KICA
Cycle 6

Final Report

Road Inventory and Condition Assessment of Paved Routes
Kings Canyon National Park

Federal Lands Highway
Road Inventory Program

Prepared By:
Federal Highway Administration
Eastern Federal Lands Highway Division
Road Inventory Program (RIP)

Report Date: January 2016

Kings Canyon National Park
in
California

Sources: Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors
Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

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Section 1
Introduction

Kings Canyon National Park

Federal Lands Highway
Road Inventory Program

Introduction

The Federal Highway Administration's (FHWA), Road Inventory Program (RIP) inventories all roads and parking areas in the National Park System, and performs condition inspections on all paved roads and parking areas for the National Park Service (NPS). This report contains the results of the Cycle 6 condition assessment of paved roads and parking lots for this park unit. This assessment was done using an automated, state-of-the-art pavement inspection vehicle as well as manual ratings. This information represents the condition of the paved assets at the time of the inspection. The pavement management system utilized by FHWA and the NPS uses these assessments to estimate future conditions and help prioritize pavement maintenance and rehabilitation projects. Further information about RIP data and its role in managing paved roads and bridges can be obtained by contacting the NPS Regional Transportation Program Manager.

A History of the Road Inventory Program:

The FHWA, in the mid-1970s, was charged with the task of identifying surface condition deficiencies and corrective priorities on NPS roads and parkways. Additionally, FHWA was tasked with establishing an integrated maintenance features inventory, locating features such as culverts, guardrails, and signs, among others, along NPS roads and parkways. As a result, in 1976 the NPS and FHWA entered into a Memorandum of Agreement (MOA) which established the RIP. This MOA was revised in 1980 to update RIP data collection standards and develop a long-range program to improve and maintain NPS roads to designated condition standards and establish a pavement management program.

The FHWA completed the initial phase of inventory in the early 1980s. As a result of this effort, each NPS unit included in the collection received a RIP Report known as the "Brown Book" which contained information that was inventoried during this first RIP phase. In the 1990s, a cyclical program was developed, and since then five cycles of collection have been completed. Cycle 6 is currently in progress. A summary of the RIP collection cycles is shown in the table below.

Cycle	Years	Parks Collected
Cycle 1	1994 - 1997	° 44 Large Parks
Cycle 2	1997 - 2001	° 79 Large Parks ° 5 Small Parks
Cycle 3	2001 - 2004	° All Large Parks ° All Small Parks
Cycle 4	2006 - 2010	° 86 Large Parks ° Several Small Parks
Cycle 5	2010 - 2014	° All Large Parks (Only functional class 1, 2, 7, and new/modified routes collected) ° All Small Parks (all roads and parking areas collected)
Cycle 6	2014 – 2020 (±)	° All roads and parking areas collected at all Parks ° Additional partial collections of functional class 1, 2, and 7 roads at Large Parks ° Cycle 6 is expected to last 6 years

Note: Large Parks have ≥ 10 Paved Miles; Small Parks have < 10 Paved Miles

Since 1984, the Road Inventory Program has been funded through the Federal Lands Highway Park Roads and Parkways (PRP) Program. Currently, coordination of the RIP with Federal Lands Highway (FLH) is under the NPS Washington Headquarters Park Facility Management Division. 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) requiring the FHWA and NPS, to develop by rule, a Pavement Management System (PMS) applied to park roads and parkways serving the National Park System.

In 2012, the Moving Ahead for Progress in the 21st Century Act (MAP-21) amended Title 23 U.S.C., and under Section 203(c)(1-2) stated that the National Park Service in cooperation with the DOT/FHWA, shall maintain a comprehensive national inventory of their transportation facilities, with the goal of quantifying transportation infrastructure needs within the National Park System.

A History of the Pavement Management System:

In 2005, the FHWA began implementing the use of a pavement management system to assist the NPS in prioritizing Pavement Maintenance and Rehabilitation activities. The system used by FHWA is the Highway Pavement Management Application (HPMA), which has the ability to store inventory and condition data from RIP and forecast future performance using prediction models. Outputs include performance and condition reports at the National, Regional, Park, or Route level. Regional prioritized lists and optimizations have been produced for most regions, and the Service's overall roadway Deferred Maintenance is calculated via the HPMA.

Overview of Cycle 6:

Cycle 6 launched in the spring of 2014 and will again comprise all NPS park units that are served by paved roads and/or parking areas. For Cycle 6, all paved roads (approximately 5,700 miles) and parking areas will be collected in all parks at least once, while the primary routes (functional class 1, 2, and 7 roads) at Large Parks will have additional collections. These multiple collections will provide updated condition data on a majority of the NPS's primary road network and help build a better pavement management system, allowing for more accurate pavement performance prediction models.

FLH is responsible for the accuracy of all data presented in this report. Any questions or comments concerning the contents of this report should be directed to the national RIP Coordinator located in Sterling, Virginia.

Respectfully,

FHWA RIP Team

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Section 2
Park Route Inventory

Kings Canyon National Park

Federal Lands Highway
Road Inventory Program

Cycle 6 NPS / RIP Route ID Report

Report Date: 01/19/2016

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

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= Concession Route

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KICA *Kings Canyon National Park*

ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0010	6	1	73857		GENERALS HIGHWAY HISTORIC	FROM BORDER OF SEQUOIA NATIONAL PARK AND NATIONAL FOREST (END OF SEQUOIA NATIONAL PARK ROUTE 0010)	TO ROUTE 0015 (GRANT GROVE ROAD)	GRANT GROVE	13.21	0.00	13.21	1		AS	1
0011	6	1	73050		CEDAR GROVE ROAD	FROM WEST PARK BOUNDARY	TO END OF LOOP	CEDAR GROVE	7.58	0.00	7.58	1		AS	2,3
0015	6	1	73052		GRANT GROVE ROAD	FROM SOUTHWEST PARK BOUNDARY	TO NORTH PARK BOUNDARY	GRANT GROVE	4.70	0.00	4.70	1		AS	1,1A
0101	6	1	73054		PANORAMIC ROAD	FROM ROUTE 0015 (GRANT GROVE ROAD) ON RIGHT	TO ROUTE 0932 (PANORAMIC POINT PARKING)	GRANT GROVE	2.31	0.00	2.31	2		AS	1,1A
0200	NC		73084		CEDAR GROVE MOTOR NATURE ROAD	FROM ROUTE 0011 (CEDAR GROVE ROAD)	TO END OF ROUTE 0400Z (CEDAR LANE)	CEDAR GROVE	0.00	3.30	3.30	4		GR	
0205	6	1	73056		NORTH SIDE ROAD	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	TO ROUTE 0011 (CEDAR GROVE ROAD)	CEDAR GROVE	1.56	0.00	1.56	2		AS	2
0206ZZ	6	1	73059		SHEEP CREEK CAMPGROUND ROADS	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	THROUGH CAMPGROUND	CEDAR GROVE	1.43	0.00	1.43	3		AS	2
0207ZZ	6	1	73060		SENTINEL CAMPGROUND ROADS	FROM ROUTE 0205 (NORTH SIDE ROAD) ON RIGHT	THROUGH CAMPGROUND	CEDAR GROVE	1.16	0.00	1.16	3		AS	2
0208ZZ	6	1	73062		CANYON VIEW CAMPGROUND ROADS	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	THROUGH CAMPGROUND	CEDAR GROVE	0.84	0.00	0.84	3		AS	2
0209ZZ	6	1	73063		MORAINE CAMPGROUND ROADS	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	THROUGH CAMPGROUND	CEDAR GROVE	1.49	0.00	1.49	3		AS	2
0212	6	1	73065		GRANT TREE ROAD	FROM INTERSECTION OF ROUTE 0015 (GRANT GROVE ROAD) AND ROUTE 0217 (CRYSTAL SPRINGS ROAD)	TO ROUTE 0912 (GRANT TREE PARKING)	GRANT GROVE	0.77	0.00	0.77	2		AS	1A
0216ZZ	6	1	73066		AZALEA CAMPGROUND ROADS	FROM ROUTE 0212 (GRANT TREE ROAD) ON LEFT	THROUGH CAMPGROUND	GRANT GROVE	1.74	0.00	1.74	3		AS	1A

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Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0217	6	1	73067		CRYSTAL SPRINGS ROAD	FROM ROUTE 0015 (GRANT GROVE ROAD) ON RIGHT	TO ROUTE 0101 (PANORAMIC ROAD)	GRANT GROVE	0.28	0.00	0.28	2		AS	1A
0218ZZ	6	1	73068		CRYSTAL SPRINGS CAMPGROUND ROADS	FROM ROUTE 0217 (CRYSTAL SPRINGS ROAD) ON LEFT	THROUGH CAMPGROUND	GRANT GROVE	1.14	0.00	1.14	3		AS	1A
0220ZZ	6	1	73069		SUNSET CAMPGROUND ROADS	FROM ROUTE 0015 (GRANT GROVE ROAD) ON LEFT	THROUGH CAMPGROUND	GRANT GROVE	1.31	0.00	1.31	3		AS	1A
0231	NC		73086		REDWOOD SADDLE ROAD	FROM ROUTE 0010 (GENERALS HIGHWAY HISTORIC)	TO WEST PARK BOUNDARY	GRANT GROVE	0.00	1.29	1.29	4		GR	
0400ZZ	6	1	73070		CEDAR GROVE RESIDENCE ROADS	FROM ROUTE 0205 (NORTH SIDE ROAD) ON LEFT	TO ROUTE 0200 (CEDAR GROVE MOTOR NATURE ROAD)	CEDAR GROVE	0.97	0.00	0.97	5		AS	2
0402ZZ	6	1	73072	■	PICNIC ESTATES HOUSING ROADS	FROM ROUTE 0205 (NORTH SIDE ROAD) ON LEFT	THROUGH RESIDENTIAL AREA	CEDAR GROVE	0.48	0.00	0.48	5		AS	2
0403	NC		73088		HELIPORT SERVICE ROAD	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON RIGHT	TO HELIPORT	CEDAR GROVE	0.00	0.76	0.76	6		GR	
0404	6	1	73090		CANYON VIEW SERVICE ROAD	FROM ROUTE 0011 (CEDAR GROVE ROAD)	TO END	CEDAR GROVE	0.04	0.19	0.23	6		AS	3
0408	NC		73093		LEWIS CREEK RESIDENCE ROAD	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	TO END	CEDAR GROVE	0.00	0.20	0.20	6		GR	
0411ZZ	6	1	73074		GRANT GROVE RESIDENCE LOOPS	FROM ROUTE 0015 (GRANT GROVE ROAD) ON RIGHT	THROUGH RESIDENTIAL AREA	GRANT GROVE	1.04	0.00	1.04	5		AS	1A
0414ZZ	6	1	73075		SWALE WORK CENTER ROADS	FROM END OF ROUTE 0212 (GRANT TREE ROAD)	THROUGH WORK CENTER AREA	GRANT GROVE	0.88	0.00	0.88	6		AS	1A
0418	6	1	73080		WATER TANK ROAD	FROM ROUTE 0101 (PANORAMIC ROAD) ON RIGHT	TO WATER TOWER	GRANT GROVE	0.41	0.00	0.41	6		AS	1A
0419	6	1	73082	■	TRAILER RESIDENCE ROAD	FROM ROUTE 0101 (PANORAMIC ROAD)	TO END	GRANT GROVE	0.23	0.00	0.23	5		AS	1A
0425	NC		73097		PARK RIDGE ROAD	FROM ROUTE 0101 (PANORAMIC ROAD)	TO LOOKOUT TOWER	GRANT GROVE	0.00	2.86	2.86	6		GR	

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Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0426	NC		114561		LEWIS CREEK SEWAGE TREATMENT PLANT SERVICE ROAD	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	TO END	CEDAR GROVE	0.00	0.14	0.14	6		GR	
0427	6	1	73137		CEDAR GROVE WATER TANK ROAD	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	TO END	CEDAR GROVE	0.15	0.00	0.15	6		AS	2

NON-NPS ROADS INVENTORY

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
5000	4	1			PARK ROAD / WILSONIA ROAD	FROM ROUTE 0015 (GRANT GROVE ROAD)	TO ROUTE 0411ZZ (GRANT GROVE RESIDENCE LOOPS)		0.63	0.00	0.63			AS	1A
5001	4	1			LILAC LANE	FROM ROUTE 5000 (PARK ROAD / WILSONIA ROAD)	TO END OF PAVEMENT		0.23	0.00	0.23			AS	1A
5002	4	1			HAZEL LANE	FROM LAUREL LANE	TO FERN LANE		0.29	0.00	0.29			AS	1A

PARKING AREA INVENTORY (1300 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	Access Level	Area (SQ FT)	Surf. Type	Area Map
0900	6	1	73099		BIG STUMP PICNIC PARKING AREA	FROM ROUTE 0015 (GRANT GROVE ROAD) (SOUTH) ON LEFT	TO PARKING	GRANT GROVE	PUBLIC	36,569	AS	1
0901	6	1	73101		KINGS CANYON OVERLOOK PARKING	FROM ROUTE 0010 (GENERALS HIGHWAY HISTORIC) ON RIGHT	TO ROUTE 0010 (GENERALS HIGHWAY HISTORIC) ON RIGHT	GRANT GROVE	PUBLIC	7,973	AS	1
0902	6	1	73103		MAINTENANCE AREA PARKING (PINE CAMP COURT)	FROM ROUTE 0411ZZ (GRANT GROVE RESIDENCE LOOPS)	TO MAINTENANCE AREA AND HOUSING AREA	GRANT GROVE	NONPUBLIC	55,475	AS	1A

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PARKING AREA INVENTORY (1300 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	Access Level	Area (SQ FT)	Surf. Type	Area Map
0903	6	1	73104		SUNSET AMPHITHEATER PARKING	FROM ROUTE 0220ZZ (SUNSET CAMPGROUND ROADS)	TO PARKING	GRANT GROVE	PUBLIC	21,891	AS	1A
0904ZZ	6	1	73105	■	CONCESSION PARKING - THE PLAZA	FROM ROUTE 0015 (GRANT GROVE ROAD) ON RIGHT AND ROUTE 0101 (PANORAMIC ROAD)	TO PARKING AREAS	GRANT GROVE	PUBLIC	55,629	AS	1A
0910ZZ	6	1	73111	■	JOHN MUIR LODGE/ MEADOW CAMP PARKING	FROM ROUTE 0101 (PANORAMIC ROAD) AND ROUTE 0217 (CRYSTAL SPRINGS ROAD)	TO PARKING	GRANT GROVE	PUBLIC	37,708	AS	1A
0911	6	1	73135		COLUMBINE PICNIC PARKING AREA	ADJACENT TO ROUTE 0212 (GRANT TREE ROAD) ON LEFT		GRANT GROVE	PUBLIC	4,728	AS	1A
0912	6	1	73136		GRANT TREE PARKING	FROM END OF ROUTE 0212 (GRANT TREE ROAD)	TO PARKING	GRANT GROVE	PUBLIC	50,958	AS	1A
0914	6	1	73139		CEDAR GROVE MAINTENANCE AREA	FROM ROUTE 0400ZZ (CEDAR GROVE RESIDENCE ROADS)	TO ROUTE 0400ZZ (CEDAR GROVE RESIDENCE ROADS)	CEDAR GROVE	NONPUBLIC	16,522	AS	2
0915	NC		104963		CEDAR GROVE CORRAL PARKING	FROM ROUTE 0400ZZ (CEDAR GROVE RESIDENCE ROADS)	TO PARKING	CEDAR GROVE	PUBLIC	4,880	GR	
0916ZZ	6	1	73140	■	CEDAR GROVE VILLAGE / PICNIC PARKING	FROM ROUTE 0205 (NORTH SIDE ROAD	TO ROUTE 0402ZZ (PICNIC ESTATES HOUSING ROADS)	CEDAR GROVE	PUBLIC	78,942	AS	2
0918ZZ	6	1	73142		CEDAR GROVE VISITOR CENTER PARKING AREAS	FROM ROUTE 0207ZZ (SENTINEL CAMPGROUND ROADS)	TO PARKING	CEDAR GROVE	PUBLIC	38,038	AS	2
0922	6	1	73147		CANYON VIEW PARKING	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	TO ROUTE 0011 (CEDAR GROVE ROAD)	CEDAR GROVE	PUBLIC	6,768	AS	2
0923	6	1	73148		KNAPP'S CABIN PARKING	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	TO ROUTE 0011 (CEDAR GROVE ROAD)	CEDAR GROVE	PUBLIC	9,268	AS	3
0924	6	1	73150		ROARING RIVER FALLS PARKING	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON RIGHT	TO ROUTE 0011 (CEDAR GROVE ROAD)	CEDAR GROVE	PUBLIC	9,437	AS	3
0927	6	1	73604		ZUMWALT MEADOW PARKING	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON RIGHT	TO ROUTE 0011 (CEDAR GROVE ROAD)	CEDAR GROVE	PUBLIC	13,033	AS	3

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0928ZZ	6	1	73606		ROAD'S END PARKING LOTS	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT AND RIGHT	TO PARKING	CEDAR GROVE	PUBLIC	89,073	AS	3
0932	6	1	73613		PANORAMIC POINT PARKING	FROM END OF ROUTE 0101 (PANORAMIC ROAD)	TO PARKING	GRANT GROVE	PUBLIC	11,577	AS	1
0933	NC		104961		GRANT GROVE CORRAL PARKING	ADJACENT TO ROUTE 0015 (GRANT GROVE ROAD) ON LEFT		GRANT GROVE	PUBLIC	4,880	GR	
0934	6	1	73614		REDWOOD CANYON OVERLOOK PARKING	FROM ROUTE 0010 (GENERALS HIGHWAY HISTORIC) ON LEFT	TO ROUTE 0010 (GENERALS HIGHWAY HISTORIC)	GRANT GROVE	PUBLIC	9,895	AS	1
0936ZZ	6	1			SWALE WORK CENTER PARKING AREAS	FROM ROUTE 0414ZZ (SWALE WORK CENTER ROADS) ON LEFT AND RIGHT	TO PARKING	GRANT GROVE	NONPUBLIC	4,784	AS	1A

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Cycle 6 Summary Totals for Kings Canyon National Park

Cycle 6 Route Totals

	NPS Maintained	Concessionaire Maintained	Park Totals
Paved Roads, Data Collection Vehicle Rated (Miles)	42.82	0.48	**43.31**
Paved Roads, Manually Rated Length (Miles)	0.18	0.23	**0.41**
Paved Roads, Manually Rated Area (Sq. Ft.)	0	0	**0**
Unpaved Roads (Miles)	8.74	0	**8.74**
Paved Parking (Sq. Ft.)	385,989	172,279	**558,268**
Unpaved Parking (Sq. Ft.)	9,760	0	**9,760**

Cycle 6 Lane Miles and Overall Pavement Condition

	Lanes Miles*	Pavement Condition Rating**
Data Collection Vehicle Routes	78.60	84
Manually Rated Roads	0.47	48
Parking Areas	9.61	61

* Equivalent Lane Miles are calculated by route using the following equations:
- DCV and MRLs = (PAVE_WIDTH x PAVED_MI) / 11 foot lane
- MRPs and PKGs = SQ_FEET / 5280 / 11 foot lane

**Parking and Manually Rated Routes are assigned the following PCR values based on the type of observed distresses:
-Excellent = 97 -Good = 90 -Fair = 73
-Poor = 53, 30, or 0 -Construction / Not Rated = -1

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General Park Road Functional Classification (FC) Table

FC	Type	User Access	Description	Route Numbers
1	Principal Park Road Rural Parkway	Public	Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Rural Parkways (e.g. Natchez Trace) are numbered 0001 - 0009.	0001 - 0009 0010 - 0099
2	Connector Park Road	Public	Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc.	0100 - 0199
3	Special Purpose Park Road	Public	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.	0200 - 0299
4	Primitive Park Road	Public	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. Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.	0200 - 0299
5	Administrative Park Road	Public	All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas.	0400 - 0499
6	Administrative Park Road (Restricted Access)	Nonpublic	All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. 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.	0400 - 0499
7	Urban Parkway	Public	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.	0001 - 0009
8	City Street	Public	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.	0600 - 0699
N/A	Non-NPS Roads	Public	State, County, or City owned roads which border, traverse, or provide access to Park Facilities or Locations. Non-NPS roads are not assigned functional classes and are driven for GPS and Video Log only.	5000 - 5999

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

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

The historic route numbering system also included a 300 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.

Report Date: 01/19/2016

NPS / RIP Subcomponent Details for KICA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

White = Paved Routes, DCV Driven

Grey = Paved Routes, DCV not Driven

Black = Paved Routes, Non-NPS

= Concession Route

Yellow = Unpaved Routes, DCV not Driven

Blue = Paved Parking Areas

Green = Unpaved Parking Areas

Red text denotes:

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DCV = Data Collection Vehicle
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NC = Not Collected

KICA *Kings Canyon National Park*

SUMMARY ROUTE INVENTORY FOR ROADS (1100 SERIES FMSS LOCATIONS)

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0206ZZ	73059	6	1		SHEEP CREEK CAMPGROUND ROADS	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	THROUGH CAMPGROUND	1.43	0.00	1.43	3	
0207ZZ	73060	6	1		SENTINEL CAMPGROUND ROADS	FROM ROUTE 0205 (NORTH SIDE ROAD) ON RIGHT	THROUGH CAMPGROUND	1.16	0.00	1.16	3	
0208ZZ	73062	6	1		CANYON VIEW CAMPGROUND ROADS	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	THROUGH CAMPGROUND	0.84	0.00	0.84	3	
0209ZZ	73063	6	1		MORAINE CAMPGROUND ROADS	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	THROUGH CAMPGROUND	1.49	0.00	1.49	3	
0216ZZ	73066	6	1		AZALEA CAMPGROUND ROADS	FROM ROUTE 0212 (GRANT TREE ROAD) ON LEFT	THROUGH CAMPGROUND	1.74	0.00	1.74	3	
0218ZZ	73068	6	1		CRYSTAL SPRINGS CAMPGROUND ROADS	FROM ROUTE 0217 (CRYSTAL SPRINGS ROAD) ON LEFT	THROUGH CAMPGROUND	1.14	0.00	1.14	3	
0220ZZ	73069	6	1		SUNSET CAMPGROUND ROADS	FROM ROUTE 0015 (GRANT GROVE ROAD) ON LEFT	THROUGH CAMPGROUND	1.31	0.00	1.31	3	
0400ZZ	73070	6	1		CEDAR GROVE RESIDENCE ROADS	FROM ROUTE 0205 (NORTH SIDE ROAD) ON LEFT	TO ROUTE 0200 (CEDAR GROVE MOTOR NATURE ROAD)	0.97	0.00	0.97	5	
0402ZZ	73072	6	1	■	PICNIC ESTATES HOUSING ROADS	FROM ROUTE 0205 (NORTH SIDE ROAD) ON LEFT	THROUGH RESIDENTIAL AREA	0.48	0.00	0.48	5	
0411ZZ	73074	6	1		GRANT GROVE RESIDENCE LOOPS	FROM ROUTE 0015 (GRANT GROVE ROAD) ON RIGHT	THROUGH RESIDENTIAL AREA	1.04	0.00	1.04	5	
0414ZZ	73075	6	1		SWALE WORK CENTER ROADS	FROM END OF ROUTE 0212 (GRANT TREE ROAD)	THROUGH WORK CENTER AREA	0.88	0.00	0.88	6	

NPS / RIP Subcomponent Details for KICA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

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Grey = Paved Routes, DCV not Driven
Black = Paved Routes, Non-NPS
= Concession Route
Yellow = Unpaved Routes, DCV not Driven
Blue = Paved Parking Areas
Green = Unpaved Parking Areas

Red text denotes:
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NC = Not Collected

KICA *Kings Canyon National Park*

SUMMARY ROUTE INVENTORY FOR PARKING AREAS (1300 SERIES FMSS LOCATIONS)

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description		User Access	Area (SQ FT)
						From	To		
0904ZZ	73105	6	1	■	CONCESSION PARKING - THE PLAZA	FROM ROUTE 0015 (GRANT GROVE ROAD) ON RIGHT AND ROUTE 0101 (PANORAMIC ROAD)	TO PARKING AREAS	PUBLIC	55,629
0910ZZ	73111	6	1	■	JOHN MUIR LODGE/ MEADOW CAMP PARKING	FROM ROUTE 0101 (PANORAMIC ROAD) AND ROUTE 0217 (CRYSTAL SPRINGS ROAD)	TO PARKING	PUBLIC	37,708
0916ZZ	73140	6	1	■	CEDAR GROVE VILLAGE / PICNIC PARKING	FROM ROUTE 0205 (NORTH SIDE ROAD	TO ROUTE 0402ZZ (PICNIC ESTATES HOUSING ROADS)	PUBLIC	78,942
0918ZZ	73142	6	1		CEDAR GROVE VISITOR CENTER PARKING AREAS	FROM ROUTE 0207ZZ (SENTINEL CAMPGROUND ROADS)	TO PARKING	PUBLIC	38,038
0928ZZ	73606	6	1		ROAD'S END PARKING LOTS	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT AND RIGHT	TO PARKING	PUBLIC	89,073
0936ZZ		6	1		SWALE WORK CENTER PARKING AREAS	FROM ROUTE 0414ZZ (SWALE WORK CENTER ROADS) ON LEFT AND RIGHT	TO PARKING	NONPUBLIC	4,784

NPS / RIP Subcomponent Details for KICA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

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Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas

= Concession Route

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PKG = Parking Areas
NC = Not Collected

KICA *Kings Canyon National Park*

KICA-0206ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0206AZ	73059	6	1		SHEEP CREEK CAMPGROUND ROAD A	FROM ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B) ON RIGHT	TO END OF LOOP	0.49	0.00	0.49	3	
0206BZ	73059	6	1		SHEEP CREEK CAMPGROUND ROAD B	FROM ROUTE 0011 (CEDAR GROVE ROAD)	TO END OF LOOP	0.47	0.00	0.47	3	
0206CZ	73059	6	1		SHEEP CREEK CAMPGROUND ROAD C	FROM ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A) ON LEFT	TO ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)	0.07	0.00	0.07	3	
0206DZ	73059	6	1		SHEEP CREEK CAMPGROUND ROAD D	FROM ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A) ON RIGHT	TO ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)	0.08	0.00	0.08	3	
0206EZ	73059	6	1		SHEEP CREEK CAMPGROUND ROAD E	FROM ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A) ON LEFT	TO ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)	0.11	0.00	0.11	3	
0206FZ	73059	6	1		SHEEP CREEK CAMPGROUND ROAD F	FROM ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A) ON LEFT	TO ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)	0.14	0.00	0.14	3	
0206GZ	73059	6	1		SHEEP CREEK CAMPGROUND ROAD G	FROM ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B) ON RIGHT	TO ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)	0.09	0.00	0.09	3	

NPS / RIP Subcomponent Details for KICA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

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Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas

■ = Concession Route

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KICA *Kings Canyon National Park*

KICA-0207ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0207AZ	73060	6	1		SENTINEL CAMPGROUND ROAD A	FROM ROUTE 0205 (NORTH SIDE ROAD) ON RIGHT	TO END OF LOOP	0.60	0.00	0.60	3	
0207BZ	73060	6	1		SENTINEL CAMPGROUND ROAD B	FROM ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A) ON LEFT	TO ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)	0.22	0.00	0.22	3	
0207CZ	73060	6	1		SENTINEL CAMPGROUND ROAD C	FROM ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A) ON LEFT	TO ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)	0.12	0.00	0.12	3	
0207DZ	73060	6	1		SENTINEL CAMPGROUND ROAD D	FROM ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A) ON LEFT	TO ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)	0.12	0.00	0.12	3	
0207EZ	73060	6	1		SENTINEL CAMPGROUND ROAD E	FROM ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B) ON LEFT	TO ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)	0.10	0.00	0.10	3	

KICA-0208ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0208AZ	73062	6	1		CANYON VIEW CAMPGROUND ROAD A	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	TO END OF LOOP	0.31	0.00	0.31	3	
0208BZ	73062	6	1		CANYON VIEW CAMPGROUND ROAD B	FROM ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A) ON RIGHT	TO ROUTE 0208CZ (CANYON VIEW CAMPGROUND ROAD C)	0.18	0.00	0.18	3	
0208CZ	73062	6	1		CANYON VIEW CAMPGROUND ROAD C	FROM ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A) ON RIGHT	TO ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)	0.35	0.00	0.35	3	

NPS / RIP Subcomponent Details for KICA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

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Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas

■ = Concession Route

Red text denotes:
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NC = Not Collected

KICA *Kings Canyon National Park*

KICA-0209ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0209AZ	73063	6	1		MORAINE CAMPGROUND ROAD A	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT	TO END OF LOOP	0.61	0.00	0.61	3	
0209BZ	73063	6	1		MORAINE CAMPGROUND ROAD B	FROM ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A) ON LEFT	TO ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)	0.10	0.00	0.10	3	
0209CZ	73063	6	1		MORAINE CAMPGROUND ROAD C	FROM ROUTE 0209BZ (MORAINE CAMPGROUND ROAD B) ON LEFT	TO ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)	0.16	0.00	0.16	3	
0209DZ	73063	6	1		MORAINE CAMPGROUND ROAD D	FROM ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A) ON RIGHT	TO ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)	0.37	0.00	0.37	3	
0209EZ	73063	6	1		MORAINE CAMPGROUND ROAD E	FROM ROUTE 0209DZ (MORAINE CAMPGROUND ROAD D) ON RIGHT	TO ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)	0.12	0.00	0.12	3	
0209FZ	73063	6	1		MORAINE CAMPGROUND ROAD F	FROM ROUTE 0209DZ (MORAINE CAMPGROUND ROAD D) ON RIGHT	TO ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)	0.13	0.00	0.13	3	

NPS / RIP Subcomponent Details for KICA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

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Grey = Paved Routes, DCV not Driven
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= Concession Route
Yellow = Unpaved Routes, DCV not Driven
Blue = Paved Parking Areas
Green = Unpaved Parking Areas

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KICA *Kings Canyon National Park*

KICA-0216ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0216AZ	73066	6	1		AZALEA CAMPGROUND ROAD A	FROM ROUTE 0212 (GRANT TREE ROAD) ON LEFT	TO END OF LOOP	0.77	0.00	0.77	3	
0216BZ	73066	6	1		AZALEA CAMPGROUND ROAD B	FROM ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A) ON RIGHT	TO END OF LOOP	0.34	0.00	0.34	3	
0216CZ	73066	6	1		AZALEA CAMPGROUND ROAD C	FROM ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B) ON LEFT	TO ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)	0.03	0.00	0.03	3	
0216DZ	73066	6	1		AZALEA CAMPGROUND ROAD D	FROM ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A) ON LEFT	TO ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)	0.26	0.00	0.26	3	
0216EZ	73066	6	1		AZALEA CAMPGROUND ROAD E	FROM ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A) ON LEFT	TO ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)	0.20	0.00	0.20	3	
0216FZ	73066	6	1		AZALEA CAMPGROUND ROAD F	FROM ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A) ON LEFT	TO ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)	0.05	0.00	0.05	3	
0216GZ	73066	6	1		AZALEA CAMPGROUND ROAD G	FROM ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)	TO ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)	0.05	0.00	0.05	3	
0216HZ	73066	6	1		AZALEA CAMPGROUND ROAD H	FROM ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)	TO ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)	0.05	0.00	0.05	3	

NPS / RIP Subcomponent Details for KICA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

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KICA *Kings Canyon National Park*

KICA-0218ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0218AZ	73068	6	1		CRYSTAL SPRINGS CAMPGROUND ROAD A	FROM ROUTE 0217 (CRYSTAL SPRINGS ROAD)	TO END OF LOOP	0.47	0.00	0.47	3	
0218BZ	73068	6	1		CRYSTAL SPRINGS CAMPGROUND ROAD B	FROM ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)	TO END OF LOOP	0.22	0.00	0.22	3	
0218CZ	73068	6	1		CRYSTAL SPRINGS CAMPGROUND ROAD C	FROM ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)	TO ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)	0.21	0.00	0.21	3	
0218DZ	73068	6	1		CRYSTAL SPRINGS CAMPGROUND ROAD D	FROM ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)	TO ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)	0.10	0.00	0.10	3	
0218EZ	73068	6	1		CRYSTAL SPRINGS CAMPGROUND ROAD E	FROM ROUTE 0218BZ (CRYSTAL SPRINGS CAMPGROUND ROAD B)	TO END OF LOOP	0.15	0.00	0.15	3	

NPS / RIP Subcomponent Details for KICA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

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Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas

■ = Concession Route

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PKG = Parking Areas
NC = Not Collected

KICA *Kings Canyon National Park*

KICA-0220ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0220AZ	73069	6	1		SUNSET CAMPGROUND ROAD A	FROM ROUTE 0015 (GRANT GROVE ROAD) ON LEFT	TO END OF LOOP	0.50	0.00	0.50	3	
0220BZ	73069	6	1		SUNSET CAMPGROUND ROAD B	FROM ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A) ON LEFT	TO ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)	0.41	0.00	0.41	3	
0220CZ	73069	6	1		SUNSET CAMPGROUND ROAD C	FROM ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)	TO ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)	0.05	0.00	0.05	3	
0220DZ	73069	6	1		SUNSET CAMPGROUND ROAD D	FROM ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)	TO ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)	0.08	0.00	0.08	3	
0220EZ	73069	6	1		SUNSET CAMPGROUND ROAD E	FROM ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)	TO ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)	0.08	0.00	0.08	3	
0220FZ	73069	6	1		SUNSET CAMPGROUND ROAD F	FROM ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)	TO ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)	0.09	0.00	0.09	3	
0220GZ	73069	6	1		SUNSET CAMPGROUND ROAD G	FROM ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)	TO ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)	0.10	0.00	0.10	3	

KICA-0400ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0400Z	73070	6	1		CEDAR LANE	FROM ROUTE 0205 (NORTH SIDE ROAD) ON LEFT	TO ROUTE 0200 (CEDAR GROVE MOTOR NATURE ROAD)	0.73	0.00	0.73	5	
0401Z	73070	6	1		DEATH VALLEY DRIVE	FROM ROUTE 0400Z (CEDAR LANE) ON LEFT	TO ROUTE 0400Z (CEDAR LANE)	0.24	0.00	0.24	5	

NPS / RIP Subcomponent Details for KICA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

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Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas

■ = Concession Route

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KICA *Kings Canyon National Park*

KICA-0402ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0402AZ	73072	6	1	■	PICNIC ESTATES HOUSING ROAD A	FROM ROUTE 0205 (NORTH SIDE ROAD) ON LEFT	TO END OF LOOP	0.39	0.00	0.39	5	
0402BZ	73072	6	1	■	PICNIC ESTATES HOUSING ROAD B	FROM ROUTE 0402AZ (PICNIC ESTATES HOUSING ROAD A) ON LEFT	TO ROUTE 0402AZ (PICNIC ESTATES HOUSING ROAD A)	0.09	0.00	0.09	5	

KICA-0411ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0411Z	73074	6	1		WIRTH WAY	FROM ROUTE 0415Z (UPPER LOOP ROAD)	TO ROUTE 0417CZ (LOWER LOOP ROAD)	0.34	0.00	0.34	5	
0415Z	73074	6	1		UPPER LOOP ROAD	FROM INTERSECTION OF ROUTE 0417AZ (PARK ROAD), ROUTE 0902 (MAINTENANCE AREA PARKING (PINE CAMP COURT)), AND ROUTE 5000 (PARK ROAD / WILSONIA ROAD)	TO END OF LOOP	0.26	0.00	0.26	5	
0417AZ	73074	6	1		PARK ROAD	FROM ROUTE 0015 (GRANT GROVE ROAD) ON RIGHT	TO INTERSECTION OF ROUTE 0415Z (UPPER LOOP ROAD), ROUTE 0902 (MAINTENANCE AREA PARKING (PINE CAMP COURT)), AND ROUTE 5000 (PARK ROAD / WILSONIA ROAD)	0.18	0.00	0.18	5	
0417BZ	73074	6	1		QUARTERS 1612 LOOP	FROM ROUTE 0417CZ (LOWER LOOP ROAD)	TO ROUTE 0417CZ (LOWER LOOP ROAD)	0.05	0.00	0.05	5	
0417CZ	73074	6	1		LOWER LOOP ROAD	FROM ROUTE 0415Z (UPPER LOOP ROAD)	TO ROUTE 0417AZ (PARK ROAD)	0.22	0.00	0.22	5	

NPS / RIP Subcomponent Details for KICA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

White = Paved Routes, DCV Driven	Grey = Paved Routes, DCV not Driven	Black = Paved Routes, Non-NPS
Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas

■ = Concession Route

Red text denotes:
*Unpaved route data was obtained from the NPS and was not collected by the Road Inventory Program (RIP).

DCV = Data Collection Vehicle
MRL = Manually Rated Line
MRP = Manually Rated Polygon
PKG = Parking Areas
NC = Not Collected

KICA *Kings Canyon National Park*

KICA-0414ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0414AZ	73075	6	1		SWALE WORK CENTER LOOP A	FROM ROUTE 0414Z (SWALE ROAD)	TO ROUTE 0414Z (SWALE ROAD)	0.06	0.00	0.06	6	
0414Z	73075	6	1		SWALE ROAD	FROM END OF ROUTE 0212 (GRANT TREE ROAD)	TO END OF LOOP	0.82	0.00	0.82	6	

KICA-0904ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	User Access	Area (SQ FT)
0904Z	73105	6	1	■	GRANT GROVE PLAZA PARKING	FROM ROUTE 0015 (GRANT GROVE ROAD) ON RIGHT	TO ROUTE 0905Z (GRANT GROVE CONCESSION SERVICE ACCESS PARKING) AND ROUTE 0015 (GRANT GROVE ROAD)	PUBLIC	24,015
0905Z	73105	6	1	■	GRANT GROVE CONCESSION SERVICE ACCESS PARKING	FROM ROUTE 0904Z (GRANT GROVE PLAZA PARKING)	TO LOADING AREA AND ROUTE 0904Z (GRANT GROVE PLAZA PARKING	NONPUBLIC	8,079
0906AZ	73105	6	1	■	GRANT GROVE VISITOR CENTER PARKING AREA A	ADJACENT TO ROUTE 0101 (PANORAMIC ROAD) ON RIGHT		PUBLIC	7,982
0906BZ	73105	6	1	■	GRANT GROVE VISITOR CENTER PARKING AREA B	ADJACENT TO ROUTE 0101 (PANORAMIC ROAD) ON LEFT		PUBLIC	3,553
0906CZ	73105	6	1	■	GRANT GROVE VISITOR CENTER PARKING AREA C	ADJACENT TO ROUTE 0101 (PANORAMIC ROAD) ON LEFT		PUBLIC	2,639
0907Z	73105	6	1	■	MANZANITA TRAIL PARKING	FROM ROUTE 0101 (PANORAMIC ROAD) ON RIGHT	TO PARKING	PUBLIC	5,565
0908AZ	73105	6	1	■	GRANT GROVE VILLAGE PARKING AREA A	ADJACENT TO ROUTE 0101 (PANORAMIC ROAD) ON RIGHT		PUBLIC	1,542
0908BZ	73105	6	1	■	GRANT GROVE VILLAGE PARKING AREA B	ADJACENT TO ROUTE 0101 (PANORAMIC ROAD) ON LEFT		PUBLIC	2,254

NPS / RIP Subcomponent Details for KICA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

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■ = Concession Route

Red text denotes:
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PKG = Parking Areas
NC = Not Collected

KICA *Kings Canyon National Park*

KICA-0910ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	User Access	Area (SQ FT)
0909Z	73111	6	1	■	JOHN MUIR LODGE PARKING	FROM ROUTE 0101 (PANORAMIC ROAD)	TO PARKING	PUBLIC	22,507
0910Z	73111	6	1	■	MEADOW CAMP CABINS ROAD	FROM ROUTE 0217 (CRYSTAL SPRINGS ROAD)	THROUGH CABIN AREA	PUBLIC	15,201

KICA-0916ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	User Access	Area (SQ FT)
0916Z	73140	6	1	■	CEDAR GROVE VILLAGE PARKING	FROM ROUTE 0205 (NORTH SIDE ROAD)	TO ROUTE 0402ZZ (PICNIC ESTATES HOUSING ROADS)	PUBLIC	55,246
0917Z	73140	6	1	■	CEDAR GROVE VILLAGE PICNIC PARKING	FROM ROUTE 0916Z (CEDAR GROVE VILLAGE PARKING)	TO PARKING	PUBLIC	23,696

KICA-0918ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	User Access	Area (SQ FT)
0918AZ	73142	6	1		CEDAR GROVE VISITOR CENTER PARKING AREA A	FROM ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A) ON RIGHT	TO ROUTE 0919Z (WOLVERTON CORRAL FACILITY)	PUBLIC	31,902
0918BZ	73142	6	1		SENTINEL CAMPGROUND GROUP PARKING	ADJACENT TO ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A) ON RIGHT		PUBLIC	1,682
0919Z	73142	6	1		WOLVERTON CORRAL FACILITY	FROM ROUTE 0918AZ (CEDAR GROVE VISITOR CENTER PARKING AREA A)	TO ROUTE 0918AZ (CEDAR GROVE VISITOR CENTER PARKING AREA A)	NONPUBLIC	4,454

Report Date: 01/19/2016

NPS / RIP Subcomponent Details for KICA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

White = Paved Routes, DCV Driven	Grey = Paved Routes, DCV not Driven	Black = Paved Routes, Non-NPS
Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas

■ = Concession Route

Red text denotes:
*Unpaved route data was obtained from the NPS and was not collected by the Road Inventory Program (RIP).

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MRP = Manually Rated Polygon
PKG = Parking Areas
NC = Not Collected

KICA *Kings Canyon National Park*

KICA-0928ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	User Access	Area (SQ FT)
0928Z	73606	6	1		ROAD'S END INFORMATION PARKING	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON RIGHT	TO ROUTE 0011 (CEDAR GROVE ROAD)	PUBLIC	26,318
0929Z	73606	6	1		ROAD'S END RESTROOM PARKING	ADJACENT TO ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT		PUBLIC	1,591
0930Z	73606	6	1		COPPER CREEK TRAIL PARKING	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON RIGHT	TO ROUTE 0011 (CEDAR GROVE ROAD)	PUBLIC	20,521
0931Z	73606	6	1		ROAD'S END LONG TERM PARKING	FROM ROUTE 0011 (CEDAR GROVE ROAD) ON RIGHT	TO PARKING	PUBLIC	40,643

KICA-0936ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	User Access	Area (SQ FT)
0936AZ		6	1		SWALE WORK CENTER PARKING A	ADJACENT TO ROUTE 0414Z (SWALE ROAD) ON LEFT		NONPUBLIC	1,695
0936BZ		6	1		SWALE WORK CENTER PARKING B	ADJACENT TO ROUTE 0414Z (SWALE ROAD) ON RIGHT		NONPUBLIC	1,623
0937Z		6	1		ARROWHEAD INTERAGENCY HOTSHOT CREW PARKING	FROM ROUTE 0414Z (SWALE ROAD)	TO PARKING	NONPUBLIC	1,466

Route Identification Changes to Paved Routes from Previous Cycle
Kings Canyon National Park

ROUTES ADDED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0924	ROARING RIVER FALLS PARKING	OTHER	CYCLE 4 PARKING AREA ADDED BACK IN CYCLE 6.

ROUTES MODIFIED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0101	PANORAMIC ROAD	LENGTH CHANGE	A SHORT ROAD SECTION OF CYCLE 5 ROUTE 0932 WAS ADDED TO THE ROUTE AT THE END.
0216ZZ	AZALEA CAMPGROUND ROADS	LENGTH CHANGE	THREE ROAD SECTIONS (0216FZ, 0216GZ AND 0216HZ) WERE ADDED TO EXISTING ROUTE IN CYCLE 6.
0400ZZ	CEDAR GROVE RESIDENCE ROADS	ROUTES COMBINED	CYCLE 5 ROUTES 0400 AND 0401 WERE COMBINED IN CYCLE 6. KEPT FMSS LOCATION FOR ROUTE 0400 (73070).
0402ZZ	PICNIC ESTATES HOUSING ROADS	OTHER	ROUTE NAME CHANGED FROM "PICNIC ESTATES LOOP ROADS" IN CYCLE 6.
0404	CANYON VIEW SERVICE ROAD	OTHER	A SMALL PAVED SECTION ADDED TO UNPAVED ROAD. COLLECTED AS A MANUALLY RATED ROUTE IN CYCLE 6.
0411ZZ	GRANT GROVE RESIDENCE LOOPS	ROUTES COMBINED	CYCLE 5 ROUTES 0411, 0415, 0417AZ AND 0417BZ WERE COMBINED IN CYCLE 6.
0418	WATER TANK ROAD	ROUTE NAME	ROUTE NAME CHANGE FROM "GRANT GROVE WATER TOWER ACCESS ROAD" IN CYCLE 6.
0902	MAINTENANCE AREA PARKING (PINE CAMP COURT)	SQ FEET CHANGE	ROAD SECTION BEHIND THE PARKING AREA ADDED TO SHAPE. UPDATED GPS WAS COLLECTED IN CYCLE 6 TO IMPROVE THE ACCURACY OF THE SHAPE AND SQUARE FOOTAGE.
0903	SUNSET AMPHITHEATER PARKING	SQ FEET CHANGE	UPDATED GPS WAS COLLECTED IN CYCLE 6 TO IMPROVE THE ACCURACY OF THE SHAPE AND SQUARE FOOTAGE.
0904ZZ	CONCESSION PARKING - THE PLAZA	OTHER	CYCLE 5 ROUTES 0904, 0905, 0906AZ, 0906BZ,0906CZ, 0907, 0908AZ AND 0908BZ WERE COMBINED IN CYCLE 6. MINOR UPDATES MADE TO GPS AND SQ. FT.
0910ZZ	JOHN MUIR LODGE/ MEADOW CAMP PARKING	OTHER	CYCLE 5 ROUTES 0909 AND 0910 WERE COMBINED IN CYCLE 6. UPDATED GPS WAS COLLECTED TO IMPROVE THE ACCURACY OF THE SHAPE AND SQUARE FOOTAGE.
0911	COLUMBINE PICNIC PARKING AREA	SQ FEET CHANGE	UPDATED GPS WAS COLLECTED IN CYCLE 6 TO IMPROVE THE ACCURACY OF THE SHAPE AND SQUARE FOOTAGE.

Route Identification Changes to Paved Routes from Previous Cycle
Kings Canyon National Park

ROUTES MODIFIED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0912	GRANT TREE PARKING	SQ FEET CHANGE	UPDATED GPS WAS COLLECTED IN CYCLE 6 TO IMPROVE THE ACCURACY OF THE SHAPE AND SQUARE FOOTAGE.
0914	CEDAR GROVE MAINTENANCE AREA	SQ FEET CHANGE	UPDATED GPS WAS COLLECTED IN CYCLE 6 TO IMPROVE THE ACCURACY OF THE SHAPE AND SQUARE FOOTAGE.
0916ZZ	CEDAR GROVE VILLAGE / PICNIC PARKING	OTHER	CYCLE 5 ROUTES 0916 AND 0917 WERE COMBINED IN CYCLE 6.
0918ZZ	CEDAR GROVE VISITOR CENTER PARKING AREAS	OTHER	CYCLE 5 ROUTES 0919, 0918AZ AND 0918BZ WERE COMBINED IN CYCLE 6. UPDATED GPS WAS COLLECTED IN CYCLE 6 TO IMPROVE THE ACCURACY OF THE SHAPE AND SQUARE FOOTAGE.
0927	ZUMWALT MEADOW PARKING	SQ FEET CHANGE	UPDATED GPS WAS COLLECTED IN CYCLE 6 TO IMPROVE THE ACCURACY OF THE SHAPE AND SQUARE FOOTAGE.
0928ZZ	ROAD'S END PARKING LOTS	OTHER	CYCLE 5 ROUTES 0928, 0929, 0930 AND 0931 WERE COMBINED IN CYCLE 6. UPDATED GPS WAS COLLECTED TO IMPROVE THE ACCURACY OF THE SHAPE AND SQUARE FOOTAGE.
0932	PANORAMIC POINT PARKING	SQ FEET CHANGE	A SHORT ROAD SECTION OF CYCLE 5 ROUTE 0932 WAS ADDED TO THE ROUTE 0101. UPDATED GPS WAS COLLECTED IN CYCLE 6 TO IMPROVE THE ACCURACY OF THE SHAPE AND SQUARE FOOTAGE.
0934	REDWOOD CANYON OVERLOOK PARKING	SQ FEET CHANGE	UPDATED GPS WAS COLLECTED IN CYCLE 6 TO IMPROVE THE ACCURACY OF THE SHAPE AND SQUARE FOOTAGE.
0936ZZ	SWALE WORK CENTER PARKING AREAS	OTHER	ROUTE NAME CHANGED FROM "SWALE WORK CENTER AND ARROWHEAD INTERAGENCY PARKING AREAS".

Section 3
Park Summary Information

Kings Canyon National Park

Federal Lands Highway
Road Inventory Program

Parkwide Paved Route Condition Summary
Kings Canyon National Park

Table 1: Paved Route Miles and Parking Area Square Footages by Access Level and PCR

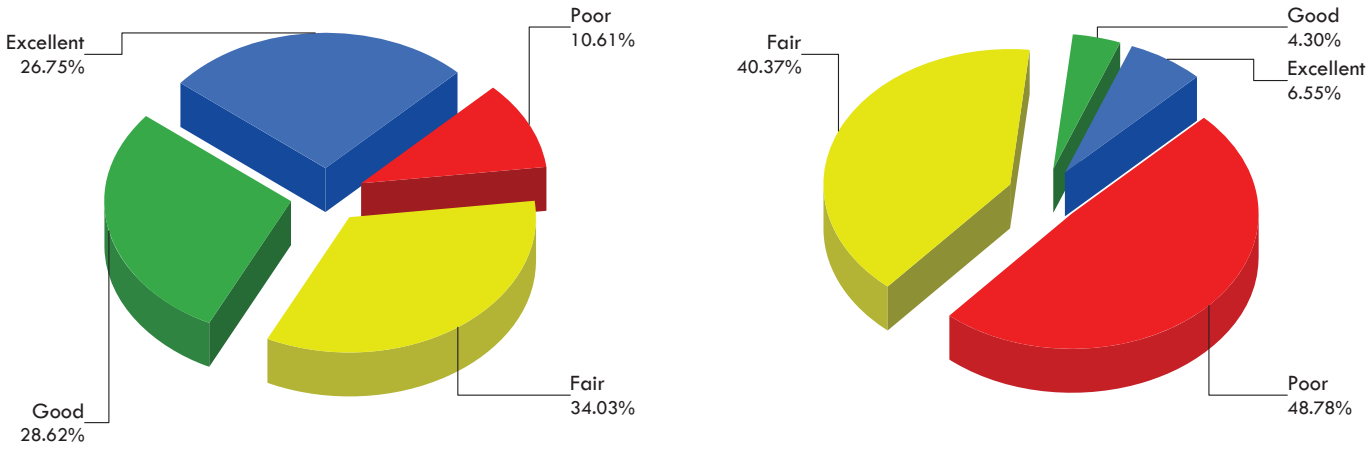
Breakdown of Pavement Condition Rating (PCR) Based on Access Level

	POOR (PCR of 0 - 60)	FAIR (PCR of 61 - 84)	GOOD (PCR of 85 - 94)	EXCELLENT (PCR of 95 -100)	
PAVED ROADS					
Functional Class	**Length (miles)**	**Length (miles)**	**Length (miles)**	**Length (miles)**	**Total Mileage by FC**
1	0.80	9.92	6.25	8.52	25.49
2	0.46	1.52	2.08	0.86	4.92
3	1.49	2.14	3.57	1.92	9.12
4					
5	1.12	0.93	0.36	0.31	2.72
6	0.77	0.37	0.26	0.08	1.47
7					
8					
Total Mileage by PCR	**4.64**	**14.88**	**12.51**	**11.69**	**43.72**
PAVED PARKING					
Access Level	**Area (sq. ft.)**	**Area (sq. ft.)**	**Area (sq. ft.)**	**Area (sq. ft.)**	**Total Area**
PUBLIC	200,951	207,422	24,012	36,569	468,954
NONPUBLIC	71,326	17,988			89,314
Total Area by PCR	**272,277**	**225,410**	**24,012**	**36,569**	**558,268**

NOTES:

1. Data are reported in the table only for paved roads and parking lots that received a condition rating.
2. Non-linear roads (MRP collected routes) are measured by area and converted to equivalent route miles based on a 22-ft pavement width in order to be included in the mileage totals for paved roads shown above.
3. Quantities in the table above are derived from the route condition data within the PMS_20, PMS_MRL, PMS_MRP, and PMS_PKG tables in the Park geodatabase.

Parkwide Condition Percentages



Road Condition Percentages

Parking Area Condition Percentages

Figure 1: Pavement Condition Rating Breakdown for Paved Roads and Parking Areas

Explanation of the Excellent, Good, Fair, and Poor Condition Descriptions

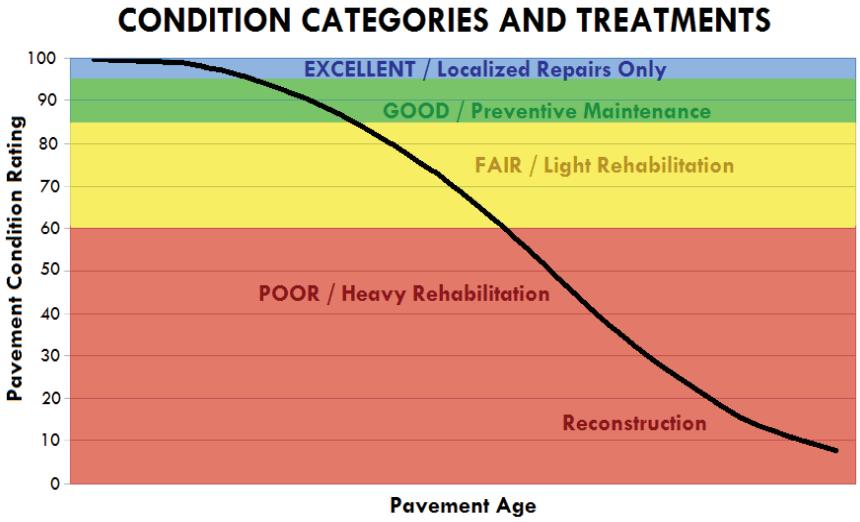
The Road Inventory Program aims to provide assistance in translating the excellent / good / fair / poor rating categories into pavement needs categories. The PCR can be used to indicate the place in the Pavement Life Cycle and the type of treatments that should be considered now and into the future.

- Excellent / New: PCR of 95-100
  - Pavements in this range will require only spot repairs

- Good: PCR of 85-94
  - Pavements in this range will likely be candidates for Preventive Maintenance. Examples include Chip and Slurry Seals, Micro Surfacing and Thin Overlays.

- Fair: PCR of 61-84
  - Pavements in this range will likely be candidates of Light Rehabilitation (L3R). Examples include singlelift overlays up to 2.5 inches in total thickness, milling and overlays.

- Poor: PCR of 0-60
  - Pavements in this range will likely be candidates of Heavy Rehabilitation or Reconstruction (H3R or 4R). Examples include Pulverization, Multiple Lift Overlays, and Reconstruction.



At this time, specific Maintenance and Rehabilitation activities should be evaluated and recommended at the project level. Site-specific conditions that influence treatment type should be determined based on performing a subsurface investigation and/or pavement condition survey, and not be based solely on RIP data. Additionally, RIP produces a snapshot of conditions at the time in which the data were collected. For further information or to obtain additional Pavement Management System's data from our Highway Pavement Management Application (HPMA) please contact the Eastern Federal Lands pavement team.

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Road Condition Summary Report for Data Collection Vehicle (DCV) Rated Roads

Kings Canyon National Park

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
- NR = NOT RATED

Notes:

- This condition summary report contains only the roads rated with the Data Collection Vehicle (DCV).
- Condition on roads that were manually rated and parking areas are shown in separate reports.
- Additional details on individual road ratings can be found in Section 5 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Route-Level Condition for Roads Rated with the Data Collection Vehicle (DCV)

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
KICA-0010	73857	GENERALS HIGHWAY HISTORIC	1	AS	13.21	79	63	90	94	100	94	90	100	98
KICA-0011	73050	CEDAR GROVE ROAD	1	AS	7.58	91	83	97	100	100	100	97	100	99
KICA-0015	73052	GRANT GROVE ROAD	1	AS	4.70	99	100	99	100	100	100	100	100	99
KICA-0101	73054	PANORAMIC ROAD	2	AS	2.31	82	NR	82	82	96	86	93	100	89
KICA-0205	73056	NORTH SIDE ROAD	2	AS	1.56	87	71	98	99	100	99	98	100	98
KICA-0206AZ	73059	SHEEP CREEK CAMPGROUND ROAD A	3	AS	0.49	53	NR	53	91	100	91	53	100	93
KICA-0206BZ	73059	SHEEP CREEK CAMPGROUND ROAD B	3	AS	0.47	81	NR	81	95	100	95	81	100	93
KICA-0206CZ	73059	SHEEP CREEK CAMPGROUND ROAD C	3	AS	0.07	90	NR	90	99	100	99	90	100	96
KICA-0206DZ	73059	SHEEP CREEK CAMPGROUND ROAD D	3	AS	0.08	58	NR	58	92	100	92	58	100	92
KICA-0206EZ	73059	SHEEP CREEK CAMPGROUND ROAD E	3	AS	0.11	52	NR	52	94	100	94	52	100	94
KICA-0206FZ	73059	SHEEP CREEK CAMPGROUND ROAD F	3	AS	0.14	79	NR	79	97	100	97	79	100	96
KICA-0206GZ	73059	SHEEP CREEK CAMPGROUND ROAD G	3	AS	0.09	93	NR	93	96	100	96	93	100	96
KICA-0207AZ	73060	SENTINEL CAMPGROUND ROAD A	3	AS	0.60	88	NR	88	95	100	95	88	100	93
KICA-0207BZ	73060	SENTINEL CAMPGROUND ROAD B	3	AS	0.22	74	NR	74	89	100	89	74	100	92
KICA-0207CZ	73060	SENTINEL CAMPGROUND ROAD C	3	AS	0.12	92	NR	92	99	100	99	99	100	92
KICA-0207DZ	73060	SENTINEL CAMPGROUND ROAD D	3	AS	0.12	93	NR	93	99	100	99	100	100	93
KICA-0207EZ	73060	SENTINEL CAMPGROUND ROAD E	3	AS	0.10	66	NR	66	93	100	93	66	100	92
KICA-0208AZ	73062	CANYON VIEW CAMPGROUND ROAD A	3	AS	0.31	63	NR	63	74	100	74	94	98	63
KICA-0208BZ	73062	CANYON VIEW CAMPGROUND ROAD B	3	AS	0.18	54	NR	54	57	98	59	91	93	54

Data Collection Date: 05/2015

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Road Condition Summary Report for Data Collection Vehicle (DCV) Rated Roads

Kings Canyon National Park

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
- NR = NOT RATED

Notes:

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Route-Level Condition for Roads Rated with the Data Collection Vehicle (DCV)

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
KICA-0208CZ	73062	CANYON VIEW CAMPGROUND ROAD C	3	AS	0.35	35	NR	66	84	100	84	97	99	66
KICA-0209AZ	73063	MORAINE CAMPGROUND ROAD A	3	AS	0.61	92	NR	92	99	100	99	92	100	93
KICA-0209BZ	73063	MORAINE CAMPGROUND ROAD B	3	AS	0.10	92	NR	92	98	100	98	96	100	92
KICA-0209CZ	73063	MORAINE CAMPGROUND ROAD C	3	AS	0.16	93	NR	93	99	100	99	97	100	93
KICA-0209DZ	73063	MORAINE CAMPGROUND ROAD D	3	AS	0.37	88	NR	88	98	100	98	88	100	94
KICA-0209EZ	73063	MORAINE CAMPGROUND ROAD E	3	AS	0.12	94	NR	94	98	100	98	94	100	95
KICA-0209FZ	73063	MORAINE CAMPGROUND ROAD F	3	AS	0.13	88	NR	88	98	100	98	88	100	94
KICA-0212	73065	GRANT TREE ROAD	2	AS	0.77	82	62	95	97	100	97	99	100	95
KICA-0216AZ	73066	AZALEA CAMPGROUND ROAD A	3	AS	0.77	62	NR	62	62	80	82	85	100	95
KICA-0216BZ	73066	AZALEA CAMPGROUND ROAD B	3	AS	0.34	95	NR	95	99	100	99	99	100	95
KICA-0216CZ	73066	AZALEA CAMPGROUND ROAD C	3	AS	0.03	96	NR	96	100	100	100	100	100	96
KICA-0216DZ	73066	AZALEA CAMPGROUND ROAD D	3	AS	0.26	92	NR	92	98	100	98	97	99	92
KICA-0216EZ	73066	AZALEA CAMPGROUND ROAD E	3	AS	0.20	91	NR	91	98	100	98	92	99	91
KICA-0216FZ	73066	AZALEA CAMPGROUND ROAD F	3	AS	0.05	31	NR	31	31	75	56	60	100	82
KICA-0216GZ	73066	AZALEA CAMPGROUND ROAD G	3	AS	0.05	90	NR	NR	NR	NR	NR	NR	NR	NR
KICA-0216HZ	73066	AZALEA CAMPGROUND ROAD H	3	AS	0.05	91	NR	91	91	98	93	92	100	92
KICA-0217	73067	CRYSTAL SPRINGS ROAD	2	AS	0.28	91	NR	91	99	100	99	98	99	91
KICA-0218AZ	73068	CRYSTAL SPRINGS CAMPGROUND ROAD A	3	AS	0.47	86	NR	86	97	100	97	98	100	86
KICA-0218BZ	73068	CRYSTAL SPRINGS CAMPGROUND ROAD B	3	AS	0.22	91	NR	91	95	100	95	99	100	91

Data Collection Date: 05/2015

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Road Condition Summary Report for Data Collection Vehicle (DCV) Rated Roads

Kings Canyon National Park

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
- NR = NOT RATED

Notes:

- This condition summary report contains only the roads rated with the Data Collection Vehicle (DCV).
- Condition on roads that were manually rated and parking areas are shown in separate reports.
- Additional details on individual road ratings can be found in Section 5 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Route-Level Condition for Roads Rated with the Data Collection Vehicle (DCV)

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
KICA-0218CZ	73068	CRYSTAL SPRINGS CAMPGROUND ROAD C	3	AS	0.21	89	NR	89	98	100	98	98	100	89
KICA-0218DZ	73068	CRYSTAL SPRINGS CAMPGROUND ROAD D	3	AS	0.10	84	NR	84	94	100	94	98	100	84
KICA-0218EZ	73068	CRYSTAL SPRINGS CAMPGROUND ROAD E	3	AS	0.15	91	NR	91	95	100	95	99	100	91
KICA-0220AZ	73069	SUNSET CAMPGROUND ROAD A	3	AS	0.50	94	NR	94	99	100	99	98	100	94
KICA-0220BZ	73069	SUNSET CAMPGROUND ROAD B	3	AS	0.41	94	NR	94	98	100	98	99	100	94
KICA-0220CZ	73069	SUNSET CAMPGROUND ROAD C	3	AS	0.05	95	NR	95	95	100	95	97	100	95
KICA-0220DZ	73069	SUNSET CAMPGROUND ROAD D	3	AS	0.08	96	NR	96	99	100	99	97	100	96
KICA-0220EZ	73069	SUNSET CAMPGROUND ROAD E	3	AS	0.08	91	NR	91	99	100	99	99	100	91
KICA-0220FZ	73069	SUNSET CAMPGROUND ROAD F	3	AS	0.09	90	NR	90	100	100	100	99	100	90
KICA-0220GZ	73069	SUNSET CAMPGROUND ROAD G	3	AS	0.10	94	NR	94	100	100	100	99	100	94
KICA-0400Z	73070	CEDAR LANE	5	AS	0.73	71	51	84	96	100	96	84	100	97
KICA-0401Z	73070	DEATH VALLEY DRIVE	5	AS	0.24	89	NR	89	94	100	94	89	100	92
KICA-0402AZ	73072	PICNIC ESTATES HOUSING ROAD A	5	AS	0.39	64	NR	64	79	100	79	64	98	94
KICA-0402BZ	73072	PICNIC ESTATES HOUSING ROAD B	5	AS	0.09	98	NR	98	100	100	100	100	100	98
KICA-0411Z	73074	WIRTH WAY	5	AS	0.34	40	NR	40	40	79	61	78	100	90
KICA-0414AZ	73075	SWALE WORK CENTER LOOP A	6	AS	0.06	85	NR	85	93	100	93	92	100	85
KICA-0414Z	73075	SWALE ROAD	6	AS	0.82	60	NR	60	60	82	78	95	100	93
KICA-0415Z	73074	UPPER LOOP ROAD	5	AS	0.26	22	NR	22	22	56	66	67	100	89
KICA-0417AZ	73074	PARK ROAD	5	AS	0.18	86	NR	86	86	100	86	100	100	98

Data Collection Date: 05/2015

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Road Condition Summary Report for Data Collection Vehicle (DCV) Rated Roads

Kings Canyon National Park

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
- NR = NOT RATED

Notes:

- This condition summary report contains only the roads rated with the Data Collection Vehicle (DCV).
- Condition on roads that were manually rated and parking areas are shown in separate reports.
- Additional details on individual road ratings can be found in Section 5 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Route-Level Condition for Roads Rated with the Data Collection Vehicle (DCV)

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
KICA-0417BZ	73074	QUARTERS 1612 LOOP	5	AS	0.05	0	NR	0	0	0	80	74	100	95
KICA-0417CZ	73074	LOWER LOOP ROAD	5	AS	0.22	16	NR	16	16	47	69	74	100	97
KICA-0418	73080	WATER TANK ROAD	6	AS	0.41	16	NR	16	16	79	37	83	96	93

Data Collection Date: 05/2015

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Road Condition Summary Report for Manually Rated Roads

Kings Canyon National Park

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
- NR = NOT RATED

Notes:

- This condition summary report contains only the roads that were manually rated.
  - MRL = Manually Rated Line (a linear road)
  - MRP = Manually Rated Polygon (a non-linear road)
- Condition on roads that were rated with the Data Collection Vehicle (DCV) are shown in a separate report.
- A road is manually rated when it is determined to be unsuitable for the DCV to drive.
- Additional details on individual road ratings can be found in Section 5 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Route-Level Condition for Manually Rated Line (MRL) Roads

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
KICA-0404	73090	CANYON VIEW SERVICE ROAD	6	AS	0.04	53	NR	53	NR	90	53	53	90	53
KICA-0419	73082	TRAILER RESIDENCE ROAD	5	AS	0.23	30	NR	30	NR	30	30	53	30	53
KICA-0427	73137	CEDAR GROVE WATER TANK ROAD	6	AS	0.15	73	NR	73	NR	90	90	73	97	90

Data Collection Date: 09/2014

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Parking Area Condition Summary Report
Kings Canyon National Park

Condition (Rating / Index) Legend

- EXCELLENT (97)
- GOOD (90)
- FAIR (73)
- POOR* (0, 30, 53)
- NR = NOT RATED

Notes:
- A PCR of 0 indicates a paved parking area in very poor condition. Individual distresses could not be identified.
- Additional details on individual parking areas can be found in Section 6 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Condition Rating Details for Parking Areas

Route No.	FMSS No.	Route Name	User Access	Surf. Type	Area (Sq. Ft.)	Pavement Condition Rating (PCR)	Asphalt Surface Distresses: Alligator Cracking	Asphalt Surface Distresses: Longitudinal / Tranverse Cracking	Asphalt Surface Distresses: Rutting / Distortions	Asphalt Surface Distresses: Potholes / Patching	Asphalt Surface Distresses: HMA Patching	Asphalt Surface Distresses: Surface Raveling / Bleeding	Concrete Surface Distresses: Joint Faulting	Concrete Surface Distresses: Slab Cracking	Concrete Surface Distresses: Joint Distresses	Concrete Surface Distresses: Delamination / Pop-Outs	Concrete Surface Distresses: Potholes / Patching
KICA-0900	73099	BIG STUMP PICNIC PARKING AREA	PUBLIC	AS	36,569	97	97	97	97	97	97	97					
KICA-0901	73101	KINGS CANYON OVERLOOK PARKING	PUBLIC	AS	7,973	53	73	53	53	73	97	73					
KICA-0902	73103	MAINTENANCE AREA PARKING (PINE CAMP COURT)	NONPUBLIC	AS	55,475	30	30	53	53	73	97	73					
KICA-0903	73104	SUNSET AMPHITHEATER PARKING	PUBLIC	AS	21,891	73	73	90	73	90	97	73					
KICA-0904Z	73105	GRANT GROVE PLAZA PARKING	PUBLIC	AS	24,015	30	30	53	73	53	97	73					
KICA-0905Z	73105	GRANT GROVE CONCESSION SERVICE ACCESS PARKING	NONPUBLIC	AS	8,079	53	73	53	53	73	97	73					
KICA-0906AZ	73105	GRANT GROVE VISITOR CENTER PARKING AREA A	PUBLIC	AS	7,982	73	73	90	90	90	97	73					
KICA-0906BZ	73105	GRANT GROVE VISITOR CENTER PARKING AREA B	PUBLIC	AS	3,553	53	53	53	73	90	97	73					
KICA-0906CZ	73105	GRANT GROVE VISITOR CENTER PARKING AREA C	PUBLIC	AS	2,639	73	97	90	90	97	97	73					
KICA-0907Z	73105	MANZANITA TRAIL PARKING	PUBLIC	AS	5,565	53	73	90	53	90	97	73					
KICA-0908AZ	73105	GRANT GROVE VILLAGE PARKING AREA A	PUBLIC	AS	1,542	90	97	90	90	97	97	90					
KICA-0908BZ	73105	GRANT GROVE VILLAGE PARKING AREA B	PUBLIC	AS	2,254	53	53	90	73	97	97	73					
KICA-0909Z	73111	JOHN MUIR LODGE PARKING	PUBLIC	AS	22,507	53	53	53	73	97	97	73					
KICA-0910Z	73111	MEADOW CAMP CABINS ROAD	PUBLIC	AS	15,201	30	53	90	53	30	97	73					
KICA-0911	73135	COLUMBINE PICNIC PARKING AREA	PUBLIC	AS	4,728	53	90	90	53	90	97	73					
KICA-0912	73136	GRANT TREE PARKING	PUBLIC	AS	50,958	73	97	90	73	97	97	73					
KICA-0914	73139	CEDAR GROVE MAINTENANCE AREA	NONPUBLIC	AS	16,522	73	97	90	73	97	97	73					
KICA-0916Z	73140	CEDAR GROVE VILLAGE PARKING	PUBLIC	AS	55,246	53	73	53	53	90	97	73					
KICA-0917Z	73140	CEDAR GROVE VILLAGE PICNIC PARKING	PUBLIC	AS	23,696	30	30	53	53	53	97	73					
KICA-0918AZ	73142	CEDAR GROVE VISITOR CENTER PARKING AREA A	PUBLIC	AS	31,902	73	97	90	73	97	97	73					
KICA-0918BZ	73142	SENTINEL CAMPGROUND GROUP PARKING	PUBLIC	AS	1,682	73	97	90	73	97	97	90					
KICA-0919Z	73142	WOLVERTON CORRAL FACILITY	NONPUBLIC	AS	4,454	53	90	90	73	53	97	73					
KICA-0922	73147	CANYON VIEW PARKING	PUBLIC	AS	6,768	73	97	90	73	73	97	73					
KICA-0923	73148	KNAPP'S CABIN PARKING	PUBLIC	AS	9,268	73	97	90	73	90	97	73					
KICA-0924	73150	ROARING RIVER FALLS PARKING	PUBLIC	AS	9,437	90	97	90	90	97	97	90					
KICA-0927	73604	ZUMWALT MEADOW PARKING	PUBLIC	AS	13,033	90	97	90	90	97	97	90					

Data Collection Date: 09/2014

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Parking Area Condition Summary Report

Kings Canyon National Park

Condition (Rating / Index) Legend

- EXCELLENT (97)
- GOOD (90)
- FAIR (73)
- POOR* (0, 30, 53)
- NR = NOT RATED

Notes:

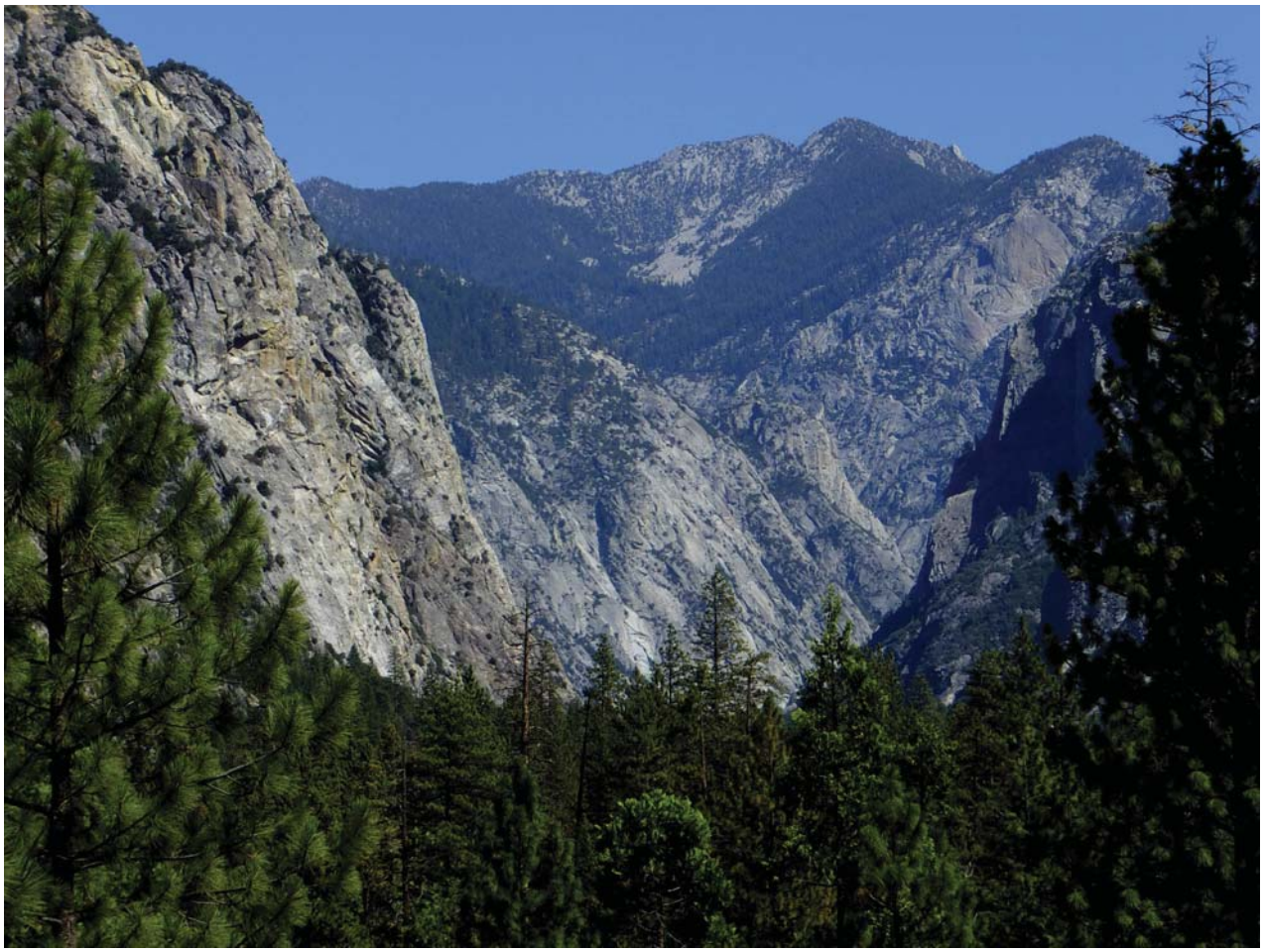
- A PCR of 0 indicates a paved parking area in very poor condition. Individual distresses could not be identified.
- Additional details on individual parking areas can be found in Section 6 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Condition Rating Details for Parking Areas

Route No.	FMSS No.	Route Name	User Access	Surf. Type	Area (Sq. Ft.)	Pavement Condition Rating (PCR)	Asphalt Surface Distresses						Concrete Surface Distresses				
							Alligator Cracking	Longitudinal / Tranverse Cracking	Rutting / Distortions	Potholes / Patching	HMA Patching	Surface Raveling / Bleeding	Joint Faulting	Slab Cracking	Joint Distresses	Delamination / Pop-Outs	Potholes / Patching
KICA-0928Z	73606	ROAD'S END INFORMATION PARKING	PUBLIC	AS	26,318	53	73	53	73	97	97	73					
KICA-0929Z	73606	ROAD'S END RESTROOM PARKING	PUBLIC	AS	1,591	73	97	97	90	97	97	73					
KICA-0930Z	73606	COPPER CREEK TRAIL PARKING	PUBLIC	AS	20,521	73	90	90	73	90	97	73					
KICA-0931Z	73606	ROAD'S END LONG TERM PARKING	PUBLIC	AS	40,643	73	90	90	73	90	97	73					
KICA-0932	73613	PANORAMIC POINT PARKING	PUBLIC	AS	11,577	73	97	90	73	90	97	73					
KICA-0934	73614	REDWOOD CANYON OVERLOOK PARKING	PUBLIC	AS	9,895	53	90	90	53	90	97	73					
KICA-0936AZ	N/A	SWALE WORK CENTER PARKING A	NONPUBLIC	AS	1,695	30	30	90	90	97	97	90					
KICA-0936BZ	N/A	SWALE WORK CENTER PARKING B	NONPUBLIC	AS	1,623	30	30	90	90	97	97	90					
KICA-0937Z	N/A	ARROWHEAD INTERAGENCY HOTSHOT CREW PARKING	NONPUBLIC	AS	1,466	73	97	97	90	97	97	73					

Data Collection Date: 09/2014

Section 4
Park Route Location Maps



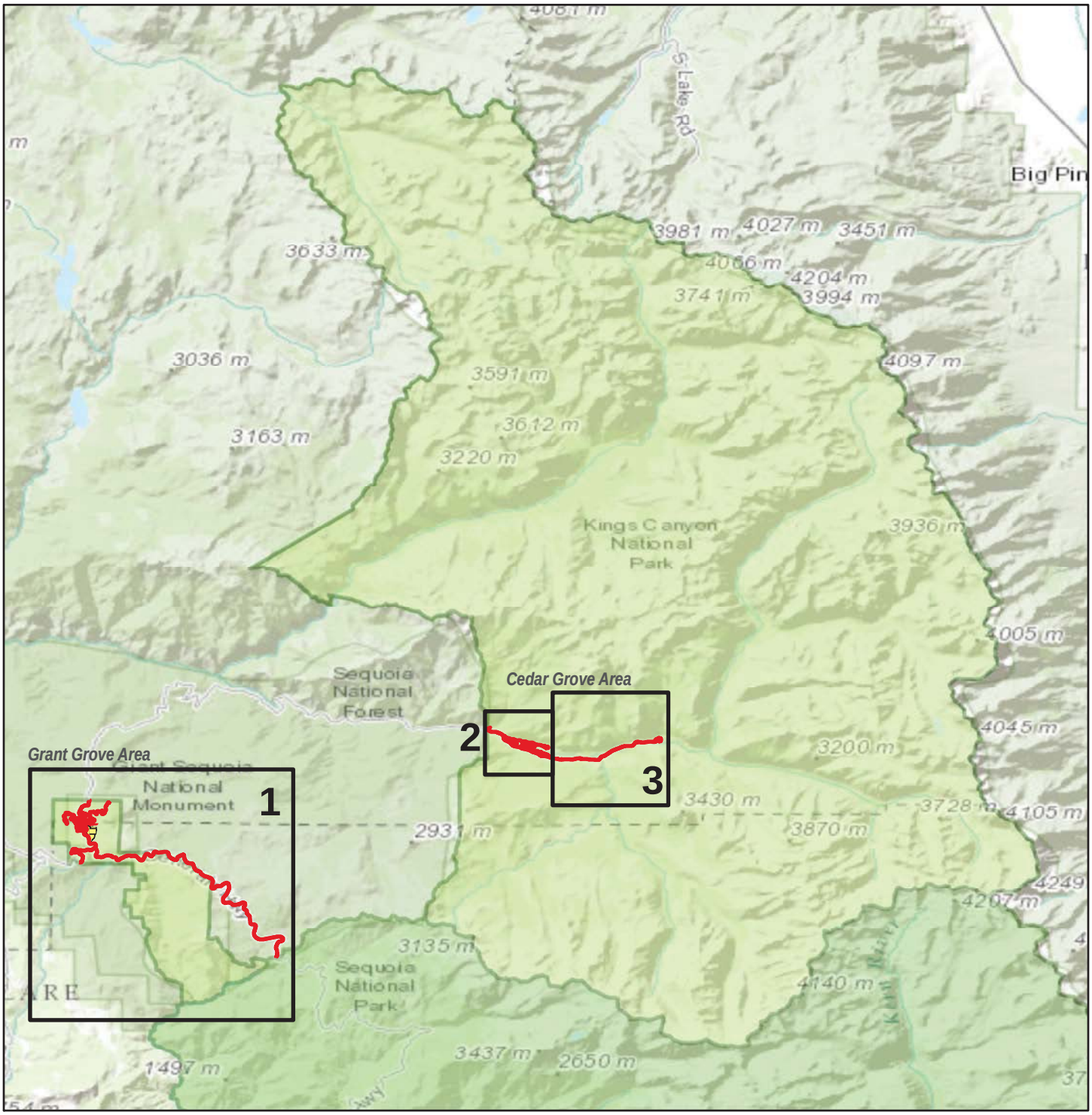
Kings Canyon National Park

Federal Lands Highway
Road Inventory Program

Kings Canyon National Park

ROUTE LOCATION MAP

Key Map



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

NPS Collected Routes

Non-NPS Collected Routes

Miles

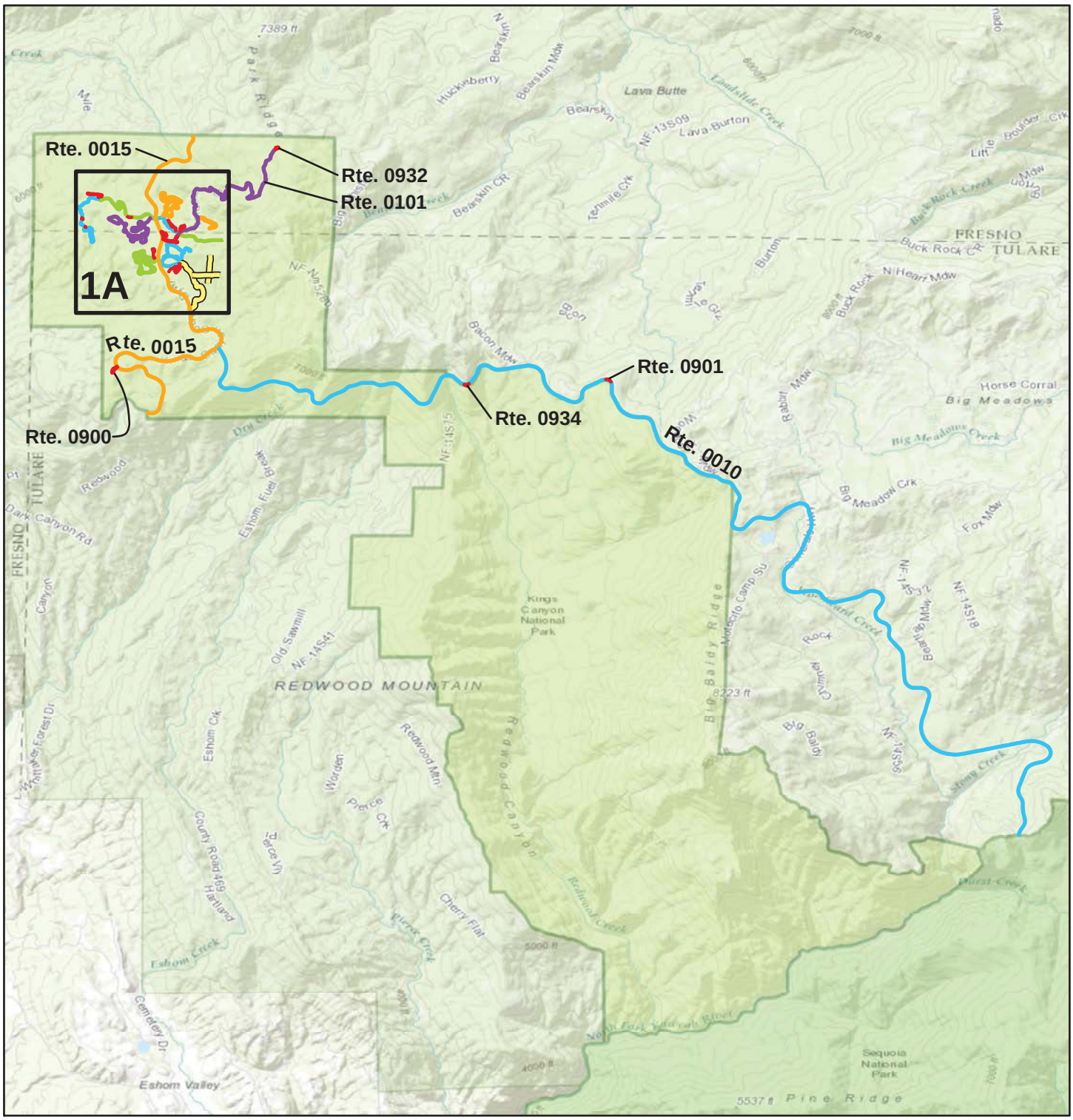
0 20 40

N

Kings Canyon National Park

ROUTE LOCATION MAP

Map 1



Note: Unique colors are used to differentiate roads.

Non-NPS Collected Routes

Miles

0 2 4

N

Kings Canyon National Park

ROUTE LOCATION MAP

Map 1A

Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads.

Non-NPS Collected Routes

Miles

0 0.5 1

N

Kings Canyon National Park

ROUTE LOCATION MAP

Map 2

Note: Unique colors are used to differentiate roads.

Non-NPS Collected Routes

Miles

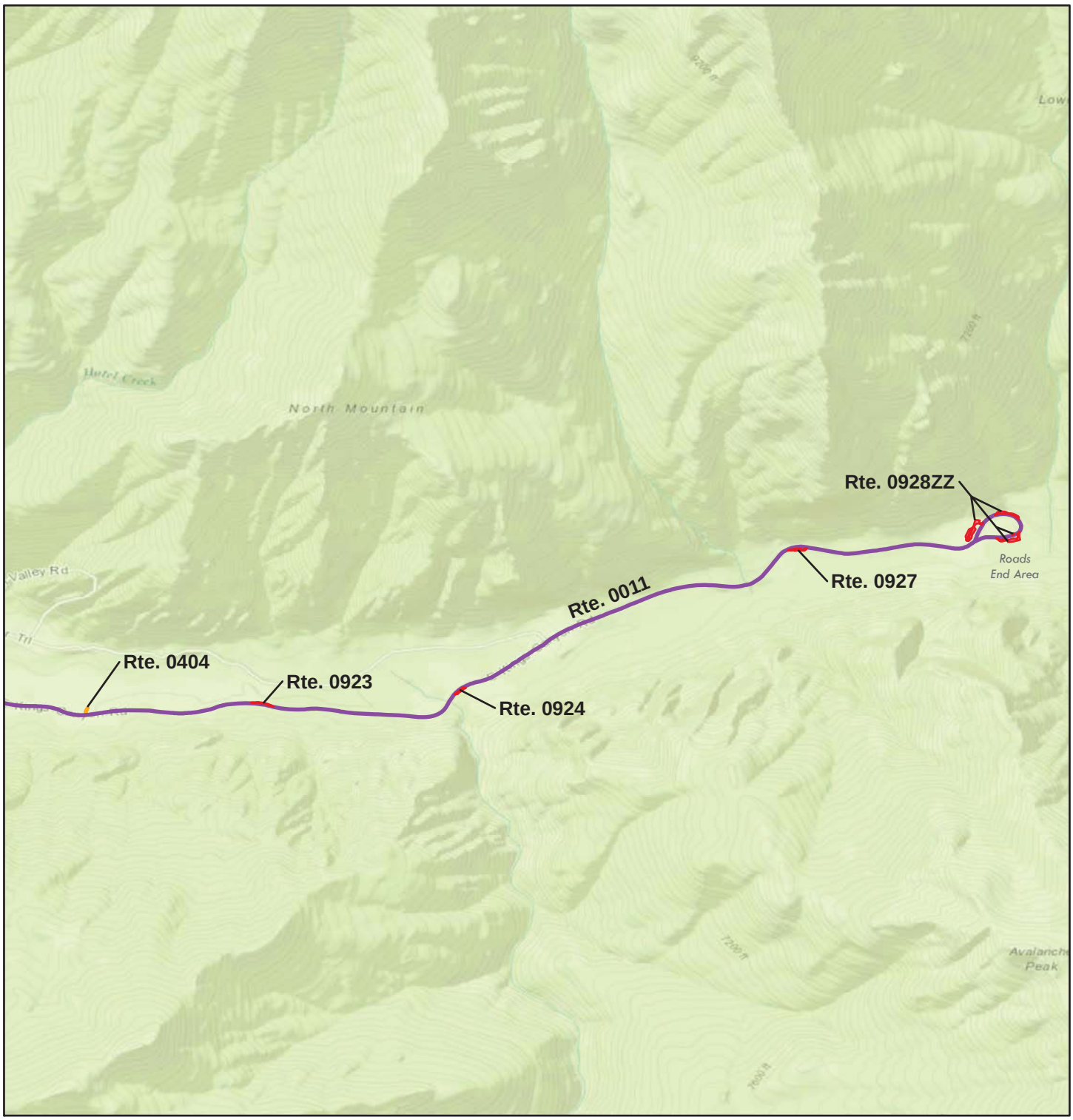
0 1 2

N

Kings Canyon National Park

ROUTE LOCATION MAP

Map 3



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads.

Non-NPS Collected Routes

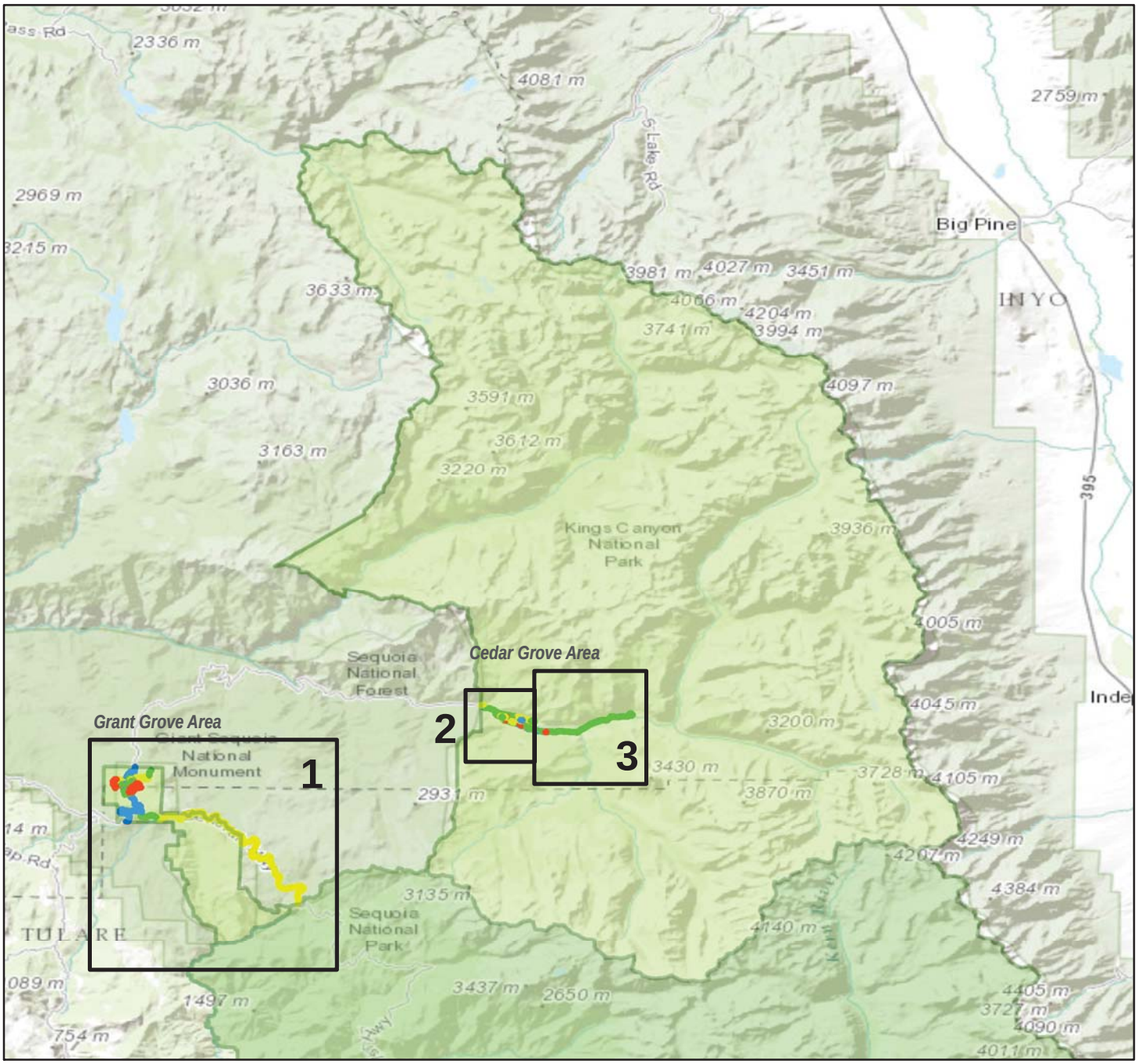
Miles

0 2 4

N

Kings Canyon National Park

ROUTE CONDITION MAP
PCR - MILE BY MILE
Key Map



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

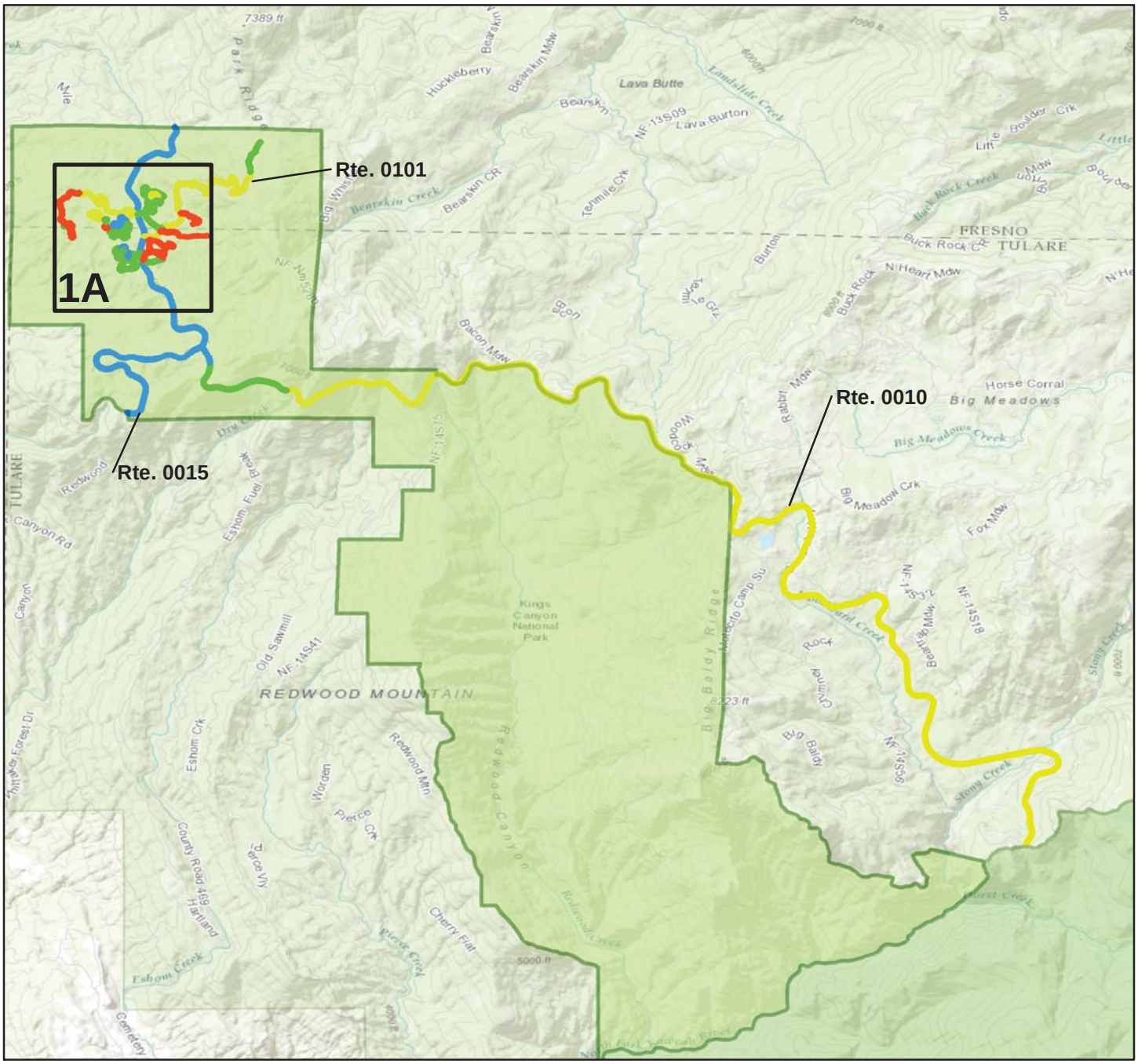
See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 10 20

N

Kings Canyon National Park

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 1



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

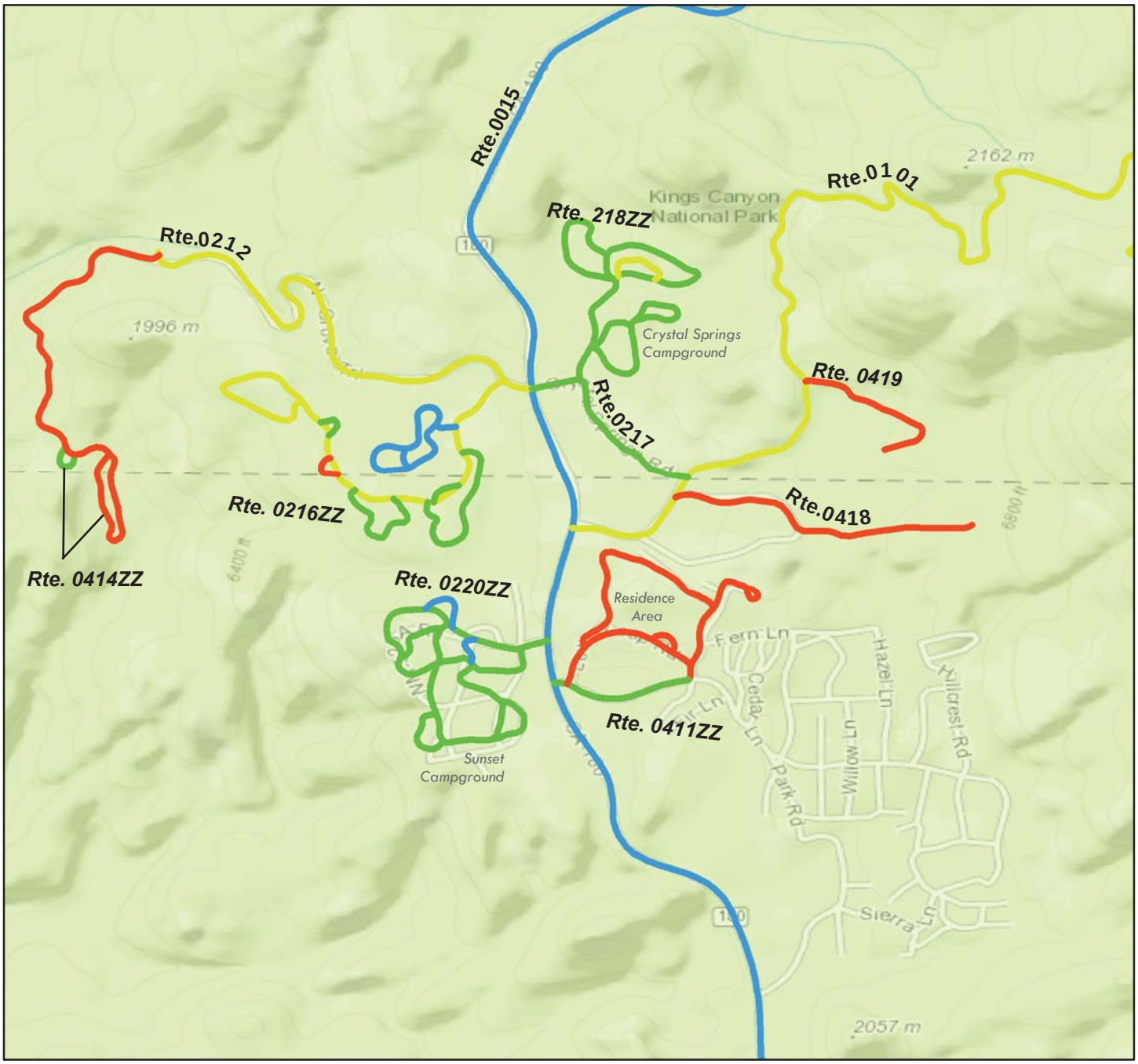
See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 2 4

N

Kings Canyon National Park

ROUTE CONDITION MAP
PCR - MILE BY MILE
Map 1A



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

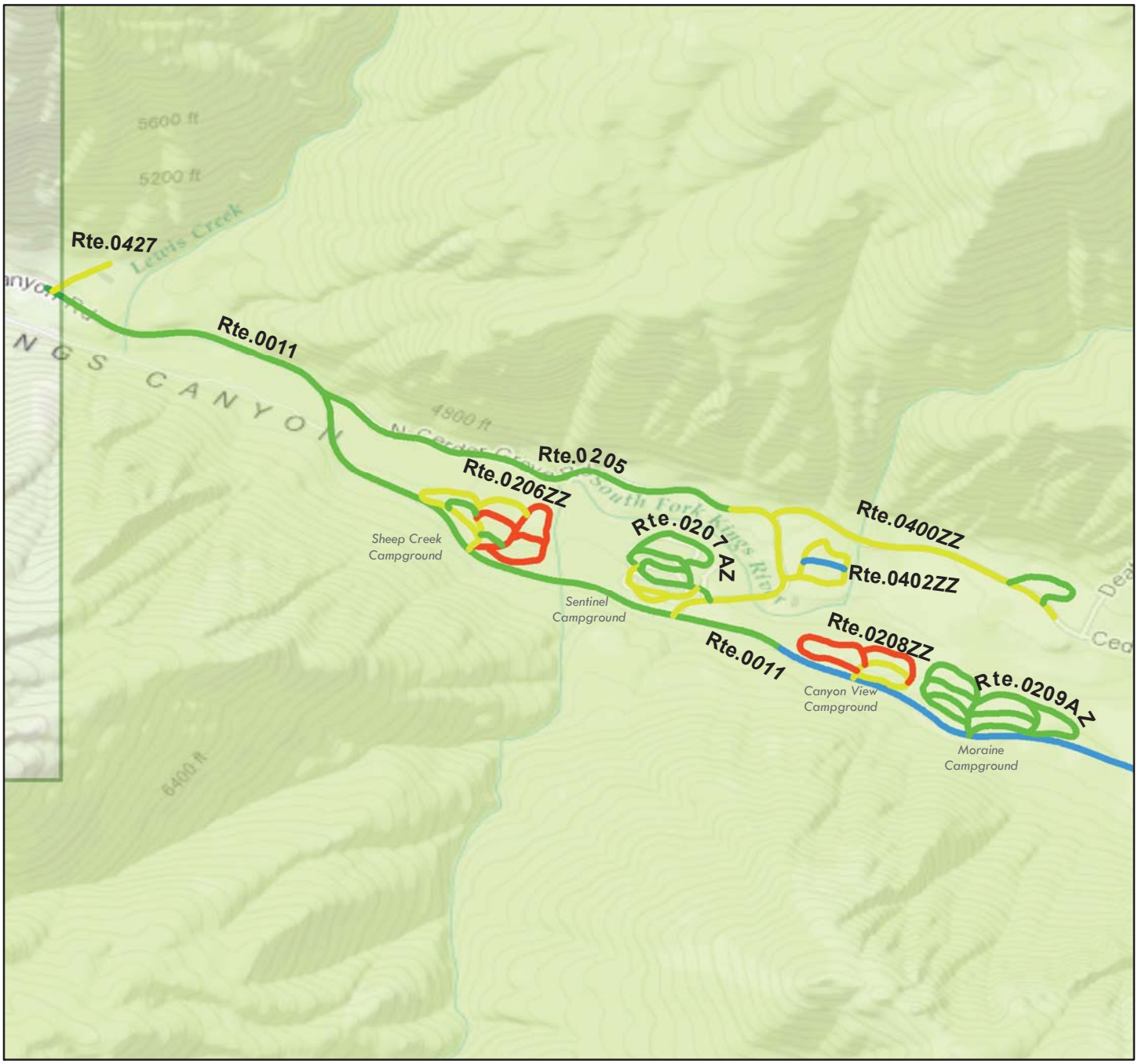
See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 0.3 0.6

N

Kings Canyon National Park

ROUTE CONDITION MAP
PCR - MILE BY MILE
Map 2



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

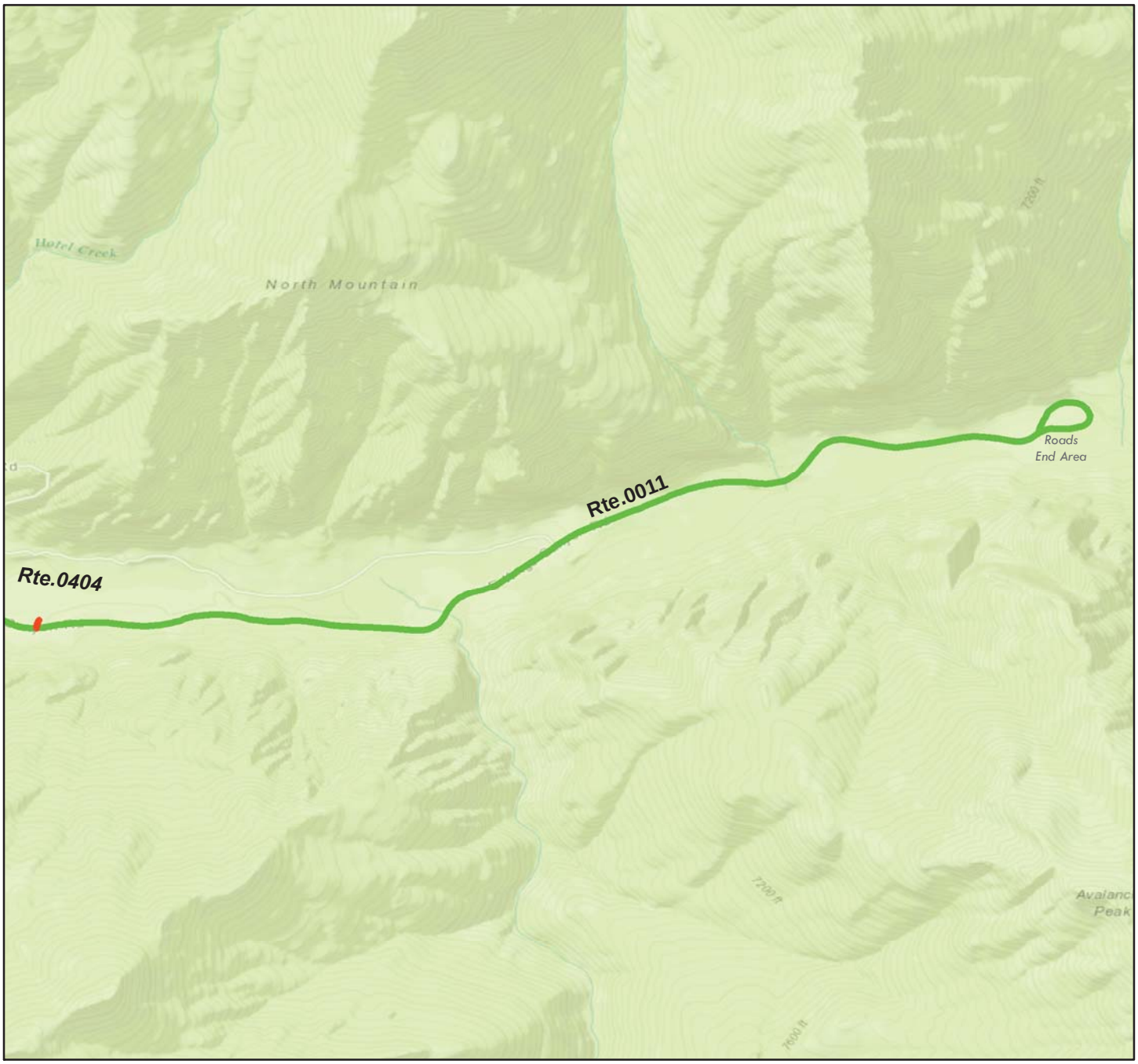
See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 0.5 1

N

Kings Canyon National Park

ROUTE CONDITION MAP
PCR - MILE BY MILE
Map 3



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 1 2

N

Section 5
Paved Road Condition Rating Sheets

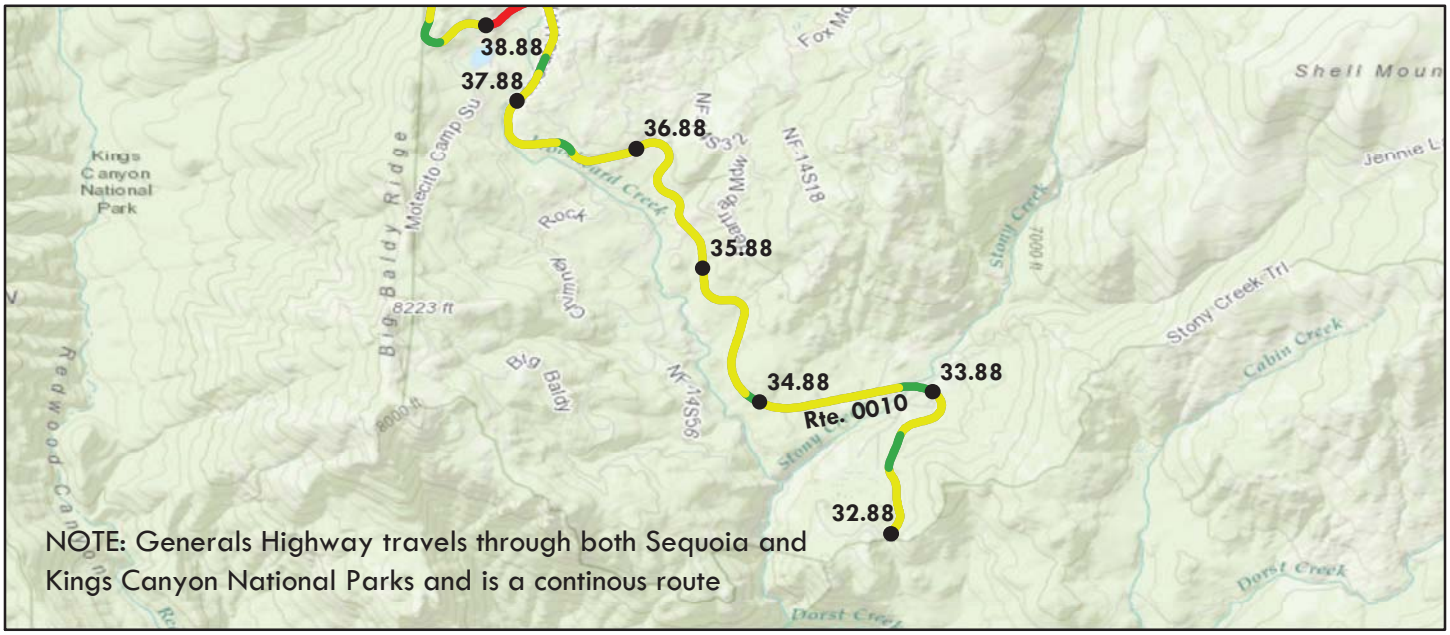
Kings Canyon National Park

Federal Lands Highway
Road Inventory Program

Kings Canyon National Park

ROUTE 0010: GENERALS HIGHWAY HISTORIC

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

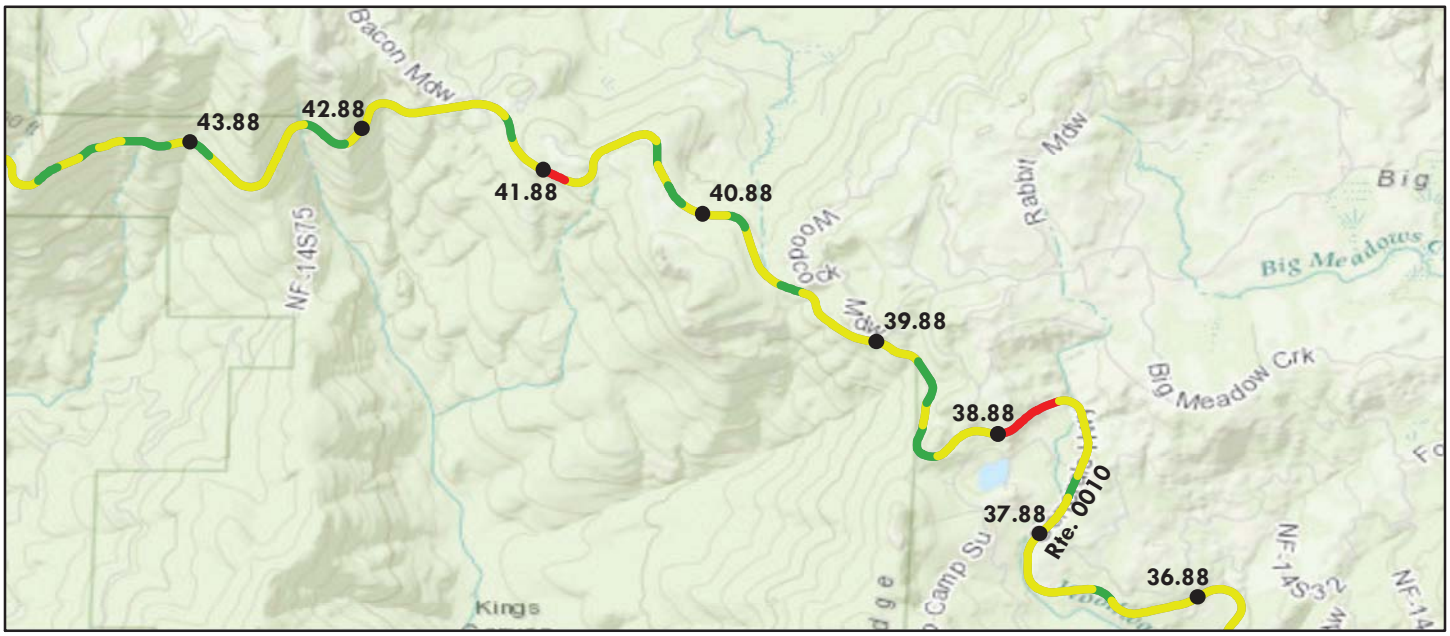
Inspection Date: 5/28/2015	**Beginning Section MP**	32.88	33.88	34.88	35.88	36.88
Paved Length (Miles): 13.21	**Section Length (MI)**	1	1	1	1	1
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	79	78	75	79	76	76
Surface Condition Rating (SCR)	90	96	87	91	86	86
Roughness Condition Index (RCI)	63	51	56	61	61	62
Distress Index Values						
Structural Crack Index	94	96	95	91	86	87
Alligator Crack Index	100	100	100	100	100	100
Longitudinal Crack Index	94	96	95	91	86	87
Transverse Cracking Index	90	96	87	94	86	86
Patching Index	100	100	100	100	100	99
Rutting Index	98	98	99	98	98	98
International Roughness Index (IRI)	228	280	256	236	234	232
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	22.5	21.6	21.9	22.5	21.5	21.4
Lane Width (ft)	9.8	9.3	9.7	9.9	9.6	9.9

NOTE: Because KICA Route 0010 is a continuation of SEQU Route 0010, the section numbers continue sequentially across both parks. For KICA Route 0010, MP 0 through 32, please see the Sequoia National Park Report.

Kings Canyon National Park

ROUTE 0010: GENERALS HIGHWAY HISTORIC

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

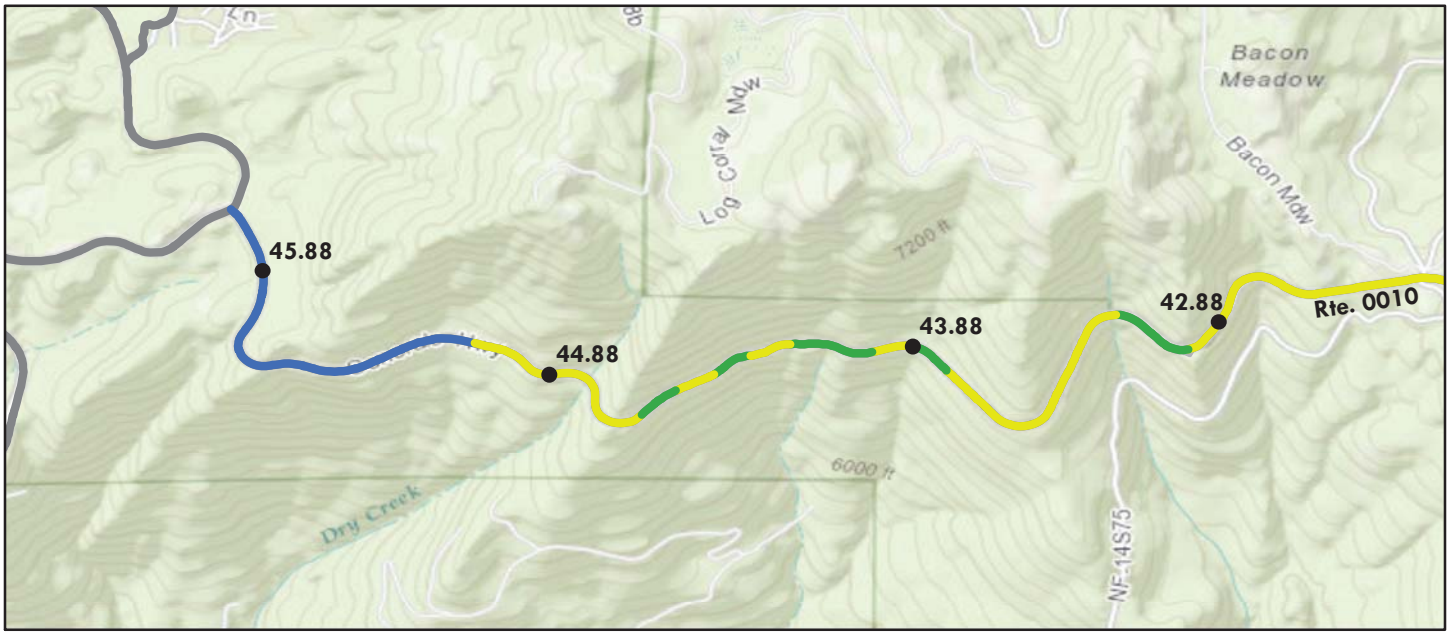
See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	37.88	38.88	39.88	40.88	41.88
Paved Length (Miles): 13.21	**Section Length (MI)**	1	1	1	1	1
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	79	71	82	79	75	77
Surface Condition Rating (SCR)	90	75	94	93	85	84
Roughness Condition Index (RCI)	63	65	63	58	60	67
Distress Index Values						
Structural Crack Index	94	92	96	95	95	94
Alligator Crack Index	100	100	100	100	100	100
Longitudinal Crack Index	94	92	96	95	95	94
Transverse Cracking Index	90	75	94	93	85	84
Patching Index	100	100	100	100	100	100
Rutting Index	98	99	98	97	98	99
International Roughness Index (IRI)	228	220	226	247	238	212
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	22.5	22.3	21.4	22.4	22.6	22.5
Lane Width (ft)	9.8	9.6	9.6	9.7	10	9.2

Kings Canyon National Park

ROUTE 0010: GENERALS HIGHWAY HISTORIC

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

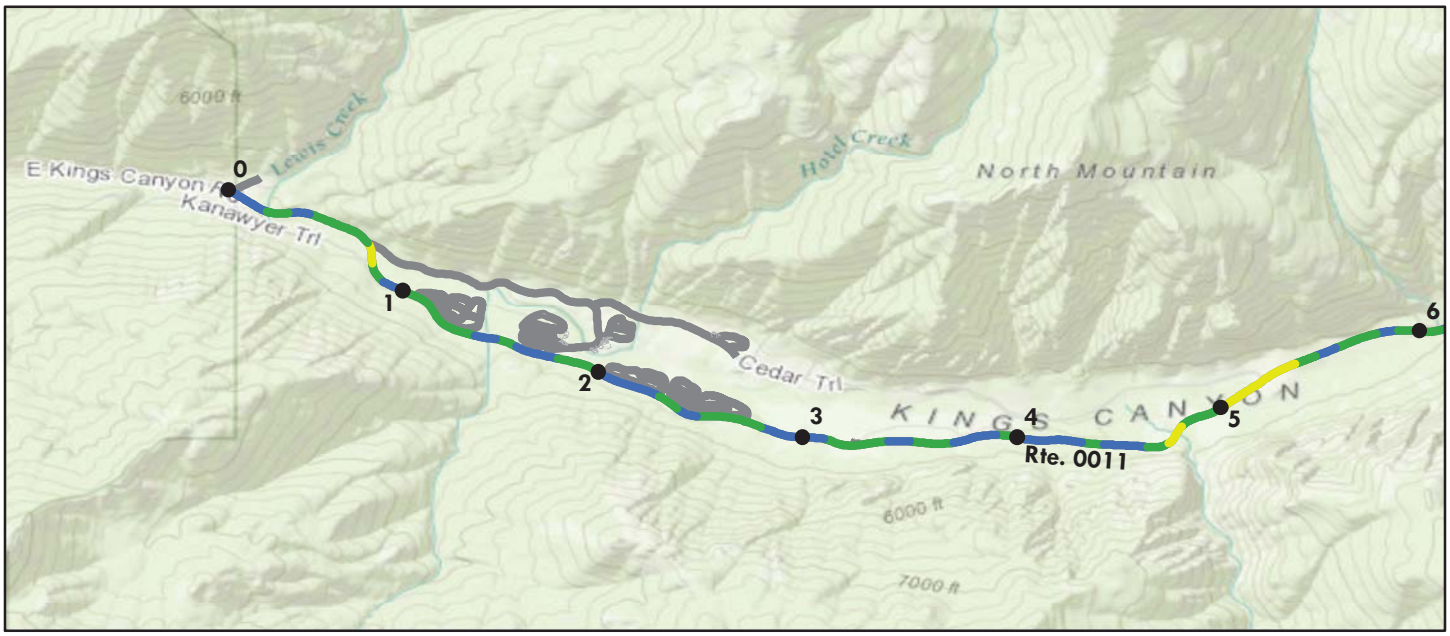
See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	42.88	43.88	44.88	45.88	
Paved Length (Miles): 13.21	**Section Length (MI)**	1	1	1	0.21	
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	79	82	82	93	97	
Surface Condition Rating (SCR)	90	96	94	98	97	
Roughness Condition Index (RCI)	63	62	64	86	98	
Distress Index Values						
Structural Crack Index	94	96	94	98	98	
Alligator Crack Index	100	98	97	100	100	
Longitudinal Crack Index	94	98	97	98	98	
Transverse Cracking Index	90	97	97	99	100	
Patching Index	100	100	100	100	100	
Rutting Index	98	98	98	98	97	
International Roughness Index (IRI)	228	232	225	153	119	
Lane & Width Information						
Number of Lanes	2	2	2	2	2	
Paved Width (ft)	22.5	23.8	25.9	22.9	23.6	
Lane Width (ft)	9.8	9.5	11.5	10.3	10	

Kings Canyon National Park

ROUTE 0011: CEDAR GROVE ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0	1	2	3	4
Paved Length (Miles): 7.58	**Section Length (MI)**	1	1	1	1	1
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	91	92	94	97	94	93
Surface Condition Rating (SCR)	97	98	99	98	98	97
Roughness Condition Index (RCI)	83	84	87	95	88	88
Distress Index Values						
Structural Crack Index	100	100	100	99	100	100
Alligator Crack Index	100	100	100	100	100	100
Longitudinal Crack Index	100	100	100	99	100	100
Transverse Cracking Index	97	98	100	98	98	97
Patching Index	100	100	99	100	100	100
Rutting Index	99	99	100	98	98	98
International Roughness Index (IRI)	159	156	150	128	147	146
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	23.9	24.9	24.9	25.4	24.9	24.6
Lane Width (ft)	11.2	11.8	11.8	11.8	11.2	11.7

Kings Canyon National Park

ROUTE 0011: CEDAR GROVE ROAD

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

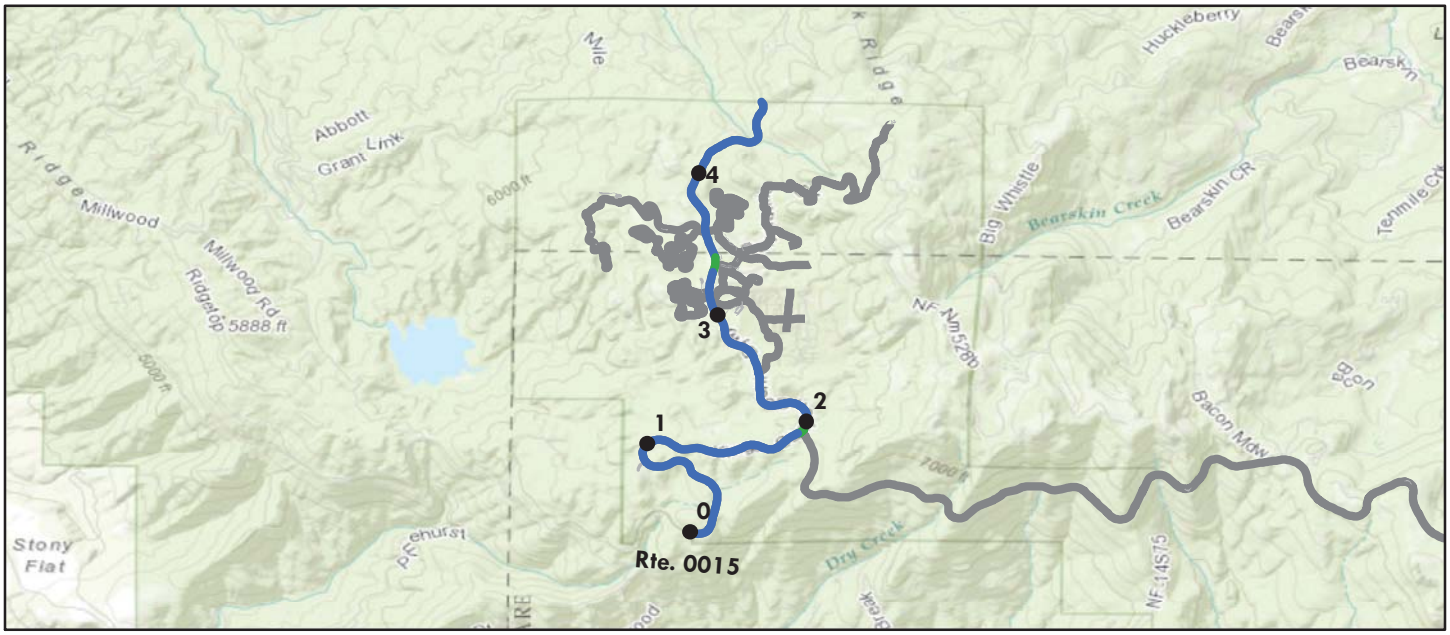
See Appendix for definitions and formulas

Inspection Date:	5/28/2015	**Beginning Section MP**	5	6	7		
Paved Length (Miles):	7.58	**Section Length (MI)**	1	1	0.58		
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		91	86	86	90		
Surface Condition Rating (SCR)		97	94	95	96		
Roughness Condition Index (RCI)		83	74	73	80		
Distress Index Values							
Structural Crack Index		100	100	100	100		
Alligator Crack Index		100	100	100	100		
Longitudinal Crack Index		100	100	100	100		
Transverse Cracking Index		97	94	95	96		
Patching Index		100	100	100	100		
Rutting Index		99	98	98	99		
International Roughness Index (IRI)		159	190	192	168		
Lane & Width Information							
Number of Lanes		2	2	2	2		
Paved Width (ft)		23.9	22.2	22	21.9		
Lane Width (ft)		11.2	10.7	10.2	10.4		

Kings Canyon National Park

ROUTE 0015: GRANT GROVE ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

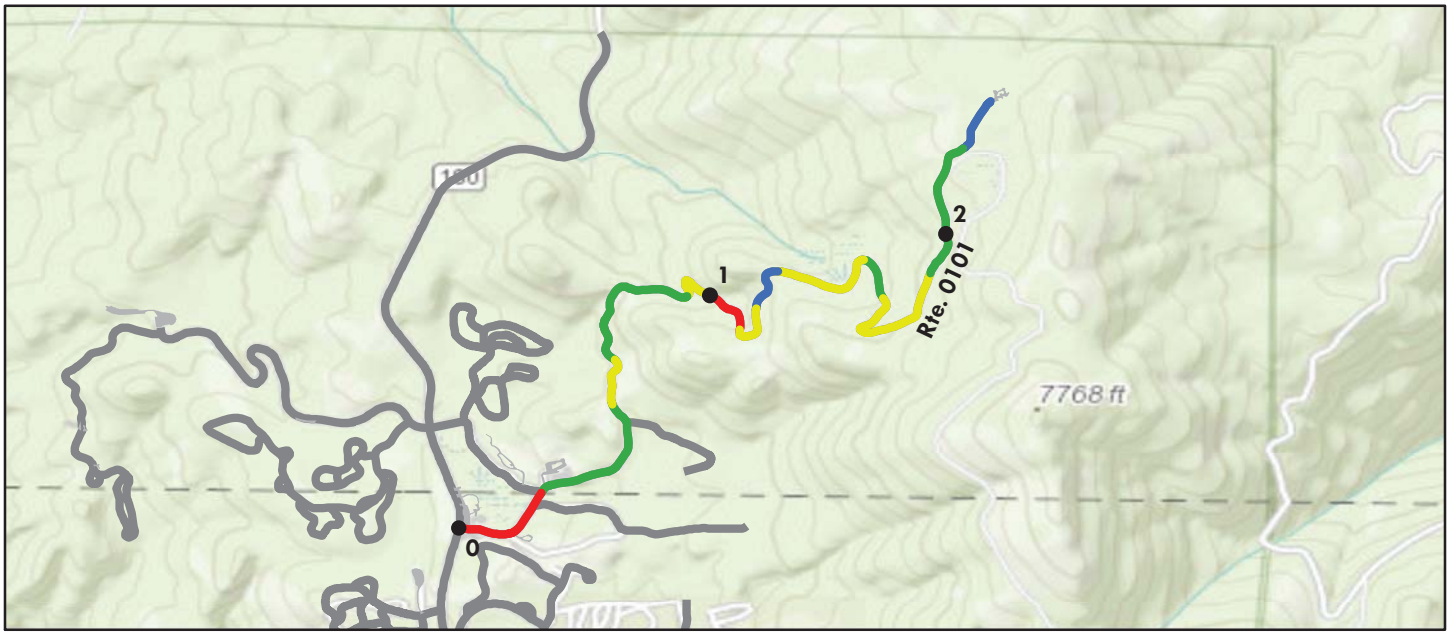
See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0	1	2	3	4
Paved Length (Miles): 4.7	**Section Length (MI)**	1	1	1	1	0.7
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	99	97	99	99	100	99
Surface Condition Rating (SCR)	99	98	98	99	100	99
Roughness Condition Index (RCI)	100	96	100	100	100	100
Distress Index Values						
Structural Crack Index	100	100	100	100	100	100
Alligator Crack Index	100	100	100	100	100	100
Longitudinal Crack Index	100	100	100	100	100	100
Transverse Cracking Index	100	100	99	100	100	100
Patching Index	100	100	100	100	100	100
Rutting Index	99	98	98	99	100	99
International Roughness Index (IRI)	109	124	108	107	108	92
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	26.5	26.1	26.2	27	26.1	26.8
Lane Width (ft)	10.5	10.5	10.4	10.4	10.6	10.6

Kings Canyon National Park

ROUTE 0101: PANORAMIC ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

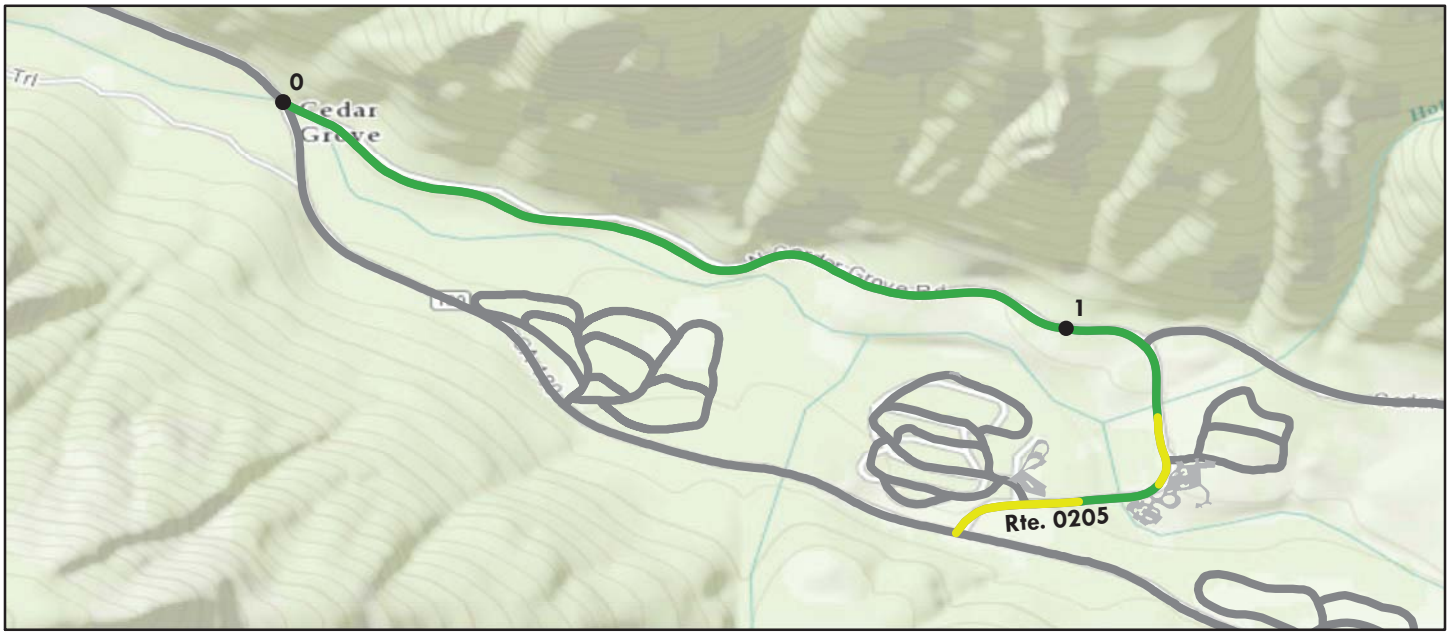
See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0	1	2		
Paved Length (Miles): 2.31	**Section Length (MI)**	1	1	0.31		
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	82	83	78	94		
Surface Condition Rating (SCR)	82	83	78	94		
Roughness Condition Index (RCI)	N/A	N/A	N/A	N/A		
Distress Index Values						
Structural Crack Index	82	83	78	95		
Alligator Crack Index	96	95	96	99		
Longitudinal Crack Index	86	88	82	96		
Transverse Cracking Index	93	87	96	99		
Patching Index	100	100	100	100		
Rutting Index	89	89	87	94		
International Roughness Index (IRI)	N/A	N/A	N/A	N/A		
Lane & Width Information						
Number of Lanes	1	2	1	1		
Paved Width (ft)	12.9	14.6	11.6	11.2		
Lane Width (ft)	10.4	9	11.6	11.2		

Kings Canyon National Park

ROUTE 0205: NORTH SIDE ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

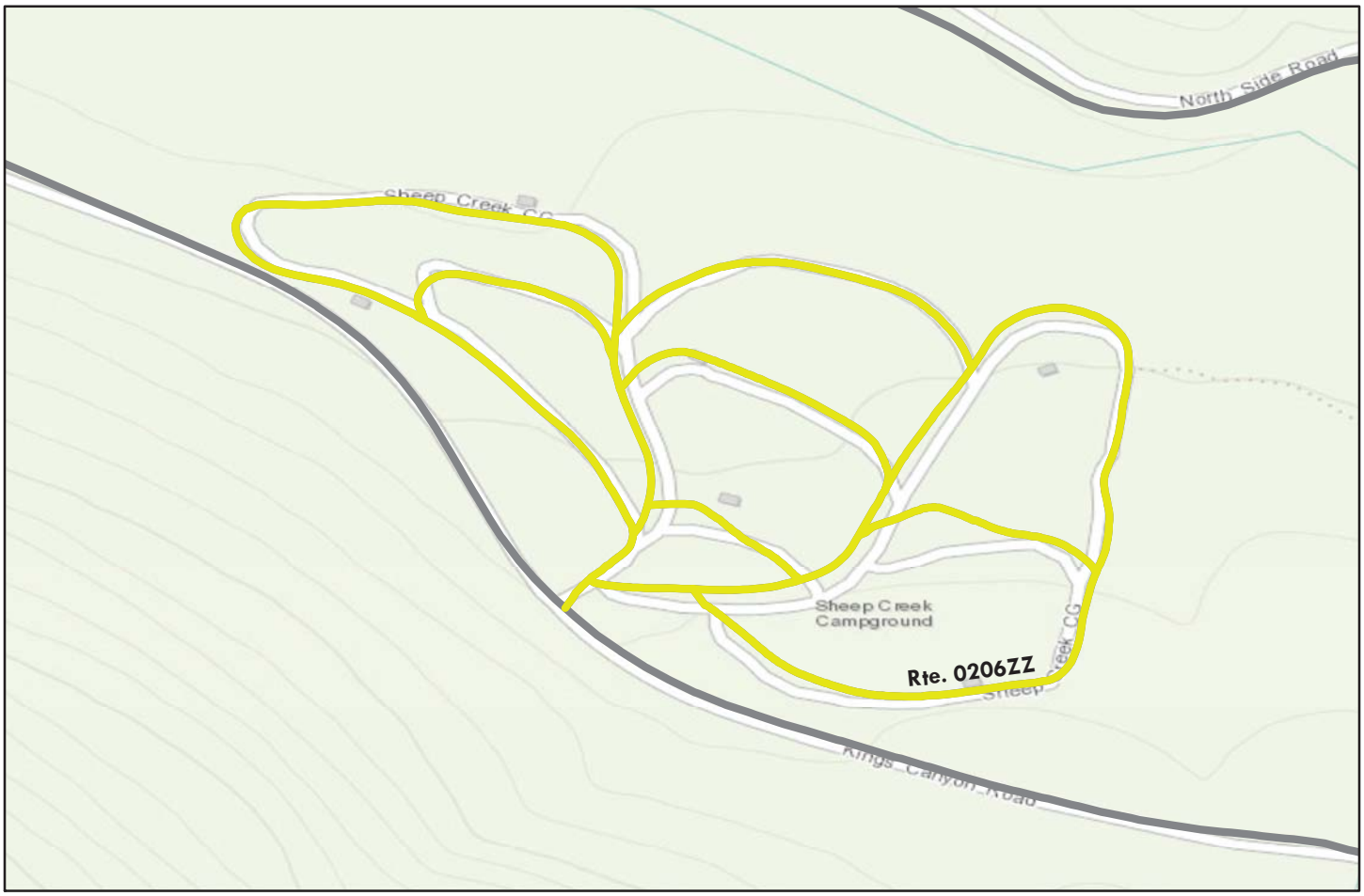
See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0	1			
Paved Length (Miles): 1.56	**Section Length (MI)**	1	0.56			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	87	89	83			
Surface Condition Rating (SCR)	98	99	94			
Roughness Condition Index (RCI)	71	74	66			
Distress Index Values						
Structural Crack Index	99	100	98			
Alligator Crack Index	100	100	100			
Longitudinal Crack Index	99	100	98			
Transverse Cracking Index	98	100	94			
Patching Index	100	100	100			
Rutting Index	98	99	98			
International Roughness Index (IRI)	197	187	217			
Lane & Width Information						
Number of Lanes	2	2	2			
Paved Width (ft)	18	17.7	18.6			
Lane Width (ft)	8.7	8.8	8.6			

Kings Canyon National Park

ROUTE 0206ZZ: SHEEP CREEK CAMPGROUND ROADS

Summary Route



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	5/28/2015
Paved Length (Miles):	1.43
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	70
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	12.7
Lane Width (ft)	11.8

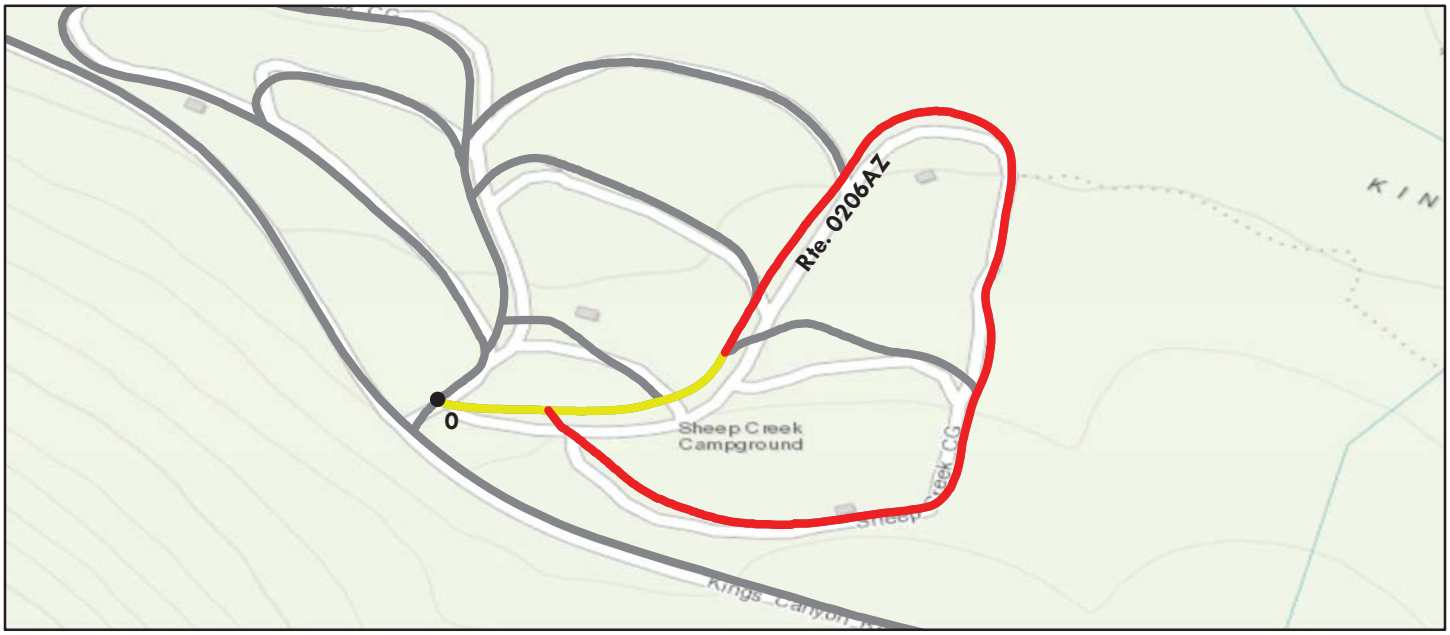
Route Summary

Kings Canyon National Park

ROUTE 0206AZ: SHEEP CREEK CAMPGROUND ROAD A

Subcomponent of Route KICA-0206ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

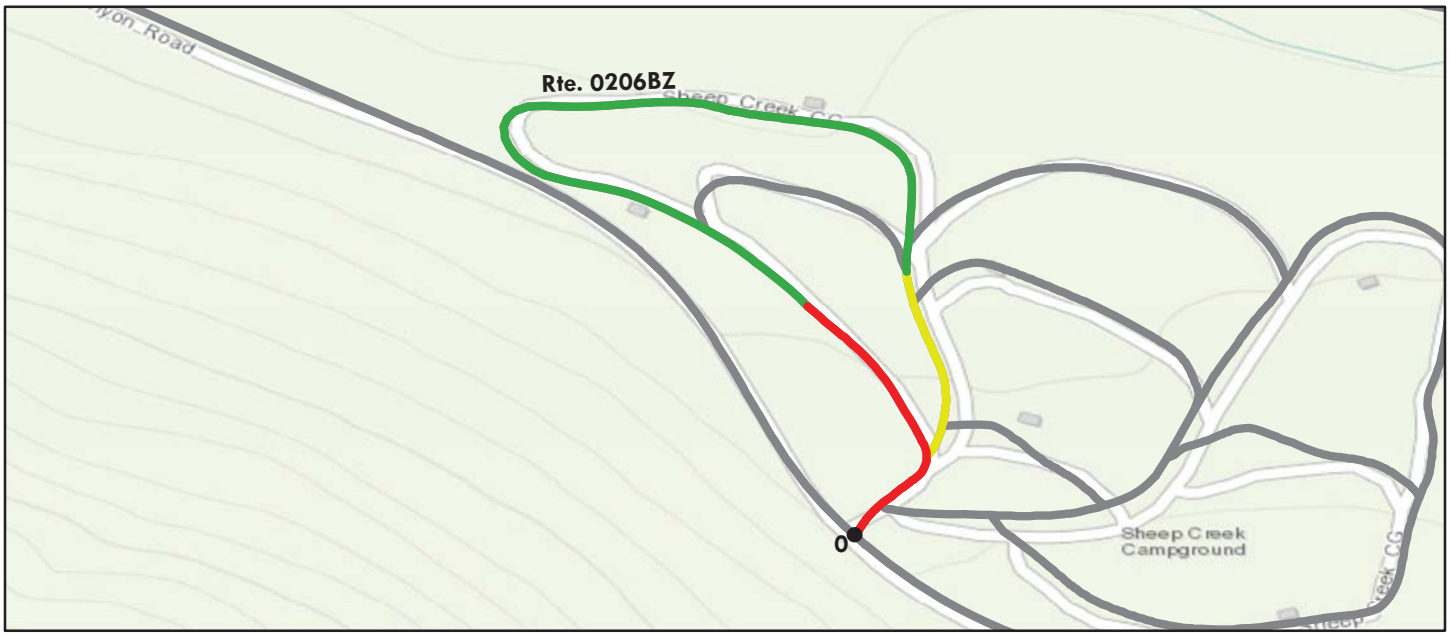
Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.49	**Section Length (MI)**	0.49				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	53	53				
Surface Condition Rating (SCR)	53	53				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	91	91				
Alligator Crack Index	100	100				
Longitudinal Crack Index	91	91				
Transverse Cracking Index	53	53				
Patching Index	100	100				
Rutting Index	93	93				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	11.8	11.8				
Lane Width (ft)	10.9	10.9				

Kings Canyon National Park

ROUTE 0206BZ: SHEEP CREEK CAMPGROUND ROAD B

Subcomponent of Route KICA-0206ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

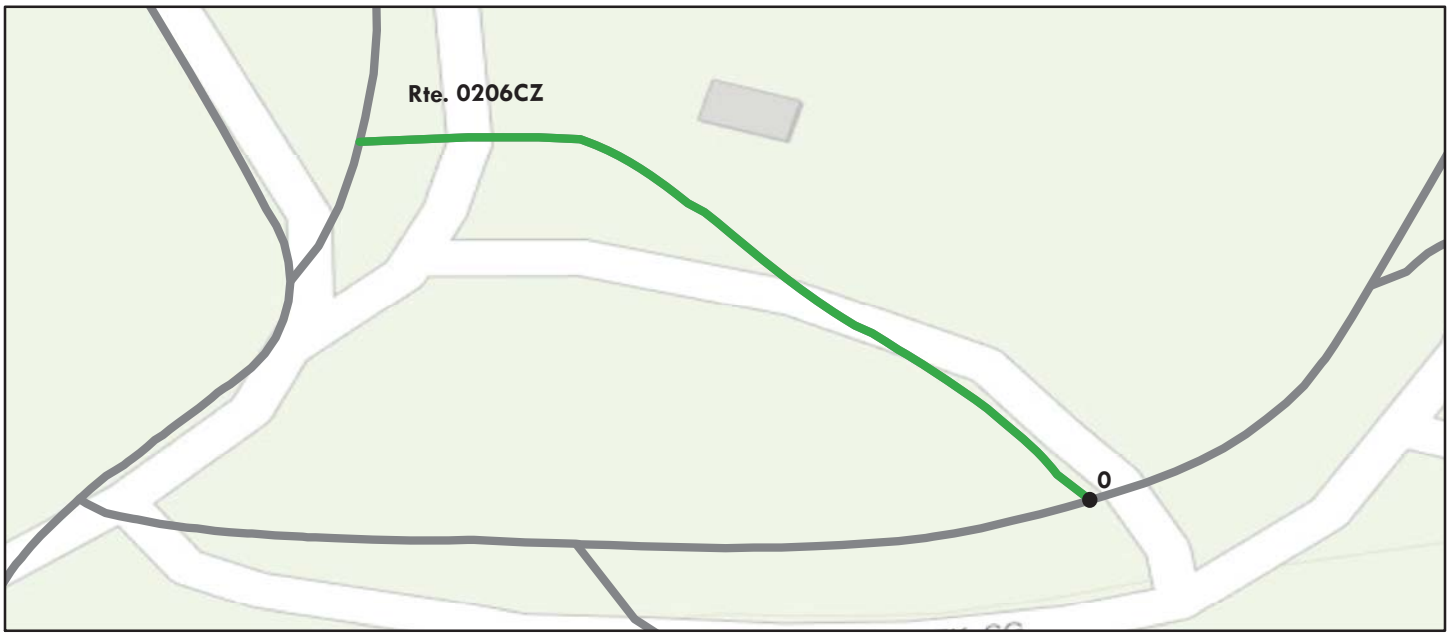
Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.47	**Section Length (MI)**	0.47				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	81	81				
Surface Condition Rating (SCR)	81	81				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	95	95				
Alligator Crack Index	100	100				
Longitudinal Crack Index	95	95				
Transverse Cracking Index	81	81				
Patching Index	100	100				
Rutting Index	93	93				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	13.8	13.8				
Lane Width (ft)	12	12				

Kings Canyon National Park

ROUTE 0206CZ: SHEEP CREEK CAMPGROUND ROAD C

Subcomponent of Route KICA-0206ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

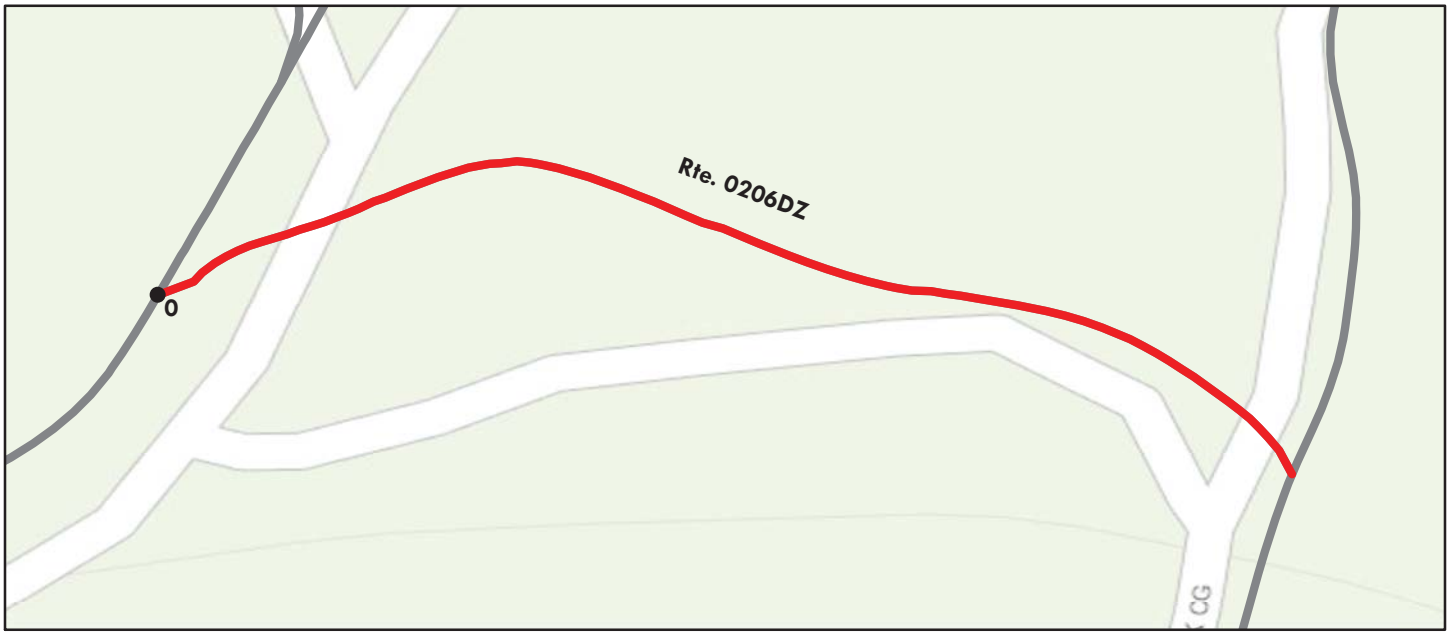
Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.07	**Section Length (MI)**	0.07				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	90	90				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	90	90				
Patching Index	100	100				
Rutting Index	96	96				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	14.7	14.7				
Lane Width (ft)	14.7	14.7				

Kings Canyon National Park

ROUTE 0206DZ: SHEEP CREEK CAMPGROUND ROAD D

Subcomponent of Route KICA-0206ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

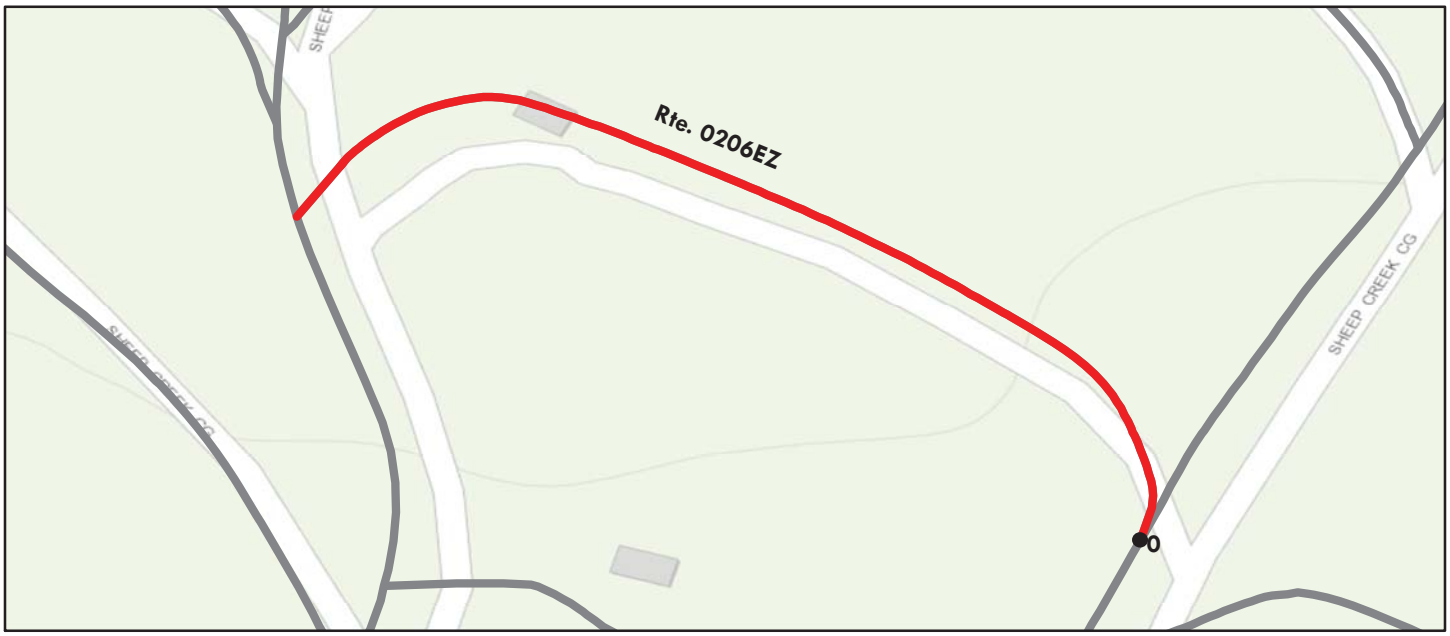
Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.08	**Section Length (MI)**	0.08				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	58	58				
Surface Condition Rating (SCR)	58	58				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	92	92				
Alligator Crack Index	100	100				
Longitudinal Crack Index	92	92				
Transverse Cracking Index	58	58				
Patching Index	100	100				
Rutting Index	92	92				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	12.1	12.1				
Lane Width (ft)	12.1	12.1				

Kings Canyon National Park

ROUTE 0206EZ: SHEEP CREEK CAMPGROUND ROAD E

Subcomponent of Route KICA-0206ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

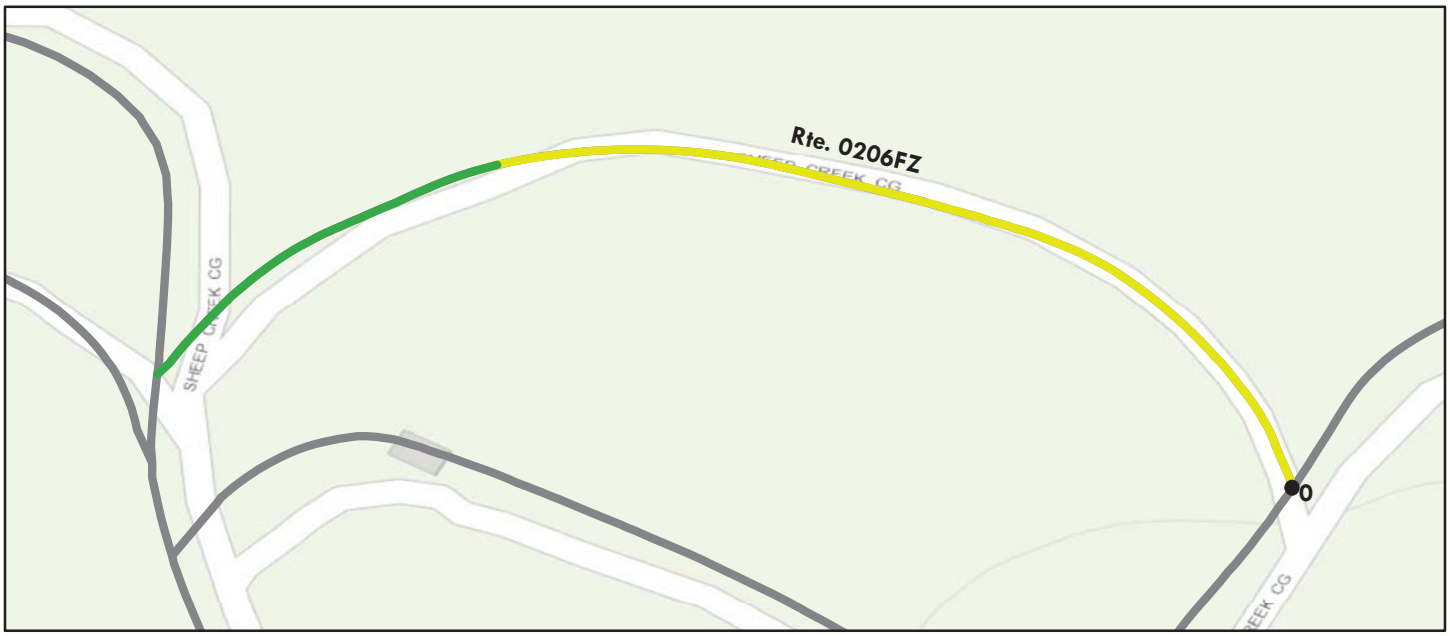
Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.11	**Section Length (MI)**	0.11				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	52	52				
Surface Condition Rating (SCR)	52	52				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	94	94				
Alligator Crack Index	100	100				
Longitudinal Crack Index	94	94				
Transverse Cracking Index	52	52				
Patching Index	100	100				
Rutting Index	94	94				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	11.6	11.6				
Lane Width (ft)	11.6	11.6				

Kings Canyon National Park

ROUTE 0206FZ: SHEEP CREEK CAMPGROUND ROAD F

Subcomponent of Route KICA-0206ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.14	**Section Length (MI)**	0.14				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	79	79				
Surface Condition Rating (SCR)	79	79				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	97	97				
Alligator Crack Index	100	100				
Longitudinal Crack Index	97	97				
Transverse Cracking Index	79	79				
Patching Index	100	100				
Rutting Index	96	96				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	13.8	13.8				
Lane Width (ft)	13.8	13.8				

Kings Canyon National Park

ROUTE 0206GZ: SHEEP CREEK CAMPGROUND ROAD G

Subcomponent of Route KICA-0206ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

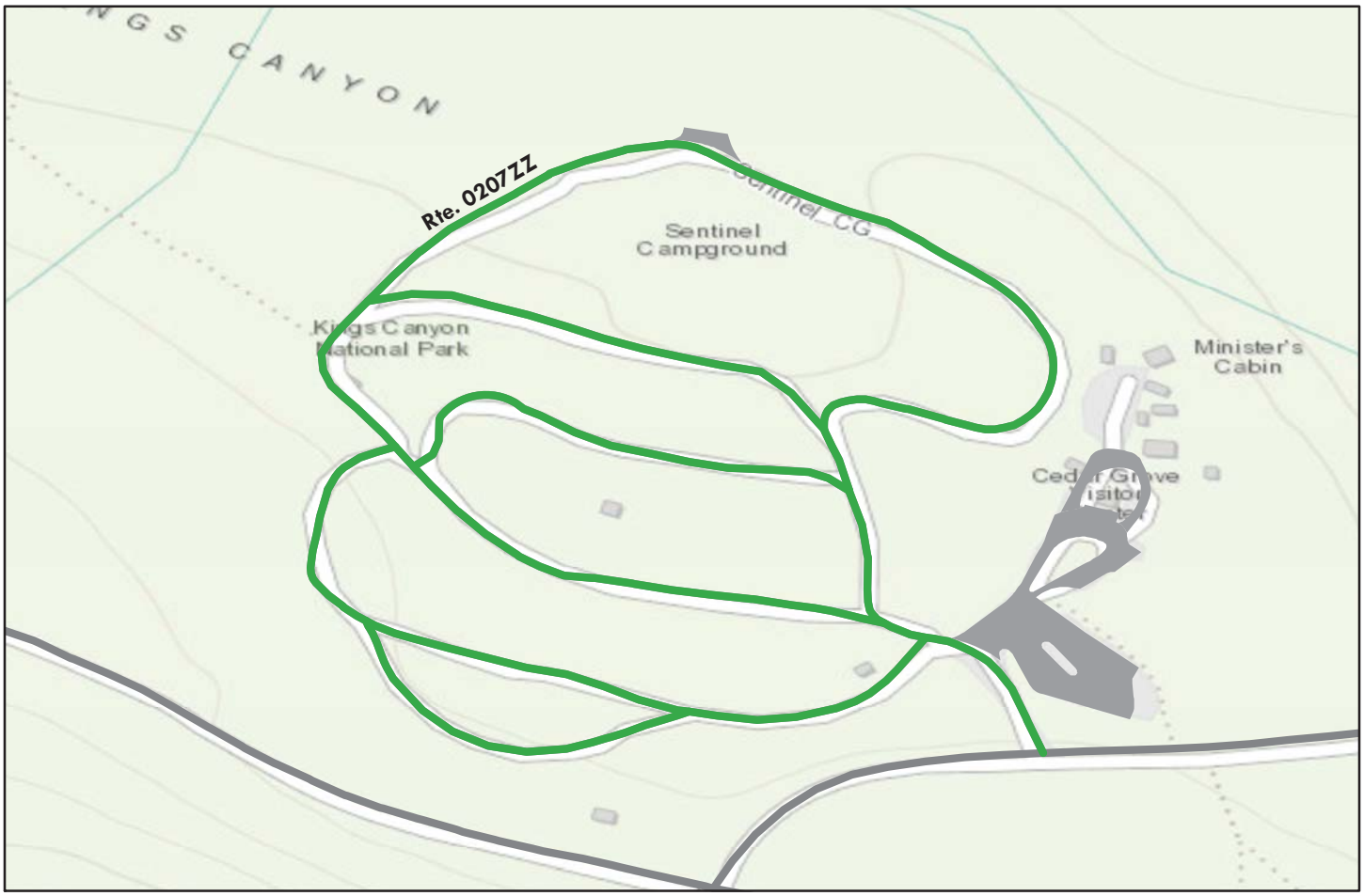
See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.09	**Section Length (MI)**	0.09				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	93	93				
Surface Condition Rating (SCR)	93	93				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	96	96				
Alligator Crack Index	100	100				
Longitudinal Crack Index	96	96				
Transverse Cracking Index	93	93				
Patching Index	100	100				
Rutting Index	96	96				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.2	10.2				
Lane Width (ft)	10.2	10.2				

Kings Canyon National Park

ROUTE 0207ZZ: SENTINEL CAMPGROUND ROADS

Summary Route



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

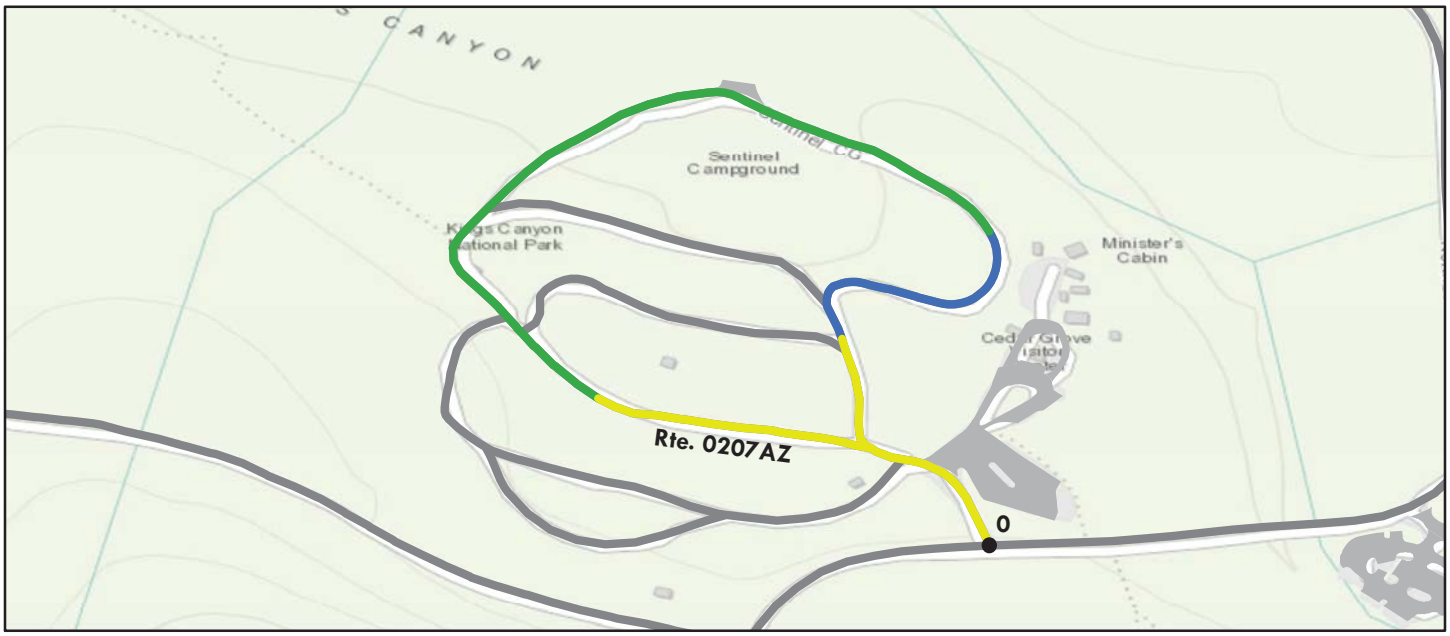
Inspection Date:	5/28/2015	
Paved Length (Miles):	1.16	
Surface Type:	ASPHALT	**Route Summary**
Roadway Condition Information		
Pavement Condition Rating (PCR)		85
Lane & Width Information		
Number of Lanes		1
Paved Width (ft)		10.9
Lane Width (ft)		10.9

Kings Canyon National Park

ROUTE 0207AZ: SENTINEL CAMPGROUND ROAD A

Subcomponent of Route KICA-0207ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

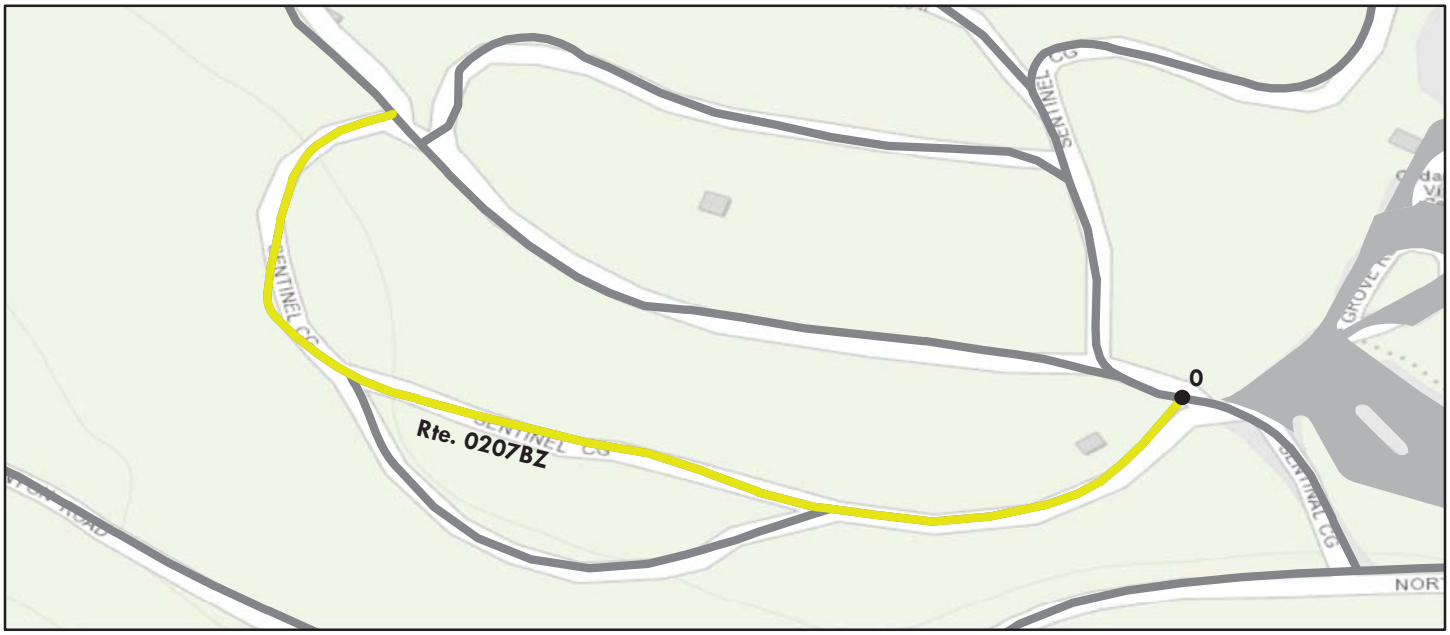
Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.6	**Section Length (MI)**	0.6				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	88	88				
Surface Condition Rating (SCR)	88	88				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	95	95				
Alligator Crack Index	100	100				
Longitudinal Crack Index	95	95				
Transverse Cracking Index	88	88				
Patching Index	100	100				
Rutting Index	93	93				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	11.8	11.8				
Lane Width (ft)	11.8	11.8				

Kings Canyon National Park

ROUTE 0207BZ: SENTINEL CAMPGROUND ROAD B

Subcomponent of Route KICA-0207ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles):	0.22	**Section Length (MI)**	0.22				
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		74	74				
Surface Condition Rating (SCR)		74	74				
Roughness Condition Index (RCI)		N/A	N/A				
Distress Index Values							
Structural Crack Index		89	89				
Alligator Crack Index		100	100				
Longitudinal Crack Index		89	89				
Transverse Cracking Index		74	74				
Patching Index		100	100				
Rutting Index		92	92				
International Roughness Index (IRI)		N/A	N/A				
Lane & Width Information							
Number of Lanes		1	1				
Paved Width (ft)		11.6	11.6				
Lane Width (ft)		11.6	11.6				

Kings Canyon National Park

ROUTE 0207CZ: SENTINEL CAMPGROUND ROAD C

Subcomponent of Route KICA-0207ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.12	**Section Length (MI)**	0.12				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	92	92				
Surface Condition Rating (SCR)	92	92				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	92	92				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	9.5	9.5				
Lane Width (ft)	9.5	9.5				

Kings Canyon National Park

ROUTE 0207DZ: SENTINEL CAMPGROUND ROAD D

Subcomponent of Route KICA-0207ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

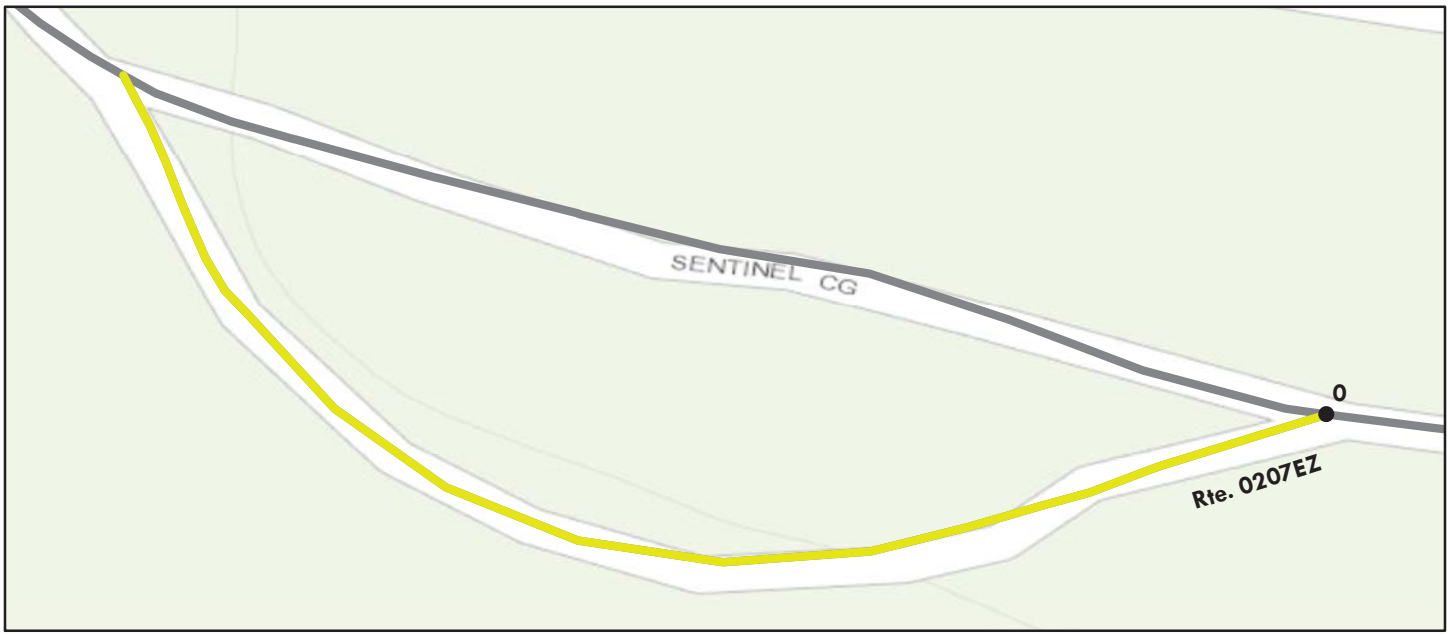
Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.12	**Section Length (MI)**	0.12				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	93	93				
Surface Condition Rating (SCR)	93	93				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	93	93				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	8.8	8.8				
Lane Width (ft)	8.8	8.8				

Kings Canyon National Park

ROUTE 0207EZ: SENTINEL CAMPGROUND ROAD E

Subcomponent of Route KICA-0207ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

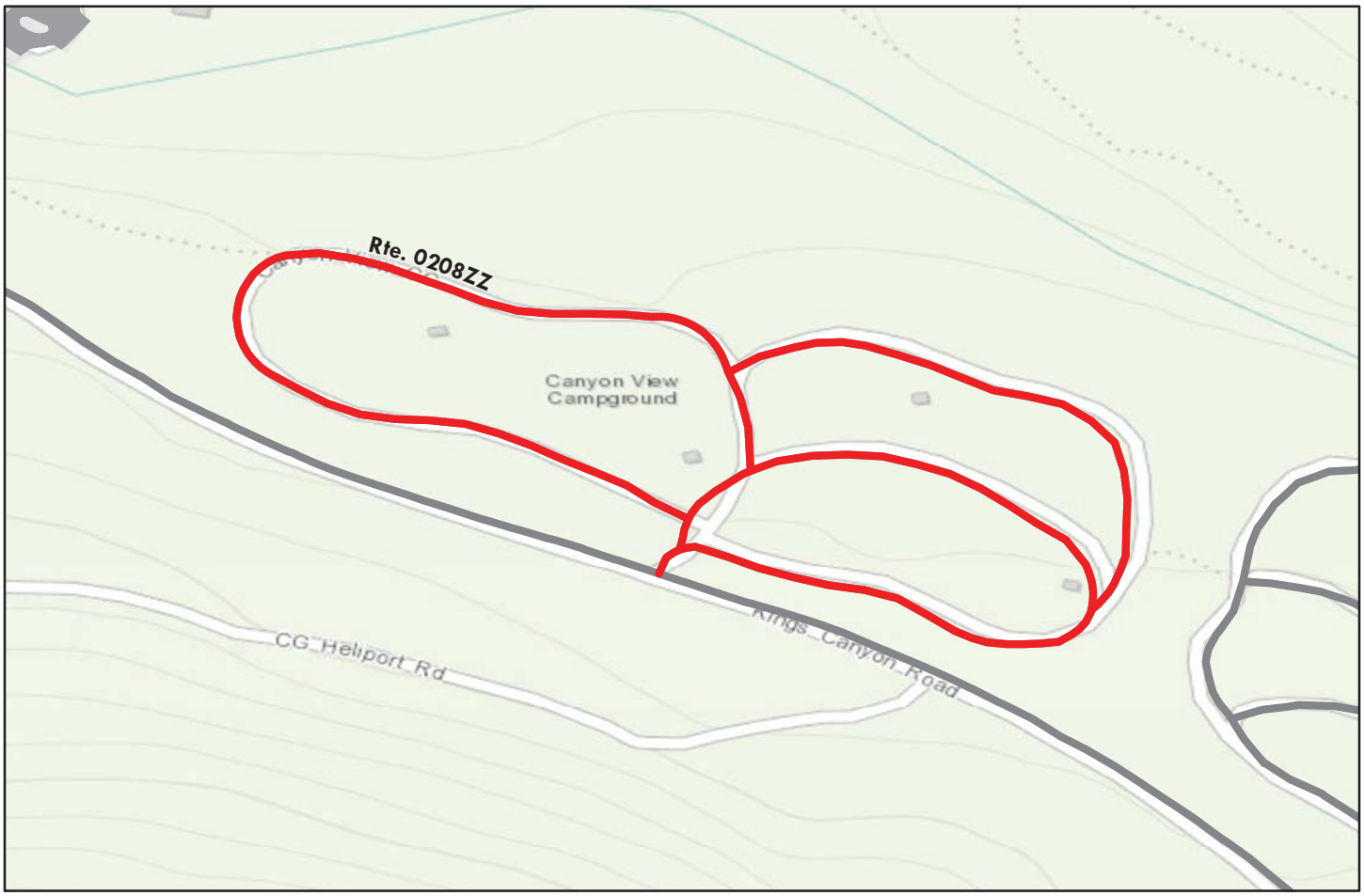
See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.1	**Section Length (MI)**	0.1				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	66	66				
Surface Condition Rating (SCR)	66	66				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	93	93				
Alligator Crack Index	100	100				
Longitudinal Crack Index	93	93				
Transverse Cracking Index	66	66				
Patching Index	100	100				
Rutting Index	92	92				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	8.4	8.4				
Lane Width (ft)	8.4	8.4				

Kings Canyon National Park

ROUTE 0208ZZ: CANYON VIEW CAMPGROUND ROADS

Summary Route



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	5/28/2015
Paved Length (Miles):	0.84
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	49
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	10.1
Lane Width (ft)	10.1

Route Summary

Kings Canyon National Park

ROUTE 0208AZ: CANYON VIEW CAMPGROUND ROAD A

Subcomponent of Route KICA-0208ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

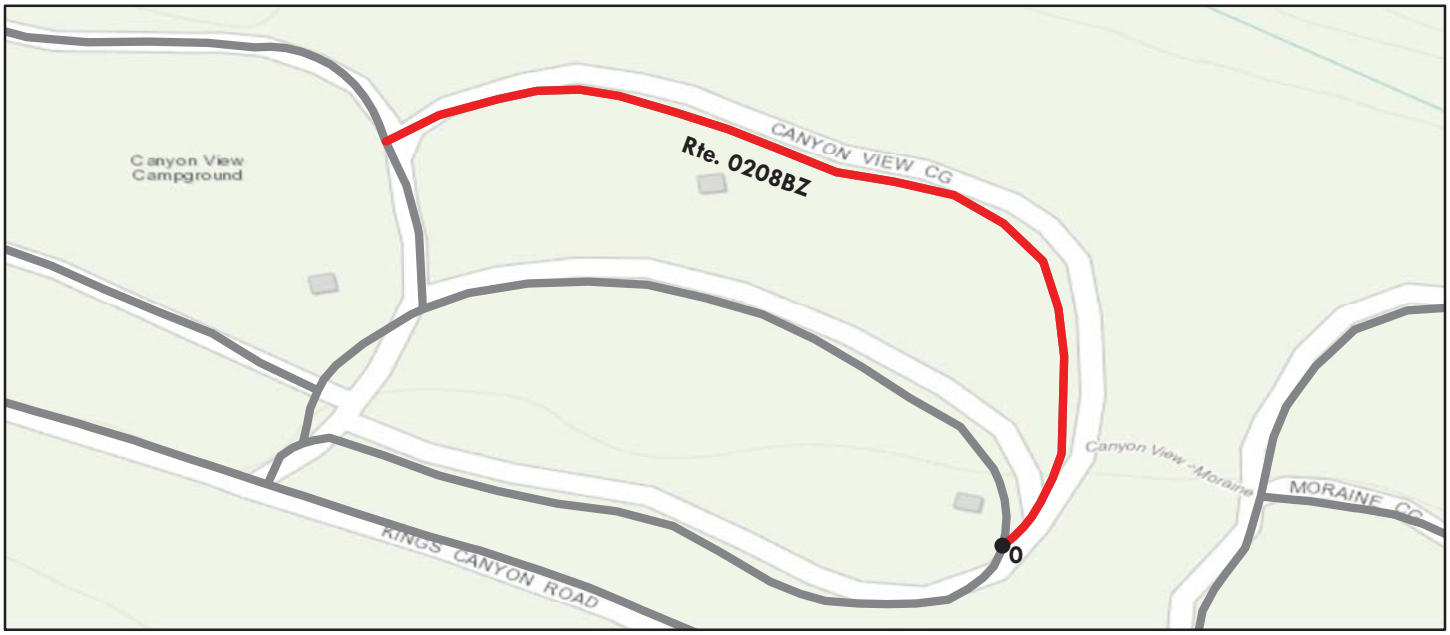
Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.31	**Section Length (MI)**	0.31				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	63	63				
Surface Condition Rating (SCR)	63	63				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	74	74				
Alligator Crack Index	100	100				
Longitudinal Crack Index	74	74				
Transverse Cracking Index	94	94				
Patching Index	98	98				
Rutting Index	63	63				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	9.9	9.9				
Lane Width (ft)	9.9	9.9				

Kings Canyon National Park

ROUTE 0208BZ: CANYON VIEW CAMPGROUND ROAD B

Subcomponent of Route KICA-0208ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

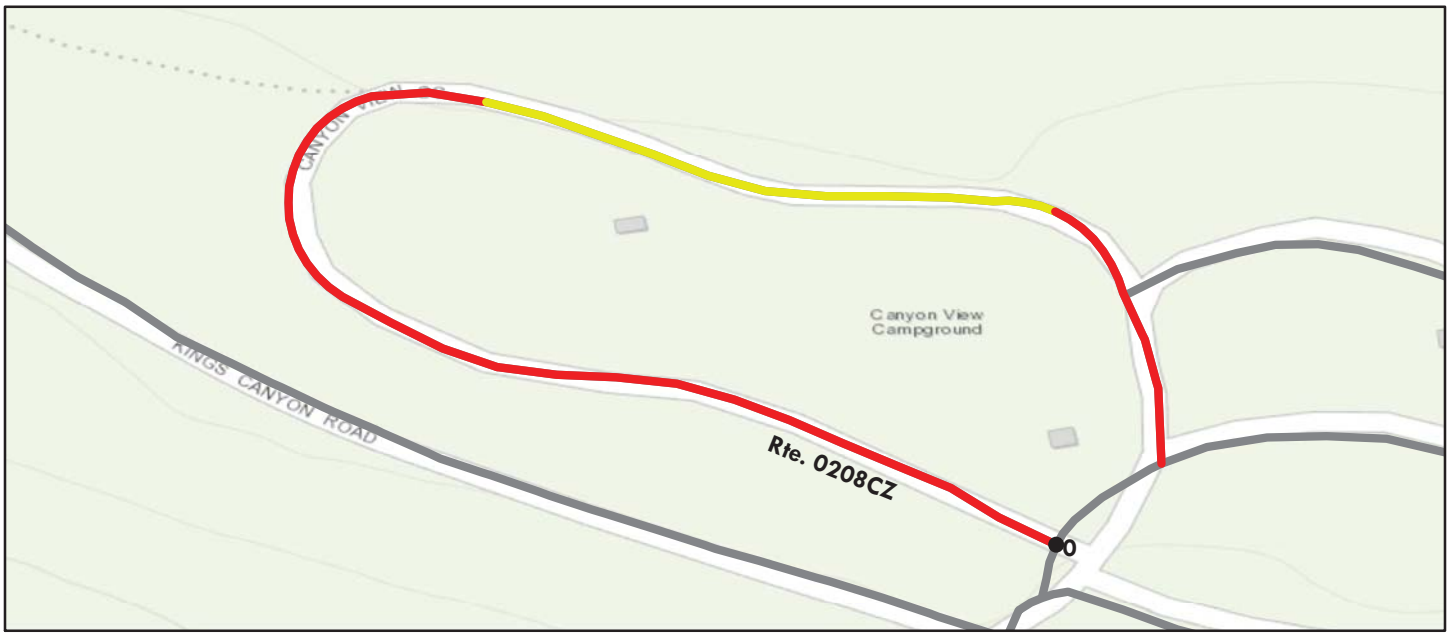
Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.18	**Section Length (MI)**	0.18				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	54	54				
Surface Condition Rating (SCR)	54	54				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	57	57				
Alligator Crack Index	98	98				
Longitudinal Crack Index	59	59				
Transverse Cracking Index	91	91				
Patching Index	93	93				
Rutting Index	54	54				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.5	10.5				
Lane Width (ft)	10.5	10.5				

Kings Canyon National Park

ROUTE 0208CZ: CANYON VIEW CAMPGROUND ROAD C

Subcomponent of Route KICA-0208ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

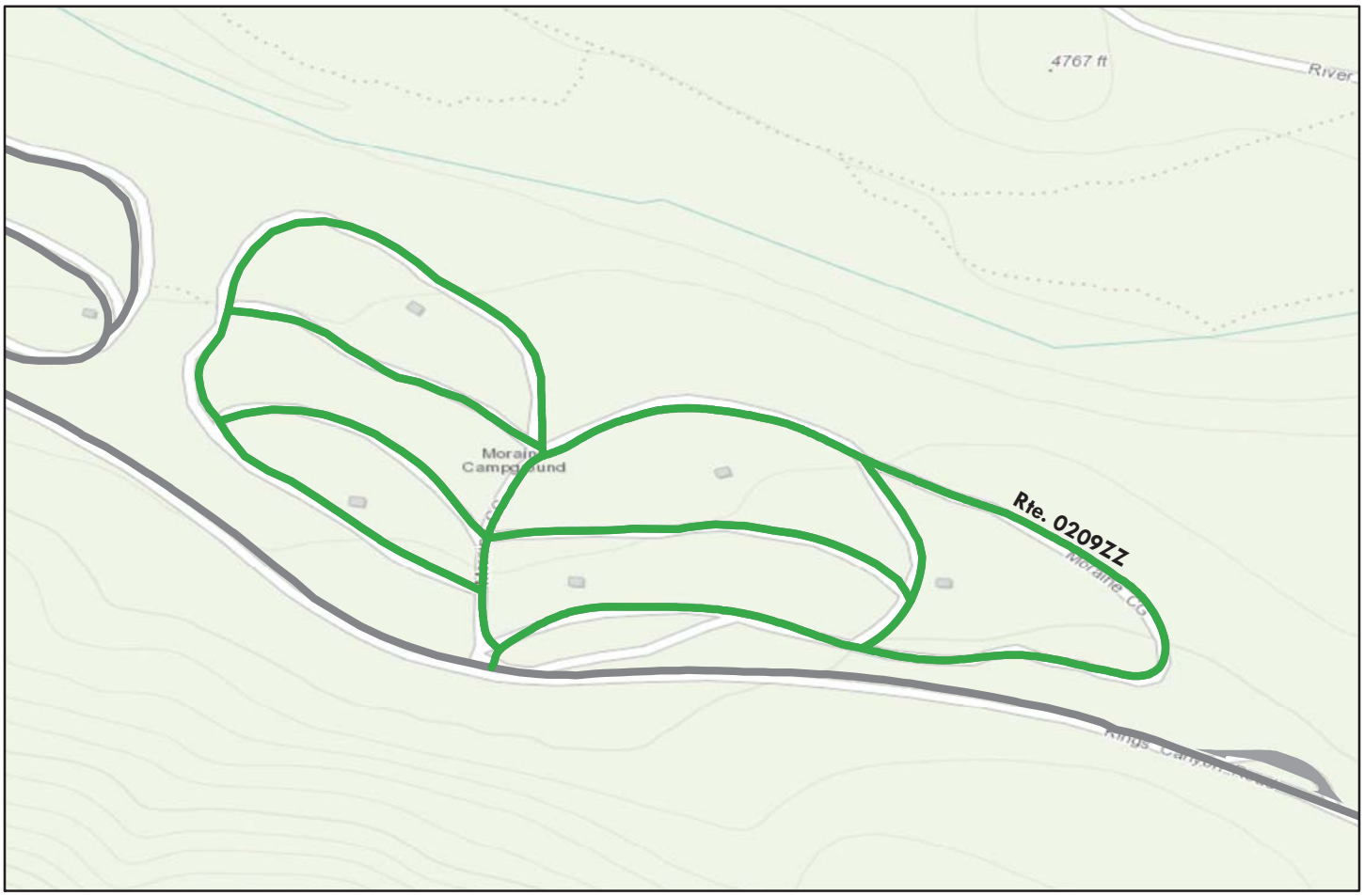
Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.35	**Section Length (MI)**	0.35				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	35	35				
Surface Condition Rating (SCR)	66	66				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	84	84				
Alligator Crack Index	100	100				
Longitudinal Crack Index	84	84				
Transverse Cracking Index	97	97				
Patching Index	99	99				
Rutting Index	66	66				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10	10				
Lane Width (ft)	10	10				

Forced PCR from MP 0.00 to 0.02.

Kings Canyon National Park

ROUTE 0209ZZ: MORAINE CAMPGROUND ROADS

Summary Route



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

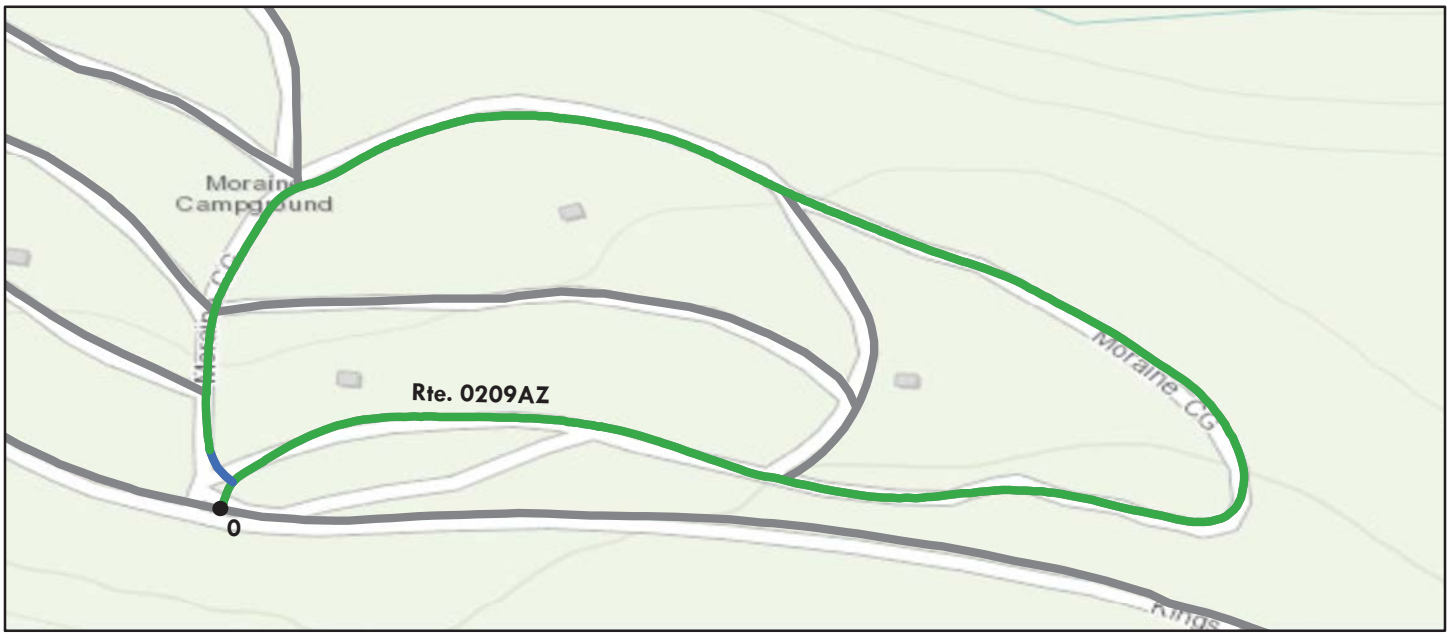
Inspection Date:	5/28/2015	
Paved Length (Miles):	1.49	
Surface Type:	ASPHALT	**Route Summary**
Roadway Condition Information		
Pavement Condition Rating (PCR)		91
Lane & Width Information		
Number of Lanes		1
Paved Width (ft)		12.5
Lane Width (ft)		12.4

Kings Canyon National Park

ROUTE 0209AZ: MORAINE CAMPGROUND ROAD A

Subcomponent of Route KICA-0209ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.61	**Section Length (MI)**	0.61				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	92	92				
Surface Condition Rating (SCR)	92	92				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	92	92				
Patching Index	100	100				
Rutting Index	93	93				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	13.2	13.2				
Lane Width (ft)	13	13				

Kings Canyon National Park

ROUTE 0209BZ: MORAINE CAMPGROUND ROAD B

Subcomponent of Route KICA-0209ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

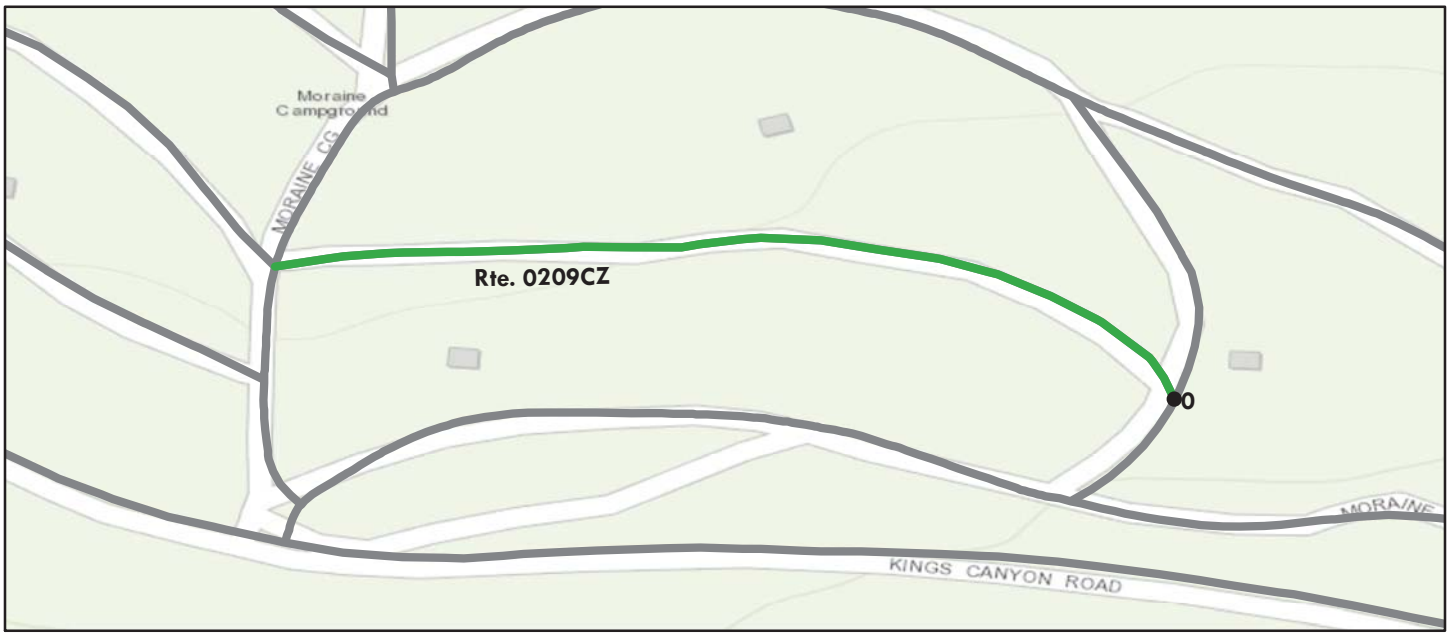
Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.1	**Section Length (MI)**	0.1				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	92	92				
Surface Condition Rating (SCR)	92	92				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	98	98				
Alligator Crack Index	100	100				
Longitudinal Crack Index	98	98				
Transverse Cracking Index	96	96				
Patching Index	100	100				
Rutting Index	92	92				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	11.7	11.7				
Lane Width (ft)	11.7	11.7				

Kings Canyon National Park

ROUTE 0209CZ: MORAINE CAMPGROUND ROAD C

Subcomponent of Route KICA-0209ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.16	**Section Length (MI)**	0.16				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	93	93				
Surface Condition Rating (SCR)	93	93				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	97	97				
Patching Index	100	100				
Rutting Index	93	93				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	12.1	12.1				
Lane Width (ft)	12.1	12.1				

Kings Canyon National Park

ROUTE 0209DZ: MORAINE CAMPGROUND ROAD D

Subcomponent of Route KICA-0209ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.37	**Section Length (MI)**	0.37				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	88	88				
Surface Condition Rating (SCR)	88	88				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	98	98				
Alligator Crack Index	100	100				
Longitudinal Crack Index	98	98				
Transverse Cracking Index	88	88				
Patching Index	100	100				
Rutting Index	94	94				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	12.6	12.6				
Lane Width (ft)	12.6	12.6				

Kings Canyon National Park

ROUTE 0209EZ: MORAINE CAMPGROUND ROAD E

Subcomponent of Route KICA-0209ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.12	**Section Length (MI)**	0.12				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	94	94				
Surface Condition Rating (SCR)	94	94				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	98	98				
Alligator Crack Index	100	100				
Longitudinal Crack Index	98	98				
Transverse Cracking Index	94	94				
Patching Index	100	100				
Rutting Index	95	95				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.8	10.8				
Lane Width (ft)	10.8	10.8				

Kings Canyon National Park

ROUTE 0209FZ: MORAINE CAMPGROUND ROAD F

Subcomponent of Route KICA-0209ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

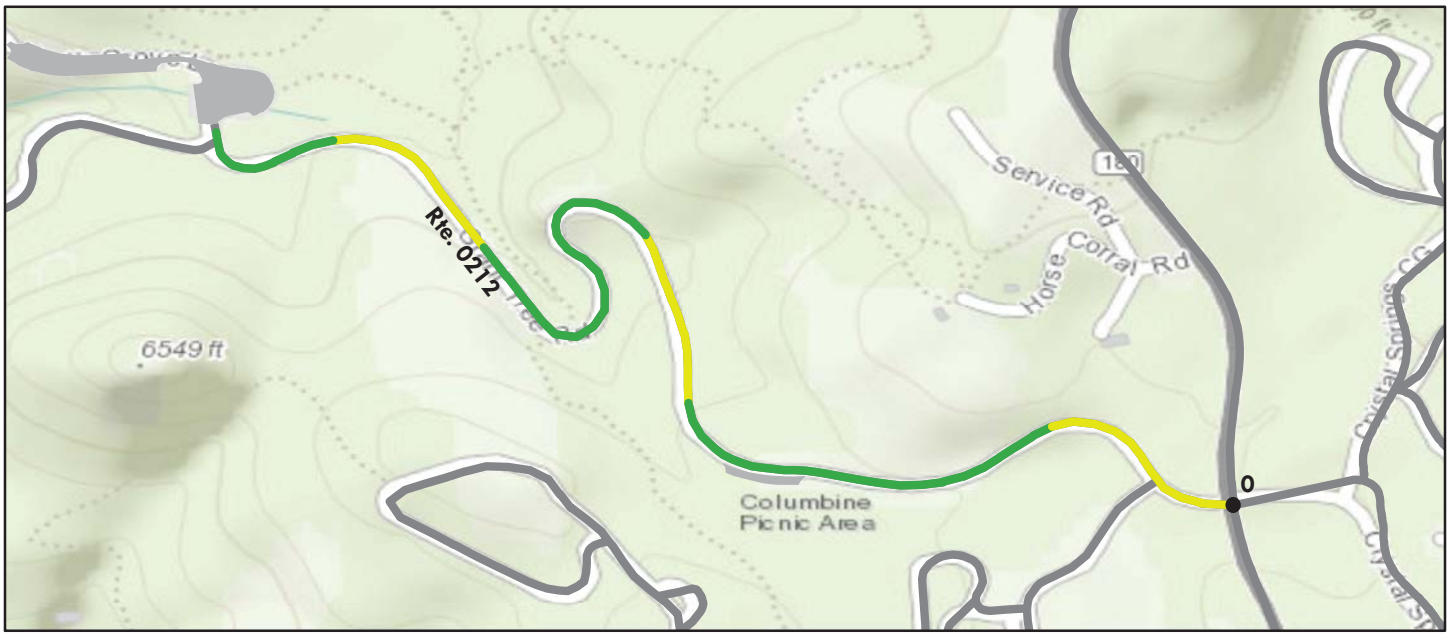
See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.13	**Section Length (MI)**	0.13				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	88	88				
Surface Condition Rating (SCR)	88	88				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	98	98				
Alligator Crack Index	100	100				
Longitudinal Crack Index	98	98				
Transverse Cracking Index	88	88				
Patching Index	100	100				
Rutting Index	94	94				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	11.7	11.7				
Lane Width (ft)	11.7	11.7				

Kings Canyon National Park

ROUTE 0212: GRANT TREE ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

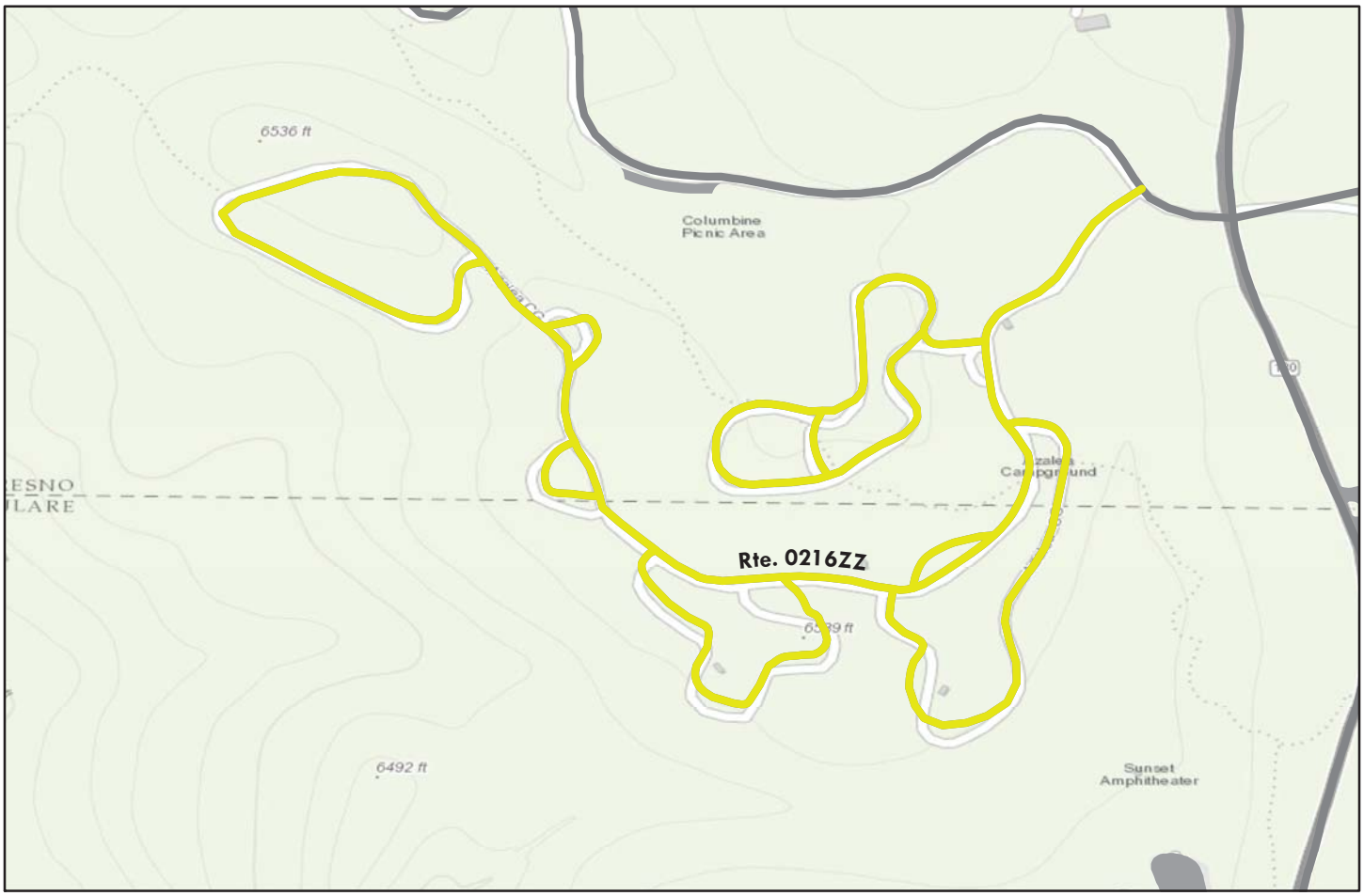
See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.77	**Section Length (MI)**	0.77				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	82	82				
Surface Condition Rating (SCR)	95	95				
Roughness Condition Index (RCI)	62	62				
Distress Index Values						
Structural Crack Index	97	97				
Alligator Crack Index	100	100				
Longitudinal Crack Index	97	97				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	95	95				
International Roughness Index (IRI)	230	230				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	26.6	26.6				
Lane Width (ft)	12.7	12.7				

Kings Canyon National Park

ROUTE 0216ZZ: AZALEA CAMPGROUND ROADS

Summary Route



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	5/30/2015
Paved Length (Miles):	1.74
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	75
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	13.4
Lane Width (ft)	10.6

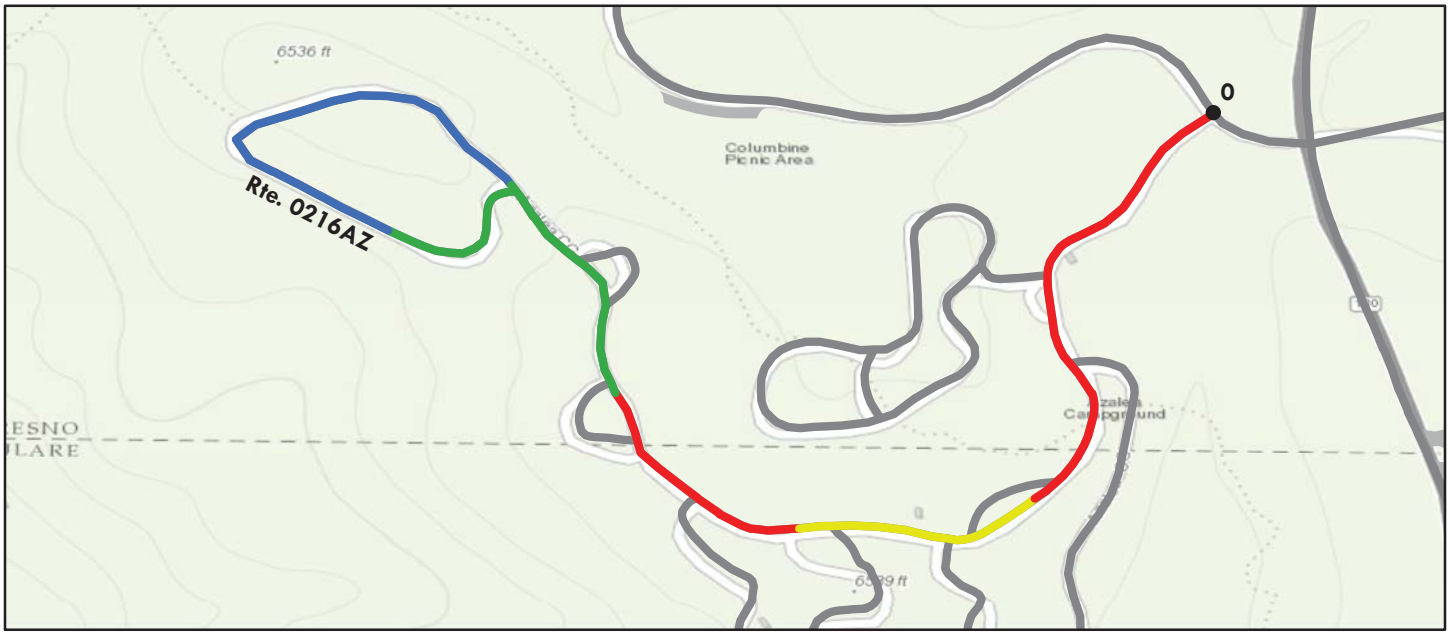
Route Summary

Kings Canyon National Park

ROUTE 0216AZ: AZALEA CAMPGROUND ROAD A

Subcomponent of Route KICA-0216ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

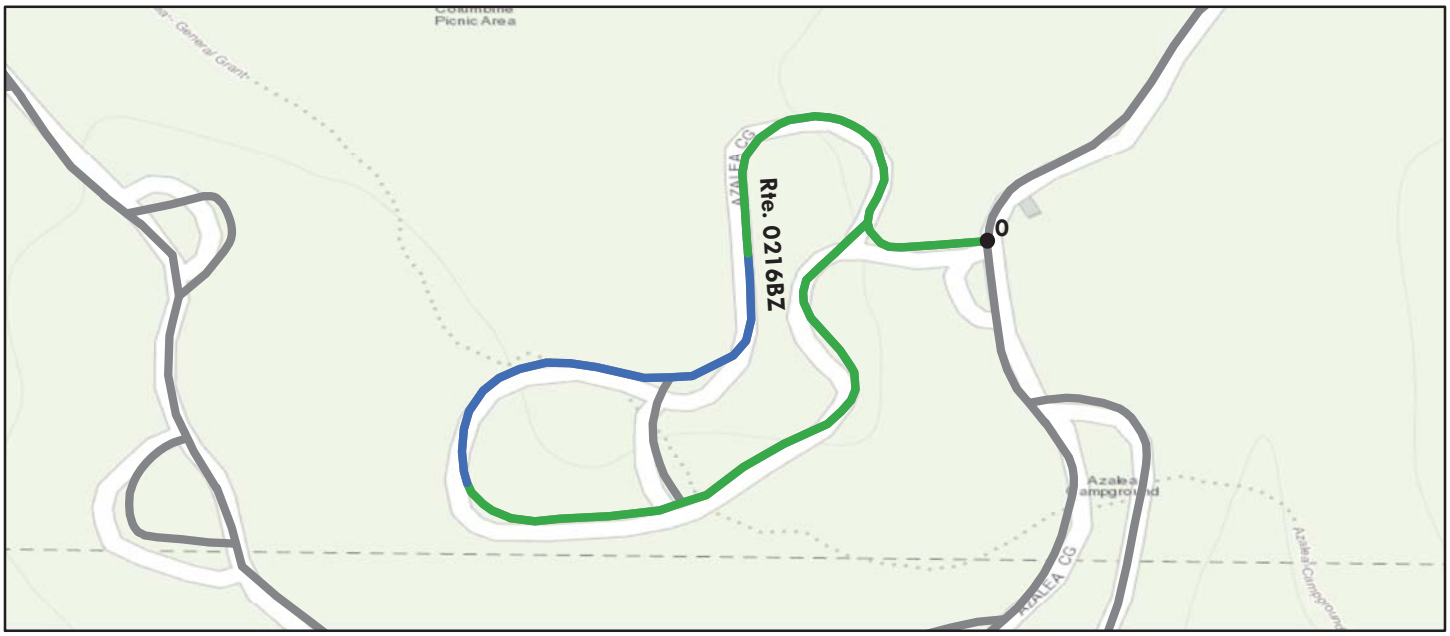
Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.77	**Section Length (MI)**	0.77				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	62	62				
Surface Condition Rating (SCR)	62	62				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	62	62				
Alligator Crack Index	80	80				
Longitudinal Crack Index	82	82				
Transverse Cracking Index	85	85				
Patching Index	100	100				
Rutting Index	95	95				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	16.9	16.9				
Lane Width (ft)	10.7	10.7				

Kings Canyon National Park

ROUTE 0216BZ: AZALEA CAMPGROUND ROAD B

Subcomponent of Route KICA-0216ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

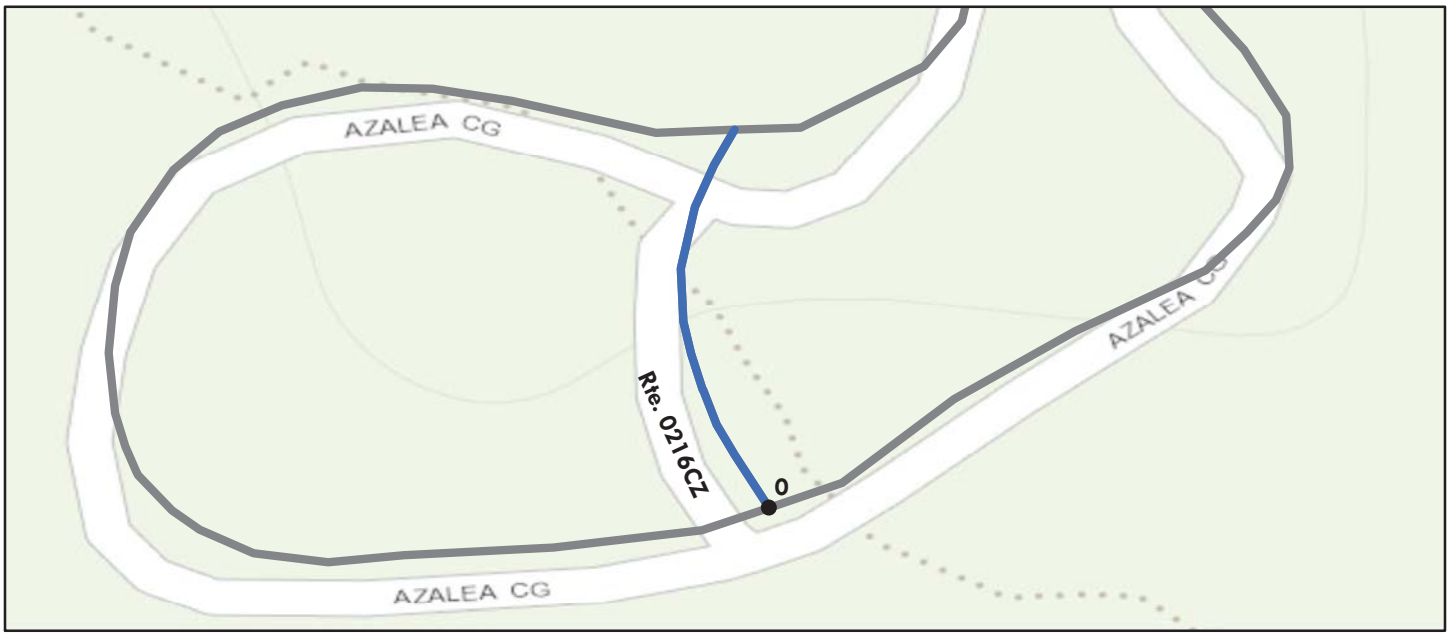
Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.34	**Section Length (MI)**	0.34				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	95	95				
Surface Condition Rating (SCR)	95	95				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	95	95				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	11.8	11.8				
Lane Width (ft)	11.3	11.3				

Kings Canyon National Park

ROUTE 0216CZ: AZALEA CAMPGROUND ROAD C

Subcomponent of Route KICA-0216ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.03	**Section Length (MI)**	0.03				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	96	96				
Surface Condition Rating (SCR)	96	96				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	96	96				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.7	10.7				
Lane Width (ft)	10.7	10.7				

Kings Canyon National Park

ROUTE 0216DZ: AZALEA CAMPGROUND ROAD D

Subcomponent of Route KICA-0216ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

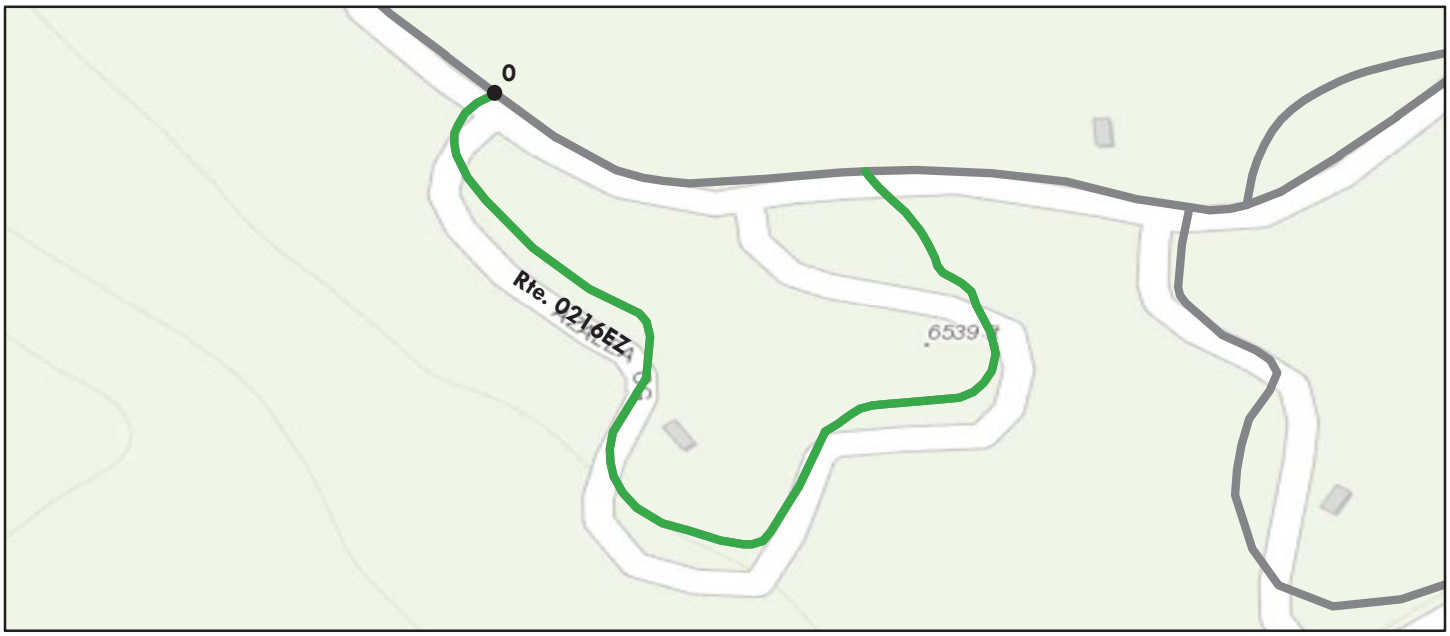
Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.26	**Section Length (MI)**	0.26				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	92	92				
Surface Condition Rating (SCR)	92	92				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	98	98				
Alligator Crack Index	100	100				
Longitudinal Crack Index	98	98				
Transverse Cracking Index	97	97				
Patching Index	99	99				
Rutting Index	92	92				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.4	10.4				
Lane Width (ft)	10.4	10.4				

Kings Canyon National Park

ROUTE 0216EZ: AZALEA CAMPGROUND ROAD E

Subcomponent of Route KICA-0216ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

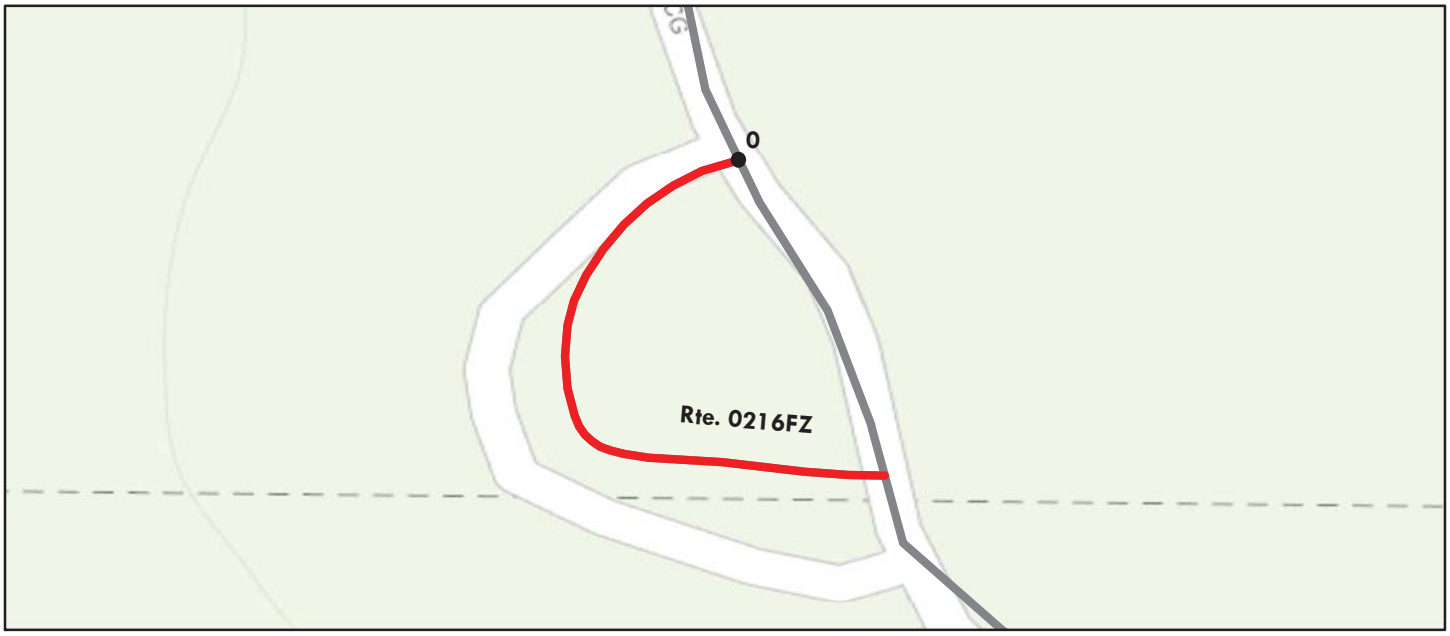
Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.2	**Section Length (MI)**	0.2				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	91	91				
Surface Condition Rating (SCR)	91	91				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	98	98				
Alligator Crack Index	100	100				
Longitudinal Crack Index	98	98				
Transverse Cracking Index	92	92				
Patching Index	99	99				
Rutting Index	91	91				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	9.6	9.6				
Lane Width (ft)	9.6	9.6				

Kings Canyon National Park

ROUTE 0216FZ: AZALEA CAMPGROUND ROAD F

Subcomponent of Route KICA-0216ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.05	**Section Length (MI)**	0.05				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	31	31				
Surface Condition Rating (SCR)	31	31				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	31	31				
Alligator Crack Index	75	75				
Longitudinal Crack Index	56	56				
Transverse Cracking Index	60	60				
Patching Index	100	100				
Rutting Index	82	82				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	9.1	9.1				
Lane Width (ft)	9.1	9.1				

Kings Canyon National Park

ROUTE 0216GZ: AZALEA CAMPGROUND ROAD G

Subcomponent of Route KICA-0216ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.05	**Section Length (MI)**	0.05				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	N/A	N/A				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	N/A	N/A				
Alligator Crack Index	N/A	N/A				
Longitudinal Crack Index	N/A	N/A				
Transverse Cracking Index	N/A	N/A				
Patching Index	N/A	N/A				
Rutting Index	N/A	N/A				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.8	10.8				
Lane Width (ft)	10.8	10.8				

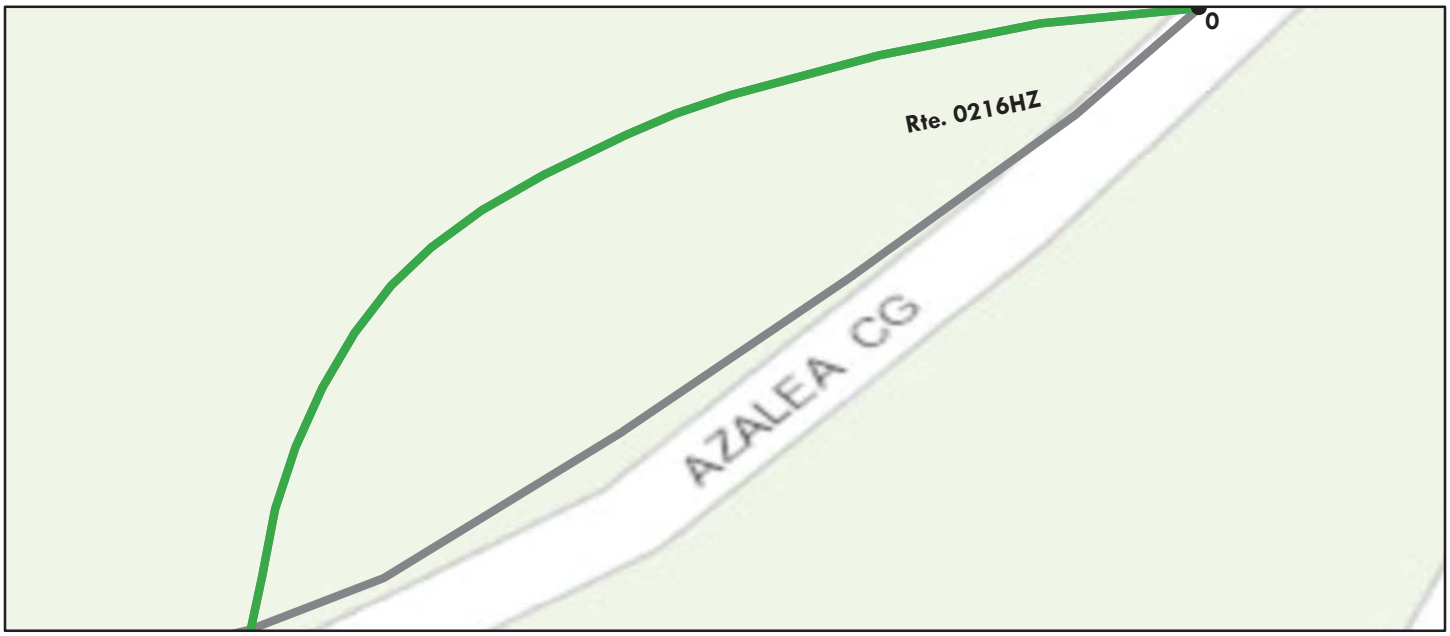
Forced PCR from MP 0.00 to 0.05.

Kings Canyon National Park

ROUTE 0216HZ: AZALEA CAMPGROUND ROAD H

Subcomponent of Route KICA-0216ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

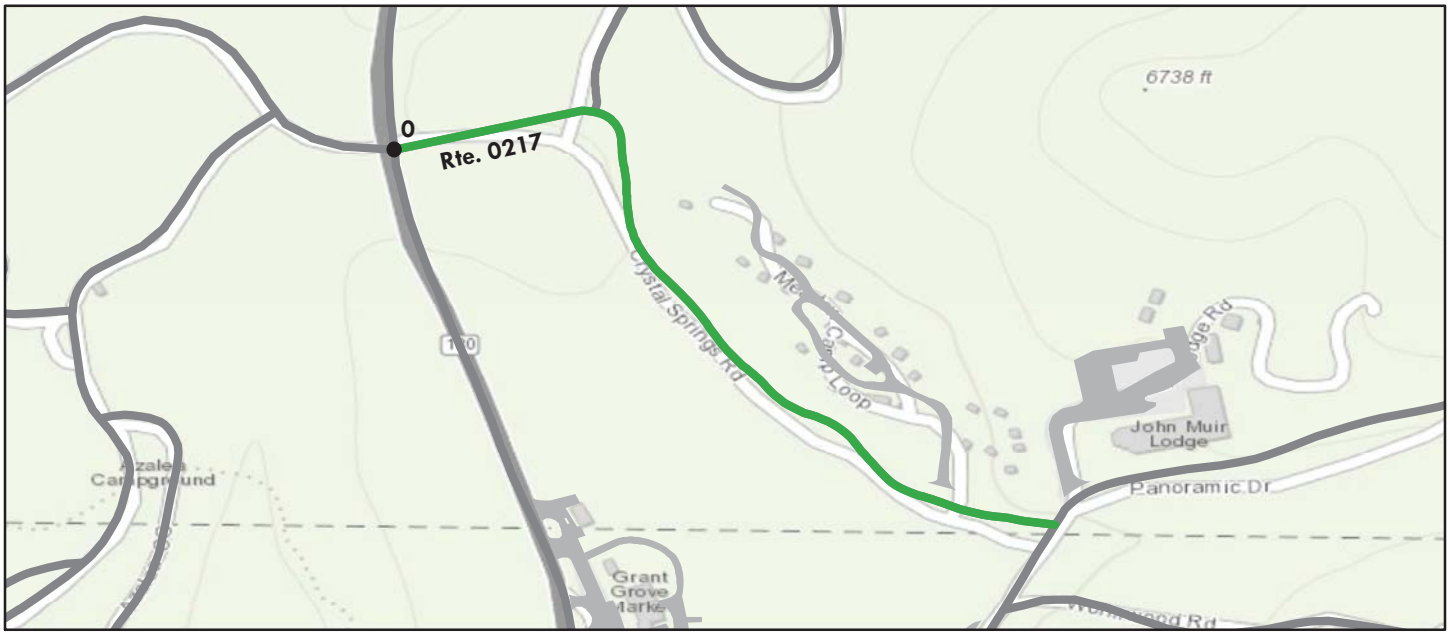
See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.05	**Section Length (MI)**	0.04				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	91	91				
Surface Condition Rating (SCR)	91	91				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	91	91				
Alligator Crack Index	98	98				
Longitudinal Crack Index	93	93				
Transverse Cracking Index	92	92				
Patching Index	100	100				
Rutting Index	92	92				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	11	11				
Lane Width (ft)	11	11				

Kings Canyon National Park

ROUTE 0217: CRYSTAL SPRINGS ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

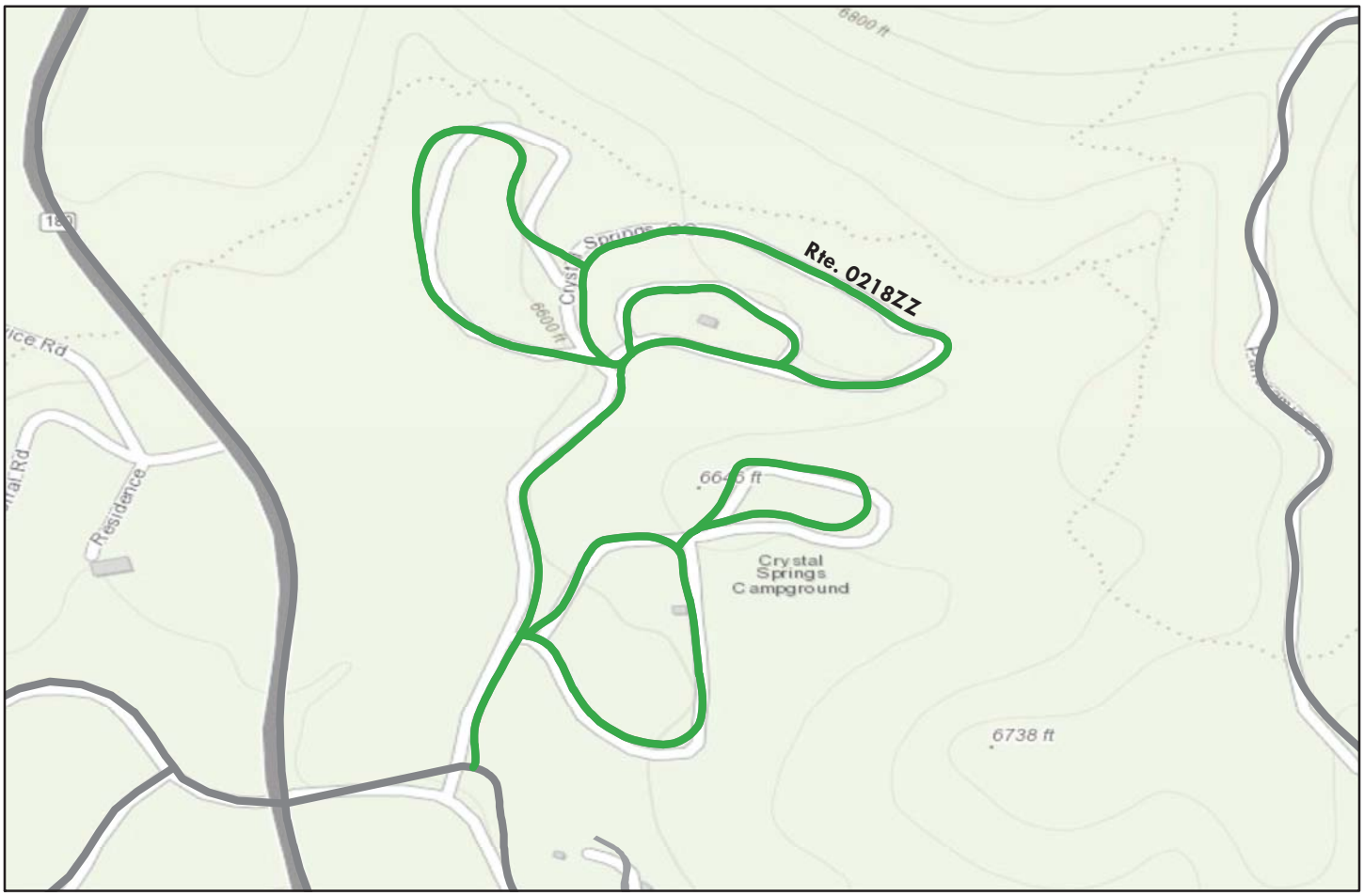
See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.28	**Section Length (MI)**	0.28				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	91	91				
Surface Condition Rating (SCR)	91	91				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	98	98				
Patching Index	99	99				
Rutting Index	91	91				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	21.4	21.4				
Lane Width (ft)	10.7	10.7				

Kings Canyon National Park

ROUTE 0218ZZ: CRYSTAL SPRINGS CAMPGROUND ROADS

Summary Route



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	5/30/2015
Paved Length (Miles):	1.14
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	88
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	14.3
Lane Width (ft)	11.2

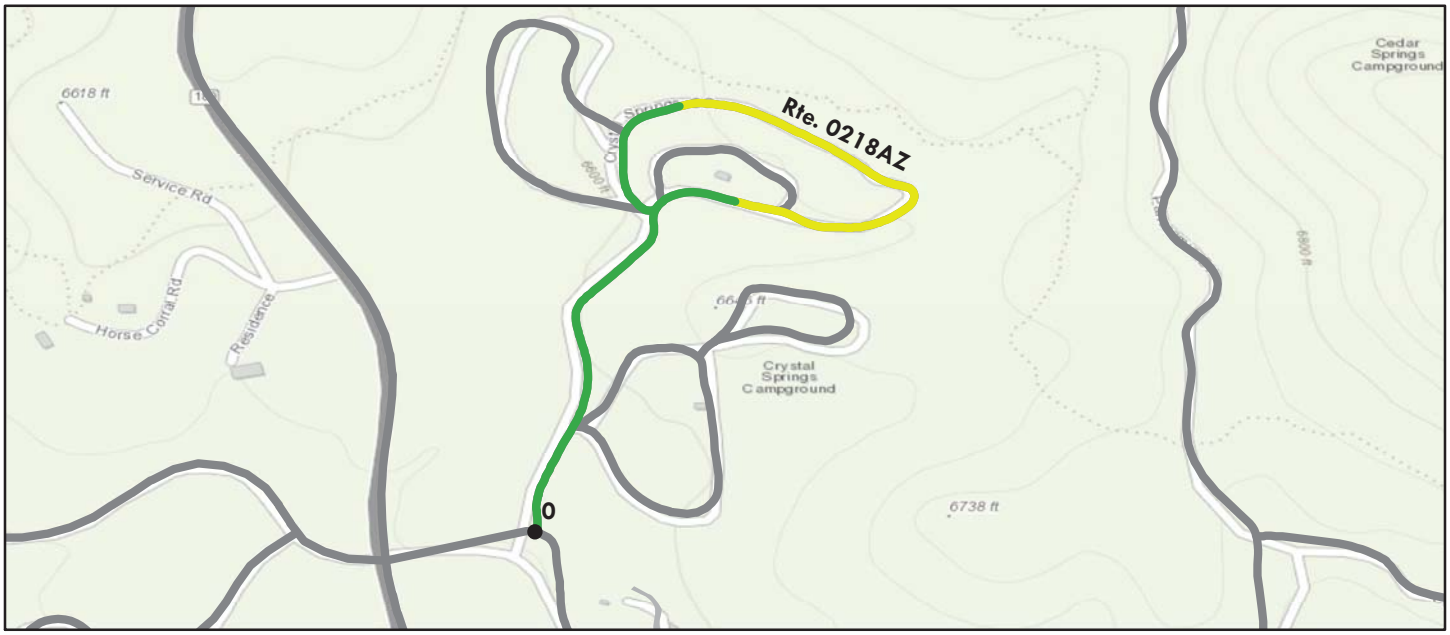
Route Summary

Kings Canyon National Park

ROUTE 0218AZ: CRYSTAL SPRINGS CAMPGROUND ROAD A

Subcomponent of Route KICA-0218ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.47	**Section Length (MI)**	0.47				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	86	86				
Surface Condition Rating (SCR)	86	86				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	97	97				
Alligator Crack Index	100	100				
Longitudinal Crack Index	97	97				
Transverse Cracking Index	98	98				
Patching Index	100	100				
Rutting Index	86	86				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	19.4	19.4				
Lane Width (ft)	11.8	11.8				

Kings Canyon National Park

ROUTE 0218BZ: CRYSTAL SPRINGS CAMPGROUND ROAD B

Subcomponent of Route KICA-0218ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.22	**Section Length (MI)**	0.22				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	91	91				
Surface Condition Rating (SCR)	91	91				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	95	95				
Alligator Crack Index	100	100				
Longitudinal Crack Index	95	95				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	91	91				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	11.8	11.8				
Lane Width (ft)	11.8	11.8				

Kings Canyon National Park

ROUTE 0218CZ: CRYSTAL SPRINGS CAMPGROUND ROAD C

Subcomponent of Route KICA-0218ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.21	**Section Length (MI)**	0.21				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	89	89				
Surface Condition Rating (SCR)	89	89				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	98	98				
Alligator Crack Index	100	100				
Longitudinal Crack Index	98	98				
Transverse Cracking Index	98	98				
Patching Index	100	100				
Rutting Index	89	89				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	9.3	9.3				
Lane Width (ft)	9.3	9.3				

Kings Canyon National Park

ROUTE 0218DZ: CRYSTAL SPRINGS CAMPGROUND ROAD D

Subcomponent of Route KICA-0218ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

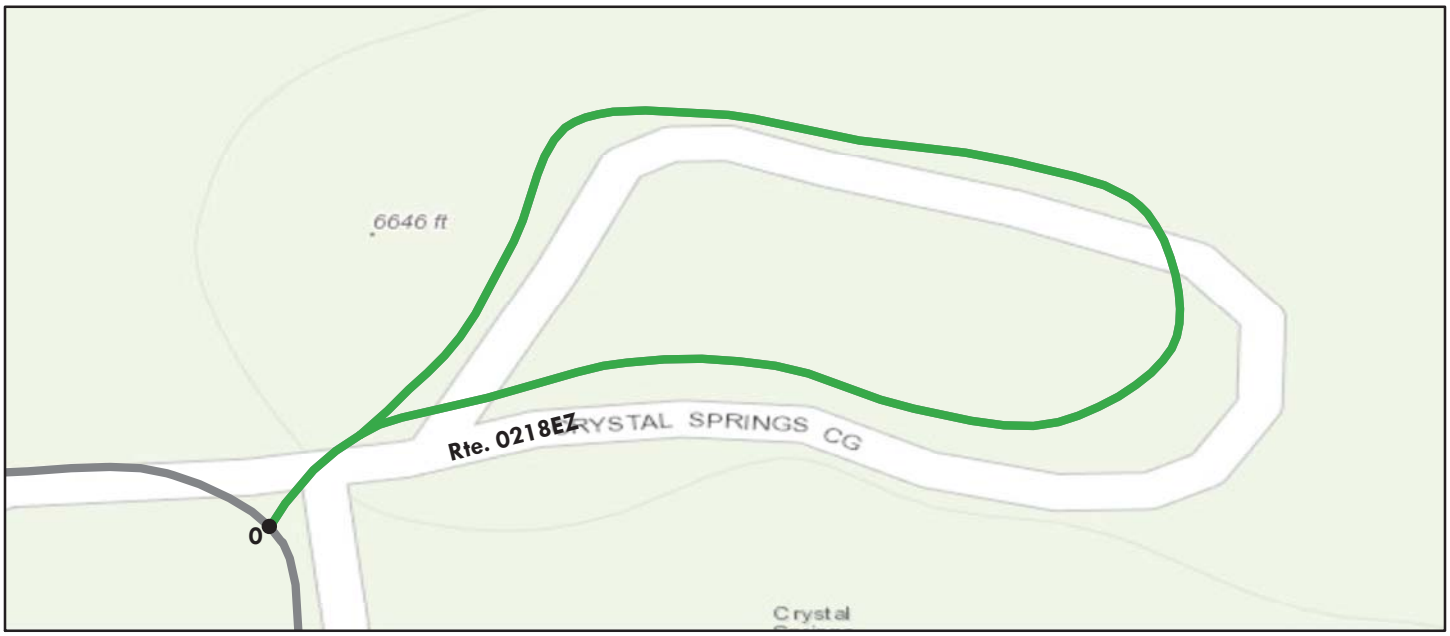
Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.1	**Section Length (MI)**	0.1				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	84	84				
Surface Condition Rating (SCR)	84	84				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	94	94				
Alligator Crack Index	100	100				
Longitudinal Crack Index	94	94				
Transverse Cracking Index	98	98				
Patching Index	100	100				
Rutting Index	84	84				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	11.6	11.6				
Lane Width (ft)	11.6	11.6				

Kings Canyon National Park

ROUTE 0218EZ: CRYSTAL SPRINGS CAMPGROUND ROAD E

Subcomponent of Route KICA-0218ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

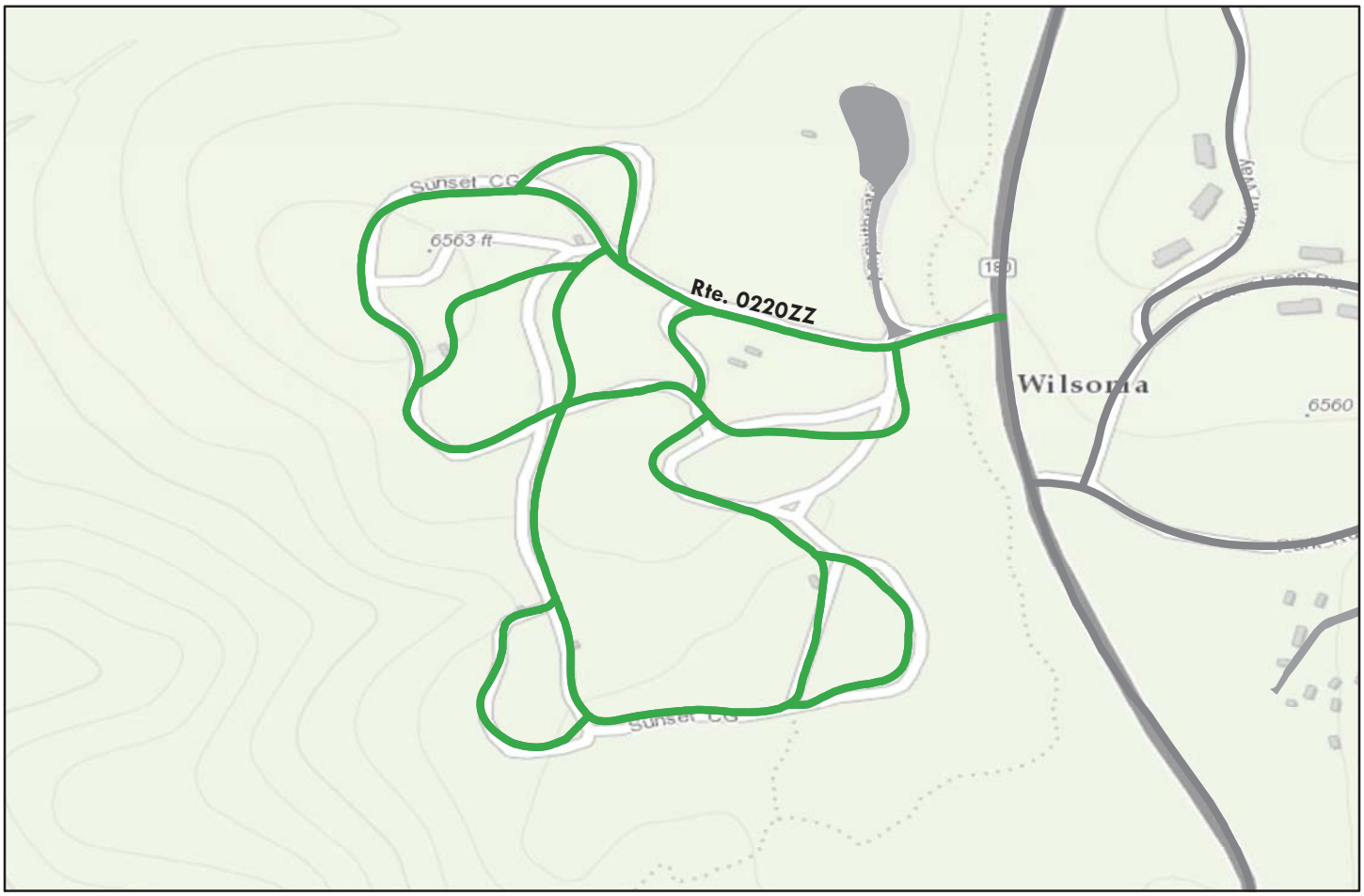
See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.15	**Section Length (MI)**	0.15				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	91	91				
Surface Condition Rating (SCR)	91	91				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	95	95				
Alligator Crack Index	100	100				
Longitudinal Crack Index	95	95				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	91	91				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.8	10.8				
Lane Width (ft)	10.8	10.8				

Kings Canyon National Park

ROUTE 0220ZZ: SUNSET CAMPGROUND ROADS

Summary Route



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	5/30/2015
Paved Length (Miles):	1.31
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	94
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	14.5
Lane Width (ft)	14.5

Route Summary

Kings Canyon National Park

ROUTE 0220AZ: SUNSET CAMPGROUND ROAD A

Subcomponent of Route KICA-0220ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

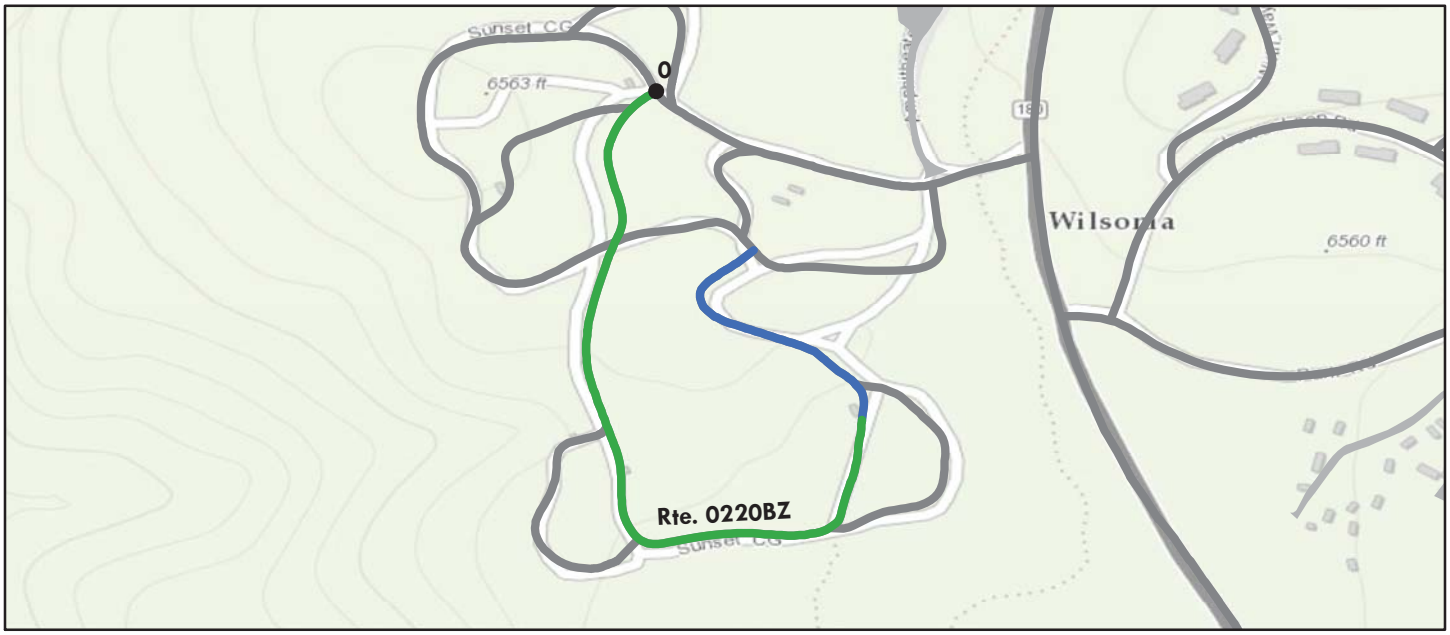
Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.5	**Section Length (MI)**	0.5				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	94	94				
Surface Condition Rating (SCR)	94	94				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	98	98				
Patching Index	100	100				
Rutting Index	94	94				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	15.5	15.5				
Lane Width (ft)	15.5	15.5				

Kings Canyon National Park

ROUTE 0220BZ: SUNSET CAMPGROUND ROAD B

Subcomponent of Route KICA-0220ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

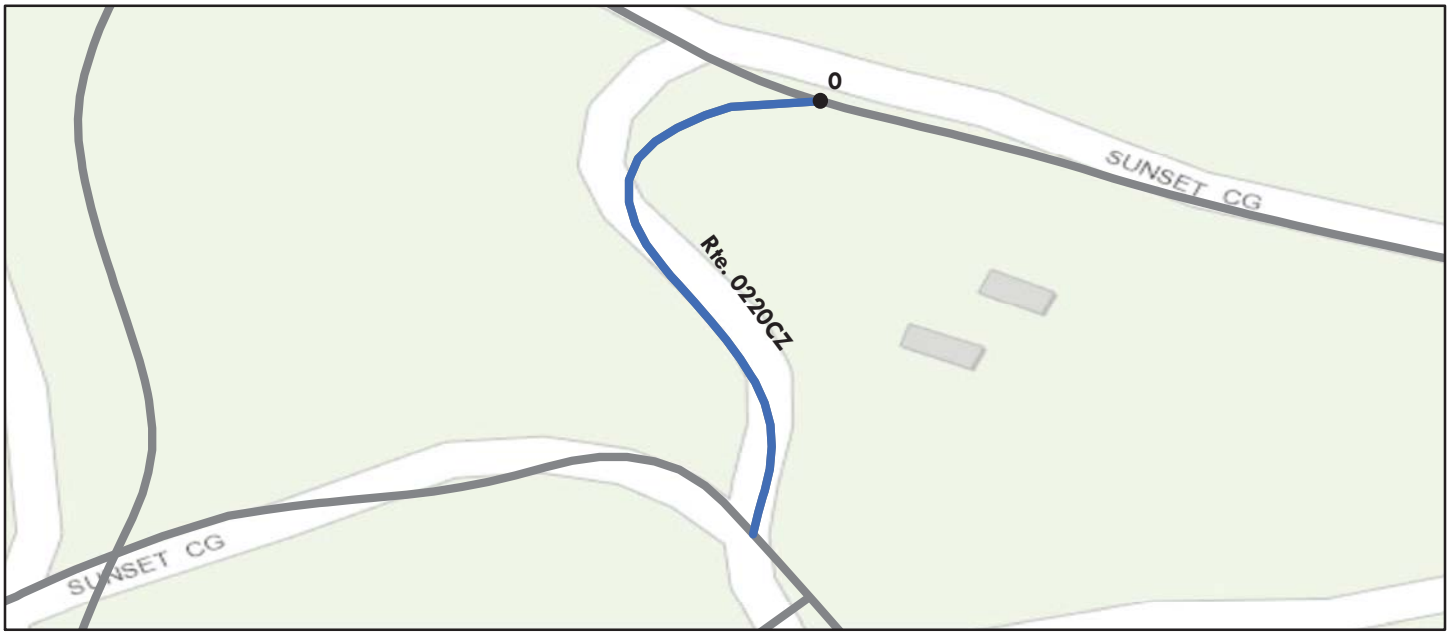
Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.41	**Section Length (MI)**	0.41				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	94	94				
Surface Condition Rating (SCR)	94	94				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	98	98				
Alligator Crack Index	100	100				
Longitudinal Crack Index	98	98				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	94	94				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	14.2	14.2				
Lane Width (ft)	14.2	14.2				

Kings Canyon National Park

ROUTE 0220CZ: SUNSET CAMPGROUND ROAD C

Subcomponent of Route KICA-0220ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

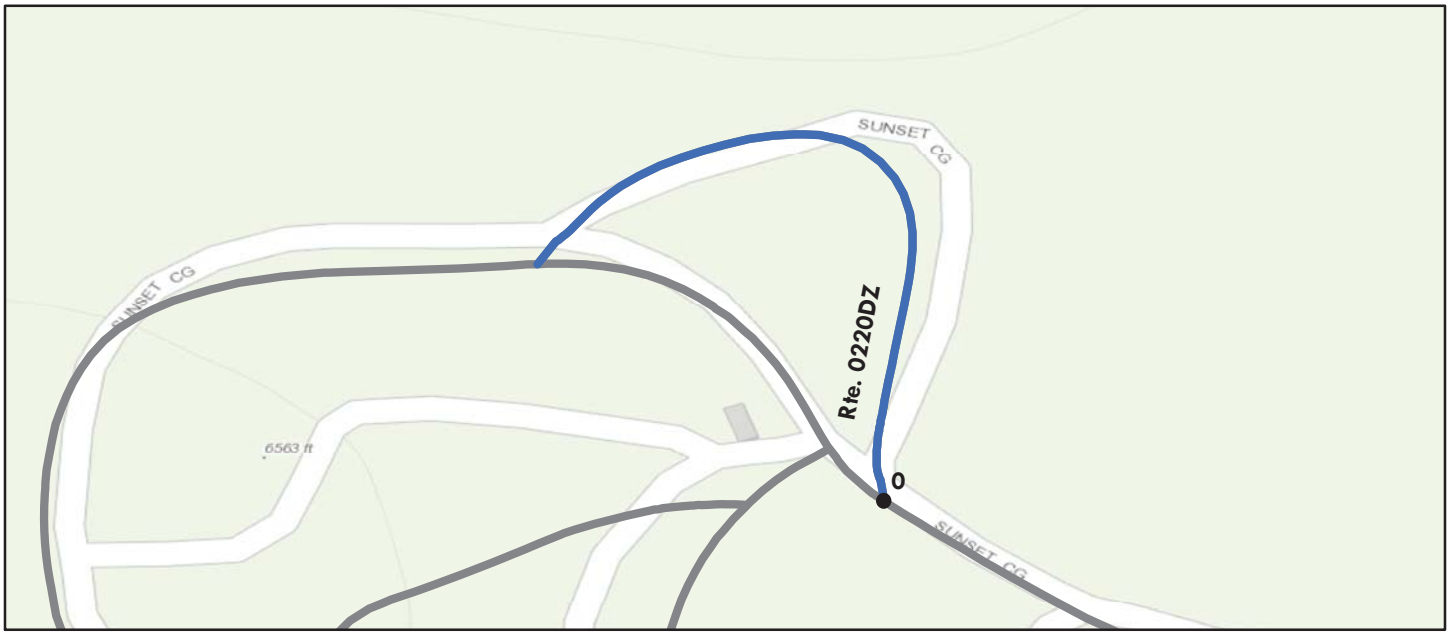
Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.05	**Section Length (MI)**	0.05				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	95	95				
Surface Condition Rating (SCR)	95	95				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	95	95				
Alligator Crack Index	100	100				
Longitudinal Crack Index	95	95				
Transverse Cracking Index	97	97				
Patching Index	100	100				
Rutting Index	95	95				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	14.8	14.8				
Lane Width (ft)	14.8	14.8				

Kings Canyon National Park

ROUTE 0220DZ: SUNSET CAMPGROUND ROAD D

Subcomponent of Route KICA-0220ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.08	**Section Length (MI)**	0.08				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	96	96				
Surface Condition Rating (SCR)	96	96				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	97	97				
Patching Index	100	100				
Rutting Index	96	96				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	15.8	15.8				
Lane Width (ft)	15.8	15.8				

Kings Canyon National Park

ROUTE 0220EZ: SUNSET CAMPGROUND ROAD E

Subcomponent of Route KICA-0220ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

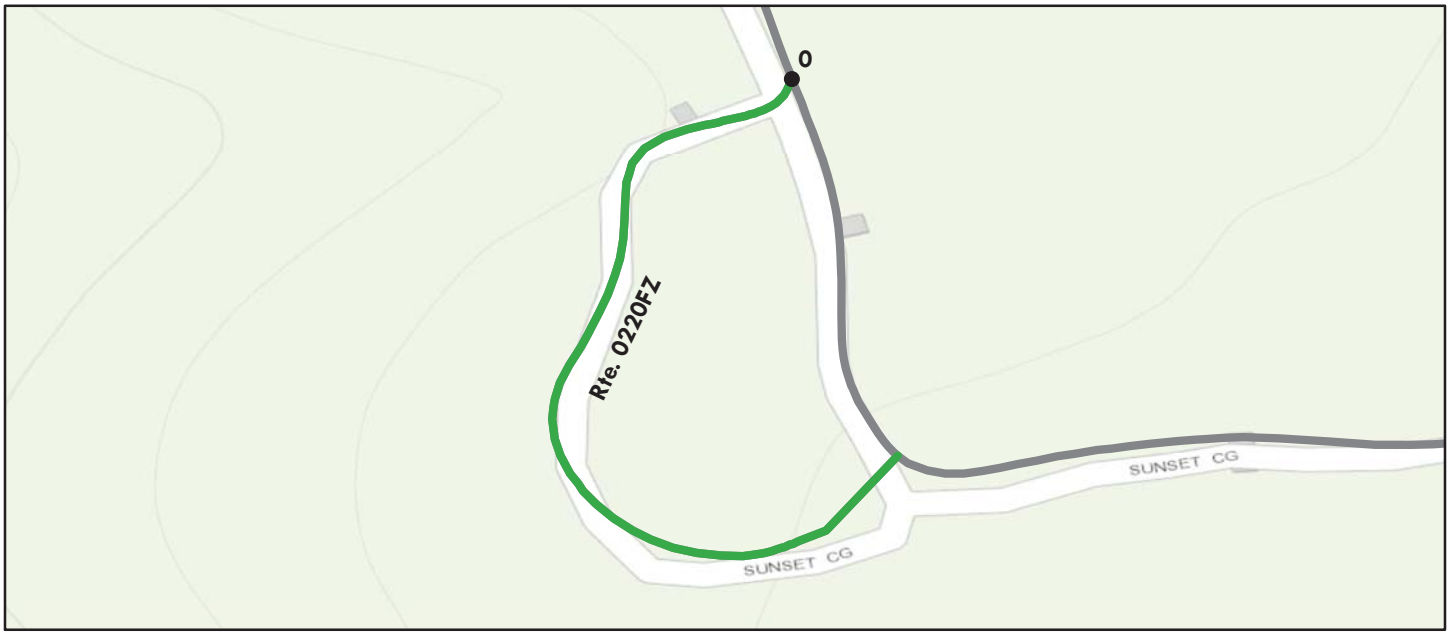
Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.08	**Section Length (MI)**	0.08				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	91	91				
Surface Condition Rating (SCR)	91	91				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	91	91				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	14.6	14.6				
Lane Width (ft)	14.6	14.6				

Kings Canyon National Park

ROUTE 0220FZ: SUNSET CAMPGROUND ROAD F

Subcomponent of Route KICA-0220ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.09	**Section Length (MI)**	0.09				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	90	90				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	90	90				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.7	10.7				
Lane Width (ft)	10.7	10.7				

Kings Canyon National Park

ROUTE 0220GZ: SUNSET CAMPGROUND ROAD G

Subcomponent of Route KICA-0220ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

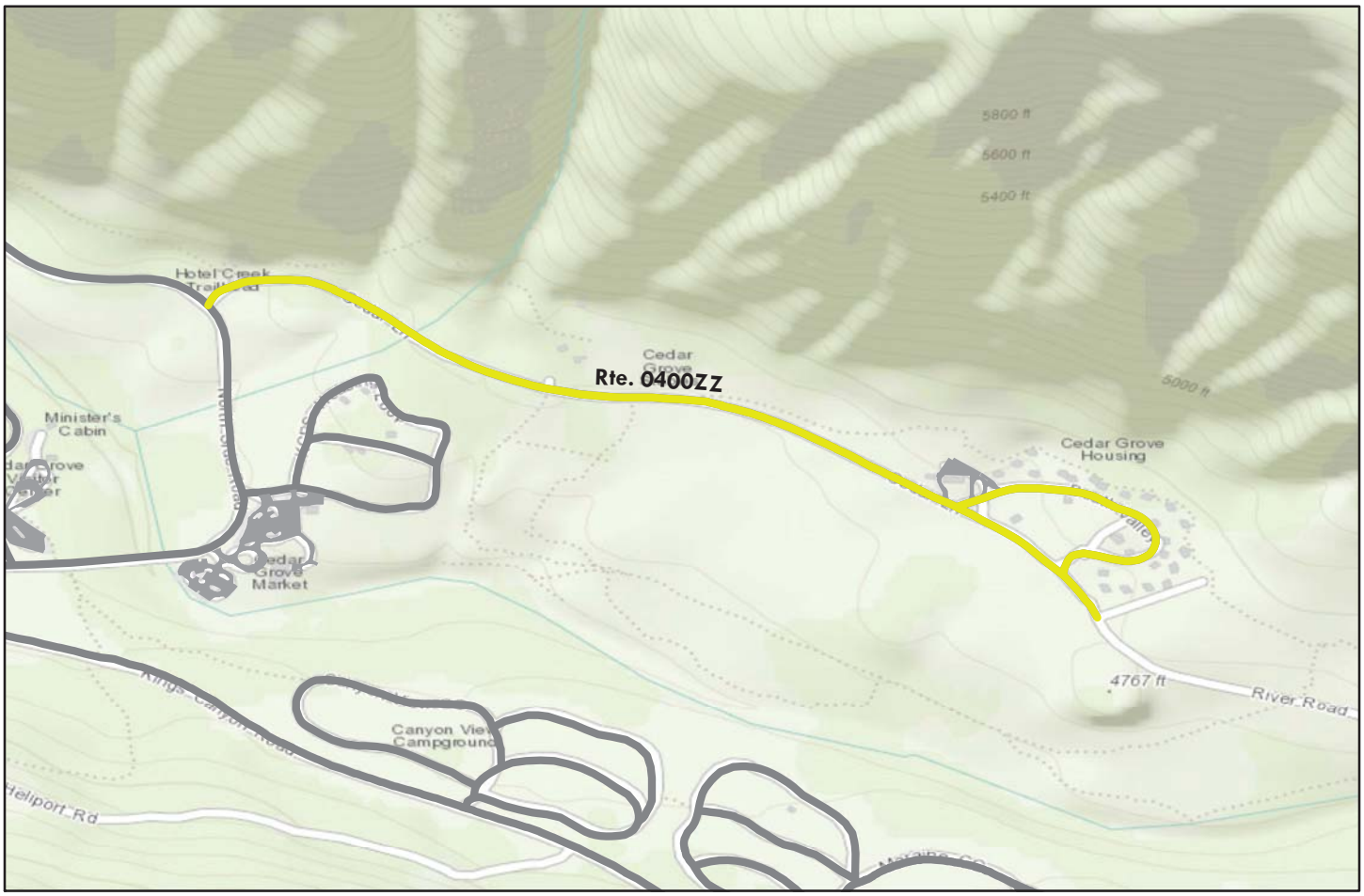
See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.1	**Section Length (MI)**	0.1				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	94	94				
Surface Condition Rating (SCR)	94	94				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	94	94				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	13.4	13.4				
Lane Width (ft)	13.4	13.4				

Kings Canyon National Park

ROUTE 0400ZZ: CEDAR GROVE RESIDENCE ROADS

Summary Route



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	5/28/2015						
Paved Length (Miles):	0.97						
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		76					
Lane & Width Information							
Number of Lanes		1					
Paved Width (ft)		18.7					
Lane Width (ft)		9.4					

Kings Canyon National Park

ROUTE 0400Z: CEDAR LANE

Subcomponent of Route KICA-0400ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.73	**Section Length (MI)**	0.73				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	71	71				
Surface Condition Rating (SCR)	84	84				
Roughness Condition Index (RCI)	51	51				
Distress Index Values						
Structural Crack Index	96	96				
Alligator Crack Index	100	100				
Longitudinal Crack Index	96	96				
Transverse Cracking Index	84	84				
Patching Index	100	100				
Rutting Index	97	97				
International Roughness Index (IRI)	280	280				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	18.1	18.1				
Lane Width (ft)	9.1	9.1				

Kings Canyon National Park

ROUTE 0401Z: DEATH VALLEY DRIVE

Subcomponent of Route KICA-0400ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.24	**Section Length (MI)**	0.24				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	89	89				
Surface Condition Rating (SCR)	89	89				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	94	94				
Alligator Crack Index	100	100				
Longitudinal Crack Index	94	94				
Transverse Cracking Index	89	89				
Patching Index	100	100				
Rutting Index	92	92				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	20.5	20.5				
Lane Width (ft)	10.2	10.2				

Kings Canyon National Park

ROUTE 0402ZZ: PICNIC ESTATES HOUSING ROADS

Summary Route

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	5/28/2015
Paved Length (Miles):	0.48
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	69
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	14.9
Lane Width (ft)	9.7

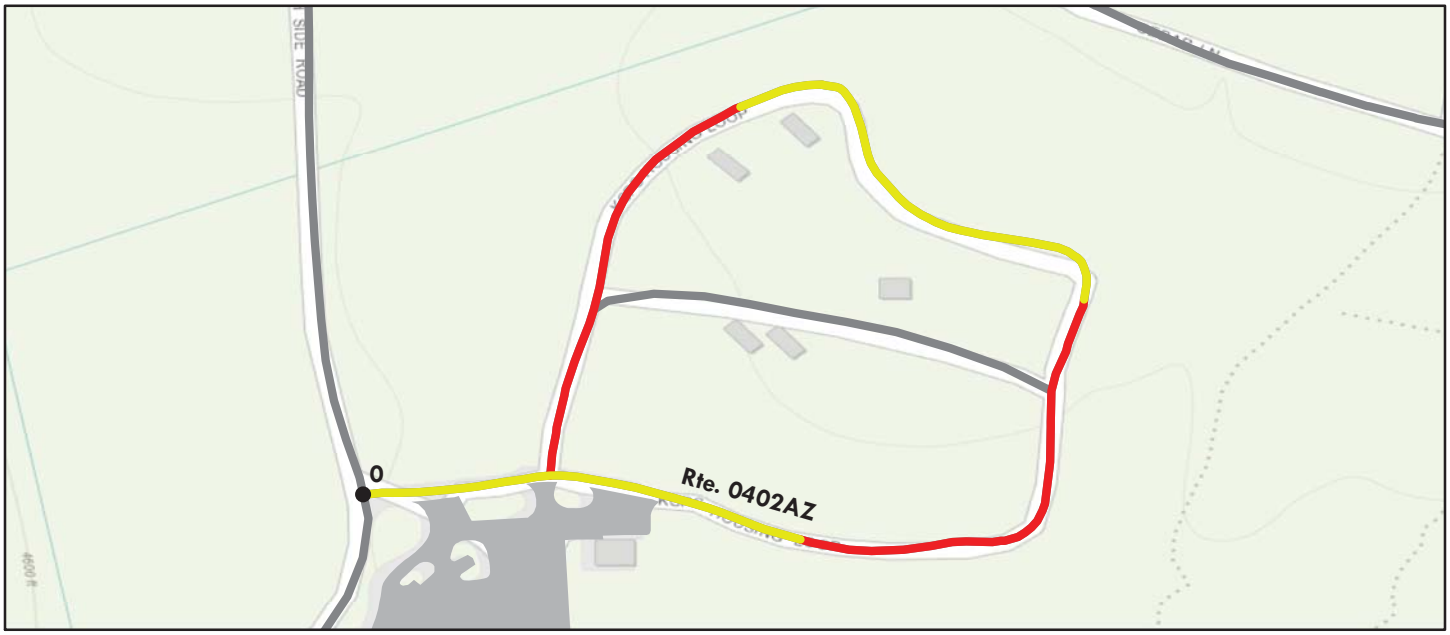
Route Summary

Kings Canyon National Park

ROUTE 0402AZ: PICNIC ESTATES HOUSING ROAD A

Subcomponent of Route KICA-0402ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.39	**Section Length (MI)**	0.39				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	64	64				
Surface Condition Rating (SCR)	64	64				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	79	79				
Alligator Crack Index	100	100				
Longitudinal Crack Index	79	79				
Transverse Cracking Index	64	64				
Patching Index	98	98				
Rutting Index	94	94				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	15.9	15.9				
Lane Width (ft)	9.5	9.5				

Kings Canyon National Park

ROUTE 0402BZ: PICNIC ESTATES HOUSING ROAD B

Subcomponent of Route KICA-0402ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

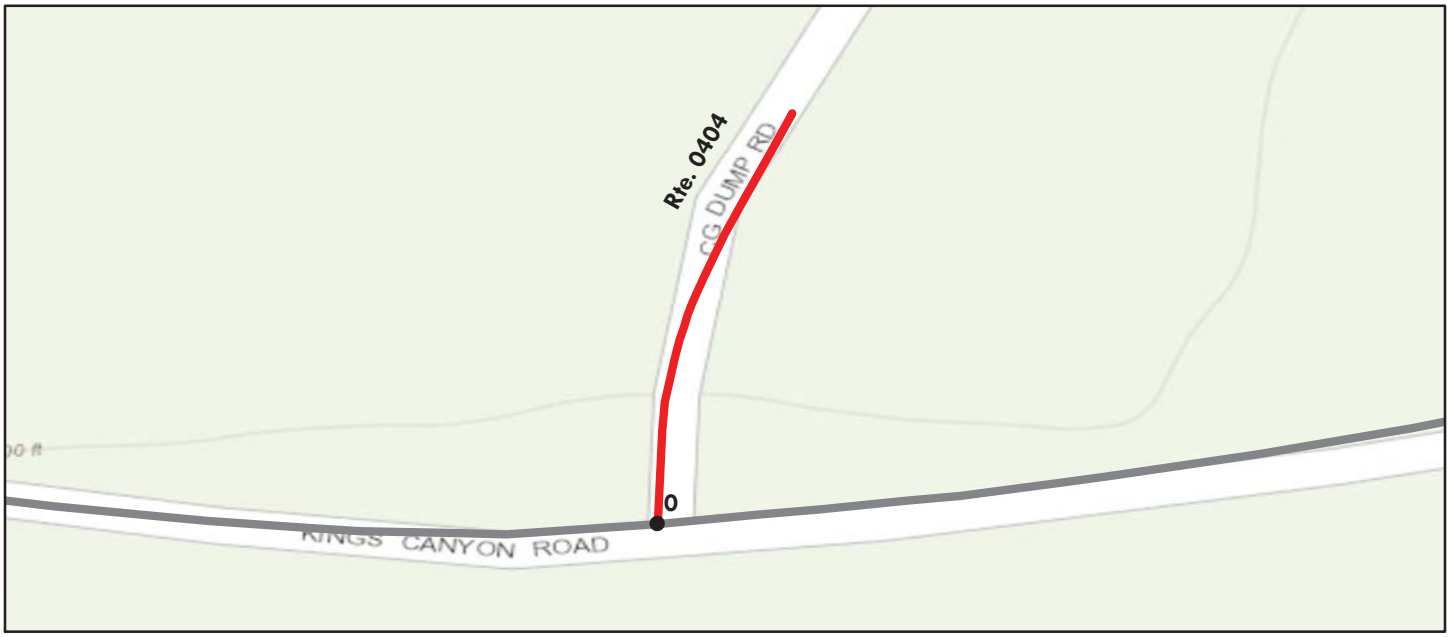
See Appendix for definitions and formulas

Inspection Date: 5/28/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.09	**Section Length (MI)**	0.09				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	98	98				
Surface Condition Rating (SCR)	98	98				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	98	98				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.7	10.7				
Lane Width (ft)	10.7	10.7				

Kings Canyon National Park

ROUTE 0404: CANYON VIEW SERVICE ROAD

Manual Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	9/24/2014	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.04	**Section Length (MI)**	0.04				
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		53	53				
Surface Condition Rating (SCR)		53	53				
Roughness Condition Index (RCI)		N/A	N/A				
Distress Index Values							
Structural Crack Index		N/A	N/A				
Alligator Crack Index		90	90				
Longitudinal Crack Index		53	53				
Transverse Cracking Index		53	53				
Patching Index		90	90				
Rutting Index		53	53				
International Roughness Index (IRI)		N/A	N/A				
Lane & Width Information							
Number of Lanes		1	1				
Paved Width (ft)		12.5	12.5				
Lane Width (ft)		12.5	12.5				

Note: There is an unpaved section (approximately. 0.19 miles) at the end of the of the road.

Kings Canyon National Park

ROUTE 0404: CANYON VIEW SERVICE ROAD

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

KICA_0404_8718.JPG

KICA_0404_8720.JPG

KICA_0404_8721.JPG

KICA_0404_8722.JPG

KICA_0404_8724.JPG

KICA_0404_8725.JPG

Kings Canyon National Park

ROUTE 0411ZZ: GRANT GROVE RESIDENCE LOOPS

Summary Route

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	5/30/2015
Paved Length (Miles):	1.03
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	37
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	17.1
Lane Width (ft)	10.9

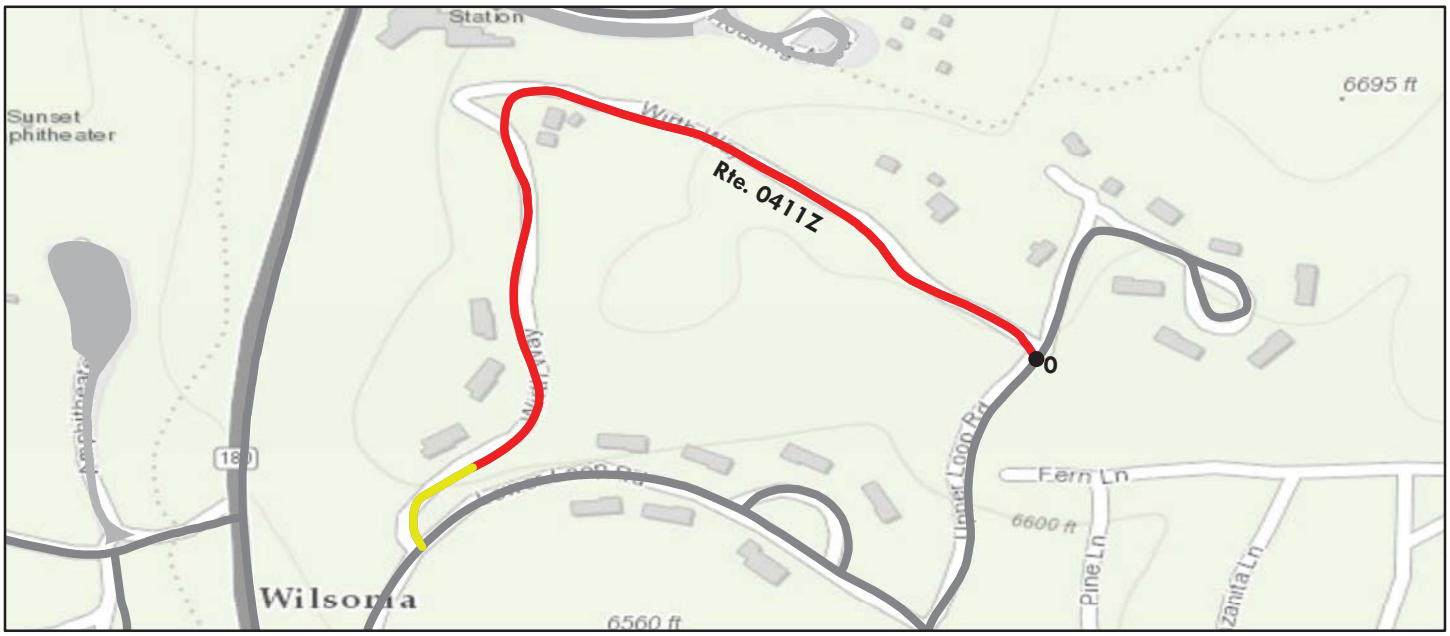
Route Summary

Kings Canyon National Park

ROUTE 0411Z: WIRTH WAY

Subcomponent of Route KICA-0411ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.34	**Section Length (MI)**	0.34				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	40	40				
Surface Condition Rating (SCR)	40	40				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	40	40				
Alligator Crack Index	79	79				
Longitudinal Crack Index	61	61				
Transverse Cracking Index	78	78				
Patching Index	100	100				
Rutting Index	90	90				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	14.2	14.2				
Lane Width (ft)	14.2	14.2				

Kings Canyon National Park

ROUTE 0415Z: UPPER LOOP ROAD

Subcomponent of Route KICA-0411ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.26	**Section Length (MI)**	0.26				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	22	22				
Surface Condition Rating (SCR)	22	22				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	22	22				
Alligator Crack Index	56	56				
Longitudinal Crack Index	66	66				
Transverse Cracking Index	67	67				
Patching Index	100	100				
Rutting Index	89	89				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	16.8	16.8				
Lane Width (ft)	8.4	8.4				

Kings Canyon National Park

ROUTE 0417AZ: PARK ROAD

Subcomponent of Route KICA-0411ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

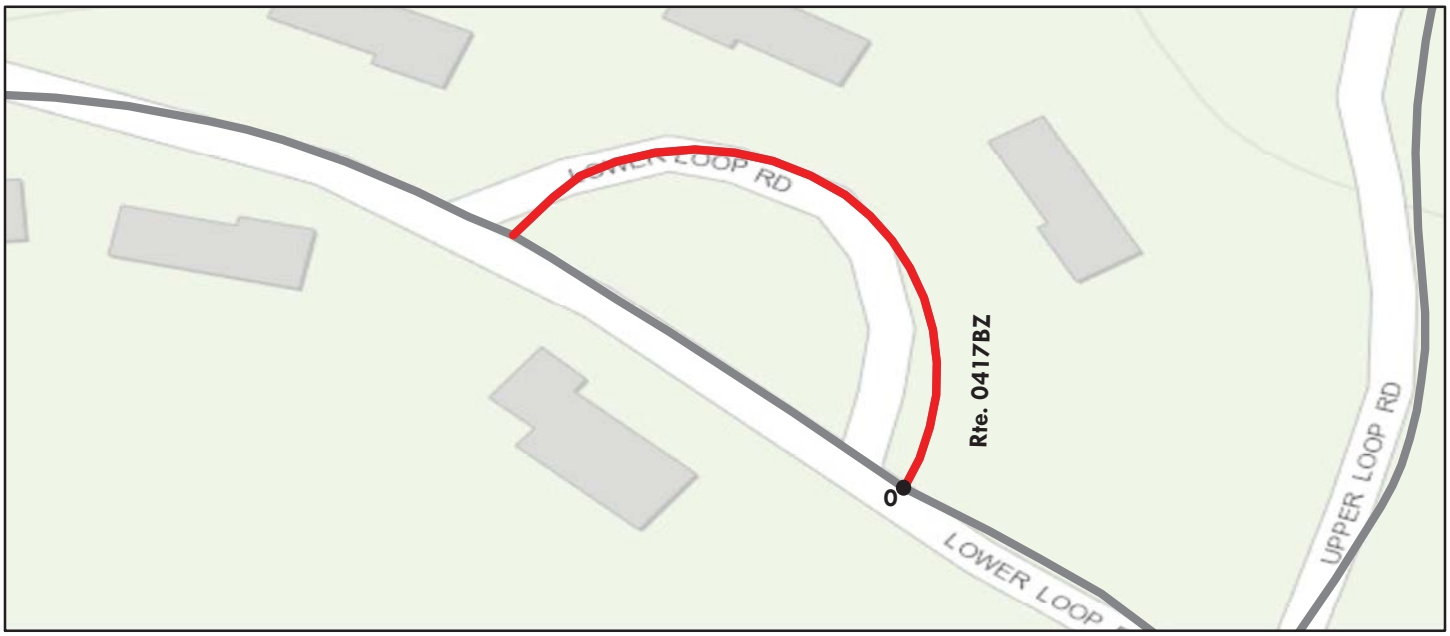
Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.18	**Section Length (MI)**	0.18				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	86	86				
Surface Condition Rating (SCR)	86	86				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	86	86				
Alligator Crack Index	100	100				
Longitudinal Crack Index	86	86				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	98	98				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	20	20				
Lane Width (ft)	10.4	10.4				

Kings Canyon National Park

ROUTE 0417BZ: QUARTERS 1612 LOOP

Subcomponent of Route KICA-0411ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

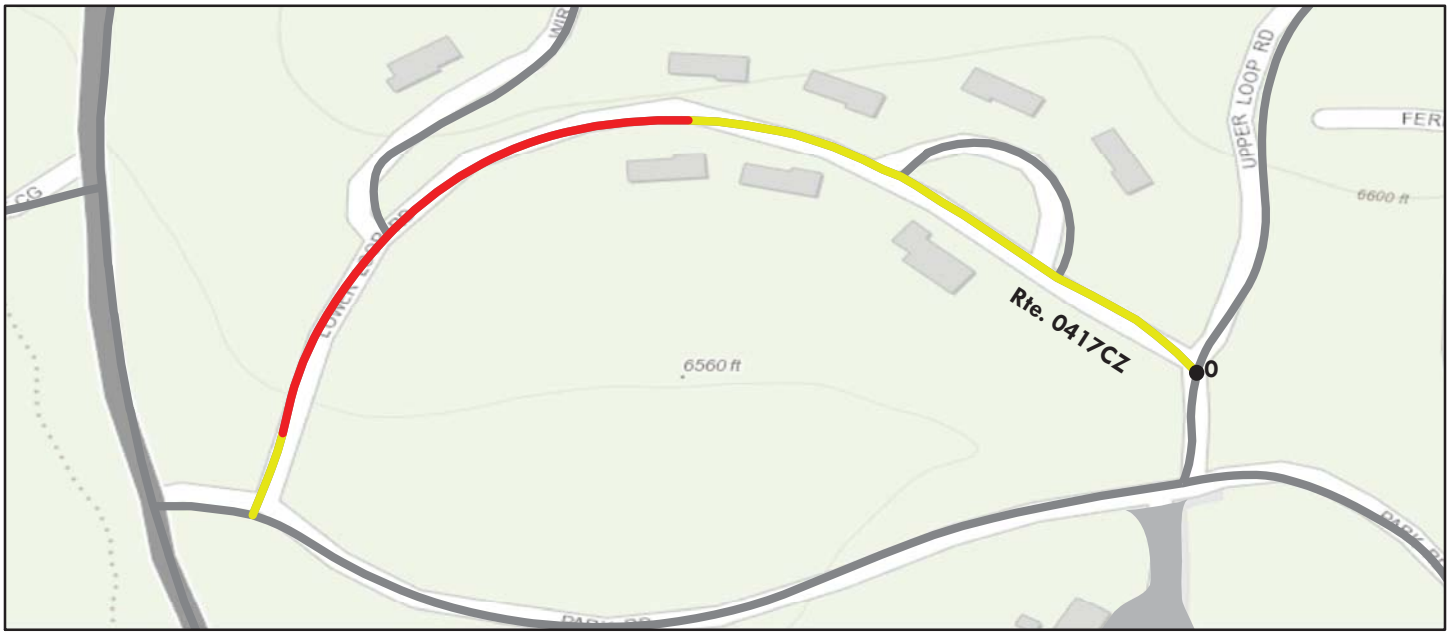
Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.05	**Section Length (MI)**	0.05				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	0	0				
Longitudinal Crack Index	80	80				
Transverse Cracking Index	74	74				
Patching Index	100	100				
Rutting Index	95	95				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	21.9	21.9				
Lane Width (ft)	11	11				

Kings Canyon National Park

ROUTE 0417CZ: LOWER LOOP ROAD

Subcomponent of Route KICA-0411ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

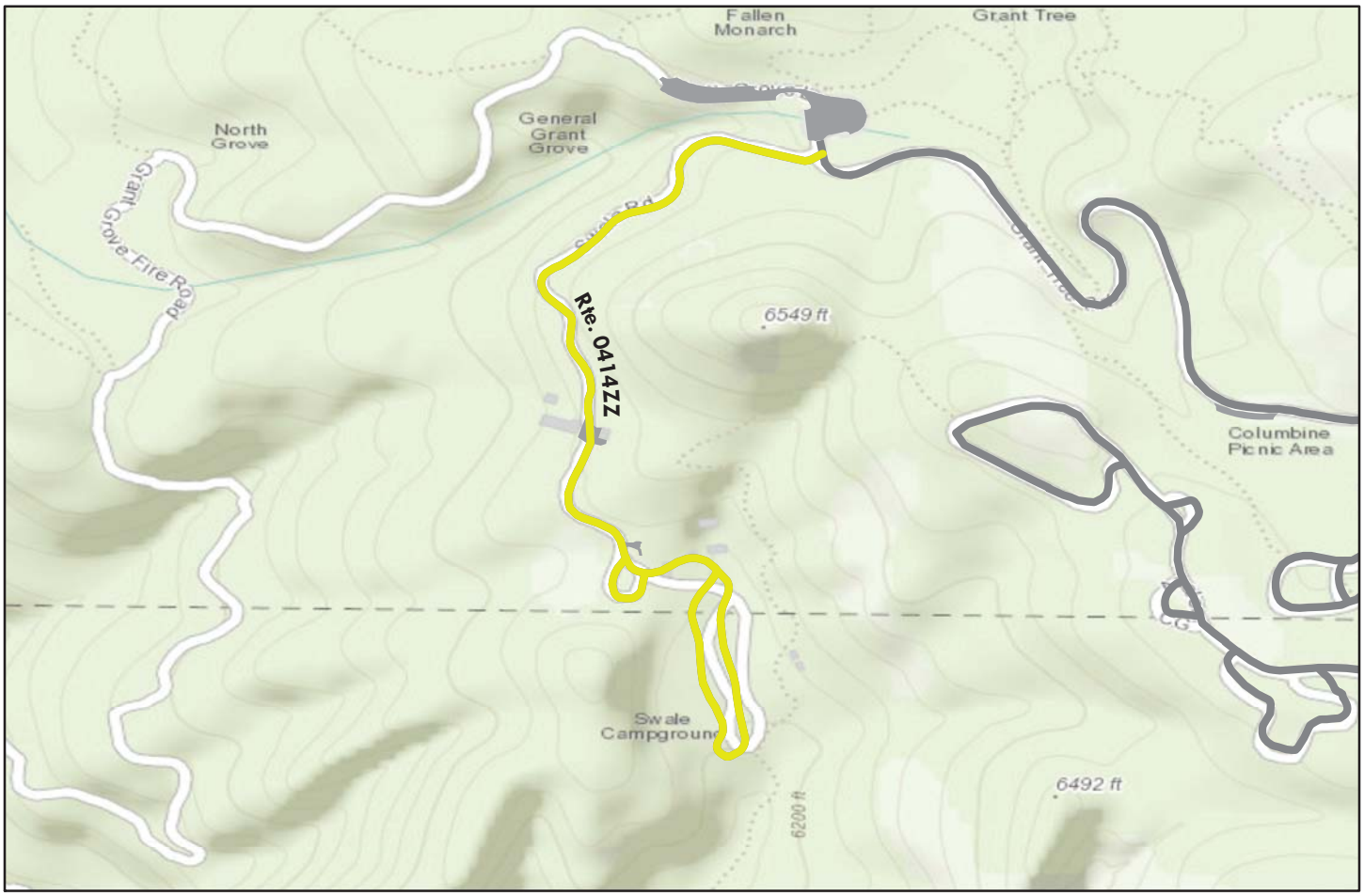
See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.22	**Section Length (MI)**	0.22				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	16	16				
Surface Condition Rating (SCR)	16	16				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	16	16				
Alligator Crack Index	47	47				
Longitudinal Crack Index	69	69				
Transverse Cracking Index	74	74				
Patching Index	100	100				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	18.7	18.7				
Lane Width (ft)	9.2	9.2				

Kings Canyon National Park

ROUTE 0414ZZ: SWALE WORK CENTER ROADS

Summary Route



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

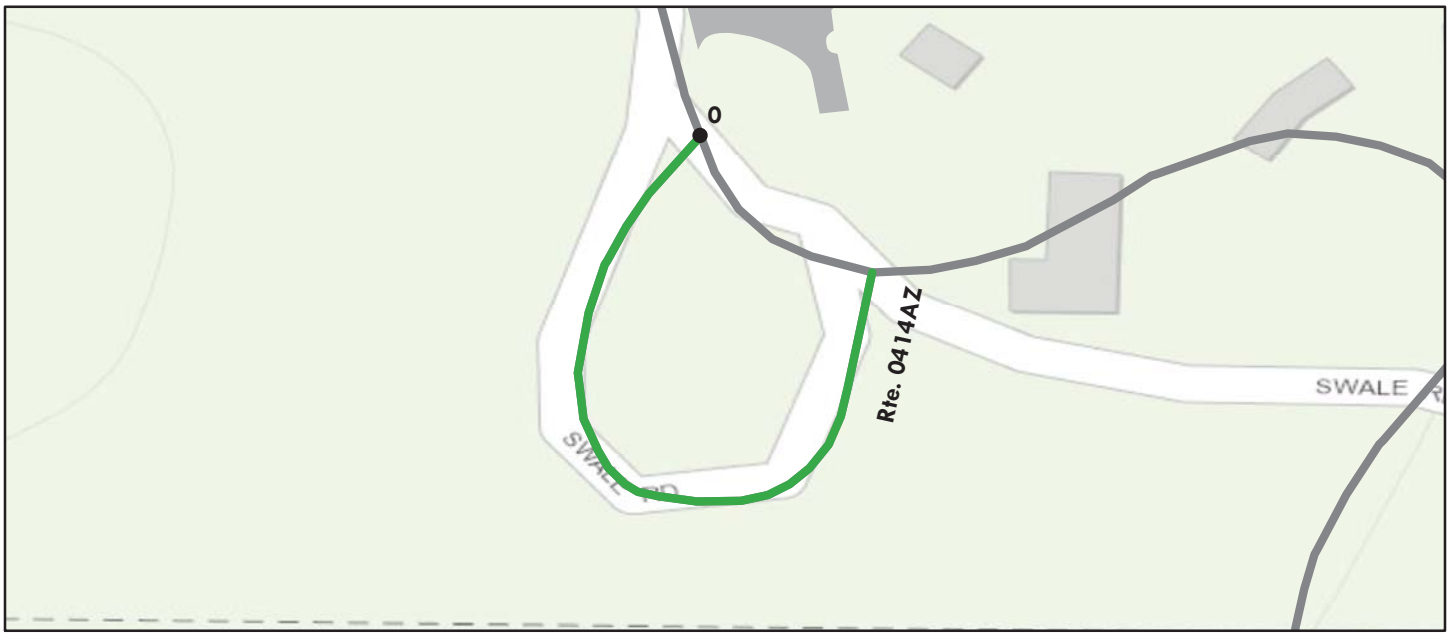
Inspection Date:	5/30/2015	
Paved Length (Miles):	0.88	
Surface Type:	ASPHALT	**Route Summary**
Roadway Condition Information		
Pavement Condition Rating (PCR)		61
Lane & Width Information		
Number of Lanes		1
Paved Width (ft)		14.9
Lane Width (ft)		10.3

Kings Canyon National Park

ROUTE 0414AZ: SWALE WORK CENTER LOOP A

Subcomponent of Route KICA-0414ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

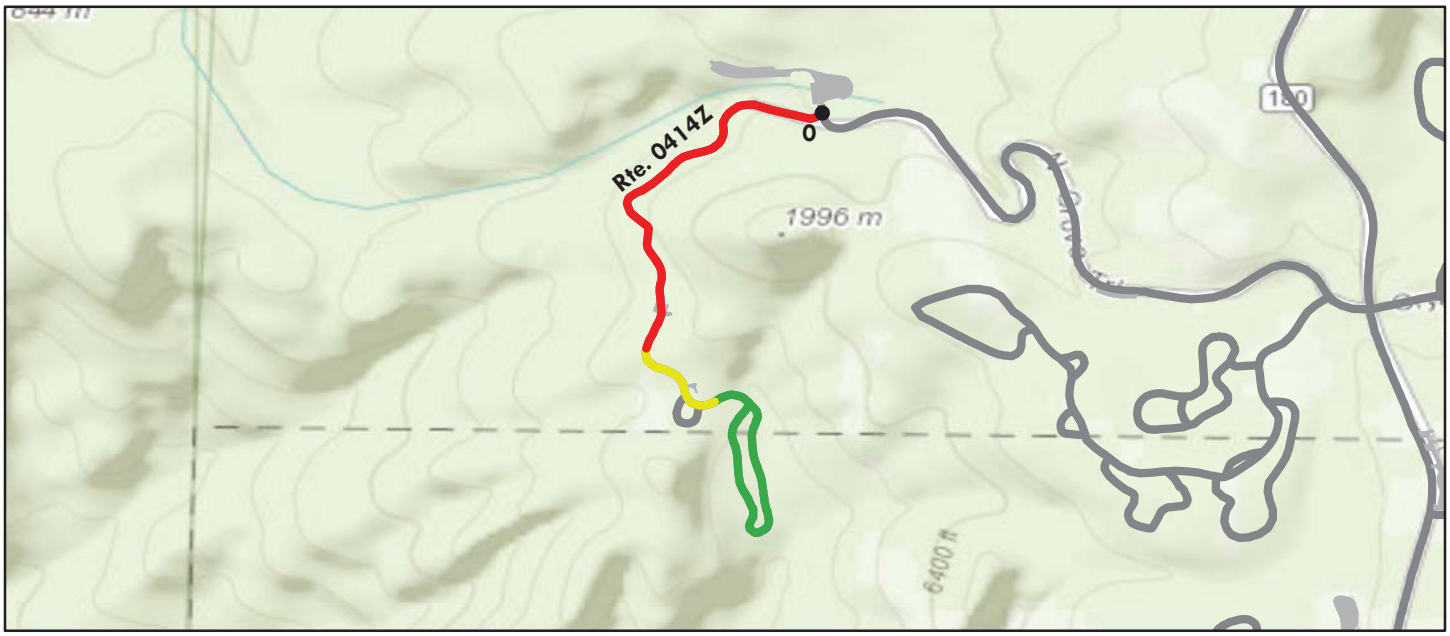
Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.06	**Section Length (MI)**	0.06				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	85	85				
Surface Condition Rating (SCR)	85	85				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	93	93				
Alligator Crack Index	100	100				
Longitudinal Crack Index	93	93				
Transverse Cracking Index	92	92				
Patching Index	100	100				
Rutting Index	85	85				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.4	10.4				
Lane Width (ft)	10.4	10.4				

Kings Canyon National Park

ROUTE 0414Z: SWALE ROAD

Subcomponent of Route KICA-0414ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.82	**Section Length (MI)**	0.82				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	60	60				
Surface Condition Rating (SCR)	60	60				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	60	60				
Alligator Crack Index	82	82				
Longitudinal Crack Index	78	78				
Transverse Cracking Index	95	95				
Patching Index	100	100				
Rutting Index	93	93				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	15.2	15.2				
Lane Width (ft)	10.3	10.3				

Kings Canyon National Park

ROUTE 0418: WATER TANK ROAD

Data Collection Vehicle (DCV) Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

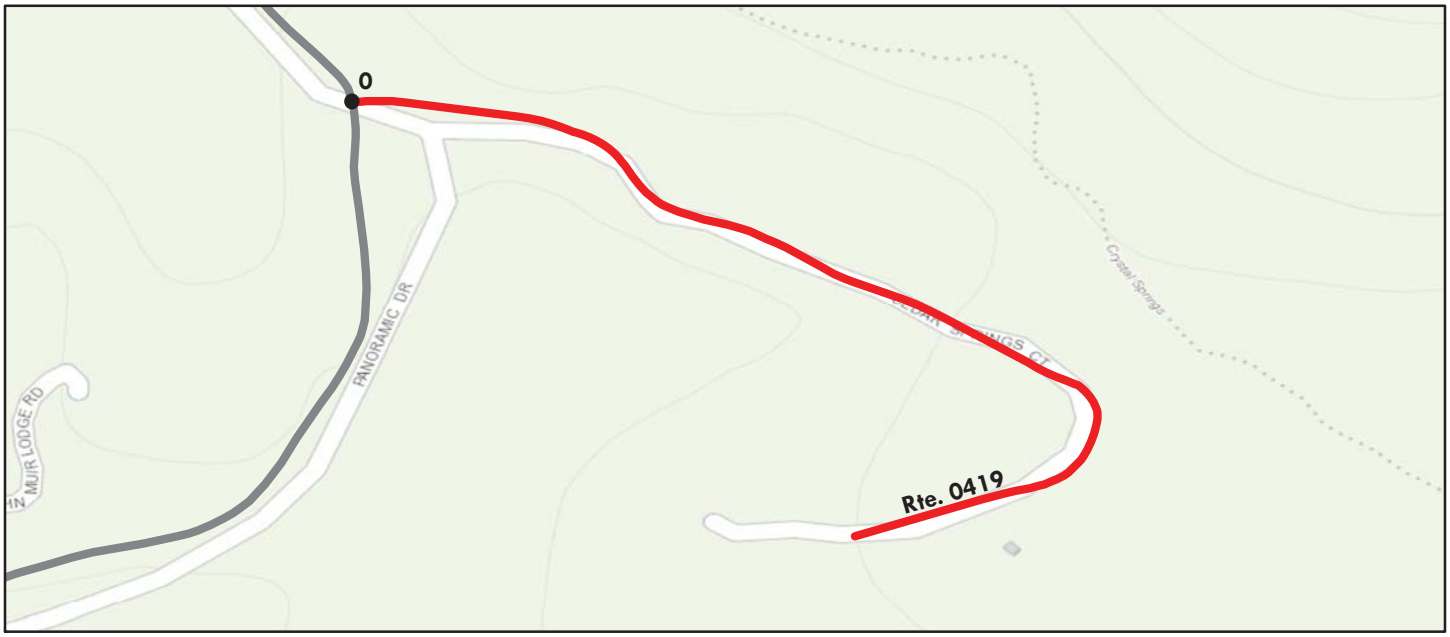
See Appendix for definitions and formulas

Inspection Date: 5/30/2015	**Beginning Section MP**	0				
Paved Length (Miles): 0.41	**Section Length (MI)**	0.41				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	16	16				
Surface Condition Rating (SCR)	16	16				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	16	16				
Alligator Crack Index	79	79				
Longitudinal Crack Index	37	37				
Transverse Cracking Index	83	83				
Patching Index	96	96				
Rutting Index	93	93				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.7	10.7				
Lane Width (ft)	10.7	10.7				

Kings Canyon National Park

ROUTE 0419: TRAILER RESIDENCE ROAD

Manual Rating



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 9/25/2014	**Beginning Section MP**	0.00				
Paved Length (Miles): 0.23	**Section Length (MI)**	0.23				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	30	30				
Surface Condition Rating (SCR)	30	30				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	N/A	N/A				
Alligator Crack Index	30	30				
Longitudinal Crack Index	30	30				
Transverse Cracking Index	53	53				
Patching Index	30	30				
Rutting Index	53	53				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	12	12				
Lane Width (ft)	12	12				

Kings Canyon National Park

ROUTE 0419: TRAILER RESIDENCE ROAD

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

KICA_0419_8879.JPG

KICA_0419_8880.JPG

KICA_0419_8882.JPG

KICA_0419_8883.JPG

KICA_0419_8885.JPG

KICA_0419_8886.JPG

Kings Canyon National Park

ROUTE 0427: CEDAR GROVE WATER TANK ROAD

Manual Rating

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	9/24/2014	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.15	**Section Length (MI)**	0.15				
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		73	73				
Surface Condition Rating (SCR)		73	73				
Roughness Condition Index (RCI)		N/A	N/A				
Distress Index Values							
Structural Crack Index		N/A	N/A				
Alligator Crack Index		90	90				
Longitudinal Crack Index		90	90				
Transverse Cracking Index		73	73				
Patching Index		97	97				
Rutting Index		90	90				
International Roughness Index (IRI)		N/A	N/A				
Lane & Width Information							
Number of Lanes		1	1				
Paved Width (ft)		13	13				
Lane Width (ft)		13	13				

Kings Canyon National Park

ROUTE 0427: CEDAR GROVE WATER TANK ROAD

Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

KICA_0427_8750.JPG

KICA_0427_8751.JPG

KICA_0427_8752.JPG

KICA_0427_8754.JPG

KICA_0427_8755.JPG

KICA_0427_8756.JPG

Section 6
Paved Parking Area Condition Rating Sheets

Kings Canyon National Park

Federal Lands Highway
Road Inventory Program

Kings Canyon National Park

ROUTE 0900: BIG STUMP PICNIC PARKING AREA

Manual Rating

FROM ROUTE 0015 (GRANT GROVE ROAD) (SOUTH) ON LEFT

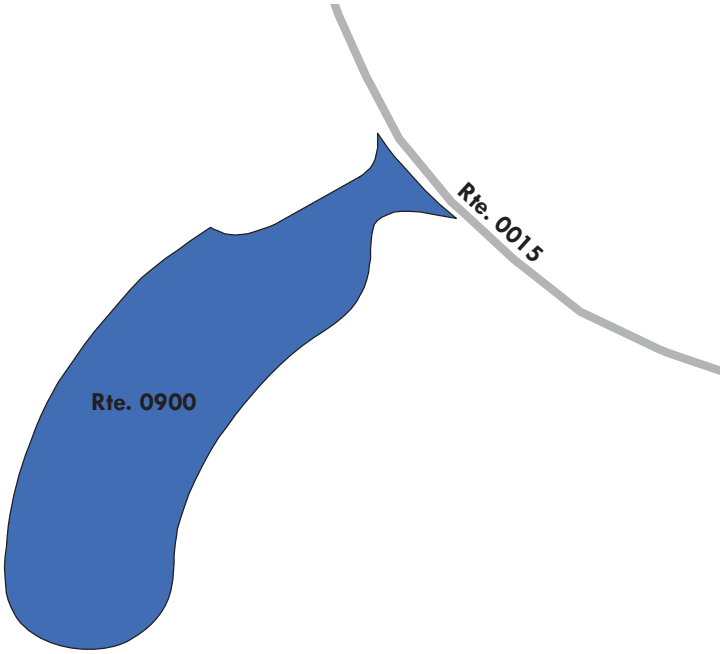
TO PARKING

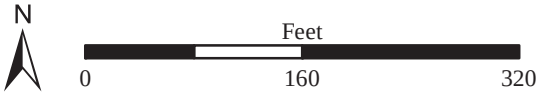
Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73099	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
36,569	0.63	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
DO NOTHING		EXCELLENT / 97	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas





Kings Canyon National Park

ROUTE 0901: KINGS CANYON OVERLOOK PARKING

Manual Rating

FROM ROUTE 0010 (GENERALS HIGHWAY HISTORIC) ON RIGHT

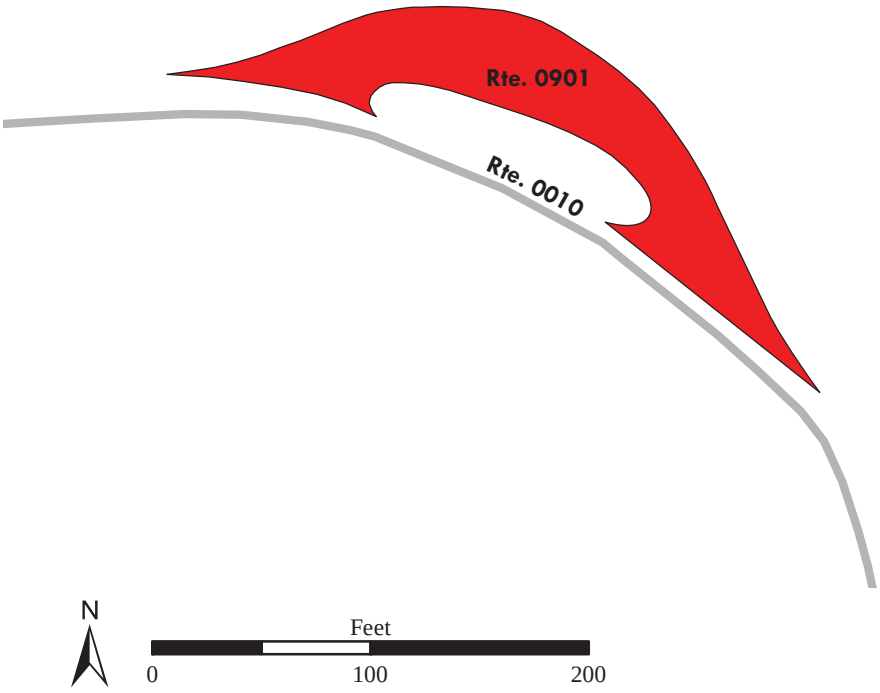
TO ROUTE 0010 (GENERALS HIGHWAY HISTORIC) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73101	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
7,973	0.137	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0902: MAINTENANCE AREA PARKING (PINE CAMP COURT)

Manual Rating

FROM ROUTE 0411ZZ (GRANT GROVE RESIDENCE LOOPS)

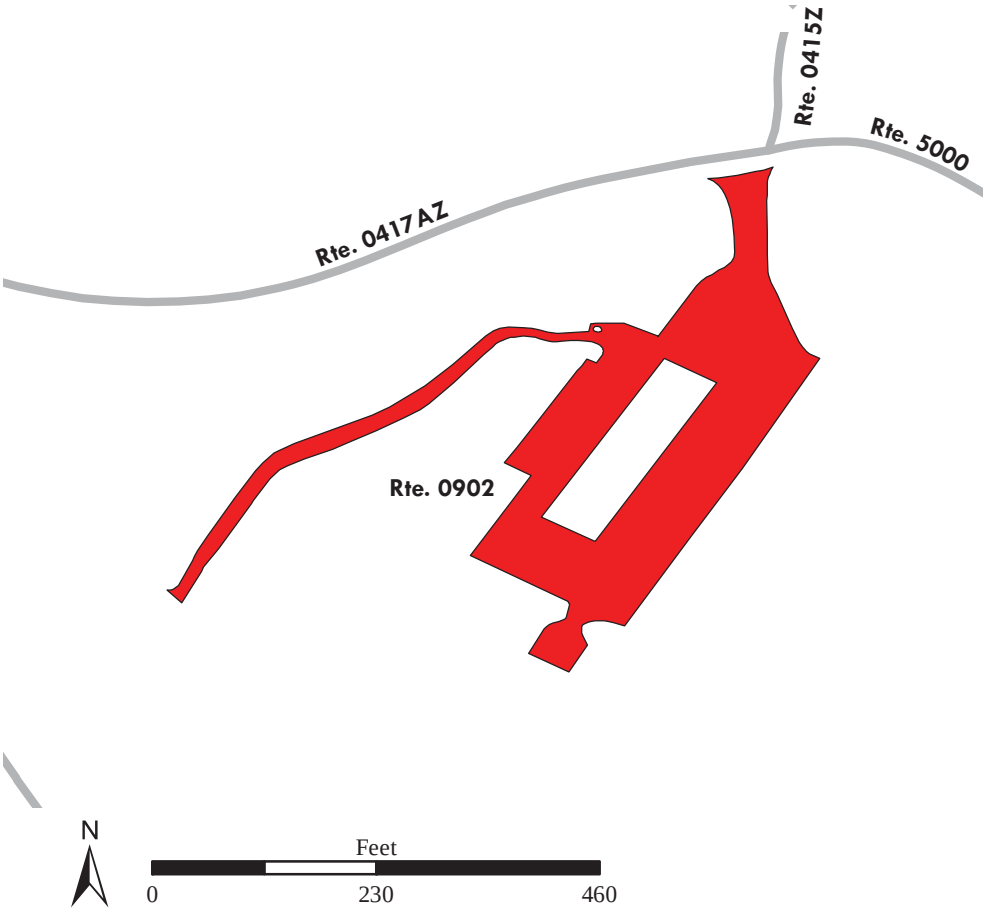
TO MAINTENANCE AREA AND HOUSING AREA

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73103	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
55,475	0.955	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0903: SUNSET AMPHITHEATER PARKING

Manual Rating

FROM ROUTE 0220ZZ (SUNSET CAMPGROUND ROADS)

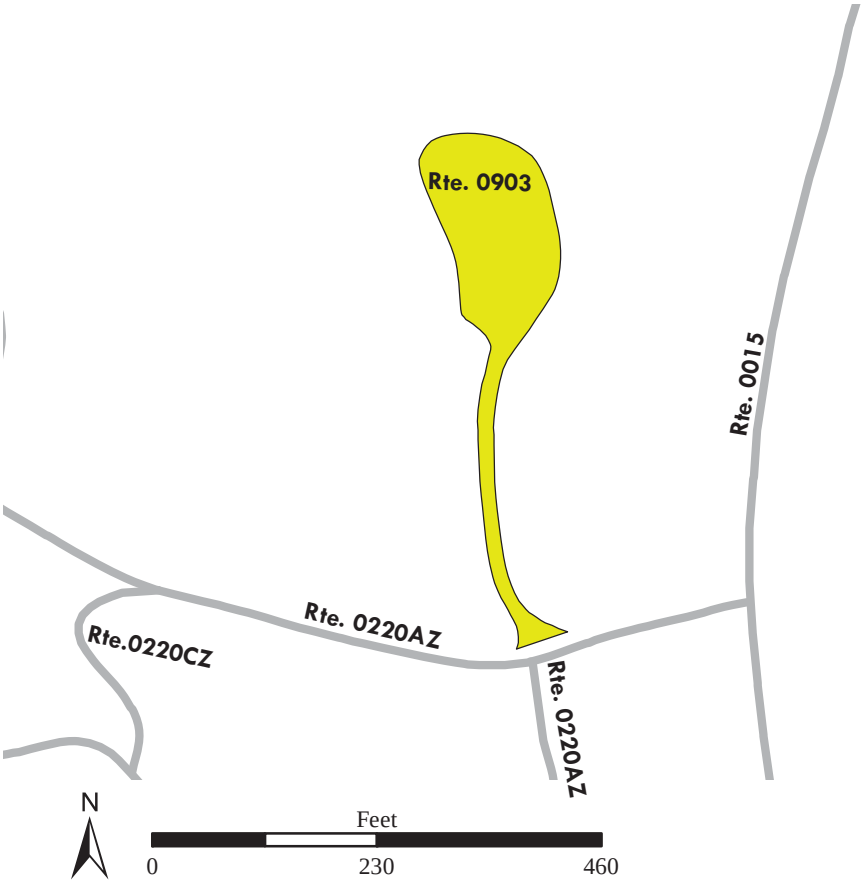
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73104	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
21,891	0.377	4	MODERATE REPAIR
Curb Type		**Curb & Gutter Type**	
ASPHALT		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0904ZZ: CONCESSION PARKING - THE PLAZA

Summary Route
Manual Rating

FROM ROUTE 0015 (GRANT GROVE ROAD) ON RIGHT AND ROUTE 0101 (PANORAMIC ROAD)

TO PARKING AREAS

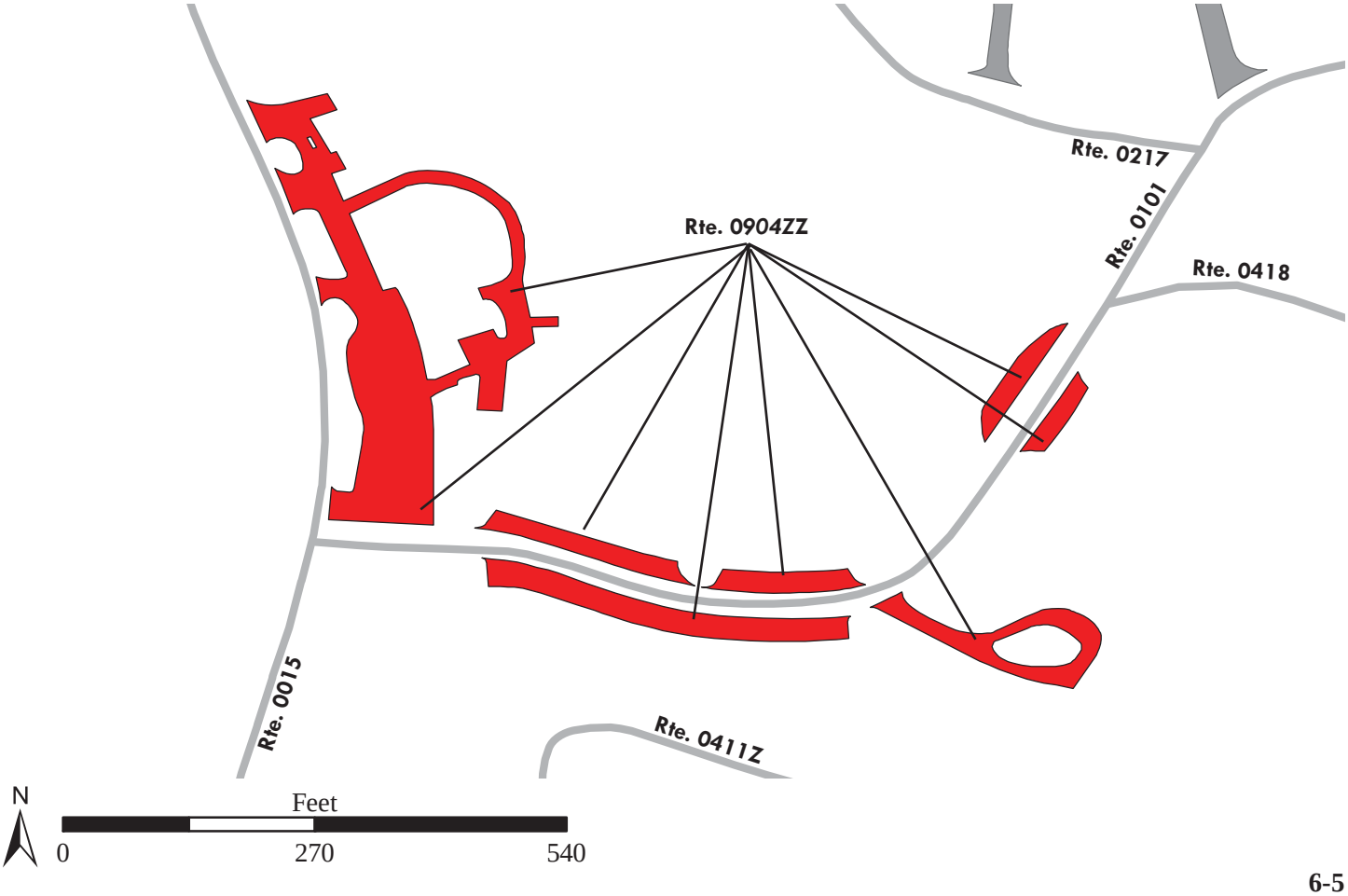
Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73105	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
55,629	0.957	SUMMARY / 48	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.



Kings Canyon National Park

ROUTE 0904Z: GRANT GROVE PLAZA PARKING

Subcomponent of Route KICA-0904ZZ
Manual Rating

FROM ROUTE 0015 (GRANT GROVE ROAD) ON RIGHT

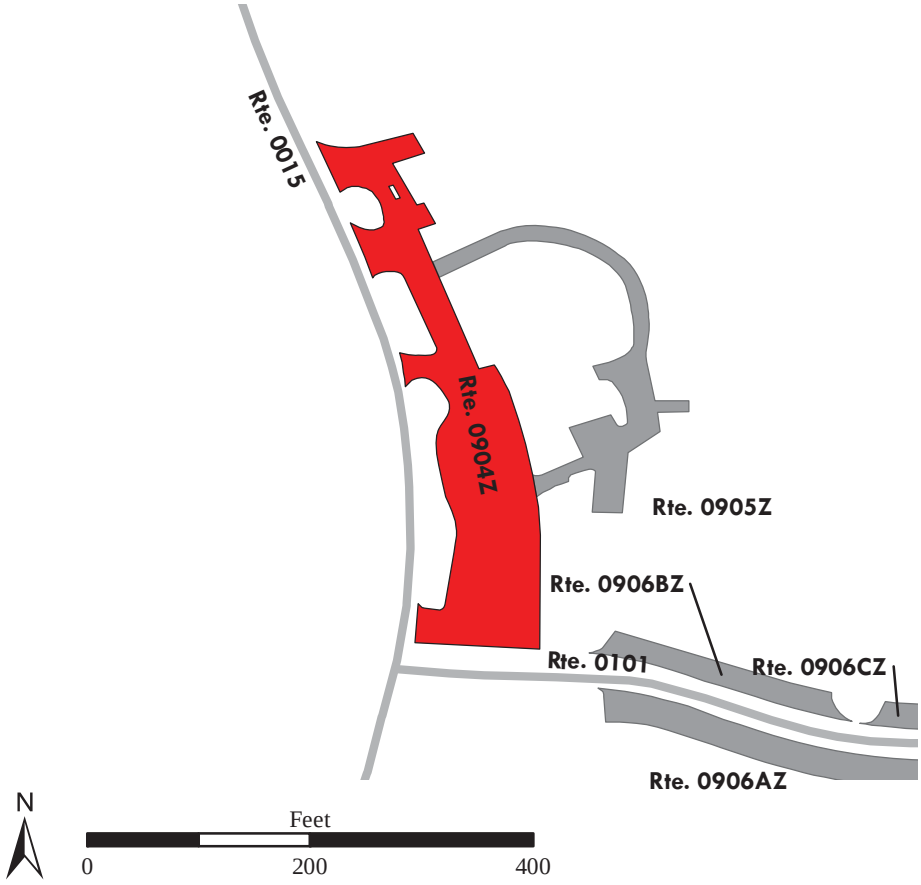
TO ROUTE 0905Z (GRANT GROVE CONCESSION SERVICE ACCESS PARKING) AND ROUTE 0015 (GRANT GROVE ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73105	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
24,015	0.413	NOT APPLICABLE	MODERATE REPAIR
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0905Z: GRANT GROVE CONCESSION SERVICE ACCESS PARKING

Subcomponent of Route KICA-0904ZZ
Manual Rating

FROM ROUTE 0904Z (GRANT GROVE PLAZA PARKING)

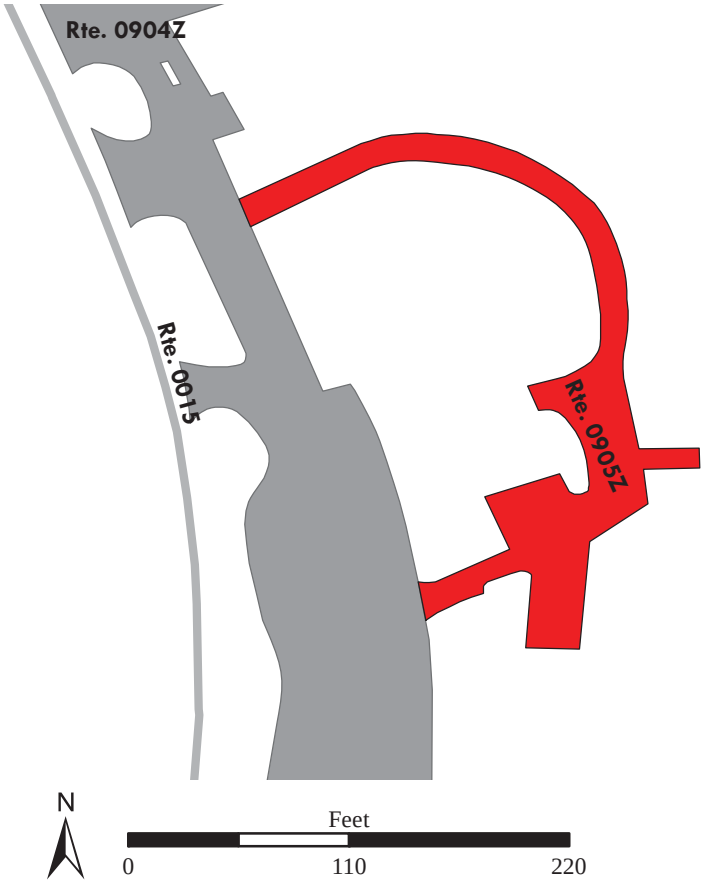
TO LOADING AREA AND ROUTE 0904Z (GRANT GROVE PLAZA PARKING

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73105	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
8,079	0.139	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0906AZ: GRANT GROVE VISITOR CENTER PARKING AREA A

Subcomponent of Route KICA-0904ZZ
Manual Rating

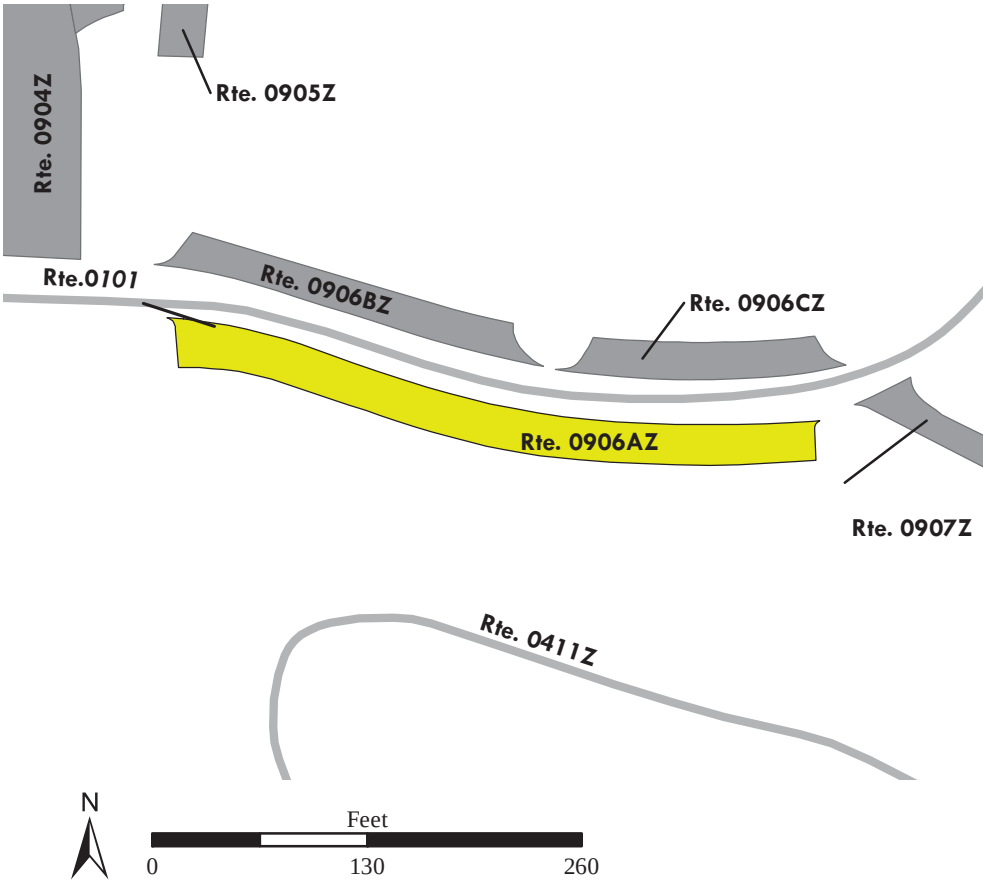
ADJACENT TO ROUTE 0101 (PANORAMIC ROAD) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73105	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
7,982	0.137	NOT APPLICABLE	MODERATE REPAIR
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0906BZ: GRANT GROVE VISITOR CENTER PARKING AREA B

Subcomponent of Route KICA-0904ZZ
Manual Rating

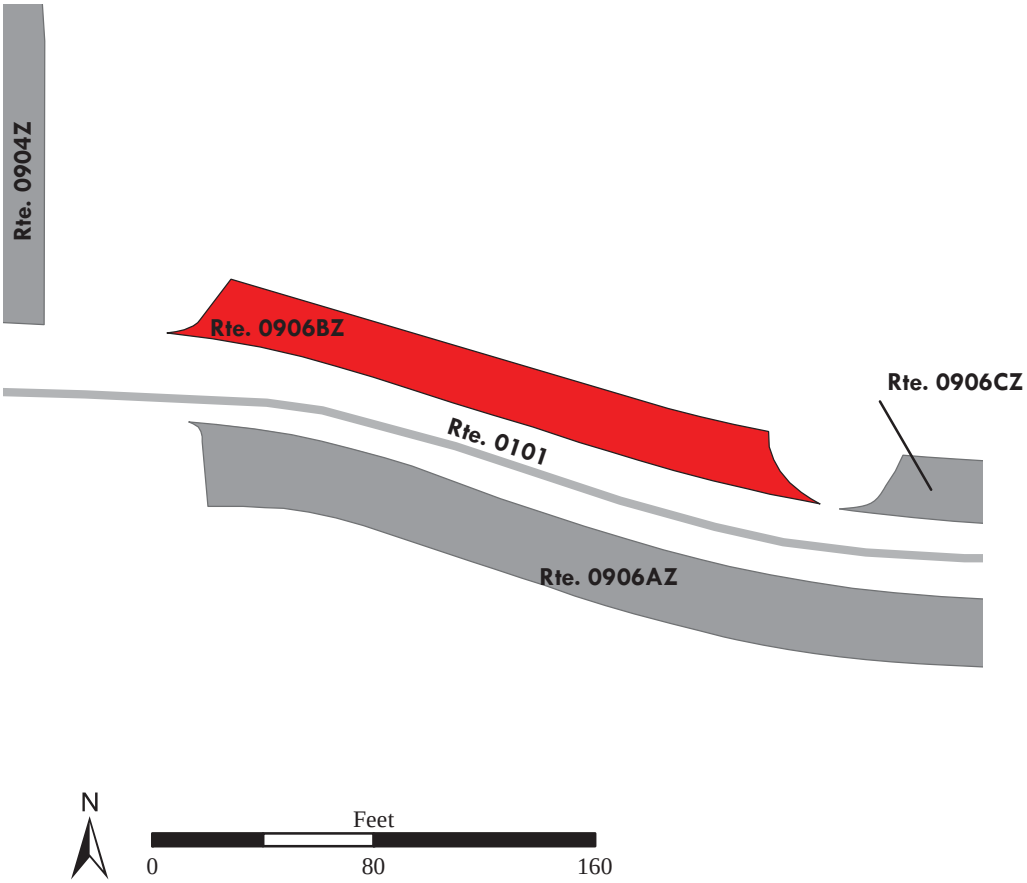
ADJACENT TO ROUTE 0101 (PANORAMIC ROAD) ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73105	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
3,553	0.061	NOT APPLICABLE	MODERATE REPAIR
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0906CZ: GRANT GROVE VISITOR CENTER PARKING AREA C

Subcomponent of Route KICA-0904ZZ
Manual Rating

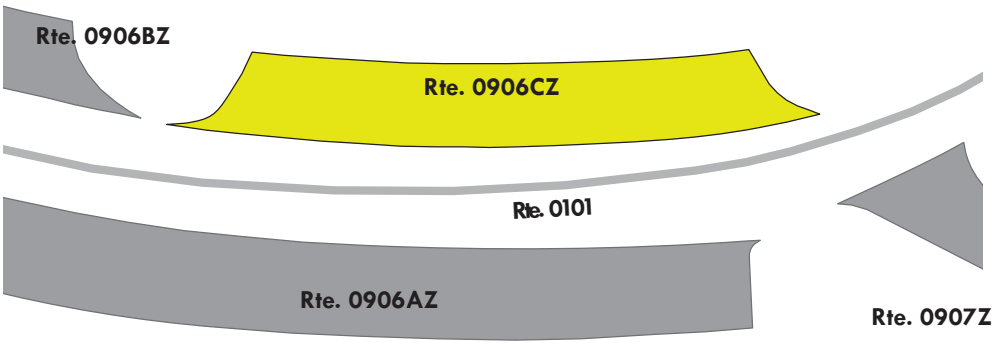
ADJACENT TO ROUTE 0101 (PANORAMIC ROAD) ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73105	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,639	0.045	NOT APPLICABLE	MODERATE REPAIR
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0907Z: MANZANITA TRAIL PARKING

Subcomponent of Route KICA-0904ZZ
Manual Rating

FROM ROUTE 0101 (PANORAMIC ROAD) ON RIGHT

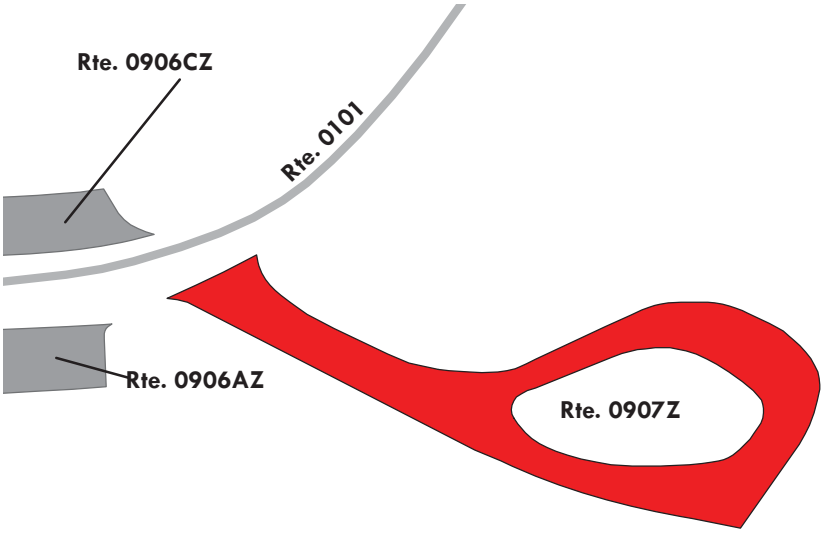
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73105	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
5,565	0.096	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0908AZ: GRANT GROVE VILLAGE PARKING AREA A

Subcomponent of Route KICA-0904ZZ
Manual Rating

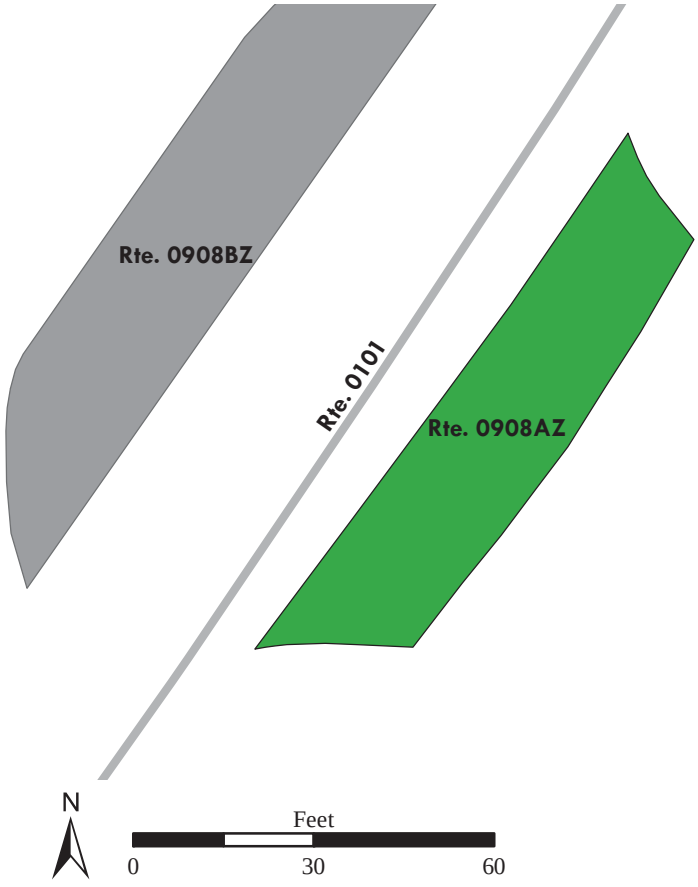
ADJACENT TO ROUTE 0101 (PANORAMIC ROAD) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73105	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,542	0.027	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0908BZ: GRANT GROVE VILLAGE PARKING AREA B

Subcomponent of Route KICA-0904ZZ
Manual Rating

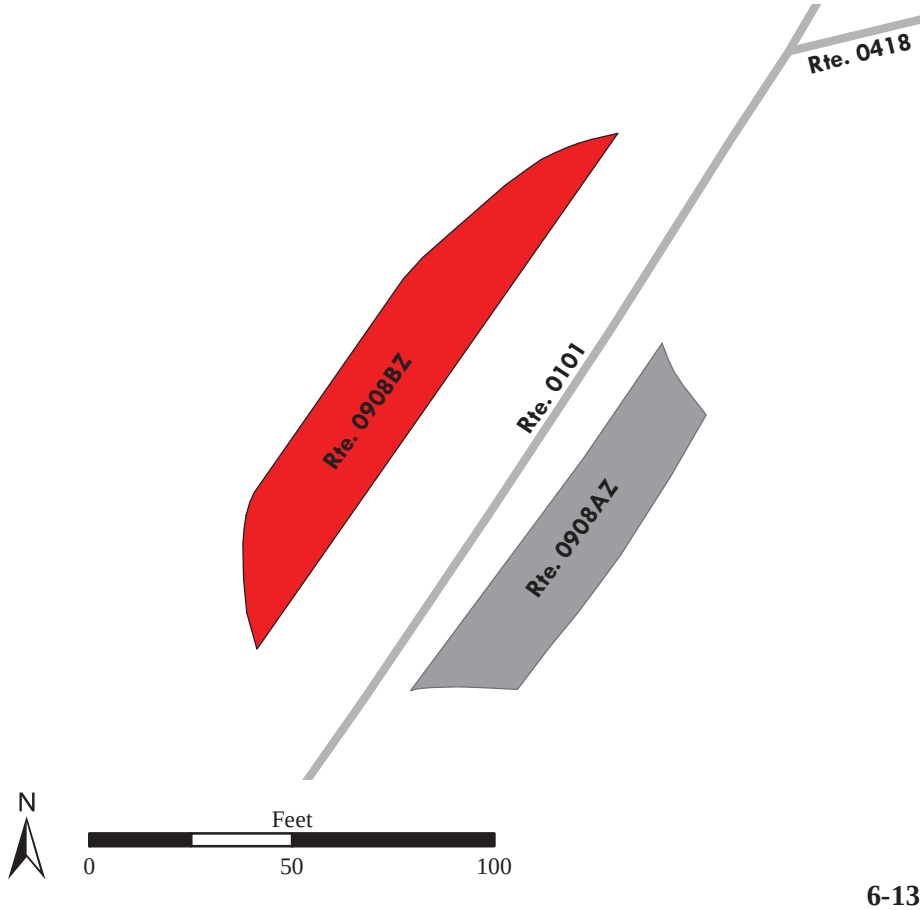
ADJACENT TO ROUTE 0101 (PANORAMIC ROAD) ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73105	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,254	0.039	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0910ZZ: JOHN MUIR LODGE/ MEADOW CAMP PARKING

Summary Route
Manual Rating

FROM ROUTE 0101 (PANORAMIC ROAD) AND ROUTE 0217 (CRYSTAL SPRINGS ROAD)

TO PARKING

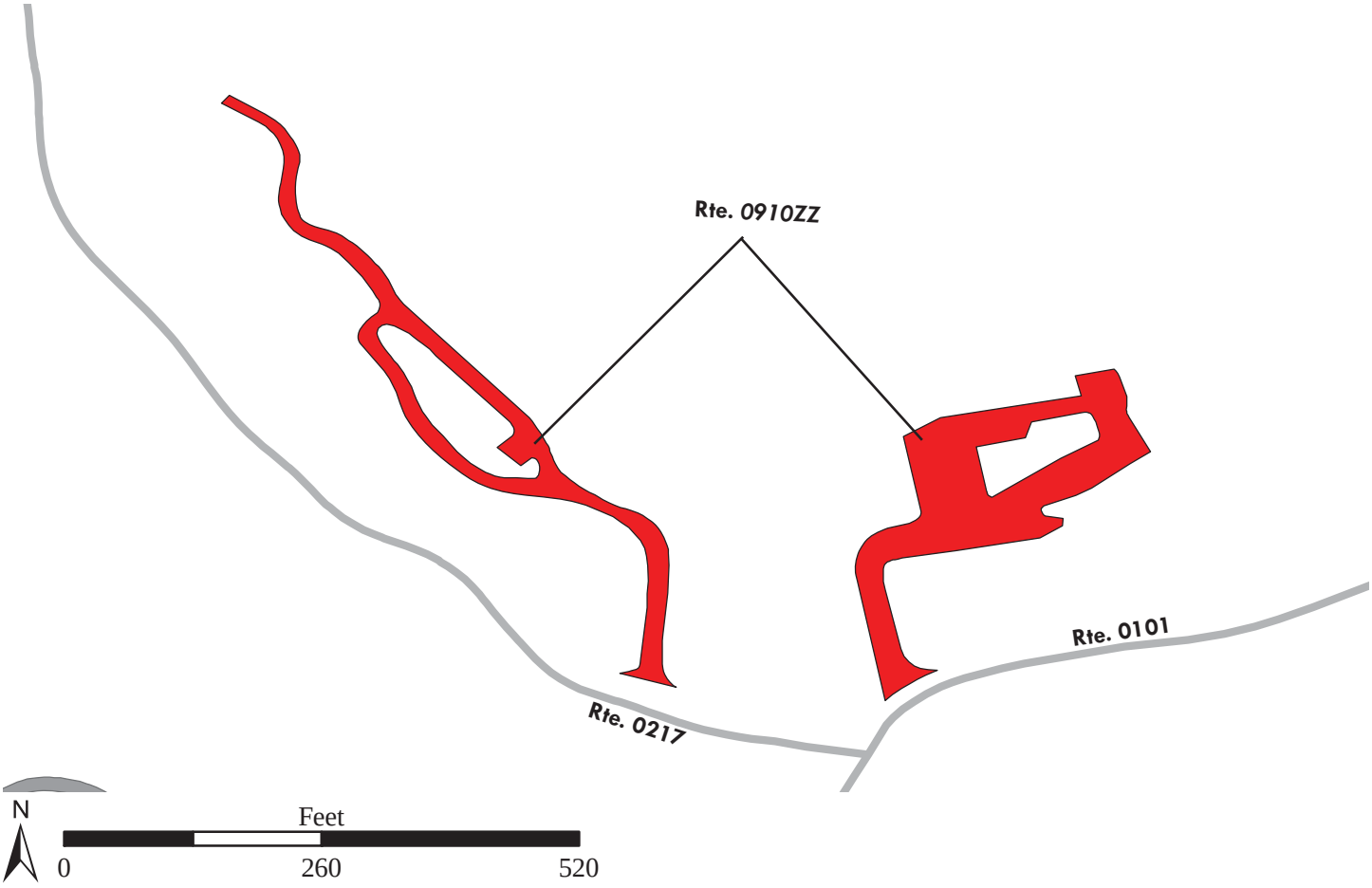
Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73111	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
37,708	0.65	SUMMARY / 44	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.



Kings Canyon National Park

ROUTE 0909Z: JOHN MUIR LODGE PARKING

Subcomponent of Route KICA-0910ZZ
Manual Rating

FROM ROUTE 0101 (PANORAMIC ROAD)

TO PARKING

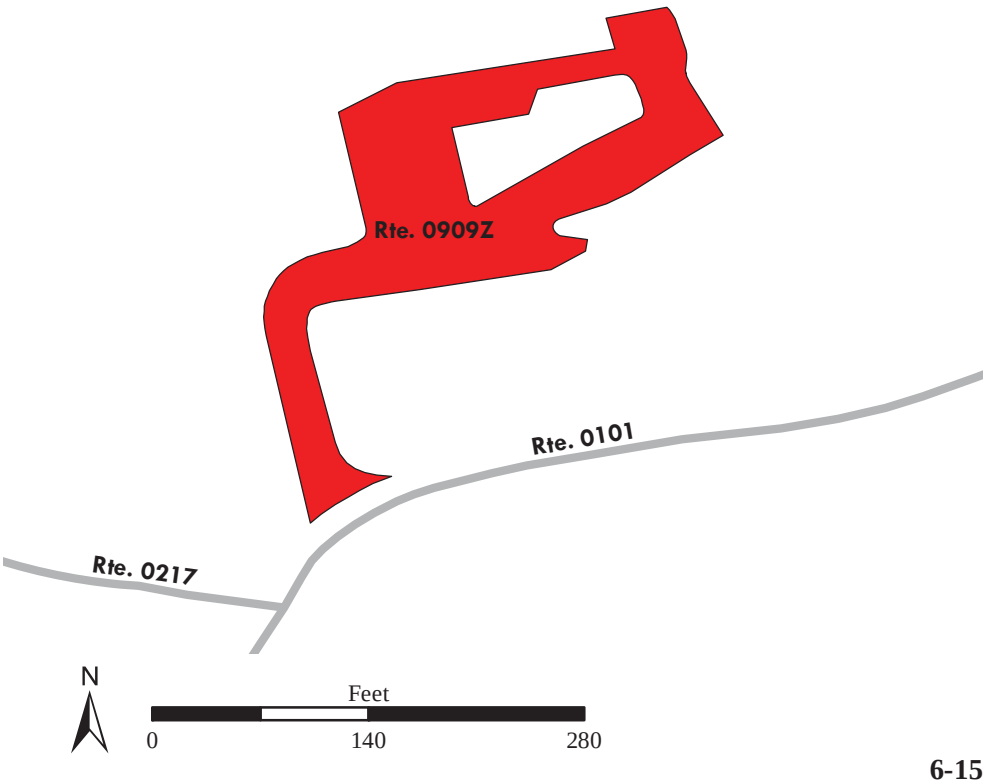
Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73111	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
22,507	0.388	5	REPLACE
Curb Type		**Curb & Gutter Type**	
CONCRETE		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Parking area consists of multiple surface types: 1 part Asphalt at 19,414 square feet; 4 parts of Brick at 3093 square feet.



Kings Canyon National Park

ROUTE 0910Z: MEADOW CAMP CABINS ROAD

Subcomponent of Route KICA-0910ZZ
Manual Rating

FROM ROUTE 0217 (CRYSTAL SPRINGS ROAD)

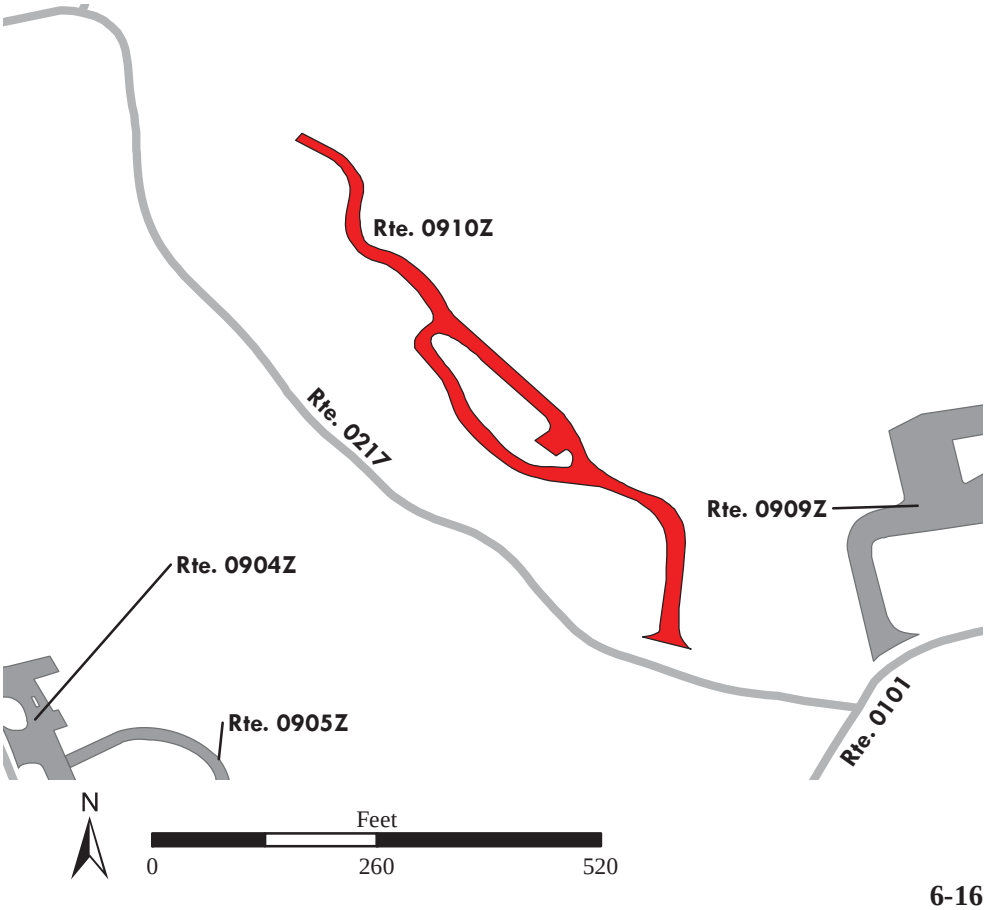
THROUGH CABIN AREA

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73111	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
15,201	0.262	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0911: COLUMBINE PICNIC PARKING AREA

Manual Rating

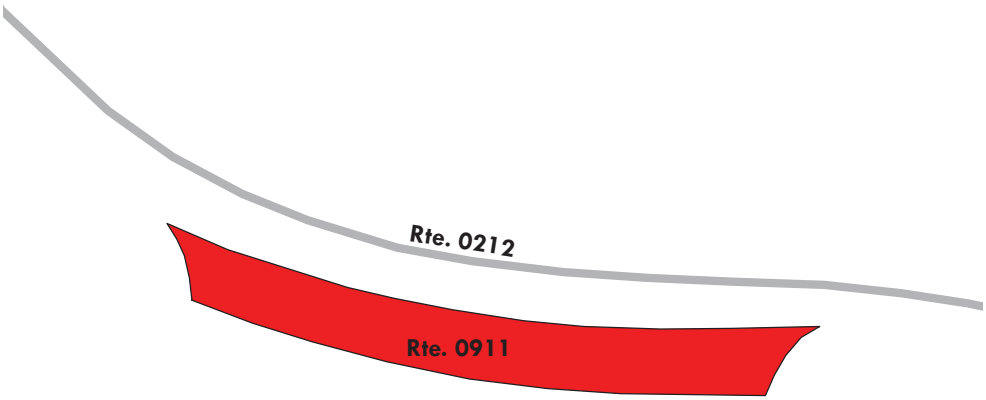
ADJACENT TO ROUTE 0212 (GRANT TREE ROAD) ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73135	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
4,728	0.081	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0912: GRANT TREE PARKING

Manual Rating

FROM END OF ROUTE 0212 (GRANT TREE ROAD)

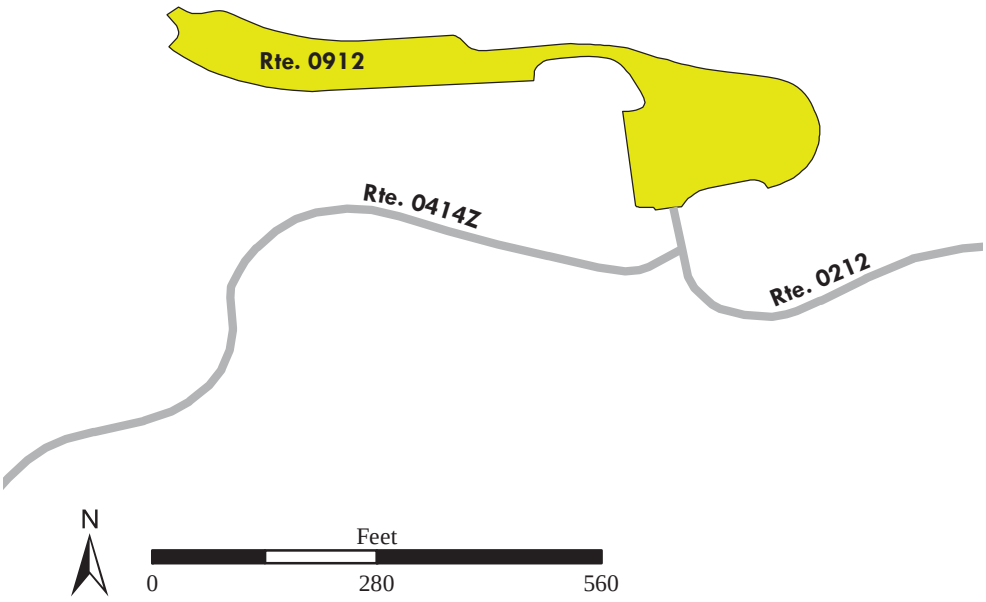
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73136	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
50,958	0.877	NOT APPLICABLE	LIGHT REPAIR
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0914: CEDAR GROVE MAINTENANCE AREA

Manual Rating

FROM ROUTE 0400ZZ (CEDAR GROVE RESIDENCE ROADS)

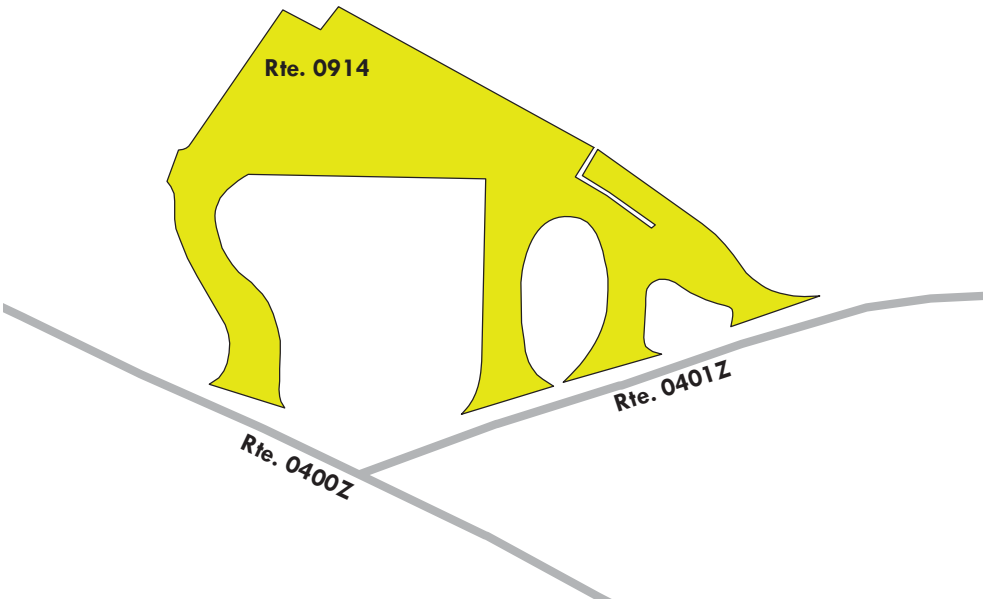
TO ROUTE 0400ZZ (CEDAR GROVE RESIDENCE ROADS)

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73139	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
16,522	0.284	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0916ZZ: CEDAR GROVE VILLAGE / PICNIC PARKING

Summary Route
Manual Rating

FROM ROUTE 0205 (NORTH SIDE ROAD

TO ROUTE 0402ZZ (PICNIC ESTATES HOUSING ROADS)

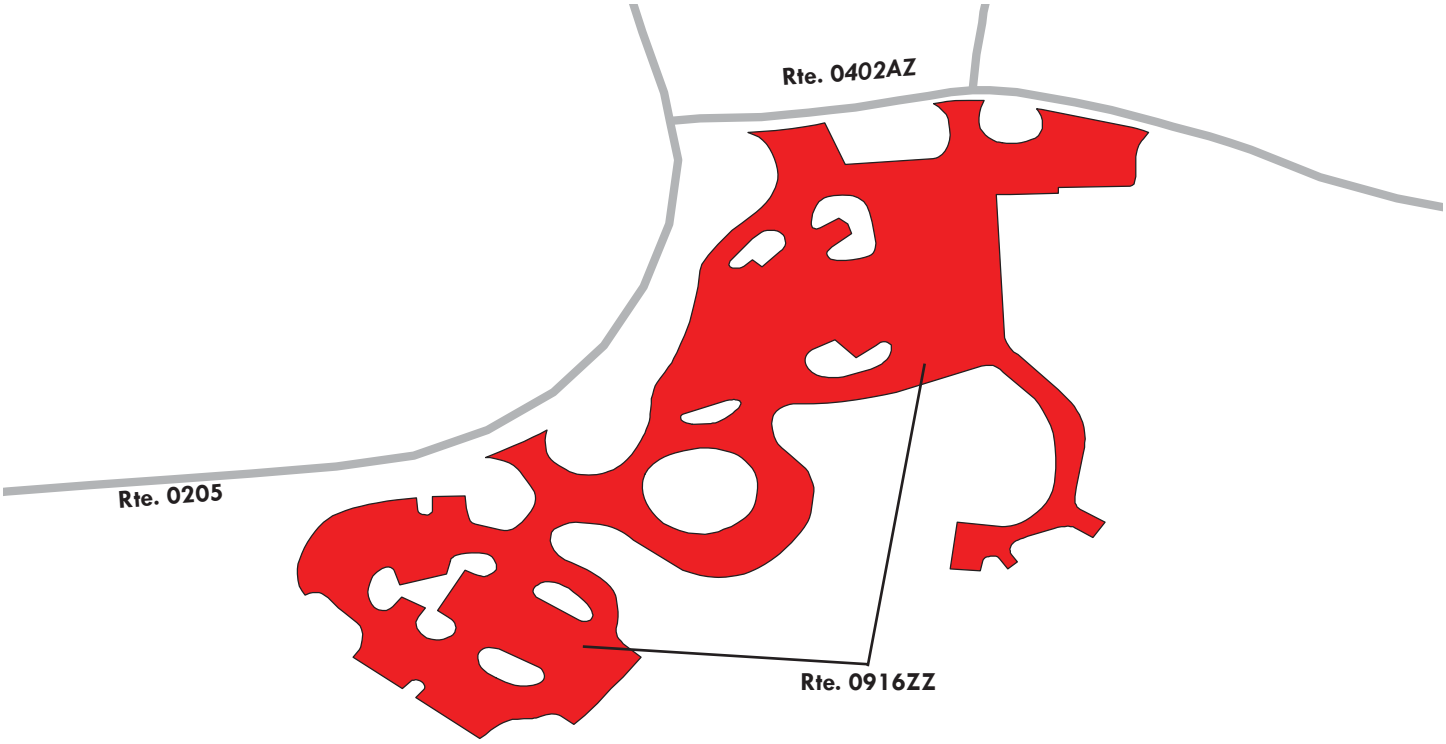
Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73140	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
78,942	1.359	SUMMARY / 46	

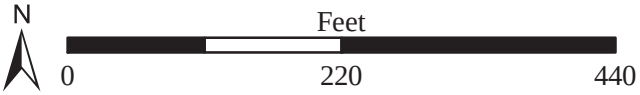
Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.





Kings Canyon National Park

ROUTE 0916Z: CEDAR GROVE VILLAGE PARKING

Subcomponent of Route KICA-0916ZZ
Manual Rating

FROM ROUTE 0205 (NORTH SIDE ROAD)

TO ROUTE 0402ZZ (PICNIC ESTATES HOUSING ROADS)

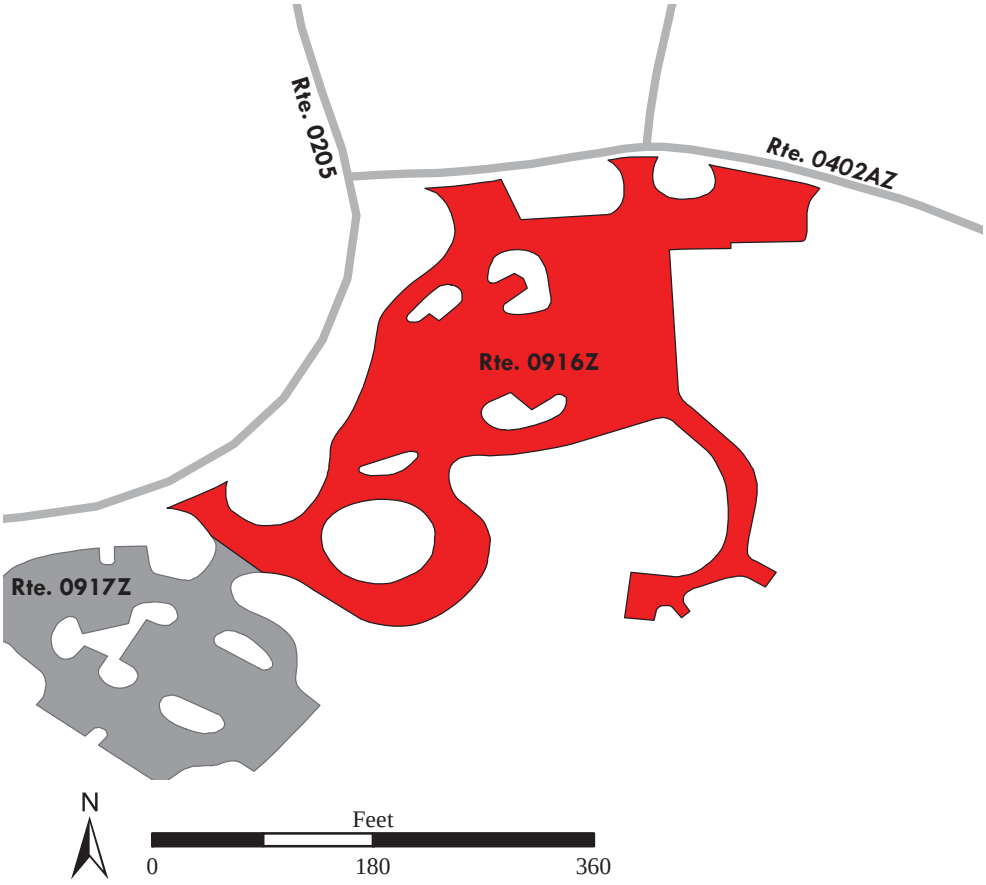
Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73140	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
55,246	0.951	NOT APPLICABLE	REPLACE
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas

Parking area consists of multiple surface types: 1 part Asphalt at 53,117 square feet; 1 part of Concrete at 2129 square feet.



Kings Canyon National Park

ROUTE 0917Z: CEDAR GROVE VILLAGE PICNIC PARKING

Subcomponent of Route KICA-0916ZZ
Manual Rating

FROM ROUTE 0916Z (CEDAR GROVE VILLAGE PARKING)

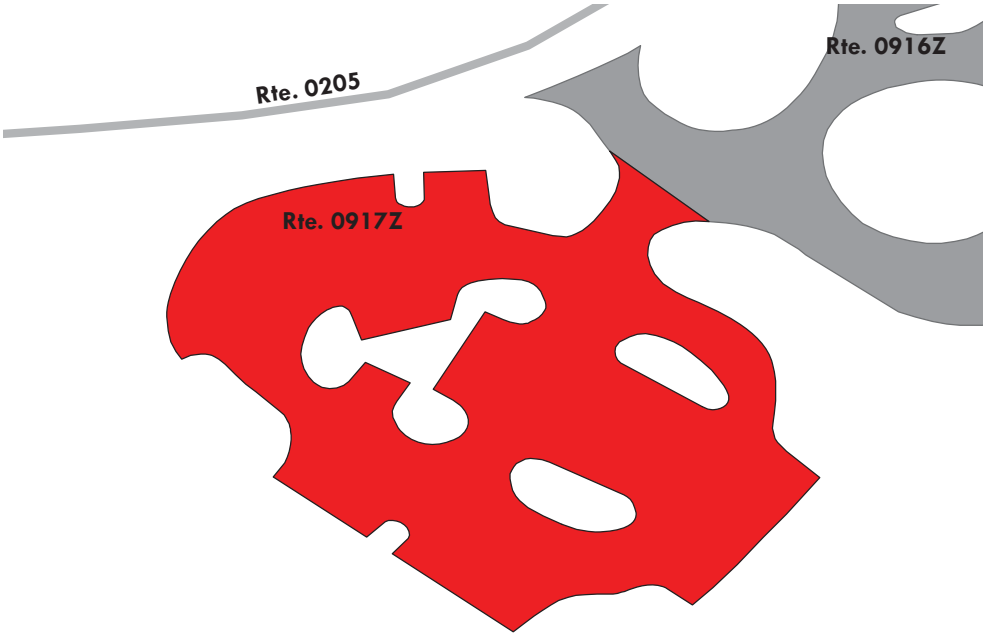
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73140	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
23,696	0.408	NOT APPLICABLE	REPLACE
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0918ZZ: CEDAR GROVE VISITOR CENTER PARKING AREAS

Summary Route
Manual Rating

FROM ROUTE 0207ZZ (SENTINEL CAMPGROUND ROADS)

TO PARKING

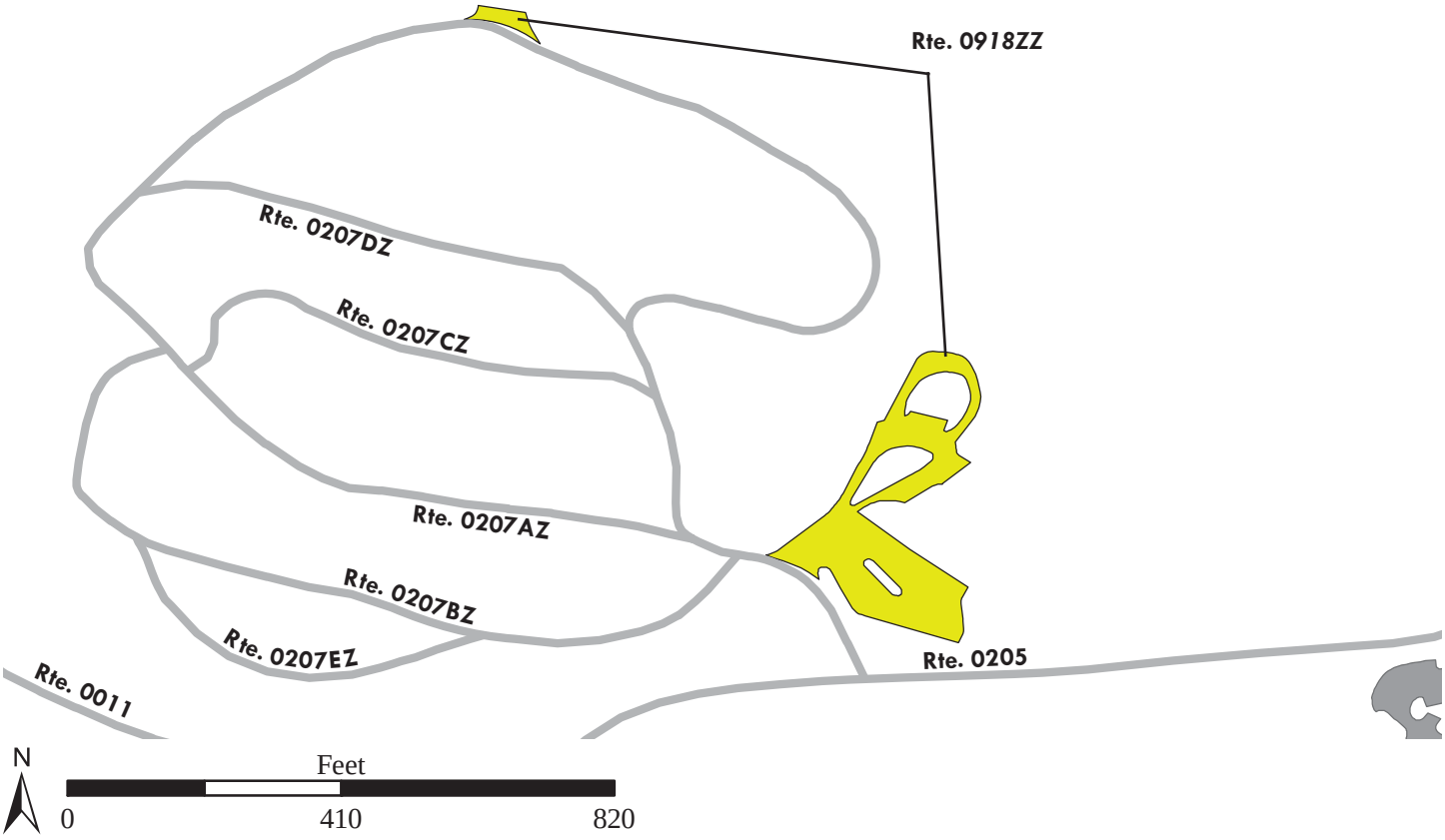
Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73142	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
38,038	0.655	SUMMARY / 71	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.



Kings Canyon National Park

ROUTE 0918AZ: CEDAR GROVE VISITOR CENTER PARKING AREA A

Subcomponent of Route KICA-0918ZZ
Manual Rating

FROM ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A) ON RIGHT

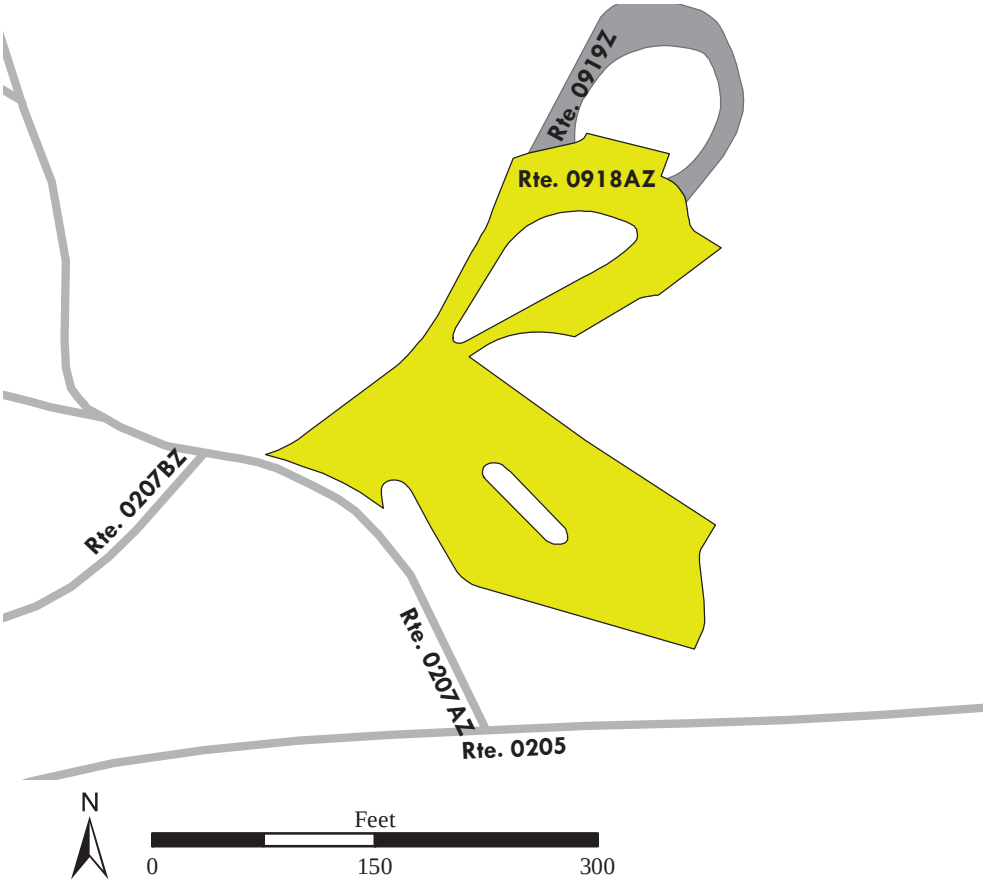
TO ROUTE 0919Z (WOLVERTON CORRAL FACILITY)

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73142	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
31,902	0.549	3	MODERATE REPAIR
Curb Type		**Curb & Gutter Type**	
ASPHALT		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0918BZ: SENTINEL CAMPGROUND GROUP PARKING

Subcomponent of Route KICA-0918ZZ
Manual Rating

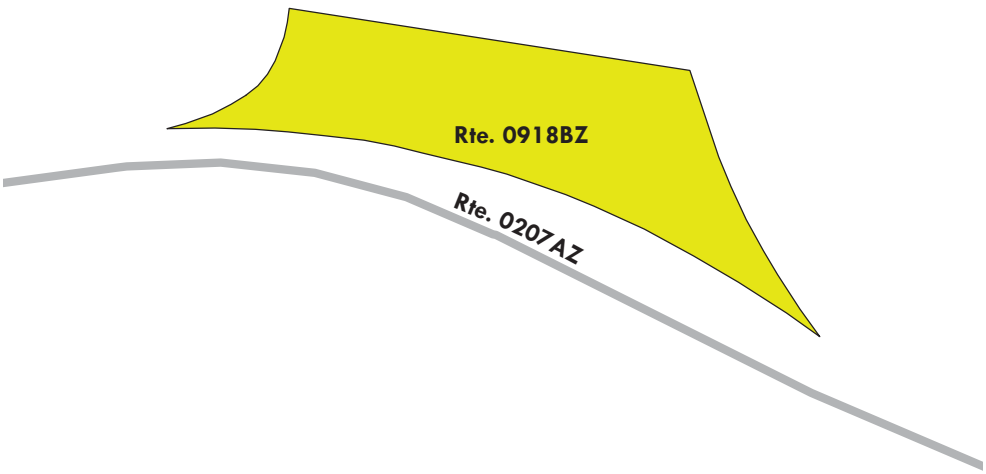
ADJACENT TO ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73142	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,682	0.029	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0919Z: WOLVERTON CORRAL FACILITY

Subcomponent of Route KICA-0918ZZ
Manual Rating

FROM ROUTE 0918AZ (CEDAR GROVE VISITOR CENTER PARKING AREA A)

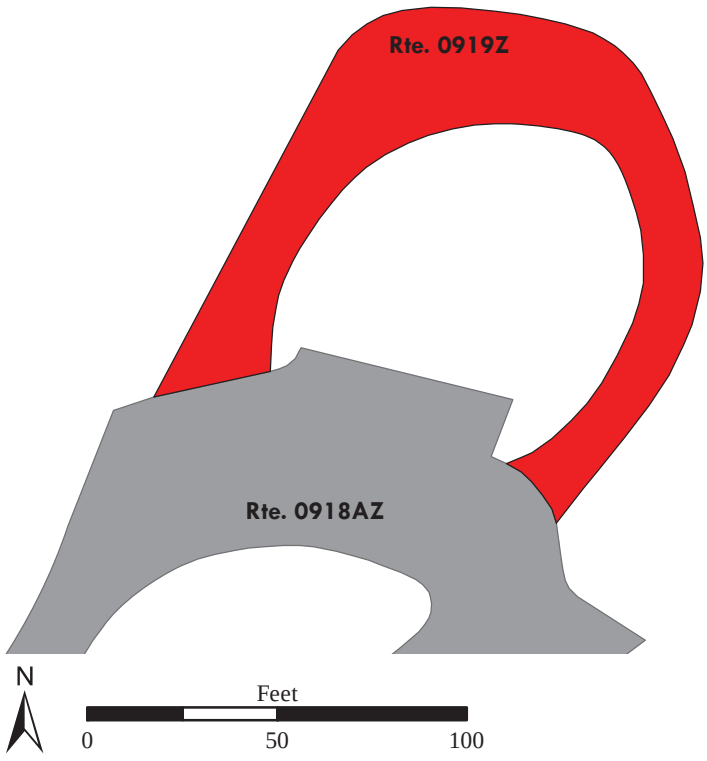
TO ROUTE 0918AZ (CEDAR GROVE VISITOR CENTER PARKING AREA A)

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73142	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
4,454	0.077	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0922: CANYON VIEW PARKING

Manual Rating

FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT

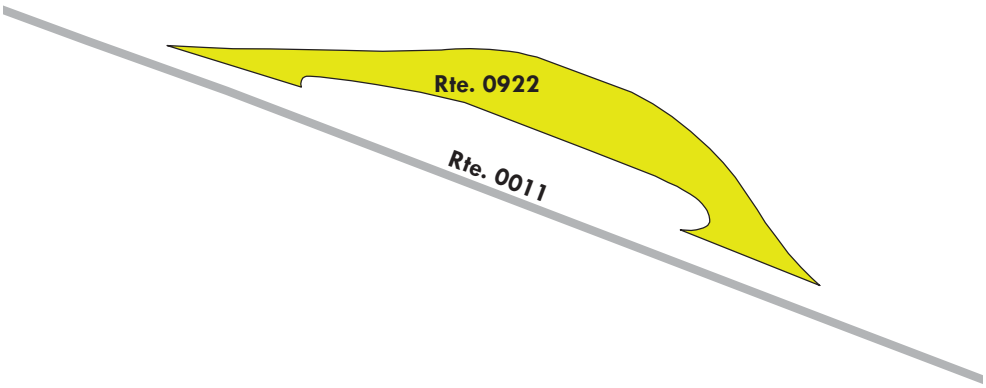
TO ROUTE 0011 (CEDAR GROVE ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73147	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
6,768	0.117	4	REPLACE
Curb Type		**Curb & Gutter Type**	
ASPHALT		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0923: KNAPP'S CABIN PARKING

Manual Rating

FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT

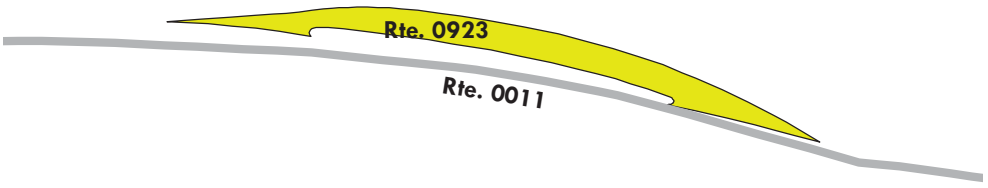
TO ROUTE 0011 (CEDAR GROVE ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73148	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
9,268	0.16	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0924: ROARING RIVER FALLS PARKING

Manual Rating

FROM ROUTE 0011 (CEDAR GROVE ROAD) ON RIGHT

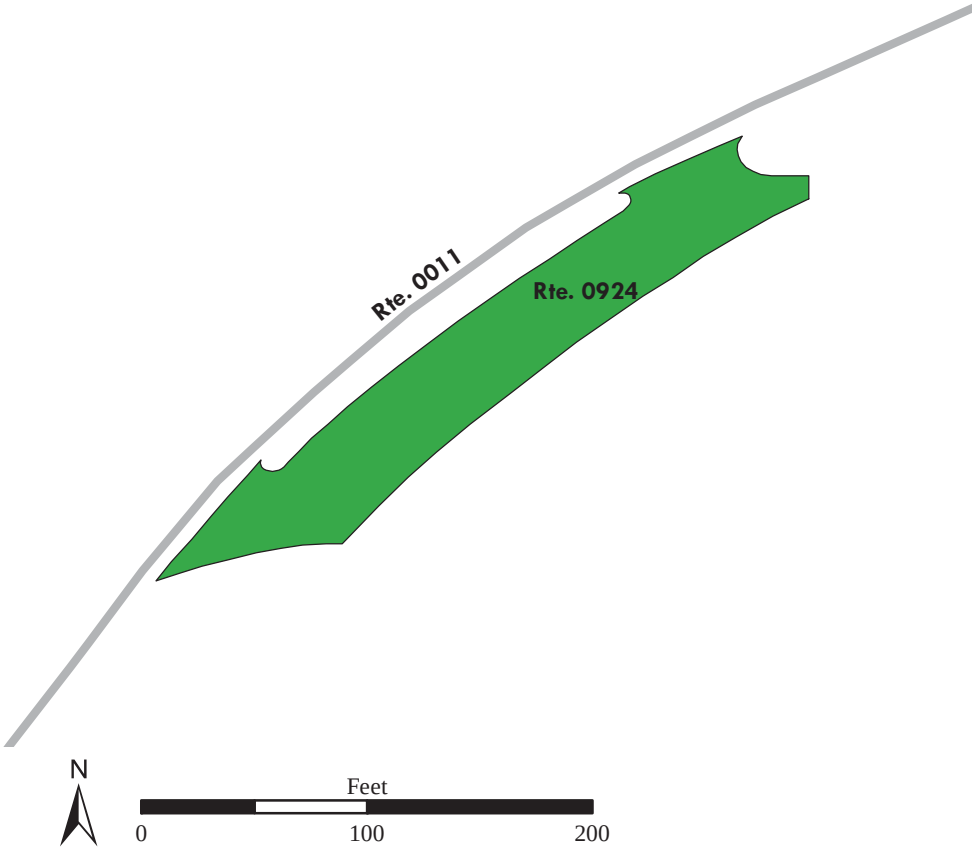
TO ROUTE 0011 (CEDAR GROVE ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73150	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
9,437	0.162	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0927: ZUMWALT MEADOW PARKING

Manual Rating

FROM ROUTE 0011 (CEDAR GROVE ROAD) ON RIGHT

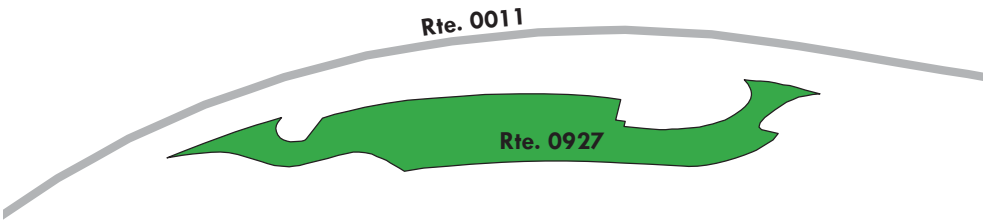
TO ROUTE 0011 (CEDAR GROVE ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73604	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
13,033	0.224	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0928ZZ: ROAD'S END PARKING LOTS

Summary Route
Manual Rating

FROM ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT AND RIGHT

TO PARKING

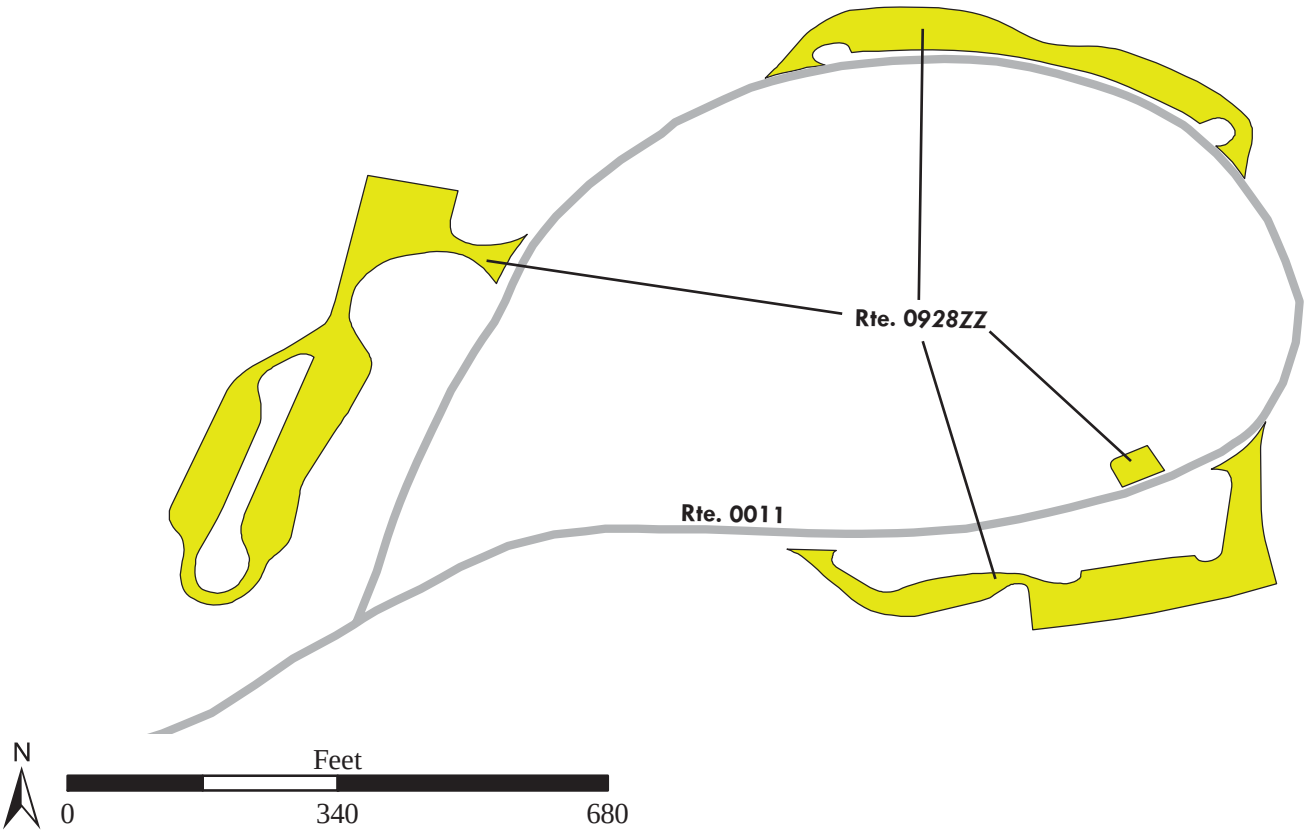
Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73606	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
89,073	1.533	SUMMARY / 67	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.



Kings Canyon National Park

ROUTE 0928Z: ROAD'S END INFORMATION PARKING

Subcomponent of Route KICA-0928ZZ
Manual Rating

FROM ROUTE 0011 (CEDAR GROVE ROAD) ON RIGHT

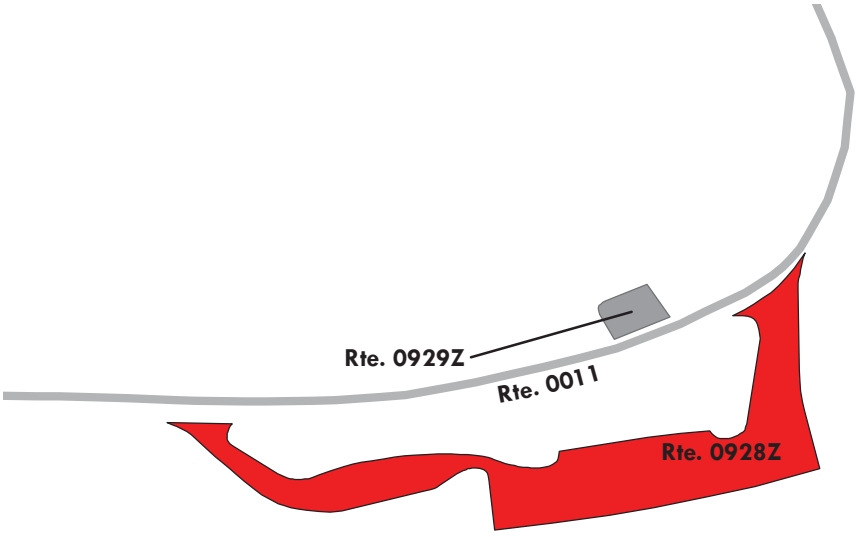
TO ROUTE 0011 (CEDAR GROVE ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73606	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
26,318	0.453	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0929Z: ROAD'S END RESTROOM PARKING

Subcomponent of Route KICA-0928ZZ
Manual Rating

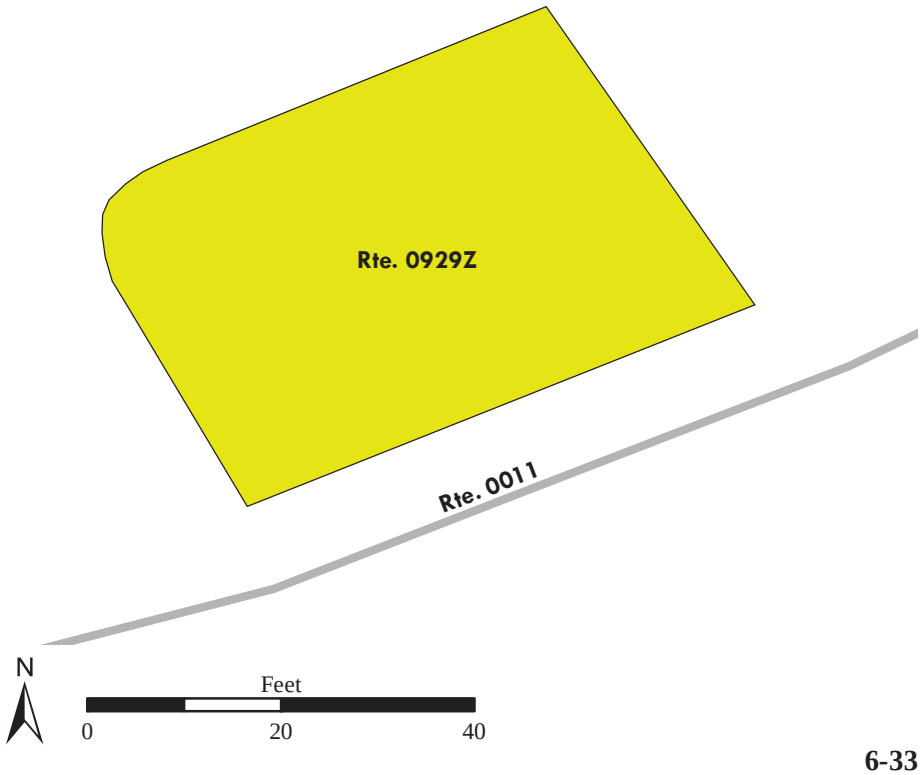
ADJACENT TO ROUTE 0011 (CEDAR GROVE ROAD) ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73606	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,591	0.027	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0930Z: COPPER CREEK TRAIL PARKING

Subcomponent of Route KICA-0928ZZ
Manual Rating

FROM ROUTE 0011 (CEDAR GROVE ROAD) ON RIGHT

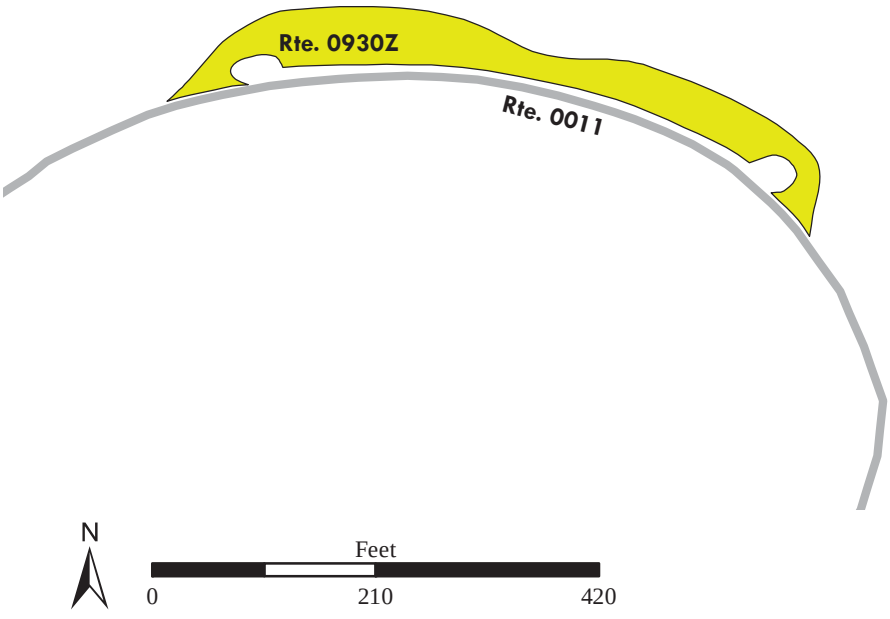
TO ROUTE 0011 (CEDAR GROVE ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73606	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
20,521	0.353	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0931Z: ROAD'S END LONG TERM PARKING

Subcomponent of Route KICA-0928ZZ
Manual Rating

FROM ROUTE 0011 (CEDAR GROVE ROAD) ON RIGHT

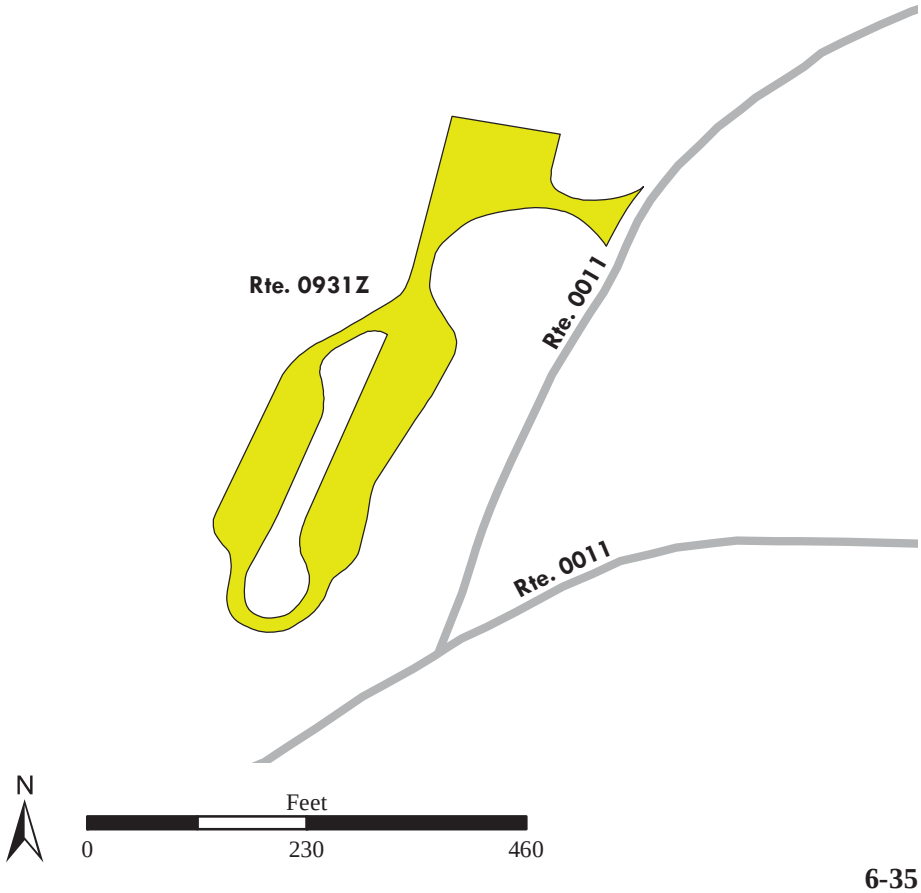
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
9/24/2014	73606	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
40,643	0.7	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0932: PANORAMIC POINT PARKING

Manual Rating

FROM END OF ROUTE 0101 (PANORAMIC ROAD)

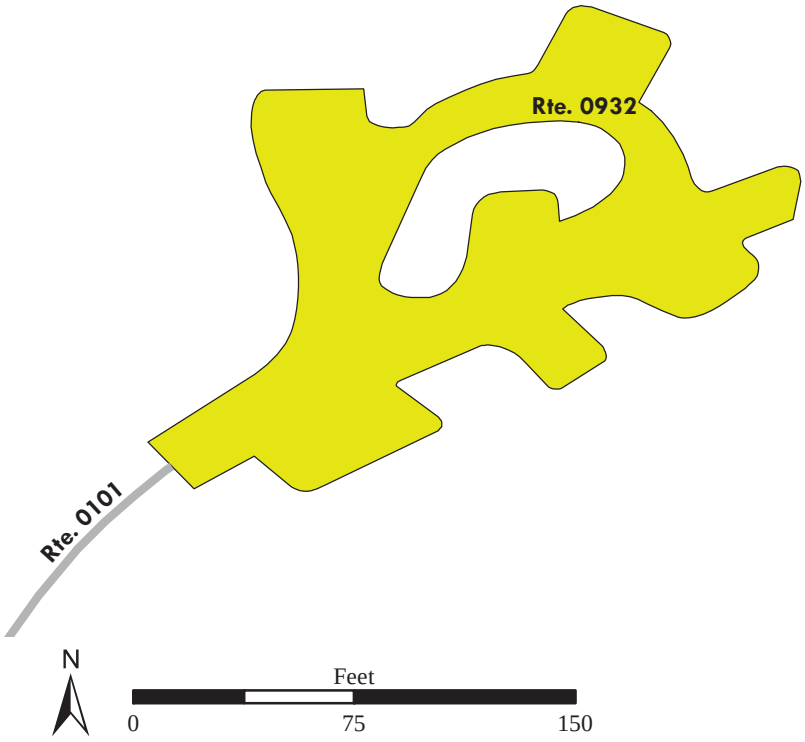
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73613	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
11,577	0.199	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0934: REDWOOD CANYON OVERLOOK PARKING

Manual Rating

FROM ROUTE 0010 (GENERALS HIGHWAY HISTORIC) ON LEFT

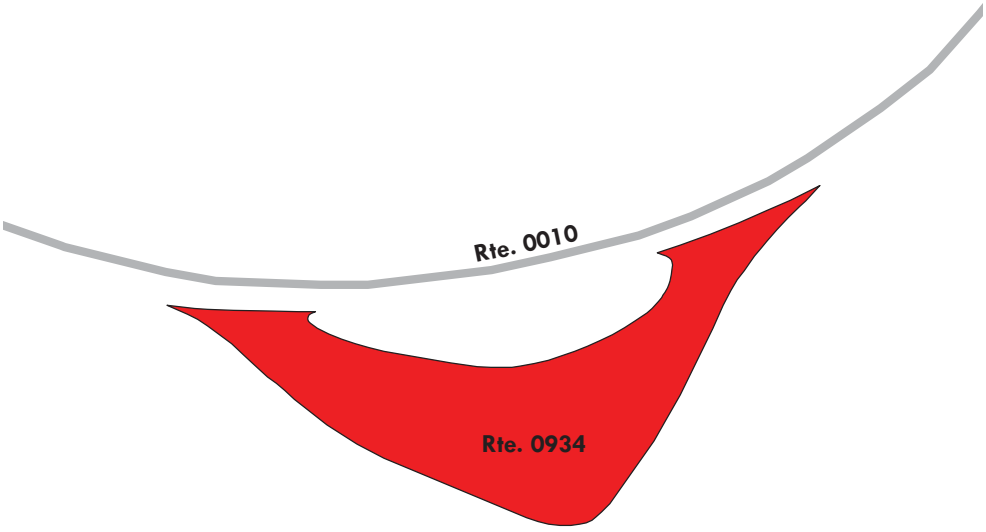
TO ROUTE 0010 (GENERALS HIGHWAY HISTORIC)

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	73614	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
9,895	0.17	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0936ZZ: SWALE WORK CENTER PARKING AREAS

Summary Route
Manual Rating

FROM ROUTE 0414ZZ (SWALE WORK CENTER ROADS) ON LEFT AND RIGHT

TO PARKING

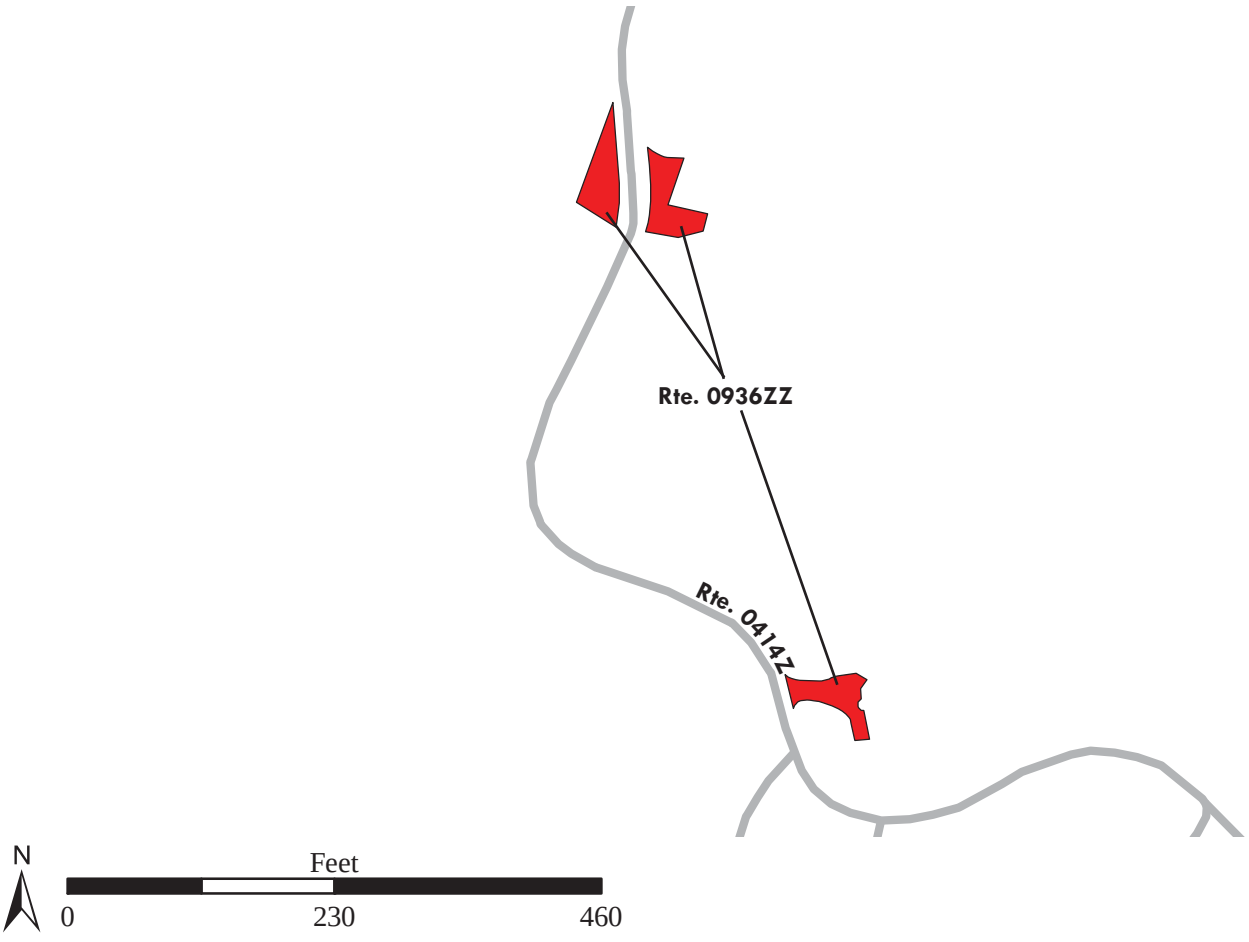
Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	N/A	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
4,784	0.082	SUMMARY / 43	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.



Kings Canyon National Park

ROUTE 0936AZ: SWALE WORK CENTER PARKING A

Subcomponent of Route KICA-0936ZZ
Manual Rating

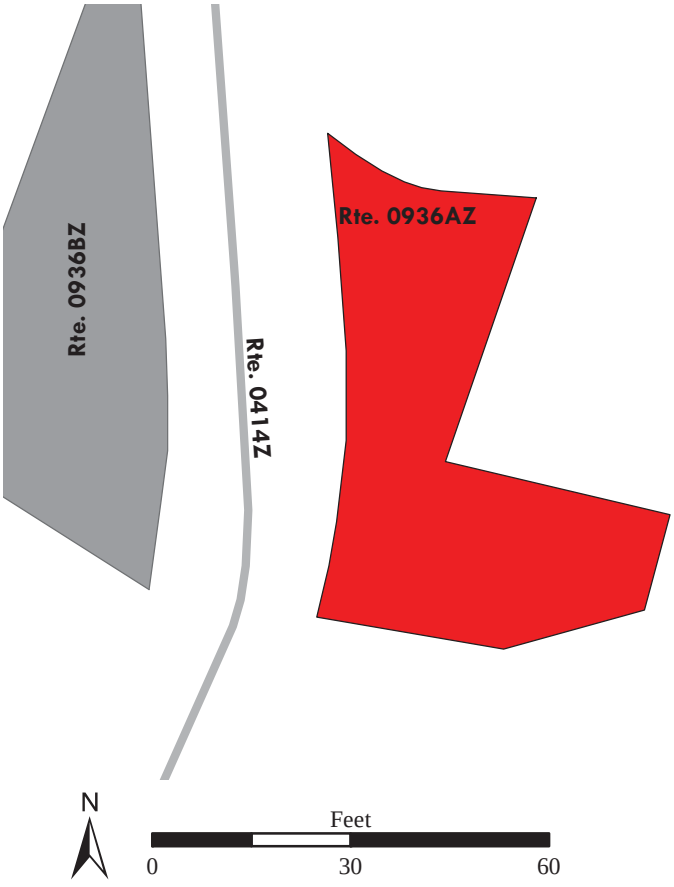
ADJACENT TO ROUTE 0414Z (SWALE ROAD) ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	N/A	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,695	0.029	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0936BZ: SWALE WORK CENTER PARKING B

Subcomponent of Route KICA-0936ZZ
Manual Rating

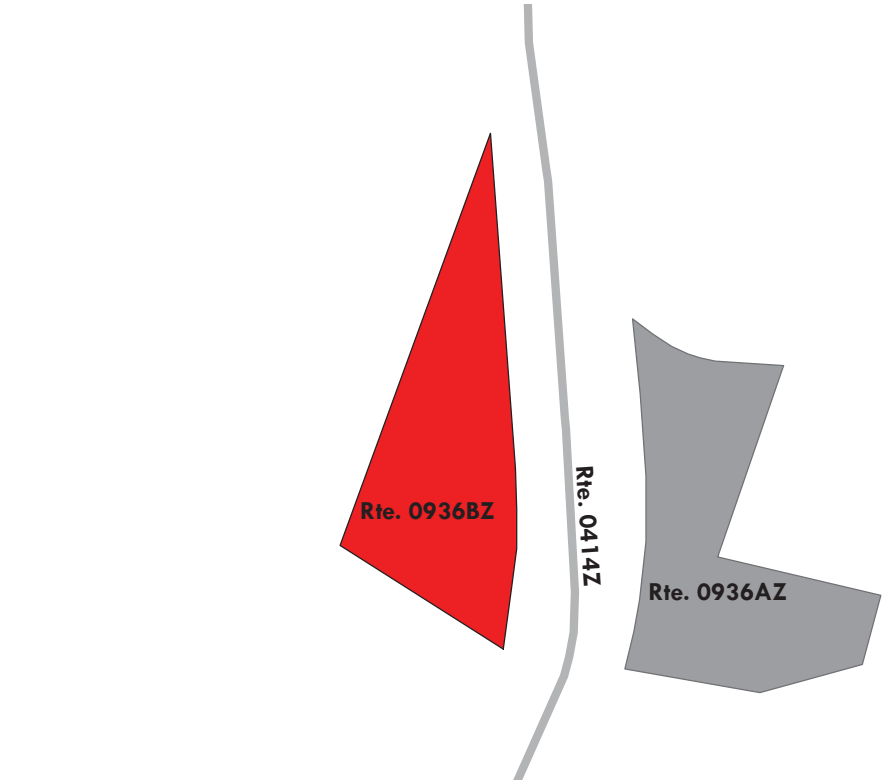
ADJACENT TO ROUTE 0414Z (SWALE ROAD) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	N/A	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,623	0.028	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Kings Canyon National Park

ROUTE 0937Z: ARROWHEAD INTERAGENCY HOTSHOT CREW PARKING

Subcomponent of Route KICA-0936ZZ
Manual Rating

FROM ROUTE 0414Z (SWALE ROAD)

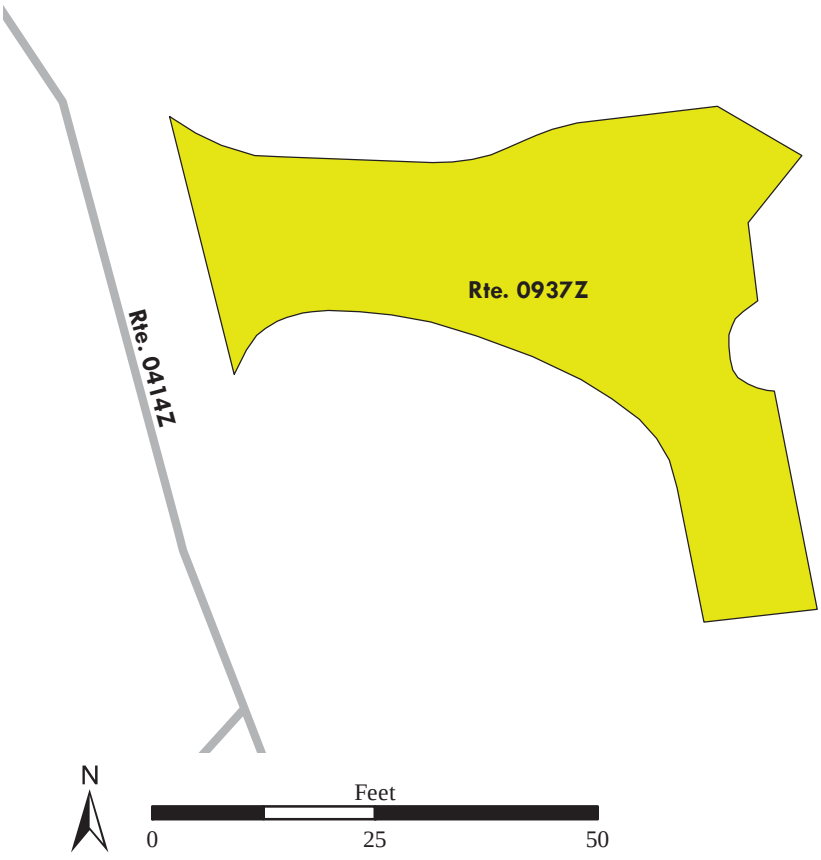
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
9/25/2014	N/A	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,466	0.025	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Section 7
Road Milepost Information

Kings Canyon National Park

Federal Lands Highway
Road Inventory Program

Road Milepost Information

This report section contains road milepost information for all paved roads in the park that were collected with the Data Collection Vehicle (DCV). The milepost data is obtained from the DCV by using a distance measuring instrument (DMI) that is calibrated to record mileage to the nearest thousandth of a mile. Park roads that were manually rated did not have milepost data collected, and thus are not included in this report section.

For Cycle 6, the information presented in this section differs from previous RIP cycles in that it does not contain the roadside features inventories for the paved park roads. Some examples of the features previously collected are signs, culverts/drop inlets, guardrails, curbing, pullouts, etc. If the park was collected in a previous RIP cycle, then the latest features data can be obtained by referencing the following:

Where to find the latest Features Inventories for NPS Parks:

- For Small Parks (parks with less than 10 miles of paved roads):
    - Refer to Cycle 5 data (collected 2010 - 2014)
        - Features were reported in Section 9 of the ***Cycle 5*** RIP report
        - Video of features can be viewed using the ***PathViewVO*** program and ***Cycle 5*** data

- For Large Parks (parks with more than 10 miles of paved roads):
    - Refer to Cycle 4 data (collected 2006 - 2009)
        - Features were reported in Section 9 of the ***Cycle 4*** RIP report
        - Video of features can be viewed using the ***VisiData*** program and ***Cycle 4*** data
    - Note: Features inventories were updated in Large Parks in ***Cycle 5*** only on a route by route basis if the route was new or modified in ***Cycle 5***. If this is the case for a particular route, then features for the route can be obtained using the ***PathViewVO*** program and ***Cycle 5*** data (same as above for Small parks).

Milepost Events Verified in Cycle 6

In Cycle 6, the following events were collected and reported in Section 7 of this report:

- Intersections with roads and parking areas
- All bridges and culverts with BIP Numbers (bridge inspection program numbers)
- Mile Marker Signs
- One-Way travel directions
- Overpasses
- Tunnels
- Low Water Crossings (LWCR)
- Surface type changes
- Construction areas where no pavement condition data was obtained

GPS Mileage Matching

A consistent survey milepost and constant route length as recorded by the Data Collection Vehicle (DCV) is a challenge to maintain from one collection cycle to the next. The challenge is due to many factors such as driver characteristics, DMI calibration, tire pressure etc. After Cycle 4 (~2010), a decision was made to hold constant the length of roads so long as there was no physical change from reconstruction projects or realignments that would result in a change to the length of a road. Consequently, the "GPS Mileage Match" was implemented to specify which cycle the route length is being matched. Route mileages and GPS are matched to a previous collection whenever there is no physical change to a route alignment. The route mileage and GPS is not matched to previous cycles whenever it is determined that a road length and GPS needs to be updated. When this happens the GPS and length is updated to the cycle that displays the change, and that collection cycle is used as the matching cycle in subsequent collections of the road. Thus, the Cycle 6 GIS could be either the survey length collected in Cycle 4, Cycle 5, or Cycle 6 and therefore, may not match the survey milepost displayed in the latest Cycle 6 DCV video which is viewable in ***PathView VO***.

The features inventories and road logs collected on NPS routes contain mileposts that are determined from the corresponding cycle that the GPS is matched to. Therefore, the mileposts contained in the Cycle 4 or 5 features inventories or the Cycle 6 road logs may not exactly match the survey milepost collected in the latest Cycle 6 video of the road.

Locating Mile Marker Signs

For routes that have mile marker signs along them, the milepost reported by RIP will most likely not line up exactly with the sign located in the field. This could be happening for many reasons, most likely due to either the error falling within the acceptable calibration range of the vehicle, or the level of accuracy that the mile marker signs were placed in the field.

Because mile marker signs are important features in many project plans and location descriptions, RIP is reporting locations of mile marker signs in three ways in Cycle 6:

1. Mileposts from Cycle 6 GIS: the official RIP milepost taken from the features inventories and the matching GPS/mileage cycle as described above. This is the milepost that should be used on project plans and when finding locations in the field

2. Mileposts from Cycle 6 Video: milepost shown to help locate the mile marker sign in the latest ***PathView VO*** video.

3. Latitude / Longitude: a constant way of locating a mile marker sign so long as the park has not moved the sign

The mileposts from Cycle 6 Video and GIS should be nearly the same, but on longer roads it has been observed that the Video milepost deviates more from the official GIS milepost that comes from the matching cycle.

KICA: Route Milepost Log

ROUTE 0010: GENERALS HIGHWAY HISTORIC

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
32.88	32.88	INTERSECTION	N/A	SEQU ROUTE 0010 (GENERALS HIGHWAY HISTORIC)
32.88	32.88	PARK BOUNDARY	N/A	SOUTH PARK BOUNDARY
32.90	32.90	INTERSECTION	L	UNPAVED ROUTE (STONE CHIMNEY)
33.98	33.98	INTERSECTION	L	PAVED ROUTE (SEQUOIA NATIONAL FOREST STONY CREEK CAMPGROUND)
33.99	33.99	INTERSECTION	R	UNPAVED ROUTE (STONY CREEK)
34.32	34.32	INTERSECTION	R	PAVED ROUTE (SEQUOIA NATIONAL FOREST COVE GROUP CAMPGROUND)
34.45	34.45	INTERSECTION	L	PAVED ROUTE (SEQUOIA NATIONAL FOREST RESORT STONY CREEK)
34.45	34.45	INTERSECTION	R	PAVED ROUTE (SEQUOIA NATIONAL FOREST FIR GROUP CAMPGROUND)
35.32	35.32	INTERSECTION	R	UNPAVED ROUTE
36.15	36.15	INTERSECTION	L	UNPAVED ROUTE (SEQUOIA NATIONAL FOREST ORGANIZATION CAMP/PYTHIA YOUTH CAMP)
37.02	37.02	INTERSECTION	L	PAVED ROUTE (SEQUOIA NATIONAL FOREST ORGANIZATION SAN JOAQUIN FAR HORIZONS)
38.20	38.20	INTERSECTION	L	PAVED ROUTE (SEQUOIA NATIONAL FOREST MONTECITO - SEQUOIA RESORT)
38.96	38.96	INTERSECTION	R	PAVED ROUTE (NF-14S32)
39.14	39.14	INTERSECTION	R	PAVED ROUTE (BIG MEADOWS HORSE CORRAL)
39.21	39.21	INTERSECTION	L	PAVED PARKING (BIG BALDY TRAIL HEAD PARKING)
41.30	41.30	INTERSECTION	L	UNPAVED PARKING (BUENA VISTA TRAIL HEAD)
41.32	41.32	INTERSECTION	L	UNPAVED PARKING (BUENA VISTA TRAIL HEAD)
41.38	41.38	INTERSECTION	R	ROUTE 0901 (KINGS CANYON OVERLOOK PARKING)
41.42	41.42	INTERSECTION	R	ROUTE 0901 (KINGS CANYON OVERLOOK PARKING)
41.66	41.66	INTERSECTION	R	UNPAVED ROUTE
42.00	42.00	INTERSECTION	L	PAVED PARKING
42.05	42.05	INTERSECTION	L	PAVED PARKING
42.38	42.38	INTERSECTION	R	PAVED ROUTE (TO HUME LAKE AND QUAIL FLAT (NF-13S09))
42.38	42.38	INTERSECTION	L	UNPAVED ROUTE (NF-14S75)
43.00	43.00	INTERSECTION	L	ROUTE 0934 (REDWOOD CANYON OVERLOOK PARKING)

Data Collected on 5/2015

KICA: Route Milepost Log

ROUTE 0010: GENERALS HIGHWAY HISTORIC

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
43.03	43.03	INTERSECTION	L	ROUTE 0934 (REDWOOD CANYON OVERLOOK PARKING)
43.36	43.36	PARK BOUNDARY	N/A	NORTH PARK BOUNDARY
46.09	46.09	INTERSECTION	R	ROUTE 0015 (GRANT GROVE ROAD)
46.09	46.09	INTERSECTION	L	ROUTE 0015 (GRANT GROVE ROAD)

Data Collected on 5/2015

KICA: Route Milepost Log

ROUTE 0011: CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (STATE HIGHWAY 180 (KINGS CANYON ROAD) / NON NPS)
0.00	0.00	PARK BOUNDARY	N/A	WEST PARK BOUNDARY
0.01	0.01	INTERSECTION	L	ROUTE 0427 (CEDAR GROVE WATER TANK ROAD)
0.21	0.22	BRIDGE	N/A	8580-001 (LEWIS CREEK BRIDGE)
0.23	0.23	INTERSECTION	L	ROUTE 0408 (LEWIS CREEK RESIDENCE ROAD)
0.41	0.41	INTERSECTION	R	UNPAVED PARKING (RESTROOM / TRAILS)
0.70	0.70	INTERSECTION	L	ROUTE 0205 (NORTH SIDE ROAD)
0.71	0.74	BRIDGE	N/A	8580-004 (LOWER SOUTH FORK KINGS RIVER)
0.79	0.79	INTERSECTION	L	PAVED SPUR
0.84	0.84	INTERSECTION	L	PAVED SPUR
0.97	0.97	INTERSECTION	L	PAVED PULLOUT
1.20	1.20	INTERSECTION	L	PAVED TURN AROUND (SHEEP CREEK DUMP STATION PARKING)
1.23	1.23	INTERSECTION	L	PAVED TURN AROUND (SHEEP CREEK DUMP STATION PARKING)
1.25	1.25	INTERSECTION	L	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
1.78	1.78	INTERSECTION	L	ROUTE 0205 (NORTH SIDE ROAD)
2.22	2.22	INTERSECTION	L	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
2.29	2.29	INTERSECTION	R	ROUTE 0403 (HELIPORT SERVICE ROAD)
2.51	2.51	INTERSECTION	L	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
2.77	2.77	INTERSECTION	L	ROUTE 0922 (CANYON VIEW PARKING)
2.81	2.81	INTERSECTION	L	ROUTE 0922 (CANYON VIEW PARKING)
3.24	3.24	INTERSECTION	L	ROUTE 0404 (CANYON VIEW SERVICE ROAD)
3.90	3.90	INTERSECTION	L	ROUTE 0923 (KNAPP'S CABIN PARKING)
3.98	3.98	INTERSECTION	L	ROUTE 0923 (KNAPP'S CABIN PARKING)
4.69	4.71	BRIDGE	N/A	8580-003 (ROARING RIVER BRIDGE)
4.75	4.75	INTERSECTION	R	ROUTE 0924 (ROARING RIVER FALLS PARKING)
4.79	4.79	INTERSECTION	R	ROUTE 0924 (ROARING RIVER FALLS PARKING)
4.97	4.97	INTERSECTION	L	PAVED TURN AROUND (ROUTE 0011 PARKING AT MP 5.02)
5.01	5.01	INTERSECTION	L	PAVED TURN AROUND (ROUTE 0011 PARKING AT MP 5.02)

Data Collected on 5/2015

KICA: Route Milepost Log

ROUTE 0011: CEDAR GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
5.14	5.16	BRIDGE	N/A	8580-005 (UPPER SOUTH FORK KINGS RIVER)
5.18	5.18	INTERSECTION	L	ROUTE 0200 (CEDAR GROVE MOTOR NATURE ROAD)
5.37	5.37	INTERSECTION	R	PAVED PULLOUT
5.41	5.41	INTERSECTION	R	PAVED PULLOUT
5.98	6.01	BRIDGE	N/A	8580-002 (GRANITE CREEK BRIDGE)
6.28	6.28	INTERSECTION	R	ROUTE 0927 (ZUMWALT MEADOW PARKING)
6.35	6.35	INTERSECTION	R	ROUTE 0927 (ZUMWALT MEADOW PARKING)
7.02	7.02	INTERSECTION	L	ROUTE 0011 (CEDAR GROVE ROAD)
7.02	7.02	ONE-WAY START	N/A	N/A
7.03	7.03	INTERSECTION	L	ROUTE 0011 (CEDAR GROVE ROAD) SPUR
7.11	7.11	INTERSECTION	R	ROUTE 0928Z (ROAD'S END INFORMATION PARKING)
7.18	7.18	INTERSECTION	L	ROUTE 0929Z (ROAD'S END RESTROOM PARKING)
7.20	7.20	INTERSECTION	R	ROUTE 0928Z (ROAD'S END INFORMATION PARKING)
7.27	7.27	INTERSECTION	R	ROUTE 0930Z (COPPER CREEK TRAIL PARKING)
7.36	7.36	INTERSECTION	R	ROUTE 0930Z (COPPER CREEK TRAIL PARKING)
7.43	7.43	INTERSECTION	R	ROUTE 0931Z (ROAD'S END LONG TERM PARKING)
7.50	7.50	INTERSECTION	L	ROUTE 0011 (CEDAR GROVE ROAD) SPUR
7.58	7.58	ONE-WAY END	N/A	N/A
7.58	7.58	INTERSECTION	N/A	ROUTE 0011 (CEDAR GROVE ROAD)
7.58	7.58	INTERSECTION	L	ROUTE 0011 (CEDAR GROVE ROAD)

KICA: Route Milepost Log

ROUTE 0015: GRANT GROVE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (STATE HIGHWAY 180 (GENERAL HIGHWAY HISTORIC)) / NON NPS
0.00	0.00	PARK BOUNDARY	N/A	SOUTHWEST PARK BOUNDARY
0.20	0.20	INTERSECTION	R	UNPAVED ROUTE (SERVICE ROAD)
0.20	0.20	INTERSECTION	L	ROUTE 0015 (GRANT GROVE ROAD) OPPOSITE LANE
0.20	0.20	INTERSECTION	L	PAVED PARKING (KINGS CANYON ENTRANCE STATION / EMPLOYEE PARKING) / NON NPS
0.85	0.85	INTERSECTION	L	ROUTE 0900 (BIG STUMP PICNIC PARKING AREA)
1.92	1.92	INTERSECTION	R	ROUTE 0010 (GENERALS HIGHWAY HISTORIC)
2.46	2.46	INTERSECTION	R	UNPAVED ROUTE (WILSONIA DUMP ROAD)
2.53	2.53	INTERSECTION	R	ROUTE 5000 (PARK ROAD / WILSONIA ROAD)
3.10	3.10	INTERSECTION	R	ROUTE 0417AZ (PARK ROAD)
3.16	3.16	INTERSECTION	L	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
3.35	3.35	INTERSECTION	R	ROUTE 0101 (PANORAMIC ROAD)
3.36	3.36	INTERSECTION	R	ROUTE 0904Z (GRANT GROVE PLAZA PARKING)
3.42	3.42	INTERSECTION	R	ROUTE 0904Z (GRANT GROVE PLAZA PARKING)
3.42	3.42	INTERSECTION	R	ROUTE 0904Z (GRANT GROVE PLAZA PARKING)
3.44	3.44	INTERSECTION	R	ROUTE 0904Z (GRANT GROVE PLAZA PARKING)
3.58	3.58	INTERSECTION	L	ROUTE 0212 (GRANT TREE ROAD)
3.58	3.58	INTERSECTION	R	ROUTE 0217 (CRYSTAL SPRINGS ROAD)
3.73	3.73	INTERSECTION	L	ROUTE 0933 (GRANT GROVE CORRAL PARKING)
4.70	4.70	PARK BOUNDARY	N/A	NORTH PARK BOUNDARY
4.70	4.70	INTERSECTION	N/A	PAVED ROUTE (STATE HIGHWAY 180 / NON NPS)

Data Collected on 5/2015

KICA: Route Milepost Log

ROUTE 0101: PANORAMIC ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0015 (GRANT GROVE ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0015 (GRANT GROVE ROAD)
0.02	0.02	INTERSECTION	L	ROUTE 0904Z (GRANT GROVE PLAZA PARKING)
0.05	0.05	INTERSECTION	L	ROUTE 0906BZ (GRANT GROVE VISITOR CENTER PARKING AREA B)
0.06	0.06	INTERSECTION	R	ROUTE 0906AZ (GRANT GROVE VISITOR CENTER PARKING AREA A)
0.08	0.08	INTERSECTION	L	ROUTE 0906CZ (GRANT GROVE VISITOR CENTER PARKING AREA C)
0.09	0.09	INTERSECTION	R	ROUTE 0907Z (MANZANITA TRAIL PARKING)
0.13	0.13	INTERSECTION	L	ROUTE 0908BZ (GRANT GROVE VILLAGE PARKING AREA B)
0.14	0.14	INTERSECTION	R	ROUTE 0908AZ (GRANT GROVE VILLAGE PARKING AREA A)
0.17	0.17	INTERSECTION	R	ROUTE 0418 (WATER TANK ROAD)
0.19	0.19	INTERSECTION	L	ROUTE 0217 (CRYSTAL SPRINGS ROAD) SPUR
0.21	0.21	INTERSECTION	L	ROUTE 0217 (CRYSTAL SPRINGS ROAD)
0.22	0.22	INTERSECTION	L	ROUTE 0909Z (JOHN MUIR LODGE PARKING)
0.45	0.45	INTERSECTION	R	ROUTE 0419 (TRAILER RESIDENCE ROAD)
0.94	0.94	INTERSECTION	L	UNPAVED ROUTE
2.31	2.31	INTERSECTION	N/A	ROUTE 0932 (PANORAMIC POINT PARKING)

Data Collected on 5/2015

KICA: Route Milepost Log

ROUTE 0205: NORTH SIDE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0011 (CEDAR GROVE ROAD)
0.00	0.00	INTERSECTION	N/A	ROUTE 0011 (CEDAR GROVE ROAD)
1.09	1.09	INTERSECTION	L	ROUTE 0400Z (CEDAR LANE)
1.26	1.26	INTERSECTION	L	ROUTE 0402AZ (PICNIC ESTATES HOUSING ROAD A)
1.32	1.32	INTERSECTION	L	ROUTE 0916Z (CEDAR GROVE VILLAGE PARKING)
1.35	1.40	BRIDGE	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE
1.46	1.46	INTERSECTION	R	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
1.56	1.56	INTERSECTION	L	ROUTE 0011 (CEDAR GROVE ROAD)
1.56	1.56	INTERSECTION	R	ROUTE 0011 (CEDAR GROVE ROAD)

KICA: Route Milepost Log

ROUTE 0206AZ: SHEEP CREEK CAMPGROUND ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
0.00	0.00	INTERSECTION	L	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
0.04	0.04	INTERSECTION	R	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)
0.04	0.04	ONE-WAY START	N/A	N/A
0.04	0.04	INTERSECTION	R	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A) SPUR
0.07	0.07	INTERSECTION	L	ROUTE 0206CZ (SHEEP CREEK CAMPGROUND ROAD C)
0.09	0.09	INTERSECTION	R	ROUTE 0206DZ (SHEEP CREEK CAMPGROUND ROAD D)
0.12	0.12	INTERSECTION	L	ROUTE 0206EZ (SHEEP CREEK CAMPGROUND ROAD E)
0.17	0.17	INTERSECTION	L	ROUTE 0206FZ (SHEEP CREEK CAMPGROUND ROAD F)
0.32	0.32	INTERSECTION	R	ROUTE 0206DZ (SHEEP CREEK CAMPGROUND ROAD D)
0.48	0.48	INTERSECTION	R	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A) SPUR
0.49	0.49	INTERSECTION	N/A	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)
0.49	0.49	ONE-WAY END	N/A	N/A
0.49	0.49	INTERSECTION	R	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0206BZ: SHEEP CREEK CAMPGROUND ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0011 (CEDAR GROVE ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0011 (CEDAR GROVE ROAD)
0.02	0.02	INTERSECTION	R	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)
0.04	0.04	INTERSECTION	R	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
0.04	0.04	INTERSECTION	R	ROUTE 0206CZ (SHEEP CREEK CAMPGROUND ROAD C)
0.04	0.04	ONE-WAY START	N/A	N/A
0.15	0.15	INTERSECTION	R	ROUTE 0206GZ (SHEEP CREEK CAMPGROUND ROAD G)
0.38	0.38	INTERSECTION	L	ROUTE 0206FZ (SHEEP CREEK CAMPGROUND ROAD F)
0.41	0.41	INTERSECTION	R	ROUTE 0206GZ (SHEEP CREEK CAMPGROUND ROAD G)
0.46	0.46	INTERSECTION	L	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B) SPUR
0.47	0.47	ONE-WAY END	N/A	N/A
0.47	0.47	INTERSECTION	N/A	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
0.47	0.47	INTERSECTION	L	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)

KICA: Route Milepost Log

ROUTE 0206CZ: SHEEP CREEK CAMPGROUND ROAD C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)
0.07	0.07	INTERSECTION	L	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
0.07	0.07	ONE-WAY END	N/A	N/A
0.07	0.07	INTERSECTION	R	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)

KICA: Route Milepost Log

ROUTE 0206DZ: SHEEP CREEK CAMPGROUND ROAD D

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)
0.08	0.08	INTERSECTION	R	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)
0.08	0.08	ONE-WAY END	N/A	N/A
0.08	0.08	INTERSECTION	L	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0206EZ: SHEEP CREEK CAMPGROUND ROAD E

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	L	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)
0.11	0.11	INTERSECTION	R	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
0.11	0.11	INTERSECTION	L	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
0.11	0.11	ONE-WAY END	N/A	N/A

KICA: Route Milepost Log

ROUTE 0206FZ: SHEEP CREEK CAMPGROUND ROAD F

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0206AZ (SHEEP CREEK CAMPGROUND ROAD A)
0.14	0.14	ONE-WAY END	N/A	N/A
0.14	0.14	INTERSECTION	R	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
0.14	0.14	INTERSECTION	L	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)

KICA: Route Milepost Log

ROUTE 0206GZ: SHEEP CREEK CAMPGROUND ROAD G

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
0.09	0.09	ONE-WAY END	N/A	N/A
0.09	0.09	INTERSECTION	L	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)
0.09	0.09	INTERSECTION	R	ROUTE 0206BZ (SHEEP CREEK CAMPGROUND ROAD B)

KICA: Route Milepost Log

ROUTE 0207AZ: SENTINEL CAMPGROUND ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0205 (NORTH SIDE ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0205 (NORTH SIDE ROAD)
0.03	0.03	INTERSECTION	R	ROUTE 0918AZ (CEDAR GROVE VISITOR CENTER PARKING AREA A)
0.05	0.05	INTERSECTION	L	ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)
0.06	0.06	ONE-WAY START	N/A	N/A
0.06	0.06	INTERSECTION	L	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.10	0.10	INTERSECTION	L	ROUTE 0207CZ (SENTINEL CAMPGROUND ROAD C)
0.13	0.13	INTERSECTION	L	ROUTE 0207DZ (SENTINEL CAMPGROUND ROAD D)
0.31	0.31	INTERSECTION	R	ROUTE 0918BZ (SENTINEL CAMPGROUND GROUP PARKING)
0.41	0.41	INTERSECTION	L	ROUTE 0207DZ (SENTINEL CAMPGROUND ROAD D)
0.47	0.47	INTERSECTION	R	ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)
0.47	0.47	INTERSECTION	L	ROUTE 0207CZ (SENTINEL CAMPGROUND ROAD C)
0.60	0.60	ONE-WAY END	N/A	N/A
0.60	0.60	INTERSECTION	L	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.60	0.60	INTERSECTION	N/A	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)

ROUTE 0207BZ: SENTINEL CAMPGROUND ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	R	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.07	0.07	INTERSECTION	L	ROUTE 0207EZ (SENTINEL CAMPGROUND ROAD E)
0.22	0.22	INTERSECTION	R	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.22	0.22	INTERSECTION	L	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0207CZ: SENTINEL CAMPGROUND ROAD C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	L	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.12	0.12	INTERSECTION	R	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.12	0.12	INTERSECTION	L	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0207DZ: SENTINEL CAMPGROUND ROAD D

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	R	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.12	0.12	INTERSECTION	R	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)
0.12	0.12	INTERSECTION	L	ROUTE 0207AZ (SENTINEL CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0207EZ: SENTINEL CAMPGROUND ROAD E

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)
0.00	0.00	INTERSECTION	R	ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)
0.10	0.10	INTERSECTION	R	ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)
0.10	0.10	INTERSECTION	L	ROUTE 0207BZ (SENTINEL CAMPGROUND ROAD B)

KICA: Route Milepost Log

ROUTE 0208AZ: CANYON VIEW CAMPGROUND ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0011 (CEDAR GROVE ROAD)
0.00	0.00	INTERSECTION	L	ROUTE 0011 (CEDAR GROVE ROAD)
0.01	0.01	INTERSECTION	L	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.01	0.01	ONE-WAY START	N/A	N/A
0.02	0.02	INTERSECTION	L	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A) SPUR
0.15	0.15	INTERSECTION	R	ROUTE 0208BZ (CANYON VIEW CAMPGROUND ROAD B)
0.28	0.28	INTERSECTION	R	ROUTE 0208CZ (CANYON VIEW CAMPGROUND ROAD C)
0.30	0.30	INTERSECTION	L	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A) SPUR
0.30	0.30	INTERSECTION	R	ROUTE 0208CZ (CANYON VIEW CAMPGROUND ROAD C)
0.30	0.30	ONE-WAY END	N/A	N/A
0.31	0.31	INTERSECTION	N/A	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.31	0.31	INTERSECTION	L	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0208BZ: CANYON VIEW CAMPGROUND ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	N/A	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.00	0.00	ONE-WAY START	N/A	N/A
0.18	0.18	ONE-WAY END	N/A	N/A
0.18	0.18	INTERSECTION	R	ROUTE 0208CZ (CANYON VIEW CAMPGROUND ROAD C)
0.18	0.18	INTERSECTION	L	ROUTE 0208CZ (CANYON VIEW CAMPGROUND ROAD C)

KICA: Route Milepost Log

ROUTE 0208CZ: CANYON VIEW CAMPGROUND ROAD C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	R	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.00	0.00	ONE-WAY START	N/A	N/A
0.32	0.32	INTERSECTION	L	ROUTE 0208BZ (CANYON VIEW CAMPGROUND ROAD B)
0.34	0.34	INTERSECTION	R	UNPAVED PARKING (RESTROOM)
0.35	0.35	INTERSECTION	R	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.35	0.35	INTERSECTION	L	ROUTE 0208AZ (CANYON VIEW CAMPGROUND ROAD A)
0.35	0.35	ONE-WAY END	N/A	N/A

Data Collected on 5/2015

KICA: Route Milepost Log

ROUTE 0209AZ: MORAINE CAMPGROUND ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0011 (CEDAR GROVE ROAD)
0.00	0.00	INTERSECTION	L	ROUTE 0011 (CEDAR GROVE ROAD)
0.01	0.01	ONE-WAY START	N/A	N/A
0.01	0.01	INTERSECTION	L	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.15	0.15	INTERSECTION	L	ROUTE 0209BZ (MORAINE CAMPGROUND ROAD B)
0.40	0.40	INTERSECTION	L	ROUTE 0209BZ (MORAINE CAMPGROUND ROAD B)
0.53	0.53	INTERSECTION	L	ROUTE 0209DZ (MORAINE CAMPGROUND ROAD D)
0.53	0.53	INTERSECTION	L	ROUTE 0209FZ (MORAINE CAMPGROUND ROAD F)
0.57	0.57	INTERSECTION	L	ROUTE 0209CZ (MORAINE CAMPGROUND ROAD C)
0.57	0.57	INTERSECTION	R	ROUTE 0209EZ (MORAINE CAMPGROUND ROAD E)
0.59	0.59	INTERSECTION	R	ROUTE 0209DZ (MORAINE CAMPGROUND ROAD D)
0.61	0.61	INTERSECTION	N/A	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.61	0.61	ONE-WAY END	N/A	N/A
0.61	0.61	INTERSECTION	L	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0209BZ: MORAINE CAMPGROUND ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	L	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.03	0.03	INTERSECTION	L	ROUTE 0209CZ (MORAINE CAMPGROUND ROAD C)
0.10	0.10	INTERSECTION	L	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.10	0.10	INTERSECTION	R	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.10	0.10	ONE-WAY END	N/A	N/A

KICA: Route Milepost Log

ROUTE 0209CZ: MORAINE CAMPGROUND ROAD C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0209BZ (MORAINE CAMPGROUND ROAD B)
0.00	0.00	INTERSECTION	R	ROUTE 0209BZ (MORAINE CAMPGROUND ROAD B)
0.00	0.00	ONE-WAY START	N/A	N/A
0.16	0.16	ONE-WAY END	N/A	N/A
0.16	0.16	INTERSECTION	R	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.16	0.16	INTERSECTION	L	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0209DZ: MORAINE CAMPGROUND ROAD D

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	L	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.12	0.12	INTERSECTION	R	ROUTE 0209EZ (MORAINE CAMPGROUND ROAD E)
0.18	0.18	INTERSECTION	R	ROUTE 0209FZ (MORAINE CAMPGROUND ROAD F)
0.37	0.37	INTERSECTION	L	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.37	0.37	ONE-WAY END	N/A	N/A
0.37	0.37	INTERSECTION	R	ROUTE 0209FZ (MORAINE CAMPGROUND ROAD F)
0.37	0.37	INTERSECTION	N/A	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0209EZ: MORAINE CAMPGROUND ROAD E

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0209DZ (MORAINE CAMPGROUND ROAD D)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0209DZ (MORAINE CAMPGROUND ROAD D)
0.12	0.12	ONE-WAY END	N/A	N/A
0.12	0.12	INTERSECTION	L	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.12	0.12	INTERSECTION	R	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0209FZ: MORAINE CAMPGROUND ROAD F

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0209DZ (MORAINE CAMPGROUND ROAD D)
0.00	0.00	INTERSECTION	L	ROUTE 0209DZ (MORAINE CAMPGROUND ROAD D)
0.13	0.13	INTERSECTION	N/A	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.13	0.13	INTERSECTION	L	ROUTE 0209DZ (MORAINE CAMPGROUND ROAD D)
0.13	0.13	INTERSECTION	R	ROUTE 0209AZ (MORAINE CAMPGROUND ROAD A)
0.13	0.13	ONE-WAY END	N/A	N/A

KICA: Route Milepost Log

ROUTE 0212: GRANT TREE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0015 (GRANT GROVE ROAD)
0.00	0.00	INTERSECTION	N/A	ROUTE 0217 (CRYSTAL SPRINGS ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0015 (GRANT GROVE ROAD)
0.03	0.03	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.25	0.25	INTERSECTION	L	ROUTE 0911 (COLUMBINE PICNIC PARKING AREA)
0.76	0.76	INTERSECTION	L	ROUTE 0414Z (SWALE ROAD)
0.77	0.77	INTERSECTION	N/A	ROUTE 0912 (GRANT TREE PARKING)

KICA: Route Milepost Log

ROUTE 0216AZ: AZALEA CAMPGROUND ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0212 (GRANT TREE ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0212 (GRANT TREE ROAD)
0.10	0.10	INTERSECTION	R	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.13	0.13	INTERSECTION	L	ROUTE 0216DZ (AZALEA CAMPGROUND ROAD D)
0.20	0.20	INTERSECTION	R	ROUTE 0216HZ (AZALEA CAMPGROUND ROAD H)
0.25	0.25	INTERSECTION	R	ROUTE 0216HZ (AZALEA CAMPGROUND ROAD H)
0.25	0.25	INTERSECTION	L	ROUTE 0216DZ (AZALEA CAMPGROUND ROAD D)
0.29	0.29	INTERSECTION	L	ROUTE 0216EZ (AZALEA CAMPGROUND ROAD E)
0.34	0.34	INTERSECTION	L	ROUTE 0216EZ (AZALEA CAMPGROUND ROAD E)
0.37	0.37	INTERSECTION	L	ROUTE 0216FZ (AZALEA CAMPGROUND ROAD F)
0.42	0.42	INTERSECTION	L	ROUTE 0216FZ (AZALEA CAMPGROUND ROAD F)
0.44	0.44	INTERSECTION	R	ROUTE 0216GZ (AZALEA CAMPGROUND ROAD G)
0.46	0.46	INTERSECTION	R	ROUTE 0216GZ (AZALEA CAMPGROUND ROAD G)
0.51	0.51	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.51	0.51	ONE-WAY START	N/A	N/A
0.77	0.77	ONE-WAY END	N/A	N/A
0.77	0.77	INTERSECTION	R	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.77	0.77	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0216BZ: AZALEA CAMPGROUND ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	R	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.02	0.02	ONE-WAY START	N/A	N/A
0.02	0.02	INTERSECTION	L	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.15	0.15	INTERSECTION	L	ROUTE 0216CZ (AZALEA CAMPGROUND ROAD C)
0.25	0.25	INTERSECTION	L	ROUTE 0216CZ (AZALEA CAMPGROUND ROAD C)
0.34	0.34	ONE-WAY END	N/A	N/A
0.34	0.34	INTERSECTION	N/A	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.34	0.34	INTERSECTION	R	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)

KICA: Route Milepost Log

ROUTE 0216CZ: AZALEA CAMPGROUND ROAD C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.00	0.00	INTERSECTION	R	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.03	0.03	ONE-WAY END	N/A	N/A
0.03	0.03	INTERSECTION	L	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)
0.03	0.03	INTERSECTION	R	ROUTE 0216BZ (AZALEA CAMPGROUND ROAD B)

KICA: Route Milepost Log

ROUTE 0216DZ: AZALEA CAMPGROUND ROAD D

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.26	0.26	ONE-WAY END	N/A	N/A
0.26	0.26	INTERSECTION	R	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.26	0.26	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)

ROUTE 0216EZ: AZALEA CAMPGROUND ROAD E

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	R	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.20	0.20	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.20	0.20	INTERSECTION	R	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0216FZ: AZALEA CAMPGROUND ROAD F

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	R	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.05	0.05	INTERSECTION	R	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.05	0.05	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0216GZ: AZALEA CAMPGROUND ROAD G

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.05	0.05	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.05	0.05	INTERSECTION	R	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)

ROUTE 0216HZ: AZALEA CAMPGROUND ROAD H

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.05	0.05	INTERSECTION	L	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)
0.05	0.05	INTERSECTION	R	ROUTE 0216AZ (AZALEA CAMPGROUND ROAD A)

ROUTE 0217: CRYSTAL SPRINGS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0015 (GRANT GROVE ROAD)
0.00	0.00	INTERSECTION	N/A	ROUTE 0212 (GRANT TREE ROAD)
0.00	0.00	INTERSECTION	L	ROUTE 0015 (GRANT GROVE ROAD)
0.06	0.06	INTERSECTION	L	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.25	0.25	INTERSECTION	L	ROUTE 0910Z (MEADOW CAMP CABINS ROAD)
0.27	0.27	INTERSECTION	R	PAVED SPUR
0.28	0.28	INTERSECTION	R	ROUTE 0101 (PANORAMIC ROAD)
0.28	0.28	INTERSECTION	L	ROUTE 0101 (PANORAMIC ROAD)

KICA: Route Milepost Log

ROUTE 0218AZ: CRYSTAL SPRINGS CAMPGROUND ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0217 (CRYSTAL SPRINGS ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0217 (CRYSTAL SPRINGS ROAD)
0.06	0.06	INTERSECTION	R	ROUTE 0218BZ (CRYSTAL SPRINGS CAMPGROUND ROAD B)
0.17	0.17	INTERSECTION	L	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.17	0.17	ONE-WAY START	N/A	N/A
0.18	0.18	INTERSECTION	L	ROUTE 0218DZ (CRYSTAL SPRINGS CAMPGROUND ROAD D)
0.23	0.23	INTERSECTION	L	ROUTE 0218DZ (CRYSTAL SPRINGS CAMPGROUND ROAD D)
0.43	0.43	INTERSECTION	R	ROUTE 0218CZ (CRYSTAL SPRINGS CAMPGROUND ROAD C)
0.46	0.46	INTERSECTION	R	ROUTE 0218CZ (CRYSTAL SPRINGS CAMPGROUND ROAD C)
0.47	0.47	INTERSECTION	L	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.47	0.47	INTERSECTION	R	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.47	0.47	ONE-WAY END	N/A	N/A

KICA: Route Milepost Log

ROUTE 0218BZ: CRYSTAL SPRINGS CAMPGROUND ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	R	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.01	0.01	INTERSECTION	L	ROUTE 0218BZ (CRYSTAL SPRINGS CAMPGROUND ROAD B)
0.01	0.01	ONE-WAY START	N/A	N/A
0.16	0.16	INTERSECTION	R	ROUTE 0218EZ (CRYSTAL SPRINGS CAMPGROUND ROAD E)
0.22	0.22	INTERSECTION	R	ROUTE 0218BZ (CRYSTAL SPRINGS CAMPGROUND ROAD B)
0.22	0.22	ONE-WAY END	N/A	N/A
0.22	0.22	INTERSECTION	L	ROUTE 0218BZ (CRYSTAL SPRINGS CAMPGROUND ROAD B)

KICA: Route Milepost Log

ROUTE 0218CZ: CRYSTAL SPRINGS CAMPGROUND ROAD C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	L	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.21	0.21	INTERSECTION	N/A	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.21	0.21	ONE-WAY END	N/A	N/A
0.21	0.21	INTERSECTION	L	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0218DZ: CRYSTAL SPRINGS CAMPGROUND ROAD D

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.10	0.10	INTERSECTION	L	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.10	0.10	INTERSECTION	R	ROUTE 0218AZ (CRYSTAL SPRINGS CAMPGROUND ROAD A)
0.10	0.10	ONE-WAY END	N/A	N/A

KICA: Route Milepost Log

ROUTE 0218EZ: CRYSTAL SPRINGS CAMPGROUND ROAD E

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0218BZ (CRYSTAL SPRINGS CAMPGROUND ROAD B)
0.00	0.00	INTERSECTION	L	ROUTE 0218BZ (CRYSTAL SPRINGS CAMPGROUND ROAD B)
0.01	0.01	INTERSECTION	L	ROUTE 0218EZ (CRYSTAL SPRINGS CAMPGROUND ROAD E)
0.01	0.01	ONE-WAY START	N/A	N/A
0.15	0.15	INTERSECTION	L	ROUTE 0218EZ (CRYSTAL SPRINGS CAMPGROUND ROAD E)
0.15	0.15	INTERSECTION	R	ROUTE 0218EZ (CRYSTAL SPRINGS CAMPGROUND ROAD E)
0.15	0.15	ONE-WAY END	N/A	N/A

KICA: Route Milepost Log

ROUTE 0220AZ: SUNSET CAMPGROUND ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0015 (GRANT GROVE ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0015 (GRANT GROVE ROAD)
0.03	0.03	INTERSECTION	R	ROUTE 0903 (SUNSET AMPHITHEATER PARKING)
0.04	0.04	INTERSECTION	L	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.04	0.04	ONE-WAY START	N/A	N/A
0.10	0.10	INTERSECTION	L	ROUTE 0220CZ (SUNSET CAMPGROUND ROAD C)
0.13	0.13	INTERSECTION	R	ROUTE 0220DZ (SUNSET CAMPGROUND ROAD D)
0.14	0.14	INTERSECTION	L	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.18	0.18	INTERSECTION	R	ROUTE 0220DZ (SUNSET CAMPGROUND ROAD D)
0.30	0.30	INTERSECTION	L	ROUTE 0220EZ (SUNSET CAMPGROUND ROAD E)
0.37	0.37	INTERSECTION	R	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.37	0.37	INTERSECTION	L	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.42	0.42	INTERSECTION	L	ROUTE 0220CZ (SUNSET CAMPGROUND ROAD C)
0.43	0.43	INTERSECTION	R	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.50	0.50	INTERSECTION	N/A	ROUTE 0903 (SUNSET AMPHITHEATER PARKING)
0.50	0.50	INTERSECTION	L	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.50	0.50	INTERSECTION	R	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.50	0.50	ONE-WAY END	N/A	N/A

KICA: Route Milepost Log

ROUTE 0220BZ: SUNSET CAMPGROUND ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	L	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.00	0.00	ONE-WAY START	N/A	N/A
0.02	0.02	INTERSECTION	R	ROUTE 0220EZ (SUNSET CAMPGROUND ROAD E)
0.08	0.08	INTERSECTION	R	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.08	0.08	INTERSECTION	L	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.15	0.15	INTERSECTION	R	ROUTE 0220FZ (SUNSET CAMPGROUND ROAD F)
0.20	0.20	INTERSECTION	R	ROUTE 0220FZ (SUNSET CAMPGROUND ROAD F)
0.27	0.27	INTERSECTION	R	ROUTE 0220GZ (SUNSET CAMPGROUND ROAD G)
0.32	0.32	INTERSECTION	R	ROUTE 0220GZ (SUNSET CAMPGROUND ROAD G)
0.41	0.41	INTERSECTION	R	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.41	0.41	INTERSECTION	L	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.41	0.41	ONE-WAY END	N/A	N/A

KICA: Route Milepost Log

ROUTE 0220CZ: SUNSET CAMPGROUND ROAD C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.00	0.00	INTERSECTION	L	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.05	0.05	ONE-WAY END	N/A	N/A
0.05	0.05	INTERSECTION	R	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.05	0.05	INTERSECTION	L	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0220DZ: SUNSET CAMPGROUND ROAD D

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.08	0.08	INTERSECTION	L	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.08	0.08	ONE-WAY END	N/A	N/A
0.08	0.08	INTERSECTION	R	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0220EZ: SUNSET CAMPGROUND ROAD E

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.00	0.00	INTERSECTION	N/A	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.08	0.08	ONE-WAY END	N/A	N/A
0.08	0.08	INTERSECTION	L	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)
0.08	0.08	INTERSECTION	R	ROUTE 0220AZ (SUNSET CAMPGROUND ROAD A)

KICA: Route Milepost Log

ROUTE 0220FZ: SUNSET CAMPGROUND ROAD F

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.00	0.00	INTERSECTION	R	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.00	0.00	ONE-WAY START	N/A	N/A
0.09	0.09	ONE-WAY END	N/A	N/A
0.09	0.09	INTERSECTION	L	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.09	0.09	INTERSECTION	N/A	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)

KICA: Route Milepost Log

ROUTE 0220GZ: SUNSET CAMPGROUND ROAD G

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.00	0.00	INTERSECTION	N/A	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.10	0.10	INTERSECTION	R	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.10	0.10	INTERSECTION	L	ROUTE 0220BZ (SUNSET CAMPGROUND ROAD B)
0.10	0.10	ONE-WAY END	N/A	N/A

KICA: Route Milepost Log

ROUTE 0400Z: CEDAR LANE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0205 (NORTH SIDE ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0205 (NORTH SIDE ROAD)
0.01	0.01	INTERSECTION	L	PAVED PARKING (HOTEL CREEK TRAIL PARKING)
0.27	0.27	INTERSECTION	L	UNPAVED PARKING (PACK STATION PARKING)
0.35	0.35	INTERSECTION	L	UNPAVED ROUTE
0.39	0.39	INTERSECTION	L	UNPAVED PARKING
0.57	0.57	INTERSECTION	L	UNPAVED ROUTE
0.58	0.58	INTERSECTION	L	ROUTE 0914 (CEDAR GROVE MAINTENANCE AREA)
0.59	0.59	INTERSECTION	L	ROUTE 0401Z (DEATH VALLEY DRIVE)
0.61	0.61	INTERSECTION	L	ROUTE 0401Z (DEATH VALLEY DRIVE) SPUR
0.68	0.68	INTERSECTION	L	ROUTE 0401Z (DEATH VALLEY DRIVE)
0.73	0.73	INTERSECTION	N/A	ROUTE 0200 (CEDAR GROVE MOTOR NATURE ROAD)

KICA: Route Milepost Log

ROUTE 0401Z: DEATH VALLEY DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0400Z (CEDAR LANE)
0.00	0.00	INTERSECTION	R	ROUTE 0400Z (CEDAR LANE)
0.01	0.01	INTERSECTION	L	ROUTE 0914 (CEDAR GROVE MAINTENANCE AREA)
0.02	0.02	INTERSECTION	R	ROUTE 0401Z (DEATH VALLEY DRIVE) SPUR
0.02	0.02	INTERSECTION	L	ROUTE 0914 (CEDAR GROVE MAINTENANCE AREA)
0.03	0.03	INTERSECTION	L	ROUTE 0914 (CEDAR GROVE MAINTENANCE AREA)
0.24	0.24	INTERSECTION	L	ROUTE 0400Z (CEDAR LANE)
0.24	0.24	INTERSECTION	R	ROUTE 0400Z (CEDAR LANE)

KICA: Route Milepost Log

ROUTE 0402AZ: PICNIC ESTATES HOUSING ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0205 (NORTH SIDE ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0205 (NORTH SIDE ROAD)
0.01	0.01	INTERSECTION	R	ROUTE 0916Z (CEDAR GROVE VILLAGE PARKING)
0.03	0.03	INTERSECTION	R	ROUTE 0916Z (CEDAR GROVE VILLAGE PARKING)
0.04	0.04	INTERSECTION	L	ROUTE 0402AZ (PICNIC ESTATES HOUSING ROAD A)
0.05	0.05	INTERSECTION	R	ROUTE 0916Z (CEDAR GROVE VILLAGE PARKING)
0.06	0.06	INTERSECTION	R	ROUTE 0916Z (CEDAR GROVE VILLAGE PARKING)
0.16	0.16	INTERSECTION	L	ROUTE 0402BZ (PICNIC ESTATES HOUSING ROAD B)
0.34	0.34	INTERSECTION	L	ROUTE 0402BZ (PICNIC ESTATES HOUSING ROAD B)
0.39	0.39	INTERSECTION	L	ROUTE 0402AZ (PICNIC ESTATES HOUSING ROAD A)
0.39	0.39	INTERSECTION	R	ROUTE 0402AZ (PICNIC ESTATES HOUSING ROAD A)
0.39	0.39	INTERSECTION	N/A	ROUTE 0916Z (CEDAR GROVE VILLAGE PARKING)

KICA: Route Milepost Log

ROUTE 0402BZ: PICNIC ESTATES HOUSING ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0402AZ (PICNIC ESTATES HOUSING ROAD A)
0.00	0.00	INTERSECTION	R	ROUTE 0402AZ (PICNIC ESTATES HOUSING ROAD A)
0.09	0.09	INTERSECTION	L	ROUTE 0402AZ (PICNIC ESTATES HOUSING ROAD A)
0.09	0.09	INTERSECTION	R	ROUTE 0402AZ (PICNIC ESTATES HOUSING ROAD A)

KICA: Route Milepost Log

ROUTE 0411Z: WIRTH WAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0415Z (UPPER LOOP ROAD)
0.00	0.00	INTERSECTION	L	ROUTE 0415Z (UPPER LOOP ROAD)
0.34	0.34	INTERSECTION	R	ROUTE 0417CZ (LOWER LOOP ROAD)
0.34	0.34	INTERSECTION	L	ROUTE 0417CZ (LOWER LOOP ROAD)

KICA: Route Milepost Log

ROUTE 0414AZ: SWALE WORK CENTER LOOP A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0414Z (SWALE ROAD)
0.00	0.00	INTERSECTION	L	ROUTE 0414Z (SWALE ROAD)
0.06	0.06	INTERSECTION	L	ROUTE 0414Z (SWALE ROAD)
0.06	0.06	INTERSECTION	R	ROUTE 0414Z (SWALE ROAD)

KICA: Route Milepost Log

ROUTE 0414Z: SWALE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0212 (GRANT TREE ROAD)
0.00	0.00	INTERSECTION	L	ROUTE 0212 (GRANT TREE ROAD)
0.34	0.34	INTERSECTION	R	ROUTE 0936BZ (SWALE WORK CENTER PARKING B)
0.34	0.34	INTERSECTION	L	ROUTE 0936AZ (SWALE WORK CENTER PARKING A)
0.44	0.44	INTERSECTION	L	ROUTE 0937Z (ARROWHEAD INTERAGENCY HOTSHOT CREW PARKING)
0.46	0.46	INTERSECTION	R	ROUTE 0414AZ (SWALE WORK CENTER LOOP A)
0.47	0.47	INTERSECTION	R	ROUTE 0414AZ (SWALE WORK CENTER LOOP A)
0.52	0.52	INTERSECTION	L	ROUTE 0414Z (SWALE ROAD)
0.82	0.82	INTERSECTION	L	ROUTE 0414Z (SWALE ROAD)
0.82	0.82	INTERSECTION	N/A	ROUTE 0414Z (SWALE ROAD)

KICA: Route Milepost Log

ROUTE 0415Z: UPPER LOOP ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0417AZ (PARK ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 5000 (PARK ROAD / WILSONIA ROAD)
0.00	0.00	INTERSECTION	N/A	ROUTE 0902 (MAINTENANCE AREA PARKING (PINE CAMP COURT))
0.03	0.03	INTERSECTION	L	ROUTE 0417CZ (LOWER LOOP ROAD)
0.12	0.12	INTERSECTION	L	ROUTE 0411Z (WIRTH WAY)
0.20	0.20	INTERSECTION	L	ROUTE 0415Z (UPPER LOOP ROAD)
0.26	0.26	INTERSECTION	L	ROUTE 0415Z (UPPER LOOP ROAD)
0.26	0.26	INTERSECTION	N/A	ROUTE 0415Z (UPPER LOOP ROAD)

KICA: Route Milepost Log

ROUTE 0417AZ: PARK ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0015 (GRANT GROVE ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0015 (GRANT GROVE ROAD)
0.02	0.02	INTERSECTION	L	ROUTE 0417CZ (LOWER LOOP ROAD)
0.18	0.18	INTERSECTION	N/A	ROUTE 5000 (PARK ROAD / WILSONIA ROAD)
0.18	0.18	INTERSECTION	R	ROUTE 0902 (MAINTENANCE AREA PARKING (PINE CAMP COURT))
0.18	0.18	INTERSECTION	L	ROUTE 0415Z (UPPER LOOP ROAD)

KICA: Route Milepost Log

ROUTE 0417BZ: QUARTERS 1612 LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0417CZ (LOWER LOOP ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0417CZ (LOWER LOOP ROAD)
0.05	0.05	INTERSECTION	L	ROUTE 0417CZ (LOWER LOOP ROAD)
0.05	0.05	INTERSECTION	R	ROUTE 0417CZ (LOWER LOOP ROAD)

KICA: Route Milepost Log

ROUTE 0417CZ: LOWER LOOP ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0415Z (UPPER LOOP ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0415Z (UPPER LOOP ROAD)
0.03	0.03	INTERSECTION	R	ROUTE 0417BZ (QUARTERS 1612 LOOP)
0.06	0.06	INTERSECTION	R	ROUTE 0417BZ (QUARTERS 1612 LOOP)
0.16	0.16	INTERSECTION	R	ROUTE 0411Z (WIRTH WAY)
0.22	0.22	INTERSECTION	R	ROUTE 0417AZ (PARK ROAD)
0.22	0.22	INTERSECTION	L	ROUTE 0417AZ (PARK ROAD)

KICA: Route Milepost Log

ROUTE 0418: WATER TANK ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0101 (PANORAMIC ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0101 (PANORAMIC ROAD)
0.41	0.41	INTERSECTION	N/A	END AT WATER TANK

Data Collected on 5/2015

Section 8
Appendix

Kings Canyon National Park

Federal Lands Highway
Road Inventory Program

Improvements to the RIP Index Equations and Determination of PCR

In 2005, the Federal Highway Administration (FHWA) began implementing the use of a Pavement Management System (PMS) to assist the National Park Service (NPS) in prioritizing Pavement Maintenance and Rehabilitation activities. The PMS used by FHWA is the Highway Pavement Management Application (HPMA) which has the ability to store inventory and condition data from the Road Inventory Program (RIP) and forecast future performance using prediction models. Outputs include performance and condition reports at the National, Region, Park, or Route level. A regional prioritized list and optimization have been produced for most regions and the Federal Highway Deferred Maintenance is calculated via the HPMA as well.

In an effort to improve the accuracy of treatment recommendations and pavement condition descriptions the distresses and indexes that comprise the Pavement Condition Rating (PCR), an extensive study was completed throughout 2010 that has resulted in changes to the RIP condition reporting method and specifically, the calculation of PCR. It was determined that a better representation of PCR could be achieved by modifying the relative impact certain distresses would have on the overall rating.

Through the use of HPMA data, it was noted that false failure indicators existed with the existing PCR model, and that it would be necessary to reduce their impact. The distresses affected in this way were Rutting and Roughness. Conversely, experience showed that roadways with extensive cracking present were often shown to have a high PCR. Therefore, the crack index models were adjusted to be more sensitive to changes in crack severity or quantity. It was also determined that these issues were not due to a problem with data acquisition (i.e. the RIP "van"), but with the way the collected data was processed. The final change was to provide guidance on when to use the Roughness Condition Index (RCI) in the PCR calculation. Roughness data is of little value to determining overall condition on routes that, due to their length or geometrics, have lower vehicle operating speeds. Therefore, in Cycle 5, only routes that have lengths of one half mile or greater and posted speed limits of 25 mph or greater will have RCI reported and included in the PCR calculations.

Additionally, methodologies were updated in 2013 for Manually Rated Routes (paved routes that the collection vehicle is unable to drive) as well as Parking Areas to provide more accurate condition data to the HPMA. These updated methodologies allow for the efficient assessment of pavement conditions using a visual inspection method to denote specific distresses. These distresses are indicative of current conditions, the causes for current and future deterioration, and identify the level of targeted repair and rehabilitation practices required.

The changes that were implemented were endorsed by management at both the FHWA and NPS. In order to show the effectiveness of these changes, several sites were ground truth tested in early 2014 to ensure that an improvement was achieved between the relationship of PCR and the actual Maintenance and Rehabilitation needs that were represented. The changes will allow greater use of RIP and HPMA data for not simply condition data reporting, but also as a reliable tool for project identification and selection.

Description of the Rating System

The Federal Highway Administration, National Park Service Road Inventory Program (NPS-RIP), collects roadway condition data on paved surfaces (asphalt, concrete, brick, and cobblestone) on roads, parkways, and parking areas in national parks nationwide. The road surface condition data is collected using an automated Data Collection Vehicle (DCV) and manually using Manually Rated Route (MRR) procedures. Roads having brick or cobblestone surfacing are not normally surveyed with the DCV, but are manually rated for condition rating.

The FHWA RIP is implemented based on the premise that an accurate pavement surface condition assessment can be accomplished using automated crack detection technology as applied to digital images. Various methods of pavement condition assessment have been developed over the years with varying degrees of accuracy and acceptance. The use of digital photography to record pavement images and subsequent crack detection and classification has undergone continuous improvements over the past decade. Digital cameras with increasingly superior resolution and high definition have become more affordable, and the proprietary programming code and algorithms have been improved in crack detection software.

With the use of quality digital photography and automated crack detection software, FHWA RIP is tasked with executing a pavement condition assessment on a network of roughly 5,700 miles of National Park Service roads and parkways. Because a subset of roads will be collected multiple times this cycle, the total collection length will be around 13,000 miles. Foremost in setting up the basis of pavement distress identification is employing the distress identification protocols used by FHWA. There is no single distress identification system that is universal among entities conducting a program of distress identification. For the purpose of the NPS RIP, FHWA employs distress identification protocols that are specific to this program.

FHWA has referenced the "*Distress Identification Manual for the Long-Term Pavement Performance Program", Publication No. FHWA-RD 03-031, June 2003,* as the point-of- reference for distress types on NPS pavement. In truth, the FHWA RIP distress types are similar to those described in the LTPP manual with some modifications. This document, "*Distress Identification Manual for the NPS Road Inventory Program, Cycle 6, 2014-2020"* was developed using the "*Distress Identification Manual for the Long-Term Pavement Performance Program"* as a guideline. Definitions of severity levels based on crack width contained in this document adhere to the LTPP Distress ID Manual. Modifications have been made to the definition of Alligator and Longitudinal Cracking and determination of Alligator Cracking severity. This manual also addresses Rutting and Roughness and its application to RIP.

Cycle 6 has launched in the spring of 2014 and will again comprise all parks, large and small, that are served by paved roads and/or parking areas. For Cycle 6, roughly 333 large and small parks will have all paved routes and parking areas collected at least once in the cycle, some will have multiple collections depending on the size of the park and the functional class of the route.

This "*Distress Identification Manual for the NPS Road Inventory Program, Cycle 6, 2014-2020*" will be used as a reference resource in crack detection and classification, determination of distress severity and extent, and in the calculation of distress index values for the FHWA RIP Cycle 6.

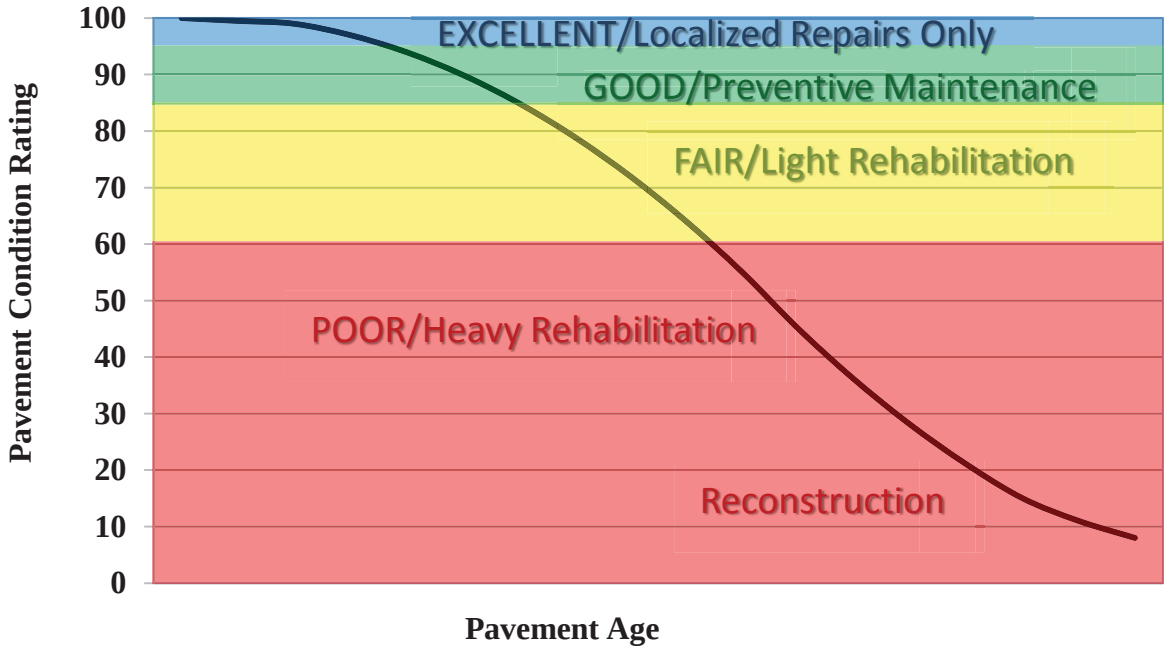
Explanation of the Condition Descriptions

In addition to the RIP Index changes that were implemented in Cycle 5, we will also aim to provide greater assistance in translating good/fair/poor categories into pavement needs categories. The PCR can be used to indicate the place in the Pavement Life Cycle and the types of treatments that should be considered now and into the future.

- Excellent/New: PCR of 95-100. Pavements in this range will require only spot repairs
- Good: PCR of 85-94. Pavements in this range will likely be candidates for preventive maintenance. Examples include Chip and Slurry Seals, Micro Surfacing and Thin Overlays.
- Fair: PCR of 61-84. Pavements in this range will likely be candidates of Light Rehabilitation (L3R). Examples include single-lift overlays up to 2.5 inches in total thickness, milling and overlays.
- Poor: PCR of 60 or below. Pavements in this range will likely be candidates of Heavy Rehabilitation or Reconstruction (H3R or 4R). Examples include Pulverization, Multiple Lift Overlays, and Reconstruction.

At this time, specific maintenance and rehabilitation activities should be evaluated and recommended at the project level. Site-specific conditions that influence treatment type should be determined based on performing a subsurface investigation and/or pavement condition survey, and not be based solely on RIP data. Additionally, RIP produces a snapshot of conditions the year in which the data was collected. For further information or to obtain additional PMS data from our (HPMA) please contact the Eastern Federal Lands pavement team.

Condition Categories and Treatments



Description of Pavement Treatment Types

1. **Preventive Maintenance** is a planned strategy of cost-effective treatments to an existing roadway system and its appurtenances that preserves the system, retards future deterioration, and maintains or improves the functional condition of the system (without significantly increasing the structural capacity). Preventive maintenance is typically applied to pavements in good condition having significant remaining service life. As a major component of pavement preservation, preventive maintenance is a strategy of extending the service life by applying cost-effective treatments to the surface or near-surface of structurally sound pavements. Examples of preventive treatments include asphalt crack sealing, chip sealing, slurry or micro-surfacing, thin and ultra-thin hot-mix asphalt overlay, concrete joint sealing, diamond grinding, dowel-bar retrofit, and isolated, partial and/or full-depth concrete repairs to restore functionality of individual slabs.

2. Pavement Rehabilitation consists of structural enhancements that extend the service life of an existing pavement and/or improve its load carrying capacity. Rehabilitation techniques include restoration treatments and structural overlays. Rehabilitation projects extend the life of existing pavement structures either by restoring existing structural capacity through the elimination of age-related, environmental cracking of embrittled pavement surface or by increasing pavement thickness to strengthen existing pavement sections to accommodate existing or projected traffic loading conditions. Two sub-categories result from these distinctions, which are directly related to the restoration or increase of structural capacity.

    - **Light Rehabilitation (L3R)** - Examples include single-lift overlays up to 2.5 inches in total thickness and milling and overlays for flexible pavements

    - **Heavy Rehabilitation (H3R)** – Requires rehabilitation with grade improvement. H3R stands for resurfacing, restoration, and rehabilitation projects. H3R projects typically involve multi-depth (overlays greater than 2.5 inches) pavement improvement work (short of full-depth replacement) and targeted safety improvements. H3R projects generally involve retention of the existing three-dimensional alignment.

3. **Reconstruction (4R)** is defined as the replacement of the entire existing pavement structure by the placement of the equivalent or increased pavement structure. Reconstruction usually requires the complete removal and replacement of the existing pavement structure. Reconstruction may utilize either new or recycled materials incorporated into the materials used for the reconstruction of the complete pavement section. Reconstruction is required when a pavement has either failed or has become functionally obsolete.

Appendix A

Methodology for Determining Condition Ratings with the Data Collection Vehicle (DCV)

Surface Distresses Identified by the Data Collection Vehicle

Surface Condition Rating – SCR

Surface distresses are measured in the primary lane only. In the classification and measurement of all paved surface condition data, results will be reported in the database in record intervals of 0.02 miles (105.6 feet) (smallest granularity) along the route.

Surface distresses and rutting are determined from digital images that provide both the longitudinal and transverse profile. The images also provide an elevation profile of the road, creating a 3-dimensional image of the paved surface.

- Transverse Cracks
- Longitudinal Cracks
- Alligator Cracks
- Patching/Potholes
- Rutting

Each of the five surface distresses is assigned a computed surface distress index

- Transverse Crack Index
- Longitudinal Crack Index
- Alligator Crack Index
- Patching/Pothole Index
- Rutting Index

Surface distress data are classified as listed above, measured for severity, and quantified for extent. Classification, severity, and extent of these five surface distresses comprise the three main elements for calculation of Surface Condition Rating (SCR).

In addition to the five surface distresses, a Structural Crack Index is computed, which is a combination of the Longitudinal Crack Index and the Alligator Crack Index. The Structural Crack Index is then used in lieu of the LC and AC indices to compute SCR.

Roughness Condition Index - RCI

Additional condition data measured by DCV (lasers and accelerometers)

- Roughness (IRI)

Roughness is measured by FHWA's DCV and reported as International Roughness Index (IRI) in inches/mile. Using IRI, the Roughness Condition Index (RCI) is computed.

Pavement Condition Rating - PCR

Using the SCR (computed from the five surface distresses) and the RCI, an overall Pavement Condition Rating (PCR) is computed. The formula for PCR is:

Asphalt PCR = (0.60 * SCR) + (0.40 * RCI)
Concrete PCR = RCI

A detailed description of each distress index formula, roughness index formula, SCR and PCR is provided in this document.

Each classified surface distress will fall into one or more severity - LOW, MEDIUM, or HIGH based on criteria listed. For each severity, an extent is established based on the measured quantity of the distress within that severity. Within each severity individual distresses are assigned a Maximum Allowable Extent (MAE). For example, LOW severity transverse cracking may be allowed up to 21.1 cracks within a 0.02 mile interval before it reaches MAE and fails.

The index formulas are based on a scale of 0 to 100. A PCR index value of 100 would indicate a "new" road with no measurable distresses or rough ride. A PCR value of 60 is determined to be terminable serviceability and the road is considered failed. The range of index values with condition descriptors is:

POOR = (less than or equal to 60), **FAIR**= (61 – 84), GOOD= (85 - 94), **EXCELLENT**= (95 - 100)

Index values are generally computed based on cumulative deducts of the measured severities. As shown in the index formulas below, as any single severity reaches or exceeds MAE, the index computes to a value of 60 or less, and the road fails for that 0.02 interval.

> **Note:** *As a result of a unique combination of measured surface distresses and IRI, index values occasionally compute to less than 0 or greater than 100. In this instance, an index value less than 0 defaults to 0. Index values greater than 100 defaults to 100. For all indices, a higher value indicates a better road condition, and a lower value indicates a poorer road condition.*

On the following page, Table 1 summarizes the different types of distresses measured.

ASPHALT-SURFACED PAVEMENT DISTRESS TYPES WITH RUTTING AND ROUGHNESS				
Distress Type	**Units Of Measure**	**Converted To**	**Defined Severity Levels?**	**Measured By**
Alligator Cracking	Square Feet	Percent of Lane Per 0.02 Mile	Yes	3 Dimensional pavement imaging system
Transverse Cracking	Linear feet	Number of Cracks Per 0.02 Mile	Yes	3 Dimensional pavement imaging system
Longitudinal Cracking	Linear feet	Percent of Lane Length Per 0.02 Mile	Yes	3 Dimensional pavement imaging system
Patching / Potholes	Square Feet	Percent of Lane Per 0.02 Mile	No	3 Dimensional pavement imaging system
Rutting	Inches	Rut Depth Per 0.02 Mile	Yes	3 Dimensional pavement imaging system
Roughness	IRI	*RCI Per 0.02 Mile	No	DCV – Lasers / Accelerometers

*Note: *Roughness is measured on concrete roadways, but surface distresses and rutting are not measured. For concrete, PCR = RCI*

Table 1. Distress summary

Alligator Cracking

Description:

Alligator cracking is considered a combination of fatigue and block cracking. It is a series of interconnected cracks in various stages of development. Alligator cracking develops into a many-sided pattern that resembles chicken wire or alligator skin. It can occur anywhere in the road lane. Alligator cracking must have a quantifiable area.

Severity Levels:

LOW
An area with little to no interconnecting cracks with no visible spalling. Cracks are less than or equal to a mean width of 0.25 in. (6mm). Cracks in the pattern are no further apart than 1 foot (0.328 m). May be sealed cracks with sealant in good condition and a crack width that cannot be determined.

MEDIUM
An area of interconnected cracks that form a complete pattern. Cracks may be slightly spalled. Cracks are greater than 0.25 in. (6 mm) but less than or equal to 0.75 in. (19 mm) or any crack with a mean width less than or equal to 0.75 in. (19 mm) and adjacent low severity cracking. Cracks in the pattern are no further apart than 6 in. (150 mm).

HIGH
An area of interconnected cracks forming a complete pattern. Cracks are moderately or severely spalled. Cracks are greater than 0.75 in. (19mm) or any crack with a mean width less than or equal to 0.75 in. (19mm) and adjacent medium to high severity random cracking.

A combination of observed crack width and crack pattern is used to determine overall severity of alligator cracking. Based on above description of each severity, the highest level of crack width and crack pattern determines overall severity as shown in Table 2.

ALLIGATOR CRACKING SEVERITY LEVELS				
	CRACK SEVERITY	**CRACK PATTERN**		
		LOW	**MED**	**HIGH**
CRACK WIDTH	LOW	LOW	MED	HIGH
	MED	MED	MED	HIGH
	HIGH	HIGH	HIGH	HIGH

Table 2. Alligator Crack Severity Levels

Longitudinal Cracking

Description:

Longitudinal cracking occurs predominantly parallel to the pavement centerline. It can occur anywhere within the lane. Longitudinal cracks occurring in the wheelpath may be noteworthy.

Severity Levels:

LOW
Cracks with a mean width less than or equal to 0.25 in. (6 mm). This also includes sealed cracks with sealant in good condition and a width that cannot be determined.

MEDIUM
Cracks with a mean width greater than 0.25 in. (6 mm) but less than 0.75 in. (19 mm). Also, any crack with a mean width less than 0.75 in. (19 mm) and adjacent random low severity cracking.

HIGH
Cracks with a mean width greater than 0.75 in. (19 mm). Also, any crack with a mean width less than 0.75 in. (19 mm) and adjacent random medium to high severity cracking.

Transverse Cracking

Description:

Transverse cracking occurs predominantly perpendicular to the pavement centerline. It can occur anywhere within the lane.

Severity Levels:

LOW
Cracks with a mean width of less than or equal to 0.25 in. (6 mm). Sealed cracks with sealant in good condition and a width that cannot be determined.

MEDIUM
Cracks with a mean width greater 0.25 in. (6 mm) and less than or equal to 0.75 in. (19 mm). Also, any crack with a mean width less than 0.75 in. (19 mm) and adjacent random low severity cracking.

HIGH
Cracks with a mean width greater than 0.75 in. (19 mm). Also, any crack with a mean width less than 0.75 in. (19 mm) and adjacent random medium to high severity cracking.

Patching and Potholes

Description:

Patching is an area of pavement surface that has been removed and replaced with patching material or an area of pavement surface that has had additional patching material applied. Patching may encompass partial lane or full lane width. On full lane width patching; the total, contiguous length of patch may not exceed 0.100 mi. (0.161 km). (Any full-lane patch exceeding 0.100 mi. in length is considered a pavement change). Patching must have a quantifiable area.

Potholes are bowl-shaped holes of various sizes occurring in the pavement surface.

Manhole covers should not be rated as patches unless there is obvious patching around the manhole.

Speed bumps should not be rated as patches

Severity Levels:

There are no stratified severities for Patching and Potholes. They either are present or they are not.

RUTTING

Description:

Rutting is a longitudinal surface depression in the wheelpath.

Severity Levels:

LOW

Ruts with a measured depth of 0.20 inches to 0.49 inches
Ruts less than 0.20 in. are not included in the distress calculations.

MEDIUM

Ruts with a measured depth of 0.50 inches to 0.99 inches

HIGH

Ruts with a measured depth greater than 1.00 inch

ROUGHNESS

Description:

Roughness is the measurement of the unevenness of the pavement in the direction of travel. It is measured in units of IRI (International Roughness Index), inches per mile, and is indicative of ride comfort.

Severity Levels:

There are no stratified severity levels for roughness. The roughness (or smoothness) of a road surface can be defined by IRI in the following table.

IRI DESCRIPTIONS	
Type of Road	**Typical IRI (in/mile)**
New Road, no noticeable roughness	<90
Small level of roughness	90 – 126
Road of average roughness	126 – 190
Road with above average roughness	190 – 253
Road with severe roughness	253 – 380
Nearly impassable	>380

Table 3. International Roughness Index

Roughness Collection Parameters

On shorter roads with a lower speed limit the usefulness in collecting and reporting IRI is negligible. Lower, inconsistent speeds can lead to a less accurate IRI value. Therefore RIP has put in place the following protocols for reporting IRI.

International Roughness Index (IRI) is not reported on routes with the following criteria:

- Posted speed limit is less than 25 mph
- Length of route is less than 0.50 miles

When a collected route has a posted speed limit of at least 25 mph and length of at least 0.50 miles, IRI will be collected except on road sections where the speed is less than 20 mph

Other situations may arise where the speed and length factors are met, but reporting IRI could lead to an inaccurate PCR. RIP will determine whether or not it is reasonable to report IRI on these routes on a case by case basis.

Index Formulas

Note: All index formulas listed below contain MAE applicable to 0.02 mile (105.6 feet) interval.

Alligator Crack Index

AC_INDEX = 100 – 40 * [(%LOW / 35) + (%MED / 15) + (%HI / 5)]

Where:

The values %LOW, %MED and %HI report the percentage of the observed pavement (0.02 mile, primary lane) that contains alligator cracking within the respective severities. These values range from 0 to 100.

%LOW = Percent of total area (primary lane, 0.02 in length), low severity
%MED = Percent of total area (primary lane, 0.02 in length), medium severity
%HI = Percent of total area (primary lane, 0.02 in length), high severity

Percent of total area is computed as:

$$\frac{\text{square foot area of alligator crack severity}}{\text{(0.02 mile)*(lane width)}}$$

In AC_INDEX, the denominators 35, 15, and 5 are the Maximum Allowable Extents (MAE) for each severity. In other words, we will allow up to 35% of low severity alligator cracking for a 0.02 interval before failure, 15% for medium severity, and so on. As you can see, if any single severity reaches MAE the resulting index value is 60, or failure.

Longitudinal Crack Index

LC_INDEX = 100 – 40 * [(%LOW / 175) + (%MED / 75) + (%HI / 25)]

Where:

The values %LOW, %MED, and %HI report the length of longitudinal cracking within each severity as a percent of the section length (0.02 mile, primary lane). These values are greater than or equal to 0 and can exceed 100.

%LOW = Percent of interval length (primary lane, 0.02 in length), low severity
%MED = Percent of interval length (primary lane, 0.02 in length), medium severity
%HI = Percent of interval length (primary lane, 0.02 in length), high severity

Percent of interval length is computed as:

$$\frac{\text{length of respective longitudinal cracking}}{\text{(0.02 mile)*(105.6 ft.)}}$$

In LC_INDEX, the denominators 175, 75, and 25 are the Maximum Allowable Extents (MAE) for each severity. In other words, we will allow up to 175% of low severity longitudinal cracking for a 0.02 interval before failure, 75% for medium severity, and so on. As you can see, if any single severity reaches MAE the resulting index value is 60, or failure.

Structural Crack Index

SC_INDEX = [100 - ((100 - AC_INDEX) + (100 - LC_INDEX))]

Structural Crack Index is a combination of Alligator Cracking and Longitudinal Cracking, and is used in the SCR formula in lieu of AC and LC separately.

Transverse Crack Index

TC_INDEX = 100 – 40 * [(LOW / 21.1) + (MED / 4.4) + (HI / 2.6)]

Where:

The values LOW, MED and HI report a count of the total number of transverse cracks (reported to three decimals) within each severity level, where one transverse crack is equal to the lane width. These values are greater than or equal to 0.

LOW = Number of cracks in interval (primary lane, 0.02 in length), low severity
MED = Number of cracks in interval (primary lane, 0.02 in length), medium severity
HI = Number of cracks in interval (primary lane, 0.02 in length), high severity

Number of cracks is computed as:

$$\frac{\text{Total length of transverse cracks}}{\text{Lane width}}$$

In TC_INDEX, the denominators 21.1, 4.4, and 2.6 are the Maximum Allowable Extents (MAE) for each severity. In other words, we will allow up to 21.1 low severity transverse cracks for a 0.02 interval before failure, 4.4 cracks for medium severity, and so on. As you can see, if any single severity reaches MAE the resulting index value is 60, or failure.

Patching Index

PATCH_INDEX = (100 – 40) * (%PATCHING / 80)

Where:

The value %PATCHING reports the percentage of the observed pavement (0.02 mile, primary lane) that contains patching/potholes. This value ranges from 0 to 100.

%PATCHING = Percent of total area (primary lane, 0.02 in length)

Percent of total area is computed as:

$$\frac{\text{square foot area of patching/potholes}}{\text{(0.02 mile)*(lane width)}}$$

There are no severity levels for patching. It either exists or does not.

There are no severity levels for patching. It either exists or does not. In PATCH_INDEX, the denominator 80 is the Maximum Allowable Extent (MAE) for each severity. In other words, we will allow up to 80% patching for a 0.02 interval before failure. As you can see, if patching/potholes reaches MAE the resulting index value is 60, or failure.

Rutting Index

RUT_INDEX = 100 – 40 * [(%LOW / 535) + (%MED / 205) + (%HI / 40)]

Where:

20 rut depth measurements are taken per 0.02 interval for each of 2 wheel paths (left and right), resulting in a total of 40 measurements taken for both wheel paths. Each wheelpath is analyzed independently for rut severities. The values %LOW, %MED and %HI report the percentage of the 40 measurements within that severity. These values range from 0 to 200.

%LOW = Percent of LOW ruts in left wheelpath based on 20 ruts, plus percent of LOW ruts in right wheelpath based on 20 ruts.
%MED = Percent of MED ruts in left wheelpath based on 20 ruts, plus percent of MED ruts in right wheelpath based on 20 ruts.
%HI = Percent of HI ruts in left wheelpath based on 20 ruts, plus percent of HI ruts in right wheel path based on 20 ruts.

Percent of rut measurements within each severity can also be computed as:

$$\frac{\textbf{(total number of ruts within each severity in both wheelpaths)}}{\textbf{20}} \times \textbf{100}$$

In RUT_INDEX, the denominators 535, 205, and 40 are the Maximum Allowable Extents for each severity; Low, Medium, and High, respectively. Only the MAE for high severity rutting can fail a section, since 200% of *only* low severity ruts would yield a rut index of 85 and 200% of *only* medium severity ruts would yield a rut index of 61.

Roughness Condition Index (Asphalt)

RCI = 32 * [5 * ($2.718282^{(-.0041 * \text{AVG IRI})}$)]

Where:

The value AVG IRI reports the average value of the Left IRI and Right IRI measurements for the interval (0.02 mile, primary lane). This value can range from approximately 40 to 999.0.

Average IRI is computed as:

$$\frac{\text{(Left wheelpath IRI) + (Right wheelpath IRI)}}{2}$$

There is no applicable threshold for failure for this index.

Roughness Condition Index (Concrete)

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

For concrete, PCR = RCI

Surface Condition Rating Index

SCR = Lowest Index Value Of: [SC_INDEX, TC_INDEX, PATCH_INDEX, RUT_INDEX]

Note: *The modified SCR equation above combines AC_INDEX and LC_INDEX, and considers that a single AC/LC index value of the Structural Crack Index (SC_INDEX). The lowest of the four computed index values (SC_INDEX, TC_INDEX, PATCH_INDEX, or RUT_INDEX) becomes the SCR.*

Where:

See above for determinations of SC_INDEX, TC_INDEX, PATCH_INDEX and RUT_INDEX.

The threshold for failure for this index is SCR = 60.Data Collection Vehicle Subsystems

Data on paved roads is collected by FHWA using a Pathway Services Inc. Data Collection Vehicle (DCV), called a PathRunner. The DCV is driven in the primary-direction lane at posted speed limits and less.

Cameras

Forward-facing and rear-facing video is collected as jpeg digital imagery files at a frequency of every 26.4feet.

Two forward-facing cameras are mounted above the vehicle cab, one pointed straight ahead and the other to the right shoulder providing seamless roughly 120 degree viewing. A third camera is mounted in the rear of the vehicle, recording the left shoulder.

CAMERA SPECIFICATIONS TWO FORWARD / ONE REAR FACING CAMERA	
Camera lens/type	Prosilica GT 2750 (GigE Technology)
Image format	*.jpg
Image resolution	2750 x 2200, 18 frames/second
Image pixel size	depends on distance
Zoom ratio	16mm Fixed
Iris range	Aperture Range F 1.8 – Infinity (P-Iris, Automatic

Pavement Imaging and Rutting

High resolution rutting data and surface imaging are collected in a single data stream using a three-dimensional (3D) pavement surface transverse profile data acquisition system. The 3D camera captures a laser line as it is projected over the pavement surface and uses the location of this line to measure the height deviations of the pavement surface. These height deviations can be used to calculate rutting in both wheelpaths. These deviations also provide a grayscale image detailing the change in height throughout the surface, i.e. providing depth measurements for cracking.

THREE-DIMENSIONAL PAVEMENT SURFACE AND TRANSVERSE PROFILE DATA ACQUISITION SYSTEM	
Surface Image Specifications	
Image size	1536 pixels/scan @3000 Hz
Image width	4 meters (3950 mm nominal)
Laser class	3B
Power	16W (Two lasers @ 8W Ea)
Vehicle speed limitations	62 mph
Environment	Dry pavement, day or night
Sensor size (approximate)	1536 pixels x 512 pixels
Image display length	26.4 feet
Rutting Specifications	
Reported rut depth units	Inches
Vehicle speed limitations	Up to 62 mph
Sampling rate	3000 profiles/second
Transverse resolution	1536 points/profile
Transverse field-of-view	14 feet
Depth accuracy (nominal)	<1mm
Environment	Dry pavement, day or night, above 32 degrees F
Adherence to specifications	ASTM E1703M-95 (reapproved 2005)

Distance Measuring Instrument (DMI)

The DMI (Distance Measuring Instrument) obtains road length measurements that are accurate to 0.15% for speeds up to 60 mph. The DMI is connected to the hub of the rear wheel on the driver's side, and is calibrated to the revolutions of the rear vehicle axle on a regular basis.

Roughness (IRI)

IRI SPECIFICATIONS	
Reported IRI units	Inches/mile
Vehicle speed limitations	12-62 mph
IRI equipment certification	Texas Transportation Institute (TTI)
Wavelengths accommodated	0.5 feet to 300 feet
IRI computed & reported	World Bank Technical Paper Number 46
Environment	Dry pavement, day or night, above 32 degrees
Adherence to specifications	ASTM E950 Class 1 & AASHTO M 328

The collection system includes a South Dakota type laser profiler manufactured based on active Class 1 ASTM E950 standards. The dynamic profile of the pavement surface is collected from which the IRI roughness data is computed. The sensors include one accelerometer on each wheelpath, one height sensor (laser) on each wheelpath, and a distance transducer.

GPS & Inertial Systems

GPS is collected by an onboard system employing Omnistar real time correction and a spinning gyroscope to provide accurate positioning data in instances of satellite obstruction. All GPS coordinates are tied to an image and linear distance measurements.

GPS SPECIFICATIONS	
Static accuracy	Sub-meter
Dynamic accuracy	2-3 meters
Receiver	12 satellite tracking
Coordinate system	Lat Lon WGS 84
Environment	Day or night
Cross-slope	± 1.75%
Grade	± 1.75%
Adherence to specifications	ASTM E1703M-95 (reapproved 2005)

*NOTE – GPS accuracy is dependent on many different factors. Satellite constellation, tree coverage, GPS receiver quality, and real-time correction availability can all affect the locational and elevation accuracies. The elevation (z coordinate) accuracy is less dependable than locational or horizontal accuracy (x/y coordinates or latitude/longitude). In areas of heavy tree coverage or poor satellite constellations, elevation data can vary by as much as +/- 100 feet.

Appendix B

Methodology for Determining Condition Ratings Using Manual Rating Procedures

Description of Manual Rating Methods

In 2013, the Federal Highway Administration updated existing Manual Rating Procedures in an effort to better align pavement conditions for Manually Rated Routes and Parking with the Highway Pavement Management Application (HPMA). HPMA is the Pavement Management System used by the FHWA to store inventory and condition data from the Road Inventory Program (RIP) and forecast future performance using prediction models. HPMA uses pavement condition data (collected by the Road Inventory Program) to develop life cycles for pavements and recommend treatments to maximize useable pavement life while minimizing costs associated with maintenance and repair.

The Federal Highway Administration (FHWA) developed a set of manual rating methods for pavement that are appropriate for Federal Roadways. Two different methods were developed for linear roads and a separate method was developed for parking areas and nonlinear roads. These methods employ a 0 to 100 rating scale and improve consistency and objectivity in the manual evaluation of surface distresses. They are compatible with ratings that are collected by the automated Data Collection Vehicle (DCV).

- The first of the two manual evaluation methods for roads uses rating criteria to assign index values to each distress type based on a visual evaluation of severity and extent.

- The second manual evaluation method for roads is very time demanding and is best employed on only a select set of routes which may have the highest visitor use and require a more intensive assessment. This method will be used for the Manual Rating of Function Class 1, 2, 7, and 8 Roads. This method is based on measurements that are recorded for each instance of a surface distress. These measurements are converted into index values using conversion formulas.

- Parking areas and non-linear roads are rated similar to the first method shown above, however, there are some slight differences due to the non-linear nature.

The details and criteria used for each of these rating methods are outlined below.

Visual Inspection Method for Manually Rating Secondary Roads

The visual inspection method for manually rated roads uses condition rating criteria that have been developed by FHWA. This criteria is based on a visual evaluation of the severity and extent of distresses to determine the overall condition of the roadway. This method is used for secondary roads that are Functional Class 3, 4, 5, and 6. This constitutes the majority of manually rated roads collected by the Road Inventory Program.

Rating Section Lengths

For this method, Manually Rated Roads are rated in sections. These sections may be made based on length of changes in surface type or condition as described below. The ratings are then aggregated to give an overall rating for the Route:

- Rating sections should be no longer than 0.25 miles in order to keep the area being rated manageable.
- A new rating section may be started based on changes in condition, width, or surface type if these changes represent a significant portion of the route (are not isolated instances).
- If the road condition, width, and surface type remain constant then new sections do not need to be created unless the road exceeds 0.25 miles.

Rating Criteria

For this method, Manually Rated Roads are evaluated using a visual inspection of the six distress types listed below. Each distress is assigned one of five index values. An overall Surface Condition Rating (SCR) and Pavement Condition Rating (PCR) are calculated based on these index values.

- Alligator Cracking
    - Rating based on percentage of road surface affected
- Longitudinal Cracking
    - Rating based on severity level (crack width) and percentage of road section length of longitudinal cracks
- Transverse Cracking
    - Rating based on crack width, crack spacing, and percentage of surface affected
- Patching
    - Rating based on percentage of road surface affected
- Rutting
    - Rating based on percentage of road section length affected by visible rutting (>1 inch depth) that requires remediation
- Roughness
    - Manual assessments of roughness are not made due to the subjectivity of the measurement. Therefore, roughness is not incorporated into the PCR calculation of manually rated roads.

Concrete Routes also receive a PCR rating based on visual evaluation of the following six distress types.

- Slab Faulting at Joints
- Slab Cracking and breakup
- Surface Delamination and Pop-outs
- Joint Distresses
- Patching

Distress Measurement Method for Manually Rating Primary Roads

A more intensive and time demanding assessment than our standard method was developed for Primary roads that are functional class 1, 2, 7, or 8. These high visitation roads are usually accessible by the automated Data Collection Vehicle but in rare instances may need to be manually rated. The method developed is based on measuring each instance of a distress. These measurements are totaled over each section length being measured and are then converted into index values between 0 and 100 (100 being a road with no distress) using index formula equations outlined below. The goal of this method is to produce measured index values which are directly comparable to the automated DCV.

Rating Section Lengths

For the distress measurement method roads are broken into sections in order to rate. Distress measurements are totaled for each section separately in order to determine the index value for that particular section. The section length to be rated is determined based on the following rules:

- Rating sections are between 0.25 and 0.50 miles long
- A new rating section is created if there is a significant change in condition or pavement width
- If there are no significant changes in condition or pavement width, rating sections are broken at equal intervals, typically 0.50 miles

Manual Distress Measurements

Alligator Cracking

- Alligator cracking is measured by area (square feet). Instances of Alligator cracking are measured along the length and multiplied by the average width of the distressed area.
- The index for alligator cracking takes the total area of cracking compared to the interval length and converts it to a percentage. That percentage is then input into an index formula that yields a value between 0 and 100 (0 being the most distressed).
- Severity levels are not defined for manually measured Alligator cracks. The Alligator Crack Index formula is calculated based on an assumption of medium severity.

Longitudinal Cracking

- Longitudinal cracking (cracking in the direction parallel to the roadway) is measured by length (ft.).
- The index for longitudinal cracking takes the total length of cracking compared to the interval length and converts it to a percentage broken down by severity. That percentage is then input into a formula that yields a value between 0 and 100 (0 being the most distressed).
- Two severity levels are defined for manually measured Longitudinal Cracks. Lower severity cracks are those with a mean width of less than 0.25 inches. Sealed cracks with sealant in good condition are also considered lower severity. Higher severity cracks are those with a mean width of greater than 0.25 inches.

Transverse Cracking

- Transverse cracking (cracking in the direction perpendicular to the roadway) is measured by length (ft).
- The index for transverse cracking takes the total number of cracks (1 crack would encompass the full lane) broken down by severity. The total numbers of each severity are then put into a formula that yields a value between 0 and 100 (0 being the most distressed).
- Two severity levels are defined for manually measured Transverse Cracks. Lower severity cracks are those with a mean width of less than or equal to 0.25 inches. Sealed cracks with sealant in

good condition are also considered lower severity. Higher severity cracks are those with a mean width of greater than 0.25 inches.

Patching and Potholes

- Patching and Potholes are measured by area (square feet). Instances of Patching are measured along the length and multiplied by the average width of the patch.
- Instances of full lane width patching cannot be longer than 0.100 miles, otherwise is should be considered a pavement change rather than a distress.
- There are no stratified severities for Patching. It is either present or it is not.

Rutting

- Visible rutting is measured by length (ft.) in each wheel path. Only visible ruts are rated, which are ruts greater than 1 inch deep.
- All rutting recorded in a manual rating is considered to be high severity (> 1 inch). Lesser severities are generally not distinguishable in a visual inspection.

Roughness

- Manual assessments of roughness are not made due to the subjectivity of the measurement. Therefore, roughness is not incorporated into the PCR calculation of manually rated roads.

Index Formulas for Distress Measurement Method:

The method used to convert distress measurements into index values is shown below. The Surface Condition Rating and Pavement Condition Rating are calculated based on these index values.

Alligator Crack Index for Manual Rating:

AC_INDEX = 100 – 40 * (%ALLIGATOR / 15)

Where:

%ALLIGATOR = Percent of total area of section being rated that contains Alligator cracking.

Longitudinal Crack Index for Manual Rating:

LC_INDEX = 100 – 40 * [(%LOW / 175) + (%MED / 75)]

Where:

%LOW = Percent length of longitudinal cracks where crack width less than or equal to 0.25 inches

%HIGH = Percent length of longitudinal cracks where crack width greater than 0.25 inches

Transverse Crack Index for Manual Rating:

TC_INDEX = (100 – 40) * [(LOW / 21.1) + (MED / 4.4)]

Where:

LOW = Count of the total number of transverse cracks within the section length where one transverse crack is equal to the lane width and the crack width <= 0.25 inches

HIGH = Count of the total number of transverse cracks within the section length where one transverse crack is equal to the lane width and the crack width > 0.25 inches

Number of cracks is computed as:

Total length of transverse cracks/Lane width

Patching Index for Manual Rating:

PATCH_INDEX =(100 – 40) * (%PATCHING / 80)

Where:

%PATCHING = Percentage of pavement section that contains patching/potholes.

Rutting Index for Manual Rating:

RUT_INDEX = 100 – 40 * (%RUTTING / 40)

Where:

%RUTTING = Percentage length of high severity rutting within the section being measured.

Method for Manually Rating Paved Parking Areas and Non-Linear Roads

Parking areas are evaluated based on a visual inspection using condition rating criteria that has been developed by FHWA. This criteria is based on a visual evaluation of the severity and extent of distresses to determine the overall condition of the parking area. This overall condition rating is linked to the level of repair and rehabilitation practices required.

A distress index is determined for each of the distresses listed below for Asphalt and Concrete Parking areas. The overall Pavement Condition Rating (PCR) of the parking lot is driven by the most severe distress present.

Rating Criteria:

Asphalt Parking Distress Types

- Alligator Cracking
  - Rating based on percentage of road surface affected
- Longitudinal, Transverse and Block cracking
  - Rating based on crack width, crack spacing, and percentage of surface affected
- Rutting and Distortions
  - Rating based on percentage of road surface affected
- Hot Mix Asphalt Patches
  - Rating based on overall percentage of HMA patches
- Potholes and Cold Patches
  - Rating based on percentage of road surface affected
- Surface Raveling and Bleeding
  - Rating based on percentage of road surface affected

Concrete Parking Distress Types

- Slab Faulting at Joints
  - Rating based on height differential between adjacent slabs or pieces of broken slabs
- Slab Cracking and breakup
  - Rating based on quantity of cracks and if slab is acting to able distribute load as designed
- Surface Delamination and Pop-outs
  - Rating based on percentage of road surface affected to include pop-outs, spalls and surface delamination
- Joint Distresses
  - Rating based on sealant condition and concrete distresses at/or adjacent to joints
- Patching
  - Rating based on percentage of road surface affected

Curb Inspection and Treatments

During inspections of manually rated parking lots and routes, the curb reveal and overall curb condition are evaluated. The curb condition is used to determine a recommendation.

Curb Reveal
The vertical distance on the curb face from the gutter flow line or pavement surface to the top of curb. When resurfacing adjacent to curb, the resulting curb reveal should be no less than 4 inches. Additionally, when resurfacing adjacent to a gutter, the resulting pavement surface should be flush with the gutter pan. In cases where a resurfacing would violate either of these parameters, the surface may need to be milled or removed to adjust to these field conditions.

Curb Recommendations
The following treatment categories are based on the overall percentage of distresses along the entire curb structure for a specific pavement structure. Distresses include spalling, cracking, loss of material and any other damage which prevents the curb from conveying storm runoff or failing to perform in its intended function.

- Overall curb damage ranging 0%-5%:
    - DO NOTHING
- Overall curb damage ranging 5%-20%
    - LIGHT REPAIR
- Overall curb damage ranging 20%-50%
    - MODERATE REPAIR
- Overall curb damage greater than 50%:
    - REPLACE

GPS for Manually Rated Roads and Parking

GPS information for Manually Collected Cycle 6 Routes will be recorded using the latest hardware and software by TRIMBLE 6000 Series GeoXT. Cycle 6 GPS collection units will allow access to GPS and GLONASS, improving overall GPS reliability, accuracy and precision to submeter accuracy. Additionally, the new GPS units have an enhanced ability to collect accurate signals underneath tree cover or adjacent to buildings or natural terrain with extreme vertical gradations that typically reduce GPS accuracy. Trees and buildings create "satellite shadows", limiting the areas where you can reliably collect high-accuracy GPS data. The updated GPS receiver will deliver improved usable data under tree canopy or in natural or urban canyons. Routes that were previously collected accurately will not be recollected in Cycle 6.

TRIMBLE 6000 SERIES GeoXT GPS SPECIFICATIONS	
Receiver	Trimble Maxwell™ 6 GNSS chipset
Channels	220 channels
Systems	GPS / GLONASS / WAAS
Accuracy	Sub-meter
Operation Temperature	–20 °C to +60 °C (–4 ºF to +140 ºF)
Cellular and Wireless	UMTS / HSDPA / GPRS / EDGE / Wi-Fi / Bluetooth
Internal Still Camera w/ GEOTAG ability	Autofocus 5 MP (JPG) and WMV w/ Audio

Appendix C

Description of Cycle 6 Deliverables

Interim Report Delivery

Partial report will be primarily focused on manually collected routes. The report will be released approximately four months after manual collection of parking lots and other manually collected routes to provide NPS an immediate report on the condition of routes collected manually.

The Interim Report Delivery consists of an Interim Report PDF that contains the following:

- Parking lot and manually rated route conditions
- Route ID Reports
- Route ID Changes Report.

Please note that since the Data Collection Vehicle will have not collected data at this point in time, the following will not be in the Interim Report:

- No park summary information will be provided in the report
- No DCV data will be provided in report
- No road logs will be provided in report
- No maps will be provided in report
- Any mileages collected will be approximate

All data provided in the Interim Report will also be included in the Final Report.

Final Report Delivery

The Final Report will contain all data collected by Manual Inspection and the Data Collection Vehicle. All information provided in the Interim Report will be included in the Final report. Manually collected information reported in the Interim Report may be updated in the Final Report if pavement conditions have substantially changed between the Manual Inspection and Data Collection Vehicle Inspection or other unforeseen circumstances.

The final report will be released approximately 8 months after the Data Collection Vehicle completes its collection of that specific park.

Data included in the Final Report package consists of the following:

- **Condition Photos:** All photos taken during Cycle 6.
- **Data Video:** Data and video of each route collected by the DCV will viewable through PATHVIEW software. PATHVIEW Software and training will be provided to NPS personnel by Eastern Federal Lands.
- **GPS on All Rated Routes:** All GPS data collected from the DCV will be provided. Parking areas, some roads, and other paved areas that are not fully drivable with the DCV are collected manually by field technicians. GPS is collected for these routes using portable Trimble GPS units.
    - GPS will be provided as Shapefiles and KMLs
    - All GPS data related to road collection with be linear referenced to the collected length
- **Geodatabase – Background and Metadata:** In addition to this park report, a geodatabase containing both tabular and spatial data specific to this park has been provided.
    - All data disseminated in the preceding report has been obtained from the tables and fields within said geodatabase. The geodatabase can be referenced for tabular data via Microsoft Access or for both tabular and spatial data via ESRI's ArcGIS Suite of software which consists of; ArcMap, ArcCatalog and ArcExplorer.
    - Consolidating the RIP data into one database creates a seamless relationship of tables and geographic data. It allows RIP to facilitate easier updates and enhancements in the future. A geodatabase can be thought of as simply a database containing spatial data. A complete and thorough description of the tables and fields contained within this geodatabase can be found in the metadata. The metadata is attached directly within the geodatabase and can be accessed via ESRI's ArcCatalog.
- **Report (RIP Report and Route ID):** A PDF report will be provided that includes a list of all routes and key data. Condition reports for each route will be included. All changes, additions and deletions to any route will be included in the report. Features along routes will not be collected in Cycle 6.

Partial DCV Collections

Additional Partial DCV Collections may be done on specific parks depending on their size and overall mileage of routes within its boundaries during Cycle 6. Parks with greater than 10 miles of paved roadways will receive at least one additional Partial DCV collection during Cycle 6. Data collected during these Partial DCV Collections will not result in the delivery of an additional report to the park.

Data collected by the DCV during Partial DCV Collection will be used to improve HPMA modeling by providing additional "snapshots in time" of park pavement conditions. This improved HMPA modeling will assist in the programing and budgeting of future projects which will help maximize the life of pavement infrastructures.

Instead of receiving a report of conditions collected during the Partial DCV collection, the park will receive a formal letter from the Road Inventory Program requesting coordination for the additional Partial DCV collection, identifying the dates of the Partial DCV Collection and will reinforce the purpose and importance of the Partial DCV Collection.

Appendix D

Glossary of Terms and Abbreviations

Glossary of Terms and Abbreviations

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
AC	Alligator Cracking
CRS	Condition Rating Sheets (Section 5)
Curb Recommendation	Curb remediation based on overall percentage of curb distress
Curb Reveal	Height of curb exposed from gutter flow line to top of curb
DCV	Data Collection Vehicle
Excellent	Excellent rating with an index value of 95 to 100
Fair	Fair rating with an index value from 61 to 84
FUNCT_CLASS	Functional Classification (see Route ID, Section 2)
Good	Good rating with an index value from 85 to 94
IRI	International Roughness Index
HPMA	Highway Pavement Management Application
Lane Width	Width from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
LC	Longitudinal Cracking
MRR	Manually Rated Route
MRL	Manually Rated Line
MRP	Manually Rated Polygon
N/A	Not Applicable
NC	Not Collected
PATCH	Patching and Potholes
Paved Width	Width from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating
PKG	Parking Area
Poor	Poor rating with an index value of 0 to 60
RCI	Roughness Condition Index
SC	Structural Cracking
SCR	Surface Condition Rating
TC	Transverse Cracking