national park service

The Road Inventory
of
Joshua Tree National Park
JOTR – 8330
Cycle 4

Prepared By:
Federal Highway Administration
Road Inventory Program
Cycle 4

Joshua Tree National Park
in
California

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Joshua Tree National Park

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Introduction

INTRODUCTION

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

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

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

In an effort to maintain and update the RIP data, a cyclical data collection and reporting process was reestablished in the 1990's. The FLH completed two cycles of RIP data collection between 1994 and 2001. Cycle 1 was collected in 44 large parks from 1994 to 1996. This data was found to be unusable for comparison to future cycles. Cycle 2 data was collected from March 1997 to January 2001 in 79 large parks and 5 small parks containing 4,874 route miles. Each park received a copy of a Cycle 2 RIP Report, also known as the "Blue Book". Cycle 3 was completed from 2001 through 2004, and included data collection in all parks that contain pavement.

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

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

will provide information for planning and programming road maintenance, rehabilitation, and reconstruction activities. RIP data will provide the basic information for this system.

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

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

In the Cycle 4 Reports, a general condition rating of excellent, good, fair and poor is ascribed to each one-mile section of paved roadway, and to each paved parking area. This condition rating system provides a realistic means of assessing the general funding needs for road improvements. Along with these descriptive condition ratings, a numerical rating between 0 and 100 is ascribed to each mile of road and to each parking area. This numerical rating is called a Pavement Condition Rating (PCR). The PCR rating system is described in Section 10 of this report.

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

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

The FHWA RIP Team

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Joshua Tree National Park

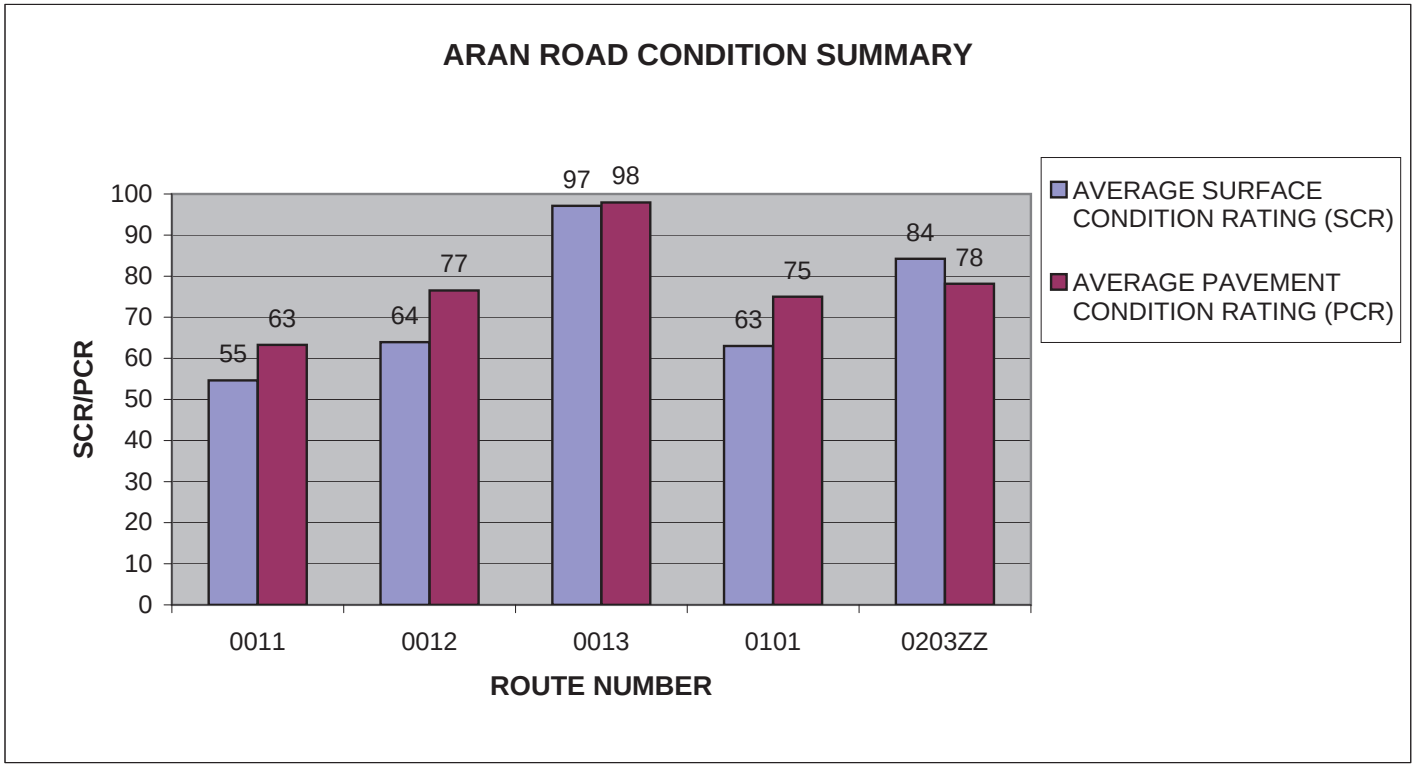
Section 2
Park Summary Information

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

F.C.	Pavement Condition Rating (PCR)								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	16.90	20.14%	39.98	47.64%	4.94	5.89%	7.01	8.35%	**68.83**
2	3.85	4.59%	3.58	4.27%	0.12	0.14%	0.02	0.02%	**7.57**
3	1.03	1.23%	2.00	2.38%	0.43	0.51%	0.04	0.05%	**3.50**
4									
5	0.23	0.27%	0.30	0.36%	0.14	0.17%			**0.67**
6	3.35	3.99%							**3.35**
7									
8									
Totals	**25.36**	**30.22%**	**45.86**	**54.65%**	**5.63**	**6.71%**	**7.07**	**8.42%**	**83.92**

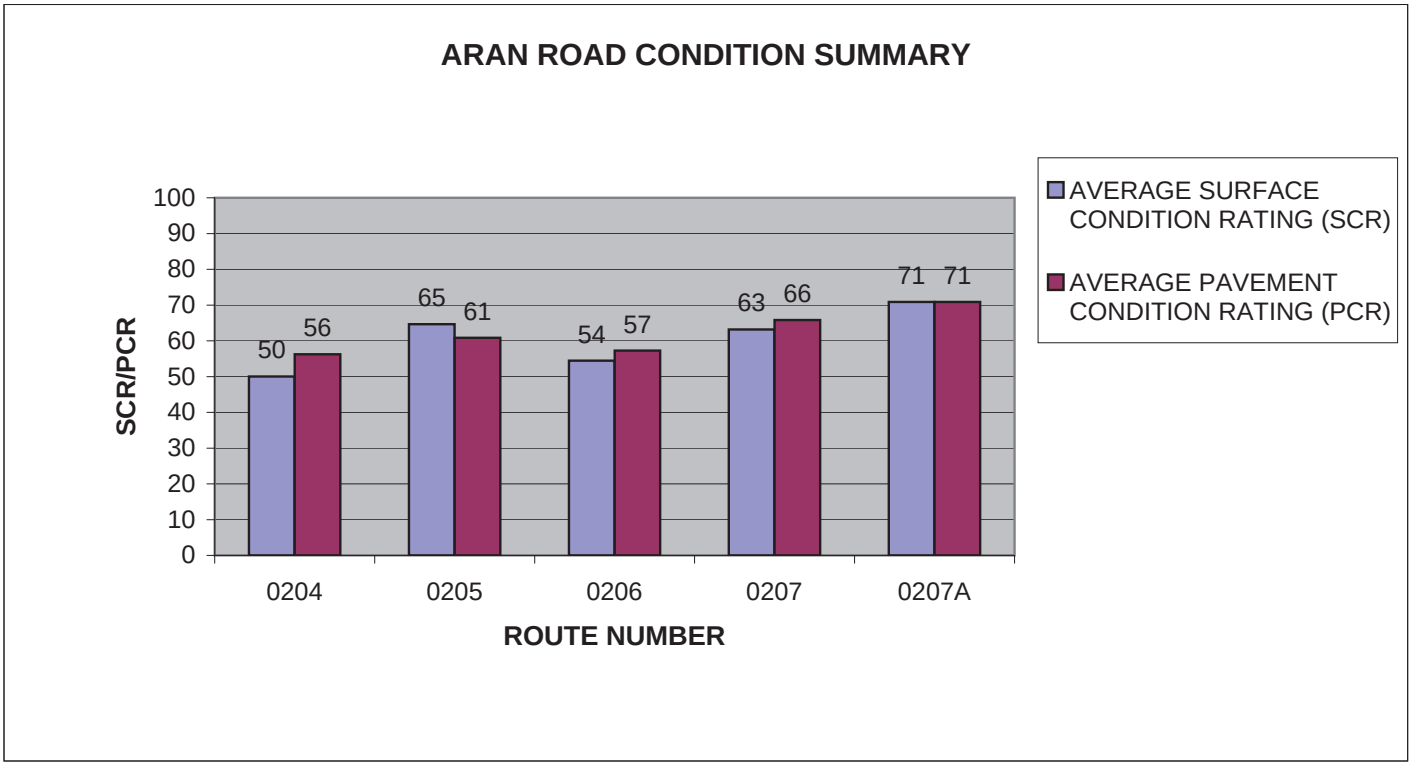
JOTR: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0011	PINTO BASIN ROAD	1	35.82	ASPHALT	55	63
0012	EAST-WEST HIGHWAY	1	27.51	ASPHALT	64	77
0013	KEY'S VIEW ROAD	1	5.50	ASPHALT	97	98
0101	BARKER DAM ROAD	2	1.51	ASPHALT	63	75
0203ZZ	JUMBO ROCKS CAMPGROUND	3	1.32	ASPHALT	84	78



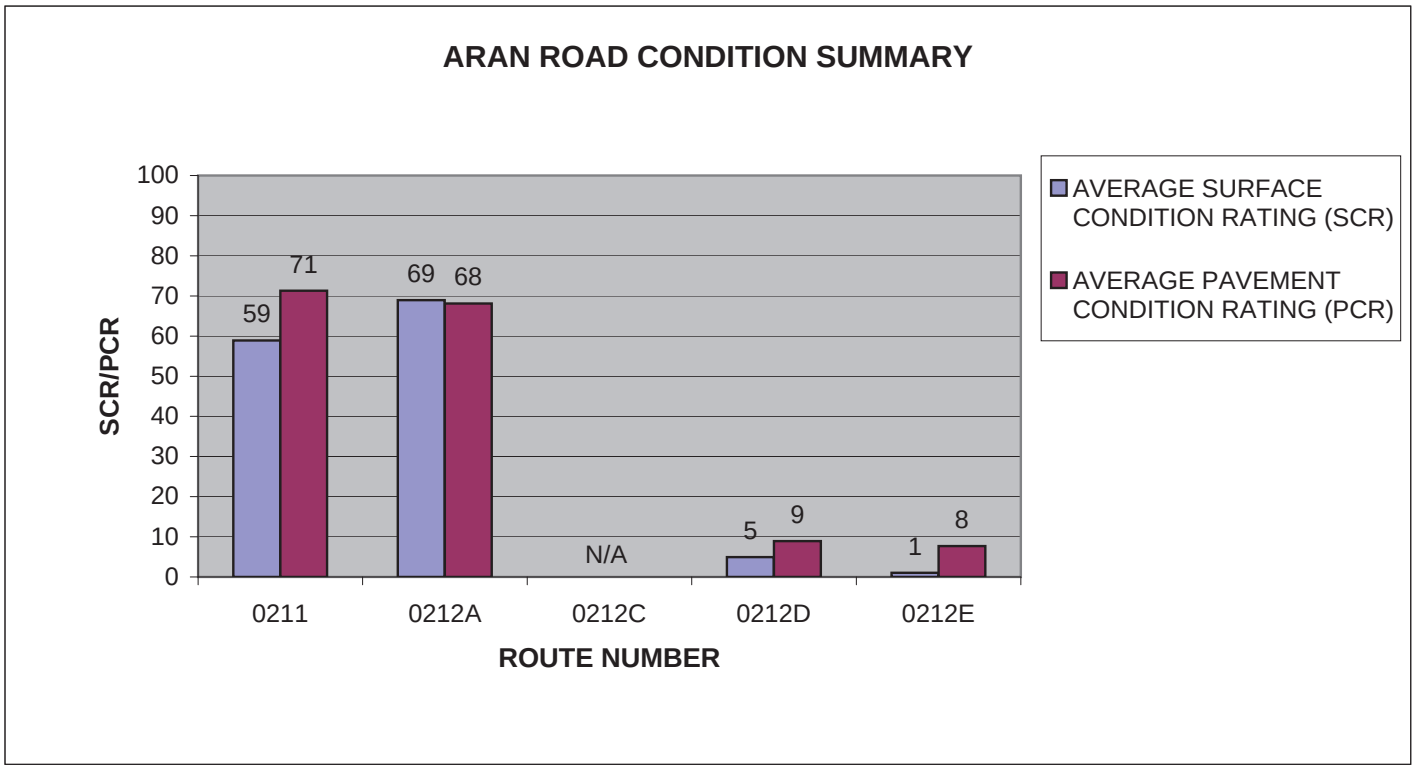
JOTR: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0204	COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD	3	1.14	ASPHALT	50	56
0205	BELLE CAMPGROUND ROAD	3	0.12	ASPHALT	65	61
0206	WHITE TANK CAMPGROUND ENTRANCE ROAD	3	0.14	ASPHALT	54	57
0207	HIDDEN VALLEY CAMPGROUND ENTRANCE ROAD	3	0.12	ASPHALT	63	66
0207A	HIDDEN VALLEY CAMPGROUND LOOP ROAD A	3	0.37	ASPHALT	71	71



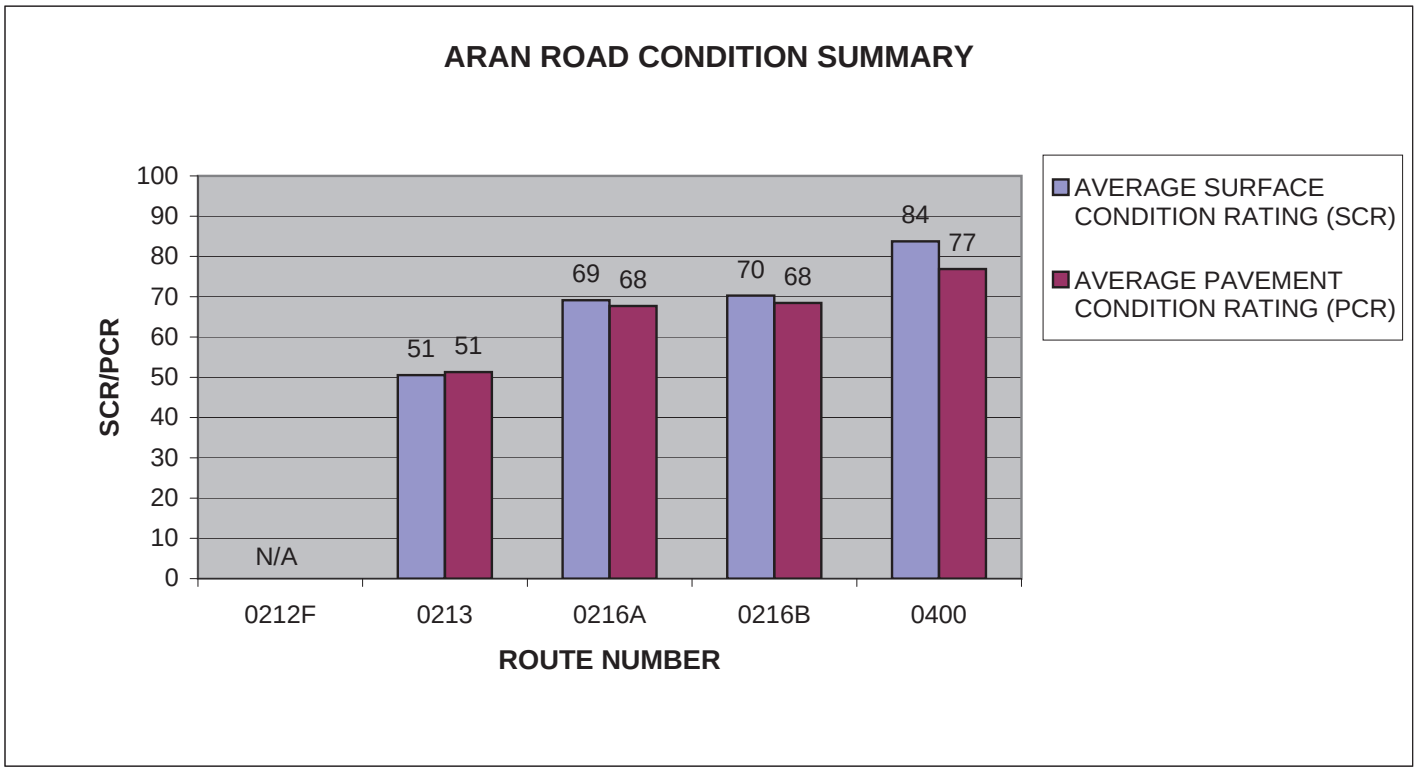
JOTR: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0211	SHEEP PASS CAMPGROUND ENTRANCE ROAD	3	0.29	ASPHALT	59	71
0212A	INDIAN COVE CAMPGROUND ROAD A	2	1.96	ASPHALT	69	68
0212C	INDIAN COVE CAMPGROUND ROAD C	2	0.68	ASPHALT	N/A	N/A
0212D	INDIAN COVE CAMPGROUND ROAD D	2	0.62	ASPHALT	5	9
0212E	INDIAN COVE CAMPGROUND ROAD E	2	1.31	ASPHALT	1	8



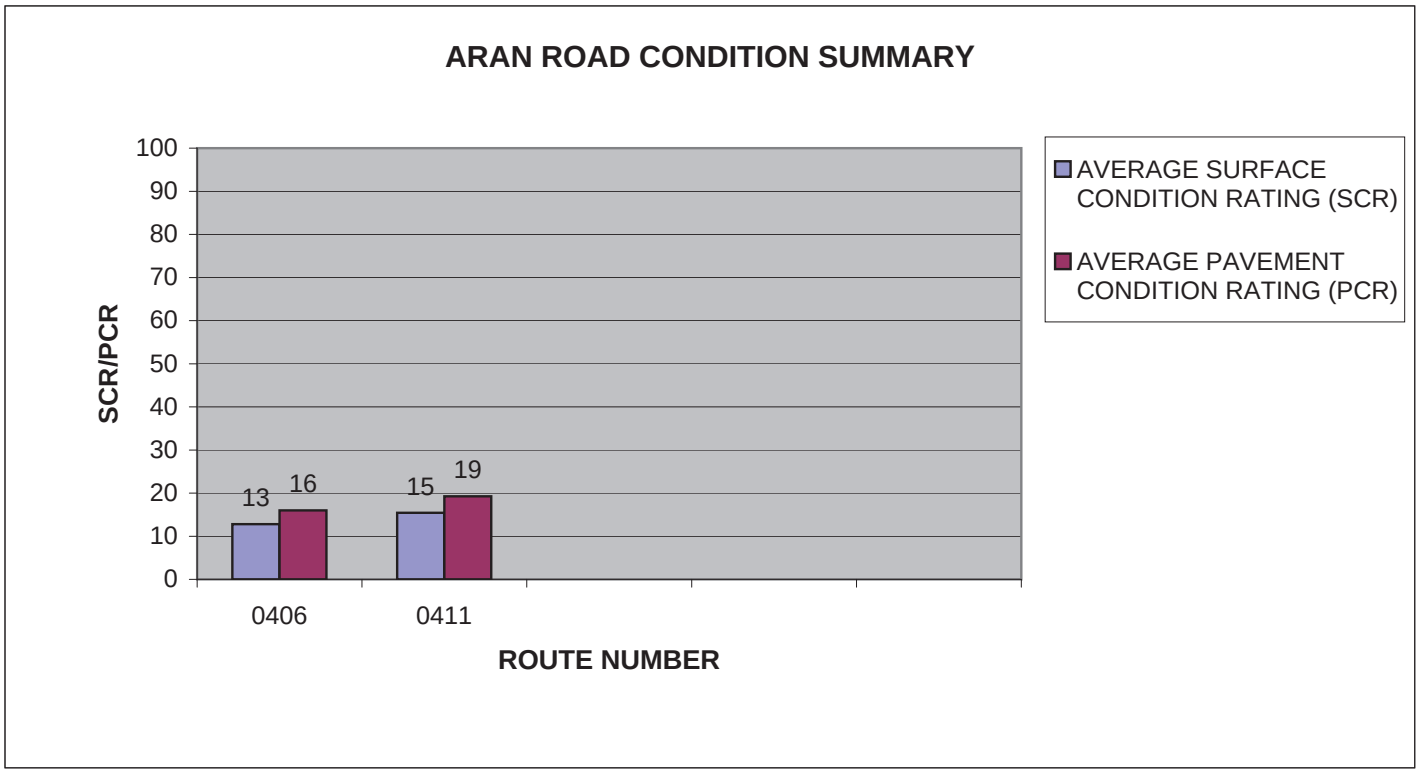
JOTR: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0212F	INDIAN COVE CAMPGROUND ROAD F	2	0.23	OTHER	N/A	N/A
0213	49 PALMS OASIS ACCESS ROAD	2	0.47	ASPHALT	51	51
0216A	COTTONWOOD CAMPGROUND LOOP A	2	0.45	ASPHALT	69	68
0216B	COTTONWOOD CAMPGROUND LOOP B	2	0.34	ASPHALT	70	68
0400	MAINTENANCE ROAD	5	0.52	ASPHALT	84	77



JOTR: ARAN ROAD CONDITION SUMMARY

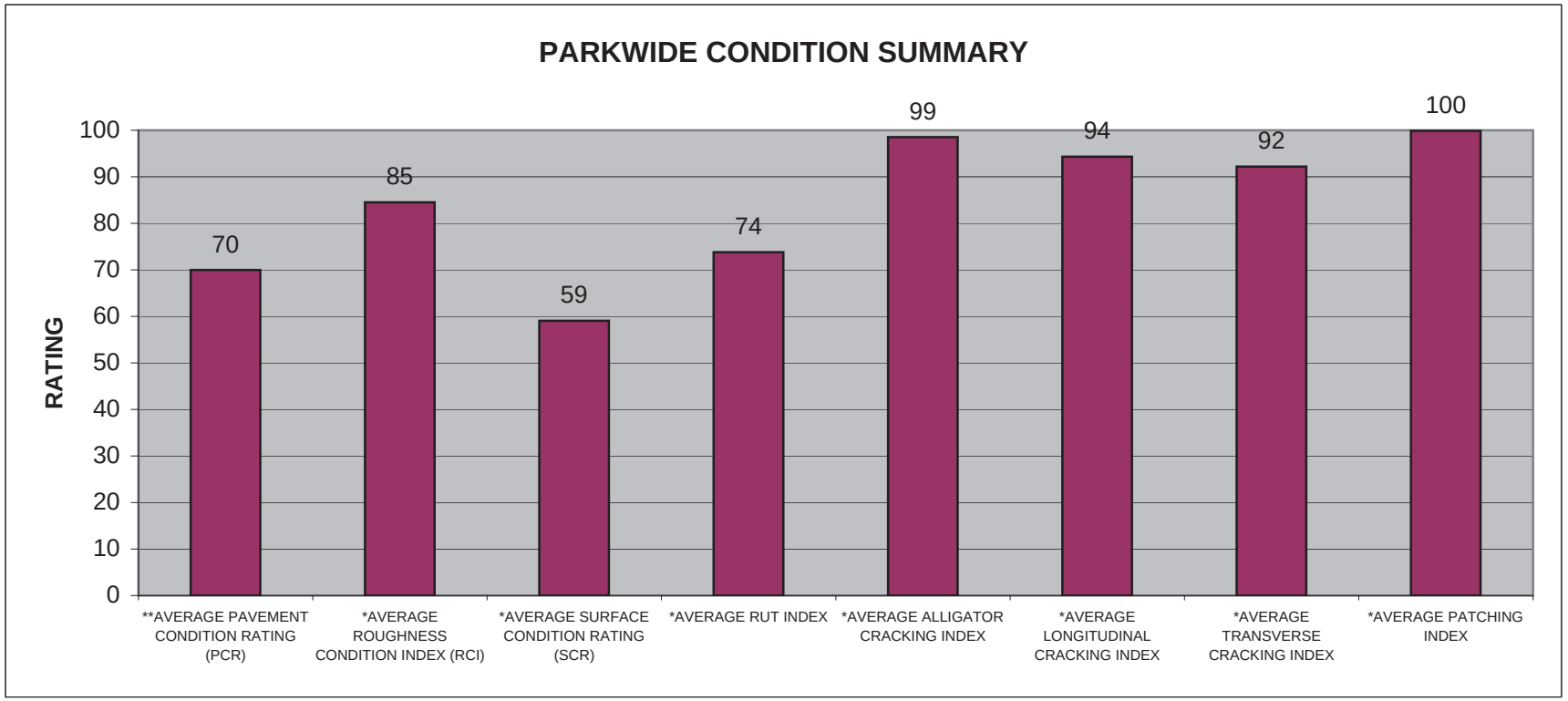
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0406	COTTONWOOD RESIDENTIAL ROAD	5	0.15	ASPHALT	13	16
0411	BELLE MOUNTAIN ROAD	6	3.43	ASPHALT	15	19



JOTR: PARKWIDE CONDITION SUMMARY

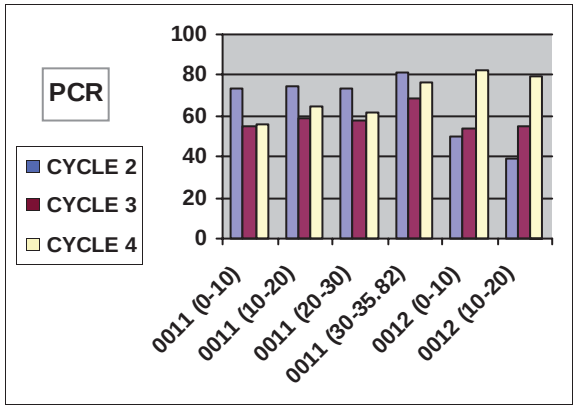
**AVERAGE PAVEMENT CONDITION RATING (PCR)	*AVERAGE ROUGHNESS CONDITION INDEX (RCI)	*AVERAGE SURFACE CONDITION RATING (SCR)	*AVERAGE RUT INDEX	*AVERAGE ALLIGATOR CRACKING INDEX	*AVERAGE LONGITUDINAL CRACKING INDEX	*AVERAGE TRANSVERSE CRACKING INDEX	*AVERAGE PATCHING INDEX
70	85	59	74	99	94	92	100

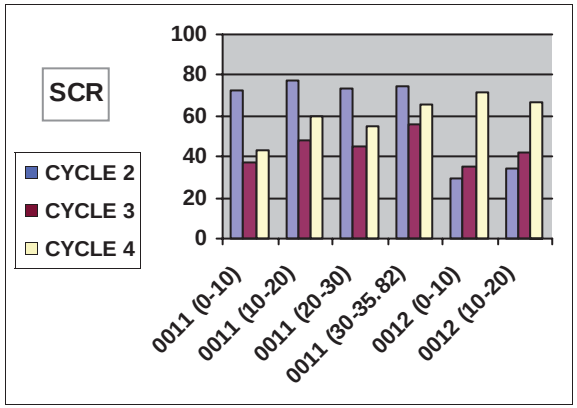
*** PCR Index is based on all ARAN-driven roads, parking areas, and manually rated routes.*
** Index values are based on ARAN-driven roads only.*

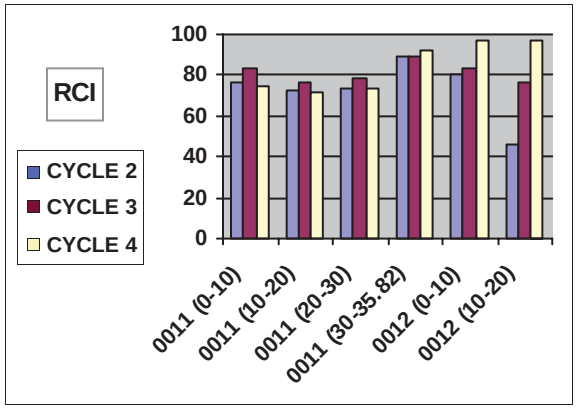


JOTR : CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

				PAVEMENT CONDTION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				
ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	COMMENT
0011	10.00	0.00	10.00	74	55	56	+2%	73	37	43	+16%	76	83	75	-10%	
0011	10.00	10.00	20.00	75	59	65	+10%	77	48	60	+25%	73	76	72	-5%	
0011	10.00	20.00	30.00	74	58	62	+7%	74	45	55	+22%	74	78	74	-5%	
0011	5.82	30.00	35.82	81	69	76	+10%	75	56	66	+18%	89	89	92	+3%	
0012	10.00	0.00	10.00	50	54	82	+52%	29	35	72	+106%	80	83	97	+17%	
0012	10.00	10.00	20.00	39	55	79	+44%	34	42	67	+60%	46	76	97	+28%	



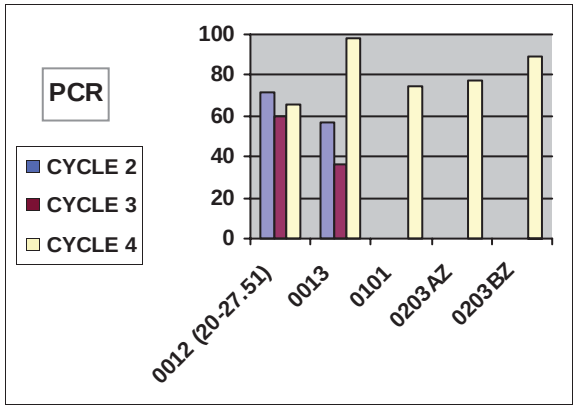


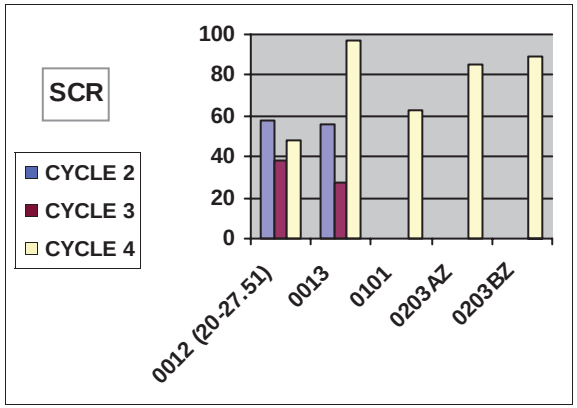


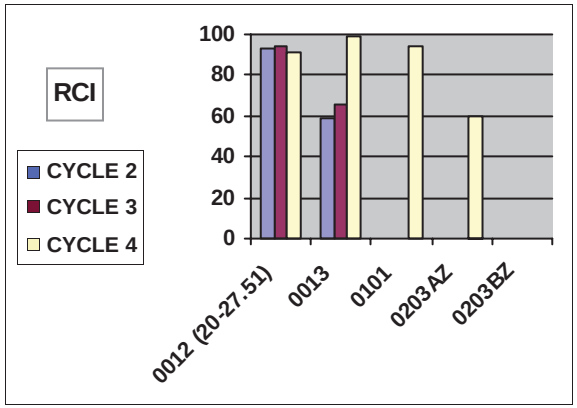
Cycle 4 Data Collected 1/8/2008 - 1/10/2008

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

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDTION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0012	7.51	20.00	27.51	72	60	66	+10%	58	38	48	+26%	93	94	91	-3%	
0013	5.50	0.00	5.50	57	36	98	+172%	56	27	97	+259%	59	66	99	+50%	
0101	1.51	0.00	1.51	N/A	N/A	75	N/A	N/A	N/A	63	N/A	N/A	N/A	94	N/A	New ARAN route in Cycle 4.
0203AZ	0.72	0.00	0.72	N/A	N/A	77	N/A	N/A	N/A	85	N/A	N/A	N/A	60	N/A	New ARAN route in Cycle 4.
0203BZ	0.07	0.00	0.07	N/A	N/A	89	N/A	N/A	N/A	89	N/A	N/A	N/A	N/A	N/A	New ARAN route in Cycle 4. RCI not collected in Cycle 4.

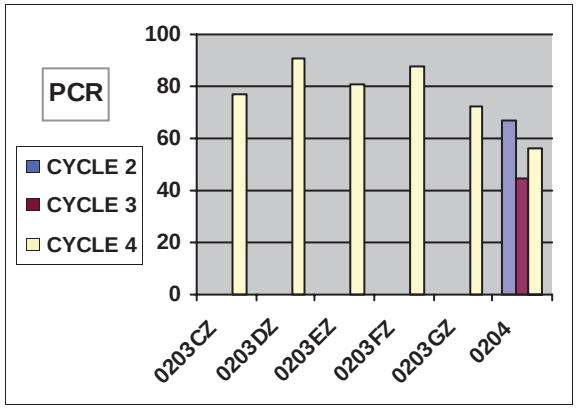


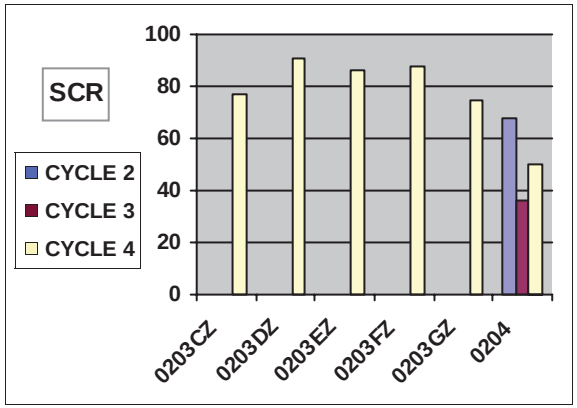


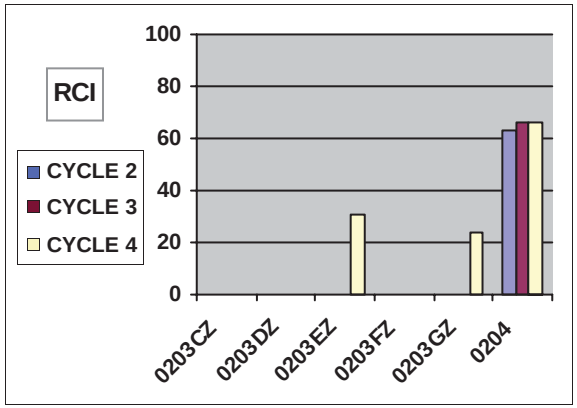


JOTR : CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDTION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0203CZ	0.04	0.00	0.04	N/A	N/A	77	N/A	N/A	N/A	77	N/A	N/A	N/A	N/A	N/A	New ARAN route in Cycle 4. RCI not collected in Cycle 4.
0203DZ	0.05	0.00	0.05	N/A	N/A	91	N/A	N/A	N/A	91	N/A	N/A	N/A	N/A	N/A	New ARAN route in Cycle 4. RCI not collected in Cycle 4.
0203EZ	0.18	0.00	0.18	N/A	N/A	81	N/A	N/A	N/A	86	N/A	N/A	N/A	31	N/A	New ARAN route in Cycle 4.
0203FZ	0.08	0.00	0.08	N/A	N/A	88	N/A	N/A	N/A	88	N/A	N/A	N/A	N/A	N/A	New ARAN route in Cycle 4. RCI not collected in Cycle 4.
0203GZ	0.18	0.00	0.18	N/A	N/A	72	N/A	N/A	N/A	75	N/A	N/A	N/A	24	N/A	New ARAN route in Cycle 4.
0204	1.15	0.00	1.15	67	45	56	+24%	68	36	50	+39%	63	66	66	0%	

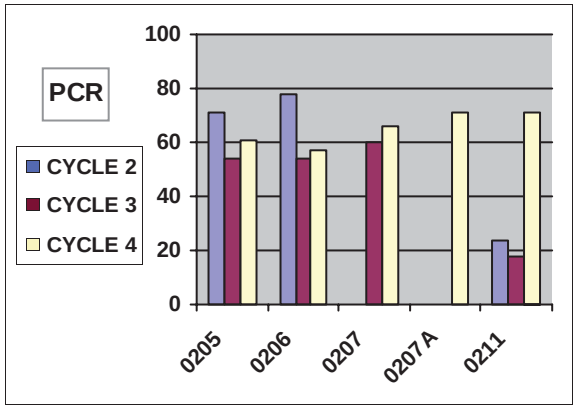


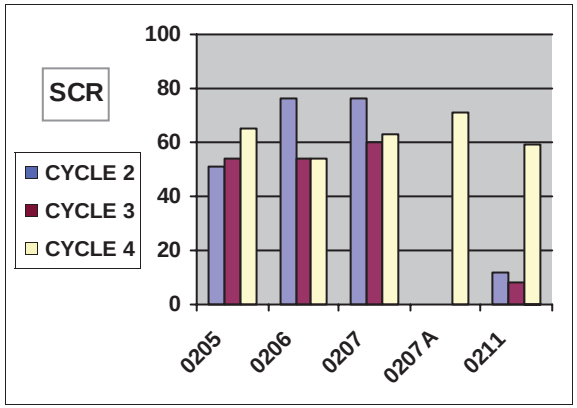


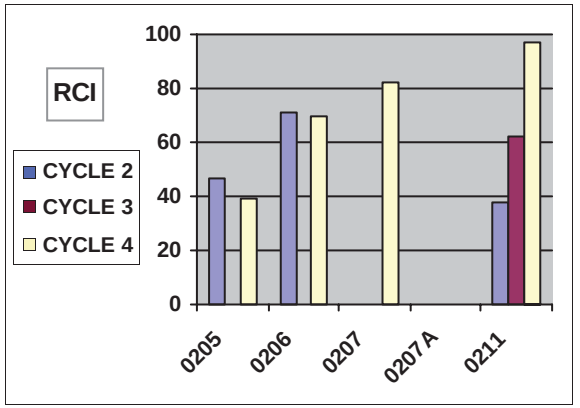


JOTR : CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

				PAVEMENT CONDTION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				
ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	COMMENT
0205	0.13	0.00	0.13	71	54	61	+13%	51	54	65	+20%	47	N/A	39	N/A	No RCI collected in Cycle 3.
0206	0.14	0.00	0.14	78	54	57	+6%	76	54	54	0%	71	N/A	70	N/A	No RCI collected in Cycle 3.
0207	0.39	0.00	0.39	N/A	60	66	+10%	76	60	63	+5%	N/A	N/A	82	N/A	No RCI collected in Cycle 3.
0207A	0.37	0.00	0.37	N/A	N/A	71	N/A	N/A	N/A	71	N/A	N/A	N/A	N/A	N/A	New ARAN route in Cycle 4. RCI not collected in Cycle 4.
0211	0.30	0.00	0.30	24	18	71	+294%	12	8	59	+638%	38	62	97	+56%	



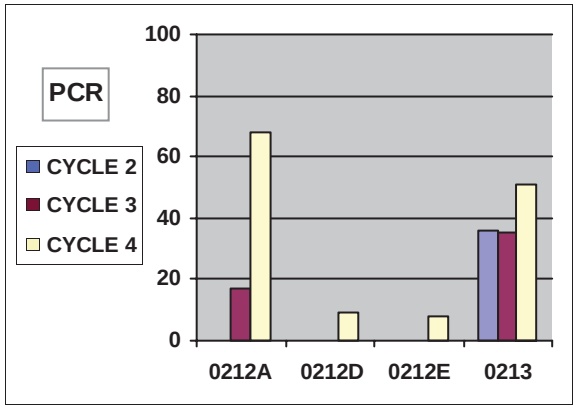


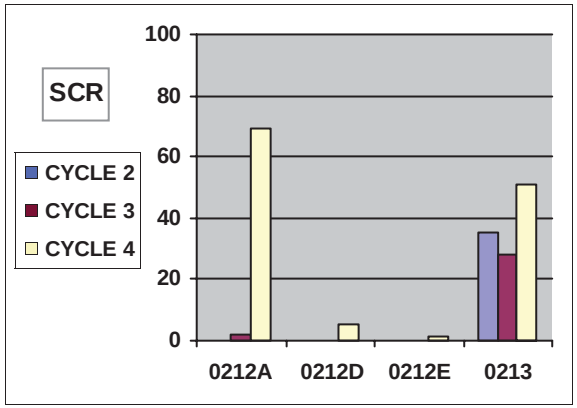


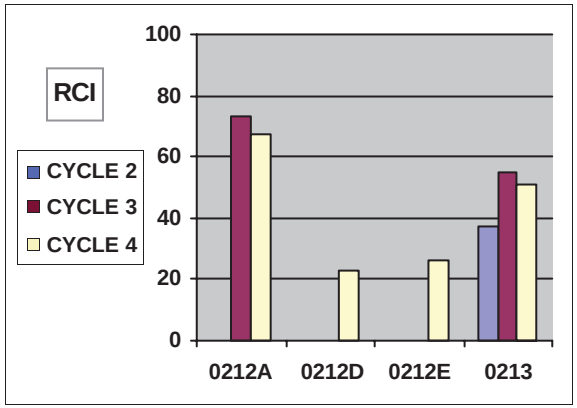
Cycle 4 Data Collected 1/8/2008 - 1/10/2008

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

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDTION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0212A	1.96	0.00	1.96	N/A	17	68	+300%	N/A	2	69	+3350%	N/A	73	67	-8%	
0212D	0.62	0.00	0.62	N/A	0	9	N/A	N/A	0	5	N/A	N/A	N/A	23	N/A	No RCI collected in Cycle 3.
0212E	1.31	0.00	1.31	N/A	0	8	N/A	N/A	0	1	N/A	N/A	N/A	26	N/A	No RCI collected in Cycle 3.
0213	1.30	0.00	1.30	36	35	51	+46%	35	28	51	+82%	37	55	51	-7%	



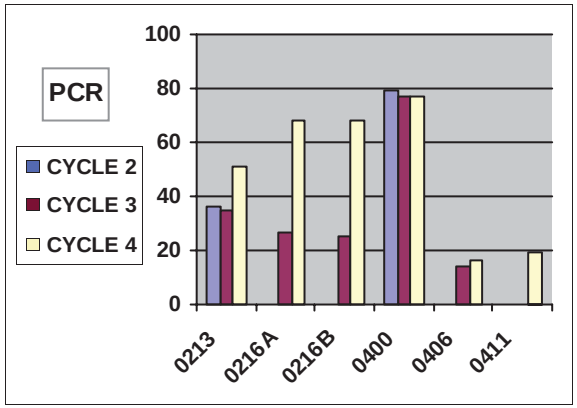


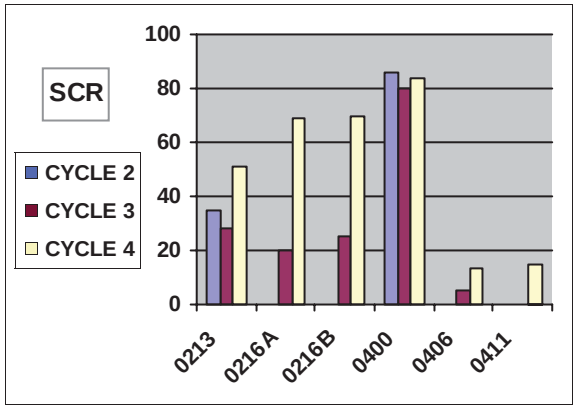


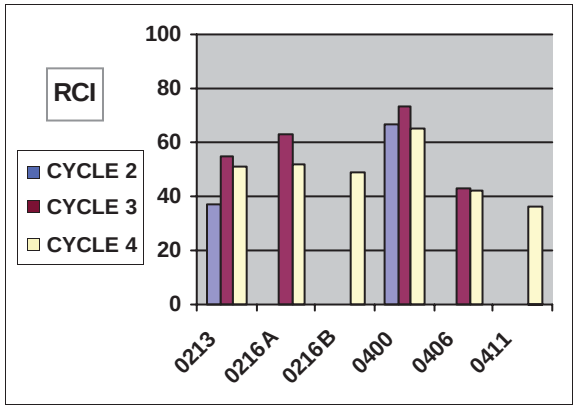
Cycle 4 Data Collected 1/8/2008 - 1/10/2008

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

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDTION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0216A	0.52	0.00	0.52	N/A	27	68	+152%	N/A	20	69	+245%	N/A	63	52	-17%	
0216B	0.34	0.00	0.34	N/A	25	68	+172%	N/A	25	70	+180%	N/A	N/A	49	N/A	RCI not collected in Cycle 3.
0400	0.52	0.00	0.52	79	77	77	0%	86	80	84	+5%	67	73	65	-11%	
0406	0.15	0.00	0.15	N/A	14	16	+14%	N/A	5	13	+160%	N/A	43	42	-2%	
0411	0.42	0.00	0.42	N/A	N/A	19	N/A	N/A	N/A	15	N/A	N/A	N/A	36	N/A	New ARAN route in Cycle 4.





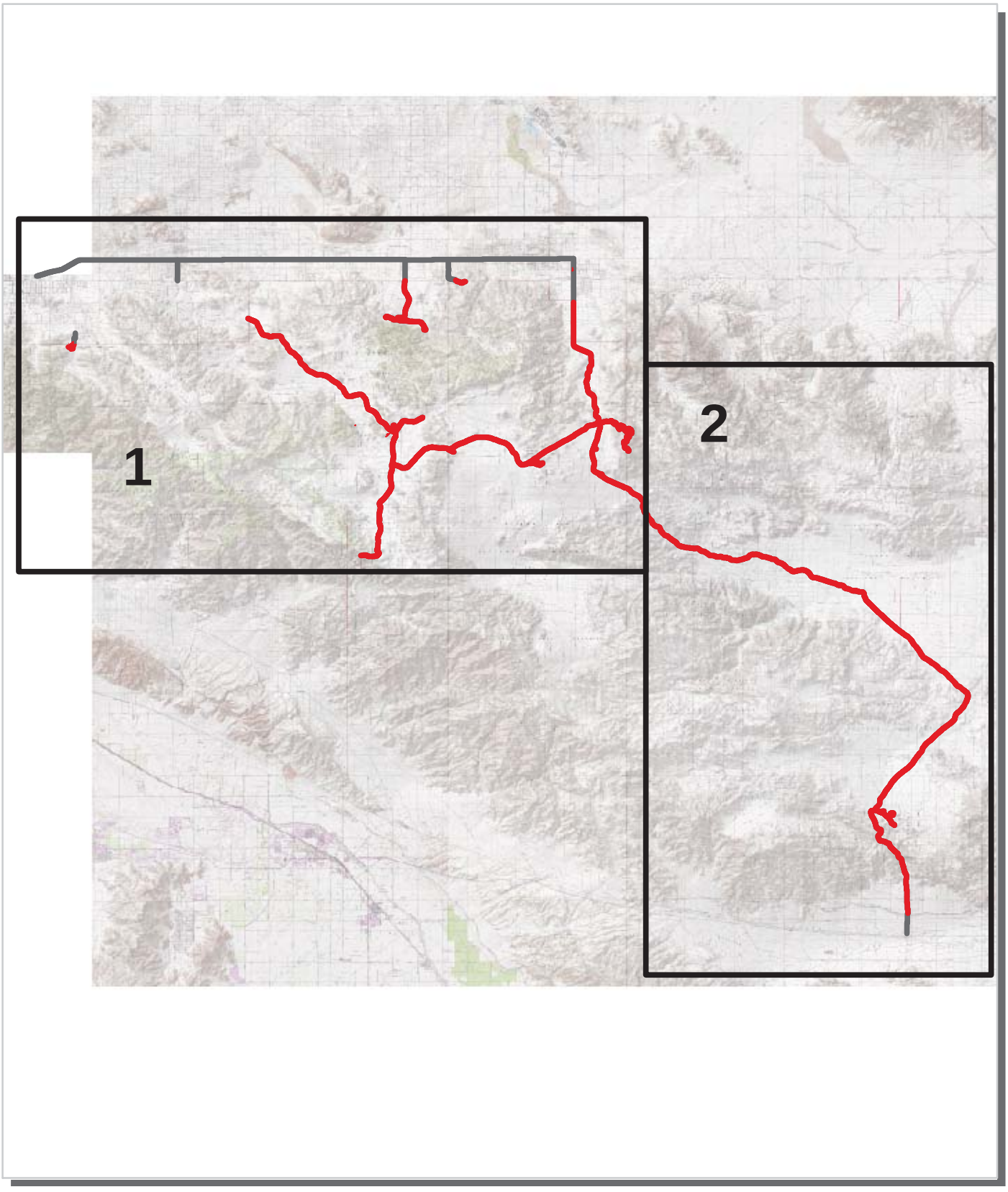


Cycle 4 Data Collected 1/8/2008 - 1/10/2008

Joshua Tree National Park

Section 3
Park Route Location / Condition Maps

Joshua Tree National Park
Route Location Map
Key Map



Park Owned Routes

6 3 0 6
Miles

N

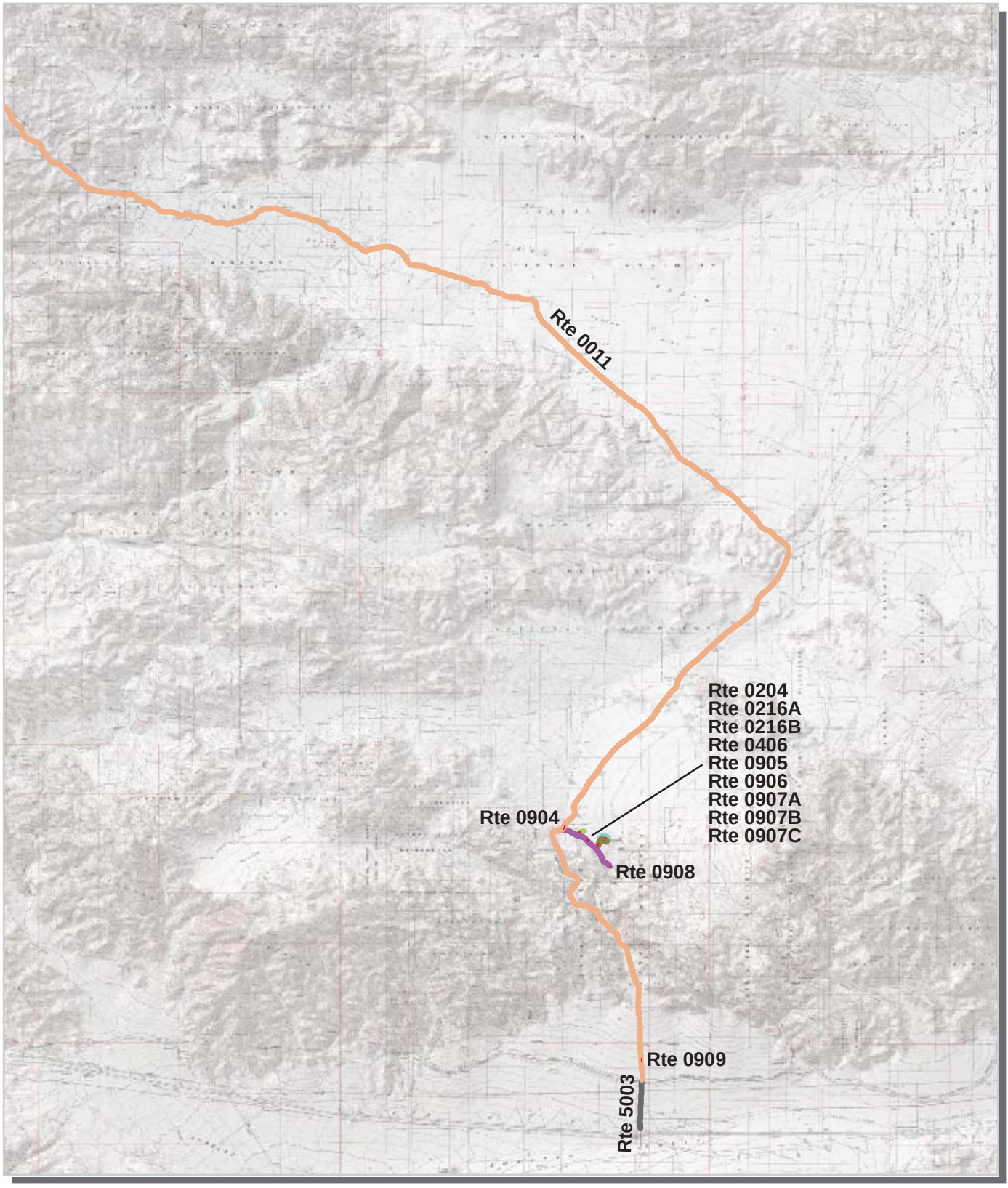
Joshua Tree National Park
Route Location Map
Area 1

Unique colors used to differentiate routes

4 2 0 4 Miles

N

Joshua Tree National Park
Route Location Map
Area 2

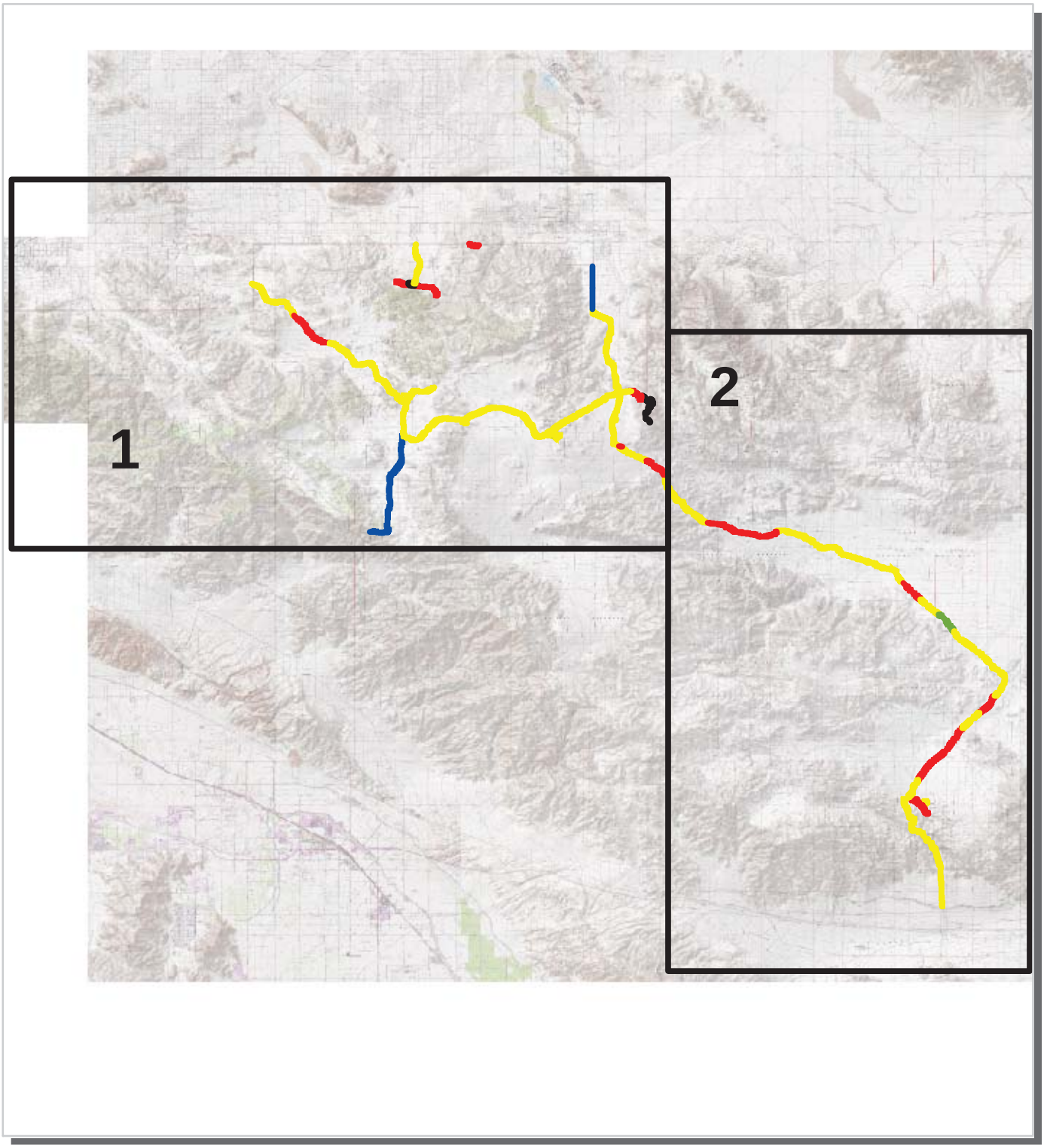


Unique colors used to differentiate routes

3 1.5 0 3
Miles

N

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



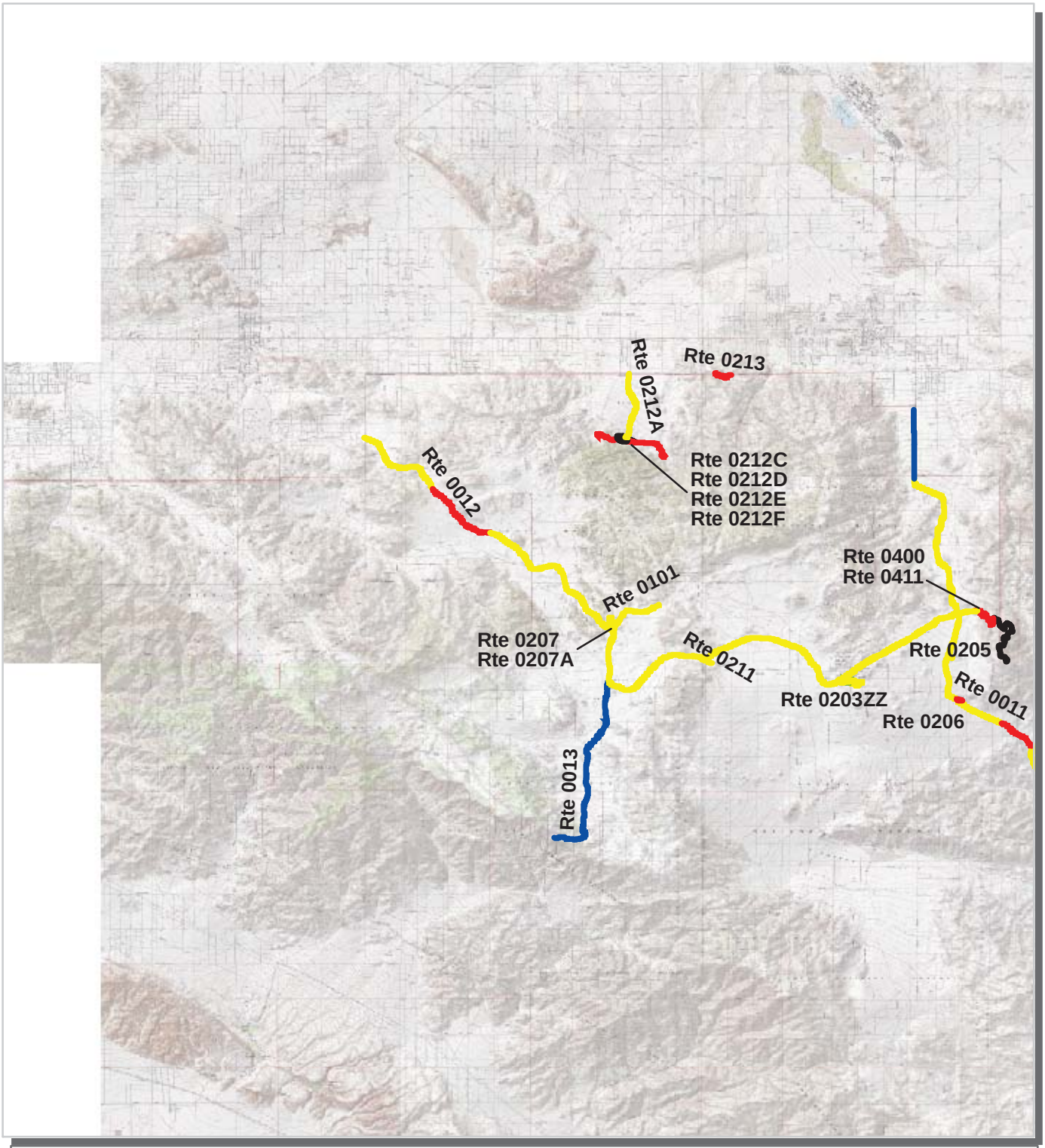
PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

6 3 0 6 Miles

N

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



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

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

4 2 0 4 Miles

N

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

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

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

3 1.5 0 3 Miles

N

Joshua Tree National Park

Section 4
Park Route Inventory

NPS/RIP Route ID Report

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JOTR

JOSHUA TREE NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0011	16798		PINTO BASIN ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 6.55 (ON LEFT)	TO SOUTH PARK BOUNDARY	N/A	35.820	0.000	35.820	1		0	AS	1,2
0012	16832		EAST-WEST HIGHWAY	FROM 29 PALMS ENTRANCE/END OF ROUTE 5004 (UTAH TRAIL)	TO JOSHUA TREE ENTRANCE/QUAIL SPRINGS ROAD	N/A	27.510	0.000	27.510	1		0	AS	1
0013	19875		KEY'S VIEW ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 16.93 (ON LEFT)	TO ROUTE 0915	N/A	5.500	0.000	5.500	1		0	AS	1
0100	19905		QUEENS VALLEY CONNECTOR	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 11.65 (ON RIGHT)	TO ROUTE 0105	N/A	0.000	4.200	4.200	2		0	OT	
0101	19903		BARKER DAM ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 18.51 (ON RIGHT)	TO ROUTE 0923	N/A	1.510	0.000	1.510	2		0	AS	1
0102	58838		LOST HORSE RANGER STATION ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 19.99 (ON LEFT)	TO END AT ROUTE 0952	N/A	0.000	1.179	1.179	3		0	NV	
0103	19676		OLD DALE ROAD	FROM ROUTE 0104 (BLACK EAGLE MINE ROAD) AT MP 0.04 (ON LEFT)	TO NORTH PARK BOUNDARY	N/A	0.000	12.567	12.567	2		0	NV	
0104	19710		BLACK EAGLE MINE ROAD	FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 23.09 (ON LEFT)	TO EAST PARK BOUNDARY	N/A	0.000	9.647	9.647	2		0	NV	
0105	57402		BIG HORN PASS ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 12.36 (ON RIGHT)	TO ROUTE 0101	N/A	0.000	3.193	3.193	3		0	NV	
0106	19910		LOST HORSE MINE ROAD	FROM ROUTE 0013 (KEY'S VIEW ROAD) AT MP 2.45 (ON LEFT)	TO END	N/A	0.000	1.010	1.010	3		0	NV	
0107	93136		SOUTH PARK ROAD	FROM ROUTE 0214 (BLACK ROCK CAMPGROUND ROAD)	TO NORTH PARK BOUNDARY	N/A	0.000	0.400	0.400	2		0	NV	
0108	57494		ODELL ROAD	FROM ROUTE 0105 (BIG HORN PASS ROAD)	TO ROUTE 0930	N/A	0.000	1.480	1.480	2		0	NV	
0109	97835		WALL STREET MILL ROAD	FROM ROUTE 0105 (BIG HORN PASS ROAD)	TO ROUTE 0931	N/A	0.000	0.267	0.267	2		0	NV	
0110	98046		NORTH ENTRANCE BACKCOUNTRY BOARD ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 2.41 (ON LEFT)	TO END OF LOOP	N/A	0.000	0.207	0.207	2		0	GR	

NPS/RIP Route ID Report

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JOTR

JOSHUA TREE NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0200	19814		SPLIT ROCK PICNIC AREA ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 8.76 (ON RIGHT)	TO ROUTE 0910	N/A	0.000	0.544	0.544	3		0	GR	
0201	19816		LIVE OAK PICNIC AREA ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 8.76 (ON LEFT)	TO END OF LOOP	N/A	0.000	0.378	0.378	3		0	NV	
0202	19701		BERDOO CANYON ROAD	FROM ONE-WAY LOOP PORTION OF ROUTE 0300	TO SOUTH PARK BOUNDARY	N/A	0.000	11.518	11.518	4		0	NV	
0203ZZ	19763		JUMBO ROCKS CAMPGROUND	FROM ROUTE 0012 AT MP 8.1	THROUGH CAMPGROUND	N/A	1.320	0.000	1.320	3		0	AS	1
0204	16807		COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD	FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 29.98 (ON LEFT)	TO ROUTE 0908	N/A	1.140	0.000	1.140	3		0	AS	2
0205	16892		BELLE CAMPGROUND ROAD	FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 1.34 (ON LEFT)	TO ROUTE 0205A	N/A	0.120	0.000	0.120	3		0	AS	1
0205A	104956		BELLE CAMPGROUND LOOP ROAD	FROM END OF ROUTE 0205 (BELLE CAMPGROUND ROAD)	TO END OF ONE WAY LOOP SECTION	N/A	0.000	0.373	0.373	3		0	NV	
0206	16893		WHITE TANK CAMPGROUND ENTRANCE ROAD	FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 2.72 (ON LEFT)	TO ROUTE 0206A	N/A	0.140	0.000	0.140	3		0	AS	1
0206A	104964		WHITE TANK CAMPGROUND LOOP ROAD	FROM END OF ROUTE 0206 ON LEFT	TO END OF LOOP	N/A	0.000	0.169	0.169	3		0	NV	
0207	97986		HIDDEN VALLEY CAMPGROUND ENTRANCE ROAD	FROM ROUTE 0101 (BARKER DAM ROAD) AT MP 0.07 (ON LEFT)	TO ROUTE 0207B AND ROUTE 0207C	N/A	0.120	0.000	0.120	3		0	AS	1
0207A	19880		HIDDEN VALLEY CAMPGROUND LOOP ROAD A	FROM END OF ROUTE 0207B	TO END OF LOOP	N/A	0.370	0.000	0.370	3		0	AS	1
0207B	104973		HIDDEN VALLEY CAMPGROUND LOOP ROAD B	FROM ROUTE 0207 ON LEFT	TO END OF LOOP	N/A	0.000	0.134	0.134	3		0	NV	
0207BA	104980		HIDDEN VALLEY CAMPGROUND LOOP B SPUR	FROM ROUTE 0207B AT MP 0.039 ON RIGHT	TO ROUTE 0207B LOOP	N/A	0.000	0.081	0.081	3		0	NV	
0207C	104987		HIDDEN VALLEY CAMPGROUND LOOP ROAD C	FROM END OF ROUTE 0207 ON RIGHT	TO ROUTE 0207A	N/A	0.000	0.307	0.307	3		0	NV	

NPS/RIP Route ID Report

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JOTR

JOSHUA TREE NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0209	19752		RYAN CAMPGROUND ROAD ENTRANCE ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 16.39 (ON LEFT)	TO ROUTE 0209A	N/A	0.000	0.316	0.316	3		0	GR	
0209A	104941		RYAN CAMPGROUND LOOP A	FROM END OF ROUTE 0209	TO END OF LOOP AT ROUTE 0209	N/A	0.000	0.420	0.420	3		0	GR	
0210	19682		LOWER COVINGTON ROAD	FROM NORTH PARK BOUNDARY	TO END OF LOOP	N/A	0.000	4.896	4.896	4		0	NV	
0211	39007		SHEEP PASS CAMPGROUND ENTRANCE ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 14.15 (ON LEFT)	TO ROUTE 0211A	N/A	0.290	0.000	0.290	3		0	AS	1
0211A	98236		SHEEP PASS CAMPGROUND LOOP A	FROM END OF ROUTE 0211	TO END OF LOOP	N/A	0.000	0.222	0.222	3		0	NV	
0212A	17237		INDIAN COVE CAMPGROUND ROAD A	FROM NORTH PARK BOUNDARY/END OF ROUTE 5002	TO ROUTE 0212C	N/A	1.960	0.000	1.960	2		0	AS	1
0212B	97988		INDIAN COVE CAMPGROUND ROAD B	FROM ROUTE 0212A AT MP 1.68 ON RIGHT	TO END OF LOOP	N/A	0.000	0.650	0.650	2		0	GR	
0212C	97989		INDIAN COVE CAMPGROUND ROAD C	FROM END OF ROUTE 0212A	TO END OF LOOP AT END OF ROUTE 0212A	N/A	0.680	0.000	0.680	2		0	AS	1
0212D	97990		INDIAN COVE CAMPGROUND ROAD D	FROM ROUTE 0212C ON RIGHT	TO END OF LOOP	N/A	0.620	0.000	0.620	2		0	AS	1
0212E	97991		INDIAN COVE CAMPGROUND ROAD E	FROM ROUTE 0212C ON RIGHT	TO END OF LOOP	N/A	1.310	0.000	1.310	2		0	AS	1
0212F	97992		INDIAN COVE CAMPGROUND ROAD F	FROM ROUTE 0212E ON LEFT	TO ROUTE 0212C	N/A	0.230	0.000	0.230	2		0	OT	1
0213	19734		49 PALMS OASIS ACCESS ROAD	FROM NORTH PARK BOUNDARY/END OF ROUTE 5005	TO ROUTE 0917	N/A	0.470	0.000	0.470	2		0	AS	1
0214	16853		BLACK ROCK CAMPGROUND ROAD	FROM NORTH PARK BOUNDARY	THROUGH CAMPGROUND	N/A	0.247	0.000	0.247	3		15,650	AS	1
0216A	N/A		COTTONWOOD CAMPGROUND LOOP A	FROM ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD) AT MP 0.7 (ON LEFT)	TO END OF LOOP A	N/A	0.450	0.000	0.450	2		0	AS	2
0216B	N/A		COTTONWOOD CAMPGROUND LOOP B	FROM ROUTE 0216A	TO END OF LOOP B	N/A	0.340	0.000	0.340	2		0	AS	2
0217	77023		BROOKLYN MINE JEEP TRAIL	FROM ROUTE 0103 AT MP 11.377 ON RIGHT	TO PARK BOUNDARY	N/A	0.000	2.613	2.613	4		0	NV	

NPS/RIP Route ID Report

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JOTR

JOSHUA TREE NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0218	97993		UPPER COVINGTON ROAD	FROM END OF ROUTE 0219 ON LEFT	TO END AT CALIFORNIA RIDING AND HIKING TRAILHEAD	N/A	0.000	1.925	1.925	4		0	NV	
0219	98041		COVINGTON CROSSOVER ROAD	FROM END OF ROUTE 0210 AT MP 4.24 ON RIGHT	TO ROUTE 0220 AND ROUTE 0218	N/A	0.000	1.811	1.811	4		0	NV	
0220	98042		EUREKA PEAK ROAD	FROM END OF ROUTE 0219 ON RIGHT	TO ROUTE 0948	N/A	0.000	1.357	1.357	4		0	NV	
0221	19705		PINKHAM CANYON ROAD	FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 29.99 (ON RIGHT)	TO SOUTH PARK BOUNDARY	N/A	0.000	19.200	19.200	4		0	NV	
0222	82727		STIRRUP TANK ROAD	FROM ROUTE 0011 (PINTO BASIN ROAD)	TO END OF LOOP	N/A	0.000	1.498	1.498	3		0	NV	
0223	98235		IVANPAH ROAD	FROM ROUTE 0201 AT MP 0.106 ON LEFT	TO END OF LOOP	N/A	0.000	0.088	0.088	3		0	NV	
0300	19686		GEOLOGY TOUR ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 11.65 (ON LEFT)	TO END OF ONE WAY LOOP	N/A	0.000	11.655	11.655	4		0	NV	
0400	39008		MAINTENANCE ROAD	FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 0.05 (ON LEFT)	TO ROUTE 0901	N/A	0.520	0.000	0.520	5		0	AS	1
0401	39009		SHEEP PASS BORROW PIT ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 13.65 (ON RIGHT)	TO END OF LOOP	N/A	0.000	0.236	0.236	6		0	NV	
0402	39010		INDIAN COVE BORROW PIT ROAD	FROM ROUTE 0212E (INDIAN COVE CAMPGROUND ROAD E) AT MP 0.74 (ON LEFT)	TO BORROW PIT	N/A	0.000	0.470	0.470	6		0	NV	
0403	16905		SMOKE TREE WELL ROAD	FROM ROUTE 0221 (PINKHAM CANYON ROAD)	TO END AT SMOKE TREE WELL	N/A	0.000	1.750	1.750	6		0	NV	
0404	39011		JUNIPER FLATS ROAD	FROM ROUTE 0013 (KEY'S VIEW ROAD) AT MP 1.09 (ON RIGHT)	TO END AT ABANDONED BORROW PIT	N/A	0.000	5.000	5.000	6		0	NV	
0405	17067		KEYS RANCH ROAD	FROM ROUTE 0101 (BARKER DAM ROAD) AT MP 0.67 (ON LEFT)	TO END AT KEYS RANCH	N/A	0.000	2.026	2.026	6		0	NV	
0406	98209		COTTONWOOD RESIDENTIAL ROAD	FROM ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD) AT MP 0.27 (ON LEFT)	TO END AT UNPAVED TURNAROUND	N/A	0.150	0.000	0.150	5		0	AS	2
0407	105013		WHISPERING PINES ROAD	FROM ROUTE 0210 (LOWER COVINGTON ROAD)	TO NORTH PARK BOUNDARY	N/A	0.000	0.500	0.500	6		0	NV	

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JOTR

JOSHUA TREE NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0409	16906		COTTONWOOD WATER TANK ROAD	FROM ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD) AT MP 0.38 (ON RIGHT)	TO WATER TANK	N/A	0.000	0.557	0.557	6		0	NV	
0410	98113		BLACK ROCK WATER TANK ROAD	FROM ROUTE 0214 (BLACK ROCK CAMPGROUND ROAD)	TO AIR QUALITY STATION	N/A	0.000	0.636	0.636	6		0	NV	
0411	89093		BELLE MOUNTAIN ROAD	FROM ROUTE 0400 (MAINTENANCE ROAD) AT MP 0.5 (ON LEFT)	TO RADIO REPEATER	N/A	3.350	0.080	3.430	6		0	AS	1
0412	98115		PISTOL RANGE BORROW PIT ROAD	FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 4.41 (ON LEFT)	TO MIXING PAD	N/A	0.000	0.340	0.340	6		0	GR	
0900	16909		VISITOR CENTER/OASIS OF MARA PARKING	FROM UTAH TRAIL ROAD BEFORE NORTH PARK ENTRANCE	TO PARKING	N/A	0.000	0.000	0.000			47,306	AS	1
0901	19469		MAINTENANCE YARD PARKING	FROM END OF ROUTE 0400	TO PARKING	N/A	0.000	0.000	0.000			42,870	AS	1
0902	38993		TWIN TANKS BACKCOUNTRY PARKING	ADJACENT TO ROUTE 0011 (PINTO BASIN ROAD) AT MP 2.21 (ON RIGHT)		N/A	0.000	0.000	0.000			23,550	AS	1
0903	38994		2 DESERTS MEET PARKING	ADJACENT TO ROUTE 0011 (PINTO BASIN ROAD) AT MP 3.14 (ON RIGHT)		N/A	0.000	0.000	0.000			6,264	AS	1
0904	38995		COTTONWOOD VISITOR CENTER	FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 29.91 (ON LEFT)	TO ROUTE 0204	N/A	0.000	0.000	0.000			18,482	AS	2
0905	38996		COTTONWOOD RESIDENTIAL AREA	ADJACENT TO ROUTE 0406 (COTTONWOOD RESIDENTIAL ROAD) AT MP 0.07 (ON LEFT)		N/A	0.000	0.000	0.000			9,628	AS	2
0906	38997		COTTONWOOD DUMP STATION	FROM ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD) AT MP 0.46 (ON LEFT)	TO ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD) AT MP 0.50 (ON LEFT)	N/A	0.000	0.000	0.000			8,762	AS	2
0907A	98211		COTTONWOOD CAMPGROUND PARKING A	ADJACENT TO ROUTE 0216A (COTTONWOOD CAMPGROUND LOOP A) AT MP 0.06 (ON LEFT)		N/A	0.000	0.000	0.000			8,020	AS	2

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JOSHUA TREE NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0907B	98212		COTTONWOOD CAMPGROUND PARKING B	ADJACENT TO ROUTE 0216B ON LEFT @ MP .31		N/A	0.000	0.000	0.000			883	AS	2
0907C	98213		COTTONWOOD CAMPGROUND PARKING C	ADJACENT TO ROUTE 0216A ON LEFT		N/A	0.000	0.000	0.000			951	AS	2
0908	38998		COTTONWOOD SPRINGS OASIS PARKING	AT END OF ROUTE 0204		N/A	0.000	0.000	0.000			16,567	AS	2
0909	38999		BAJADA ALL TRAIL PARKING	ADJACENT TO ROUTE 0011 AT MP 35.38 ON LEFT		N/A	0.000	0.000	0.000			11,498	AS	2
0910	39000		SPLIT ROCK PICNIC AREA	AT END OF ROUTE 0200		N/A	0.000	0.000	0.000			0	GR	
0911	39001		OYSTER BAR TRAILHEAD PARKING	FROM ROUTE 0012 AT MP 15.96	TO ROUTE 0012 AT MP 16.02	N/A	0.000	0.000	0.000			10,598	AS	1
0912	19493		RYAN MOUNTAIN TRAILHEAD PARKING	FROM ROUTE 0012 AT MP 14.78	TO ROUTE 0012 AT MP 14.91	N/A	0.000	0.000	0.000			26,772	AS	1
0913	39002		QUAIL SPRINGS PARKING AREA	FROM ROUTE 0012 AT MP 21.55 ON LEFT	TO ROUTE 0012 AT MP 21.58 ON LEFT	N/A	0.000	0.000	0.000			41,645	AS	1
0914	39003		WEST ENTRANCE STATION	ADJACENT TO ROUTE 0012 AT MP 27.45 ON LEFT		N/A	0.000	0.000	0.000			10,012	AS	1
0915A	55566		KEYS VIEW PARKING A	FROM ROUTE 0013 ON RIGHT	TO PARKING	N/A	0.000	0.000	0.000			1,651	AS	1
0915B	55566		KEYS VIEW PARKING B	AT END OF ROUTE 0013	TO END OF LOOP	N/A	0.000	0.000	0.000			21,015	AS	1
0916	39005		INDIAN COVE CONTACT STATION	ADJACENT TO ROUTE 0212A ON RIGHT		N/A	0.000	0.000	0.000			11,610	AS	1
0917	19730		49 PALMS OASIS PARKING	AT END OF ROUTE 0213		N/A	0.000	0.000	0.000			23,473	AS	1
0918	39006		HIDDEN VALLEY PICNIC PARKING	ADJACENT TO ROUTE 0012 AT MP 18.64 ON LEFT		N/A	0.000	0.000	0.000			101,480	AS	1
0919	98214		NORTH ENTRANCE CONTACT STATION PARKING	ADJACENT TO ROUTE 0012 AT MP 1.98 ON RIGHT		N/A	0.000	0.000	0.000			3,061	AS	1
0920	57151		MOJAVE PLANTS PARKING	FROM ROUTE 0012 AT MP 17.11	TO ROUTE 0012 AT MP 17.15	N/A	0.000	0.000	0.000			13,734	AS	1
0921	16847		HEMMINGWAYS PARKING	FROM ROUTE 0012 AT MP 19.61 ON LEFT	TO ROUTE 0012 AT MP 19.67 ON LEFT	N/A	0.000	0.000	0.000			18,048	AS	1
0922	39012		INTERSECTION ROCK PARKING	FROM ROUTE 0012 AT MP 18.64 ON RIGHT	TO PARKING	N/A	0.000	0.000	0.000			48,929	AS	1
0923	19904		BARKER DAM PARKING	FROM ROUTE 0101 AT END	TO PARKING	N/A	0.000	0.000	0.000			40,579	AS	1

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JOTR

JOSHUA TREE NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0924A	105011		INDIAN COVE PARKING AREA A	ADJACENT TO ROUTE 0212B		N/A	0.000	0.000	0.000			0	GR	
0924B	105015		INDIAN COVE PARKING AREA B	ADJACENT TO ROUTE 0212B		N/A	0.000	0.000	0.000			0	GR	
0924C	105019		INDIAN COVE PARKING AREA C	ADJACENT TO ROUTE 0212B		N/A	0.000	0.000	0.000			0	GR	
0924D	105098		INDIAN COVE PARKING AREA D	ADJACENT TO ROUTE 0212B		N/A	0.000	0.000	0.000			0	GR	
0924E	105099		INDIAN COVE PARKING AREA E	ADJACENT TO ROUTE 0212B		N/A	0.000	0.000	0.000			0	GR	
0924F	105100		INDIAN COVE PARKING AREA F	ADJACENT TO ROUTE 0212B		N/A	0.000	0.000	0.000			0	GR	
0924G	105101		INDIAN COVE PARKING AREA G	ADJACENT TO ROUTE 0212B		N/A	0.000	0.000	0.000			0	GR	
0924H	105102		INDIAN COVE PARKING AREA H	ADJACENT TO ROUTE 0212B		N/A	0.000	0.000	0.000			0	GR	
0924I	105103		INDIAN COVE PARKING AREA I	ADJACENT TO ROUTE 0212B		N/A	0.000	0.000	0.000			0	GR	
0924J	105105		INDIAN COVE PARKING AREA J	ADJACENT TO ROUTE 0212B		N/A	0.000	0.000	0.000			0	GR	
0925	98215		BLACK ROCK CAMPGROUND DUMPSTATION	ADJACENT TO ROUTE 0214		N/A	0.000	0.000	0.000			5,492	AS	1
0926	98216		BLACK ROCK NATURE CENTER PARKING	ADJACENT TO ROUTE 0214		N/A	0.000	0.000	0.000			20,830	AS	1
0927	19495		ECHO TEE PARKING	FROM ROUTE 0405	TO PARKING	N/A	0.000	0.000	0.000			0	GR	
0928	97439		PINE CITY BACKCOUNTRY BOARD PARKING	ADJACENT TO ROUTE 0100 AT MP 2.972 ON LEFT		N/A	0.000	0.000	0.000			0	NV	
0929	98203		LIVE OAK PICNIC PARKING	FROM ROUTE 0201 AT MP 0.126 ON LEFT	TO ROUTE 0201 AT MP 0.151 ON LEFT	N/A	0.000	0.000	0.000			0	NV	
0930	98151		QUEEN MOUNTAIN PARKING	AT END OF ROUTE 0108		N/A	0.000	0.000	0.000			0	NV	
0931	28396		WALL STREET MILL PARKING	AT END OF ROUTE 0109		N/A	0.000	0.000	0.000			0	NV	
0932	98184		YAEGER COVE PARKING	ADJACENT TO ROUTE 0405 AT MP 0.325 ON RIGHT		N/A	0.000	0.000	0.000			0	NV	
0933A	98217		KEYS RANCH GATE PARKING A	ADJACENT TO ROUTE 0405 AT MP 1.095 ON RIGHT		N/A	0.000	0.000	0.000			0	NV	

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JOTR

JOSHUA TREE NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0933B	98218		KEYS RANCH GATE PARKING B	ADJACENT TO ROUTE 0405 AT MP 1.095 ON LEFT		N/A	0.000	0.000	0.000			0	NV	
0934	98201		KEYS RANCH TOUR PARKING	FROM ROUTE 0405 AT MP 1.788 ON RIGHT	TO ROUTE 0405 AT MP 1.886 ON RIGHT	N/A	0.000	0.000	0.000			0	NV	
0935	98186		NORTH ENTRANCE EXIBIT PARKING	ADJACENT TO ROUTE 0012 AT MP 0.528 ON RIGHT		N/A	0.000	0.000	0.000			0	GR	
0936	98188		CHOLLA CACTUS GARDEN PARKING	ADJACENT TO ROUTE 0011 AT MP 9.95 ON RIGHT		N/A	0.000	0.000	0.000			0	GR	
0937	98191		OCOTILLO PATCH PARKING	ADJACENT TO ROUTE 0011 AT MP 11.43 ON RIGHT		N/A	0.000	0.000	0.000			0	GR	
0938	98193		TURKEY FLATS BACKCOUNTRY BOARD PARKING	ADJACENT TO ROUTE 0011 AT MP 16.18 ON LEFT		N/A	0.000	0.000	0.000			0	NV	
0939	98194		PORCUPINE WASH BACKCOUNTRY BOARD PARKING	ADJACENT TO ROUTE 0011 AT MP 21.39 ON RIGHT		N/A	0.000	0.000	0.000			0	NV	
0940	97985		WHITE TANK CAMPGROUND SITES 3-5 PARKING	AT END OF ROUTE 0206		N/A	0.000	0.000	0.000			0	NV	
0941	89816		GEOLOGY TOUR RESTROOM PARKING	FROM ROUTE 0300	TO PARKING	N/A	0.000	0.000	0.000			0	GR	
0942	98195		GEOLOGY TOUR BACKCOUNTRY BOARD PARKING	FROM ROUTE 0300	TO PARKING	N/A	0.000	0.000	0.000			0	NV	
0943	98196		SQUAW TANK PARKING	FROM ROUTE 0300	TO PARKING	N/A	0.000	0.000	0.000			0	NV	
0944	98197		PLEASANT VALLEY BACKCOUNTRTY BOARD PARKING	FROM ROUTE 0300	TO PARKING	N/A	0.000	0.000	0.000			0	NV	
0945	98202		BLACK ROCK CAMPGROUND PICNIC PARKING	FROM ROUTE 0214	TO PARKING	N/A	0.000	0.000	0.000			0	NV	
0946	98237		LOWER COVINGTON PICNIC PARKING	FROM ROUTE 0210	TO PARKING	N/A	0.000	0.000	0.000			0	NV	
0947	98238		COVINGTON BACKCOUNTRY BOARD PARKING	FROM ROUTE 0218	TO PARKING	N/A	0.000	0.000	0.000			0	NV	
0948	98240		EUREKA PEAK PARKING	FROM ROUTE 0220	TO PARKING	N/A	0.000	0.000	0.000			0	NV	
0949	20060		BOY SCOUT BACKCOUNTRY BOARD PARKING	FROM ROUTE 0012	TO PARKING	N/A	0.000	0.000	0.000			0	GR	

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JOTR

JOSHUA TREE NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0950A	19868		LOST HORSE RANGER STATION ROAD PARKING A	ADJACENT TO ROUTE 0102 AT MP 0.022 ON LEFT		N/A	0.000	0.000	0.000			0	GR	
0950B	19868		LOST HORSE RANGER STATION ROAD PARKING B	ADJACENT TO ROUTE 0102 AT MP 0.066 ON LEFT		N/A	0.000	0.000	0.000			0	GR	
0951A	98225		LOST HORSE MINDLESS MOUND PARKING	ADJACENT TO ROUTE 0102 AT MP 0.233 ON LEFT		N/A	0.000	0.000	0.000			0	NV	
0951B	98226		LOST HORSE FREEWAY WALL PARKING	ADJACENT TO ROUTE 0102 AT MP 0.374 ON LEFT		N/A	0.000	0.000	0.000			0	NV	
0951C	98227		LOST HORSE WALL PARKING	ADJACENT TO ROUTE 0102 AT MP 0.501 ON LEFT		N/A	0.000	0.000	0.000			0	NV	
0951D	98219		LOST HORSE RANGER STATION ROAD GATE PARKING	ADJACENT TO ROUTE 0102 AT MP 0.617 ON RIGHT		N/A	0.000	0.000	0.000			0	NV	
0952	N/A		LOST HORSE RANGER STATION PARKING	FROM ROUTE 0102	TO PARKING	N/A	0.000	0.000	0.000			17,124	AS	1
0953	19898		CAP ROCK PARKING	FROM ROUTE 0013	TO PARKING	N/A	0.000	0.000	0.000			0	AS	
0954	98198		JUNIPER FLATS BACKCOUNTRY BOARD PARKING	FROM ROUTE 0013	PARKING	N/A	0.000	0.000	0.000			0	GR	
0955	19494		LOST HORSE MINE PARKING	FROM ROUTE 0106	TO PARKING	N/A	0.000	0.000	0.000			0	GR	
0956	98200		NORTH ENTRANCE SIGN PARKING	ADJACENT TO UTAH TRAIL ROAD AT NORTH ENTRANCE SIGN ON RIGHT		N/A	0.000	0.000	0.000			0	AS	
0957	N/A		BARREN OR BOUNTIFUL PARKING	FROM ROUTE 0012 AT MP 25.05	TO PARKING	N/A	0.000	0.000	0.000			4,150	AS	1
0958	N/A		RYAN RANCH PARKING	FROM ROUTE 0012 AT MP 16.33	TO PARKING	N/A	0.000	0.000	0.000			6,268	AS	1
0959	N/A		HALL OF HORRORS PARKING	FROM ROUTE 0012 AT MP 15.42	TO ROUTE 0012 AT MP 15.48	N/A	0.000	0.000	0.000			17,284	AS	1
0960ZZ	N/A		JUMBO ROCKS PARKING AREAS	FROM ROUTE 0203ZZ	TO PARKING	N/A	0.000	0.000	0.000			9,555	AS	1
0961	N/A		KEYS VIEW HANDICAPPED PARKING	ADJACENT TO ROUTE 0013 AT MP 5.17		N/A	0.000	0.000	0.000			1,337	AS	1
5000	N/A		BLACK ROCK CANYON ROAD	FROM SANTA BARBARA DR	TO PARK BOUNDARY/ROUTE 0214	N/A	0.560	0.000	0.560	1		0	AS	1

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JOTR

JOSHUA TREE NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
5001	N/A		PARK BLVD	FROM TWENTYNINE PALMS HIGHWAY	TO ALTA LOMA DRIVE	N/A	1.010	0.000	1.010	1		0	AS	1
5002	N/A		INDIAN COVE ROAD	FROM TWENTYNINE PALMS HIGHWAY	TO PARK BOUNDARY/ROUTE 0212A	N/A	1.010	0.000	1.010	1		0	AS	1
5003	N/A		COTTONWOOD ROAD (SR 195)	FROM INTERSTATE 10 NORTH SIDE AND OFF RAMPS	TO PARK BOUNDARY/ROUTE 0011	N/A	0.980	0.000	0.980	1		0	AS	2
5004	N/A		UTAH TRAIL	FROM TWENTYNINE PALMS HIGHWAY	TO PARK BOUNDARY/ ROUTE 0012	N/A	2.130	0.000	2.130	1		0	AS	1
5005	N/A		CANYON ROAD	FROM TWENTYNINE PALMS HIGHWAY	TO PARK BOUNDARY/BEGINNING OF ROUTE 0213	N/A	1.210	0.000	1.210	1		0	AS	1
5006	N/A		HIGHWAY 62	FROM INTERSECTION WITH UTAH TRAIL	TO INTERSECTION WITH SR 247	N/A	22.030	0.000	22.030	1		0	AS	1

SUMMARY TOTALS FOR JOSHUA TREE NATIONAL PARK

ROUTE TOTALS

ARAN Driven Route Miles	83.920
All Paved Route Miles	85.487
All Unpaved Route Miles	105.900
TOTAL PARK ROUTE MILES	191.387
All Manually Rated Roads (SQFT)	15,650

LANE MILE TOTALS

ARAN Driven Lane Miles	171.615
Paved Parking Lane Miles	11.186
Paved MRR Lane Miles	0.269
TOTAL PAVED LANE MILES	183.070

CONCESSION TOTALS

Concession Paved Route Miles	0.000
Concession Unpaved Route Miles	0.000
Concession Paved Parking Area SQFT	0
Concession Unpaved Parking Area SQFT	0
Concession Paved MRR SQFT	0

PARKING AREA TOTALS

All Paved Parking (SQFT)	649,428
All Unpaved Parking (SQFT)	0
TOTAL ALL PARKING (SQFT)	649,428

WEIGHTED AVERAGE PARK VALUES

PCR (Rating)	SCR (Rating)	RCI (Rating)	RUT (Index)	AC (Index)	LC (Index)	TC (Index)	PATCH (Index)	PCR (Concession)
69.98	59.05	84.51	73.79	98.52	94.32	92.19	99.89	N/A

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General Park Road Functional Classification Table

Class 1 Principal Park Road/Rural Parkway (Public Roads) Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Route Numbers 1 - 99. Note: Rural parkways (e.g. Natchez Trace) are numbered 1 - 9. State Routes Inventoried for Park. Route Numbers 5000-5999

Class 2 Connector Park Road (Public Roads) - Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc. Route Numbers 100-199.

Class 3 Special Purpose Park Road (Public Roads) - Roads which provide circulation within public areas, such as campgrounds, picnic areas, visitor center complexes, concessionaire facilities, etc. These roads generally serve low-speed traffic and are often designed for one-way circulation. Route Numbers 200-299.

Class 4 Primitive Park Roads (Public Roads) - Roads which provide circulation through remote areas and/or access to primitive campgrounds and undeveloped areas. These roads frequently have no minimum design standards and their use may be limited to specially equipped vehicles. Route Numbers 200-299.
Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.

Class 5 Administrative Access Road (Administrative Roads) - All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas. Route Numbers 400-499.

Class 6 Restricted Road (Administrative Roads) - All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. Route Numbers 400-499.
Note: Functional Classes 5 and 6 have the same route numbers because historically they were numbered similarly and often there is little distinction between these routes. For example, because utility areas and employee housing are often closed to the public, this restriction would result in classification of FC 6 rather than FC 5.

Class 7 Urban Parkway (Urban Parkways and City Streets) - These facilities serve high volumes of park and non-park related traffic and are restricted, limited-access facilities in an urban area. This category of roads primarily encompasses the major parkways which serve as gateways to our nation's capital. Other major park roads or portions thereof, however, may be included in this category. Route Numbers 1-9.

Class 8 City Streets (Urban Parkways and City Streets) - City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service. The construction and/or reconstruction should conform with accepted local engineering practice and local conditions. Route Numbers 600-699.

****

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

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

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

Surface Type Abbreviations:

AS - Asphaltic Concrete Pavement

CO - Portland Cement Concrete Pavement

BR - Brick or Pavers Road Bed

CB - Cobble Stone Road Bed

GR - Gravel Road Bed

SA - Sand Road Bed

NV - Native or Dirt Material Road Bed

OT - Other Materials Road Bed

NPS/RIP Subcomponent Details for JOTR

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JOTR

JOSHUA TREE NATIONAL PARK

Asset Entered in FMSS System

Rte. No.	FMSS No.	Sub Comp	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0203ZZ	19763		JUMBO ROCKS CAMPGROUND	FROM ROUTE 0012 AT MP 8.1	THROUGH CAMPGROUND		3	1.32	0.00	1.32	0
0960ZZ	N/A		JUMBO ROCKS PARKING AREAS	FROM ROUTE 0203ZZ	TO PARKING			0.00	0.00	0.00	9,555

Asset JOTR-0203ZZ Subcomponent Breakdown

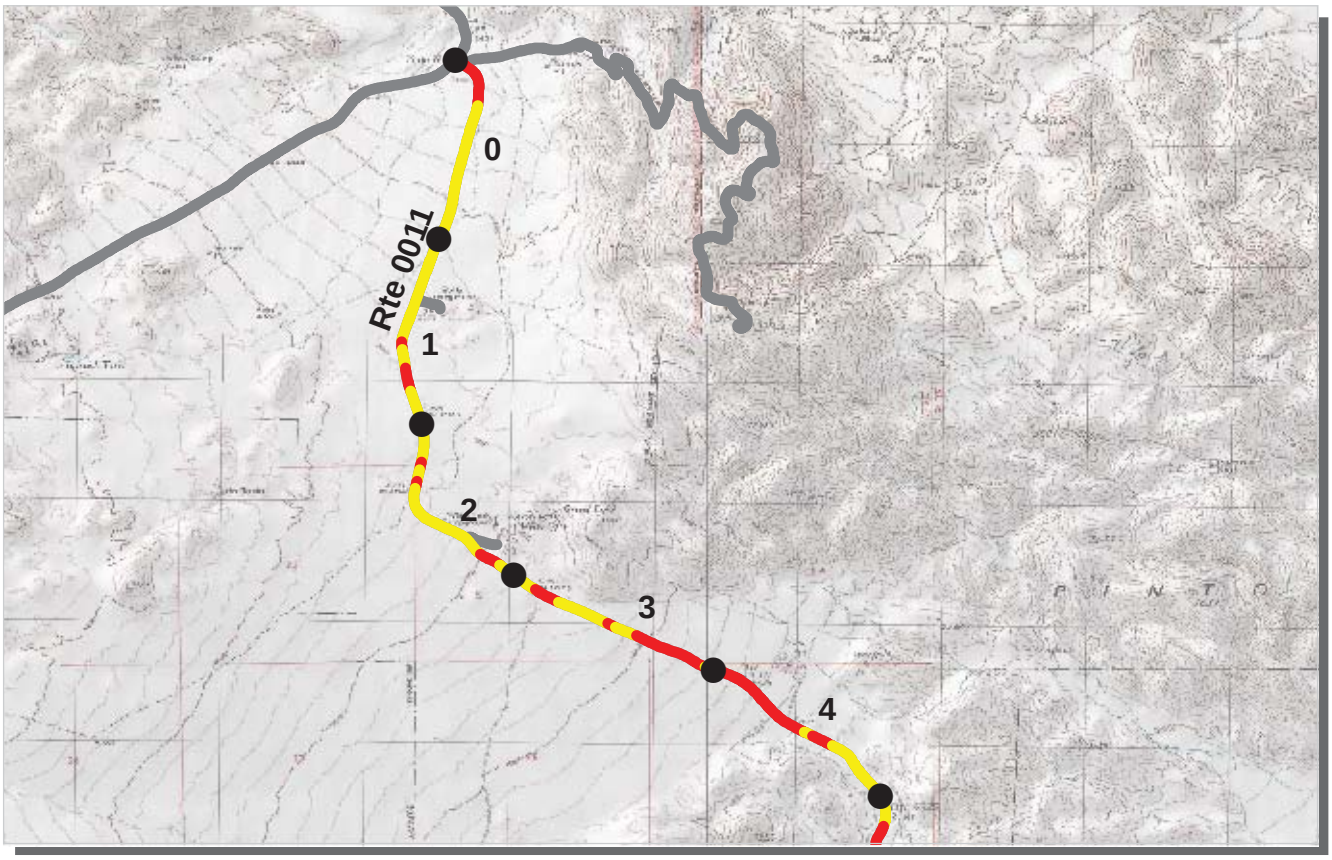
Rte. No.	FMSS No.	Sub Comp	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0203AZ	19763	■	JUMBO ROCKS CAMPGROUND ROAD	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 10.05 (ON LEFT)	TO END OF LOOP		3	0.72	0.00	0.72	0
0203BZ	19763	■	JUMBO ROCKS CAMPGROUND LOOP B	FROM ROUTE 0203AZ @ MP .18 ON LEFT	TO ROUTE 0203AZ @ MP .15 ON LEFT		3	0.07	0.00	0.07	0
0203CZ	19763	■	JUMBO ROCKS CAMPGROUND LOOP C	FROM ROUTE 0203AZ @ MP .23 ON LEFT	TO ROUTE 0203AZ @ MP .20 ON LEFT		3	0.04	0.00	0.04	0
0203DZ	19763	■	JUMBO ROCKS CAMPGROUND LOOP D	FROM ROUTE 0203AZ @ MP .25 ON RIGHT	TO ROUTE 0203AZ @ MP .28 ON RIGHT		3	0.05	0.00	0.05	0
0203EZ	19763	■	JUMBO ROCKS CAMPGROUND LOOP E	FROM ROUTE 0203AZ @ MP .29 ON RIGHT	TO ROUTE 0203AZ @ MP .46 ON RIGHT		3	0.18	0.00	0.18	0
0203FZ	19763	■	JUMBO ROCKS CAMPGROUND LOOP F	FROM ROUTE 0203AZ @ MP .37 ON LEFT	TO ROUTE 0203AZ @ MP .32 ON LEFT		3	0.08	0.00	0.08	0
0203GZ	19763	■	JUMBO ROCKS CAMPGROUND LOOP G	FROM ROUTE 0203AZ @ MP .52 ON RIGHT	TO ROUTE 0203AZ @ MP .56 ON RIGHT		3	0.18	0.00	0.18	0

Asset JOTR-0960ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0960AZ	N/A	■	JUMBO ROCKS DAY USE PKG	FROM ROUTE 0203AZ AT MP .02	TO ROUTE 0203AZ AT MP .05			0.00	0.00	0.00	4,340
0960BZ	N/A	■	SKULL ROCK TRAIL AND AMPHITHEATER PARKING	ADJACENT TO ROUTE 0203AZ @ MP .38				0.00	0.00	0.00	1,018
0960CZ	N/A	■	SITES 72 THROUGH 76 PARKING	FROM ROUTE 0203AZ AT MP .67	TO PARKING			0.00	0.00	0.00	4,197

Joshua Tree National Park

Section 5
Paved Route Condition Rating Sheets (CRS)



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

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

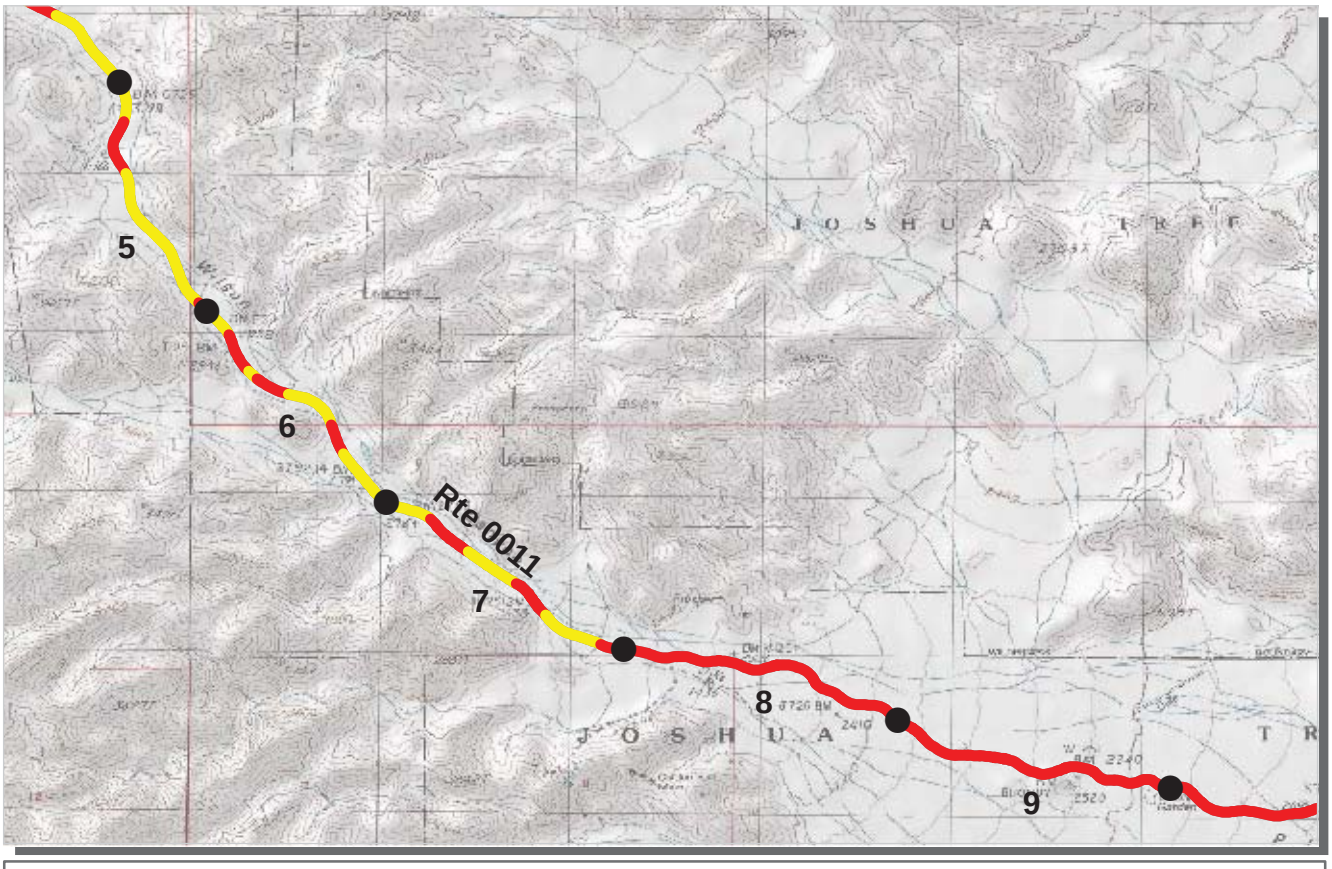
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/9/2008

ROUTE: 0011 PINTO BASIN ROAD **TOTAL LENGTH: 35.82 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	24	22	24	25	24
Lane Width (ft)	12	11	12	13	12
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	51	51	51	47	49
PCR (Pavement Condition Rating)	65	65	64	61	60
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	95	97	96	95	96
Tranverse Cracking Index	90	91	90	89	89
Patching Index	100	100	100	100	100
Rutting Index	66	64	65	63	63
Roughness Condition Index (RCI)	87	85	83	81	78

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



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

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

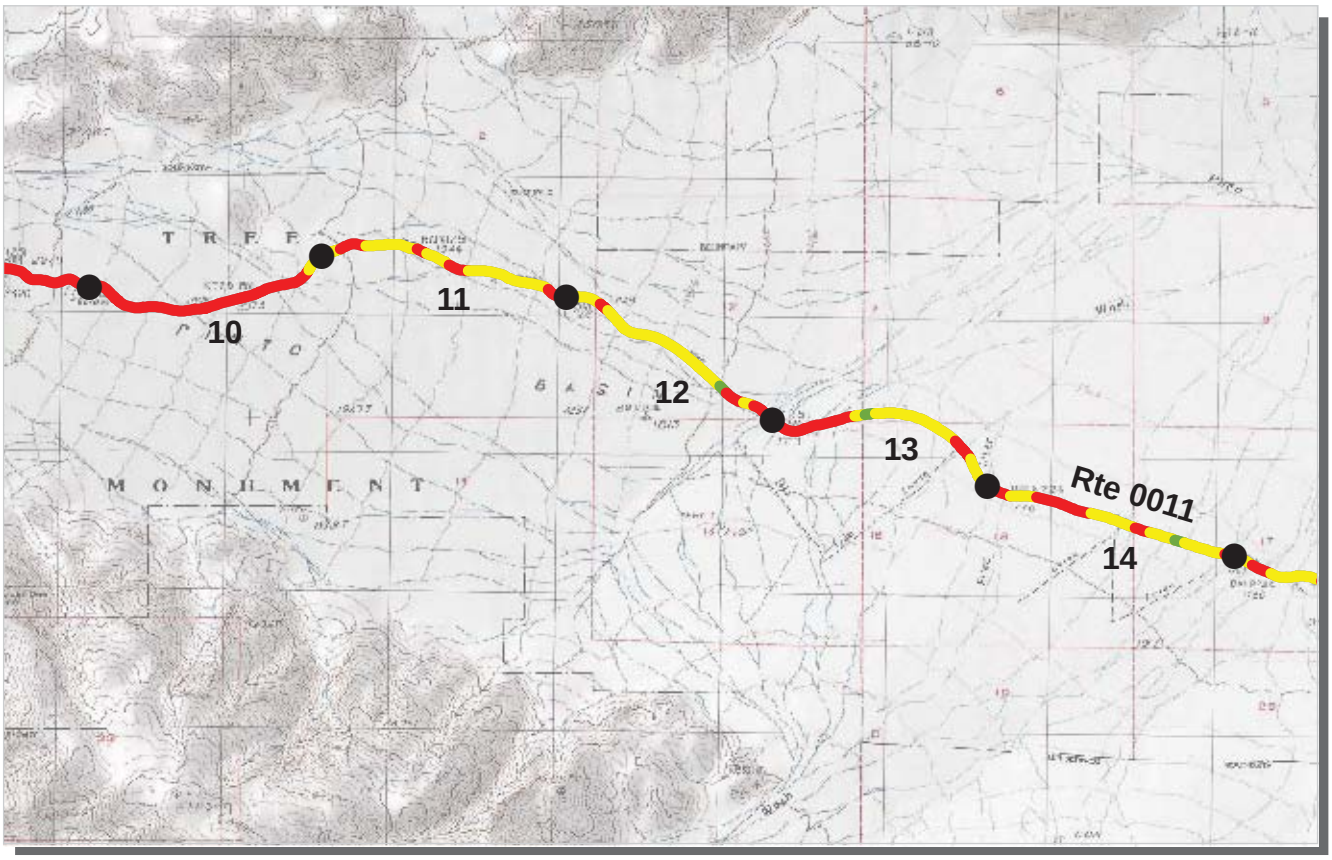
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/9/2008

ROUTE: 0011 PINTO BASIN ROAD **TOTAL LENGTH: 35.82 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov				
SADT	Click on PROGRAMS / NPS Traffic Data				
ADT Date	(Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	24	24	25	20	23
Lane Width (ft)	11	12	10	8	11
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	51	49	52	12	15
PCR (Pavement Condition Rating)	62	61	61	29	31
Distress Index Values					
Alligator Cracking Index	100	100	98	81	86
Longitudinal Cracking Index	99	97	94	94	91
Tranverse Cracking Index	90	89	88	90	87
Patching Index	100	100	99	100	99
Rutting Index	63	63	72	37	43
Roughness Condition Index (RCI)	79	80	73	55	56

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



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

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

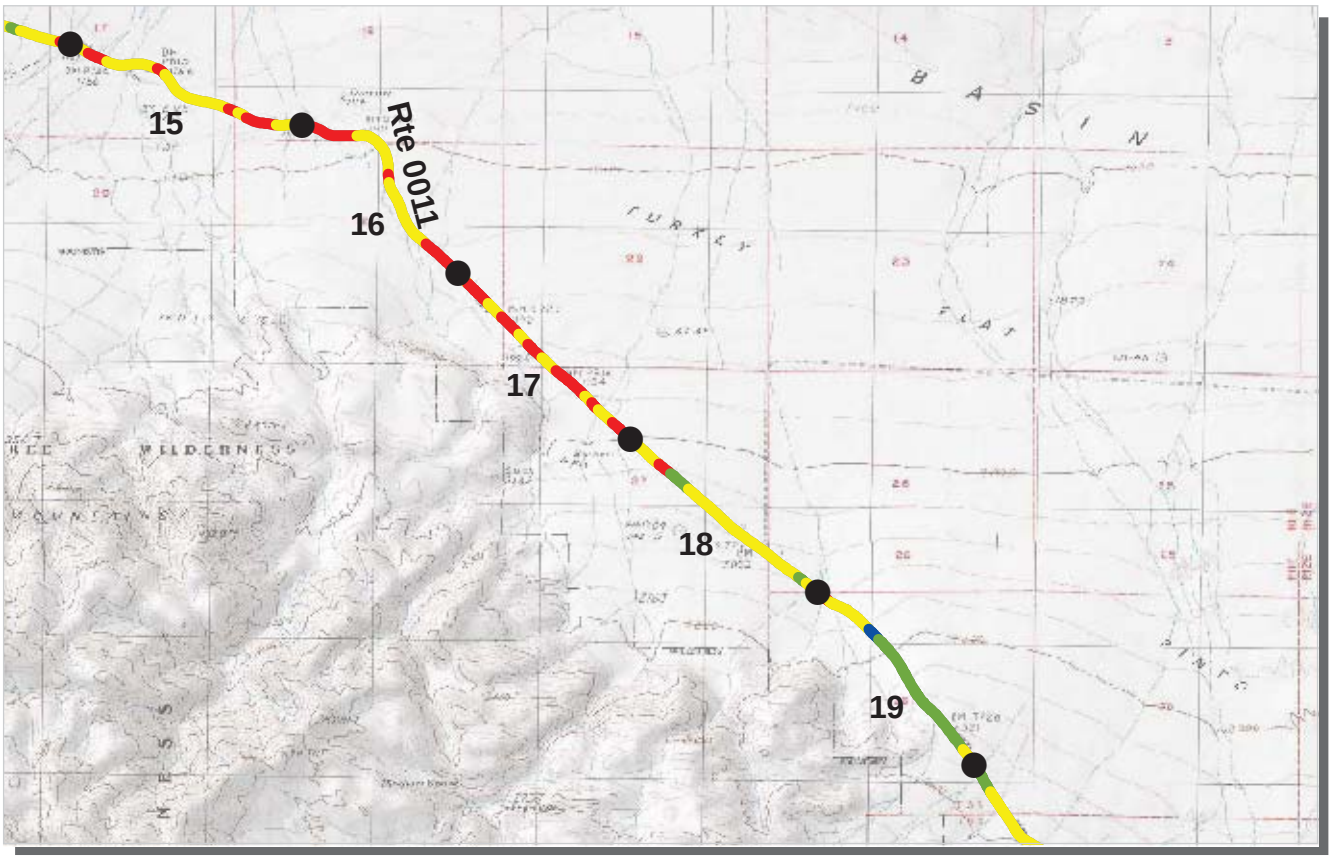
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/9/2008

ROUTE: 0011 PINTO BASIN ROAD **TOTAL LENGTH: 35.82 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	20	21	18	20
Lane Width (ft)	11	9	10	9	9
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	35	64	60	57	64
PCR (Pavement Condition Rating)	42	66	67	62	64
Distress Index Values					
Alligator Cracking Index	88	100	100	99	100
Longitudinal Cracking Index	92	93	89	91	92
Tranverse Cracking Index	91	92	86	84	87
Patching Index	99	100	100	100	100
Rutting Index	64	79	85	82	85
Roughness Condition Index (RCI)	55	69	78	70	65

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



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

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

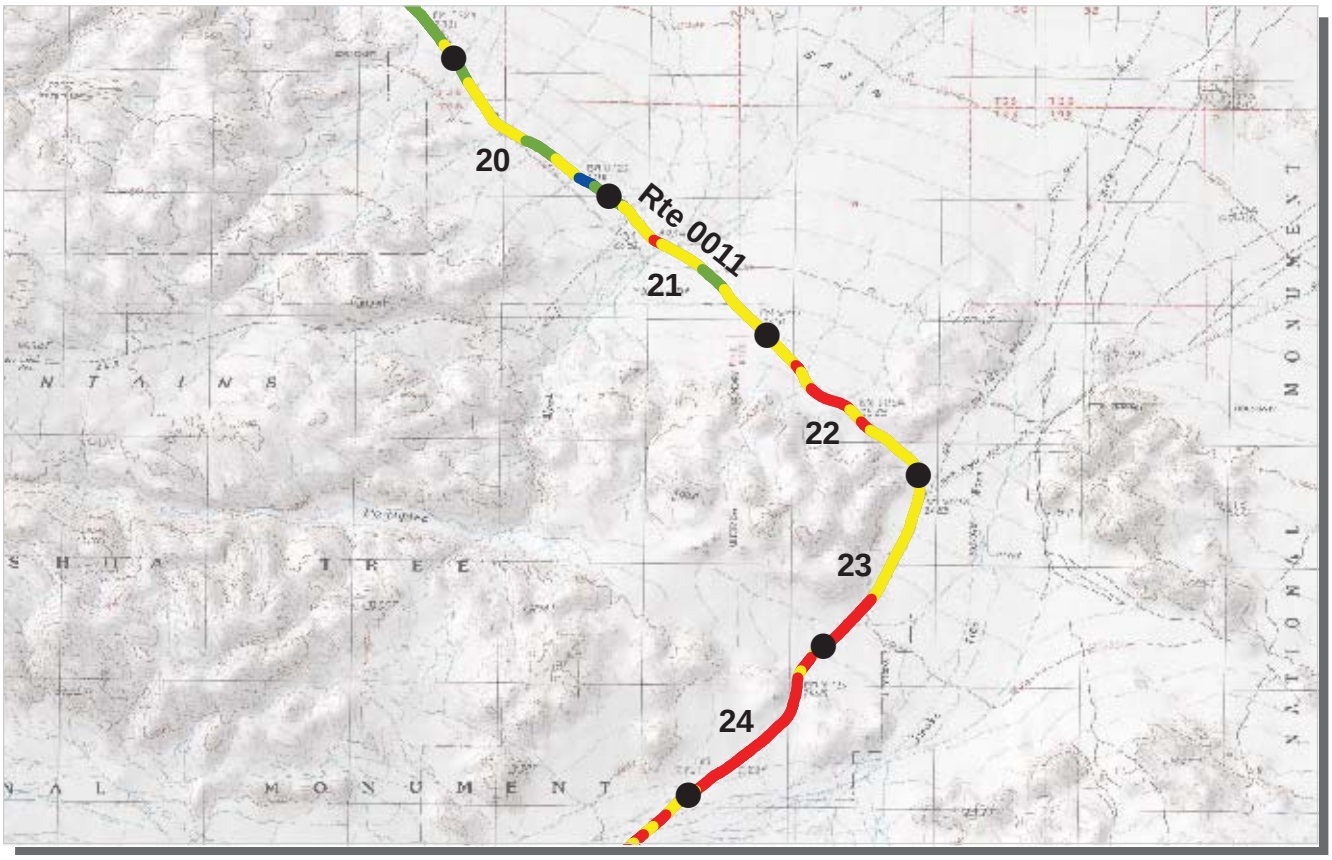
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/9/2008

ROUTE: 0011 PINTO BASIN ROAD **TOTAL LENGTH: 35.82 Miles**

Section Number	15	16	17	18	19
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	18	20	19
Lane Width (ft)	9	9	9	9	9
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	58	58	48	77	84
PCR (Pavement Condition Rating)	66	63	59	76	85
Distress Index Values					
Alligator Cracking Index	100	100	99	100	100
Longitudinal Cracking Index	92	87	82	97	98
Tranverse Cracking Index	89	83	78	97	99
Patching Index	100	100	100	100	100
Rutting Index	78	88	89	82	88
Roughness Condition Index (RCI)	77	69	76	75	86

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



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

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

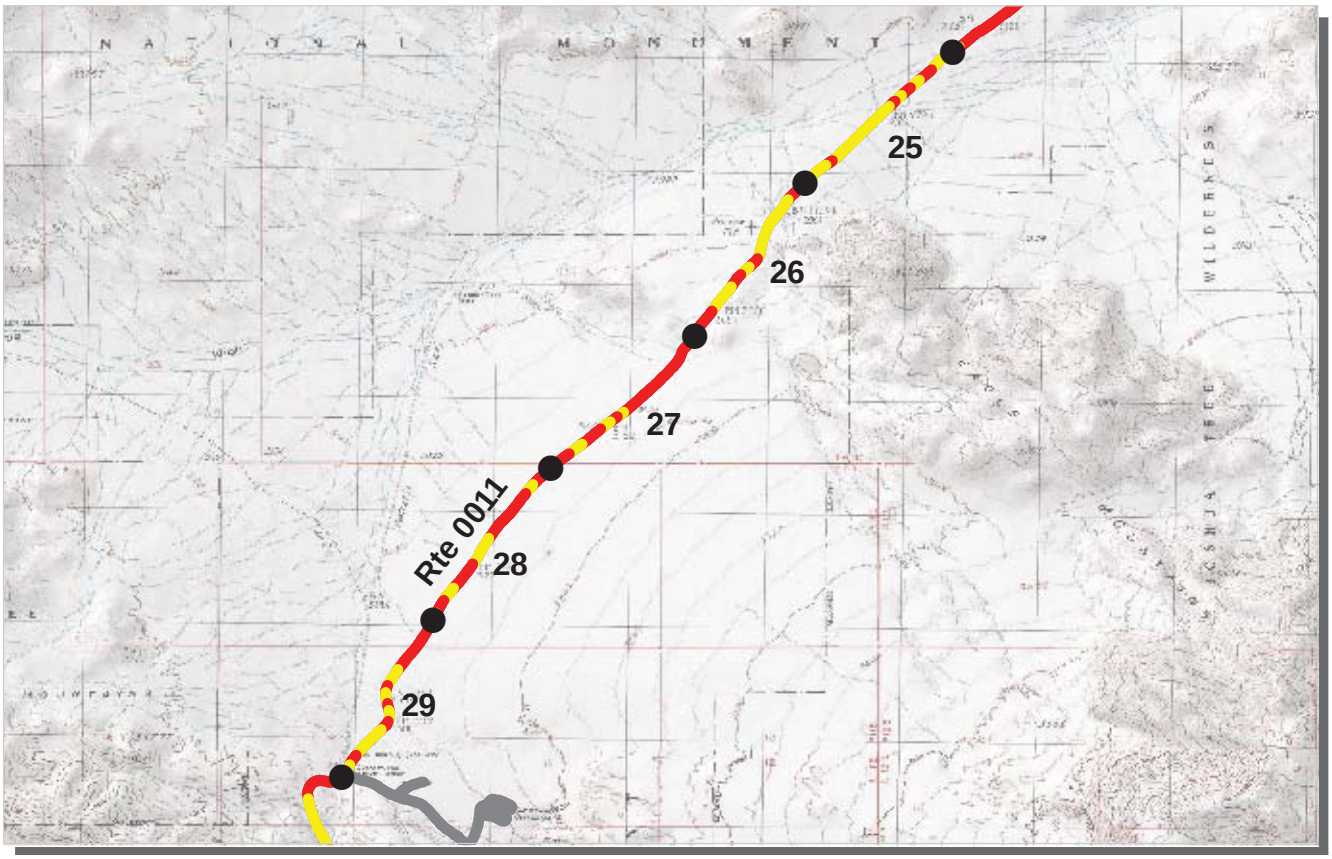
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/9/2008

ROUTE: 0011 PINTO BASIN ROAD **TOTAL LENGTH: 35.82 Miles**

Section Number	20	21	22	23	24
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov				
SADT	Click on PROGRAMS / NPS Traffic Data				
ADT Date	(Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	19	21	20	19
Lane Width (ft)	10	9	10	10	10
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	81	74	58	55	43
PCR (Pavement Condition Rating)	79	73	67	62	53
Distress Index Values					
Alligator Cracking Index	100	100	93	96	98
Longitudinal Cracking Index	99	96	91	93	85
Tranverse Cracking Index	98	96	82	85	78
Patching Index	100	100	99	100	100
Rutting Index	84	82	92	81	82
Roughness Condition Index (RCI)	77	70	82	72	67

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



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

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

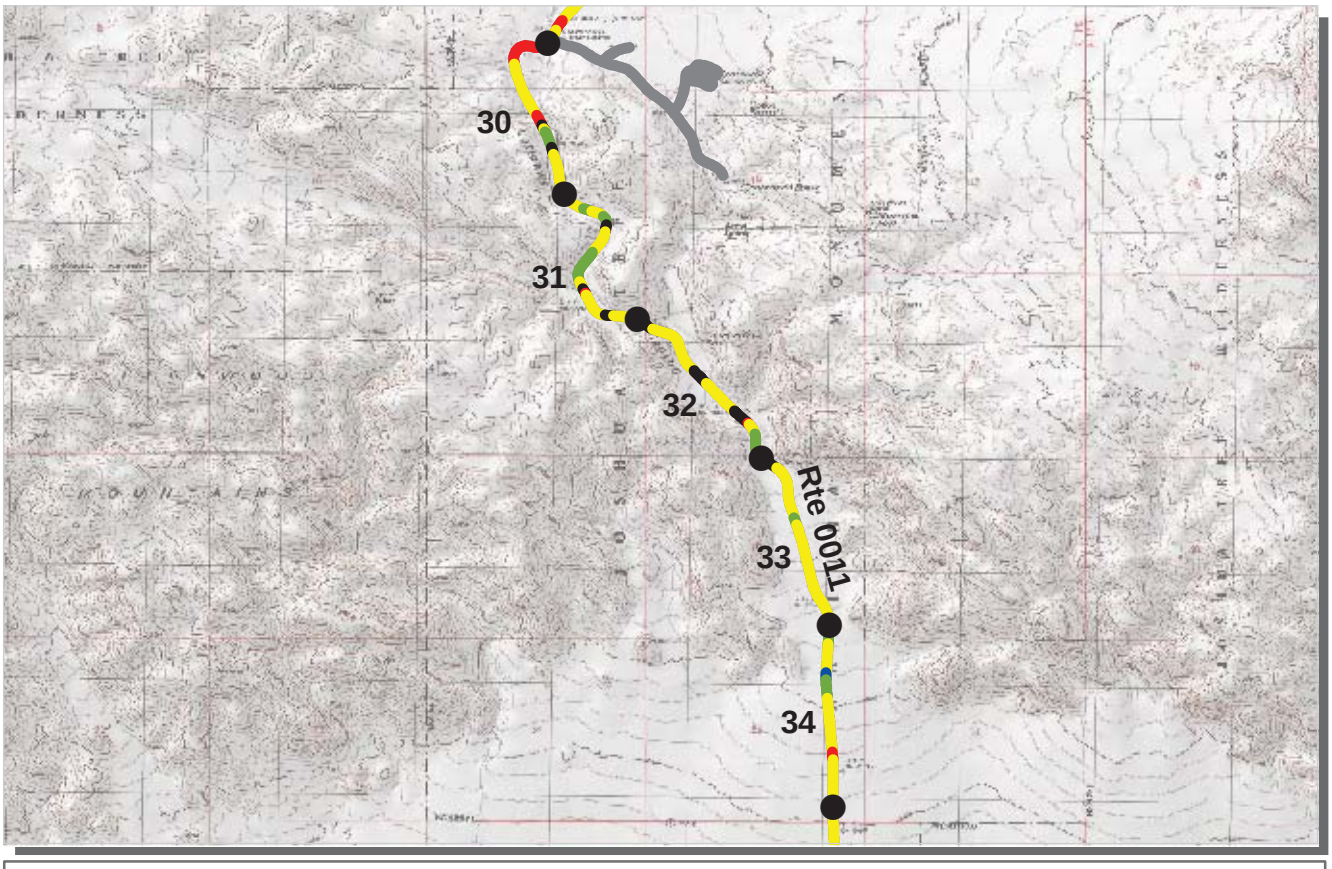
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/9/2008

ROUTE: 0011 PINTO BASIN ROAD **TOTAL LENGTH: 35.82 Miles**

Section Number	25	26	27	28	29
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic AADT SADT ADT Date	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	20	22	20
Lane Width (ft)	9	10	11	10	10
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	58	48	42	38	52
PCR (Pavement Condition Rating)	67	55	53	55	61
Distress Index Values					
Alligator Cracking Index	94	87	98	99	100
Longitudinal Cracking Index	92	91	81	75	87
Tranverse Cracking Index	90	88	78	74	81
Patching Index	100	99	100	100	100
Rutting Index	82	82	85	90	86
Roughness Condition Index (RCI)	79	70	71	81	75

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



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

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

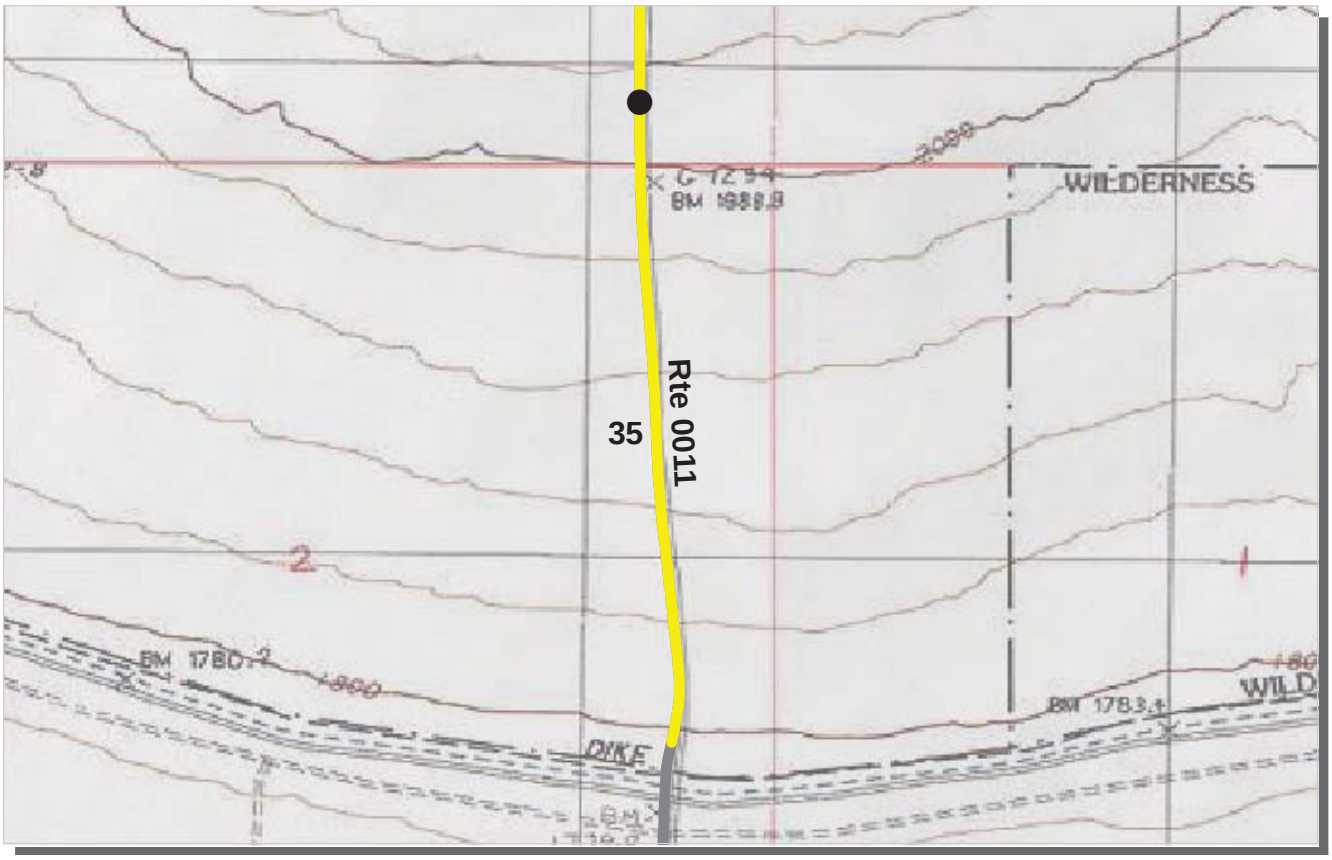
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/9/2008

ROUTE: 0011 PINTO BASIN ROAD **TOTAL LENGTH: 35.82 Miles**

Section Number	30	31	32	33	34
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	25	28	29	30
Lane Width (ft)	10	11	11	11	11
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	62	74	70	65	64
PCR (Pavement Condition Rating)	69	80	75	76	78
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	88	94	91	89	91
Tranverse Cracking Index	92	96	96	95	93
Patching Index	100	100	100	100	100
Rutting Index	82	84	84	81	80
Roughness Condition Index (RCI)	80	91	84	94	97

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



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

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

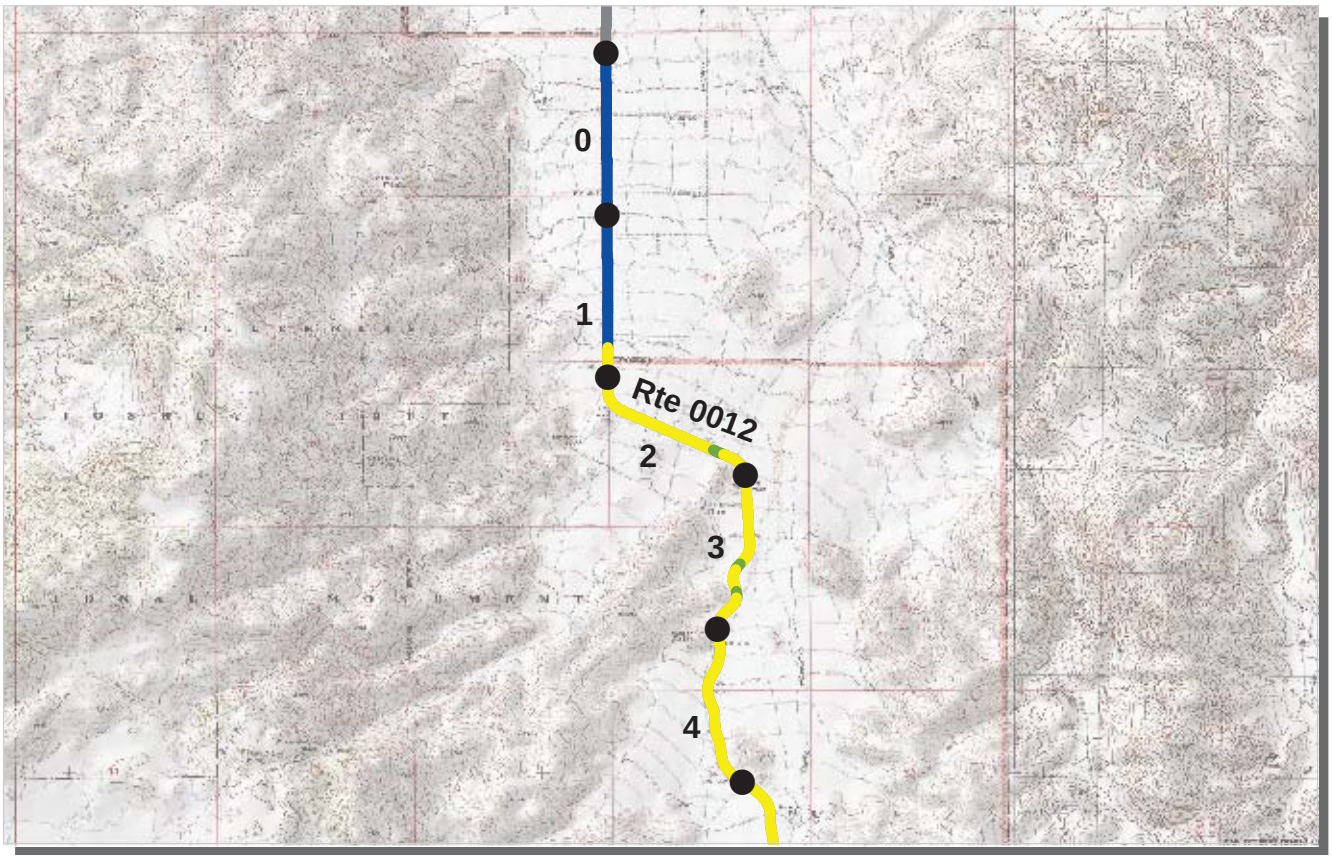
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/9/2008

ROUTE: 0011 PINTO BASIN ROAD **TOTAL LENGTH: 35.82 Miles**

Section Number	35				
Section Length (mi)	0.82				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	11				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	63				
PCR (Pavement Condition Rating)	77				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	91				
Tranverse Cracking Index	91				
Patching Index	100				
Rutting Index	81				
Roughness Condition Index (RCI)	98				

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



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

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

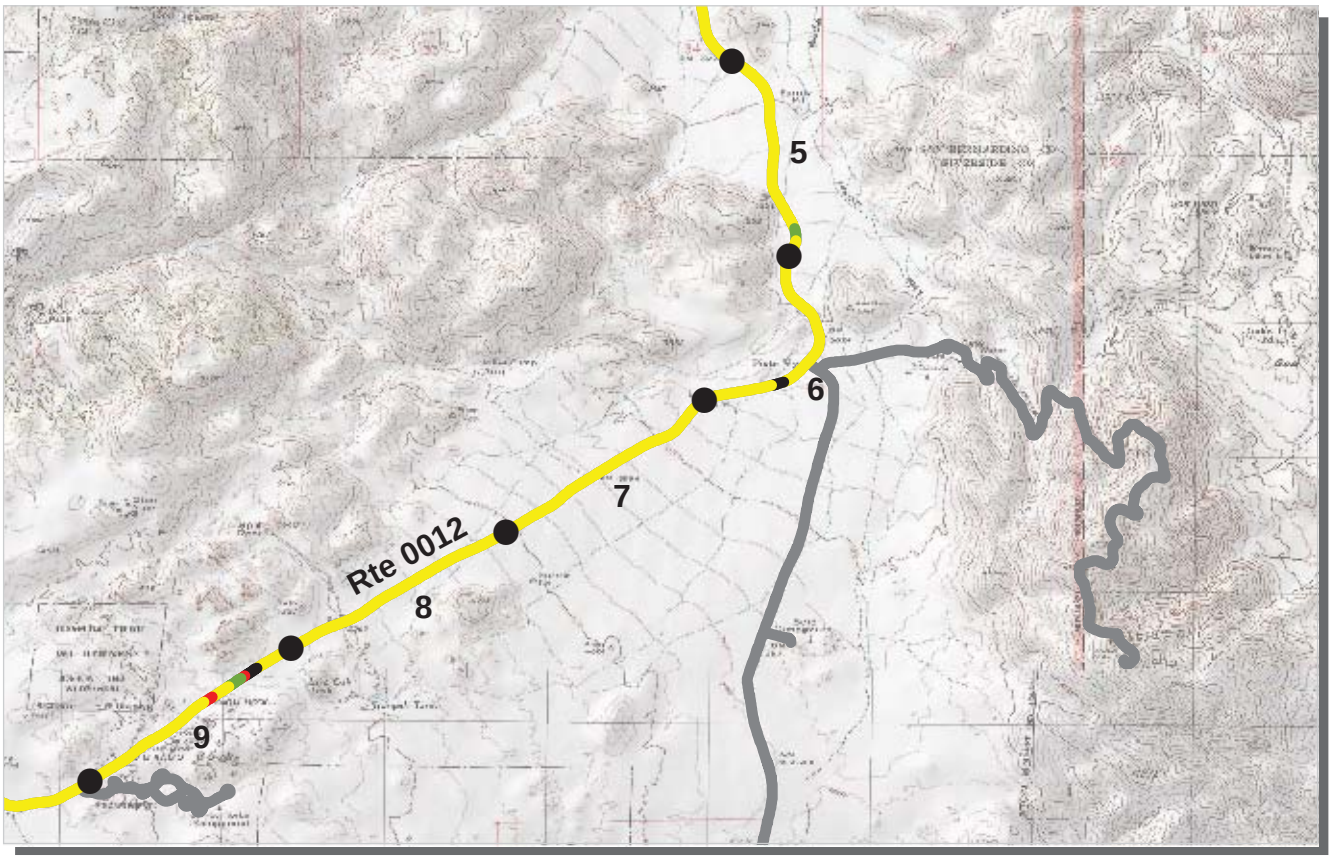
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/8/2008

ROUTE: 0012 EAST-WEST HIGHWAY **TOTAL LENGTH: 27.51 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	33	33	34	28	26
Lane Width (ft)	11	11	12	12	12
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	99	94	69	68	67
PCR (Pavement Condition Rating)	99	95	81	81	80
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Tranverse Cracking Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Rutting Index	99	95	69	68	67
Roughness Condition Index (RCI)	100	97	100	100	100

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



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

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

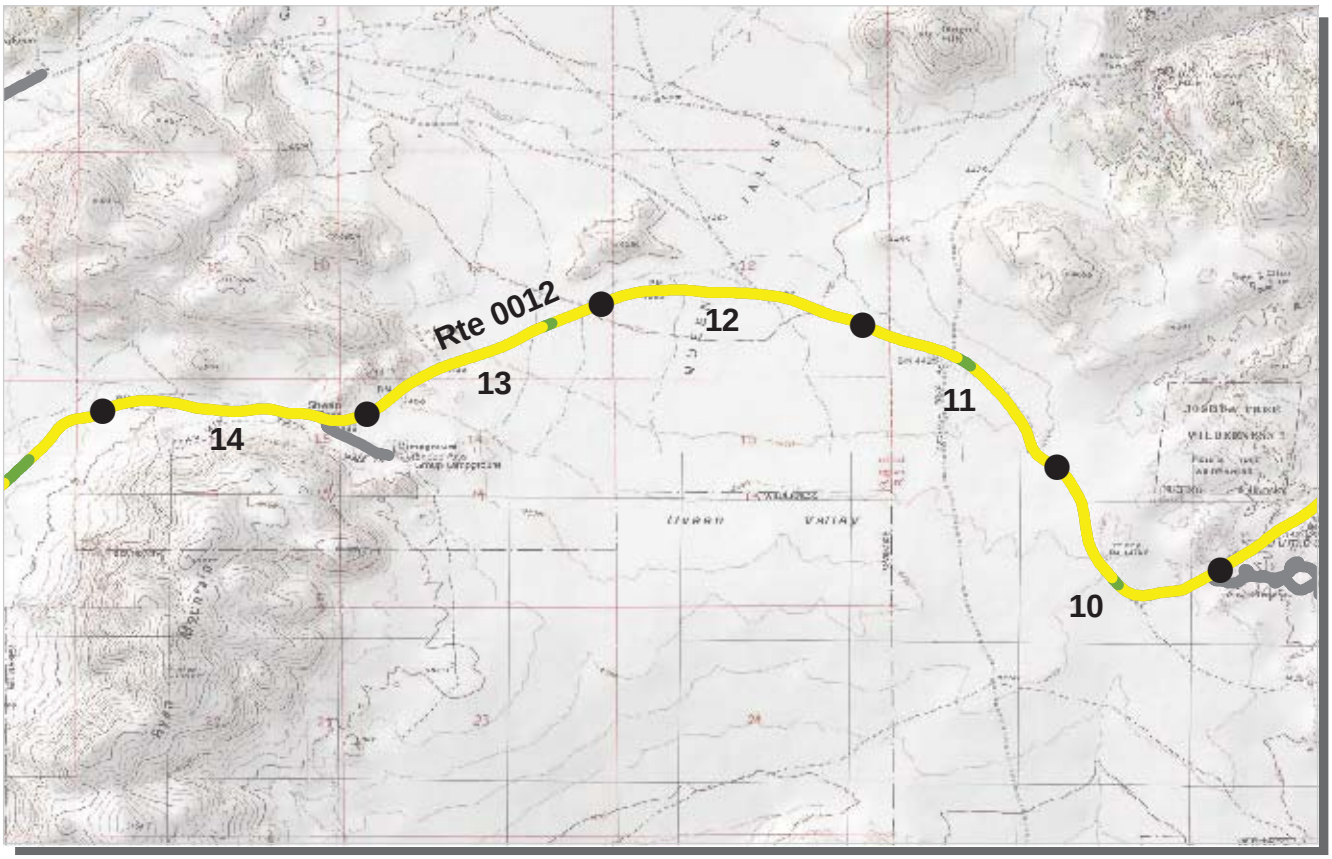
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/8/2008

ROUTE: 0012 EAST-WEST HIGHWAY **TOTAL LENGTH: 27.51 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov				
SADT	Click on PROGRAMS / NPS Traffic Data				
ADT Date	(Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	26	26	28	27	26
Lane Width (ft)	11	11	11	11	10
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	67	66	65	62	62
PCR (Pavement Condition Rating)	80	76	77	76	74
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	99	97	98	97
Tranverse Cracking Index	100	99	98	96	98
Patching Index	100	100	100	100	100
Rutting Index	67	68	70	68	68
Roughness Condition Index (RCI)	100	89	95	97	92

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



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

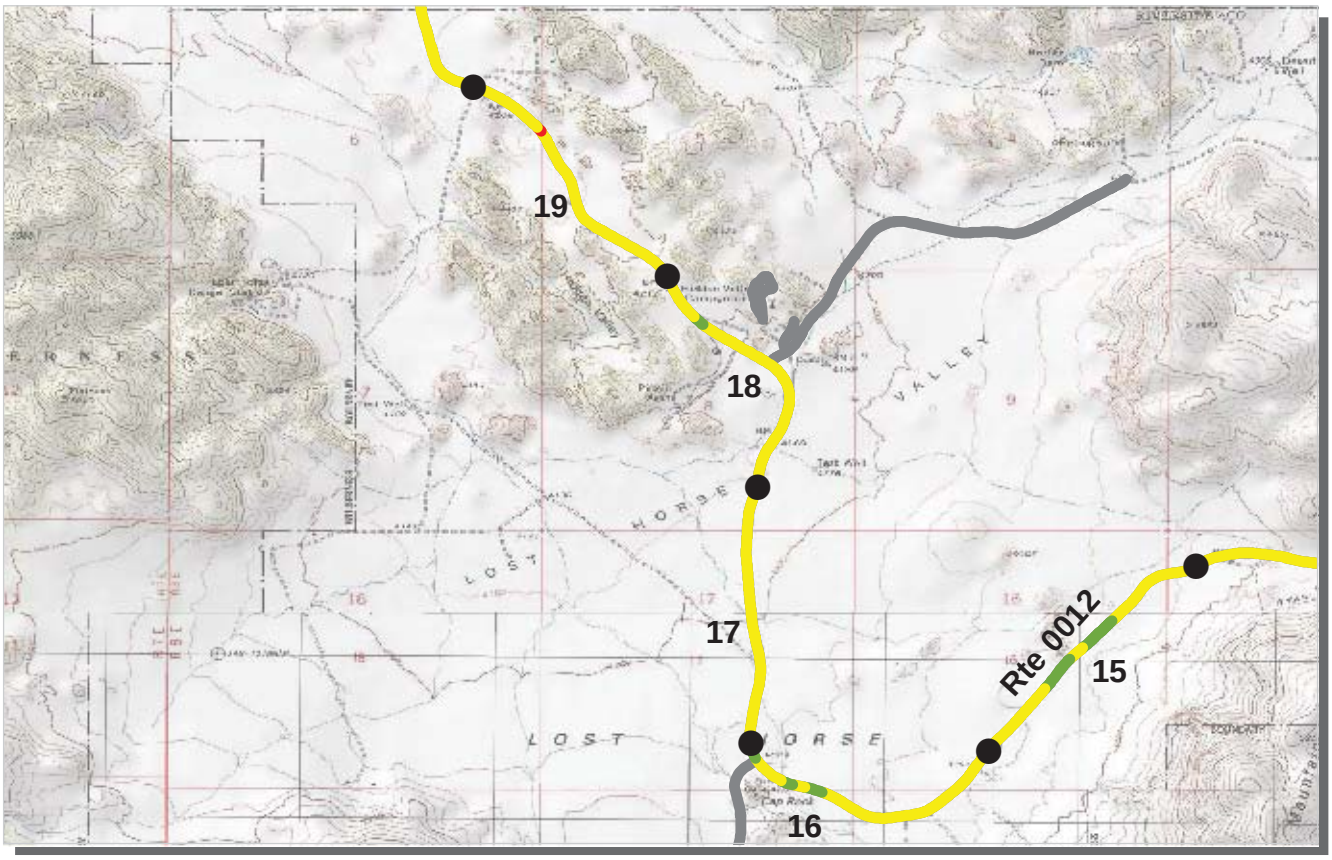
COLLECTED: 1/8/2008

ROUTE: 0012 EAST-WEST HIGHWAY **TOTAL LENGTH: 27.51 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	26	26	23	23	24
Lane Width (ft)	11	11	10	10	11
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	67	64	65	68	67
PCR (Pavement Condition Rating)	79	77	79	81	80
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	98	98	100	100	100
Tranverse Cracking Index	98	99	100	100	100
Patching Index	100	100	100	100	100
Rutting Index	71	67	65	68	67
Roughness Condition Index (RCI)	96	95	98	100	100

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

ROUTE: 0012 EAST-WEST HIGHWAY



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

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

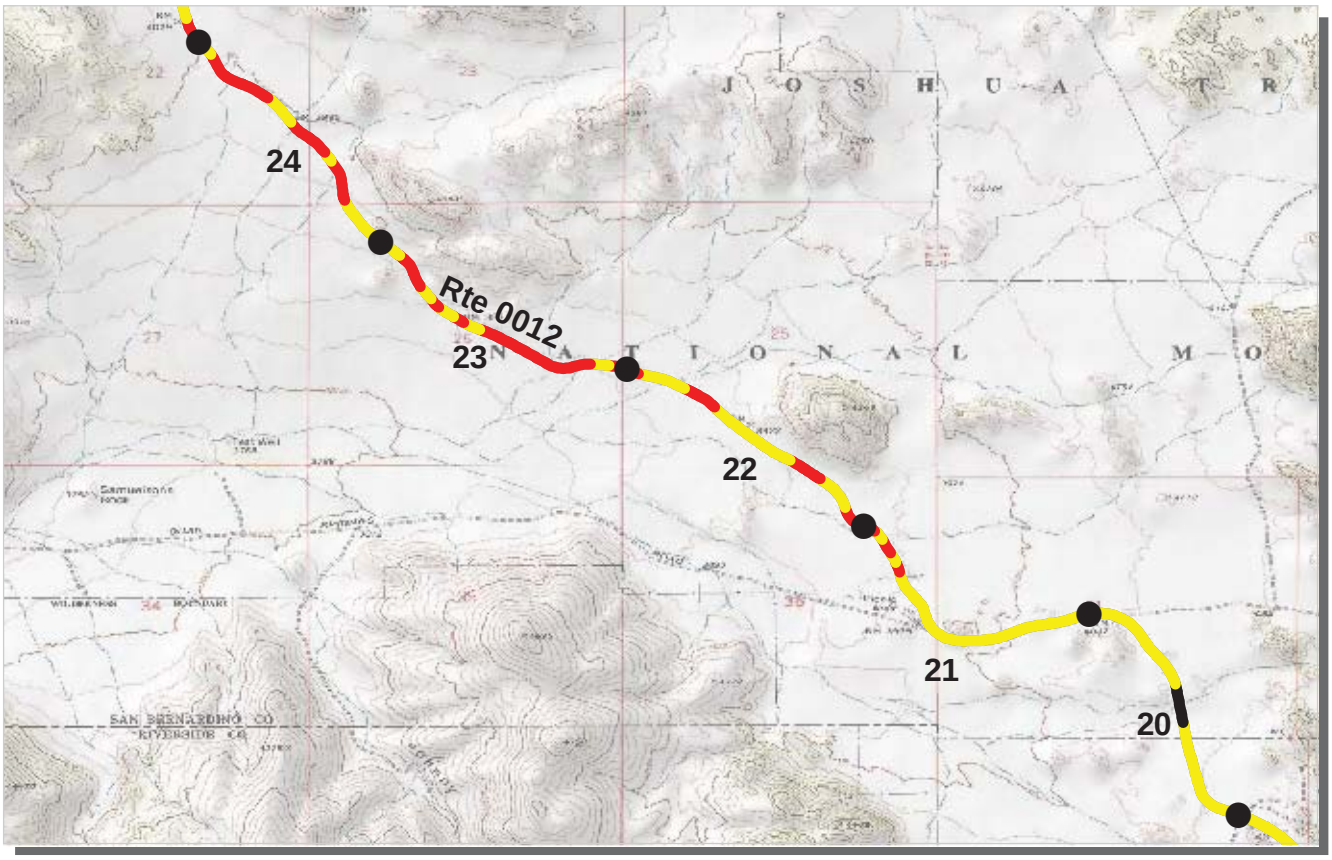
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/8/2008

ROUTE: 0012 EAST-WEST HIGHWAY **TOTAL LENGTH: 27.51 Miles**

Section Number	15	16	17	18	19
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov				
SADT	Click on PROGRAMS / NPS Traffic Data				
ADT Date	(Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	23	24	25	27	23
Lane Width (ft)	10	10	11	11	10
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	70	71	69	66	68
PCR (Pavement Condition Rating)	82	82	77	77	78
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Tranverse Cracking Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Rutting Index	70	71	69	66	68
Roughness Condition Index (RCI)	99	100	89	94	96

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



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

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

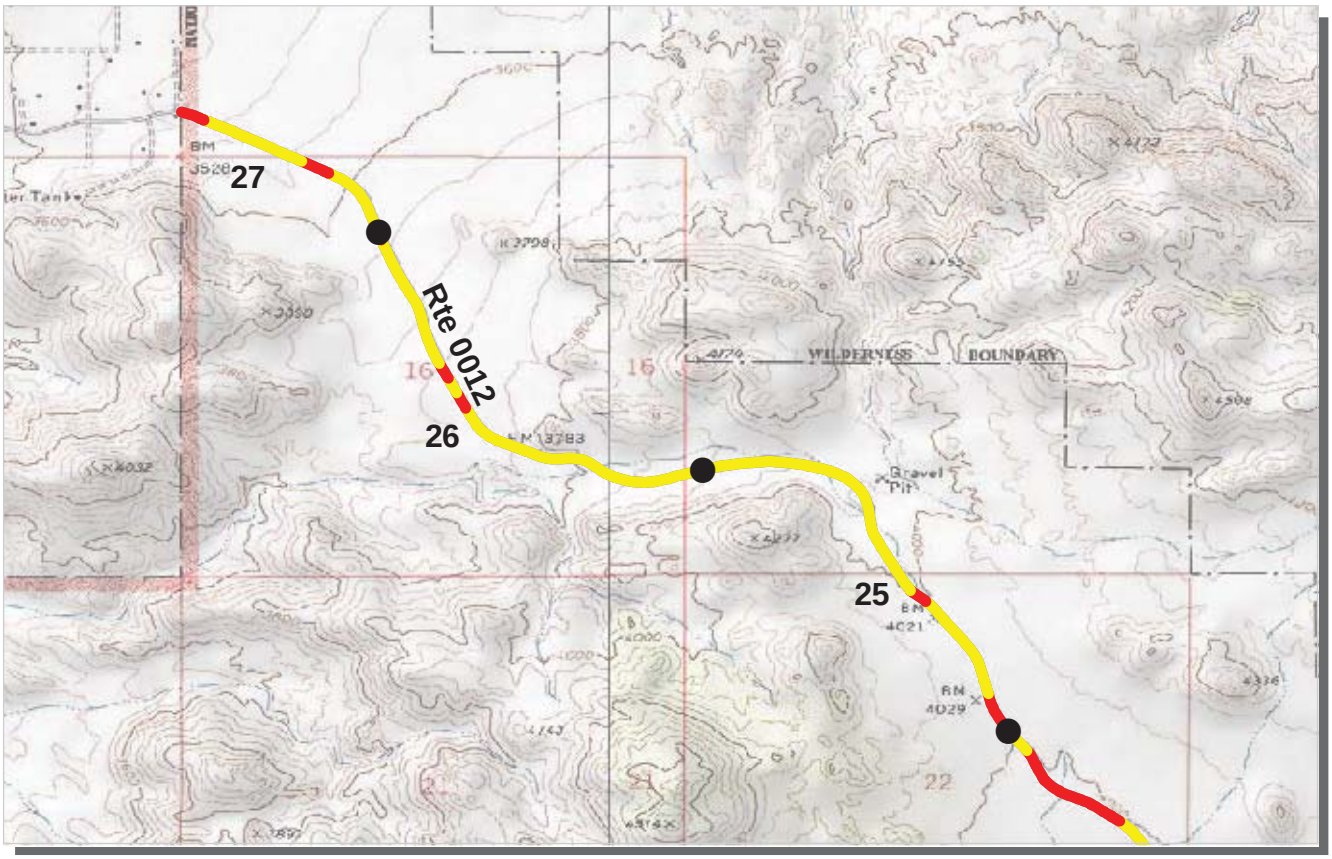
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/8/2008

ROUTE: 0012 EAST-WEST HIGHWAY **TOTAL LENGTH: 27.51 Miles**

Section Number	20	21	22	23	24
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	24	26	26	25	25
Lane Width (ft)	10	11	11	11	11
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	67	55	42	40	39
PCR (Pavement Condition Rating)	78	70	63	60	60
Distress Index Values					
Alligator Cracking Index	100	100	99	99	99
Longitudinal Cracking Index	100	96	91	91	91
Tranverse Cracking Index	100	94	89	88	88
Patching Index	100	100	100	100	100
Rutting Index	67	65	63	62	61
Roughness Condition Index (RCI)	95	92	93	89	91

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



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/8/2008

ROUTE: 0012 EAST-WEST HIGHWAY **TOTAL LENGTH: 27.51 Miles**

Section Number	25	26	27		
Section Length (mi)	1.00	1.00	0.51		
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
AADT					
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	25	27	25		
Lane Width (ft)	11	11	10		
Shoulder Width Right (ft)**	0	0	0		
Shoulder Width Left (ft)**	0	0	0		
Roadway Condition Information					
SCR (Surface Condition Rating)	49	51	46		
PCR (Pavement Condition Rating)	66	66	63		
Distress Index Values					
Alligator Cracking Index	100	98	100		
Longitudinal Cracking Index	94	95	91		
Tranverse Cracking Index	89	90	90		
Patching Index	100	100	100		
Rutting Index	65	68	65		
Roughness Condition Index (RCI)	91	89	90		

ROUTE: 0012 EAST-WEST HIGHWAY

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

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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/8/2008

ROUTE: 0013 KEY'S VIEW ROAD **TOTAL LENGTH: 5.50 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1	2	2	2	2
Paved Width (ft)	12	22	21	21	22
Lane Width (ft)	10	10	9	9	10
Shoulder Width Right (ft)**	0	0	0	0	0
Shoulder Width Left (ft)**	0	0	0	0	0
Roadway Condition Information					
SCR (Surface Condition Rating)	93	100	98	97	98
PCR (Pavement Condition Rating)	95	100	99	98	98
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Tranverse Cracking Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Rutting Index	93	100	98	97	98
Roughness Condition Index (RCI)	100	100	100	100	99

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

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

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

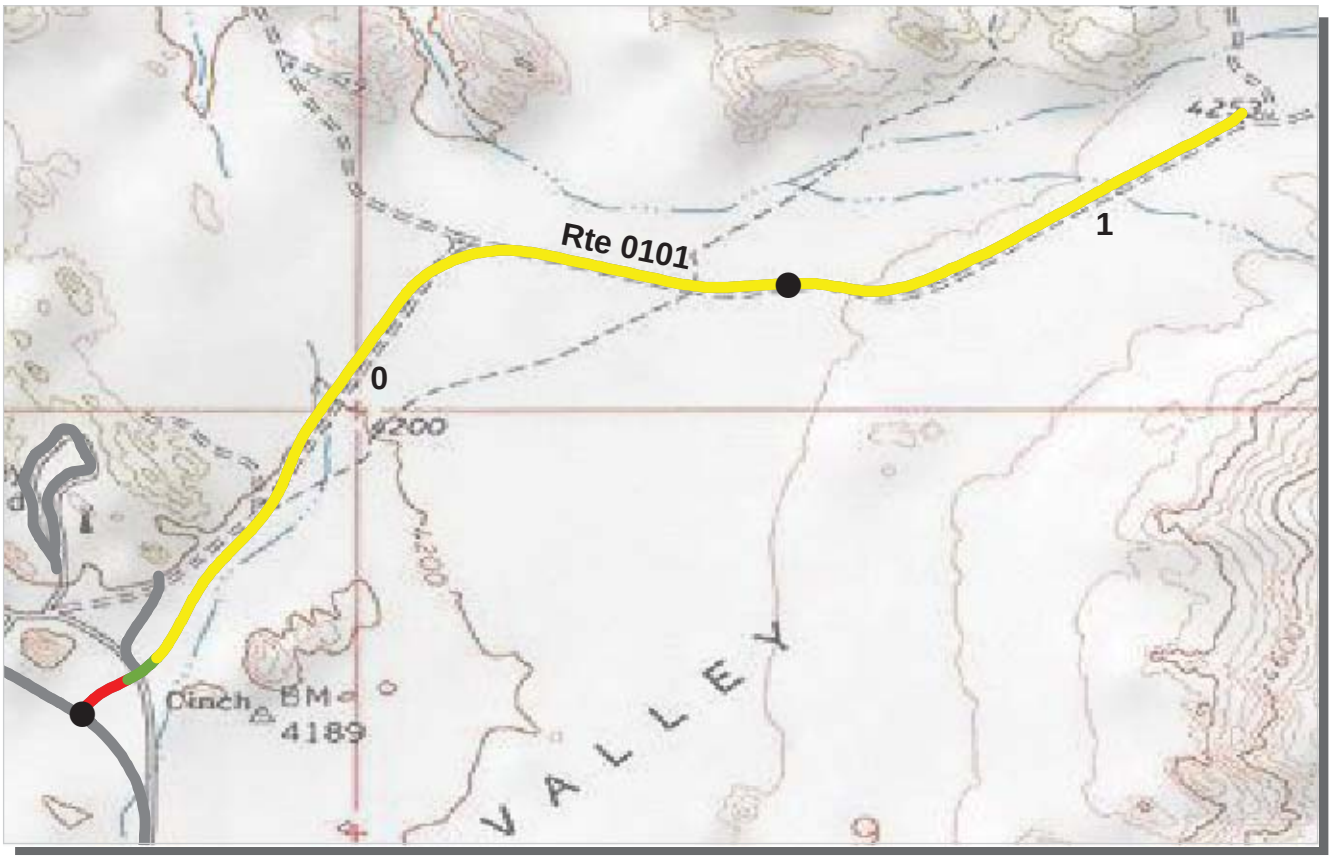
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/8/2008

ROUTE: 0013 KEY'S VIEW ROAD **TOTAL LENGTH: 5.50 Miles**

Section Number	5				
Section Length (mi)	0.50				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	9				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	98				
PCR (Pavement Condition Rating)	98				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Tranverse Cracking Index	100				
Patching Index	100				
Rutting Index	98				
Roughness Condition Index (RCI)	98				

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



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

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

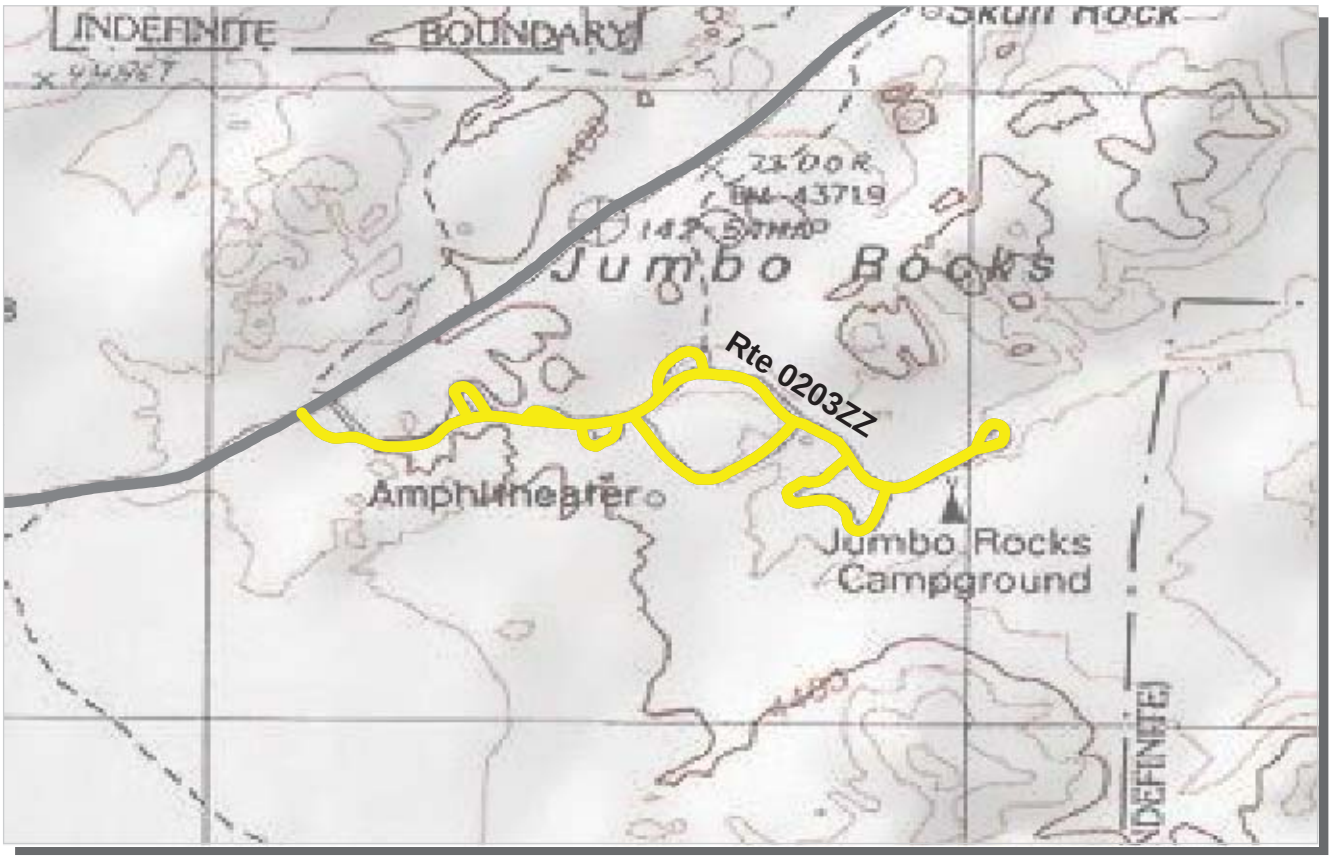
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/8/2008

ROUTE: 0101 BARKER DAM ROAD **TOTAL LENGTH: 1.51 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.51			
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	25	23			
Lane Width (ft)	11	9			
Shoulder Width Right (ft)**	0	0			
Shoulder Width Left (ft)**	0	0			
Roadway Condition Information					
SCR (Surface Condition Rating)	65	60			
PCR (Pavement Condition Rating)	77	71			
Distress Index Values					
Alligator Cracking Index	100	100			
Longitudinal Cracking Index	100	100			
Tranverse Cracking Index	100	100			
Patching Index	100	100			
Rutting Index	65	60			
Roughness Condition Index (RCI)	97	88			

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



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

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

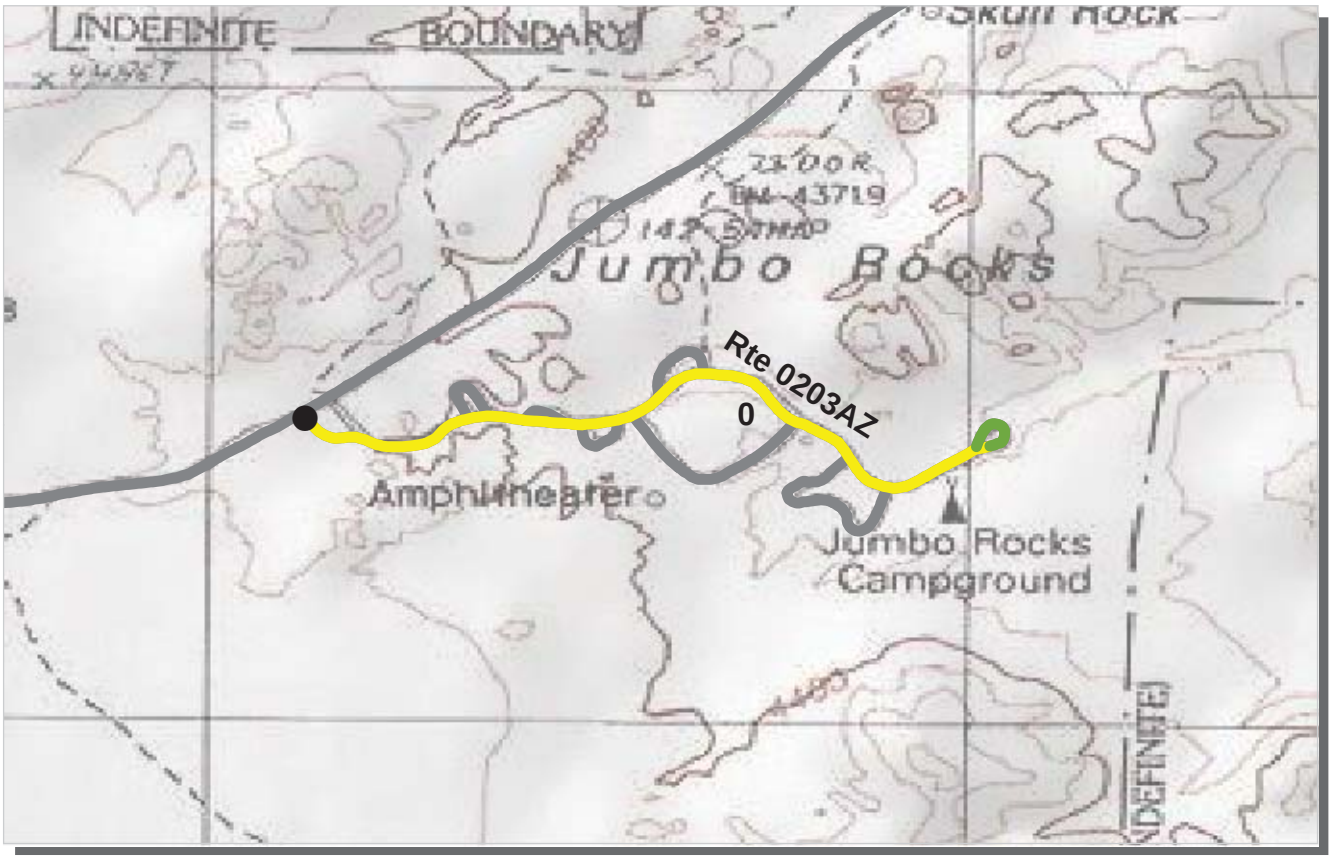
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

Summary Record **COLLECTED: 1/10/2008**

ROUTE: 0203ZZ JUMBO ROCKS CAMPGROUND **TOTAL LENGTH: 1.32 Miles**

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
AADT					
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)**	N/A				
Shoulder Width Left (ft)**	N/A				
Roadway Condition Information					
SCR (Surface Condition Rating)	84				
PCR (Pavement Condition Rating)	78				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Tranverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

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



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

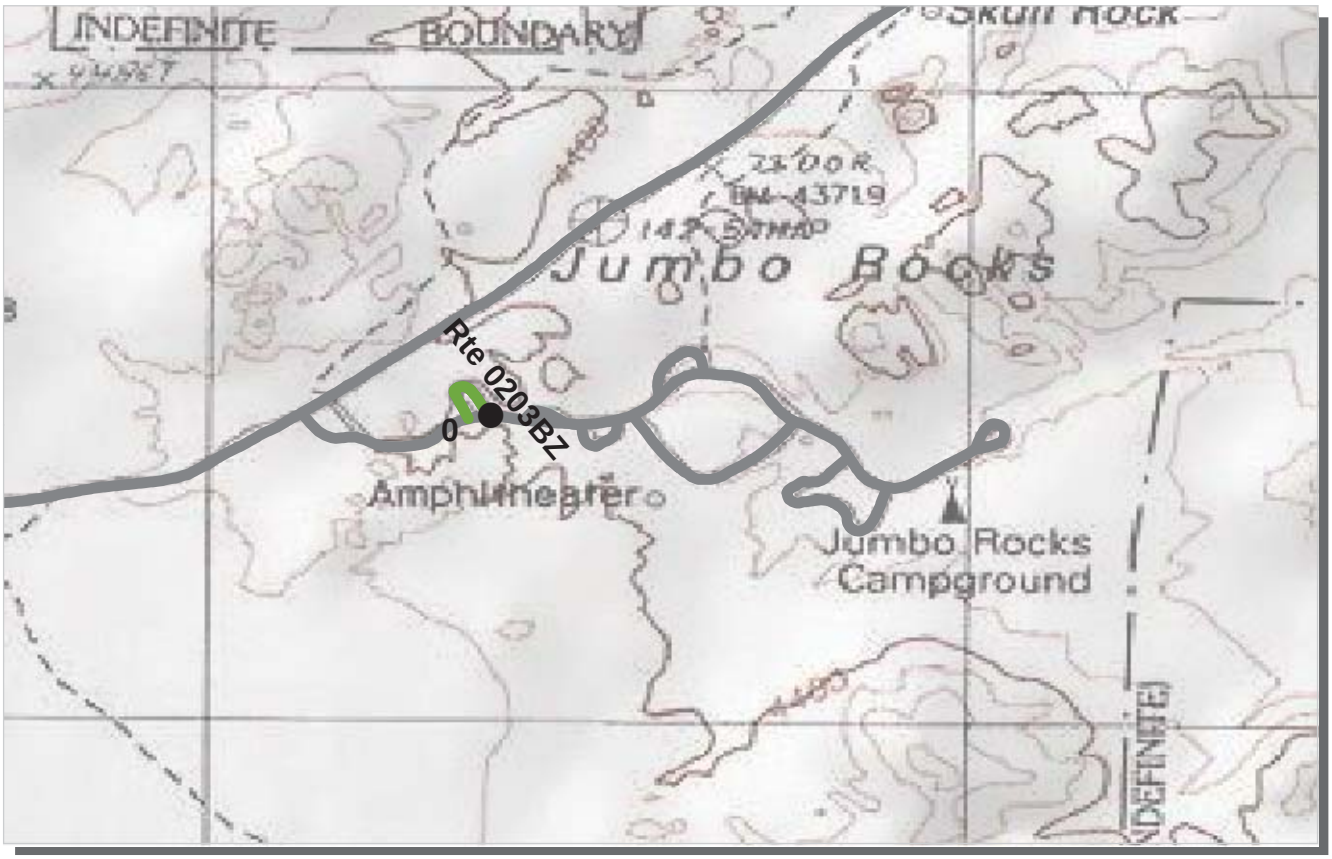
Subcomponent Record **COLLECTED: 1/10/2008**

ROUTE: 0203AZ JUMBO ROCKS CAMPGROUND ROAD **TOTAL LENGTH: 0.72 Miles**

Section Number	0				
Section Length (mi)	0.72				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	85				
PCR (Pavement Condition Rating)	77				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	97				
Tranverse Cracking Index	95				
Patching Index	100				
Rutting Index	93				
Roughness Condition Index (RCI)	60				

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

ROUTE: 0203AZ JUMBO ROCKS CAMPGROUND ROAD



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

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

PACIFIC WEST REGION

JOTR : JOSHUA TREE NATIONAL PARK

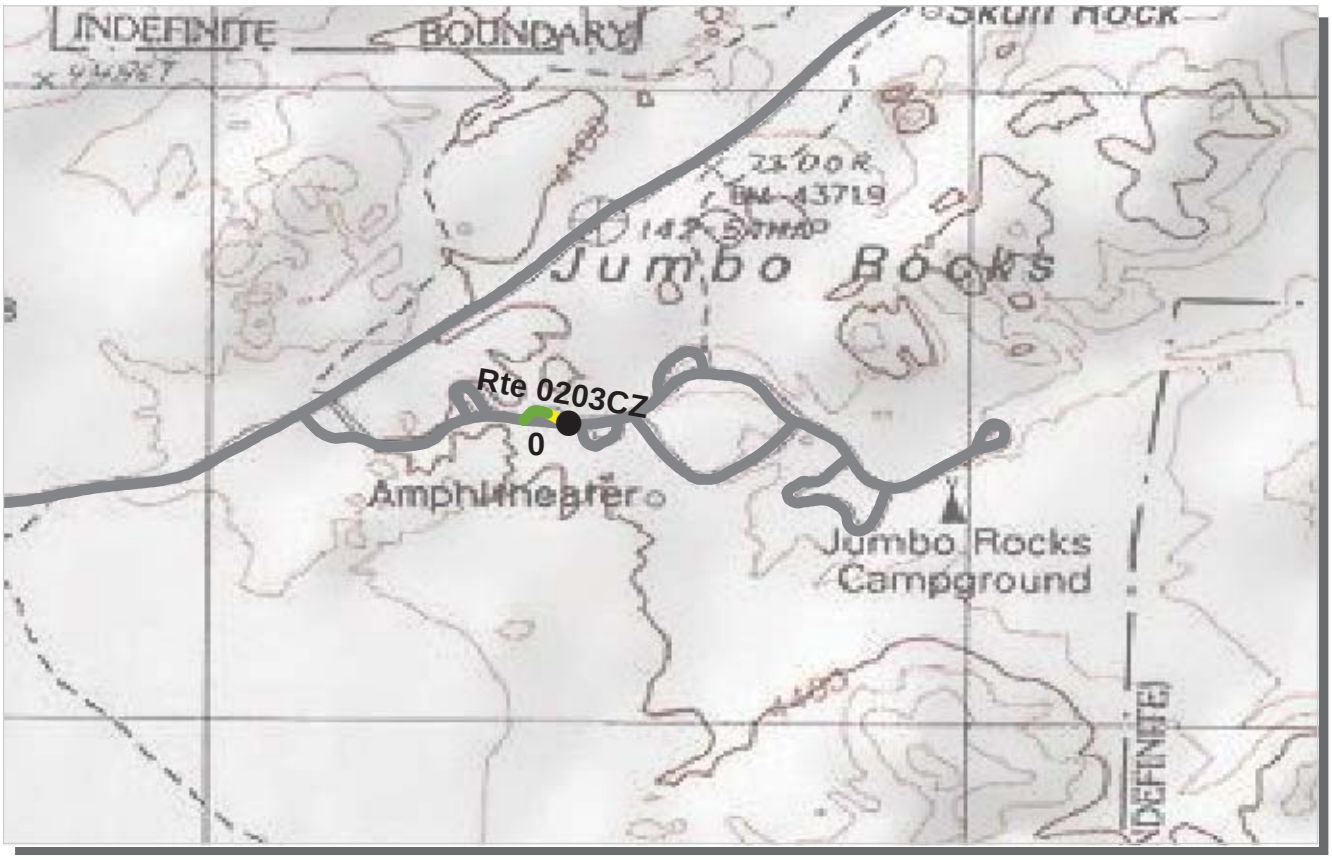
Subcomponent Record **COLLECTED: 1/10/2008**

ROUTE: 0203BZ JUMBO ROCKS CAMPGROUND LOOP B TOTAL LENGTH: 0.07 Miles

Section Number	0				
Section Length (mi)	0.07				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	90				
PCR (Pavement Condition Rating)	90				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	99				
Tranverse Cracking Index	98				
Patching Index	100				
Rutting Index	93				
Roughness Condition Index (RCI)	NC				

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

ROUTE: 0203BZ JUMBO ROCKS CAMPGROUND LOOP B



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

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

PACIFIC WEST REGION

JOTR : JOSHUA TREE NATIONAL PARK

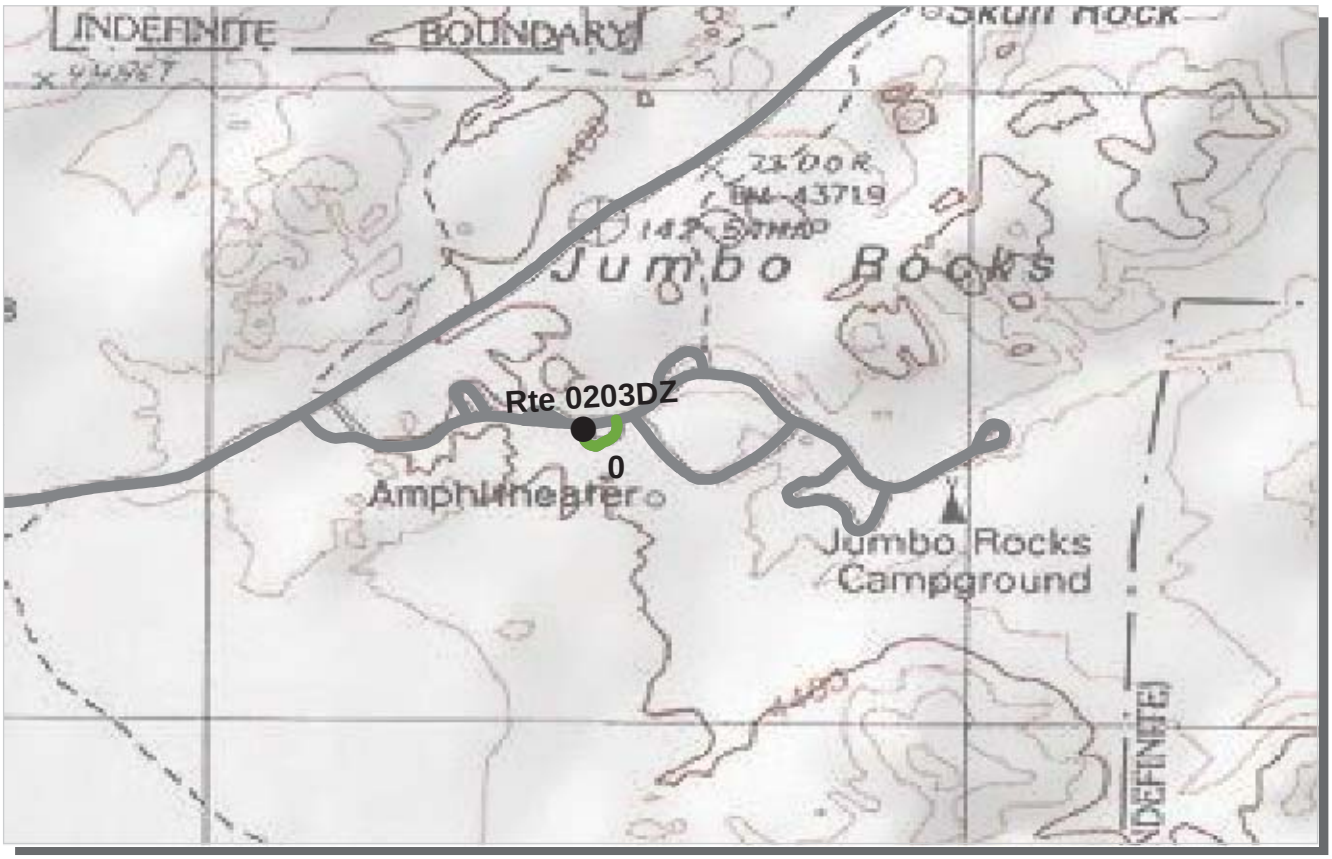
Subcomponent Record **COLLECTED: 1/10/2008**

ROUTE: 0203CZ JUMBO ROCKS CAMPGROUND LOOP C TOTAL LENGTH: 0.04 Miles

Section Number	0				
Section Length (mi)	0.04				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	15				
Lane Width (ft)	15				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	77				
PCR (Pavement Condition Rating)	77				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	96				
Tranverse Cracking Index	94				
Patching Index	100				
Rutting Index	88				
Roughness Condition Index (RCI)	NC				

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

ROUTE: 0203CZ JUMBO ROCKS CAMPGROUND LOOP C



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

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

PACIFIC WEST REGION

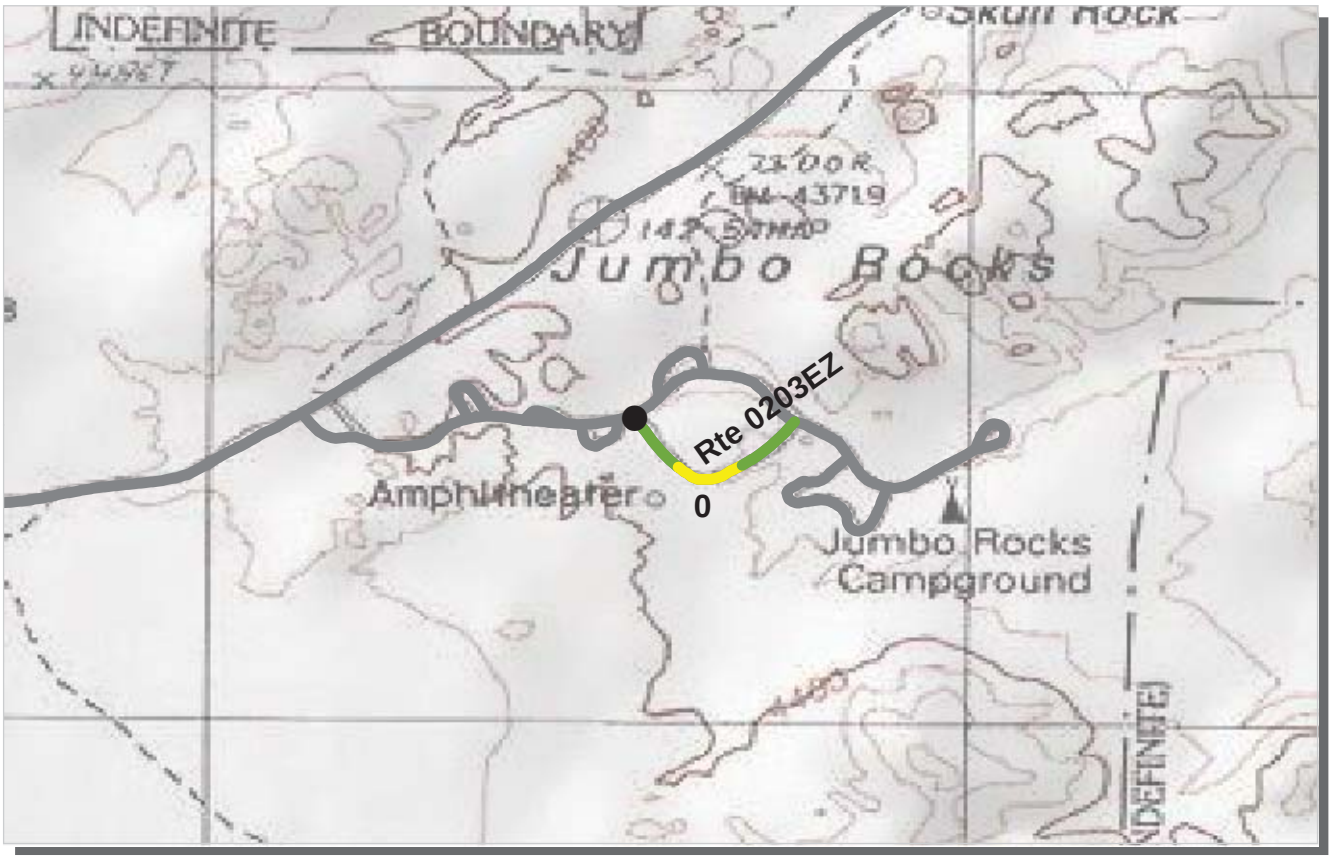
JOTR : JOSHUA TREE NATIONAL PARK

Subcomponent Record **COLLECTED: 1/10/2008**

ROUTE: 0203DZ JUMBO ROCKS CAMPGROUND LOOP D TOTAL LENGTH: 0.05 Miles

Section Number	0				
Section Length (mi)	0.05				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	92				
PCR (Pavement Condition Rating)	92				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	98				
Tranverse Cracking Index	97				
Patching Index	100				
Rutting Index	98				
Roughness Condition Index (RCI)	NC				

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



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

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

PACIFIC WEST REGION

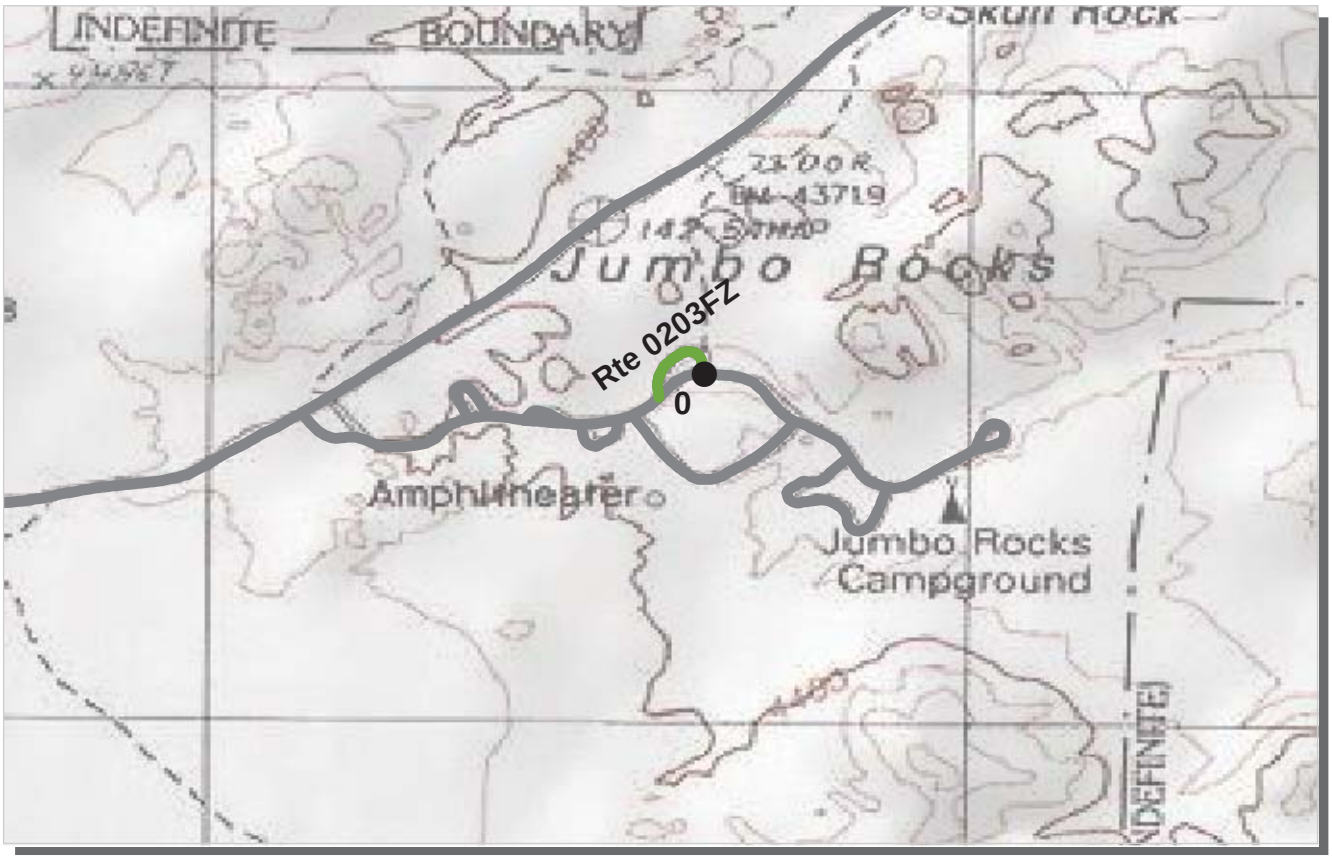
JOTR : JOSHUA TREE NATIONAL PARK

Subcomponent Record **COLLECTED: 1/10/2008**

ROUTE: 0203EZ JUMBO ROCKS CAMPGROUND LOOP E **TOTAL LENGTH: 0.18 Miles**

Section Number	0				
Section Length (mi)	0.18				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	14				
Lane Width (ft)	14				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	86				
PCR (Pavement Condition Rating)	81				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	97				
Tranverse Cracking Index	94				
Patching Index	100				
Rutting Index	96				
Roughness Condition Index (RCI)	31				

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



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

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

PACIFIC WEST REGION

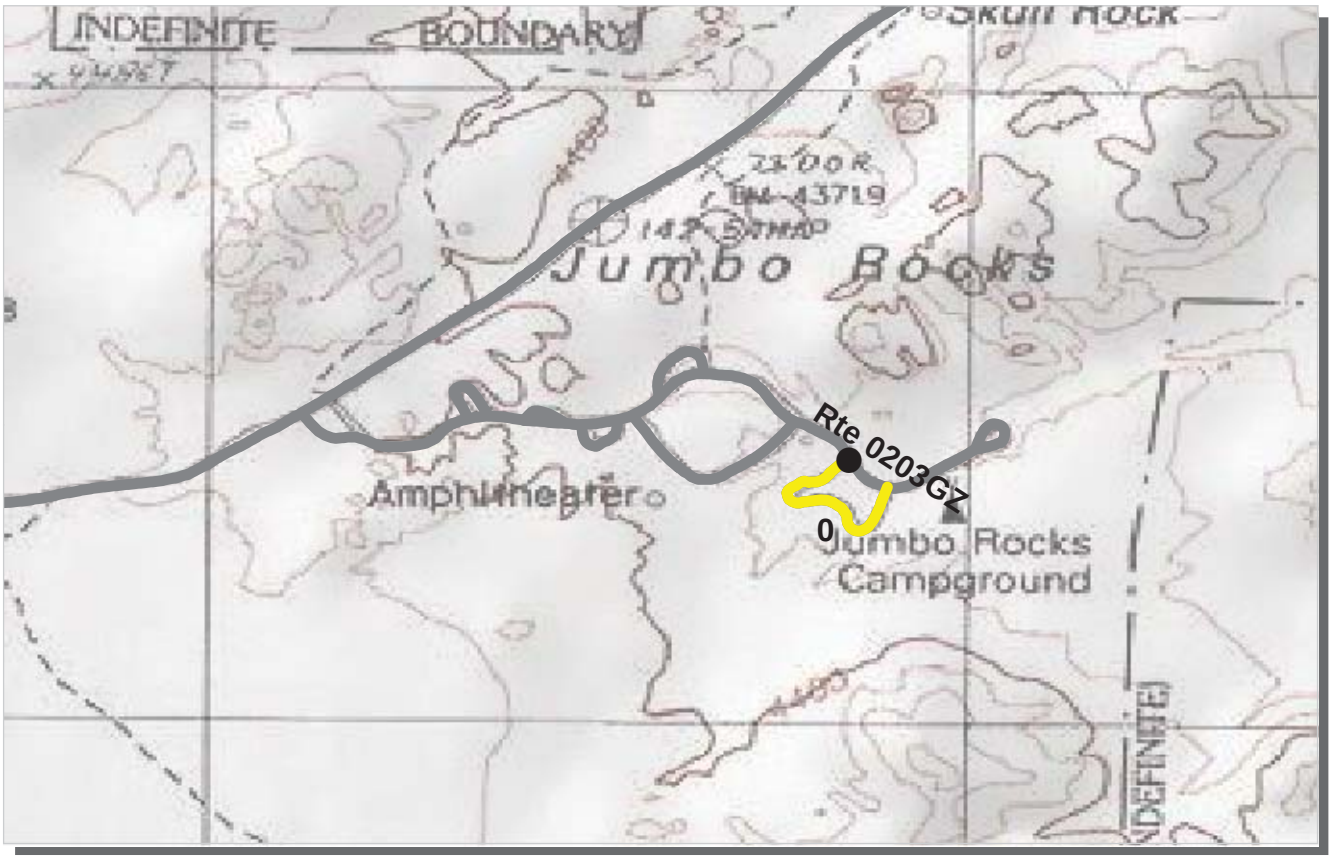
JOTR : JOSHUA TREE NATIONAL PARK

Subcomponent Record **COLLECTED: 1/10/2008**

ROUTE: 0203FZ JUMBO ROCKS CAMPGROUND LOOP F **TOTAL LENGTH: 0.08 Miles**

Section Number	0				
Section Length (mi)	0.08				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	88				
PCR (Pavement Condition Rating)	88				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	97				
Tranverse Cracking Index	95				
Patching Index	100				
Rutting Index	96				
Roughness Condition Index (RCI)	NC				

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



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

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

PACIFIC WEST REGION

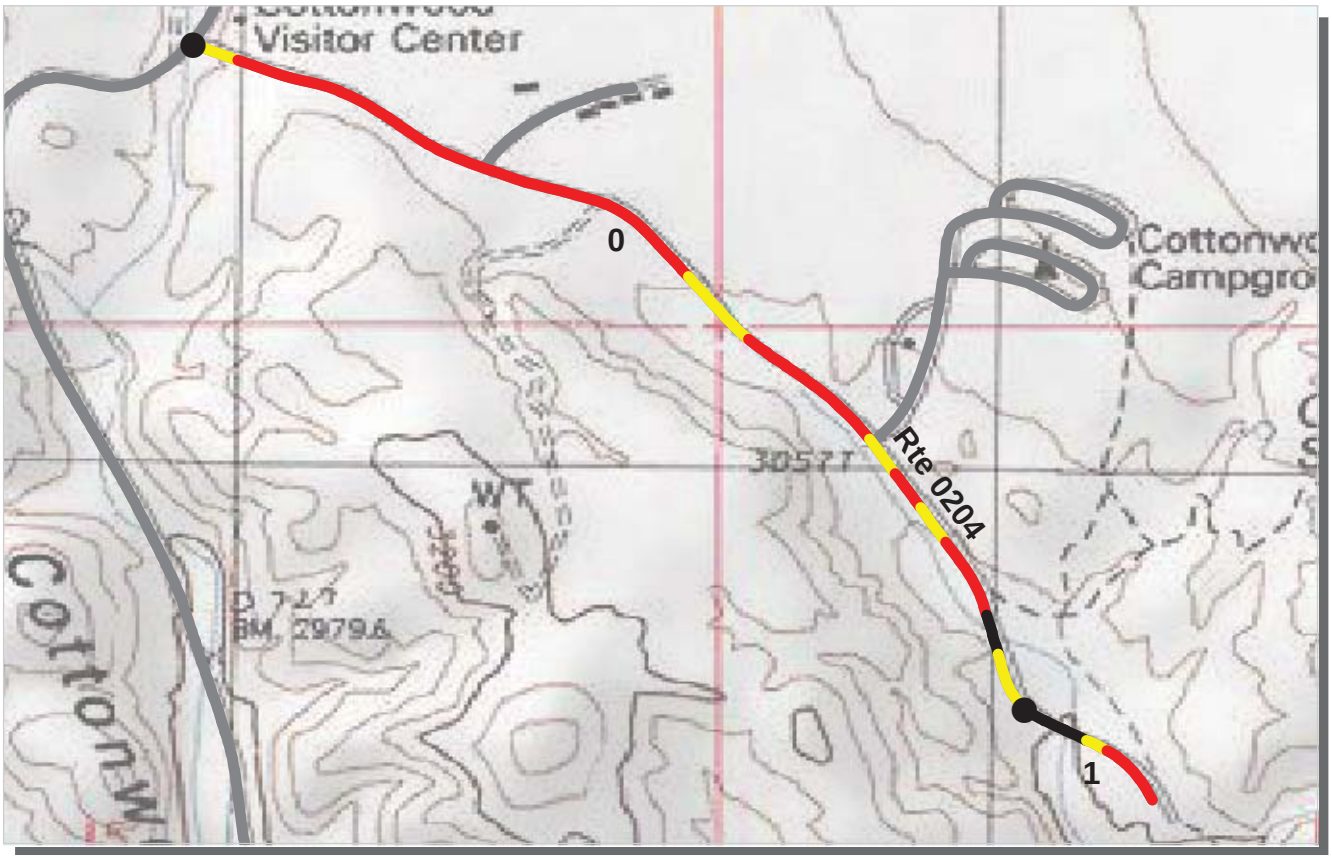
JOTR : JOSHUA TREE NATIONAL PARK

Subcomponent Record **COLLECTED: 1/10/2008**

ROUTE: 0203GZ JUMBO ROCKS CAMPGROUND LOOP G TOTAL LENGTH: 0.18 Miles

Section Number	0				
Section Length (mi)	0.18				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	75				
PCR (Pavement Condition Rating)	72				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	91				
Tranverse Cracking Index	93				
Patching Index	100				
Rutting Index	91				
Roughness Condition Index (RCI)	24				

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



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

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

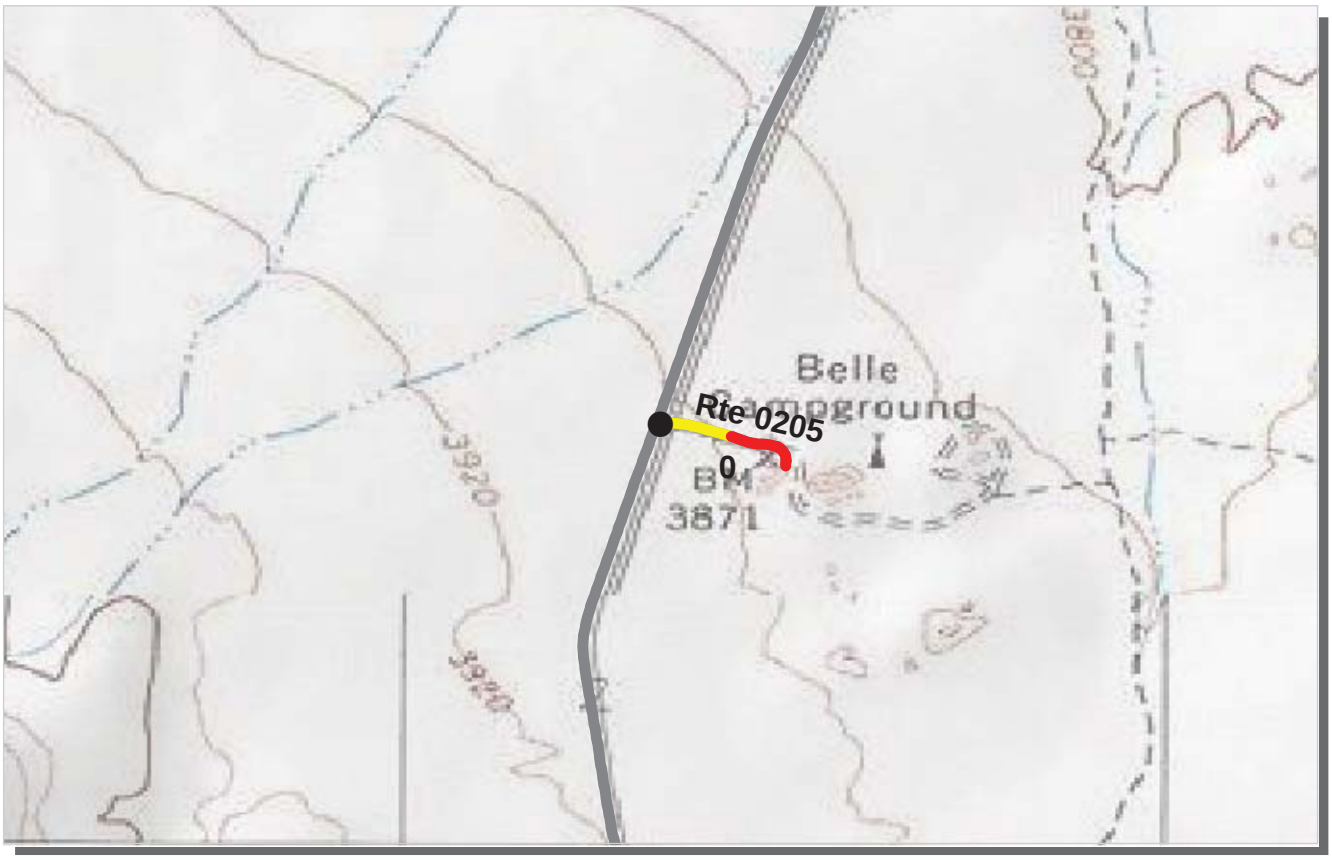
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/9/2008

ROUTE: 0204 COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD **TOTAL LENGTH: 1.14 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.14			
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	25	28			
Lane Width (ft)	13	13			
Shoulder Width Right (ft)**	0	0			
Shoulder Width Left (ft)**	0	0			
Roadway Condition Information					
SCR (Surface Condition Rating)	50	56			
PCR (Pavement Condition Rating)	56	59			
Distress Index Values					
Alligator Cracking Index	100	100			
Longitudinal Cracking Index	93	95			
Tranverse Cracking Index	91	90			
Patching Index	100	100			
Rutting Index	65	70			
Roughness Condition Index (RCI)	67	65			

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



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

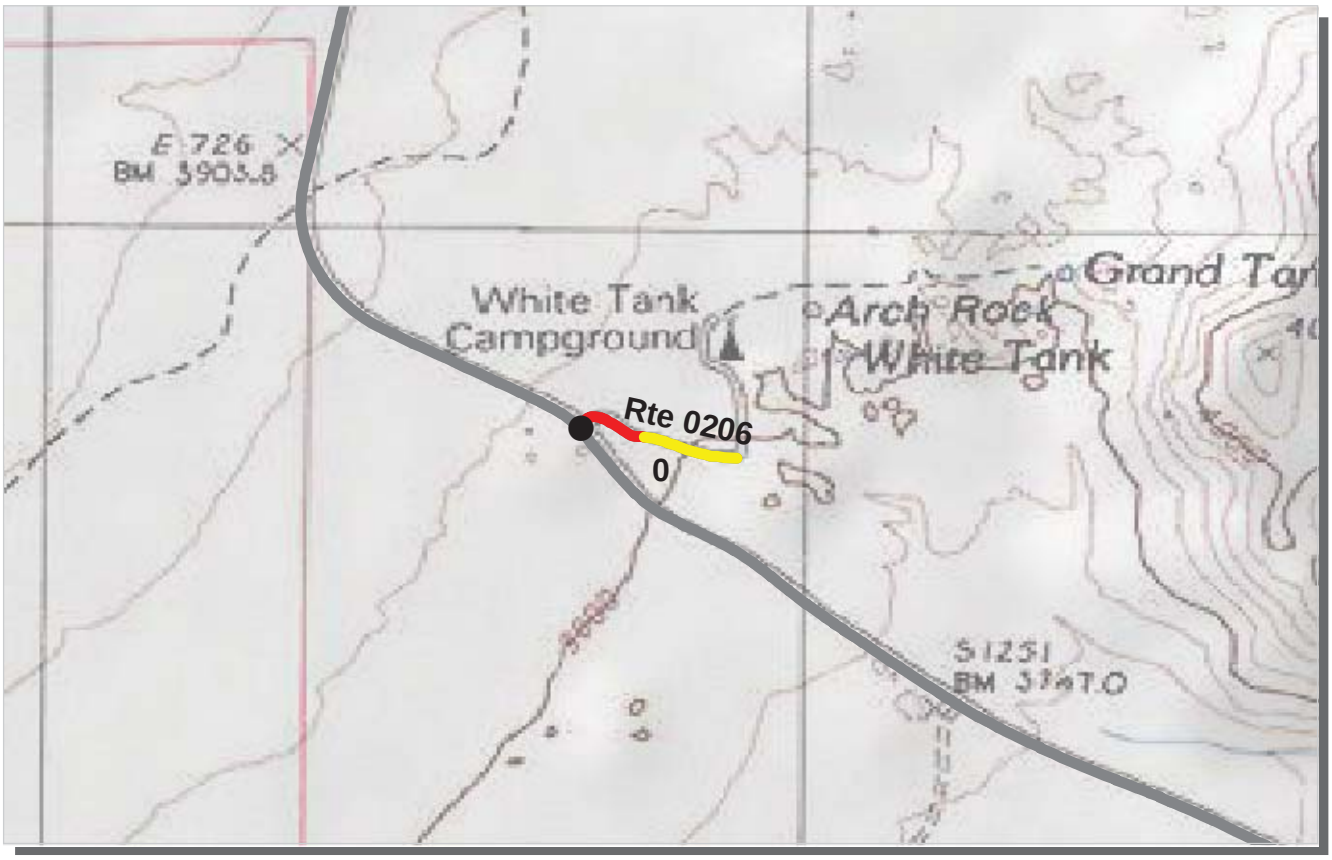
COLLECTED: 1/10/2008

ROUTE: 0205 BELLE CAMPGROUND ROAD **TOTAL LENGTH: 0.12 Miles**

Section Number	0				
Section Length (mi)	0.12				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	27				
Lane Width (ft)	13				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	65				
PCR (Pavement Condition Rating)	61				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	99				
Tranverse Cracking Index	77				
Patching Index	100				
Rutting Index	89				
Roughness Condition Index (RCI)	39				

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

ROUTE: 0205 BELLE CAMPGROUND ROAD



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

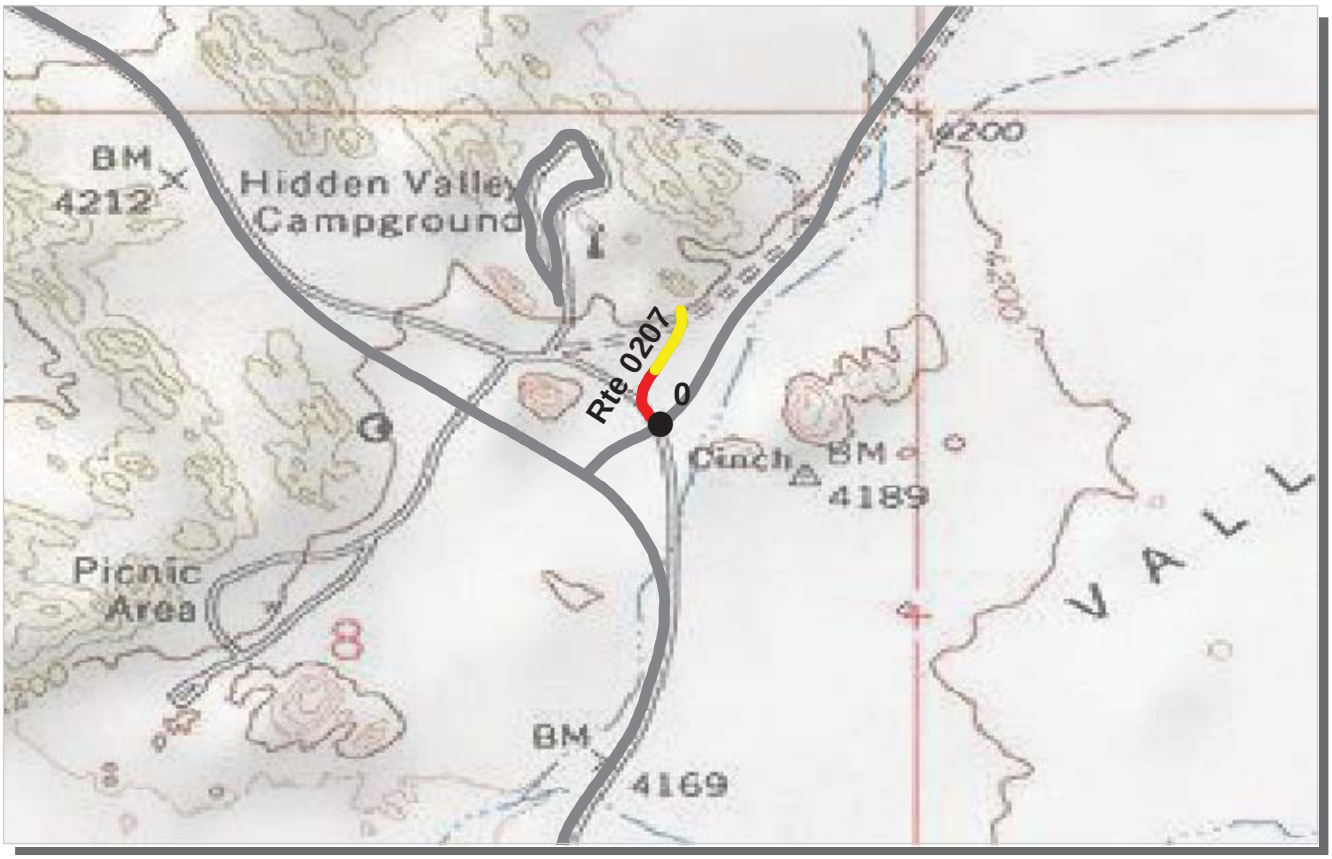
COLLECTED: 1/10/2008

ROUTE: 0206 WHITE TANK CAMPGROUND ENTRANCE ROAD **TOTAL LENGTH: 0.14 Miles**

Section Number	0				
Section Length (mi)	0.14				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	54				
PCR (Pavement Condition Rating)	57				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	97				
Tranverse Cracking Index	71				
Patching Index	100				
Rutting Index	87				
Roughness Condition Index (RCI)	70				

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

ROUTE: 0206 WHITE TANK CAMPGROUND ENTRANCE ROAD



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

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

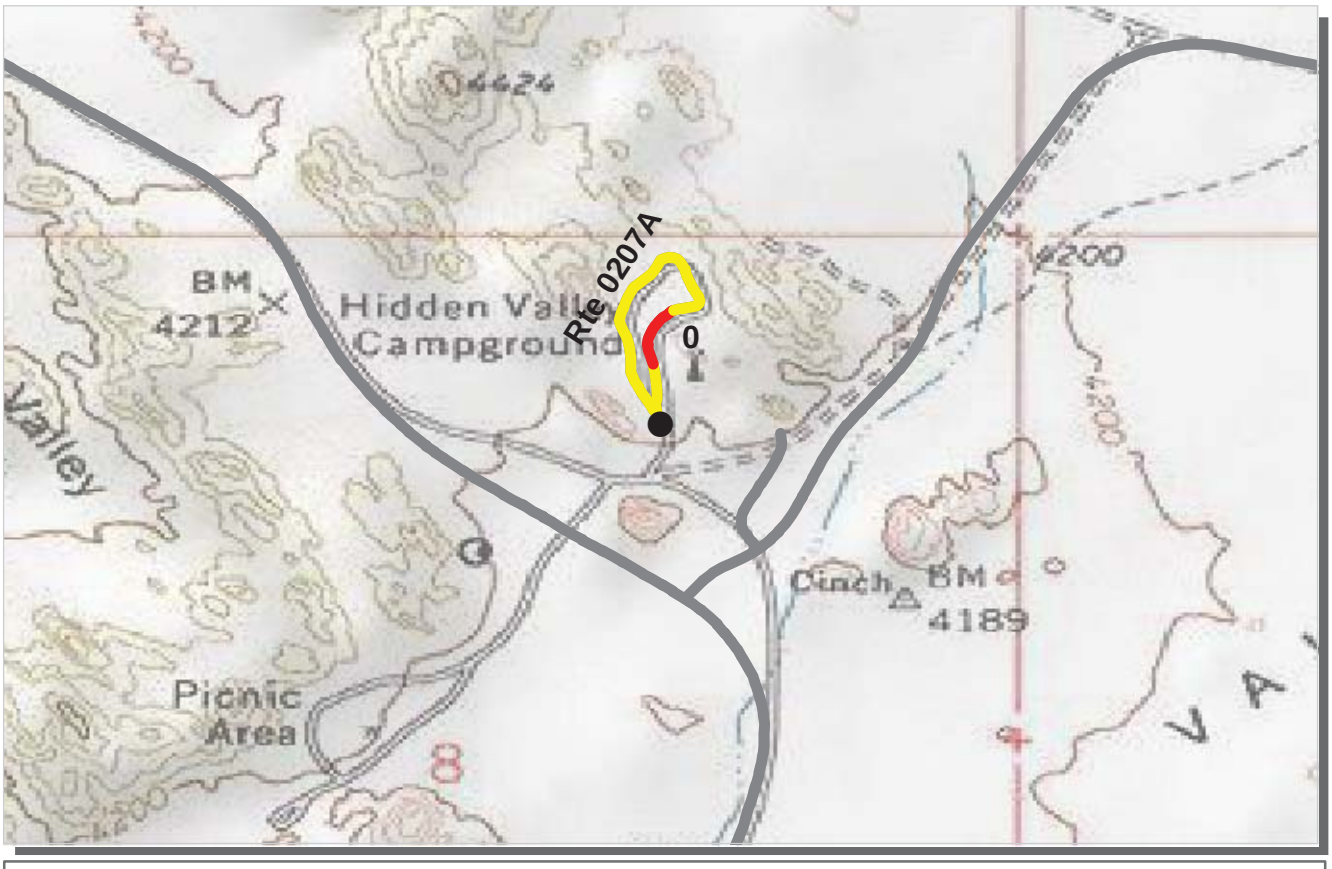
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/8/2008

ROUTE: 0207 HIDDEN VALLEY CAMPGROUND ENTRANCE ROAD **TOTAL LENGTH: 0.12 Miles**

Section Number	0				
Section Length (mi)	0.12				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	63				
PCR (Pavement Condition Rating)	66				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Tranverse Cracking Index	100				
Patching Index	100				
Rutting Index	63				
Roughness Condition Index (RCI)	82				

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



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

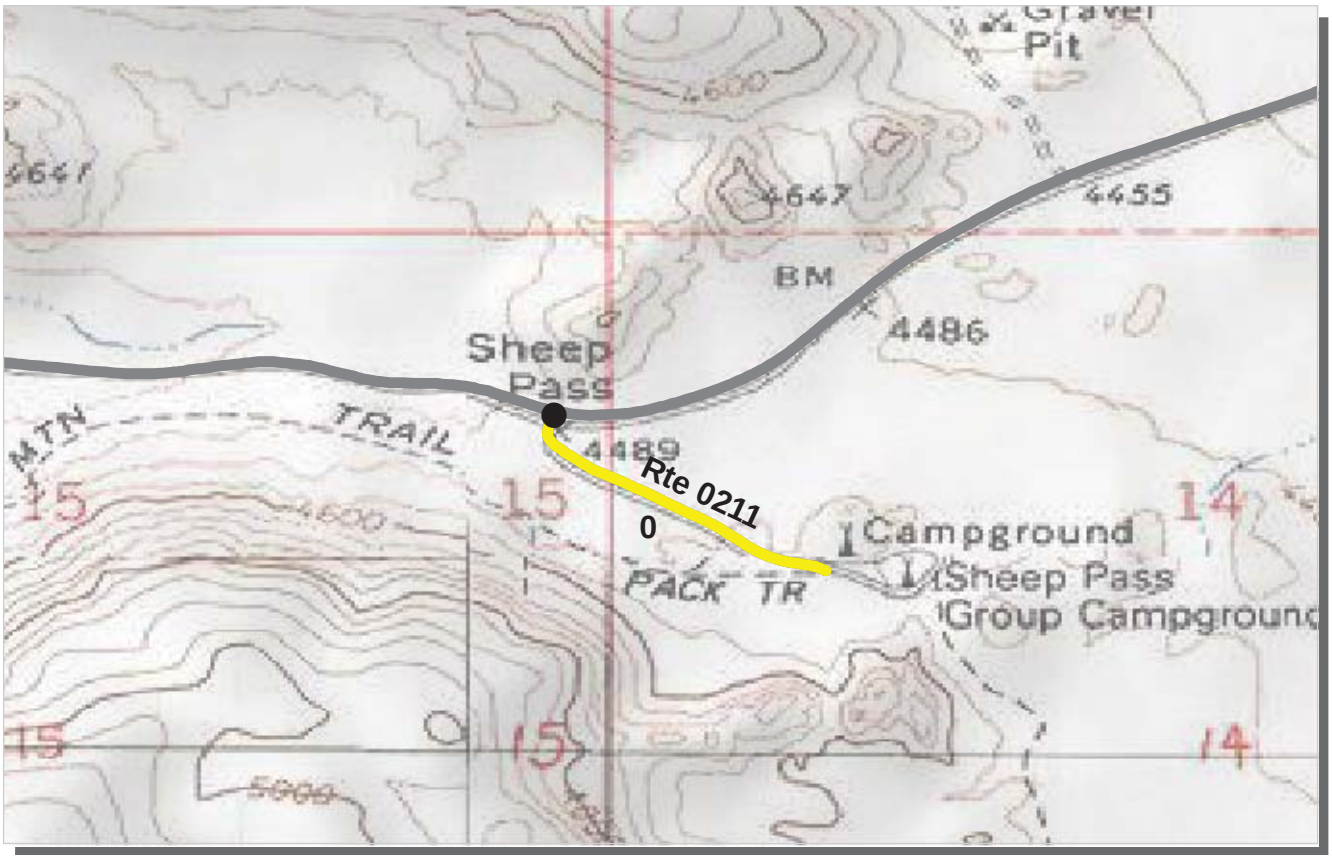
COLLECTED: 1/8/2008

ROUTE: 0207A HIDDEN VALLEY CAMPGROUND LOOP ROAD A **TOTAL LENGTH: 0.37 Miles**

Section Number	0				
Section Length (mi)	0.37				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	21				
Lane Width (ft)	21				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	71				
PCR (Pavement Condition Rating)	71				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	96				
Tranverse Cracking Index	95				
Patching Index	100				
Rutting Index	81				
Roughness Condition Index (RCI)	NC				

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

ROUTE: 0207A HIDDEN VALLEY CAMPGROUND LOOP ROAD A



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

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

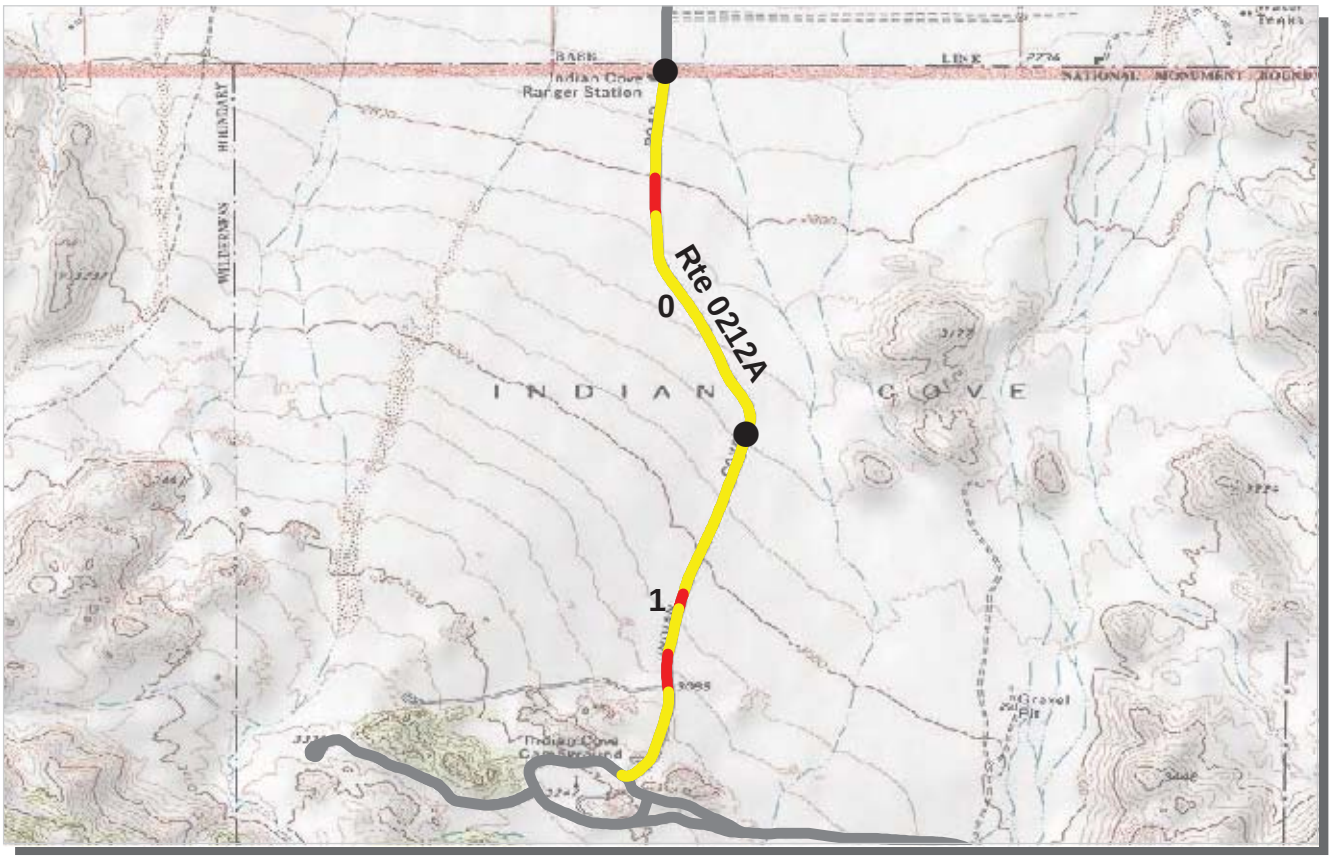
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/8/2008

ROUTE: 0211 SHEEP PASS CAMPGROUND ENTRANCE ROAD **TOTAL LENGTH: 0.29 Miles**

Section Number	0				
Section Length (mi)	0.29				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	12				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	60				
PCR (Pavement Condition Rating)	71				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Tranverse Cracking Index	100				
Patching Index	100				
Rutting Index	60				
Roughness Condition Index (RCI)	95				

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



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

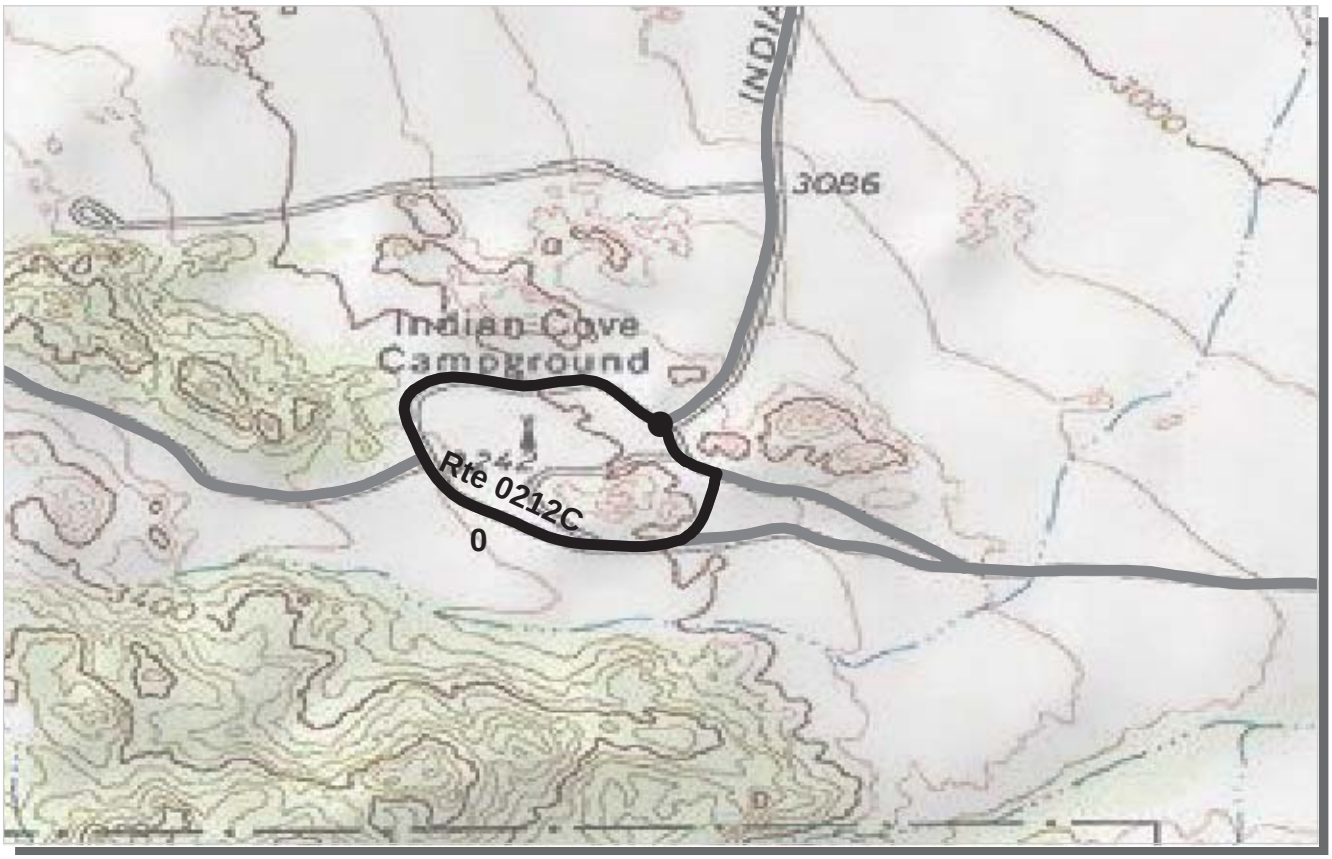
COLLECTED: 1/10/2008

ROUTE: 0212A INDIAN COVE CAMPGROUND ROAD A **TOTAL LENGTH: 1.96 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.96			
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
AADT					
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	23	22			
Lane Width (ft)	12	10			
Shoulder Width Right (ft)**	0	0			
Shoulder Width Left (ft)**	0	0			
Roadway Condition Information					
SCR (Surface Condition Rating)	69	69			
PCR (Pavement Condition Rating)	68	68			
Distress Index Values					
Alligator Cracking Index	100	100			
Longitudinal Cracking Index	100	100			
Tranverse Cracking Index	100	100			
Patching Index	100	100			
Rutting Index	69	69			
Roughness Condition Index (RCI)	66	68			

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

ROUTE: 0212A INDIAN COVE CAMPGROUND ROAD A



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/10/2008

ROUTE: 0212C INDIAN COVE CAMPGROUND ROAD C **TOTAL LENGTH: 0.68 Miles**

Section Number	0				
Section Length (mi)	0.68				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	NC				
PCR (Pavement Condition Rating)	NC				
Distress Index Values					
Alligator Cracking Index	NC				
Longitudinal Cracking Index	NC				
Tranverse Cracking Index	NC				
Patching Index	NC				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

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

ROUTE: 0212C INDIAN COVE CAMPGROUND ROAD C

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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

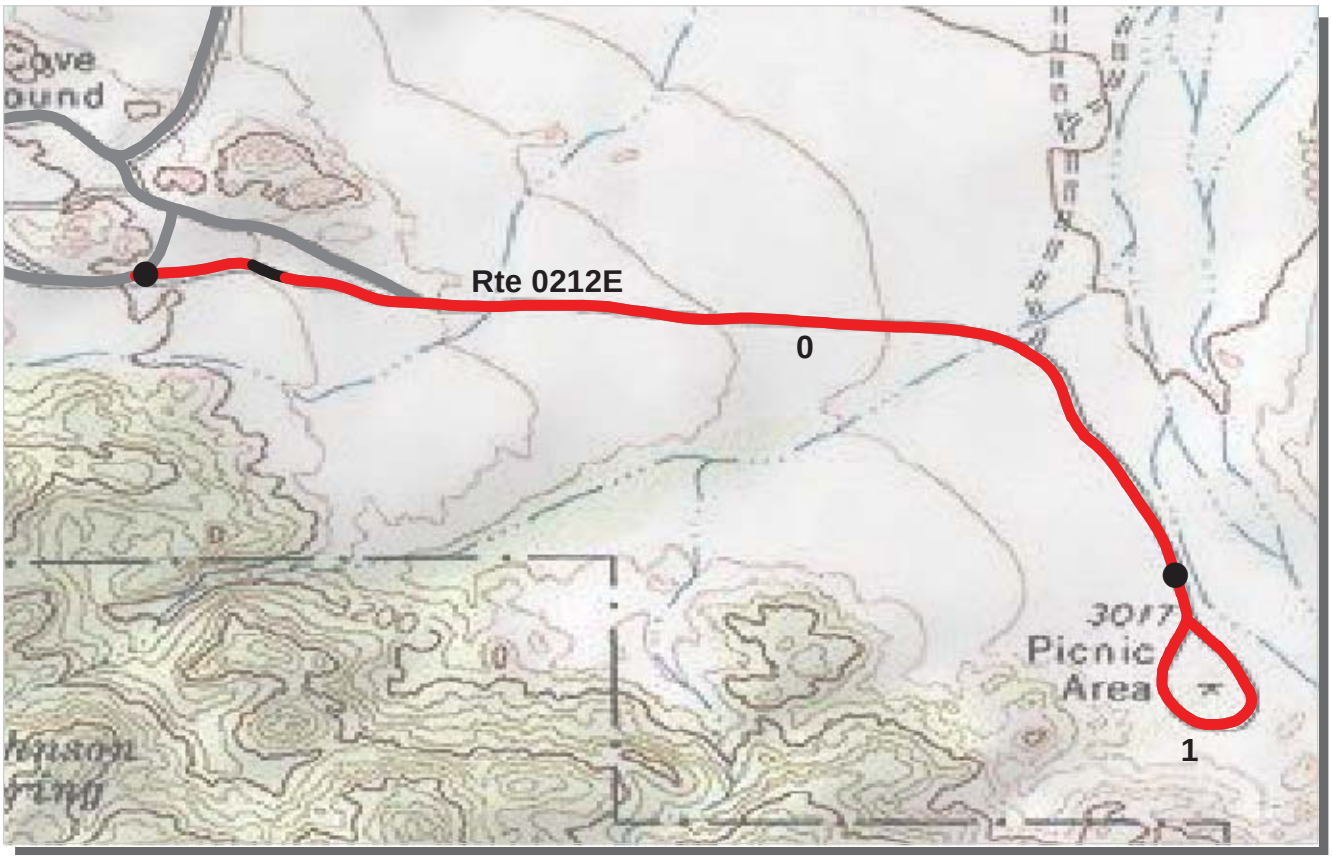
COLLECTED: 1/10/2008

ROUTE: 0212D INDIAN COVE CAMPGROUND ROAD D **TOTAL LENGTH: 0.62 Miles**

Section Number	0				
Section Length (mi)	0.62				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	6				
PCR (Pavement Condition Rating)	10				
Distress Index Values					
Alligator Cracking Index	66				
Longitudinal Cracking Index	92				
Tranverse Cracking Index	92				
Patching Index	99				
Rutting Index	43				
Roughness Condition Index (RCI)	22				

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

ROUTE: 0212D INDIAN COVE CAMPGROUND ROAD D



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

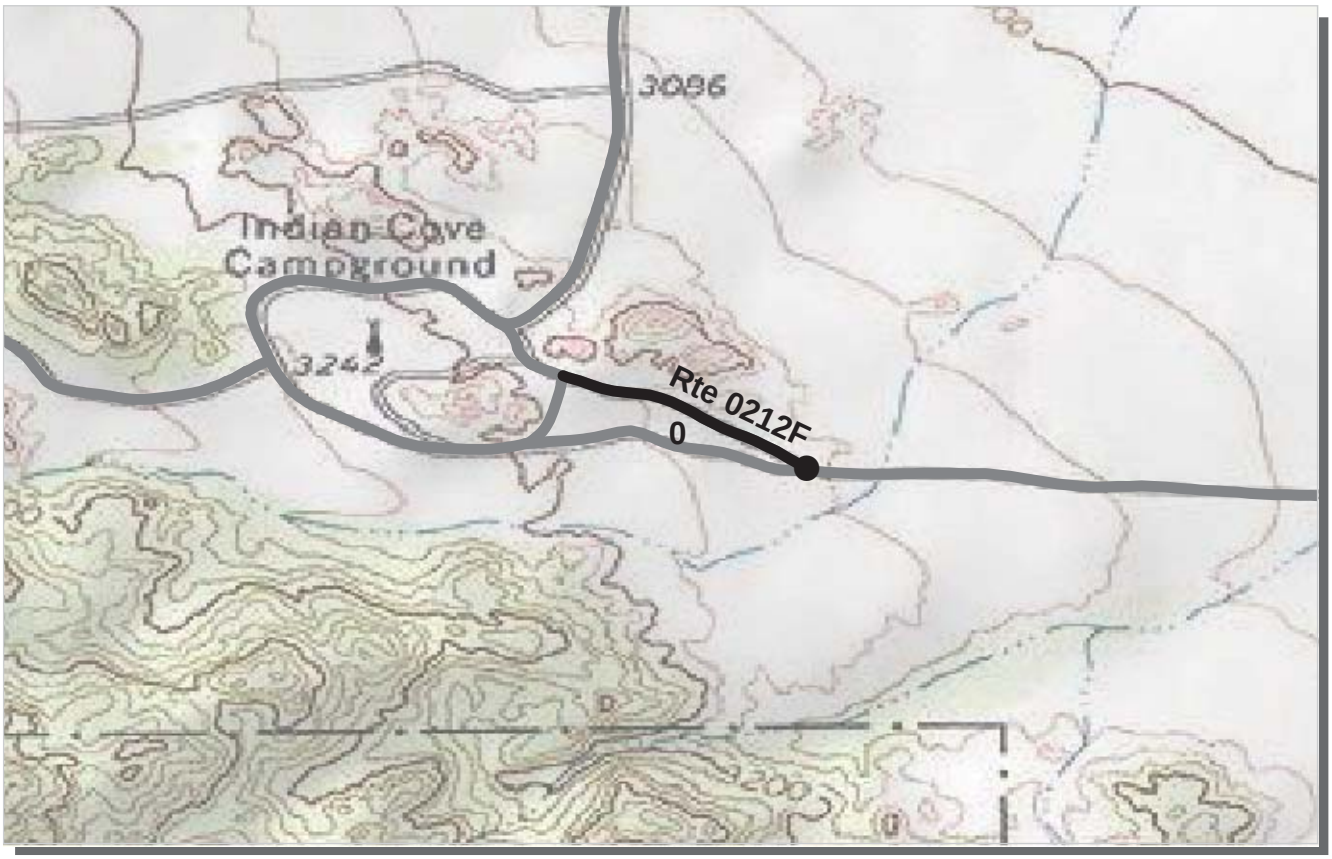
COLLECTED: 1/10/2008

ROUTE: 0212E INDIAN COVE CAMPGROUND ROAD E **TOTAL LENGTH: 1.31 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.31			
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
AADT					
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	17	14			
Lane Width (ft)	9	7			
Shoulder Width Right (ft)**	0	0			
Shoulder Width Left (ft)**	0	0			
Roadway Condition Information					
SCR (Surface Condition Rating)	0	3			
PCR (Pavement Condition Rating)	9	5			
Distress Index Values					
Alligator Cracking Index	53	77			
Longitudinal Cracking Index	88	83			
Tranverse Cracking Index	84	63			
Patching Index	100	100			
Rutting Index	48	57			
Roughness Condition Index (RCI)	26	20			

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

ROUTE: 0212E INDIAN COVE CAMPGROUND ROAD E



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/10/2008

ROUTE: 0212F INDIAN COVE CAMPGROUND ROAD F **TOTAL LENGTH: 0.23 Miles**

Section Number	0				
Section Length (mi)	0.23				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	8				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	NC				
PCR (Pavement Condition Rating)	NC				
Distress Index Values					
Alligator Cracking Index	NC				
Longitudinal Cracking Index	NC				
Tranverse Cracking Index	NC				
Patching Index	NC				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

ROUTE: 0212F INDIAN COVE CAMPGROUND ROAD F

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

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

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

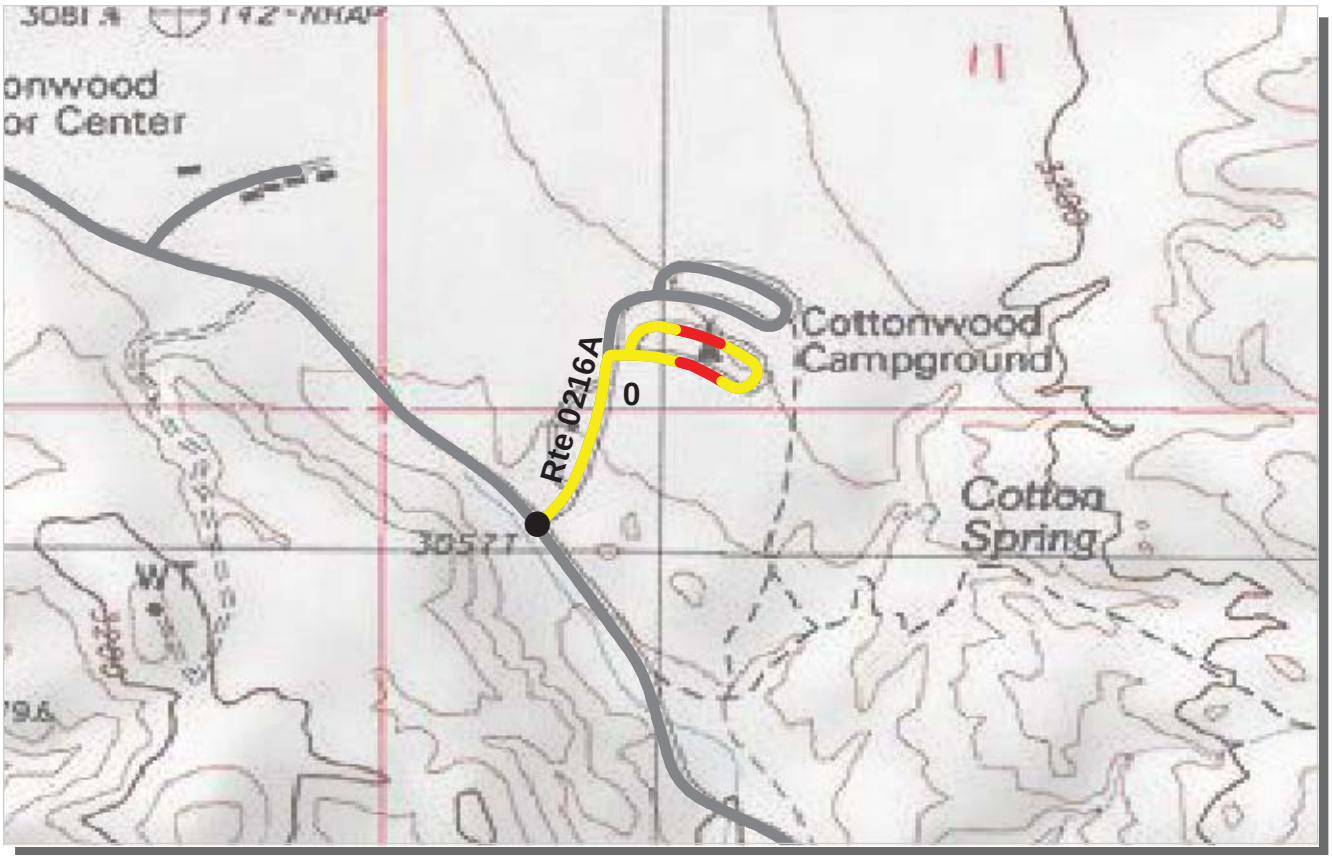
PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/10/2008

ROUTE: 0213 49 PALMS OASIS ACCESS ROAD **TOTAL LENGTH: 0.47 Miles**

Section Number	0				
Section Length (mi)	0.47				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	9				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	51				
PCR (Pavement Condition Rating)	51				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	96				
Tranverse Cracking Index	95				
Patching Index	100				
Rutting Index	60				
Roughness Condition Index (RCI)	50				

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



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

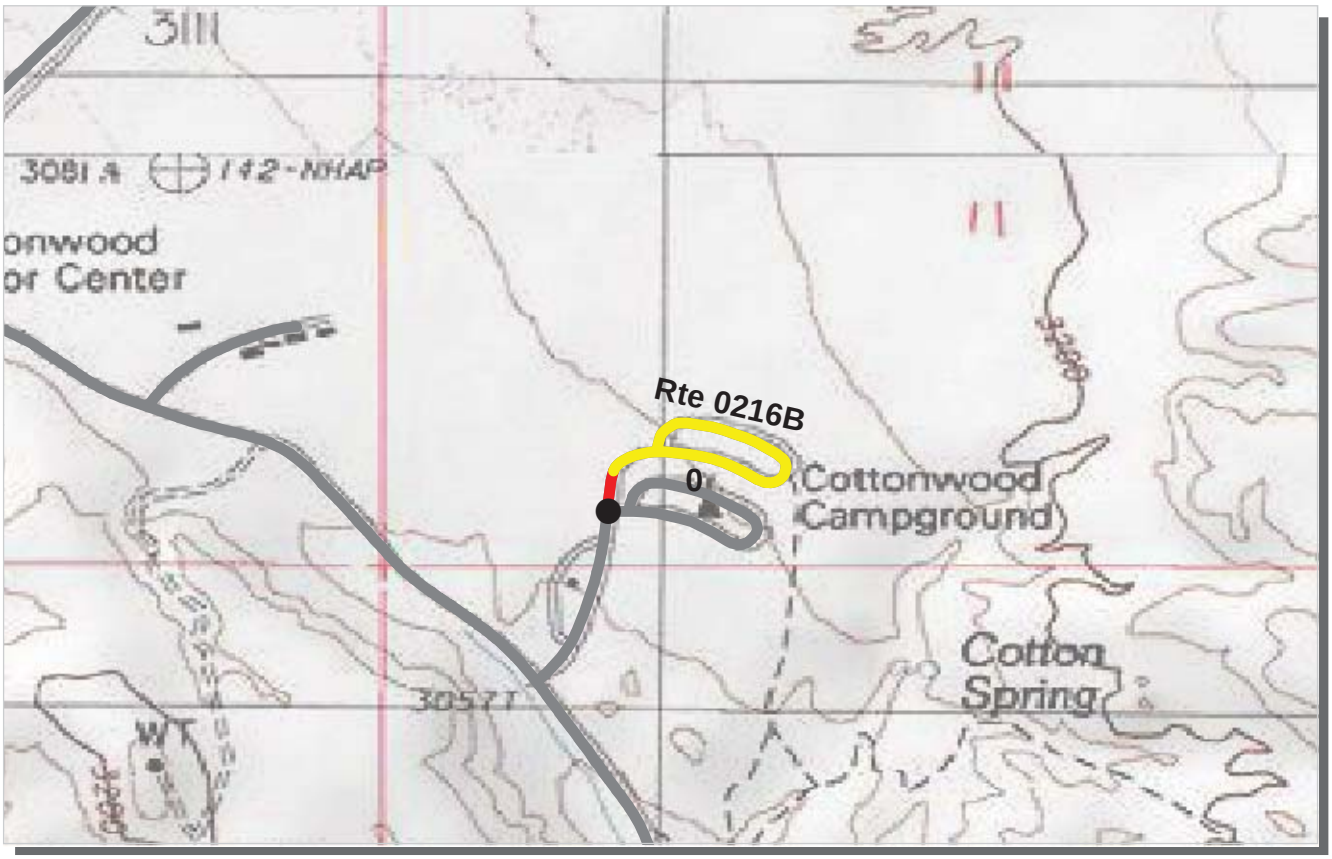
COLLECTED: 1/9/2008

ROUTE: 0216A COTTONWOOD CAMPGROUND LOOP A **TOTAL LENGTH: 0.45 Miles**

Section Number	0				
Section Length (mi)	0.45				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	11				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	69				
PCR (Pavement Condition Rating)	68				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	90				
Tranverse Cracking Index	87				
Patching Index	100				
Rutting Index	93				
Roughness Condition Index (RCI)	52				

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

ROUTE: 0216A COTTONWOOD CAMPGROUND LOOP A



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

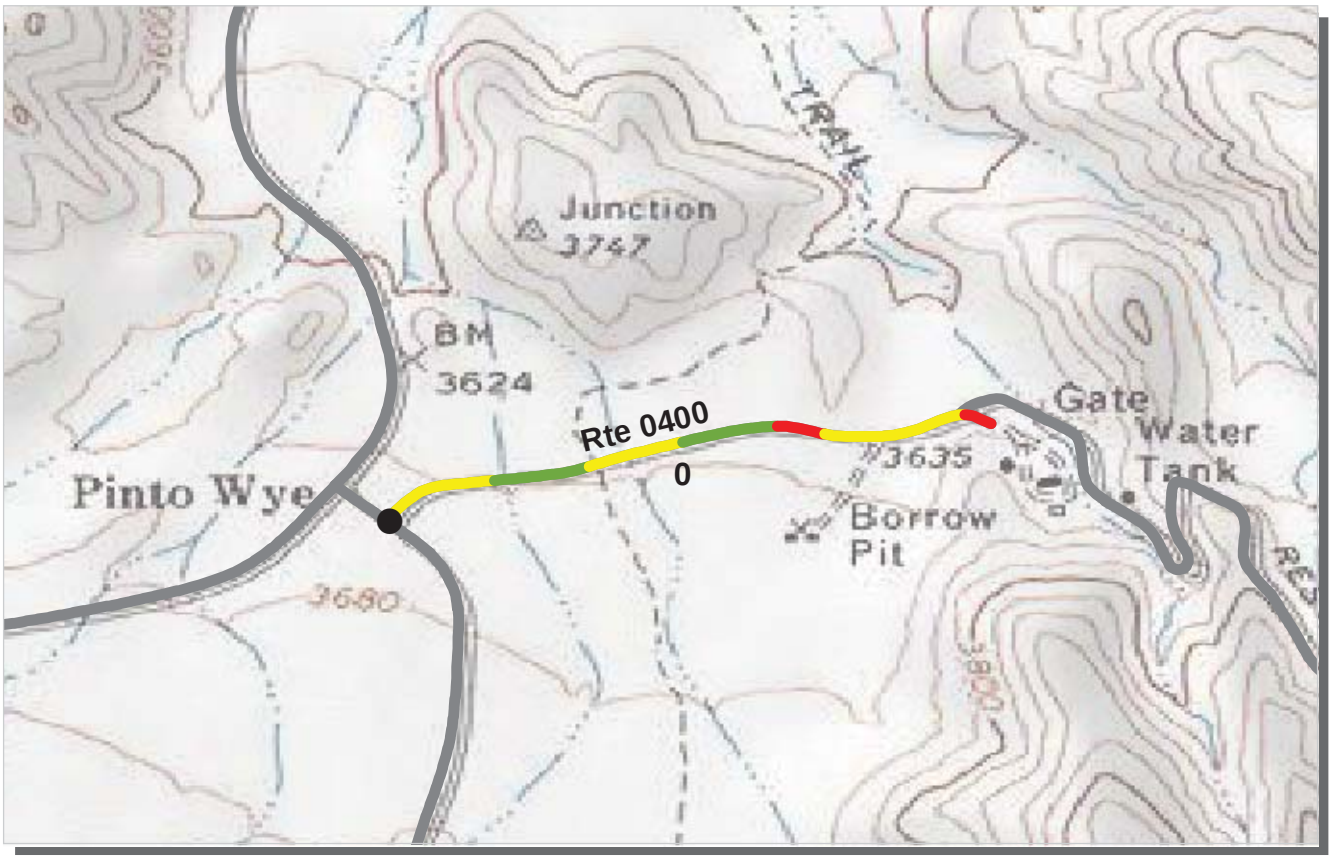
COLLECTED: 1/9/2008

ROUTE: 0216B COTTONWOOD CAMPGROUND LOOP B **TOTAL LENGTH: 0.34 Miles**

Section Number	0				
Section Length (mi)	0.34				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	70				
PCR (Pavement Condition Rating)	68				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	92				
Tranverse Cracking Index	85				
Patching Index	100				
Rutting Index	93				
Roughness Condition Index (RCI)	49				

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

ROUTE: 0216B COTTONWOOD CAMPGROUND LOOP B



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

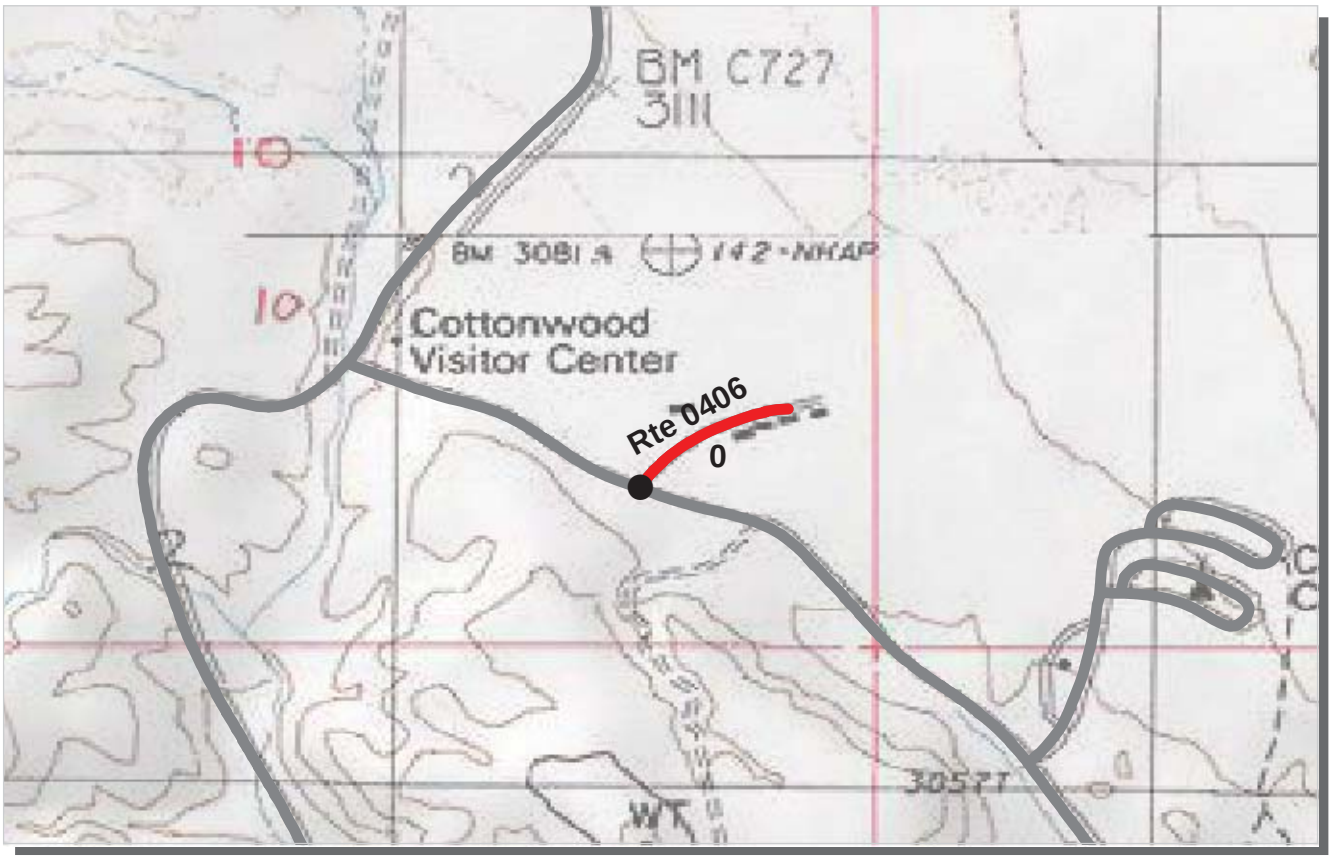
COLLECTED: 1/9/2008

ROUTE: 0400 MAINTENANCE ROAD **TOTAL LENGTH: 0.52 Miles**

Section Number	0				
Section Length (mi)	0.52				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	84				
PCR (Pavement Condition Rating)	77				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	98				
Tranverse Cracking Index	87				
Patching Index	100				
Rutting Index	99				
Roughness Condition Index (RCI)	65				

ROUTE: 0400 MAINTENANCE ROAD

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



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

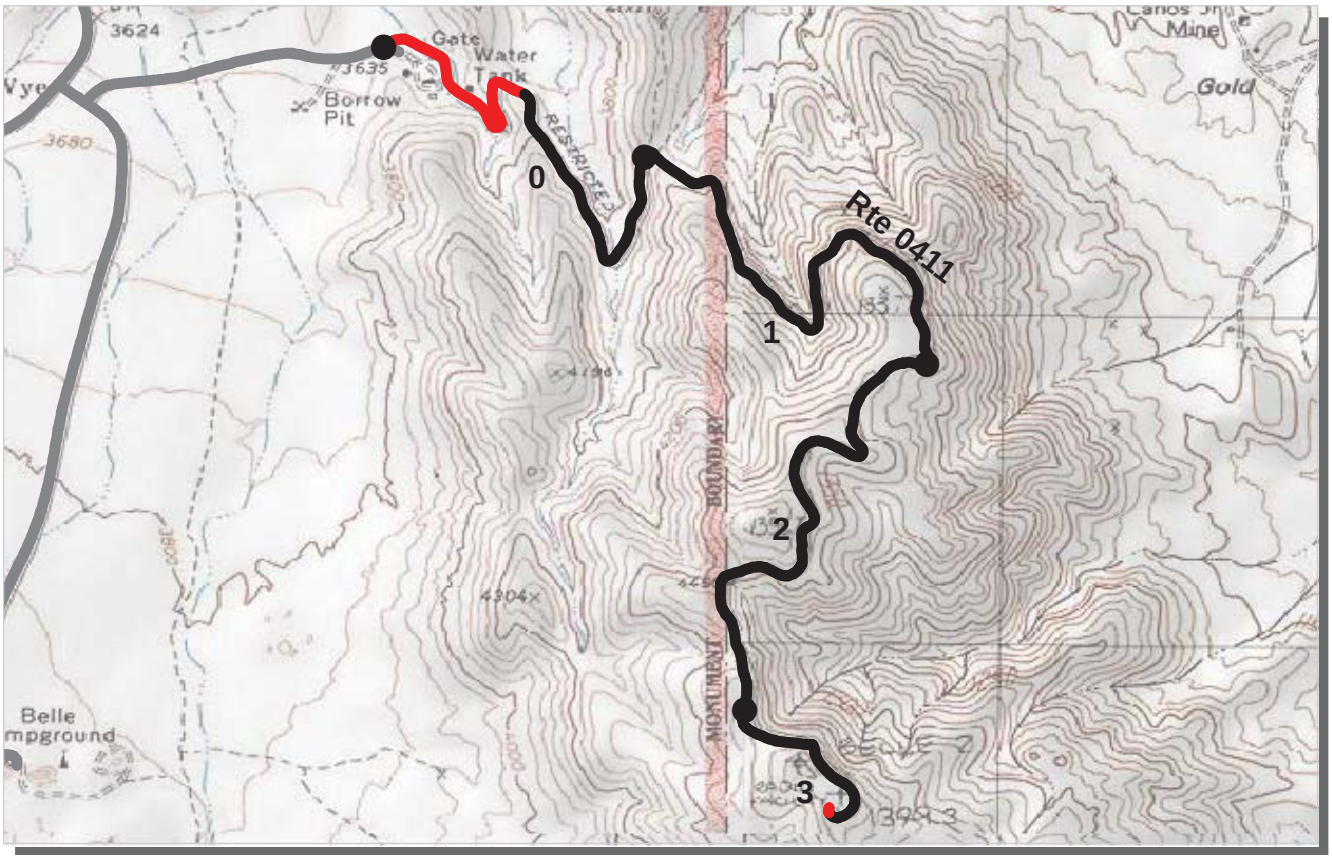
COLLECTED: 1/9/2008

ROUTE: 0406 COTTONWOOD RESIDENTIAL ROAD **TOTAL LENGTH: 0.15 Miles**

Section Number	0				
Section Length (mi)	0.15				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width Right (ft)**	0				
Shoulder Width Left (ft)**	0				
Roadway Condition Information					
SCR (Surface Condition Rating)	14				
PCR (Pavement Condition Rating)	17				
Distress Index Values					
Alligator Cracking Index	90				
Longitudinal Cracking Index	77				
Tranverse Cracking Index	72				
Patching Index	100				
Rutting Index	73				
Roughness Condition Index (RCI)	42				

ROUTE: 0406 COTTONWOOD RESIDENTIAL ROAD

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



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

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

PACIFIC WEST REGION
JOTR : JOSHUA TREE NATIONAL PARK

COLLECTED: 1/9/2008

ROUTE: 0411 BELLE MOUNTAIN ROAD **TOTAL LENGTH: 3.35 Miles**

Section Number	0	1	2	3	
Section Length (mi)	1.00	1.00	1.00	0.35	
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1	1	1	1	
Paved Width (ft)	16	12	19	13	
Lane Width (ft)	16	12	19	13	
Shoulder Width Right (ft)**	0	0	0	0	
Shoulder Width Left (ft)**	0	0	0	0	
Roadway Condition Information					
SCR (Surface Condition Rating)	15	NC	NC	NC	
PCR (Pavement Condition Rating)	19	NC	NC	NC	
Distress Index Values					
Alligator Cracking Index	94	NC	NC	NC	
Longitudinal Cracking Index	76	NC	NC	NC	
Tranverse Cracking Index	71	NC	NC	NC	
Patching Index	99	NC	NC	NC	
Rutting Index	61	NC	NC	NC	
Roughness Condition Index (RCI)	36	NC	NC	NC	

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

ROUTE: 0411 BELLE MOUNTAIN ROAD

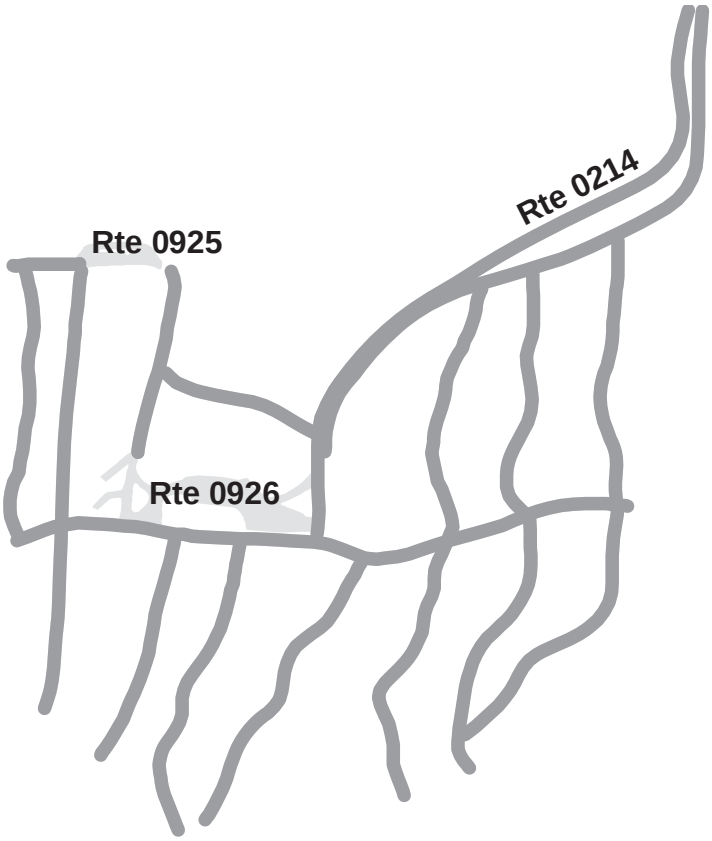
Joshua Tree National Park

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

JOSHUA TREE NATIONAL PARK
Route 0214
BLACK ROCK CAMPGROUND ROAD
FROM NORTH PARK BOUNDARY
THROUGH CAMPGROUND

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0214	PUBLIC	11/15/2007		15,650	0.27	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	3	0	NO CURB AND GUTTER	ASPHALT CURB	POOR/45

* Lane miles are based on 11' lane widths



490 245 0 490
Feet

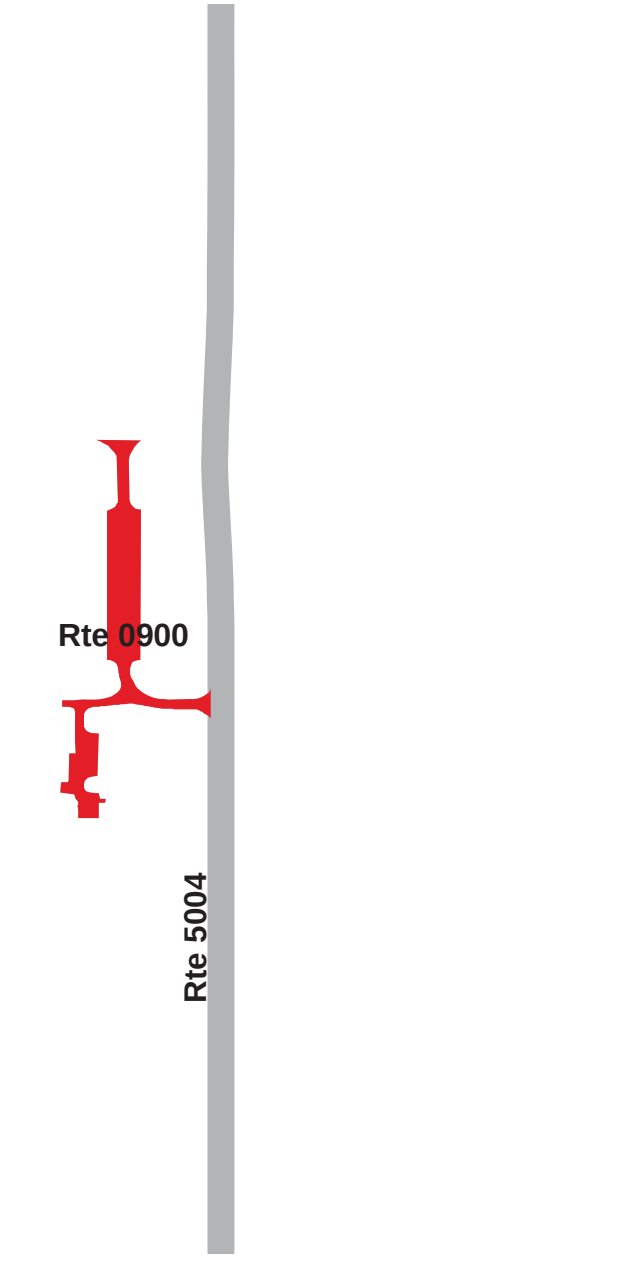
Joshua Tree National Park

Section 7
Parking Area Condition Rating Sheets

JOSHUA TREE NATIONAL PARK
Route 0900
VISITOR CENTER/OASIS OF MARA PARKING
FROM UTAH TRAIL ROAD BEFORE NORTH PARK ENTRANCE
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0900	PUBLIC	11/13/2007		47,306	0.82	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	1	2	CONCRETE CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



JOSHUA TREE NATIONAL PARK
Route 0901
MAINTENANCE YARD PARKING
FROM END OF ROUTE 0400
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0901	NONPUBLIC	11/14/2007		42,870	0.74	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

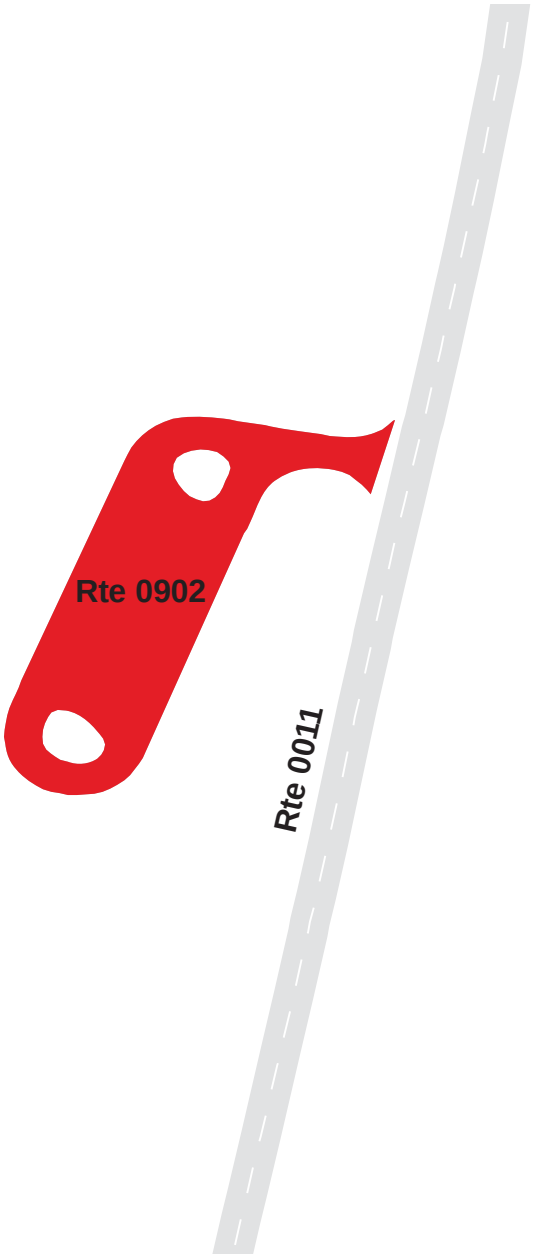
280 140 0 280
Feet

N

JOSHUA TREE NATIONAL PARK
Route 0902
TWIN TANKS BACKCOUNTRY PARKING
ADJACENT TO ROUTE 0011 (PINTO BASIN ROAD) AT MP 2.21 (ON RIGHT)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0902	PUBLIC	11/14/2007		23,550	0.41	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



190 95 0 190
Feet

JOSHUA TREE NATIONAL PARK
Route 0903
2 DESERTS MEET PARKING

ADJACENT TO ROUTE 0011 (PINTO BASIN ROAD) AT MP 3.14 (ON RIGHT)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0903	PUBLIC	11/14/2007		6,264	0.11	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths

120 60 0 120
Feet

N

JOSHUA TREE NATIONAL PARK
Route 0904
COTTONWOOD VISITOR CENTER
FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 29.91 (ON LEFT)
TO ROUTE 0204

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0904	PUBLIC	11/14/2007		18,482	0.32	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

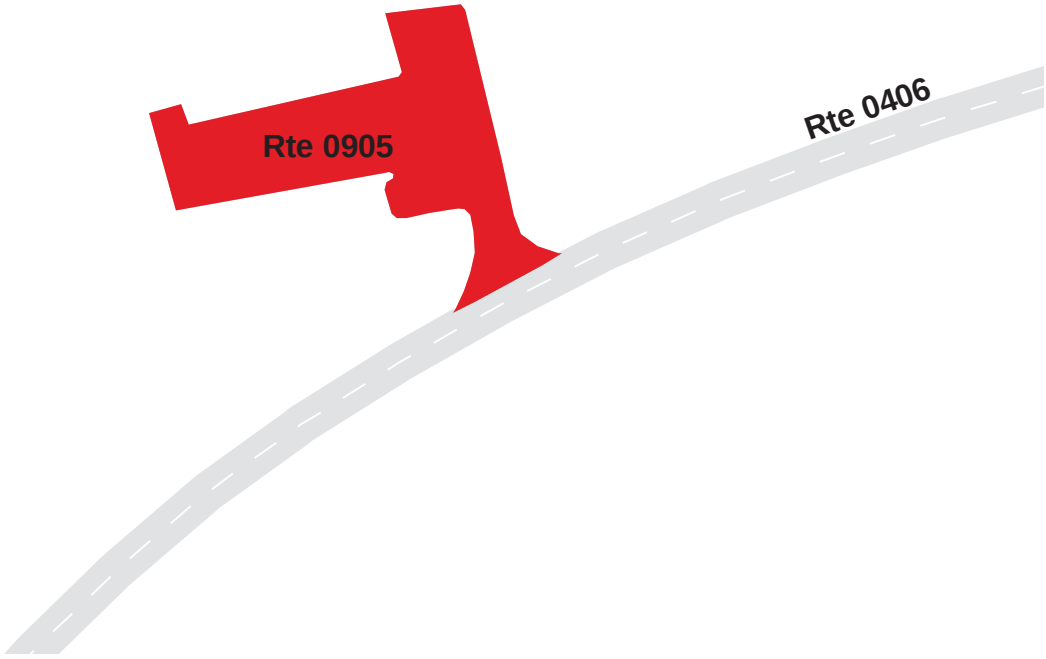
* Lane miles are based on 11' lane widths

310 155 0 310
Feet

JOSHUA TREE NATIONAL PARK
Route 0905
COTTONWOOD RESIDENTIAL AREA
ADJACENT TO ROUTE 0406 (COTTONWOOD RESIDENTIAL ROAD) AT MP 0.07 (ON LEFT)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0905	NONPUBLIC	11/14/2007		9,628	0.17	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



JOSHUA TREE NATIONAL PARK
Route 0906
COTTONWOOD DUMP STATION

FROM ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD) AT MP 0.46 (ON LEFT)
TO ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD) AT MP 0.50 (ON LEFT)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0906	PUBLIC	11/14/2007		8,762	0.15	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths

120 60 0 120
Feet

JOSHUA TREE NATIONAL PARK
Route 0907A
COTTONWOOD CAMPGROUND PARKING A

ADJACENT TO ROUTE 0216A (COTTONWOOD CAMPGROUND LOOP A) AT MP 0.06 (ON LEFT)

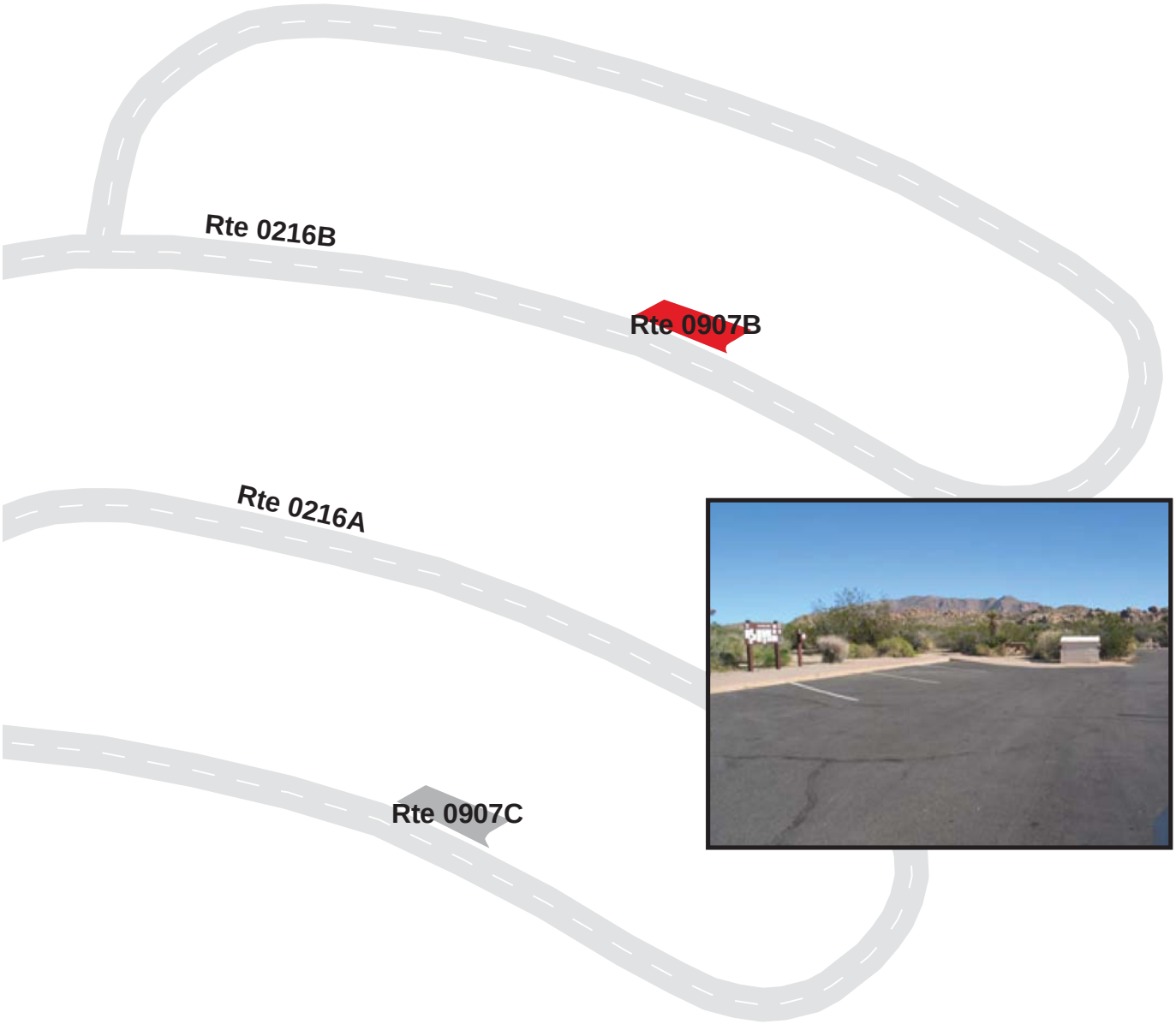
Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0907A	PUBLIC	11/14/2007		8,020	0.14	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths

JOSHUA TREE NATIONAL PARK
Route 0907B
COTTONWOOD CAMPGROUND PARKING B
ADJACENT TO ROUTE 0216B ON LEFT @ MP .31

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0907B	PUBLIC	11/14/2007		883	0.02	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

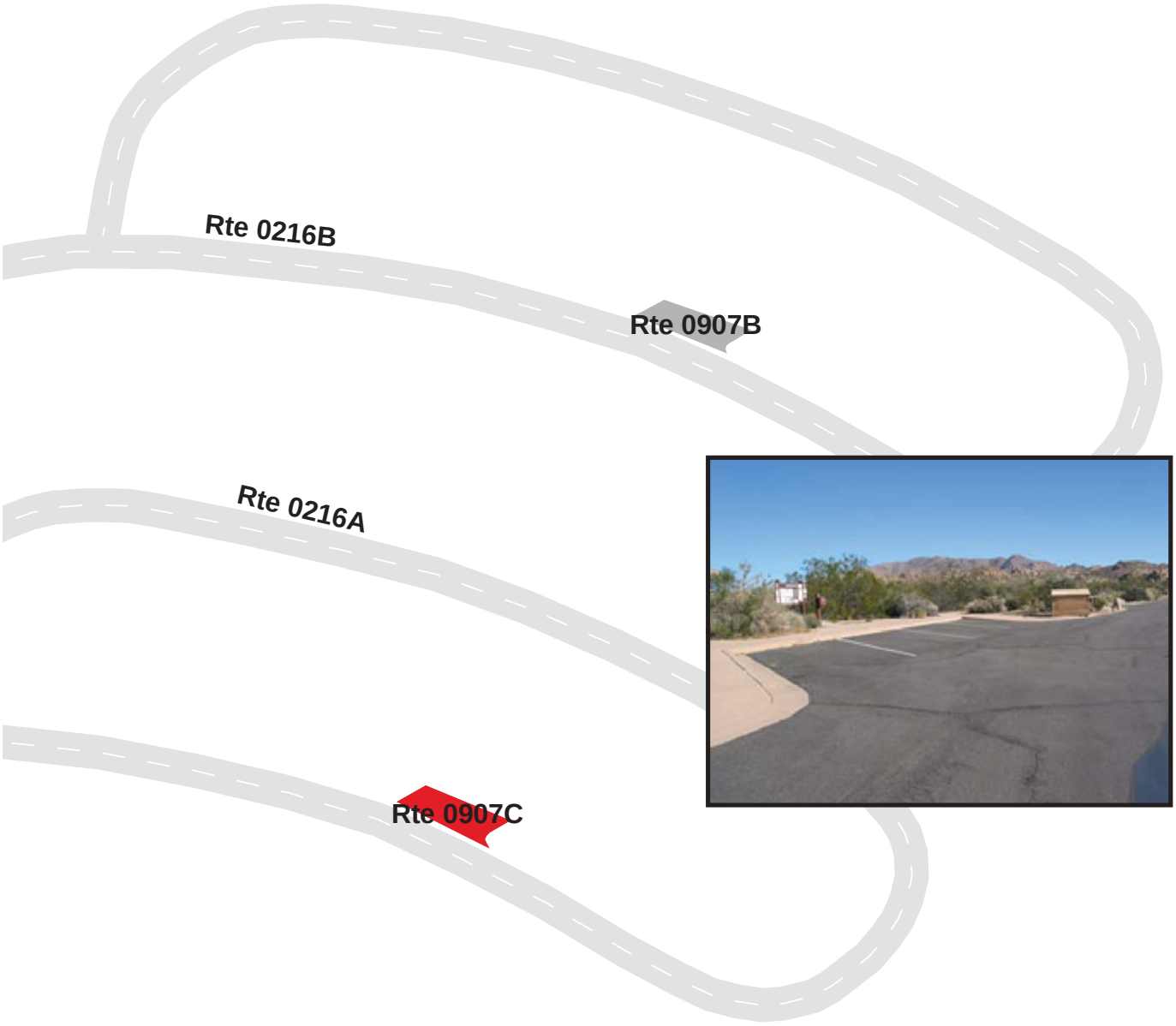
* Lane miles are based on 11' lane widths



JOSHUA TREE NATIONAL PARK
Route 0907C
COTTONWOOD CAMPGROUND PARKING C
ADJACENT TO ROUTE 0216A ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0907C	PUBLIC	11/14/2007		951	0.02	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

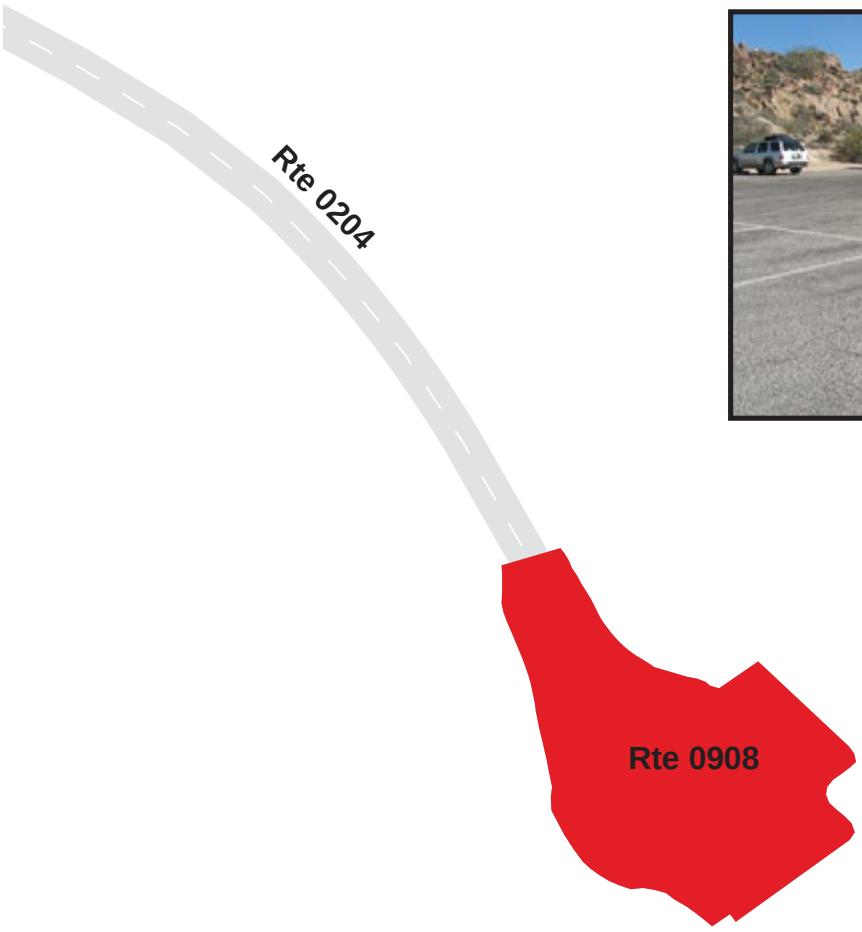
* Lane miles are based on 11' lane widths



JOSHUA TREE NATIONAL PARK
Route 0908
COTTONWOOD SPRINGS OASIS PARKING
AT END OF ROUTE 0204

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0908	PUBLIC	11/14/2007		16,567	0.29	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths

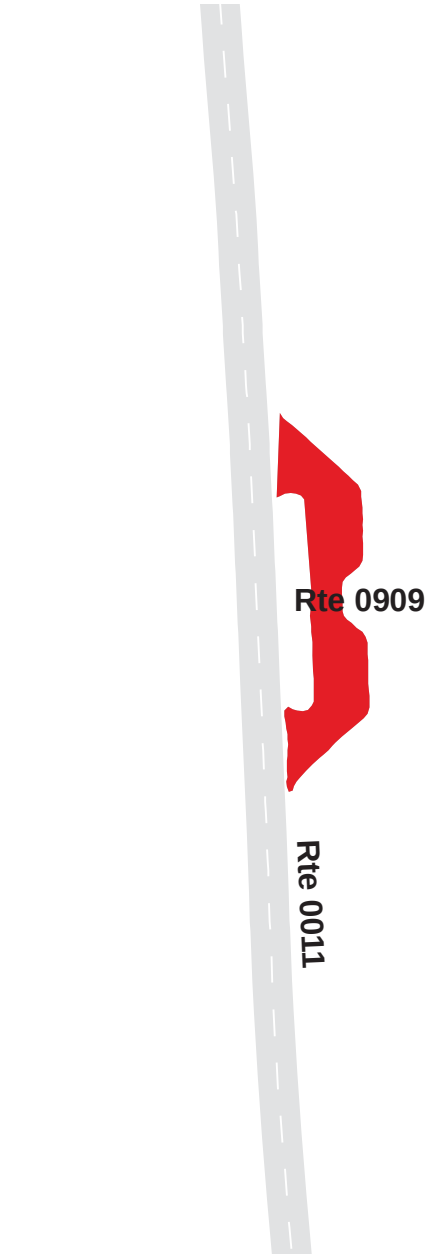


120 60 0 120
Feet

JOSHUA TREE NATIONAL PARK
Route 0909
BAJADA ALL TRAIL PARKING
ADJACENT TO ROUTE 0011 AT MP 35.38 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0909	PUBLIC	11/14/2007		11,498	0.20	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

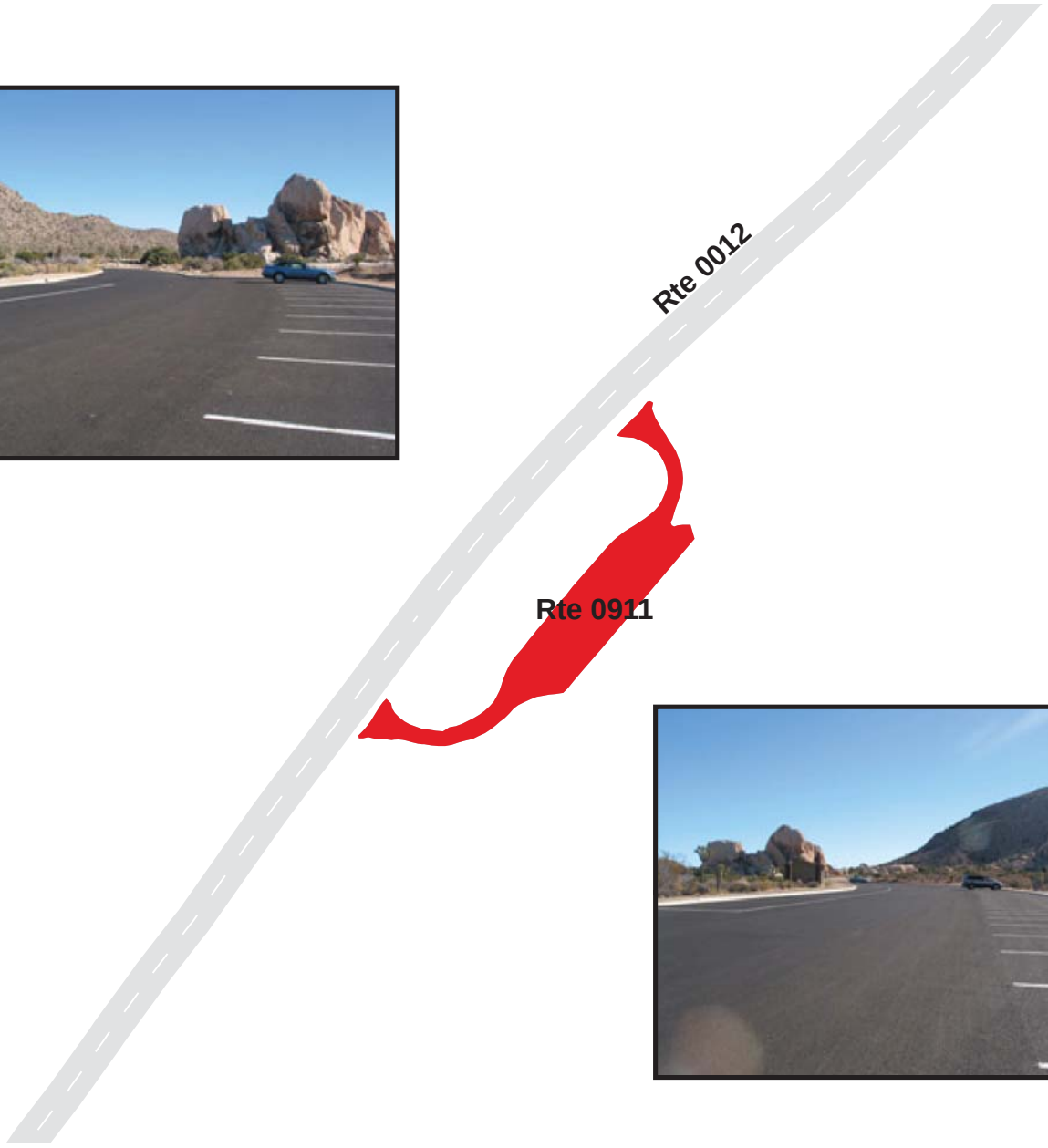


220 110 0 220
Feet

JOSHUA TREE NATIONAL PARK
Route 0911
OYSTER BAR TRAILHEAD PARKING
FROM ROUTE 0012 AT MP 15.96
TO ROUTE 0012 AT MP 16.02

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0911	PUBLIC	11/14/2007		10,598	0.18	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths

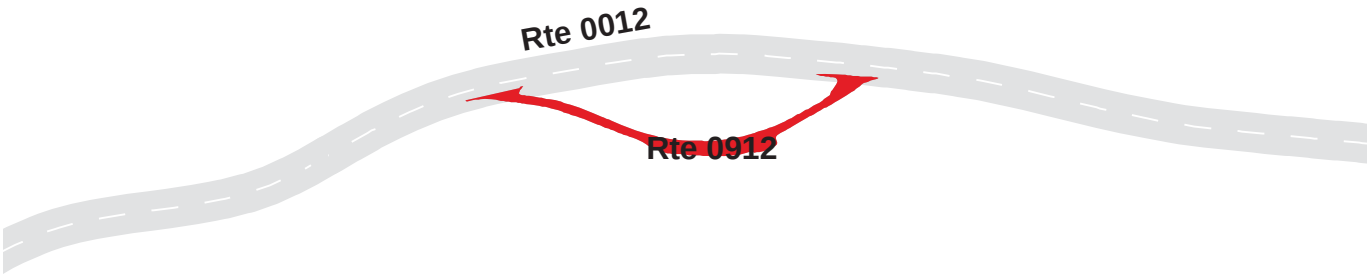


220 110 0 220
Feet

JOSHUA TREE NATIONAL PARK
Route 0912
RYAN MOUNTAIN TRAILHEAD PARKING
FROM ROUTE 0012 AT MP 14.78
TO ROUTE 0012 AT MP 14.91

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0912	PUBLIC	11/14/2007		26,772	0.46	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths

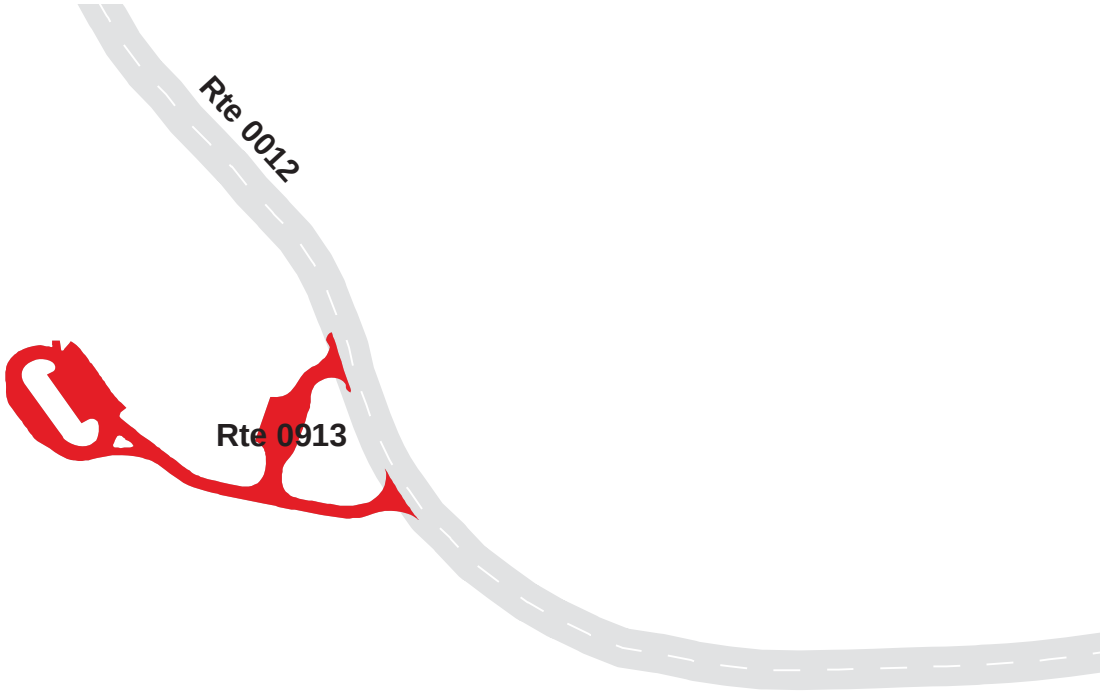


660 330 0 660
Feet

JOSHUA TREE NATIONAL PARK
Route 0913
QUAIL SPRINGS PARKING AREA
FROM ROUTE 0012 AT MP 21.55 ON LEFT
TO ROUTE 0012 AT MP 21.58 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0913	PUBLIC	11/13/2007		41,645	0.72	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	EXCELLENT/97

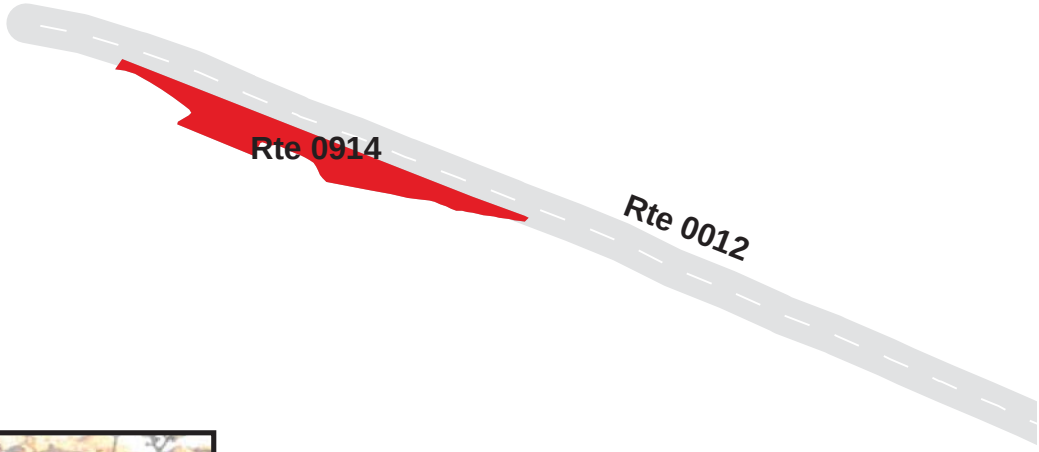
* Lane miles are based on 11' lane widths



JOSHUA TREE NATIONAL PARK
Route 0914
WEST ENTRANCE STATION
ADJACENT TO ROUTE 0012 AT MP 27.45 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0914	PUBLIC	11/13/2007		10,012	0.17	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths

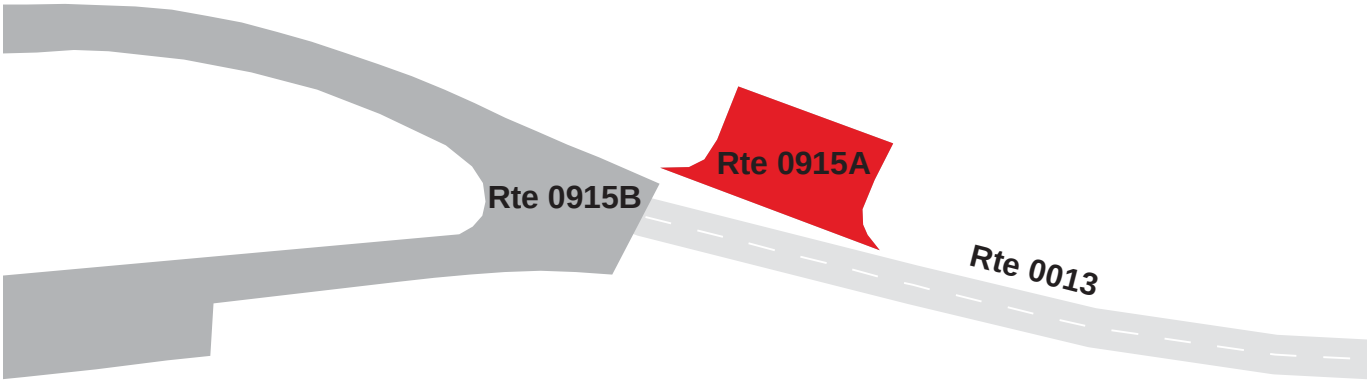


290 145 0 290
Feet

JOSHUA TREE NATIONAL PARK
Route 0915A
KEYS VIEW PARKING A
FROM ROUTE 0013 ON RIGHT
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0915A	PUBLIC	11/13/2007		1,651	0.03	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



50 25 0 50
Feet

JOSHUA TREE NATIONAL PARK
Route 0915B
KEYS VIEW PARKING B
AT END OF ROUTE 0013
TO END OF LOOP

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0915B	PUBLIC	11/13/2007		21,015	0.36	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths

JOSHUA TREE NATIONAL PARK
Route 0916
INDIAN COVE CONTACT STATION
ADJACENT TO ROUTE 0212A ON RIGHT

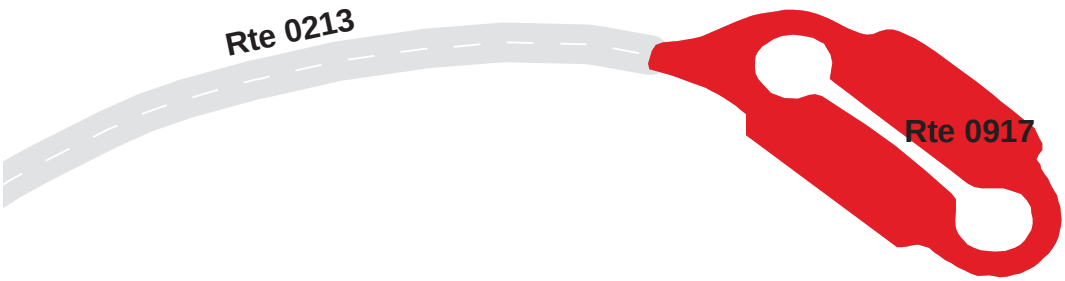
Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0916	PUBLIC	11/13/2007		11,610	0.20	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths

JOSHUA TREE NATIONAL PARK
Route 0917
49 PALMS OASIS PARKING
AT END OF ROUTE 0213

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0917	PUBLIC	11/14/2007		23,473	0.40	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	ASPHALT CURB	FAIR/73

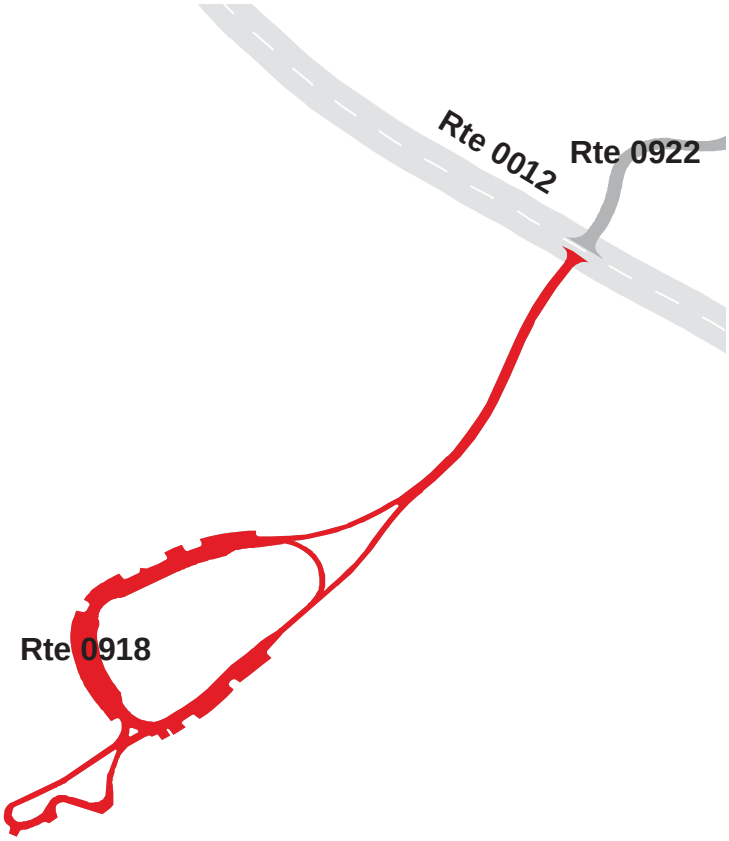
* Lane miles are based on 11' lane widths



JOSHUA TREE NATIONAL PARK
Route 0918
HIDDEN VALLEY PICNIC PARKING
ADJACENT TO ROUTE 0012 AT MP 18.64 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0918	PUBLIC	11/14/2007		101,480	1.75	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



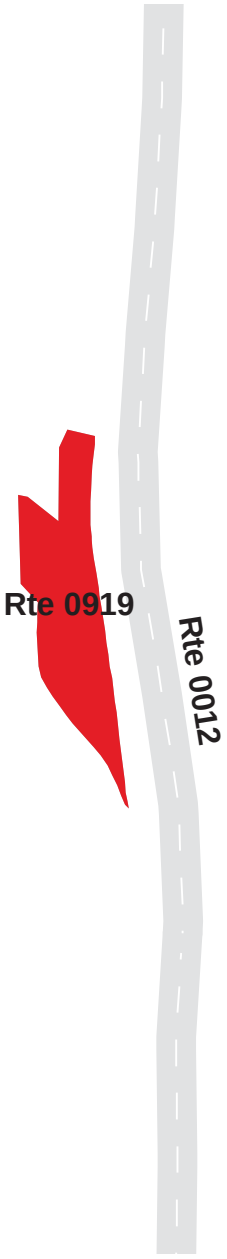
570 285 0 570
Feet

N

JOSHUA TREE NATIONAL PARK
Route 0919
NORTH ENTRANCE CONTACT STATION PARKING
ADJACENT TO ROUTE 0012 AT MP 1.98 ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0919	PUBLIC	11/14/2007		3,061	0.05	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths

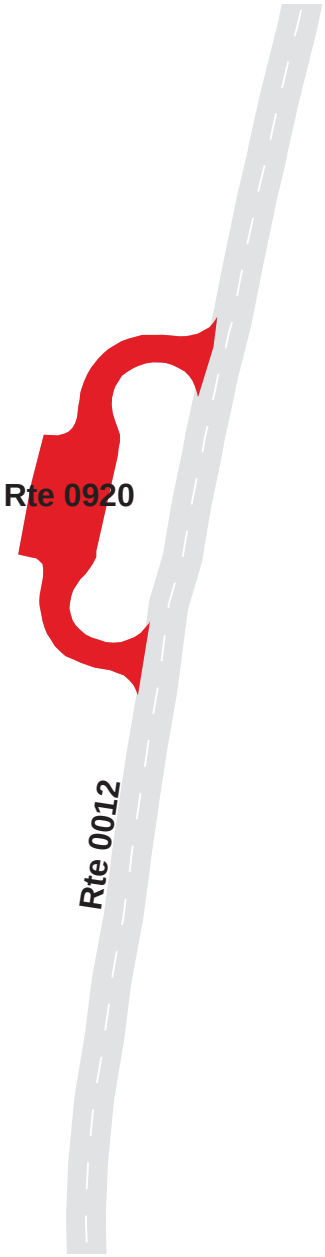


110 55 0 110
Feet

JOSHUA TREE NATIONAL PARK
Route 0920
MOJAVE PLANTS PARKING
FROM ROUTE 0012 AT MP 17.11
TO ROUTE 0012 AT MP 17.15

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0920	PUBLIC	11/13/2007		13,734	0.24	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



230 115 0 230
Feet

JOSHUA TREE NATIONAL PARK
Route 0921
HEMMINGWAYS PARKING
FROM ROUTE 0012 AT MP 19.61 ON LEFT
TO ROUTE 0012 AT MP 19.67 ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0921	PUBLIC	11/13/2007		18,048	0.31	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths

270 135 0 270
Feet

JOSHUA TREE NATIONAL PARK
Route 0922
INTERSECTION ROCK PARKING
FROM ROUTE 0012 AT MP 18.64 ON RIGHT
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0922	PUBLIC	11/13/2007		48,929	0.84	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths

JOSHUA TREE NATIONAL PARK

Route 0923

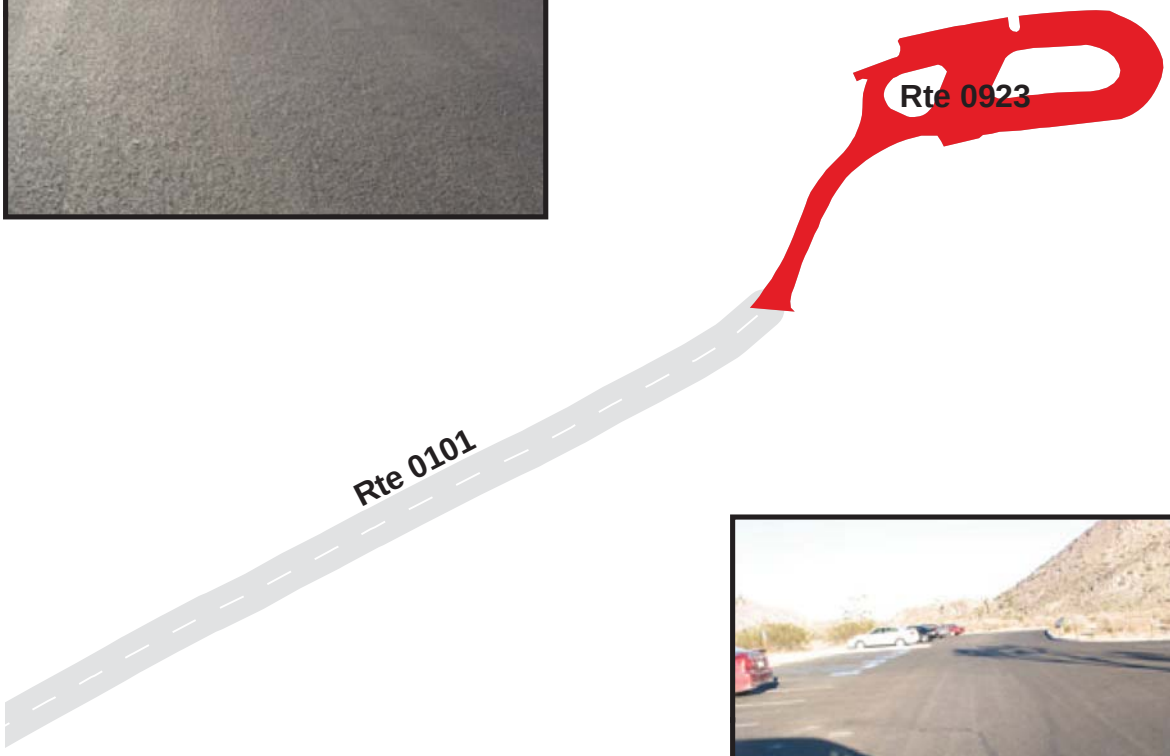
BARKER DAM PARKING

FROM ROUTE 0101 AT END

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0923	PUBLIC	11/13/2007		40,579	0.70	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



400 200 0 400

Feet

N

JOSHUA TREE NATIONAL PARK
Route 0925
BLACK ROCK CAMPGROUND DUMPSTATION
ADJACENT TO ROUTE 0214

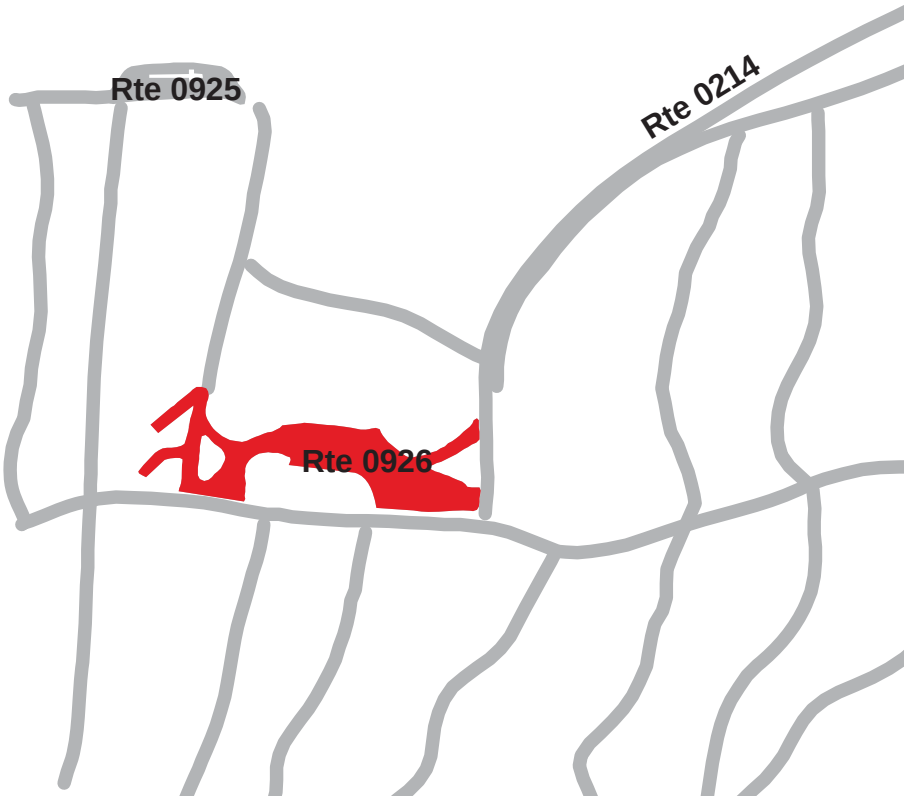
Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0925	PUBLIC	11/15/2007		5,492	0.10	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths

JOSHUA TREE NATIONAL PARK
Route 0926
BLACK ROCK NATURE CENTER PARKING
ADJACENT TO ROUTE 0214

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0926	PUBLIC	11/15/2007		20,830	0.36	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



JOSHUA TREE NATIONAL PARK

Route 0952

LOST HORSE RANGER STATION PARKING

FROM ROUTE 0102

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0952	PUBLIC	11/13/2007		17,124	0.30	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths

190 95 0 190

Feet

JOSHUA TREE NATIONAL PARK

Route 0957

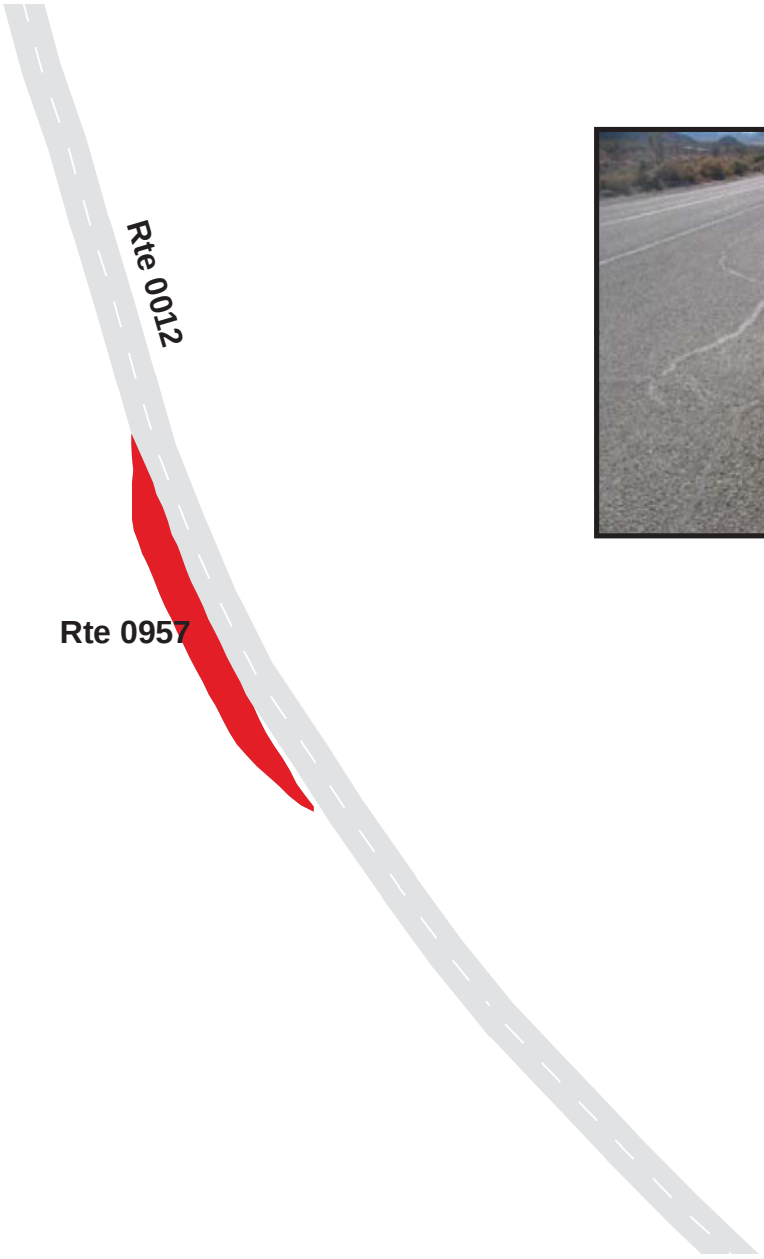
BARREN OR BOUNTIFUL PARKING

FROM ROUTE 0012 AT MP 25.05

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0957	PUBLIC	11/13/2007		4,150	0.07	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



190 95 0 190 Feet

N

JOSHUA TREE NATIONAL PARK
Route 0958
RYAN RANCH PARKING
FROM ROUTE 0012 AT MP 16.33
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0958	PUBLIC	11/13/2007		6,268	0.11	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

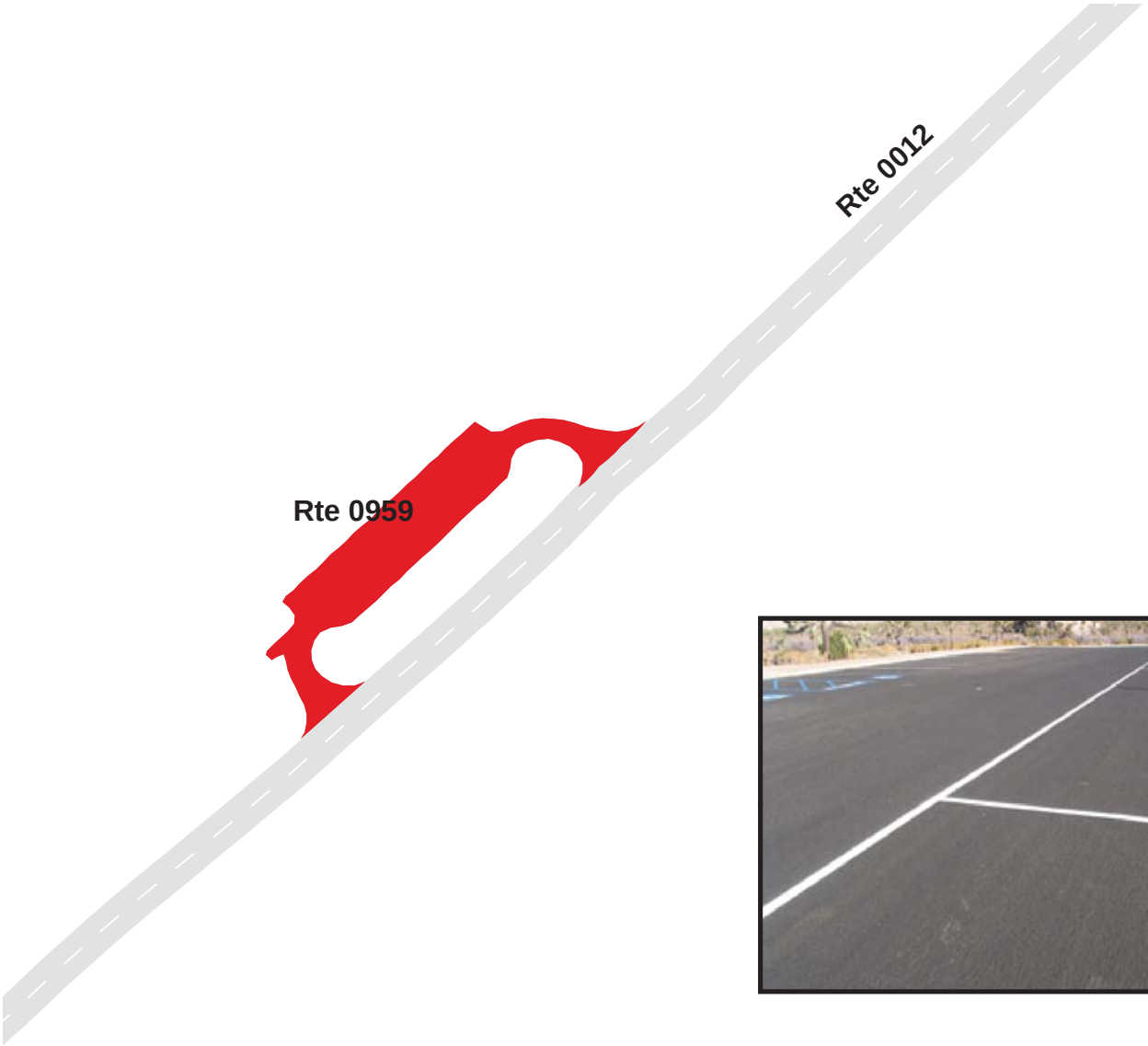
* Lane miles are based on 11' lane widths

340 170 0 340
Feet

JOSHUA TREE NATIONAL PARK
Route 0959
HALL OF HORRORS PARKING
FROM ROUTE 0012 AT MP 15.42
TO ROUTE 0012 AT MP 15.48

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0959	PUBLIC	11/13/2007		17,284	0.30	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths

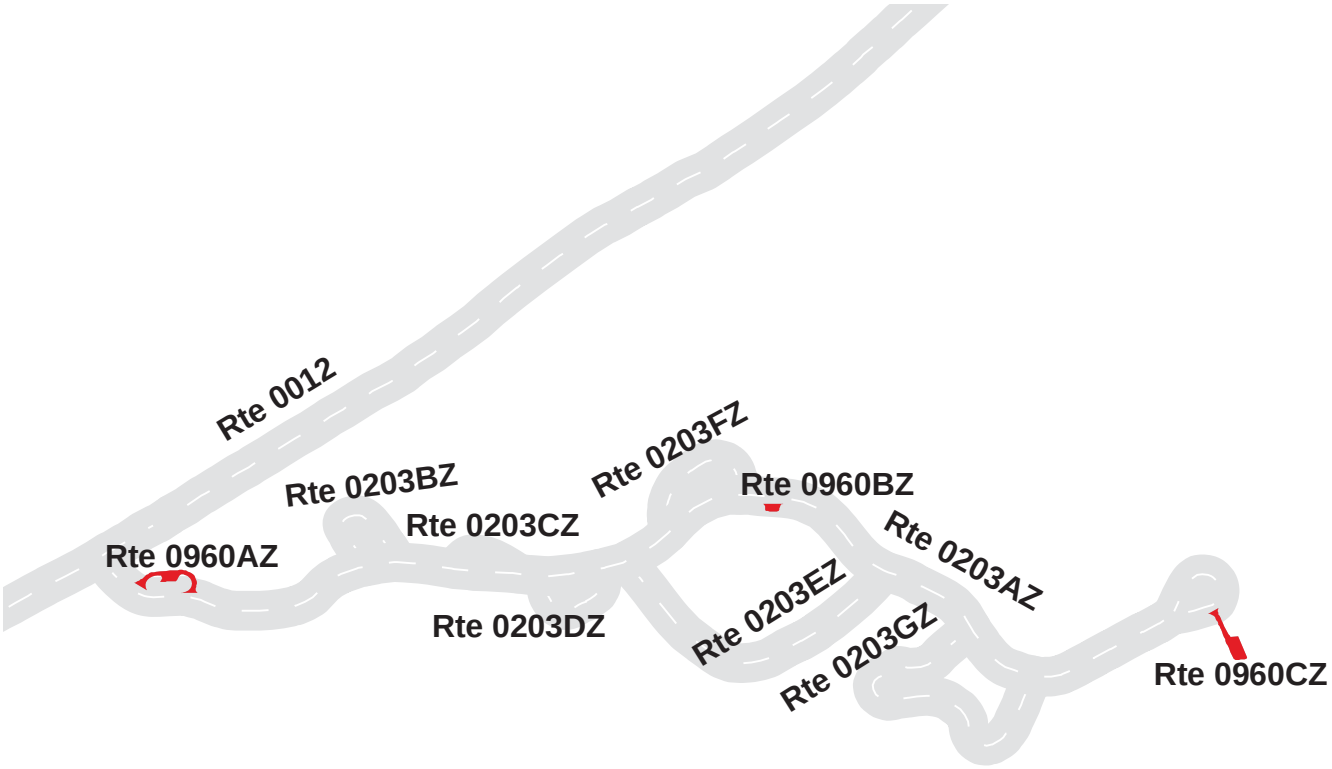


210 105 0 210
Feet

JOSHUA TREE NATIONAL PARK
Route 0960ZZ
JUMBO ROCKS PARKING AREAS
FROM ROUTE 0203ZZ
TO PARKING
Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0960ZZ	PUBLIC	1/13/2008		9,555	0.17	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	SUMMARY/80.73

* Lane miles are based on 11' lane widths



920 460 0 920
Feet

JOSHUA TREE NATIONAL PARK
Route 0960AZ

JUMBO ROCKS DAY USE PKG

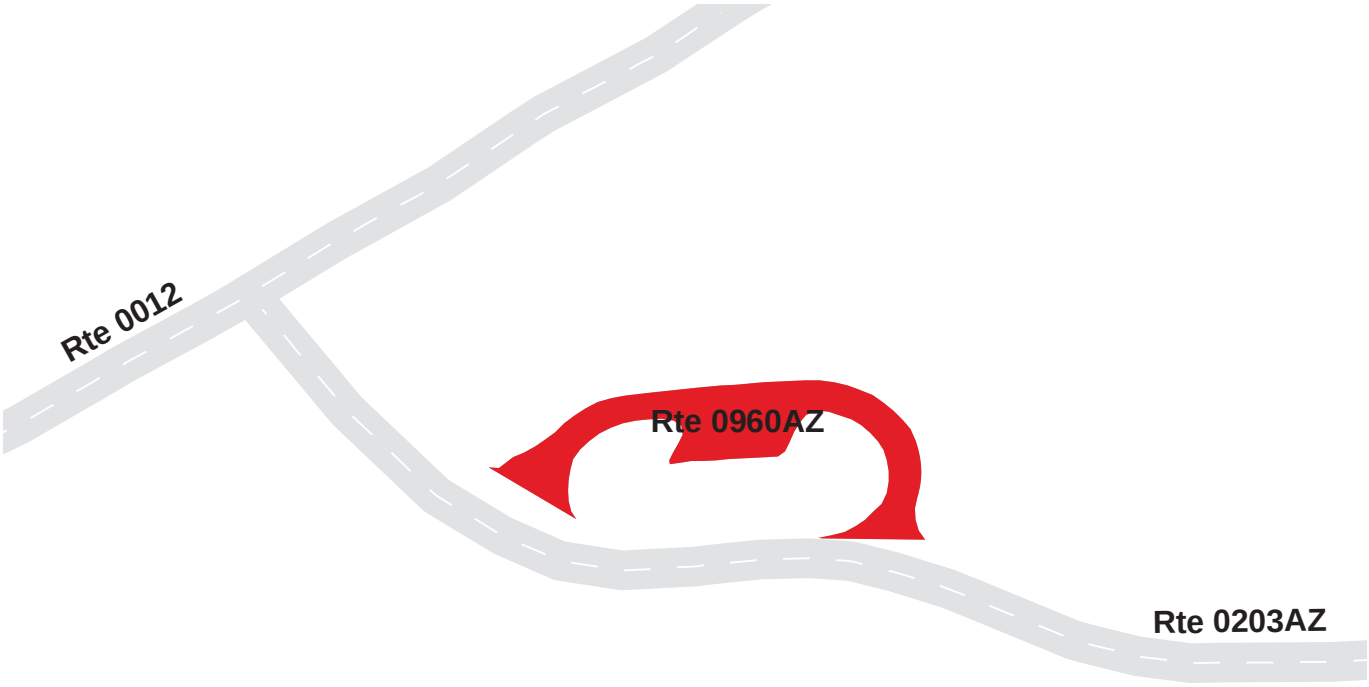
FROM ROUTE 0203AZ AT MP .02

TO ROUTE 0203AZ AT MP .05

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0960AZ	PUBLIC	11/13/2007		4,340	0.08	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



110 55 0 110

Feet

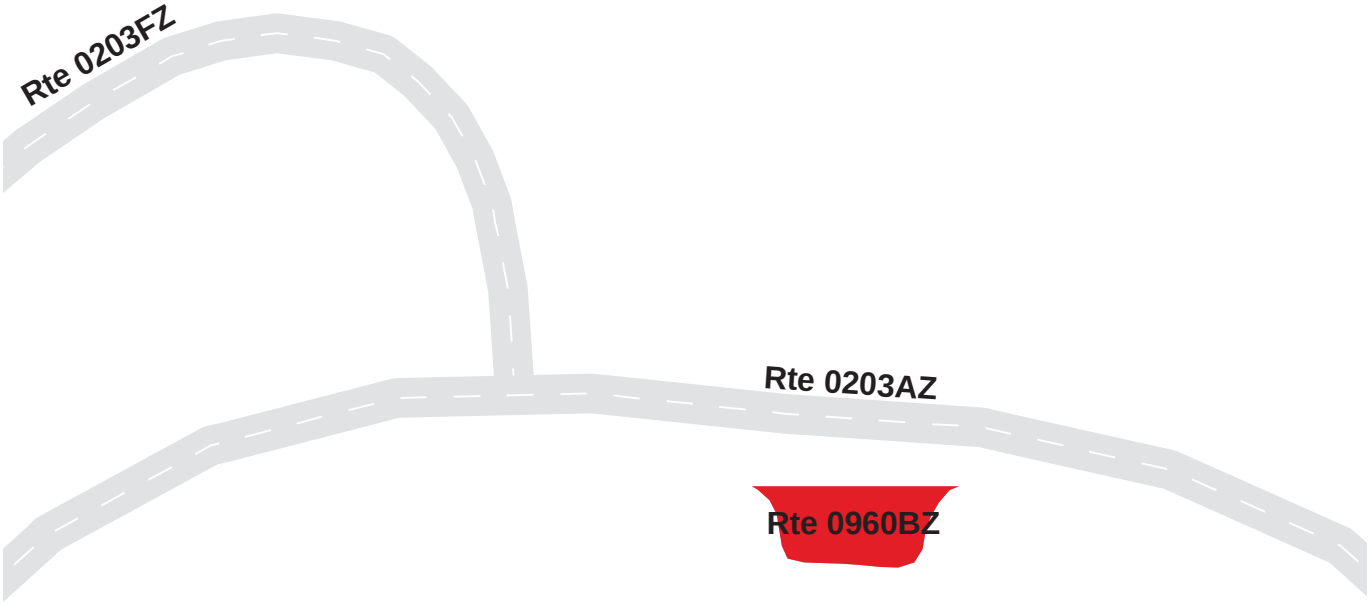
N

JOSHUA TREE NATIONAL PARK
Route 0960BZ
SKULL ROCK TRAIL AND AMPHITHEATER PARKING
ADJACENT TO ROUTE 0203AZ @ MP .38

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0960BZ	PUBLIC	1/13/2007		1,018	0.02	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



70 35 0 70
Feet

N

JOSHUA TREE NATIONAL PARK
Route 0960CZ

SITES 72 THROUGH 76 PARKING

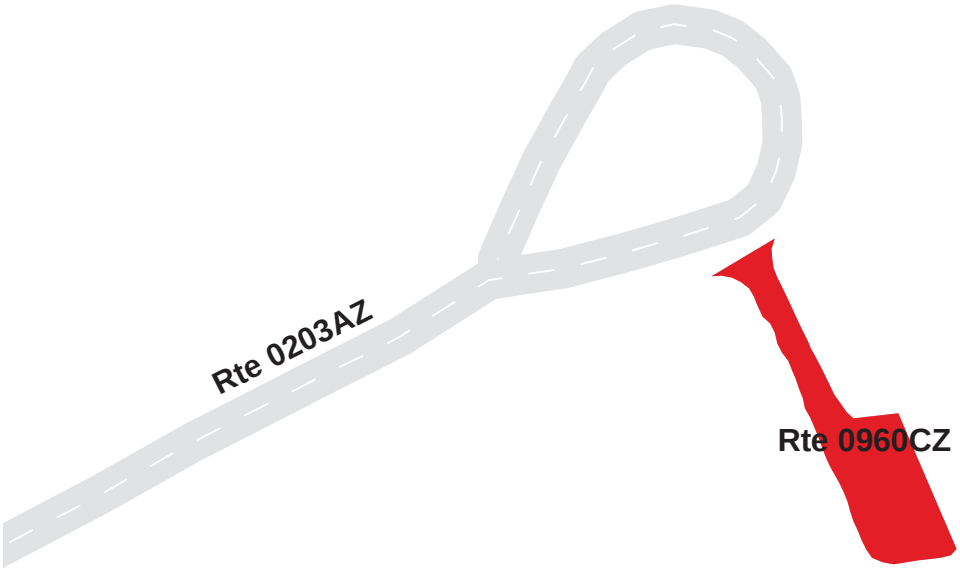
FROM ROUTE 0203AZ AT MP .67

TO PARKING

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0960CZ	PUBLIC	1/13/2008		4,197	0.07	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



130 65 0 130 Feet

N

JOSHUA TREE NATIONAL PARK
Route 0961
KEYS VIEW HANDICAPPED PARKING
ADJACENT TO ROUTE 0013 AT MP 5.17

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0961	PUBLIC	1/10/2008		1,337	0.02	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths

100 50 0 100
Feet

Joshua Tree National Park

Section 8
Parkwide / Route Maintenance
Features Summaries

JOTR: PARKWIDE MAINTENANCE FEATURES SUMMARY

Notice: Drop Inlets along ARAN-driven routes were NOT marked by NPS nor were they inventoried by RIP. Culverts that lack a BIP assigned Structure Number along ARAN-driven routes were NOT marked by NPS nor were they inventoried by RIP. Culverts that have a BIP assigned Structure Number along ARAN-driven routes were marked by NPS and were inventoried by RIP. Culverts and Drop Inlets that are associated with Manually Rated Routes and Paved Parking Areas are included in the Cycle 4 counts. To view the Cycle 3 culvert and drop inlet inventory, please refer to the Cycle 3 RIP Report.

FEATURE	LINEAR FEET	COUNT
BARRIER	0	--
BOLLARD	0	--
BRIDGE	--	0
CABLE	0	--
CATTLE GUARD	--	0
CULVERT	--	0
CURB	190,444	--
DROP INLET	--	0
FIRE HYDRANT	--	5
GATE	--	24
GUARD/GUIDE RAIL	0	--
GUARD/GUIDE WALL	0	--
INTERSECTION	--	236
LOW WATER CROSSING	4,673	16
MILE MARKER	--	62
OVERPASS	--	0
OVERHEAD SIGN	--	0
PARK BOUNDARY	--	5
PAVED DITCH	3,744	--
PULLOUT	--	82
RAILROAD CROSSING	--	0
RETAINING WALL	--	0
SIGN	--	679
STATE BOUNDARY	--	0
TEMPORARY BARRIER	0	--
TRAFFIC LIGHT	--	0
TUNNEL	--	0
TURNOUT	0	--

Data Collected 1/10/2008

JOTR: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0011 PINTO BASIN ROAD	ROUTE 0012 EAST-WEST HIGHWAY	ROUTE 0013 KEY'S VIEW ROAD	ROUTE 0101 BARKER DAM ROAD	ROUTE 0203ZZ JUMBO ROCKS CAMPGROUND	ROUTE 0204 COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	0	EACH
CURB	3,538	110,970	57,652	15,756	1,003	137	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
FIRE HYDRANT	0	1	0	0	0	1	EACH
GATE	3	2	2	0	2	0	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	20	41	11	6	45	9	EACH
LOW WATER CROSSING	10	4	0	0	0	2	EACH
LOW WATER CROSSING	2,883	1,404	0	0	0	385	LINEAR FEET
MILE MARKER	33	29	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	1	2	0	0	0	0	EACH
PAVED DITCH	0	3,744	0	0	0	0	LINEAR FEET
PULLOUT	17	41	8	9	1	3	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
SIGN	151	242	61	18	34	18	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

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JOTR: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0205 BELLE CAMPGROUND ROAD	ROUTE 0206 WHITE TANK CAMPGROUND ENTRANCE ROAD	ROUTE 0207 HIDDEN VALLEY CAMPGROUND ENTRANCE ROAD	ROUTE 0207A HIDDEN VALLEY CAMPGROUND LOOP ROAD A	ROUTE 0211 SHEEP PASS CAMPGROUND ENTRANCE ROAD	ROUTE 0212A INDIAN COVE CAMPGROUND ROAD A	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	0	EACH
CURB	0	0	1,199	0	121	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
FIRE HYDRANT	0	0	0	0	0	0	EACH
GATE	1	1	1	0	1	1	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	3	4	4	6	4	7	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	1	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	2	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
SIGN	6	9	5	1	10	29	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Drop Inlets along ARAN-driven routes were NOT marked by NPS nor were they inventoried by RIP. Culverts that lack a BIP assigned Structure Number along ARAN-driven routes were NOT marked by NPS nor were they inventoried by RIP. Culverts that have a BIP assigned Structure Number along ARAN-driven routes were marked by NPS and were inventoried by RIP. To view the Cycle 3 culvert and drop inlet inventory for ARAN-driven routes, please refer to the Cycle 3 RIP Report.

JOTR: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0212C INDIAN COVE CAMPGROUND ROAD C	ROUTE 0212D INDIAN COVE CAMPGROUND ROAD D	ROUTE 0212E INDIAN COVE CAMPGROUND ROAD E	ROUTE 0212F INDIAN COVE CAMPGROUND ROAD F	ROUTE 0213 49 PALMS OASIS ACCESS ROAD	ROUTE 0216A COTTONWOOD CAMPGROUND LOOP A	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	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
FIRE HYDRANT	0	0	0	0	0	0	EACH
GATE	2	0	1	0	1	0	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	22	12	10	5	2	7	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	1	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	1	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
SIGN	24	17	15	3	4	13	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Drop Inlets along ARAN-driven routes were NOT marked by NPS nor were they inventoried by RIP. Culverts that lack a BIP assigned Structure Number along ARAN-driven routes were NOT marked by NPS nor were they inventoried by RIP. Culverts that have a BIP assigned Structure Number along ARAN-driven routes were marked by NPS and were inventoried by RIP. To view the Cycle 3 culvert and drop inlet inventory for ARAN-driven routes, please refer to the Cycle 3 RIP Report.

JOTR: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0216B COTTONWOOD CAMPGROUND LOOP B	ROUTE 0400 MAINTENANCE ROAD	ROUTE 0406 COTTONWOOD RESIDENTIAL ROAD	ROUTE 0411 BELLE MOUNTAIN ROAD	UNIT
BARRIER	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	EACH
CABLE	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	EACH
CULVERT	0	0	0	0	EACH
CURB	0	69	0	0	LINEAR FEET
DROP INLET	0	0	0	0	EACH
FIRE HYDRANT	0	0	1	0	EACH
GATE	0	1	0	1	EACH
GUARD/GUIDE RAIL	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	LINEAR FEET
INTERSECTION	5	5	4	4	EACH
LOW WATER CROSSING	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	EACH
OVERPASS	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	EACH
SIGN	4	7	5	3	EACH
STATE BOUNDARY	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	EACH
TUNNEL	0	0	0	0	EACH
TURNOUT	0	0	0	0	LINEAR FEET

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JOTR: STRUCTURE LIST

ROUTE NUMBER	FUNCTIONAL CLASS	MILEPOST START	MILEPOST END	FEATURE	STRUCTURE NUMBER
0	0	0	0	0	0

No data available for this section.

Joshua Tree National Park

Section 9
Park Route Maintenance Features
Road Logs

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: PINTO BASIN ROAD

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 6.55 (ON LEFT)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0012 (EAST-WEST HIGHWAY)
0.000	0.000	SIGN	N/A	GUIDE, KEYS VIEW JOSHUA TREE 28 PALMS VISITOR CENTER
0.000	0.000	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0012 (EAST-WEST HIGHWAY)
0.002	0.002	SIGN	RIGHT	REGULATORY, STOP
0.034	0.034	SIGN	RIGHT	GUIDE, COTTONWOOD VISITOR CENTER 30 INTERSTATE 10 37 MI
0.054	0.054	INTERSECTION	LEFT	ROUTE 0400 (MAINTENANCE ROAD)
0.073	0.073	GATE	N/A	
0.086	0.086	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.403	0.403	SIGN	RIGHT	WARNING, 35 M.P.H.
0.403	0.403	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.404	0.404	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
0.785	0.785	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
1.019	1.019	MILE MARKER	LEFT	
1.237	1.237	SIGN	RIGHT	GUIDE, 500 FT
1.337	1.337	SIGN	LEFT	GUIDE, BELLE CAMPGROUND
1.337	1.337	SIGN	RIGHT	GUIDE, BELLE CAMPGROUND
1.338	1.338	INTERSECTION	LEFT	ROUTE 0205 (BELLE CAMPGROUND ROAD)
1.440	1.440	SIGN	RIGHT	GUIDE, 500 FT
1.722	1.722	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.988	1.988	MILE MARKER	LEFT	
2.214	2.214	INTERSECTION	RIGHT	ROUTE 0902 (TWIN TANKS BACKCOUNTRY PARKING)
2.214	2.214	SIGN	RIGHT	GUIDE, TWIN TANKS
2.215	2.215	SIGN	LEFT	GUIDE, TWIN TANKS
2.229	2.229	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.336	2.336	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.620	2.620	SIGN	RIGHT	GUIDE, 500 FT
2.719	2.719	INTERSECTION	LEFT	ROUTE 0206 (WHITE TANK CAMPGROUND ENTRANCE ROAD)

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: PINTO BASIN ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.726	2.726	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
2.726	2.726	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
2.726	2.726	SIGN	RIGHT	GUIDE, WHITE TANK CAMPGROUND
2.727	2.727	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
2.727	2.727	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
2.727	2.727	SIGN	LEFT	GUIDE, WHITE TANK CAMPGROUND
2.822	2.822	SIGN	RIGHT	GUIDE, 500 FT
3.039	3.039	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
3.113	3.113	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
3.137	3.137	INTERSECTION	RIGHT	ROUTE 0903 (2 DESERTS MEET PARKING)
3.235	3.235	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
3.396	3.396	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
3.956	3.956	MILE MARKER	LEFT	
4.413	4.413	INTERSECTION	LEFT	ROUTE 0412 (PISTOL RANGE BORROW PIT ROAD)
4.957	4.957	MILE MARKER	LEFT	
5.387	5.417	PULLOUT	LEFT	
5.606	5.633	PULLOUT	RIGHT	
5.936	5.936	MILE MARKER	LEFT	
6.368	6.416	PULLOUT	RIGHT	
6.930	6.930	MILE MARKER	LEFT	
6.971	6.971	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
7.112	7.160	PULLOUT	LEFT	
7.169	7.226	PULLOUT	RIGHT	
7.331	7.331	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
7.456	7.456	SIGN	RIGHT	WARNING, ROAD NARROWS
7.514	7.514	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
7.515	7.515	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
7.843	7.843	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
7.922	7.922	MILE MARKER	LEFT	
8.382	8.382	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: PINTO BASIN ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
8.382	8.382	SIGN	RIGHT	WARNING, 35 M.P.H.
8.900	8.900	MILE MARKER	LEFT	
9.283	9.283	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
9.465	9.465	SIGN	RIGHT	GUIDE, NO STOPPING NEXT MILE
9.493	9.493	SIGN	RIGHT	WARNING, 25 M.P.H.
9.493	9.493	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
9.770	9.770	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
9.770	9.770	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
9.892	9.892	MILE MARKER	LEFT	
9.949	9.949	INTERSECTION	RIGHT	ROUTE 0936 (CHOLLA CACTUS GARDEN PARKING)
9.958	9.958	SIGN	RIGHT	GUIDE, CHOLLA GARDENS
9.959	9.959	SIGN	LEFT	GUIDE, CHOLLA GARDENS
10.084	10.084	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.084	10.084	SIGN	RIGHT	WARNING, 25 M.P.H.
10.097	10.097	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
10.097	10.097	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
10.471	10.471	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
10.524	10.524	SIGN	RIGHT	GUIDE, NO STOPPING NEXT MILE
10.903	10.903	MILE MARKER	LEFT	
11.300	11.300	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
11.385	11.385	SIGN	RIGHT	GUIDE, OCOTILLO PATCH
11.430	11.430	INTERSECTION	RIGHT	ROUTE 0937 (OCOTILLO PATCH PARKING)
11.474	11.474	SIGN	RIGHT	GUIDE, OCOTILLO PATCH
11.535	11.535	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
11.867	11.867	MILE MARKER	LEFT	
12.222	12.222	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
12.528	12.528	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
12.671	12.671	SIGN	RIGHT	GUIDE, COTTONWOOD SPRING 18 MI INTERSTATE 10 24 MI
12.858	12.858	MILE MARKER	LEFT	
13.019	13.019	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: PINTO BASIN ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
13.019	13.019	SIGN	RIGHT	WARNING, 25 M.P.H.
13.139	13.139	SIGN	RIGHT	GUIDE, FRIED LIVER WASH
13.853	13.853	MILE MARKER	LEFT	
14.824	14.824	MILE MARKER	LEFT	
15.264	15.264	SIGN	RIGHT	GUIDE, FRIED LIVER WASH
15.831	15.831	MILE MARKER	LEFT	
15.885	15.885	SIGN	RIGHT	WARNING, 25 M.P.H.
15.885	15.885	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
15.949	15.949	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
16.180	16.180	INTERSECTION	LEFT	ROUTE 0938 (TURKEY FLATS BACKCOUNTRY BOARD PARKING)
16.303	16.303	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
16.383	16.383	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
16.383	16.383	SIGN	RIGHT	WARNING, 25 M.P.H.
16.787	16.787	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
16.789	16.789	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
16.813	16.813	MILE MARKER	LEFT	
17.229	17.229	SIGN	RIGHT	GUIDE, 29 PALMS 27 MI KEYS VIEW 38 MI
17.802	17.802	MILE MARKER	LEFT	
18.796	18.796	MILE MARKER	LEFT	
19.791	19.791	MILE MARKER	LEFT	
19.843	19.843	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
19.971	19.971	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
20.776	20.776	MILE MARKER	LEFT	
21.192	21.192	SIGN	RIGHT	WARNING, 35 M.P.H.
21.192	21.192	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
21.366	21.366	SIGN	RIGHT	WARNING, 35 M.P.H.
21.366	21.366	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
21.386	21.386	SIGN	LEFT	GUIDE, PORCUPINE WASH
21.387	21.387	SIGN	RIGHT	GUIDE, PORCUPINE WASH

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: PINTO BASIN ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
21.391	21.391	INTERSECTION	RIGHT	ROUTE 0939 (PORCUPINE WASH BACKCOUNTRY BOARD PARKING)
21.401	21.401	INTERSECTION	RIGHT	ROUTE 0939 (PORCUPINE WASH BACKCOUNTRY BOARD PARKING)
21.766	21.766	MILE MARKER	LEFT	
22.144	22.144	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
22.150	22.150	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
22.753	22.753	MILE MARKER	LEFT	
22.982	22.982	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
23.090	23.090	INTERSECTION	LEFT	ROUTE 0104 (BLACK EAGLE MINE ROAD)
23.230	23.230	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
23.514	23.514	SIGN	RIGHT	GUIDE, COTTONWOOD SPRING 8 MI INTERSTATE 10 13 MI
23.753	23.753	MILE MARKER	LEFT	
23.805	23.805	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
23.860	23.860	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
24.749	24.749	MILE MARKER	LEFT	
24.849	24.849	SIGN	RIGHT	GUIDE, SMOKE TREE WASH
25.045	25.045	SIGN	RIGHT	WARNING, SOFT SHOULDER
25.274	25.274	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
25.407	25.446	PULLOUT	LEFT	
25.461	25.461	SIGN	RIGHT	GUIDE, SMOKE TREE WASH
25.543	25.543	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
25.731	25.731	MILE MARKER	LEFT	
26.313	26.313	SIGN	RIGHT	WARNING, SOFT SHOULDER
26.377	26.377	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
26.377	26.377	SIGN	RIGHT	WARNING, 35 M.P.H.
26.432	26.432	SIGN	RIGHT	GUIDE, COTTONWOOD 3.5 MI
26.581	26.581	SIGN	RIGHT	WARNING, 35 M.P.H.
26.581	26.581	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
26.734	26.734	MILE MARKER	LEFT	
27.004	27.004	SIGN	RIGHT	WARNING, 35 M.P.H.

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: PINTO BASIN ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
27.004	27.004	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
27.234	27.234	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
27.234	27.234	SIGN	RIGHT	WARNING, 35 M.P.H.
27.235	27.235	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
27.696	27.696	MILE MARKER	LEFT	
28.696	28.696	MILE MARKER	LEFT	
29.289	29.289	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
29.334	29.334	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
29.360	29.360	SIGN	RIGHT	WARNING, 25 M.P.H.
29.360	29.360	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
29.668	29.668	SIGN	RIGHT	WARNING, 25 M.P.H.
29.668	29.668	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
29.900	29.900	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
29.900	29.900	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
29.900	29.900	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
29.900	29.900	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
29.902	29.902	GATE	N/A	
29.902	29.902	SIGN	N/A	REGULATORY, STOP
29.906	29.906	INTERSECTION	LEFT	ROUTE 0904 (COTTONWOOD VISITOR CENTER)
29.969	29.969	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
29.976	29.976	INTERSECTION	LEFT	ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD)
29.984	29.984	SIGN	LEFT	GUIDE, COTTONWOOD SPRING
29.992	29.992	INTERSECTION	RIGHT	ROUTE 0221 (PINKHAM CANYON ROAD)
30.022	30.022	SIGN	RIGHT	GUIDE, PAY ENTRANCE FEE AT VISITOR CENTER DURING BUSINESS HOURS
30.079	30.079	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
30.079	30.079	SIGN	RIGHT	WARNING, 25 M.P.H.
30.312	30.312	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
30.313	30.313	SIGN	RIGHT	WARNING, 25 M.P.H.
30.313	30.313	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: PINTO BASIN ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
30.354	30.354	SIGN	RIGHT	WARNING, ROAD NARROWS
30.505	30.524	LOW WATER CROSSING	N/A	
30.602	30.621	LOW WATER CROSSING	N/A	
30.688	30.688	MILE MARKER	RIGHT	
30.726	30.769	LOW WATER CROSSING	N/A	
31.079	31.079	SIGN	RIGHT	WARNING, 30 MPH
31.079	31.079	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
31.273	31.307	LOW WATER CROSSING	N/A	
31.383	31.383	SIGN	RIGHT	WARNING, 30 MPH
31.383	31.383	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
31.655	31.693	LOW WATER CROSSING	N/A	
31.678	31.678	SIGN	RIGHT	GUIDE, SERVICE ROAD ONLY
31.695	31.695	MILE MARKER	RIGHT	
31.754	31.830	PULLOUT	RIGHT	
31.765	31.818	CURB-AND-GUTTER	RIGHT	
31.851	31.889	LOW WATER CROSSING	N/A	
31.914	31.959	PULLOUT	LEFT	
31.925	31.946	CURB	LEFT	
31.946	31.946	SIGN	RIGHT	WARNING, 30 MPH
31.946	31.946	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
31.955	31.955	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
32.011	32.087	LOW WATER CROSSING	N/A	
32.087	32.262	CURB-AND-GUTTER	RIGHT	
32.087	32.146	PULLOUT	RIGHT	
32.210	32.253	CURB-AND-GUTTER	LEFT	
32.212	32.250	PULLOUT	LEFT	
32.271	32.271	SIGN	RIGHT	WARNING, 30 M.P.H.
32.271	32.271	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
32.410	32.496	LOW WATER CROSSING	N/A	
32.521	32.521	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: PINTO BASIN ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
32.534	32.574	PULLOUT	LEFT	
32.534	32.577	CURB-AND-GUTTER	LEFT	
32.608	32.649	PULLOUT	RIGHT	
32.609	32.651	CURB-AND-GUTTER	RIGHT	
32.671	32.671	MILE MARKER	RIGHT	
32.696	32.793	LOW WATER CROSSING	N/A	
32.992	33.088	LOW WATER CROSSING	N/A	
33.257	33.314	PULLOUT	RIGHT	
33.259	33.259	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
33.259	33.259	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
33.267	33.307	CURB-AND-GUTTER	RIGHT	
33.301	33.301	SIGN	RIGHT	GUIDE, COTTONWOOD 3.5 MI
33.656	33.656	MILE MARKER	RIGHT	
33.697	33.697	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
33.813	33.865	PULLOUT	RIGHT	
33.814	33.866	CURB-AND-GUTTER	RIGHT	
33.815	33.866	PULLOUT	LEFT	
33.816	33.866	CURB-AND-GUTTER	LEFT	
33.980	33.980	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
34.102	34.102	SIGN	RIGHT	WARNING, 35 M.P.H.
34.102	34.102	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
34.666	34.666	MILE MARKER	RIGHT	
34.708	34.761	CURB-AND-GUTTER	RIGHT	
34.710	34.759	PULLOUT	RIGHT	
34.804	34.857	CURB-AND-GUTTER	LEFT	
34.805	34.855	PULLOUT	LEFT	
35.093	35.093	SIGN	RIGHT	REGULATORY, ROAD SUBJECT TO FLASH FLOOD
35.368	35.373	CURB-AND-GUTTER	LEFT	
35.379	35.379	INTERSECTION	LEFT	ROUTE 0909 (BAJADA ALL TRAIL PARKING)
35.388	35.424	CURB-AND-GUTTER	LEFT	

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: PINTO BASIN ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
35.428	35.428	INTERSECTION	LEFT	ROUTE 0909 (BAJADA ALL TRAIL PARKING)
35.438	35.442	CURB-AND-GUTTER	LEFT	
35.467	35.467	SIGN	RIGHT	GUIDE, DRIVE SAFELY
35.598	35.598	SIGN	RIGHT	GUIDE, KEEP PARK WILDLIFE WILD DO NOT FEED THE ANIMALS
35.645	35.645	SIGN	RIGHT	GUIDE, VEGETATION GATHERING PROHIBITED
35.699	35.699	SIGN	RIGHT	GUIDE, FIRES AND CAMPING IN DESIGNATED SITES ONLY
35.747	35.747	SIGN	RIGHT	GUIDE, DRIVING OFF ESTABLISHED ROADS PROHIBITED
35.792	35.792	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
35.803	35.803	GATE	N/A	
35.804	35.804	SIGN	RIGHT	GUIDE, ENTERING JOSHUA TREE NATIONAL PARK UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE
35.804	35.804	SIGN	RIGHT	GUIDE, LEAVING JOSHUA TREE NATIONAL PARK
35.820	35.820	SIGN	RIGHT	GUIDE, COTTONWOOD SPRING
35.820	35.820	INTERSECTION	N/A	ROUTE 5003 (COTTONWOOD ROAD (SR 195))
35.820	35.820	PARK BOUNDARY	N/A	SOUTH PARK BOUNDARY
35.820	35.820	ROUTE END	N/A	TO SOUTH PARK BOUNDARY

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM 29 PALMS ENTRANCE/END OF ROUTE 5004 (UTAH TRAIL)
0.000	0.000	PARK BOUNDARY	N/A	NORTH PARK BOUNDARY
0.000	0.000	INTERSECTION	N/A	ROUTE 5004 (UTAH TRAIL)
0.003	0.375	CURB	LEFT	
0.003	0.760	CURB	RIGHT	
0.111	0.111	SIGN	RIGHT	REGULATORY, BIKE LANE
0.368	0.368	SIGN	RIGHT	REGULATORY, BIKE LANE
0.384	0.384	SIGN	RIGHT	GUIDE, UNDERHILL
0.384	0.384	SIGN	LEFT	GUIDE, UNDERHILL
0.386	0.386	INTERSECTION	LEFT	PAVED ROUTE (UNDERHILL ROAD)
0.387	0.864	CURB	LEFT	
0.434	0.434	SIGN	RIGHT	REGULATORY, BIKE LANE
0.762	0.835	CURB	RIGHT	
0.836	0.891	CURB	RIGHT	
0.857	0.857	SIGN	RIGHT	REGULATORY, BIKE LANE
0.870	0.870	SIGN	LEFT	GUIDE, WELLOCK
0.870	0.870	SIGN	RIGHT	GUIDE, WELLOCK
0.873	0.873	INTERSECTION	LEFT	PAVED ROUTE (WELLOCK ROAD)
0.874	1.123	CURB	LEFT	
0.893	0.949	CURB	RIGHT	
0.951	1.268	CURB	RIGHT	
1.116	1.116	SIGN	RIGHT	REGULATORY, BIKE LANE
1.123	1.123	INTERSECTION	LEFT	PAVED ROUTE (HILLVIEW ROAD)
1.123	1.123	SIGN	LEFT	GUIDE, HILL VIEW
1.123	1.123	SIGN	RIGHT	GUIDE, HILL VIEW
1.127	1.127	SIGN	LEFT	GUIDE, PRIVATE PROPERTY
1.127	1.881	CURB	LEFT	
1.270	1.490	CURB	RIGHT	
1.370	1.370	SIGN	RIGHT	REGULATORY, BIKE LANE

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.381	1.381	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
1.492	1.792	CURB	RIGHT	
1.712	1.712	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.773	1.773	SIGN	RIGHT	REGULATORY, WELCOME TO TWENTYNINE PALMS AN OASIS OF MURALS
1.773	1.773	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
1.779	1.779	SIGN	RIGHT	GUIDE, PAY ENTRANCE FEE AHEAD
1.794	1.794	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.794	1.855	CURB	RIGHT	
1.843	1.843	SIGN	RIGHT	REGULATORY, BIKE LANE
1.843	1.843	SIGN	RIGHT	REGULATORY, BEGIN
1.881	1.881	SIGN	RIGHT	GUIDE, ENTERING JOSHUA TREE NATIONAL PARK UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE
1.882	1.882	SIGN	RIGHT	GUIDE, LEAVING JOSHUA TREE NATIONAL PARK
1.955	1.957	CURB	RIGHT	
1.955	1.973	CURB	LEFT	
1.959	1.965	CURB	RIGHT	
1.960	1.960	SIGN	LEFT	GUIDE, ENTRANCE FEES PASSES
1.961	1.961	SIGN	RIGHT	REGULATORY, STOP
1.963	1.963	SIGN	RIGHT	REGULATORY, STOP
1.975	1.975	INTERSECTION	RIGHT	ROUTE 0919 (NORTH ENTRANCE CONTACT STATION PARKING)
1.980	1.980	SIGN	RIGHT	GUIDE, JOSHUA TREE NATIONAL PARK TODAY'S AIR QUALITY TODAY'S FIRE DANGER
2.001	2.001	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.019	2.019	SIGN	LEFT	WARNING, DRIVE SAFELY
2.019	2.019	SIGN	RIGHT	WARNING, DRIVE SAFELY
2.020	2.020	GATE	N/A	
2.020	2.020	SIGN	N/A	REGULATORY, STOP
2.092	2.092	SIGN	RIGHT	GUIDE, DRIVING OFF ESTABLISHED ROADS PROHIBITED
2.107	2.107	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.204	2.204	SIGN	RIGHT	GUIDE, GATHERING VEGETATION FOR ANY PURPOSE PROHIBITED
2.296	2.296	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
2.323	2.323	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
2.362	2.362	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.386	2.386	SIGN	RIGHT	GUIDE, FIRES & CAMPING IN DESIGNATED SITES ONLY
2.408	2.408	INTERSECTION	LEFT	ROUTE 0110 (NORTH ENTRANCE BACKCOUNTRY BOARD ROAD)
2.408	2.408	INTERSECTION	RIGHT	UNPAVED PARKING
2.454	2.454	SIGN	RIGHT	GUIDE, KEEP PARK WILDLIFE WILD DO NOT FEED THE ANIMALS
2.521	2.521	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
2.753	2.753	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.874	2.874	MILE MARKER	RIGHT	
2.875	2.875	MILE MARKER	LEFT	
3.135	3.135	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
3.337	3.337	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
3.337	3.337	SIGN	RIGHT	WARNING, 35 M.P.H.
3.537	3.691	CURB	LEFT	
3.888	3.888	MILE MARKER	LEFT	
3.888	3.888	MILE MARKER	RIGHT	
4.144	4.144	SIGN	RIGHT	WARNING, 35 M.P.H.
4.144	4.144	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
4.849	4.849	MILE MARKER	LEFT	
4.849	4.849	MILE MARKER	RIGHT	
4.864	4.864	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
5.065	5.065	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
5.846	5.846	MILE MARKER	RIGHT	
5.846	5.846	MILE MARKER	LEFT	
6.089	6.089	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
6.091	6.091	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
6.341	6.341	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
6.417	6.417	SIGN	RIGHT	WARNING, 25 M.P.H.
6.417	6.417	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
6.418	6.464	PULLOUT	LEFT	
6.426	6.457	CURB-AND-GUTTER	LEFT	
6.471	6.471	SIGN	RIGHT	GUIDE, KEYS VIEW COTTONWOOD INTERSTATE 10
6.508	6.508	SIGN	RIGHT	REGULATORY, LEFT LANE MUST TURN LEFT
6.522	6.522	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
6.547	6.547	INTERSECTION	LEFT	ROUTE 0011 (PINTO BASIN ROAD)
6.573	6.573	SIGN	RIGHT	GUIDE, JUMBO ROCKS 4 MI. 6 KM. HIDDEN VALLEY 12 MI. 19 KM. JOSHUA TREE 26 MI. 42 KM.
6.579	6.579	SIGN	RIGHT	REGULATORY, RIGHT LANE MUST TURN RIGHT
6.611	6.611	SIGN	RIGHT	GUIDE, 29 PALMS COTTONWOOD INTERSTATE 10
6.642	6.676	PULLOUT	LEFT	
6.650	6.671	CURB-AND-GUTTER	LEFT	
6.680	6.728	LOW WATER CROSSING	N/A	
6.773	6.773	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
6.774	6.774	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
6.774	6.774	SIGN	RIGHT	WARNING, 25 M.P.H.
6.837	6.837	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
6.839	6.839	MILE MARKER	RIGHT	
6.959	6.999	PULLOUT	RIGHT	
6.967	6.988	CURB	RIGHT	
7.538	7.578	PULLOUT	RIGHT	
7.543	7.571	CURB	RIGHT	
7.583	7.621	PULLOUT	LEFT	
7.588	7.618	CURB	LEFT	
7.830	7.830	MILE MARKER	RIGHT	
8.149	8.189	PULLOUT	LEFT	
8.159	8.180	CURB-AND-GUTTER	LEFT	

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
8.540	8.574	PULLOUT	RIGHT	
8.546	8.565	CURB-AND-GUTTER	RIGHT	
8.595	8.640	PULLOUT	LEFT	
8.609	8.631	CURB-AND-GUTTER	LEFT	
8.657	8.657	SIGN	RIGHT	GUIDE, 500 FT
8.736	8.736	SIGN	RIGHT	GUIDE, SPLIT ROCK LIVE OAK
8.763	8.763	INTERSECTION	LEFT	ROUTE 0201 (LIVE OAK PICNIC AREA ROAD)
8.763	8.763	INTERSECTION	RIGHT	ROUTE 0200 (SPLIT ROCK PICNIC AREA ROAD)
8.787	8.787	SIGN	RIGHT	GUIDE, LIVE OAK SPLIT ROCK
8.824	8.824	MILE MARKER	RIGHT	
8.856	8.856	SIGN	RIGHT	GUIDE, 500 FT
9.007	9.007	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
9.061	9.061	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
9.062	9.062	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
9.084	9.123	PULLOUT	RIGHT	
9.090	9.116	CURB-AND-GUTTER	RIGHT	
9.160	9.223	LOW WATER CROSSING	N/A	
9.216	9.216	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
9.302	9.302	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
9.302	9.302	SIGN	RIGHT	GUIDE, SKULL ROCK
9.361	9.361	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
9.392	9.392	SIGN	LEFT	GUIDE, SKULL ROCK
9.392	9.392	SIGN	RIGHT	GUIDE, SKULL ROCK
9.392	9.443	PULLOUT	LEFT	
9.393	9.443	PULLOUT	RIGHT	
9.396	9.434	CURB-AND-GUTTER	LEFT	
9.397	9.436	CURB-AND-GUTTER	RIGHT	
9.467	9.467	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
9.522	9.522	SIGN	RIGHT	GUIDE, SKULL ROCK
9.729	9.729	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35

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ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
9.730	9.730	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
9.816	9.816	MILE MARKER	RIGHT	
9.935	9.935	SIGN	RIGHT	GUIDE, 500 FT
9.999	9.999	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.045	10.045	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
10.052	10.052	SIGN	LEFT	GUIDE, JUMBO ROCK
10.052	10.052	SIGN	RIGHT	GUIDE, JUMBO ROCK
10.102	10.102	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.138	10.138	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.144	10.144	SIGN	RIGHT	GUIDE, 500 FT
10.202	10.202	SIGN	RIGHT	GUIDE, KEYS VIEW 13 MI. 21 KM. JOSHUA TREE 23 MI. 31 KM.
10.456	10.456	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
10.502	10.502	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
10.505	10.505	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
10.812	10.812	MILE MARKER	RIGHT	
11.017	11.017	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
11.102	11.141	PULLOUT	LEFT	
11.111	11.132	CURB-AND-GUTTER	LEFT	
11.237	11.237	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
11.334	11.334	SIGN	RIGHT	GUIDE, COTTONWOOD 35 MI 29 PALMS 12 MI
11.446	11.494	PULLOUT	RIGHT	
11.453	11.484	CURB-AND-GUTTER	RIGHT	
11.484	11.484	SIGN	RIGHT	GUIDE, GEOLOGY TOUR RD. DESERT QUEEN MINE
11.521	11.643	CURB	RIGHT	
11.522	11.644	CURB	LEFT	
11.647	11.647	INTERSECTION	LEFT	ROUTE 0300 (GEOLOGY TOUR ROAD)
11.647	11.647	INTERSECTION	RIGHT	ROUTE 0100 (QUEENS VALLEY CONNECTOR)
11.655	12.358	CURB	RIGHT	
11.655	14.145	CURB	LEFT	
11.794	11.794	MILE MARKER	RIGHT	

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ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
11.804	11.804	SIGN	RIGHT	GUIDE, GEOLOGY TOUR RD. DESERT QUEEN MINE
11.905	11.905	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
11.906	11.906	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
12.179	12.217	PULLOUT	RIGHT	
12.324	12.324	SIGN	RIGHT	GUIDE, BIG HORN PASS ROAD
12.362	12.362	INTERSECTION	RIGHT	ROUTE 0105 (BIG HORN PASS ROAD)
12.369	13.644	CURB	RIGHT	
12.407	12.407	SIGN	RIGHT	GUIDE, BIG HORN PASS ROAD
12.538	12.588	PULLOUT	RIGHT	
12.576	12.620	PULLOUT	LEFT	
12.785	12.785	MILE MARKER	RIGHT	
12.876	12.916	PULLOUT	RIGHT	
13.397	13.448	PULLOUT	RIGHT	
13.547	13.547	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
13.548	13.548	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
13.585	13.585	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
13.647	13.647	INTERSECTION	RIGHT	ROUTE 0401 (SHEEP PASS BORROW PIT ROAD)
13.653	15.421	CURB	RIGHT	
13.710	13.710	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
13.785	13.785	MILE MARKER	RIGHT	
13.855	13.899	PULLOUT	RIGHT	
13.885	13.936	PULLOUT	LEFT	
13.899	13.899	SIGN	RIGHT	WARNING, 35 M.P.H.
13.899	13.899	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
14.111	14.111	SIGN	RIGHT	GUIDE, SHEEP PASS CAMPGROUND
14.150	14.150	INTERSECTION	LEFT	ROUTE 0211 (SHEEP PASS CAMPGROUND ENTRANCE ROAD)
14.153	14.780	CURB	LEFT	
14.186	14.186	SIGN	RIGHT	GUIDE, SHEEP PASS CAMPGROUND
14.279	14.315	PULLOUT	LEFT	
14.749	14.749	SIGN	RIGHT	GUIDE, RYAN MT. TRAILHEAD

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ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
14.781	14.781	MILE MARKER	RIGHT	
14.784	14.784	INTERSECTION	LEFT	ROUTE 0912 (RYAN MOUNTAIN TRAILHEAD PARKING)
14.790	14.885	CURB	LEFT	
14.888	14.888	INTERSECTION	LEFT	ROUTE 0912 (RYAN MOUNTAIN TRAILHEAD PARKING)
14.895	15.954	CURB	LEFT	
14.930	14.930	SIGN	RIGHT	GUIDE, RYAN MT. TRAILHEAD
14.974	14.974	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
15.237	15.237	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
15.318	15.318	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
15.318	15.318	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
15.362	15.362	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
15.423	15.423	INTERSECTION	RIGHT	ROUTE 0959 (HALL OF HORRORS PARKING)
15.430	15.480	CURB	RIGHT	
15.484	15.484	INTERSECTION	RIGHT	ROUTE 0959 (HALL OF HORRORS PARKING)
15.491	17.103	CURB	RIGHT	
15.524	15.524	SIGN	RIGHT	GUIDE, HALL OF HORRORS
15.550	15.550	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
15.776	15.776	MILE MARKER	RIGHT	
15.921	15.921	SIGN	RIGHT	GUIDE, OYSTER BAR
15.957	15.957	INTERSECTION	LEFT	ROUTE 0911 (OYSTER BAR TRAILHEAD PARKING)
15.964	16.014	CURB	LEFT	
16.020	16.020	INTERSECTION	LEFT	ROUTE 0911 (OYSTER BAR TRAILHEAD PARKING)
16.022	16.294	CURB	LEFT	
16.058	16.058	SIGN	RIGHT	GUIDE, OYSTER BAR
16.068	16.068	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
16.068	16.068	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
16.228	16.228	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
16.254	16.254	SIGN	RIGHT	GUIDE, RYAN RANCH PARKING
16.326	16.326	INTERSECTION	LEFT	ROUTE 0958 (RYAN RANCH PARKING)
16.330	16.330	SIGN	RIGHT	GUIDE, 500 FT

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
16.352	16.352	SIGN	RIGHT	GUIDE, RYAN CAMPGROUND
16.362	16.362	SIGN	LEFT	GUIDE, RYAN RANCH PARKING
16.368	16.385	CURB	LEFT	
16.375	16.375	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
16.388	16.388	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
16.388	16.388	INTERSECTION	LEFT	ROUTE 0209 (RYAN CAMPGROUND ROAD ENTRANCE ROAD)
16.394	16.925	CURB	LEFT	
16.426	16.426	SIGN	RIGHT	GUIDE, RYAN CAMPGROUND
16.476	16.476	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
16.476	16.476	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
16.492	16.492	SIGN	RIGHT	GUIDE, 500 FT
16.589	16.589	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
16.744	16.744	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
16.761	16.761	MILE MARKER	RIGHT	
16.783	16.821	PULLOUT	LEFT	
16.834	16.834	SIGN	RIGHT	GUIDE, KEYS VIEW ROAD
16.927	16.927	INTERSECTION	LEFT	ROUTE 0013 (KEY'S VIEW ROAD)
16.936	17.110	CURB	LEFT	
16.993	16.993	SIGN	RIGHT	REGULATORY, RIGHT LANE MUST TURN RIGHT
17.018	17.018	SIGN	RIGHT	GUIDE, KEYS VIEW ROAD
17.074	17.074	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
17.114	17.114	INTERSECTION	LEFT	ROUTE 0920 (MOJAVE PLANTS PARKING)
17.117	17.126	CURB	LEFT	
17.154	17.162	CURB	LEFT	
17.166	17.166	INTERSECTION	LEFT	ROUTE 0920 (MOJAVE PLANTS PARKING)
17.169	17.175	CURB	LEFT	
17.263	17.297	PULLOUT	RIGHT	
17.267	17.292	CURB	RIGHT	
17.297	17.297	INTERSECTION	LEFT	UNPAVED ROUTE
17.351	17.351	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35

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ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
17.353	17.353	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
17.414	17.447	PULLOUT	LEFT	
17.418	17.443	CURB	LEFT	
17.675	17.710	PULLOUT	RIGHT	
17.680	17.706	CURB	RIGHT	
17.753	17.753	MILE MARKER	RIGHT	
17.937	17.976	PULLOUT	LEFT	
17.941	17.968	CURB	LEFT	
17.963	17.963	SIGN	RIGHT	WARNING, DIP
18.133	18.133	SIGN	RIGHT	WARNING, DIP
18.171	18.210	PULLOUT	RIGHT	
18.177	18.205	CURB	RIGHT	
18.257	18.257	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
18.279	18.279	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.315	18.315	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
18.333	18.333	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
18.335	18.368	PULLOUT	LEFT	
18.339	18.368	CURB	LEFT	
18.415	18.509	CURB	RIGHT	
18.415	19.670	CURB	LEFT	
18.428	18.428	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.441	18.441	SIGN	RIGHT	GUIDE, HIDDEN VALLEY CAMPGROUND KEYS RANCH BARKER DAM
18.441	18.441	SIGN	RIGHT	GUIDE, RANCH TOURS
18.453	18.453	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.514	18.514	INTERSECTION	RIGHT	ROUTE 0101 (BARKER DAM ROAD)
18.518	18.637	CURB	RIGHT	
18.543	18.543	SIGN	RIGHT	GUIDE, RANCH TOURS
18.543	18.543	SIGN	RIGHT	GUIDE, HIDDEN VALLEY CAMPGROUND KEYS RANCH BARKER DAM
18.571	18.571	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

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ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
18.579	18.579	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
18.579	18.579	SIGN	RIGHT	GUIDE, HIDDEN VALLEY PICNIC AREA INTERSECTION ROCK
18.579	18.579	SIGN	RIGHT	REGULATORY, EMERGENCY PHONE USE PHONE TO CALL RANGER
18.580	18.630	PULLOUT	LEFT	
18.592	18.592	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.643	18.643	INTERSECTION	RIGHT	ROUTE 0922 (INTERSECTION ROCK PARKING)
18.643	18.643	INTERSECTION	LEFT	ROUTE 0918 (HIDDEN VALLEY PICNIC PARKING)
18.647	19.718	CURB	RIGHT	
18.649	19.606	CURB	LEFT	
18.681	18.681	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.693	18.693	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
18.693	18.693	SIGN	RIGHT	GUIDE, HIDDEN VALLEY PICNIC AREA INTERSECTION ROCK
18.693	18.693	SIGN	RIGHT	REGULATORY, EMERGENCY PHONE
18.705	18.705	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.728	18.728	MILE MARKER	RIGHT	
18.855	18.855	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
18.876	18.876	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
18.878	18.878	SIGN	RIGHT	GUIDE, RESTORATION AREA PLEASE STAY OFF
18.952	19.016	PULLOUT	RIGHT	
18.952	19.018	PULLOUT	LEFT	
19.031	19.031	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
19.230	19.230	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
19.231	19.231	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
19.334	19.405	PULLOUT	LEFT	
19.580	19.580	SIGN	RIGHT	GUIDE, HEMINGWAY
19.611	19.611	INTERSECTION	LEFT	ROUTE 0921 (HEMMINGWAYS PARKING)
19.618	19.670	CURB	LEFT	
19.671	19.671	INTERSECTION	LEFT	ROUTE 0921 (HEMMINGWAYS PARKING)
19.677	19.718	CURB	LEFT	
19.680	19.680	SIGN	RIGHT	WARNING, LOW WATER XING

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ROUTE 0012: EAST-WEST HIGHWAY

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19.707	19.707	SIGN	RIGHT	GUIDE, HEMINGWAY
19.720	19.733	LOW WATER CROSSING	N/A	
19.734	19.989	CURB	RIGHT	
19.735	19.735	MILE MARKER	RIGHT	
19.735	19.991	CURB	LEFT	
19.769	19.769	SIGN	RIGHT	WARNING, LOW WATER XING
19.773	19.815	PULLOUT	RIGHT	
19.774	19.815	PULLOUT	LEFT	
19.989	19.989	INTERSECTION	RIGHT	UNPAVED ROUTE
19.992	19.992	INTERSECTION	LEFT	ROUTE 0102 (LOST HORSE RANGER STATION ROAD)
19.994	20.167	CURB	RIGHT	
19.998	20.168	CURB	LEFT	
20.114	20.154	PULLOUT	LEFT	
20.206	20.206	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
20.275	20.314	PULLOUT	RIGHT	
20.279	20.306	CURB	RIGHT	
20.314	20.348	PULLOUT	LEFT	
20.319	20.345	CURB	LEFT	
20.400	20.400	SIGN	RIGHT	WARNING, LOW WATER XING
20.433	20.575	LOW WATER CROSSING	N/A	
20.481	20.481	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
20.481	20.481	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
20.593	20.928	CURB	RIGHT	
20.593	21.082	CURB	LEFT	
20.615	20.615	SIGN	RIGHT	WARNING, LOW WATER XING
20.727	20.727	MILE MARKER	RIGHT	
20.736	20.778	PULLOUT	LEFT	
20.769	20.769	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
20.888	20.888	SIGN	RIGHT	GUIDE, BOY SCOUT TRAILHEAD
20.931	20.931	INTERSECTION	RIGHT	ROUTE 0949 (BOY SCOUT BACKCOUNTRY BOARD PARKING)

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20.936	21.082	CURB	RIGHT	
20.970	20.970	SIGN	RIGHT	GUIDE, BOY SCOUT TRAILHEAD
21.057	21.057	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
21.163	21.205	PULLOUT	LEFT	
21.168	21.198	CURB	LEFT	
21.182	21.220	PULLOUT	RIGHT	
21.187	21.216	CURB	RIGHT	
21.264	21.264	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
21.264	21.264	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
21.380	21.380	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
21.427	21.427	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
21.439	21.439	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
21.502	21.502	SIGN	RIGHT	GUIDE, QUAIL SPRINGS
21.506	21.506	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
21.536	21.545	CURB	LEFT	
21.546	21.546	INTERSECTION	LEFT	ROUTE 0913 (QUAIL SPRINGS PARKING AREA)
21.554	21.561	CURB	LEFT	
21.593	21.593	INTERSECTION	LEFT	ROUTE 0913 (QUAIL SPRINGS PARKING AREA)
21.629	21.629	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
21.636	21.636	SIGN	RIGHT	GUIDE, QUAIL SPRINGS
21.668	21.668	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
21.671	21.671	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
21.690	21.690	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
21.714	21.714	MILE MARKER	RIGHT	
21.875	21.875	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
21.887	21.887	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
22.259	22.259	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
22.317	22.317	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
22.319	22.319	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
22.393	22.393	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD

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ROUTE 0012: EAST-WEST HIGHWAY

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22.655	22.655	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
22.703	22.703	MILE MARKER	RIGHT	
23.061	23.061	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
23.325	23.325	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
23.361	23.361	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
23.450	23.503	PULLOUT	RIGHT	
23.451	23.503	CURB-AND-GUTTER	RIGHT	
23.633	23.633	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
23.705	23.705	MILE MARKER	RIGHT	
23.818	23.818	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
24.000	24.000	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
24.135	24.135	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
24.366	24.366	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
24.392	24.392	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
24.392	24.392	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
24.406	24.406	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
24.606	24.606	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
24.692	24.692	MILE MARKER	RIGHT	
24.702	24.702	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
24.935	24.935	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
24.959	24.959	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
25.053	25.053	INTERSECTION	LEFT	ROUTE 0957 (BARREN OR BOUNTIFUL PARKING)
25.139	25.139	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
25.153	25.153	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD
25.162	25.162	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
25.247	25.247	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
25.524	26.233	PAVED DITCH	LEFT	
25.524	25.524	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
25.668	25.668	MILE MARKER	RIGHT	
25.988	25.988	SIGN	RIGHT	WARNING, 35 M.P.H.

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
25.988	25.988	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
26.420	26.420	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
26.591	26.591	SIGN	RIGHT	WARNING, 35 M.P.H.
26.591	26.591	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
26.690	26.690	MILE MARKER	RIGHT	
26.991	26.991	SIGN	RIGHT	GUIDE, KEEP PARK WILDLIFE WILD DO NOT FEED THE ANIMALS
27.165	27.165	SIGN	RIGHT	GUIDE, FIRES & CAMPING IN DESIGNATED SITES ONLY
27.258	27.258	SIGN	RIGHT	GUIDE, VEGETATION GATHERING PROHIBITED
27.328	27.328	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
27.337	27.337	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
27.340	27.340	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
27.367	27.367	SIGN	RIGHT	GUIDE, DRIVING OFF ESTABLISHED ROAD PROHIBITED
27.386	27.386	SIGN	LEFT	WARNING, DRIVE SAFELY
27.386	27.386	SIGN	RIGHT	WARNING, DRIVE SAFELY
27.402	27.402	GATE	N/A	
27.402	27.402	SIGN	N/A	REGULATORY, STOP
27.406	27.406	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
27.420	27.420	SIGN	RIGHT	GUIDE, JOSHUA TREE NATIONAL PARK TODAY'S AIR QUALITY MODERATE TODAY'S FIRE DANGER EXTREME
27.451	27.451	INTERSECTION	LEFT	ROUTE 0914 (WEST ENTRANCE STATION)
27.453	27.475	CURB	LEFT	
27.464	27.464	SIGN	RIGHT	REGULATORY, STOP
27.465	27.465	SIGN	RIGHT	REGULATORY, STOP
27.467	27.467	SIGN	LEFT	GUIDE, ENTRANCE FEES
27.477	27.492	CURB	LEFT	
27.492	27.510	CURB	LEFT	
27.506	27.506	SIGN	RIGHT	GUIDE, LEAVING JOSHUA TREE NATIONAL PARK
27.507	27.507	SIGN	RIGHT	GUIDE, ENTERING JOSHUA TREE NATIONAL PARK UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE
27.510	27.510	FIRE HYDRANT	LEFT	

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: EAST-WEST HIGHWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
27.510	27.510	INTERSECTION	N/A	PAVED ROUTE (QUAIL SPRINGS ROAD)
27.510	27.510	PARK BOUNDARY	N/A	WEST PARK BOUNDARY
27.510	27.510	ROUTE END	N/A	TO JOSHUA TREE ENTRANCE/QUAIL SPRINGS ROAD

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: KEY'S VIEW ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 16.93 (ON LEFT)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0012 (EAST-WEST HIGHWAY)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0012 (EAST-WEST HIGHWAY)
0.005	0.199	CURB	LEFT	
0.007	1.080	CURB	RIGHT	
0.010	0.010	SIGN	RIGHT	REGULATORY, STOP
0.022	0.064	PULLOUT	LEFT	
0.024	0.067	PULLOUT	RIGHT	
0.079	0.079	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.122	0.122	SIGN	RIGHT	WARNING, ROAD NARROWS
0.175	0.175	SIGN	RIGHT	WARNING, BUSES RVS TRAILERS NOT ADVISED TO KEYS VIEW
0.176	0.176	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.198	0.198	SIGN	RIGHT	GUIDE, CAP ROCK RV & BUS TURNAROUND
0.203	0.203	INTERSECTION	LEFT	ROUTE 0953 (CAP ROCK PARKING)
0.210	0.245	CURB	LEFT	
0.234	0.234	SIGN	RIGHT	WARNING, DRIVE SAFELY
0.235	0.235	SIGN	LEFT	WARNING, DRIVE SAFELY
0.249	0.249	INTERSECTION	LEFT	ROUTE 0953 (CAP ROCK PARKING)
0.255	2.447	CURB	LEFT	
0.264	0.264	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
0.267	0.267	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.268	0.268	GATE	N/A	
0.268	0.268	SIGN	N/A	REGULATORY, ROAD CLOSED
0.268	0.268	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
0.268	0.268	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
0.268	0.268	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.271	0.271	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
0.461	0.461	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.505	0.505	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD 300 FEET

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: KEY'S VIEW ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.562	0.585	PULLOUT	RIGHT	
0.668	0.668	SIGN	RIGHT	REGULATORY, DRIVE WITH CARE
0.951	0.951	SIGN	RIGHT	WARNING, 300 FT
0.951	0.951	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.014	1.014	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.018	1.018	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.050	1.050	SIGN	RIGHT	GUIDE, JUNIPER FLATS
1.080	1.080	SIGN	RIGHT	WARNING, 300 FT
1.080	1.080	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.086	1.086	INTERSECTION	RIGHT	ROUTE 0404 (JUNIPER FLATS ROAD)
1.091	5.492	CURB	RIGHT	
1.103	1.103	SIGN	RIGHT	GUIDE, LOST HORSE VALLEY ELEV. 4384
1.104	1.104	SIGN	RIGHT	GUIDE, LOST HORSE VALLEY ELEV. 4384
1.131	1.131	SIGN	RIGHT	GUIDE, JUNIPER FLATS
1.387	1.408	PULLOUT	LEFT	
1.470	1.470	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD 300 FEET
1.704	1.727	PULLOUT	RIGHT	
1.999	1.999	SIGN	RIGHT	WARNING, 30 MPH
1.999	1.999	SIGN	RIGHT	WARNING, DIP
2.068	2.068	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.111	2.111	SIGN	RIGHT	WARNING, 30 MPH
2.111	2.111	SIGN	RIGHT	WARNING, DIP
2.219	2.219	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.419	2.419	SIGN	RIGHT	GUIDE, LOST HORSE MINE ROAD
2.450	2.450	INTERSECTION	LEFT	ROUTE 0106 (LOST HORSE MINE ROAD)
2.454	5.166	CURB	LEFT	
2.485	2.485	SIGN	RIGHT	GUIDE, LOST HORSE MINE ROAD
2.501	2.524	PULLOUT	RIGHT	
2.529	2.529	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
2.532	2.532	SIGN	N/A	REGULATORY, ROAD CLOSED

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: KEY'S VIEW ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.532	2.532	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
2.532	2.532	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
2.532	2.532	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.532	2.532	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.532	2.532	GATE	N/A	
2.536	2.536	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
3.214	3.236	PULLOUT	LEFT	
4.328	4.348	PULLOUT	LEFT	
4.382	4.382	SIGN	RIGHT	WARNING, 30 MPH SPEED ZONE AHEAD
4.396	4.396	SIGN	RIGHT	GUIDE, EXHIBIT AHEAD 300 FEET
4.412	4.412	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
4.412	4.412	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
4.431	4.431	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
4.708	4.708	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
4.834	4.834	INTERSECTION	LEFT	UNPAVED ROUTE
5.088	5.088	SIGN	RIGHT	WARNING, 300 FT
5.088	5.088	SIGN	RIGHT	WARNING, HANDICAP PARKING ON LEFT
5.098	5.098	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
5.098	5.098	SIGN	RIGHT	WARNING, 25 MPH
5.102	5.102	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
5.174	5.174	INTERSECTION	LEFT	ROUTE 0961 (KEYS VIEW HANDICAPPED PARKING)
5.187	5.499	CURB	LEFT	
5.260	5.260	SIGN	RIGHT	WARNING, 300 FT
5.260	5.260	SIGN	RIGHT	WARNING, HANDICAP PARKING ON RIGHT
5.495	5.495	INTERSECTION	RIGHT	ROUTE 0915A (KEYS VIEW PARKING A)
5.498	5.498	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
5.498	5.498	SIGN	RIGHT	WARNING, USE LOW GEAR
5.500	5.500	INTERSECTION	LEFT	ROUTE 0915B (KEYS VIEW PARKING B)
5.500	5.500	SIGN	LEFT	REGULATORY, ONE WAY
5.500	5.500	SIGN	LEFT	REGULATORY, DO NOT ENTER

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: KEY'S VIEW ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
5.500	5.500	INTERSECTION	N/A	ROUTE 0915B (KEYS VIEW PARKING B)
5.500	5.500	ROUTE END	N/A	TO ROUTE 0915

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0101: BARKER DAM ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 18.51 (ON RIGHT)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0012 (EAST-WEST HIGHWAY)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0012 (EAST-WEST HIGHWAY)
0.000	0.000	SIGN	N/A	GUIDE, 29 PALMS 22 MILES JOSHUA TREE 14 MILES
0.002	0.002	SIGN	RIGHT	REGULATORY, STOP
0.004	0.071	CURB	LEFT	
0.010	1.506	CURB	RIGHT	
0.013	0.013	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.016	0.060	PULLOUT	LEFT	
0.037	0.037	SIGN	RIGHT	GUIDE, BARKER DAM KEYS RANCH HIDDEN VALLEY CAMPGROUND
0.037	0.037	SIGN	RIGHT	GUIDE, RANCH TOURS AHEAD
0.074	0.074	INTERSECTION	LEFT	ROUTE 0207 (HIDDEN VALLEY CAMPGROUND ENTRANCE ROAD)
0.081	0.668	CURB	LEFT	
0.102	0.170	PULLOUT	RIGHT	
0.118	0.118	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.121	0.121	SIGN	RIGHT	GUIDE, PARK BOULEVARD HIDDEN VALLEY CAMPGROUND
0.131	0.131	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.145	0.145	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.171	0.171	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.172	0.172	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.395	0.437	PULLOUT	LEFT	
0.397	0.437	PULLOUT	RIGHT	
0.548	0.548	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.627	0.627	SIGN	RIGHT	GUIDE, BARKER DAM KEYS RANCH WONDERLAND OF ROCKS
0.627	0.627	SIGN	RIGHT	GUIDE, RANCH TOURS
0.673	0.673	INTERSECTION	LEFT	ROUTE 0405 (KEYS RANCH ROAD)
0.676	1.510	CURB	LEFT	
0.756	0.756	SIGN	RIGHT	GUIDE, RANCH TOURS

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0101: BARKER DAM ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.756	0.756	SIGN	RIGHT	GUIDE, HIDDEN VALLEY KEYS RANCH WONDERLAND OF ROCKS
0.789	0.789	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.852	0.893	PULLOUT	LEFT	
1.127	1.171	PULLOUT	LEFT	
1.128	1.171	PULLOUT	RIGHT	
1.189	1.233	PULLOUT	RIGHT	
1.277	1.317	PULLOUT	RIGHT	
1.486	1.486	SIGN	RIGHT	GUIDE, BARKER DAM WALL STREET MILL QUEEN VALLEY ROAD
1.507	1.507	INTERSECTION	RIGHT	ROUTE 0105 (BIG HORN PASS ROAD)
1.510	1.510	INTERSECTION	N/A	ROUTE 0923 (BARKER DAM PARKING)
1.510	1.510	ROUTE END	N/A	TO ROUTE 0923

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203AZ: JUMBO ROCKS CAMPGROUND ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 10.05 (ON LEFT)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0012 (EAST-WEST HIGHWAY)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0012 (EAST-WEST HIGHWAY)
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.009	0.025	CURB-AND-GUTTER	RIGHT	
0.014	0.022	CURB-AND-GUTTER	LEFT	
0.016	0.016	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.021	0.021	INTERSECTION	LEFT	ROUTE 0960AZ (JUMBO ROCKS DAY USE PKG)
0.026	0.026	SIGN	RIGHT	REGULATORY, NO PARKING 10 PM - 6 AM
0.029	0.053	CURB-AND-GUTTER	LEFT	
0.048	0.064	CURB-AND-GUTTER	RIGHT	
0.051	0.051	SIGN	RIGHT	GUIDE, DRIVE SAFELY
0.053	0.053	INTERSECTION	LEFT	ROUTE 0960AZ (JUMBO ROCKS DAY USE PKG)
0.057	0.064	CURB-AND-GUTTER	LEFT	
0.063	0.063	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.063	0.063	GATE	N/A	
0.063	0.063	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.064	0.089	CURB	LEFT	
0.067	0.067	SIGN	RIGHT	GUIDE, FIRES AND CAMPING IN DESIGNATED SITES ONLY
0.153	0.153	INTERSECTION	LEFT	ROUTE 0203BZ (JUMBO ROCKS CAMPGROUND LOOP B)
0.156	0.156	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.166	0.166	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.166	0.166	SIGN	LEFT	GUIDE, SITES 118-121
0.176	0.176	INTERSECTION	LEFT	ROUTE 0203BZ (JUMBO ROCKS CAMPGROUND LOOP B)
0.197	0.219	PULLOUT	RIGHT	
0.202	0.202	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.202	0.202	INTERSECTION	LEFT	ROUTE 0203CZ (JUMBO ROCKS CAMPGROUND LOOP C)
0.220	0.220	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.226	0.226	SIGN	LEFT	GUIDE, SITES 111-116

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203AZ: JUMBO ROCKS CAMPGROUND ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.233	0.233	INTERSECTION	LEFT	ROUTE 0203CZ (JUMBO ROCKS CAMPGROUND LOOP C)
0.247	0.247	INTERSECTION	RIGHT	ROUTE 0203DZ (JUMBO ROCKS CAMPGROUND LOOP D)
0.253	0.253	SIGN	RIGHT	GUIDE, SITES 17-24
0.256	0.264	CURB	LEFT	
0.276	0.276	INTERSECTION	RIGHT	ROUTE 0203DZ (JUMBO ROCKS CAMPGROUND LOOP D)
0.279	0.279	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.284	0.284	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.284	0.284	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.284	0.284	GATE	N/A	
0.290	0.290	SIGN	RIGHT	GUIDE, SITES 25-41
0.291	0.291	INTERSECTION	RIGHT	ROUTE 0203EZ (JUMBO ROCKS CAMPGROUND LOOP E)
0.297	0.297	SIGN	RIGHT	GUIDE, AMPHITHEATER
0.319	0.319	INTERSECTION	LEFT	ROUTE 0203FZ (JUMBO ROCKS CAMPGROUND LOOP F)
0.327	0.327	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.363	0.363	SIGN	LEFT	GUIDE, SITES 95-107
0.366	0.366	INTERSECTION	LEFT	ROUTE 0203FZ (JUMBO ROCKS CAMPGROUND LOOP F)
0.379	0.379	SIGN	LEFT	GUIDE, AMPHITHEATER
0.381	0.381	INTERSECTION	RIGHT	ROUTE 0960BZ (SKULL ROCK TRAIL AND AMPHITHEATER PARKING)
0.394	0.394	SIGN	RIGHT	GUIDE, SKULL ROCK TRAIL
0.394	0.394	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.394	0.394	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.394	0.394	SIGN	LEFT	GUIDE, SKULL ROCK TRAIL
0.458	0.458	INTERSECTION	RIGHT	ROUTE 0203EZ (JUMBO ROCKS CAMPGROUND LOOP E)
0.461	0.461	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.520	0.520	INTERSECTION	RIGHT	ROUTE 0203GZ (JUMBO ROCKS CAMPGROUND LOOP G)
0.523	0.523	SIGN	RIGHT	GUIDE, SITES 42-64
0.533	0.567	CURB	LEFT	
0.564	0.564	INTERSECTION	RIGHT	ROUTE 0203GZ (JUMBO ROCKS CAMPGROUND LOOP G)
0.566	0.566	SIGN	RIGHT	REGULATORY, DO NOT ENTER

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203AZ: JUMBO ROCKS CAMPGROUND ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.580	0.580	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.645	0.645	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.654	0.654	SIGN	LEFT	REGULATORY, ONE WAY
0.667	0.667	INTERSECTION	RIGHT	ROUTE 0960CZ (SITES 72 THROUGH 76 PARKING)
0.672	0.672	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.672	0.672	SIGN	RIGHT	GUIDE, SITES 72-76
0.720	0.720	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.720	0.720	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.720	0.720	ROUTE END	N/A	TO END OF LOOP

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203BZ: JUMBO ROCKS CAMPGROUND LOOP B

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0203AZ @ MP .18 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.070	0.070	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.070	0.070	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.070	0.070	ROUTE END	N/A	TO ROUTE 0203AZ @ MP .15 ON LEFT

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203CZ: JUMBO ROCKS CAMPGROUND LOOP C

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0203AZ @ MP .23 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.020	0.029	CURB	LEFT	
0.040	0.040	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.040	0.040	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.040	0.040	ROUTE END	N/A	TO ROUTE 0203AZ @ MP .20 ON LEFT

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203DZ: JUMBO ROCKS CAMPGROUND LOOP D

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0203AZ @ MP .25 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.050	0.050	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.050	0.050	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.050	0.050	ROUTE END	N/A	TO ROUTE 0203AZ @ MP .28 ON RIGHT

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203EZ: JUMBO ROCKS CAMPGROUND LOOP E

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0203AZ @ MP .29 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.077	0.096	CURB	LEFT	
0.177	0.177	SIGN	RIGHT	REGULATORY, STOP
0.180	0.180	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.180	0.180	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.180	0.180	ROUTE END	N/A	TO ROUTE 0203AZ @ MP .46 ON RIGHT

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203FZ: JUMBO ROCKS CAMPGROUND LOOP F

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0203AZ @ MP .37 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.010	0.030	CURB	LEFT	
0.031	0.035	CURB	LEFT	
0.080	0.080	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.080	0.080	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.080	0.080	ROUTE END	N/A	TO ROUTE 0203AZ @ MP .32 ON LEFT

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203GZ: JUMBO ROCKS CAMPGROUND LOOP G

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0203AZ @ MP .52 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.180	0.180	INTERSECTION	RIGHT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.180	0.180	INTERSECTION	LEFT	ROUTE 0203AZ (JUMBO ROCKS CAMPGROUND ROAD)
0.180	0.180	ROUTE END	N/A	TO ROUTE 0203AZ @ MP .56 ON RIGHT

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0204: COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 29.98 (ON LEFT)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (PINTO BASIN ROAD)
0.000	0.000	SIGN	N/A	GUIDE, INTERSTATE 10 7 MI
0.000	0.000	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (PINTO BASIN ROAD)
0.011	0.011	SIGN	RIGHT	GUIDE, PAY FEES 1/2 MI
0.012	0.012	INTERSECTION	LEFT	ROUTE 0904 (COTTONWOOD VISITOR CENTER)
0.026	0.026	FIRE HYDRANT	LEFT	
0.046	0.046	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.227	0.227	SIGN	RIGHT	WARNING, ROAD NARROWS
0.270	0.270	INTERSECTION	LEFT	ROUTE 0406 (COTTONWOOD RESIDENTIAL ROAD)
0.376	0.376	INTERSECTION	RIGHT	ROUTE 0409 (COTTONWOOD WATER TANK ROAD)
0.412	0.451	PULLOUT	RIGHT	
0.460	0.460	INTERSECTION	LEFT	ROUTE 0906 (COTTONWOOD DUMP STATION)
0.463	0.463	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.463	0.463	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.496	0.496	INTERSECTION	LEFT	ROUTE 0906 (COTTONWOOD DUMP STATION)
0.585	0.619	PULLOUT	RIGHT	
0.700	0.700	INTERSECTION	LEFT	ROUTE 0216A (COTTONWOOD CAMPGROUND LOOP A)
0.703	0.703	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.703	0.703	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.703	0.703	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.703	0.703	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.703	0.703	SIGN	RIGHT	GUIDE, COTTONWOOD CAMPGROUND
0.704	0.704	SIGN	LEFT	GUIDE, COTTONWOOD CAMPGROUND
0.793	0.832	PULLOUT	RIGHT	
0.842	0.868	CURB	LEFT	
0.905	0.934	LOW WATER CROSSING	N/A	
0.953	0.953	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0204: COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.953	0.953	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.011	1.055	LOW WATER CROSSING	N/A	
1.113	1.113	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.113	1.113	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
1.140	1.140	INTERSECTION	N/A	ROUTE 0908 (COTTONWOOD SPRINGS OASIS PARKING)
1.140	1.140	ROUTE END	N/A	TO ROUTE 0908

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0205: BELLE CAMPGROUND ROAD

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 1.34 (ON LEFT)
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (PINTO BASIN ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (PINTO BASIN ROAD)
0.016	0.016	SIGN	RIGHT	GUIDE, DRIVE SAFELY
0.020	0.020	GATE	N/A	
0.020	0.020	SIGN	N/A	REGULATORY, STOP
0.035	0.035	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.075	0.075	SIGN	RIGHT	GUIDE, PAY CAMPING FEES HERE 14 - DAY LIMIT
0.091	0.091	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.120	0.120	INTERSECTION	N/A	ROUTE 0205A (BELLE CAMPGROUND LOOP ROAD)
0.120	0.120	ROUTE END	N/A	TO ROUTE 0205A

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0206: WHITE TANK CAMPGROUND ENTRANCE ROAD

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 2.72 (ON LEFT)
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (PINTO BASIN ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (PINTO BASIN ROAD)
0.007	0.007	SIGN	RIGHT	REGULATORY, NO VEHICLE OR COMBINATION OVER 25 FEET
0.011	0.011	GATE	N/A	
0.011	0.011	SIGN	N/A	REGULATORY, STOP
0.022	0.022	SIGN	RIGHT	GUIDE, DRIVE SAFELY
0.033	0.033	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.079	0.079	SIGN	RIGHT	GUIDE, GATHERING VEGETATION PROHIBITED
0.079	0.079	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.108	0.108	SIGN	RIGHT	GUIDE, FIRES AND CAMPING IN DESIGNATED SITES ONLY
0.120	0.120	SIGN	RIGHT	GUIDE, PAY CAMPING FEES HERE 14 - DAY LIMIT
0.140	0.140	INTERSECTION	N/A	ROUTE 0940 (WHITE TANK CAMPGROUND SITES 3-5 PARKING)
0.140	0.140	INTERSECTION	LEFT	ROUTE 0206A (WHITE TANK CAMPGROUND LOOP ROAD)
0.140	0.140	ROUTE END	N/A	TO ROUTE 0206A

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0207: HIDDEN VALLEY CAMPGROUND ENTRANCE ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0101 (BARKER DAM ROAD) AT MP 0.07 (ON LEFT)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0101 (BARKER DAM ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0101 (BARKER DAM ROAD)
0.002	0.002	SIGN	RIGHT	REGULATORY, STOP
0.003	0.120	CURB	RIGHT	
0.006	0.084	CURB	LEFT	
0.009	0.009	GATE	N/A	
0.021	0.021	SIGN	RIGHT	GUIDE, 500 FT
0.025	0.025	SIGN	LEFT	GUIDE, RESTORATION AREA PLEASE STAY OFF
0.034	0.034	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.044	0.083	PULLOUT	LEFT	
0.046	0.085	PULLOUT	RIGHT	
0.064	0.064	SIGN	RIGHT	GUIDE, PAY CAMPING FEES HERE 14 - DAY LIMIT
0.088	0.120	CURB	LEFT	
0.120	0.120	INTERSECTION	LEFT	ROUTE 0207B (HIDDEN VALLEY CAMPGROUND LOOP ROAD B)
0.120	0.120	INTERSECTION	RIGHT	ROUTE 0207C (HIDDEN VALLEY CAMPGROUND LOOP ROAD C)
0.120	0.120	ROUTE END	N/A	TO ROUTE 0207B AND ROUTE 0207C

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0207A: HIDDEN VALLEY CAMPGROUND LOOP ROAD A

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM END OF ROUTE 0207B
0.000	0.000	INTERSECTION	N/A	ROUTE 0207B (HIDDEN VALLEY CAMPGROUND LOOP ROAD B)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0207B (HIDDEN VALLEY CAMPGROUND LOOP ROAD B)
0.012	0.012	INTERSECTION	LEFT	ROUTE 0207A (HIDDEN VALLEY CAMPGROUND LOOP ROAD A)
0.028	0.028	SIGN	LEFT	REGULATORY, ONE WAY
0.370	0.370	INTERSECTION	LEFT	ROUTE 0207A (HIDDEN VALLEY CAMPGROUND LOOP ROAD A)
0.370	0.370	INTERSECTION	N/A	ROUTE 0207B (HIDDEN VALLEY CAMPGROUND LOOP ROAD B)
0.370	0.370	INTERSECTION	RIGHT	ROUTE 0207A (HIDDEN VALLEY CAMPGROUND LOOP ROAD A)
0.370	0.370	ROUTE END	N/A	TO END OF LOOP

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0211: SHEEP PASS CAMPGROUND ENTRANCE ROAD

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0012 (EAST-WEST HIGHWAY) AT MP 14.15 (ON LEFT)
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0012 (EAST-WEST HIGHWAY)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0012 (EAST-WEST HIGHWAY)
0.006	0.018	CURB	LEFT	
0.007	0.018	CURB	RIGHT	
0.011	0.011	GATE	N/A	
0.018	0.018	SIGN	RIGHT	GUIDE, RESERVATION REQUIRED
0.050	0.050	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.187	0.187	SIGN	RIGHT	GUIDE, FIRES IN DESIGNATED SITES ONLY
0.211	0.211	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.211	0.211	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.211	0.211	SIGN	RIGHT	GUIDE, RYAN MT.
0.215	0.215	SIGN	LEFT	GUIDE, GROUP SITE 6
0.290	0.290	SIGN	LEFT	REGULATORY, ONE WAY
0.290	0.290	INTERSECTION	LEFT	ROUTE 0211A (SHEEP PASS CAMPGROUND LOOP A)
0.290	0.290	INTERSECTION	N/A	ROUTE 0211A (SHEEP PASS CAMPGROUND LOOP A)
0.290	0.290	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.290	0.290	ROUTE END	N/A	TO ROUTE 0211A

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212A: INDIAN COVE CAMPGROUND ROAD A

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM NORTH PARK BOUNDARY/END OF ROUTE 5002
0.000	0.000	SIGN	LEFT	GUIDE, LEAVING JOSHUA TREE NATIONAL PARK
0.000	0.000	INTERSECTION	N/A	ROUTE 5002 (INDIAN COVE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0916 (INDIAN COVE CONTACT STATION)
0.000	0.000	PARK BOUNDARY	N/A	NORTH PARK BOUNDARY
0.008	0.008	SIGN	RIGHT	GUIDE, DRIVE SAFELY
0.036	0.036	INTERSECTION	RIGHT	ROUTE 0916 (INDIAN COVE CONTACT STATION)
0.057	0.057	SIGN	LEFT	WARNING, DRIVE SAFELY
0.057	0.057	SIGN	RIGHT	WARNING, DRIVE SAFELY
0.139	0.139	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.178	0.178	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.228	0.228	SIGN	RIGHT	GUIDE, KEEP PARK WILDLIFE WILD DO NOT FEED THE ANIMALS
0.329	0.329	SIGN	RIGHT	GUIDE, VEGETATION GATHERING PROHIBITED
0.412	0.412	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.574	0.574	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.685	0.685	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.686	0.686	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.854	0.854	SIGN	RIGHT	WARNING, 25 M.P.H.
0.854	0.854	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.036	1.036	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.036	1.036	SIGN	RIGHT	WARNING, 25 M.P.H.
1.532	1.532	SIGN	RIGHT	GUIDE, DRIVING OFF ESTABLISHED ROADS PROHIBITED
1.668	1.668	SIGN	RIGHT	GUIDE, FAMILY CAMPSITES PICNIC AREA GROUP CAMP
1.680	1.680	INTERSECTION	RIGHT	ROUTE 0212B (INDIAN COVE CAMPGROUND ROAD B)
1.818	1.818	SIGN	LEFT	REGULATORY, NO PARKING
1.853	1.853	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
1.854	1.854	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
1.908	1.908	SIGN	RIGHT	REGULATORY, NO PARKING
1.909	1.909	SIGN	LEFT	REGULATORY, NO PARKING

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212A: INDIAN COVE CAMPGROUND ROAD A

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.910	1.910	SIGN	LEFT	REGULATORY, NO PARKING
1.911	1.911	SIGN	RIGHT	REGULATORY, NO PARKING
1.929	1.929	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.941	1.941	INTERSECTION	LEFT	ROUTE 0212A (INDIAN COVE CAMPGROUND ROAD A)
1.947	1.947	SIGN	LEFT	GUIDE, 14 DAY LIMIT
1.947	1.947	SIGN	LEFT	GUIDE, CAMPING INFORMATION PROVIDED ON BULLETIN BOARDS
1.954	1.954	INTERSECTION	LEFT	ROUTE 0212C (INDIAN COVE CAMPGROUND ROAD C)
1.960	1.960	GATE	N/A	
1.960	1.960	INTERSECTION	N/A	ROUTE 0212C (INDIAN COVE CAMPGROUND ROAD C)
1.960	1.960	SIGN	N/A	REGULATORY, STOP
1.960	1.960	ROUTE END	N/A	TO ROUTE 0212C

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212C: INDIAN COVE CAMPGROUND ROAD C

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM END OF ROUTE 0212A
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0212A (INDIAN COVE CAMPGROUND ROAD A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0212C (INDIAN COVE CAMPGROUND ROAD C)
0.012	0.012	GATE	N/A	
0.012	0.012	SIGN	N/A	REGULATORY, STOP
0.041	0.041	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.069	0.069	INTERSECTION	RIGHT	UNPAVED ROUTE (SITES 40 - 45)
0.074	0.074	SIGN	RIGHT	GUIDE, SITES 40-45
0.074	0.074	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.074	0.074	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.140	0.140	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.143	0.143	INTERSECTION	RIGHT	UNPAVED ROUTE (SITES 40 - 45)
0.167	0.167	INTERSECTION	RIGHT	UNPAVED ROUTE (SITES 46 - 52)
0.171	0.171	SIGN	RIGHT	GUIDE, SITES 46-52
0.171	0.171	SIGN	RIGHT	REGULATORY, ONE WAY
0.192	0.192	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.197	0.197	INTERSECTION	RIGHT	UNPAVED ROUTE (SITES 46 - 52)
0.226	0.226	INTERSECTION	RIGHT	UNPAVED ROUTE (SITES 54 - 61)
0.234	0.234	SIGN	RIGHT	REGULATORY, ONE WAY
0.234	0.234	SIGN	RIGHT	GUIDE, 54-61
0.258	0.258	INTERSECTION	RIGHT	UNPAVED ROUTE (SITES 54 - 61)
0.280	0.280	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.294	0.294	INTERSECTION	RIGHT	ROUTE 0212D (INDIAN COVE CAMPGROUND ROAD D)
0.295	0.295	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.295	0.295	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.295	0.295	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.295	0.295	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.458	0.458	GATE	N/A	
0.458	0.458	SIGN	N/A	REGULATORY, STOP
0.462	0.462	SIGN	RIGHT	GUIDE, SITES 33-39

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212C: INDIAN COVE CAMPGROUND ROAD C

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.462	0.462	SIGN	RIGHT	REGULATORY, ONE WAY
0.465	0.465	INTERSECTION	LEFT	UNPAVED ROUTE (SITES 33 - 39)
0.483	0.483	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.499	0.499	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.536	0.536	INTERSECTION	RIGHT	UNPAVED PARKING
0.543	0.543	INTERSECTION	RIGHT	ROUTE 0212E (INDIAN COVE CAMPGROUND ROAD E)
0.551	0.551	SIGN	RIGHT	REGULATORY, EXIT
0.561	0.561	INTERSECTION	RIGHT	ROUTE 0212E (INDIAN COVE CAMPGROUND ROAD E) SPUR
0.581	0.581	INTERSECTION	LEFT	UNPAVED ROUTE
0.615	0.615	INTERSECTION	RIGHT	ROUTE 0212F (INDIAN COVE CAMPGROUND ROAD F)
0.626	0.626	INTERSECTION	RIGHT	UNPAVED PARKING
0.639	0.639	INTERSECTION	LEFT	UNPAVED ROUTE
0.645	0.645	INTERSECTION	LEFT	UNPAVED ROUTE (SITES 33 - 39)
0.657	0.657	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.660	0.660	SIGN	RIGHT	REGULATORY, YIELD
0.662	0.662	INTERSECTION	RIGHT	UNPAVED PARKING
0.670	0.670	INTERSECTION	RIGHT	ROUTE 0212A (INDIAN COVE CAMPGROUND ROAD A)
0.680	0.680	INTERSECTION	N/A	ROUTE 0212C (INDIAN COVE CAMPGROUND ROAD C)
0.680	0.680	INTERSECTION	RIGHT	ROUTE 0212A (INDIAN COVE CAMPGROUND ROAD A)
0.680	0.680	ROUTE END	N/A	TO END OF LOOP AT END OF ROUTE 0212A

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212D: INDIAN COVE CAMPGROUND ROAD D

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0212C ON RIGHT
0.000	0.000	SIGN	N/A	REGULATORY, EXIT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0212C (INDIAN COVE CAMPGROUND ROAD C)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0212C (INDIAN COVE CAMPGROUND ROAD C)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.018	0.018	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.021	0.021	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.024	0.024	INTERSECTION	RIGHT	UNPAVED ROUTE (SITES 54 - 61)
0.034	0.034	INTERSECTION	RIGHT	UNPAVED ROUTE (SITES 62 - 70)
0.039	0.039	SIGN	RIGHT	GUIDE, SITES 63-76
0.039	0.039	SIGN	RIGHT	REGULATORY, ONE WAY
0.196	0.196	INTERSECTION	LEFT	UNPAVED ROUTE (SITES 71 - 76)
0.205	0.205	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.225	0.225	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.229	0.229	INTERSECTION	RIGHT	UNPAVED ROUTE (SITES 62 - 70)
0.244	0.244	INTERSECTION	RIGHT	UNPAVED ROUTE (SITES 77 - 81)
0.250	0.250	SIGN	RIGHT	GUIDE, SITES 77-81
0.250	0.250	SIGN	RIGHT	REGULATORY, ONE WAY
0.288	0.288	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.291	0.291	INTERSECTION	LEFT	UNPAVED ROUTE (SITES 71 - 76)
0.291	0.291	INTERSECTION	RIGHT	UNPAVED ROUTE (SITES 77 - 81)
0.411	0.411	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.411	0.411	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.482	0.482	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.523	0.523	INTERSECTION	LEFT	ROUTE 0212D (INDIAN COVE CAMPGROUND ROAD D)
0.527	0.527	SIGN	LEFT	REGULATORY, ONE WAY
0.527	0.527	SIGN	LEFT	REGULATORY, SPEED LIMIT 15
0.551	0.551	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.618	0.618	INTERSECTION	LEFT	ROUTE 0212D (INDIAN COVE CAMPGROUND ROAD D)
0.620	0.620	INTERSECTION	N/A	ROUTE 0212D (INDIAN COVE CAMPGROUND ROAD D)

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212D: INDIAN COVE CAMPGROUND ROAD D

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.620	0.620	ROUTE END	N/A	TO END OF LOOP

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212E: INDIAN COVE CAMPGROUND ROAD E

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0212C ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0212C (INDIAN COVE CAMPGROUND ROAD C)
0.000	0.000	INTERSECTION	N/A	ROUTE 0212C (INDIAN COVE CAMPGROUND ROAD C)
0.012	0.012	SIGN	RIGHT	REGULATORY, EXIT
0.016	0.016	INTERSECTION	LEFT	ROUTE 0212E (INDIAN COVE CAMPGROUND ROAD E) SPUR
0.227	0.227	INTERSECTION	LEFT	ROUTE 0212F (INDIAN COVE CAMPGROUND ROAD F)
0.248	0.248	SIGN	RIGHT	WARNING, LOCKED GATE AHEAD
0.267	0.267	SIGN	N/A	REGULATORY, STOP
0.267	0.267	GATE	N/A	
0.272	0.272	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.324	0.324	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.324	0.324	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.734	0.734	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.738	0.738	INTERSECTION	LEFT	ROUTE 0402 (INDIAN COVE BORROW PIT ROAD)
1.023	1.023	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
1.024	1.024	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
1.042	1.042	INTERSECTION	LEFT	ROUTE 0212E (INDIAN COVE CAMPGROUND ROAD E)
1.052	1.052	SIGN	LEFT	REGULATORY, ONE WAY
1.052	1.052	SIGN	LEFT	GUIDE, DAY USE ONLY SUNRISE - SUNSET
1.105	1.105	INTERSECTION	RIGHT	UNPAVED ROUTE
1.107	1.107	SIGN	LEFT	REGULATORY, ONE WAY
1.163	1.163	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
1.166	1.166	SIGN	LEFT	REGULATORY, ONE WAY
1.200	1.200	INTERSECTION	RIGHT	UNPAVED ROUTE
1.205	1.205	SIGN	LEFT	REGULATORY, ONE WAY
1.310	1.310	INTERSECTION	LEFT	ROUTE 0212E (INDIAN COVE CAMPGROUND ROAD E)
1.310	1.310	INTERSECTION	RIGHT	ROUTE 0212E (INDIAN COVE CAMPGROUND ROAD E)
1.310	1.310	ROUTE END	N/A	TO END OF LOOP

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212F: INDIAN COVE CAMPGROUND ROAD F

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0212E ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0212E (INDIAN COVE CAMPGROUND ROAD E)
0.000	0.000	INTERSECTION	N/A	ROUTE 0212E (INDIAN COVE CAMPGROUND ROAD E)
0.006	0.006	SIGN	RIGHT	REGULATORY, STOP
0.051	0.051	INTERSECTION	RIGHT	UNPAVED ROUTE (SITES 8 - 12)
0.052	0.052	SIGN	LEFT	GUIDE, SITES 8-12
0.052	0.052	SIGN	RIGHT	GUIDE, SITES 8-12
0.230	0.230	INTERSECTION	LEFT	ROUTE 0212C (INDIAN COVE CAMPGROUND ROAD C)
0.230	0.230	INTERSECTION	N/A	ROUTE 0212C (INDIAN COVE CAMPGROUND ROAD C)
0.230	0.230	ROUTE END	N/A	TO ROUTE 0212C

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0213: 49 PALMS OASIS ACCESS ROAD

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM NORTH PARK BOUNDARY/END OF ROUTE 5005
0.000	0.000	PARK BOUNDARY	N/A	NORTH PARK BOUNDARY
0.000	0.000	INTERSECTION	N/A	ROUTE 5005 (CANYON ROAD)
0.009	0.009	GATE	N/A	
0.016	0.016	SIGN	RIGHT	GUIDE, 49 PALMS JOSHUA TREE NATIONAL PARK
0.134	0.134	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.134	0.134	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.412	0.412	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.470	0.470	INTERSECTION	N/A	ROUTE 0917 (49 PALMS OASIS PARKING)
0.470	0.470	ROUTE END	N/A	TO ROUTE 0917

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216A: COTTONWOOD CAMPGROUND LOOP A

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD) AT MP 0.7 (ON LEFT)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.017	0.017	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.030	0.030	SIGN	RIGHT	GUIDE, GATHERING VEGETATION PROHIBITED
0.040	0.040	SIGN	RIGHT	GUIDE, GROUP CAMPING
0.064	0.064	INTERSECTION	LEFT	ROUTE 0907A (COTTONWOOD CAMPGROUND PARKING A)
0.136	0.136	SIGN	RIGHT	GUIDE, PAY CAMPING FEES HERE 14 - DAY LIMIT
0.136	0.153	PULLOUT	RIGHT	
0.182	0.182	SIGN	RIGHT	GUIDE, ENTRANCE LOOP A
0.182	0.182	SIGN	RIGHT	REGULATORY, YIELD
0.199	0.199	INTERSECTION	LEFT	ROUTE 0216A (COTTONWOOD CAMPGROUND LOOP A)
0.200	0.200	SIGN	LEFT	REGULATORY, ONE WAY
0.253	0.253	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.254	0.254	INTERSECTION	LEFT	ROUTE 0907C (COTTONWOOD CAMPGROUND PARKING C)
0.300	0.300	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.300	0.300	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.369	0.369	SIGN	LEFT	GUIDE, ON DUTY
0.369	0.369	SIGN	LEFT	GUIDE, PARK HOST
0.450	0.450	INTERSECTION	LEFT	ROUTE 0216A (COTTONWOOD CAMPGROUND LOOP A)
0.450	0.450	INTERSECTION	RIGHT	ROUTE 0216A (COTTONWOOD CAMPGROUND LOOP A)
0.450	0.450	ROUTE END	N/A	TO END OF LOOP A

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216B: COTTONWOOD CAMPGROUND LOOP B

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0216A
0.000	0.000	INTERSECTION	N/A	ROUTE 0216A (COTTONWOOD CAMPGROUND LOOP A)
0.010	0.010	SIGN	RIGHT	GUIDE, ENTRANCE LOOP B
0.083	0.083	INTERSECTION	LEFT	ROUTE 0216B (COTTONWOOD CAMPGROUND LOOP B)
0.087	0.087	SIGN	LEFT	REGULATORY, ONE WAY
0.141	0.141	INTERSECTION	LEFT	ROUTE 0907B (COTTONWOOD CAMPGROUND PARKING B)
0.185	0.185	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.185	0.185	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.340	0.340	INTERSECTION	LEFT	ROUTE 0216B (COTTONWOOD CAMPGROUND LOOP B)
0.340	0.340	INTERSECTION	RIGHT	ROUTE 0216B (COTTONWOOD CAMPGROUND LOOP B)
0.340	0.340	ROUTE END	N/A	TO END OF LOOP B

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0400: MAINTENANCE ROAD

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (PINTO BASIN ROAD) AT MP 0.05 (ON LEFT)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (PINTO BASIN ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (PINTO BASIN ROAD)
0.002	0.002	SIGN	RIGHT	REGULATORY, STOP
0.009	0.009	SIGN	RIGHT	GUIDE, SERVICE ROAD ONLY
0.139	0.139	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.218	0.218	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.410	0.410	INTERSECTION	RIGHT	UNPAVED ROUTE
0.479	0.479	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.479	0.479	SIGN	LEFT	REGULATORY, FASTEN SEAT BELT
0.500	0.500	INTERSECTION	LEFT	ROTUE 0411 (BELLE MOUNTAIN ROAD)
0.507	0.520	CURB	LEFT	
0.519	0.519	SIGN	RIGHT	REGULATORY, ONE WAY
0.520	0.520	GATE	N/A	
0.520	0.520	INTERSECTION	N/A	ROUTE 0901 (MAINTENANCE YARD PARKING)
0.520	0.520	ROUTE END	N/A	TO ROUTE 0901

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0406: COTTONWOOD RESIDENTIAL ROAD

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD) AT MP 0.27 (ON LEFT)
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.000	0.000	INTERSECTION	LEFT	ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0204 (COTTONWOOD SPRINGS CAMPGROUND & TRAILHEAD)
0.010	0.010	SIGN	RIGHT	GUIDE, RESIDENTIAL AREA
0.010	0.010	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.049	0.049	SIGN	LEFT	REGULATORY, FASTEN SEAT BELT
0.050	0.050	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.072	0.072	INTERSECTION	LEFT	ROUTE 0905 (COTTONWOOD RESIDENTIAL AREA)
0.077	0.077	FIRE HYDRANT	LEFT	
0.150	0.150	INTERSECTION	N/A	ROUTE 0406 (COTTONWOOD RESIDENTIAL ROAD)
0.150	0.150	ROUTE END	N/A	TO END AT UNPAVED TURNAROUND

JOTR: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0411: BELLE MOUNTAIN ROAD

Notice: Culverts and drop inlets were NOT marked by NPS nor inventoried by RIP in Cycle 4, therefore no culverts or drop inlets are reported in any Road Log. Culverts and drop inlets were inventoried in paved parking areas and can be found in the Parking Lot Condition Rating Sheets (Section 7) and Parkwide Maintenance Features Summary (Section 8).

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0400 (MAINTENANCE ROAD) AT MP 0.5 (ON LEFT)
0.000	0.000	INTERSECTION	N/A	ROUTE 0400 (MAINTENANCE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0400 (MAINTENANCE ROAD)
0.046	0.046	GATE	N/A	
0.046	0.046	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.046	0.046	SIGN	N/A	REGULATORY, STOP
0.125	0.125	SIGN	RIGHT	WARNING, WINDING ROAD
3.345	3.345	INTERSECTION	LEFT	ROUTE 0411 (BELLE MOUNTAIN ROAD) UNPAVED SECTION
3.350	3.350	INTERSECTION	N/A	GATE
3.350	3.350	ROUTE END	N/A	TO RADIO REPEATER

Joshua Tree National Park

Section 10
Appendix

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
AADT	(Annual Average Daily Traffic) The estimate of typical daily traffic on a road segment for all days of the week over the period of one year.
CRS	Condition Rating Sheets. (Section 5)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value from 61 to 84
Func. Class	Funtional Classification (see Route ID, Section 4)
Good	Good rating with an index value from 85 to 94
IRI	International Roughness Index
Lane Width	Width from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MRR	Manually Rated Route
N/A	Not Applicable
NC	Not Collected
Paved Width	Width from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (Appendix B, Section 10)
Poor	Poor Rating with an index value of 60 or less
RCI	Roughness Condition Index
SADT	(Seasonal Annual Daily Traffic) The AADT adjusted to represent just the period of the year containing 80 percent of the total annual traffic.
SCR	Surface Condition Rating (Appendix B, Section 10)
Shoulder Width	Distance from fogline to hinge point, or if no fogline, from edge-of-pavement to hinge point.

APPENDIX B: DESCRIPTION OF RATING SYSTEM

A numerical roadway rating system is used to describe the overall condition of the paved roadways and paved parking areas. In this system, a numerical rating between 0 and 100 is ascribed to each 0.02 miles of road. This numerical rating is called a Pavement Condition Rating (PCR). A "perfect" road, newly constructed with no surface distresses and a smooth surface, would be assigned a PCR rating of 100. Based on the type, severity, and extent of surface distresses points are deducted from 100 to arrive at the final PCR.

Data is collected on the following distresses and conditions:

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

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

Calculation of Index Values

Note: Index values < 0 default to 0. Index values > 100 default to 100.
For all indices, a higher value indicates a better road condition, and a lower value indicates a poorer road condition.
All severity protocols are taken from the SHRP Distress Identification Manual.

Condition Ranges for all Indices

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

Alligator Crack Index

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

Where :

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

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

%MED = (Total square area WX measured medium severity alligator cracking) / (Section length * WX measured lane width)
%HI = (Total square area WX measured high severity alligator cracking) / (Section length * WX measured lane width)

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

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

Severity Levels:

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

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

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

Longitudinal Crack Index

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

Where:

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

%LOW = (Total linear feet WX measured low severity longitudinal cracking) / (Section length in linear feet)
%MED = (Total linear feet WX measured medium severity longitudinal cracking) / (Section length in linear feet)
%HI = (Total linear feet WX measured high severity longitudinal cracking) / (Section length in linear feet)

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

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

Severity Levels:

Low severity longitudinal cracks have a mean width ≤ ¼”, or are sealed cracks of indeterminate width whose sealant material is in good condition.

Medium severity longitudinal cracks have a mean width > ¼” and ≤ ¾”.

High severity longitudinal cracks have a mean width > ¾”.

Transverse Crack Index

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

Where:

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

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

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

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

Severity Levels:

Low severity transverse cracks have a mean width ≤ ¼", or are sealed cracks of indeterminate width whose sealant material is in good condition.

Medium severity transverse cracks have a mean width > ¼" and ≤ ¾".

High severity transverse cracks have a mean width > ¾".

Patching Index

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

Where:

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

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

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

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

There are no severity levels for patching.

Rutting Index

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

Where:

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

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

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

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

Severity Levels:

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

Low severity ruts have an ARAN measured depth ≥ 0.20" and ≤ 0.49".

Medium severity ruts have an ARAN measured depth ≥ 0.50" and ≤ 0.99".

High severity ruts have an ARAN measured depth ≥ 1.00".

Roughness Condition Index

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

Where:

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

AVG IRI = (ARAN measured Left IRI + ARAN measured Right IRI) / 2

There is no applicable threshold for failure for this index.

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

Surface Condition Rating Index

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

Where:

See above for determinations of AC_INDEX, LC_INDEX, TC_INDEX, PATCH_INDEX and RUT_INDEX.

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

Pavement Condition Rating Index Asphaltic Concrete Pavement (AS)

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

Where:

See above for determinations of SCR and RCI.

The values 0.60 and 0.40 function as weights within the formula.

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

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

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

Pavement Condition Rating Index Portland Cement Concrete Pavement (CO)

Concrete PCR = -0.0012(IRI^2)+0.0499(IRI)+99.542

Where:

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

Parking Lot and Manually Rated Road Condition Rating

Surface Condition Distresses- Chip Seal:

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

Ratings - Chip Seal:

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

Surface Condition - Asphalt:

Cracking of any type
Rutting
Potholes/Patching

Ratings - Asphalt:

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

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

Under Construction 100

Excellent 97

Good 90

Fair 73

Poor 45

APPENDIX C: GENERAL INFORMATION ON RIP SYSTEMS

DMI (Distance Measuring Instrument)

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

Digital Image Information

All images collected in Cycle 4 are digital images in .jpg format. These images provide adequate resolution for identifying sign and feature inventories and pavement evaluations. The images can be viewed with an interactive software program called VisiData. Each park will receive a copy of the VisiData program. Cycle 4 data, as well as Cycle 3 data, can be viewed using the Visi-Data software program. This program is a data presentation and analysis tool that can be accessed either at the individual park, park region or at NPS headquarters. The data is organized in a hierarchical manner and presented in tabular and graphical formats. The user is able to perform queries and drill down through the data to find the particular information they are looking for. Associated digital right-of-way images from either the LAN, USB port, individual DVD can be presented along with GPS locations.

Right-of-way (ROW) Video

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

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

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

Pavement Video

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

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

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

FHWA ARAN GPS & Inertial System

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

GPS Collected on Manually Rated Routes

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

GPS SHAPEFILES

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

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

Condition Photos Taken of Manually Rated Roads

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

Scenic Photos

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

APPENDIX D: METADATA

FHWA – NPS Road Inventory Program Cycle 4 Metadata

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

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

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

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

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

Specific Caveats

- MUTCD based on contents & colors of sign, not on size
- Database records that show a Portland Cement Concrete (CO) surface type sometimes include distress index values that seem to show a perfect roadway. Condition assessments on concrete pavements are not conducted for Alligator Cracking, Transverse or Longitudinal Cracking, Patching, or Rutting. Perfect values for concrete road sections for these indexes are default values and do not represent a condition assessment of the concrete surfaces.
- On the USB drive, in the Database folder, parks are provided with intersection lists and exceptions lists. These documents should be treated as raw files and are not accurate. Refer to the final database for accurately post-processed intersection data.
- Most roadway data is collected in the primary direction lane of a roadway. To save data storage space and to reduce data analysis efforts, the assumption was made that the paved surface condition of a route's primary lane adequately represents the surface condition of the full roadway. Therefore, in the database, opposite-direction records in the PMS_Tenth table do not include assessed values for roadway surface distresses. Values such as 0, N/A, -1, or a repeat of the primary-direction assessed value indicate that no assessment was performed. The PMS_20 and PMS_Mile tables simply exclude all opposite routes.

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

Key to Notes in Tables

(1): Note that only one value fits in field, so even if this value varies throughout the route, only predominant value is recorded here.
(2): Shoulder width is measured at route start and every half-mile along the route in the primary direction. Width is the entire width of the drivable shoulder, regardless of the presence or absence of pavement, from the fog line to the shoulder hinge point, or if no fog line exists, from the edge of pavement to the hinge point. Identification of shoulder hinge point can be problematic using video analysis. Some paved ditches may be mistakenly recorded as shoulders where the shoulder hinge point and change in slope are not easily distinguished from the video.
(3): Mileage is measured by the ARAN (Automatic Road ANalyzer) data collection vehicle out to the 0.001 decimal place. The DMI (distance measuring instrument) is very accurate, with extremely slight variations in measurement due to air temperature, tire inflation, curves, hills, and equipment calibration.
(4): Features are measured differently depending on whether they are visible in the forward-facing video of the roadway, but every feature milepost measurement depends on the baseline measurement of the data collection vehicle's mileage. The ARAN (Automatic Road ANalyzer) data collection vehicle's mileage is measured by the DMI (distance measuring instrument) out to the 0.001 decimal place. The DMI is very accurate, with extremely slight variations in measurement due to air temperature, tire inflation, curves, hills, and equipment calibration. If a feature will not be visible in the forward-facing video, its milepost is determined by the data collectors' key press tagging the milepost when the ARAN passes the feature. Key presses are entered into the ARAN software when the vehicle travels typically between 15 and 45 miles/hour, so a delay of a single second as the vehicle passes a feature would result in an inaccuracy of 0.004 miles (22 feet) to 0.012 miles (66 feet). If a feature is visible in the video, its milepost is determined during post-processing using a video measurement software called Surveyor.
(5): Condition assessments on concrete (PCC) pavements are not conducted for Alligator Cracking, Transverse or Longitudinal Cracking, Patching, or Rutting. Perfect values for concrete road sections for these indexes are default values and do not represent a condition assessment of the concrete surfaces.
(6): Roadway cracking presence, type, severity, and extent are determined by filming the roadway in the primary lane continuously with two overlapping analog cameras of 640 x 480 resolutions. The images from both cameras are stitched together in real time to create a continuous strip image of the roadway pavement in the primary lane. Cracks 3 mm or greater in width are visible in this video. A semi-automatic process running the WiseCrax software with additional input by human operators provides the cracking quantities recorded in these database fields. Quality checks have determined that a consistent 80% or better of the visible cracks are recorded.

Access Database Metadata

MASTER Table Metadata:

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

20	FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
21	DATE	MM/DD/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
22	BEG_MP	999.999 (miles)	Beginning MP collected	ARAN Data Collection	Automatic Output	100% (3)
23	END_MP	999.999 (miles)	Ending MP collected	ARAN Data Collection	Automatic Output	100% (3)

PMS_FEATURE Table Metadata:

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

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

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

List of Roadway Features

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

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

PMS_20, PMS_MILE, & PMS_TENTH Tables Metadata:

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

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

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

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

ROUTE_GPS table metadata:

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

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

FHWA "Route ID Program" Database
Database Name: ROUTEINFO.mdb
Table Name: ROUTE_ID

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

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

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

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

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

Database Name: ROUTEINFO.mdb
Table Name: PARK_TOTALS

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

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

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

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

Business Practices for Route Numbering and Roadway Asset Identification

Introduction and Background:
Beginning in November 2006, inventory and condition information gathered by the Federal Highway Administration (FHWA) has been stored in FMSS to enable NPS to report Deferred Maintenance (DM) and Current Replacement Value (CRV) for NPS paved roads, paved parking areas, bridges, and tunnels. The NPS Roads Working Group (RWG) has been tasked with developing and implementing the procedures necessary to transfer DM and CRV from FHWA's databases to NPS' Facility Management Software System (FMSS).

Current business practices for roadway definition in national parks involve face-to-face meetings between FHWA personnel and individual park staff known as "Route ID" meetings. These meetings have been ongoing for several years and have been performed within the context of the Road Inventory Program (RIP) executed mainly by FHWA. The primary focus of these meetings has been on defining roadway static information such as route names, numbers, functional class, etc. The FHWA personnel are the primary individuals responsible for implementing the RIP and the route ID meetings are an integral and fundamental part of that process. The RIP process provides route numbers for each individual road and parking area in each park. After the route ID meetings establish a given park's roadway asset base, various types of condition and inventory data are collected either manually or with a data collection van that drives each individual road with an individual route number.

The FMSS requires asset numbers as unique identifiers for all asset types including roadways. **The current practice is that all roadways that are assigned a route number at route ID, also are defined as assets and therefore also receive an FMSS asset number** (Route names and functional classes are also collaboratively assigned during the face-to-face route ID meetings). This practice began midway through the third RIP data collection cycle (ending in 2003) and was further reinforced during an asset alignment process conducted in the summer of 2006. The alignment process ensured that each route number in RIP and each asset number in FMSS were matched to the correct road and parking area.

Issue Statement:
As a result of various pre-existing business practices associated with the RIP, which predates FMSS by several years, route numbers are assigned for routes that are often very small. In tandem with the current business practice that all routes with route numbers are considered assets, this has caused a proliferation of asset numbers within FMSS. Over the past year, the RWG has learned that this business practice has significantly increased time and resources that parks must dedicate to administering FMSS data entry and management. This additional work effort is due to the fact that tying FMSS asset records to the more detailed, granular RIP route numbers has generated numerous new assets that require additional database and work order management. This has led to a situation where assets are not being defined the way they are managed.

The following proposed practices seek to create an asset definition process that is dictated by to how road assets are managed at the park level, not according to the pre-existing practices used in RIP for collecting detailed road information. RIP practices assign route numbers mainly based on how data are collected and driven with a data collection device. These procedures will disassociate the driving of roads with the data collection van from the process of assigning them asset status. **The end goal is to only assign asset numbers based on how parks manage their facilities within guidelines set up within FMSS and herein.** Driving the road with the data collection van allows for the collection of higher quality data as well as the ability to view road segments with video viewing software (Visidata). By de-linking driving the roads with the assignment of "asset status", we are able to get the best quality data without the proliferation of assets that has serious negative ramifications for managing roadways in parks using asset management tools.

Proposed Actions:

1. Make a distinction within the route number field in the RIP database between those route numbers that represent assets, those that are subcomponents of assets and those that are groups of sub-components. The route number field in the RIP database will be expanded from 6 to 7 characters. The additional character will denote the asset status of the route in question. Combined routes will be designated with a double "zz", while subcomponents will be designated with one "z". Whenever possible, a combined route should use the lowest route number to be combined as the combined route number.
2. Only show assets, whether a group of subcomponents or a single component, on the Route ID report. Assets that are composed of subcomponents will have "zz" in the route number. Individual routes will have no additional characters in the route number. Subcomponents (designated in RIP with a "z") will not be listed on the route ID report. Only assign asset numbers to those routes listed on the route ID report.
3. Provide a separate reporting function (other than the Route ID report) to identify and display information for route numbers not representing assets. Specific reporting requirements and format TBD.
4. Add a new field to the RIP database to indicate the "asset status" of a route number. The flag will have three possible values:
    a. Asset with no subcomponents.
    b. Asset with subcomponents.
    c. Non-asset (i.e. subcomponent).

    Both a change in the route number and a new "asset ID" field in the RIP database are recommended. It is easier to perform queries and other database manipulations using a separate field instead of a character within the route number field. The character in the route number field allows for rapid identification of the asset status of a road without having to access the database as a whole. Even thought non-asset routes will not be included in the route ID report (the primary location for parks to view road information in RIP), there are many other reports as well as the Visidata application where the route number is

displayed. In these cases, the character in the route number will clearly identify the asset status of the roadway.

5. Focus asset definition practices on NPS asset management needs. Create roadway assets based on how parks manage these assets within the following guidelines:
    a. Individual road segments (asset subcomponents) may be combined into a single asset**. Note that all the attributes of individual subcomponents (paved area, equipment, work orders, etc) will be included in the combined asset.**
    b. In general, combination should be used in complex circulatory environments such as campground areas, housing and other administrative areas, maintenance areas, etc.
    c. Public and non-public segments may not be combined.
    d. Segments with differing functional classes may not be combined.
    e. Discrete parking areas may be combined into a single asset where they service the same facility or resource and are within walking distance of each other.
    f. Parking areas and roads may not be combined. This includes short road segments that may be near or adjacent to parking areas. See 5h below for exceptions to this.
    g. Where the primary purpose of a road is to provide access to a parking area, and that road segment is approximately 0.25 miles in length or shorter, the access road should be considered part of the parking area (Note that this is an existing RIP business practice).
    h. Particularly long routes may be divided into multiple assets based on how a park manages the roadway network. This should not be confused with the use of sub-components listed in 5a.
    i. Roads that are actively managed by concession operations may not be combined with those managed by the NPS.

Discussion:
The first four items listed above are actions required by FHWA RIP to allow for the adoption of the practices shown in 5a-i. The following will provide additional direction and examples for guidelines listed.

<u>Individual road segments (asset subcomponents) may be combined into a single asset.</u>
Where previous route ID practices have generated more assets (routes) than are practical from an asset management standpoint, small, discrete road lengths may be designated as asset subcomponents and then combined into a larger single asset. A subcomponent is NOT an FMSS term. Subcomponents will be used in RIP to indicate which routes are small, drivable individual road segments and which routes may include these segments. Once a piece of road is designated a subcomponent of another route, it will no longer have any individual identity in FMSS. Only those routes listed on the RIP Route ID report will have asset numbers in FMSS. As stated in business rule 2 above, subcomponents will not be listed on the route ID. The quantity information (length, area) will be included into the larger route of which they are a part. See Figures 1 and 2 for an example of how existing assets may be combined using subcomponents. Note that

subcomponents will have an identity in the RIP database and, if driven by RIP team, may be referenced in RIP reports, Visidata, or other RIP documentation.

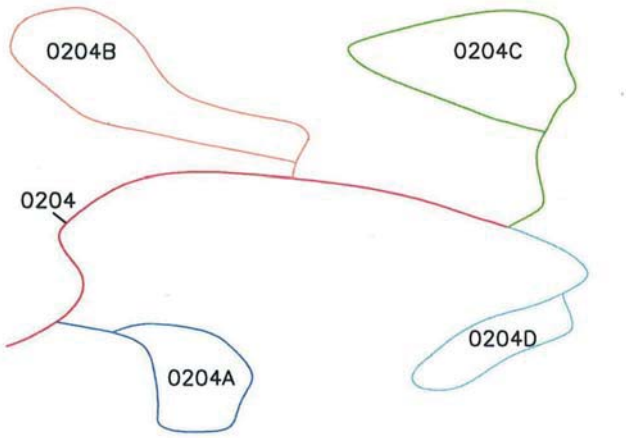

Figure 1: Campground with five routes and five assets

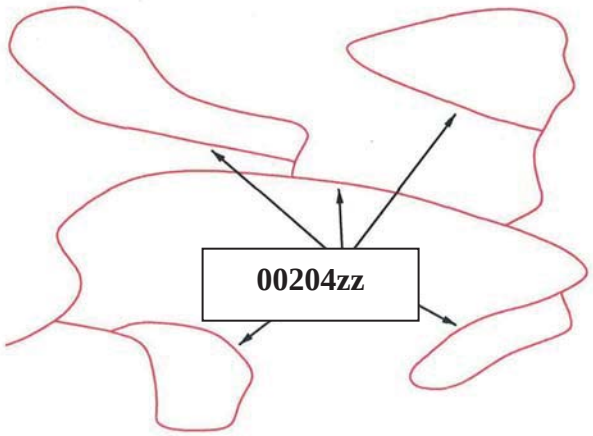

Figure 2: Campground with all loops combined into one route and one asset. This has eliminated four assets.

In general, combination should occur in complex circulatory environments such as campground areas, housing and other administrative areas, maintenance areas, etc.

Typically these complex situations are where too many assets have been used to define roadways. Combining simple "point A to point B" roads that are clearly defined and provide access to different facilities or locations may not be done.

Public and non-public segments may not be combined. Roads that are posted as closed to the public or are intended as administrative access only (maintenance areas, housing areas, fire roads, etc) can not be combined with roads open to the public.

Segments with differing functional classes may not be combined. The roadway functional class is found on the Route ID report. Functional class indicates the type of circulatory function a given road provides. Functional class is used in a variety of applications (engineering, safety, funding) so it is important to maintain the correct functional class attributes of individual roads/assets. There are some cases where functional class was erroneously assigned in prior Route ID meetings such as where campground loops have a different functional class than the campground road. Functional classes of individual roads may be modified to correct discrepancies. The functional class definitions may not be modified.

Discrete parking areas may be combined into a single asset where they service the same facility or resource and are within walking distance of each other. These combined areas should be maintained as one asset. There are many instances where small (5-10 space), discrete parking areas have been separated into individual assets even though they provide parking for the same area or facility. These may be combined into a single asset. Figures 3 and 4 shows examples of combining parking areas.

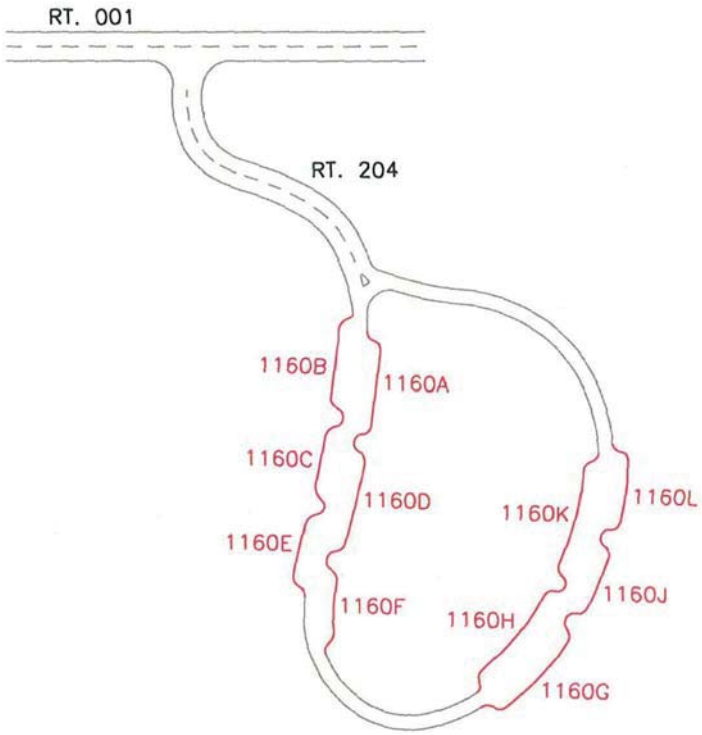

Figure 3: Parking with access route 204 and multiple parking areas (1160 A-L). Currently, this parking area is 12 routes and 12 assets (one 1100 asset and 11 1300 assets).

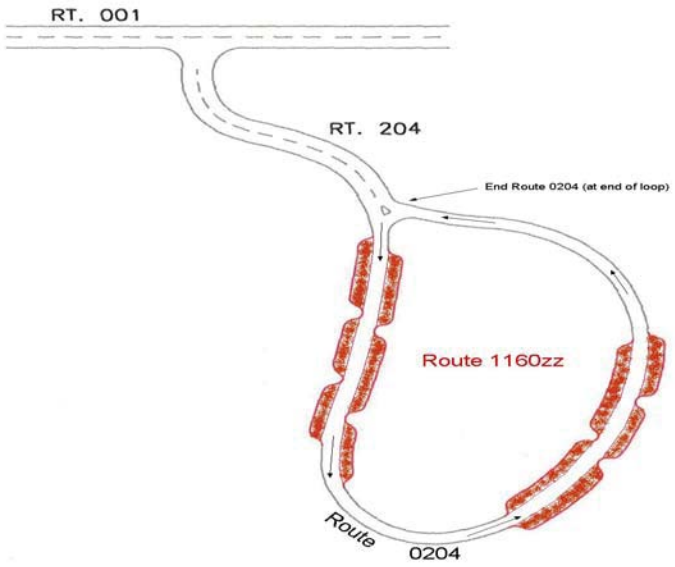

Figure 4: Parking with access route 204 and one parking area 1160zz. Route 204 is assumed longer than 0.25 miles. There are now 2 assets (one 1100 asset, one 1300 asset) instead of 12.

Parking areas and roads may not be combined. Parking areas and roads are tracked as separate asset types (1300 vs. 1100) in FMSS and as such should not be combined except in situations described by 5g. In Figure 5, Route 207 is a spur road from the main route running through parking area 1102. Since the spur road continues through and beyond the parking area, it will remain a separate route.

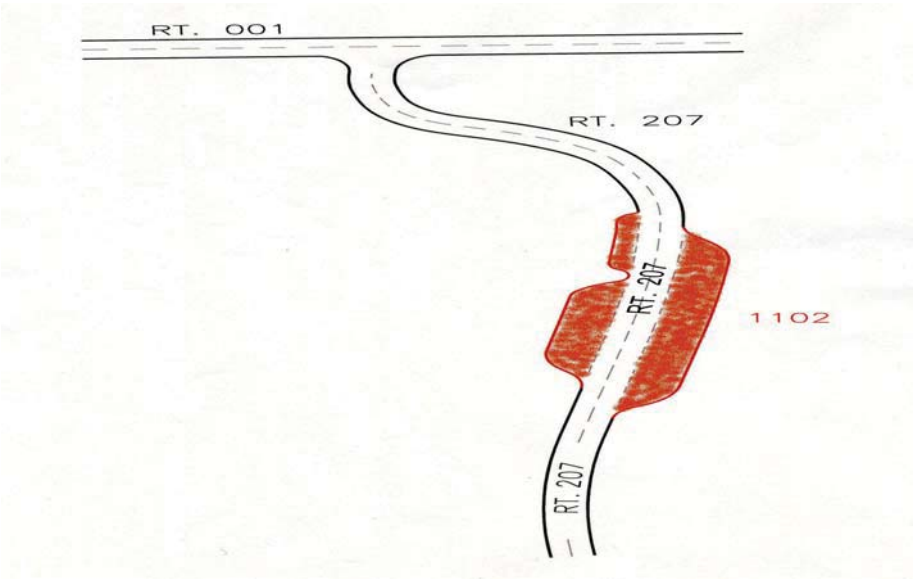

Figure 5: Parking with access route 207 running through and continuing beyond parking 1102. This access route cannot be considered a part of the parking area and two routes and two assets continue to exist.

Where the primary purpose of a road is to provide access to a parking area, and that road segment is less than 0.25 miles in length, the access road should be considered part of the parking area. See Figures 8. Where a road continues on past a parking area to another facility or destination, even if it is less than 0.25 miles to the initial parking area, the road and parking area may not be combined.

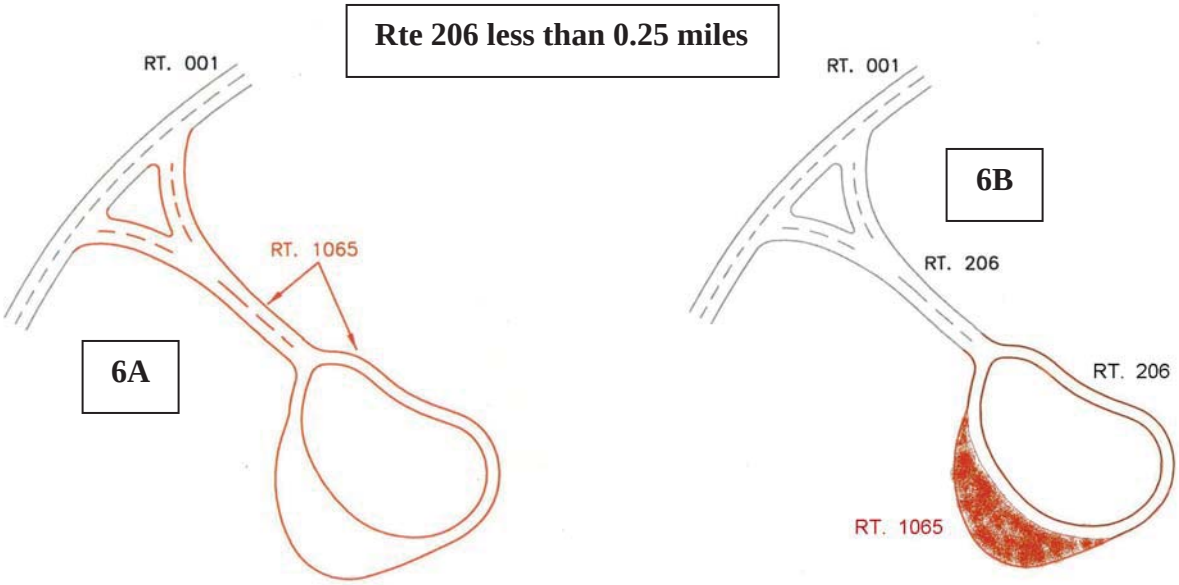

Figure 6: Since the access route is less than .25 miles in length and the only use of the access is to the parking, one route for both the access and the parking area can be established.

Particularly long routes may be divided into multiple assets based on how a park manages the roadway network. This should not be confused with the use of sub-components listed in 5a. Routes like the Blue Ridge Parkway or the Yellowstone Grand Loop may not lend themselves to management as a single asset by virtue of their length. Often management districts are created for sections of these routes and maintenance activities occur primarily within these districts. Parks may break routes up into separate assets during the Route ID process if the road is managed as discrete sections. This should only be done for very long roads.

The following example illustrates a complex road system and how the proposed business practice and several of the guidelines could be applied to create fewer assets that are consistent with local management.

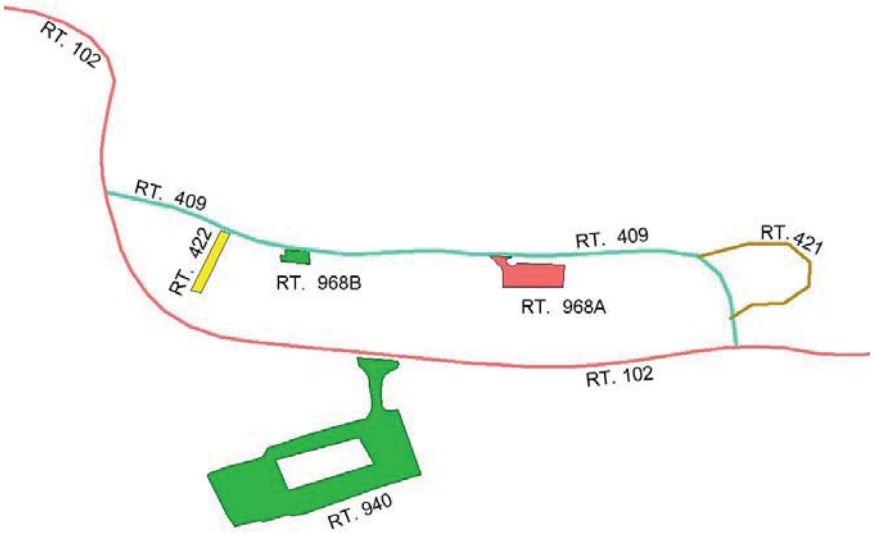

Figure 7 – Current Housing area access configuration. Route 409 is less than 0.25 miles long.

The area serviced by Routes 409, 421, 422, 968A, and 968B is all employee housing. Route 940 provides access to visitor services and not to the housing area. Routes may be combined to create assets that reflect local management. Routes 409, 421, and 422 are all the same functional class, provide access to one type of activity (housing) and are all posted as non-public. These routes may be combined. They should not be combined with any parking areas even though they are all less than 0.25 miles long. This is because their main function is not to provide access to parking. Routes 968A and B provide parking for access to the same facility (housing). Even though these discrete areas may provide parking to different housing units, it's reasonable to manage them as a single asset. They may also be combined.

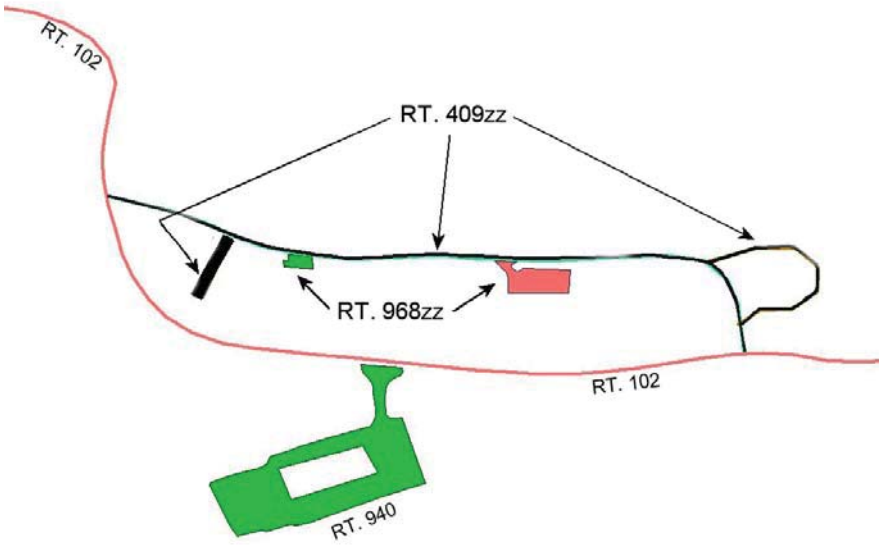

Figure 8 – Combined housing area access configuration – Parking and road assets combined to eliminate 3 assets.