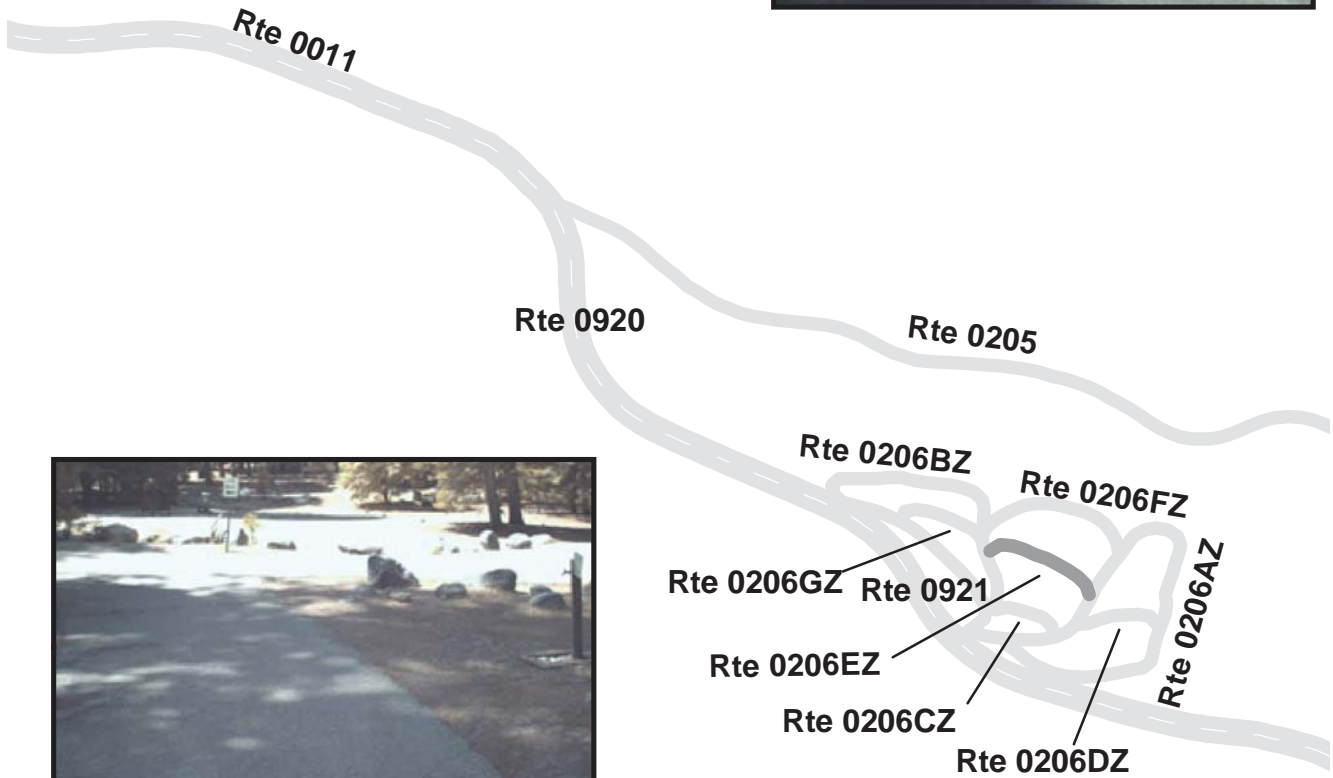
FROM ROUTE 0206AZ ON LEFT

TO ROUTE 0206BZ

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0206EZ	PUBLIC	8/29/2007		6,230	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0206FZ

SHEEP CREEK CAMPGROUND ROAD F

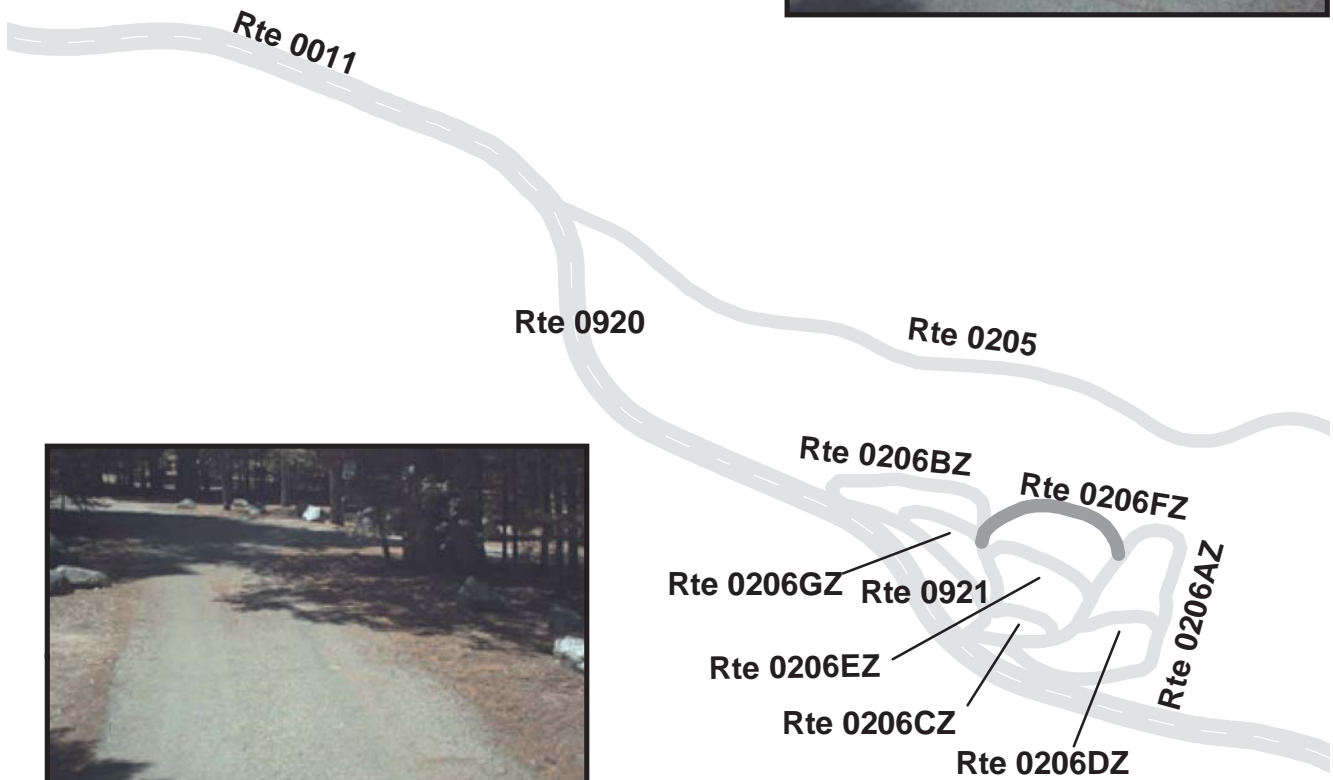
FROM ROUTE 0206AZ ON LEFT

TO ROUTE 0206BZ

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0206FZ	PUBLIC	8/29/2007		9,346	0.16	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0206GZ

SHEEP CREEK CAMPGROUND ROAD G

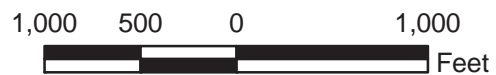
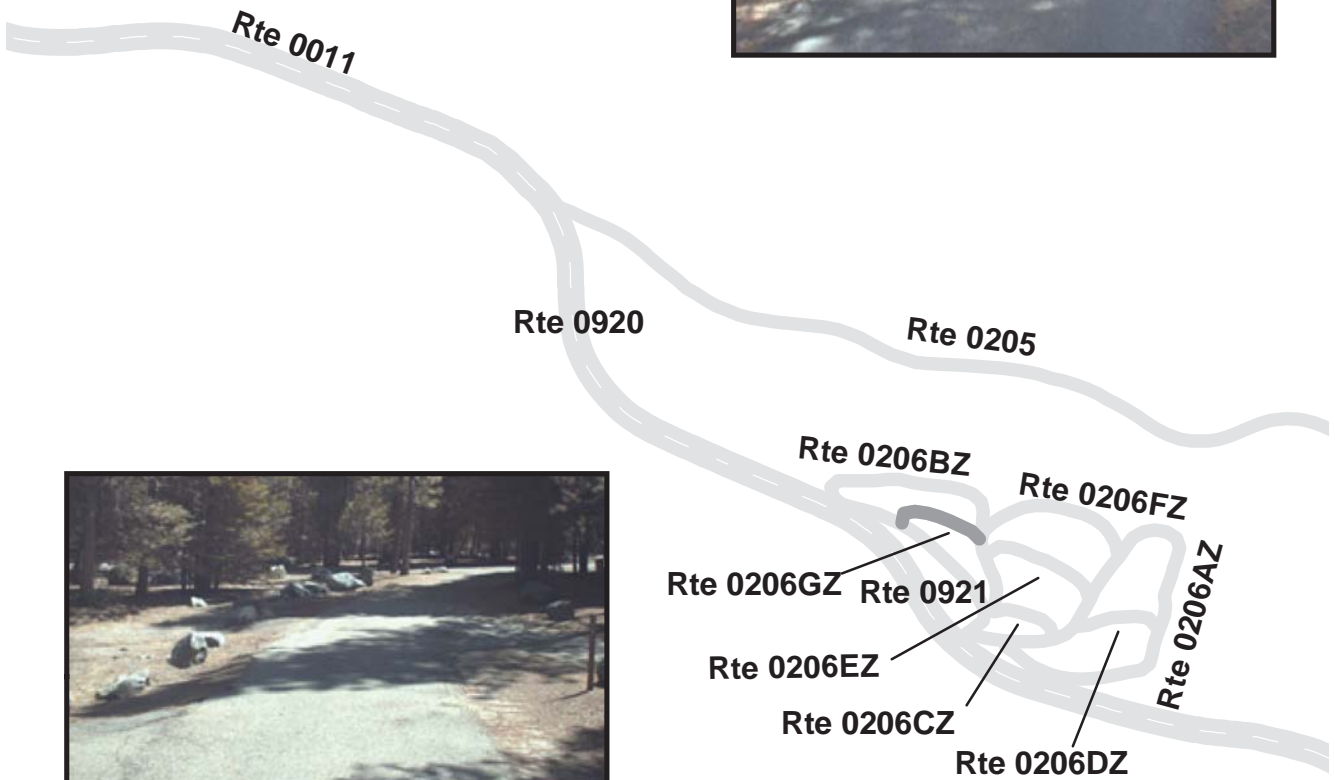
FROM ROUTE 0206BZ ON RIGHT

TO ROUTE 0206BZ

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0206GZ	PUBLIC	8/29/2007		4,984	0.09	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0209AZ

MORaine CAMPGROUND ROAD A

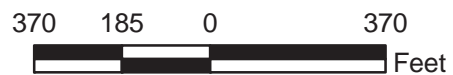
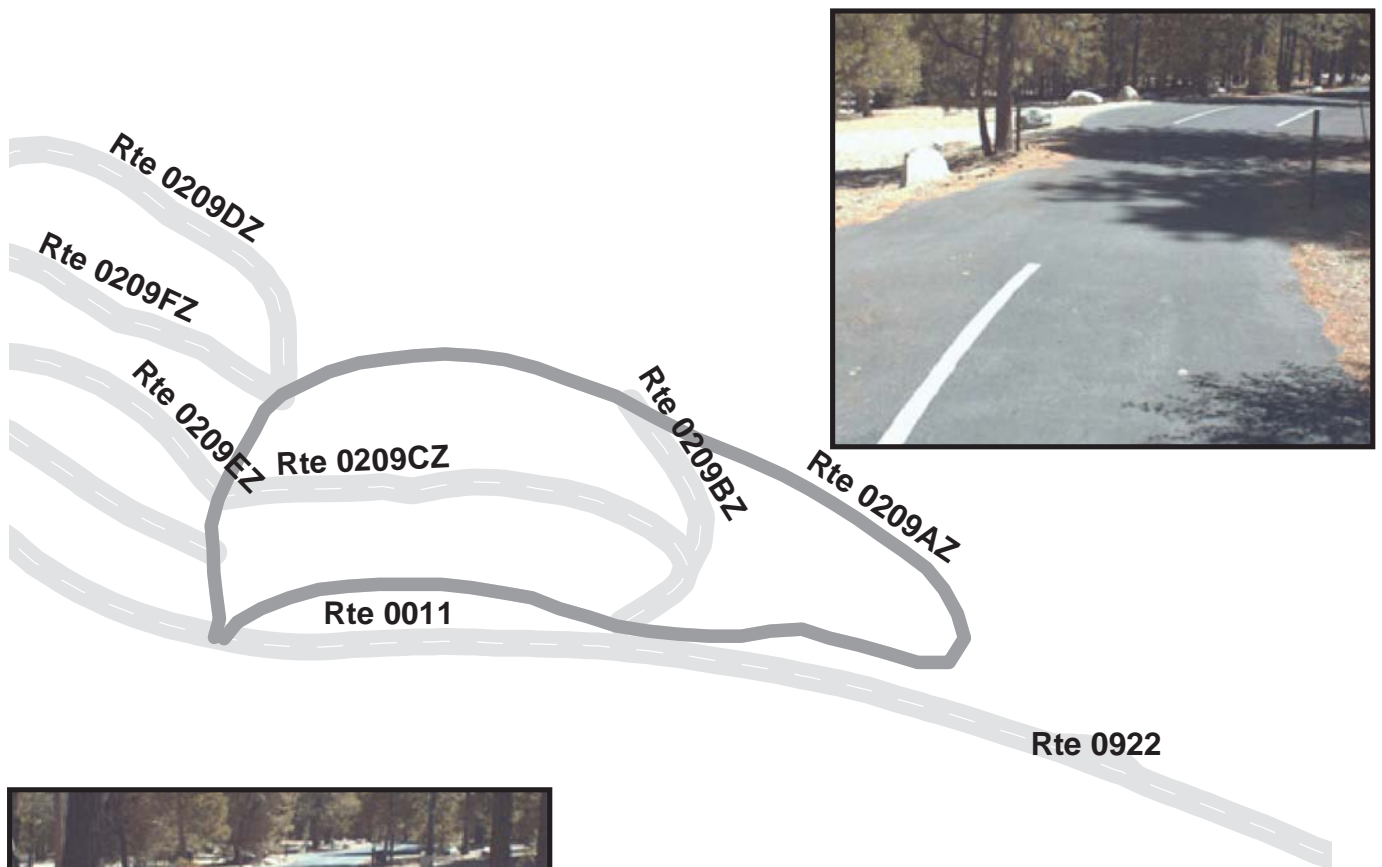
FROM ROUTE 0011 AT MP 2.53 ON LEFT

TO ROUTE 0011

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0209AZ	PUBLIC	8/23/2007		40,593	0.70	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
2	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

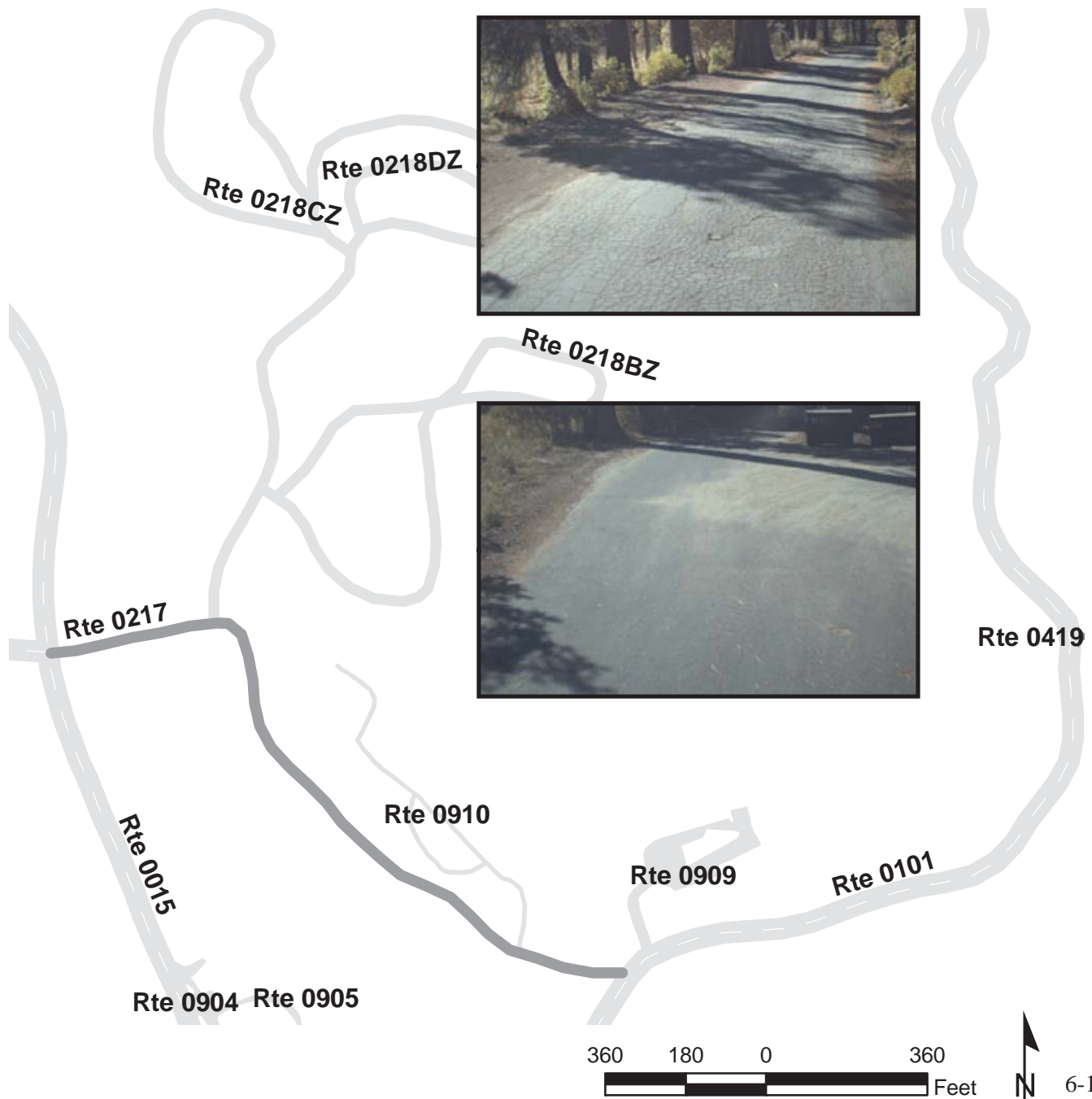
Route 0217

CRYSTAL SPRINGS ROAD

FROM ROUTE 0015 AT MP 3.58 ON RIGHT
TO ROUTE 0101

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0217	PUBLIC	8/28/2007		24,689	0.43	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
3	1	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths

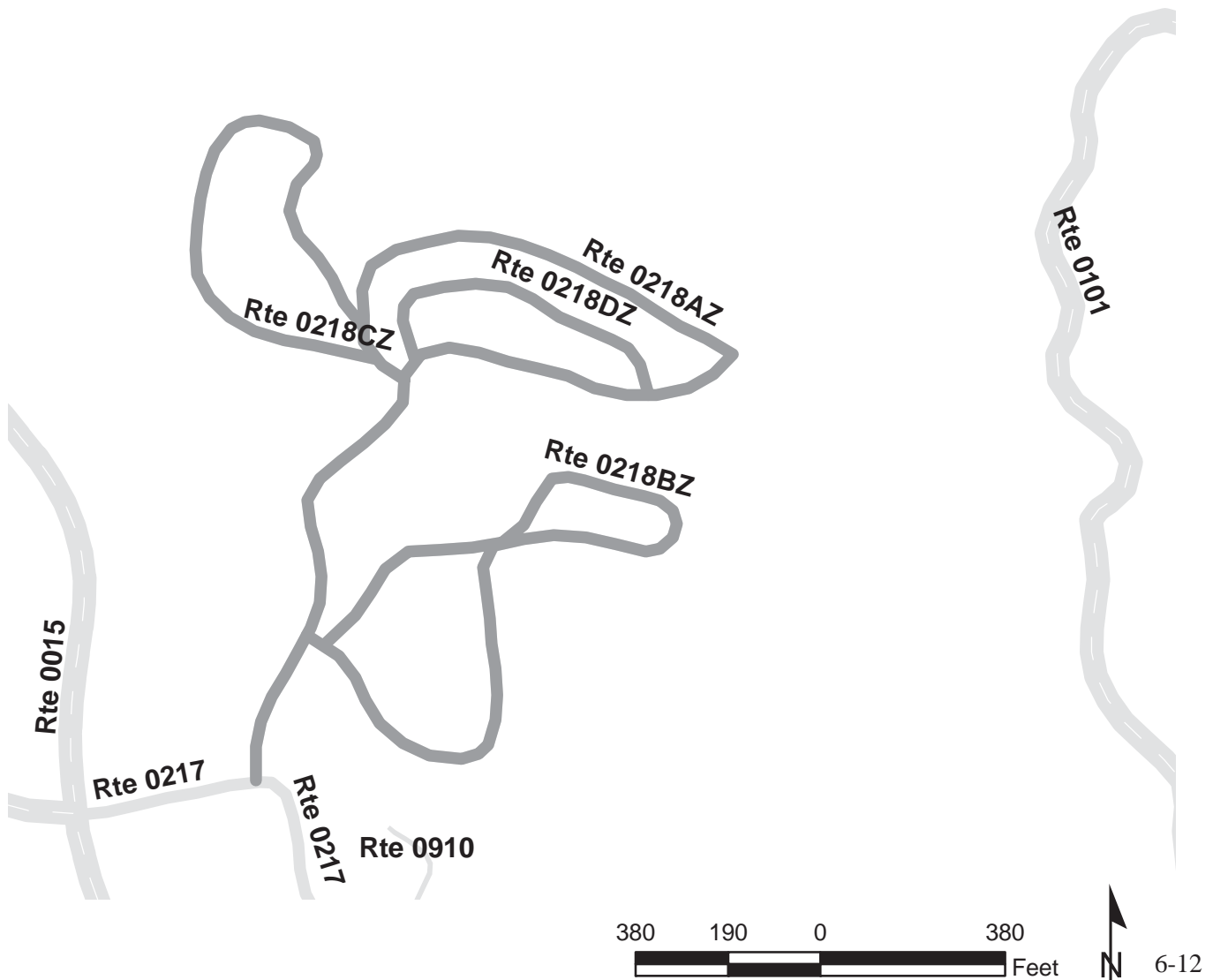


KINGS CANYON NATIONAL PARK
Route 0218ZZ
CRYSTAL SPRINGS CAMPGROUND ROADS
FROM ROUTE 0217 ON LEFT
THROUGH CAMPGROUND

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0218ZZ	PUBLIC	8/28/2007		83,868	1.44	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	0	NO CURB AND GUTTER	NO CURB	SUMMARY/45

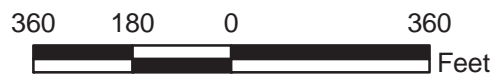
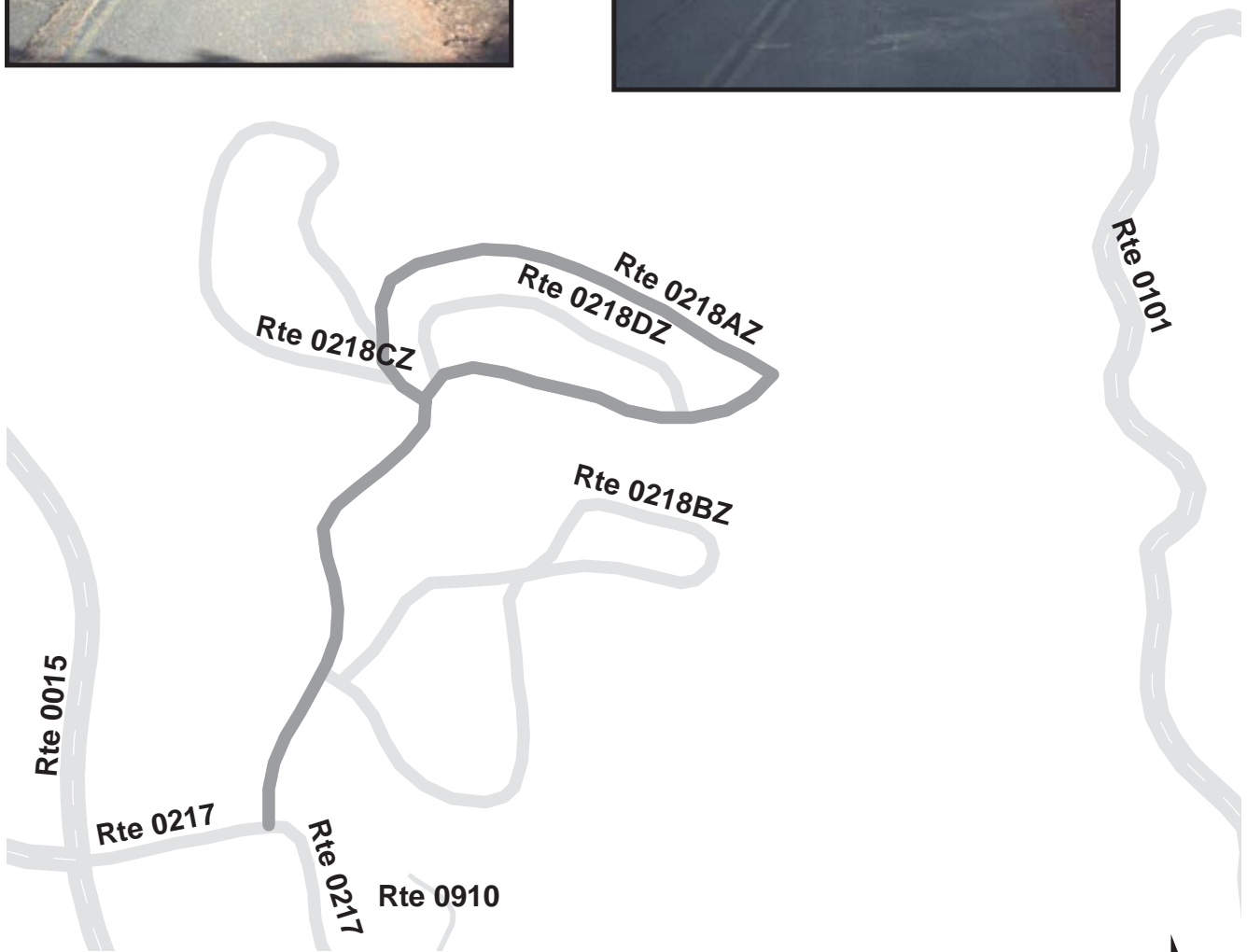
* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK
Route 0218AZ
CRYSTAL SPRINGS CAMPGROUND ROAD A
FROM ROUTE 0217
TO END OF LOOP
 Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0218AZ	PUBLIC	8/28/2007		33,750	0.58	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

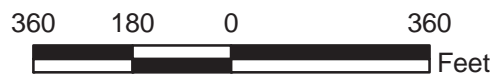
* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK
Route 0218BZ
CRYSTAL SPRINGS CAMPGROUND ROAD B
FROM ROUTE 0218AZ
TO END OF LOOP
 Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0218BZ	PUBLIC	8/28/2007		25,281	0.44	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

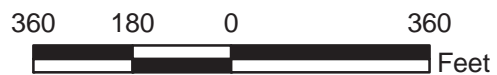
* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK
Route 0218CZ
CRYSTAL SPRINGS CAMPGROUND ROAD C
FROM ROUTE 0218AZ
TO ROUTE 0218AZ
 Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0218CZ	PUBLIC	8/28/2007		16,474	0.28	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

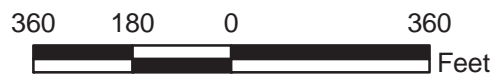
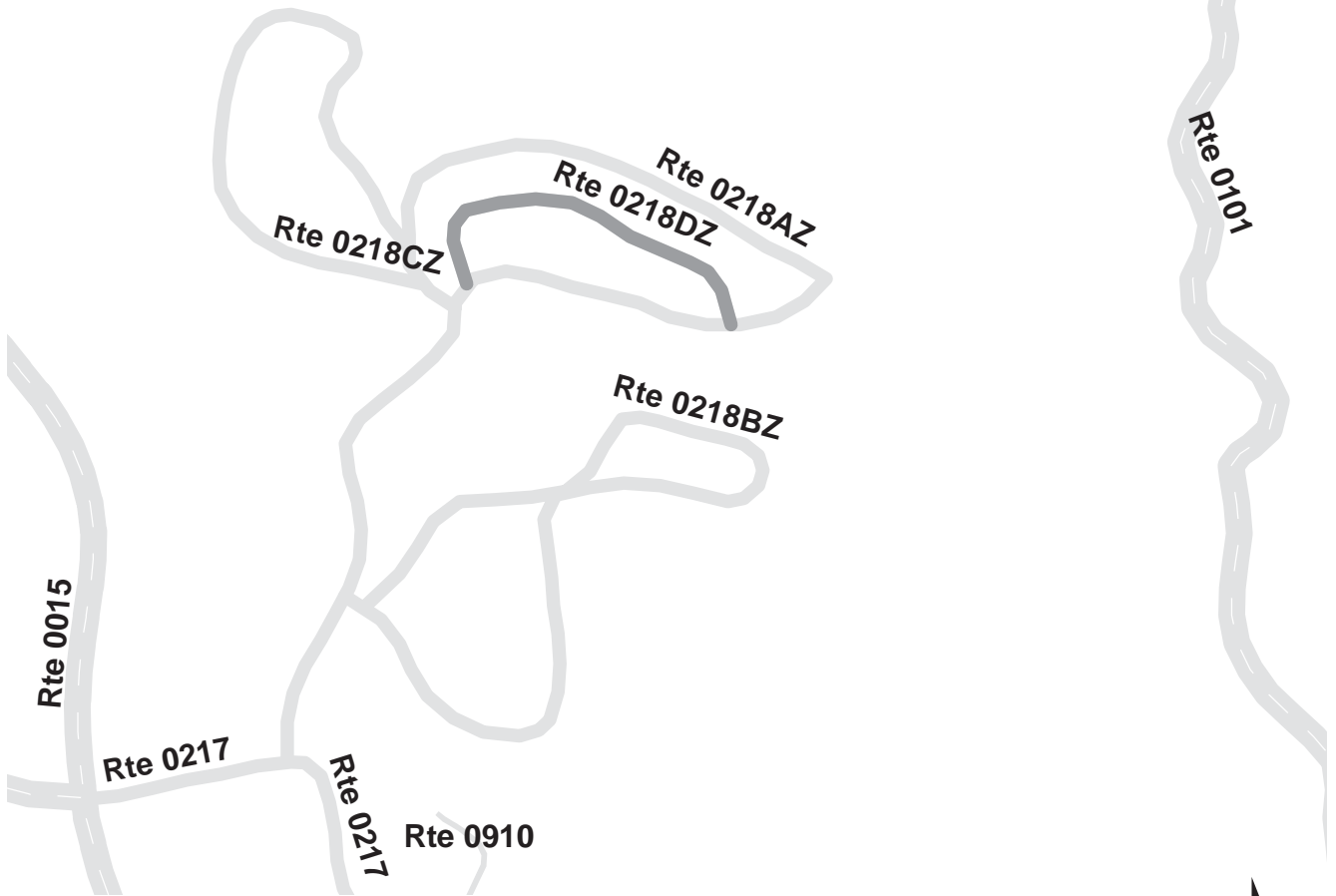
* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK
Route 0218DZ
CRYSTAL SPRINGS CAMPGROUND ROAD D
FROM ROUTE 0218AZ
TO ROUTE 0218AZ
 Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0218DZ	PUBLIC	8/28/2007		8,364	0.14	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

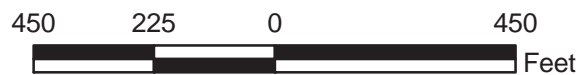
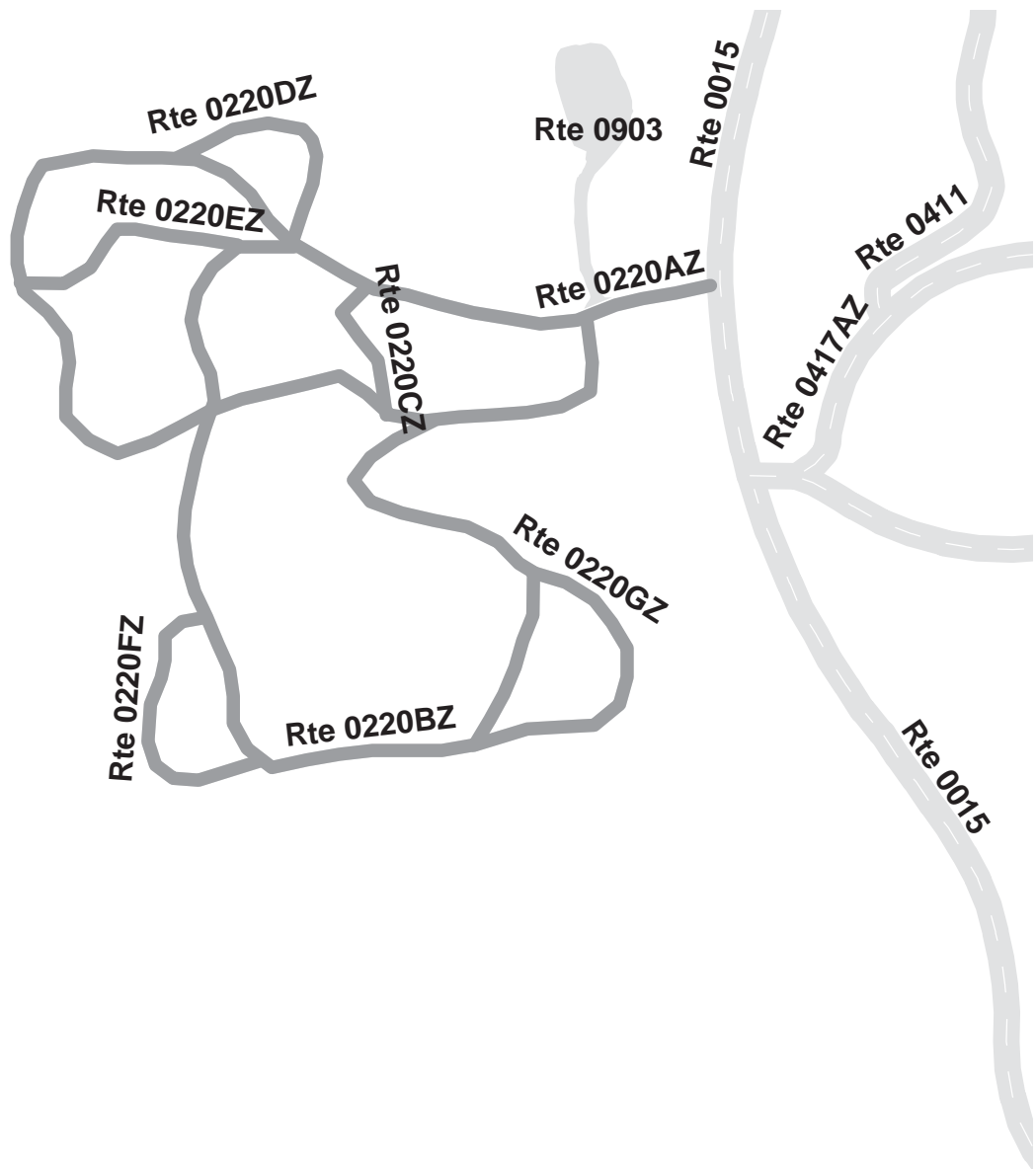
Route 0220ZZ

SUNSET CAMPGROUND ROADS
FROM ROUTE 0015 AT MP 3.17 ON LEFT
THROUGH CAMPGROUND

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0220ZZ	PUBLIC	8/28/2007		96,194	1.66	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
4	2	0	0	NO CURB AND GUTTER	NO CURB	SUMMARY/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0220AZ

SUNSET CAMPGROUND ROAD A
 FROM ROUTE 0015 AT MP 3.17 ON LEFT
 TO END OF LOOP

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0220AZ	PUBLIC	8/28/2007		36,622	0.63	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0220BZ

SUNSET CAMPGROUND ROAD B
FROM ROUTE 0220AZ AT MP 0.2 ON LEFT
TO ROUTE 0220AZ

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0220BZ	PUBLIC	8/28/2007		30,877	0.53	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
3	1	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0220CZ

SUNSET CAMPGROUND ROAD C

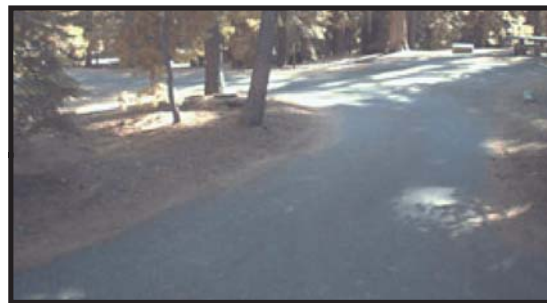
FROM ROUTE 0220AZ

TO ROUTE 0220AZ

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0220CZ	PUBLIC	8/28/2007		3,511	0.06	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0220DZ

SUNSET CAMPGROUND ROAD D

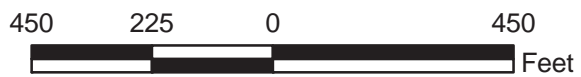
FROM ROUTE 0220AZ

TO ROUTE 0220AZ

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0220DZ	PUBLIC	8/28/2007		5,745	0.10	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0220EZ

SUNSET CAMPGROUND ROAD E

FROM ROUTE 0220BZ

TO ROUTE 0220AZ

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0220EZ	PUBLIC	8/28/2007		4,731	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0220FZ

SUNSET CAMPGROUND ROAD F

FROM ROUTE 0220BZ

TO ROUTE 0220BZ

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0220FZ	PUBLIC	8/28/2007		6,460	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0220GZ

SUNSET CAMPGROUND ROAD G

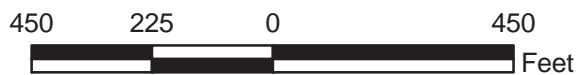
FROM ROUTE 0220BZ

TO ROUTE 0220BZ

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0220GZ	PUBLIC	8/28/2007		8,247	0.14	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0419

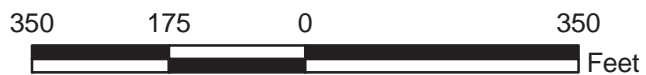
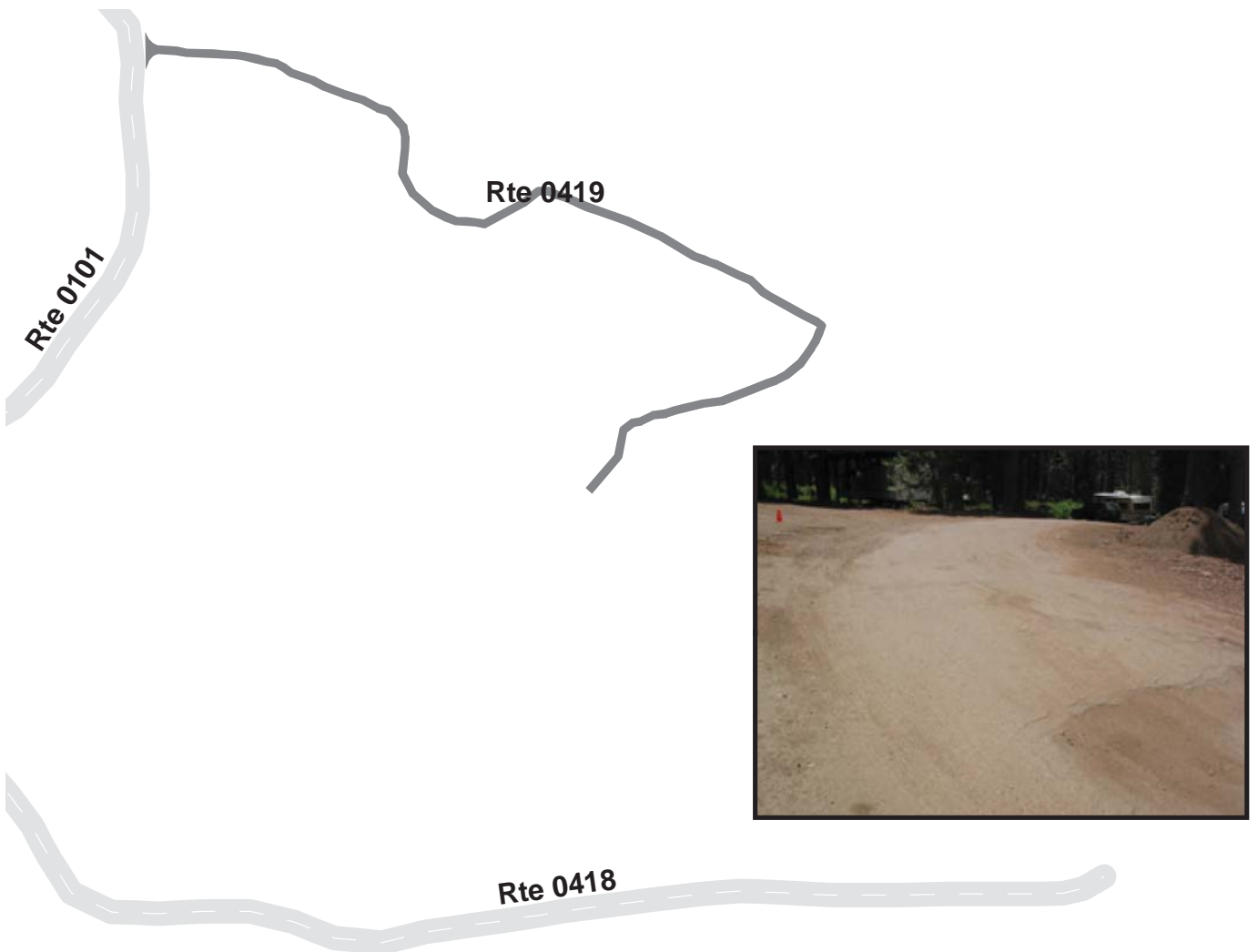
TRAILER RESIDENCE ROAD

FROM ROUTE 0101

TO END

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0419	NONPUBLIC	6/6/2007		15,227	0.26	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	1	1	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



Kings Canyon National Park



Section 7 **Parking Area Condition Rating Sheets**

KINGS CANYON NATIONAL PARK

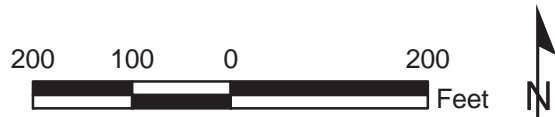
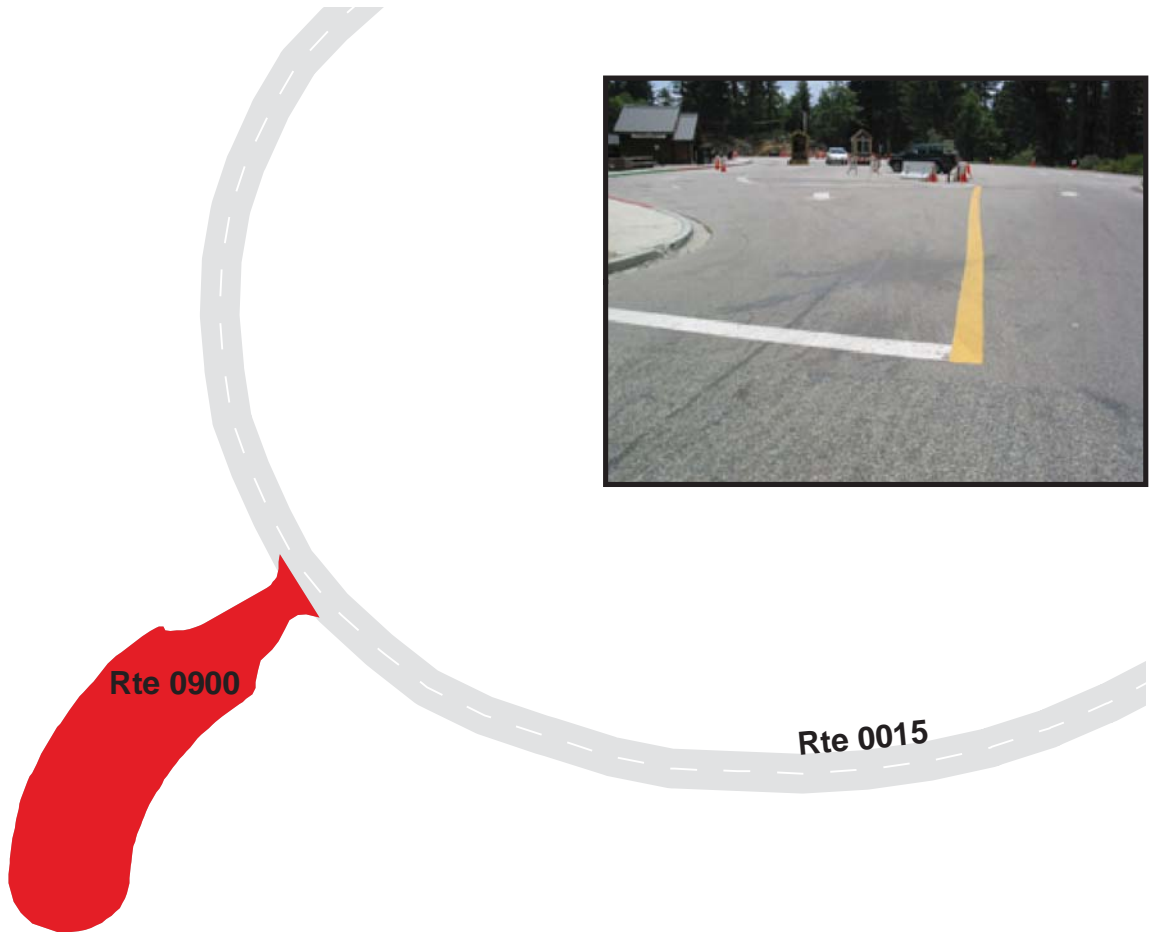
Route 0900

BIG STUMP PICNIC AREA

ADJACENT TO ROUTE 0015 (SOUTH) AT MP 0.88 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0900	PUBLIC	6/6/2007		35,947	0.62	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	2	1	0	CONCRETE CURB AND GUTTER	NO CURB	GOOD/90

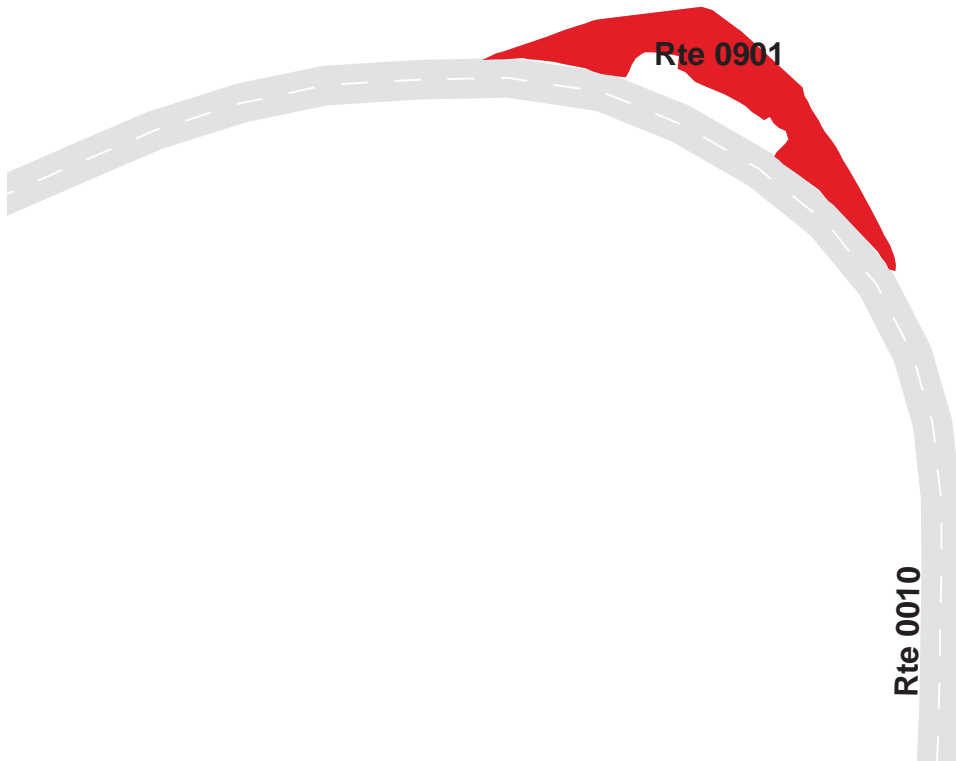
* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK
Route 0901
KINGS CANYON OVERLOOK
 ADJACENT TO ROUTE 0010 AT MP 8.58 ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0901	PUBLIC	6/6/2007		8,097	0.14	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

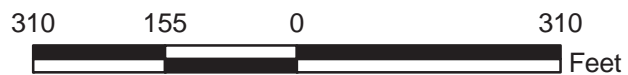
Route 0902

GRANT GROVE MAINTENANCE AREA

ADJACENT TO ROUTE 0417ZZ

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0902	NONPUBLIC	6/6/2007		38,101	0.66	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	2	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0903

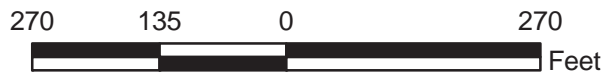
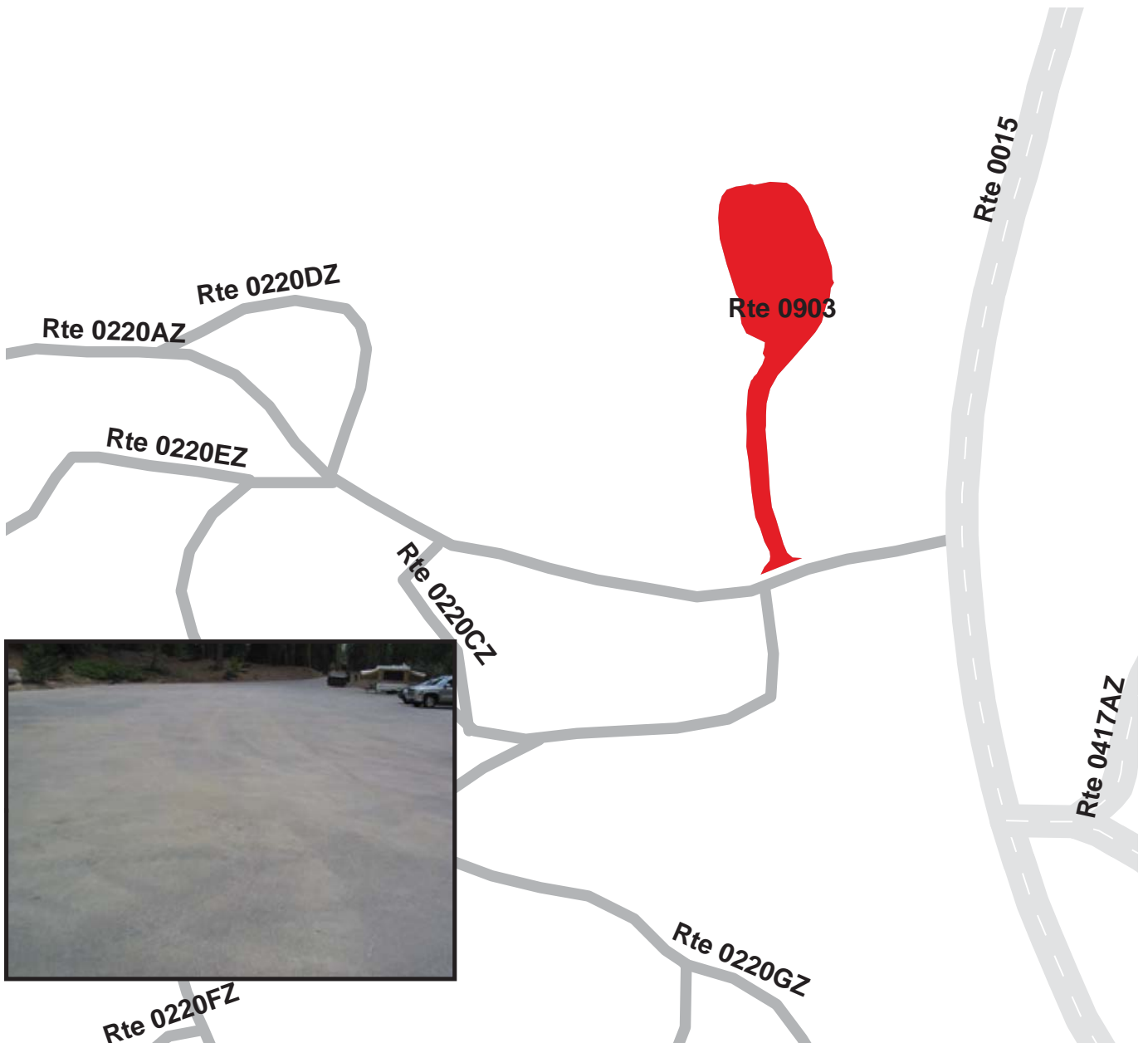
SUNSET AMPHITHEATER PARKING

FROM ROUTE 0220ZZ

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0903	PUBLIC	6/6/2007		24,948	0.43	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	2	0	0	ASPHALT CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



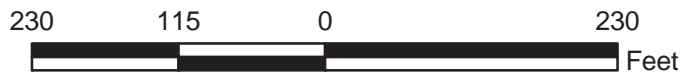
KINGS CANYON NATIONAL PARK

Route 0904

GRANT GROVE CONCESSION PARKING
 ADJACENT TO ROUTE 0015 AT MP 3.40 ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0904	PUBLIC	6/6/2007		16,445	0.28	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	1	CONCRETE CURB AND GUTTER	CONCRETE CURB	FAIR/73

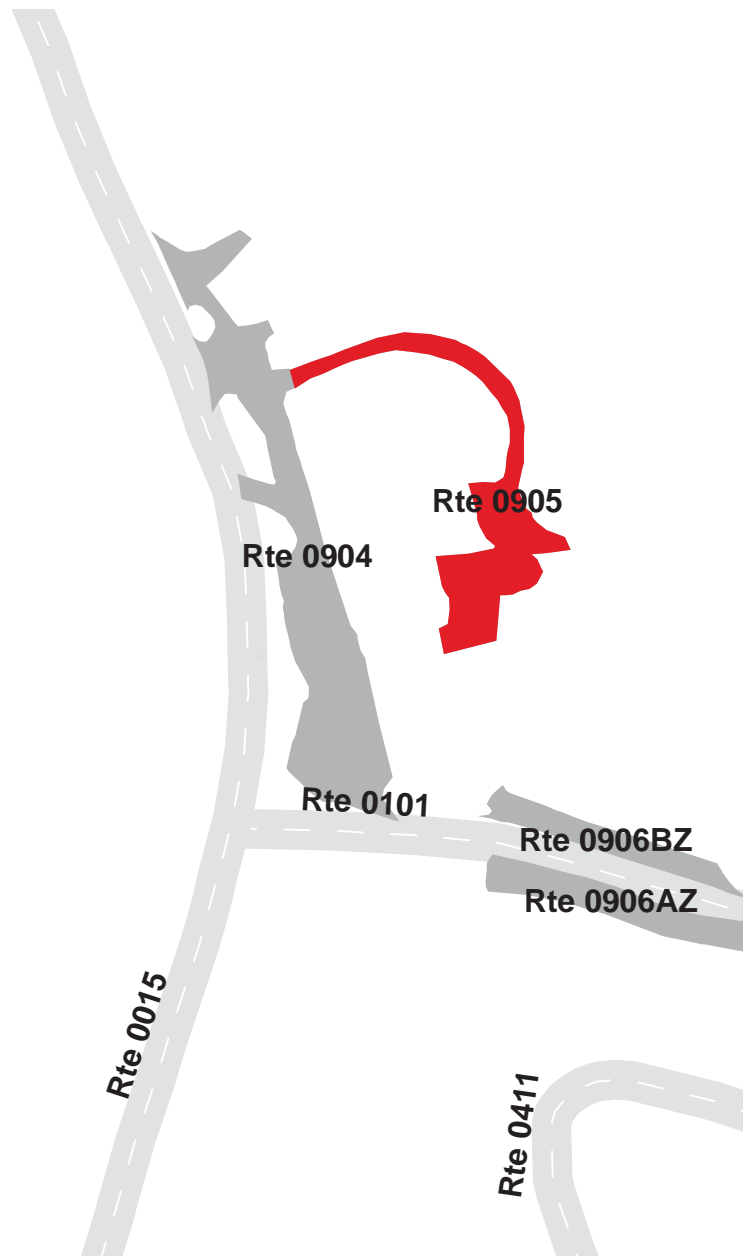
* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK
Route 0905
 GRANT GROVE CONCESSION SERVICE ACCESS
 FROM ROUTE 0904
 TO LOADING AREA

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0905	NONPUBLIC	6/6/2007		8,263	0.14	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	1	1	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

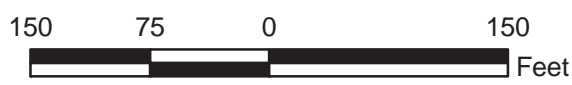
Route 0906ZZ

GRANT GROVE VISITOR CENTER PARKING AREAS
ADJACENT TO ROUTE 0101 AT MP 0.0 ON LEFT AND RIGHT

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0906ZZ	PUBLIC	6/6/2007		13,198	0.23	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	2	0	1	CONCRETE CURB AND GUTTER	NO CURB	SUMMARY/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK
Route 0906AZ
 GRANT GROVE VISITOR CENTER PARKING AREA A
 ADJACENT TO ROUTE 0101 AT MP 0.06 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0906AZ	PUBLIC	6/6/2007		7,630	0.13	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths

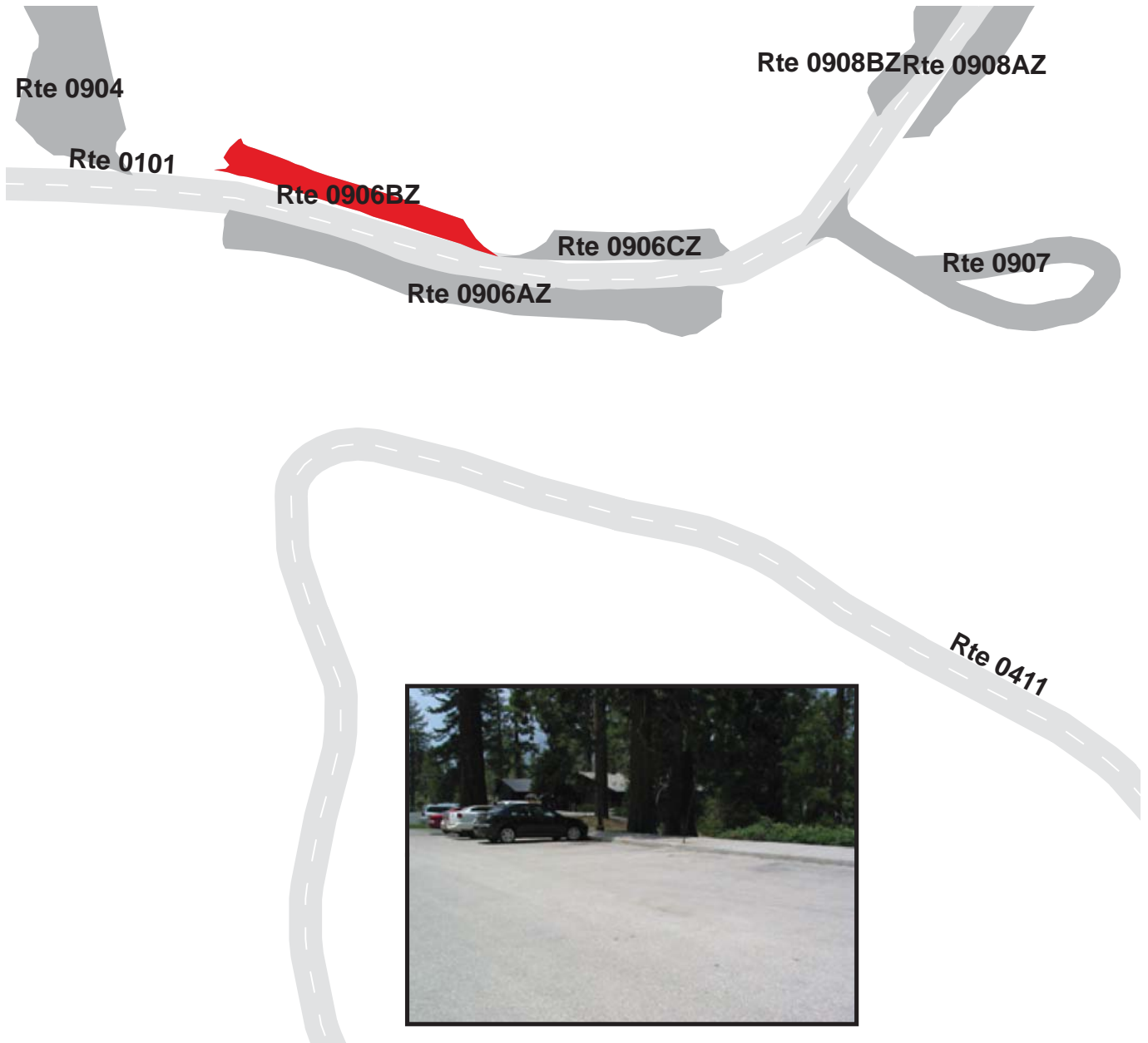


KINGS CANYON NATIONAL PARK
Route 0906BZ
 GRANT GROVE VISITOR CENTER PARKING AREA B
 ADJACENT TO ROUTE 0101 AT MP 0.05 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0906BZ	PUBLIC	6/6/2007		3,125	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths

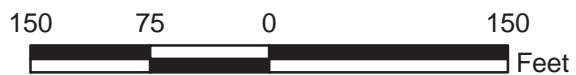
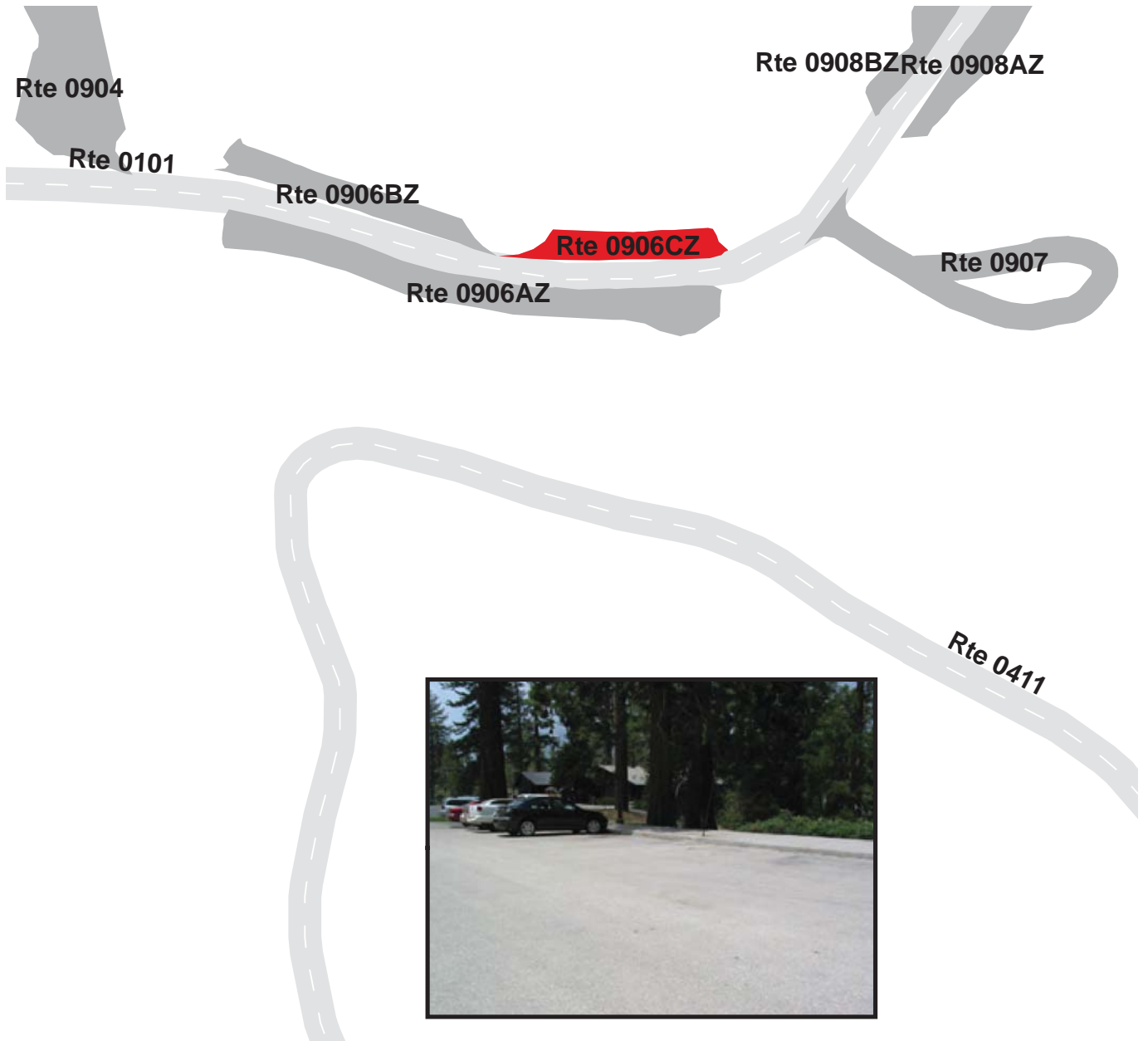


KINGS CANYON NATIONAL PARK
Route 0906CZ
 GRANT GROVE VISITOR CENTER PARKING AREA C
 ADJACENT TO ROUTE 0101 AT MP 0.08 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0906CZ	PUBLIC	6/6/2007		2,442	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	CONCRETE CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

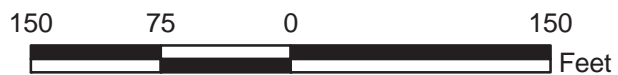
Route 0907

MANZANITA TRAIL PARKING

ADJACENT TO ROUTE 0101 AT MP 0.09 ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0907	PUBLIC	6/6/2007		6,324	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0908ZZ

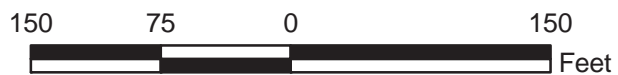
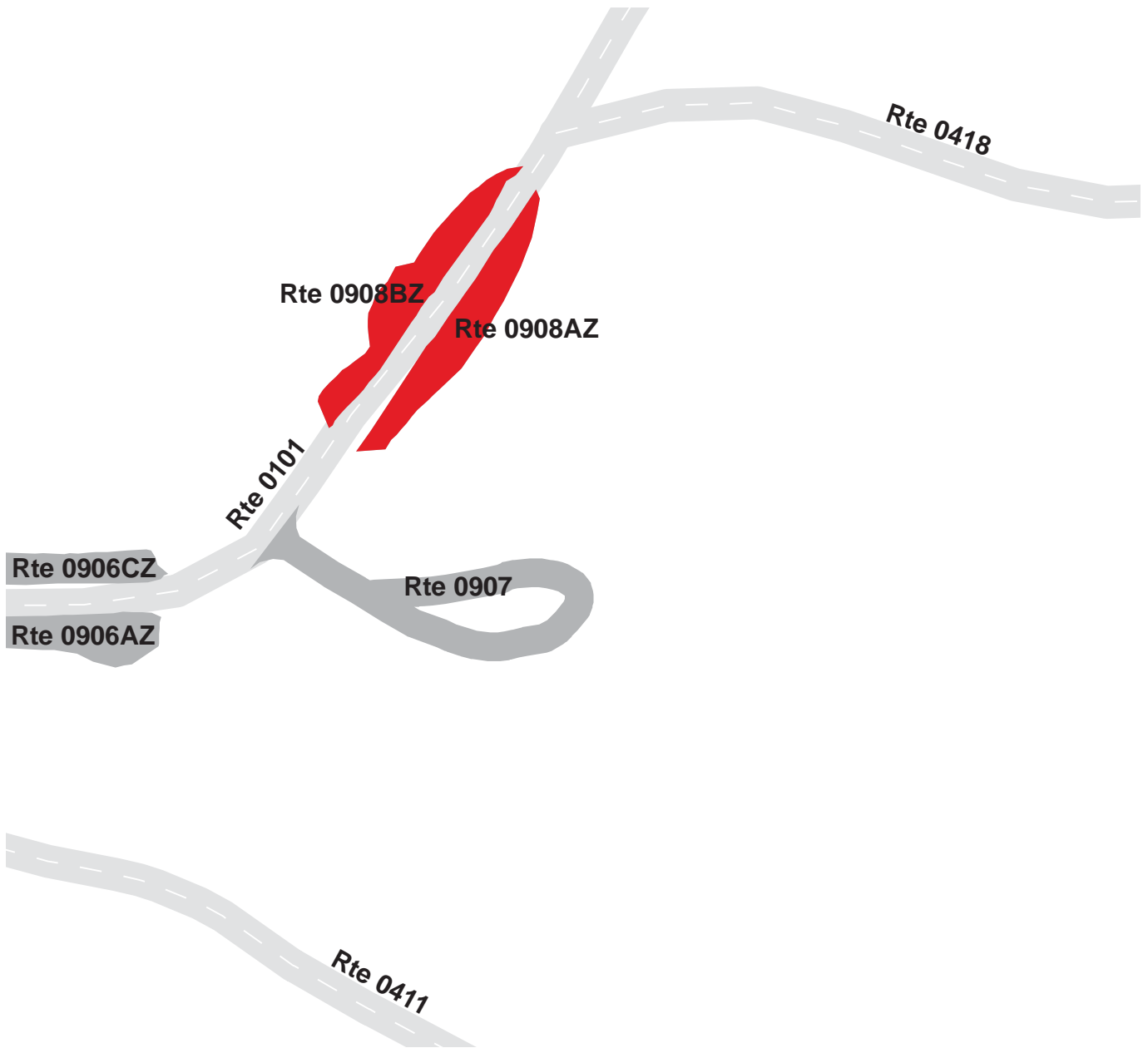
GRANT GROVE VILLAGE PARKING AREAS

ADJACENT TO ROUTE 0101 AT MP 0.1 ON LEFT AND RIGHT

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0908ZZ	PUBLIC	6/6/2007		7,277	0.13	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	SUMMARY/73

* Lane miles are based on 11' lane widths

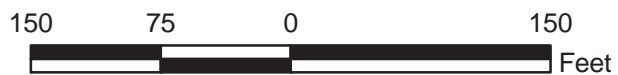
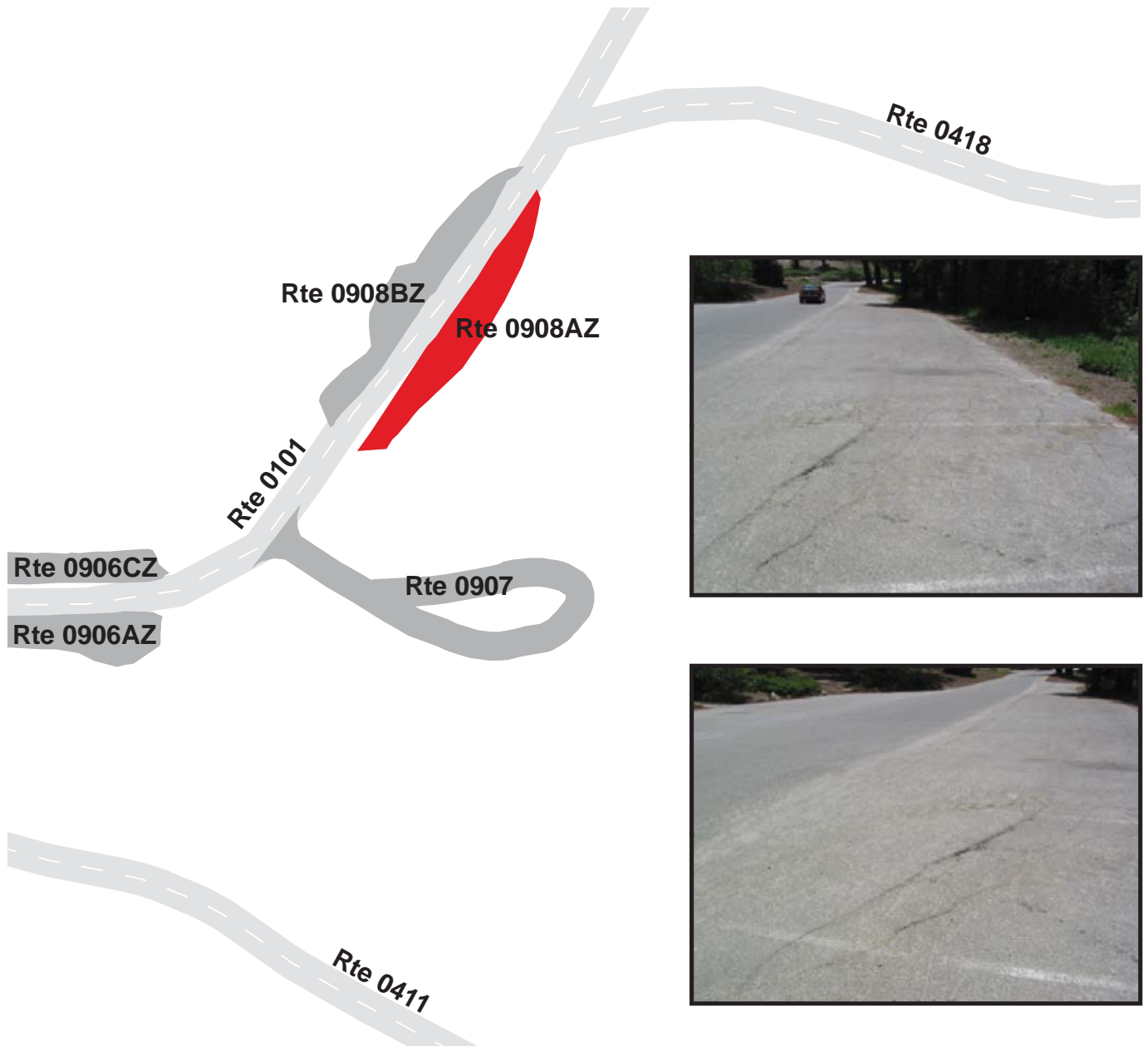


KINGS CANYON NATIONAL PARK
Route 0908AZ
 GRANT GROVE VILLAGE PARKING AREA A
 ADJACENT TO ROUTE 0101 AT MP 0.14 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0908AZ	PUBLIC	6/6/2007		3,584	0.06	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK
Route 0908BZ
 GRANT GROVE VILLAGE PARKING AREA B
 ADJACENT TO ROUTE 0101 AT MP 0.13 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0908BZ	PUBLIC	6/6/2007		3,693	0.06	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



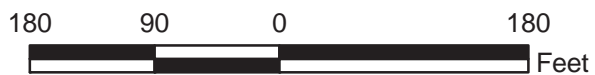
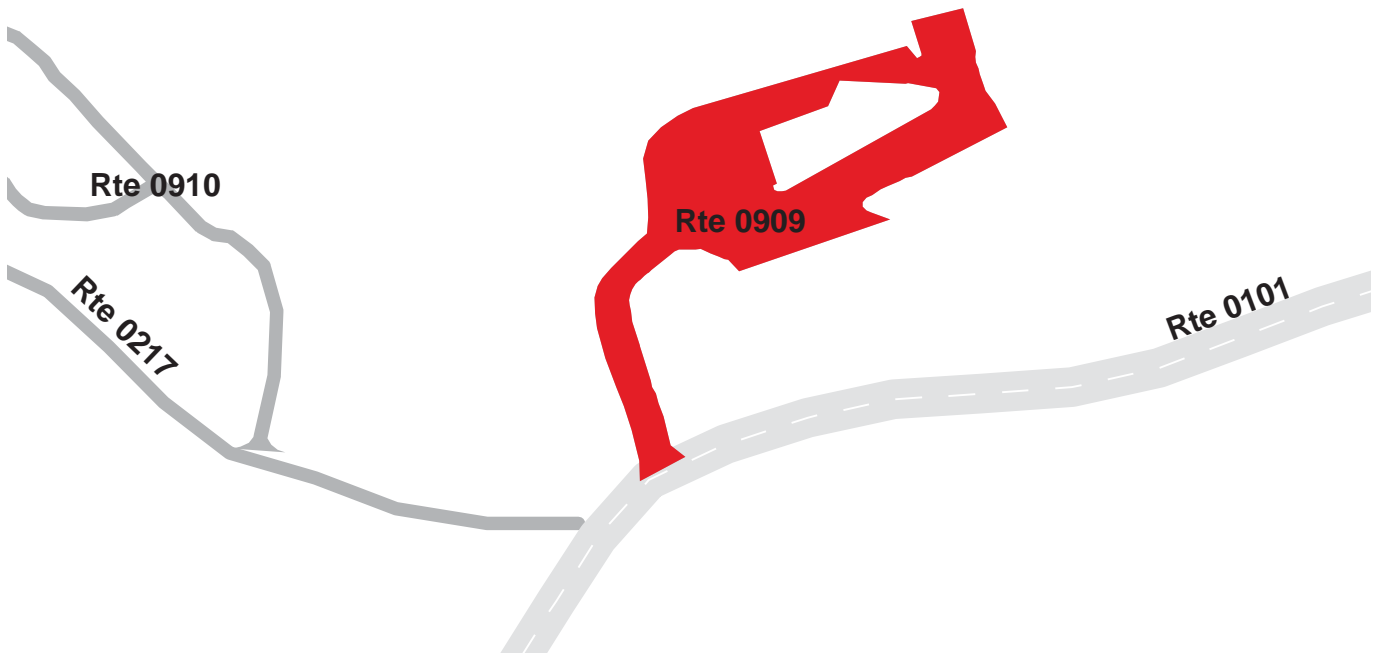
KINGS CANYON NATIONAL PARK

Route 0909

JOHN MUIR LODGE PARKING
ADJACENT TO ROUTE 0101 AT MP 0.22

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0909	PUBLIC	6/6/2007		21,840	0.38	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	4	0	1	CONCRETE CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0910

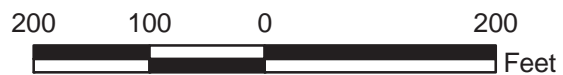
MEADOW CAMP CABINS ROAD

FROM ROUTE 0217 AT MP 0.2

THROUGH CABIN AREA

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0910	PUBLIC	6/6/2007		9,246	0.16	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	2	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

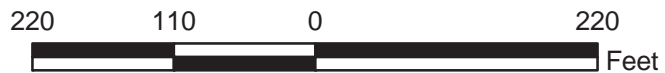
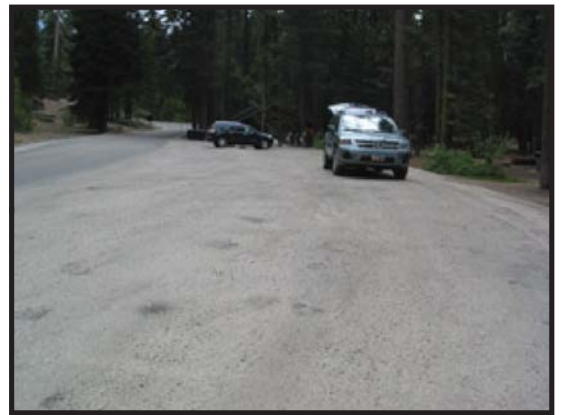
Route 0911

COLUMBINE PICNIC PARKING

ADJACENT TO ROUTE 0212 AT MP 0.24 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0911	PUBLIC	6/6/2007		8,282	0.14	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

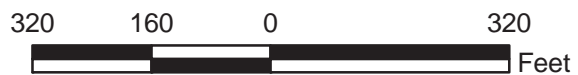
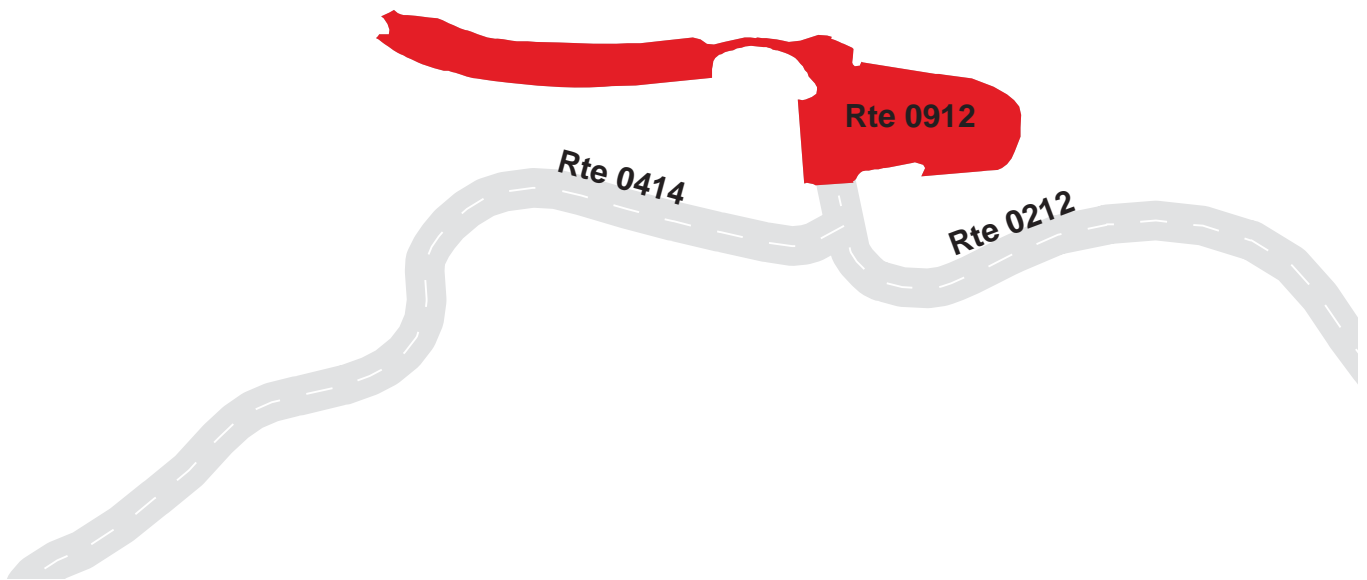
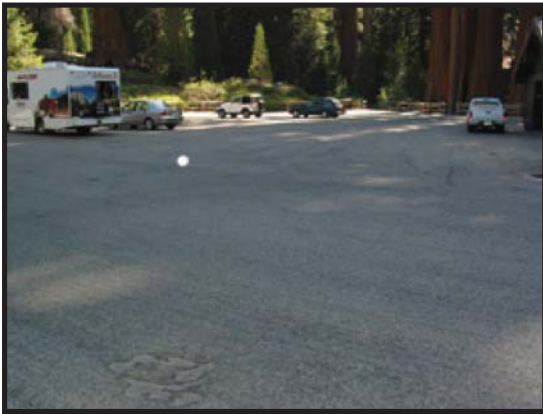
Route 0912

GRANT TREE PARKING

AT END OF ROUTE 0212

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0912	PUBLIC	6/6/2007		54,511	0.94	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	2	1	0	CONCRETE CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0913

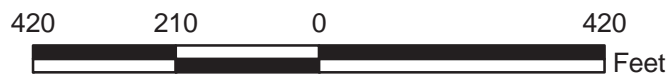
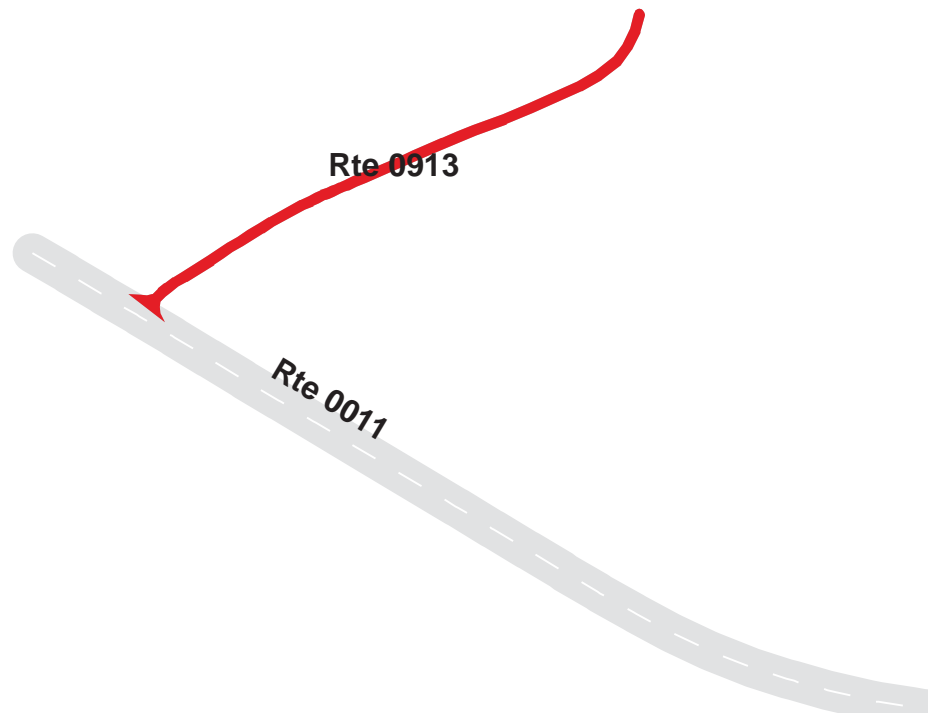
CEDAR GROVE WASTE WATER TREATMENT FACILITY ACCESS

FROM ROUTE 0011 ON LEFT

TO END

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0913	NONPUBLIC	6/5/2007		11,320	0.20	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	2	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0914

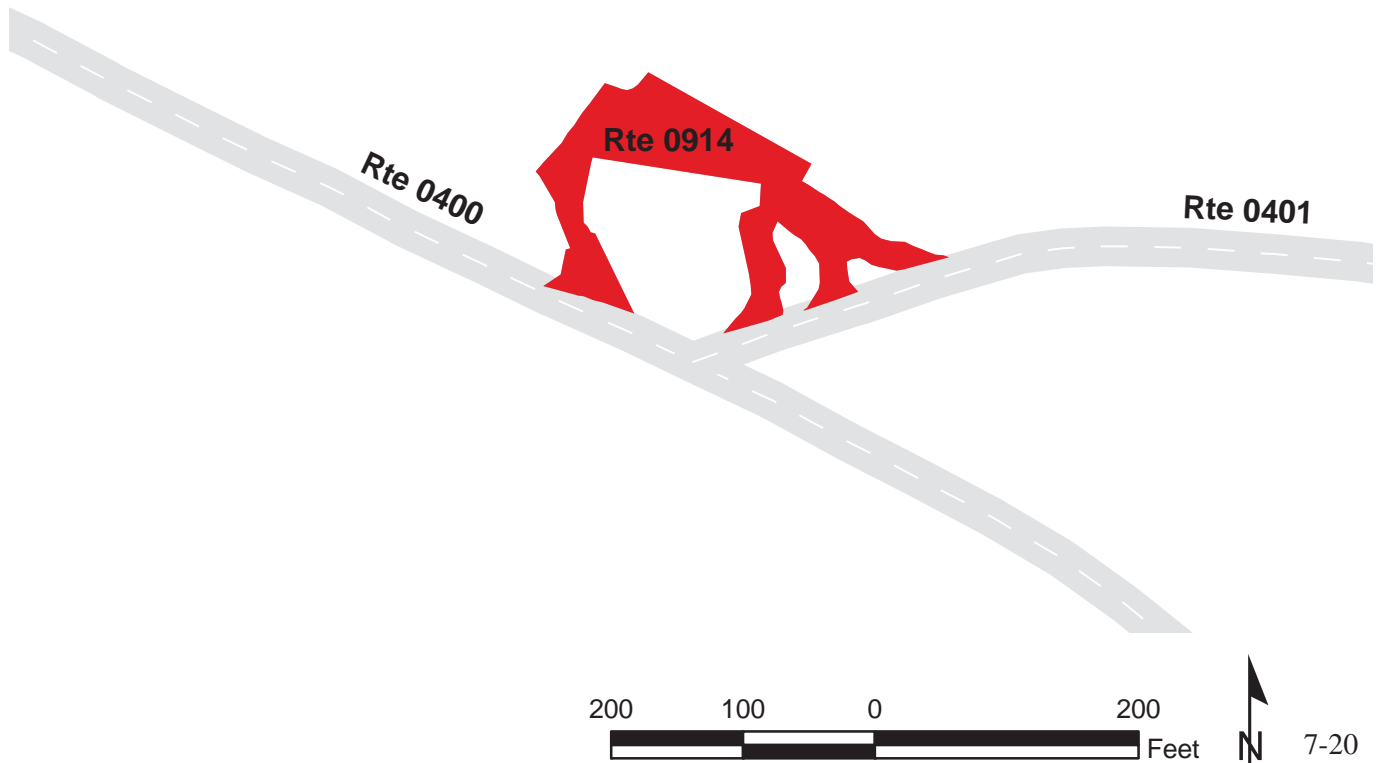
CEDAR GROVE MAINTENANCE AREA

FROM ROUTE 0401 AT MP 0.01

TO ROUTE 0400

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0914	NONPUBLIC	6/5/2007		15,442	0.27	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0916

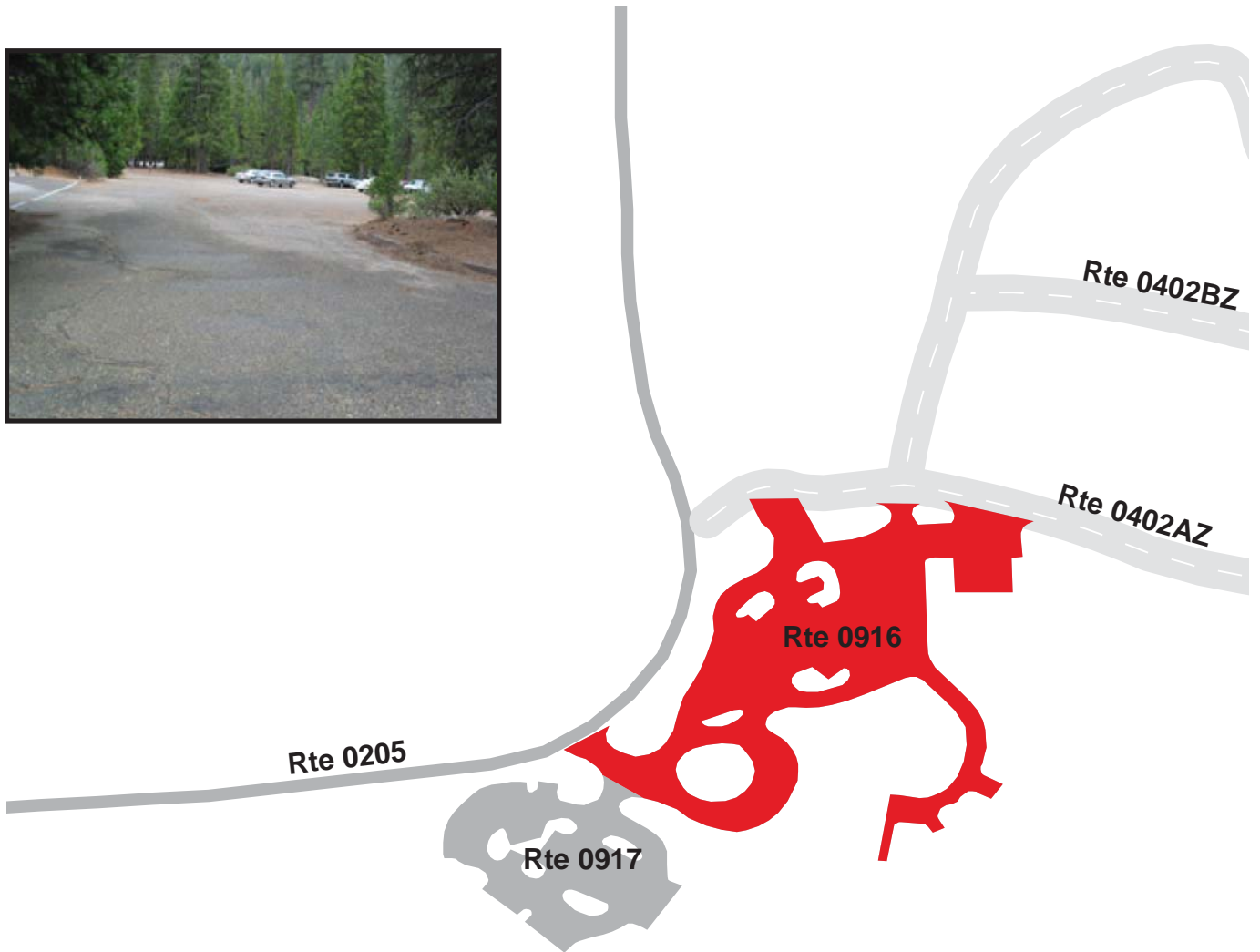
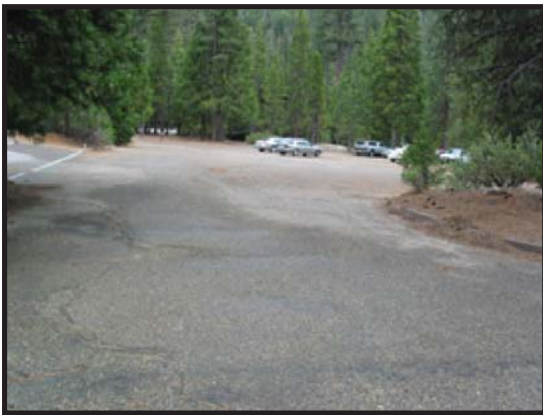
CEDAR GROVE VILLAGE PARKING

FROM ROUTE 0205

TO ROUTE 0402ZZ

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0916	PUBLIC	6/5/2007		60,206	1.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	2	0	2	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

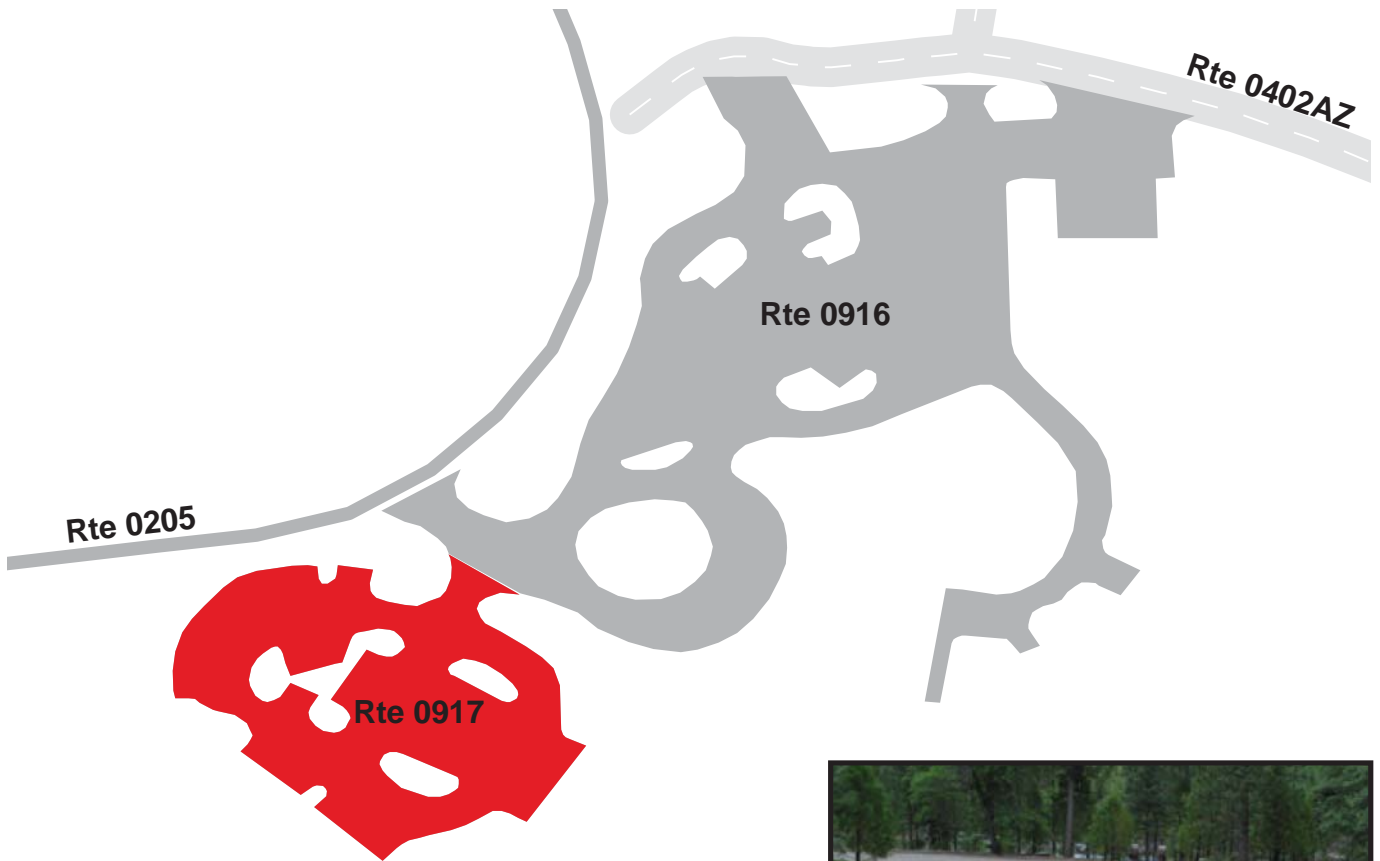
Route 0917

CEDAR GROVE VILLAGE PICNIC PARKING

ADJACENT TO ROUTE 0916

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0917	PUBLIC	6/5/2007		24,253	0.42	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths

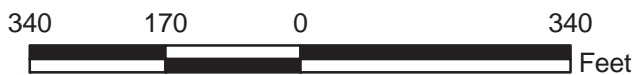
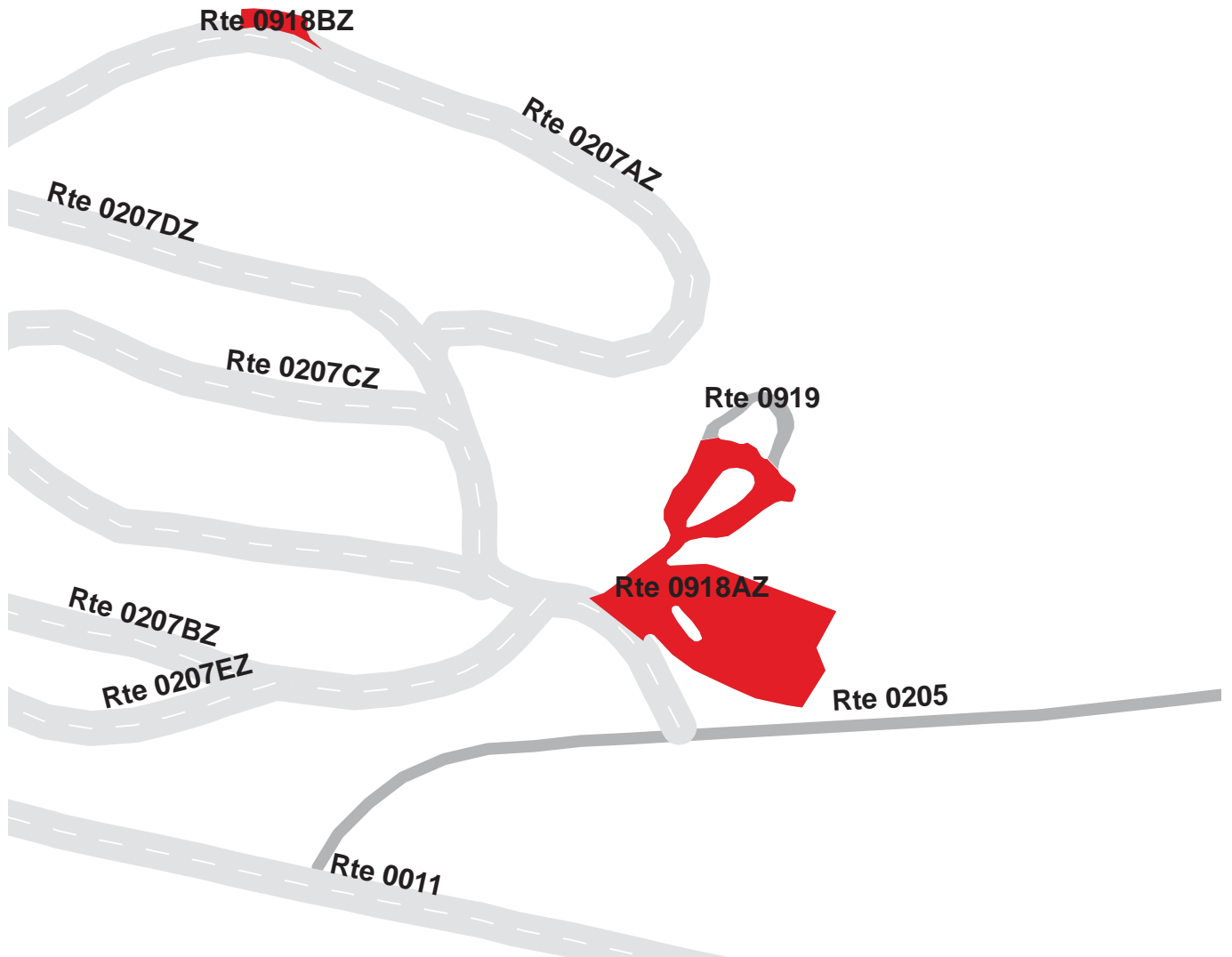


KINGS CANYON NATIONAL PARK
Route 0918ZZ
CEDAR GROVE VISITOR CENTER PARKING AREAS
ADJACENT TO ROUTE 0207ZZ

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0918ZZ	PUBLIC	6/5/2007		45,872	0.79	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	ASPHALT CURB AND GUTTER	NO CURB	SUMMARY/71.65

* Lane miles are based on 11' lane widths

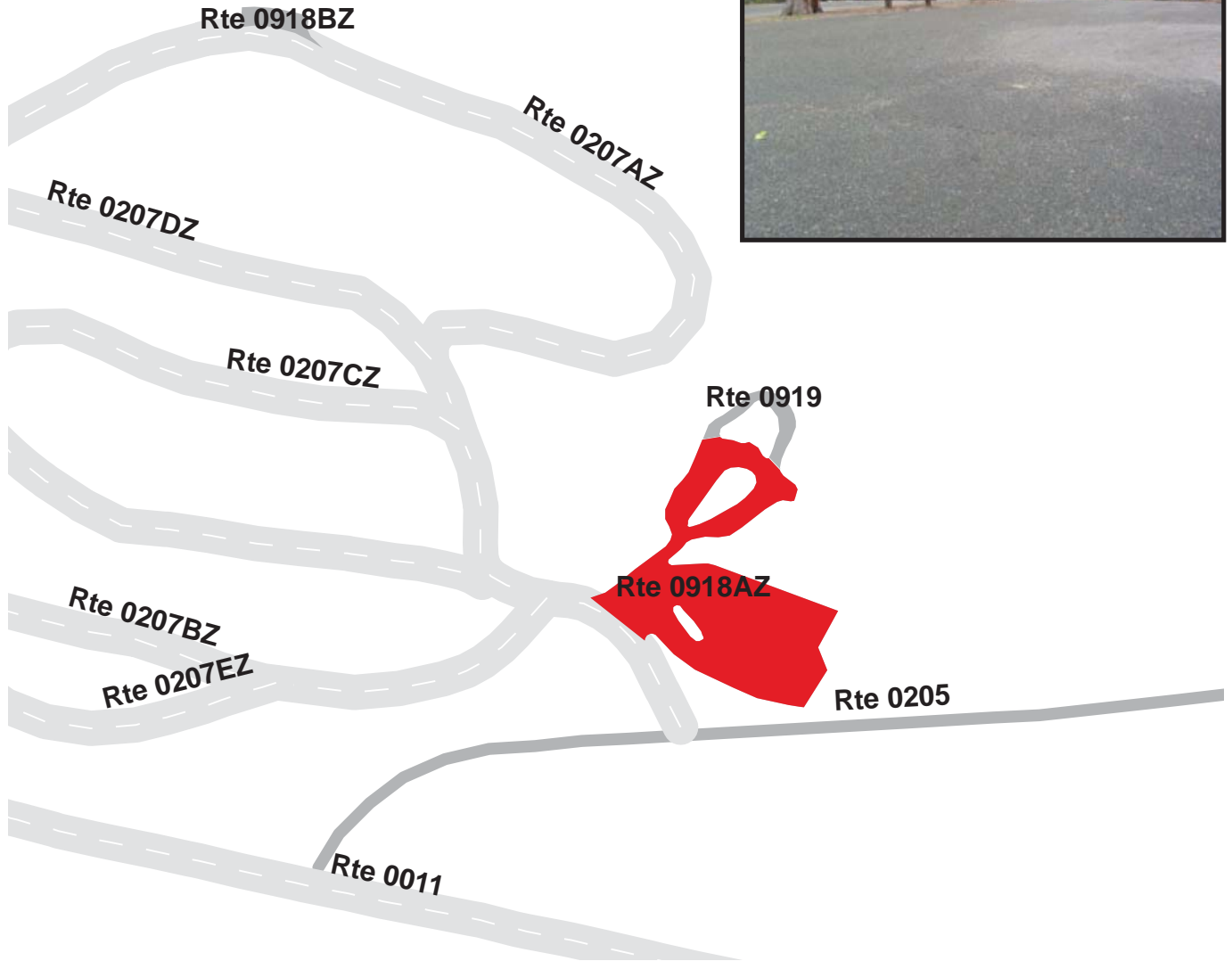


KINGS CANYON NATIONAL PARK
Route 0918AZ
 CEDAR GROVE VISITOR CENTER PARKING AREA A
 ADJACENT TO ROUTE 0207AZ AT MP 0.03 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0918AZ	PUBLIC	6/5/2007		43,686	0.75	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	ASPHALT CURB	FAIR/73

* Lane miles are based on 11' lane widths

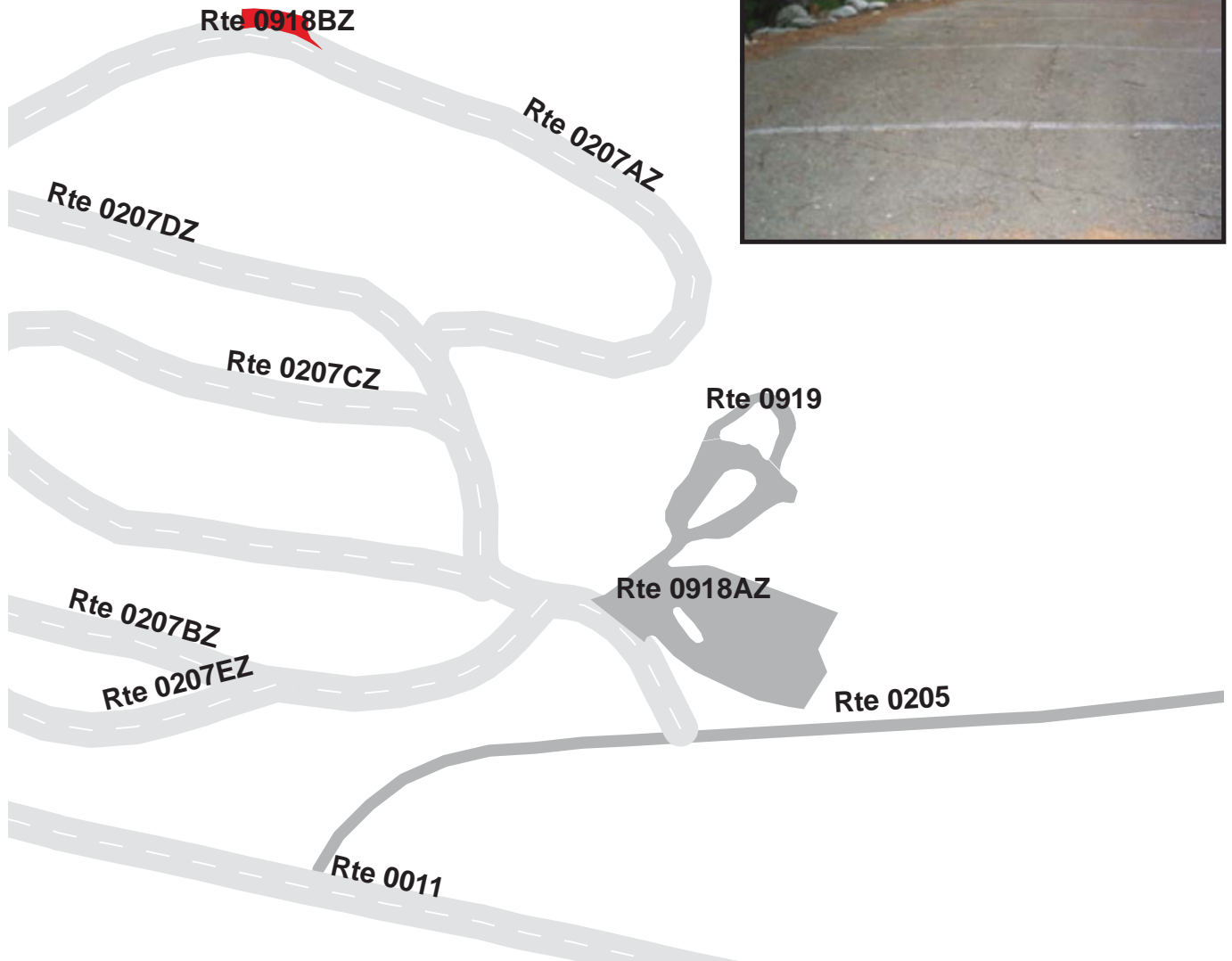
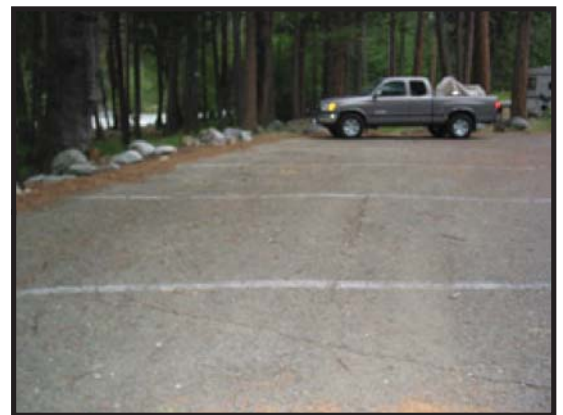


KINGS CANYON NATIONAL PARK
Route 0918BZ
 CEDAR GROVE VISITOR CENTER PARKING AREA B
 ADJACENT TO ROUTE 0207AZ AT MP 0.31 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0918BZ	PUBLIC	6/5/2007		2,186	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



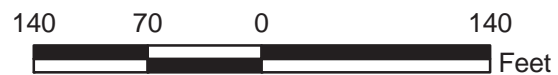
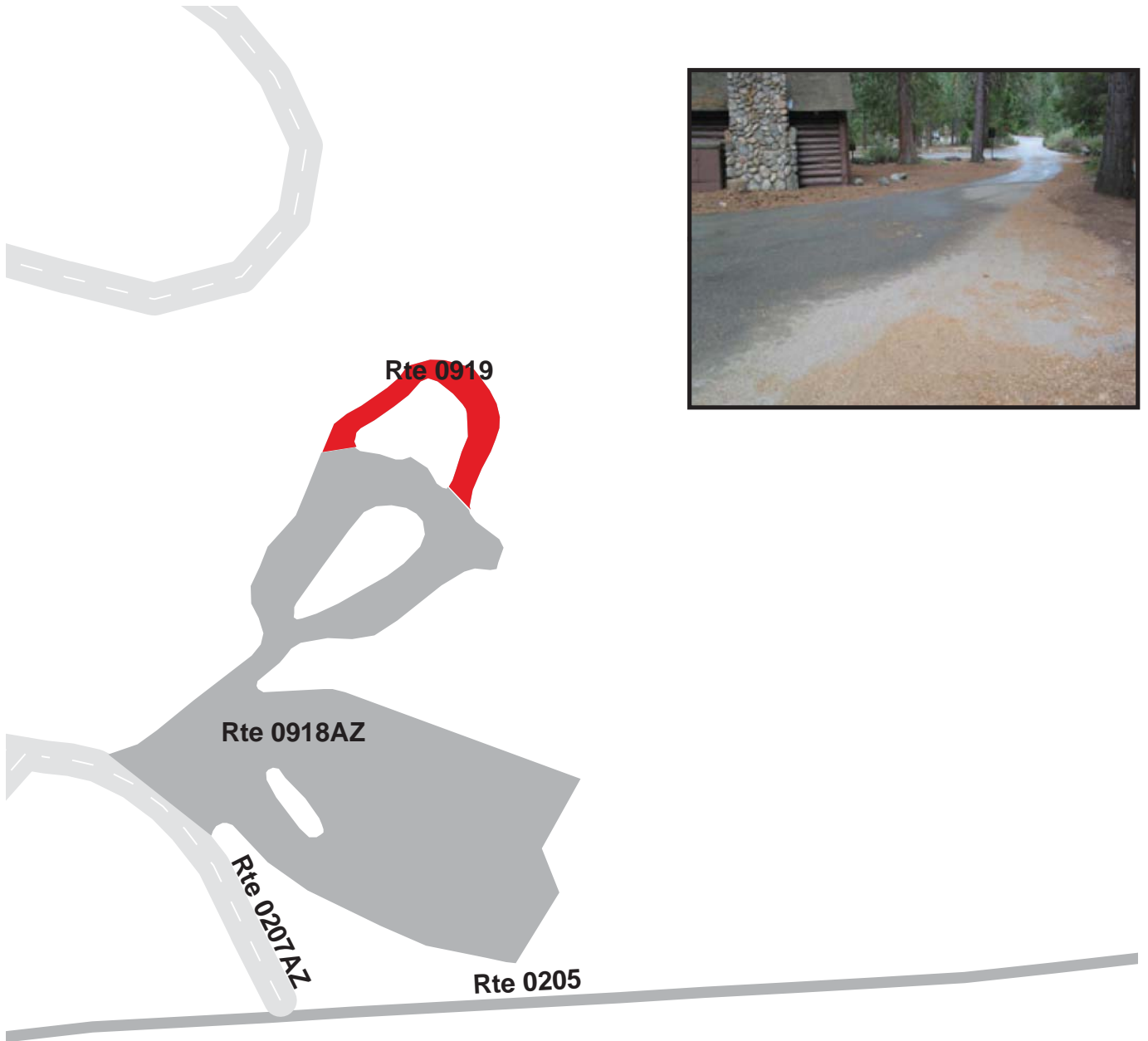
KINGS CANYON NATIONAL PARK

Route 0919

CEDAR GROVE VISITOR CENTER SERVICE LOOP
 ADJACENT TO ROUTE 0918ZZ BEHIND VISITOR CENTER

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0919	NONPUBLIC	6/5/2007		3,078	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

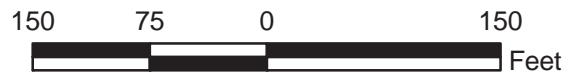
Route 0920

ROUTE 0011 PARKING AT MP 0.81

ADJACENT TO ROUTE 0011 AT MP 0.81 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0920	PUBLIC	6/5/2007		1,899	0.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0921

SHEEP CREEK DUMP STATION

ADJACENT TO ROUTE 0011 AT MP 1.21 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0921	PUBLIC	6/5/2007		4,242	0.07	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

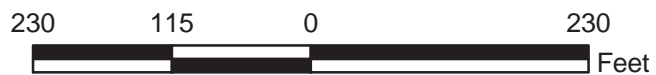
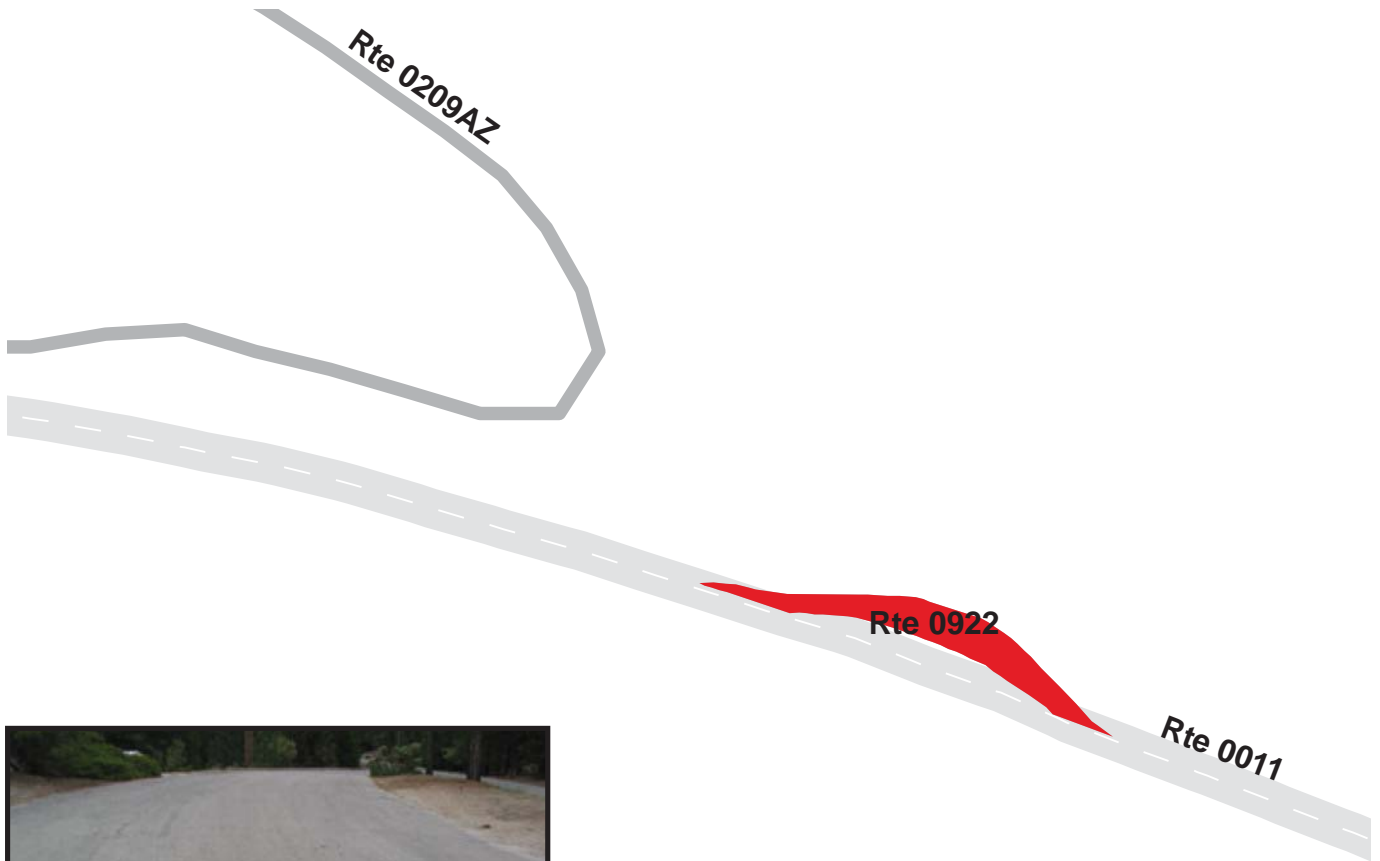
Route 0922

CANYON VIEW PARKING

ADJACENT TO ROUTE 0011 AT MP 2.79 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0922	PUBLIC	6/5/2007		5,983	0.10	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	ASPHALT CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

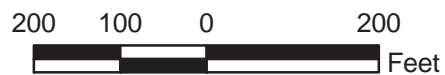
Route 0923

KNAPP'S CABIN PARKING

ADJACENT TO ROUTE 0011 AT MP 3.94 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0923	PUBLIC	6/5/2007		8,570	0.15	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

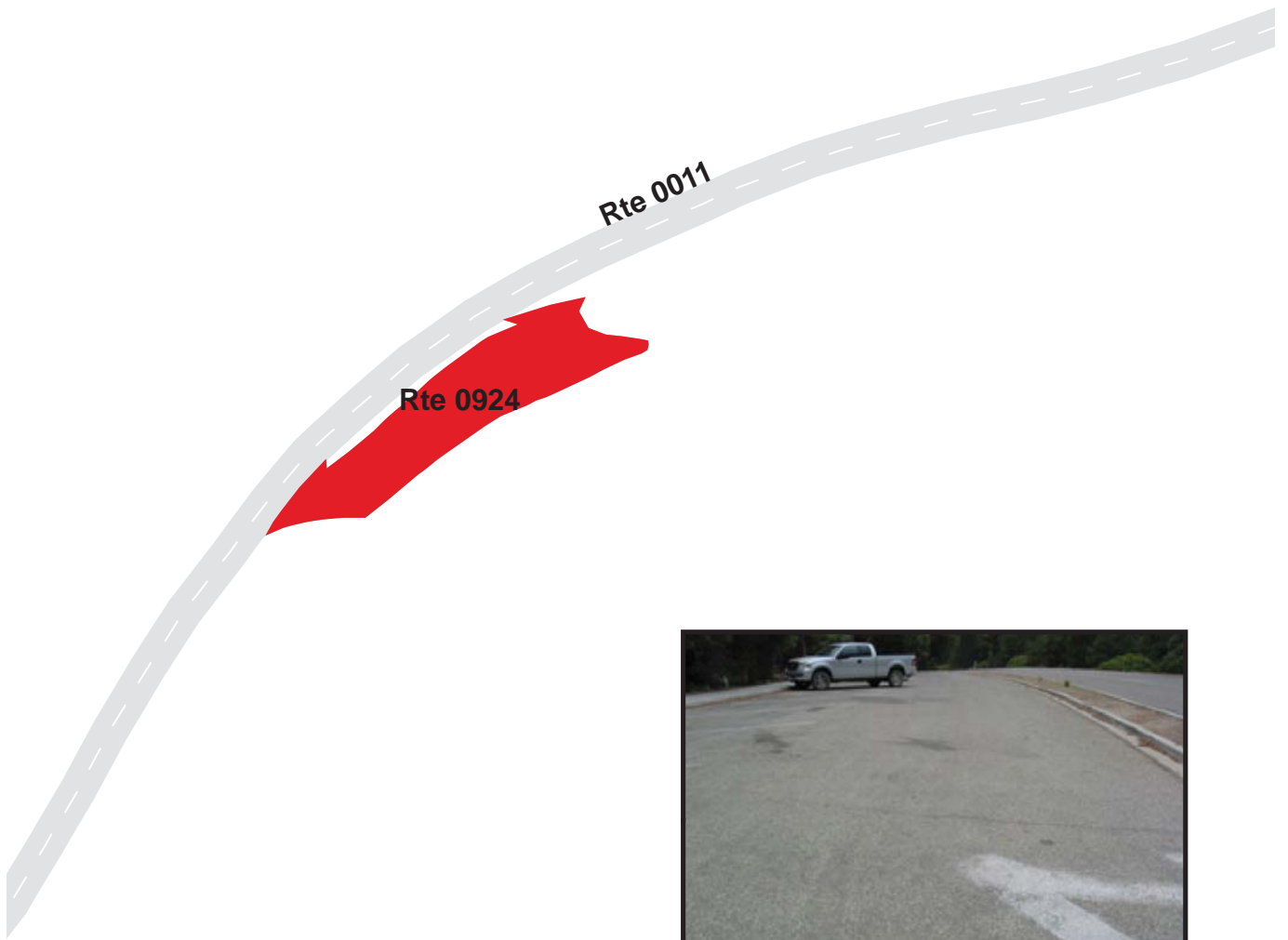
* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK
Route 0924
 ROARING RIVER FALLS PARKING
 ADJACENT TO ROUTE 0011 AT MP 4.80 ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0924	PUBLIC	6/5/2007		13,608	0.23	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



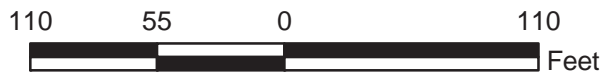
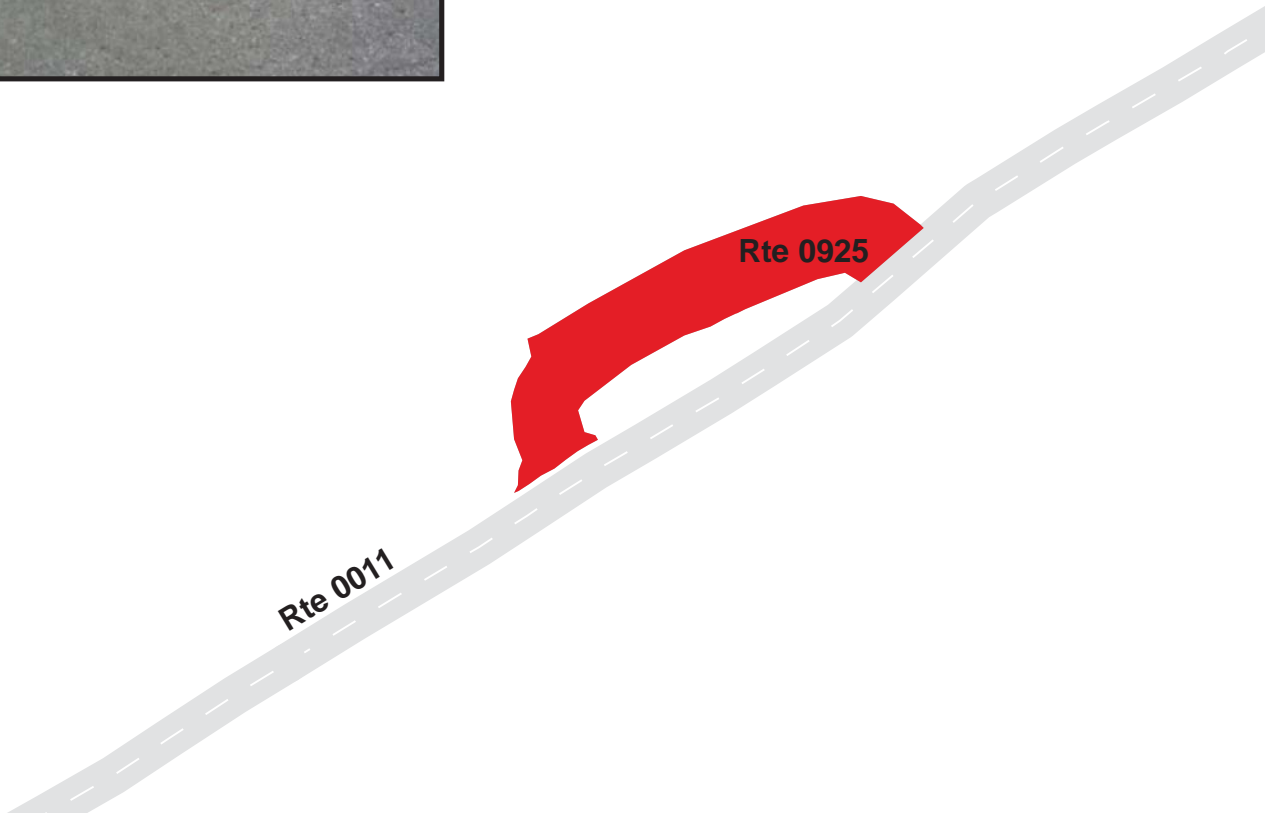
KINGS CANYON NATIONAL PARK

Route 0925

ROUTE 0011 PARKING AT MP 5.02
ADJACENT TO ROUTE 0011 AT MP 5.02 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0925	PUBLIC	6/5/2007		5,691	0.10	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



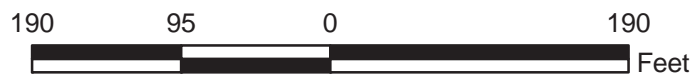
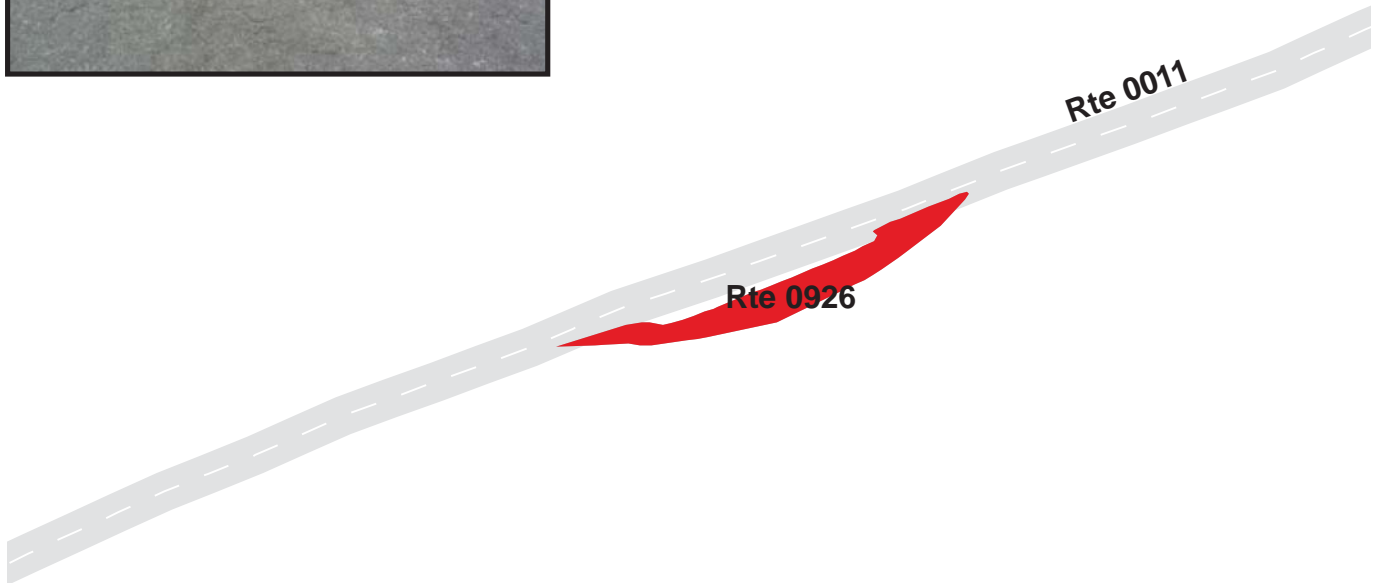
KINGS CANYON NATIONAL PARK

Route 0926

ROUTE 0011 PARKING AT MP 5.42
ADJACENT TO ROUTE 0011 AT MP 5.42 ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0926	PUBLIC	6/5/2007		3,547	0.06	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK
Route 0927
 ZUMWALT MEADOW PARKING
 ADJACENT TO ROUTE 0011 AT MP 6.34 ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0927	PUBLIC	6/5/2007		17,653	0.30	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



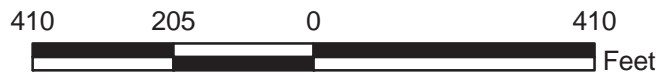
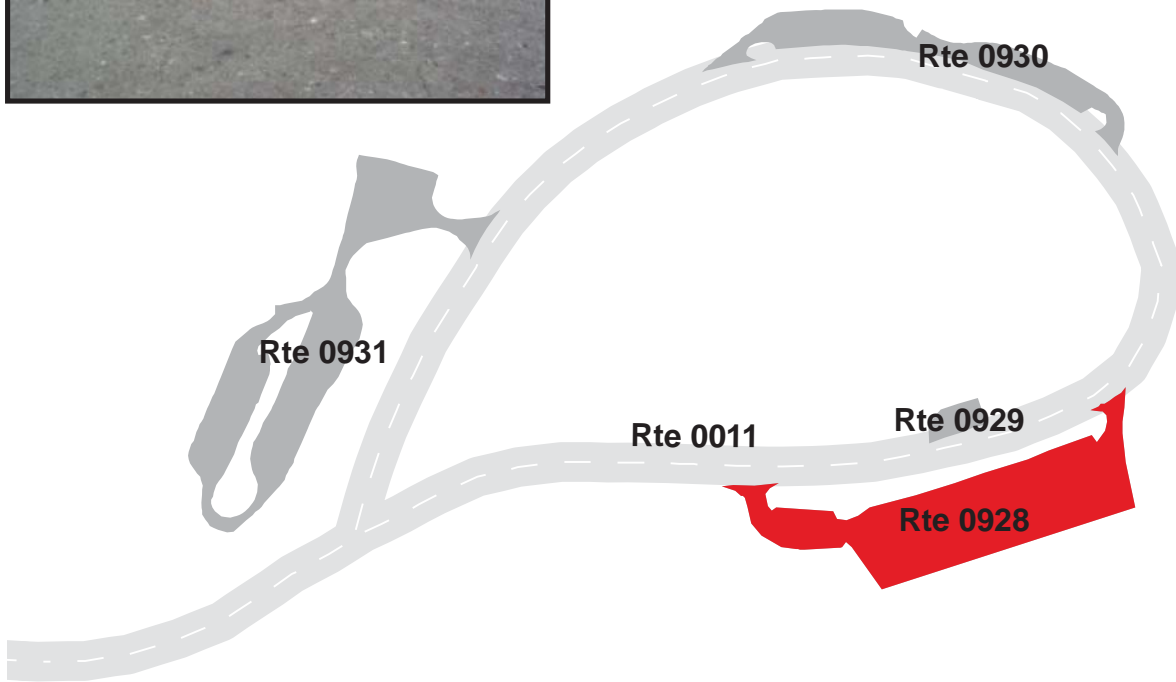
KINGS CANYON NATIONAL PARK

Route 0928

ROAD'S END INFORMATION PARKING
ADJACENT TO ROUTE 0011 AT MP 7.17 ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0928	PUBLIC	6/5/2007		46,034	0.79	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



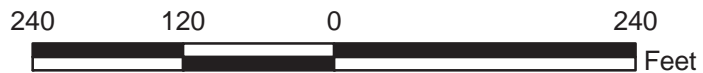
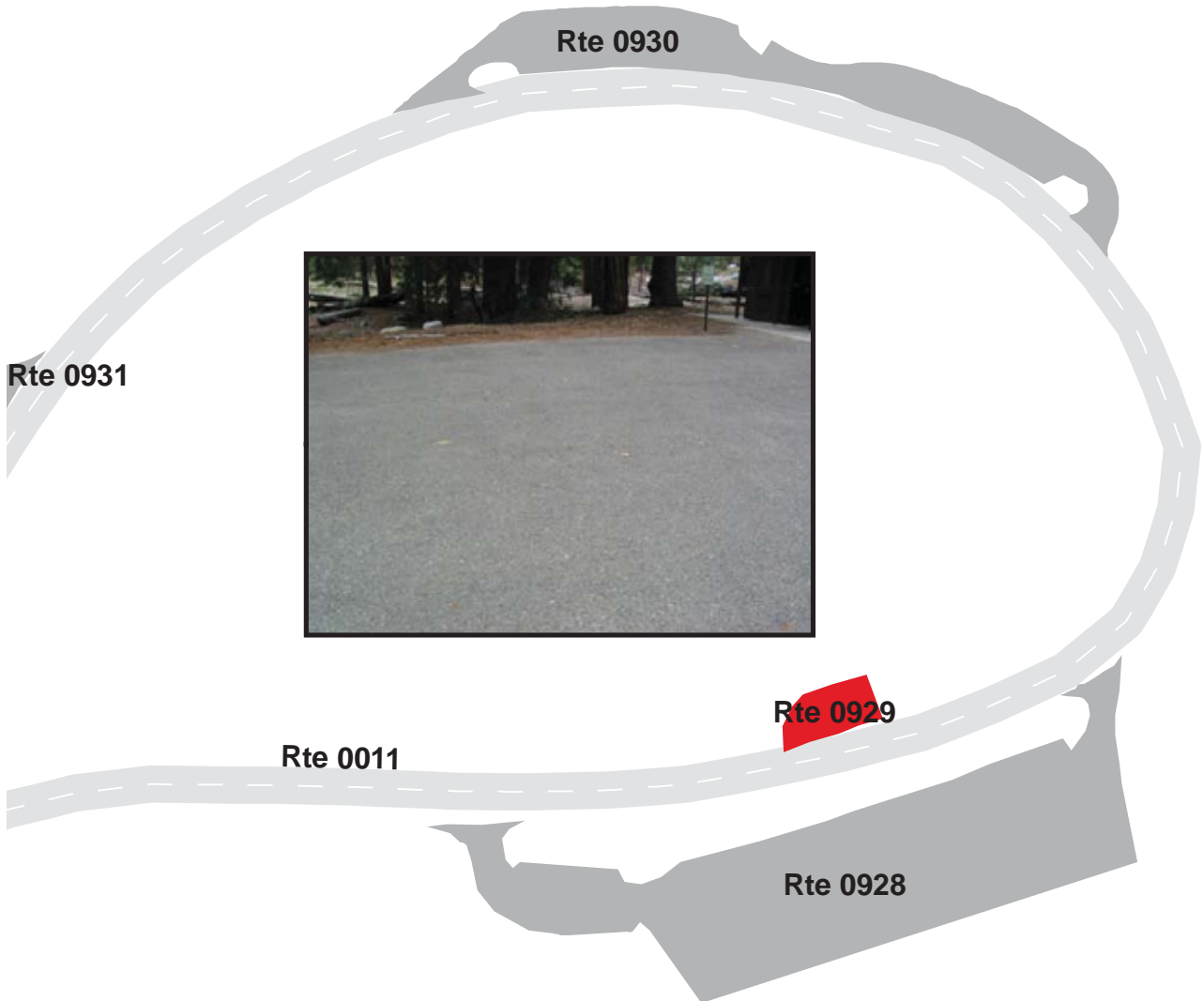
KINGS CANYON NATIONAL PARK

Route 0929

ROAD'S END RESTROOM PARKING
ADJACENT TO ROUTE 0011 AT MP 7.24 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0929	PUBLIC	6/5/2007		2,522	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

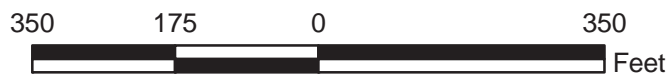
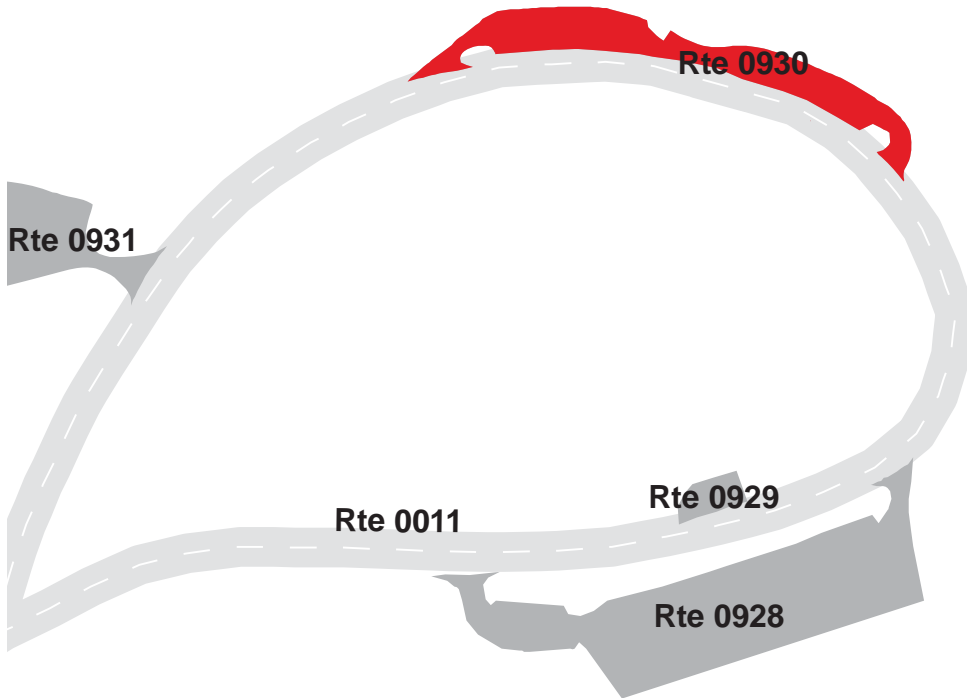
* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK
Route 0930
ROAD'S END COPPER CREEK TRAIL PARKING
ADJACENT TO ROUTE 0011 AT MP 7.33 ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0930	PUBLIC	6/5/2007		20,298	0.35	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



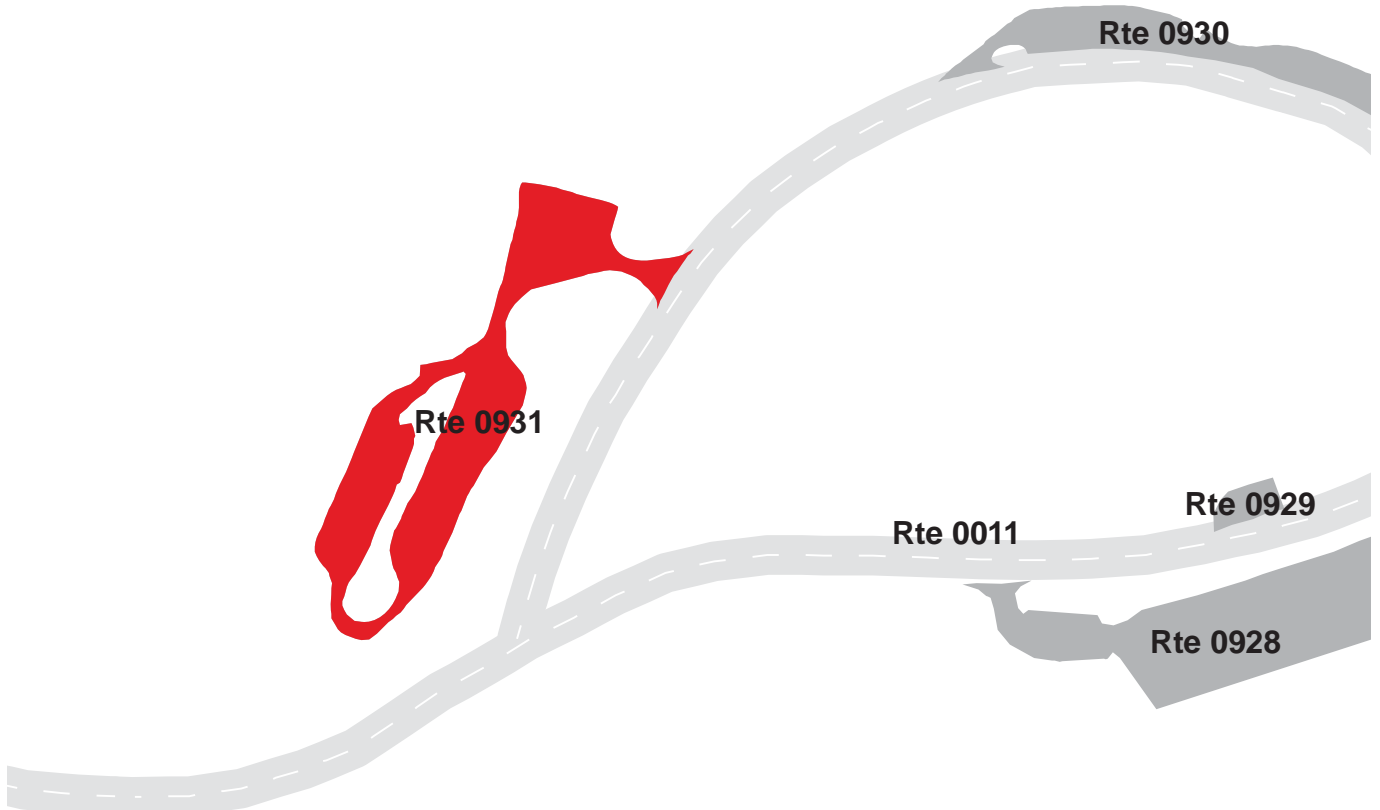
KINGS CANYON NATIONAL PARK

Route 0931

ROAD'S END LONG TERM PARKING
ADJACENT TO ROUTE 0011 AT MP 7.49 ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0931	PUBLIC	6/5/2007		43,704	0.75	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

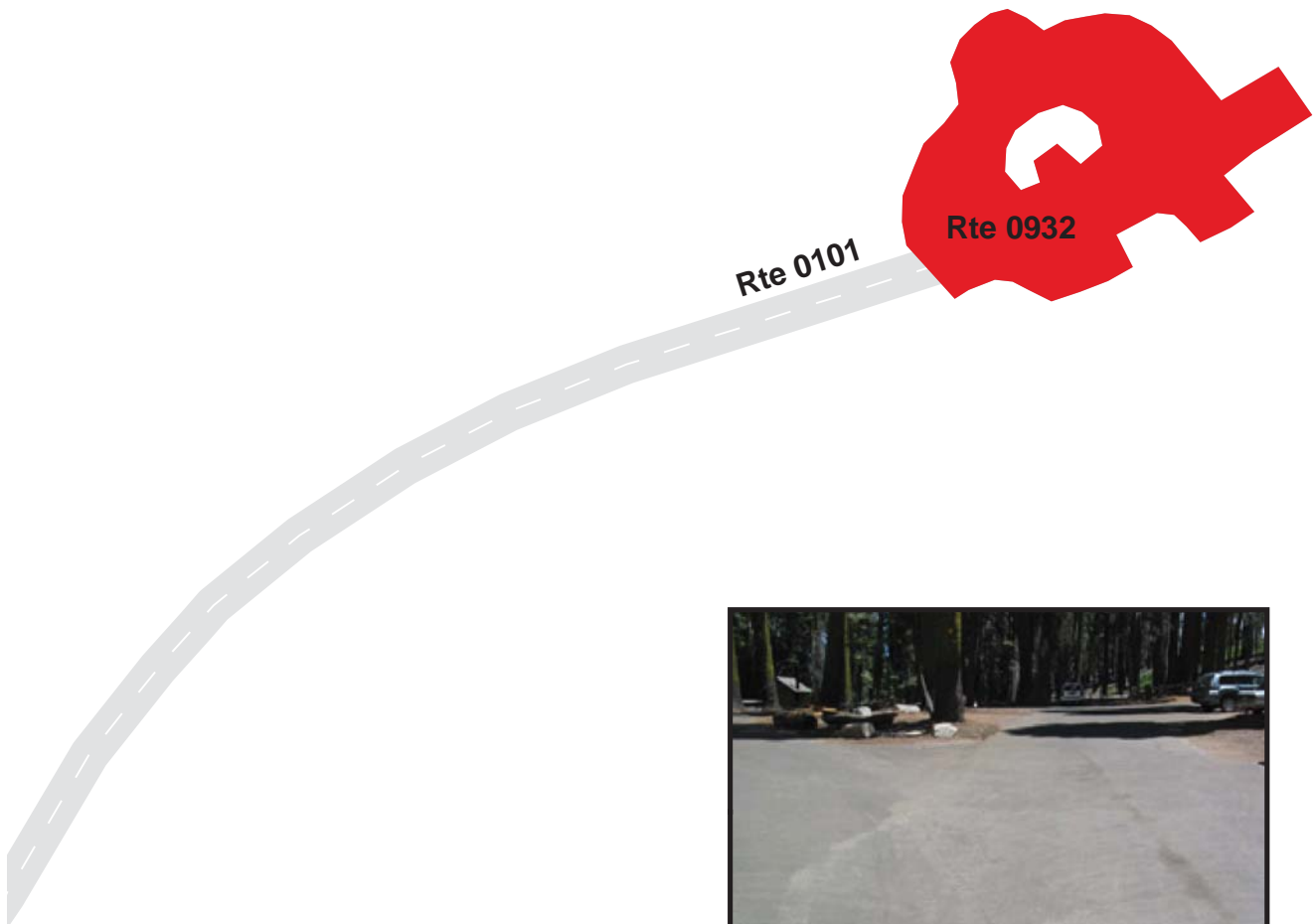
Route 0932

PANORAMIC POINT PARKING

AT END OF ROUTE 0101

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0932	PUBLIC	6/6/2007		6,390	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

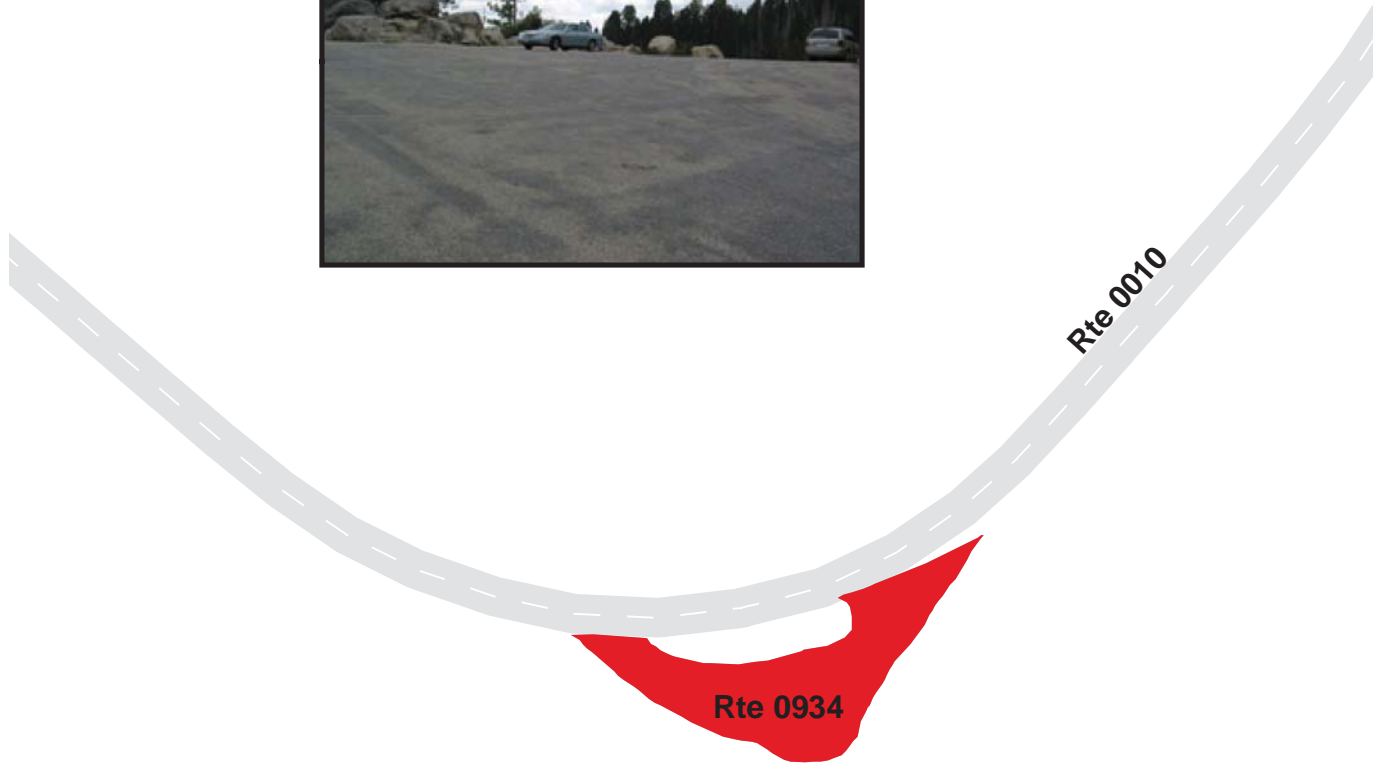
Route 0934

REDWOOD CANYON OVERLOOK PARKING

ADJACENT TO ROUTE 0010 AT MP 10.20 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0934	PUBLIC	6/6/2007		13,650	0.24	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



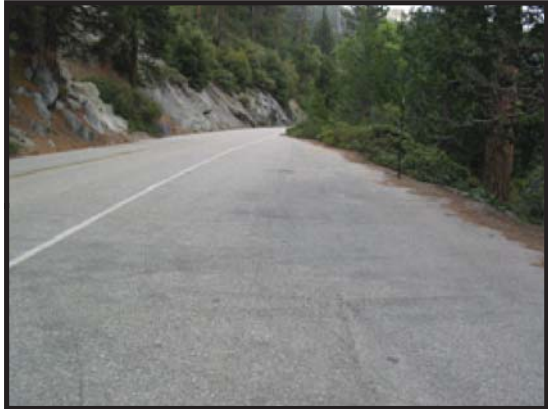
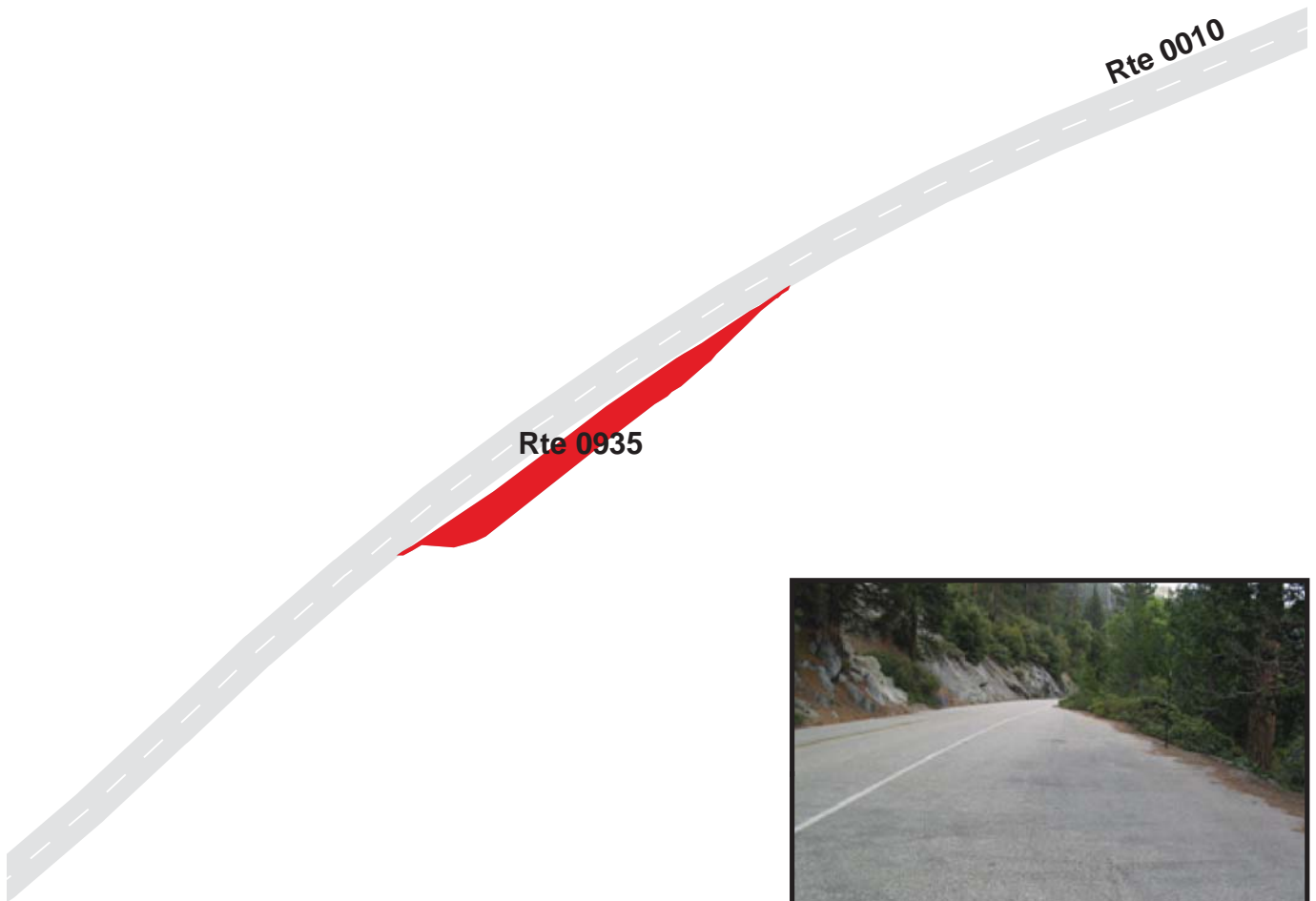
KINGS CANYON NATIONAL PARK

Route 0935

ROUTE 0010 PARKING AT MP 11.72
ADJACENT TO ROUTE 0010 AT MP 11.72 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0935	PUBLIC	6/6/2007		2,183	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	ASPHALT CURB	GOOD/90

* Lane miles are based on 11' lane widths



KINGS CANYON NATIONAL PARK

Route 0936A

SWALE WORK CENTER PARKING A

FROM ROUTE 0414 ON LEFT

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0936A	PUBLIC	6/6/2007		0	0.00	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GPS DATA WAS NOT COLLECTED FOR THIS ROUTE



KINGS CANYON NATIONAL PARK

Route 0936B

SWALE WORK CENTER PARKING B

FROM ROUTE 0414 ON RIGHT

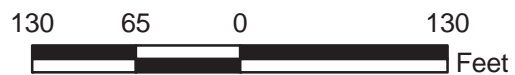
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0936B	PUBLIC	6/6/2007		0	0.00	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GPS DATA WAS NOT COLLECTED FOR THIS ROUTE



KINGS CANYON NATIONAL PARK

Route 0937

ARROWHEAD INTERAGENCY HOTSHOT CREW PARKING

FROM ROUTE 0414

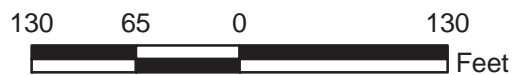
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0937	PUBLIC	6/6/2007		0	0.00	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GPS DATA WAS NOT COLLECTED FOR THIS ROUTE



Kings Canyon National Park



Section 8 **Parkwide / Route Maintenance** **Features Summaries**

KICA: PARKWIDE MAINTENANCE FEATURES SUMMARY

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count below includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

FEATURE	LINEAR FEET	COUNT
BARRIER	2,049	--
BOLLARD	0	--
BRIDGE	--	5
CABLE	0	--
CATTLE GUARD	--	0
CULVERT	--	291
CURB	50,266	--
DROP INLET	--	45
FIRE HYDRANT	--	24
GATE	--	22
GUARD/GUIDE RAIL	1,463	--
GUARD/GUIDE WALL	586	--
INTERSECTION	--	280
LOW WATER CROSSING	0	0
MILE MARKER	--	0
OVERPASS	--	0
OVERHEAD SIGN	--	0
PARK BOUNDARY	--	5
PAVED DITCH	0	--
PULLOUT	--	37
RAILROAD CROSSING	--	0
RETAINING WALL	--	4
SIGN	--	413
STATE BOUNDARY	--	0
TEMPORARY BARRIER	0	--
TRAFFIC LIGHT	--	4
TUNNEL	--	0
TURNOUT	0	--

KICA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0010 GENERALS HIGHWAY	ROUTE 0011 CEDAR GROVE ROAD	ROUTE 0015 GRANT GROVE ROAD	ROUTE 0101 PANORAMIC POINT ROAD	ROUTE 0207ZZ SENTINEL CAMPGROUND ROADS	ROUTE 0208ZZ CANYON VIEW CAMPGROUND ROADS	UNIT
BARRIER	253	1,452	343	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	5	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	129	50	48	4	0	0	EACH
CURB	12,952	370	35,703	100	0	0	LINEAR FEET
DROP INLET	3	0	7	2	0	0	EACH
FIRE HYDRANT	0	0	1	1	0	0	EACH
GATE	3	0	0	1	1	5	EACH
GUARD/GUIDE RAIL	0	1,452	11	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	253	0	333	0	0	0	LINEAR FEET
INTERSECTION	29	40	16	17	31	19	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	2	1	2	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	11	12	5	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	3	0	1	0	0	0	EACH
SIGN	94	71	101	14	14	20	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	2	0	2	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

KICA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0209ZZ MORAINÉ CAMPGROUND ROADS	ROUTE 0212 GRANT TREE ROAD	ROUTE 0216ZZ AZALEA CAMPGROUND ROADS	ROUTE 0400 CEDAR GROVE RESIDENCE ROAD	ROUTE 0401 CEDAR GROVE RESIDENCE LOOP	ROUTE 0402ZZ CEDAR GROVE VILLAGE RESIDENCE LOOP ROADS	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	4	6	7	3	0	4	EACH
CURB	0	612	222	21	0	127	LINEAR FEET
DROP INLET	0	3	0	0	0	1	EACH
FIRE HYDRANT	0	0	0	0	3	3	EACH
GATE	0	0	4	0	0	0	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	25	6	29	8	7	11	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	4	1	2	2	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
SIGN	13	13	29	12	1	4	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
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

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

KICA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0411 GRANT GROVE RESIDENCE EAST LOOP	ROUTE 0414 SWALE WORK CENTER ROAD	ROUTE 0414A SWALE WORK CENTER LOOP A	ROUTE 0415 GRANT GROVE RESIDENCE UPPER LOOP	ROUTE 0417ZZ GRANT GROVE RESIDENCE LOWER LOOP ROADS	ROUTE 0418 GRANT GROVE WATER TOWER ACCESS ROAD	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	7	2	0	0	6	0	EACH
CURB	0	158	0	0	0	0	LINEAR FEET
DROP INLET	0	2	0	1	3	1	EACH
FIRE HYDRANT	0	0	0	0	3	0	EACH
GATE	0	1	0	0	0	1	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	5	10	4	5	15	3	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
SIGN	2	10	0	0	12	3	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
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

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

KICA: STRUCTURE LIST

ROUTE NUMBER	FUNCTIONAL CLASS	MILEPOST START	MILEPOST END	FEATURE	STRUCTURE NUMBER
0011	1	0.211	0.217	BRIDGE	8580-001
0011	1	0.708	0.744	BRIDGE	8580-004
0011	1	4.735	4.756	BRIDGE	8580-003
0011	1	5.179	5.208	BRIDGE	8580-005
0011	1	6.029	6.034	BRIDGE	8580-002

Kings Canyon National Park



Section 9

Park Route Maintenance Features

Road Logs

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GENERALS HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM BORDER OF SEQUOIA NATIONAL PARK AND NATIONAL FOREST
0.000	0.000	PARK BOUNDARY	N/A	
0.000	0.000	INTERSECTION	N/A	ROUTE 0010 (GENERALS HIGHWAY)
0.004	0.015	CURB	LEFT	
0.010	0.010	SIGN	LEFT	GUIDE, BOUNDARY SEQUOIA NATIONAL FOREST
0.014	0.014	SIGN	RIGHT	GUIDE, SEQUOIA NATIONAL PARK
0.028	0.028	INTERSECTION	LEFT	UNPAVED ROUTE
0.053	0.053	CULVERT	N/A	
0.151	0.151	CULVERT	N/A	
0.189	0.189	CULVERT	N/A	
0.230	0.238	RETAINING WALL	RIGHT	
0.283	0.283	CULVERT	N/A	
0.311	0.311	SIGN	LEFT	WARNING, FIRE RESTRICTIONS
0.315	0.315	SIGN	RIGHT	REGULATORY, HELP PREVENT WILDFIRES
0.352	0.352	SIGN	RIGHT	GUIDE, GIANT SEQUOIA NATIONAL MONUMENT SEQUOIA NATIONAL FOREST
0.352	0.352	SIGN	RIGHT	GUIDE, U.S. DEPARTMENT OF AGRICULTURE
0.355	0.355	SIGN	LEFT	GUIDE, LEAVING GIANT SEQUOIA NATIONAL MONUMENT SEQUOIA NATIONAL FOREST
0.355	0.355	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.383	0.383	CULVERT	N/A	
0.518	0.518	CULVERT	N/A	
0.521	0.521	SIGN	RIGHT	GUIDE, STONY CREEK RECREATION AREA SEQUOIA NATIONAL FOREST
0.616	0.616	CULVERT	N/A	
0.620	0.620	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.663	0.663	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.666	0.666	CULVERT	N/A	
0.683	0.683	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
0.826	0.826	SIGN	RIGHT	GUIDE, CAMPING AND CAMPFIRES IN CAMPGROUNDS ONLY
0.836	0.836	CULVERT	N/A	
0.948	0.948	CULVERT	N/A	
0.994	0.994	CULVERT	N/A	
1.041	1.041	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.041	1.041	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GENERALS HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.120	1.120	INTERSECTION	LEFT	PAVED ROUTE (SEQUOIA NATIONAL FOREST STONY CREEK CAMPGROUND)
1.126	1.126	INTERSECTION	RIGHT	SEQUOIA NATIONAL FOREST UPPER STONY CREEK CAMPGROUND AND DAY USE AREA
1.132	1.132	SIGN	LEFT	GUIDE, SEQUOIA NATIONAL FOREST CAMPGROUND STONY CREEK
1.133	1.133	SIGN	RIGHT	GUIDE, UPPER STONY CREEK CAMPGROUND & DAY USE SEQUOIA NATIONAL FOREST
1.133	1.133	SIGN	LEFT	GUIDE, UPPER STONY CREEK CAMPGROUND & DAY USE SEQUOIA NATIONAL FOREST
1.133	1.133	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.133	1.133	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.133	1.133	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.133	1.133	SIGN	RIGHT	GUIDE, SEQUOIA NATIONAL FOREST CAMPGROUND STONY CREEK
1.197	1.197	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
1.197	1.197	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.205	1.205	CULVERT	N/A	
1.233	1.233	CULVERT	N/A	
1.333	1.333	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.395	1.395	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
1.436	1.436	CULVERT	N/A	
1.468	1.468	INTERSECTION	RIGHT	PAVED ROUTE (SEQUOIA NATIONAL FOREST COVE GROUP CAMPGROUND)
1.472	1.472	SIGN	LEFT	GUIDE, COVE GROUP CAMPGROUND SEQUOIA NATIONAL FOREST
1.473	1.473	SIGN	RIGHT	GUIDE, COVE GROUP CAMPGROUND SEQUOIA NATIONAL FOREST
1.540	1.540	CULVERT	N/A	
1.605	1.605	INTERSECTION	LEFT	PAVED ROUTE (SEQUOIA NATIONAL FOREST RESORT STONY CREEK)
1.681	1.681	SIGN	RIGHT	GUIDE, STONY CREEK VILLAGE
1.698	1.698	INTERSECTION	RIGHT	PAVED ROUTE (SEQUOIA NATIONAL FOREST FIR GROUP CAMPGROUND)
1.703	1.703	SIGN	LEFT	GUIDE, FIR GROUP CAMPGROUND SEQUOIA NATIONAL FOREST
1.703	1.705	CURB	RIGHT	
1.705	1.705	SIGN	RIGHT	GUIDE, FIR GROUP CAMPGROUND SEQUOIA NATIONAL FOREST

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GENERALS HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.786	1.786	SIGN	RIGHT	WARNING, SLOW PARKING AREA AHEAD
1.789	1.789	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
1.889	1.889	INTERSECTION	LEFT	UNPAVED ROUTE
1.940	1.940	CULVERT	N/A	
1.979	2.016	PULLOUT	LEFT	
2.009	2.017	RETAINING WALL	RIGHT	
2.024	2.024	CULVERT	N/A	
2.171	2.171	CULVERT	N/A	
2.275	2.275	CULVERT	N/A	
2.324	2.360	PULLOUT	LEFT	
2.329	2.329	SIGN	RIGHT	GUIDE, CAMPING AND CAMPFIRE IN CAMPGROUNDS ONLY
2.423	2.423	CULVERT	N/A	
2.475	2.475	INTERSECTION	RIGHT	UNPAVED ROUTE
2.476	2.476	CULVERT	N/A	
2.516	2.516	CULVERT	N/A	
2.535	2.535	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.562	2.562	SIGN	RIGHT	GUIDE, STONY CREEK RECREATION AREA SEQUOIA NATIONAL FOREST
2.562	2.596	PULLOUT	LEFT	
2.656	2.656	CULVERT	N/A	
2.702	2.745	CURB	LEFT	
2.708	2.708	CULVERT	N/A	
2.787	2.787	SIGN	RIGHT	GUIDE, NATIONAL FOREST ORGANIZATION CAMPS 1/2 MILE
2.841	2.841	CULVERT	N/A	
2.952	2.952	CULVERT	N/A	
3.028	3.028	INTERSECTION	LEFT	UNPAVED ROUTE
3.170	3.170	CULVERT	N/A	
3.271	3.271	CULVERT	N/A	
3.308	3.308	SIGN	LEFT	GUIDE, SEQUOIA NATIONAL FOREST ORGANIZATION CAMP PYTHIAN YOUTH CAMP
3.308	3.308	SIGN	RIGHT	GUIDE, SEQUOIA NATIONAL FOREST ORGANIZATION CAMP PYTHIAN YOUTH CAMP
3.312	3.312	INTERSECTION	LEFT	UNPAVED ROUTE (SEQUOIA NATIONAL FOREST ORGANIZATION CAMP/PYTHIAN YOUTH CAMP)
3.452	3.452	CULVERT	N/A	
3.540	3.540	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GENERALS HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.638	3.638	CULVERT	N/A	
3.834	3.834	CULVERT	N/A	
3.923	3.923	CULVERT	N/A	
3.950	3.950	CULVERT	N/A	
4.008	4.008	CULVERT	N/A	
4.035	4.035	CULVERT	N/A	
4.050	4.050	CULVERT	N/A	
4.126	4.126	CULVERT	N/A	
4.179	4.179	SIGN	RIGHT	GUIDE, SEQUOIA NATIONAL FOREST ORGANIZATION CAMPS SAN JOAQUIN FAR HORIZONS
4.180	4.180	SIGN	LEFT	GUIDE, SEQUOIA NATIONAL FOREST ORGANIZATION CAMPS
4.187	4.187	INTERSECTION	LEFT	PAVED ROUTE (SEQUOIA NATIONAL FOREST ORGANIZATION SAN JOAQUIN FAR HORIZONS)
4.268	4.268	CULVERT	N/A	
4.354	4.354	CULVERT	N/A	
4.540	4.540	CULVERT	N/A	
4.596	4.596	CULVERT	N/A	
4.697	4.697	CULVERT	N/A	
4.796	4.796	SIGN	RIGHT	GUIDE, NATIONAL FOREST ORGANIZATION CAMPS 1/2 MILE
4.806	4.806	CULVERT	N/A	
4.882	4.882	CULVERT	N/A	
4.968	4.968	CULVERT	N/A	
5.005	5.005	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
5.121	5.121	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
5.121	5.121	SIGN	N/A	REGULATORY, ROAD CLOSED
5.121	5.121	GATE	N/A	
5.135	5.135	INTERSECTION	RIGHT	PAVED ROUTE (NF-14S32)
5.160	5.160	SIGN	RIGHT	GUIDE, MONTECITO-SEQUOIA RESORT 1/4 MILE
5.219	5.219	CULVERT	N/A	
5.324	5.324	CULVERT	N/A	
5.363	5.363	SIGN	LEFT	WARNING, LOCKED GATE AHEAD
5.377	5.377	INTERSECTION	LEFT	PAVED ROUTE (SEQUOIA NATIONAL FOREST MONTECITO - SEQUOIA RESORT)
5.467	5.467	CULVERT	N/A	
5.529	5.529	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GENERALS HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
5.552	5.552	CULVERT	N/A	
5.638	5.638	SIGN	RIGHT	GUIDE, MONTECITO-SEQUOIA RESORT 1/4 MILE
5.638	5.638	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
5.650	5.650	CULVERT	N/A	
5.675	5.675	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
5.679	5.706	PULLOUT	LEFT	
5.730	5.730	CULVERT	N/A	
5.752	5.752	CULVERT	N/A	
5.805	5.805	CULVERT	N/A	
5.894	5.894	CULVERT	N/A	
5.956	5.956	CULVERT	N/A	
6.004	6.004	CULVERT	N/A	
6.165	6.165	CULVERT	N/A	
6.217	6.274	CURB	LEFT	
6.220	6.220	CULVERT	N/A	
6.310	6.310	CULVERT	N/A	
6.316	6.316	SIGN	LEFT	GUIDE, BIG MEADOWS HORSE CORRAL
6.316	6.316	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
6.316	6.316	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
6.317	6.317	SIGN	RIGHT	GUIDE, BIG MEADOWS HORSE CORRAL
6.317	6.317	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
6.317	6.317	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
6.322	6.322	INTERSECTION	RIGHT	PAVED ROUTE (BIG MEADOWS HORSE CORRAL)
6.367	6.367	CULVERT	N/A	
6.383	6.419	PULLOUT	LEFT	
6.481	6.549	PULLOUT	LEFT	
6.496	6.496	SIGN	LEFT	GUIDE, BIG BALDY TRAILHEAD
6.497	6.497	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
6.617	6.617	CULVERT	N/A	
6.643	6.665	PULLOUT	LEFT	
6.694	6.694	CULVERT	N/A	
6.814	6.878	CURB	LEFT	
6.820	6.820	CULVERT	N/A	
6.884	6.884	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GENERALS HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
6.976	6.976	CULVERT	N/A	
6.989	7.032	CURB	LEFT	
7.026	7.026	CULVERT	N/A	
7.127	7.127	CULVERT	N/A	
7.247	7.247	CULVERT	N/A	
7.371	7.371	CULVERT	N/A	
7.419	7.453	PULLOUT	LEFT	
7.461	7.515	CURB	LEFT	
7.495	7.495	CULVERT	N/A	
7.656	7.656	CULVERT	N/A	
7.667	7.695	PULLOUT	LEFT	
7.817	7.817	CULVERT	N/A	
7.882	7.882	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
7.927	7.927	CULVERT	N/A	
8.095	8.095	CULVERT	N/A	
8.139	8.139	CULVERT	N/A	
8.225	8.225	CULVERT	N/A	
8.286	8.286	CULVERT	N/A	
8.381	8.381	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
8.396	8.396	CULVERT	N/A	
8.417	8.417	SIGN	RIGHT	GUIDE, KINGS CANYON OVERLOOK
8.440	8.440	SIGN	RIGHT	WARNING, SLOW PARKING AREA AHEAD
8.455	8.455	CULVERT	N/A	
8.496	8.496	INTERSECTION	LEFT	UNPAVED PARKING (BUENA VISTA TRAIL HEAD)
8.505	8.505	SIGN	LEFT	GUIDE, BUENA VISTA TRAILHEAD
8.508	8.508	SIGN	RIGHT	GUIDE, BUENA VISTA TRAILHEAD
8.512	8.512	INTERSECTION	LEFT	UNPAVED PARKING (BUENA VISTA TRAIL HEAD)
8.579	8.579	INTERSECTION	RIGHT	ROUTE 0901 (KINGS CANYON OVERLOOK)
8.615	8.615	INTERSECTION	RIGHT	ROUTE 0901 (KINGS CANYON OVERLOOK)
8.650	8.650	CULVERT	N/A	
8.692	8.692	SIGN	RIGHT	WARNING, SLOW PARKING AREA AHEAD
8.694	8.694	CULVERT	N/A	
8.809	8.809	CULVERT	N/A	
8.863	8.863	INTERSECTION	RIGHT	UNPAVED ROUTE

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GENERALS HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
8.867	8.867	SIGN	RIGHT	GUIDE, KINGS CANYON OVERLOOK
8.872	8.872	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
8.907	8.907	CULVERT	N/A	
8.954	8.954	CULVERT	N/A	
9.013	9.013	CULVERT	N/A	
9.053	9.053	CULVERT	N/A	
9.093	9.093	CULVERT	N/A	
9.165	9.165	CULVERT	N/A	
9.202	9.202	INTERSECTION	LEFT	UNPAVED PARKING
9.251	9.251	INTERSECTION	LEFT	UNPAVED PARKING
9.299	9.299	CULVERT	N/A	
9.381	9.381	CULVERT	N/A	
9.434	9.434	SIGN	RIGHT	GUIDE, TRUCK CROSSING 500 FT AHEAD
9.449	9.449	CULVERT	N/A	
9.517	9.517	CULVERT	N/A	
9.523	9.523	SIGN	RIGHT	GUIDE, QUAIL FLAT HUME LAKE
9.567	9.567	SIGN	N/A	REGULATORY, ROAD CLOSED
9.567	9.567	TRAFFIC LIGHT	N/A	
9.567	9.567	SIGN	N/A	REGULATORY, ROAD CLOSED
9.567	9.567	GATE	N/A	
9.567	9.567	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
9.567	9.567	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
9.567	9.567	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
9.567	9.567	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
9.581	9.581	INTERSECTION	RIGHT	PAVED ROUTE (TO HUME LAKE AND QUAIL FLAT (NF-13S09))
9.591	9.591	INTERSECTION	LEFT	UNPAVED ROUTE (NF-14S75)
9.608	9.608	SIGN	LEFT	GUIDE, REDWOOD CANYON 2 MILES
9.608	9.608	SIGN	RIGHT	GUIDE, REDWOOD CANYON 2 MILES
9.630	9.630	SIGN	RIGHT	GUIDE, QUAIL FLAT HUME LAKE
9.651	9.651	CULVERT	N/A	
9.744	9.744	SIGN	RIGHT	WARNING, TRUCK CROSSING 500 FT AHEAD
9.758	9.758	CULVERT	N/A	
9.897	9.897	CULVERT	N/A	
9.898	9.910	CURB	LEFT	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GENERALS HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
9.938	9.957	CURB	LEFT	
9.943	9.943	CULVERT	N/A	
9.992	10.006	CURB	LEFT	
10.000	10.000	CULVERT	N/A	
10.039	10.052	PULLOUT	LEFT	
10.094	10.094	CULVERT	N/A	
10.142	10.150	GUARD/GUIDE WALL	LEFT	
10.155	10.165	GUARD/GUIDE WALL	LEFT	
10.204	10.204	INTERSECTION	LEFT	ROUTE 0934 (REDWOOD CANYON OVERLOOK PARKING)
10.235	10.235	INTERSECTION	LEFT	ROUTE 0934 (REDWOOD CANYON OVERLOOK PARKING)
10.240	10.270	GUARD/GUIDE WALL	LEFT	
10.290	10.290	CULVERT	N/A	
10.342	10.342	CULVERT	N/A	
10.382	10.425	CURB	LEFT	
10.413	10.413	CULVERT	N/A	
10.446	10.449	CURB	LEFT	
10.462	10.462	CULVERT	N/A	
10.475	10.475	PARK BOUNDARY	N/A	
10.476	10.476	SIGN	LEFT	GUIDE, SEQUOIA NATIONAL FOREST
10.477	10.477	SIGN	RIGHT	GUIDE, KINGS CANYON NATIONAL PARK
10.492	10.521	CURB	LEFT	
10.555	10.555	CULVERT	N/A	
10.576	10.576	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.637	10.637	CULVERT	N/A	
10.696	10.696	CULVERT	N/A	
10.842	10.842	CULVERT	N/A	
10.954	10.954	CULVERT	N/A	
11.068	11.068	CULVERT	N/A	
11.094	11.129	CURB	LEFT	
11.120	11.120	CULVERT	N/A	
11.162	11.174	CURB	LEFT	
11.174	11.174	CULVERT	N/A	
11.275	11.275	CULVERT	N/A	
11.320	11.320	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GENERALS HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
11.323	11.337	CURB	LEFT	
11.338	11.346	CURB	LEFT	
11.395	11.408	CURB	LEFT	
11.406	11.406	CULVERT	N/A	
11.485	11.521	CURB	LEFT	
11.514	11.514	CULVERT	N/A	
11.523	11.540	CURB	LEFT	
11.544	11.544	CULVERT	N/A	
11.608	11.608	CULVERT	N/A	
11.634	11.678	CURB	LEFT	
11.699	11.699	CULVERT	N/A	
11.718	11.718	INTERSECTION	LEFT	ROUTE 0935 (ROUTE 0010 PARKING AT MP 11.72)
11.756	11.756	CULVERT	N/A	
11.763	11.835	CURB	LEFT	
11.807	11.935	CURB	RIGHT	
11.843	11.863	CURB	LEFT	
11.919	11.965	CURB	LEFT	
11.973	11.973	CULVERT	N/A	
11.981	12.027	CURB	LEFT	
12.003	12.018	CURB	RIGHT	
12.020	12.020	CULVERT	N/A	
12.041	12.046	CURB	LEFT	
12.056	12.138	CURB	RIGHT	
12.101	12.138	CURB	RIGHT	
12.111	12.181	CURB	LEFT	
12.169	12.169	CULVERT	N/A	
12.184	12.218	CURB	LEFT	
12.189	12.287	CURB	RIGHT	
12.241	12.404	CURB	LEFT	
12.288	12.310	CURB	RIGHT	
12.289	12.289	CULVERT	N/A	
12.360	12.370	RETAINING WALL	RIGHT	
12.393	12.487	CURB	RIGHT	
12.393	12.393	DROP INLET	RIGHT	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GENERALS HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
12.442	12.477	CURB	LEFT	
12.491	12.491	CULVERT	N/A	
12.519	12.850	CURB	RIGHT	
12.612	12.612	DROP INLET	RIGHT	
12.646	12.685	CURB	LEFT	
12.686	12.793	CURB	LEFT	
12.688	12.688	DROP INLET	RIGHT	
12.778	12.778	SIGN	RIGHT	GUIDE, GENERALS HIGHWAY
12.793	12.793	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
12.860	12.961	CURB	LEFT	
12.898	12.898	CULVERT	N/A	
12.961	13.001	CURB	RIGHT	
12.962	12.962	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
12.962	13.005	CURB	LEFT	
13.006	13.049	CURB	LEFT	
13.017	13.048	CURB	RIGHT	
13.019	13.019	SIGN	RIGHT	GUIDE, FRESNO 180 KINGS CANYON GRANT GROVE CEDAR GROVE
13.050	13.084	CURB	LEFT	
13.056	13.056	CULVERT	N/A	
13.062	13.062	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
13.063	13.085	CURB	RIGHT	
13.085	13.121	CURB	LEFT	
13.106	13.106	CULVERT	N/A	
13.120	13.120	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
13.120	13.141	CURB	RIGHT	
13.122	13.136	CURB	LEFT	
13.138	13.138	CULVERT	N/A	
13.142	13.166	CURB	RIGHT	
13.174	13.197	PULLOUT	LEFT	
13.175	13.175	TRAFFIC LIGHT	N/A	
13.175	13.175	GATE	N/A	VERTICAL BARS BETWEEN HORIZONTAL BARS
13.175	13.175	SIGN	N/A	REGULATORY, ROAD CLOSED
13.176	13.176	SIGN	RIGHT	WARNING, YIELD TO WILDLIFE

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GENERALS HIGHWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
13.192	13.192	SIGN	RIGHT	GUIDE, FRESNO 180 KINGS CANYON GRANT GROVE CEDAR GROVE
13.194	13.209	CURB	RIGHT	
13.198	13.198	SIGN	RIGHT	GUIDE, ROADS NOT PLOWED AFTER 4:30 PM OR DURING STORMS ROAD TO SEQUOIA OPEN
13.198	13.210	CURB	LEFT	
13.207	13.207	SIGN	RIGHT	REGULATORY, STOP
13.207	13.207	SIGN	RIGHT	WARNING, UNABLE TO READ FROM VIDEO
13.210	13.210	INTERSECTION	LEFT	ROUTE 0015 (GRANT GROVE ROAD)
13.210	13.210	INTERSECTION	RIGHT	ROUTE 0015 (GRANT GROVE ROAD)
13.210	13.210	ROUTE END	N/A	TO ROUTE 0015

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM WEST PARK BOUNDARY
0.000	0.000	INTERSECTION	N/A	STATE HIGHWAY 180 (KINGS CANYON ROAD)
0.000	0.000	PARK BOUNDARY	N/A	
0.004	0.004	SIGN	RIGHT	GUIDE, CALIFORNIA 180
0.004	0.004	SIGN	RIGHT	GUIDE, SEQUOIA NATIONAL FOREST
0.004	0.004	SIGN	RIGHT	GUIDE, US DEPARTMENT OF AGRICULTURE
0.013	0.013	SIGN	RIGHT	GUIDE, CAMPING IN DESIGNATED CAMPGROUNDS ONLY
0.023	0.023	INTERSECTION	LEFT	ROUTE 0913 (CEDAR GROVE WASTE WATER TREATMENT FACILITY ACCESS)
0.030	0.030	CULVERT	N/A	
0.060	0.060	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.089	0.089	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.097	0.097	SIGN	RIGHT	GUIDE, KINGS CANYON NATIONAL PARK
0.112	0.112	CULVERT	N/A	
0.126	0.126	SIGN	RIGHT	GUIDE, DANGER BOATING OR RAFTING PROHIBITED
0.142	0.142	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.205	0.205	SIGN	RIGHT	GUIDE, LEWIS CREEK
0.207	0.221	GUARD/GUIDE RAIL	RIGHT	
0.207	0.221	GUARD/GUIDE RAIL	LEFT	
0.207	0.221	CURB	RIGHT	
0.211	0.217	BRIDGE	N/A	8580-001 (LEWIS CREEK BRIDGE)
0.225	0.225	SIGN	RIGHT	GUIDE, LEWIS CREEK
0.226	0.226	INTERSECTION	LEFT	ROUTE 0408 (LEWIS CREEK RESIDENCE ROAD)
0.286	0.286	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.296	0.296	CULVERT	N/A	
0.354	0.354	CULVERT	N/A	
0.359	0.359	SIGN	RIGHT	GUIDE, 300 FT.
0.410	0.410	INTERSECTION	RIGHT	UNPAVED PARKING
0.417	0.417	CULVERT	N/A	
0.431	0.431	SIGN	RIGHT	GUIDE, CAUTION ACTIVE BEAR AREA PROPER FOOD STORAGE IS REQUIRED.
0.481	0.481	SIGN	RIGHT	GUIDE, 300 FT.
0.527	0.527	CULVERT	N/A	
0.562	0.562	SIGN	RIGHT	GUIDE, PACK STATION RENTAL STOCK
0.574	0.574	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.630	0.702	PULLOUT	RIGHT	
0.699	0.699	INTERSECTION	LEFT	ROUTE 0205 (CEDAR GROVE NORTH SIDE ROAD)
0.701	0.701	SIGN	RIGHT	GUIDE, SOUTH FORK KINGS RIVER
0.702	0.749	GUARD/GUIDE RAIL	RIGHT	
0.708	0.752	GUARD/GUIDE RAIL	LEFT	
0.708	0.744	BRIDGE	N/A	8580-004 (LOWER CROSSING SOUTH FORK KINGS RIVER)
0.709	0.709	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.753	0.753	SIGN	RIGHT	GUIDE, SOUTH FORK KINGS RIVER
0.798	0.798	INTERSECTION	RIGHT	UNPAVED ROUTE
0.801	0.801	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
0.801	0.801	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.808	0.808	INTERSECTION	LEFT	ROUTE 0920 (ROUTE 0011 PARKING AT MP 0.81)
0.853	0.853	INTERSECTION	LEFT	ROUTE 0920 (ROUTE 0011 PARKING AT MP 0.81)
0.926	0.926	CULVERT	N/A	
0.973	1.020	PULLOUT	LEFT	
0.998	0.998	CULVERT	N/A	
1.078	1.078	CULVERT	N/A	
1.214	1.214	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.214	1.214	INTERSECTION	LEFT	ROUTE 0921 (SHEEP CREEK DUMP STATION)
1.221	1.221	SIGN	LEFT	REGULATORY, DO NOT ENTER
1.244	1.244	INTERSECTION	LEFT	ROUTE 0921 (SHEEP CREEK DUMP STATION)
1.249	1.249	SIGN	RIGHT	GUIDE, SHEEP CREEK
1.250	1.250	CULVERT	N/A	
1.267	1.267	SIGN	RIGHT	GUIDE, 300 FT
1.281	1.281	INTERSECTION	LEFT	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
1.319	1.319	SIGN	RIGHT	GUIDE, SHEEP CREEK
1.353	1.353	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.434	1.434	CULVERT	N/A	
1.444	1.494	PULLOUT	LEFT	
1.457	1.457	CULVERT	N/A	
1.530	1.530	CULVERT	N/A	
1.592	1.592	CULVERT	N/A	
1.681	1.681	CULVERT	N/A	
1.695	1.695	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.781	1.781	SIGN	RIGHT	GUIDE, CEDAR GROVE VILLAGE WILDERNESS PERMITS
1.784	1.784	INTERSECTION	LEFT	ROUTE 0205 (CEDAR GROVE NORTH SIDE ROAD)
1.800	1.886	PULLOUT	LEFT	
1.818	1.818	SIGN	RIGHT	GUIDE, CEDAR GROVE
1.866	1.866	SIGN	RIGHT	GUIDE, 300 FT.
1.883	1.883	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.887	1.887	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.894	1.894	CULVERT	N/A	
1.927	1.927	SIGN	RIGHT	GUIDE, DON CECIL TRAIL
1.969	1.969	CULVERT	N/A	
1.975	1.975	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.003	2.003	SIGN	RIGHT	GUIDE, 300 FT.
2.083	2.083	CULVERT	N/A	
2.113	2.113	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.166	2.166	SIGN	RIGHT	GUIDE, CANYON VIEW
2.225	2.225	INTERSECTION	LEFT	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
2.277	2.277	SIGN	RIGHT	GUIDE, CANYON VIEW
2.307	2.307	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.311	2.311	INTERSECTION	RIGHT	ROUTE 0403 (HELIPORT SERVICE ROAD)
2.332	2.332	CULVERT	N/A	
2.455	2.455	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.491	2.491	SIGN	RIGHT	GUIDE, MORAINÉ
2.534	2.534	INTERSECTION	LEFT	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
2.589	2.589	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
2.592	2.592	CULVERT	N/A	
2.650	2.650	CULVERT	N/A	
2.656	2.656	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.792	2.792	INTERSECTION	LEFT	ROUTE 0922 (CANYON VIEW PARKING)
2.816	2.816	SIGN	LEFT	GUIDE, CANYON VIEW
2.819	2.819	SIGN	RIGHT	GUIDE, CANYON VIEW
2.839	2.839	INTERSECTION	LEFT	ROUTE 0922 (CANYON VIEW PARKING)
2.882	2.882	CULVERT	N/A	
3.007	3.007	CULVERT	N/A	
3.053	3.053	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.169	3.169	CULVERT	N/A	
3.274	3.274	INTERSECTION	LEFT	ROUTE 0404 (CANYON VIEW SERVICE ROAD)
3.274	3.274	SIGN	LEFT	REGULATORY, SERVICE ROAD ONLY
3.299	3.299	CULVERT	N/A	
3.456	3.456	CULVERT	N/A	
3.516	3.516	CULVERT	N/A	
3.615	3.615	CULVERT	N/A	
3.775	3.775	CULVERT	N/A	
3.786	3.826	PULLOUT	LEFT	
3.802	3.802	CULVERT	N/A	
3.944	3.944	INTERSECTION	LEFT	ROUTE 0923 (KNAPP'S CABIN PARKING)
3.954	3.954	SIGN	RIGHT	GUIDE, KNAPP'S CABIN
4.011	4.011	INTERSECTION	LEFT	ROUTE 0923 (KNAPP'S CABIN PARKING)
4.056	4.056	CULVERT	N/A	
4.131	4.131	CULVERT	N/A	
4.231	4.231	CULVERT	N/A	
4.242	4.298	PULLOUT	LEFT	
4.264	4.264	CULVERT	N/A	
4.358	4.427	PULLOUT	LEFT	
4.396	4.396	CULVERT	N/A	
4.518	4.518	CULVERT	N/A	
4.523	4.554	PULLOUT	LEFT	
4.524	4.524	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
4.660	4.660	CULVERT	N/A	
4.671	4.731	PULLOUT	RIGHT	
4.727	4.757	GUARD/GUIDE RAIL	LEFT	
4.731	4.731	SIGN	RIGHT	GUIDE, ROARING RIVER
4.732	4.760	GUARD/GUIDE RAIL	RIGHT	
4.735	4.756	BRIDGE	N/A	8580-003 (ROARING RIVER BRIDGE)
4.760	4.760	SIGN	RIGHT	GUIDE, ROARING RIVER
4.780	4.786	CURB-AND-GUTTER	RIGHT	
4.794	4.794	INTERSECTION	RIGHT	ROUTE 0924 (ROARING RIVER FALLS PARKING)
4.798	4.832	CURB-AND-GUTTER	RIGHT	
4.839	4.839	INTERSECTION	RIGHT	ROUTE 0924 (ROARING RIVER FALLS PARKING)

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
4.842	4.848	CURB	RIGHT	
4.848	4.848	CULVERT	N/A	
4.937	4.937	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
5.021	5.021	INTERSECTION	LEFT	ROUTE 0925 (ROUTE 0011 PARKING AT MP 5.02)
5.058	5.058	INTERSECTION	LEFT	ROUTE 0925 (ROUTE 0011 PARKING AT MP 5.02)
5.174	5.174	SIGN	RIGHT	GUIDE, SOUTH FORK KINGS RIVER
5.174	5.209	GUARD/GUIDE RAIL	LEFT	
5.175	5.210	GUARD/GUIDE RAIL	RIGHT	
5.179	5.208	BRIDGE	N/A	8580-005 (UPPER CROSSING SOUTH FORK KINGS RIVER)
5.211	5.211	SIGN	RIGHT	GUIDE, SOUTH FORK KINGS RIVER
5.227	5.227	INTERSECTION	LEFT	ROUTE 0200 (CEDAR GROVE MOTOR NATURE ROAD)
5.229	5.293	PULLOUT	LEFT	
5.372	5.372	CULVERT	N/A	
5.422	5.422	INTERSECTION	RIGHT	ROUTE 0926 (ROUTE 0011 PARKING AT MP 5.42)
5.456	5.456	INTERSECTION	RIGHT	ROUTE 0926 (ROUTE 0011 PARKING AT MP 5.42)
5.608	5.608	CULVERT	N/A	
6.024	6.038	GUARD/GUIDE RAIL	RIGHT	
6.024	6.038	GUARD/GUIDE RAIL	LEFT	
6.029	6.034	BRIDGE	N/A	8580-002 (GRANITE CREEK BRIDGE)
6.168	6.168	CULVERT	N/A	
6.242	6.242	SIGN	RIGHT	GUIDE, ZUMWALT MEADOW P
6.324	6.329	CURB-AND-GUTTER	RIGHT	
6.335	6.335	INTERSECTION	RIGHT	ROUTE 0927 (ZUMWALT MEADOW PARKING)
6.393	6.394	CURB-AND-GUTTER	RIGHT	
6.399	6.399	INTERSECTION	RIGHT	ROUTE 0927 (ZUMWALT MEADOW PARKING)
6.402	6.406	CURB-AND-GUTTER	RIGHT	
6.672	6.672	CULVERT	N/A	
6.696	6.748	PULLOUT	RIGHT	
6.751	6.751	CULVERT	N/A	
6.808	6.808	CULVERT	N/A	
6.866	6.866	CULVERT	N/A	
6.869	6.869	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
6.987	6.987	CULVERT	N/A	
6.999	6.999	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
7.031	7.031	CULVERT	N/A	
7.067	7.067	INTERSECTION	LEFT	ROUTE 0011 (CEDAR GROVE ROAD)
7.076	7.076	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
7.076	7.076	SIGN	RIGHT	GUIDE, ROADS END INFORMATION
7.092	7.092	INTERSECTION	LEFT	ROUTE 0011 (CEDAR GROVE ROAD) SPUR
7.174	7.174	INTERSECTION	RIGHT	ROUTE 0928 (ROAD'S END INFORMATION PARKING)
7.177	7.177	SIGN	RIGHT	GUIDE, ROAD'S END INFORMATION WILDERNESS PERMITS
7.177	7.177	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
7.188	7.188	CULVERT	N/A	
7.240	7.240	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
7.241	7.241	INTERSECTION	LEFT	ROUTE 0929 (ROAD'S END RESTROOM PARKING)
7.257	7.257	SIGN	LEFT	REGULATORY, ONE WAY
7.265	7.265	INTERSECTION	RIGHT	ROUTE 0928 (ROAD'S END INFORMATION PARKING)
7.331	7.331	SIGN	LEFT	REGULATORY, ONE WAY
7.332	7.332	INTERSECTION	RIGHT	ROUTE 0930 (ROAD'S END COPPER CREEK TRAIL PARKING)
7.336	7.336	SIGN	RIGHT	GUIDE, CAUTION ACTIVE BEAR AREA OVERNIGHT USERS MOVE ALL FOOD, COOLERS, TOILETRIES AND TRASH FROM YOUR VEHI
7.418	7.418	SIGN	LEFT	REGULATORY, ONE WAY
7.421	7.421	INTERSECTION	RIGHT	ROUTE 0930 (ROAD'S END COPPER CREEK TRAIL PARKING)
7.428	7.428	CULVERT	N/A	
7.490	7.490	INTERSECTION	RIGHT	ROUTE 0931 (ROAD'S END LONG TERM PARKING)
7.491	7.491	SIGN	LEFT	REGULATORY, ONE WAY
7.505	7.561	PULLOUT	RIGHT	
7.555	7.555	SIGN	RIGHT	REGULATORY, END ONE WAY
7.569	7.569	SIGN	RIGHT	GUIDE, CEDAR GROVE 6 GRANT GROVE 37
7.569	7.569	INTERSECTION	LEFT	ROUTE 0011 (CEDAR GROVE ROAD) SPUR
7.571	7.571	SIGN	LEFT	GUIDE, RETURN TO ROAD'S END
7.580	7.580	INTERSECTION	N/A	ROUTE 0011 (CEDAR GROVE ROAD)
7.580	7.580	INTERSECTION	LEFT	ROUTE 0011 (CEDAR GROVE ROAD)
7.580	7.580	ROUTE END	N/A	TO END OF LOOP

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM SOUTHWEST PARK BOUNDARY
0.000	0.000	INTERSECTION	N/A	STATE HIGHWAY 180
0.000	0.000	PARK BOUNDARY	N/A	
0.011	0.404	CURB	LEFT	
0.012	0.012	DROP INLET	LEFT	
0.040	0.187	CURB	RIGHT	
0.040	0.040	CULVERT	N/A	
0.057	0.057	SIGN	RIGHT	GUIDE, PAY \$20.00 ENTRANCE FEE 1 MILE AHEAD
0.087	0.087	DROP INLET	LEFT	
0.092	0.092	SIGN	RIGHT	GUIDE, NATIONAL PARKS CLOSED TO HUNTING WEAPONS MUST BE UNLOADED, INOPERABLE AND STORED
0.170	0.170	DROP INLET	LEFT	
0.198	0.198	CULVERT	N/A	
0.199	0.199	SIGN	RIGHT	GUIDE, ADOPT-A-HIGHWAY DAVE & TINA ROLFSEMA
0.199	0.199	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.200	0.200	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
0.200	0.200	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.209	0.209	INTERSECTION	RIGHT	UNPAVED ROUTE
0.210	0.245	CURB	RIGHT	
0.211	0.211	SIGN	RIGHT	WARNING, NO STOPPING OR STANDING NEXT 260 FT
0.211	0.211	SIGN	RIGHT	REGULATORY, NO STOPPING OR STANDING
0.212	0.212	SIGN	RIGHT	GUIDE, KINGS CANYON NATIONAL PARK
0.221	0.221	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
0.245	0.245	SIGN	RIGHT	REGULATORY, NO STOPPING ANY TIME
0.245	0.245	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.245	0.251	GUARD/GUIDE WALL	RIGHT	
0.248	0.248	TRAFFIC LIGHT	LEFT	
0.248	0.248	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.248	0.248	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
0.254	0.254	SIGN	LEFT	WARNING, HAZARD TREE AREA
0.255	0.264	GUARD/GUIDE WALL	RIGHT	
0.256	0.258	GUARD/GUIDE RAIL	LEFT	
0.257	0.257	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.261	0.293	PULLOUT	RIGHT	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.262	0.262	SIGN	RIGHT	REGULATORY, NO STOPPING ANY TIME
0.265	0.283	RETAINING WALL	RIGHT	
0.279	0.279	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
0.283	0.294	CURB	RIGHT	
0.290	0.290	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.291	0.291	SIGN	RIGHT	WARNING, SLOW WATCH FOR SNOW-ICY SPOTS
0.293	0.293	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.294	0.294	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.296	0.296	CULVERT	N/A	
0.305	0.305	SIGN	RIGHT	GUIDE, PAY ENTRANCE FEE 1/2 MILE AHEAD
0.320	0.320	SIGN	RIGHT	WARNING, HAZARD TREE AREA
0.320	0.320	SIGN	RIGHT	WARNING, NO STOPPING NEXT 1/4 MILE
0.366	0.366	CULVERT	N/A	
0.405	0.556	CURB	LEFT	
0.417	0.521	CURB	RIGHT	
0.417	0.417	SIGN	RIGHT	WARNING, CHAINS MAY BE REQUIRED AT ANY TIME ON THIS ROAD
0.495	0.495	TRAFFIC LIGHT	RIGHT	
0.495	0.495	SIGN	RIGHT	REGULATORY, CAUTION TRAFFIC STOPPED ON CURVE
0.502	0.502	CULVERT	N/A	
0.520	0.626	CURB	RIGHT	
0.525	0.525	SIGN	RIGHT	REGULATORY, REDUCED SPEED 25
0.567	0.567	DROP INLET	RIGHT	
0.600	0.720	CURB	LEFT	
0.604	0.604	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.604	0.604	SIGN	RIGHT	WARNING, CAUTION SPEED AHEAD
0.639	0.639	CULVERT	N/A	
0.653	0.653	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.657	0.684	CURB	RIGHT	
0.680	0.680	CULVERT	N/A	
0.684	0.725	CURB	RIGHT	
0.723	0.723	SIGN	RIGHT	WARNING, PREPARE TO STOP
0.726	0.775	CURB	RIGHT	
0.732	0.732	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.776	0.899	CURB	RIGHT	
0.778	0.778	SIGN	RIGHT	GUIDE, ALL VEHICLES LEFT TURN
0.805	0.805	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.818	0.871	PULLOUT	LEFT	
0.862	0.862	SIGN	RIGHT	GUIDE, CALIFORNIA 180
0.862	0.862	SIGN	RIGHT	GUIDE, WEST
0.870	0.870	SIGN	RIGHT	REGULATORY, ALL WAY
0.870	0.875	CURB	LEFT	
0.873	0.873	SIGN	RIGHT	REGULATORY, STOP
0.876	0.876	INTERSECTION	LEFT	ROUTE 0900 (BIG STUMP PICNIC AREA)
0.876	0.876	SIGN	RIGHT	GUIDE, ALL VEHICLES LEFT TURN
0.876	0.876	SIGN	RIGHT	GUIDE, EXCLUDING COMMERCIAL TRUCKS
0.887	0.887	SIGN	RIGHT	REGULATORY, ALL WAY
0.887	0.887	SIGN	RIGHT	REGULATORY, STOP
0.900	0.931	CURB	RIGHT	
0.932	1.057	CURB	RIGHT	
0.948	1.058	CURB	LEFT	
0.982	0.982	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.032	1.032	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.050	1.050	SIGN	RIGHT	WARNING, PREPARE TO STOP
1.057	1.269	CURB	RIGHT	
1.088	1.088	CULVERT	N/A	
1.126	1.126	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.159	1.264	CURB	LEFT	
1.196	1.196	DROP INLET	LEFT	
1.257	1.257	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
1.260	1.260	CULVERT	N/A	
1.264	1.323	CURB	LEFT	
1.269	1.341	CURB	RIGHT	
1.297	1.297	SIGN	RIGHT	WARNING, CAUTION STOP AHEAD
1.315	1.315	CULVERT	N/A	
1.323	1.444	CURB	LEFT	
1.365	1.405	CURB	RIGHT	
1.421	1.421	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.444	1.628	CURB	LEFT	
1.498	1.498	CULVERT	N/A	
1.514	1.550	PULLOUT	RIGHT	
1.550	1.604	CURB	RIGHT	
1.589	1.589	CULVERT	N/A	
1.605	1.733	CURB	RIGHT	
1.645	1.645	CULVERT	N/A	
1.676	1.769	CURB	LEFT	
1.682	1.682	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.767	1.767	CULVERT	N/A	
1.769	1.814	CURB	LEFT	
1.780	1.780	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.789	1.789	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
1.800	1.800	CULVERT	N/A	
1.815	1.894	CURB	LEFT	
1.826	1.826	SIGN	LEFT	GUIDE, HUME LA
1.826	1.826	SIGN	RIGHT	GUIDE, HUME LAKE
1.826	1.826	SIGN	RIGHT	GUIDE, KINGS CANYON NATIONAL PARK SEQUOIA NATIONAL PARK
1.843	1.843	CULVERT	N/A	
1.849	1.894	CURB	RIGHT	
1.852	1.852	SIGN	RIGHT	GUIDE, FRESNO 55 MI. 180
1.893	1.893	CULVERT	N/A	
1.894	1.921	CURB	LEFT	
1.895	1.918	CURB	RIGHT	
1.902	1.902	SIGN	RIGHT	GUIDE, CALIFORNIA 180
1.902	1.902	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.924	1.924	INTERSECTION	RIGHT	ROUTE 0010 (GENERALS HIGHWAY)
1.929	1.955	CURB	RIGHT	
1.946	1.946	SIGN	RIGHT	GUIDE, CALIFORNIA 180
1.946	1.946	SIGN	RIGHT	GUIDE, EAST
1.957	1.957	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
1.976	2.040	CURB	LEFT	
1.997	1.997	CULVERT	N/A	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.003	2.208	CURB	RIGHT	
2.004	2.004	SIGN	RIGHT	GUIDE, GRANT GROVE 2 MI. CEDAR GROVE 32 MI.
2.039	2.039	SIGN	RIGHT	GUIDE, SEQUOIA NATIONAL PARK 180 FRESNO
2.041	2.085	CURB	LEFT	
2.052	2.052	CULVERT	N/A	
2.063	2.063	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
2.080	2.080	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.086	2.111	CURB	LEFT	
2.111	2.147	CURB	LEFT	
2.146	2.146	CULVERT	N/A	
2.148	2.185	CURB	LEFT	
2.186	2.219	CURB	LEFT	
2.213	2.213	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
2.216	2.216	CULVERT	N/A	
2.224	2.278	CURB	RIGHT	
2.278	2.478	CURB	RIGHT	
2.279	2.279	CULVERT	N/A	
2.292	2.355	CURB	LEFT	
2.392	2.392	CULVERT	N/A	
2.432	2.475	CURB	LEFT	
2.479	2.525	CURB	RIGHT	
2.482	2.482	INTERSECTION	LEFT	UNPAVED ROUTE
2.482	2.527	CURB	LEFT	
2.519	2.519	CULVERT	N/A	
2.529	2.585	CURB	LEFT	
2.531	2.531	INTERSECTION	RIGHT	ROUTE 5000 (PARK ROAD / WILSONIA ROAD)
2.535	2.583	CURB	RIGHT	
2.537	2.537	SIGN	RIGHT	GUIDE, PARK RD
2.538	2.538	SIGN	LEFT	GUIDE, PARK RD
2.558	2.558	CULVERT	N/A	
2.584	2.586	CURB	RIGHT	
2.584	2.584	CULVERT	N/A	
2.585	2.596	CURB	LEFT	
2.586	2.642	CURB	RIGHT	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.600	2.613	CURB	LEFT	
2.612	2.640	PULLOUT	LEFT	
2.622	2.704	CURB	LEFT	
2.672	2.672	CULVERT	N/A	
2.694	2.763	CURB	RIGHT	
2.705	2.765	CURB	LEFT	
2.764	2.790	CURB	RIGHT	
2.774	2.774	CULVERT	N/A	
2.791	2.838	CURB	RIGHT	
2.806	2.830	CURB	LEFT	
2.836	2.836	CULVERT	N/A	
2.839	2.894	CURB	RIGHT	
2.894	2.947	CURB	LEFT	
2.932	2.932	SIGN	RIGHT	GUIDE, FIRE DANGER TODAY EXTREME
2.948	3.066	CURB	LEFT	
2.950	2.950	CULVERT	N/A	
2.988	3.073	CURB	RIGHT	
2.996	2.996	SIGN	RIGHT	GUIDE, WILSONIA PRIVATE COMMUNITY
3.013	3.013	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
3.024	3.024	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
3.074	3.093	CURB	RIGHT	
3.092	3.092	CULVERT	N/A	
3.102	3.102	INTERSECTION	RIGHT	ROUTE 0417AZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD A)
3.109	3.109	CULVERT	N/A	
3.109	3.269	CURB	RIGHT	
3.137	3.137	SIGN	RIGHT	GUIDE, SUNSET AZALEA CRYSTAL SPRINGS
3.144	3.144	SIGN	RIGHT	GUIDE, WILSONIA
3.164	3.164	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
3.165	3.165	INTERSECTION	LEFT	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
3.175	3.333	CURB	LEFT	
3.210	3.210	CULVERT	N/A	
3.252	3.252	CULVERT	N/A	
3.270	3.314	CURB	RIGHT	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.276	3.276	SIGN	RIGHT	GUIDE, GENERAL GRANT TREE GRANT GROVE VILLAGE
3.310	3.310	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
3.313	3.313	DROP INLET	RIGHT	
3.315	3.338	CURB-AND-GUTTER	RIGHT	
3.321	3.321	FIRE HYDRANT	RIGHT	
3.330	3.330	SIGN	RIGHT	GUIDE, KINGS CANYON VISITOR CENTER INFORMATION EXHIBITS RANGER STATION
3.331	3.331	SIGN	LEFT	GUIDE, KINGS CANYON VISITOR CENTER INFORMATION EXHIBITS RANGER STATION
3.336	3.500	CURB	LEFT	
3.351	3.351	INTERSECTION	RIGHT	ROUTE 0101 (PANORAMIC POINT ROAD)
3.359	3.397	CURB	RIGHT	
3.394	3.394	SIGN	RIGHT	GUIDE, GRANT GROVE
3.397	3.397	SIGN	LEFT	REGULATORY, DO NOT ENTER
3.401	3.401	INTERSECTION	RIGHT	ROUTE 0904 (GRANT GROVE CONCESSION PARKING)
3.402	3.414	CURB	RIGHT	
3.414	3.414	SIGN	LEFT	REGULATORY, DO NOT ENTER
3.422	3.422	INTERSECTION	RIGHT	ROUTE 0904 (GRANT GROVE CONCESSION PARKING)
3.424	3.430	CURB	RIGHT	
3.425	3.425	DROP INLET	RIGHT	
3.432	3.432	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
3.435	3.435	INTERSECTION	RIGHT	ROUTE 0904 (GRANT GROVE CONCESSION PARKING)
3.438	3.461	CURB	RIGHT	
3.450	3.450	SIGN	RIGHT	GUIDE, AZALEA COLUMBINE CRYSTAL SPRINGS
3.462	3.538	CURB	RIGHT	
3.501	3.544	CURB	LEFT	
3.501	3.501	CULVERT	N/A	
3.524	3.524	SIGN	RIGHT	GUIDE, GENERAL GRANT TREE
3.539	3.569	CURB	RIGHT	
3.540	3.540	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
3.544	3.572	CURB	LEFT	
3.560	3.560	CULVERT	N/A	
3.578	3.578	INTERSECTION	LEFT	ROUTE 0212 (GRANT TREE ROAD)
3.581	3.581	INTERSECTION	RIGHT	ROUTE 0217 (CRYSTAL SPRINGS ROAD)

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.584	3.623	CURB	RIGHT	
3.585	3.664	CURB	LEFT	
3.609	3.609	SIGN	RIGHT	GUIDE, GENERAL GRANT TREE
3.617	3.617	CULVERT	N/A	
3.624	3.639	CURB	RIGHT	
3.627	3.627	SIGN	RIGHT	GUIDE, CEDAR GROVE 30 MILES
3.649	3.649	CULVERT	N/A	
3.665	3.723	CURB	LEFT	
3.710	3.710	SIGN	RIGHT	GUIDE, AZALEA COLUMBINE CRYSTAL SPRINGS
3.723	3.723	SIGN	LEFT	GUIDE, OPEN
3.723	3.723	SIGN	LEFT	GUIDE, SADDLE HORSES FOR RENT
3.724	3.724	SIGN	RIGHT	GUIDE, SADDLE HORSES FOR RENT
3.724	3.724	SIGN	RIGHT	GUIDE, OPEN
3.728	3.728	INTERSECTION	LEFT	ROUTE 0933 (GRANT GROVE CORRAL PARKING)
3.732	3.781	CURB	LEFT	
3.783	3.817	CURB	LEFT	
3.799	3.830	CURB	RIGHT	
3.830	3.909	CURB	RIGHT	
3.834	3.834	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
3.841	3.863	CURB	LEFT	
3.899	3.899	CULVERT	N/A	
3.910	3.946	CURB	RIGHT	
3.943	3.943	CULVERT	N/A	
3.946	4.034	CURB	RIGHT	
3.991	4.036	CURB	LEFT	
4.035	4.065	CURB	RIGHT	
4.046	4.046	CULVERT	N/A	
4.066	4.107	CURB	RIGHT	
4.102	4.102	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
4.108	4.226	CURB	RIGHT	
4.113	4.113	CULVERT	N/A	
4.226	4.322	CURB	RIGHT	
4.234	4.234	CULVERT	N/A	
4.269	4.323	CURB	LEFT	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
4.322	4.386	CURB	RIGHT	
4.325	4.325	CULVERT	N/A	
4.361	4.488	CURB	LEFT	
4.387	4.435	GUARD/GUIDE WALL	RIGHT	
4.417	4.417	CULVERT	N/A	
4.484	4.637	CURB	RIGHT	
4.522	4.522	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
4.539	4.539	CULVERT	N/A	
4.583	4.583	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
4.588	4.633	CURB	LEFT	
4.605	4.605	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
4.623	4.648	PULLOUT	RIGHT	.
4.632	4.632	SIGN	RIGHT	WARNING, SLOW DOWN FOR WILDLIFE
4.644	4.688	CURB	LEFT	
4.668	4.668	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
4.695	4.695	SIGN	LEFT	GUIDE, ENTERING SEQUOIA NATIONAL FOREST UNITED STATES DEPARTMENT OF AGRICULTURE
4.695	4.695	SIGN	RIGHT	GUIDE, ENTERING KINGS CANYON NATIONAL PARK UNITED STATES DEPARTMENT OF THE INTERIOR
4.700	4.700	INTERSECTION	N/A	STATE HIGHWAY 180
4.700	4.700	PARK BOUNDARY	N/A	
4.700	4.700	ROUTE END	N/A	TO 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 BEGIN	N/A	FROM ROUTE 0015 AT MP 3.36 ON RIGHT
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.000	0.000	SIGN	N/A	GUIDE, SEQUOIA NATIONAL PARK FRESNO 180 GRANT TREE HUME LAKE CEDAR GROVE
0.000	0.000	INTERSECTION	LEFT	ROUTE 0015 (GRANT GROVE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0015 (GRANT GROVE ROAD)
0.009	0.019	CURB-AND-GUTTER	RIGHT	
0.015	0.015	INTERSECTION	LEFT	ROUTE 0904 (GRANT GROVE CONCESSION PARKING)
0.021	0.021	SIGN	LEFT	GUIDE, BUS AND R.V. PARKING
0.021	0.021	SIGN	LEFT	GUIDE, BUS DROP-OFF AND PICKUP
0.021	0.026	CURB-AND-GUTTER	LEFT	
0.024	0.024	SIGN	LEFT	GUIDE, GRANT GROVE LODGE MEADOW CAMP CABIN REGISTRATION
0.045	0.045	INTERSECTION	LEFT	ROUTE 0906BZ (GRANT GROVE VISITOR CENTER PARKING AREA B)
0.058	0.058	INTERSECTION	RIGHT	ROUTE 0906AZ (GRANT GROVE VISITOR CENTER PARKING AREA A)
0.061	0.065	CURB-AND-GUTTER	LEFT	
0.078	0.078	INTERSECTION	LEFT	ROUTE 0906CZ (GRANT GROVE VISITOR CENTER PARKING AREA C)
0.088	0.088	DROP INLET	RIGHT	
0.093	0.093	INTERSECTION	RIGHT	ROUTE 0907 (MANZANITA TRAIL PARKING)
0.100	0.100	DROP INLET	RIGHT	
0.102	0.102	SIGN	RIGHT	GUIDE, CAUTION ACTIVE BEAR AREA
0.132	0.132	INTERSECTION	LEFT	ROUTE 0908BZ (GRANT GROVE VILLAGE PARKING AREA B)
0.141	0.141	INTERSECTION	RIGHT	ROUTE 0908AZ (GRANT GROVE VILLAGE PARKING AREA A)
0.165	0.165	INTERSECTION	RIGHT	ROUTE 0418 (GRANT GROVE WATER TOWER ACCESS ROAD)
0.188	0.188	CULVERT	N/A	
0.192	0.192	INTERSECTION	LEFT	ROUTE 0217 (CRYSTAL SPRINGS ROAD) SPUR
0.196	0.196	SIGN	LEFT	GUIDE, CRYSTAL SPRINGS CAMPGROUND GEN GRANT TREE MOW CAMP CABINS PANORAMIC POINT
0.202	0.202	FIRE HYDRANT	RIGHT	
0.209	0.209	INTERSECTION	LEFT	ROUTE 0217 (CRYSTAL SPRINGS ROAD)
0.215	0.215	INTERSECTION	LEFT	ROUTE 0909 (JOHN MUIR LODGE PARKING)
0.219	0.219	SIGN	LEFT	GUIDE, JOHN MUIR LODGE
0.222	0.222	SIGN	RIGHT	REGULATORY, STOP

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0101: PANORAMIC POINT ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.227	0.227	SIGN	RIGHT	REGULATORY, CAUTION NO RVS OR TRAILERS BEYOND THIS POINT
0.227	0.227	GATE	N/A	
0.247	0.247	SIGN	RIGHT	WARNING, NARROW ROAD
0.247	0.247	SIGN	RIGHT	REGULATORY, SPEED LIMIT 10
0.445	0.445	SIGN	RIGHT	GUIDE, RESIDENTIAL AREA ONLY
0.450	0.450	INTERSECTION	RIGHT	ROUTE 0419 (TRAILER RESIDENCE ROAD)
0.902	0.902	CULVERT	N/A	
0.943	0.943	INTERSECTION	LEFT	UNPAVED ROUTE
0.947	0.947	CULVERT	N/A	
1.416	1.416	SIGN	RIGHT	GUIDE, ROUND MEADOW TRAIL
1.431	1.431	CULVERT	N/A	
2.186	2.186	INTERSECTION	LEFT	UNPAVED ROUTE
2.340	2.340	INTERSECTION	N/A	ROUTE 0932 (PANORAMIC POINT PARKING)
2.340	2.340	ROUTE END	N/A	TO ROUTE 0932 PANORAMIC POINT PARKING

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0207AZ: SENTINEL CAMPGROUND ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0205 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0205 (CEDAR GROVE NORTH SIDE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0205 (CEDAR GROVE NORTH SIDE ROAD)
0.032	0.032	INTERSECTION	RIGHT	ROUTE 0918AZ (CEDAR GROVE VISITOR CENTER PARKING AREA A)
0.039	0.039	SIGN	RIGHT	GUIDE, VISITOR CENTER RANGER STATION SENTINEL
0.042	0.042	GATE	N/A	
0.046	0.046	INTERSECTION	LEFT	ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)
0.047	0.047	SIGN	RIGHT	GUIDE, CAUTION ACTIVE BEAR AREA PROPER FOOD STORAGE IS THE LAW AND YOUR RESPONSIBILITY. INSTRUCTIONS ARE PO
0.051	0.051	SIGN	LEFT	GUIDE, 1-59 60-83
0.062	0.062	INTERSECTION	LEFT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.065	0.065	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.065	0.065	SIGN	LEFT	REGULATORY, ONE WAY
0.070	0.070	SIGN	LEFT	REGULATORY, BEGIN ONE WAY ROADS
0.070	0.070	SIGN	LEFT	REGULATORY, SPEED LIMIT 10
0.104	0.104	INTERSECTION	LEFT	ROUTE 0207CZ (SENTINEL CAMPGROUND ROAD C)
0.125	0.125	INTERSECTION	LEFT	ROUTE 0207DZ (SENTINEL CAMPGROUND ROAD D)
0.127	0.127	SIGN	LEFT	GUIDE, 6-37 49-59
0.312	0.312	INTERSECTION	RIGHT	ROUTE 0918BZ (CEDAR GROVE VISITOR CENTER PARKING AREA B)
0.408	0.408	INTERSECTION	LEFT	ROUTE 0207DZ (SENTINEL CAMPGROUND ROAD D)
0.467	0.467	INTERSECTION	RIGHT	ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)
0.474	0.474	INTERSECTION	LEFT	ROUTE 0207CZ (SENTINEL CAMPGROUND ROAD C)
0.600	0.600	INTERSECTION	LEFT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.600	0.600	INTERSECTION	N/A	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.600	0.600	ROUTE END	N/A	TO END OF LOOP

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0207BZ: SENTINEL CAMPGROUND ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0207AZ AT MP 0.05 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.007	0.007	SIGN	RIGHT	REGULATORY, ONE WAY
0.020	0.020	INTERSECTION	LEFT	ROUTE 0207EZ (SENTINEL CAMPGROUND ROAD E)
0.139	0.139	SIGN	LEFT	GUIDE, ASH REMOVAL STATION PLEASE REPLACE TOOLS AFTER USE
0.152	0.152	INTERSECTION	LEFT	ROUTE 0207EZ (SENTINEL CAMPGROUND ROAD E)
0.220	0.220	INTERSECTION	LEFT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.220	0.220	INTERSECTION	RIGHT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.220	0.220	SIGN	LEFT	REGULATORY, ONE WAY
0.220	0.220	ROUTE END	N/A	TO ROUTE 0207AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0207CZ: SENTINEL CAMPGROUND ROAD C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0207AZ AT MP 0.10 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.004	0.004	SIGN	RIGHT	GUIDE, 38-48
0.120	0.120	INTERSECTION	LEFT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.120	0.120	INTERSECTION	RIGHT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.120	0.120	ROUTE END	N/A	TO ROUTE 0207AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0207DZ: SENTINEL CAMPGROUND ROAD D

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0207AZ AT MP 0.13 ON LEFT
0.000	0.000	INTERSECTION	N/A	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.120	0.120	INTERSECTION	LEFT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.120	0.120	INTERSECTION	RIGHT	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.120	0.120	SIGN	RIGHT	REGULATORY, ONE WAY
0.120	0.120	ROUTE END	N/A	TO ROUTE 0207AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0207EZ: SENTINEL CAMPGROUND ROAD E

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0207BZ AT MP 0.15 ON LEFT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)
0.000	0.000	INTERSECTION	N/A	ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)
0.006	0.006	SIGN	RIGHT	GUIDE, 78-83
0.100	0.100	INTERSECTION	LEFT	ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)
0.100	0.100	INTERSECTION	RIGHT	ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)
0.100	0.100	ROUTE END	N/A	TO ROUTE 0207BZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0208AZ: CANYON VIEW CAMPGROUND ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 AT MP 2.23 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (CEDAR GROVE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (CEDAR GROVE ROAD)
0.005	0.005	GATE	N/A	
0.009	0.009	SIGN	RIGHT	GUIDE, CAUTION ACTIVE BEAR AREA PROPER FOOD STORAGE IS THE LAW AND YOUR RESPONSIBILITY. INSTRUCTIONS ARE PO
0.010	0.010	INTERSECTION	LEFT	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.014	0.014	SIGN	LEFT	GUIDE, TENT SITES 1-23 61-65
0.017	0.017	SIGN	LEFT	REGULATORY, ONE WAY
0.020	0.020	INTERSECTION	LEFT	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A) SPUR
0.024	0.024	GATE	N/A	
0.093	0.093	SIGN	RIGHT	GUIDE, ASH REMOVAL STATION PLEASE REPLACE TOOLS AFTER USE
0.148	0.148	INTERSECTION	RIGHT	ROUTE 0208BZ (CANYON VIEW CAMPGROUND ROAD B)
0.150	0.150	GATE	N/A	
0.150	0.150	SIGN	RIGHT	GUIDE, SITES 61-65 11-23
0.190	0.190	SIGN	RIGHT	GUIDE, ASH REMOVAL STATION PLEASE REPLACE TOOLS AFTER USE
0.265	0.265	SIGN	RIGHT	GUIDE, ASH REMOVAL STATION PLEASE REPLACE AFTER USE
0.269	0.269	GATE	N/A	
0.275	0.275	INTERSECTION	RIGHT	ROUTE 0208CZ (CANYON VIEW CAMPGROUND ROAD C)
0.295	0.295	INTERSECTION	LEFT	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A) SPUR
0.300	0.300	INTERSECTION	RIGHT	ROUTE 0208CZ (CANYON VIEW CAMPGROUND ROAD C)
0.310	0.310	SIGN	RIGHT	REGULATORY, STOP
0.310	0.310	INTERSECTION	LEFT	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.310	0.310	INTERSECTION	N/A	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.310	0.310	SIGN	N/A	GUIDE, UNABLE TO READ FROM VIDEO
0.310	0.310	ROUTE END	N/A	TO END OF LOOP

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0208BZ: CANYON VIEW CAMPGROUND ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0208AZ AT MP 0.15 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0208BZ (CANYON VIEW CAMPGROUND ROAD B)
0.076	0.076	SIGN	LEFT	GUIDE, P
0.085	0.085	SIGN	RIGHT	GUIDE, ASH REMOVAL STATION PLEASE REPLACE TOOLS AFTER USE
0.175	0.175	GATE	N/A	
0.179	0.179	SIGN	RIGHT	REGULATORY, ONE WAY
0.180	0.180	INTERSECTION	LEFT	ROUTE 0208CZ (CANYON VIEW CAMPGROUND ROAD C)
0.180	0.180	INTERSECTION	RIGHT	ROUTE 0208CZ (CANYON VIEW CAMPGROUND ROAD C)
0.180	0.180	ROUTE END	N/A	TO ROUTE 0208CZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0208CZ: CANYON VIEW CAMPGROUND ROAD C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0208AZ AT MP 0.28 ON RIGHT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.002	0.002	SIGN	RIGHT	GUIDE, ALL SITES RESERVED CHECK AT RANGER STATION
0.002	0.002	SIGN	RIGHT	GUIDE, SITES A-D ORGANIZED GROUPS ONLY
0.023	0.023	SIGN	LEFT	GUIDE, ASH REMOVAL STATION PLEASE REPLACE TOOLS AFTER USE
0.113	0.113	SIGN	LEFT	GUIDE, ASH REMOVAL STATION PLEASE REPLACE TOOLS AFTER USE
0.170	0.170	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.219	0.219	SIGN	LEFT	GUIDE, NO WASHING
0.268	0.268	SIGN	RIGHT	GUIDE, ASH REMOVAL STATION PLEASE REPLACE TOOLS AFTER USE
0.313	0.313	SIGN	LEFT	REGULATORY, ONE WAY
0.318	0.318	INTERSECTION	LEFT	ROUTE 0208BZ (CANYON VIEW CAMPGROUND ROAD B)
0.350	0.350	INTERSECTION	RIGHT	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.350	0.350	INTERSECTION	LEFT	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.350	0.350	ROUTE END	N/A	TO ROUTE 0208AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0209BZ: MORAINÉ CAMPGROUND ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0209AZ ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
0.005	0.005	SIGN	RIGHT	GUIDE, SITES 15-49 50-68
0.030	0.030	INTERSECTION	LEFT	ROUTE 0209CZ (MORAINÉ CAMPGROUND ROAD C)
0.037	0.037	SIGN	LEFT	GUIDE, SITES 55-68 35-49 53-54
0.047	0.047	SIGN	RIGHT	GUIDE, ASH REMOVAL STATION PLEASE REPLACE TOOLS AFTER USE
0.100	0.100	INTERSECTION	RIGHT	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
0.100	0.100	INTERSECTION	LEFT	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
0.100	0.100	ROUTE END	N/A	TO ROUTE 0209AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0209CZ: MORAINÉ CAMPGROUND ROAD C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0209BZ AT MP 0.03 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0209BZ (MORAINÉ CAMPGROUND ROAD B)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0209BZ (MORAINÉ CAMPGROUND ROAD B)
0.040	0.054	PULLOUT	LEFT	
0.043	0.058	PULLOUT	RIGHT	
0.056	0.069	PULLOUT	LEFT	
0.061	0.075	PULLOUT	RIGHT	
0.152	0.152	SIGN	RIGHT	GUIDE, ASH REMOVAL STATION PLEASE REPLACE TOOLS AFTER USE
0.160	0.160	INTERSECTION	RIGHT	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
0.160	0.160	SIGN	N/A	REGULATORY, ONE WAY
0.160	0.160	INTERSECTION	LEFT	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
0.160	0.160	ROUTE END	N/A	TO ROUTE 0209AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0209DZ: MORAINÉ CAMPGROUND ROAD D

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0209AZ ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
0.006	0.006	SIGN	RIGHT	REGULATORY, ONE WAY
0.023	0.023	SIGN	RIGHT	REGULATORY, SPEED LIMIT 10
0.121	0.121	INTERSECTION	RIGHT	ROUTE 0209EZ (MORAINÉ CAMPGROUND ROAD E)
0.123	0.123	SIGN	RIGHT	GUIDE, SITES 80-98 109-120 99-108
0.175	0.175	INTERSECTION	RIGHT	ROUTE 0209FZ (MORAINÉ CAMPGROUND ROAD F)
0.344	0.344	SIGN	RIGHT	GUIDE, ASH REMOVAL STATION PLEASE REPLACE TOOLS AFTER USE
0.370	0.370	INTERSECTION	LEFT	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
0.370	0.370	INTERSECTION	N/A	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
0.370	0.370	INTERSECTION	RIGHT	ROUTE 0209FZ (MORAINÉ CAMPGROUND ROAD F)
0.370	0.370	SIGN	RIGHT	REGULATORY, ONE WAY
0.370	0.370	ROUTE END	N/A	TO ROUTE 0209AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0209EZ: MORAINÉ CAMPGROUND ROAD E

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0209DZ AT MP 0.12 ON RIGHT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0209DZ (MORAINÉ CAMPGROUND ROAD D)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0209DZ (MORAINÉ CAMPGROUND ROAD D)
0.120	0.120	INTERSECTION	RIGHT	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
0.120	0.120	SIGN	N/A	REGULATORY, ONE WAY
0.120	0.120	INTERSECTION	LEFT	ROUTE 0209AZ (MORAINÉ CAMPGROUND ROAD A)
0.120	0.120	ROUTE END	N/A	TO ROUTE 0209AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0209FZ: MORaine CAMPGROUND ROAD F

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0209DZ AT MP 0.18 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0209DZ (MORaine CAMPGROUND ROAD D)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0209DZ (MORaine CAMPGROUND ROAD D)
0.006	0.006	SIGN	LEFT	GUIDE, SITES 84-98 109-120
0.082	0.082	CULVERT	N/A	
0.088	0.088	CULVERT	N/A	
0.130	0.130	INTERSECTION	LEFT	ROUTE 0209DZ (MORaine CAMPGROUND ROAD D)
0.130	0.130	INTERSECTION	N/A	ROUTE 0209AZ (MORaine CAMPGROUND ROAD A)
0.130	0.130	INTERSECTION	RIGHT	ROUTE 0209AZ (MORaine CAMPGROUND ROAD A)
0.130	0.130	SIGN	RIGHT	REGULATORY, ONE WAY
0.130	0.130	ROUTE END	N/A	TO ROUTE 0209AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212: GRANT TREE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0015 AT MP 3.58 ON LEFT
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.000	0.000	INTERSECTION	LEFT	ROUTE 0015 (GRANT GROVE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0015 (GRANT GROVE ROAD)
0.004	0.005	CURB	LEFT	
0.005	0.013	CURB	RIGHT	
0.012	0.012	SIGN	RIGHT	WARNING, SLOW DOWN FOR WILDLIFE
0.017	0.017	SIGN	RIGHT	GUIDE, CRYSTAL SPRINGS CEDAR GROVE GRANT GROVE
0.030	0.030	SIGN	RIGHT	GUIDE, GRANT TREE COLUMBINE PICNIC AREA
0.034	0.034	INTERSECTION	LEFT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.040	0.040	SIGN	LEFT	GUIDE, AZALEA CAMPGROUND
0.040	0.040	SIGN	LEFT	GUIDE, NO PICNICKING
0.041	0.041	SIGN	RIGHT	GUIDE, AZALEA CAMPGROUND
0.060	0.102	CURB	LEFT	
0.066	0.066	CULVERT	N/A	
0.075	0.075	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.106	0.106	DROP INLET	RIGHT	
0.135	0.135	DROP INLET	RIGHT	
0.188	0.188	SIGN	RIGHT	GUIDE, COLUMBINE
0.235	0.235	INTERSECTION	LEFT	ROUTE 0911 (COLUMBINE PICNIC PARKING)
0.310	0.310	CULVERT	N/A	
0.354	0.354	CULVERT	N/A	
0.360	0.360	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.360	0.360	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.383	0.383	DROP INLET	RIGHT	
0.474	0.479	CURB	RIGHT	
0.483	0.525	CURB	RIGHT	
0.516	0.516	CULVERT	N/A	
0.533	0.533	CULVERT	N/A	
0.629	0.629	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.643	0.698	PULLOUT	RIGHT	
0.738	0.738	CULVERT	N/A	
0.752	0.770	CURB	RIGHT	
0.759	0.759	INTERSECTION	LEFT	ROUTE 0414 (SWALE WORK CENTER ROAD)

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212: GRANT TREE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.768	0.768	SIGN	RIGHT	GUIDE, GRANT TREE BUS AND R.V. PARKING
0.770	0.770	INTERSECTION	N/A	ROUTE 0912 (GRANT TREE PARKING)
0.770	0.770	ROUTE END	N/A	TO ROUTE 0912

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216AZ: AZALEA CAMPGROUND ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0212 AT MP 0.03 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0212 (GRANT TREE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0212 (GRANT TREE ROAD)
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.016	0.029	PULLOUT	RIGHT	
0.028	0.028	SIGN	RIGHT	GUIDE, CAMP ONLY IN DESIGNATED SITES 6 PERSONS PER SITE 14 DAY CAMPING TIME
0.028	0.028	SIGN	RIGHT	GUIDE, CAUTION ACTIVE BEAR AREA
0.082	0.082	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.088	0.088	SIGN	RIGHT	GUIDE, CAMPGROUND REGISTRATION
0.094	0.094	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.097	0.097	INTERSECTION	RIGHT	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.104	0.104	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.140	0.140	INTERSECTION	LEFT	ROUTE 0216DZ (AZALEA CAMPGROUND ROAD D)
0.144	0.144	SIGN	LEFT	REGULATORY, WRONG WAY
0.162	0.162	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.233	0.233	SIGN	RIGHT	GUIDE, 26-47 48-113
0.246	0.246	INTERSECTION	LEFT	ROUTE 0216DZ (AZALEA CAMPGROUND ROAD D)
0.250	0.250	SIGN	LEFT	GUIDE, CAMPGROUND REGISTRATION DEPOSIT FEE HERE
0.262	0.262	SIGN	RIGHT	GUIDE, FOR ASH CLEANING ONLY PLEASE RETURN
0.265	0.265	SIGN	LEFT	GUIDE, FOR ASH CLEANING ONLY PLEASE RETURN
0.296	0.296	INTERSECTION	LEFT	ROUTE 0216EZ (AZALEA CAMPGROUND ROAD E)
0.299	0.299	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.336	0.336	SIGN	RIGHT	GUIDE, 57-84
0.342	0.342	INTERSECTION	LEFT	ROUTE 0216EZ (AZALEA CAMPGROUND ROAD E)
0.372	0.372	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.398	0.398	SIGN	RIGHT	GUIDE, 87-111 112-113
0.404	0.404	SIGN	LEFT	REGULATORY, ONE WAY
0.418	0.418	GATE	N/A	
0.452	0.452	SIGN	RIGHT	GUIDE, FOR ASH CLEANING ONLY PLEASE RETURN
0.509	0.509	INTERSECTION	LEFT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.510	0.510	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.540	0.540	SIGN	RIGHT	GUIDE, FOR ASH CLEANING ONLY PLEASE RETURN
0.576	0.588	PULLOUT	LEFT	

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216AZ: AZALEA CAMPGROUND ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.698	0.698	CULVERT	N/A	
0.701	0.725	CURB	RIGHT	
0.728	0.730	CURB	RIGHT	
0.770	0.770	INTERSECTION	LEFT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.770	0.770	INTERSECTION	RIGHT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.770	0.770	ROUTE END	N/A	TO END OF LOOP

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216BZ: AZALEA CAMPGROUND ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0216AZ AT MP 0.34 ON RIGHT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.011	0.011	SIGN	LEFT	GUIDE, TENT CAMPING ONLY NO RVS OR TENT TRAILERS
0.030	0.030	INTERSECTION	LEFT	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.031	0.031	SIGN	LEFT	REGULATORY, ONE WAY
0.033	0.039	CURB	LEFT	
0.040	0.045	CURB	LEFT	
0.051	0.051	CULVERT	N/A	
0.089	0.094	CURB	RIGHT	
0.146	0.146	INTERSECTION	LEFT	ROUTE 0216CZ (AZALEA CAMPGROUND ROAD C)
0.174	0.174	CULVERT	N/A	
0.254	0.254	INTERSECTION	LEFT	ROUTE 0216CZ (AZALEA CAMPGROUND ROAD C)
0.278	0.278	CULVERT	N/A	
0.300	0.300	SIGN	LEFT	GUIDE, FOR ASH CLEANING ONLY PLEASE RETURN
0.340	0.340	INTERSECTION	N/A	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.340	0.340	INTERSECTION	RIGHT	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.340	0.340	ROUTE END	N/A	TO END OF LOOP

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216CZ: AZALEA CAMPGROUND ROAD C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0216BZ AT MP 0.15 ON LEFT
0.000	0.000	INTERSECTION	N/A	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.030	0.030	INTERSECTION	LEFT	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.030	0.030	INTERSECTION	RIGHT	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.030	0.030	ROUTE END	N/A	TO ROUTE 0216BZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216DZ: AZALEA CAMPGROUND ROAD D

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0216AZ AT MP 0.25 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.006	0.006	GATE	N/A	
0.006	0.006	SIGN	RIGHT	REGULATORY, ONE WAY
0.034	0.034	CULVERT	N/A	
0.104	0.104	SIGN	LEFT	GUIDE, FOR ASH CLEANING ONLY PLEASE RETURN
0.254	0.254	GATE	N/A	
0.260	0.260	INTERSECTION	LEFT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.260	0.260	INTERSECTION	RIGHT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.260	0.260	ROUTE END	N/A	TO ROUTE 0216AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216EZ: AZALEA CAMPGROUND ROAD E

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0216AZ AT MP 0.34 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.005	0.005	SIGN	RIGHT	REGULATORY, ONE WAY
0.056	0.056	CULVERT	N/A	
0.078	0.078	SIGN	LEFT	GUIDE, FOR ASH CLEANING ONLY PLEASE RETURN
0.092	0.092	CULVERT	N/A	
0.108	0.108	SIGN	LEFT	GUIDE, CAMPGROUND HOST
0.193	0.193	GATE	N/A	
0.200	0.200	INTERSECTION	LEFT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.200	0.200	INTERSECTION	RIGHT	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.200	0.200	ROUTE END	N/A	TO ROUTE 0216AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0400: CEDAR GROVE RESIDENCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0205 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0205 (CEDAR GROVE NORTH SIDE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0205 (CEDAR GROVE NORTH SIDE ROAD)
0.000	0.000	SIGN	N/A	GUIDE, GRANT GROVE 31 CEDAR GROVE 1
0.002	0.002	SIGN	RIGHT	REGULATORY, STOP
0.017	0.038	PULLOUT	LEFT	
0.090	0.090	CULVERT	N/A	
0.159	0.159	CULVERT	N/A	
0.201	0.201	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.220	0.220	CULVERT	N/A	
0.253	0.253	SIGN	RIGHT	WARNING, STOCK XING
0.267	0.267	SIGN	LEFT	GUIDE, RENTAL STOCK
0.268	0.268	SIGN	RIGHT	GUIDE, RENTAL STOCK
0.276	0.276	INTERSECTION	LEFT	UNPAVED ROUTE (STABLE AREA PARKING)
0.279	0.279	SIGN	LEFT	GUIDE, PARKING
0.364	0.364	SIGN	RIGHT	WARNING, STOCK XING
0.419	0.423	CURB	RIGHT	
0.487	0.487	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.569	0.569	SIGN	RIGHT	GUIDE, NATIONAL PARK SERVICE RESIDENTIAL AREA MAINTENANCE SHOP
0.577	0.577	INTERSECTION	LEFT	ROUTE 0914 (CEDAR GROVE MAINTENANCE AREA)
0.589	0.589	INTERSECTION	LEFT	ROUTE 0401 (CEDAR GROVE RESIDENCE LOOP)
0.607	0.607	INTERSECTION	LEFT	ROUTE 0401 (CEDAR GROVE RESIDENCE LOOP) SPUR
0.607	0.607	SIGN	RIGHT	REGULATORY, SERVICE ROAD ONLY
0.680	0.680	INTERSECTION	LEFT	ROUTE 0401 (CEDAR GROVE RESIDENCE LOOP)
0.708	0.722	PULLOUT	LEFT	
0.729	0.729	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.730	0.730	INTERSECTION	N/A	ROUTE 0200 (CEDAR GROVE MOTOR NATURE ROAD)
0.730	0.730	ROUTE END	N/A	TO END OF PAVEMENT

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0401: CEDAR GROVE RESIDENCE LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0400 AT MP 0.59 ON LEFT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0400 (CEDAR GROVE RESIDENCE ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0400 (CEDAR GROVE RESIDENCE ROAD)
0.010	0.010	INTERSECTION	LEFT	ROUTE 0914 (CEDAR GROVE MAINTENANCE AREA)
0.021	0.021	INTERSECTION	LEFT	ROUTE 0914 (CEDAR GROVE MAINTENANCE AREA)
0.030	0.030	INTERSECTION	LEFT	ROUTE 0914 (CEDAR GROVE MAINTENANCE AREA)
0.030	0.030	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.091	0.091	FIRE HYDRANT	LEFT	
0.147	0.147	FIRE HYDRANT	RIGHT	
0.189	0.189	FIRE HYDRANT	LEFT	
0.240	0.240	INTERSECTION	LEFT	ROUTE 0400 (CEDAR GROVE RESIDENCE ROAD)
0.240	0.240	INTERSECTION	RIGHT	ROUTE 0400 (CEDAR GROVE RESIDENCE ROAD)
0.240	0.240	ROUTE END	N/A	TO ROUTE 0400

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0402AZ: CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0205 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0205 (CEDAR GROVE NORTH SIDE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0205 (CEDAR GROVE NORTH SIDE ROAD)
0.000	0.000	SIGN	N/A	GUIDE, CAMPGROUND RANGER STATION
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.002	0.002	DROP INLET	LEFT	
0.006	0.010	CURB-AND-GUTTER	RIGHT	
0.019	0.033	CURB-AND-GUTTER	RIGHT	
0.020	0.020	FIRE HYDRANT	LEFT	
0.035	0.035	INTERSECTION	LEFT	ROUTE 0402AZ (CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD A)
0.038	0.038	SIGN	LEFT	REGULATORY, NOTICE EMPLOYEES ONLY
0.038	0.044	CURB-AND-GUTTER	RIGHT	
0.081	0.081	FIRE HYDRANT	LEFT	
0.171	0.171	INTERSECTION	LEFT	ROUTE 0402BZ (CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD B)
0.212	0.212	CULVERT	N/A	
0.226	0.226	CULVERT	N/A	
0.259	0.259	CULVERT	N/A	
0.344	0.344	INTERSECTION	LEFT	ROUTE 0402BZ (CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD B)
0.346	0.346	FIRE HYDRANT	RIGHT	
0.390	0.390	INTERSECTION	LEFT	ROUTE 0402AZ (CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD A)
0.390	0.390	INTERSECTION	RIGHT	ROUTE 0402AZ (CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD A)
0.390	0.390	ROUTE END	N/A	TO END OF LOOP

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0402BZ: CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0402AZ AT MP .17 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0402AZ (CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0402AZ (CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD A)
0.009	0.009	SIGN	RIGHT	GUIDE, NO ASHES
0.019	0.019	CULVERT	N/A	
0.090	0.090	INTERSECTION	LEFT	ROUTE 0402AZ (CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD A)
0.090	0.090	INTERSECTION	RIGHT	ROUTE 0402AZ (CEDAR GROVE VILLAGE RESIDENCE LOOP ROAD A)
0.090	0.090	ROUTE END	N/A	TO ROUTE 0402AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0411: GRANT GROVE RESIDENCE EAST LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0417ZZ
0.000	0.000	INTERSECTION	LEFT	ROUTE 0417AZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0417AZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD A)
0.007	0.007	SIGN	LEFT	GUIDE, RESIDENTIAL AREA ONLY
0.012	0.012	SIGN	RIGHT	WARNING, NOT A THROUGH STREET
0.058	0.058	CULVERT	N/A	
0.101	0.101	INTERSECTION	RIGHT	ROUTE 0415 (GRANT GROVE RESIDENCE UPPER LOOP)
0.102	0.102	CULVERT	N/A	
0.137	0.137	CULVERT	N/A	
0.190	0.190	CULVERT	N/A	
0.296	0.296	CULVERT	N/A	
0.318	0.318	CULVERT	N/A	
0.372	0.372	CULVERT	N/A	
0.430	0.430	INTERSECTION	LEFT	ROUTE 0417AZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD A)
0.430	0.430	INTERSECTION	RIGHT	ROUTE 0417AZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD A)
0.430	0.430	ROUTE END	N/A	TO ROUTE 0417ZZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0414: SWALE WORK CENTER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM END OF ROUTE 0212
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0212 (GRANT TREE ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0212 (GRANT TREE ROAD)
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.009	0.009	GATE	N/A	
0.010	0.010	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.016	0.016	SIGN	RIGHT	GUIDE, AUTHORIZED VEHICLES ONLY
0.016	0.016	SIGN	RIGHT	GUIDE, SWALE WORK CENTER
0.061	0.061	SIGN	RIGHT	REGULATORY, SPEED LIMIT 10
0.088	0.088	DROP INLET	LEFT	
0.121	0.121	CULVERT	N/A	
0.306	0.306	SIGN	RIGHT	REGULATORY, SPEED LIMIT 10
0.332	0.332	CULVERT	N/A	
0.336	0.336	INTERSECTION	RIGHT	ROUTE 0936B (SWALE WORK CENTER PARKING B)
0.338	0.338	INTERSECTION	LEFT	ROUTE 0936A (SWALE WORK CENTER PARKING A)
0.407	0.422	CURB	RIGHT	
0.434	0.449	CURB	RIGHT	
0.443	0.443	INTERSECTION	LEFT	ROUTE 0937 (ARROWHEAD INTERAGENCY HOTSHOT CREW PARKING)
0.449	0.449	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.450	0.450	SIGN	LEFT	GUIDE, ARROWHEAD INTERAGENCY HOTSHOT CREW
0.450	0.450	SIGN	LEFT	GUIDE, ESTABLISHED 1981
0.455	0.455	INTERSECTION	RIGHT	ROUTE 0414A (SWALE WORK CENTER LOOP A)
0.470	0.470	INTERSECTION	RIGHT	ROUTE 0414A (SWALE WORK CENTER LOOP A)
0.501	0.501	DROP INLET	LEFT	
0.522	0.522	INTERSECTION	LEFT	ROUTE 0414 (SWALE WORK CENTER ROAD)
0.684	0.684	SIGN	RIGHT	GUIDE, SEQUOIA LAKE 2 MI (3 KM)
0.820	0.820	INTERSECTION	LEFT	ROUTE 0414 (SWALE WORK CENTER ROAD)
0.820	0.820	INTERSECTION	N/A	ROUTE 0414 (SWALE WORK CENTER ROAD)
0.820	0.820	ROUTE END	N/A	TO END OF LOOP

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0414A: SWALE WORK CENTER LOOP A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0414 AT MP 0.46
0.000	0.000	INTERSECTION	LEFT	ROUTE 0414 (SWALE WORK CENTER ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0414 (SWALE WORK CENTER ROAD)
0.060	0.060	INTERSECTION	LEFT	ROUTE 0414 (SWALE WORK CENTER ROAD)
0.060	0.060	INTERSECTION	RIGHT	ROUTE 0414 (SWALE WORK CENTER ROAD)
0.060	0.060	ROUTE END	N/A	TO ROUTE 0414 AT MP 0.4

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0415: GRANT GROVE RESIDENCE UPPER LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0411 AT MP 0.10 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0411 (GRANT GROVE RESIDENCE EAST LOOP)
0.000	0.000	INTERSECTION	N/A	ROUTE 0411 (GRANT GROVE RESIDENCE EAST LOOP)
0.076	0.076	INTERSECTION	LEFT	ROUTE 0415 (GRANT GROVE RESIDENCE UPPER LOOP)
0.089	0.089	DROP INLET	LEFT	
0.120	0.120	INTERSECTION	LEFT	ROUTE 0415 (GRANT GROVE RESIDENCE UPPER LOOP)
0.120	0.120	INTERSECTION	N/A	ROUTE 0415 (GRANT GROVE RESIDENCE UPPER LOOP)
0.120	0.120	ROUTE END	N/A	TO END OF LOOP

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0417AZ: GRANT GROVE RESIDENCE LOWER LOOP ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0015 AT MP 3.10 ON RIGHT
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.000	0.000	INTERSECTION	LEFT	ROUTE 0015 (GRANT GROVE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0015 (GRANT GROVE ROAD)
0.018	0.018	INTERSECTION	LEFT	ROUTE 0417AZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD A)
0.032	0.032	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.116	0.116	DROP INLET	RIGHT	
0.160	0.160	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.170	0.170	SIGN	RIGHT	REGULATORY, STOP
0.176	0.176	INTERSECTION	RIGHT	ROUTE 0902 (GRANT GROVE MAINTENANCE AREA)
0.180	0.180	DROP INLET	RIGHT	
0.183	0.183	SIGN	RIGHT	WARNING, ONE LANE ROADS
0.183	0.183	SIGN	RIGHT	WARNING, 15 MPH
0.185	0.185	INTERSECTION	RIGHT	ROUTE 5000 (PARK ROAD / WILSONIA ROAD)
0.189	0.189	SIGN	RIGHT	REGULATORY, STOP
0.190	0.190	CULVERT	N/A	
0.198	0.198	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.198	0.198	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.206	0.206	INTERSECTION	RIGHT	ROUTE 0411 (GRANT GROVE RESIDENCE EAST LOOP)
0.215	0.215	CULVERT	N/A	
0.235	0.235	FIRE HYDRANT	RIGHT	
0.240	0.240	INTERSECTION	RIGHT	ROUTE 0417BZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD B)
0.248	0.248	CULVERT	N/A	
0.271	0.271	INTERSECTION	RIGHT	ROUTE 0417BZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD B)
0.274	0.274	DROP INLET	RIGHT	
0.316	0.316	FIRE HYDRANT	RIGHT	
0.353	0.353	CULVERT	N/A	
0.368	0.368	INTERSECTION	RIGHT	ROUTE 0411 (GRANT GROVE RESIDENCE EAST LOOP)
0.410	0.410	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.415	0.415	SIGN	RIGHT	GUIDE, RESIDENTIAL AREA ONLY
0.420	0.420	INTERSECTION	RIGHT	ROUTE 0417AZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD A)

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0417AZ: GRANT GROVE RESIDENCE LOWER LOOP ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.420	0.420	SIGN	RIGHT	REGULATORY, STOP
0.420	0.420	INTERSECTION	LEFT	ROUTE 0417AZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD A)
0.420	0.420	ROUTE END	N/A	END OF LOOP

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0417BZ: GRANT GROVE RESIDENCE LOWER LOOP ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0417AZ AT MP 0.24 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0417AZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0417AZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD A)
0.018	0.018	CULVERT	N/A	
0.039	0.039	CULVERT	N/A	
0.042	0.042	FIRE HYDRANT	RIGHT	
0.050	0.050	INTERSECTION	RIGHT	ROUTE 0417AZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD A)
0.050	0.050	INTERSECTION	LEFT	ROUTE 0417AZ (GRANT GROVE RESIDENCE LOWER LOOP ROAD A)
0.050	0.050	ROUTE END	N/A	TO ROUTE 0417AZ

KICA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0418: GRANT GROVE WATER TOWER ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0101 AT MP 0.17 ON RIGHT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0101 (PANORAMIC POINT ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0101 (PANORAMIC POINT ROAD)
0.005	0.005	SIGN	RIGHT	REGULATORY, STOP
0.011	0.011	DROP INLET	RIGHT	
0.024	0.024	SIGN	LEFT	GUIDE, RESIDENTIAL AREA ONLY
0.160	0.160	GATE	N/A	
0.388	0.388	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.410	0.410	INTERSECTION	N/A	ROUTE 0418 (GRANT GROVE WATER TOWER ACCESS ROAD)
0.410	0.410	ROUTE END	N/A	TO WATER TOWER

Kings Canyon National Park



Section 10 Appendix

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
AADT	(Annual Average Daily Traffic) The estimate of typical daily traffic on a road segment for all days of the week over the period of one year.
CRS	Condition Rating Sheets. (Section 5)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value from 61 to 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value from 85 to 94
IRI	International Roughness Index
Lane Width	Width from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MRR	Manually Rated Route
N/A	Not Applicable
NC	Not Collected
Paved Width	Width from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (Appendix B, Section 10)
Poor	Poor Rating with an index value of 60 or less
RCI	Roughness Condition Index
SADT	(Seasonal Annual Daily Traffic) The AADT adjusted to represent just the period of the year containing 80 percent of the total annual traffic.
SCR	Surface Condition Rating (Appendix B, 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 0 and 100 is ascribed to each 0.02 miles of road. This numerical rating is called a Pavement Condition Rating (PCR). A “perfect” road, newly constructed with no surface distresses and a smooth surface, would be assigned a PCR rating of 100. Based on the type, severity, and extent of surface distresses points are deducted from 100 to arrive at the final PCR.

Data is collected on the following distresses and conditions:

- **Alligator Cracking** - a series of interconnecting cracks resembling alligator skin or chicken wire, which can occur anywhere in the lane.
- **Longitudinal Cracking** - cracks which are parallel to the pavement centerline or asphalt lay-down direction.
- **Transverse Cracking** - cracks perpendicular to the pavement centerline.
- **Pothole (patch)** - a bowl-shaped hole in the pavement surface. May be patched or not.
- **Rutting** - surface depressions in the wheel paths.
- **Roughness** is collected as International Roughness Index (IRI) and is used in the PCR formula. Roughness is measured in inches of vertical displacement of the vehicle per mile traveled.

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

Calculation of Index Values

Note: Index values < 0 default to 0. Index values > 100 default to 100.

For all indices, a higher value indicates a better road condition, and a lower value indicates a poorer road condition.

All severity protocols are taken from the SHRP Distress Identification Manual.

Condition Ranges for all Indices

Excellent	>=95
Good	>=85 and <95
Fair	>60 and <85
Poor	<=60

Alligator Crack Index

$$AC_INDEX = 100 - 40 * [(\%LOW / 70) + (\%MED / 30) + (\%HI / 10)]$$

Where :

The values %LOW, %MED and %HI describe the percent of the total WX measured area that is affected by alligator cracking of each severity level. These values range from ≥ 0 to ≤ 100 .

$\%LOW$ = (Total square area WX measured low severity alligator cracking) / (Section length * WX measured lane width)

$\%MED = (\text{Total square area WX measured medium severity alligator cracking}) / (\text{Section length} * \text{WX measured lane width})$

$\%HI = (\text{Total square area WX measured high severity alligator cracking}) / (\text{Section length} * \text{WX measured lane width})$

The denominators 70, 30, and 10 are the maximum allowable extents for the numerator value in the same units. For example, low severity alligator cracking totaling 70% of the measured section area would alone fail that section of road for this index.

The threshold for failure for this index is $AC_INDEX = 60$.

Severity Levels:

Low severity alligator cracking describes an area of cracks with no or only a few connecting cracks; cracks are not spalled (cracked, broken, chipped, frayed along the cracks); pumping (water seepage from beneath the pavement through the cracks) is not evident. Any sealed alligator cracks are low severity alligator cracks, as long as the sealant is still in good condition. If the sealant has reopened, and the crack is visible and can be measured, the crack severity is assigned according to that measurement.

Medium severity alligator cracking describes an area of interconnected cracks forming a complete pattern; cracks may be slightly spalled; pumping is not evident.

High severity alligator cracking describes an area of moderately or severely spalled interconnected cracks forming a complete pattern; pieces may move when subjected to traffic; pumping may be evident.

Longitudinal Crack Index

$LC_INDEX = 100 - 40 * [(\%LOW / 350) + (\%MED / 200) + (\%HI / 75)]$

Where:

The values %LOW, %MED and %HI describe the length of longitudinal cracking of each severity as a percent of the section length. These values are ≥ 0 and can exceed 100.

$\%LOW = (\text{Total linear feet WX measured low severity longitudinal cracking}) / (\text{Section length in linear feet})$

$\%MED = (\text{Total linear feet WX measured medium severity longitudinal cracking}) / (\text{Section length in linear feet})$

$\%HI = (\text{Total linear feet WX measured high severity longitudinal cracking}) / (\text{Section length in linear feet})$

The denominators 350, 200, and 75 are the maximum allowable extents for the numerator value in the same units. For example, medium severity longitudinal cracking with a total length that is 200% of the length of the section would alone fail that section of road for this index.

The threshold for failure for this index is $LC_INDEX = 60$.

Severity Levels:

Low severity longitudinal cracks have a mean width $\leq 1/4''$, or are sealed cracks of indeterminate width whose sealant material is in good condition.

Medium severity longitudinal cracks have a mean width $> 1/4''$ and $\leq 3/4''$.

High severity longitudinal cracks have a mean width $> 3/4''$.

Transverse Crack Index

$$TC_INDEX = 100 - \{[20 * ((LOW / 15.1) + (MED / 7.5))] + [40 * (HI / 1.9)]\}$$

Where:

The values **LOW**, **MED** and **HI** describe a count of the total number of transverse cracks of each severity level, where one transverse crack unit is equal to the WX measured lane width. These values are ≥ 0 .

LOW = (Total linear feet WX measured low severity transverse cracking) / (WX measured lane width)

MED = (Total linear feet WX measured medium severity transverse cracking) / (WX measured lane width)

HI = (Total linear feet WX measured high severity transverse cracking) / (WX measured lane width)

The denominators **15.1**, **7.5**, and **1.9** are the maximum allowable extents for the numerator value in the same units. For example, high severity transverse cracking with a total length that amounts to 1.9 times the WX measured lane width would alone fail that section of road for this index.

The threshold for failure for this index is $TC_INDEX = 60$.

Severity Levels:

Low severity transverse cracks have a mean width $\leq \frac{1}{4}$ " , or are sealed cracks of indeterminate width whose sealant material is in good condition.

Medium severity transverse cracks have a mean width $> \frac{1}{4}$ " and $\leq \frac{3}{4}$ " .

High severity transverse cracks have a mean width $> \frac{3}{4}$ " .

Patching Index

$$PATCH_INDEX = 100 - 40 * (\%PATCHING / 80)$$

Where:

The value **%PATCHING** describes the percent of the total WX measured area that is affected by patching. This value ranges from ≥ 0 to ≤ 100 .

%PATCHING = (Total area WX measured patching) / (Section length * WX measured lane width)

The denominator **80** is the maximum allowable extent for the numerator value in the same units. Patching totaling 80% or more of the measured section area fails a section of road for this index.

The threshold for failure for this index is $PATCH_INDEX = 60$.

There are no severity levels for patching.

Rutting Index

$$RUT_INDEX = 100 - 40 * [(\%LOW / 160) + (\%MED / 80) + (\%HI / 40)]$$

Where:

10 ARAN rut depth measurements are taken per full .02 section for each of 2 wheel paths (left and right), resulting in a total of 20 measurements taken for both wheel paths. The values %LOW, %MED and %HI describe the number of ARAN rut depth measurements of both wheel paths in the section whose values are of each severity level, calculated as a percentage of the total number of ARAN rut depth measurements taken for a single wheel path in the section. These values range from ≥ 0 to ≤ 200 .

%LOW = (Total number of ARAN measured low severity ruts in section for both wheel paths) / (Total number of ARAN rut measurements in section for a single wheel path)

%MED = (Total number of ARAN measured medium severity ruts in section for both wheel paths) / (Total number of ARAN rut measurements in section for a single wheel path)

%HI = (Total number of ARAN measured high severity ruts in section for both wheel paths) / (Total number of ARAN rut measurements in section for a single wheel path)

The denominators 160, 80, and 40 are the maximum allowable extents for the numerator value in the same units. For example, low severity ruts recorded in 16 of the 20 total readings (or 160% of a full wheel path's worth of readings) for a full .02 section would fail that section for this index.

The threshold for failure for this index is RUT_INDEX = 60.

Severity Levels:

Ruts with an ARAN measured depth $< 0.20''$ are not included in the distress calculations.

Low severity ruts have an ARAN measured depth $\geq 0.20''$ and $\leq 0.49''$.

Medium severity ruts have an ARAN measured depth $\geq 0.50''$ and $\leq 0.99''$.

High severity ruts have an ARAN measured depth $\geq 1.00''$.

Roughness Condition Index

$$RCI = 32 * [5 * (2.718282 ^ (-0.0041 * AVG IRI))]$$

Where:

The value AVG IRI describes the average value of the Left IRI and Right IRI measurements for the section. This value can range from approximately 40 to over 1000.

$$AVG IRI = (ARAN \text{ measured Left IRI} + ARAN \text{ measured Right IRI}) / 2$$

There is no applicable threshold for failure for this index.

NOTE: Collection of roughness data is dependent 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.

Surface Condition Rating Index

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

Where:

See above for determinations of [AC_INDEX](#), [LC_INDEX](#), [TC_INDEX](#), [PATCH_INDEX](#) and [RUT_INDEX](#).

The threshold for failure for this index is $SCR = 60$.

Pavement Condition Rating Index Asphaltic Concrete Pavement (AS)

$$PCR = (0.60 * SCR) + (0.40 * RCI)$$

Where:

See above for determinations of [SCR](#) and [RCI](#).

The values [0.60](#) and [0.40](#) function as weights within the formula.

If [SCR](#) equals zero (which means that the road surface condition is very poor), then the formula simply reduces to: $PCR = 0.40 * RCI$.

If [RCI](#) equals zero (which means that this value was not available for some reason), then the formula becomes: $PCR = SCR$.

The threshold for failure for this index is $PCR = 60$.

Pavement Condition Rating Index Portland Cement Concrete Pavement (CO)

$$\text{Concrete PCR} = -0.0012(IRI^2) + 0.0499(IRI) + 99.542$$

Where:

The threshold for failure for this index is $PCR = 60$.

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

Under Construction 100

Excellent 97

Good 90

Fair 73

Poor 45

APPENDIX C: GENERAL INFORMATION ON RIP SYSTEMS

DMI (Distance Measuring Instrument)

The DMI (Distance Measuring Instrument) obtains road length measurements that are highly accurate (to 0.001 miles). The DMI is connected to the outside of the rear wheel on the driver's side, and is wired into the antilock braking system (ABS). The number of pulses recorded for each wheel rotation by the ABS is registered by the DMI, which transmits a measurement of distance traveled to the processing computers in the ARAN. The DMI distance measurements are the foundation to which all the other subsystems are tied.

Digital Image Information

All images collected in Cycle 4 are digital images in .jpg format. These images provide adequate resolution for identifying sign and feature inventories and pavement evaluations. The images can be viewed with an interactive software program called VisiData. Each park will receive a copy of the VisiData program. Cycle 4 data, as well as Cycle 3 data, can be viewed using the Visi-Data software program. This program is a 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 looking for. Associated digital right-of-way images from either the LAN, USB port, individual DVD can be presented along with GPS locations.

Right-of-way (ROW) Video

Three digital cameras are mounted above the vehicle's windshield that point directly forward and slightly to the left and right. These cameras each collect one image every 0.002 miles (10.56 feet) in the primary-direction lane, to give a panoramic field-of-view of about 160 degrees. (Forward-facing video from the center camera only is collected in the opposite-direction lane of travel.)

If data collection speed exceeds 35-40 mph, the network and storage computers may become overwhelmed and may begin to drop individual video frames. Occasional common video quality issues include sun glare and rapid changes between sunlight and shadow. The camera system is equipped with auto risers that sometimes cannot adjust quickly enough to collect optimal video images.

FHWA ARAN CAMERA SPECIFICATIONS	
Forward-Facing Cameras (ROW)	
Focal length	10 mm
Chip size	8.71mm X 6.90mm
Naming convention of each image	chainage.jpg
Image resolution	1300 X 1030
Image pixel size	depends on distance
Relative position of the GPS unit to each camera	2.104 meters from front-center rutbar to camera
<i>The ARAN has a lever arm setting which tells the POS system where the center of the rutbar is with respect to the GPS antennas.</i>	

Pavement Video

Pavement video images are collected by the data collection vehicle to use in later analysis to determine extents and severities of different types of pavement distress. The pavement in the primary-direction road lane is filmed continuously by two analog cameras attached to booms extended from the rear of the ARAN on the left and right sides. Strobe lights fire synchronously with the opening of the camera shutters to eliminate shadows and motion blur. The images from the two cameras overlap, and are stitched together in real time to create a continuous strip image of the pavement in the primary direction lane. This strip has a maximum width of 3.0 meters (actual width depends on pavement camera calibration) and is sectioned for ease of file management every 0.010 miles (52.8 feet).

The cameras both have a resolution of 640 x 480, making the threshold of visible pavement cracks about 3 mm. Because the cameras are triggered by time and not distance traveled, this subsystem requires a minimum operating speed of 6 mph, otherwise images are taken on top of one another and result in checkered or black pavement video.

FHWA ARAN CAMERA SPECIFICATIONS	
Pavement Cameras	
Image Pixel size	3.135 mm /side
Image Resolution	640 X 480
Area that images cover	1.5 m X 1.2 m
Full color or grayscale	grayscale
Vehicle speed limitations	80km/h
Aperture setting	Auto-iris
Exposure setting	1/50000

FHWA ARAN GPS & Inertial System

GPS is collected by a NovAtel MiLlennium, 12 channel, dual frequency L1/L2, DGPS ready receiver with a MiLlennium 502 GPS antenna. An OmniStar 3000 LR provides real-time differential correction. An Applanix POS/LV is the inertial system that fills in when GPS is unavailable. The antenna is mounted in the center of the roof, slightly toward the rear of the vehicle, but a lever arm is applied to place the operational location of GPS recording at the center of the rutbar on the front bumper of the vehicle. Expected accuracy under ideal conditions is sub meter.

GPS Collected on Manually Rated Routes

Parking areas and roads that are not fully drivable with the ARAN data collection vehicle are collected manually by field technicians. GPS is collected for these routes using GPS field data collection utilizes Trimble ProXRS or ProXH Receivers matched with Trimble TSC1 or Ranger handheld Data Loggers, connected to Trimble Hurricane Antennas giving sub meter accuracy in ideal conditions. This collection equipment has varied as technology has improved over the years of RIP data collection. Some GPS files collected as early as 1998 have been verified for accuracy and perpetuated through the current cycle of data collection.

GPS SHAPEFILES

Type of Route and Collection Shape Filename		
Roads driven by ARAN	Line	park_road_04.dbf/.shp/.shx
Parking Areas	Polygon	park_pkg_04.dbf/.shp/.shx
Roads Manually Rated as Lines (not in every park)	Line	park_mrl_04.dbf/.shp/.shx
Roads Manually Rated as Polygons (not in every park)	Polygon	park_mrp_04.dbf/.shp/.shx

- Datum for all GPS shapefiles is LL_WGS84_DD (Latitude Longitude _World Geodetic Survey 1984_Decimal Degrees)
- In filename, “park” is NPS four-letter alphabetic code.
- The source for route data required for data processing and report production is the PARK_RouteInfo.mdb.

Condition Photos Taken of Manually Rated Roads

One or more digital photos are taken by Canon Power Shot G2 4.0 Mega Pixel digital camera for each manually rated route in a National Park. They are stored in .jpg format named with the four-letter NPS park alphabetic code, route number, and the photo number assigned by the camera. For example, YOSE_0900_4434.jpg is the filename of the photo named 4434 by the camera that was taken of Yosemite National Park route 0900.

Scenic Photos

Scenic photos are taken by Canon Power Shot G2 4.0 Mega Pixel digital camera throughout each park and are named with the four-letter NPS park alphabetic code and the count of the photo taken in that park. For example, GRCA003.jpg is the filename of the third scenic photo taken in Grand Canyon National Park. The number of scenic photos provided will vary between parks.

APPENDIX D: METADATA

FHWA – NPS Road Inventory Program Cycle 4 Metadata

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

- MUTCD based on contents & colors of sign, not on size
- Database records that show a Portland Cement Concrete (CO) surface type sometimes include distress index values that seem to show a perfect roadway. Condition assessments on concrete pavements are not conducted for Alligator Cracking, Transverse or Longitudinal Cracking, Patching, or Rutting. Perfect values for concrete road sections for these indexes are default values and do not represent a condition assessment of the concrete surfaces.
- 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_Tenth 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.

- Roadway Data is collected in intervals of 0.010 miles (52.8feet) constituting a “station”.
- Most roadway features are collected relative to the primary direction lane of a roadway, using the primary-direction video and mileage. Signs and Mile Markers are the only features collected using the opposite-direction video with mileage location referenced to the primary direction lane of the roadway.
- Route_GPS table contains GPS positional information collected by the ARAN and post processed with Applanix POSPac Land 5.0 post-processing software. No manual adjustments have occurred on this table.
- Modifications to the Park_ROAD_04.dbf/.shp/.shx files may have been necessary for report esthetics.
- Modifications to the Park_PKG_04.dbf/.shp/.shx files may have been necessary for report esthetics.
- Cycle 4 utilizes the Microsoft Office 2003 suite of products and Crystal Reports XI for document and data file generation and reporting.
- All PDF files are in Adobe Acrobat 7.0 Professional format.
- All ArcGIS files are created using ESRI Version 9.x software.
- Thumbnail images are created at 1/10 original image size for Right-of-Way and Pavement Images.
- FHWA is investigating the rutting methodology and calculated values it currently reports. Equipment limitations and analysis methods may be over reporting, low severity rutting.

Key to Notes in Tables

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

(2): Shoulder width is measured at route start and every half-mile along the route in the primary direction. Width is the entire width of the drivable shoulder, regardless of the presence or absence of pavement, from the fog line to the shoulder hinge point, or if no fog line exists, from the edge of pavement to the hinge point. Identification of shoulder hinge point can be problematic using video analysis. Some paved ditches may be mistakenly recorded as shoulders where the shoulder hinge point and change in slope are not easily distinguished from the video.

(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.

(5): Condition assessments on concrete (PCC) pavements are not conducted for Alligator Cracking, Transverse or Longitudinal Cracking, Patching, or Rutting. Perfect values for concrete road sections for these indexes are default values and do not represent a condition assessment of the concrete surfaces.

(6): 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 resolutions. 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
1	RIP_CYCLE	XX	4, for data collection cycle 4	Route ID Meeting	FHWA Determination	100% Referenced to other tables
2	STATE	XX	State where route is located	Route ID Meeting	Park Input / FHWA Determination	100%, Referenced to other tables (1)
3	PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	100%, Referenced to other tables
4	PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	100%, Referenced to other tables
5	RTE_NO	9999XXX	Route number	Route ID Meeting	Park Input / FHWA Classification	100%, Referenced to other tables
6	RTE_NAME	(Text)	Route name	Route ID Meeting	Park Input	100%, Referenced to other tables. 100 characters fit in field
7	FUNCT_CLASS	X	Route functional classification	Route ID Meeting	Park Input / FHWA Classification	100%, Referenced to other tables
8	DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input / FHWA Determination	100%,
9	BEG_MP_EST	999.999 (miles)	Estimated starting MP	Route ID Meeting	Park Input / FHWA Determination	Estimated before data collected
10	END_MP_EST	999.999 (miles)	Estimated ending MP	Route ID Meeting	Park Input / FHWA Determination	Estimated before data collected
11	RTE_LENGTH	999.999 (miles)	Collected route length	ARAN Data Collection	Automatic Output	100%
12	FROM_DESC	(Text)	Beginning terminus of route	Route ID Meeting	Park Input / FHWA Determination	100% Referenced to other tables
13	TO_DESC	(Text)	Ending terminus of route	Route ID Meeting	Park Input / FHWA Determination	100% Referenced to other tables
14	NO_LANES	X	Number of lanes in route	ARAN Data Collection	Survey Crew Input	Untested. (1)
15	SURF_TYPE	XX	Surface type of route	ARAN Data Collection	Survey Crew Input	100%, Referenced to other tables (1)
16	COMP_DIR	XX	Compass direction of route's primary lane (nearest cardinal direction)	Route ID Meeting	Park Input / FHWA Determination	Untested
17	COMMENTS	(Text)	Special information, if any	Contractor Post-processing	Contractor Input	Untested
18	FILENAME	(Text)	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
19	SECTION	(Text)	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%

20	FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
21	DATE	MM/DD/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
22	BEG_MP	999.999 (miles)	Beginning MP collected	ARAN Data Collection	Automatic Output	100% (3)
23	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
1	RIP_CYCLE	XX	4, for data collection cycle 4	Route ID Meeting	FHWA Determination	100% Referenced to other tables
2	STATE	XX	State where route is located	Route ID Meeting	Park Input / FHWA Determination	Untested (1)
3	PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	100% Referenced to other tables
4	PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	100% Referenced to other tables
5	RTE_NO	9999XXX	Route number	Route ID Meeting	Park Input / FHWA Classification	100% Referenced to other tables
6	FMSS_EQUIP	XXXXXXXX	Facility Management Software System Equipment number	NPS FMSS application	NPS References	Untested
7	FUNCT_CLASS	X	Route functional class	Route ID Meeting	Park Input / FHWA Classification	100% Referenced to other tables
8	DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input / FHWA Determination	100%
9	MP	999.999 (miles)	Feature location along route	ARAN Data Collection/Contractor Post-processing	Video Analysis	<=0.001 mile
10	BEG_MP	999.999 (miles)	Feature Beginning location along route	Contractor Post-processing	Video Analysis	<=0.001 mile
11	END_MP	999.999 (miles)	Feature Ending location along route	Contractor Post-processing	Video Analysis	<=0.001 mile
12	FEATURE_LENGTH	999.99 (Feet)	Linear Feature Length	Contractor Post-processing	Database Processing	100%
13	EVENT	XXXX	Event category of feature	Contractor Post-processing	Video Analysis	Untested
14	EVENT_CODE	XXXX	Event sub-category of feature	Contractor Post-processing	Video Analysis	Untested
15	FEATURE_TYPE	(Text)	Feature designation: LINEAR or POINT	Contractor Post-processing	Video Analysis	Untested
16	EVENT_DESC	(Text)	Description of feature/contents of sign	Contractor Post-processing	Video Analysis	Untested
17	MUTCD	(Text)	MUTCD Code of Sign	Contractor Post-processing	Database Processing	95%
18	CONDITION	“N/A”	Sign condition. N/A. Not to be populated	Contractor Post-processing	Video Analysis	Values inaccurate, defaulted to “N/A”
19	COMMENT	(Text)	Sign label, intersecting route, etc.	Contractor Post-processing	Database Processing	Untested
20	OFFSET	“N/A”	Offset from Road Edge. N/A. Not to be populated	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to “N/A”

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
21	SIDE	(Text)	Side of route relative to lane driven	Contractor Post-processing	Video Analysis	95%
22	STR_NUMBER	(Text)	FHWA bridge structure number	FHWA Post-processing	Database Processing	Untested
23	BARR_MAT	(Text)	Barrier Material Type	Contractor Post-processing	Video Analysis	Untested
24	BARR_TYPE	(Text)	Barrier Type	Contractor Post-processing	Video Analysis	Untested
25	BARR_POST_MAT	(Text)	Barrier Post Materials	Contractor Post-processing	Video Analysis	Untested
26	BARR_BEG_TERM	(Text)	Barrier Approach Treatment	Contractor Post-processing	Video Analysis	Untested
27	BARR_END_TERM	(Text)	Barrier End Treatment	Contractor Post-processing	Video Analysis	Untested
28	CURB_MAT	(Text)	Curb Material Type	Contractor Post-processing	Video Analysis	Untested
29	PAVED_DITCH_MAT	(Text)	Paved Ditch Material Type	Contractor Post-processing	Video Analysis	Untested (2)
30	GATE_MAT	(Text)	Gate Material Type	Contractor Post-processing	Video Analysis	Untested
31	GATE_STYLE	(Text)	Gate Style	Contractor Post-processing	Video Analysis	Untested
32	BEG_GPS_LAT	999.999999	GPS Latitude Co-ordinate (decimal degrees)	Contractor Post-processing	Video Analysis	<= 3.00 feet
33	BEG_GPS_LON	-999.999999	GPS Longitude Co-ordinate (-decimal degrees)	Contractor Post-processing	Video Analysis	<= 3.00 feet
34	BEG_GPS_ELEV	99999.9	GPS Elevation Feet	Contractor Post-processing	Video Analysis	Untested
35	BEG_GPS_MODE	(Text)	GPS Satellite Mode	Contractor Post-processing	Video Analysis	Untested
36	END_GPS_LAT	999.999999	GPS Latitude Co-ordinate (decimal degrees)	Contractor Post-processing	Video Analysis	<= 3.00 feet
37	END_GPS_LON	-999.999999	GPS Longitude Co-ordinate (-decimal degrees)	Contractor Post-processing	Video Analysis	<= 3.00 feet
38	END_GPS_ELEV	99999.9	GPS Elevation Feet	Contractor Post-processing	Video Analysis	Untested
39	END_GPS_MODE	(Text)	GPS Satellite Mode	Contractor Post-processing	Video Analysis	Untested
40	DATUM	(Text)	LL_WGS84_DD	Contractor Post-processing	Database Processing	100%
41	VIDEO	<Park>C04VID<#>	Removable USB video hard drive number	Contractor Post-processing	Database Processing	Untested
42	IMAGE	(Text)	Filename of .jpg image showing feature	Contractor Post-processing	Automatic Output	Untested
43	DATE	MM/DD/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
44	FILENAME	(Text)	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
45	SECTION	(Text)	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
46	FKEY	(Numeric)	Unique record ID	Contractor Post-processing	Database Processing	100%
47	VISI_FROM	999999 (millimiles)	Raw MP of first video frame showing feature	Contractor Post-processing	Database Processing	Untested
48	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
49	IDKEY	(Text)	Unique record ID used by VisiData	Contractor Post-processing	Database Processing	Untested
50	MP_REF	(Text)	Range of mileage to play in VisiData	Contractor Post-processing	Database Processing	Untested

List of Roadway Features						
#	EVENT	EVENT_CODE	FEATURE_TYPE	EVENT_DESC	STRUCTURE #	COLLECTED BY
1	BRIDGE	BRDG	LINEAR	BRIDGE	ALWAYS	ARAN
2	CATTLE GUARD	CGD	POINT	CATTLE GUARD	-	VIDEO RATING
3	CONSTRUCTION	CNST	LINEAR	CONSTRUCTION WORK ZONE	-	ARAN
4	CULVERT	CUL	POINT	CULVERT	SOMETIMES	ARAN
5	CURB	CRBL	LINEAR	CURB ON LEFT	-	VIDEO RATING
	""	CRBR	LINEAR	CURB ON RIGHT	-	VIDEO RATING
6	CURB-AND-GUTTER	CAGL	LINEAR	CURB-AND-GUTTER ON LEFT	-	VIDEO RATING
	""	CAGR	LINEAR	CURB-AND-GUTTER ON RIGHT	-	VIDEO RATING
7	DROP INLET	DINL	POINT	DROP INLET ON LEFT	-	ARAN
	""	DINR	POINT	DROP INLET ON RIGHT	-	ARAN
8	GATE	GATE	POINT	GATE	-	VIDEO RATING
9	FIRE HYDRANT	FHDL	POINT	FIRE HYDRANT ON LEFT	-	VIDEO RATING
	""	FHDR	POINT	FIRE HYDRANT ON RIGHT	-	VIDEO RATING
10	GUARD/GUIDE WALL	GGWL	LINEAR	GUARD/GUIDE WALL ON LEFT	-	VIDEO RATING
	""	GGWR	LINEAR	GUARD/GUIDE WALL ON RIGHT	-	VIDEO RATING
11	GUARD/GUIDE RAIL	GGRL	LINEAR	GUARD/GUIDE RAIL ON LEFT	-	VIDEO RATING
	""	GGRR	LINEAR	GUARD/GUIDE RAIL ON RIGHT	-	VIDEO RATING
12	INTERSECTION	INTL	POINT	INTERSECTION ON LEFT	-	ARAN
	""	INTR	POINT	INTERSECTION ON RIGHT	-	ARAN
	""	INTN	POINT	INTERSECTION SIDE N/A	-	ARAN

13	LANE DEVIATION	LADV	LINEAR	LANE DEVIATION	-	ARAN
14	LOW WATER CROSSING	LWCR	LINEAR	LOW WATER CROSSING	SOMETIMES	VIDEO RATING
15	MILE MARKER	MML	POINT	MILE MARKER ON LEFT	-	VIDEO RATING
	""	MMR	POINT	MILE MARKER ON RIGHT	-	VIDEO RATING
16	OVERPASS	OPV	POINT	OVERPASS VEHICULAR	SOMETIMES	ARAN
	""	OPP	POINT	OVERPASS PEDESTRIAN	SOMETIMES	ARAN
	""	OPRX	POINT	OVERPASS RAILROAD CROSSING	SOMETIMES	ARAN
17	PARK BOUNDARY	PRK	POINT	PARK BOUNDARY	-	ARAN
18	PAVED DITCH	PVDL	LINEAR	PAVED DITCH ON LEFT	-	VIDEO RATING
	""	PVDR	LINEAR	PAVED DITCH ON RIGHT	-	VIDEO RATING
19	PULLOUT	PLOL	LINEAR	PULLOUT ON LEFT	-	VIDEO RATING
	""	PLOR	LINEAR	PULLOUT ON RIGHT	-	VIDEO RATING
20	RAILROAD CROSSING	RRX	POINT	RAILROAD CROSSING	-	VIDEO RATING
21	RETAINING WALL	RTWL	LINEAR	RETAINING WALL ON LEFT	-	VIDEO RATING
	""	RTWR	LINEAR	RETAINING WALL ON RIGHT	-	VIDEO RATING
22	ROUTE BEGIN	RBEG	POINT	ROUTE BEGIN	-	ARAN
23	ROUTE END	REND	POINT	ROUTE END	-	ARAN
24	SIGN	REGU, WARN, GUID, UNKN	POINT	DOCUMENT CONTENTS OF SIGN. (WHAT THE SIGN SAYS) FOR GRAPHICS ONLY SIGNS POPULATED WITH ("GRAPHIC SIGN, NO TEXT") FOR UNREADABLE TEXT POPULATED WITH ("UNABLE TO READ FROM VIDEO")	-	VIDEO RATING
25	STATE BOUNDARY	STB	POINT	STATE BOUNDARY	-	ARAN
26	TRAFFIC LIGHT	TRF	POINT	TRAFFIC LIGHT	-	VIDEO RATING
27	TUNNEL	TUN	LINEAR	TUNNEL	ALWAYS	ARAN

PMS_20, PMS_MILE, & PMS_TENTH Tables Metadata:

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	RIP_CYCLE	XX	4, for RIP data collection Cycle 4	Route ID Meeting	FHWA Determination	100% Referenced to other tables
2	STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
3	PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	100% Referenced to other tables
4	PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	100% Referenced to other tables
5	RTE_NO	9999XXX	Route number	Route ID Meeting	Park Input/FHWA Classification	100% Referenced to other tables
6	FUNCT_CLASS	X	Route functional class	Route ID Meeting	Park Input/FHWA Classification	100% Referenced to other tables
7	DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	100%
8	BEG_MP	999.999 (miles)	MP at start of road interval described by database record	Contractor Post-processing	Database Processing	100% (3)
9	END_MP	999.999 (miles)	MP at end of road interval described by database record	Contractor Post-processing	Database Processing	100% (3)
10	INT_LENGTH	999.9 (ft)	Length of road interval as aggregated for data table	Contractor Post-processing	Database Processing	100%
11	RTE_LENGTH	999.999 (miles)	Collected route length	ARAN Data Collection	Automatic Output	100% (3)
12	NO_LANES	99	Number of lanes in route	ARAN Data Collection	Survey Crew Input	Untested. (1)
13	LANE_NO	99	Data collection lane	Contractor Post-processing	Database Processing	Untested
14	D_LANE_WIDTH	99.999 (ft)	WiseCrax (crack detection software) analysis width	Contractor Post-processing	Automatic Output	Untested
15	LANE_WIDTH	99.9 (ft)	Width of lane	Contractor Post-processing	Video Analysis	95%, <=1.0 foot
16	PAVE_WIDTH	99.9 (ft)	Full pavement width	Contractor Post-processing	Video Analysis	95%, <=1.0 foot
17	SHLD_WIDTH_L	99.9 (ft)	Left shoulder width	Contractor Post-processing	Video Analysis	95%, <=1.0 foot (2)
18	SHLD_WIDTH_R	99.9 (ft)	Right shoulder width	Contractor Post-processing	Video Analysis	95%, <=1.0 foot (2)
19	SHLD_COND_L	N/A	N/A. Intended to be Left shoulder condition	ARAN Data Collection	Survey Crew Input	Values inaccurate, defaulted to "N/A"
20	SHLD_COND_R	N/A	N/A. Intended to be Right shoulder condition	ARAN Data Collection	Survey Crew Input	Values inaccurate, defaulted to "N/A"
21	DRAIN_COND_L	N/A	N/A. Intended to be Left drainage condition	ARAN Data Collection	Survey Crew Input	Values inaccurate, defaulted to "N/A"
22	DRAIN_COND_R	N/A	N/A. Intended to be Right drainage condition	ARAN Data Collection	Survey Crew Input	Values inaccurate, defaulted to "N/A"

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
23	SURF_TYPE	XX	Surface type of route	ARAN Data Collection	Survey Crew Input	Untested. (1)
24	PCR	999	Pavement Condition Rating	Contractor Post-processing	Database Processing	100% for calculation (6)
25	RCI	999	Roughness Condition Index; -1 if invalid IRI	Contractor Post-processing	Database Processing	100% for calculation
26	SCR	999	Surface Condition Rating	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
27	IRI_AVG	999.9 (inches/mile)	Average IRI	Contractor Post-processing	Database Processing	Untested
28	IRI_SD	999.9 (inches/mile)	IRI standard deviation	Contractor Post-processing	Database Processing	Untested
29	IRI_L	999.9 (inches/mile)	Left wheel path IRI	ARAN Data Collection	Automatic Output	Untested
30	IRI_R	999.9 (inches/mile)	Right wheel path IRI	ARAN Data Collection	Automatic Output	Untested
31	IRI_FLAG	0 or -1	-1 if invalid IRI data	Contractor Post-processing	Database Processing	Untested
32	RUT_INDEX	999	Rut index	Contractor Post-processing	Database Processing	100% for calculation (5)
33	RUT_AVG	99.99 (inches)	Average rut depth of both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
34	RUT_MAX	99.99 (inches)	Maximum rut depth of both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
35	RUT_SD	9.9	Rut depth standard deviation	Contractor Post-processing	Database Processing	Untested (5)
36	RUT_LOW	999 (%)	Percent of low severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
37	RUT_MED	999 (%)	Percent of medium severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
38	RUT_HI	999 (%)	Percent of high severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
39	XFALL	999.9 (% slope)	Cross fall at start of road interval	ARAN Data Collection	Automatic Output	Untested
40	GRADE	999.9 (% slope)	Grade at start of road interval	ARAN Data Collection	Automatic Output	Untested
41	AC_INDEX	999	Alligator cracking index	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
42	AC_LOW	999.9999 (%)	Percent of WiseCrax measured lane area with low-severity alligator cracking	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
43	AC_MED	999.9999 (%)	Percent of WiseCrax measured lane area with medium-severity alligator cracking	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
44	AC_HI	999.9999 (%)	Percent of WiseCrax measured lane area with high-severity alligator	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
			cracking			
45	LC_INDEX	999	Longitudinal cracking index	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
46	LC_LOW	999.99 (%)	Low-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
47	LC_MED	999.99 (%)	Medium-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
48	LC_HI	999.99 (%)	High-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
49	TC_INDEX	999	Transverse cracking index	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
50	TC_LOW	999.99 (cracks)	Count of low-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
51	TC_MED	999.99 (cracks)	Count of medium-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
52	TC_HI	999.99 (cracks)	Count of high-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
53	PATCH_INDEX	999	Patching index	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
54	PATCHING	999.9999 (%)	Percent of WiseCrax measured lane area affected by patching	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
55	GPS_LAT	999.999999	Latitude coordinate	ARAN Data Collection	Automatic Output	<= 3.00 feet
56	GPS_LON	-999.999999	Longitude coordinate	ARAN Data Collection	Automatic Output	<= 3.00 feet
57	GPS_ELEV	99999.9	Elevation	ARAN Data Collection	Automatic Output	Untested
58	GPS_MODE	XXX	GPS Satellite Mode during collection	ARAN Data Collection	Automatic Output	Untested
59	DATUM	(Text)	LL_WGS84_DD	ARAN Data Collection	Database Processing	100%
60	VIDEO	<Park>C04VID<#>	Removable USB video hard	Contractor Post-processing	Database Processing	Untested

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
			drive number			
61	IMAGE	(Text)	Filename of .jpg image showing road interval	Contractor Post-processing	Automatic Output	Untested
62	SPEED	999 (miles/hour)	Average ARAN speed during data collection	ARAN Data Collection	Automatic Output	Untested
63	BRIDGE_FLAG	0 or 1	Flag indicating presence of bridge in interval	ARAN Data Collection	Survey Crew Input	Untested
64	CONSTR_FLAG	0 or 1	Flag indicating construction in interval	ARAN Data Collection	Survey Crew Input	Untested
65	LANEDEV_FLAG	0 or 1	Flag indicating lane deviation in interval	ARAN Data Collection	Survey Crew Input	Untested
66	DATE	MM/DD/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
67	NODISTRESS	0 OR 1	Flag indicating absence of pavement distress	Contractor Post-processing	Database Processing	100%
68	FILENAME	(Text)	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
69	SECTION	(Text)	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
70	FKEY	(Numeric)	Unique record ID	Contractor Post-processing	Database Processing	100%
71	CONTRACTOR1	(Numeric)	Raw MP of first video frame in section	Contractor Post-processing	Database Processing	Untested
72	CONTRACTOR2	(Numeric)	Raw MP of last video frame in section	Contractor Post-processing	Database Processing	Untested
73	CONTRACTOR3	(Text)	Unique record ID used by VisiData	Contractor Post-processing	Database Processing	Untested
74	CONTRACTOR4	(Text)	Range of mileage to play in VisiData	Contractor Post-processing	Database Processing	Untested

ROUTE_GPS table metadata:

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	RIP_CYCLE	XX	4, for RIP data collection Cycle 4	Route ID Meeting	FHWA Determination	100% referenced to other tables
2	STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested
3	PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	100% Referenced to other tables
4	PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	100% Referenced to other tables
5	RTE_NO	9999XXX	Route number	Route ID Meeting	Park Input/FHWA Classification	100% Referenced to other tables
6	FUNCT_CLASS	X	Route functional classification	Route ID Meeting	Park Input/FHWA Classification	100% Referenced to other tables
7	RTE_NAME	(Text)	Route name	Route ID Meeting	Park Input	100% Referenced to other tables . 100 characters fit in field
8	LANE_NUMBER	99	Data collection lane	Contractor Post-processing	Database Processing	Untested
9	DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
10	MP	999.999	Mile Post (at 0.01 record)	ARAN Data Collection, Contractor Post-processing	Survey Crew Input/GPS Processing	Untested (3)
11	GPS_LAT	999.999999	GPS Latitude Co-ordinate (decimal degrees)	ARAN Data Collection, Contractor Post-processing	Automatic Output	<= 3.00 feet
12	GPS_LON	-999.999999	GPS Longitude Co-ordinate (-decimal degrees)	ARAN Data Collection, Contractor Post-processing	Automatic Output	<= 3.00 feet
13	GPS_ELEV	99999.9	Elevation	ARAN Data Collection, Contractor Post-processing	Automatic Output	Untested
14	GPS_MODE	XXX	GPS Satellite Mode during collection	ARAN Data Collection, Contractor Post-processing	Automatic Output	Untested
15	XFALL	999.9	Cross Fall: % Slope at GPS Location (Caution, Data not Validated)	ARAN Data Collection, Contractor Post-processing	Automatic Output	Untested
16	GRADE	999.9	Grade: % Slope at GPS Location (Caution, Data not Validated)	ARAN Data Collection, Contractor Post-processing	Automatic Output	Untested
17	HEADING	999.9	Heading Relative to True North	ARAN Data Collection	Automatic Output	Untested
18	DATUM	(Text)	LL_WGS84_DD	ARAN Data Collection	Database Processing	Untested
19	FILENAME	(Text)	Filename of raw data files	ARAN Data Collection	Automatic Output	Untested
20	FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	Untested

21	DATE	MM/DD/YY	ARAN Data Collection Date	ARAN Data Collection	Automatic Output	Untested
22	COMMENT	(Text)	Source of Any Digitized Data	ARAN Data Collection	Database Processing	Untested
23	CONTRACTOR1	(Numeric)	Visi_from	Contractor Post-processing	Database Processing	Untested
24	CONTRACTOR2	(Numeric)	Visi_to	Contractor Post-processing	Database Processing	Untested
25	CONTRACTOR3	(Text)	Visi_dir (ipdated to chapter 1)	Contractor Post-processing	Database Processing	Untested
26	CONTRACTOR4	(Text)	Comments/exceptions	Contractor Post-processing	Database Processing	Untested

FHWA "Route ID Program" Database

Database Name: ROUTEINFO.mdb

Table Name: ROUTE_ID

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	ROUTE_IDENT	XXXX-9999XXX	The Park's Alpha Code + "-" + RTE_NO (below).	Route ID Meeting	Automatic Output	100%, Reference source for all tables
2	RIP_CYCLE	99	4, for RIP data collection Cycle 4	Route ID Meeting	FHWA Determination	100%, Reference source for all tables
3	PARK_ALPHA	XXXX	Park Alpha Code	Route ID Meeting	NPS References	100%, Reference source for all tables
4	GROUP_ALPHA	XXXX	Group Alpha Code	Route ID Meeting	NPS References	100%, Reference source for all tables
5	PARK_NO	9999	Park Numeric Code	Route ID Meeting	NPS References	100%, Reference source for all tables
6	PARK_NAME	(text)	NPS Name of Park	Route ID Meeting	NPS References	100%, Reference source for all tables
7	RTE_NO	9999XXX	Route Number	Route ID Meeting	Park Input	100%, Reference source for all tables
8	RTE_NAME	(Text)	Route Name	Route ID Meeting	Park Input	100%, Reference source for all tables
9	FROM_DESC	(Text)	Beginning terminus of route	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
10	TO_DESC	(Text)	Ending terminus of route	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
11	INSP_DATE	MM/DD/YYYY	Collection Date	ARAN Data Collection	FHWA Determination	100%, Reference source for all tables
12	FUNCT_CLASS	XX	Functional Class	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
13	STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested (1)
14	STATE2	XX	Additional State Park Route traverses	Route ID Meeting	Park Input/FHWA Determination	Untested (1)
15	FMSS_NO	(Text)	NPS's Facility Management Software System (FMSS) Asset number	Route ID Meeting	Park Input	100%, Reference source for all tables
16	FMSS_SUR_EQP	(Text)	FMSS Surface Equipment Number	Route ID Meeting	Park Input	Untested
17	M_DISTRICT	(Text)	Park Maintenance District Route resides in	Route ID Meeting	Park Input	100%, Reference source for all tables (1)
18	TOPOGRAPHY	(Text)	Predominate Terrain condition for	Route ID Meeting	FHWA Determination	100%, Reference source for all

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
			Route. (FLAT, ROLLING, MOUNTAINOUS, or URBAN)			tables (1)
19	POSTED_SPEED	99	Posted Speed Limit for Route (Value is Predominate Speed Limit along Route)	Route ID Meeting	Park Input/FHWA Determination	Untested (1)
20	ARAN_ROUTE	XXX	Yes/No	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
21	PARKING_AREA	XXX	Yes/No	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
22	CONCESSION	XXX	Yes/No	Route ID Meeting	Park Input	100%, Reference source for all tables
23	PAVED_MI	999.999	Paved mileage (to the nearest 0.001)	ARAN Data Collection	Automatic Output	100%, Reference source for all tables
24	UNPAVED_MI	999.999	Unpaved mileage (to the nearest 0.001)	Route ID Meeting	Automatic Output	100%, Reference source for all tables
25	RTE_LENGTH	999.999	Official Route Length	Contractor Post-processing	Automatic Output	100%, Reference source for all tables
26	SURF_TYPE	XX	Surface type (PAVED: AS (asphalt, includes composite), CO (concrete), BR (brick/pavers), CB (cobblestone), OT (other))	Route ID Meeting	Survey Crew Input	100%, Reference source for all tables (1)
27	UNPAVED	XXXX	Unpaved Route (Yes/No/Both)	Route ID Meeting	Automatic Output	100%, Reference source for all tables
28	UNPAVED_CAT	XXX	Unpaved Road Category	Route ID Meeting	Automatic Output	Untested
29	CURB	(Text)	Parking Area with Curb around perimeter.	Route ID Meeting	Park Input/FHWA Determination	Untested
30	CURB_GUTTER	(Text)	Parking Area with Curb and Gutter around perimeter.	Route ID Meeting	Park Input/FHWA Determination	Untested
31	ADJ_ROUTE	9999XXX	Route number	Route ID Meeting	Automatic Output	100%, Reference source for all tables
32	USER_ACCESS	(Text)	Access Designation for Parking	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
33	PHOTO_NO	(Text)	Photo or Image	Route ID Meeting	Survey Crew Input	100%, Reference source for all tables
34	PLOT_SIZE	(Text)	Unpaved Parking Area Size	Route ID Meeting	Automatic Output	100%, Reference source for all tables
35	SQ_FEET	999.999	Route Square Footage	Contractor Post-processing	Automatic Output	100%, Reference source for all tables
36	M_RATING	(Text)	Manual Rating	Route ID Meeting	Automatic Output	100%, Reference source for all tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
37	SQ_YARDS	999.999	Route Square Yardage	Contractor Post-processing	Automatic Output	100%, Reference source for all tables
38	LANES	XX	Route travel lanes	Route ID Meeting	Automatic Output	Untested (1)
39	PAVE_WIDTH	999.99	Pavement Width (Weighted average)	RIP Post-processing	Automatic Output	100% Referenced to other tables
40	LANE_MILES	999.999	Route Equivalent Lane Miles	RIP Post-processing	Automatic Output	100%, Reference source for all tables
41	AREA_MAP	(Text)	1 or 2-digit number	Contractor Post-processing	FHWA/Contractor Input	100%, Reference source for all tables
42	REMARKS	(Memo)	General remarks on Park route and data collection operations.	Contractor Post-processing	FHWA/Contractor Input	Untested
43	SUMMARY_REC	XXXX-9999XXX	ROUTE_IDENT of summary Park Asset	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
44	NPS_REGION	(Text)	Park Region	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
45	DIVISION	(Text)	FHWA Division	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
46	PCR	999.99	Route Weighted Average PCR value	RIP Post-processing	Automatic Output	100% Referenced to other tables
47	SCR	999.99	Route Weighted Average SCR value	RIP Post-processing	Automatic Output	100% Referenced to other tables
48	AADT	999	Average Adjusted Daily Traffic	RIP	Automatic Output	Untested
49	SADT	999	Seasonal Adjusted Daily Traffic	RIP	Automatic Output	Untested
50	ADT_DATE	MM/DD/YYYY	Traffic Date of Collection	RIP	Automatic Output	Untested
51	BEG_LAT	999.999999	Route Begin GPS Latitude Coordinate (decimal degrees)	ARAN Data Collection	Automatic Output	<= 3.00 feet, Referenced from other tables
52	BEG_LON	-999.999999	Route Begin GPS Longitude Coordinate (-decimal degrees)	ARAN Data Collection	Automatic Output	<= 3.00 feet, Referenced from other tables
53	BEG_ELEV	99999.9	Route Begin Elevation	ARAN Data Collection	Automatic Output	100% Referenced to other tables
54	BEG_MODE	XXX	Route Begin GPS Satellite Mode during collection	ARAN Data Collection	Automatic Output	100% Referenced to other tables
55	END_LAT	999.999999	Route End GPS Latitude Coordinate (decimal degrees)	ARAN Data Collection	Automatic Output	<= 3.00 feet, Referenced from other tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
56	END_LON	-999.999999	Route End GPS Longitude Co-ordinate (-decimal degrees)	ARAN Data Collection	Automatic Output	<= 3.00 feet, Referenced from other tables
57	END_ELEV	99999.9	Route End Elevation	ARAN Data Collection	Automatic Output	100% Referenced to other tables
58	END_MODE	XXX	Route End GPS Satellite Mode during collection	ARAN Data Collection	Automatic Output	100% Referenced to other tables
59	DATUM	(Text)	LL_WGS84_DD	ARAN Data Collection	Automatic Output	100% Referenced to other tables
60	CHILD_ROUTE	XXX	Yes/No	Route ID Meeting	Automatic Output	100% Reference source for all tables
61	CULVERT_CNT	999	Route Culvert Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
62	DROP_INLET_CNT	999	Route Drop Inlet Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
63	GATE_CNT	999	Route Gate Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
64	TRAFLIGHT_CNT	999	Route Traffic Light Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
65	SIGN_CNT	999	Route Sign Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
66	LWCROSS_CNT	999	Route Low Water Crossing Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
67	BRIDGE_CNT	999	Route Bridge Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
68	TUNNEL_CNT	999	Route Tunnel Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
69	PULLOUT_CNT	999	Route Pullout Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
70	INTERSEC_CNT	999	Route Intersection Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
71	ST_BNDRY_CNT	999	Route State Boundary Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
72	PRK_BNDRY_CNT	999	Route Park Boundary Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
73	RETWALL_CNT	999	Route Retaining Wall Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
74	RR_CROSS_CNT	999	Route RR Crossing Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
75	CATTLE_CNT	999	Route Cattle Guard Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
76	OVHDSIGN_CNT	999	Route Overhead Sign Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
77	MILEMARK_CNT	999	Route Mile Marker Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
78	FHYD_CNT	999	Route Fire Hydrant Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
79	OVERPASS_CNT	999	Route Overpass Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
80	CABLE_TLNG	9999.999 (ft)	Route Total Length Cable Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
81	GDRAIL_TLNG	9999.999 (ft)	Route Total Length Guard/Guide Rail Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
82	GDWALL_TLNG	9999.999 (ft)	Route Total Length Guard/Guide Wall Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
83	TEMP_BARR_TLNG	9999.999 (ft)	Route Total Length Temporary Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
84	BOLLARD_TLNG	9999.999 (ft)	Route Total Length Bollard Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
85	BARRIER_TLNG	9999.999 (ft)	Route Total Length All Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
86	CURB_TLNG	9999.999 (ft)	Route Total Length Curbing (excludes Parking Areas)	RIP Post-processing	Automatic Output	100% Referenced to other tables
87	LWCROSS_TLNG	9999.999 (ft)	Route Total Length Low Water Crossings	RIP Post-processing	Automatic Output	100% Referenced to other tables
88	PAVDITCH_TLNG	9999.999 (ft)	Route Total Length Paved Ditch	RIP Post-processing	Automatic Output	100% Referenced to other tables (2)
89	TURNOUT_TLNG	9999.999 (ft)	Route Total Length Turnouts	RIP Post-processing	Automatic Output	100% Referenced to other tables
90	LANE_NUMBER	99	Number of Lane Tested	RIP Post-processing	Automatic Output	100% Referenced to other tables
91	LOCAL_FACTOR	9.9999	Park Location Factor	NPS Partner	Automatic Output	100% Reference source for all tables
92	E_ZONE	XXX	Route Environmental Zone	FHWA HPMA	Automatic Output	100% Reference source for all tables
93	PAVEMENT_DM	\$99,999,999.99	Pavement Deferred Maintenance	FHWA HPMA	Automatic Output	100% Reference source for all tables
94	CRV	\$99,999,999.99	Current Replacement Value	RIP Post-processing	Automatic Output	100% Reference source for all tables

Database Name: ROUTEINFO.mdb

Table Name: PARK_TOTALS

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	RIP_CYCLE	99	4, for RIP data collection Cycle 4	Route ID Meeting	FHWA Determination	100% Referenced to other tables
2	PARK_ALPHA	XXXX	Park Alpha Code	Route ID Meeting	FHWA Determination	100% Referenced to other tables
3	GROUP_ALPHA	XXXX	Group Alpha Code	Route ID Meeting	NPS References	100% Referenced to other tables
4	PARK_NO	9999	Park Numeric Code	Route ID Meeting	NPS References	100% Referenced to other tables
5	PARK_NAME	XXXX	NPS Name of Park	Route ID Meeting	NPS References	100% Referenced to other tables
6	INSP_DATE	MM/DD/YYYY	Date that data was collected in the park (completion date).	Route ID Meeting and ARAN Data Collection	FHWA Determination	100% Referenced to other tables
7	NPS_REGION	XXXX	Park Region	Route ID Meeting	Park Input	100% Referenced to other tables
8	DIVISION	XXXX	FHWA Division	Route ID Meeting	FHWA Determination	100% Referenced to other tables
9	T_PAVED_MI	999.999	Total Park Paved Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
10	T_UNPAVED_MI	999.999	Total Park Unpaved Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
11	T_ROUTE_MILES	999.999	Total Park Route Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
12	T_ARAN_DRIVEN	999.999	Total Park ARAN Driven Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
13	T_ARAN_LMILES	999.999	Total Park ARAN Lane Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
14	T_CONCESS_PAVED	999.999	Total Park Concession Paved Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
15	T_CONCESS_UNPAVED	999.999	Total Park Concession Unpaved Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
16	T_PRK_PAVEDSQFT	999.999	Total Park Parking Paved Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
17	T_PRK_UNPAVEDSQFT	999.999	Total Park Parking Unpaved Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
18	T_CPRK_PAVEDSQFT	999.999	Total Park Concession Parking Paved Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
19	T_CPRK_UNPAVEDSQFT	999.999	Total Park Concession Parking Unpaved Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
20	T_PARKING_SQFT	999.999	Total Park Parking Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
21	T_PARKING_LMILES	999.999	Total Park Parking Equivalent Lane Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
22	T_MRR_SQFT	999.999	Total Park Manually Rated Road Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
23	T_CMRR_SQFT	999.999	Total Park Concession Manually Rated Road Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
24	T_MRR_LMILES	999.999	Total Park Manually Rated Road Equivalent Lane Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
25	T_LMILES	999.999	Total Park Lane Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
26	T_CULVERT_CNT	999	Total Park Culvert Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
27	T_DROP_INLET_CNT	999	Total Park Drop Inlet Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
28	T_GATE_CNT	999	Total Park Gate Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
29	T_TRAFLIGHT_CNT	999	Total Park Traffic light Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
30	T_SIGN_CNT	999	Total Park Sign Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
31	T_LWCROSS_CNT	999	Total Park Low Water Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
32	T_BRIDGE_CNT	999	Total Park Bridge Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
33	T_TUNNEL_CNT	999	Total Park Tunnel Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
34	T_PULLOUT_CNT	999	Total Park Pullout Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
35	T_INTERSEC_CNT	999	Total Park Intersections Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
36	T_ST_BNDRY_CNT	999	Total Park State Boundaries Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
37	T_PRK_BNDRY_CNT	999	Total Park Boundaries Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
38	T_RETWALL_CNT	999	Total Park Retaining Wall Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
39	T_RR_CROSS_CNT	999	Total Park RR Crossing Count	RIP Post-processing	Automatic Output	100% Referenced to other

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
						tables
40	T_CATTLE_CNT	999	Total Park Cattle Guard Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
41	T_OVHDSIGN_CNT	999	Total Park Overhead Sign Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
42	T_MILEMARK_CNT	999	Total Park Mile Marker Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
43	T_FHYD_CNT	999	Total Park Fire Hydrant Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
44	T_OVERPASS_CNT	999	Total Park Overpass Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
45	T_CABLE_TLNG	9999.999 (ft)	Total Length Park Cable Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
46	T_GDRAIL_TLNG	9999.999 (ft)	Total Length Park Guard/Guide Rail Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
47	T_GDWALL_TLNG	9999.999 (ft)	Total Length Park Guard/Guide Wall Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
48	T_TEMP_BARR_TLNG	9999.999 (ft)	Total Length Park Temporary Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
49	T_BOLLARD_TLNG	9999.999 (ft)	Total Length Park Bollard Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
50	T_BARRIER_TLNG	9999.999 (ft)	Total Length All Park Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
51	T_CURB_TLNG	9999.999 (ft)	Total Length Park Curbing	RIP Post-processing	Automatic Output	100% Referenced to other tables
52	T_LWCROSS_TLNG	9999.999 (ft)	Total Length Park Low Water Crossings	RIP Post-processing	Automatic Output	100% Referenced to other tables
53	T_PAVDITCH_TLNG	9999.999 (ft)	Total Length Park Paved Ditches	RIP Post-processing	Automatic Output	100% Referenced to other tables (2)
54	T_TURNOUT_TLNG	9999.999 (ft)	Total Length Park Turnouts	RIP Post-processing	Automatic Output	100% Referenced to other tables
55	PARK_PCR	99.99	Overall Park PCR Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
56	PARK_RCI	99.99	Overall Park RCI Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
57	PARK_SCR	99.99	Overall Park SCR Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
58	PARK_RUT_INDEX	99.99	Overall Park Rutting Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
59	PARK_AC_INDEX	99.99	Overall Park Alligator Cracking Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
60	PARK_LC_INDEX	99.99	Overall Park Longitudinal Cracking Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
61	PARK_TC_INDEX	99.99	Overall Park Transverse Cracking Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
62	PARK_PATCH_INDEX	99.99	Overall Park Patching Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
63	PARK_CONC_PCR	99.99	Overall Park Concession PCR Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables