



The Road Inventory of Joshua Tree National Park JOTR - 8330



national park service



Road Inventory Program

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



Joshua Tree National Park in California





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INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

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Joshua Tree National Park Summaries

Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
Paved ARAN Driven Route Miles	77.37	12/16/2002
Unpaved Estimated Route Miles	102.50	12/16/2002
Paved ARAN and Unpaved Route Miles	179.87	
Paved ARAN Driven Lane Miles	153.06	12/16/2002
Paved MRR Lane Miles	3.09	12/16/2002
Parking Lot Lane Miles	10.62	12/16/2002
Total Paved Lane Miles	166.77	

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

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

Joshua Tree National Park Summaries

Cost to Improve to "Excellent" Condition

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

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

Existing Condition	Existing Miles	Estimated Cost to Improve
Excellent	0.95	\$28,500
Good	3.13	\$344,300
Fair	28.30	\$15,848,000
Poor	44.99	\$69,284,600
Totals	77.37	\$85,505,400

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

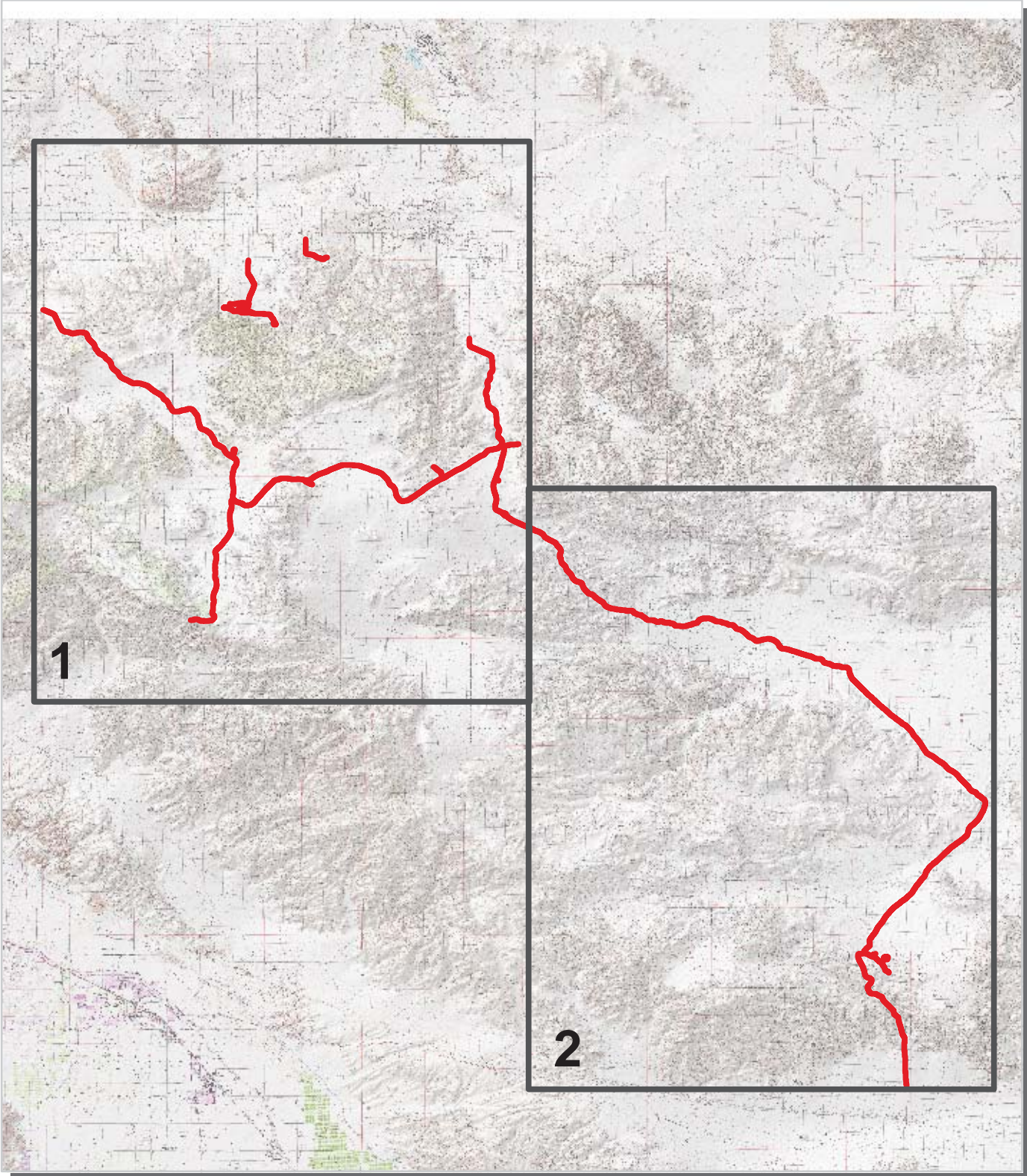
These numbers are for preliminary planning purposes only and should not be used for project level proposals. For park planning level analysis, apply your park multiplier for more accurate regional costs.

Joshua Tree National Park Summaries

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

F.C.	Pavement Condition Rating								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	35.19	45.48%	27.41	35.43%	2.97	3.84%	0.94	1.21%	66.51
2	7.45	9.63%	0.08	0.10%					7.53
3	2.12	2.74%	0.53	0.69%			0.01	0.01%	2.66
4									
5	0.23	0.30%	0.28	0.36%	0.16	0.21%			0.67
6									
7									
8									
Totals	44.99	58.15%	28.30	36.58%	3.13	4.05%	0.95	1.23%	77.37

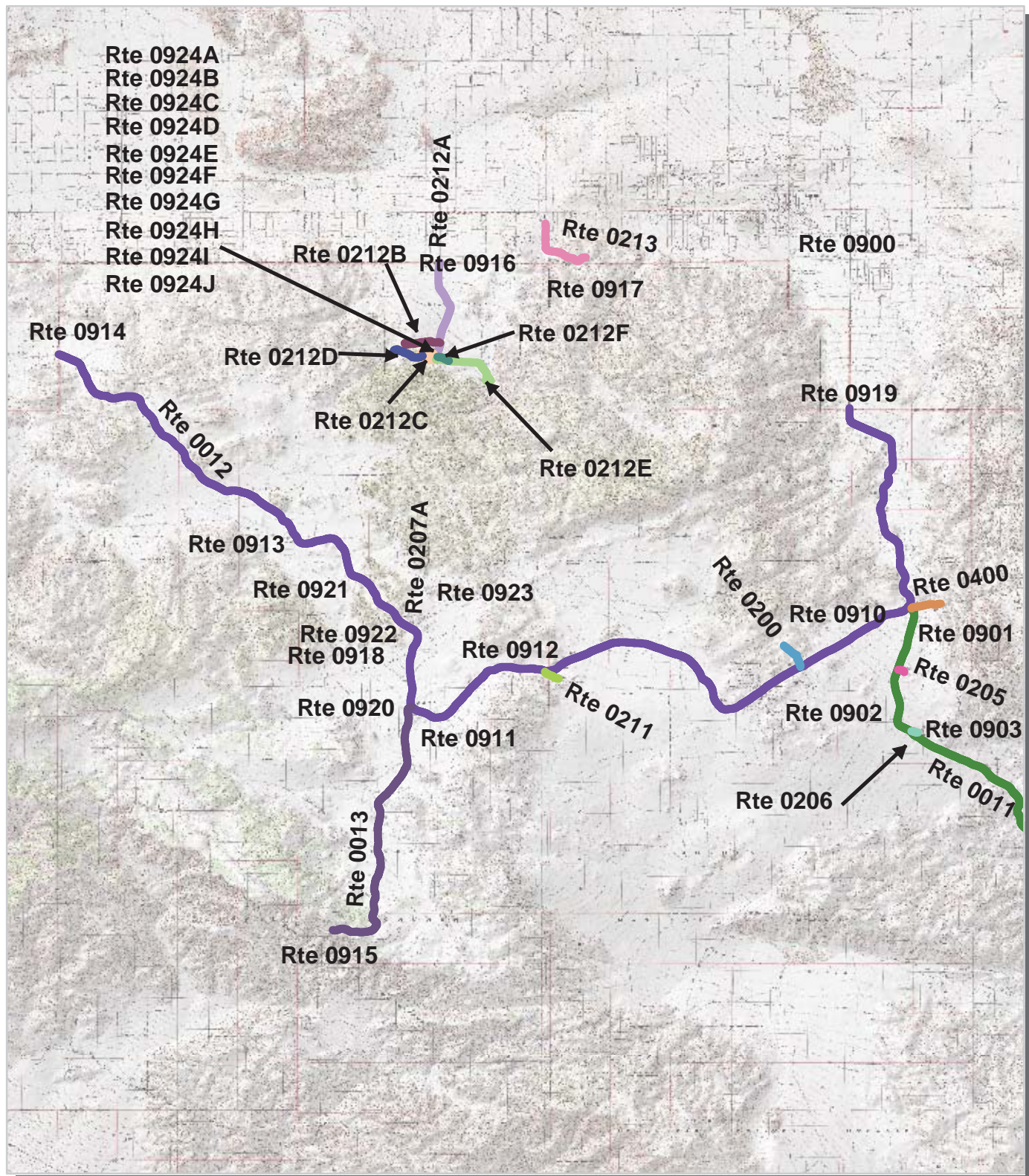
Joshua Tree National Park Route Location Key Map



— Park Owned Routes



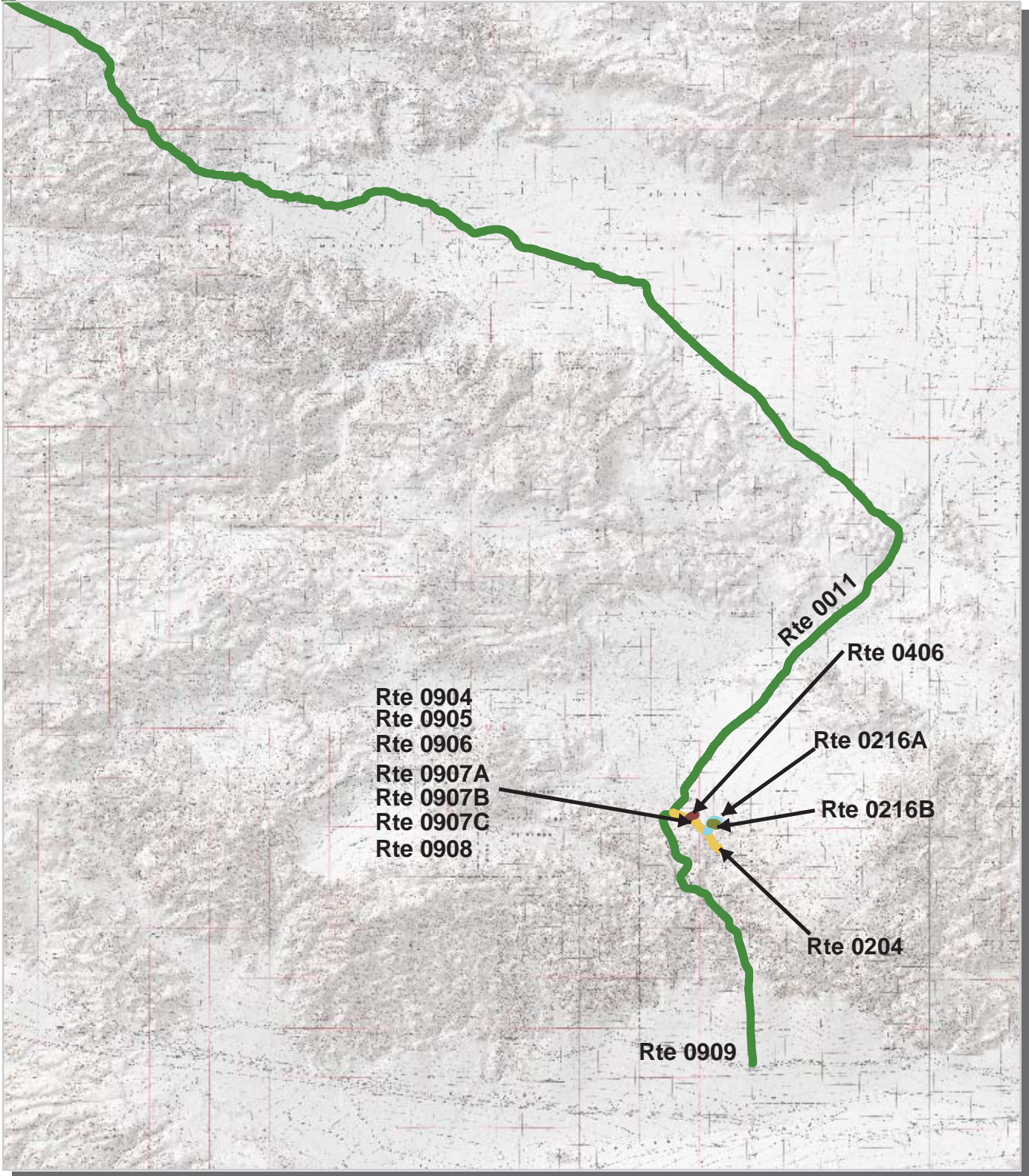
Joshua Tree National Park Route Location Map Area Map 1



Unique colors used to differentiate routes



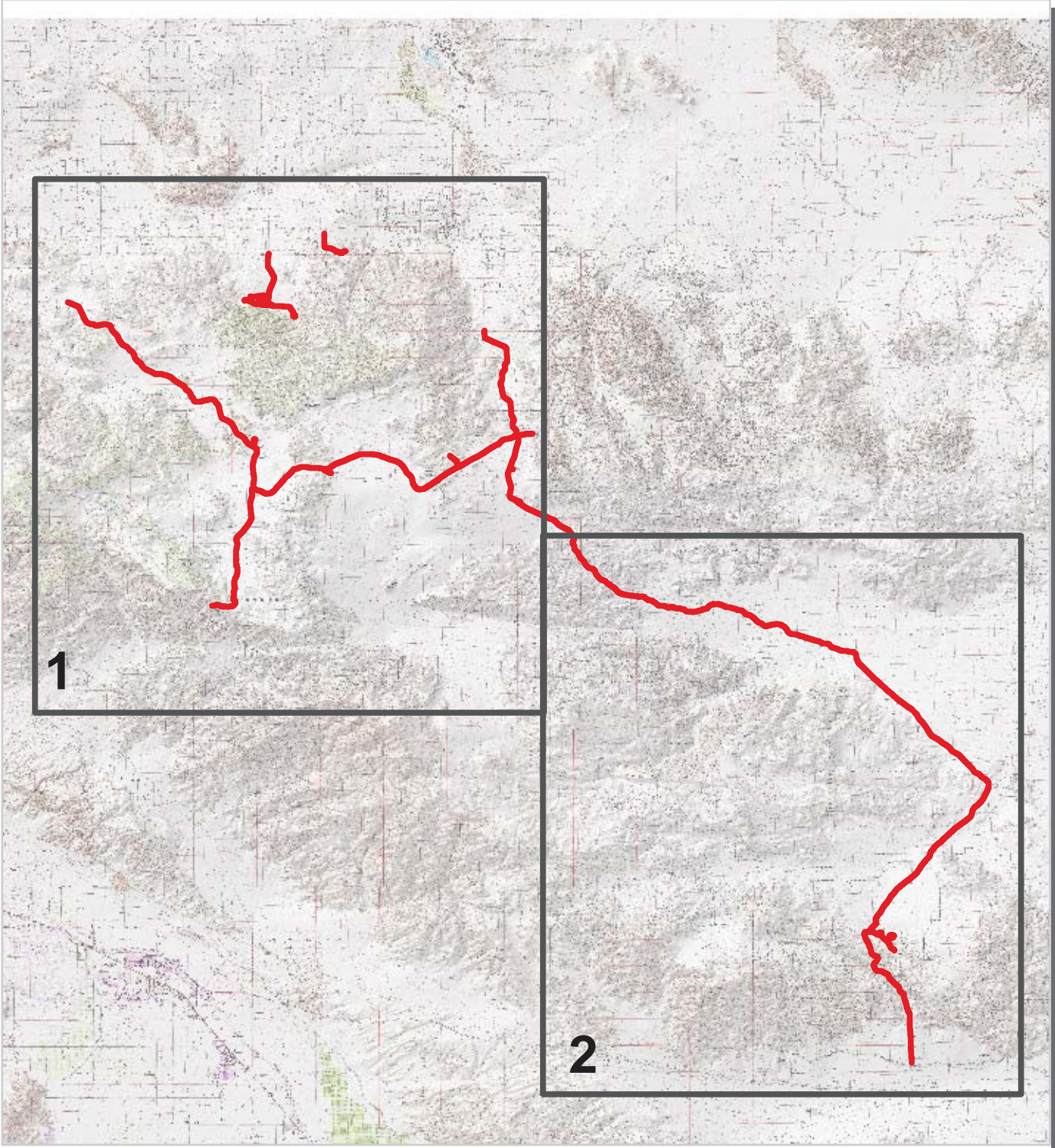
Joshua Tree National Park Route Location Map Area Map 2







Unique colors used to differentiate routes

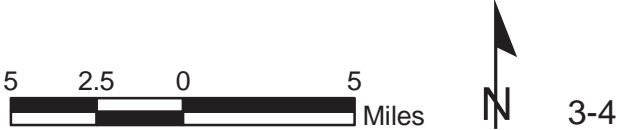


Joshua Tree National Park Route Condition Key Map PCR - Mile by Mile

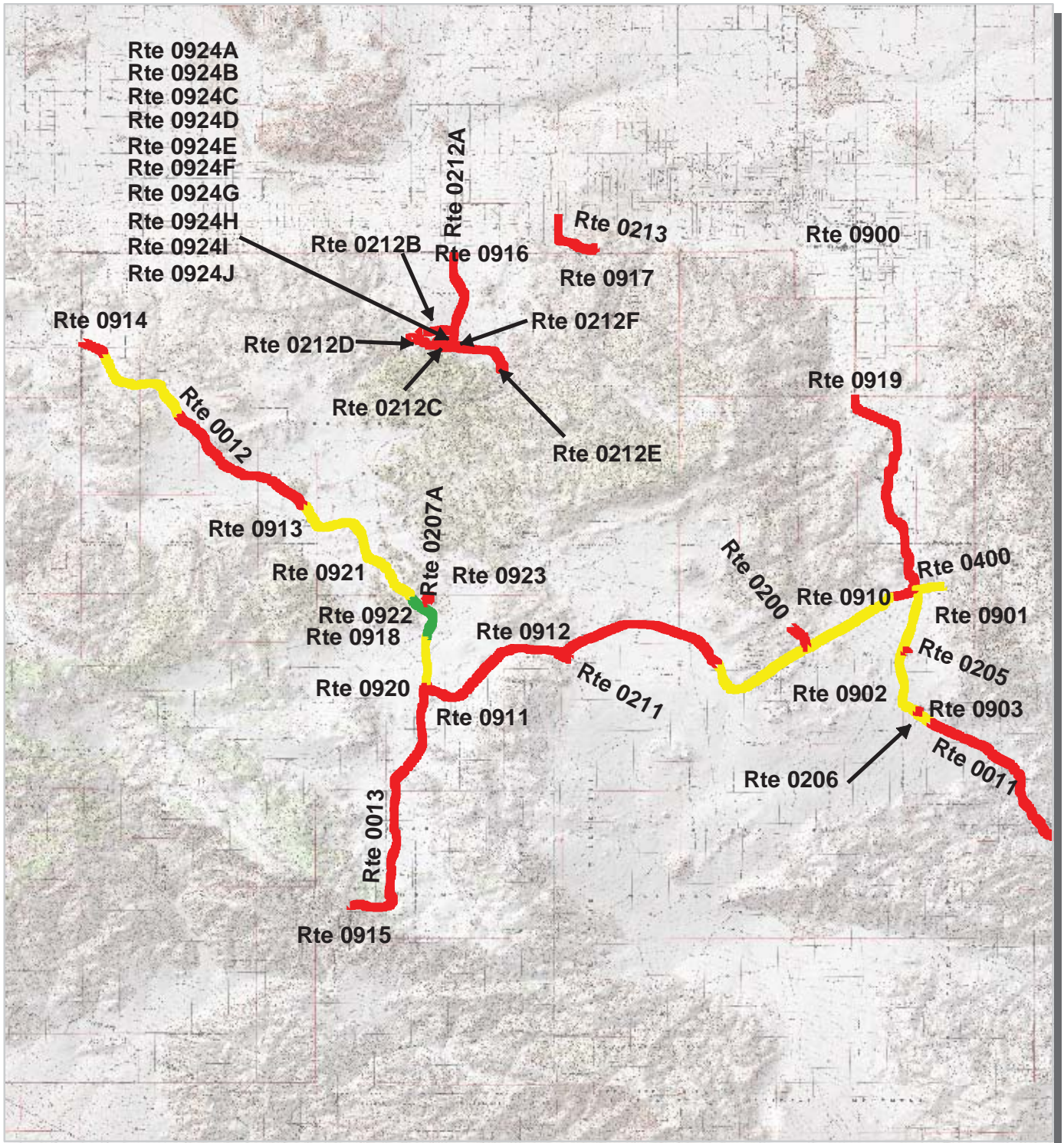


PCR	Poor		Fair		Good		Excellent	
	(≤ 60)		(61 - 84)		(85 - 94)		(95 - 100)	

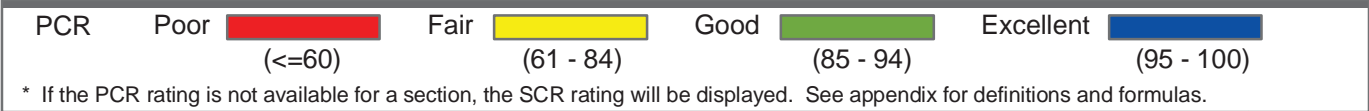
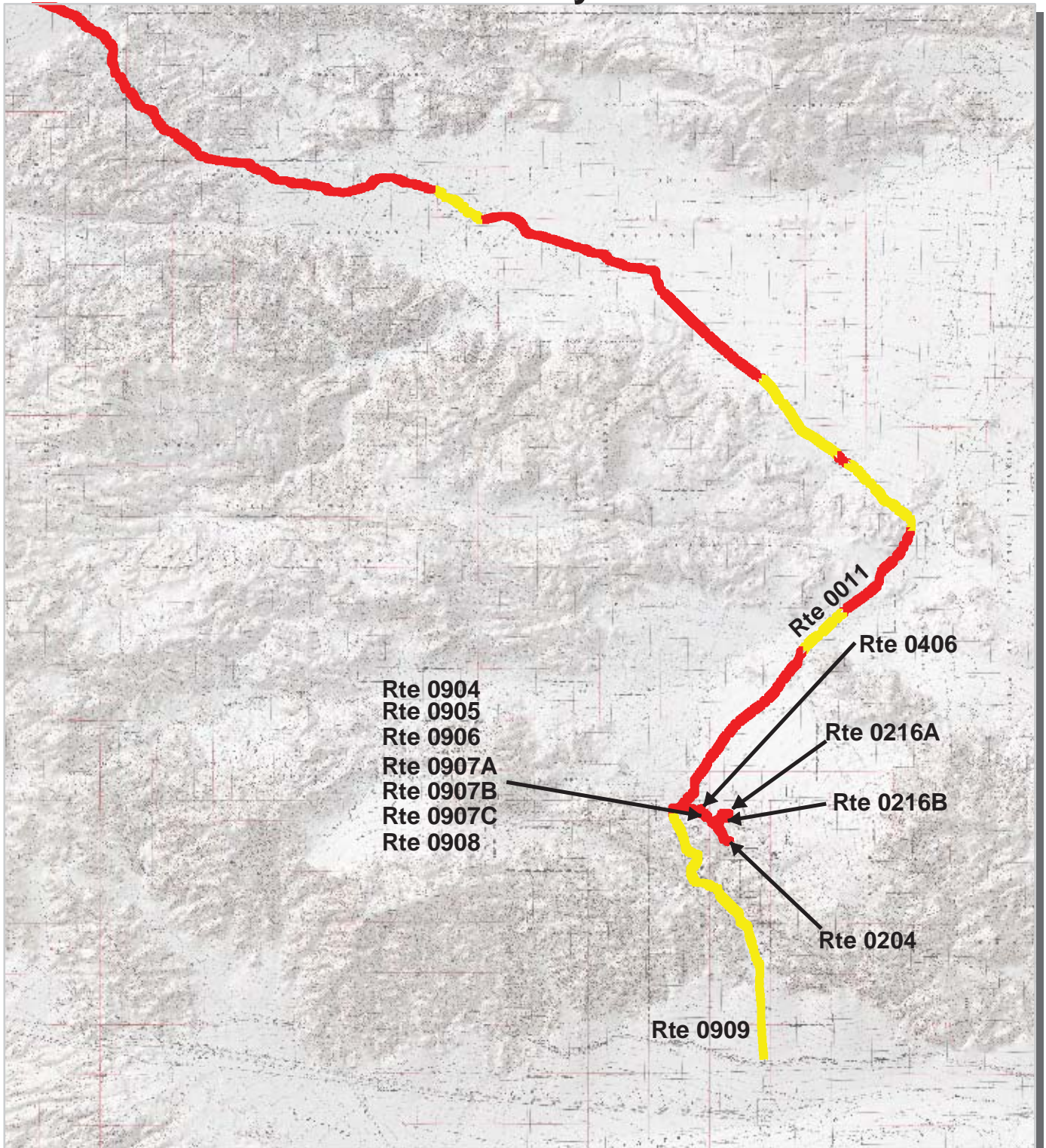
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.



Joshua Tree National Park Route Condition Area Map 1 PCR - Mile by Mile



Joshua Tree National Park Route Condition Area Map 2 PCR - Mile by Mile



NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes
approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Grey = Paved Routes, ARAN not Driven

Red =

Green = All Unpaved Parking Areas

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

Purple =

JOTR

Joshua Tree National Park

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0011	16798	Pinto Basin Road	From Route 0012 at MP 4.6 on Left	To South Park Boundary	35.55	0.00	35.55	1	2	0	OC
0012	16832	East-West Highway	From 29 Palms Entrance	To Joshua Tree Entrance	25.48	0.00	25.48	1	2	0	AS
0013	19875	Key's View Road	From Route 0012 at MP 14.95 on Left	To Route 0915	5.48	0.00	5.48	1	2	0	AS
0100		Baker Dam Road / Queen Valley Road	From Route 0012 at MP 16.55 on Right	To Route 0012	1.50	6.46	7.96	2	2	0	AS
0102	58838	Lost Horse Ranger Station Road	From Route 0012 at MP 17.8 on Left	To Route 0012	0.00	3.47	3.47	3	1	0	GR
0103	19676	Old Dale Road	From Route 0011	To North Park Boundary	0.00	12.56	12.56	2	2	0	GR
0104	19710	Black Eagle Mine Road	From Route 0011	To East Park Boundary	0.00	6.48	6.48	2	2	0	GR
0105	57402	Queen Valley Connector	From Route 0012	To Route 0100	0.00	2.31	2.31	3	1	0	GR
0106	19910	Lost Horse Mine Road	From Route 0013	To End	0.00	1.05	1.05	3	1	0	GR
0200	19814	Split Rock Road	From Route 0012 at MP 6.8	To Route 0910	0.55	0.00	0.55	3	2	0	OC
0201	19816	Live Oak Road	From Live Oak Road	To End	0.00	0.55	0.55	4	2	0	GR
0202	19701	Bedoo Road	From Bedoo Road	To Park Boundary	0.00	5.04	5.04	4	2	0	GR
0203	19763	Jumbo Rocks Campground Road	From Route 0012 at MP 8.1	Through Campground	2.04	0.00	2.04	3	2	179,603	AS
0204	16807	Cottonwood Springs Campground & Trailhead	From Route 0011 at MP 29.72 on Left	To Route 0908	1.15	0.00	1.15	3	2	0	AS
0205	16892	Belle Campground Road	From Route 0011 at MP 1.3 on Left	To Campground	0.13	0.00	0.13	3	2	0	AS
0206	16893	White Tank Campground Road	From Route 0011 at MP 2.65 on Left	To Campground	0.14	0.00	0.14	3	2	0	AS
0207A		Hidden Valley Campground	From Unpaved End of Route 0207B	To End of Loop	0.39	0.00	0.39	3	2	0	AS
0207B		Hidden Valley Campground	From Route 0100	Through Campground	0.00	0.38	0.38	3	2	0	GR
0209	19752	Ryan Campground Road	From Route 0012 at MP 14.4 on Left	Through Campground	0.00	0.80	0.80	4	2	0	GR
0210	19682	Covington Flats Area Roads	From North Park Boundary	Through Flats	0.00	10.01	10.01	4	2	0	GR
0211	39007	Sheep Pass Campground Road	From Route 0012 at MP 12.2 on Left	To Campground	0.30	0.00	0.30	3	2	0	AS
0212A	17237	Indian Cove Campground Road A	From North Park Boundary	To Route 0212C	1.94	0.00	1.94	2	2	0	AS
0212B		Indian Cove Campground Road B	From Route 0212A at MP 1.68 on Right	To End of Loop	0.65	0.00	0.65	2	2	0	AS
0212C		Indian Cove Campground Road C	From End of Route 0212 A	To End of Loop at End of Route 0212A	0.68	0.00	0.68	2	2	0	AS
0212D		Indian Cove Campground Road D	From Route 0212C on Right	To End of Loop	0.62	0.00	0.62	2	2	0	OC
0212E		Indian Cove Campground Road E	From Route 0212C on Right	To End of Loop	1.31	0.00	1.31	2	2	0	OC
0212F		Indian Cove Campground Road F	From Route 0212E on Left	To Route 0212C	0.23	0.00	0.23	2	2	0	OC
0213	19734	49 Palms Oasis Access Road	From Cottonwood Road 0.35 miles after CA 62	To Route 0917	1.30	0.00	1.30	2	2	0	AS
0214	16853	Black Rock Campground Road	From North Park Boundary	Through Campground	1.97	0.00	1.97	3	2	0	AS
0215		Queen Valley Loops	From Route 0012	To Route 0012	0.00	3.52	3.52	4	2	0	GR

NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:
Red text denotes approx. mileage

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

JOTR

Joshua Tree National Park

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0216A		Cottonwood Campground Loop A	From Route 0204	To End of Loop	0.52	0.00	0.52	2	1	0	OC
0216B		Cottonwood Campground Loop B	From Route 0216A	To End of Loop	0.28	0.00	0.28	2	1	0	OC
0300	19686	Geology Tour Road	From Route 0012 at MP 9.5	To End of one way loop	0.00	11.60	11.60	4	1	0	GR
0400	39008	Maintenance Road	From Route 0011 at MP 0.05 on Left	To Route 0901	0.52	0.00	0.52	5	2	0	AS
0401	39009	Park Route 2985	From Route 0012 east of Sheep Pass	To Mixing Pad	0.00	0.19	0.19	6	2	0	GR
0402	39010	Park Route 2976	From Route 0212	To Stockpile	0.00	0.47	0.47	6	2	0	GR
0403	16905	Smoke Tree Well Road	From Opposite Cottonwood Campground	To End	0.00	2.77	2.77	6	1	0	GR
0404	39011	Juniper Road	From Route 0013 at MP 1.07	To End	0.00	5.00	5.00	6	1	0	GR
0405	17067	Keys Ranch Road	From	To End at Route 0012	0.00	2.51	2.51	6	1	0	GR
0406		Cottonwood Residential Road	From Route 0204 on Left	To End	0.15	0.00	0.15	5	2	0	AS
0700	16906	CW Water Tank Road	From	To	0.00	0.50	0.50	ZZ		0	GR
0701	19705	Pinkham Canyon RD	From	To	0.00	19.20	19.20	ZZ		0	GR
0702	57494	Odell Rd, RT 2151	From	To	0.00	3.52	3.52	ZZ		0	GR
0703	77023	Brooklyn Mine Jeep Trail	From	To	0.00	2.61	2.61	ZZ		0	GR
0704	82727	Stirrup Tank Rd	From	To	0.00	1.50	1.50	ZZ		0	GR
0900	16909	North Entrance Visitor Center Complex	From Utah Trail Road near North Entrance	To Parking	0.00	0.00	0.00	9		47,330	AS
0901	19469	Maintenance Yard Parking	From End of Route 0400	To Parking	0.00	0.00	0.00	9		42,891	AS
0902	38993	Twin Tanks Backcountry Parking	Adjacent To Route 0011 at MP 2.15 on Right		0.00	0.00	0.00	9		23,562	OC
0903	38994	2 Deserts Meet Parking	Adjacent To Route 0011 at MP 3.1 on Right		0.00	0.00	0.00	9		6,267	OC
0904	38995	Cottonwood Visitor Center	From intersection of Route 0011 and Route 0204	To Parking	0.00	0.00	0.00	9		18,492	AS
0905	38996	Cottonwood Residential Area	Adjacent To Route 0406 on Left		0.00	0.00	0.00	9		9,633	AS
0906	38997	Cottonwood Dump Station	Adjacent To Route 0204 on Left		0.00	0.00	0.00	9		8,767	AS
0907A		Cottonwood Campground Parking A	Adjacent To Route 0216 A on Left		0.00	0.00	0.00	9		8,024	AS
0907B		Cottonwood Campground Parking B	Adjacent To Route 0216 A on Left		0.00	0.00	0.00	9		884	AS
0907C		Cottonwood Campground Parking C	Adjacent To Route 0216 B on Left		0.00	0.00	0.00	9		952	AS
0908	38998	Cottonwood Springs Oasis Parking	At End of Route 0204		0.00	0.00	0.00	9		16,576	AS
0909	38999	Bajada All Trail Parking	Adjacent To Route 0011 at MP 35.2 on Left		0.00	0.00	0.00	9		11,503	NC
0910	39000	Split Rock Picnic Area	At End of Route 0200		0.00	0.00	0.00	9		5,367	AS
0911	19493	Ryan Mountain Trailhead Parking	From Route 0012 at MP 14.0	To Parking	0.00	0.00	0.00	9		10,604	AS
0912	39001	Oyster Bar Trailhead Parking	From Route 0012 at MP 12.8	To Parking	0.00	0.00	0.00	9		26,785	AS

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(Numerical By Route #)

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Purple =

JOTR

Joshua Tree National Park

Rte. #	FMSS Asset #	Route Name	Route Description From To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0913	39002	Quail Springs Parking Area	Adjacent To Route 0012 at MP 19.6 on Left	0.00	0.00	0.00	9		41,666	AS
0914	39003	Joshua Tree Entrance Station	Adjacent To Route 0012 at MP 25.4 on Left	0.00	0.00	0.00	9		10,017	OC
0915	55566	Keys View Parking	At End of Route 0013	0.00	0.00	0.00	9		22,678	AS
0916	39005	Indian Cove Contact Station	Adjacent To Route 0212 A on Right	0.00	0.00	0.00	9		11,616	AS
0917	19730	49 Palms Oasis Parking	At End of Route 0213	0.00	0.00	0.00	9		23,485	OC
0918	39006	Hidden Valley Picnic Parking	Adjacent To Route 0012 at MP 16.7 on Left	0.00	0.00	0.00	9		101,531	AS
0919		North Entrance Contact Station Parking	Adjacent To Route 0012 at MP 0.1 on Right	0.00	0.00	0.00	9		3,062	AS
0920		Coyote Parking	Adjacent To Route 0012 at MP 15.2	0.00	0.00	0.00	9		13,741	AS
0921	16847	Hemmingways Parking	Adjacent To Route 0012 at MP 17.7 on Left	0.00	0.00	0.00	9		18,057	AS
0922	39012	Intersection Rock Parking	Adjacent To Route 0012 at MP 16.7 on Right	0.00	0.00	0.00	9		48,954	AS
0923	19904	Baker Dam Parking	Adjacent To Route 0100 on Right	0.00	0.00	0.00	9		40,600	AS
0924A		Indian Cove Parking Area A	Adjacent to Route 0212B	0.00	0.00	0.00	9		2,783	AS
0924B		Indian Cove Parking Area B	Adjacent to Route 0212B	0.00	0.00	0.00	9		2,957	AS
0924C		Indian Cove Parking Area C	Adjacent to Route 0212B	0.00	0.00	0.00	9		609	AS
0924D		Indian Cove Parking Area D	Adjacent to Route 0212B	0.00	0.00	0.00	9		3,333	AS
0924E		Indian Cove Parking Area E	Adjacent to Route 0212B	0.00	0.00	0.00	9		2,209	AS
0924F		Indian Cove Parking Area F	Adjacent to Route 0212B	0.00	0.00	0.00	9		491	AS
0924G		Indian Cove Parking Area G	Adjacent to Route 0212B	0.00	0.00	0.00	9		436	AS
0924H		Indian Cove Parking Area H	Adjacent to Route 0212B	0.00	0.00	0.00	9		815	AS
0924I		Indian Cove Parking Area I	Adjacent to Route 0212B	0.00	0.00	0.00	9		1,766	AS
0924J		Indian Cove Parking Area J	Adjacent to Route 0212B	0.00	0.00	0.00	9		1,779	AS
0925		Black Rock Campground Dumpstation	Adjacent to Route 0214	0.00	0.00	0.00	9		5,495	AS
0926		Black Rock Campground Visitor Center Parking	Adjacent to Route 0214	0.00	0.00	0.00	9		20,840	AS
Totals:				82.88	102.50	185.38			796,161	

NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes approx. mileage

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

General Park Road Functional Classification Table

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

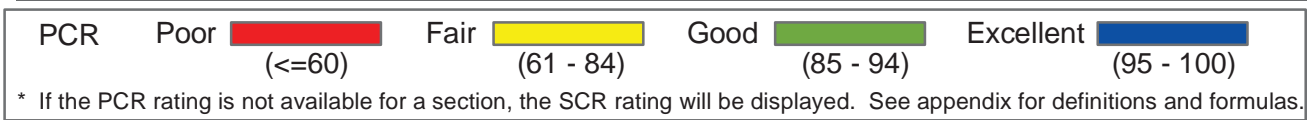
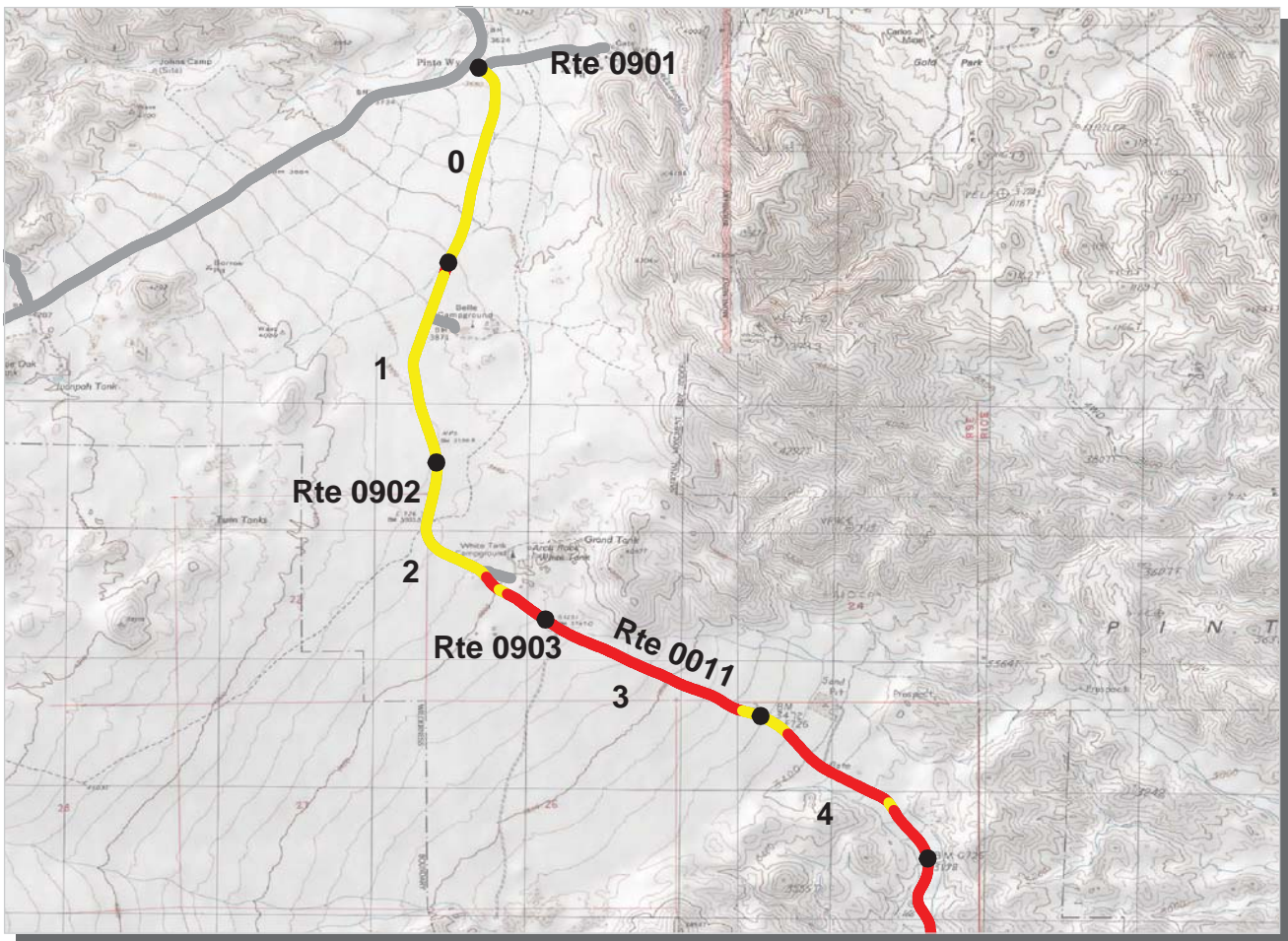
Surface Type Abbreviations:

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

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

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

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



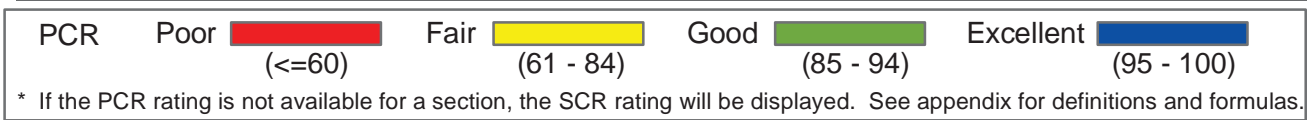
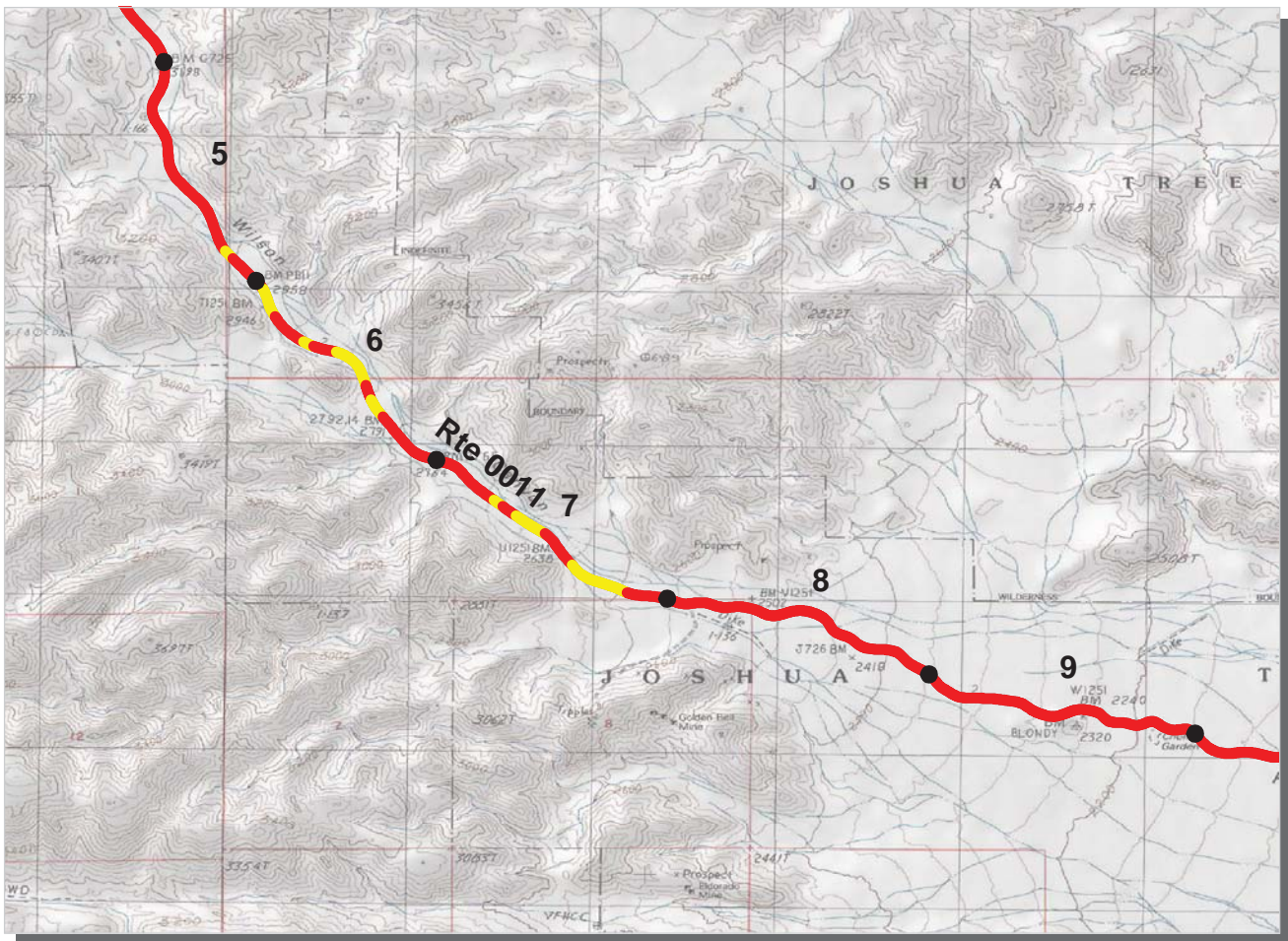
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0011 Pinto Basin Road **TOTAL LENGTH: 35.55 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	23	24	22	23	23
Lane Width (ft)	12	12	11	12	12
Shoulder Width (ft)	4	4	3	2	3
Roadway Condition Information					
PCR (Pavement Condition Rating)	65	65	64	55	57
RCI (Roughness Condition Index)	89	87	87	85	85
SCR (Surface Condition Rating)	50	49	49	35	39
Alligator Cracking Index	100	100	100	100	100
Rutting Index	65	62	62	53	56
Patching Index	100	100	100	100	100
Transverse Cracking Index	87	88	89	84	84
Longitudinal Cracking Index	98	98	98	97	98
Shoulder Condition Rating	POOR	POOR	POOR	POOR	POOR
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Pinto Basin Road

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



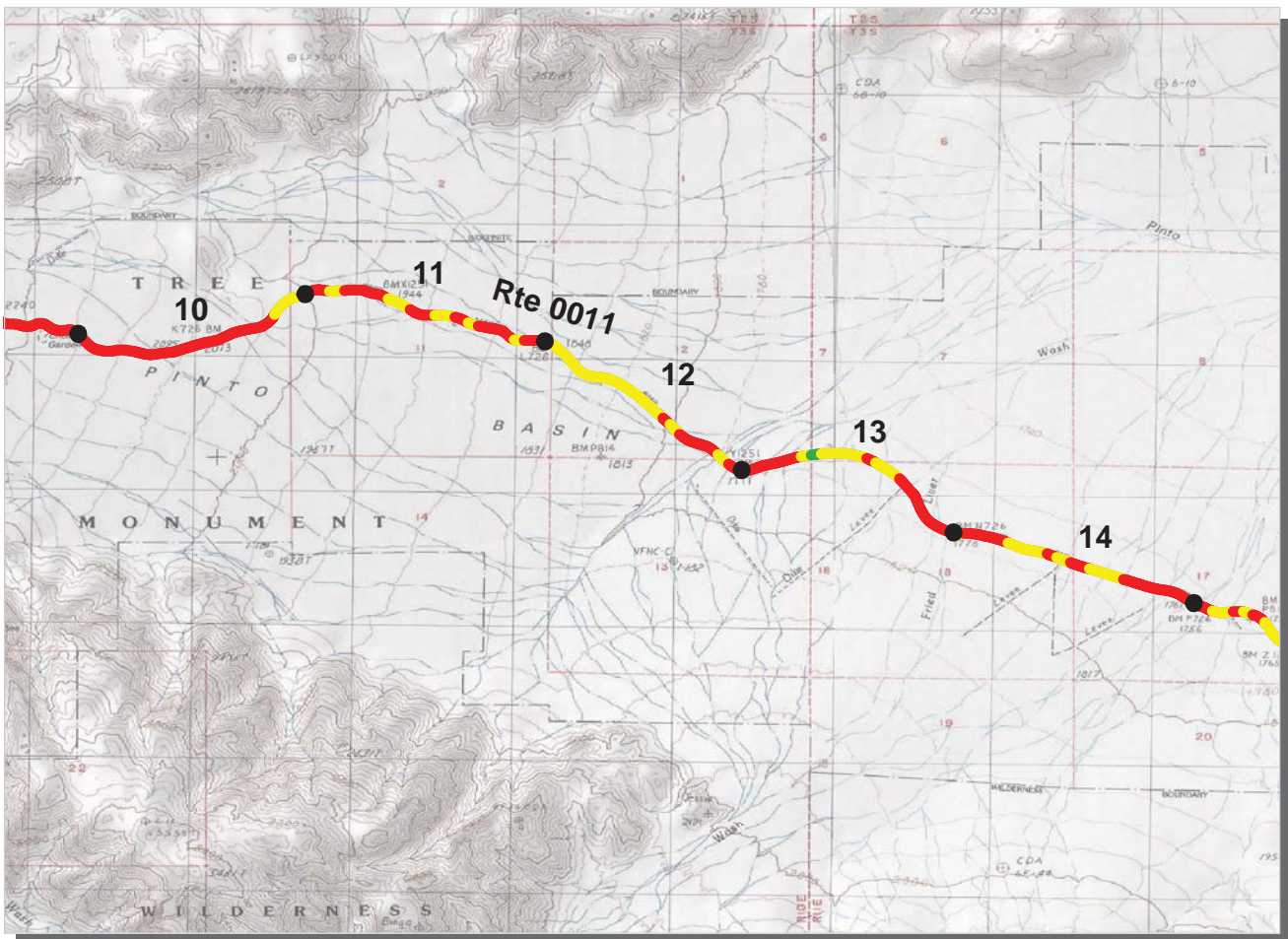
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0011 Pinto Basin Road **TOTAL LENGTH: 35.55 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	23	23	24	17	17
Lane Width (ft)	12	12	12	9	9
Shoulder Width (ft)	2	2	3	6	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	52	60	57	36	36
RCI (Roughness Condition Index)	85	88	78	74	70
SCR (Surface Condition Rating)	30	41	42	11	14
Alligator Cracking Index	100	100	97	74	85
Rutting Index	51	60	60	50	52
Patching Index	100	100	99	98	98
Transverse Cracking Index	81	83	87	81	78
Longitudinal Cracking Index	98	97	96	91	88
Shoulder Condition Rating	N/C	N/C	N/C	N/C	N/C
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0011 Pinto Basin Road

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



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

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

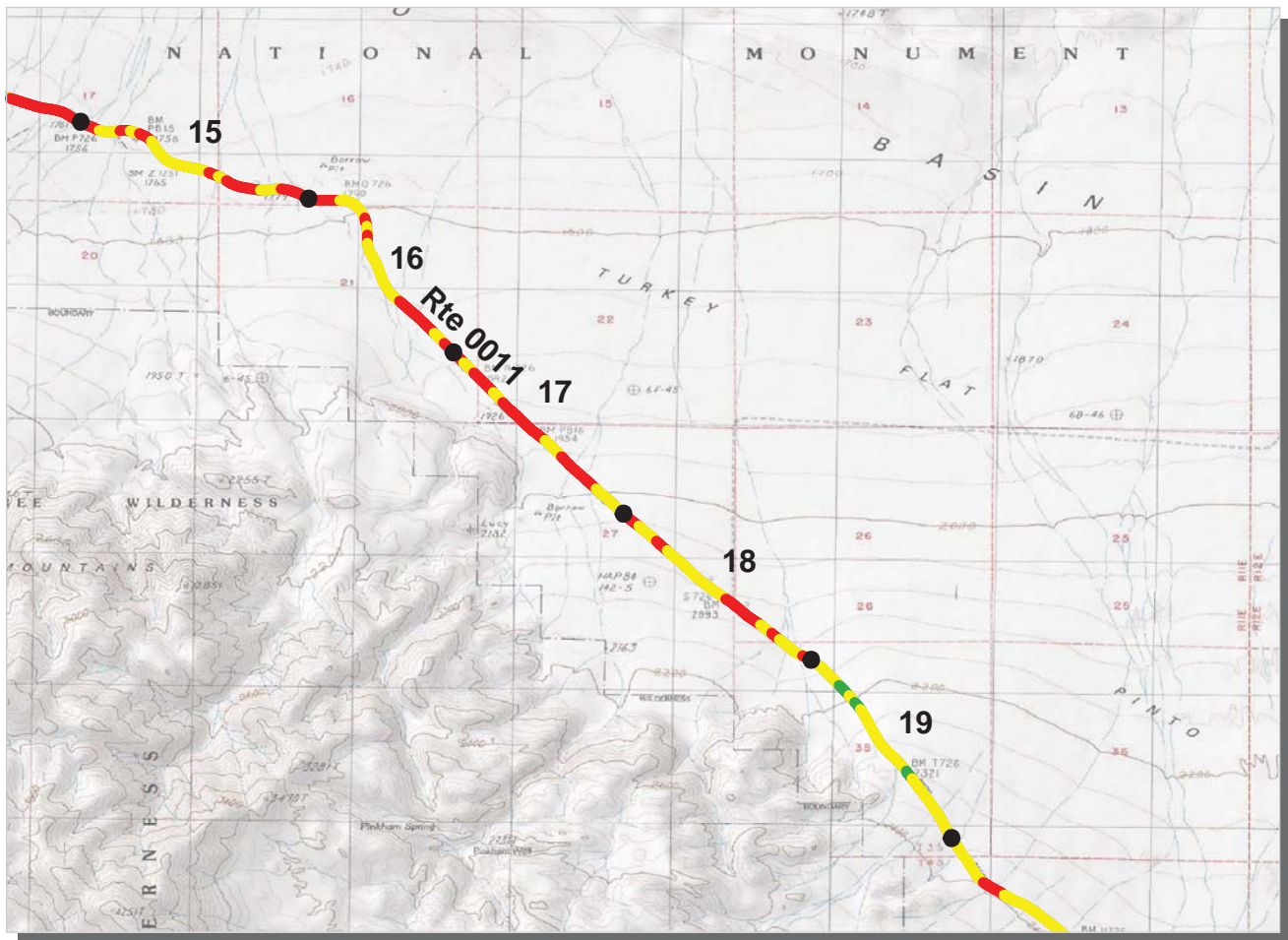
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0011 Pinto Basin Road **TOTAL LENGTH: 35.55 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	17	20	18	18	18
Lane Width (ft)	9	10	9	9	9
Shoulder Width (ft)	3	6	7	7	6
Roadway Condition Information					
PCR (Pavement Condition Rating)	40	58	66	55	58
RCI (Roughness Condition Index)	74	70	79	70	68
SCR (Surface Condition Rating)	17	50	58	46	50
Alligator Cracking Index	75	100	100	100	100
Rutting Index	55	57	72	61	62
Patching Index	99	100	100	99	99
Transverse Cracking Index	81	95	90	89	92
Longitudinal Cracking Index	88	97	94	95	95
Shoulder Condition Rating	N/C	N/C	N/C	N/C	N/C
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0011 Pinto Basin Road

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



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

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

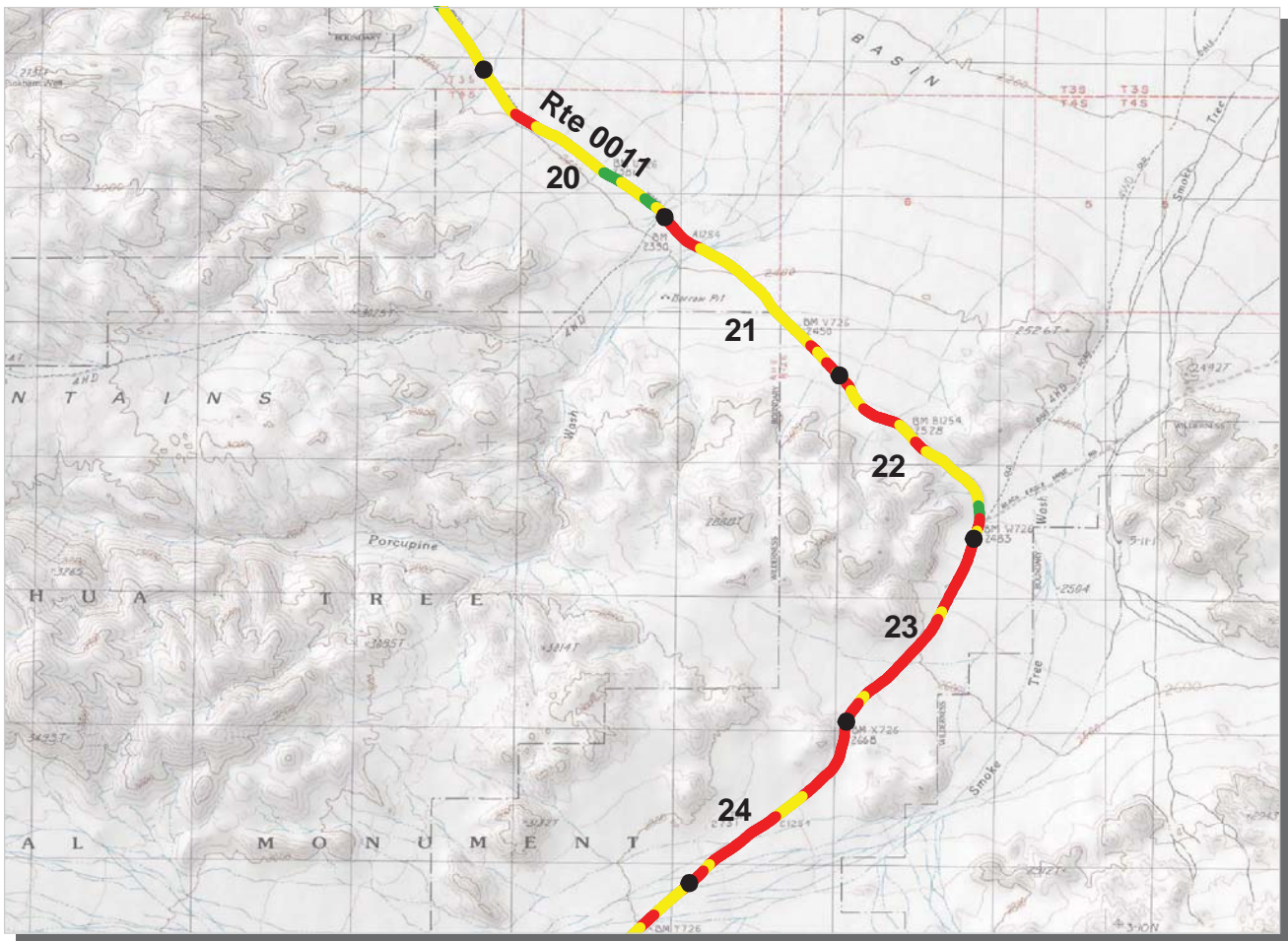
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0011 Pinto Basin Road **TOTAL LENGTH: 35.55 Miles**

Section Number	15	16	17	18	19
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	18	18	18	18	21
Lane Width (ft)	9	9	9	9	11
Shoulder Width (ft)	8	8	6	6	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	58	59	58	59	76
RCI (Roughness Condition Index)	78	75	78	74	86
SCR (Surface Condition Rating)	44	48	44	49	70
Alligator Cracking Index	100	98	99	100	100
Rutting Index	60	68	71	51	70
Patching Index	100	99	99	100	100
Transverse Cracking Index	91	89	84	99	99
Longitudinal Cracking Index	92	91	88	98	99
Shoulder Condition Rating	N/C	N/C	N/C	N/C	N/C
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0011 Pinto Basin Road

* NC designates data not collected NA designates not applicable
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PCR Poor ■ Fair ■ Good ■ Excellent ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

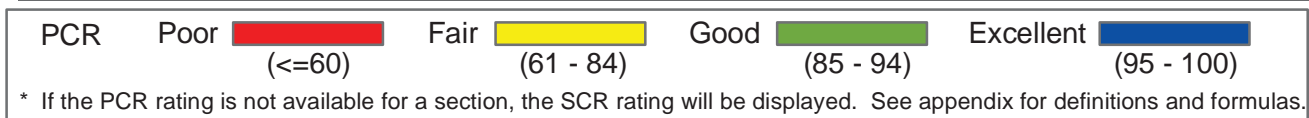
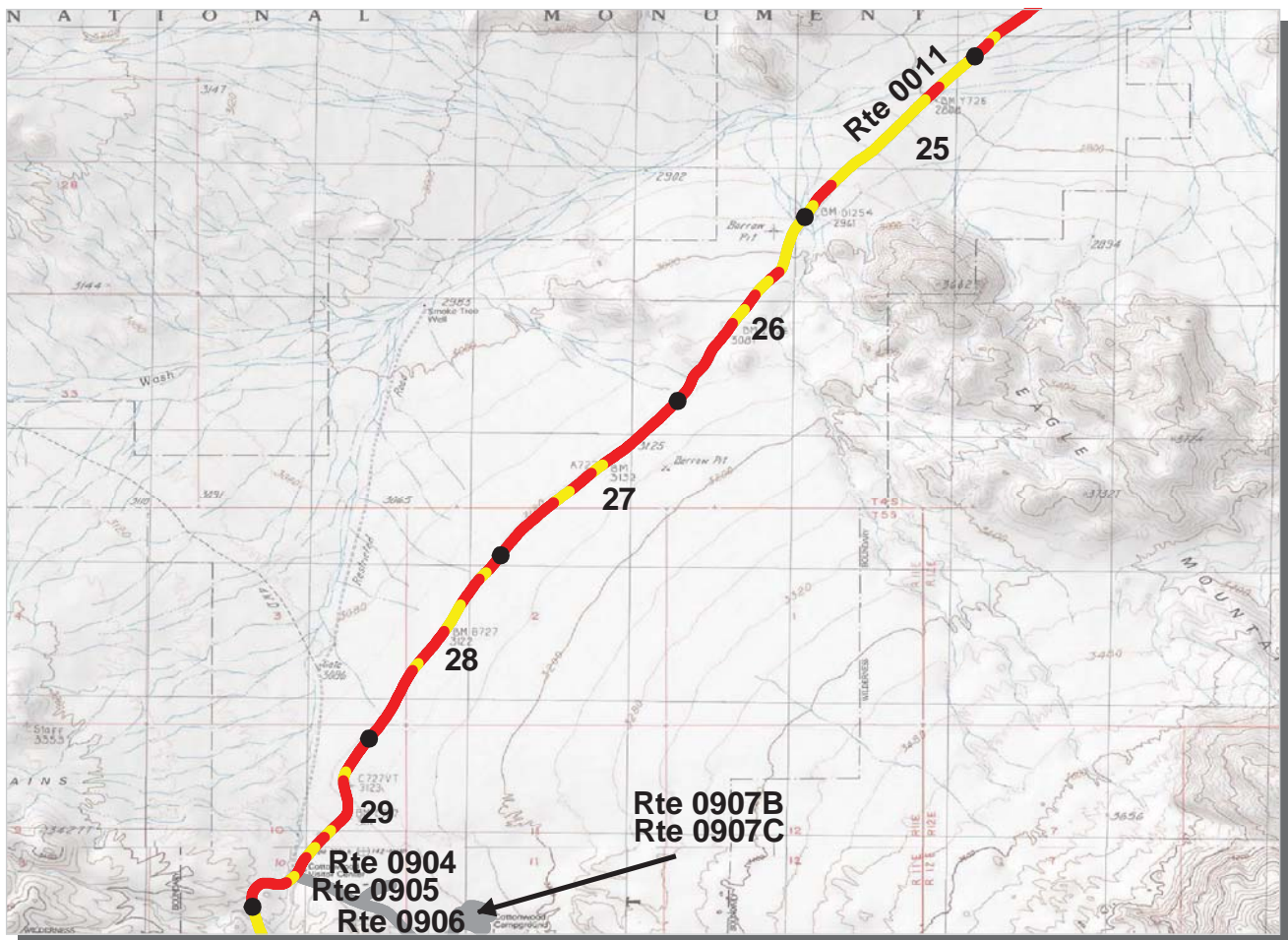
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0011 Pinto Basin Road **TOTAL LENGTH: 35.55 Miles**

Section Number	20	21	22	23	24
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	18	18	19	20	21
Lane Width (ft)	10	9	9	10	10
Shoulder Width (ft)	6	9	1	2	3
Roadway Condition Information					
PCR (Pavement Condition Rating)	69	64	65	53	50
RCI (Roughness Condition Index)	77	73	89	72	69
SCR (Surface Condition Rating)	63	59	49	40	37
Alligator Cracking Index	100	99	96	98	98
Rutting Index	64	68	78	61	69
Patching Index	100	99	99	99	99
Transverse Cracking Index	99	94	81	85	82
Longitudinal Cracking Index	99	96	91	93	87
Shoulder Condition Rating	N/C	N/C	N/C	N/C	N/C
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0011 Pinto Basin Road

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



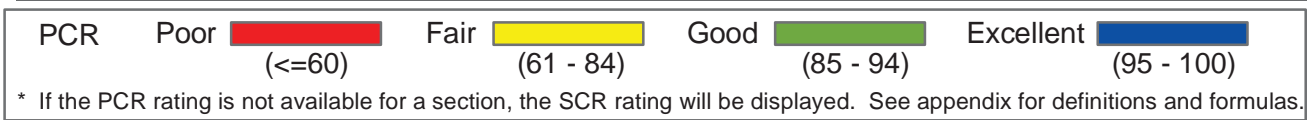
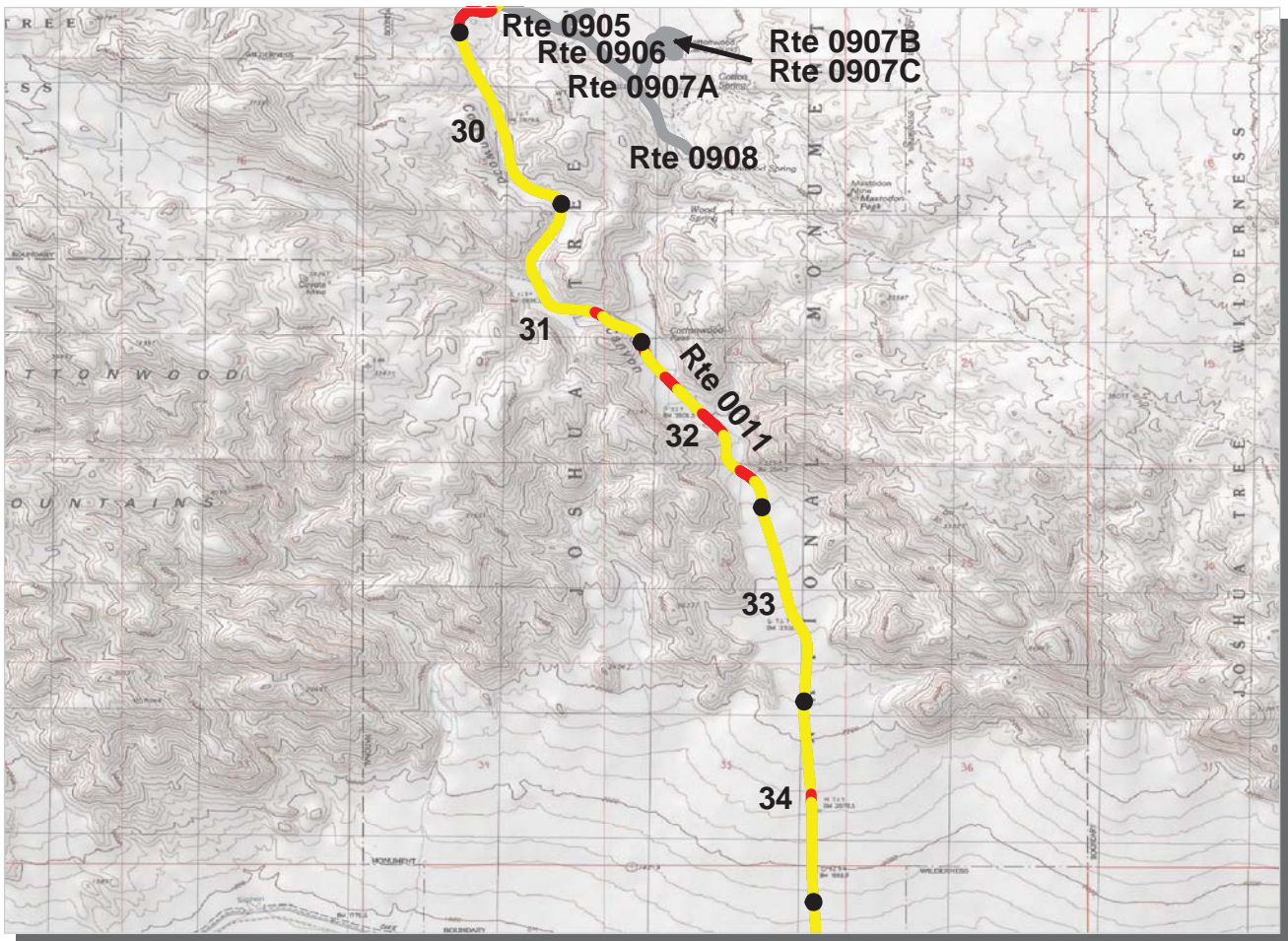
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0011 Pinto Basin Road **TOTAL LENGTH: 35.55 Miles**

Section Number	25	26	27	28	29
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	18	19	20	19
Lane Width (ft)	11	9	10	9	9
Shoulder Width (ft)	4	5	2	6	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	63	55	51	56	51
RCI (Roughness Condition Index)	83	74	77	86	71
SCR (Surface Condition Rating)	49	43	33	35	37
Alligator Cracking Index	94	94	96	98	98
Rutting Index	67	67	71	69	64
Patching Index	99	99	99	99	98
Transverse Cracking Index	92	87	81	83	84
Longitudinal Cracking Index	95	92	84	84	90
Shoulder Condition Rating	N/C	N/C	N/C	N/C	N/C
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0011 Pinto Basin Road

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



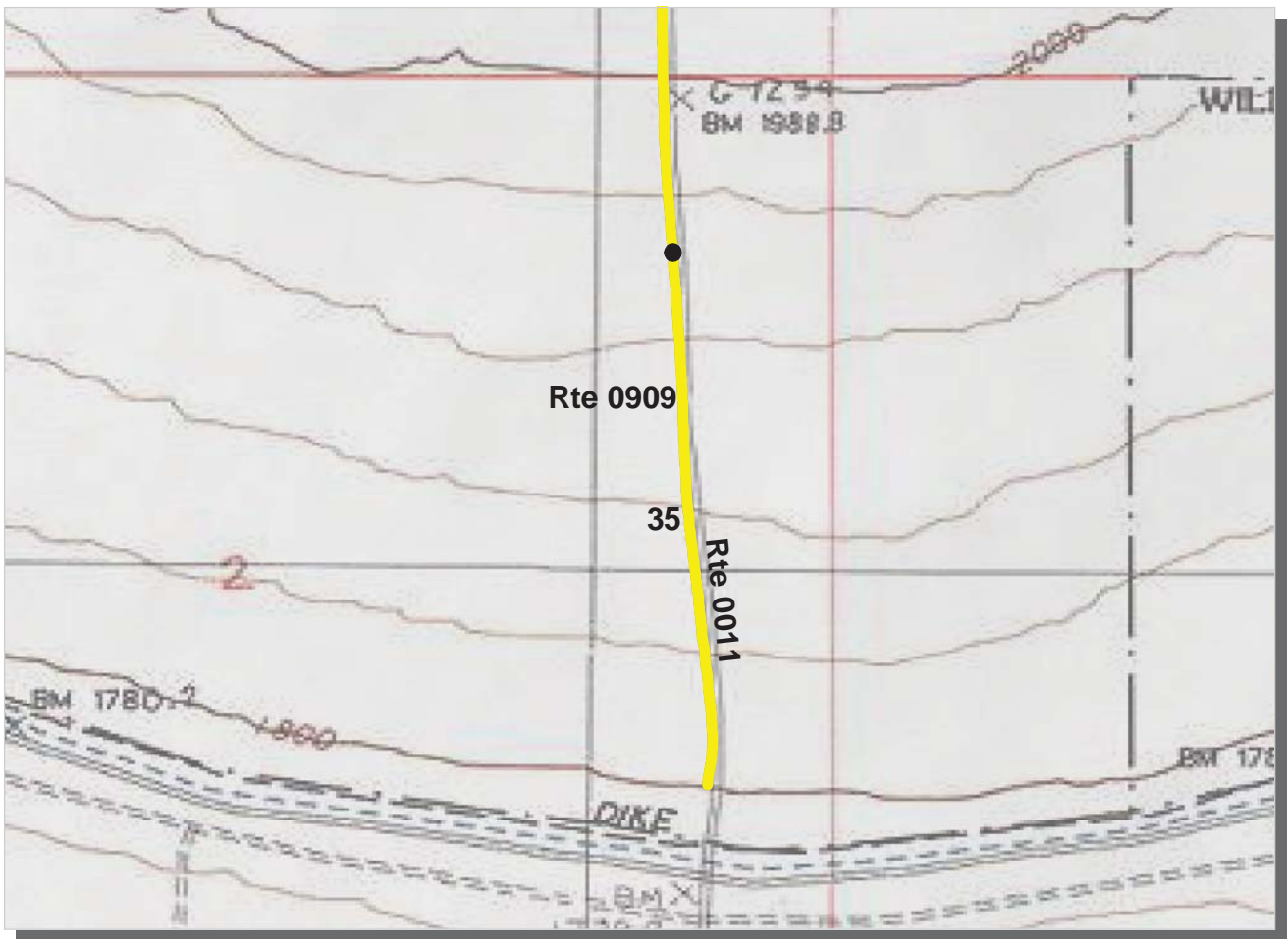
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0011 Pinto Basin Road **TOTAL LENGTH: 35.55 Miles**

Section Number	30	31	32	33	34
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	23	23	21	22
Lane Width (ft)	10	11	11	11	11
Shoulder Width (ft)	1	2	4	4	8
Roadway Condition Information					
PCR (Pavement Condition Rating)	68	69	64	70	70
RCI (Roughness Condition Index)	89	80	73	95	98
SCR (Surface Condition Rating)	54	61	59	53	51
Alligator Cracking Index	99	100	100	100	100
Rutting Index	58	63	63	57	57
Patching Index	100	100	100	100	100
Transverse Cracking Index	98	99	99	99	98
Longitudinal Cracking Index	96	98	96	96	95
Shoulder Condition Rating	N/C	N/C	N/C	N/C	N/C
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0011 Pinto Basin Road

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



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

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

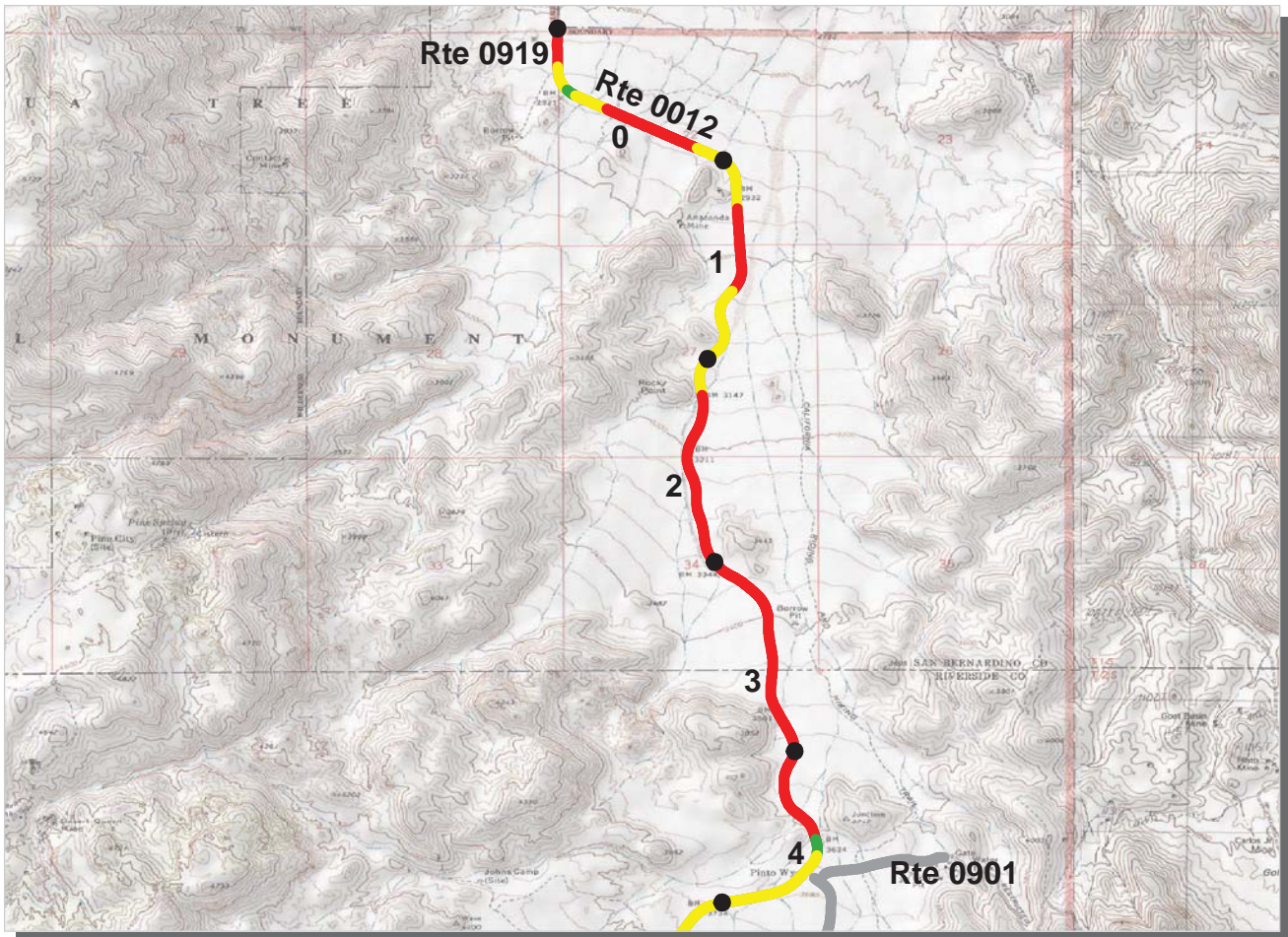
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0011 Pinto Basin Road **TOTAL LENGTH: 35.55 Miles**

Section Number	35				
Section Length (mi)	0.55				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width (ft)	2				
Roadway Condition Information					
PCR (Pavement Condition Rating)	72				
RCI (Roughness Condition Index)	99				
SCR (Surface Condition Rating)	55				
Alligator Cracking Index	100				
Rutting Index	61				
Patching Index	100				
Transverse Cracking Index	98				
Longitudinal Cracking Index	95				
Shoulder Condition Rating	N/C				
Drainage Condition Rating	N/C				

ROUTE: 0011 Pinto Basin Road

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



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

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

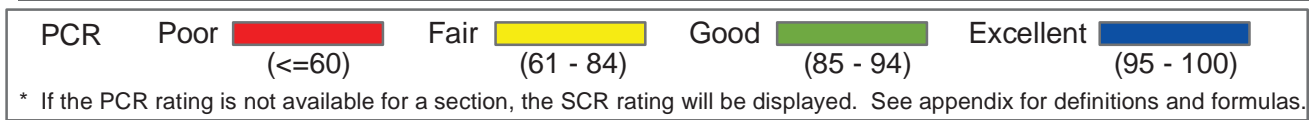
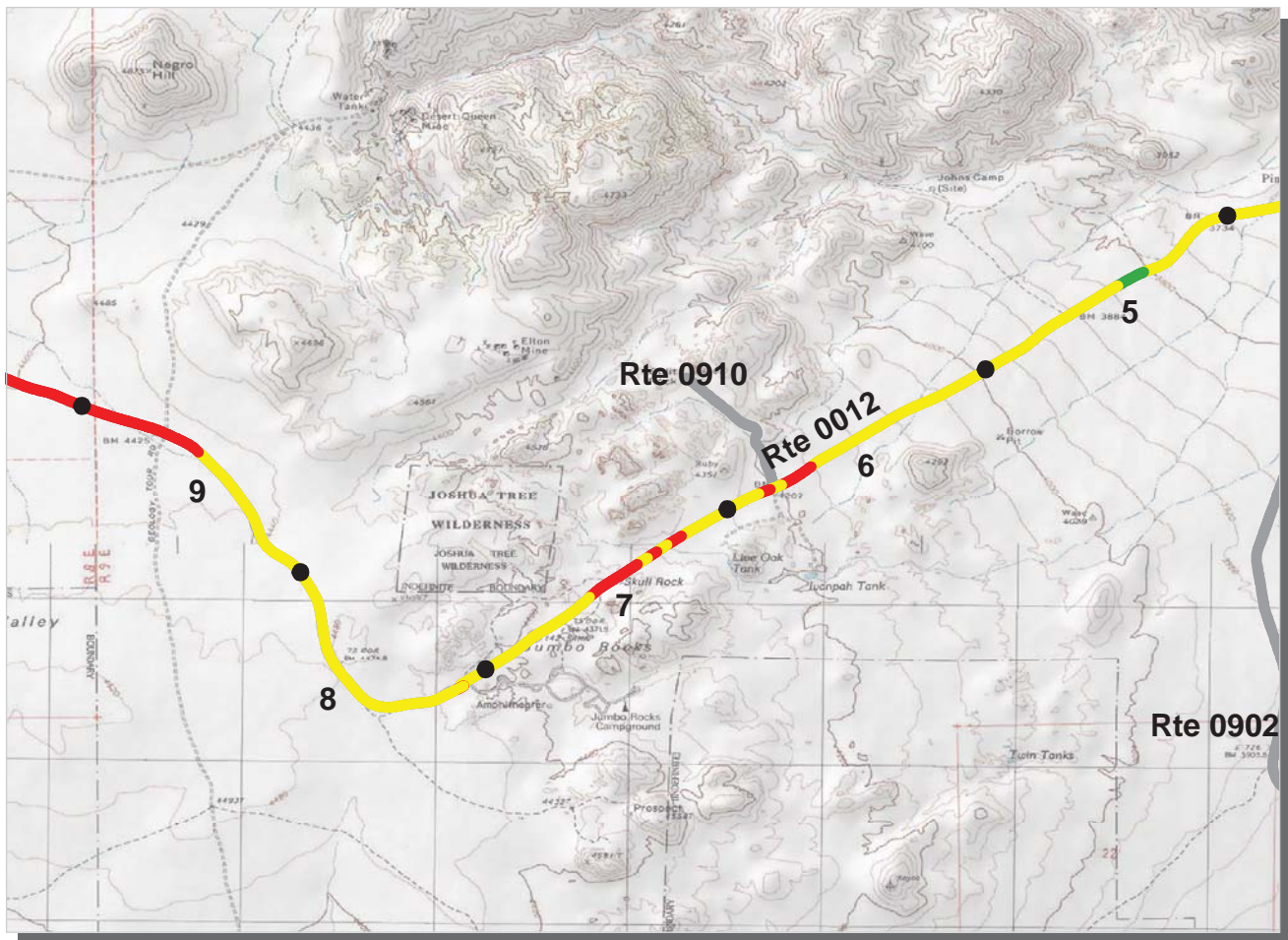
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0012 East-West Highway **TOTAL LENGTH: 25.48 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	24	23	19	22
Lane Width (ft)	11	12	12	9	11
Shoulder Width (ft)	0	2	2	4	6
Roadway Condition Information					
PCR (Pavement Condition Rating)	49	54	41	26	49
RCI (Roughness Condition Index)	80	78	83	67	67
SCR (Surface Condition Rating)	33	38	14	0	37
Alligator Cracking Index	94	81	83	44	64
Rutting Index	58	61	39	35	53
Patching Index	95	95	91	88	90
Transverse Cracking Index	84	89	74	79	95
Longitudinal Cracking Index	93	95	88	90	97
Shoulder Condition Rating	N/A	POOR	POOR	POOR	POOR
Drainage Condition Rating	POOR	POOR	POOR	POOR	POOR

ROUTE: 0012 East-West Highway

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



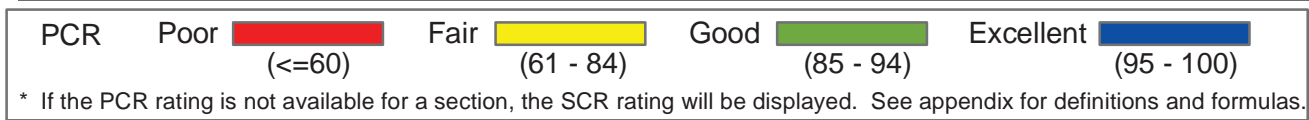
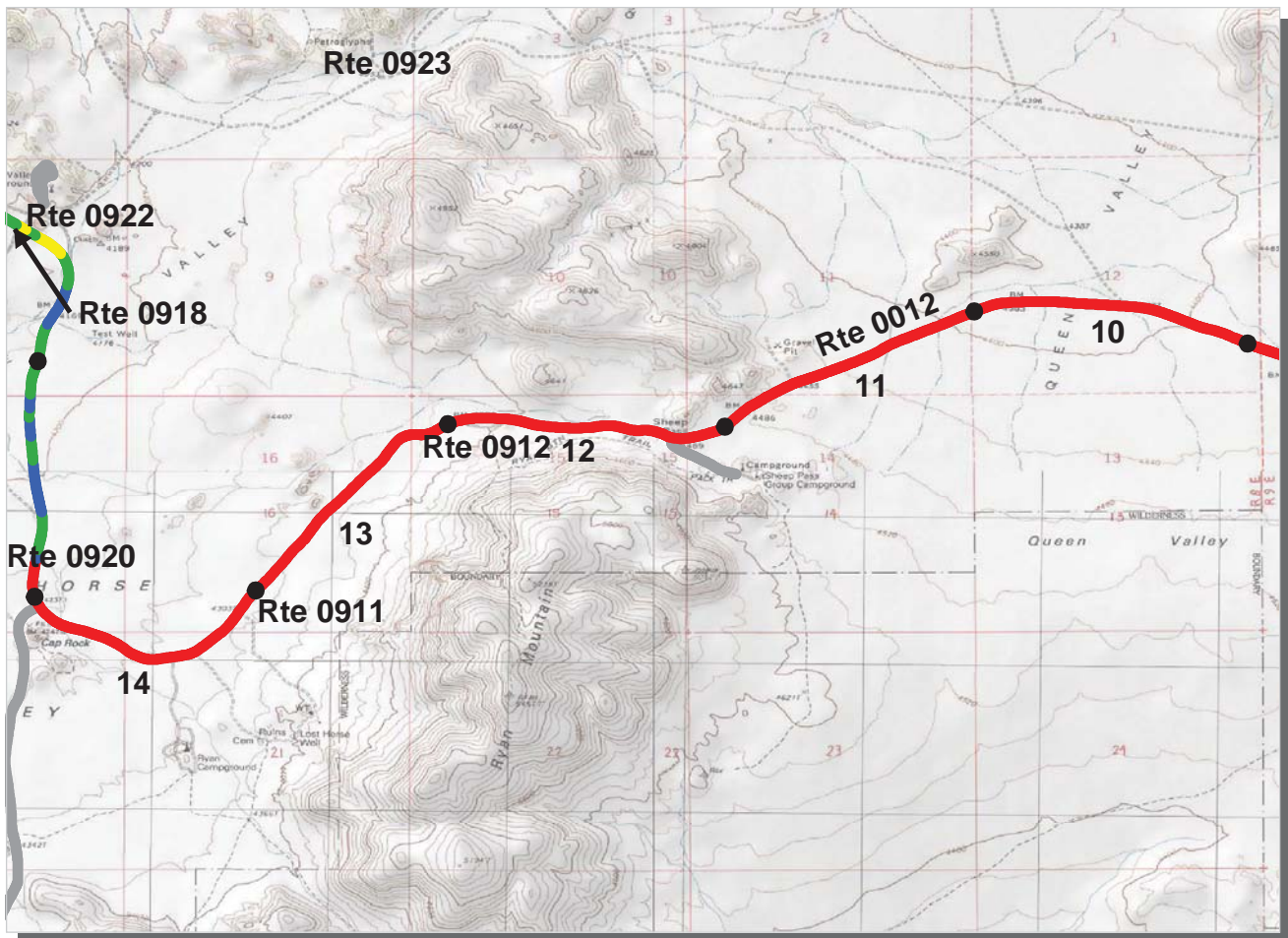
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0012 East-West Highway **TOTAL LENGTH: 25.48 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	23	24	24	24	24
Lane Width (ft)	11	13	12	11	13
Shoulder Width (ft)	5	4	4	4	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	74	62	63	66	47
RCI (Roughness Condition Index)	95	96	88	94	74
SCR (Surface Condition Rating)	59	39	46	48	29
Alligator Cracking Index	100	100	100	100	84
Rutting Index	62	40	46	49	44
Patching Index	99	100	100	100	99
Transverse Cracking Index	99	99	99	99	92
Longitudinal Cracking Index	98	99	99	99	96
Shoulder Condition Rating	POOR	POOR	POOR	POOR	POOR
Drainage Condition Rating	POOR	POOR	POOR	POOR	POOR

ROUTE: 0012 East-West Highway

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



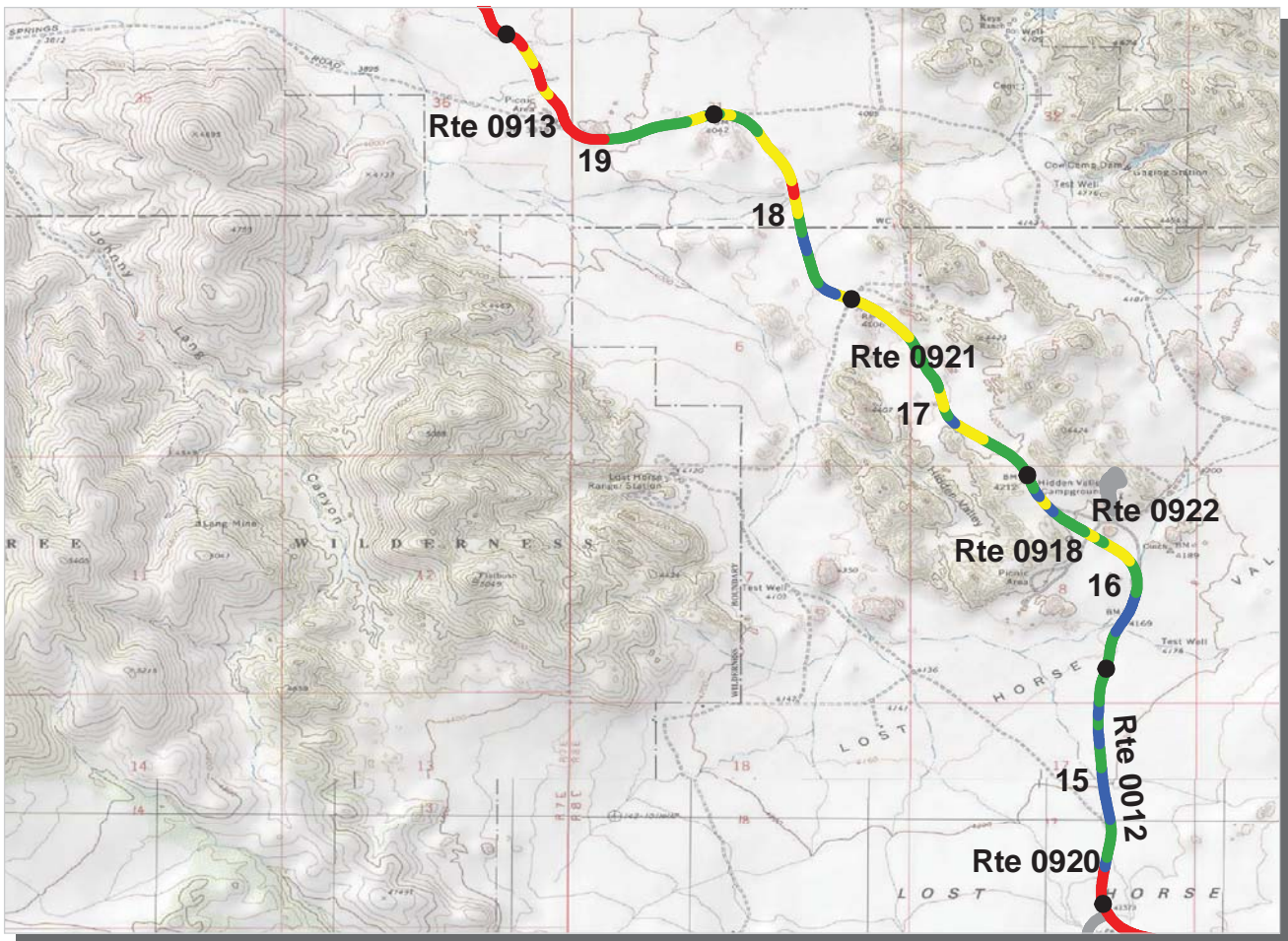
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0012 East-West Highway **TOTAL LENGTH: 25.48 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	18	18	19	17	20
Lane Width (ft)	8	9	9	9	10
Shoulder Width (ft)	5	5	4	6	4
Roadway Condition Information					
PCR (Pavement Condition Rating)	31	27	27	30	25
RCI (Roughness Condition Index)	64	56	63	59	42
SCR (Surface Condition Rating)	9	8	6	11	14
Alligator Cracking Index	96	98	90	90	65
Rutting Index	41	50	44	41	45
Patching Index	99	98	98	98	99
Transverse Cracking Index	77	74	81	88	86
Longitudinal Cracking Index	82	81	86	88	90
Shoulder Condition Rating	POOR	POOR	POOR	POOR	POOR
Drainage Condition Rating	POOR	POOR	POOR	POOR	POOR

ROUTE: 0012 East-West Highway

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



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

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

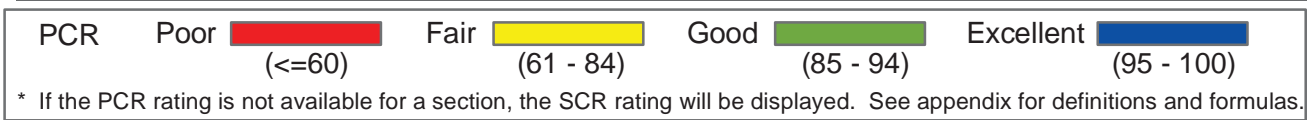
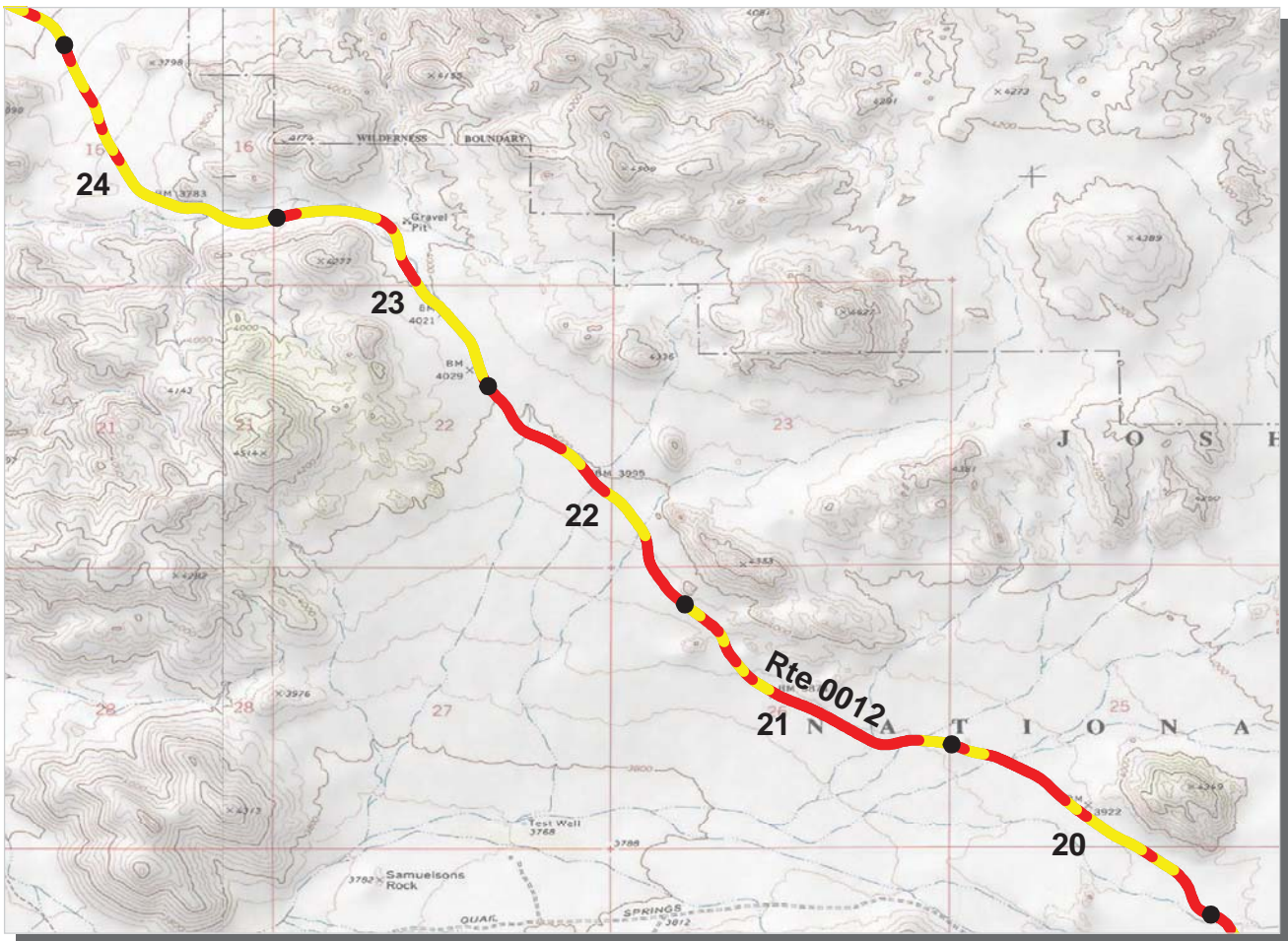
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0012 East-West Highway **TOTAL LENGTH: 25.48 Miles**

Section Number	15	16	17	18	19
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	19	20	19	19
Lane Width (ft)	12	10	10	10	10
Shoulder Width (ft)	6	5	2	2	3
Roadway Condition Information					
PCR (Pavement Condition Rating)	83	89	83	82	70
RCI (Roughness Condition Index)	87	97	97	92	93
SCR (Surface Condition Rating)	80	84	73	75	55
Alligator Cracking Index	97	100	100	100	100
Rutting Index	88	84	73	75	59
Patching Index	100	100	100	100	100
Transverse Cracking Index	96	100	100	100	97
Longitudinal Cracking Index	98	100	100	100	98
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0012 East-West Highway

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



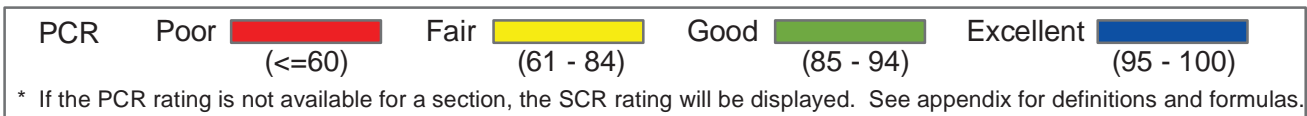
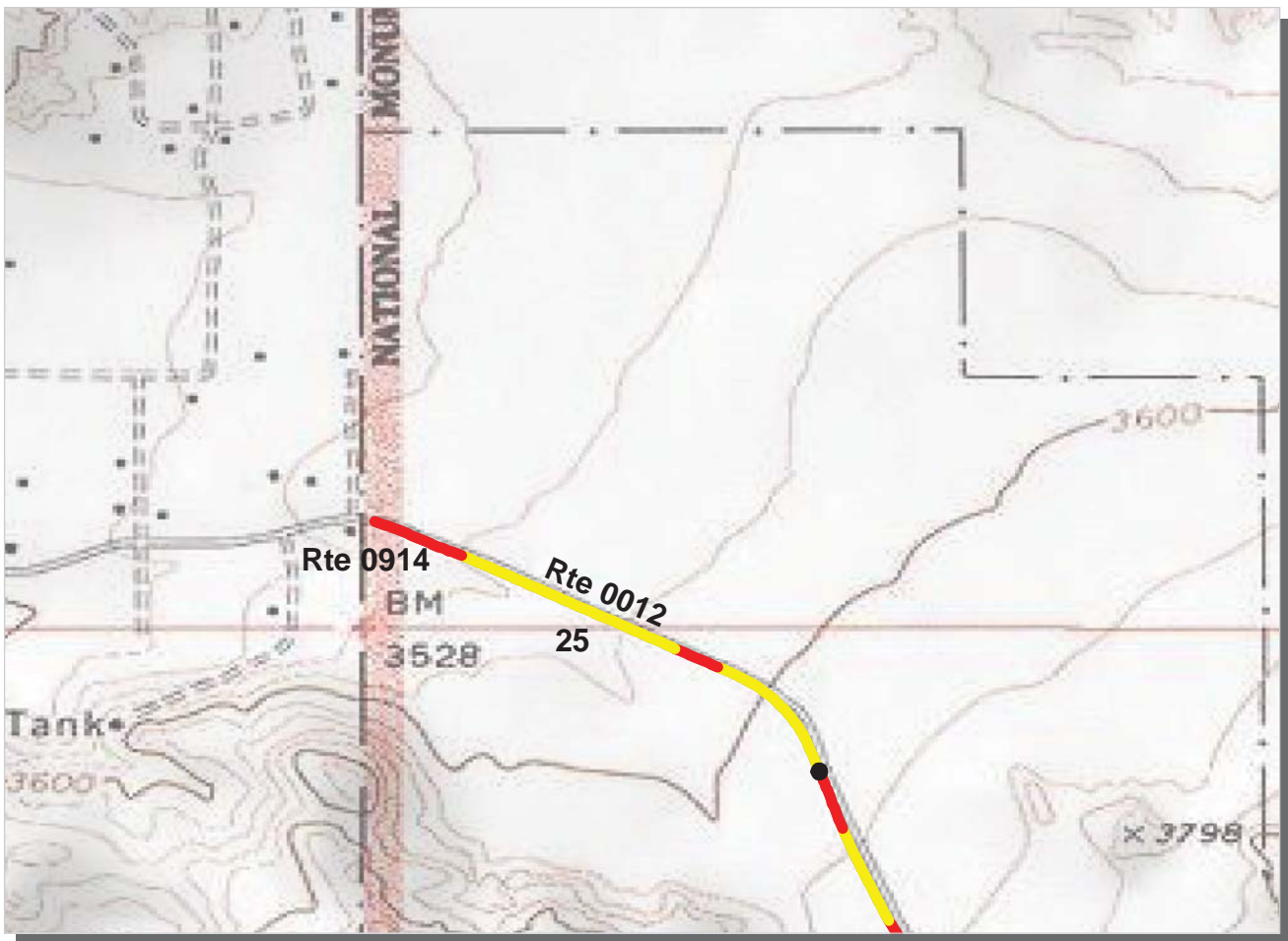
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0012 East-West Highway **TOTAL LENGTH: 25.48 Miles**

Section Number	20	21	22	23	24
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	24	24	30
Lane Width (ft)	12	11	11	12	12
Shoulder Width (ft)	5	4	4	3	4
Roadway Condition Information					
PCR (Pavement Condition Rating)	59	57	58	61	63
RCI (Roughness Condition Index)	93	90	93	96	94
SCR (Surface Condition Rating)	35	35	35	38	42
Alligator Cracking Index	100	100	100	100	100
Rutting Index	43	41	41	44	47
Patching Index	100	100	100	100	100
Transverse Cracking Index	95	96	96	95	96
Longitudinal Cracking Index	97	97	97	98	97
Shoulder Condition Rating	POOR	POOR	POOR	POOR	POOR
Drainage Condition Rating	POOR	POOR	POOR	POOR	POOR

ROUTE: 0012 East-West Highway

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



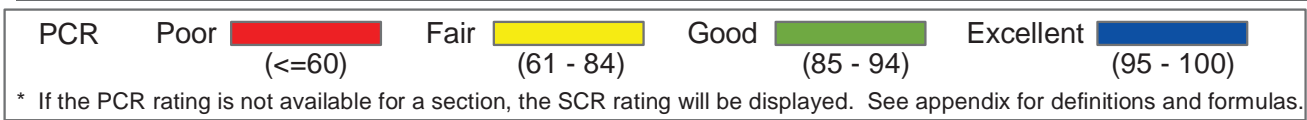
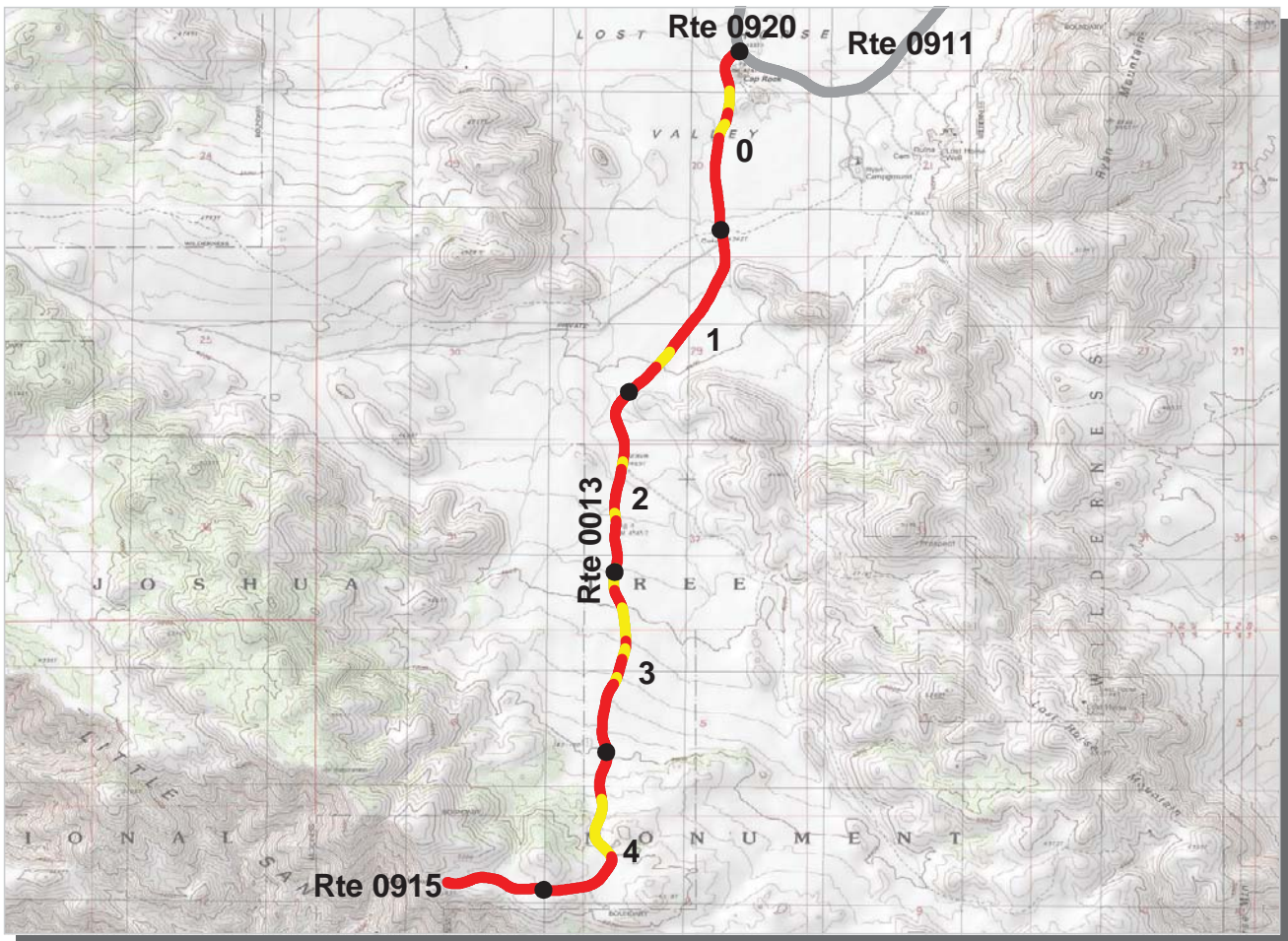
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0012 East-West Highway **TOTAL LENGTH: 25.48 Miles**

Section Number	25				
Section Length (mi)	0.48				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	12				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	58				
RCI (Roughness Condition Index)	95				
SCR (Surface Condition Rating)	41				
Alligator Cracking Index	100				
Rutting Index	46				
Patching Index	100				
Transverse Cracking Index	97				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	POOR				
Drainage Condition Rating	POOR				

ROUTE: 0012 East-West Highway

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



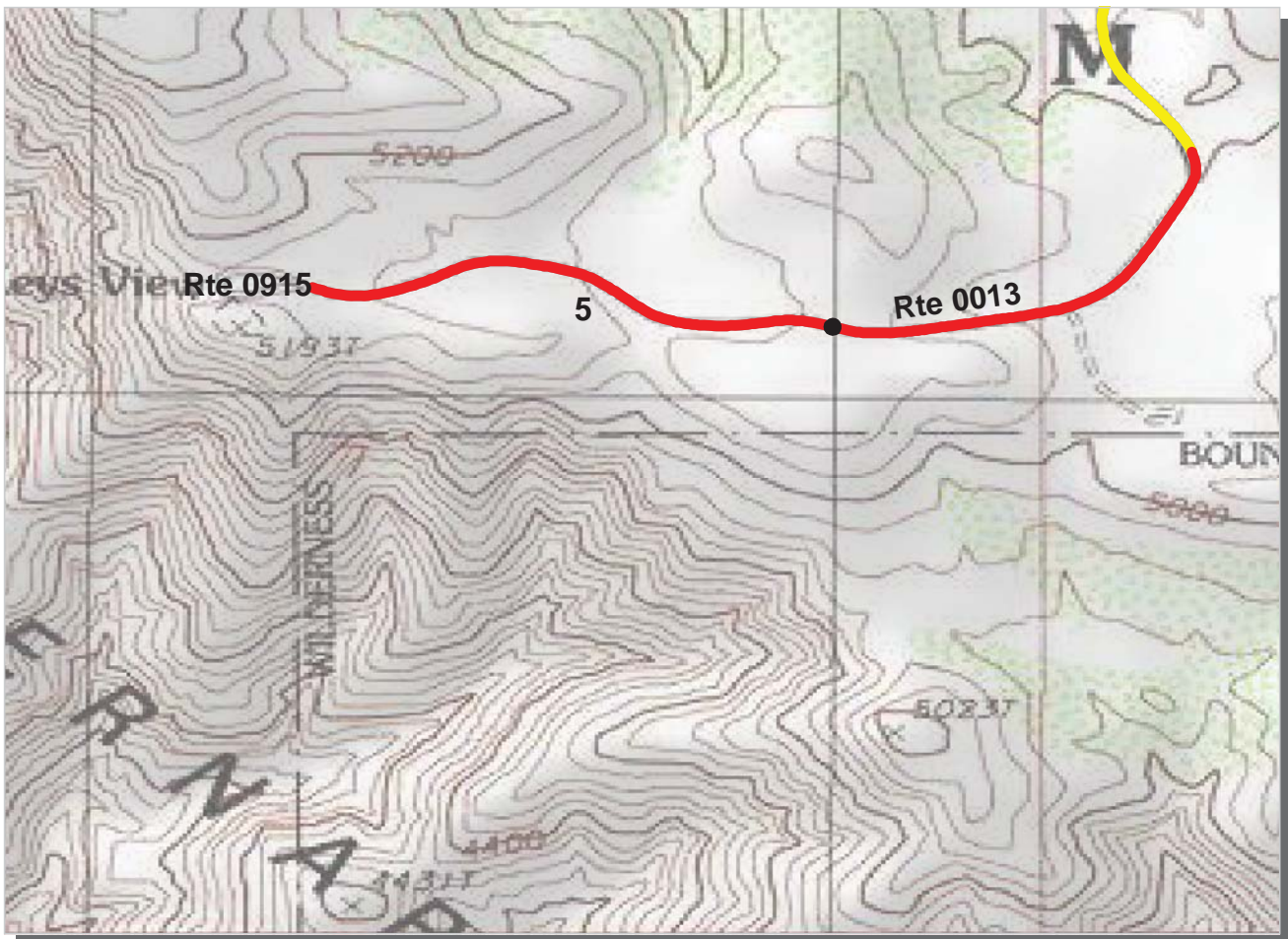
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0013 Key's View Road **TOTAL LENGTH: 5.48 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	18	19	18	20
Lane Width (ft)	10	9	10	9	10
Shoulder Width (ft)	3	3	4	5	4
Roadway Condition Information					
PCR (Pavement Condition Rating)	35	36	49	44	27
RCI (Roughness Condition Index)	62	55	70	78	58
SCR (Surface Condition Rating)	27	24	35	30	29
Alligator Cracking Index	73	89	96	78	57
Rutting Index	59	59	55	52	52
Patching Index	98	99	100	98	97
Transverse Cracking Index	88	84	87	93	95
Longitudinal Cracking Index	93	90	93	96	95
Shoulder Condition Rating	POOR	POOR	POOR	POOR	POOR
Drainage Condition Rating	POOR	POOR	POOR	POOR	POOR

ROUTE: 0013 Key's View Road

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



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

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

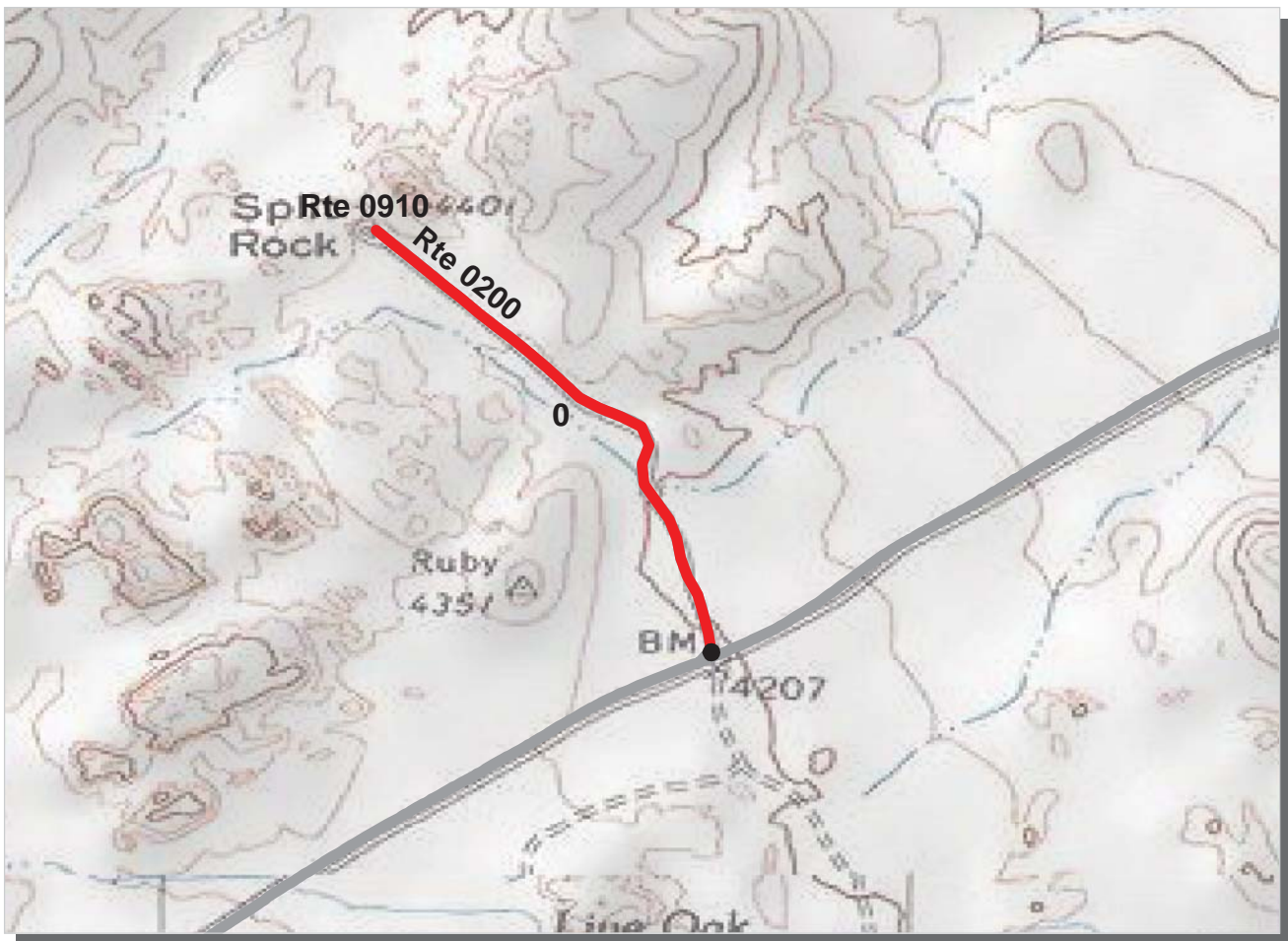
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0013 Key's View Road **TOTAL LENGTH: 5.48 Miles**

Section Number	5			
Section Length (mi)	0.48			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	19			
Lane Width (ft)	9			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	6			
RCI (Roughness Condition Index)	62			
SCR (Surface Condition Rating)	5			
Alligator Cracking Index	16			
Rutting Index	24			
Patching Index	96			
Transverse Cracking Index	95			
Longitudinal Cracking Index	97			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	POOR			

ROUTE: 0013 Key's View Road

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



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

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

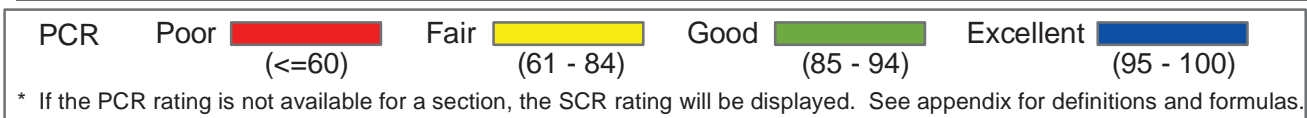
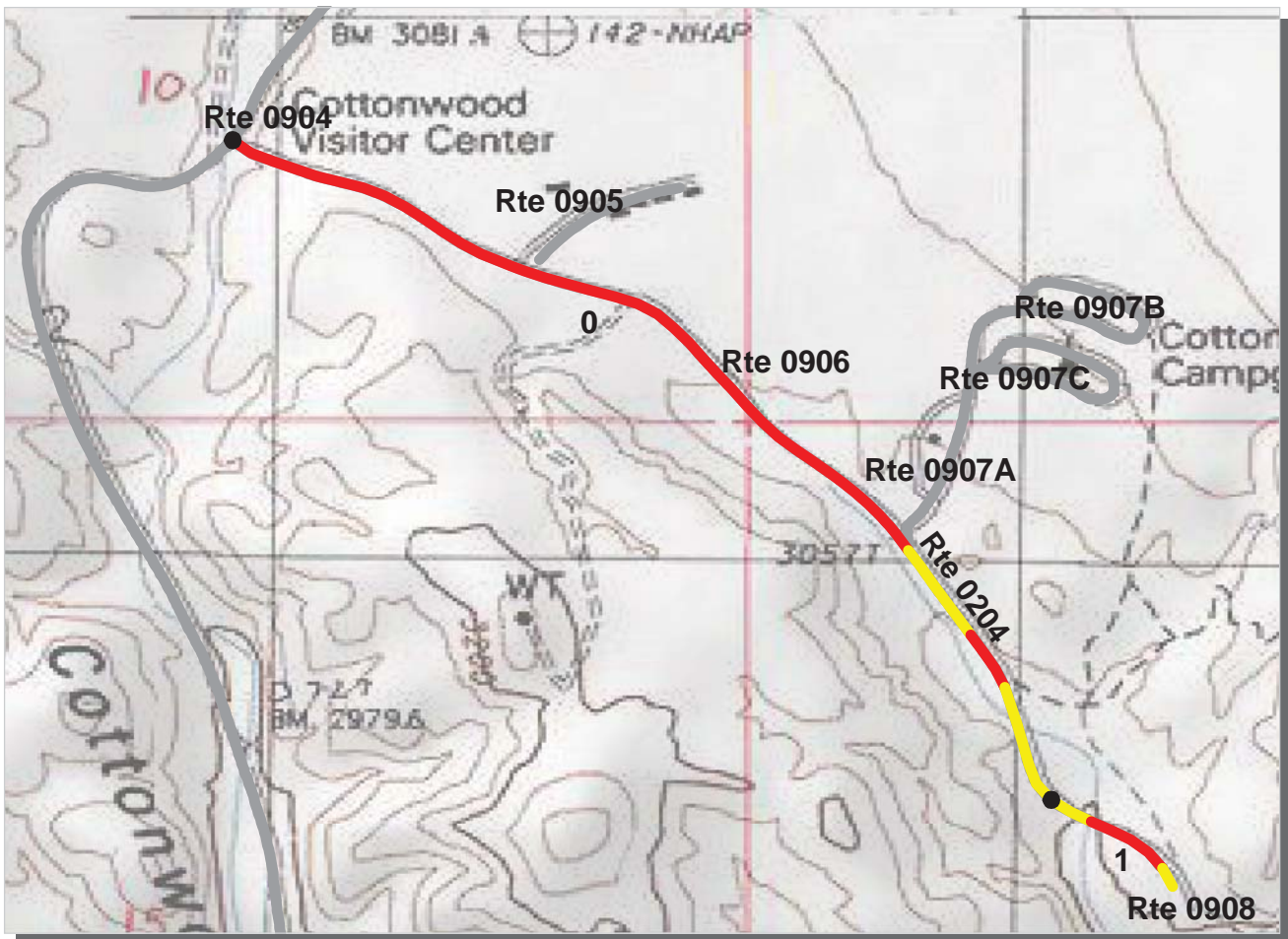
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0200 Split Rock Road **TOTAL LENGTH: 0.55 Miles**

Section Number	0				
Section Length (mi)	0.55				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	9				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	3				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	3				
Alligator Cracking Index	86				
Rutting Index	15				
Patching Index	94				
Transverse Cracking Index	72				
Longitudinal Cracking Index	83				
Shoulder Condition Rating	POOR				
Drainage Condition Rating	GOOD				

ROUTE: 0200 Split Rock Road

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



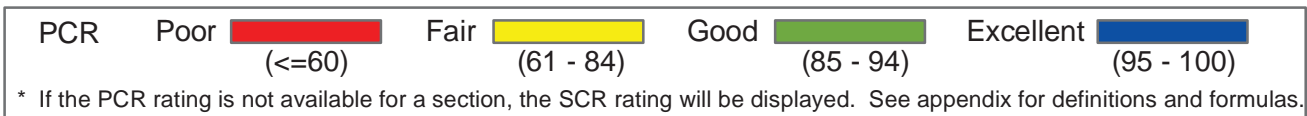
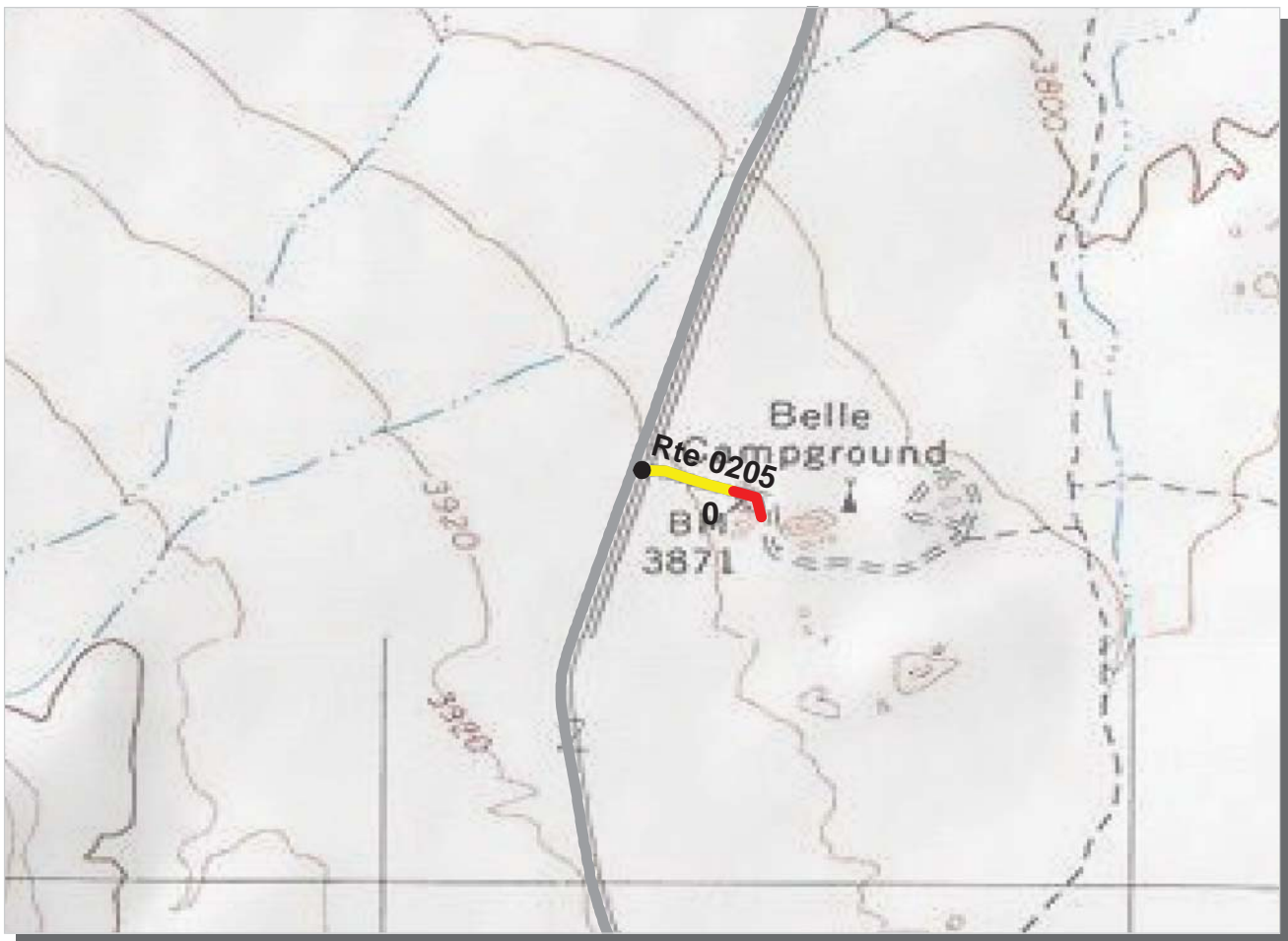
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0204 Cottonwood Springs Campground & Trailhead TOTAL LENGTH: 1.15 Miles

Section Number	0	1			
Section Length (mi)	1.00	0.15			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	25	27			
Lane Width (ft)	12	12			
Shoulder Width (ft)	4	0			
Roadway Condition Information					
PCR (Pavement Condition Rating)	43	56			
RCI (Roughness Condition Index)	68	47			
SCR (Surface Condition Rating)	32	59			
Alligator Cracking Index	90	100			
Rutting Index	64	75			
Patching Index	96	100			
Transverse Cracking Index	86	90			
Longitudinal Cracking Index	88	93			
Shoulder Condition Rating	POOR	N/A			
Drainage Condition Rating	GOOD	GOOD			

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

ROUTE: 0204 Cottonwood Springs Campground & Trailhead



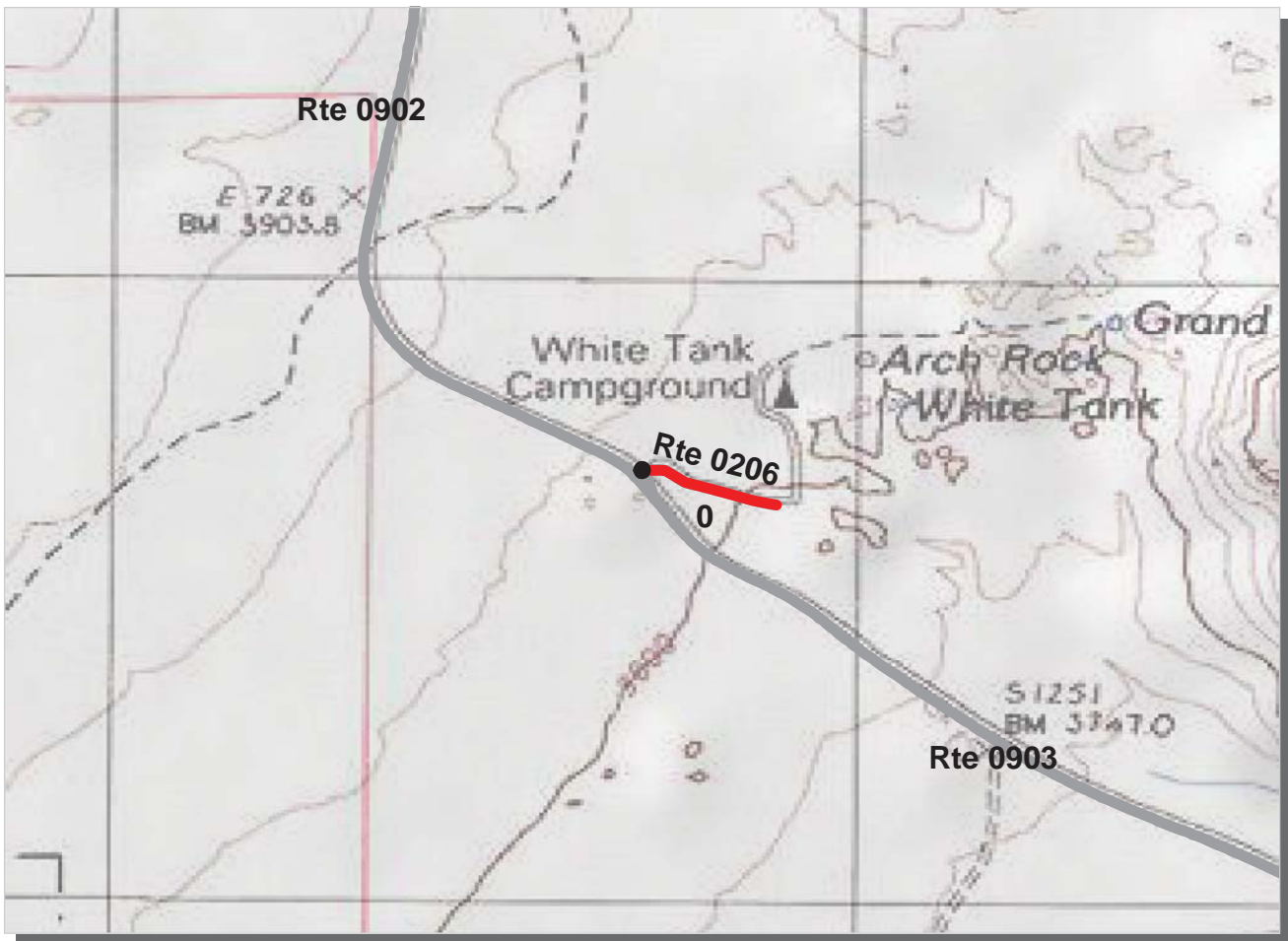
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0205 Belle Campground Road **TOTAL LENGTH: 0.13 Miles**

Section Number	0				
Section Length (mi)	0.13				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	2				
Roadway Condition Information					
PCR (Pavement Condition Rating)	53				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	53				
Alligator Cracking Index	100				
Rutting Index	66				
Patching Index	100				
Transverse Cracking Index	87				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	POOR				
Drainage Condition Rating	GOOD				

ROUTE: 0205 Belle Campground Road

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



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

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

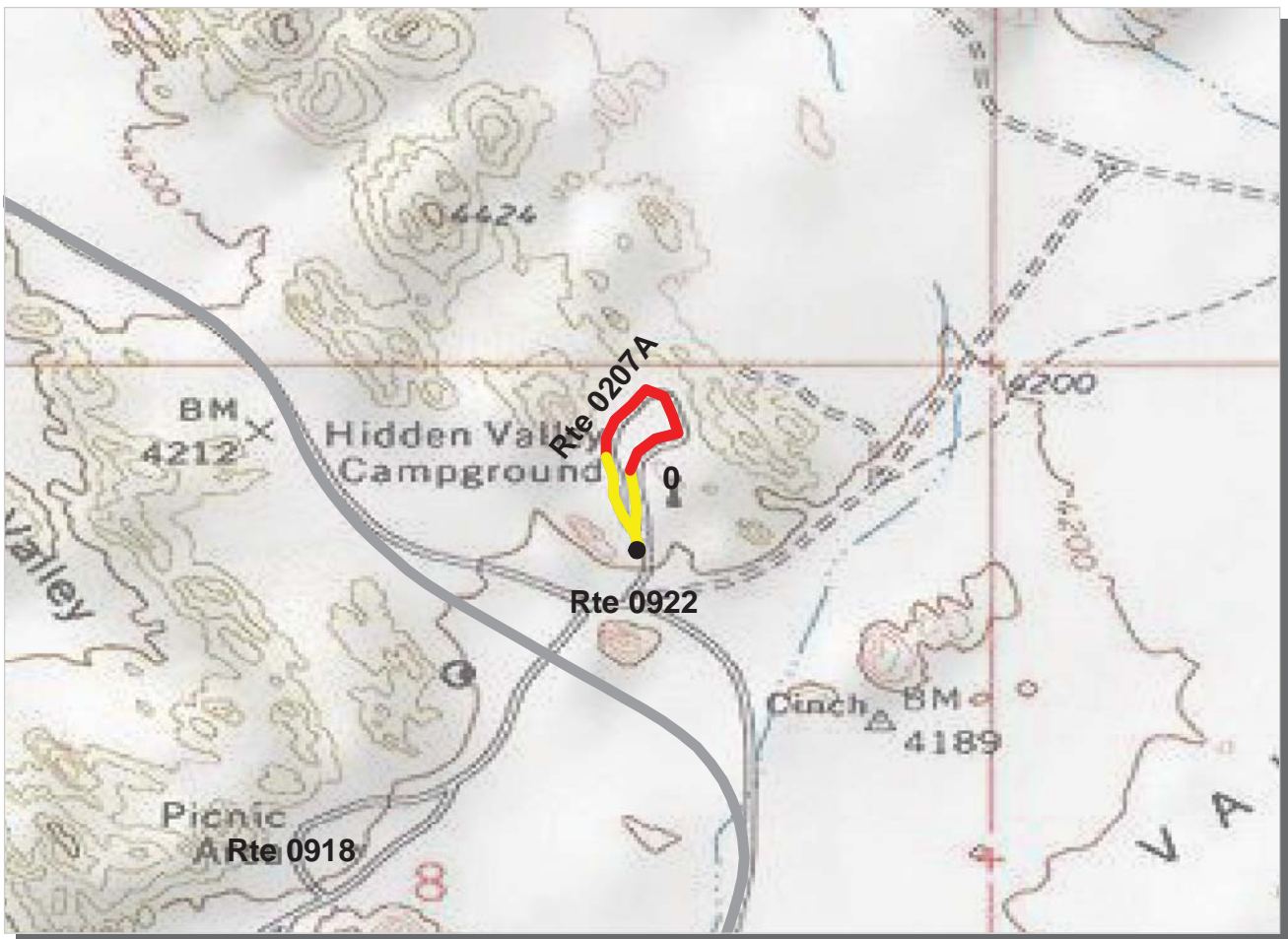
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0206 White Tank Campground Road **TOTAL LENGTH: 0.14 Miles**

Section Number	0				
Section Length (mi)	0.14				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	53				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	53				
Alligator Cracking Index	100				
Rutting Index	65				
Patching Index	100				
Transverse Cracking Index	89				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0206 White Tank Campground Road

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



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

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

Pacific West Region

JOTR : Joshua Tree National Park

ROUTE: 0207A Hidden Valley Campground

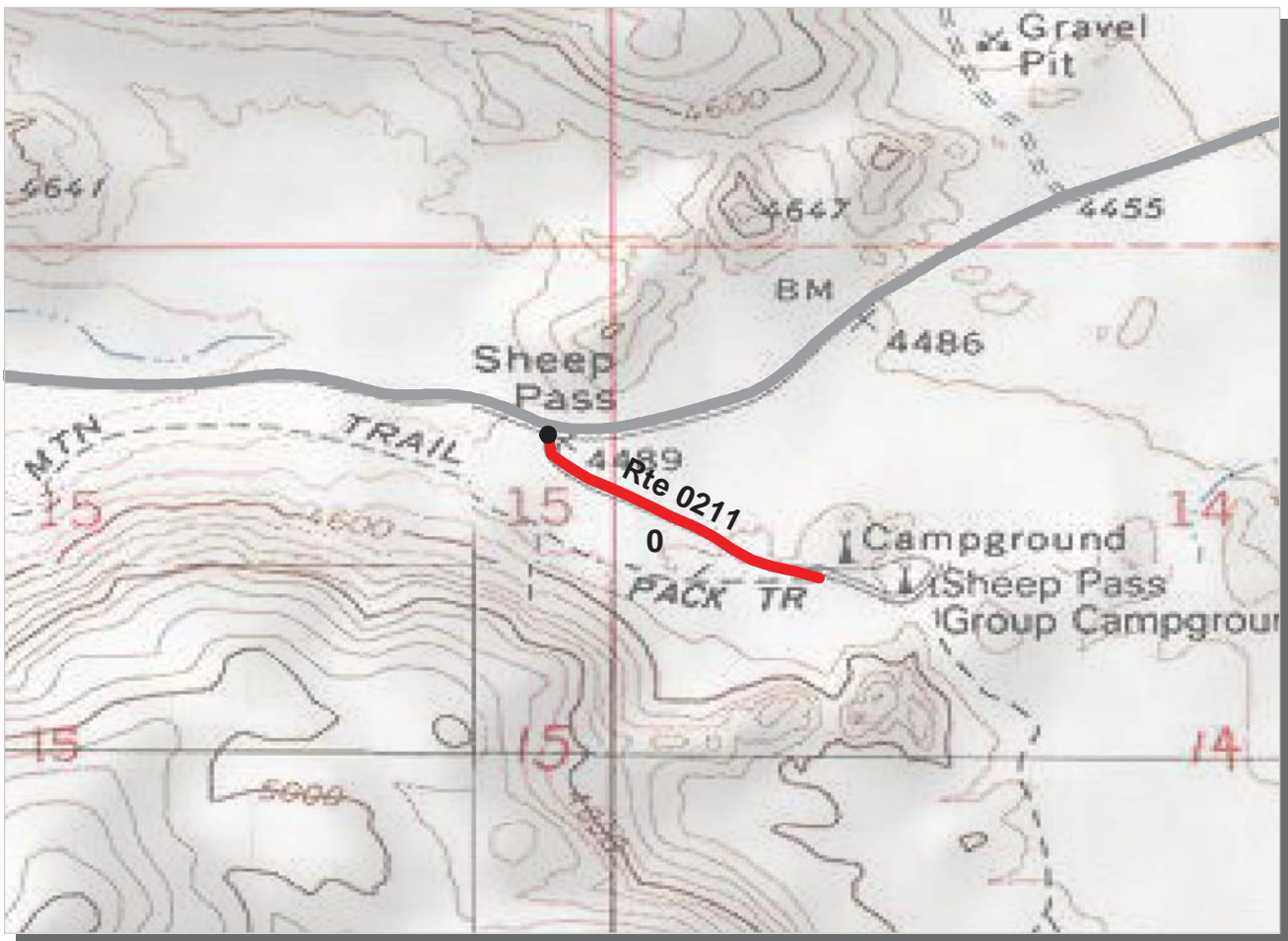
TOTAL LENGTH: 0.39 Miles

Section Number	0				
Section Length (mi)	0.39				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	60				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	60				
Alligator Cracking Index	100				
Rutting Index	67				
Patching Index	100				
Transverse Cracking Index	94				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0207A Hidden Valley Campground

* NC designates data not collected NA designates not applicable

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



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

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

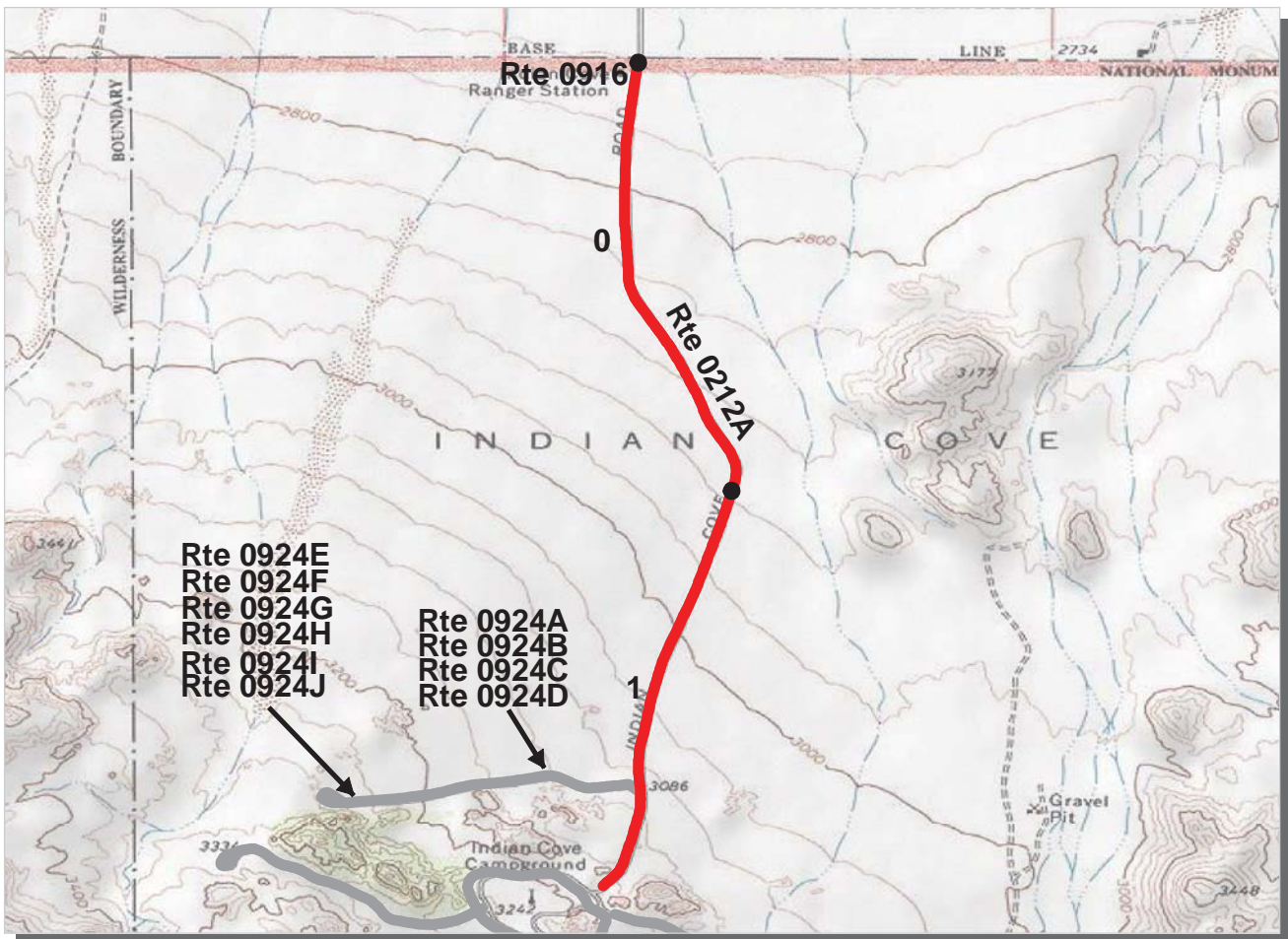
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0211 Sheep Pass Campground Road **TOTAL LENGTH: 0.30 Miles**

Section Number	0				
Section Length (mi)	0.30				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	8				
Shoulder Width (ft)	1				
Roadway Condition Information					
PCR (Pavement Condition Rating)	17				
RCI (Roughness Condition Index)	62				
SCR (Surface Condition Rating)	7				
Alligator Cracking Index	57				
Rutting Index	56				
Patching Index	98				
Transverse Cracking Index	88				
Longitudinal Cracking Index	89				
Shoulder Condition Rating	POOR				
Drainage Condition Rating	POOR				

ROUTE: 0211 Sheep Pass Campground Road

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



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

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

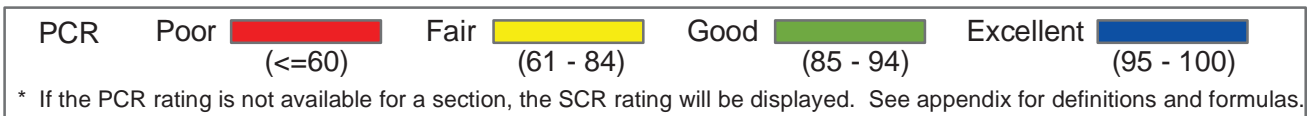
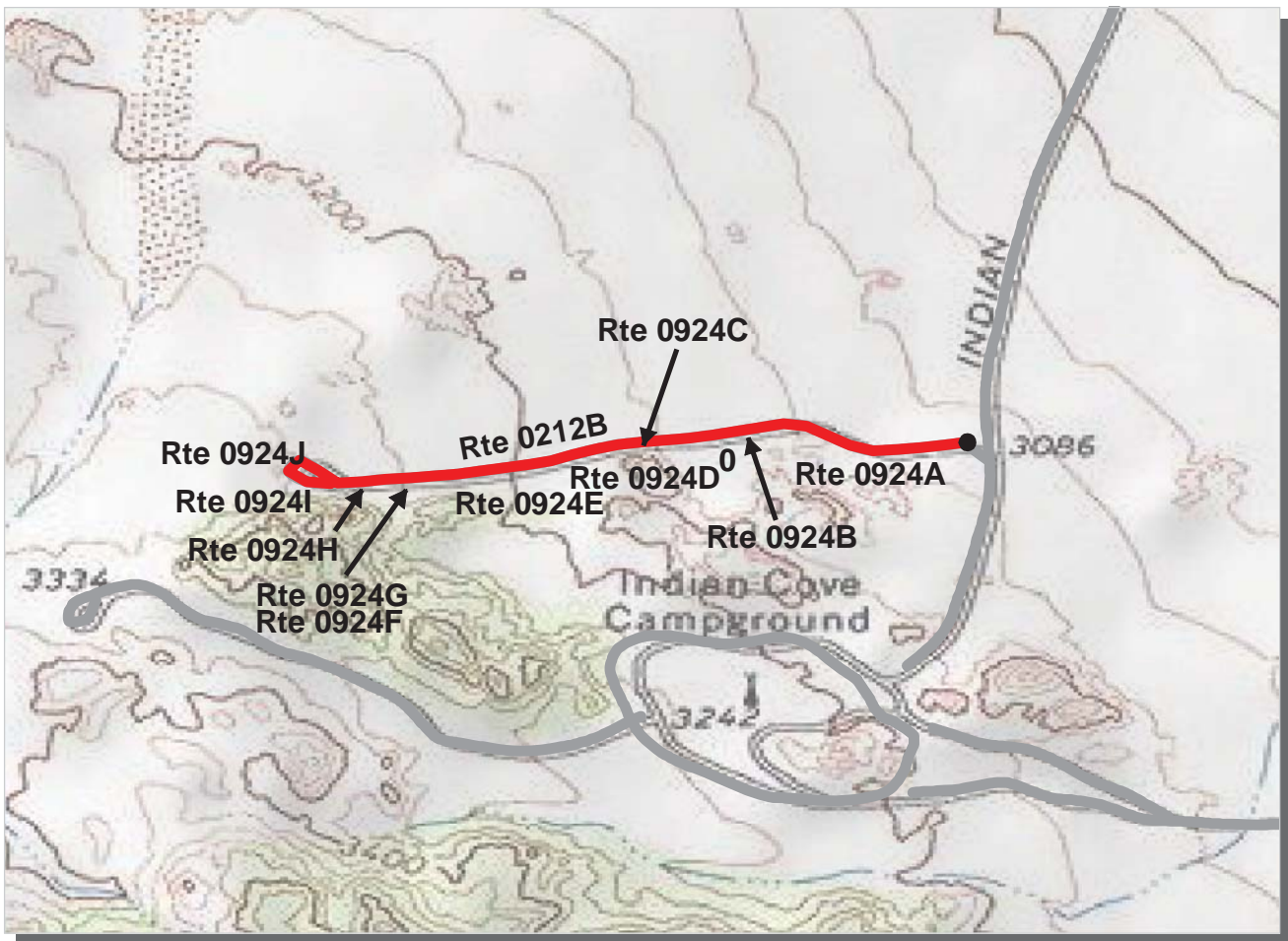
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0212A Indian Cove Campground Road A **TOTAL LENGTH: 1.94 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.94			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	18	19			
Lane Width (ft)	9	9			
Shoulder Width (ft)	3	3			
Roadway Condition Information					
PCR (Pavement Condition Rating)	12	22			
RCI (Roughness Condition Index)	72	73			
SCR (Surface Condition Rating)	0	3			
Alligator Cracking Index	61	69			
Rutting Index	42	52			
Patching Index	97	99			
Transverse Cracking Index	69	68			
Longitudinal Cracking Index	84	80			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0212A Indian Cove Campground Road A

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



Pacific West Region

JOTR : Joshua Tree National Park

ROUTE: 0212B Indian Cove Campground Road B

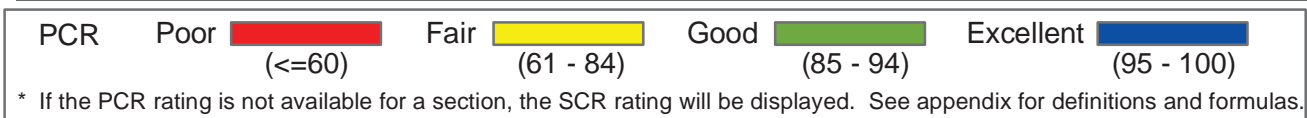
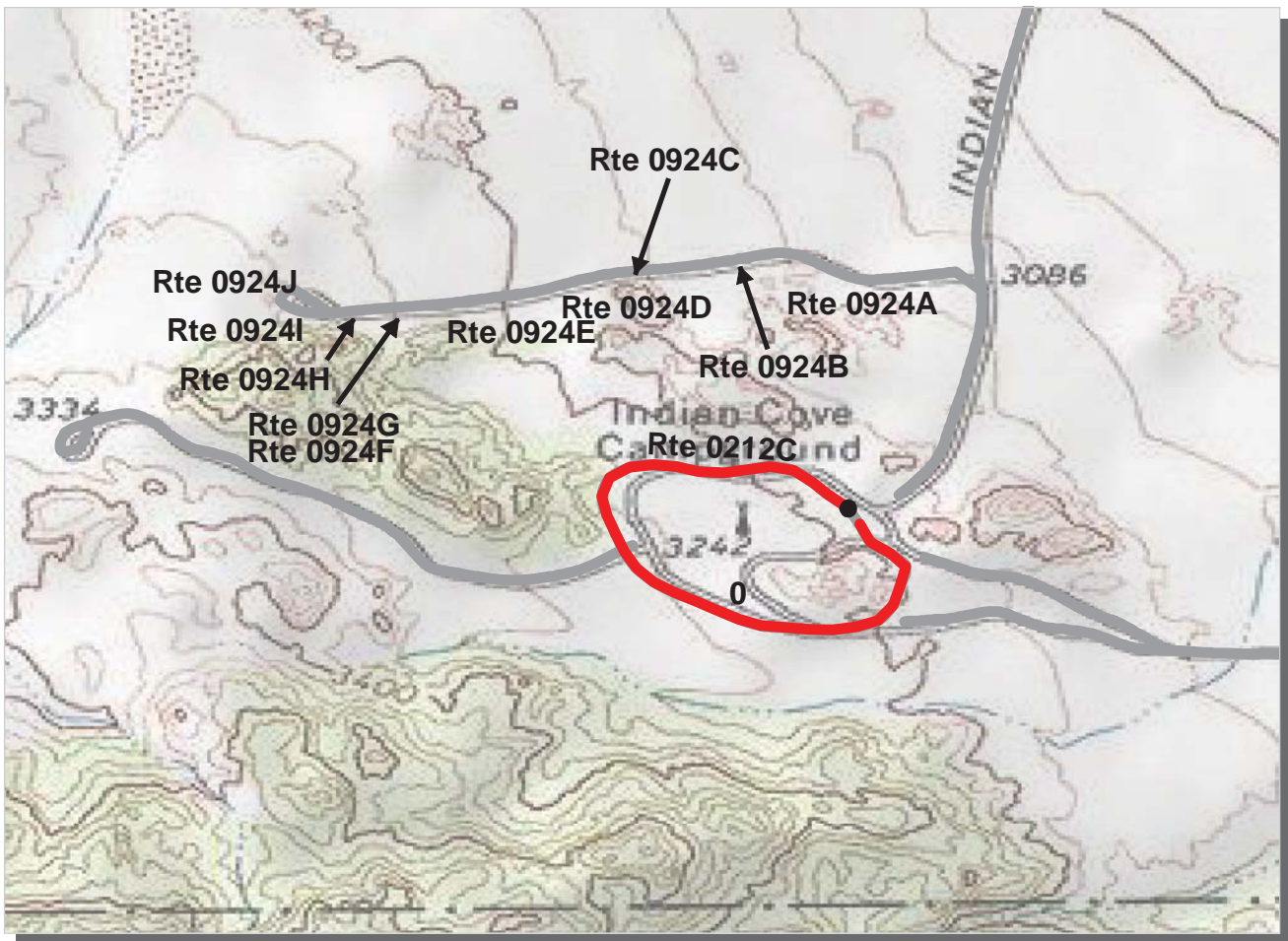
TOTAL LENGTH: 0.65 Miles

Section Number	0			
Section Length (mi)	0.65			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	15			
Lane Width (ft)	15			
Shoulder Width (ft)	3			
Roadway Condition Information				
PCR (Pavement Condition Rating)	4			
RCI (Roughness Condition Index)	37			
SCR (Surface Condition Rating)	2			
Alligator Cracking Index	78			
Rutting Index	47			
Patching Index	98			
Transverse Cracking Index	68			
Longitudinal Cracking Index	75			
Shoulder Condition Rating	POOR			
Drainage Condition Rating	GOOD			

ROUTE: 0212B Indian Cove Campground Road B

* NC designates data not collected NA designates not applicable

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



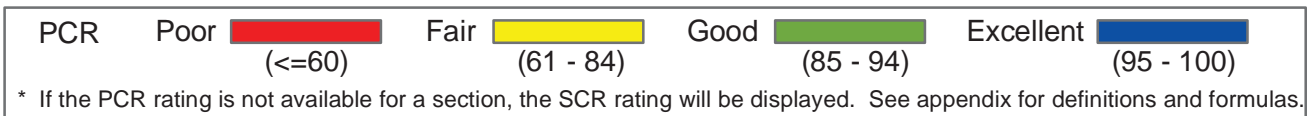
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0212C Indian Cove Campground Road C **TOTAL LENGTH: 0.68 Miles**

Section Number	0			
Section Length (mi)	0.68			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	17			
Lane Width (ft)	9			
Shoulder Width (ft)	2			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	58			
Rutting Index	36			
Patching Index	98			
Transverse Cracking Index	76			
Longitudinal Cracking Index	88			
Shoulder Condition Rating	POOR			
Drainage Condition Rating	GOOD			

ROUTE: 0212C Indian Cove Campground Road C

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



Pacific West Region

JOTR : Joshua Tree National Park

ROUTE: 0212D Indian Cove Campground Road D

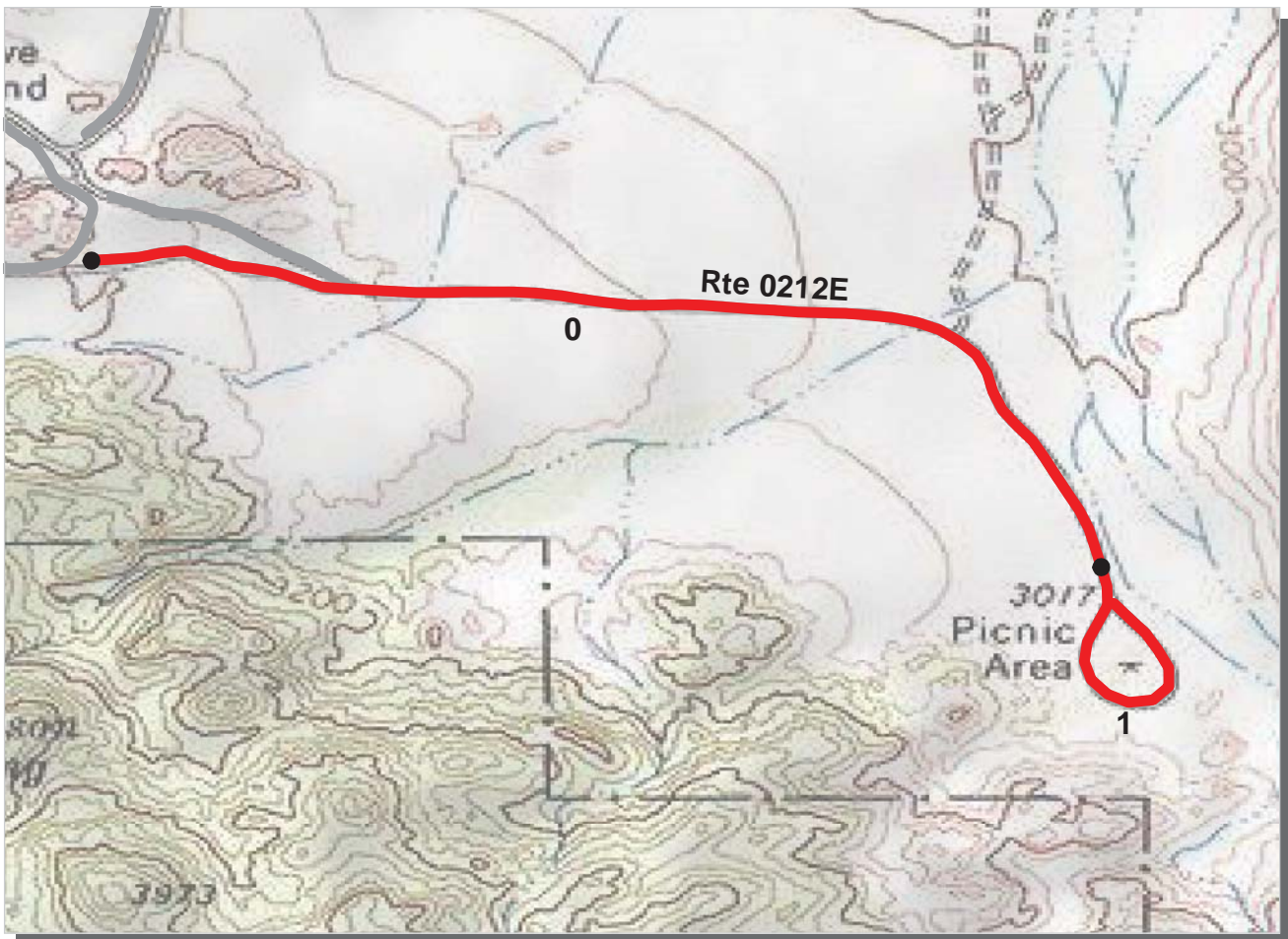
TOTAL LENGTH: 0.62 Miles

Section Number	0			
Section Length (mi)	0.62			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	17			
Lane Width (ft)	8			
Shoulder Width (ft)	5			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	25			
Rutting Index	22			
Patching Index	97			
Transverse Cracking Index	80			
Longitudinal Cracking Index	91			
Shoulder Condition Rating	POOR			
Drainage Condition Rating	GOOD			

ROUTE: 0212D Indian Cove Campground Road D

* NC designates data not collected NA designates not applicable

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



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

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

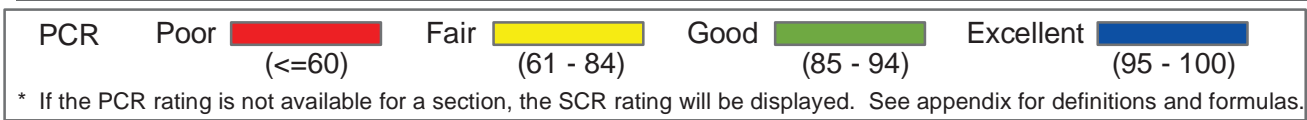
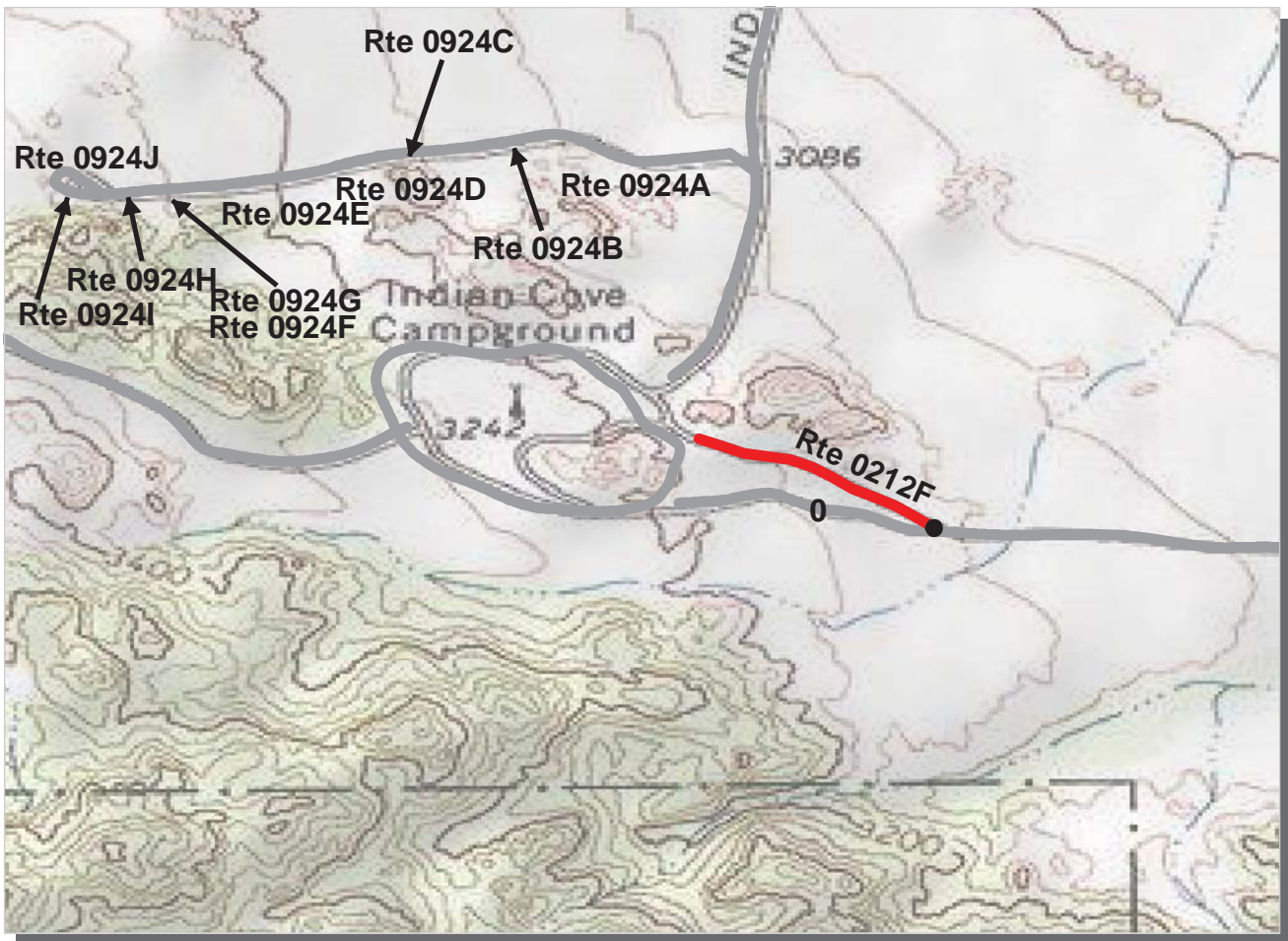
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0212E Indian Cove Campground Road E **TOTAL LENGTH: 1.31 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.31			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	16	16			
Lane Width (ft)	8	8			
Shoulder Width (ft)	0	5			
Roadway Condition Information					
PCR (Pavement Condition Rating)	0	1			
RCI (Roughness Condition Index)	NC	-1			
SCR (Surface Condition Rating)	0	1			
Alligator Cracking Index	37	33			
Rutting Index	36	36			
Patching Index	99	99			
Transverse Cracking Index	62	63			
Longitudinal Cracking Index	83	90			
Shoulder Condition Rating	N/A	POOR			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0212E Indian Cove Campground Road E

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



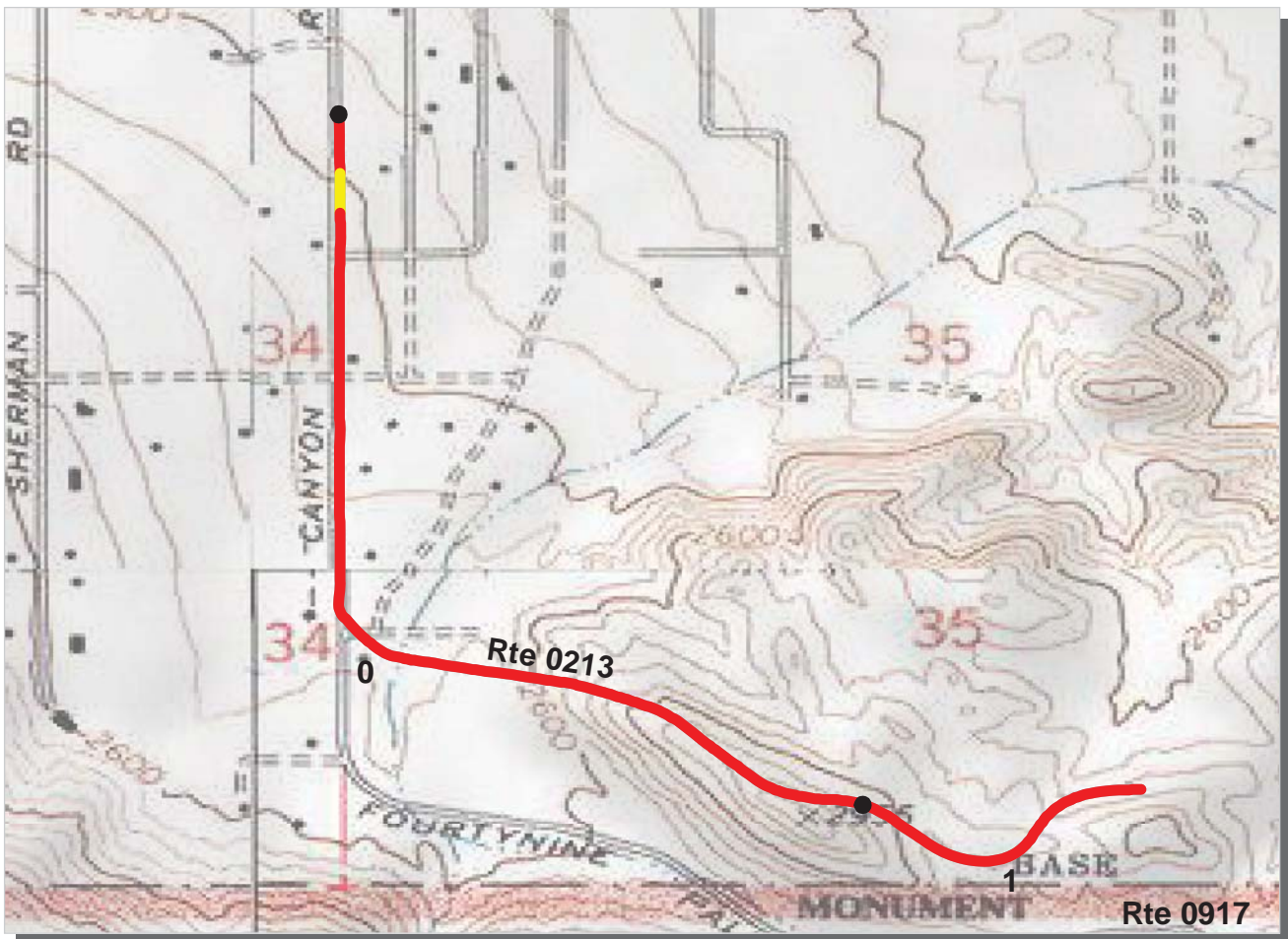
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0212F Indian Cove Campground Road F **TOTAL LENGTH: 0.23 Miles**

Section Number	0				
Section Length (mi)	0.23				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	8				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	2				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	2				
Alligator Cracking Index	42				
Rutting Index	38				
Patching Index	99				
Transverse Cracking Index	77				
Longitudinal Cracking Index	89				
Shoulder Condition Rating	POOR				
Drainage Condition Rating	GOOD				

ROUTE: 0212F Indian Cove Campground Road F

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



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

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

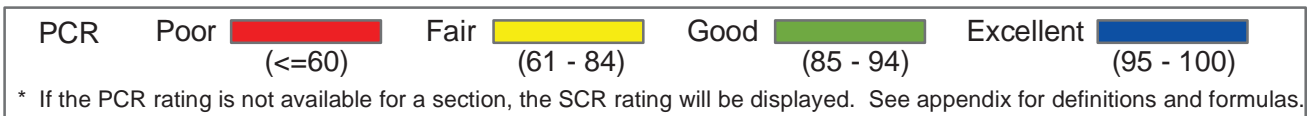
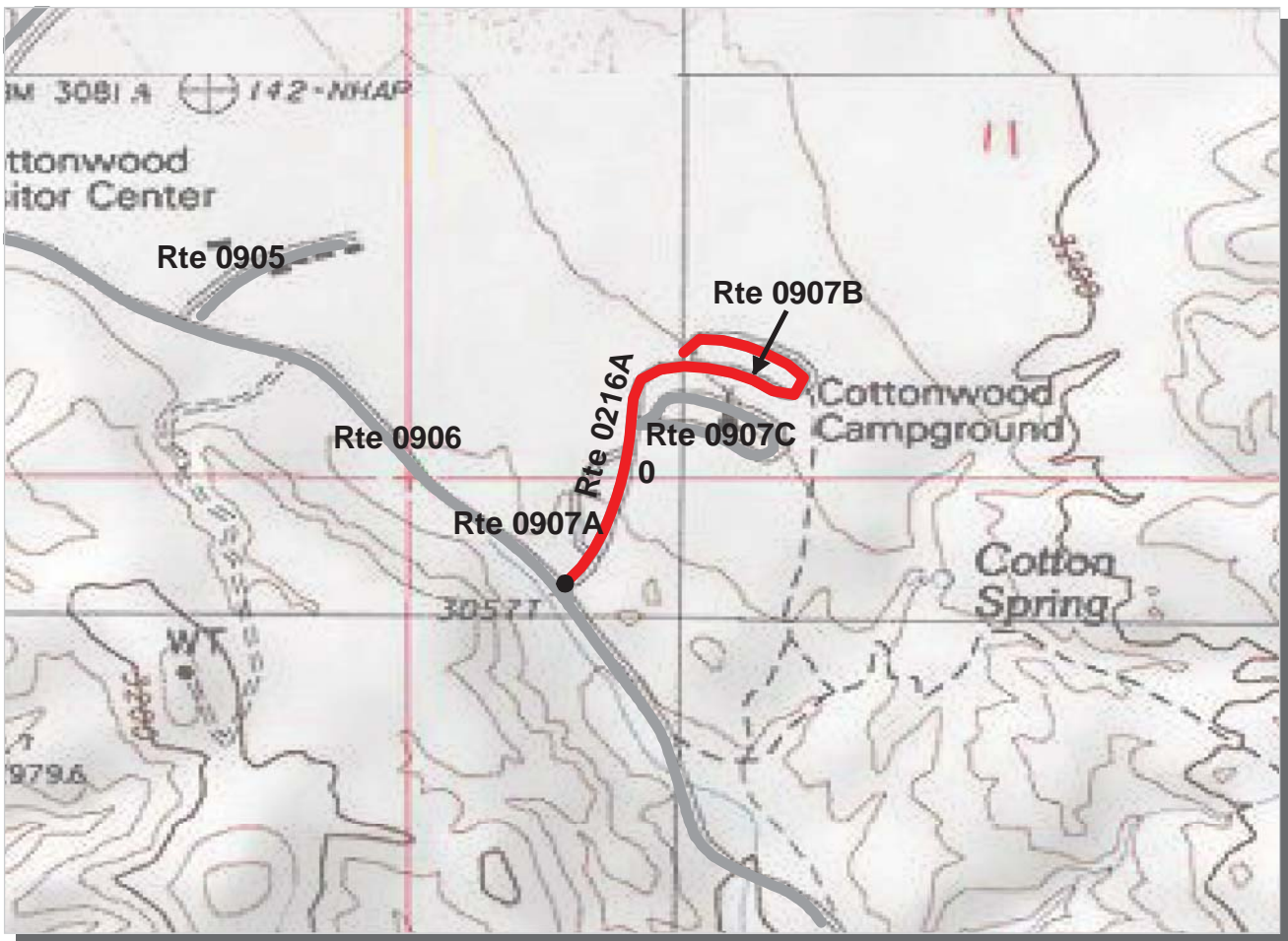
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0213 49 Palms Oasis Access Road **TOTAL LENGTH: 1.30 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.30			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	17	17			
Lane Width (ft)	9	8			
Shoulder Width (ft)	0	0			
Roadway Condition Information					
PCR (Pavement Condition Rating)	41	12			
RCI (Roughness Condition Index)	55	50			
SCR (Surface Condition Rating)	34	6			
Alligator Cracking Index	98	89			
Rutting Index	55	55			
Patching Index	99	99			
Transverse Cracking Index	87	69			
Longitudinal Cracking Index	92	80			
Shoulder Condition Rating	N/A	N/A			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0213 49 Palms Oasis Access Road

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



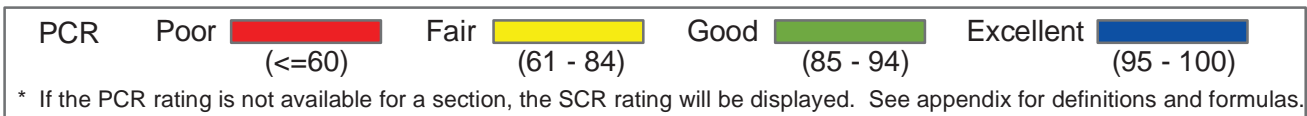
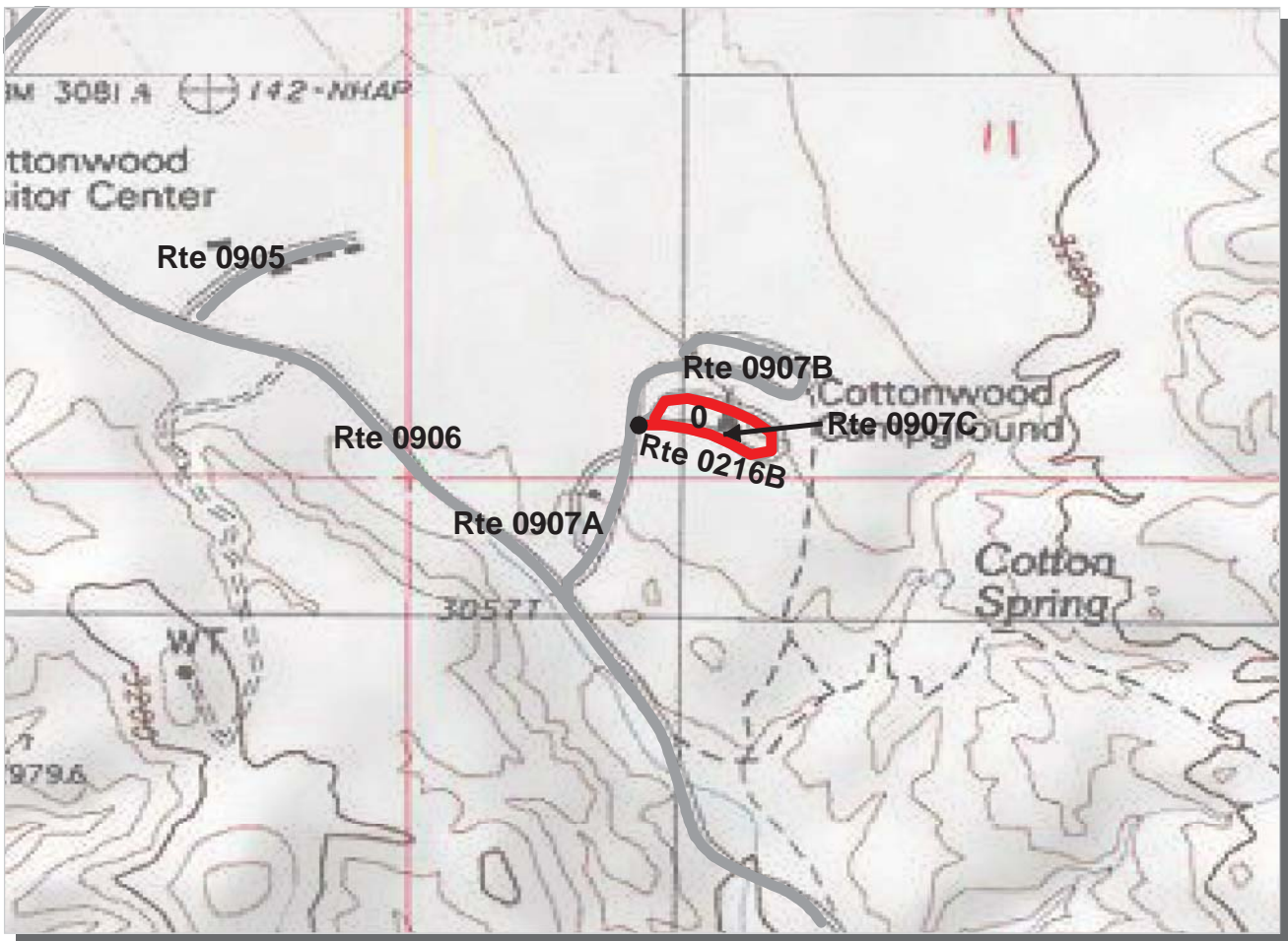
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0216A Cottonwood Campground Loop A **TOTAL LENGTH: 0.52 Miles**

Section Number	0			
Section Length (mi)	0.52			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	20			
Lane Width (ft)	10			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	26			
RCI (Roughness Condition Index)	63			
SCR (Surface Condition Rating)	19			
Alligator Cracking Index	99			
Rutting Index	55			
Patching Index	100			
Transverse Cracking Index	73			
Longitudinal Cracking Index	90			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0216A Cottonwood Campground Loop A

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



Pacific West Region

JOTR : Joshua Tree National Park

ROUTE: 0216B Cottonwood Campground Loop B

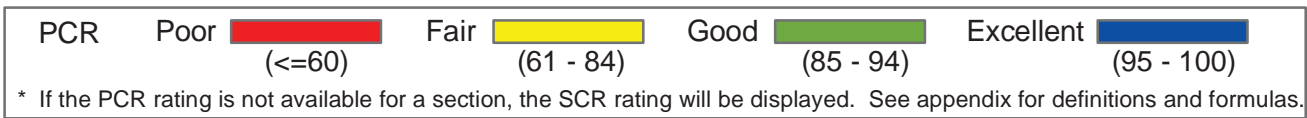
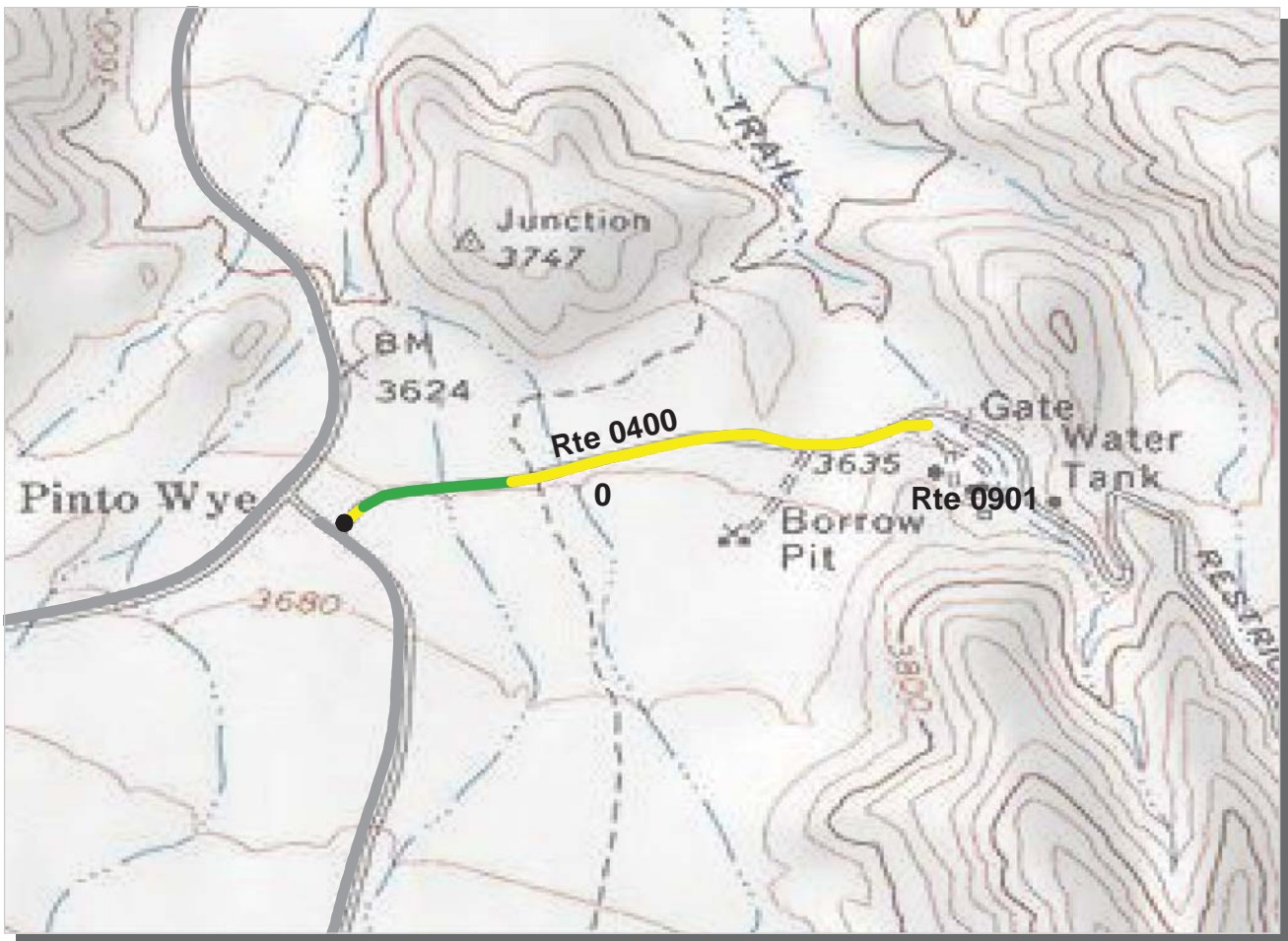
TOTAL LENGTH: 0.28 Miles

Section Number	0			
Section Length (mi)	0.28			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	12			
Lane Width (ft)	12			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	25			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	25			
Alligator Cracking Index	99			
Rutting Index	63			
Patching Index	100			
Transverse Cracking Index	68			
Longitudinal Cracking Index	89			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0216B Cottonwood Campground Loop B

* NC designates data not collected NA designates not applicable

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



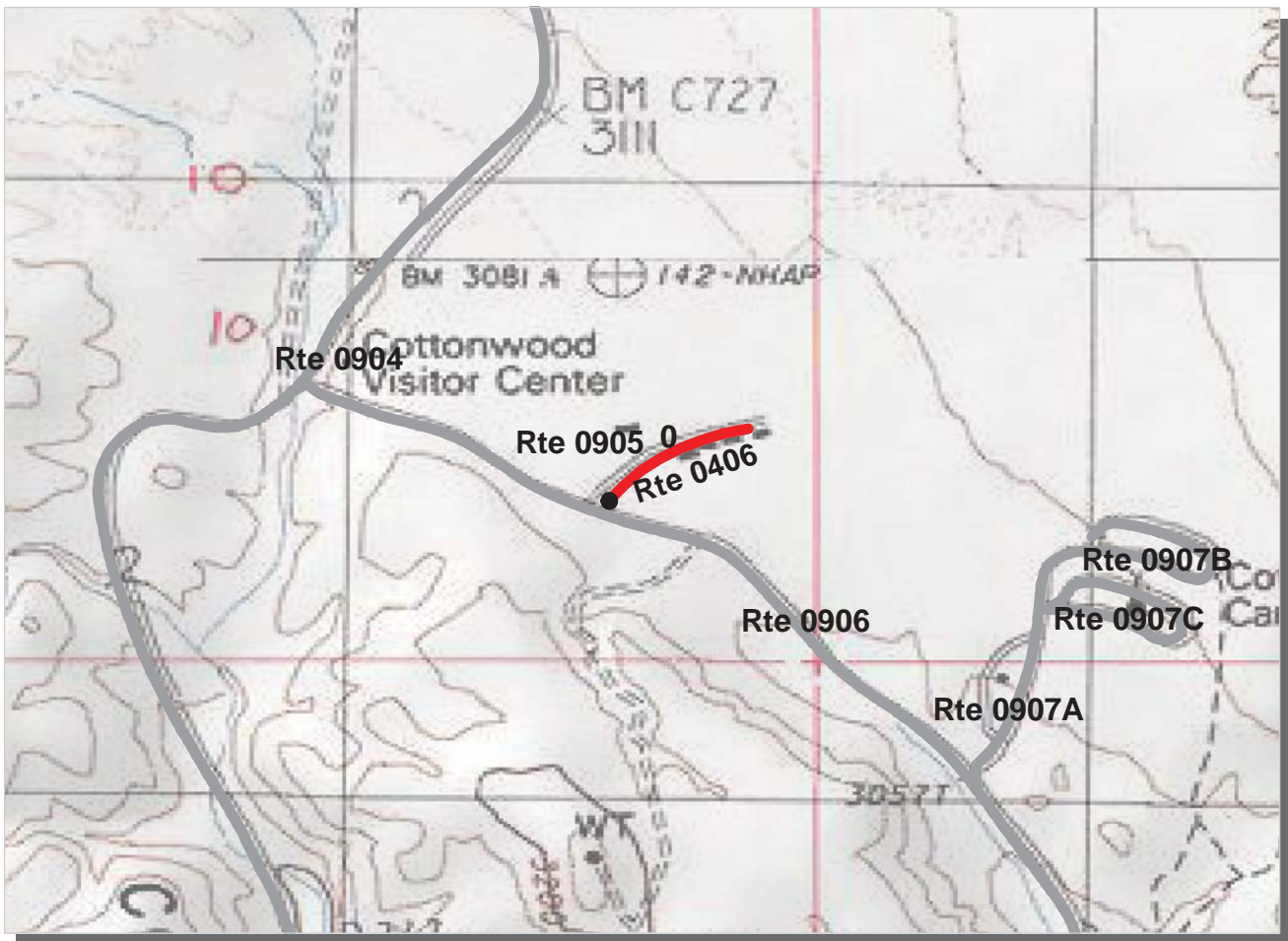
Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0400 Maintenance Road **TOTAL LENGTH: 0.52 Miles**

Section Number	0				
Section Length (mi)	0.52				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	8				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	77				
RCI (Roughness Condition Index)	73				
SCR (Surface Condition Rating)	80				
Alligator Cracking Index	100				
Rutting Index	95				
Patching Index	100				
Transverse Cracking Index	85				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	POOR				

ROUTE: 0400 Maintenance Road

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



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

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

Pacific West Region
JOTR : Joshua Tree National Park

ROUTE: 0406 Cottonwood Residential Road **TOTAL LENGTH: 0.15 Miles**

Section Number	0				
Section Length (mi)	0.15				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	13				
RCI (Roughness Condition Index)	42				
SCR (Surface Condition Rating)	5				
Alligator Cracking Index	88				
Rutting Index	54				
Patching Index	99				
Transverse Cracking Index	68				
Longitudinal Cracking Index	75				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0406 Cottonwood Residential Road

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

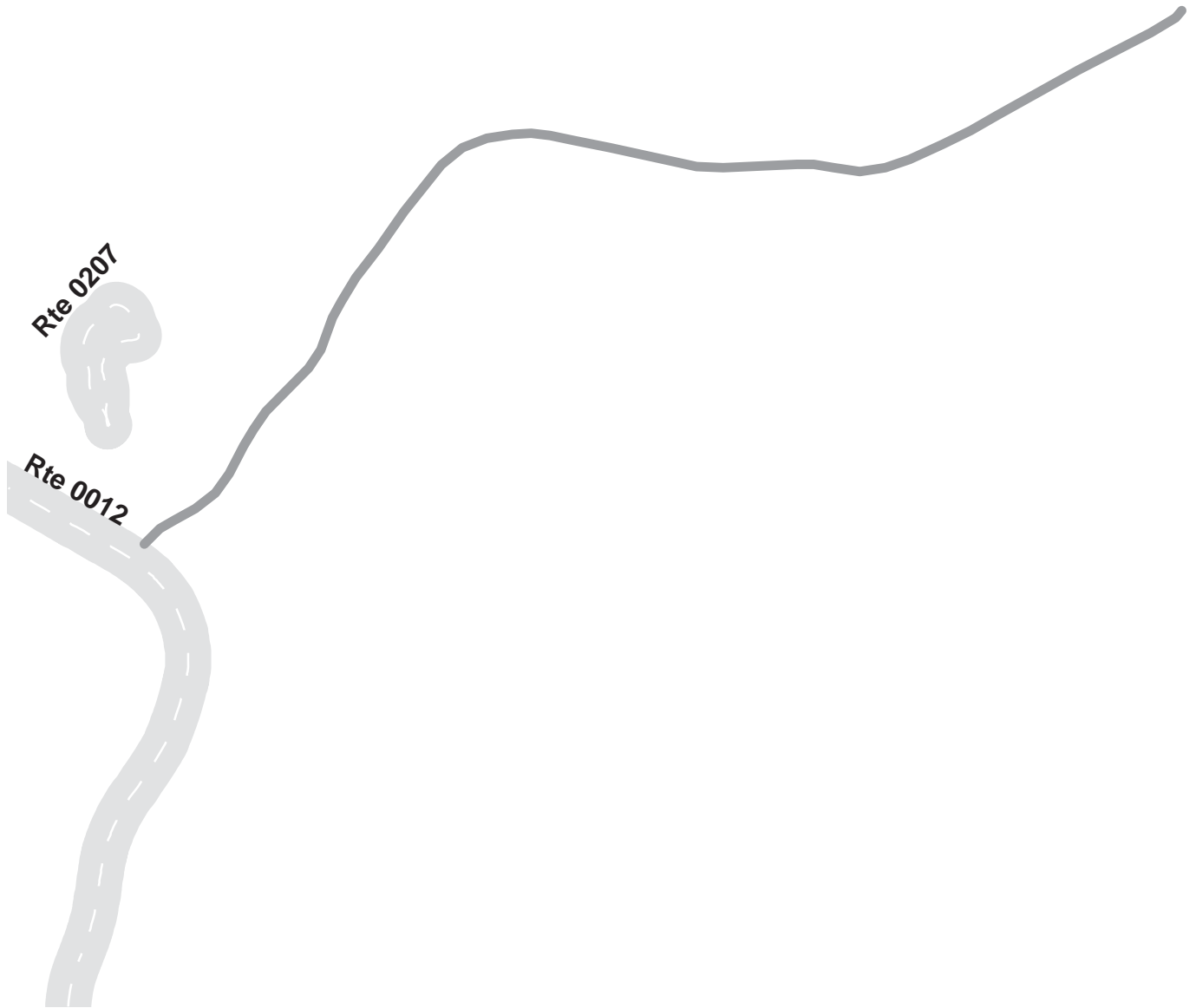
Joshua Tree National Park

Route 0100

Baker Dam Road / Queen Valley Road
From Route 0012 at MP 16.55 on Right

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0100	1.50	0.00	0	0.00	NC / -1	AS

* Lane miles are based on 11' lane widths

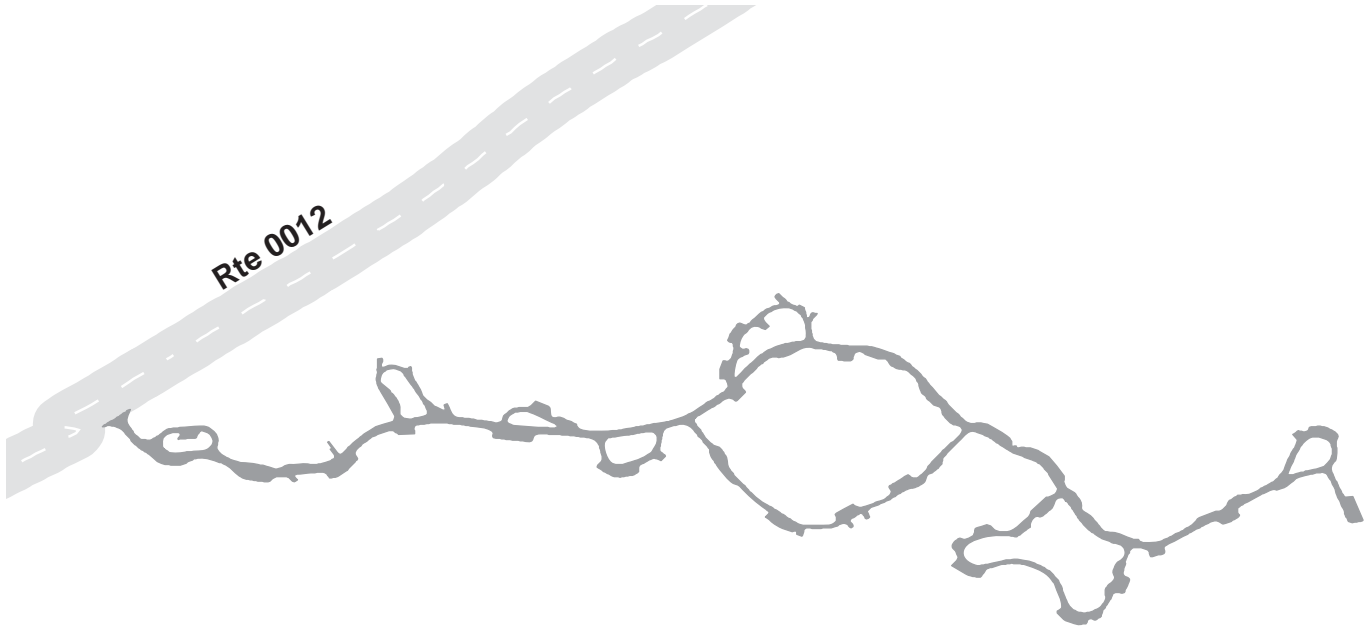


Joshua Tree National Park Route 0203

Jumbo Rocks Campground Road
From Route 0012 at MP 8.1

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0203	2.04	0.00	179603	3.09	GOOD / 90	AS

* Lane miles are based on 11' lane widths



Joshua Tree National Park

Route 0214

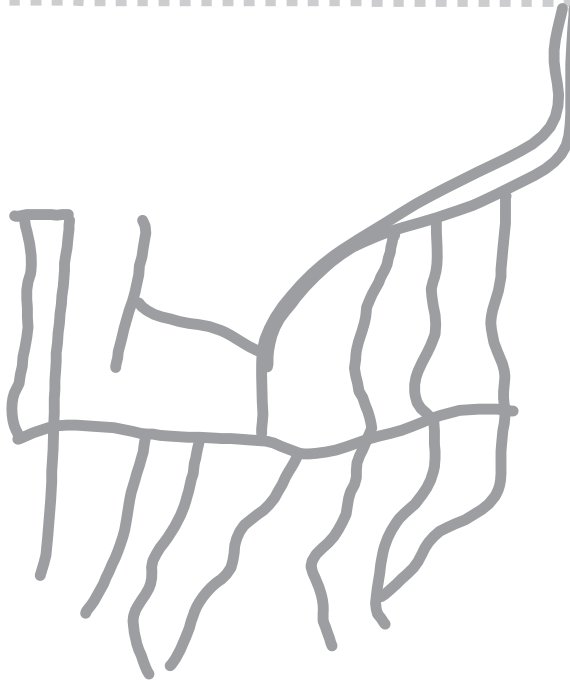
Black Rock Campground Road
From North Park Boundary

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0214	1.97	0.00	0	0.00	FAIR / 73	AS

* Lane miles are based on 11' lane widths



North Park Boundary



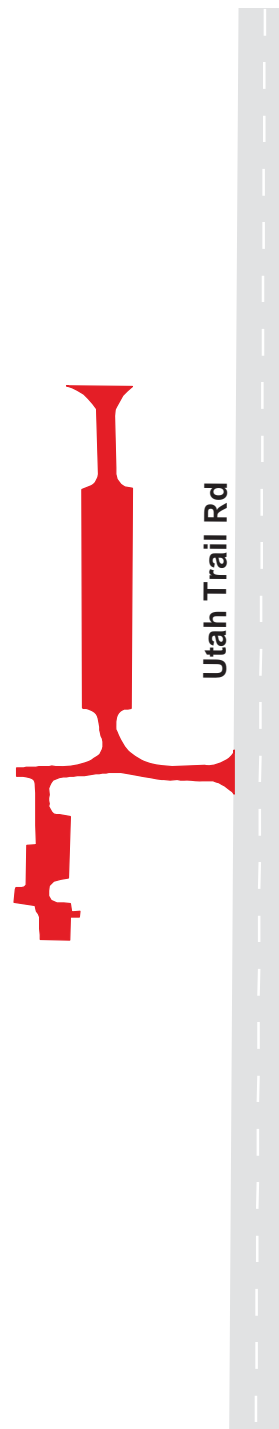
Joshua Tree National Park

Route 0900

North Entrance Visitor Center Complex
From Utah Trail Road near North Entrance

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900	Public	11/13/2002	47330	0.81	AS	FAIR / 73

* Lane miles are based on 11' lane widths



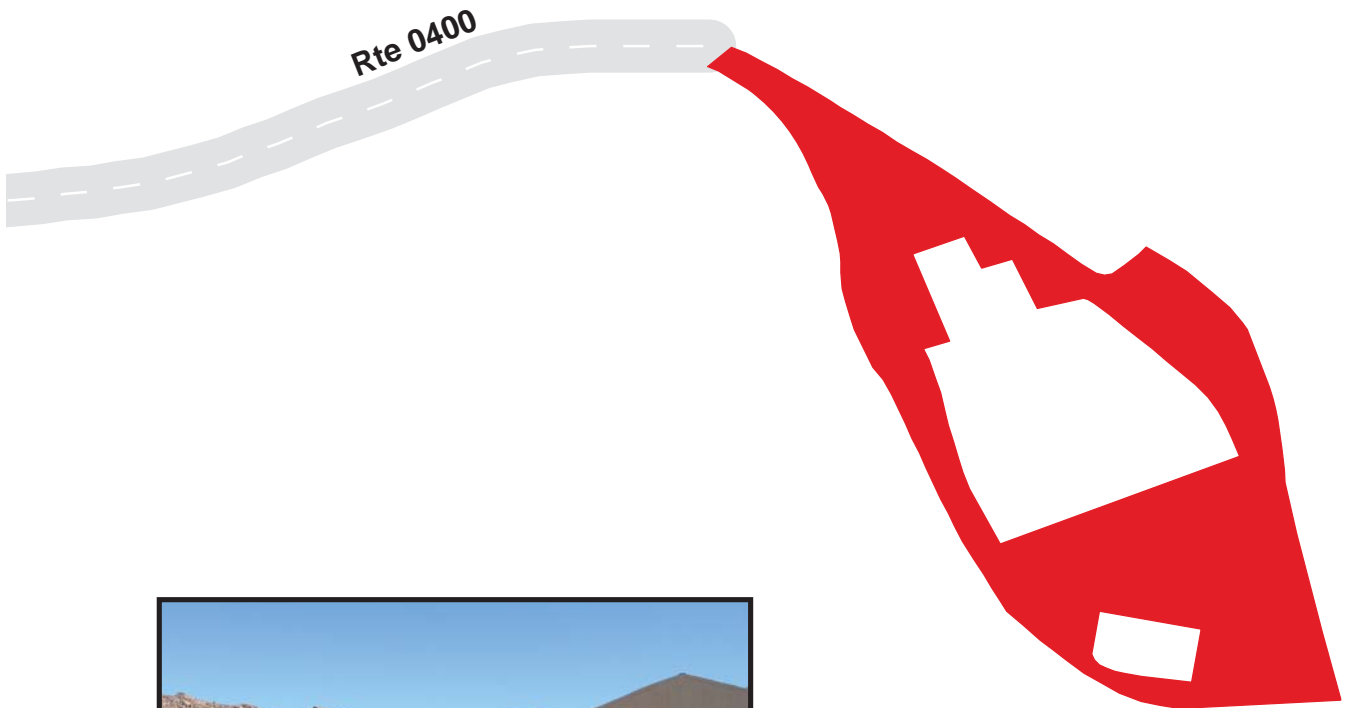
Joshua Tree National Park

Route 0901

Maintenance Yard Parking
From End of Route 0400

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	NonPublic	11/13/2002	42891	0.74	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Joshua Tree National Park

Route 0902

Twin Tanks Backcountry Parking
Adjacent To Route 0011 at MP 2.15 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902	Public	11/13/2002	23562	0.41	OC	FAIR / 73

* Lane miles are based on 11' lane widths



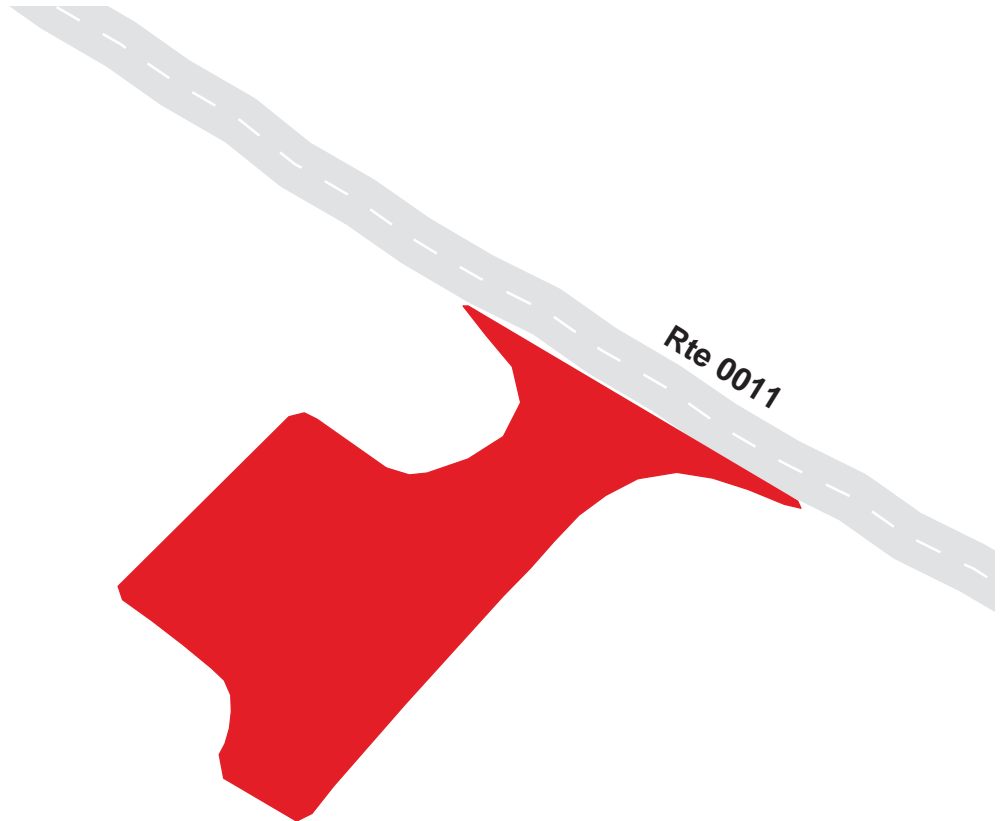
Joshua Tree National Park

Route 0903

2 Deserts Meet Parking
Adjacent To Route 0011 at MP 3.1 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903	Public	11/13/2002	6267	0.11	OC	FAIR / 73

* Lane miles are based on 11' lane widths



Joshua Tree National Park

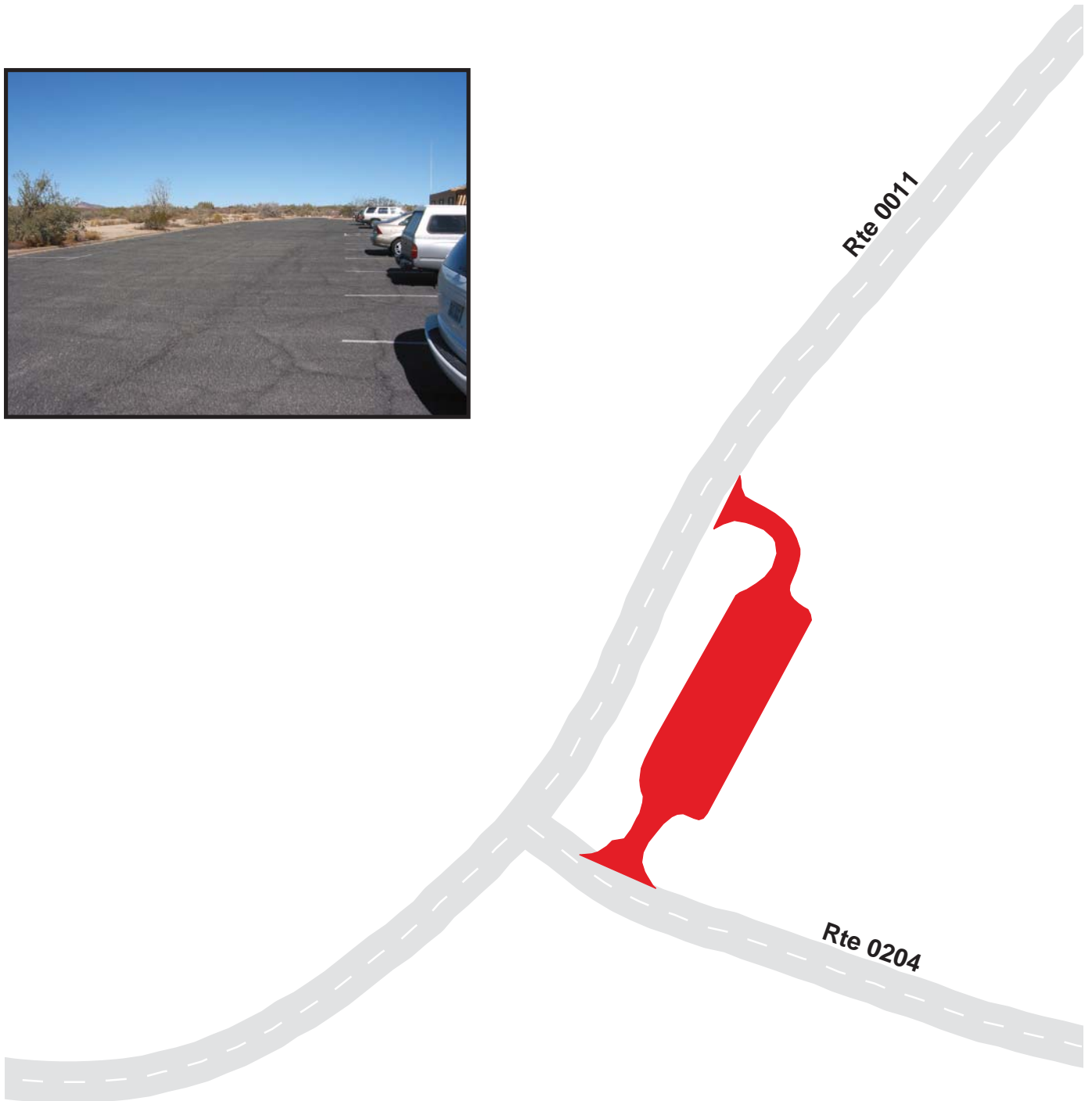
Route 0904

Cottonwood Visitor Center

From intersection of Route 0011 and Route 0204

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904	Public	11/13/2002	18492	0.32	AS	FAIR / 73

* Lane miles are based on 11' lane widths



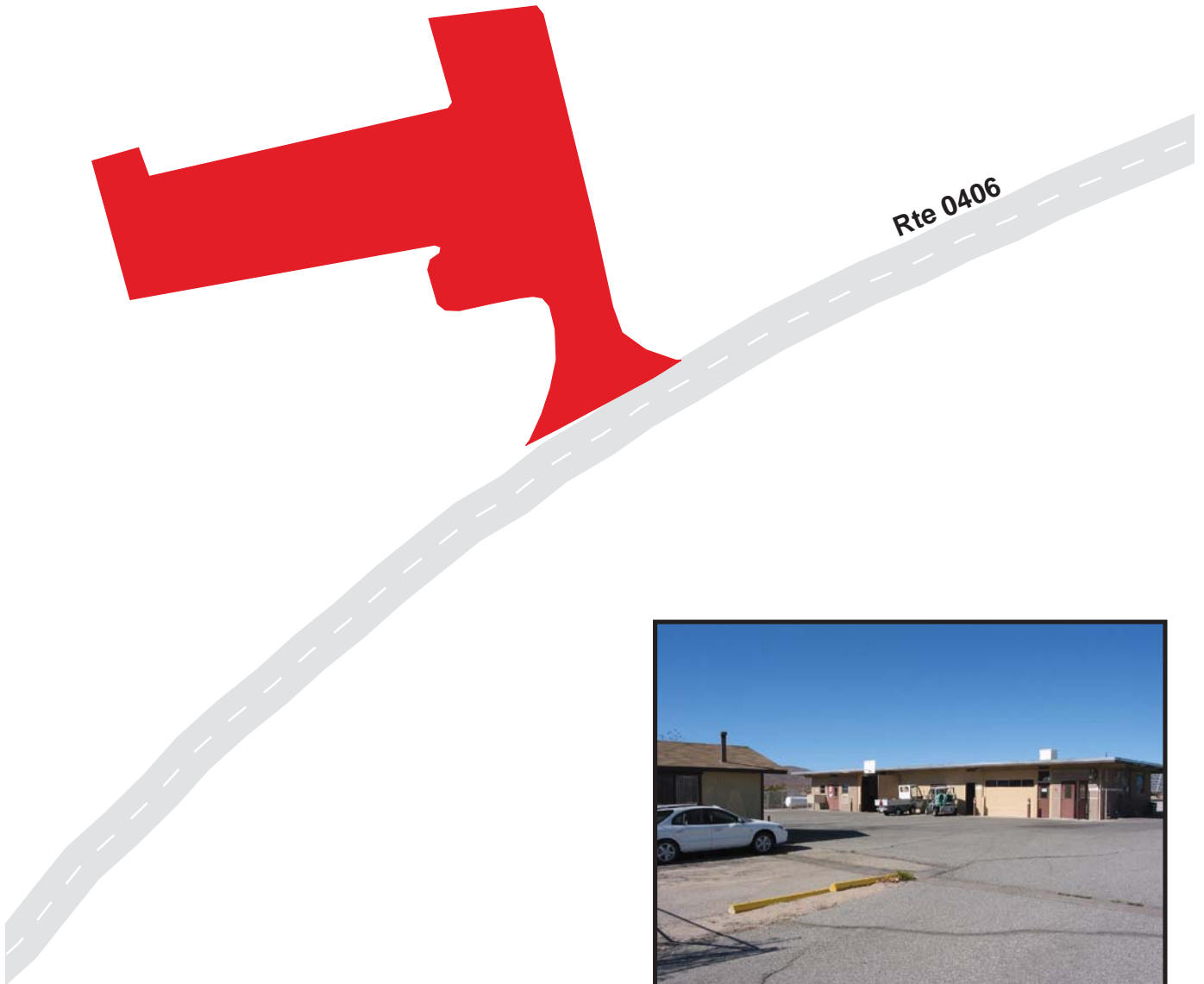
Joshua Tree National Park

Route 0905

Cottonwood Residential Area
Adjacent To Route 0406 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905	NonPublic	11/13/2002	9633	0.17	AS	FAIR / 73

* Lane miles are based on 11' lane widths



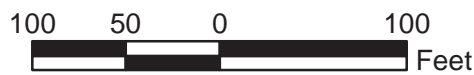
Joshua Tree National Park

Route 0906

Cottonwood Dump Station
Adjacent To Route 0204 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	Public	11/13/2002	8767	0.15	AS	GOOD / 90

* Lane miles are based on 11' lane widths



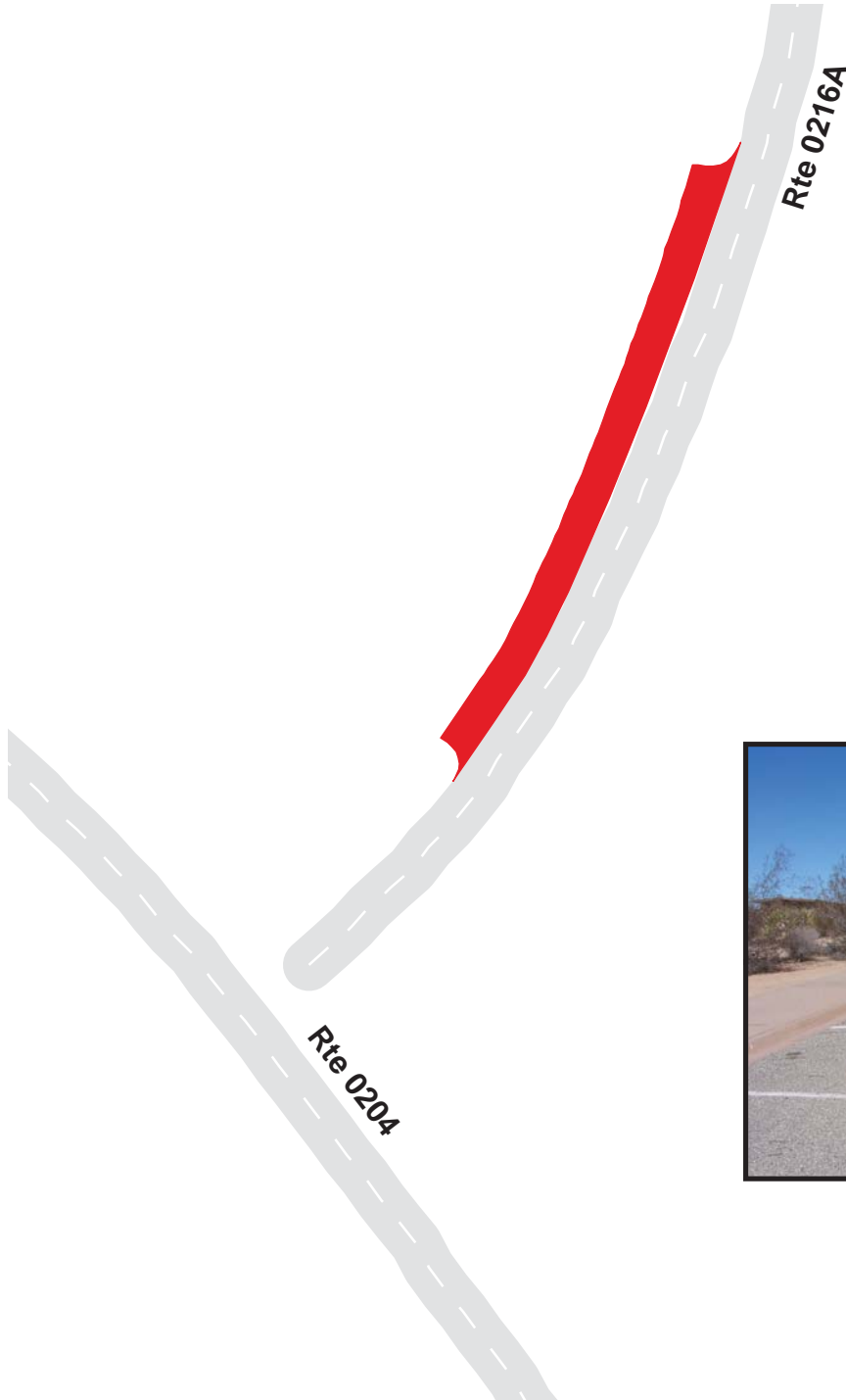
Joshua Tree National Park

Route 0907A

Cottonwood Campground Parking A
Adjacent To Route 0216A on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907A	Public	11/13/2002	8024	0.14	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Joshua Tree National Park

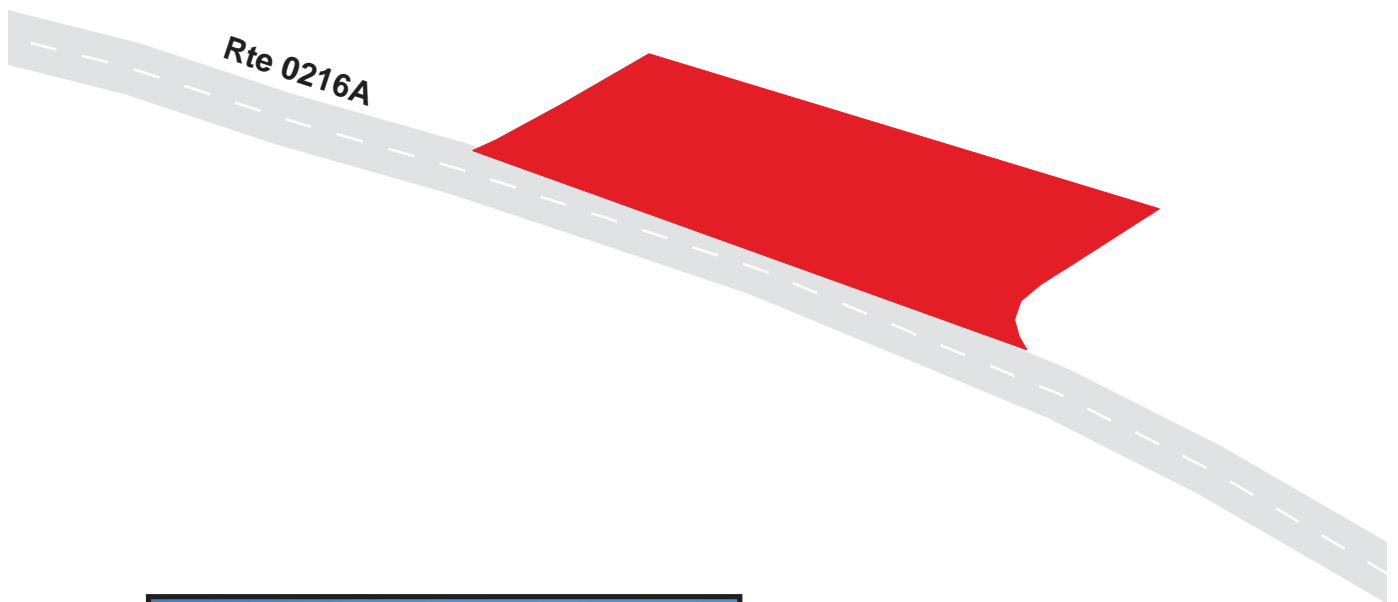
Route 0907B

Cottonwood Campground Parking B

Adjacent To Route 0216A on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907B	Public	11/13/2002	884	0.02	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Joshua Tree National Park

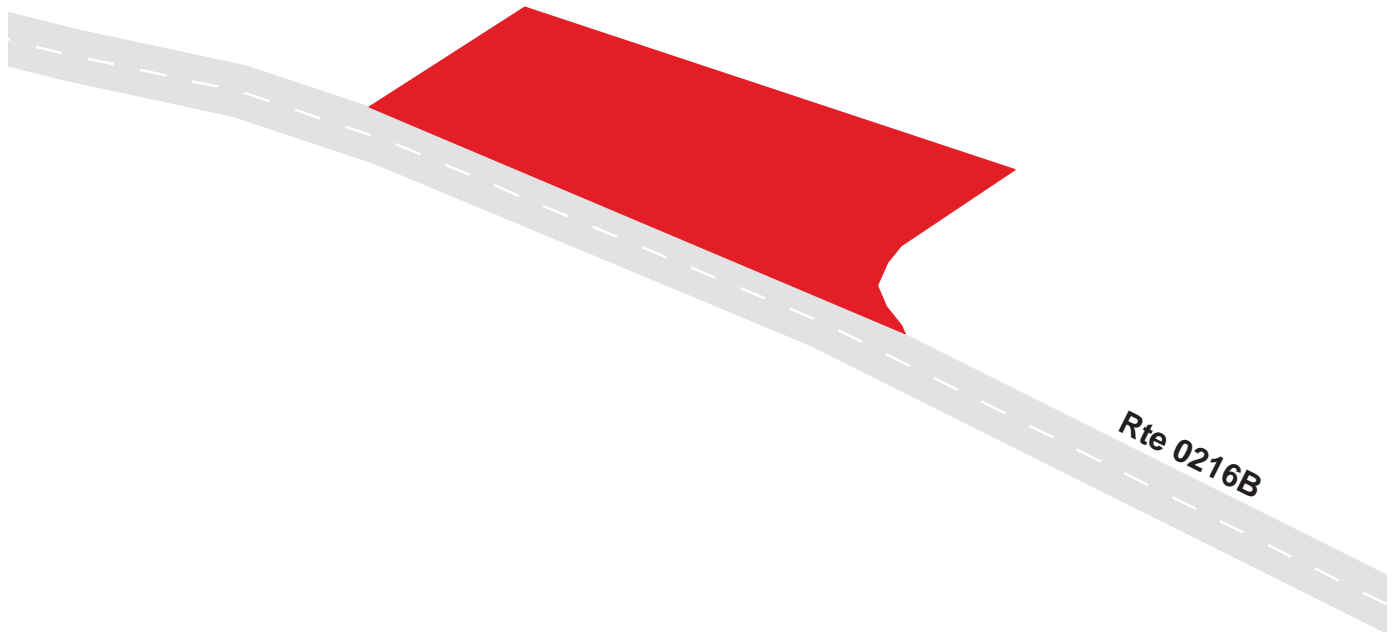
Route 0907C

Cottonwood Campground Parking C

Adjacent To Route 0216B on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907C	Public	11/13/2002	952	0.02	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Joshua Tree National Park

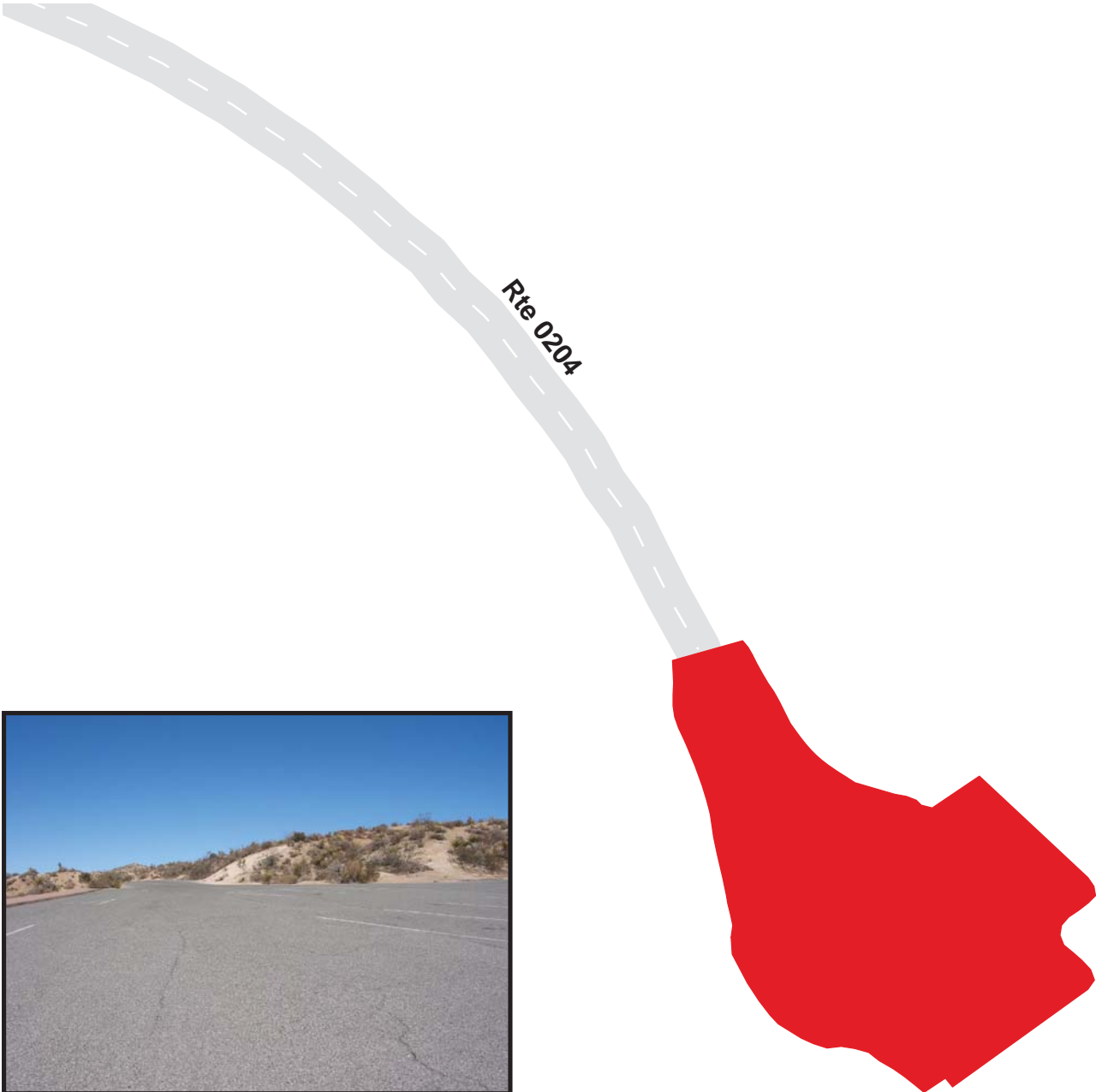
Route 0908

Cottonwood Springs Oasis Parking

At End of Route 0204

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0908	Public	11/13/2002	16576	0.29	AS	GOOD / 90

* Lane miles are based on 11' lane widths



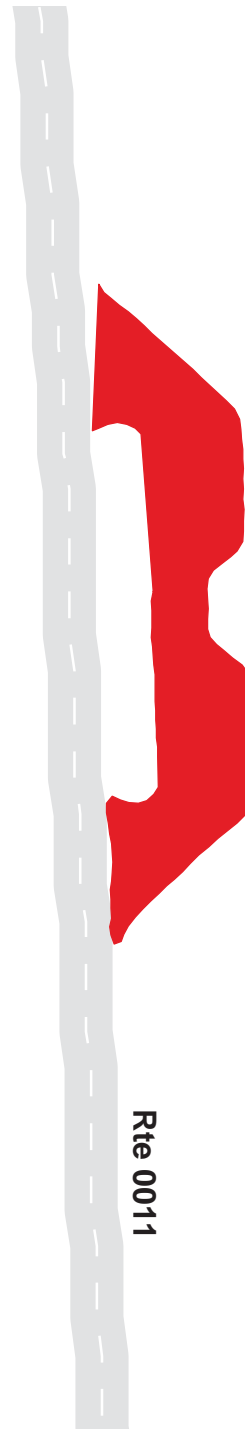
Joshua Tree National Park

Route 0909

Bajada All Trail Parking
Adjacent To Route 0011 at MP 35.2 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0909	Public	11/13/2002	11503	0.20	NC	EXCELLENT / 97

* Lane miles are based on 11' lane widths



Joshua Tree National Park

Route 0910

Split Rock Picnic Area

At End of Route 0200

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0910	Public	11/14/2002	5367	0.09	AS	POOR / 45

* Lane miles are based on 11' lane widths



Joshua Tree National Park

Route 0911

Ryan Mountain Trailhead Parking

From Route 0012 at MP 14.0

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0911	Public	11/14/2002	10604	0.18	AS	POOR / 45

* Lane miles are based on 11' lane widths



Joshua Tree National Park

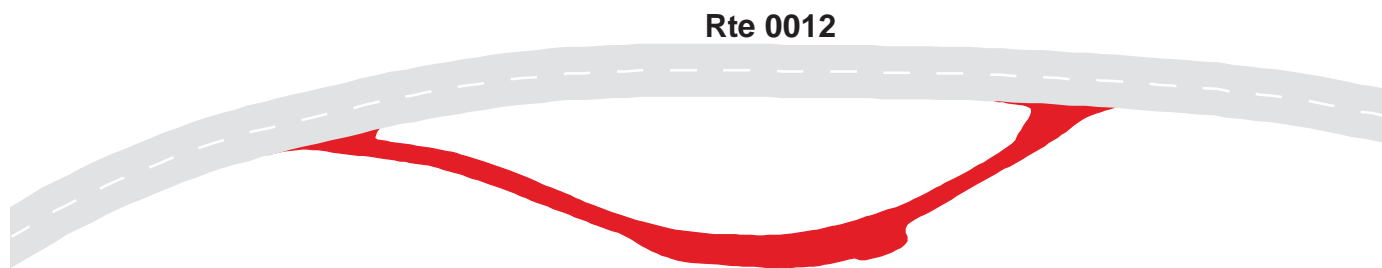
Route 0912

Oyster Bar Trailhead Parking

From Route 0012 at MP 12.8

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0912	Public	11/14/2002	26785	0.46	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



Joshua Tree National Park

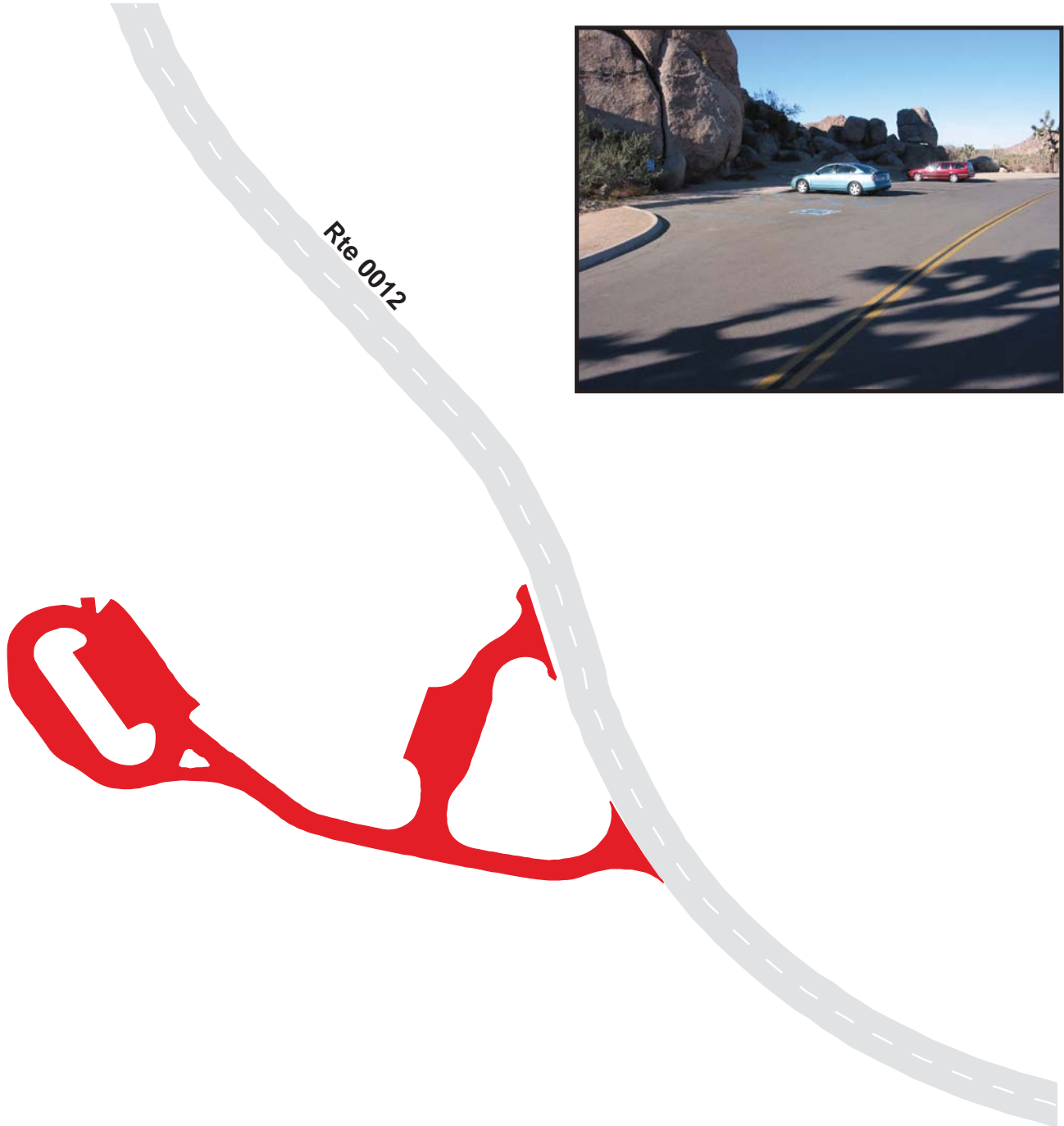
Route 0913

Quail Springs Parking Area

Adjacent To Route 0012 at MP 19.6 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	Public	11/14/2002	41666	0.72	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



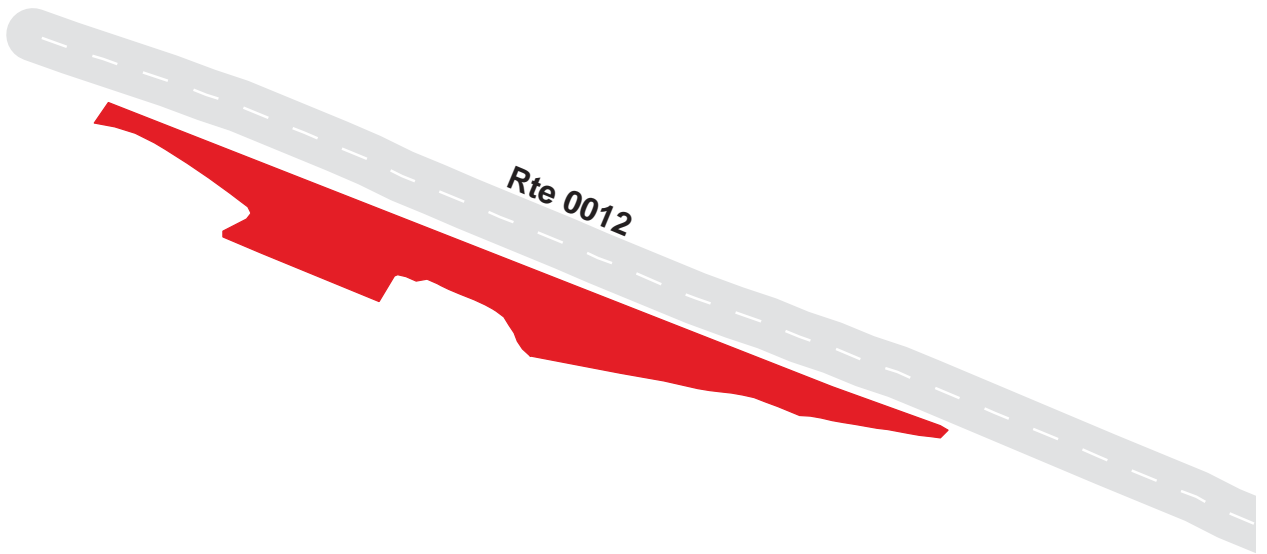
Joshua Tree National Park

Route 0914

Joshua Tree Entrance Station
Adjacent To Route 0012 at MP 25.4 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	Public	11/14/2002	10017	0.17	OC	GOOD / 90

* Lane miles are based on 11' lane widths



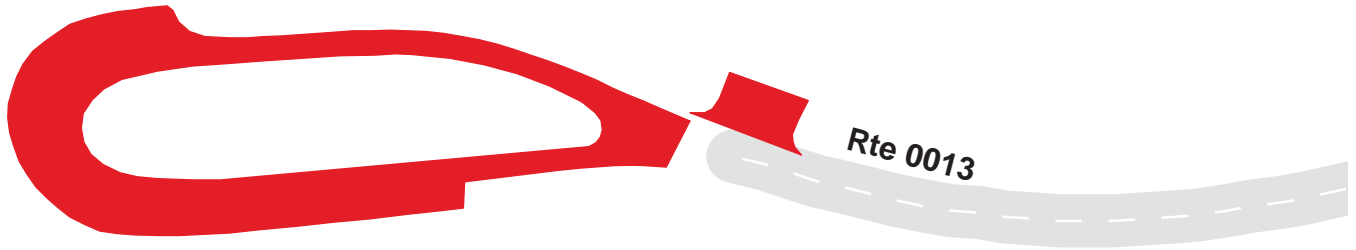
Joshua Tree National Park

Route 0915

Keys View Parking
At End of Route 0013

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0915	Public	3/21/2003	22678	0.39	AS	FAIR / 73

* Lane miles are based on 11' lane widths



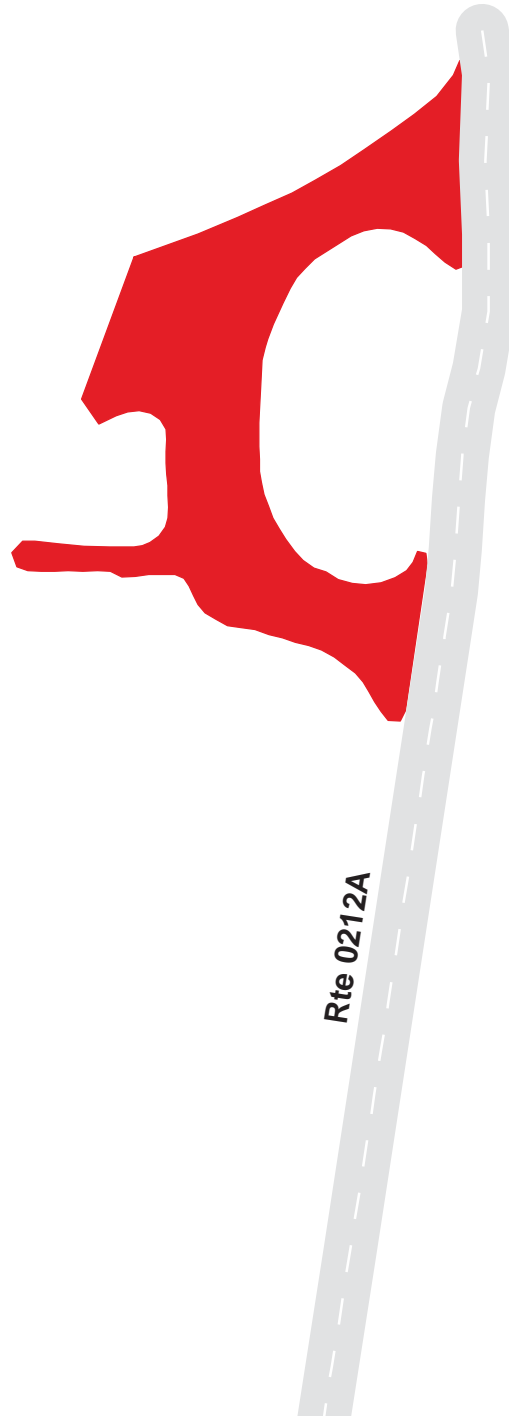
Joshua Tree National Park

Route 0916

Indian Cove Contact Station
Adjacent To Route 0212A on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916	Public	11/13/2002	11616	0.20	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



Joshua Tree National Park

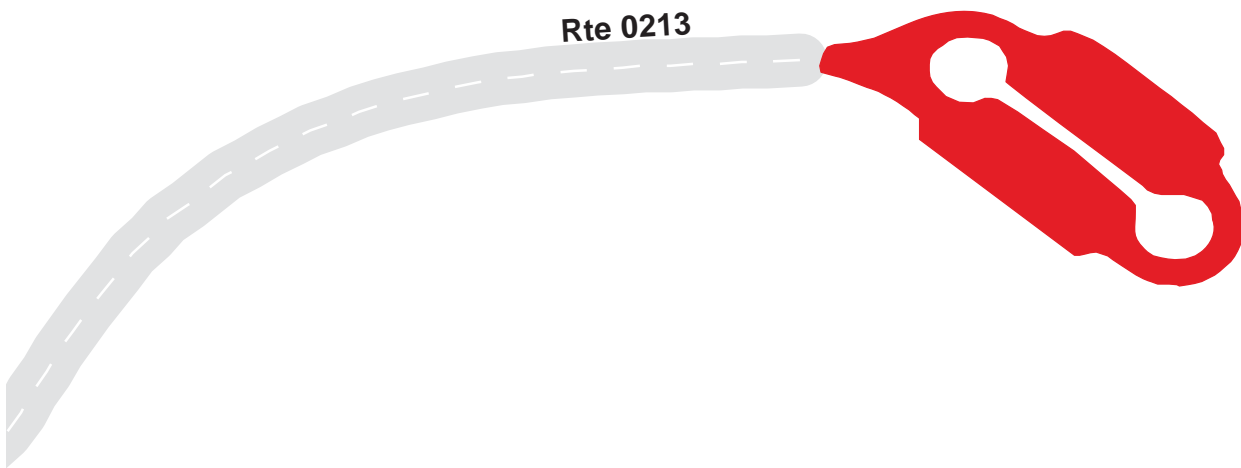
Route 0917

49 Palms Oasis Parking

At End of Route 0213

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0917	Public	11/14/2002	23485	0.40	OC	FAIR / 73

* Lane miles are based on 11' lane widths



Joshua Tree National Park

Route 0918

Hidden Valley Picnic Parking
Adjacent To Route 0012 at MP 16.7 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0918	Public	11/14/2002	101531	1.75	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



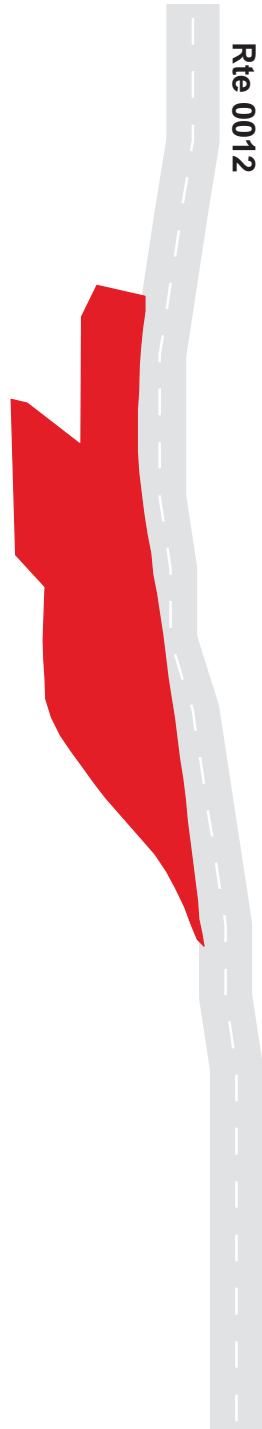
Joshua Tree National Park

Route 0919

North Entrance Contact Station Parking
Adjacent To Route 0012 at MP 0.1 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	Public	11/14/2002	3062	0.05	AS	GOOD / 90

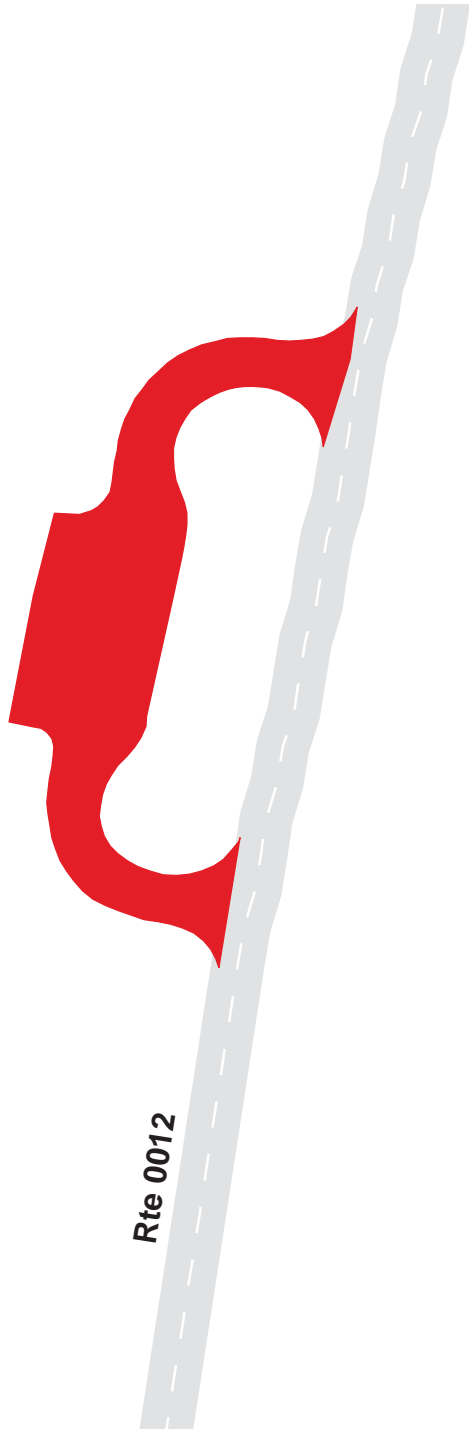
* Lane miles are based on 11' lane widths



Joshua Tree National Park
Route 0920
 Coyote Parking
 Adjacent To Route 0012 at MP 15.2

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	Public	11/14/2002	13741	0.24	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



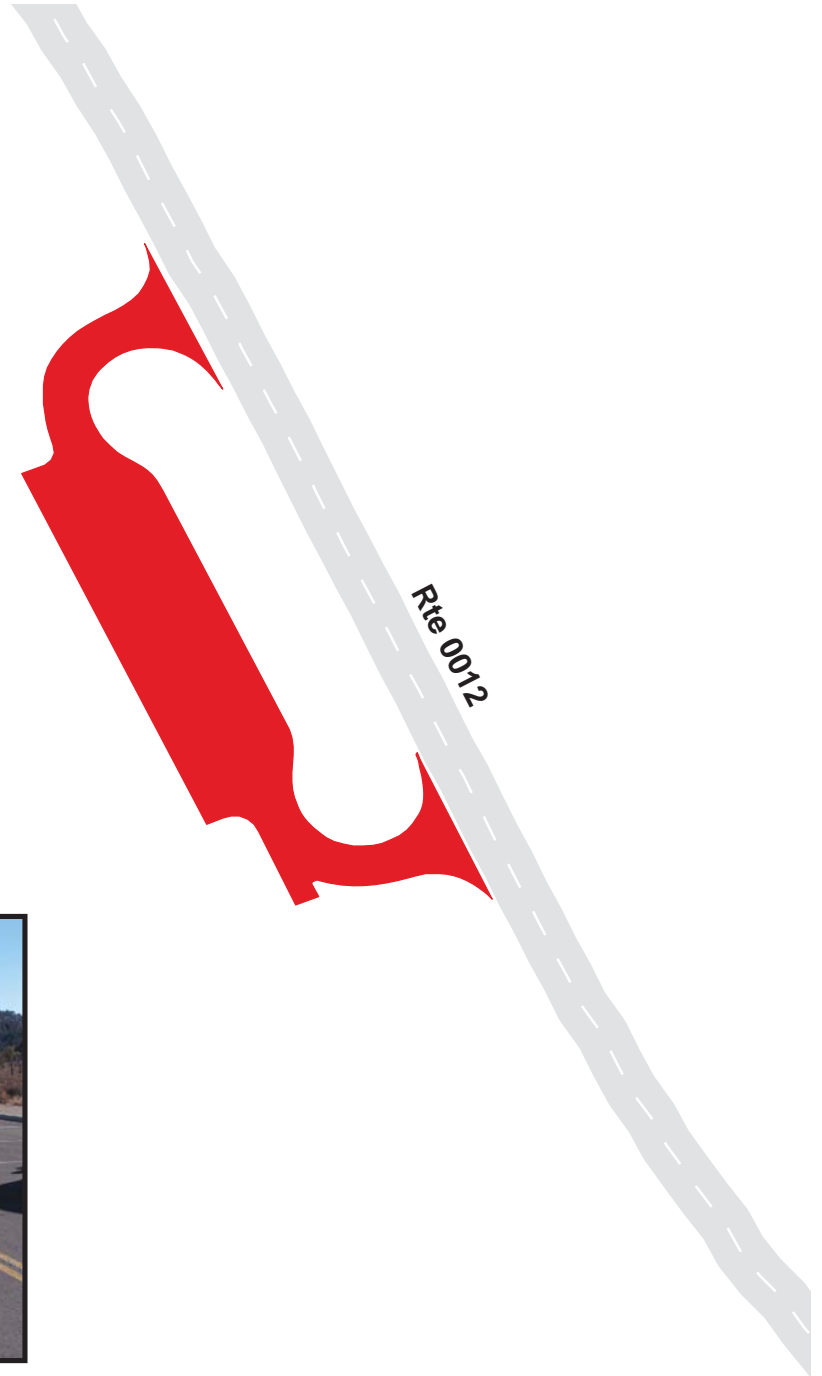
Joshua Tree National Park

Route 0921

Hemmingways Parking
Adjacent To Route 0012 at MP 17.7 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	11/14/2002	18057	0.31	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



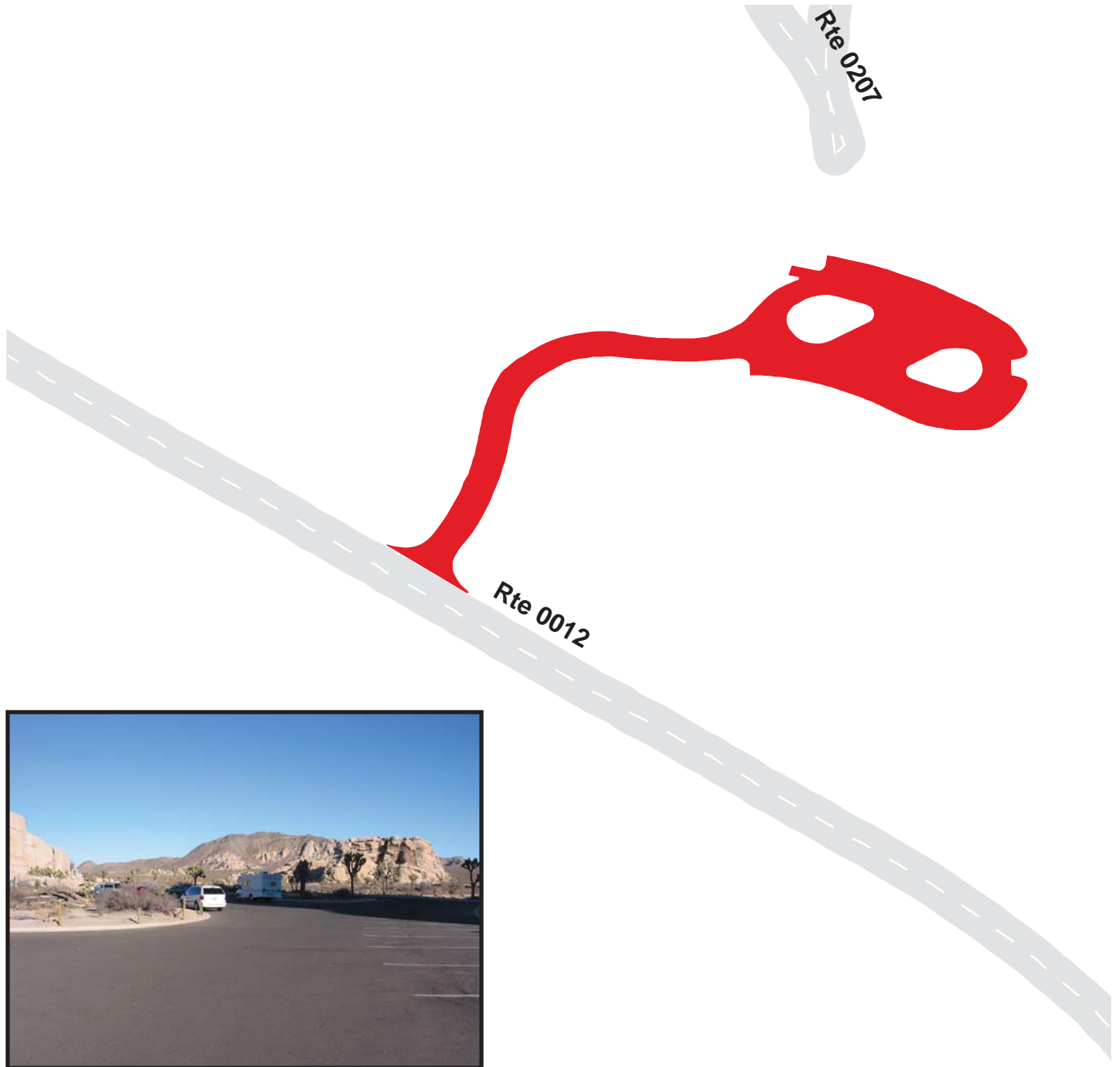
Joshua Tree National Park

Route 0922

Intersection Rock Parking
Adjacent To Route 0012 at MP 16.7 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0922	Public	11/14/2002	48954	0.84	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



200 100 0 200 Feet



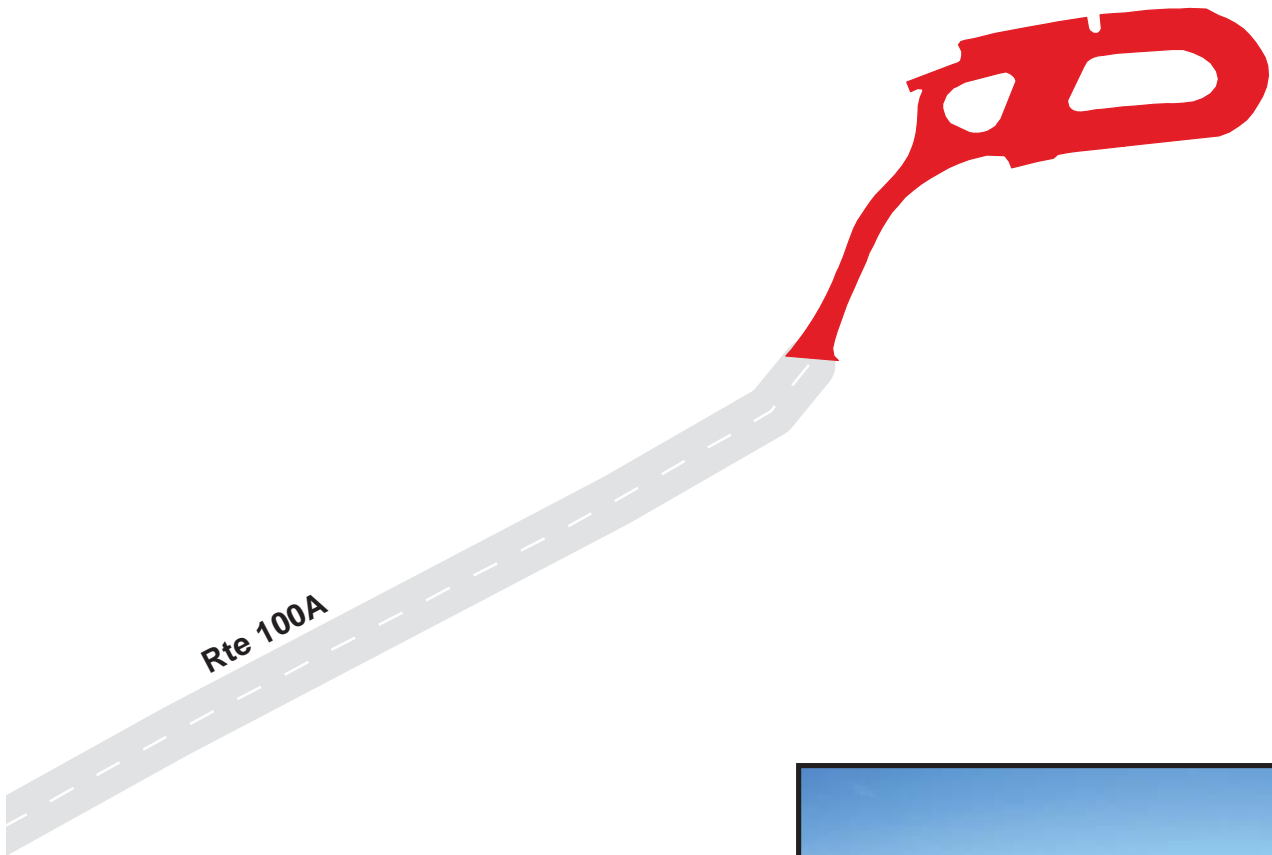
Joshua Tree National Park

Route 0923

Baker Dam Parking
Adjacent To Route 0100 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0923	Public	11/14/2002	40600	0.70	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



Joshua Tree National Park

Route 0924A

Indian Cove Parking Area A

Adjacent to Route 0212B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924A	Public	10/30/2002	2783	0.05	AS	POOR / 45

* Lane miles are based on 11' lane widths



Joshua Tree National Park

Route 0924B

Indian Cove Parking Area B

Adjacent to Route 0212B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924B	Public	10/30/2002	2957	0.05	AS	POOR / 45

* Lane miles are based on 11' lane widths



Joshua Tree National Park

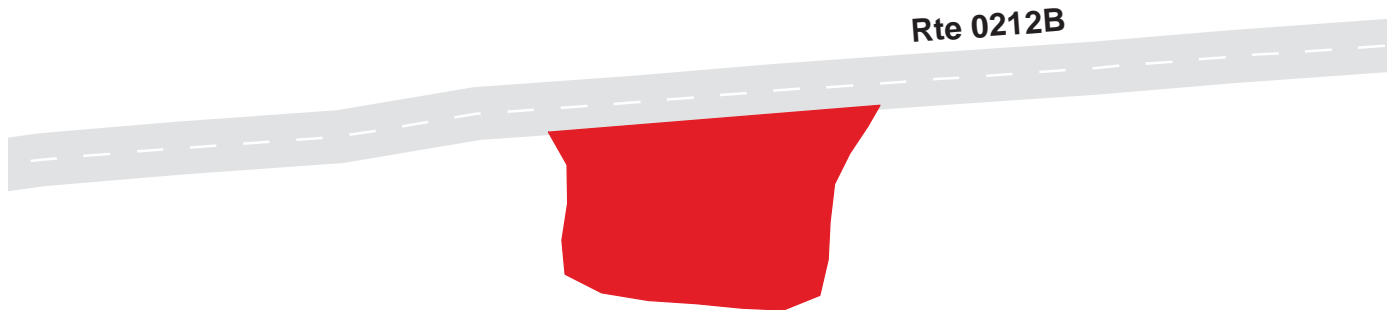
Route 0924C

Indian Cove Parking Area C

Adjacent to Route 0212B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924C	Public	10/30/2002	609	0.01	AS	POOR / 45

* Lane miles are based on 11' lane widths



Joshua Tree National Park

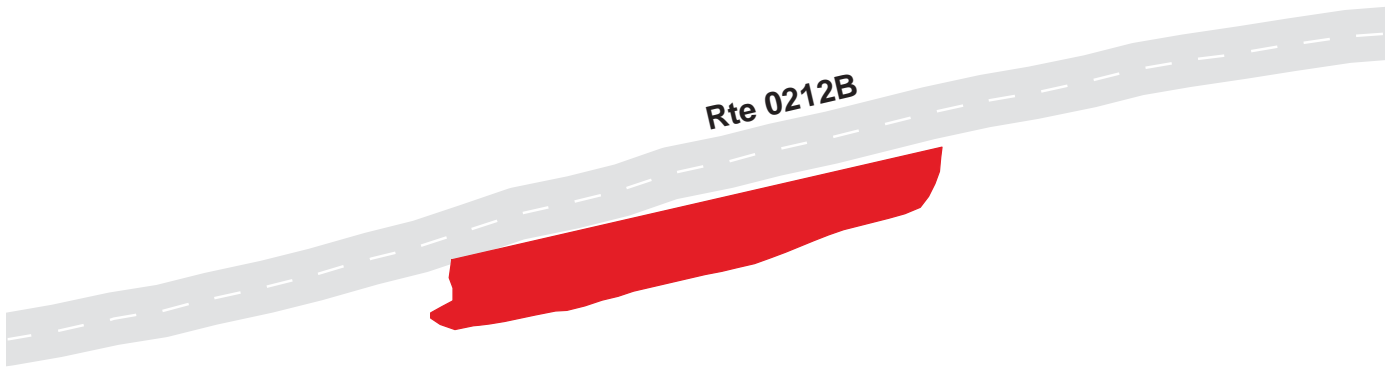
Route 0924D

Indian Cove Parking Area D

Adjacent to Route 0212B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924D	Public	10/30/2002	3333	0.06	AS	POOR / 45

* Lane miles are based on 11' lane widths



Joshua Tree National Park

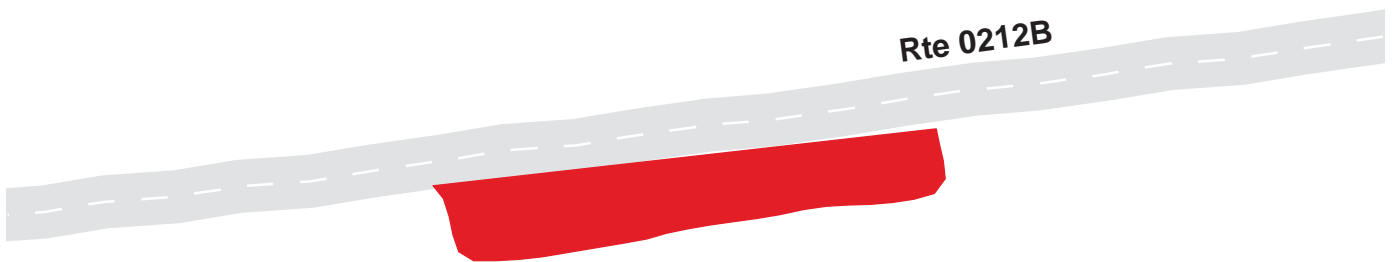
Route 0924E

Indian Cove Parking Area E

Adjacent to Route 0212B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924E	Public	10/30/2002	2209	0.04	AS	POOR / 45

* Lane miles are based on 11' lane widths



Joshua Tree National Park

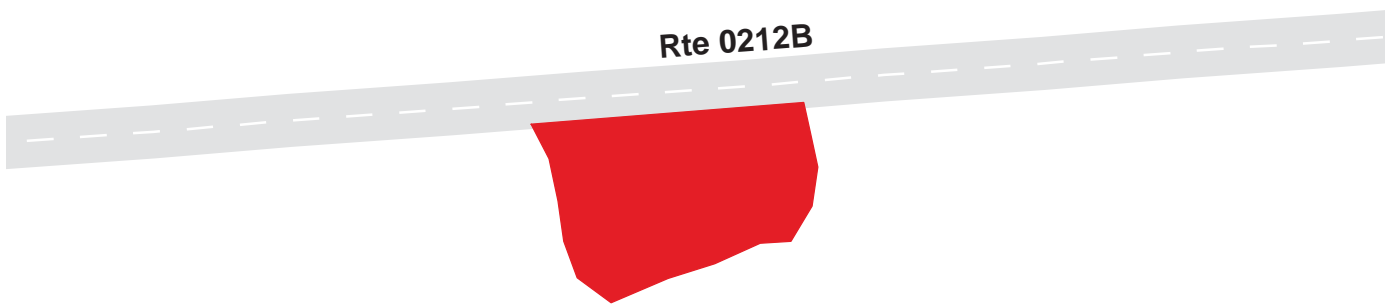
Route 0924F

Indian Cove Parking Area F

Adjacent to Route 0212B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924F	Public	10/30/2002	491	0.01	AS	POOR / 45

* Lane miles are based on 11' lane widths



Joshua Tree National Park

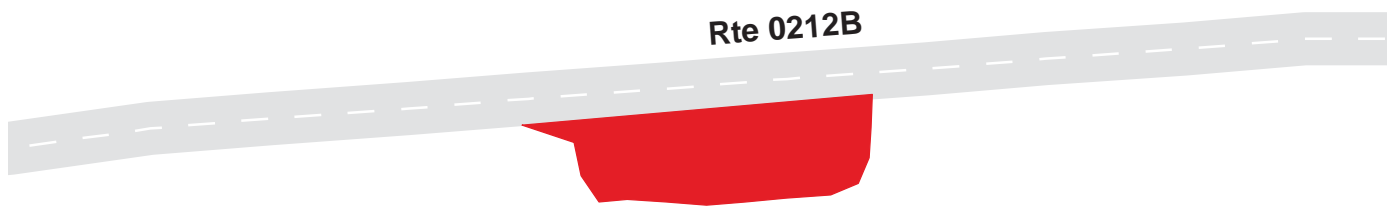
Route 0924G

Indian Cove Parking Area G

Adjacent to Route 0212B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924G	Public	10/30/2002	436	0.01	AS	POOR / 45

* Lane miles are based on 11' lane widths



Joshua Tree National Park

Route 0924H

Indian Cove Parking Area H

Adjacent to Route 0212B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924H	Public	10/30/2002	815	0.01	AS	POOR / 45

* Lane miles are based on 11' lane widths



Joshua Tree National Park

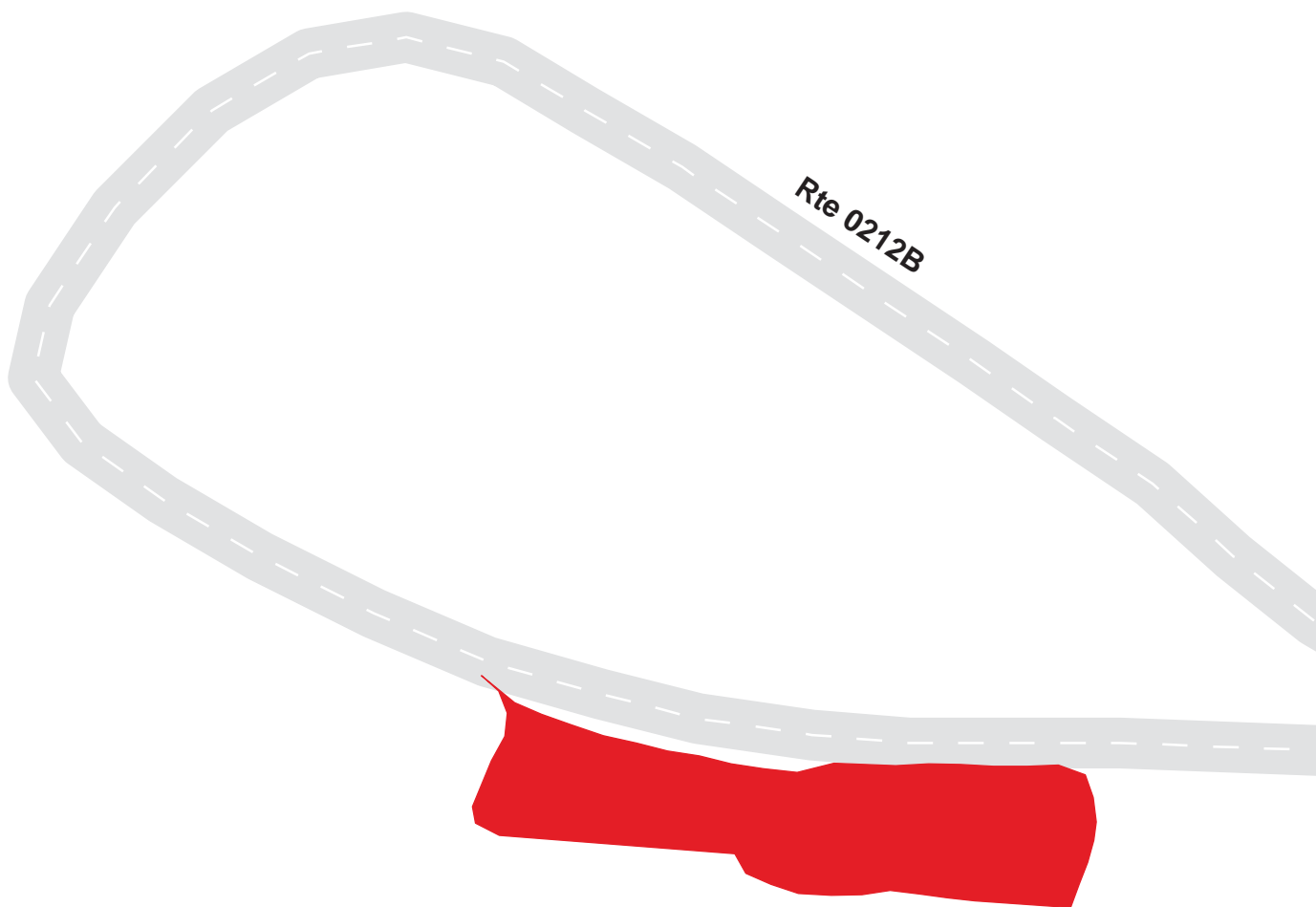
Route 0924I

Indian Cove Parking Area I

Adjacent to Route 0212B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924I	Public	10/30/2002	1766	0.03	AS	POOR / 45

* Lane miles are based on 11' lane widths



Joshua Tree National Park

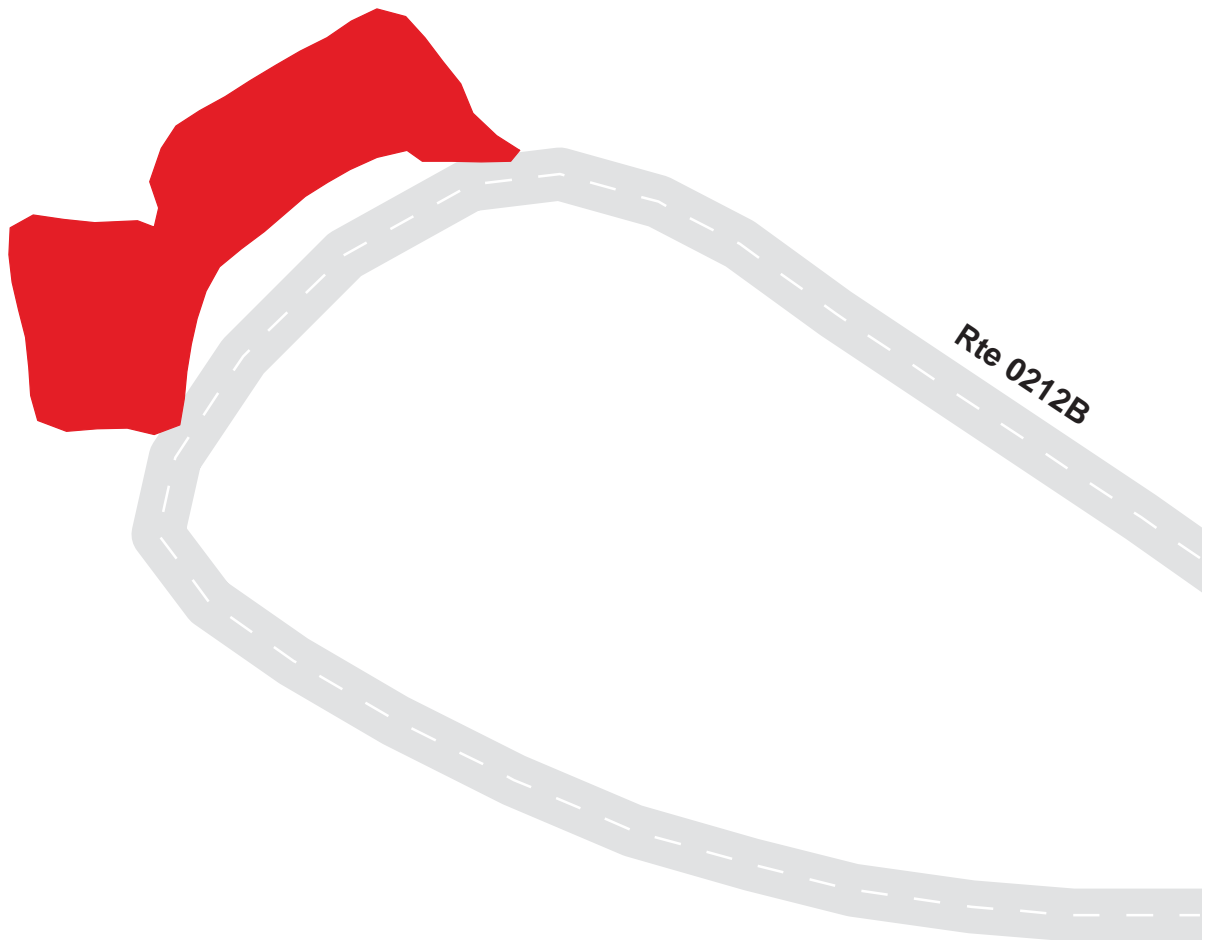
Route 0924J

Indian Cove Parking Area J

Adjacent to Route 0212B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924J	Public	10/30/2002	1779	0.03	AS	POOR / 45

* Lane miles are based on 11' lane widths



Joshua Tree National Park

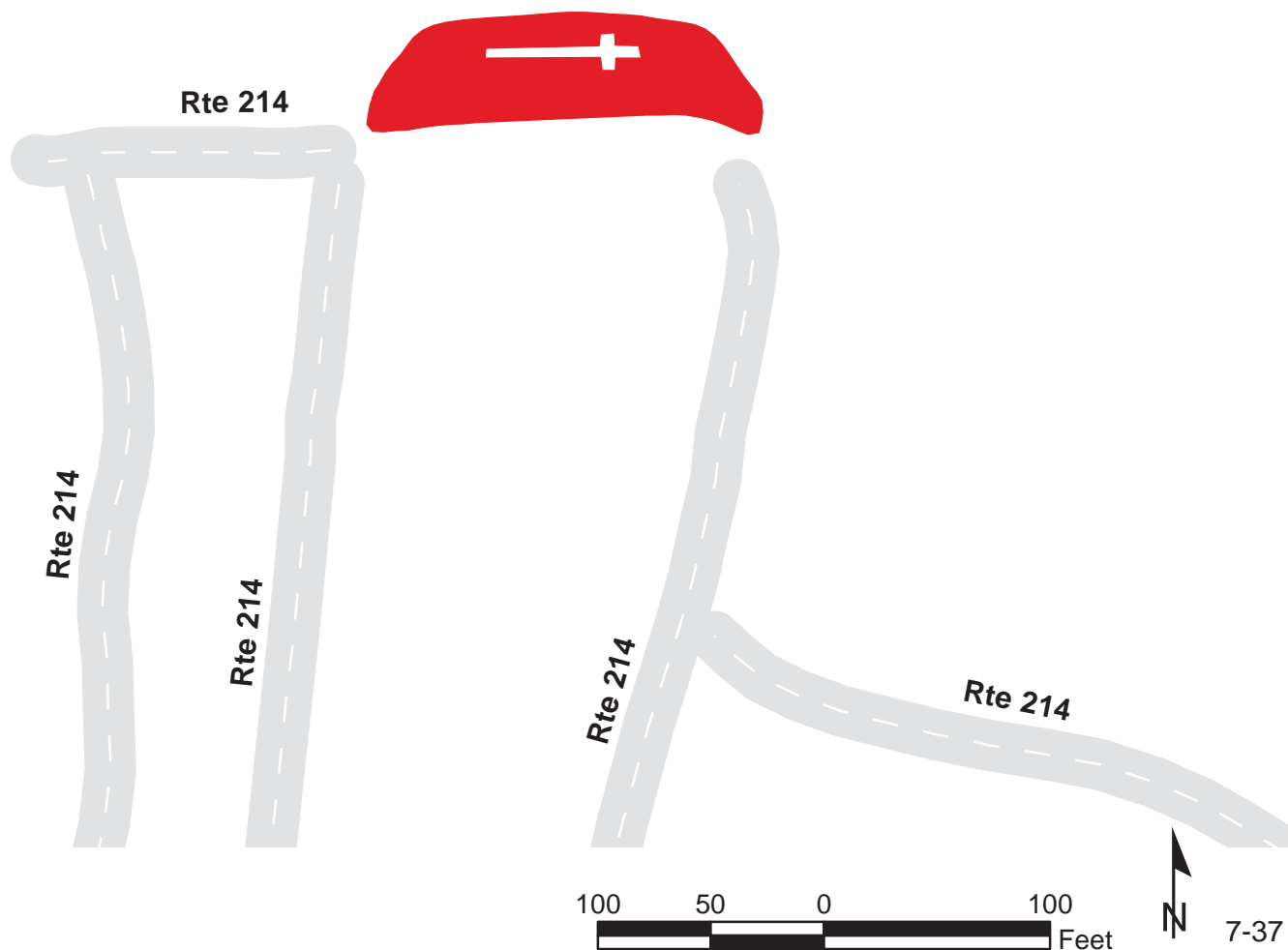
Route 0925

Black Rock Campground Dumpstation

Adjacent to Route 0214

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0925	Public	3/22/2003	5495	0.09	AS	POOR / 45

* Lane miles are based on 11' lane widths



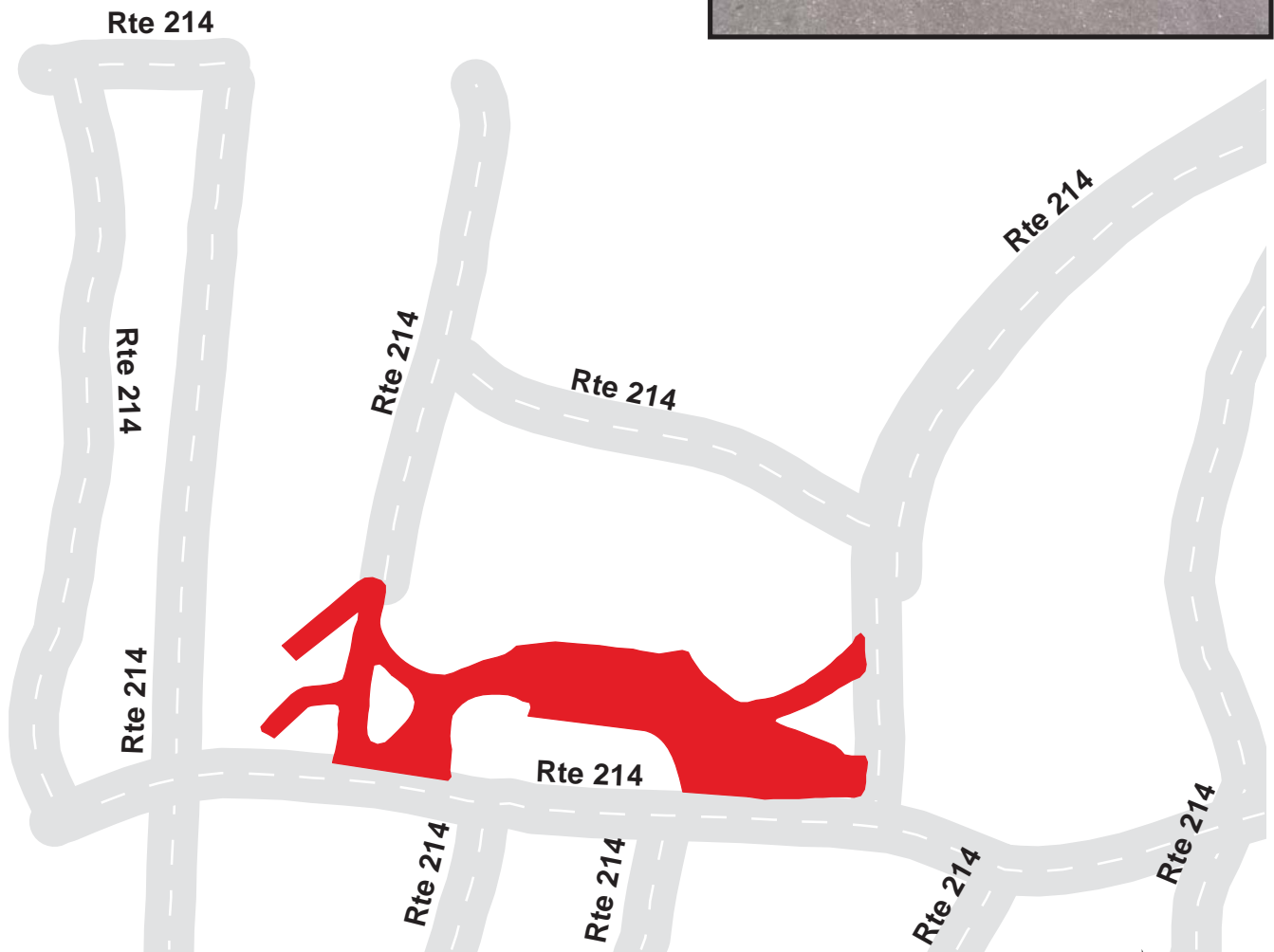
Joshua Tree National Park

Route 0926

Black Rock Campground Visitor Center Parking
Adjacent to Route 0214

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0926	Public	3/22/2003	20840	0.36	AS	POOR / 45

* Lane miles are based on 11' lane widths



7-38

JOTR: PARKWIDE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>PARK TOTAL</i>	<i>UNIT</i>
BRIDGE	0	EACH
CATTLE GUARD	0	EACH
CULVERT	0	EACH
CURB	31,627	LINEAR FEET
DROP INLET	0	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	0	LINEAR FEET
INTERSECTION	171	EACH
LOW WATER CROSSING	16	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	3	EACH
PAVED DITCH	0	LINEAR FEET
PULLOUT	50	EACH
RAILROAD CROSSING	0	EACH
RETAINING WALL	0	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

JOTR: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0011 PINTO BASIN ROAD</i>	<i>ROUTE 0012 EAST-WEST HIGHWAY</i>	<i>ROUTE 0013 KEY'S VIEW ROAD</i>	<i>ROUTE 0100 QUEEN VALLEY ROAD</i>	<i>ROUTE 0200 SPLIT ROCK ROAD</i>	<i>ROUTE 0204 COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	0	EACH
CURB	3,569	27,398	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	14	35	5	0	0	6	EACH
LOW WATER CROSSING	10	4	0	0	0	2	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	1	2	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	16	33	1	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

JOTR: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0205 BELLE CAMPGROUND ROAD</i>	<i>ROUTE 0206 WHITE TANK CAMPGROUND ROAD</i>	<i>ROUTE 0207 HIDDEN VALLEY CAMPGROUND</i>	<i>ROUTE 0211 SHEEP PASS CAMPGROUND ROAD</i>	<i>ROUTE 0212A INDIAN COVE CAMPGROUND ROAD</i>	<i>ROUTE 0212B INDIAN COVE CAMPGROUND ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	0	EACH
CURB	0	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	0	0	2	1	3	12	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

JOTR: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0212C INDIAN COVE CAMPGROUND ROAD</i>	<i>ROUTE 0212D INDIAN COVE CAMPGROUND ROAD</i>	<i>ROUTE 0212E INDIAN COVE CAMPGROUND ROAD</i>	<i>ROUTE 0212F INDIAN COVE CAMPGROUND ROAD</i>	<i>ROUTE 0213 49 PALMS OASIS ACCESS ROAD</i>	<i>ROUTE 0216A COTTONWOOD CAMPGROUND LOOP A</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	0	EACH
CURB	0	0	0	0	0	512	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	11	2	7	1	4	30	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

JOTR: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0216B COTTONWOOD CAMPGROUND LOOP B</i>	<i>ROUTE 0400 MAINTENANCE ROAD</i>	<i>ROUTE 0406 COTTONWOOD RESIDENTIAL ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	EACH
CATTLE GUARD	0	0	0	EACH
CULVERT	0	0	0	EACH
CURB	63	84	0	LINEAR FEET
DROP INLET	0	0	0	EACH
GUARD WALL	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	LINEAR FEET
INTERSECTION	32	2	4	EACH
LOW WATER CROSSING	0	0	0	EACH
OVERHEAD SIGN	0	0	0	EACH
PARK BOUNDARY	0	0	0	EACH
PAVED DITCH	0	0	0	LINEAR FEET
PULLOUT	0	0	0	EACH
RAILROAD CROSSING	0	0	0	EACH
RETAINING WALL	0	0	0	EACH
STATE BOUNDARY	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	EACH
TUNNEL	0	0	0	EACH
TURNOUT	0	0	0	LINEAR FEET

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : PINTO BASIN ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 12 MP 46 LEFT
0.050	0.050	INTERSECTION	LEFT	ROUTE 400
1.323	1.323	INTERSECTION	LEFT	ROUTE 400
2.200	2.200	INTERSECTION	RIGHT	ROUTE 902
2.706	2.706	INTERSECTION	LEFT	ROUTE 206
3.115	3.115	INTERSECTION	RIGHT	ROUTE 903
4.375	4.375	INTERSECTION	LEFT	SERVICE ROAD
5.347	5.373	PULLOUT	LEFT	
6.324	6.367	PULLOUT	RIGHT	
7.059	7.102	PULLOUT	LEFT	
7.123	7.173	PULLOUT	RIGHT	
22.922	22.922	INTERSECTION	LEFT	ROUTE 104
25.222	25.259	PULLOUT	LEFT	
27.297	27.297	INTERSECTION	LEFT	
29.688	29.688	INTERSECTION	LEFT	ROUTE 904
29.763	29.763	INTERSECTION	LEFT	ROUTE 204
29.776	29.776	INTERSECTION	RIGHT	ROUTE 403
30.289	30.289	LOW WATER CROSSING	RIGHT	
30.385	30.385	LOW WATER CROSSING	RIGHT	
30.510	30.510	LOW WATER CROSSING	RIGHT	
31.054	31.054	LOW WATER CROSSING	RIGHT	
31.431	31.431	LOW WATER CROSSING	RIGHT	
31.457	31.457	INTERSECTION	RIGHT	UNPAVED
31.529	31.604	PULLOUT	RIGHT	
31.535	31.589	CURB	RIGHT	
31.626	31.626	LOW WATER CROSSING	RIGHT	
31.685	31.719	PULLOUT	LEFT	

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : PINTO BASIN ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
31.686	31.715	CURB	LEFT	
31.786	31.786	LOW WATER CROSSING	RIGHT	
31.860	31.915	PULLOUT	RIGHT	
31.860	32.031	CURB	RIGHT	
31.974	32.016	CURB	LEFT	
31.977	32.019	PULLOUT	LEFT	
32.182	32.182	LOW WATER CROSSING	RIGHT	
32.297	32.338	CURB	LEFT	
32.299	32.341	PULLOUT	LEFT	
32.377	32.420	CURB	RIGHT	
32.380	32.415	PULLOUT	RIGHT	
32.466	32.466	LOW WATER CROSSING	RIGHT	
32.759	32.759	LOW WATER CROSSING	RIGHT	
33.024	33.077	PULLOUT	RIGHT	
33.029	33.063	CURB	RIGHT	
33.567	33.625	CURB	LEFT	
33.568	33.621	PULLOUT	LEFT	
33.572	33.625	CURB	RIGHT	
33.577	33.623	PULLOUT	RIGHT	
34.460	34.515	CURB	RIGHT	
34.466	34.511	PULLOUT	RIGHT	
34.550	34.603	CURB	LEFT	
34.551	34.610	PULLOUT	LEFT	
35.113	35.116	CURB	LEFT	
35.120	35.120	INTERSECTION	LEFT	ROUTE 909
35.131	35.167	CURB	LEFT	
35.173	35.173	INTERSECTION	LEFT	ROUTE 909

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : PINTO BASIN ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
35.182	35.186	CURB	LEFT	
35.550	35.550			ROUTE ENDS AT SOUTH PARK BOUNDARY

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : EAST-WEST HIGHWAY

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT 29 PALMS ENTRANCE
0.020	0.110	PULLOUT	RIGHT	
0.086	0.086	INTERSECTION	RIGHT	ROUTE 919
0.520	0.520	INTERSECTION	LEFT	ROUTE (T579)
0.521	0.521	INTERSECTION	RIGHT	UNPAVED PARKING
1.640	1.788	CURB	LEFT	
4.503	4.542	PULLOUT	LEFT	
4.506	4.541	CURB	LEFT	
4.633	4.633	INTERSECTION	LEFT	ROUTE 011
4.765	4.765	LOW WATER CROSSING	RIGHT	
5.045	5.070	PULLOUT	RIGHT	
5.048	5.067	CURB	RIGHT	
5.620	5.653	PULLOUT	RIGHT	
5.622	5.641	CURB	RIGHT	
5.658	5.692	PULLOUT	LEFT	
5.662	5.690	CURB	LEFT	
6.222	6.250	PULLOUT	LEFT	
6.226	6.248	CURB	LEFT	
6.615	6.633	PULLOUT	RIGHT	
6.616	6.632	CURB	RIGHT	
6.676	6.692	CURB	LEFT	
6.676	6.697	PULLOUT	LEFT	
6.832	6.832	INTERSECTION	LEFT	ROUTE 201
6.835	6.835	INTERSECTION	RIGHT	ROUTE 200
7.154	7.185	PULLOUT	RIGHT	
7.157	7.177	CURB	RIGHT	
7.233	7.233	LOW WATER CROSSING	RIGHT	

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : EAST-WEST HIGHWAY

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
7.455	7.495	CURB	LEFT	
7.455	7.496	PULLOUT	LEFT	
7.459	7.503	PULLOUT	RIGHT	
7.461	7.499	CURB	RIGHT	
8.097	8.097	INTERSECTION	LEFT	ROUTE 203
9.163	9.194	CURB	LEFT	
9.171	9.187	PULLOUT	LEFT	
9.514	9.544	PULLOUT	RIGHT	
9.516	9.544	CURB	RIGHT	
9.703	9.703	INTERSECTION	LEFT	ROUTE 300
9.707	9.707	INTERSECTION	RIGHT	ROUTE 300
10.413	10.413	INTERSECTION	RIGHT	ROUTE 105
11.690	11.690	INTERSECTION	RIGHT	SERVICE ROAD
11.916	11.916	INTERSECTION	RIGHT	
12.190	12.190	INTERSECTION	LEFT	ROUTE 211
12.805	12.805	INTERSECTION	LEFT	ROUTE 912
12.953	12.953	INTERSECTION	LEFT	ROUTE 912
13.571	13.571	INTERSECTION	RIGHT	
13.997	13.997	INTERSECTION	LEFT	ROUTE 911
14.054	14.054	INTERSECTION	LEFT	ROUTE 911
14.352	14.352	INTERSECTION	LEFT	UNPAVED
14.422	14.422	INTERSECTION	LEFT	ROUTE 209
14.950	14.950	INTERSECTION	LEFT	ROUTE 013
15.137	15.142	CURB	LEFT	
15.143	15.143	INTERSECTION	LEFT	
15.153	15.159	CURB	LEFT	
15.189	15.196	CURB	LEFT	

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : EAST-WEST HIGHWAY

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
15.190	15.190	INTERSECTION	LEFT	ROUTE 920
15.206	15.209	CURB	LEFT	
15.302	15.325	CURB	RIGHT	
15.303	15.327	PULLOUT	RIGHT	
15.323	15.323	INTERSECTION	LEFT	UNPAVED
15.446	15.473	PULLOUT	LEFT	
15.446	15.474	CURB	LEFT	
15.711	15.737	CURB	RIGHT	
15.713	15.738	PULLOUT	RIGHT	
15.969	15.991	CURB	LEFT	
15.970	15.995	PULLOUT	LEFT	
16.206	16.231	CURB	RIGHT	
16.206	16.232	PULLOUT	RIGHT	
16.361	16.389	CURB	LEFT	
16.366	16.393	PULLOUT	LEFT	
16.435	16.655	CURB	LEFT	
16.442	16.535	CURB	RIGHT	
16.538	16.538	INTERSECTION	RIGHT	ROUTE 100
16.550	16.660	CURB	RIGHT	
16.606	16.644	PULLOUT	LEFT	
16.662	16.662	INTERSECTION	LEFT	ROUTE 918
16.665	16.665	INTERSECTION	RIGHT	ROUTE 922
16.673	17.624	CURB	LEFT	
16.679	17.738	CURB	RIGHT	
16.974	17.028	PULLOUT	LEFT	
16.980	17.036	PULLOUT	RIGHT	
17.355	17.416	PULLOUT	LEFT	

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : EAST-WEST HIGHWAY

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
17.626	17.626	INTERSECTION	LEFT	ROUTE 921
17.636	17.686	CURB	LEFT	
17.687	17.687	INTERSECTION	LEFT	ROUTE 921
17.699	17.735	CURB	LEFT	
17.740	17.740	LOW WATER CROSSING	RIGHT	
17.751	18.005	CURB	LEFT	
17.753	18.010	CURB	RIGHT	
17.791	17.832	PULLOUT	LEFT	
17.793	17.832	PULLOUT	RIGHT	
18.007	18.007	INTERSECTION	LEFT	PRIVATE PROPERTY
18.013	18.187	CURB	RIGHT	
18.016	18.186	CURB	LEFT	
18.130	18.172	PULLOUT	LEFT	
18.296	18.322	CURB	RIGHT	
18.299	18.322	PULLOUT	RIGHT	
18.331	18.359	CURB	LEFT	
18.333	18.358	PULLOUT	LEFT	
18.452	18.452	LOW WATER CROSSING	RIGHT	
18.602	19.093	CURB	LEFT	
18.607	18.940	CURB	RIGHT	
18.751	18.788	PULLOUT	LEFT	
18.944	18.944	INTERSECTION	RIGHT	BOY SCOUT TRAILHEAD PARKING
18.953	19.095	CURB	RIGHT	
19.175	19.207	CURB	LEFT	
19.175	19.211	PULLOUT	LEFT	
19.197	19.227	CURB	RIGHT	
19.200	19.228	PULLOUT	RIGHT	

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : EAST-WEST HIGHWAY

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
19.547	19.547	INTERSECTION	LEFT	ROUTE 913
19.592	19.592	INTERSECTION	LEFT	
21.447	21.499	CURB	RIGHT	
21.449	21.494	PULLOUT	RIGHT	
23.010	23.058	CURB	LEFT	
23.014	23.057	PULLOUT	LEFT	
23.660	23.660	INTERSECTION	RIGHT	
24.970	24.970	INTERSECTION	LEFT	ROUTE 914
25.480	25.480			ROUTE ENDS AT JOSHUA TREE ENTRANCE

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : KEY'S VIEW ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 012 MP 150 LEFT
0.201	0.201	INTERSECTION	LEFT	
0.225	0.225	INTERSECTION	LEFT	
1.085	1.085	INTERSECTION	RIGHT	ROUTE 404
5.132	5.157	PULLOUT	LEFT	
5.467	5.467	INTERSECTION	RIGHT	BOY SCOUT TRAILHEAD PARKING
5.471	5.471	INTERSECTION	LEFT	
5.480	5.480			ROUTE ENDS AT ROUTE 915

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0100 : QUEEN VALLEY ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
NO MAINTENANCE FEATURES IN ROUTE.				
0.000	0.000			ROUTE BEGINS AT ROUTE 012 MP 163 RIGHT
0.000	0.000			ROUTE ENDS AT END OF PAVEMNET

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0200 : SPLIT ROCK ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
NO MAINTENANCE FEATURES IN ROUTE.				
0.000	0.000			ROUTE BEGINS AT ROUTE 012
0.550	0.550			ROUTE ENDS AT ROUTE 910

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0204 : COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 011 MP 298 LEFT
0.012	0.012	INTERSECTION	LEFT	ROUTE 904
0.267	0.267	INTERSECTION	LEFT	ROUTE 406
0.371	0.371	INTERSECTION	RIGHT	UNPAVED
0.453	0.453	INTERSECTION	LEFT	ROUTE 906
0.488	0.488	INTERSECTION	LEFT	ROUTE 906
0.690	0.690	INTERSECTION	LEFT	ROUTE 216A
0.900	0.900	LOW WATER CROSSING	RIGHT	
1.006	1.006	LOW WATER CROSSING	RIGHT	
1.150	1.150			ROUTE ENDS AT ROUTE 908

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0205 : BELLE CAMPGROUND ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
NO MAINTENANCE FEATURES IN ROUTE.				
0.000	0.000			ROUTE BEGINS AT ROUTE 011 MP 13 LEFT
0.130	0.130			ROUTE ENDS AT CAMPGROUND

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0206 : WHITE TANK CAMPGROUND ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
NO MAINTENANCE FEATURES IN ROUTE.				
0.000	0.000			ROUTE BEGINS AT ROUTE 011 MP 27 LEFT
0.140	0.140			ROUTE ENDS AT CAMPGROUND

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0207 : HIDDEN VALLEY CAMPGROUND

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 207 UNPAVED
0.018	0.018	INTERSECTION	BOTH	
0.364	0.364	INTERSECTION	LEFT	
0.390	0.390			ROUTE ENDS AT END OF LOOP

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0211 : SHEEP PASS CAMPGROUND ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 012 MP 122 LEFT
0.283	0.283	INTERSECTION	LEFT	
0.300	0.300			ROUTE ENDS AT CAMPGROUND

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212A : INDIAN COVE CAMPGROUND ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT NORTH BOUNDARY
0.042	0.042	INTERSECTION	RIGHT	ROUTE 916
1.682	1.682	INTERSECTION	RIGHT	ROUTE 212B
1.939	1.939	INTERSECTION	LEFT	
1.940	1.940			ROUTE ENDS AT RTE 212C

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212B : INDIAN COVE CAMPGROUND ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 212A ON RIGHT
0.094	0.094	INTERSECTION	LEFT	ROUTE 924A
0.202	0.202	INTERSECTION	LEFT	ROUTE 924B
0.341	0.341	INTERSECTION	LEFT	ROUTE 924D
0.344	0.344	INTERSECTION	LEFT	ROUTE 924C
0.420	0.420	INTERSECTION	LEFT	ROUTE 924E
0.474	0.474	INTERSECTION	LEFT	ROUTE 924F
0.505	0.505	INTERSECTION	LEFT	ROUTE 924G
0.529	0.529	INTERSECTION	LEFT	ROUTE 924H
0.549	0.549	INTERSECTION	BOTH	ROUTE 212B
0.592	0.592	INTERSECTION	RIGHT	ROUTE 924I
0.618	0.618	INTERSECTION	RIGHT	ROUTE 924J
0.644	0.644	INTERSECTION	LEFT	
0.650	0.650			ROUTE ENDS AT END OF LOOP

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212C : INDIAN COVE CAMPGROUND ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT THE END OF ROUTE 212A AROUND LOOP
0.006	0.006	INTERSECTION	RIGHT	
0.070	0.070	INTERSECTION	RIGHT	
0.143	0.143	INTERSECTION	RIGHT	
0.168	0.168	INTERSECTION	RIGHT	
0.227	0.227	INTERSECTION	RIGHT	
0.292	0.292	INTERSECTION	RIGHT	ROUTE 212D
0.540	0.540	INTERSECTION	LEFT	ROUTE 212E
0.541	0.541	INTERSECTION	RIGHT	
0.564	0.564	INTERSECTION	RIGHT	
0.605	0.605	INTERSECTION	RIGHT	ROUTE 212F
0.671	0.671	INTERSECTION	RIGHT	
0.680	0.680			ROUTE ENDS AT N/A

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212D : INDIAN COVE CAMPGROUND ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 212C ON RIGHT
0.519	0.519	INTERSECTION	LEFT	ROUTE 212D
0.614	0.614	INTERSECTION	LEFT	
0.620	0.620			ROUTE ENDS AT END OF LOOP

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212E : INDIAN COVE CAMPGROUND ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 212C ON RIGHT
0.018	0.018	INTERSECTION	LEFT	
0.225	0.225	INTERSECTION	LEFT	
0.731	0.731	INTERSECTION	LEFT	ROUTE 402
1.038	1.038	INTERSECTION	RIGHT	ROUTE 212E
1.039	1.039	INTERSECTION	LEFT	
1.205	1.205	INTERSECTION	RIGHT	
1.306	1.306	INTERSECTION	LEFT	
1.310	1.310			ROUTE ENDS AT END OF LOOP

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212F : INDIAN COVE CAMPGROUND ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 212E ON LEFT
0.215	0.215	INTERSECTION	LEFT	ROUTE 212F
0.230	0.230			ROUTE ENDS AT ROUTE 212C

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0213 : 49 PALMS OASIS ACCESS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT COTTONWOOD ROAD 035 MILES FROM CA 62
0.119	0.119	INTERSECTION	LEFT	UNPAVED
0.122	0.122	INTERSECTION	RIGHT	UNPAVED
0.509	0.509	INTERSECTION	RIGHT	PAVED
1.299	1.299	INTERSECTION	LEFT	
1.300	1.300			ROUTE ENDS AT ROUTE 917

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216A : COTTONWOOD CAMPGROUND LOOP A

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 204
0.026	0.112	CURB	LEFT	
0.045	0.045	INTERSECTION	RIGHT	
0.079	0.079	INTERSECTION	LEFT	ROUTE 907A
0.179	0.179	INTERSECTION	RIGHT	ROUTE 216B
0.261	0.261	INTERSECTION	LEFT	ROUTE 216A
0.277	0.277	INTERSECTION	BOTH	
0.291	0.291	INTERSECTION	BOTH	
0.301	0.301	INTERSECTION	LEFT	
0.310	0.310	INTERSECTION	RIGHT	
0.316	0.327	CURB	LEFT	
0.319	0.319	INTERSECTION	LEFT	ROUTE 907B
0.329	0.329	INTERSECTION	RIGHT	
0.336	0.336	INTERSECTION	LEFT	
0.345	0.345	INTERSECTION	RIGHT	
0.346	0.346	INTERSECTION	LEFT	
0.358	0.358	INTERSECTION	RIGHT	
0.371	0.371	INTERSECTION	RIGHT	
0.382	0.382	INTERSECTION	RIGHT	
0.396	0.396	INTERSECTION	RIGHT	
0.410	0.410	INTERSECTION	RIGHT	
0.413	0.413	INTERSECTION	LEFT	
0.421	0.421	INTERSECTION	RIGHT	
0.425	0.425	INTERSECTION	LEFT	
0.441	0.441	INTERSECTION	BOTH	
0.450	0.450	INTERSECTION	LEFT	
0.458	0.458	INTERSECTION	RIGHT	

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216A : COTTONWOOD CAMPGROUND LOOP A

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.463	0.463	INTERSECTION	LEFT	
0.472	0.472	INTERSECTION	RIGHT	
0.474	0.474	INTERSECTION	LEFT	
0.488	0.488	INTERSECTION	RIGHT	
0.498	0.498	INTERSECTION	RIGHT	
0.514	0.514	INTERSECTION	BOTH	
0.520	0.520			ROUTE ENDS AT CAMPGROUND

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216B : COTTONWOOD CAMPGROUND LOOP B

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 216A
0.015	0.015	INTERSECTION	LEFT	
0.029	0.029	INTERSECTION	RIGHT	
0.031	0.031	INTERSECTION	LEFT	
0.044	0.044	INTERSECTION	LEFT	
0.047	0.047	INTERSECTION	RIGHT	
0.057	0.057	INTERSECTION	LEFT	
0.063	0.063	INTERSECTION	RIGHT	
0.065	0.077	CURB	LEFT	
0.073	0.073	INTERSECTION	LEFT	
0.078	0.078	INTERSECTION	RIGHT	
0.093	0.093	INTERSECTION	LEFT	ROUTE 907C
0.096	0.096	INTERSECTION	RIGHT	
0.104	0.104	INTERSECTION	LEFT	
0.111	0.111	INTERSECTION	RIGHT	
0.124	0.124	INTERSECTION	RIGHT	
0.136	0.136	INTERSECTION	RIGHT	
0.147	0.147	INTERSECTION	RIGHT	
0.157	0.157	INTERSECTION	LEFT	
0.163	0.163	INTERSECTION	RIGHT	
0.165	0.165	INTERSECTION	LEFT	
0.168	0.168	INTERSECTION	LEFT	
0.180	0.180	INTERSECTION	RIGHT	
0.191	0.191	INTERSECTION	LEFT	
0.193	0.193	INTERSECTION	LEFT	
0.193	0.193	INTERSECTION	RIGHT	
0.204	0.204	INTERSECTION	LEFT	

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216B : COTTONWOOD CAMPGROUND LOOP B

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.208	0.208	INTERSECTION	RIGHT	
0.216	0.216	INTERSECTION	LEFT	
0.225	0.225	INTERSECTION	RIGHT	
0.229	0.229	INTERSECTION	LEFT	
0.240	0.240	INTERSECTION	RIGHT	
0.253	0.253	INTERSECTION	RIGHT	
0.269	0.269	INTERSECTION	LEFT	
0.280	0.280			ROUTE ENDS AT CAMPGROUND

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0400 : MAINTENANCE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 011 MP 005 LEFT
0.408	0.408	INTERSECTION	RIGHT	UNPAVED
0.496	0.496	INTERSECTION	LEFT	PAVED
0.503	0.519	CURB	LEFT	
0.520	0.520			ROUTE ENDS AT ROUTE 901

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0406 : COTTONWOOD RESIDENTIAL ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 204 ON LEFT
0.070	0.070	INTERSECTION	LEFT	
0.093	0.093	INTERSECTION	RIGHT	
0.112	0.112	INTERSECTION	RIGHT	
0.134	0.134	INTERSECTION	RIGHT	
0.150	0.150			ROUTE ENDS AT END

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
8330	Numeric Code for Joshua Tree National Park
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
CRS	Condition Rating Sheets. (Section 5)
Drainage Condition Rating	A visual rating (Good, Poor) of the drainage condition. (see Section 10)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value between 61 and 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value between 85 and 94
IRI	International Roughness Index
JOTR	Alpha Code for Joshua Tree National Park
Lane Width	Distance from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MRR	Manually Rated Route
NA	Not Applicable
NC	Not Collected
Paved Width	Distance from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (see Section 10)

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

APPENDIX B: DESCRIPTION OF RATING SYSTEM

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

Data is collected on the following distresses and conditions:

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

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

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

Rating Index Formulas

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

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

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

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

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

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

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

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

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

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

Parking Lot and Manually Rated Road Condition Rating

Surface Condition Distresses- Chip Seal:

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

Ratings - Chip Seal:

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

Surface Condition - Asphalt:

- Cracking of any type
- Rutting
- Potholes/Patching

Ratings - Asphalt:

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

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

Excellent	97
Good	90
Fair	73
Poor	45

Drainage Condition Rating Definitions

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

Drainage Condition Rating Criteria

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

Good Drainage

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

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

Poor Drainage

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

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

Shoulder Condition Rating Definitions

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

Shoulder Rating Criteria

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

Good Shoulders

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

Poor Shoulder

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

APPENDIX C: DIGITAL IMAGE INFORMATION

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

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

APPENDIX D: METADATA

ARAN ROUTE GPS DATA

Background information of route spatial data.

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

Data Collection Device:

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

Accuracy: Expected ground accuracy is 1 meter *

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

Geographic Datum: WGS 1984

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

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

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

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

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

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

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

Specific Caveats

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

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

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

Key to Notes in Tables

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

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

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

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

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

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

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

Access Database Metadata

Master Table Metadata:

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

PMS_Feature Table Metadata:

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

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

PMS 20, PMS Mile & PMS Visidata Tables Metadata:

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

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

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

Cycle 3 Shapefile Metadata

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

All shapefiles have the following spatial characteristics:

Geographic_Coordinate_Units: Decimal degrees
Spheroid: WGS 1984

jotr_mi

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: jotr_mi

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Routes

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -116.265450

East_Bounding_Coordinate: -115.759262

North_Bounding_Coordinate: 34.131641

South_Bounding_Coordinate: 33.675674

Keywords:

Theme:

Theme_Keyword_Thesaurus: JOTR

Theme_Keyword: JOTR

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for routes

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 70

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: jotr_mi

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: FNODE_

Attribute_Definition: Length of feature

Attribute_Definition_Source: ESRI

Attribute:

Attribute_Label: TNODE_

Attribute:

Attribute_Label: LPOLY_

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RPOLY_

Attribute_Definition: Collected route length

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: LENGTH

Attribute_Definition: Numeric PCR definition

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0

Range_Domain_Maximum: 100

Attribute:

Attribute_Label: JOTR_MI_

Attribute_Definition: Verbal PCR definition

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: POOR

Enumerated_Domain_Value_Definition: PCR value <= 60

Enumerated_Domain:

Enumerated_Domain_Value: FAIR

Enumerated_Domain_Value_Definition: PCR value 61-84

Enumerated_Domain:

Enumerated_Domain_Value: GOOD

Enumerated_Domain_Value_Definition: PCR value 85-94

Enumerated_Domain:

Enumerated_Domain_Value: EXCELLENT

Enumerated_Domain_Value_Definition: PCR value 95-100

Attribute:

Attribute_Label: JOTR_MI_ID

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

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition: No edit made to feature.

Attribute:

Attribute_Label: ID

Attribute:

Attribute_Label: RTE_NO

Attribute:

Attribute_Label: BMP

Attribute:

Attribute_Label: EMP

Attribute:

Attribute_Label: PCR

Attribute:

Attribute_Label: PCR_RATE

Attribute:

Attribute_Label: RT_LENGTH

Attribute:

Attribute_Label: PCRMI

Attribute:

Attribute_Label: PCR_RATEMI

Attribute:

Attribute_Label: PCR_RATEAV

Attribute:

Attribute_Label: PCRAV

Attribute:

Attribute_Label: TSR_EDIT

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.016

Metadata_Reference_Information:

Metadata_Date: 20060105

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: EFLHD Sterling

Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

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

Profile_Name: ESRI Metadata Profile

Generated by [mp](#) version 2.7.33 on Thu Jan 05 08:41:44 2006

jotr_mi_pt

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: jotr_mi_pt

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Mile Points

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: Not Available

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -116.258995

East_Bounding_Coordinate: -115.759628

North_Bounding_Coordinate: 34.131641

South_Bounding_Coordinate: 33.683426

Keywords:

Theme:

Theme_Keyword_Thesaurus: JOTR

Theme_Keyword: JOTR

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD Sterling

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for mile points

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Entity point

Point_and_Vector_Object_Count: 89

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: jotr_mi_pt

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: RIP_CYCLE

Attribute_Definition: 3, for data collection cycle 3

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: STATE

Attribute_Definition: State where route is located

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: PARK_NO

Attribute_Definition: Park numeric code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: FUNCT_CLAS

Attribute_Definition: Route functional class

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: DIRECTION

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

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: BEG_MP

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

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: END_MP

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

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: INT_LENGTH

Attribute_Definition: Length of road interval as aggregated from data table

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: RTE_LENGTH

Attribute_Definition: Collected route length

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: NO_LANES

Attribute_Definition: Number of lanes in route

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: LANE_NO

Attribute_Definition: Data collection lane

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: WX_LANE_WI

Attribute_Definition: WiseCrax (crack detection software) analysis width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: LANE_WIDTH

Attribute_Definition: Width of lane

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: PAVE_WIDTH

Attribute_Definition: Full pavement width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SHLD_WIDTH

Attribute_Definition: Left shoulder width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SHLD_WID_1

Attribute_Definition: Right shoulder width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SHLD_COND_

Attribute_Definition: Left shoulder condition

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: SHLD_COND1

Attribute_Definition: Right shoulder condition

Attribute_Definition_Source: ARAN Data Collection

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

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

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

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

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

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

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

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

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

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

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

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

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

Attribute_Definition_Source: Contractor Post-processing

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.030

Metadata_Reference_Information:

Metadata_Date: 20060105

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: EFLHD Sterling

Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

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

Profile_Name: ESRI Metadata Profile

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jotr_mrl_03_map

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Published Materials

Title: jotr_mrl_03_map

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Copy of Manually Rated Roads - Lines

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 11/18/1998

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -116.391691

East_Bounding_Coordinate: -116.142442

North_Bounding_Coordinate: 34.076033

South_Bounding_Coordinate: 34.014087

Keywords:

Theme:

Theme_Keyword_Thesaurus: JOTR

Theme_Keyword: JOTR

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for parking areas

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 15

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: jotr_mrl_03_map

Entity_Type_Definition_Source: GPS

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Enumerated_Domain:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route Number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NAME

Attribute_Definition: Route Name

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: SECTION_

Attribute_Definition: Route Section ID

Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection

Attribute:

Attribute_Label: SURF_TYPE

Attribute_Definition: Surface type of route

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: CONDITION

Attribute_Definition: Condition rating

Attribute_Domain_Values:

Attribute:

Attribute_Label: COMMENT

Attribute_Definition: Field comment

Attribute:

Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS Collection

Attribute:

Attribute_Label: DATAFILE

Attribute:

Attribute_Label: GPS_DATE_1
Attribute_Definition: Width of the paved area

Attribute:

Attribute_Label: PAVED_MI
Attribute_Definition: Calculated paved miles

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:
Transfer_Size: 0.037

Metadata_Reference_Information:

Metadata_Date: 20060105

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

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

Profile_Name: ESRI Metadata Profile

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jotr_mrl_03

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Published Materials

Title: jotr_mrl_03

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Manually Rated Roads - Lines

Purpose: Road Inventory Program

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 11/18/1998

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -116.391672

East_Bounding_Coordinate: -116.142732

North_Bounding_Coordinate: 34.076072

South_Bounding_Coordinate: 34.013845

Keywords:

Theme:

Theme_Keyword_Thesaurus: JOTR

Theme_Keyword: JOTR

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

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

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

*Data_Quality_Information:**Attribute_Accuracy:**Attribute_Accuracy_Report:* Good*Completeness_Report:* Complete for parking areas*Lineage:**Source_Information:**Type_of_Source_Media:* GPS*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* String*Point_and_Vector_Object_Count:* 15*Spatial_Reference_Information:**Horizontal_Coordinate_System_Definition:**Geographic:**Latitude_Resolution:* 0.000000*Longitude_Resolution:* 0.000000*Geographic_Coordinate_Units:* Decimal degrees*Geodetic_Model:**Horizontal_Datum_Name:* North American Datum of 1927*Ellipsoid_Name:* Clarke 1866*Semi-major_Axis:* 6378206.400000*Denominator_of_Flattening_Ratio:* 294.978698

*Entity_and_Attribute_Information:**Detailed_Description:**Entity_Type:**Entity_Type_Label:* jotr_mrl_03*Entity_Type_Definition_Source:* GPS*Attribute:**Attribute_Label:* FID*Attribute_Definition:* Internal feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Enumerated_Domain:**Unrepresentable_Domain:*

Sequential unique whole numbers that are automatically generated.

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

*Attribute:**Attribute_Label:* GPS_DATE_1*Attribute_Definition:* Width of the paved area*Attribute:**Attribute_Label:* PAVED_MI*Attribute_Definition:* Calculated paved miles

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

*Metadata_Reference_Information:**Metadata_Date:* 20060105*Metadata_Contact:**Contact_Information:**Contact_Organization_Primary:**Contact_Organization:* EFLHD Sterling*Contact_Person:* Dan VanGilder*Contact_Position:* GIS Coordinator*Contact_Address:**Address_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State_or_Province:* Virginia*Postal_Code:* 20166*Country:* United States*Contact_Voice_Telephone:* 703-404-6361*Contact_Electronic_Mail_Address:* dvangilder@fhwa.dot.gov*Metadata_Standard_Name:* FGDC Content Standards for Digital Geospatial Metadata*Metadata_Standard_Version:* FGDC-STD-001-1998*Metadata_Time_Convention:* local time*Metadata_Extensions:**Online_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>*Profile_Name:* ESRI Metadata Profile

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jotr_mrp_03_map

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Unknown

Title: jotr_mrp_03_map

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Manually Rated Roads - Polygons

Purpose: Road Inventory Program

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 11/19/1998

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -116.067944

East_Bounding_Coordinate: -116.057600

North_Bounding_Coordinate: 33.993210

South_Bounding_Coordinate: 33.990498

Keywords:

Theme:

Theme_Keyword_Thesaurus: JOTR

Theme_Keyword: JOTR

Access_Constraints: None

Use_Constraints: None

Point_of_Contact:

Contact_Information:

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

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

*Data_Quality_Information:**Attribute_Accuracy:**Attribute_Accuracy_Report:* Good*Completeness_Report:* Complete for manually rated roads.*Lineage:**Source_Information:**Type_of_Source_Media:* GPS*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* G-polygon*Point_and_Vector_Object_Count:* 1*Spatial_Reference_Information:**Horizontal_Coordinate_System_Definition:**Geographic:**Latitude_Resolution:* 0.000000*Longitude_Resolution:* 0.000000*Geographic_Coordinate_Units:* Decimal degrees*Geodetic_Model:**Horizontal_Datum_Name:* North American Datum of 1927*Ellipsoid_Name:* Clarke 1866*Semi-major_Axis:* 6378206.400000*Denominator_of_Flattening_Ratio:* 294.978698

*Entity_and_Attribute_Information:**Detailed_Description:**Entity_Type:**Entity_Type_Label:* jotr_mrp_03_map*Attribute:**Attribute_Label:* FID*Attribute_Definition:* Internal feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:**Attribute_Label:* Shape*Attribute_Definition:* Feature geometry.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:* Coordinates defining the features.*Attribute:**Attribute_Label:* PARK_ALPHA*Attribute_Definition:* Park alpha code*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* RTE_NO*Attribute_Definition:* Route Number*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* RTE_NAME*Attribute_Definition:* Route Name*Attribute_Definition_Source:* Route ID Meeting*Attribute:**Attribute_Label:* SECTION_*Attribute_Definition:* Route section ID*Attribute:**Attribute_Label:* SURF_TYPE*Attribute_Definition:* Surface type of route*Attribute:**Attribute_Label:* CONDITION*Attribute_Definition:* Condition rating*Attribute:**Attribute_Label:* COMMENT*Attribute_Definition:* Field comment*Attribute:**Attribute_Label:* GPS_DATE*Attribute_Definition:* Date of GPS collection*Attribute:**Attribute_Label:* DATAFILE*Attribute:**Attribute_Label:* GPS_DATE_1*Attribute_Definition:* Area of manually rated road in square feet*Attribute:**Attribute_Label:* SQ_FT

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

*Metadata_Reference_Information:**Metadata_Date:* 20060105*Metadata_Contact:**Contact_Information:**Contact_Organization_Primary:**Contact_Organization:* EFLHD Sterling*Contact_Person:* Dan VanGilder*Contact_Position:* GIS Coordinator*Contact_Address:**Address_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State_or_Province:* Virginia*Postal_Code:* 20166*Country:* United States*Contact_Voice_Telephone:* 703-404-6361*Contact_Electronic_Mail_Address:* dvangilder@fhwa.dot.gov*Metadata_Standard_Name:* FGDC Content Standards for Digital Geospatial Metadata*Metadata_Standard_Version:* FGDC-STD-001-1998*Metadata_Time_Convention:* local time*Metadata_Extensions:**Online_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>*Profile_Name:* ESRI Metadata Profile

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jotr_nonnps

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: jotr_nonnps

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: non-NPS roads

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -116.399135

East_Bounding_Coordinate: -116.036539

North_Bounding_Coordinate: 34.135754

South_Bounding_Coordinate: 34.076057

Keywords:

Theme:

Theme_Keyword_Thesaurus: JOTR

Theme_Keyword: JOTR

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for non-NPS roads

Lineage:

Source_Information:

Type_of_Source_Media: Heads-up digitized

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 2

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: jotr_nonnps

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: Id

Attribute_Definition: Name of road if available

Attribute:

Attribute_Label: Name

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.008

Metadata_Reference_Information:

Metadata_Date: 20060105

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: EFLHD Sterling

Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

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

Profile_Name: ESRI Metadata Profile

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jotr_pkg_03_map

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Unknown

Title: jotr_pkg_03_map

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Copy of Parking Areas

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 11/18/1998

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -116.391272

East_Bounding_Coordinate: -115.801730

North_Bounding_Coordinate: 34.129479

South_Bounding_Coordinate: 33.680843

Keywords:

Theme:

Theme_Keyword_Thesaurus: JOTR

Theme_Keyword: JOTR

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for parking areas

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: G-polygon

Point_and_Vector_Object_Count: 39

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: jotr_pkg_03_map

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NAME

Attribute_Definition: Route name

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: FEATURE

Attribute:

Attribute_Label: SURF_TYPE

Attribute_Definition: Surface type of route

Attribute_Domain_Values:

Attribute:

Attribute_Label: CONDITION

Attribute_Definition: Condition rating for route

Attribute:

Attribute_Label: PHOTOS

Attribute_Definition: Photo filename associated with feature

Attribute:

Attribute_Label: COMMENT

Attribute_Definition: Field comment

Attribute:

Attribute_Label: GPS_DATE

Attribute_Definition: Date of GPS collection

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

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

*Metadata_Reference_Information:**Metadata_Date:* 20060105*Metadata_Contact:**Contact_Information:**Contact_Organization_Primary:**Contact_Organization:* EFLHD Sterling*Contact_Person:* Dan VanGilder*Contact_Position:* GIS Coordinator*Contact_Address:**Address_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State_or_Province:* Virginia*Postal_Code:* 20166*Country:* United States*Contact_Voice_Telephone:* 703-404-6361*Contact_Electronic_Mail_Address:* dvangilder@fhwa.dot.gov*Metadata_Standard_Name:* FGDC Content Standards for Digital Geospatial Metadata*Metadata_Standard_Version:* FGDC-STD-001-1998*Metadata_Time_Convention:* local time*Metadata_Extensions:**Online_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>*Profile_Name:* ESRI Metadata Profile

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jotr_pkg_03

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Unknown

Title: jotr_pkg_03

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Parking Areas

Purpose: Road Inventory Program

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 11/18/1998

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -116.391331

East_Bounding_Coordinate: -115.801695

North_Bounding_Coordinate: 34.129466

South_Bounding_Coordinate: 33.680866

Keywords:

Theme:

Theme_Keyword_Thesaurus: JOTR

Theme_Keyword: JOTR

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

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

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

*Data_Quality_Information:**Attribute_Accuracy:**Attribute_Accuracy_Report:* Good*Completeness_Report:* Complete for parking areas*Lineage:**Source_Information:**Type_of_Source_Media:* GPS*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* G-polygon*Point_and_Vector_Object_Count:* 39*Spatial_Reference_Information:**Horizontal_Coordinate_System_Definition:**Geographic:**Latitude_Resolution:* 0.000000*Longitude_Resolution:* 0.000000*Geographic_Coordinate_Units:* Decimal degrees*Geodetic_Model:**Horizontal_Datum_Name:* North American Datum of 1927*Ellipsoid_Name:* Clarke 1866*Semi-major_Axis:* 6378206.400000*Denominator_of_Flattening_Ratio:* 294.978698

*Entity_and_Attribute_Information:**Detailed_Description:**Entity_Type:**Entity_Type_Label:* jotr_pkg_03*Attribute:**Attribute_Label:* FID*Attribute_Definition:* Internal feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:*

Sequential unique whole numbers that are automatically generated.

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

Attribute_Definition: Feature area in square feet

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.018

Metadata_Reference_Information:

Metadata_Date: 20060105

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: EFLHD Sterling

Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

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

Profile_Name: ESRI Metadata Profile

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jotr_seg

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: jotr_seg

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Routes

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -116.265450

East_Bounding_Coordinate: -115.759262

North_Bounding_Coordinate: 34.131641

South_Bounding_Coordinate: 33.675674

Keywords:

Theme:

Theme_Keyword_Thesaurus: JOTR

Theme_Keyword: JOTR

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for routes

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 333

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: jotr_seg

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: FNODE_

Attribute_Definition: Length of feature

Attribute_Definition_Source: ESRI

Attribute:

Attribute_Label: TNODE_

Attribute:

Attribute_Label: LPOLY_

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RPOLY_

Attribute_Definition: Collected route length

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: LENGTH

Attribute_Definition:

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

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0

Range_Domain_Maximum: 100

Attribute:

Attribute_Label: JOTR_SEG_

Attribute_Definition: Verbal PCR definition based on value in PCRAV field

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: POOR

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

Attribute:

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

Attribute:

Attribute_Label: ID

Attribute:

Attribute_Label: RTE_NO

Attribute:

Attribute_Label: BMP

Attribute:

Attribute_Label: EMP

Attribute:

Attribute_Label: PCR

Attribute:

Attribute_Label: PCR_RATE

Attribute:

Attribute_Label: RT_LENGTH

Attribute:

Attribute_Label: PCRMI

Attribute:

Attribute_Label: PCR_RATEMI

Attribute:

Attribute_Label: PCR_RATEAV

Attribute:

Attribute_Label: PCRAV

Attribute:

Attribute_Label: TSR_EDIT

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20060105
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>
Profile_Name: ESRI Metadata Profile

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