



# The Road Inventory of Death Valley National Park DEVA - 8130



**national park service**



## Road Inventory Program

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



# Death Valley National Park in California





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## INTRODUCTION

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

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

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

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

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

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

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

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

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

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



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

FHWA RIP Coordinator:

James A. Amenta  
FHWA/EFLHD  
Technical Services, HTS-15  
21400 Ridgetop Circle  
Sterling, VA 20166  
(703) 404-6366

# Death Valley National Park Summaries

## Overall Park Mileage Summary

<b>PARK TOTAL SUMMARY ITEMS</b>	<b>TOTAL</b>	<b>DATE</b>
Paved ARAN Driven Route Miles	197.89	12/6/2002
Unpaved Estimated Route Miles	192.35	12/6/2002
Paved ARAN and Unpaved Route Miles	390.24	
Paved ARAN Driven Lane Miles	386.30	12/6/2002
Paved MRR Lane Miles	20.35	12/6/2002
Parking Lot Lane Miles	13.04	12/6/2002
Total Paved Lane Miles	419.69	

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

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

## Death Valley National Park Summaries

### Cost to Improve to "Excellent" Condition

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

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

Existing Condition	Existing Miles	Estimated Cost to Improve
Excellent	0.98	\$29,400
Good	1.05	\$115,500
Fair	60.81	\$34,053,600
Poor	135.05	\$207,977,000
<b>Totals</b>	<b>197.89</b>	<b>\$242,175,500</b>

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

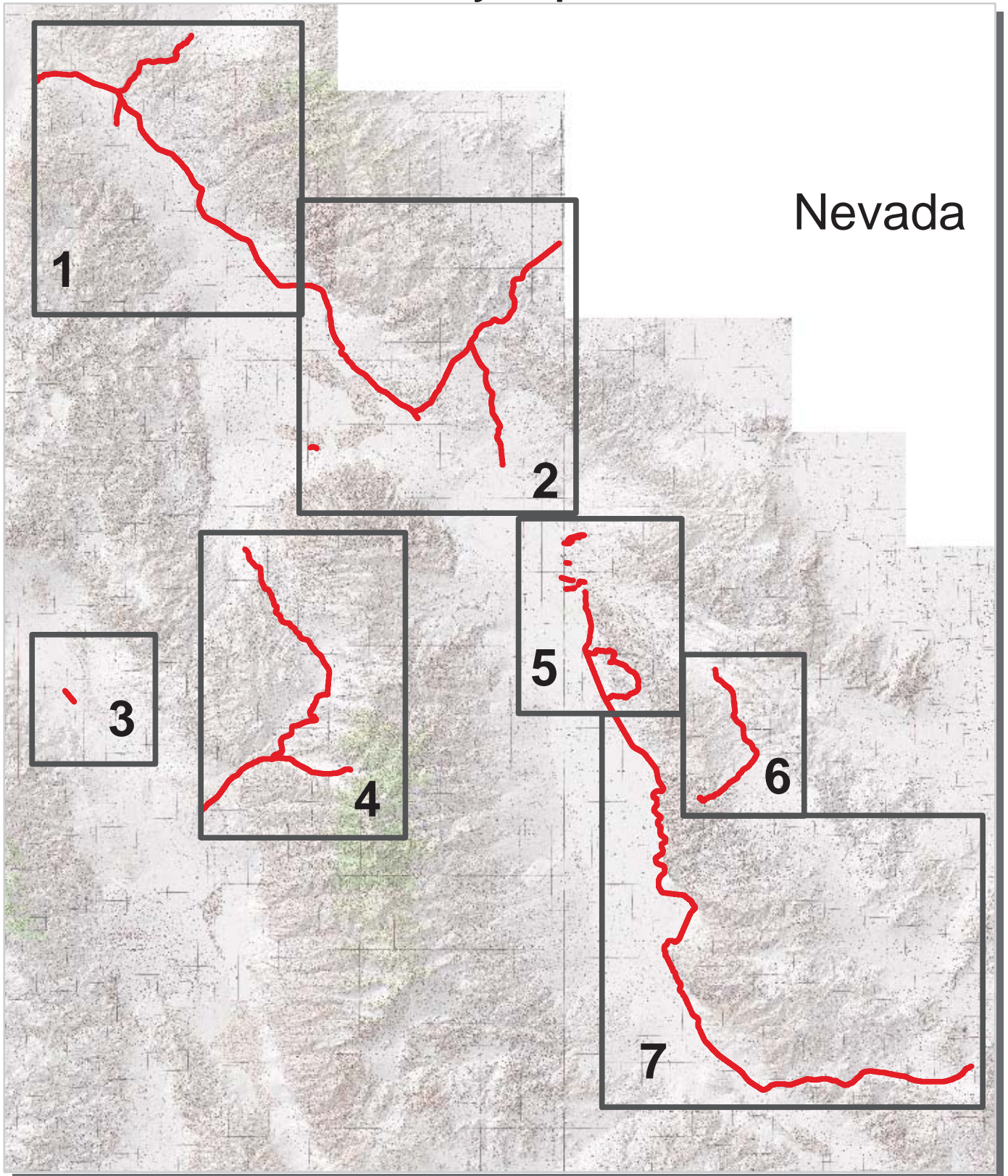
These numbers are for preliminary planning purposes only and should not be used for project level proposals. For park planning level analysis, apply your park multiplier for more accurate regional costs.

## Death Valley National Park Summaries

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

F.C.	Pavement Condition Rating								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	103.93	52.52%	49.82	25.18%	0.78	0.39%	0.98	0.50%	155.51
2	26.18	13.23%	10.42	5.27%	0.25	0.13%			36.85
3	1.89	0.96%	0.25	0.13%					2.14
4									
5	3.05	1.54%	0.32	0.16%	0.02	0.01%			3.39
6									
7									
8									
<b>Totals</b>	<b>135.05</b>	<b>68.24%</b>	<b>60.81</b>	<b>30.73%</b>	<b>1.05</b>	<b>0.53%</b>	<b>0.98</b>	<b>0.50%</b>	<b>197.89</b>

# Death Valley National Park Route Location Key Map



 Park Owned Routes





# Death Valley National Park Route Location Map Area Map 1

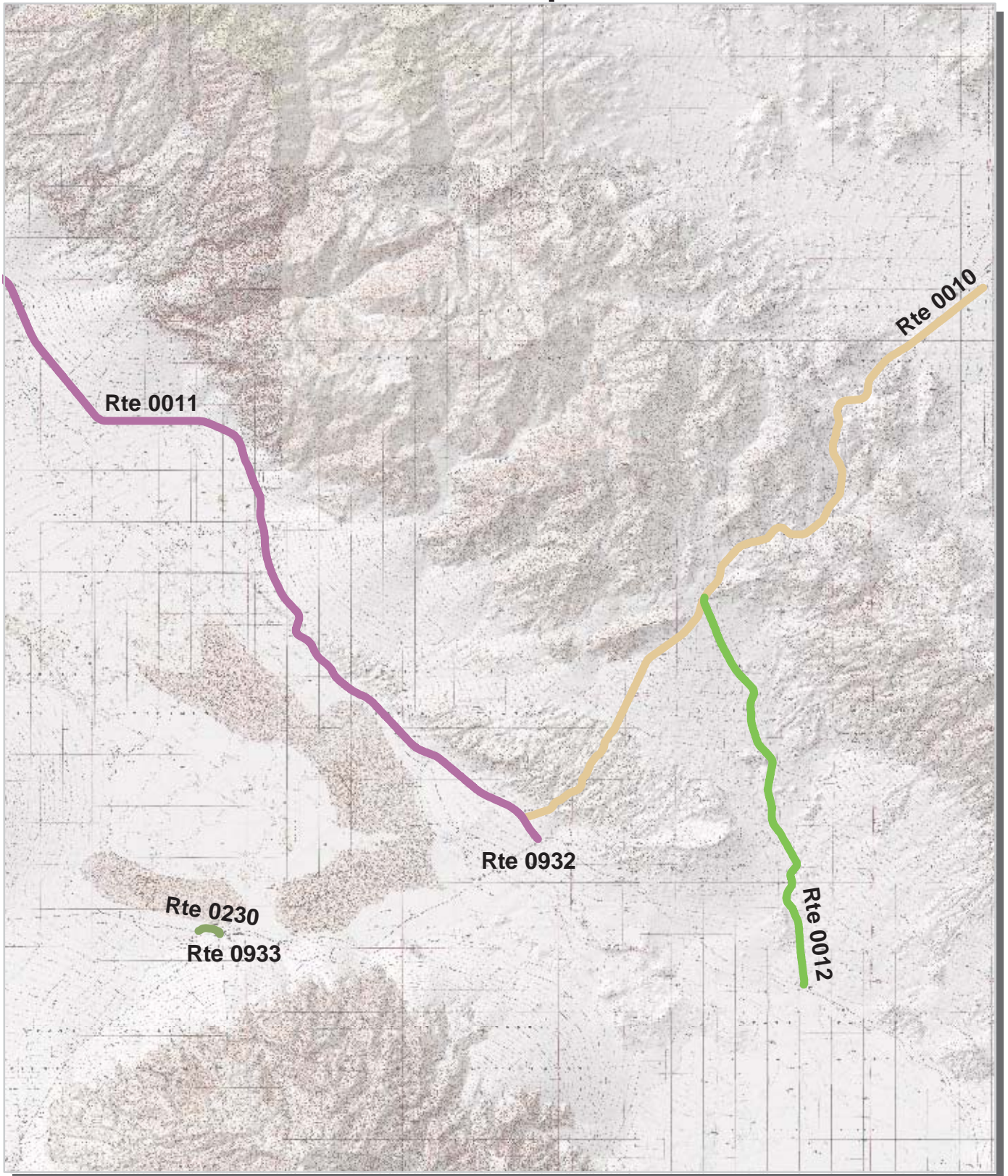


Unique colors used to differentiate routes





# Death Valley National Park Route Location Map Area Map 2

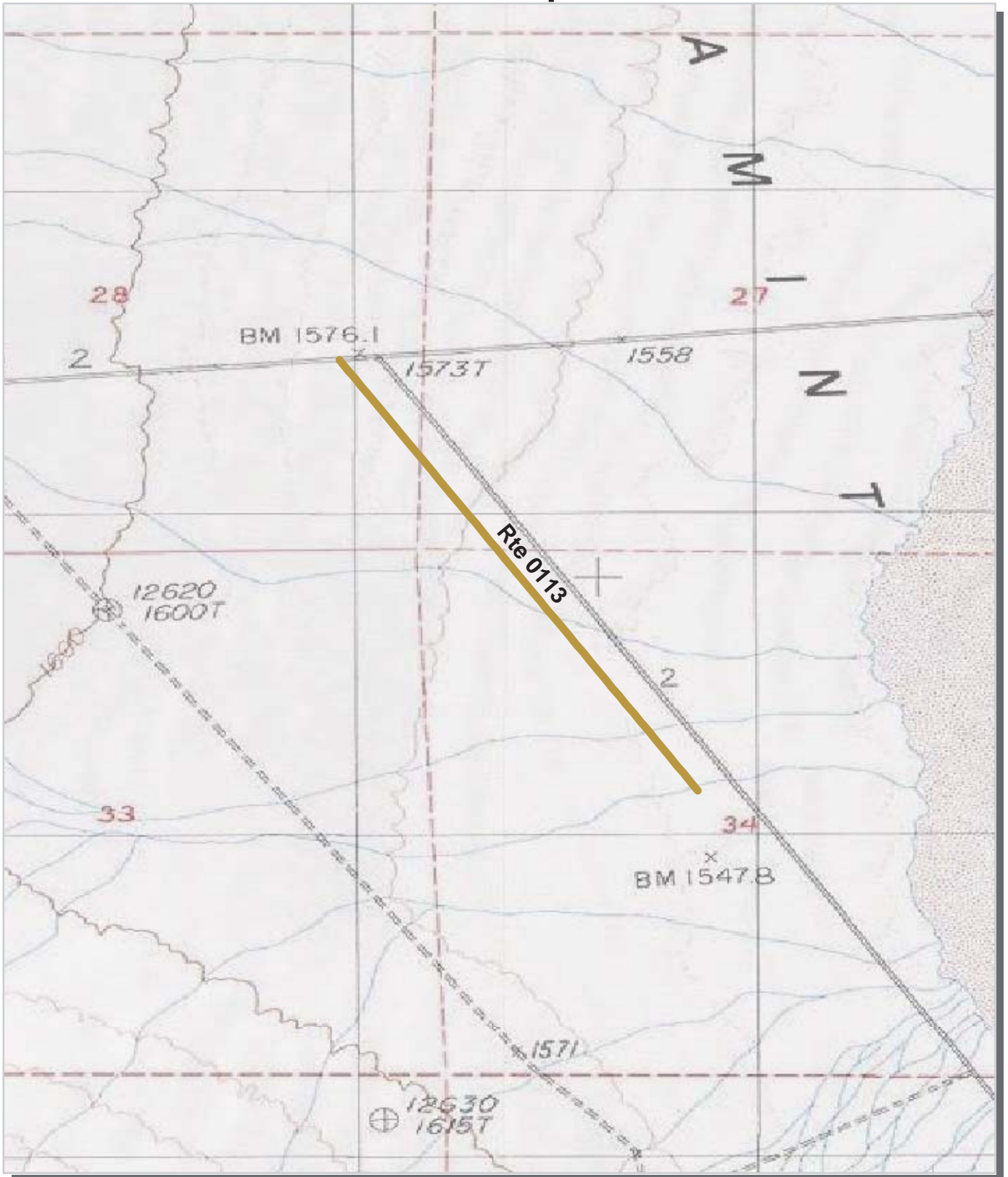


Unique colors used to differentiate routes





# Death Valley National Park Route Location Map Area Map 3

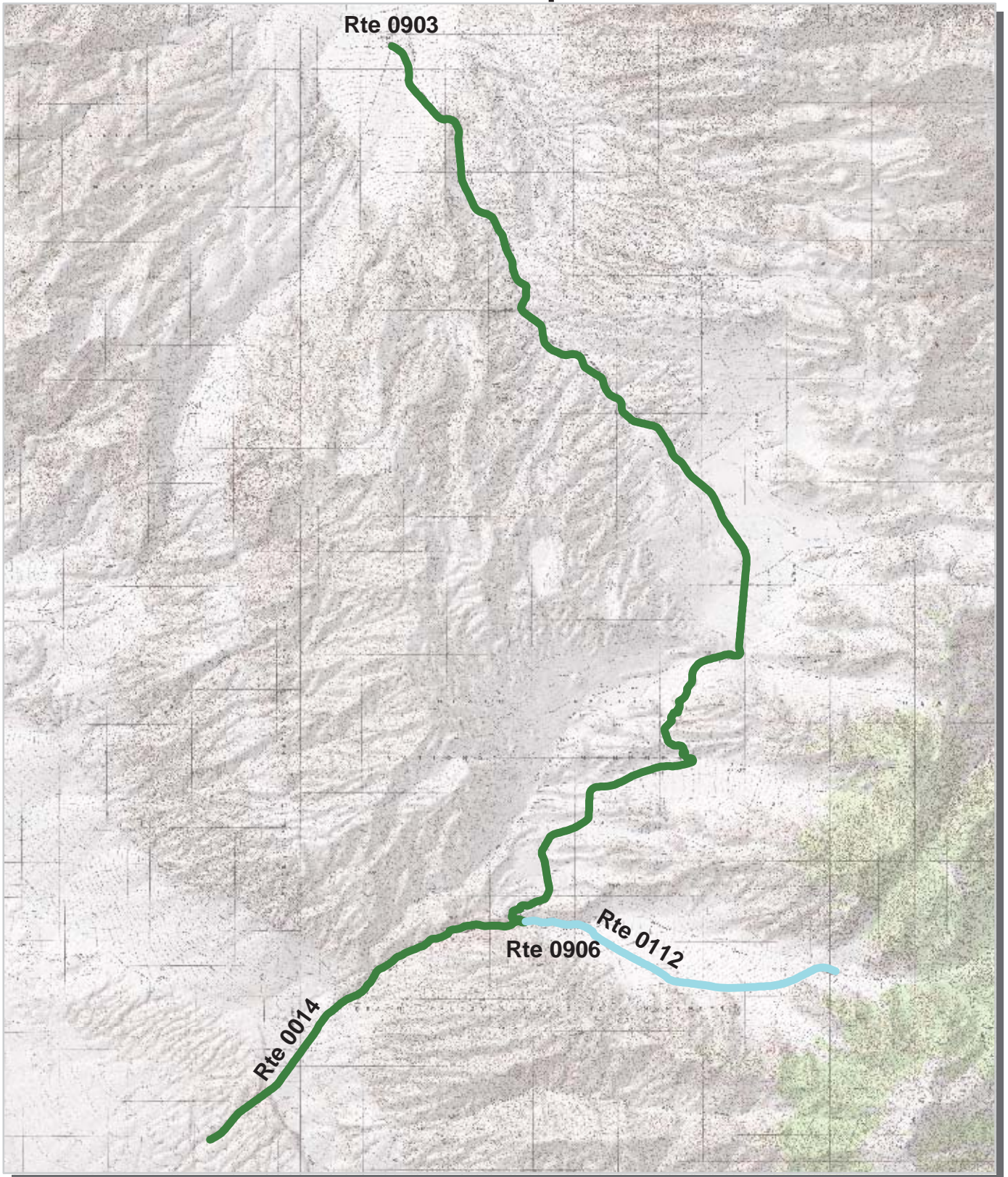


Unique colors used to differentiate routes





# Death Valley National Park Route Location Map Area Map 4

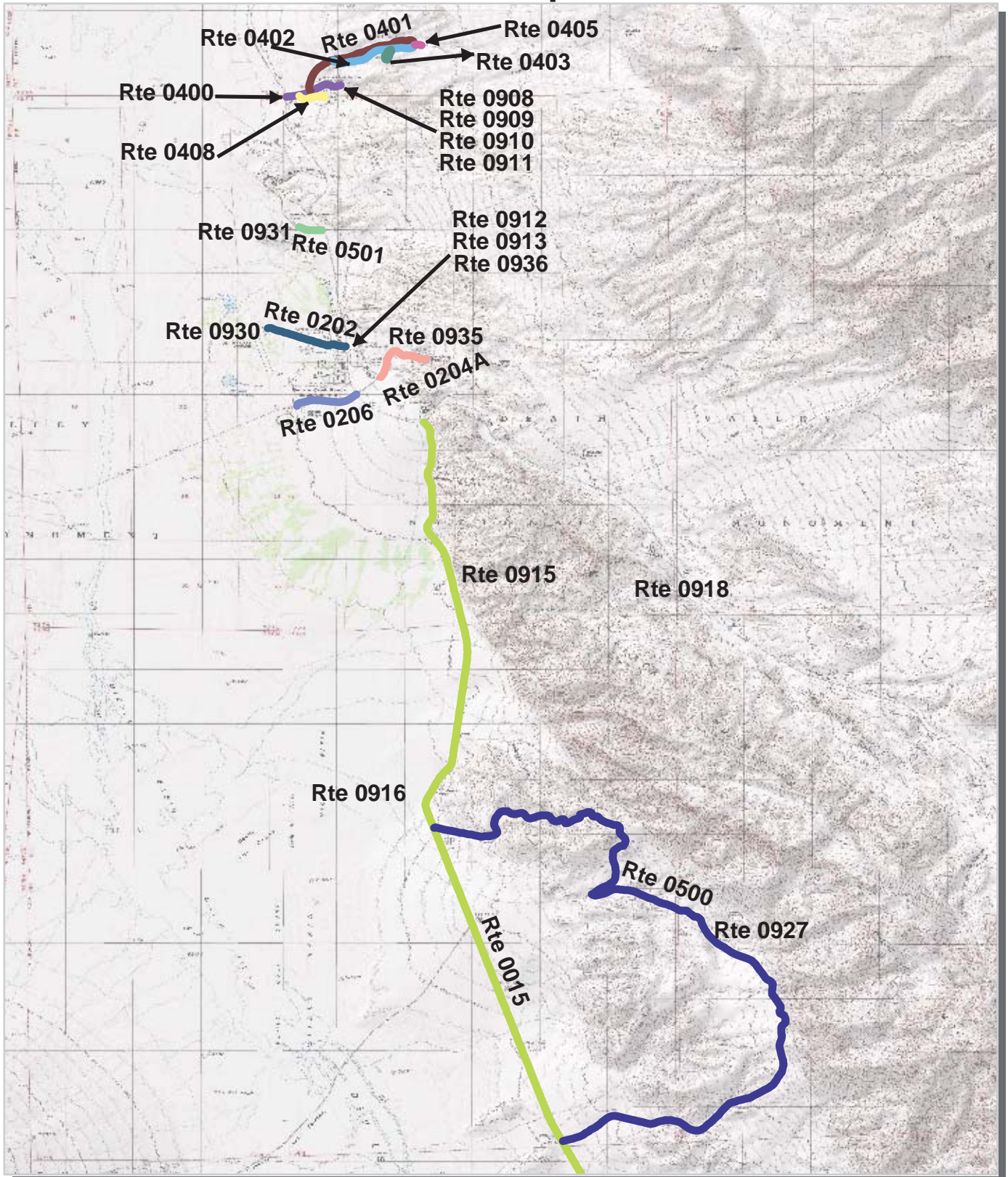


Unique colors used to differentiate routes





# Death Valley National Park Route Location Map Area Map 5

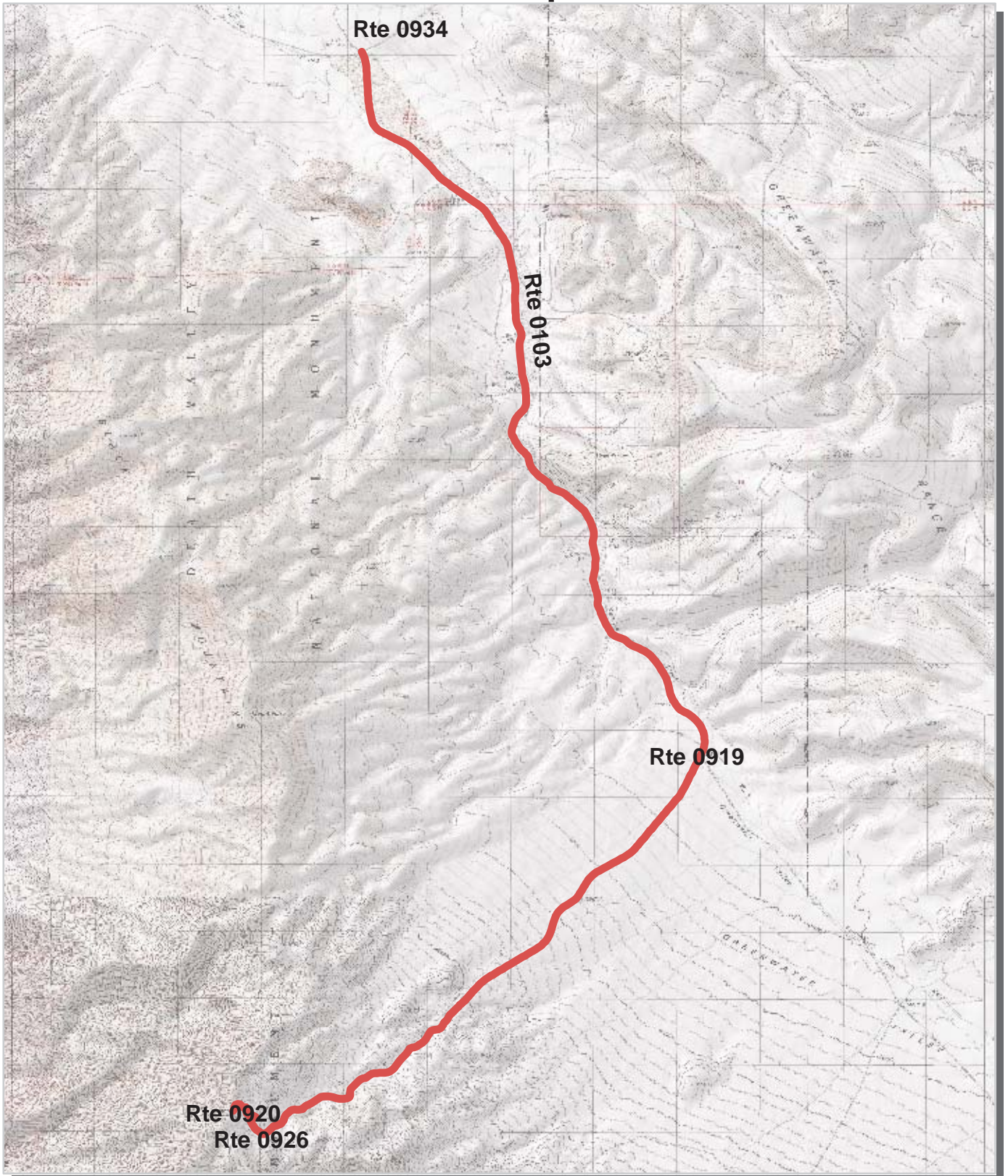


Unique colors used to differentiate routes





# Death Valley National Park Route Location Map Area Map 6

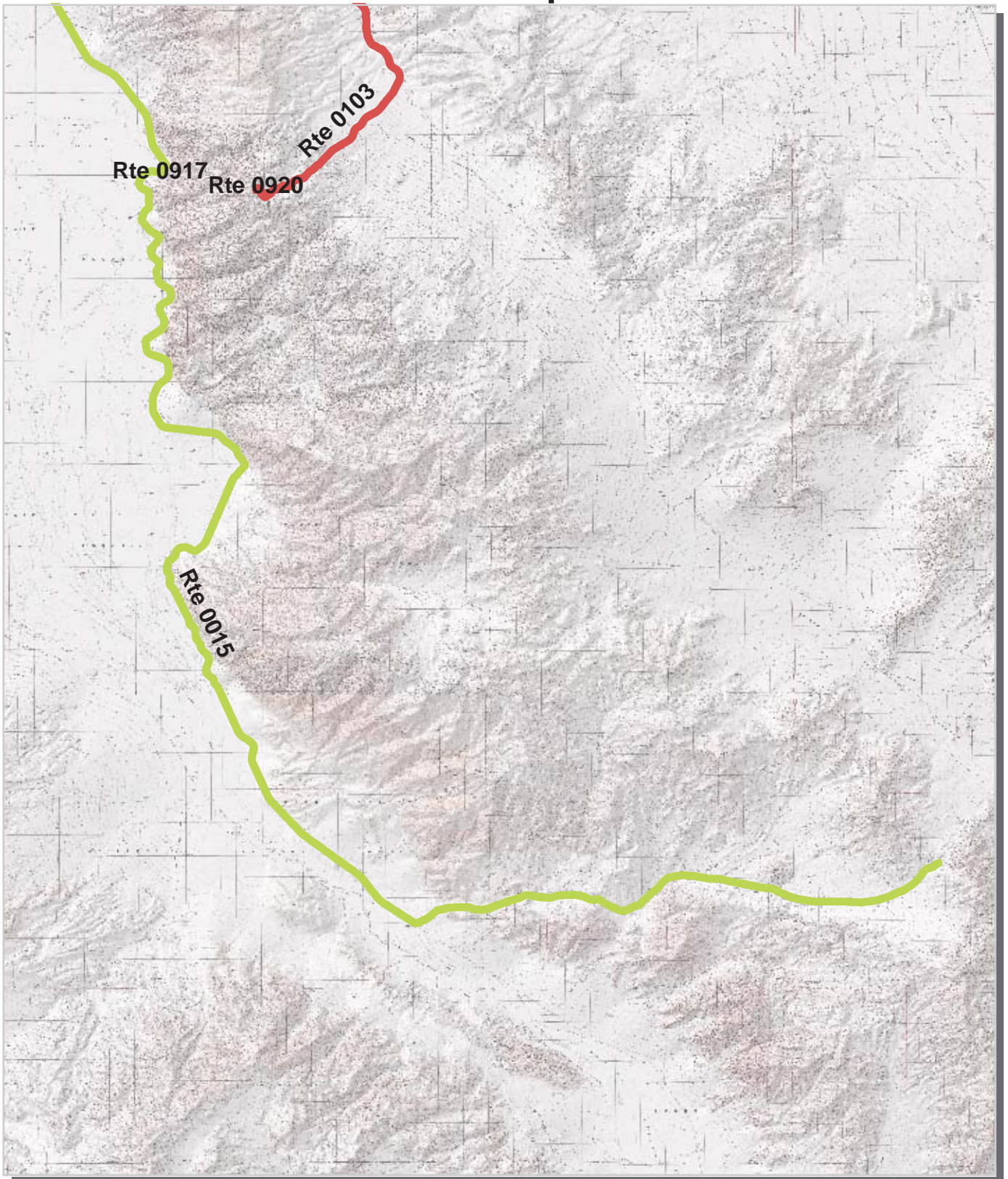


Unique colors used to differentiate routes





# Death Valley National Park Route Location Map Area Map 7

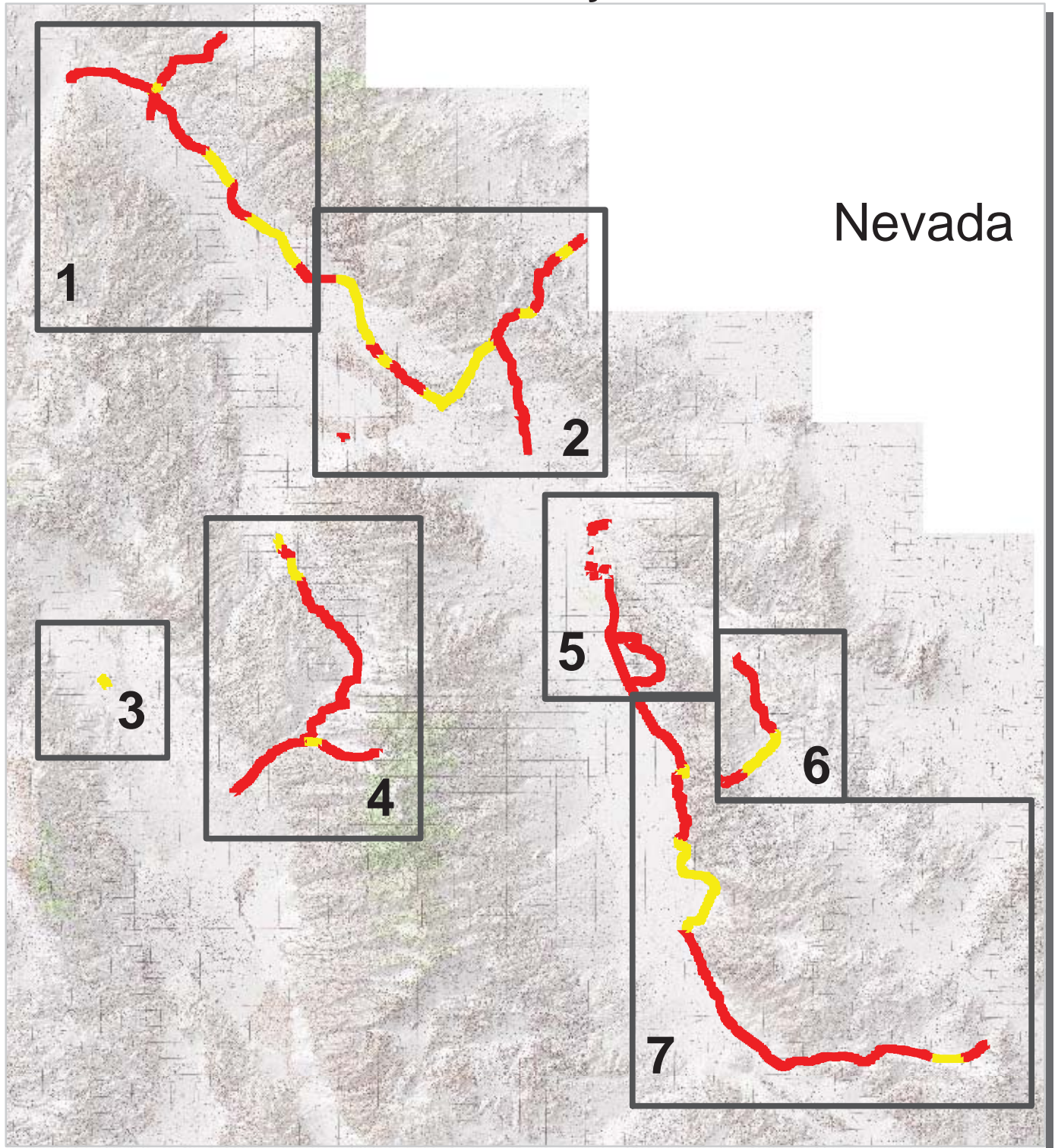


Unique colors used to differentiate routes





# Death Valley National Park Route Condition Key Map PCR - Mile by Mile



Nevada

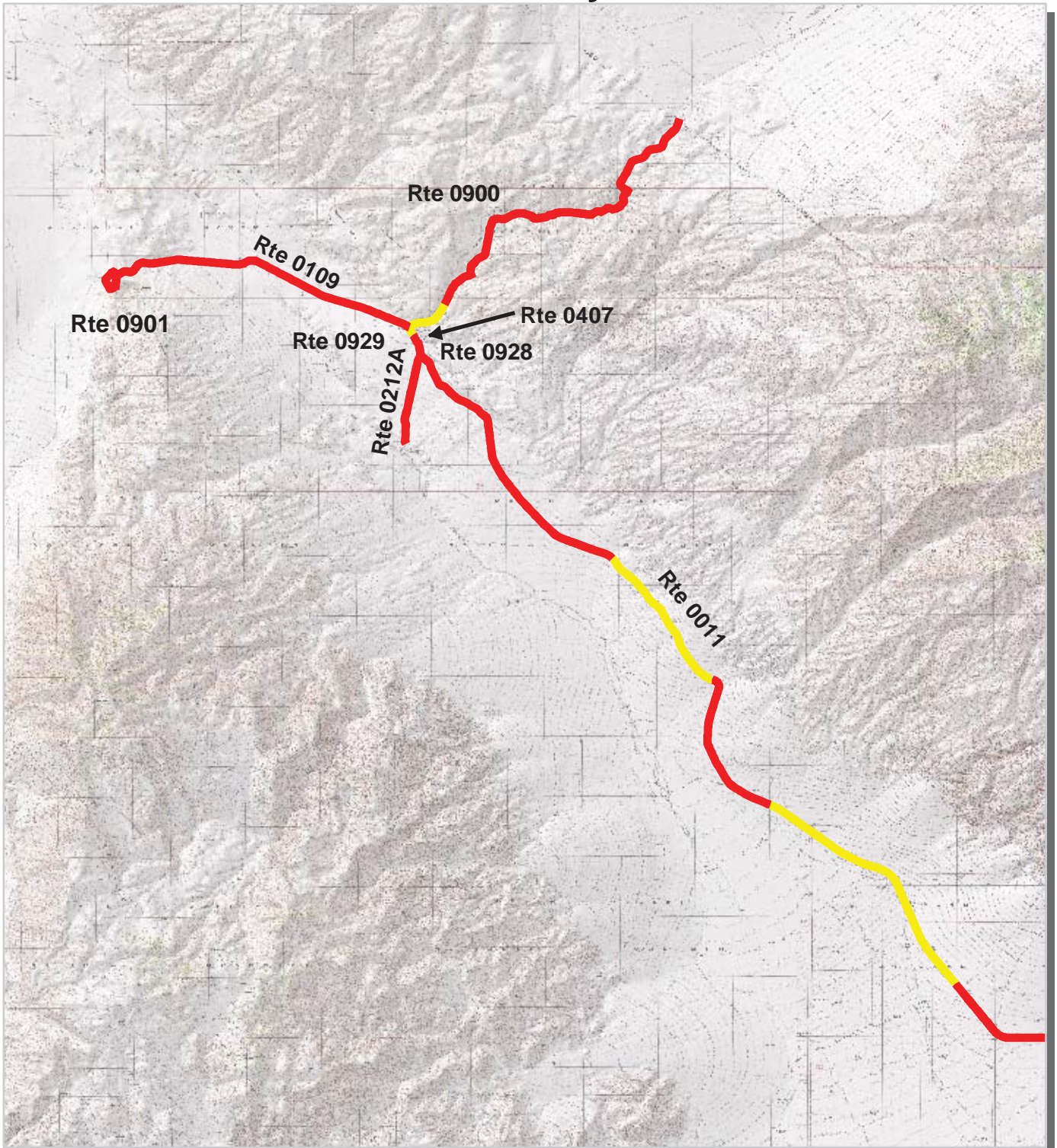
PCR	Poor	Fair	Good	Excellent
				
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

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





# Death Valley National Park Route Condition Area Map 1 PCR - Mile by Mile



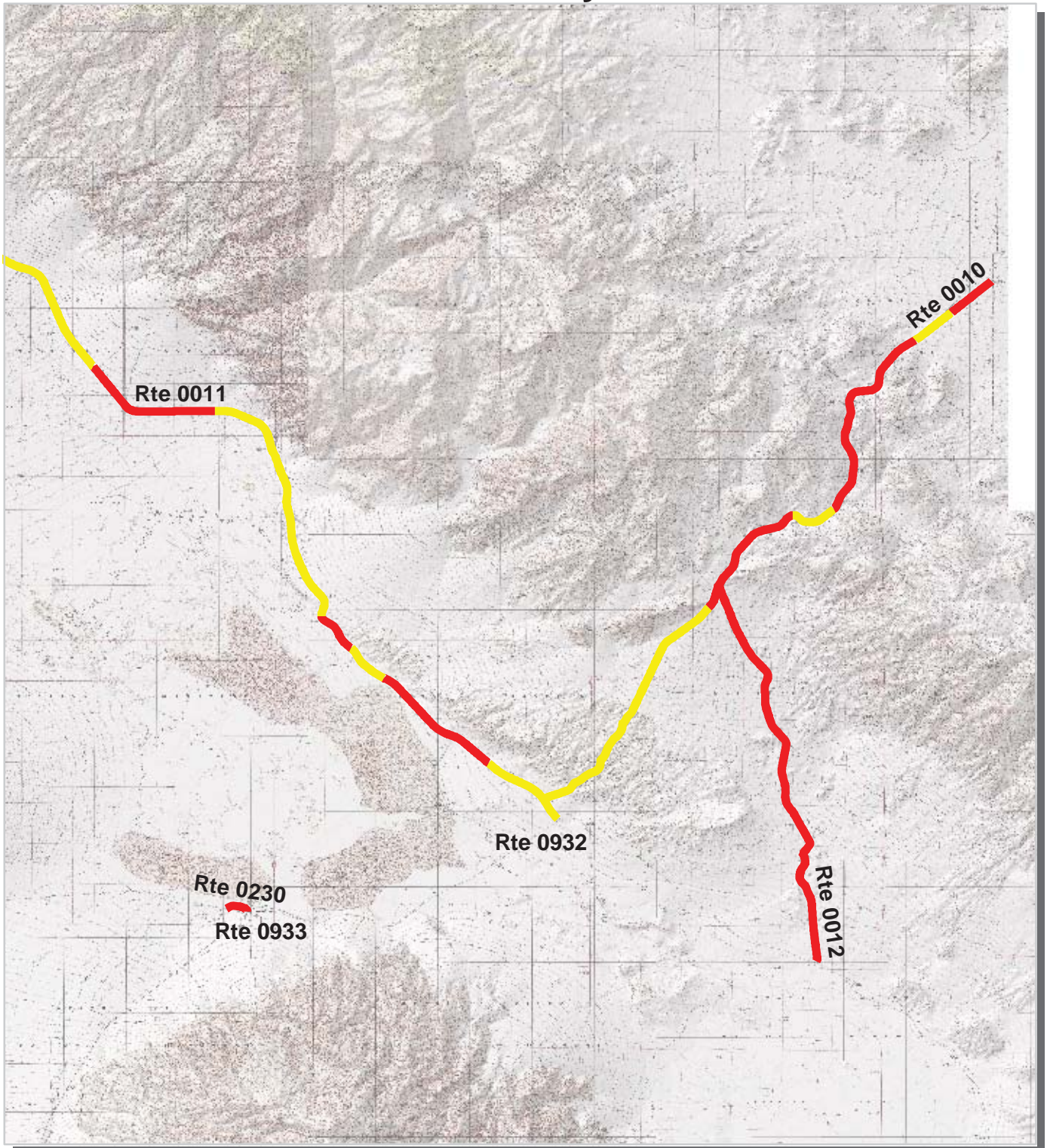
PCR	Poor	Fair	Good	Excellent
	<span style="color: red;">■</span>	<span style="color: yellow;">■</span>	<span style="color: green;">■</span>	<span style="color: blue;">■</span>
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)

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





# Death Valley National Park Route Condition Area Map 2 PCR - Mile by Mile

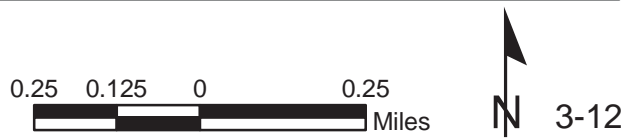
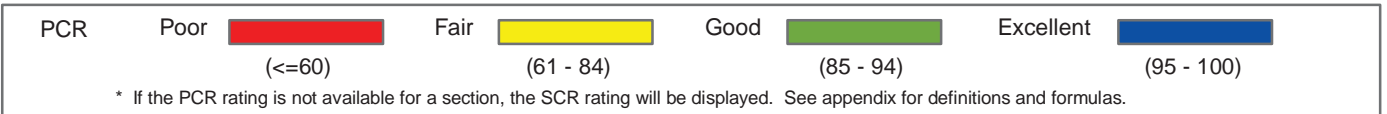
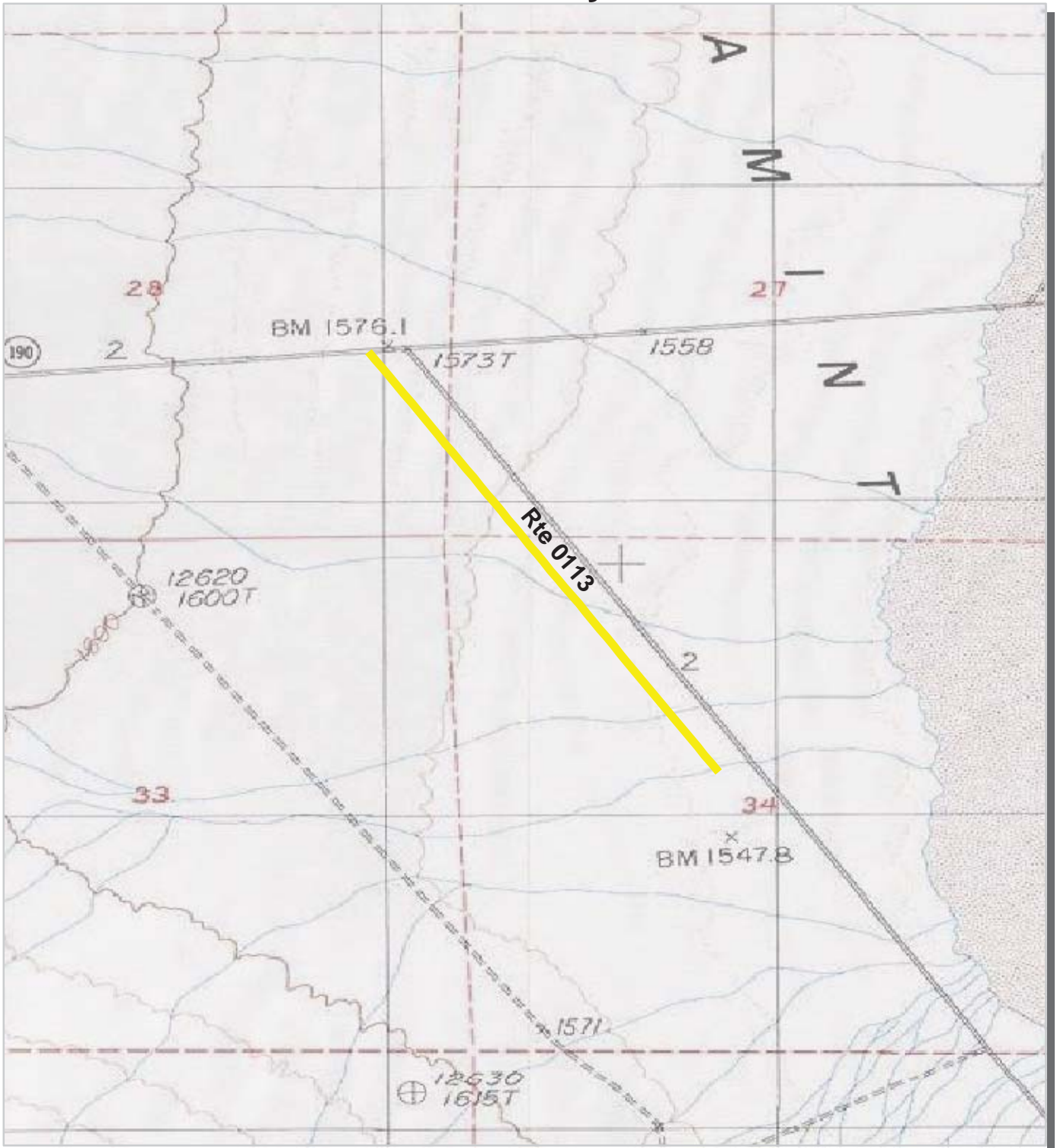


PCR	Poor		Fair		Good		Excellent
	(<=60)		(61 - 84)		(85 - 94)		(95 - 100)

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

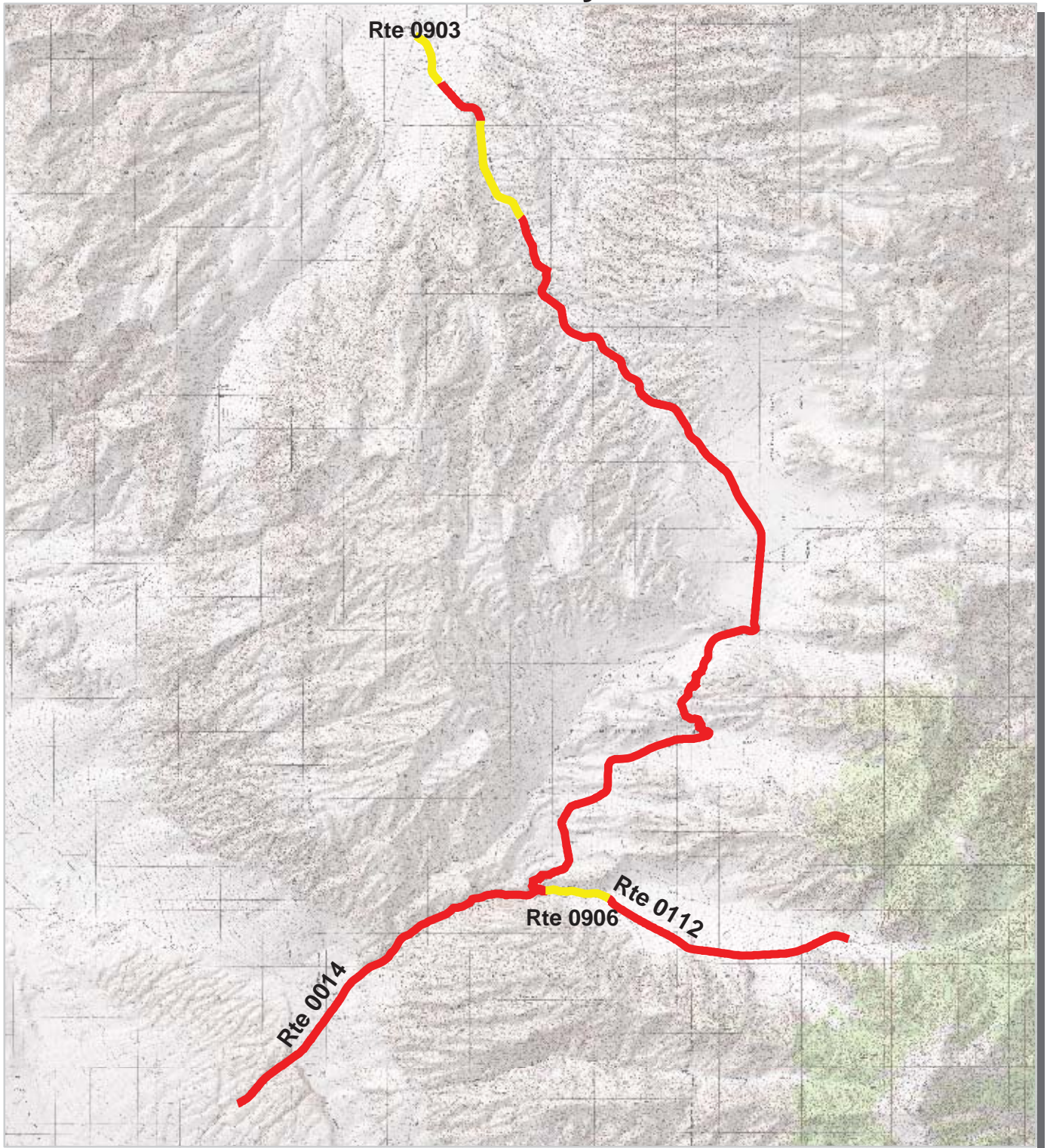


# Death Valley National Park Route Condition Area Map 3 PCR - Mile by Mile



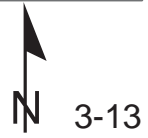
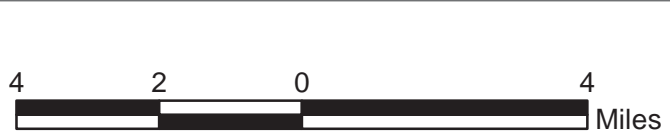


# Death Valley National Park Route Condition Area Map 4 PCR - Mile by Mile



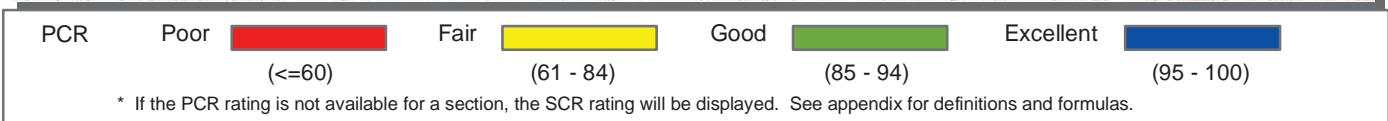
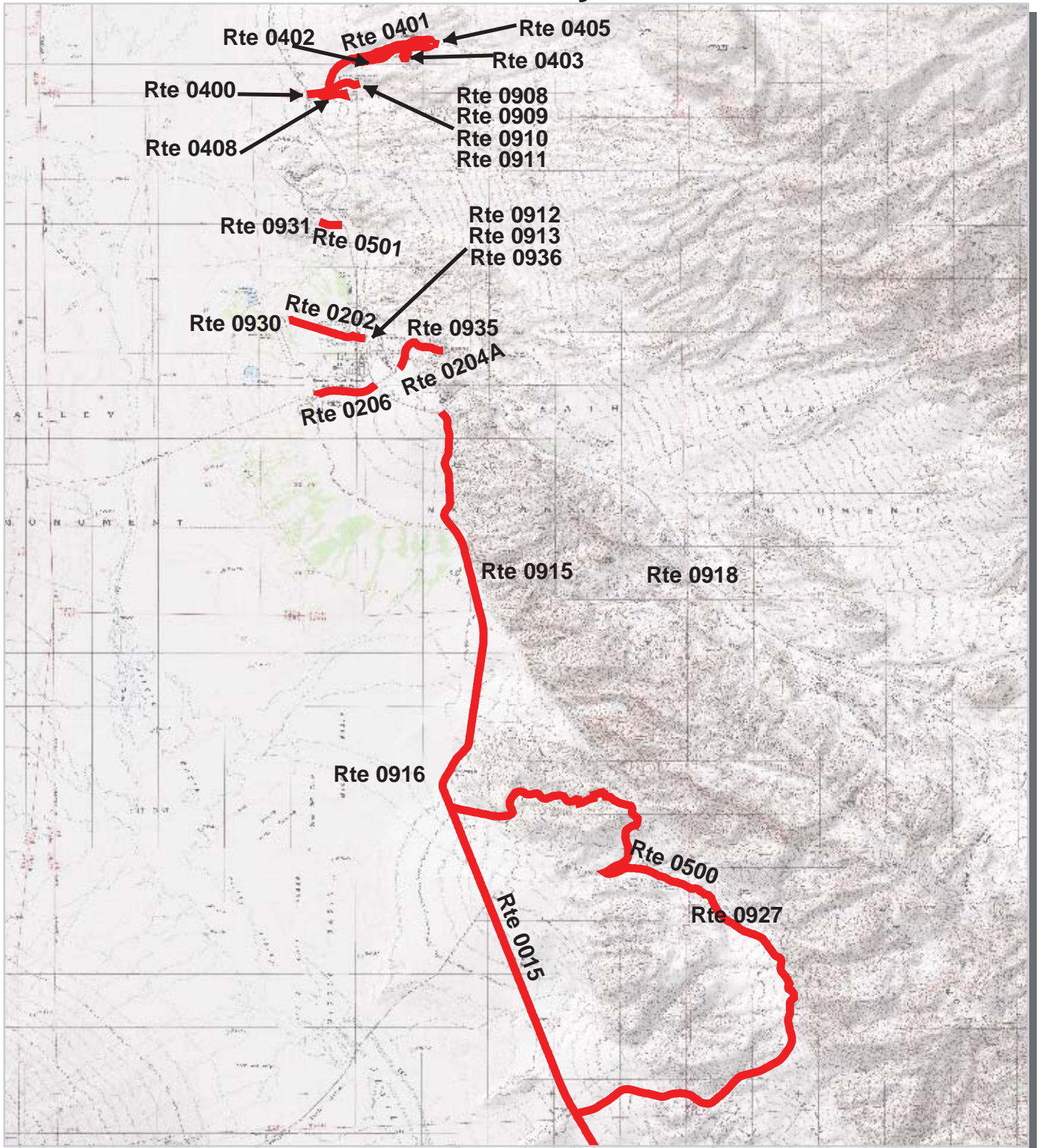
PCR	Poor	<span style="display: inline-block; width: 20px; height: 10px; background-color: red; border: 1px solid black;"></span>	Fair	<span style="display: inline-block; width: 20px; height: 10px; background-color: yellow; border: 1px solid black;"></span>	Good	<span style="display: inline-block; width: 20px; height: 10px; background-color: green; border: 1px solid black;"></span>	Excellent	<span style="display: inline-block; width: 20px; height: 10px; background-color: blue; border: 1px solid black;"></span>
	(<=60)		(61 - 84)		(85 - 94)		(95 - 100)	

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



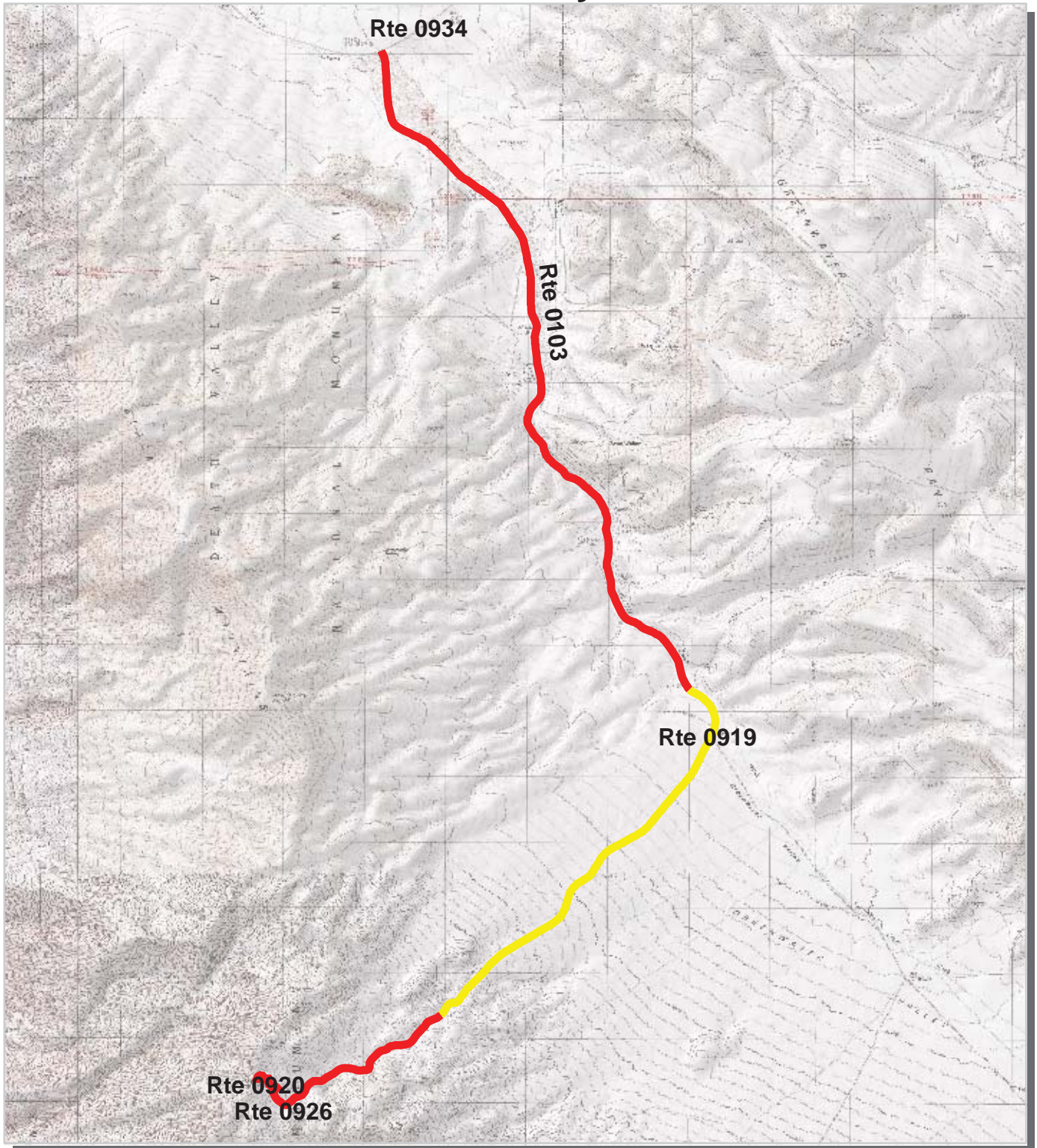


# Death Valley National Park Route Condition Area Map 5 PCR - Mile by Mile





# Death Valley National Park Route Condition Area Map 6 PCR - Mile by Mile



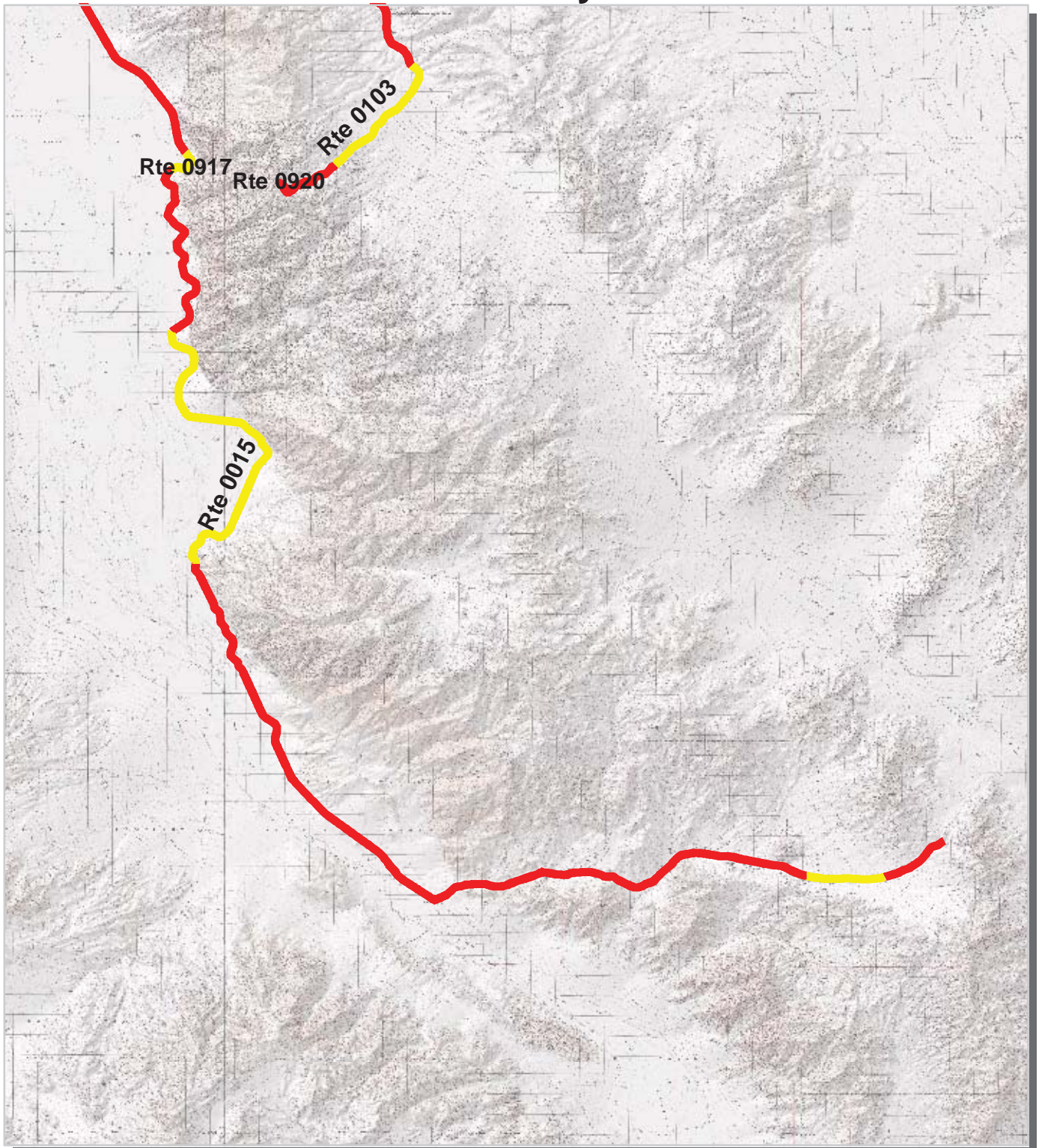
PCR	Poor	<span style="display: inline-block; width: 20px; height: 10px; background-color: red; border: 1px solid black;"></span>	Fair	<span style="display: inline-block; width: 20px; height: 10px; background-color: yellow; border: 1px solid black;"></span>	Good	<span style="display: inline-block; width: 20px; height: 10px; background-color: green; border: 1px solid black;"></span>	Excellent	<span style="display: inline-block; width: 20px; height: 10px; background-color: blue; border: 1px solid black;"></span>
	(<=60)		(61 - 84)		(85 - 94)		(95 - 100)	





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





# Death Valley National Park Route Condition Area Map 7 PCR - Mile by Mile



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

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



# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes approx. mileage

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

## DEVA

### DEATH VALLEY NATIONAL PARK

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0010	51714	DAYLIGHT PASS (MUD CANYON) ROAD	FROM ROUTE 0011 (NPS 05) AT MP 0.58 ON THE RIGHT	TO EAST PARK BOUNDARY	17.19	0.00	17.19	1	2	0	OC
0011	51717	SCOTTYS CASTLE (BONNIE CLAIRE) ROAD	FROM CA 190	TO EAST PARK BOUNDARY (NV STATE BORDER)	40.86	0.00	40.86	1	2	0	AS
0012	51496	BEATTY CUTOFF	FROM CA 190	TO ROUTE 0010 (NPS 06) AT MP 6.66 ON THE RIGHT	9.98	0.00	9.98	1	2	0	OC
0014	51715	EMIGRANT CANYON ROAD	FROM CA 190	TO WEST PARK BOUNDARY	27.54	0.41	27.95	1	2	0	OC
0015	51716	BADWATER ROAD	FROM CA 190	TO EAST PARK BOUNDARY LOCATED 4 MILES PAST PAVEMENT CHANGE AND FOGLINE STARTS	59.94	0.00	59.94	1	2	0	AS
0100		SAND DUNES ROAD	FROM ROUTE 0011 (NPS 05) AT MP 2.90 ON THE LEFT	TO CA 190	0.00	3.50	3.50	2	2	0	GR
0101	60873	SALT CREEK ROAD	FROM CA 190	TO PARKING	0.00	1.30	1.30	2	2	0	GR
0103	51503	DANTE'S VIEW ROAD	FROM CA 190	TO ROUTE 0920	13.17	0.00	13.17	2	2	0	AS
0107	60874	HARRY WADE ROAD	FROM SOUTH PARK BOUNDARY	TO ROUTE 0015 (NPS 01 & 02) AT MP 45.56 ON THE LEFT	0.00	28.20	28.20	2	2	0	GR
0108	60875	BIG PINE ROAD	FROM NORTH PARK BOUNDARY	TO ROUTE 0109 (NPS 49) AT MP 2.82 ON THE RIGHT	0.00	7.00	7.00	2	2	0	GR
0109	51718	UBEHEBE CRATER ROAD	FROM ROUTE 0011 (NPS 05) AT MP 33.15 ON THE LEFT	TO END OF LOOP	6.20	0.00	6.20	2	2	0	OC
0110	60876	WEST SIDE ROAD	FROM ROUTE 0015 (NPS 01 & 02) AT MP 6.04 ON THE RIGHT	TO ROUTE 0015 (NPS 01 & 02) AT MP 41.78 ON THE RIGHT	0.00	40.52	40.52	2	2	0	GR
0112	60877	CHARCOAL KILNS ROAD	FROM ROUTE 0014 (NPS 08) AT MP 21.07 ON THE LEFT	TO ROUTE 0231 (CHARCOAL KILNS)	5.07	3.30	8.37	2	2	0	OC
0113		PANAMINT VALLEY ROAD	FROM CA 190	TO SOUTH PARK BOUNDARY	1.01	0.00	1.01	2	2	0	AS
0116		WILDROSE CAMPGROUND ROAD	FROM ROUTE 0112 (NPS 35) AT MP 0.12 ON THE LEFT	TO CAMPGROUND	0.09	0.00	0.09	2	2	5,554	AS
0201	47986	FURNACE CREEK CAMPGROUND	FROM CA 190	THROUGH CAMPGROUND	0.64	0.00	0.64	3	2	153,707	AS
0202	51677	FURNACE CREEK AIRPORT ROAD	FROM CA 190	TO ROUTE 0930	0.78	0.00	0.78	3	2	0	AS
0203		SUNSET CAMPGROUND	FROM ROUTE 0204A (NPS 27)	THROUGH CAMPGROUND	1.02	0.00	1.02	3	1	233,326	AS
0204A		TEXAS SPRING / SUNSET CAMPGROUNDS ACCESS ROAD	FROM CA 190	TO ROUTE 0204B (NPS 27)	0.67	0.00	0.67	2	2	0	AS
0204B		TEXAS SPRING CAMPGROUND LOOPS	END OF ROUTE 0204A (NPS 27)	THROUGH CAMPGROUND	3.05	0.00	3.05	3	1	175,875	AS
0206		TIMBISHA SHOSHONE VILLAGE ROAD	FROM CA 190	TO VILLAGE ENTRANCE	0.61	0.00	0.61	3	2	0	AS
0208		DESOLATION CANYON ROAD	FROM ROUTE 0015	TO END	0.00	1.50	1.50	4	2	0	GR



# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes approx. mileage

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

## DEVA

### DEATH VALLEY NATIONAL PARK

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0209	60879	NATURAL BRIDGE ROAD	FROM ROUTE 0015 (NPS 01 & 02) AT MP 13.02 RIGHT	TO PARKING	0.00	1.50	1.50	4	2	0	GR
0211	60880	KEANE WONDER MINE ROAD	FROM ROUTE 0012 (NPS 04) AT MPS 5.64 & 5.68 RIGHT	TO PARKING	0.00	2.82	2.82	4	2	0	GR
0212A	60882	MESQUITE SPRING CAMPGROUND ACCESS ROAD	FROM ROUTE 0011 (NPS 05) AT MP 32.56 ON THE LEFT	TO ROUTE 0212B (NPS 12)	1.87	0.00	1.87	2	2	0	OC
0212B		MESQUITE SPRING CAMPGROUND	FROM ROUTE 0212A	THROUGH CAMPGROUND	1.29	0.00	1.29	3	1	74,389	OC
0215	60883	MOSAIC CANYON ROAD	FROM CA 190	TO PARKING	0.00	2.40	2.40	4	2	0	GR
0216	60884	ARGUEREBERRY POINT ROAD	FROM ROUTE 0014 (NPS 08) AT MP 11.81	TO PARKING	0.00	6.70	6.70	4	2	0	GR
0217		THORNDIKE CAMPGROUND	FROM ROUTE 0231 (NPS 35)	THROUGH CAMPGROUND	0.00	0.00	0.00	3	1	0	GR
0219	60885	SKIDOO ROAD	FROM ROUTE 0014 (NPS 08) AT MP 9.44 ON LEFT	TO SKIDOO MILL	0.00	11.00	11.00	4	2	0	GR
0223		CHLORIDE CLIFFS ROAD	FROM ROUTE 0010	TO CHLORIDE CITY	0.00	10.30	10.30	4	2	0	GR
0225	60318	RACETRACK VALLEY ROAD	FROM ROUTE 0109 (NPS 49) AT MP 5.68 ON RIGHT	TO SPLIT AT TEA KETTLE JUNCTION	0.00	34.10	34.10	4	2	0	GR
0228	54792	DEVILS GOLF COURSE ROAD	FROM ROUTE 0015 (NPS 01 & 02) AT MP 11.00 ON RIGHT	TO END	0.00	1.30	1.30	4	2	0	GR
0229		SARATOGA SPRINGS ROAD	FROM SOUTH PARK BOUNDARY	TO PARKING	0.00	3.60	3.60	4	2	0	GR
0230		STOVEPIPE WELLS LANDING STRIP ROAD	FROM CA 190	TO ROUTE 0414 (NPS 82)	0.51	0.00	0.51	3	2	0	AS
0231		MAHOGONY FLATS ROAD	FROM END OF ROUTE 0112	TO MAHOGONY FLATS CAMPGROUND	0.00	0.00	0.00	4	2	0	GR
0400	51497	COW CREEK SERVICE ROAD	FROM CA 190	TO ROUTE 0911	0.55	0.00	0.55	5	2	0	OC
0401	47981	OLD GHOST ROAD	FROM ROUTE 0400 AT MP 0.25 ON THE LEFT	TO ROUTE 0402 AND ROUTE 0405	1.29	0.00	1.29	5	2	0	AS
0402	47985	SKYLINE ROAD	FROM ROUTES 0401 & 0405 (NPS 50)	TO ROUTE 0401 AT MP 0.46 ON THE RIGHT	0.83	0.00	0.83	5	2	0	OC
0403	47984	COYOTE LOOP	FROM ROUTE 0402 AT MP 0.24 ON THE LEFT	TO END OF LOOP	0.28	0.00	0.28	5	2,1	0	AS
0404		LANDFILL ROAD	FROM CA 190	TO LANDFILL	0.00	0.80	0.80	6	2	0	GR
0405	47983	NEVARRES ROAD	FROM ROUTES 0401 & 0402	TO END	0.07	0.00	0.07	5	2	0	AS
0407		GRAPEVINE SERVICE ROAD	FROM ROUTE 0011 AT MP 33.86 ON THE RIGHT	TO ROUTE 0928	0.06	0.00	0.06	5	2	0	OC
0408	64578	SALT PAN VISTA ROAD	FROM ROUTE 0400 AT MP 0.12 ON THE RIGHT	TO END OF LOOP	0.31	0.00	0.31	5	2	0	AS
0409		GRAPEVINE RESIDENCE ROAD	FROM ROUTE 0407 AT MP 0.02 ON THE RIGHT	TO END	0.11	0.00	0.11	5	2	12,453	AS
0410		GRAPEVINE BONEYARD ROAD	FROM ROUTE 011, AT MP 32.93 ON THE RIGHT	TO BONEYARD	0.00	0.00	0.00	6	2	0	GR
0412		WILDROSE RESIDENCE ROAD	FROM ROUTE 0112 AT MP 0.36 ON THE RIGHT	TO ROUTE 0122 AT MP 0.48 ON THE RIGHT	0.11	0.00	0.11	5	2	9,137	AS
0413		FURNACE CREEK AIRSTRIP	ADJACENT TO ROUTE 0930		0.50	0.00	0.50	6	1	209,284	AS

# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:  
Red text denotes approx. mileage

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

## DEVA

### DEATH VALLEY NATIONAL PARK

Rte. #	FMSS Asset #	Route Name	Route Description From To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0414		STOVEPIPE WELLS LANDING STRIP	AT END OF ROUTE 0230 (NPS 82)	0.62	0.00	0.62	6	1	299,559	AS
0415	47987	SIMS CIRCLE RV PARK	FROM ROUTE 0401 MP 0.04 ON THE RIGHT TO END	0.09	0.00	0.09	6	1	8,763	AS
0416		BREAKFAST CANYON ADMINISTRATIVE ROAD	ADJACENT TO ROUTE 015 (NPS 01 & 02), AT MP 0.62 ON THE LEFT	0.00	0.00	0.00	6	2	0	GR
0500	51678	ARTIST DRIVE	FROM ROUTE 0015 (NPS 01 & 02) AT MP 8.56 ON THE LEFT TO ROUTE 0015 (NPS 01 & 02) AT MP 4.80 ON THE LEFT	8.86	0.00	8.86	2	1	0	AS
0501		HARMONY BORAX WORKS ROAD	FROM CA 190 TO ROUTES 0931 & 0504	0.24	0.00	0.24	3	2	0	AS
0502	60886	TWENTY MULE TEAM CANYON ROAD	FROM CA 190 WEST TO CA 190 EAST	0.00	2.70	2.70	4	1	0	GR
0503	51719	TITUS CANYON ROAD	FROM EAST PARK BOUNDARY TO ROUTE 0011 AT MP 14.84 ON THE RIGHT	0.00	26.90	26.90	4	2	0	GR
0504	60887	MUSTARD CANYON	FROM END OF ROUTE 0501 TO CA 190	0.00	1.30	1.30	4	1	0	GR
0505		LOWER VINE RANCH ROAD	FROM ROUTE 0109 TO END	0.00	1.20	1.20	4	1	0	GR
0900	60888	SCOTTY'S CASTLE PARKING	FROM ROUTE 0011 (NPS 05) AT MP 35.96 TO ROUTE 0011 (NPS 05) AT MP 36.06	0.00	0.00	0.00	9	0	93,064	AS
0901	60889	UBEHEBE CRATER PARKING	ADJACENT TO ROUTE 0109 (NPS 49) AT MP 6.00 ON THE LEFT AND RIGHT	0.00	0.00	0.00	9	0	8,713	OC
0903	60890	EMIGRANT REST AREA PARKING	FROM CA 190 TO PARKING	0.00	0.00	0.00	9	0	23,678	AS
0906		WILDROSE UTILITY AREA	ADJACENT TO ROUTE 0112 (NPS 35) AT MP 0.39 ON THE LEFT	0.00	0.00	0.00	9	0	7,945	AS
0908		SIMS CIRCLE	ADJACENT TO ROUTE 0401 (NPS 50) MP 0.085 ON THE RIGHT	0.00	0.00	0.00	9	0	18,754	OC
0909	51498	COW CREEK ADMINISTRATIVE PARKING	ADJACENT TO ROUTE 0400 (NPS 50) AT MP 0.32 ON THE LEFT AND RIGHT	0.00	0.00	0.00	9	0	11,367	OC
0910		COW CREEK MAINTENANCE YARD	ADJACENT TO ROUTE 0400 (NPS 50) MP 0.395 ON THE RIGHT	0.00	0.00	0.00	9	0	49,800	AS
0911		FIRE RESERVOIR PARKING	AT END OF ROUTE 0400	0.00	0.00	0.00	9	0	3,026	AS
0912	51499	FURNACE CREEK ADMINISTRATIVE PARKING	ADJACENT TO CA 190	0.00	0.00	0.00	9	0	26,464	AS
0913	51675	FURNACE CREEK VISITOR CENTER PARKING	ADJACENT TO ROUTE 0202 (NPS 47) MP 0.025 ON THE RIGHT	0.00	0.00	0.00	9	0	51,204	AS
0915		GOLDEN CANYON PARKING	ADJACENT TO ROUTE 0015 (NPS 01 & 02) AT MP 2.025 ON THE LEFT	0.00	0.00	0.00	9	0	19,705	OC
0916		MUSHROOM ROCK PARKING	ADJACENT TO ROUTE 0015 (NPS 01 & 02) AT MP 4.405 ON THE LEFT	0.00	0.00	0.00	9	0	5,016	OC
0917		BADWATER PARKING	FROM ROUTE 0015 (NPS 01 & 02) AT MP 16.48 ON THE RIGHT TO ROUTE 0015 (NPS 01 & 02) AT MP 16.525 ON THE RIGHT	0.00	0.00	0.00	9	0	10,311	NC

# NPS/RIP Route ID Report

(Numerical By Route #)

Page 4 of 5

Shading Color Key:

Red text denotes  
approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Grey = Paved Routes, ARAN not Driven

Red =

Green = All Unpaved Parking Areas

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

Purple =

## DEVA

### DEATH VALLEY NATIONAL PARK

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0918		ZABRISKIE POINT PARKING	ADJACENT TO CA 190		0.00	0.00	0.00	9	0	20,933	AS
0919	51506	DANTE'S VIEW TRAILER PARKING	FROM ROUTE 0103 (NPS 30) AT MP 7.5 ON THE RIGHT		0.00	0.00	0.00	9	0	20,365	NC
0920	51505	DANTE'S VIEW PARKING	AT END OF ROUTE 0103 (NPS 30)		0.00	0.00	0.00	9	0	25,327	AS
0921		TULE SPRING PARKING	ADJACENT TO ROUTE 0110		0.00	0.00	0.00	9	0	0	GR
0922		SHORTY'S WELL PARKING	ADJACENT TO ROUTE 0110		0.00	0.00	0.00	9	0	0	GR
0923		EAGLE BORAX PARKING	ADJACENT TO ROUTE 0110		0.00	0.00	0.00	9	0	0	GR
0924		BENNETT'S WELL PARKING	ADJACENT TO ROUTE 0110		0.00	0.00	0.00	9	0	0	GR
0925		ASHFORD MILL RUINS PARKING	ADJACENT TO ROUTE 0015 (NPS 01 & 02) AT MP 43.52 ON THE RIGHT		0.00	0.00	0.00	9	0	0	GR
0926	51504	DANTE'S VIEW REST AREA/TRAILER TURN AROUND	FROM ROUTE 0103 (NPS 30) AT MP 12.63 ON THE LEFT	TO ROUTE 0103 (NPS 30) AT MP 12.67 ON THE LEFT	0.00	0.00	0.00	9	0	8,897	OC
0927		ARTIST PALETTE PARKING	ADJACENT TO ROUTE 0500 MP 4.28 ON THE RIGHT		0.00	0.00	0.00	9	0	22,636	AS
0928	59189	GRAPEVINE MAINTENANCE AREA	AT END OF ROUTE 0407 (NPS 56)		0.00	0.00	0.00	9	0	8,523	OC
0929		GRAPEVINE RANGER STATION PARKING	FROM ROUTE 0011 (NPS 05) AT MP 32.96 ON THE LEFT	TO ROUTE 0011 (NPS 05) AT MP 33.02 ON THE LEFT	0.00	0.00	0.00	9	0	12,933	AS
0930	60260	FURNACE CREEK AIRPORT PARKING	AT END OF ROUTE 0202		0.00	0.00	0.00	9	0	239,688	AS
0931	60891	HARMONY BORAX WORKS PARKING	FROM ROUTE 0501 (NPS 24) AT MP 0.195	TO ROUTE 0501 (NPS 24) AT MP 0.23	0.00	0.00	0.00	9	0	20,983	OC
0932		MUD CANYON MUSHROOM (INFORMATION KIOSK) PARKING	FROM ROUTE 0011 (NPS 05) AT MP 0.71 ON THE RIGHT	TO ROUTE 0011 (NPS 05) AT MP 0.785 ON THE RIGHT	0.00	0.00	0.00	9	0	18,186	AS
0933		STOVEPIPE WELLS RANGER STATION PARKING	ADJACENT TO CA 190		0.00	0.00	0.00	9	0	7,144	AS
0934	51689	RYAN MUSHROOM (INFORMATION KIOSK) PARKING	FROM CA 190 NEAR ROUTE 0103	TO CA 190 NEAR ROUTE 0103	0.00	0.00	0.00	9	0	12,243	OC
0935		TEXAS SPRING CAMPGROUND DUMP STATION	FROM ROUTE 0204A AT MP 0.22 ON THE LEFT	TO ROUTE 0204A AT MP 0.26 ON THE LEFT	0.00	0.00	0.00	9	0	2,907	AS
0936		FURNACE CREEK DUMP STATION	ADJACENT TO CA 190 NEAR FURNACE CREEK VISITOR CENTER		0.00	0.00	0.00	9	0	7,269	AS
<b>Totals:</b>					205.41	192.35	397.76			1,939,125	

# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

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

### General Park Road Functional Classification Table

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

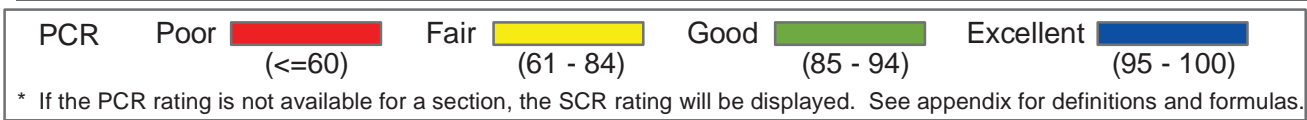
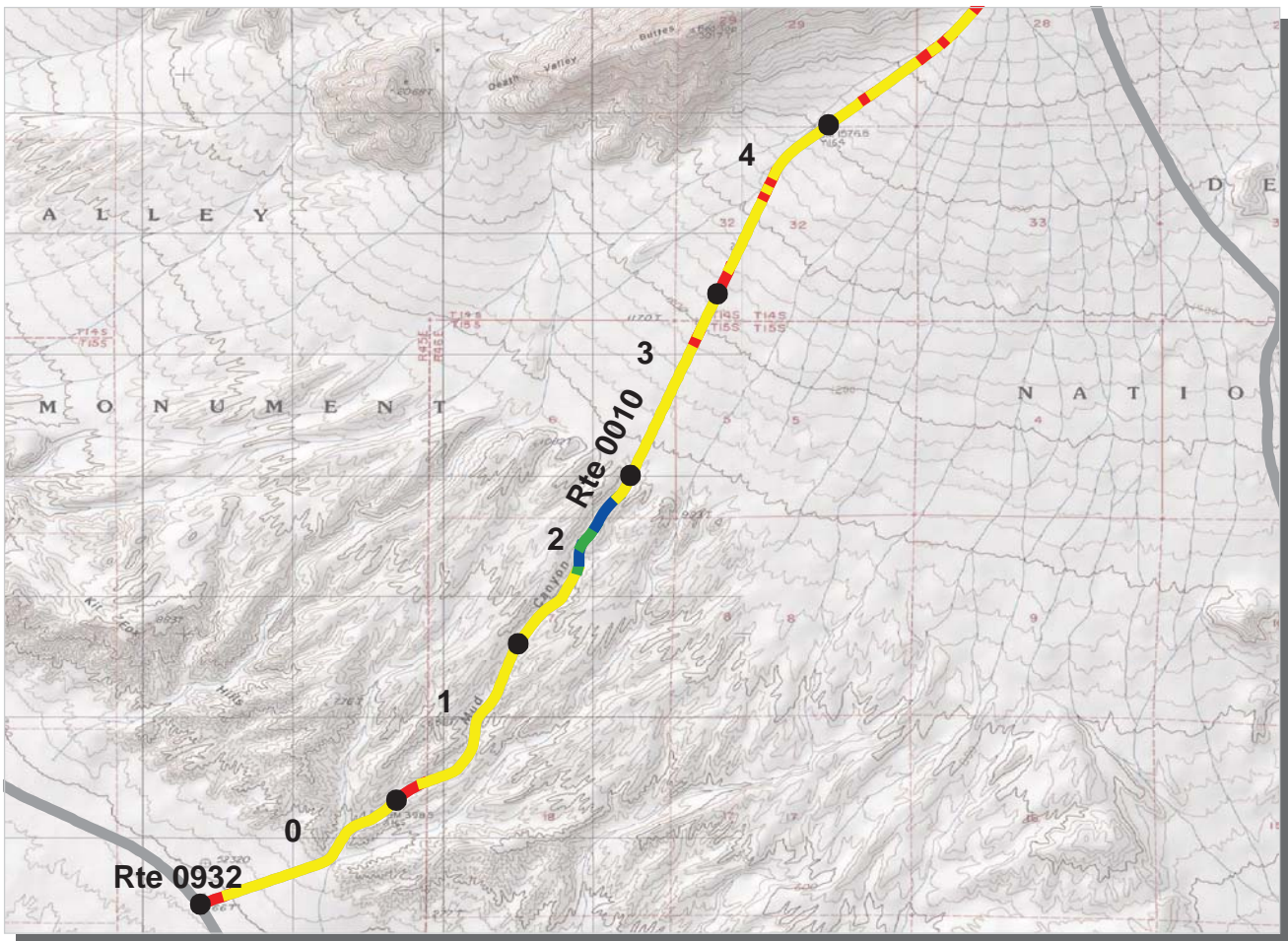
### Surface Type Abbreviations:

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

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

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

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



**Pacific West Region**  
**DEVA : Death Valley National Park**

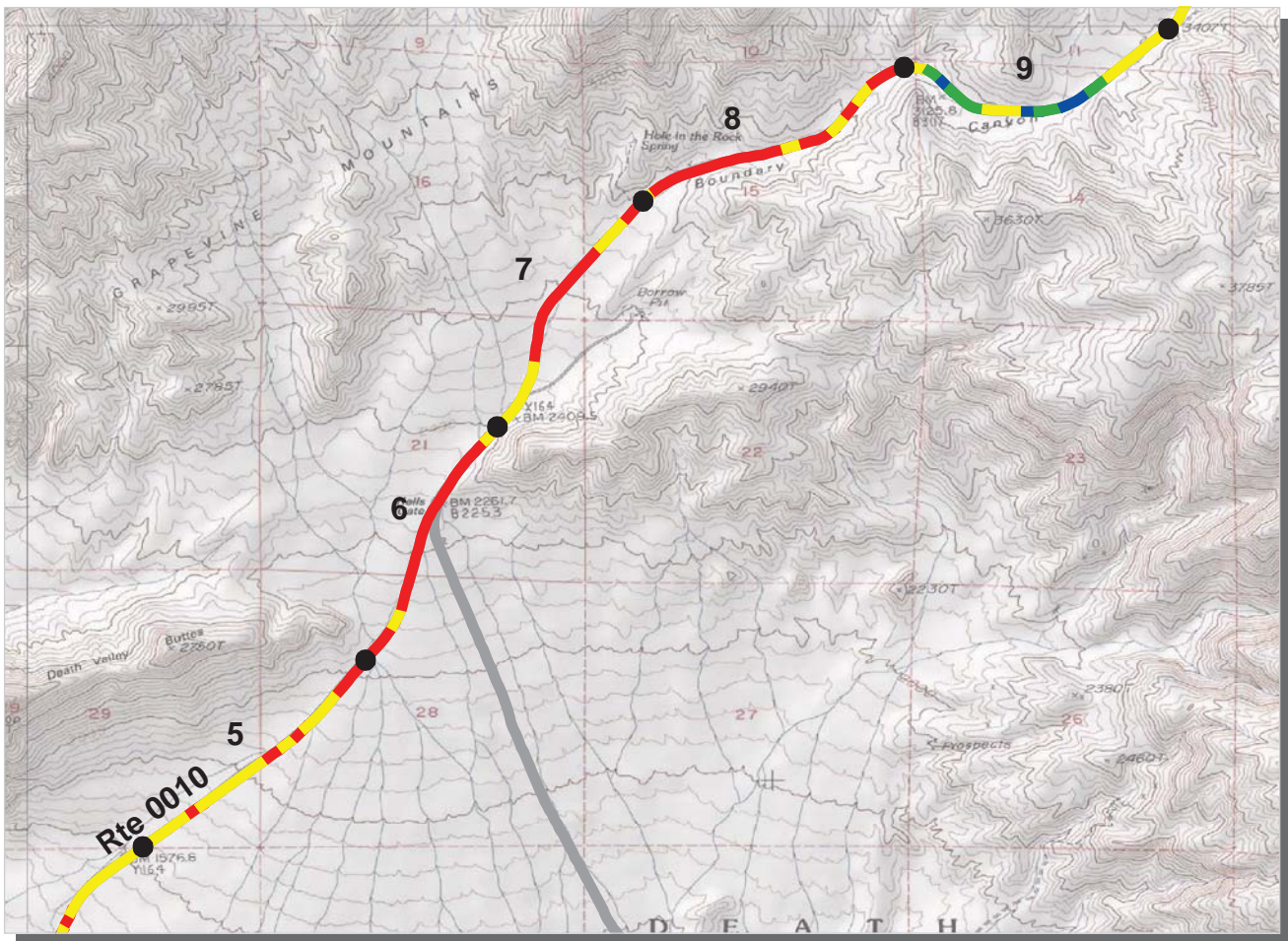
**ROUTE: 0010 Daylight Pass (Mud Canyon) Road** **TOTAL LENGTH: 17.19 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	20	19	19	18
Lane Width (ft)	9	10	9	10	9
Shoulder Width (ft)	10	10	6	8	9
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	64	70	81	69	63
RCI (Roughness Condition Index)	98	99	95	98	92
SCR (Surface Condition Rating)	43	50	71	49	44
Alligator Cracking Index	100	100	100	100	100
Rutting Index	56	61	78	59	63
Patching Index	100	100	99	100	87
Transverse Cracking Index	88	90	93	91	95
Longitudinal Cracking Index	98	98	99	99	98
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0010 Daylight Pass (Mud Canyon) Road**

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





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

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

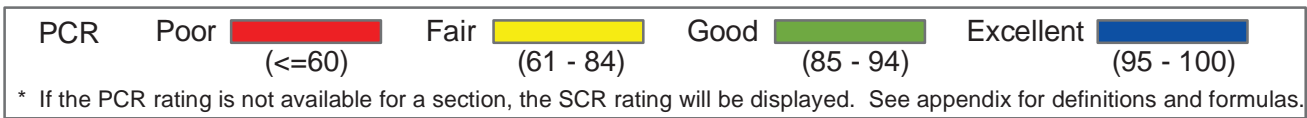
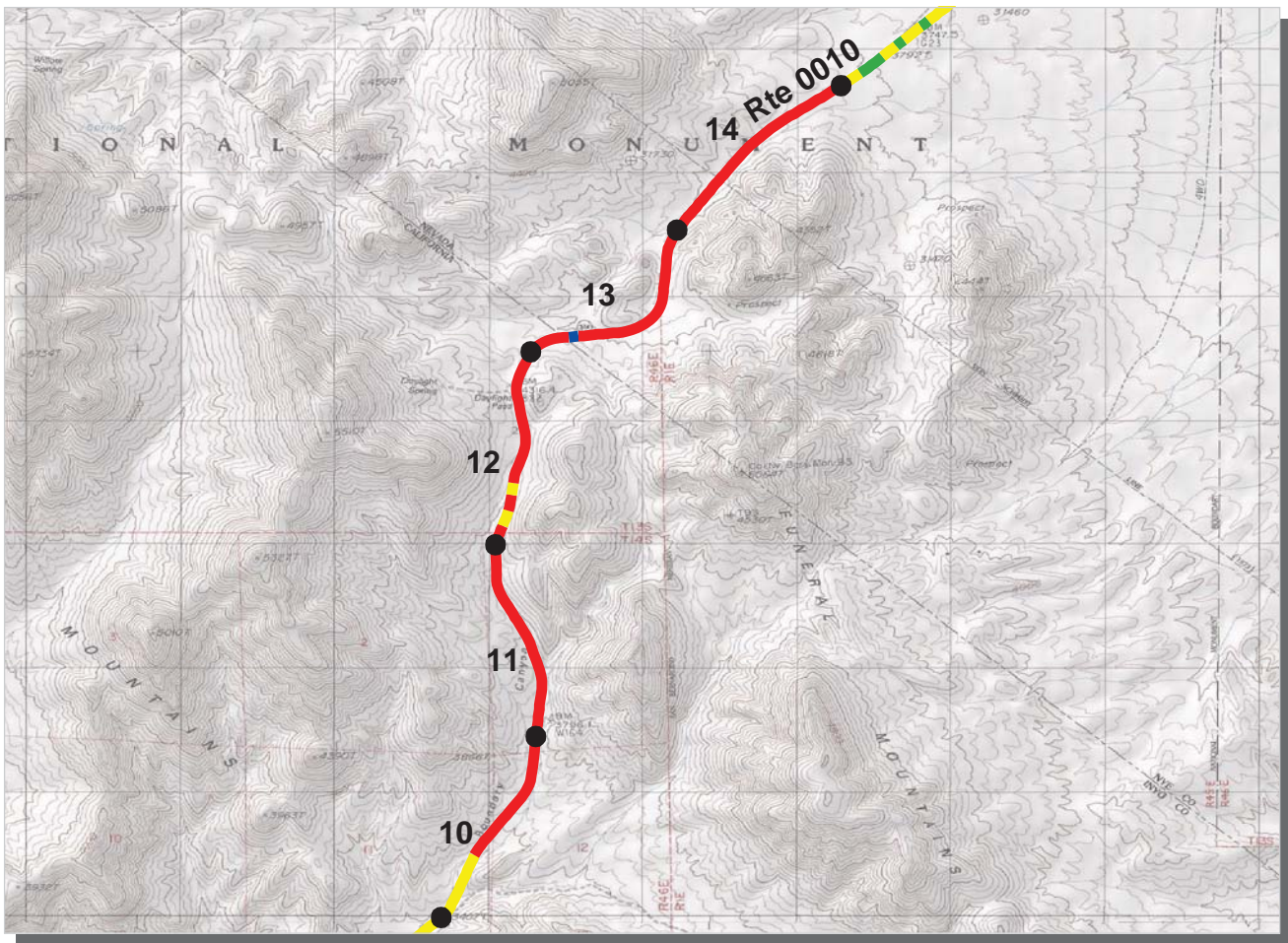
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0010 Daylight Pass (Mud Canyon) Road**      **TOTAL LENGTH: 17.19 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	21	22	21	20
Lane Width (ft)	10	10	11	11	11
Shoulder Width (ft)	9	10	7	8	8
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	63	53	60	58	83
RCI (Roughness Condition Index)	92	87	91	89	91
SCR (Surface Condition Rating)	43	30	39	36	79
Alligator Cracking Index	100	100	100	100	100
Rutting Index	53	47	59	56	81
Patching Index	99	100	100	100	100
Transverse Cracking Index	92	87	86	85	97
Longitudinal Cracking Index	97	95	94	94	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

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

**ROUTE: 0010 Daylight Pass (Mud Canyon) Road**



**Pacific West Region**  
**DEVA : Death Valley National Park**

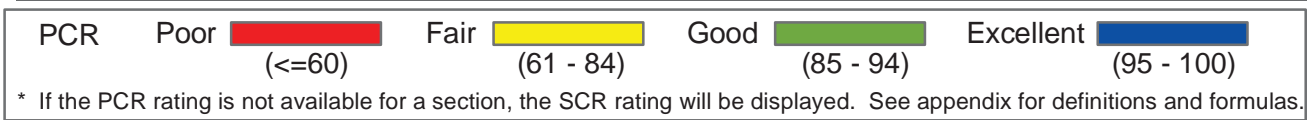
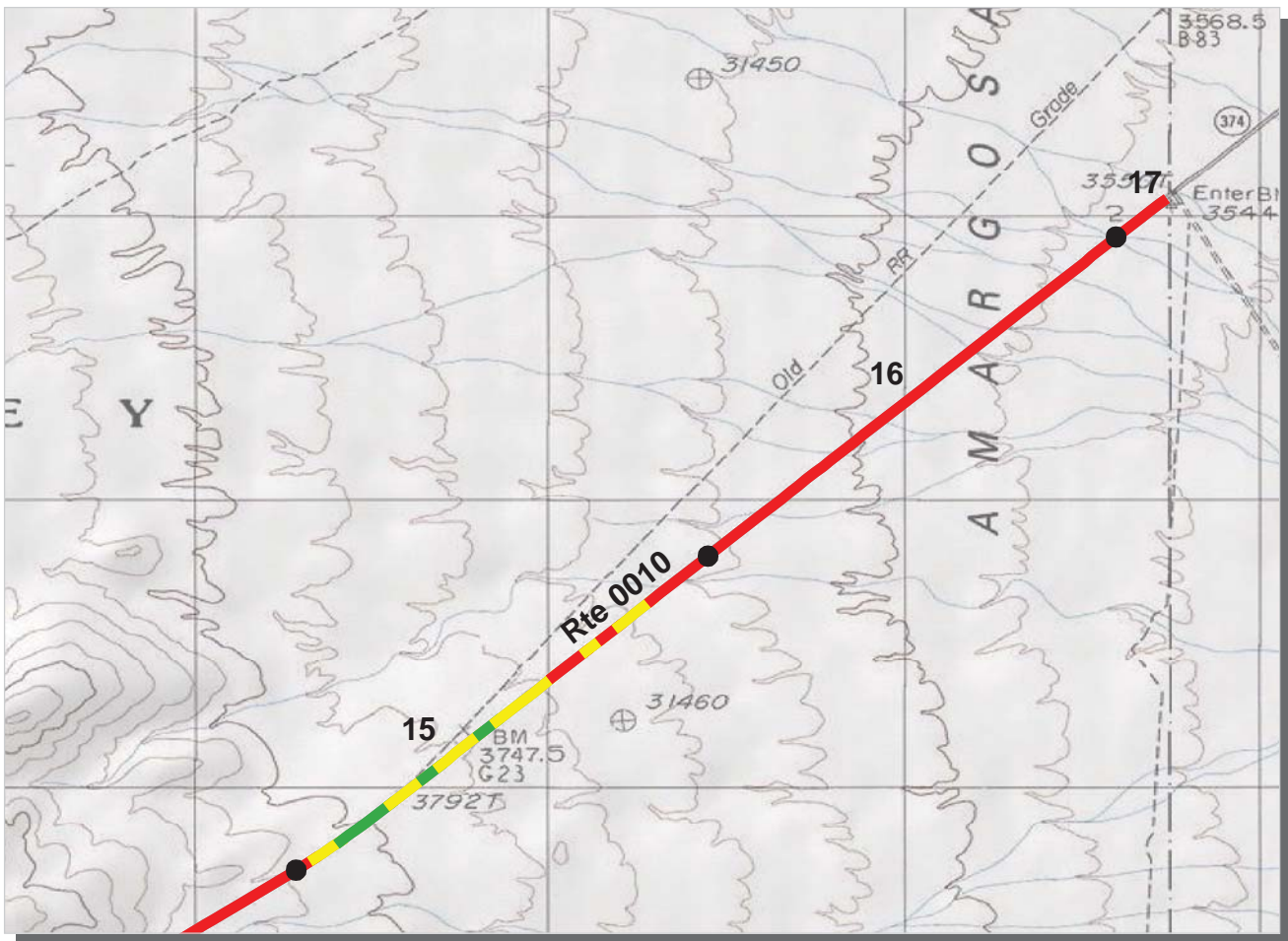
**ROUTE: 0010 Daylight Pass (Mud Canyon) Road** **TOTAL LENGTH: 17.19 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	19	18	20
Lane Width (ft)	10	10	10	9	10
Shoulder Width (ft)	7	10	7	0	7
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	54	44	50	35	22
RCI (Roughness Condition Index)	74	65	70	62	52
SCR (Surface Condition Rating)	41	31	38	15	1
Alligator Cracking Index	100	99	98	78	47
Rutting Index	59	59	59	49	54
Patching Index	100	100	99	99	98
Transverse Cracking Index	89	84	89	84	72
Longitudinal Cracking Index	92	87	90	86	78
Shoulder Condition Rating	GOOD	GOOD	GOOD	N/A	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

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

**ROUTE: 0010 Daylight Pass (Mud Canyon) Road**





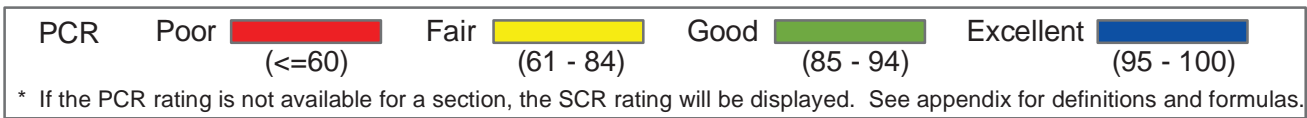
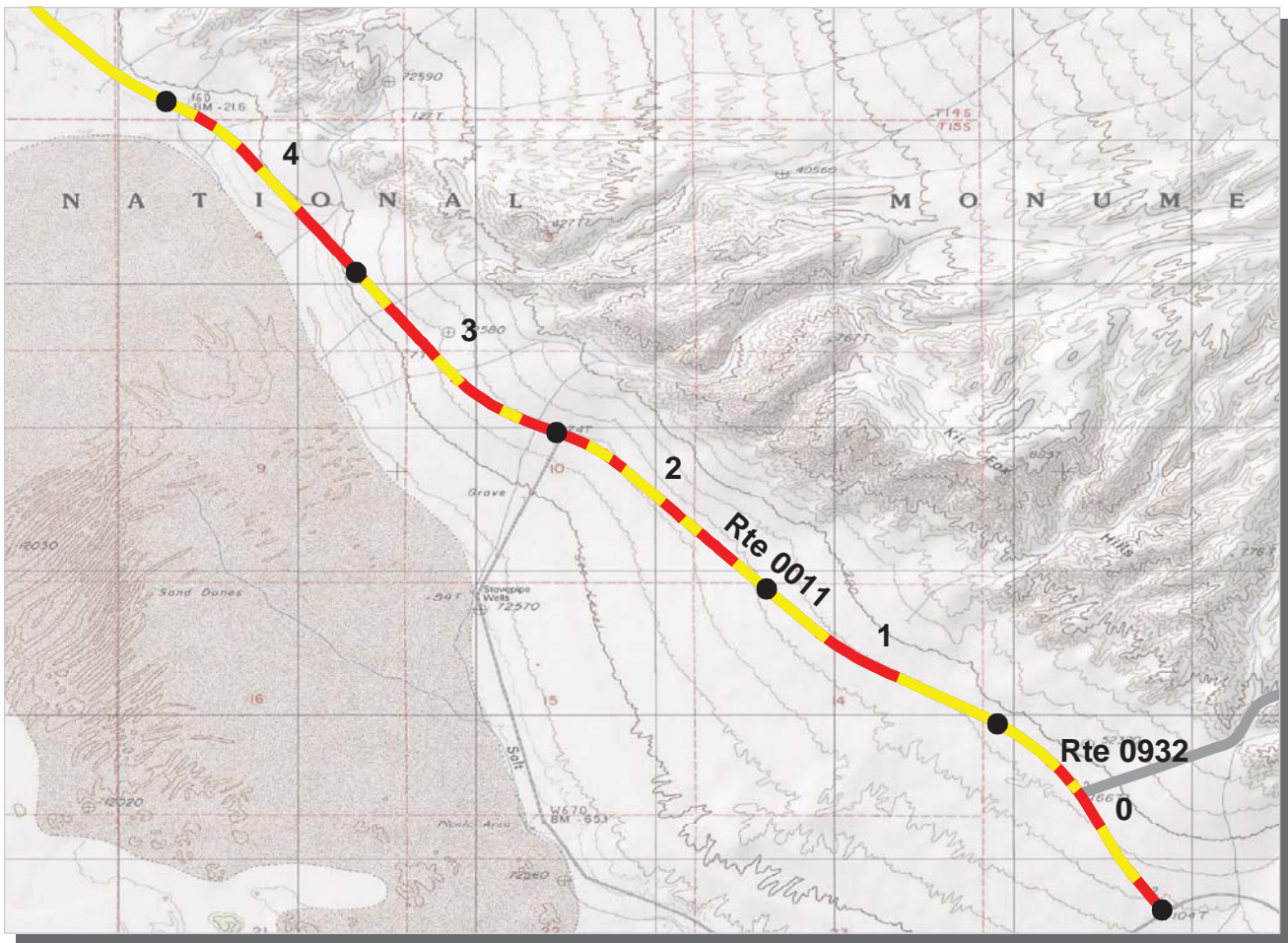
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0010 Daylight Pass (Mud Canyon) Road** **TOTAL LENGTH: 17.19 Miles**

Section Number	15	16	17		
Section Length (mi)	1.00	1.00	0.19		
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2		
Paved Width (ft)	18	20	20		
Lane Width (ft)	9	10	10		
Shoulder Width (ft)	10	9	18		
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	68	31	46		
RCI (Roughness Condition Index)	88	68	86		
SCR (Surface Condition Rating)	54	7	21		
Alligator Cracking Index	88	53	84		
Rutting Index	72	49	59		
Patching Index	100	99	100		
Transverse Cracking Index	93	82	90		
Longitudinal Cracking Index	94	87	87		
Shoulder Condition Rating	GOOD	GOOD	GOOD		
Drainage Condition Rating	GOOD	GOOD	GOOD		

**ROUTE: 0010 Daylight Pass (Mud Canyon) Road**

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



**Pacific West Region**  
**DEVA : Death Valley National Park**

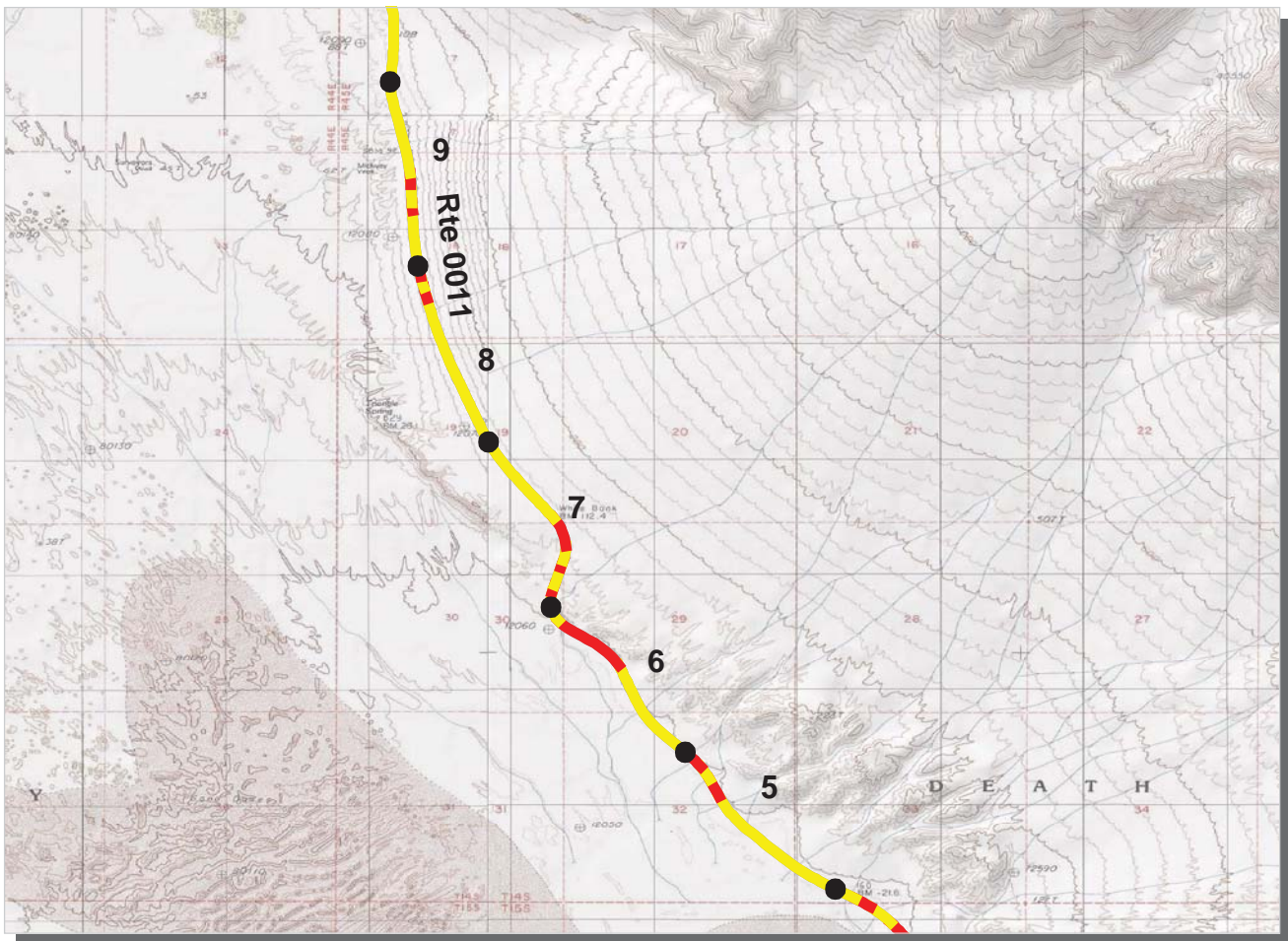
**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road** **TOTAL LENGTH: 40.86 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	19	19	20	19
Lane Width (ft)	9	10	10	10	9
Shoulder Width (ft)	25	7	7	11	11
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	62	61	60	59	59
RCI (Roughness Condition Index)	92	98	98	98	92
SCR (Surface Condition Rating)	44	37	35	32	37
Alligator Cracking Index	99	99	99	100	97
Rutting Index	61	62	59	55	57
Patching Index	100	100	99	99	99
Transverse Cracking Index	86	79	81	80	83
Longitudinal Cracking Index	95	95	94	96	97
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Scottys Castle (Bonnie Claire) Road

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





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

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

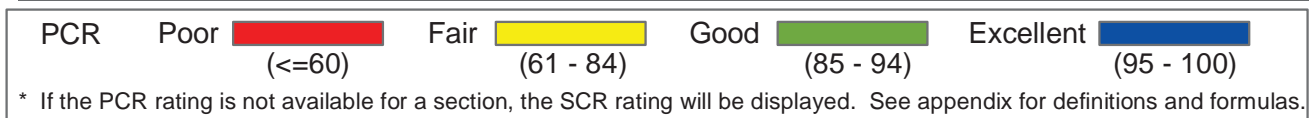
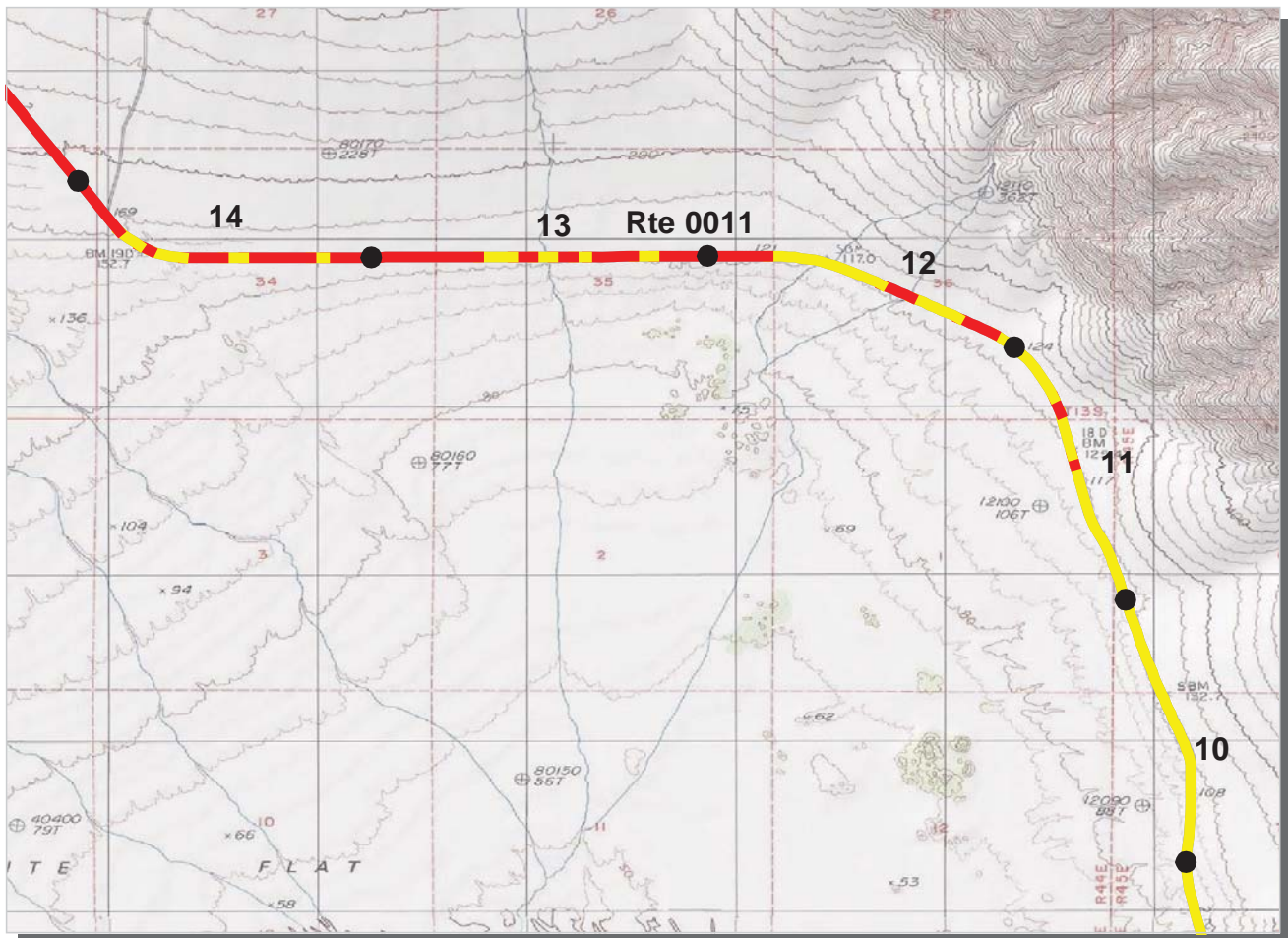
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road                      TOTAL LENGTH: 40.86 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	21	19	19	19
Lane Width (ft)	9	10	10	10	10
Shoulder Width (ft)	10	11	8	8	9
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	63	60	65	68	67
RCI (Roughness Condition Index)	82	94	95	98	97
SCR (Surface Condition Rating)	49	38	44	49	47
Alligator Cracking Index	98	87	95	100	99
Rutting Index	60	62	59	61	61
Patching Index	100	100	100	100	100
Transverse Cracking Index	92	85	90	88	88
Longitudinal Cracking Index	98	97	97	98	98
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road**

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



**Pacific West Region**  
**DEVA : Death Valley National Park**

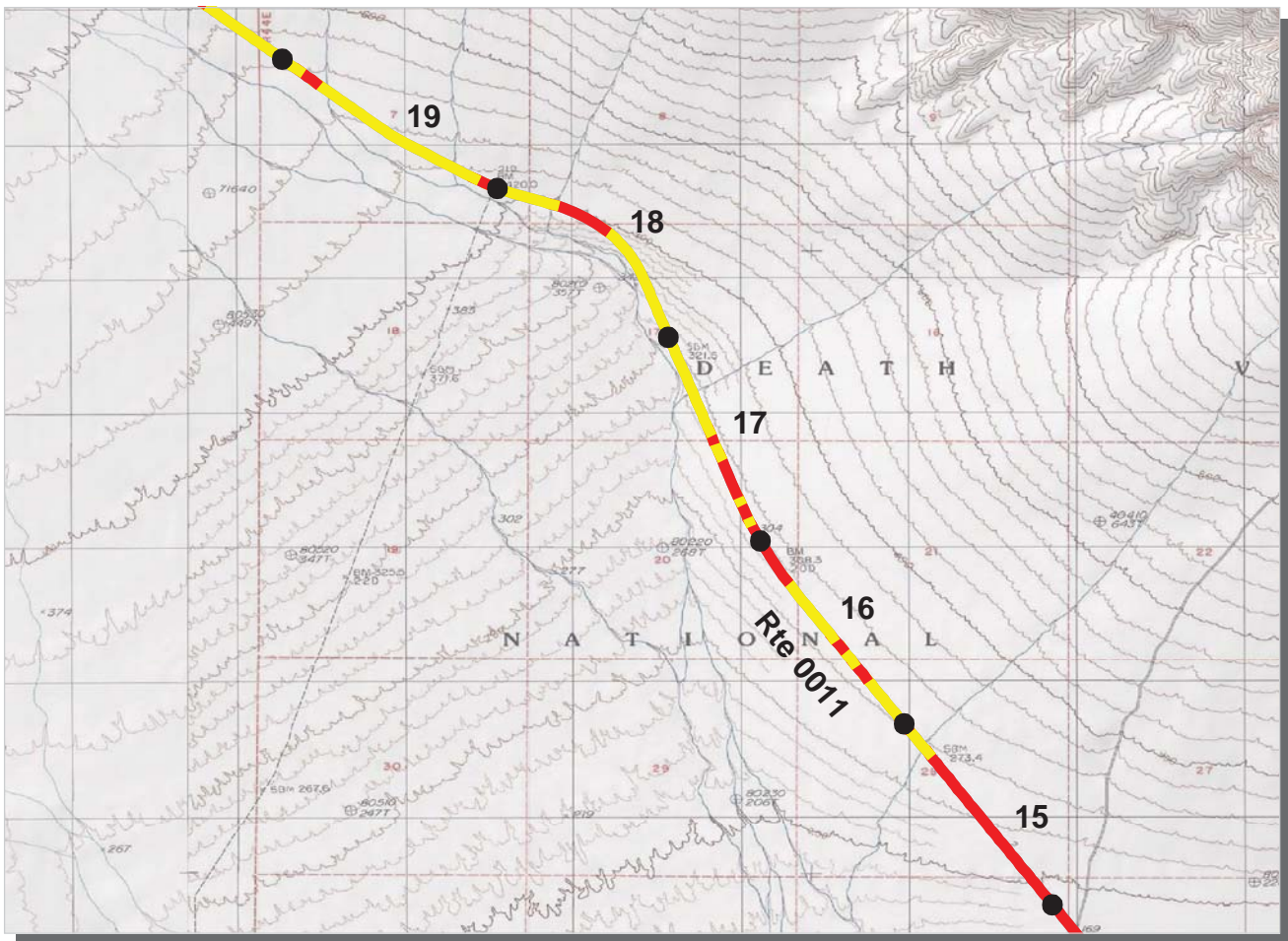
**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road** **TOTAL LENGTH: 40.86 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	20	19	20
Lane Width (ft)	9	9	11	9	9
Shoulder Width (ft)	24	22	22	7	8
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	69	64	64	55	55
RCI (Roughness Condition Index)	95	90	87	93	92
SCR (Surface Condition Rating)	52	47	49	29	30
Alligator Cracking Index	100	98	100	100	100
Rutting Index	53	51	60	64	62
Patching Index	100	99	100	100	99
Transverse Cracking Index	98	98	93	75	76
Longitudinal Cracking Index	99	98	96	89	90
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

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

ROUTE: 0011 Scottys Castle (Bonnie Claire) Road





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

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

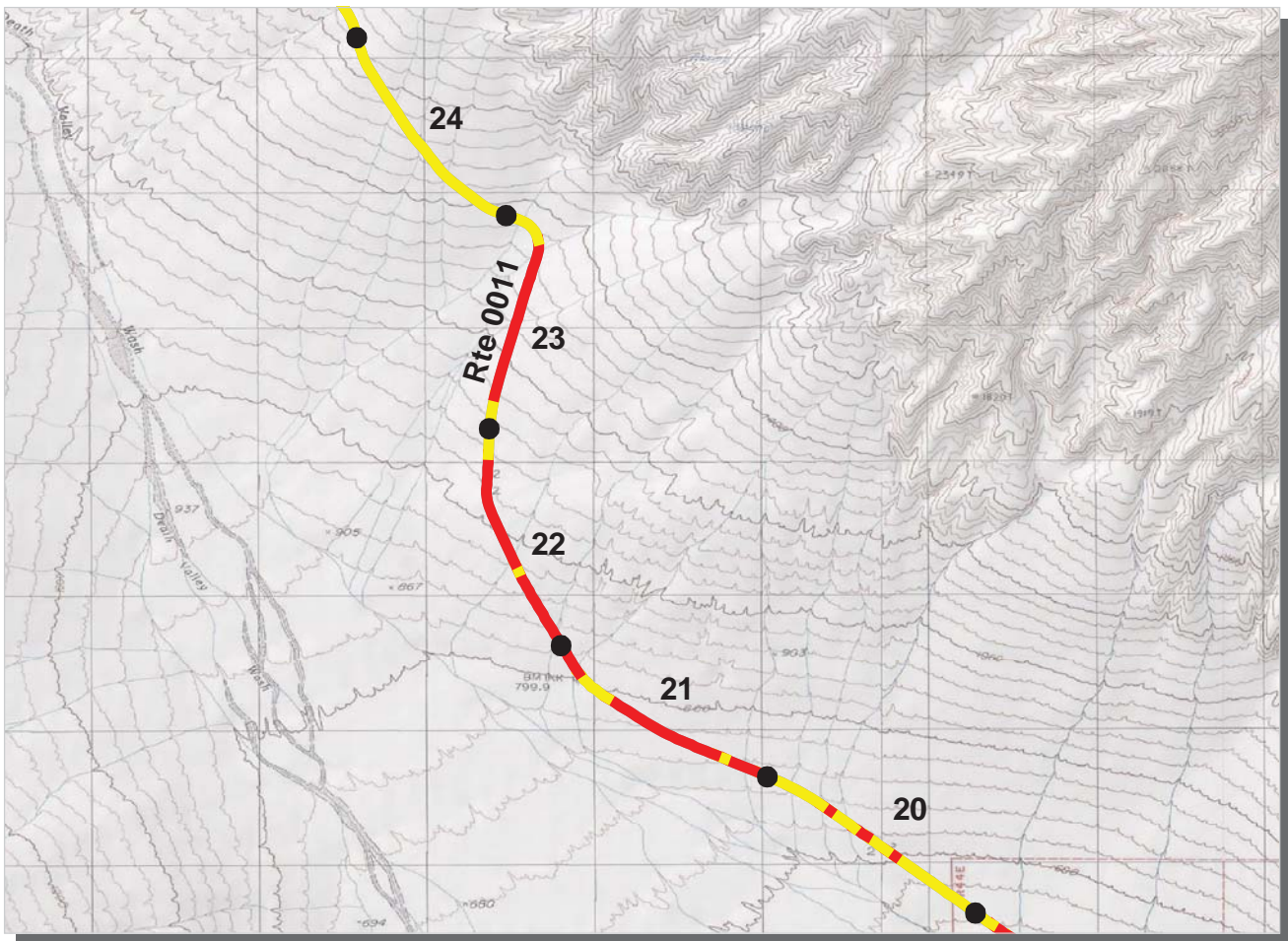
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road**                      **TOTAL LENGTH: 40.86 Miles**

Section Number	15	16	17	18	19
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	19	19	20	19
Lane Width (ft)	9	9	10	10	10
Shoulder Width (ft)	9	8	7	23	22
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	45	62	64	64	66
RCI (Roughness Condition Index)	83	85	85	72	76
SCR (Surface Condition Rating)	20	46	49	58	59
Alligator Cracking Index	100	100	100	100	100
Rutting Index	54	50	51	59	59
Patching Index	100	100	100	100	100
Transverse Cracking Index	73	97	98	99	99
Longitudinal Cracking Index	91	98	99	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road**

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

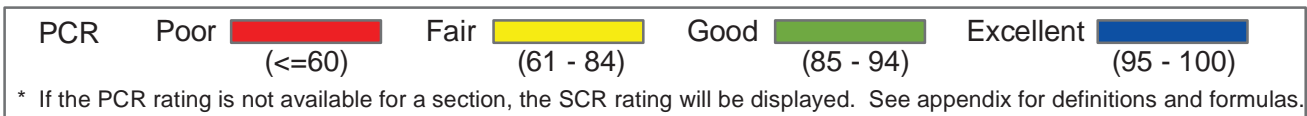
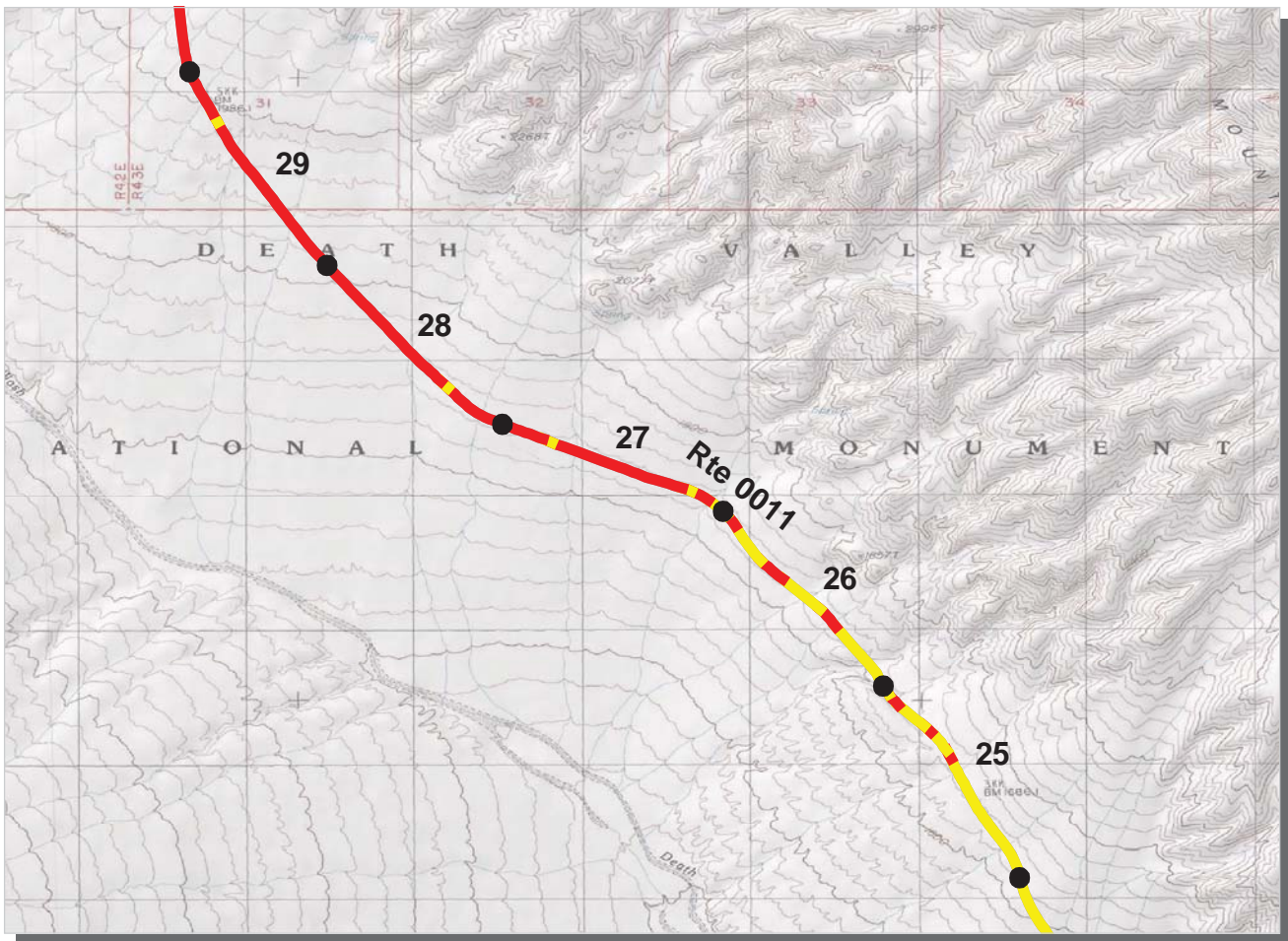
**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road                    TOTAL LENGTH: 40.86 Miles**

Section Number	20	21	22	23	24
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	20	20	20
Lane Width (ft)	10	10	11	10	10
Shoulder Width (ft)	18	18	20	8	8
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	65	54	55	52	71
RCI (Roughness Condition Index)	79	87	82	70	95
SCR (Surface Condition Rating)	56	32	37	40	54
Alligator Cracking Index	100	100	100	100	100
Rutting Index	56	32	37	40	55
Patching Index	100	99	100	99	100
Transverse Cracking Index	99	99	100	100	99
Longitudinal Cracking Index	99	100	99	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road**

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





**Pacific West Region**  
**DEVA : Death Valley National Park**

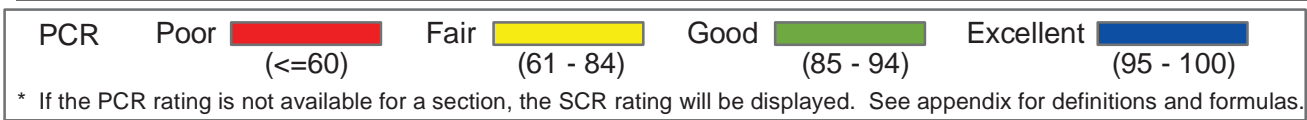
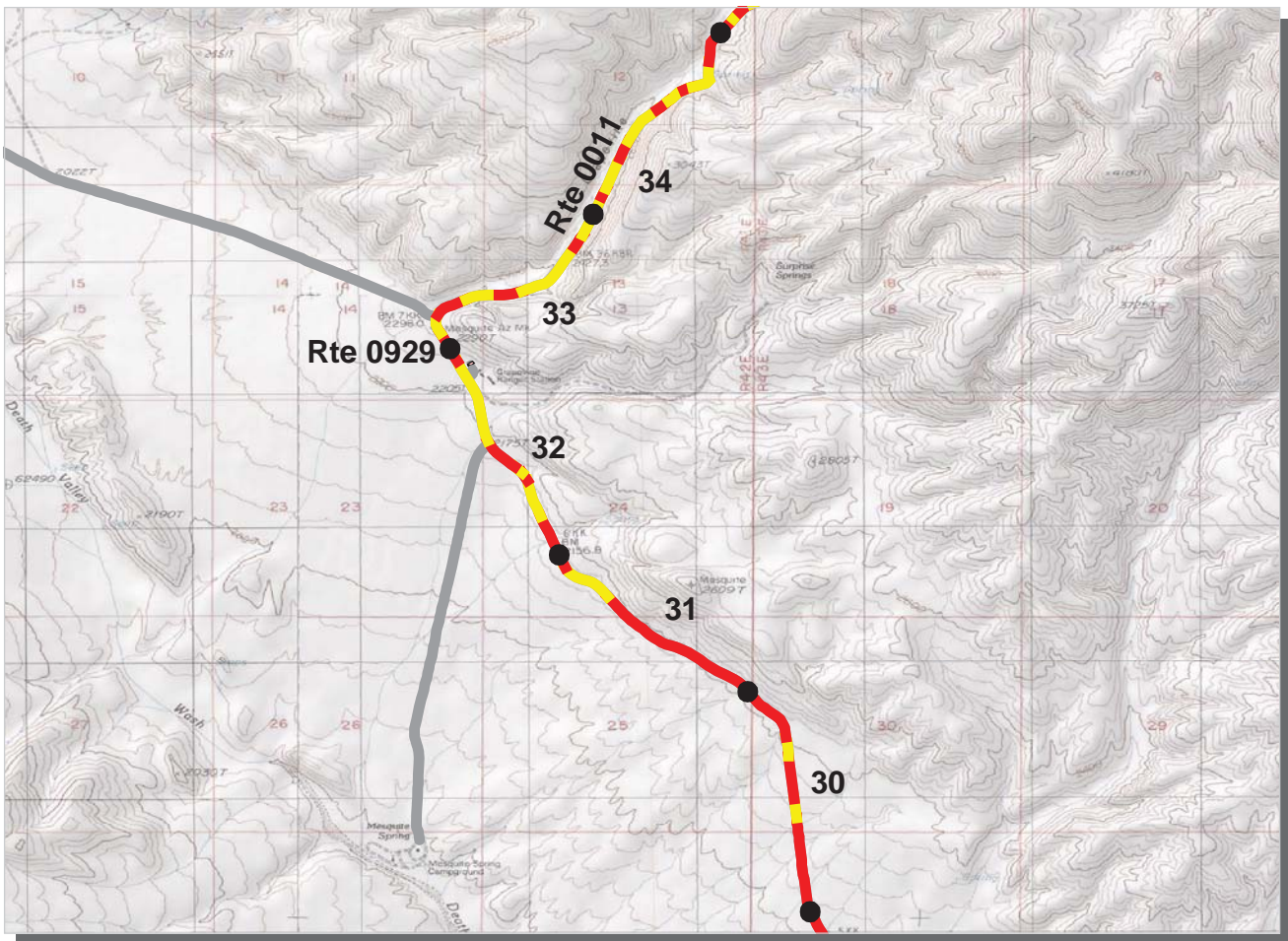
**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road** **TOTAL LENGTH: 40.86 Miles**

Section Number	25	26	27	28	29
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	21	20	19	19
Lane Width (ft)	11	10	10	9	10
Shoulder Width (ft)	8	8	7	8	9
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	66	64	52	49	46
RCI (Roughness Condition Index)	90	90	91	91	84
SCR (Surface Condition Rating)	49	46	25	21	21
Alligator Cracking Index	100	100	100	100	95
Rutting Index	50	48	48	50	46
Patching Index	100	100	99	99	100
Transverse Cracking Index	99	98	82	78	85
Longitudinal Cracking Index	99	99	94	92	91
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

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

**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road**





**Pacific West Region**  
**DEVA : Death Valley National Park**

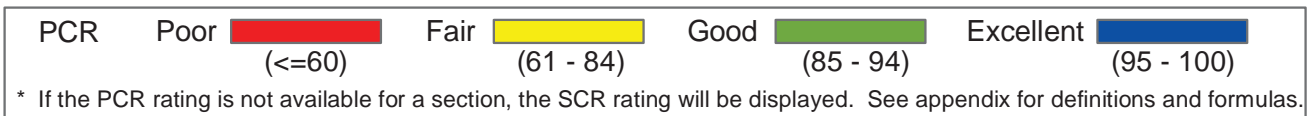
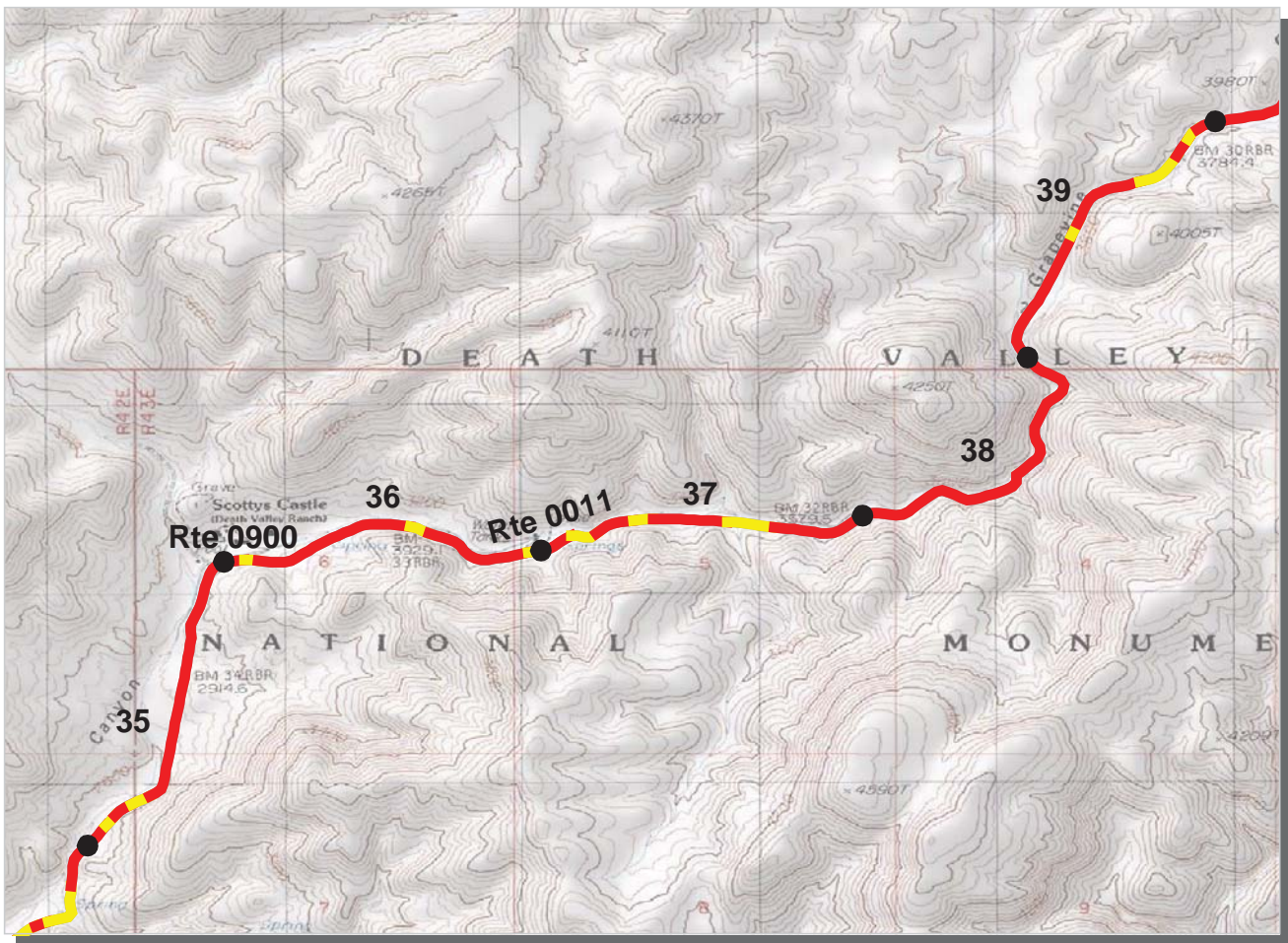
**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road** **TOTAL LENGTH: 40.86 Miles**

Section Number	30	31	32	33	34
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	21	20	21	20
Lane Width (ft)	10	10	10	9	11
Shoulder Width (ft)	9	7	8	0	8
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	54	55	60	62	60
RCI (Roughness Condition Index)	79	72	78	85	84
SCR (Surface Condition Rating)	37	43	48	48	45
Alligator Cracking Index	99	100	100	100	100
Rutting Index	47	44	49	50	47
Patching Index	100	100	100	100	99
Transverse Cracking Index	93	99	99	98	98
Longitudinal Cracking Index	96	99	99	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	N/A	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

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

**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road**





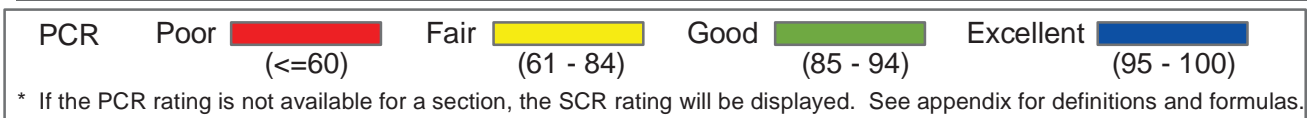
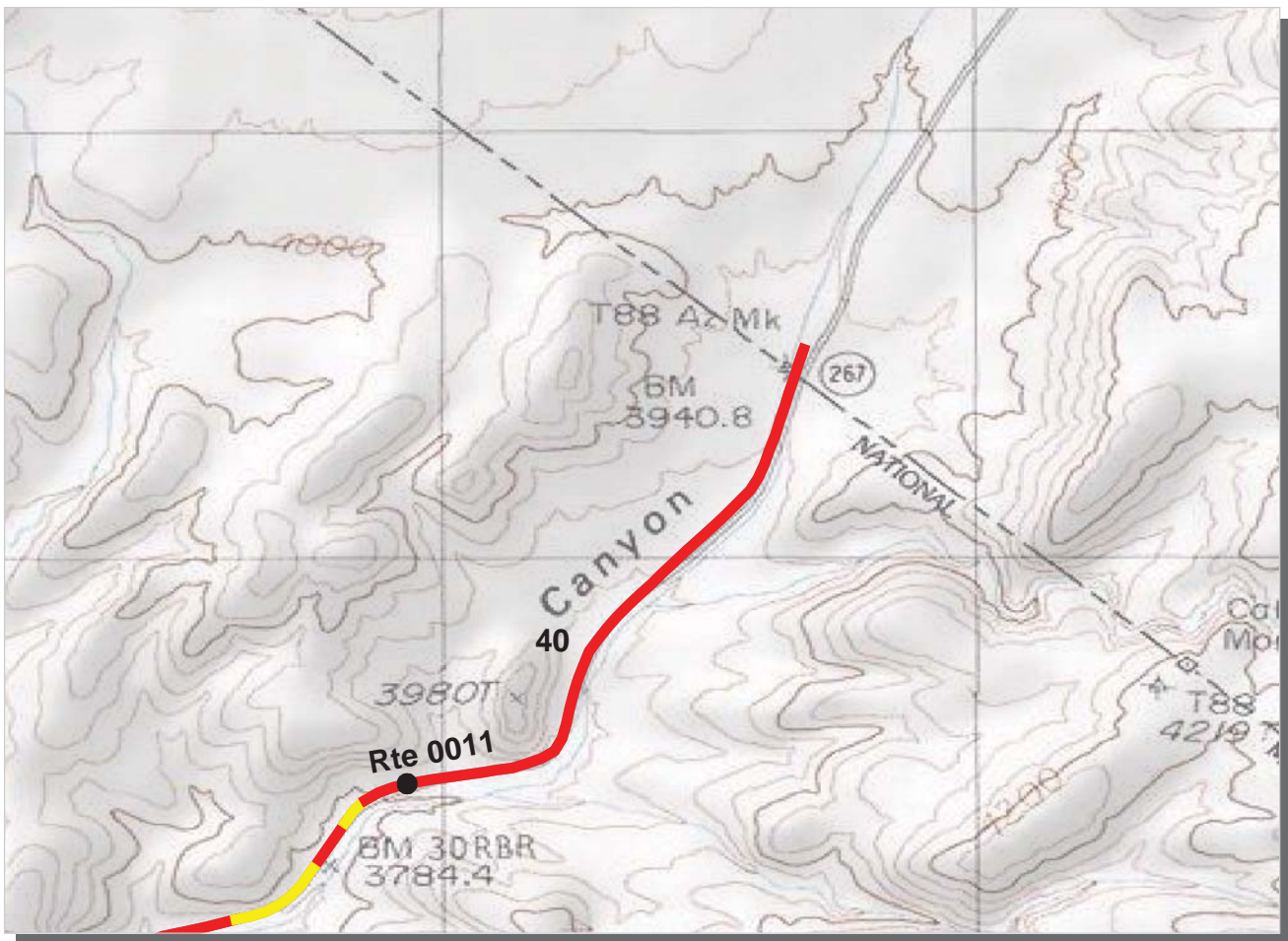
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road** **TOTAL LENGTH: 40.86 Miles**

Section Number	35	36	37	38	39
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	19	20	20
Lane Width (ft)	10	11	9	10	10
Shoulder Width (ft)	7	0	0	4	9
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	45	49	55	48	52
RCI (Roughness Condition Index)	80	69	77	64	68
SCR (Surface Condition Rating)	22	36	41	38	41
Alligator Cracking Index	100	100	100	100	100
Rutting Index	24	41	44	39	42
Patching Index	99	99	99	100	99
Transverse Cracking Index	98	96	97	98	99
Longitudinal Cracking Index	99	98	99	99	99
Shoulder Condition Rating	GOOD	N/A	N/A	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

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

ROUTE: 0011 Scottys Castle (Bonnie Claire) Road



**Pacific West Region**  
**DEVA : Death Valley National Park**

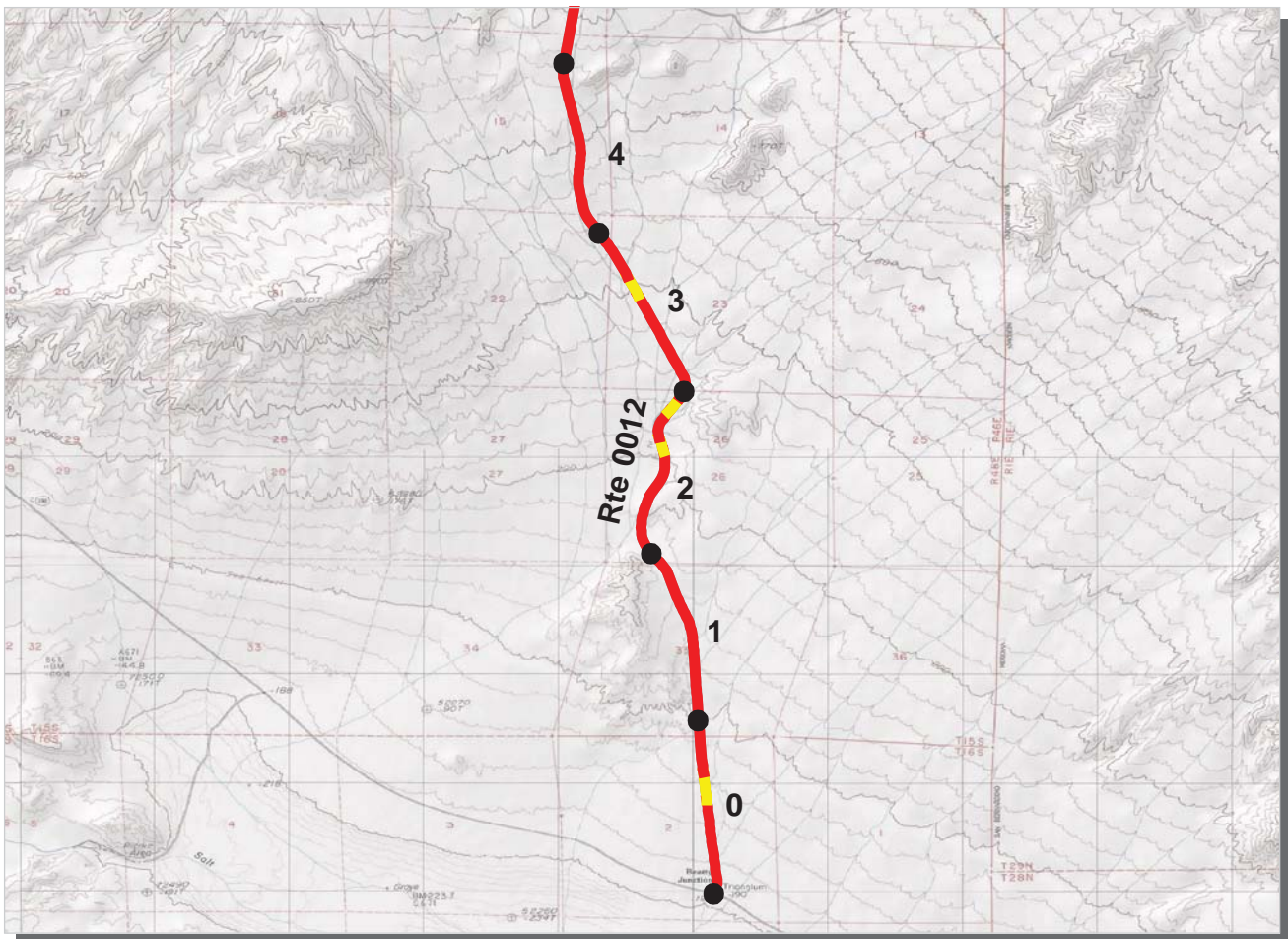
**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road** **TOTAL LENGTH: 40.86 Miles**

Section Number	40			
Section Length (mi)	0.86			
AADT	**			
SADT	**			
ADT Date	**			
<b>Cross Section Information</b>				
Number of Lanes	2			
Paved Width (ft)	20			
Lane Width (ft)	10			
Shoulder Width (ft)	8			
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	50			
RCI (Roughness Condition Index)	74			
SCR (Surface Condition Rating)	34			
Alligator Cracking Index	100			
Rutting Index	40			
Patching Index	99			
Transverse Cracking Index	94			
Longitudinal Cracking Index	99			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

**ROUTE: 0011 Scottys Castle (Bonnie Claire) Road**

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





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

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

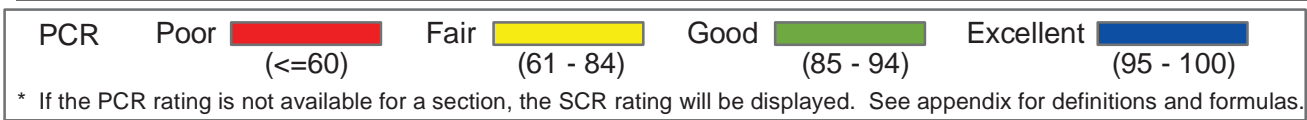
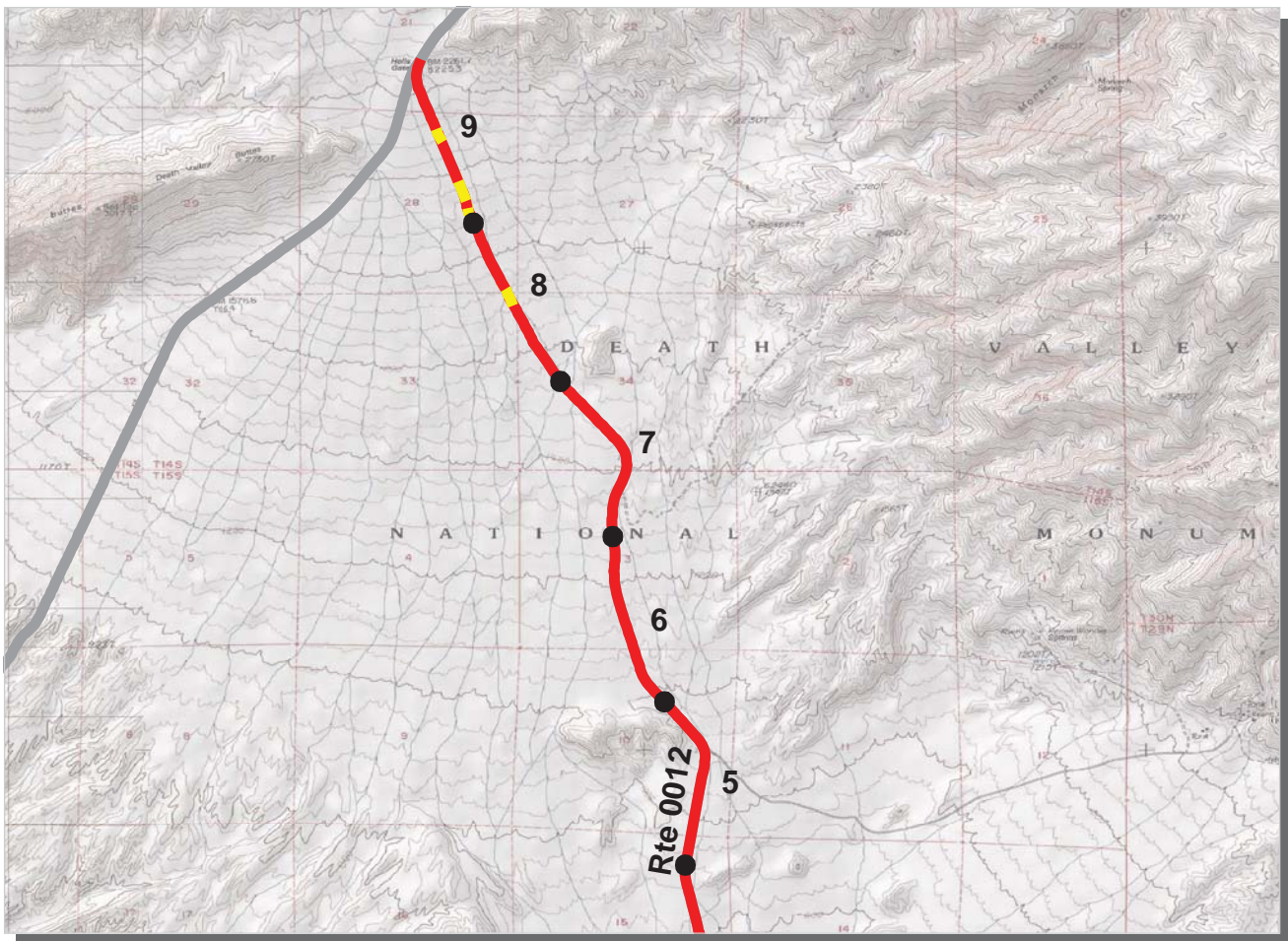
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0012 Beatty Cutoff** **TOTAL LENGTH: 9.98 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	20	18	19
Lane Width (ft)	11	9	9	9	10
Shoulder Width (ft)	12	10	9	11	9
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	48	49	51	49	49
RCI (Roughness Condition Index)	86	85	86	73	72
SCR (Surface Condition Rating)	25	26	29	34	33
Alligator Cracking Index	100	100	100	100	100
Rutting Index	53	49	51	52	48
Patching Index	100	100	100	100	100
Transverse Cracking Index	82	84	83	87	91
Longitudinal Cracking Index	89	92	93	93	93
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0012 Beatty Cutoff**

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



**Pacific West Region**  
**DEVA : Death Valley National Park**

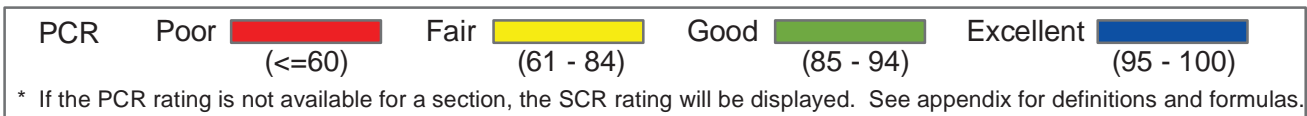
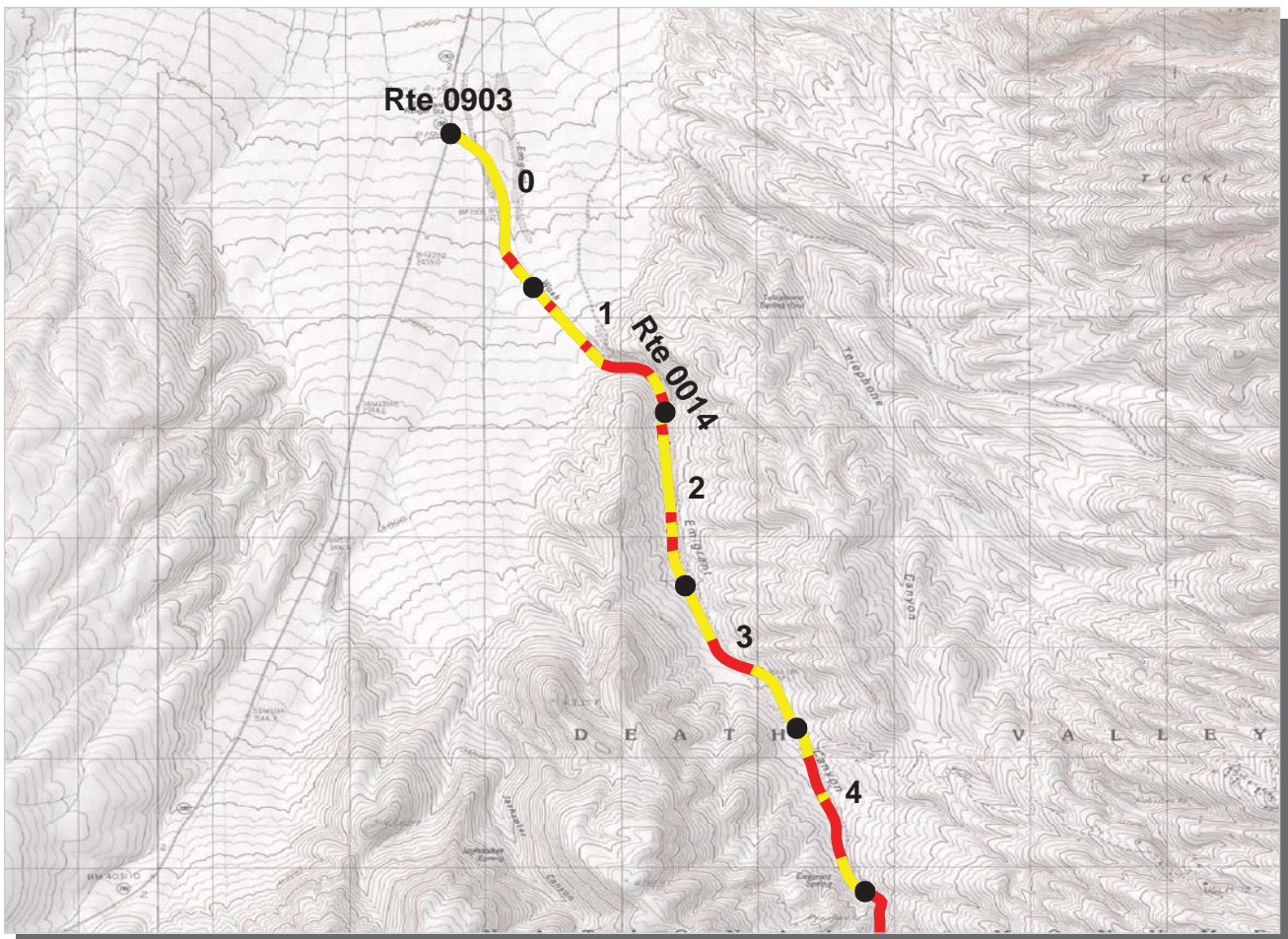
**ROUTE: 0012 Beatty Cutoff** **TOTAL LENGTH: 9.98 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	0.98
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	19	19	18	21
Lane Width (ft)	10	10	10	9	10
Shoulder Width (ft)	9	9	9	10	8
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	50	41	49	54	50
RCI (Roughness Condition Index)	84	66	73	82	74
SCR (Surface Condition Rating)	28	23	32	35	35
Alligator Cracking Index	100	100	100	100	100
Rutting Index	51	41	47	49	50
Patching Index	100	100	100	100	100
Transverse Cracking Index	83	87	89	89	88
Longitudinal Cracking Index	92	93	95	96	96
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0012 Beatty Cutoff**

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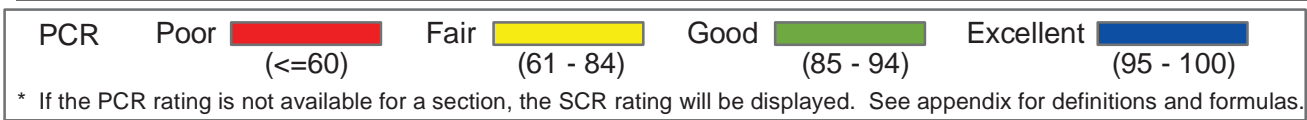
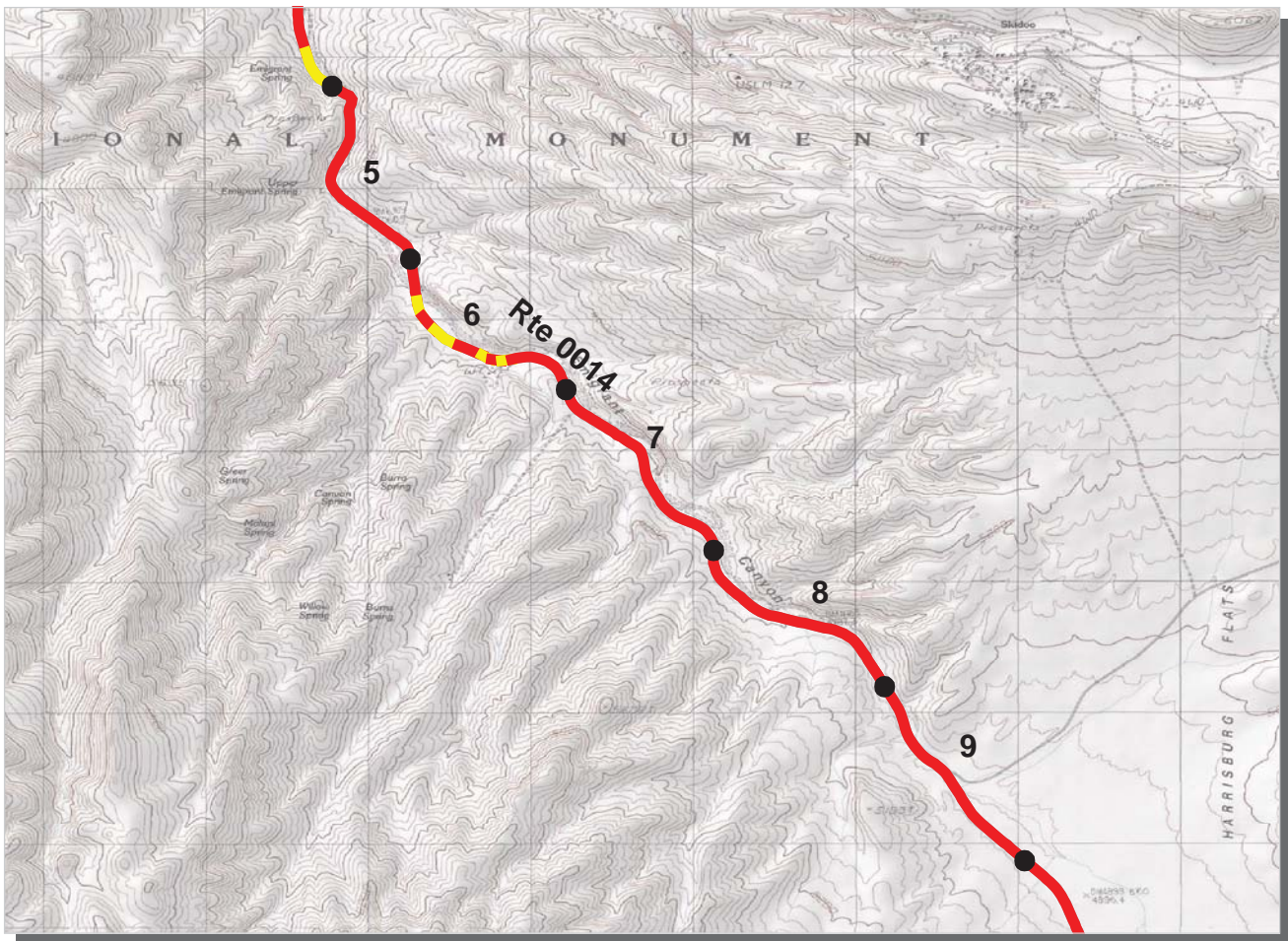
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0014 Emigrant Canyon Road** **TOTAL LENGTH: 27.54 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	23	24	22	22	20
Lane Width (ft)	12	12	11	11	9
Shoulder Width (ft)	5	6	0	0	7
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	67	58	64	62	60
RCI (Roughness Condition Index)	76	88	89	92	89
SCR (Surface Condition Rating)	61	39	48	43	40
Alligator Cracking Index	100	100	100	100	100
Rutting Index	63	48	53	52	50
Patching Index	99	99	100	99	100
Transverse Cracking Index	99	92	94	93	90
Longitudinal Cracking Index	99	98	99	97	99
Shoulder Condition Rating	GOOD	GOOD	N/A	N/A	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0014 Emigrant Canyon Road

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



**Pacific West Region**  
**DEVA : Death Valley National Park**

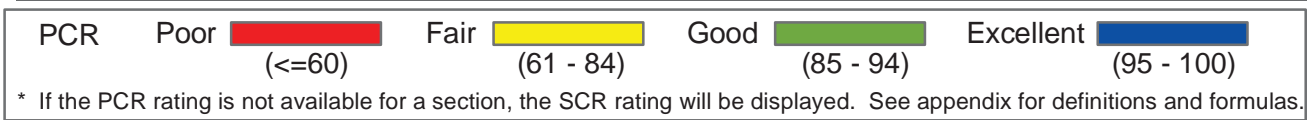
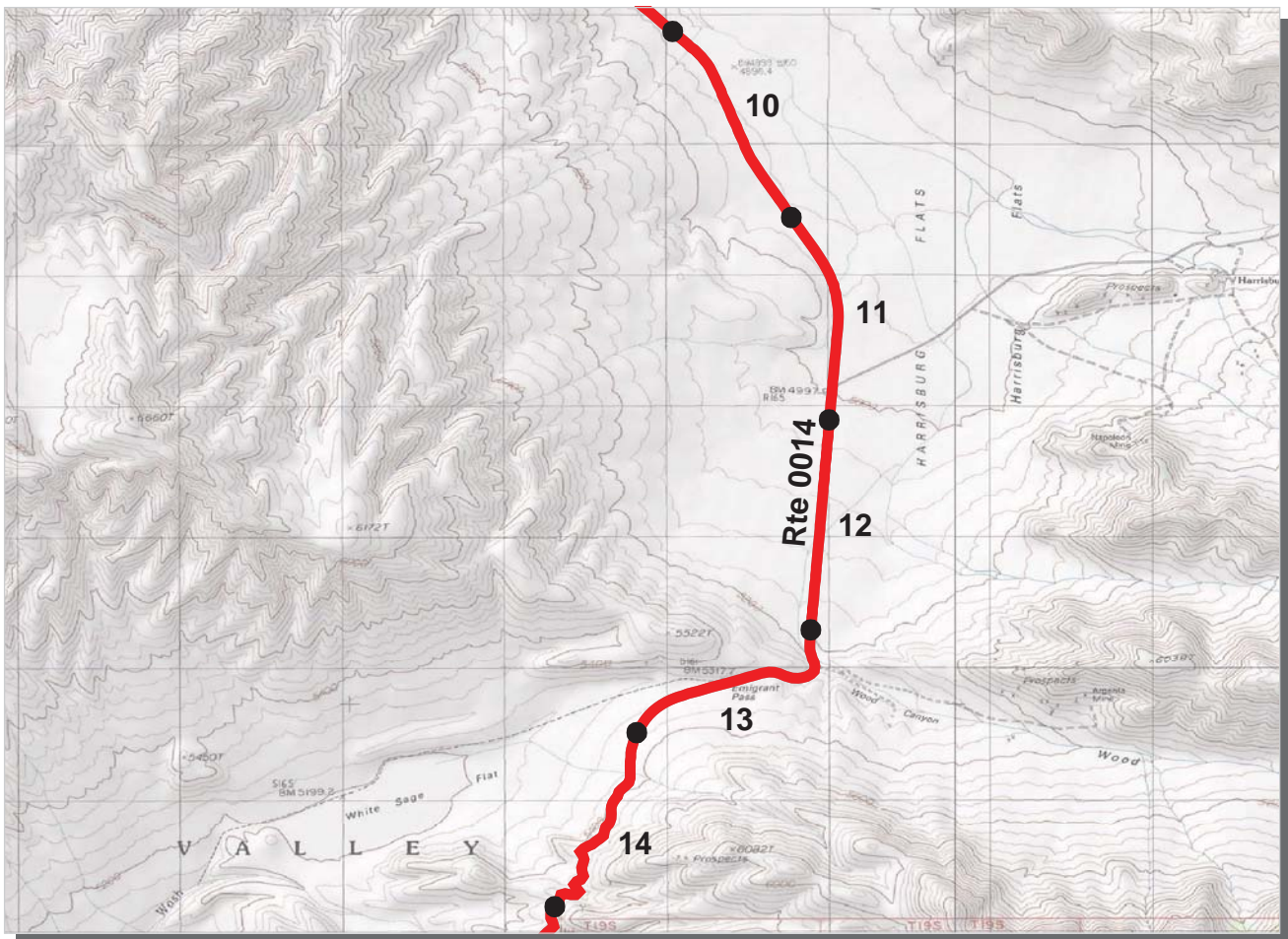
**ROUTE: 0014 Emigrant Canyon Road** **TOTAL LENGTH: 27.54 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	22	19	18	20
Lane Width (ft)	10	10	10	9	9
Shoulder Width (ft)	9	0	0	7	5
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	46	58	38	38	33
RCI (Roughness Condition Index)	68	83	69	67	69
SCR (Surface Condition Rating)	31	41	17	19	10
Alligator Cracking Index	100	100	99	99	78
Rutting Index	46	57	44	40	43
Patching Index	97	99	99	100	97
Transverse Cracking Index	92	88	82	87	86
Longitudinal Cracking Index	95	95	89	92	89
Shoulder Condition Rating	GOOD	N/A	N/A	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0014 Emigrant Canyon Road**

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





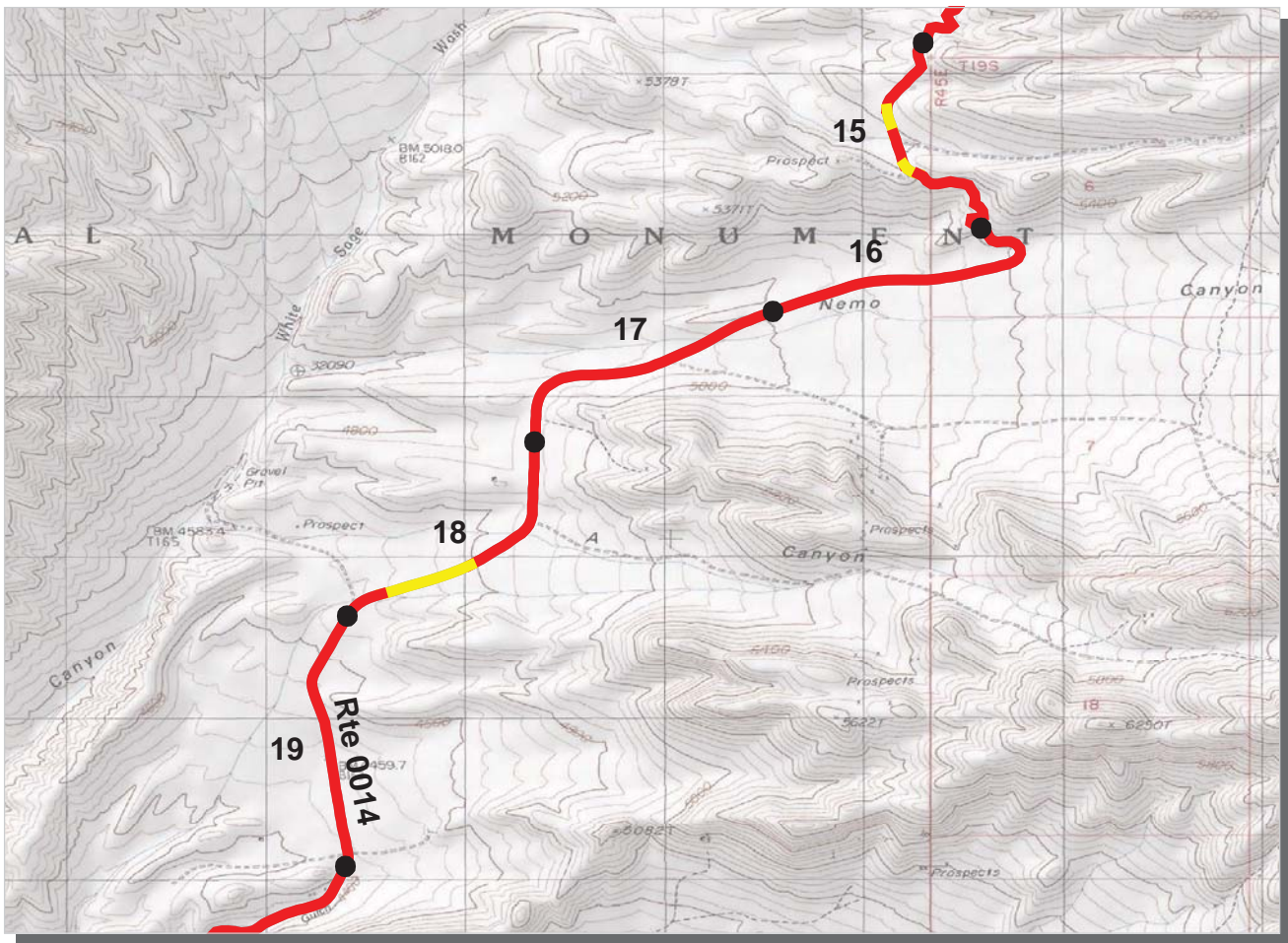
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0014 Emigrant Canyon Road** **TOTAL LENGTH: 27.54 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	21	20	19	20
Lane Width (ft)	9	11	9	11	10
Shoulder Width (ft)	10	19	17	17	7
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	32	33	33	24	27
RCI (Roughness Condition Index)	73	71	73	61	50
SCR (Surface Condition Rating)	4	8	7	2	12
Alligator Cracking Index	91	84	99	67	92
Rutting Index	47	45	37	31	29
Patching Index	82	87	84	93	99
Transverse Cracking Index	83	82	86	87	89
Longitudinal Cracking Index	85	90	92	91	94
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0014 Emigrant Canyon Road**

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

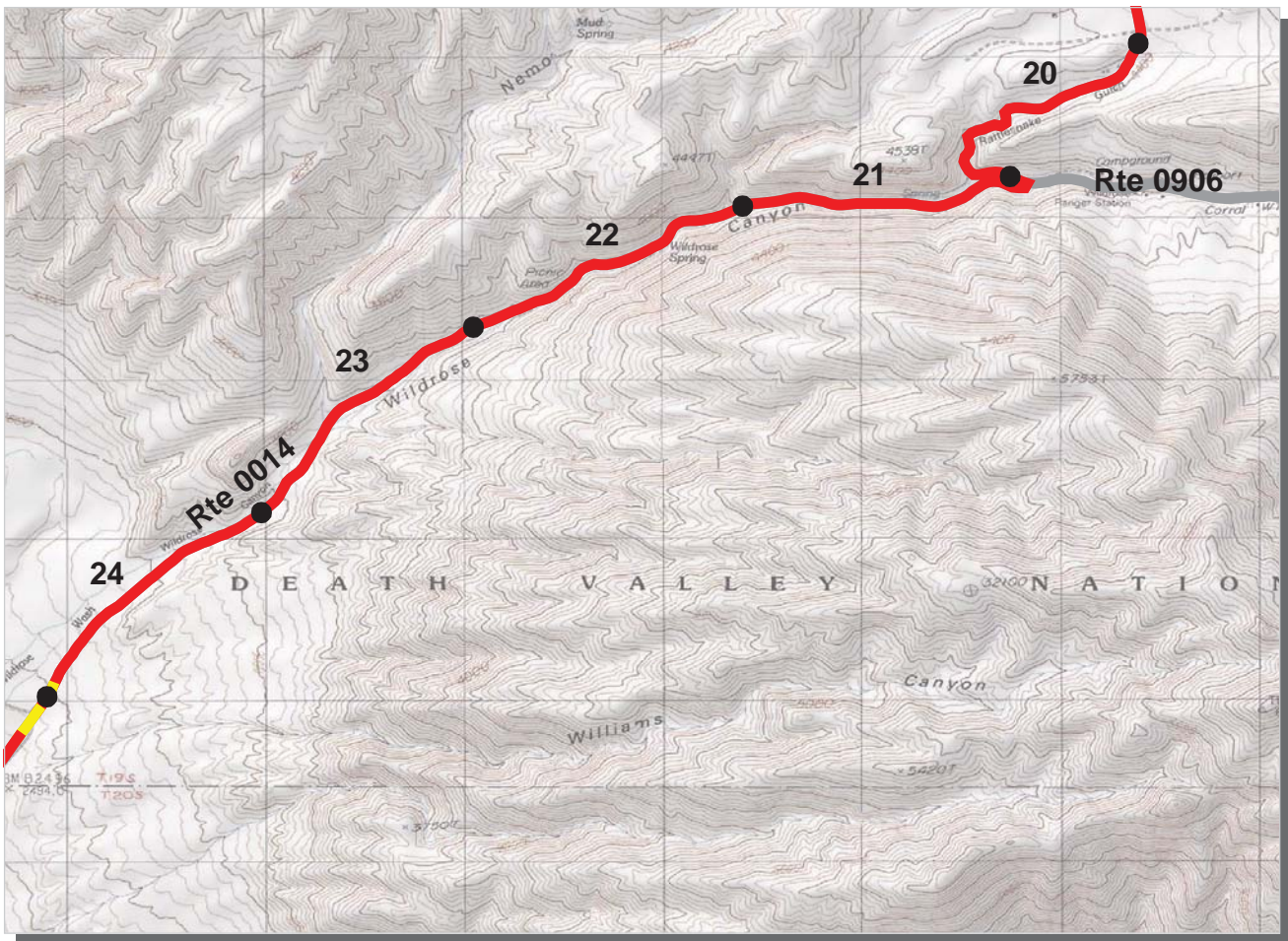
**ROUTE: 0014 Emigrant Canyon Road** **TOTAL LENGTH: 27.54 Miles**

Section Number	15	16	17	18	19
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	18	22	23	23
Lane Width (ft)	10	9	10	11	12
Shoulder Width (ft)	0	0	6	7	8
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	38	35	31	44	29
RCI (Roughness Condition Index)	59	67	68	78	67
SCR (Surface Condition Rating)	23	14	7	20	4
Alligator Cracking Index	91	88	77	82	85
Rutting Index	42	50	41	46	40
Patching Index	93	87	87	97	97
Transverse Cracking Index	88	87	90	89	79
Longitudinal Cracking Index	93	93	94	94	88
Shoulder Condition Rating	N/A	N/A	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0014 Emigrant Canyon Road**

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





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

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

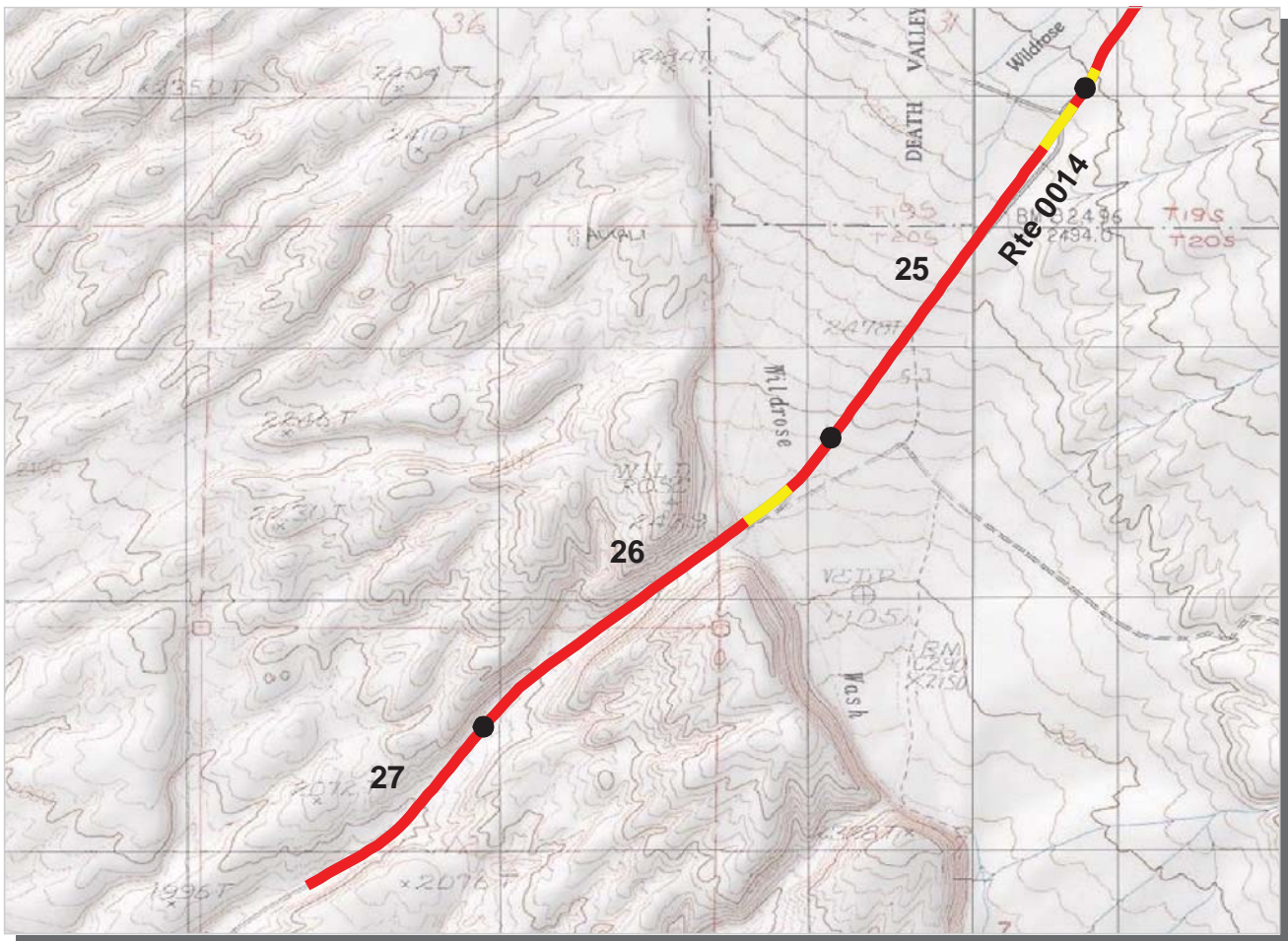
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0014 Emigrant Canyon Road** **TOTAL LENGTH: 27.54 Miles**

Section Number	20	21	22	23	24
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	19	18	19	19
Lane Width (ft)	11	10	9	9	9
Shoulder Width (ft)	9	9	5	5	7
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	30	18	18	21	29
RCI (Roughness Condition Index)	70	59	61	61	66
SCR (Surface Condition Rating)	9	10	5	4	9
Alligator Cracking Index	78	68	67	78	84
Rutting Index	40	39	48	35	42
Patching Index	94	98	96	97	97
Transverse Cracking Index	85	89	79	72	82
Longitudinal Cracking Index	91	93	89	85	86
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0014 Emigrant Canyon Road

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

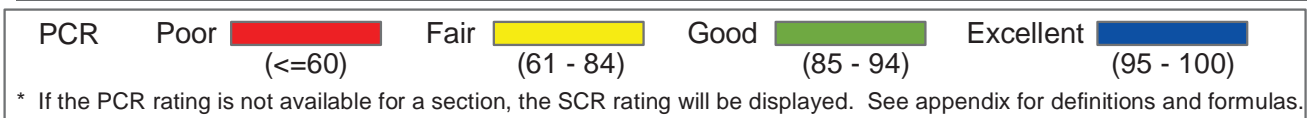
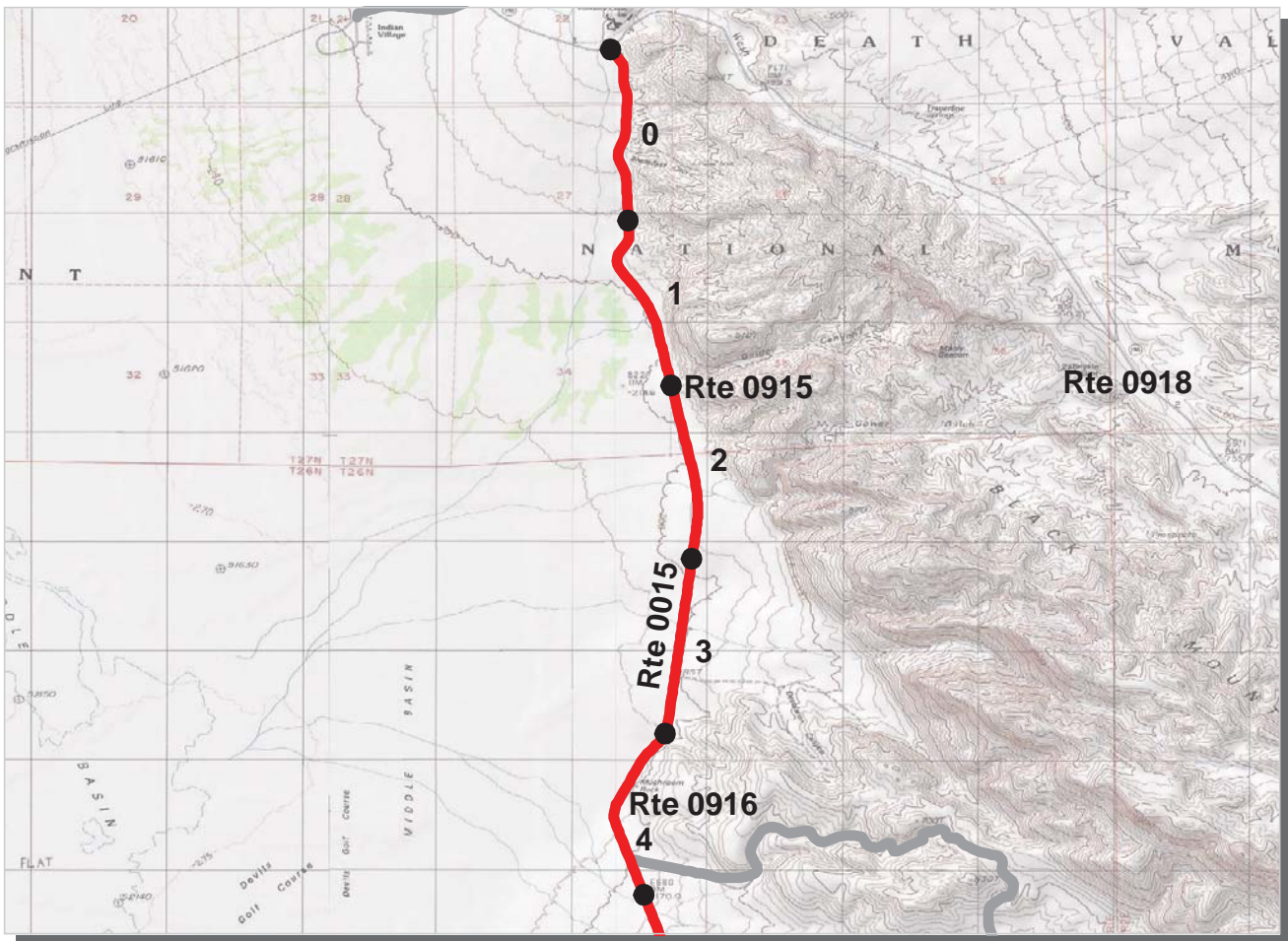
**ROUTE: 0014 Emigrant Canyon Road** **TOTAL LENGTH: 27.54 Miles**

Section Number	25	26	27		
Section Length (mi)	1.00	1.00	0.54		
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2		
Paved Width (ft)	21	20	20		
Lane Width (ft)	11	11	10		
Shoulder Width (ft)	7	5	6		
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	47	44	47		
RCI (Roughness Condition Index)	95	88	94		
SCR (Surface Condition Rating)	16	15	15		
Alligator Cracking Index	73	69	92		
Rutting Index	58	60	45		
Patching Index	100	99	100		
Transverse Cracking Index	87	90	86		
Longitudinal Cracking Index	88	91	88		
Shoulder Condition Rating	GOOD	GOOD	GOOD		
Drainage Condition Rating	GOOD	GOOD	GOOD		

**ROUTE: 0014 Emigrant Canyon Road**

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





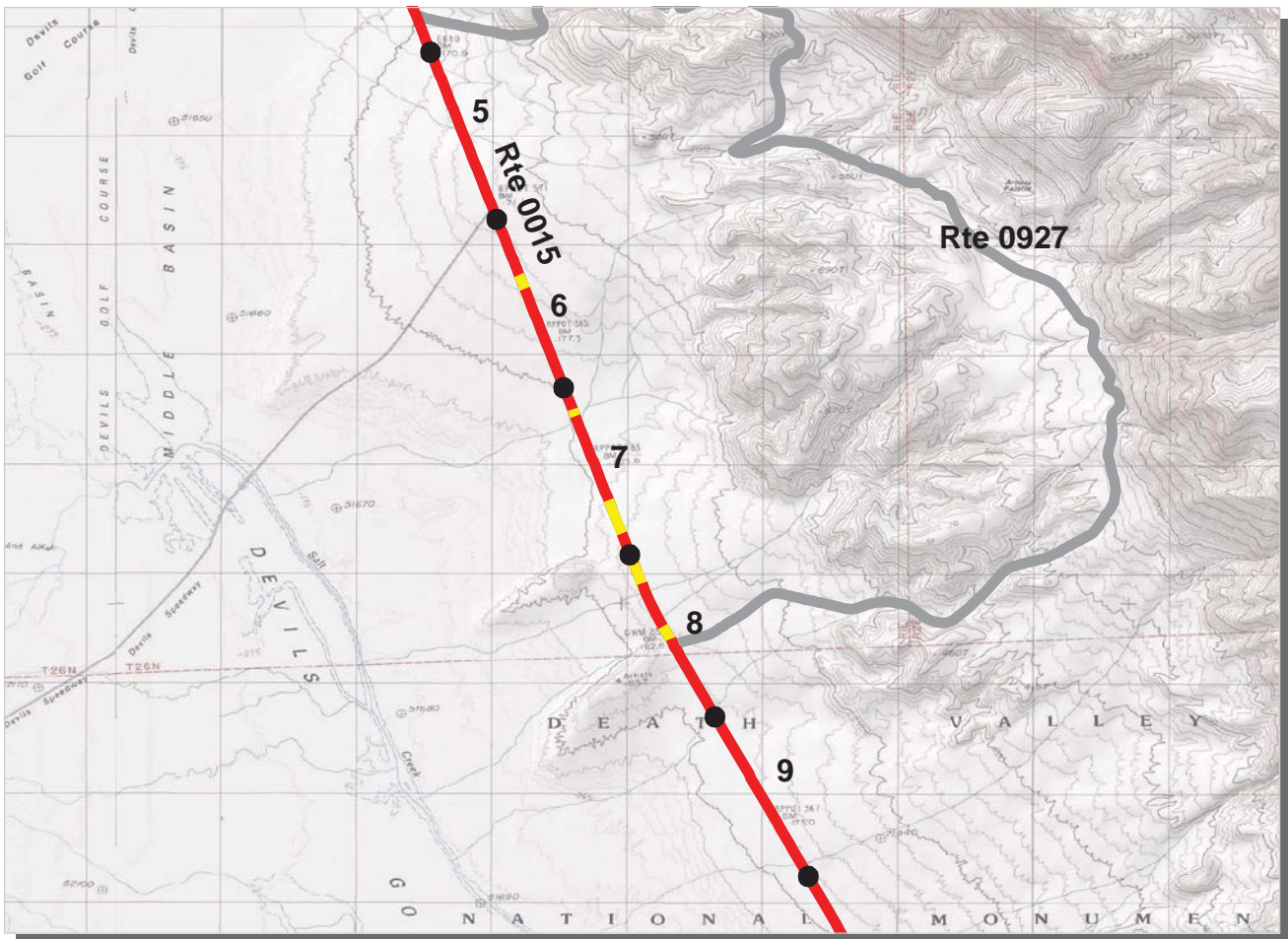
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0015 Badwater Road** **TOTAL LENGTH: 59.94 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	19	19	19
Lane Width (ft)	10	10	10	9	9
Shoulder Width (ft)	10	7	8	7	9
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	37	38	35	37	38
RCI (Roughness Condition Index)	90	91	85	89	80
SCR (Surface Condition Rating)	3	3	1	3	11
Alligator Cracking Index	86	87	88	83	92
Rutting Index	57	67	62	67	63
Patching Index	99	100	100	100	99
Transverse Cracking Index	54	52	51	54	60
Longitudinal Cracking Index	80	77	77	78	82
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0015 Badwater Road**

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0015 Badwater Road** **TOTAL LENGTH: 59.94 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	19	19	20	19
Lane Width (ft)	10	9	10	9	9
Shoulder Width (ft)	6	7	7	8	9
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	40	54	55	52	40
RCI (Roughness Condition Index)	87	94	89	96	90
SCR (Surface Condition Rating)	9	28	33	23	6
Alligator Cracking Index	92	99	99	100	100
Rutting Index	74	65	64	65	52
Patching Index	100	100	100	100	100
Transverse Cracking Index	57	70	75	68	70
Longitudinal Cracking Index	80	91	94	89	82
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0015 Badwater Road**

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





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

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

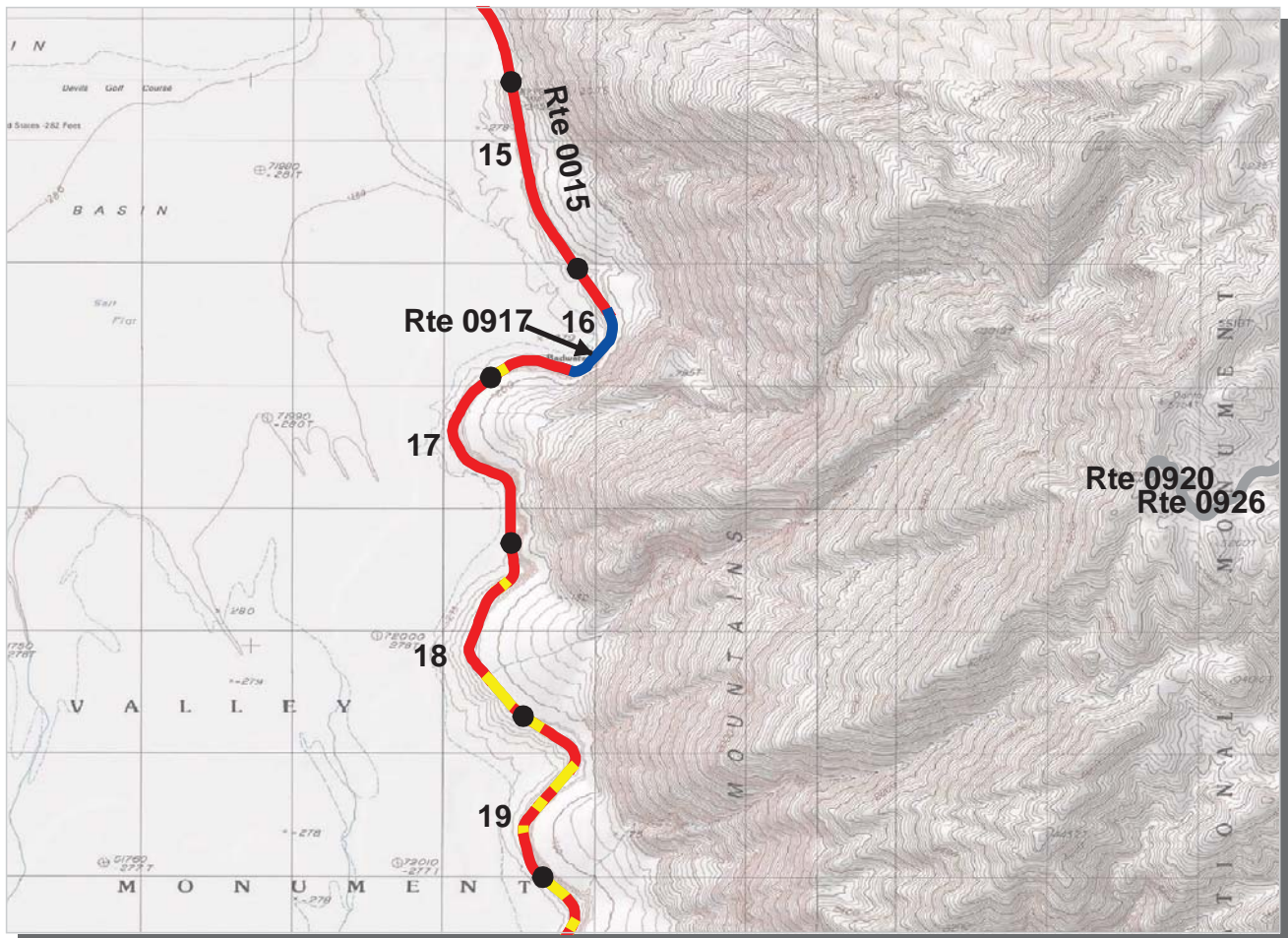
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0015 Badwater Road** **TOTAL LENGTH: 59.94 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	19	19	18	19
Lane Width (ft)	9	9	9	9	10
Shoulder Width (ft)	8	8	10	8	10
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	40	33	37	35	31
RCI (Roughness Condition Index)	92	82	94	89	76
SCR (Surface Condition Rating)	5	0	0	0	1
Alligator Cracking Index	97	93	96	96	99
Rutting Index	58	55	53	51	50
Patching Index	100	100	100	100	99
Transverse Cracking Index	53	45	53	54	60
Longitudinal Cracking Index	81	77	75	72	75
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0015 Badwater Road**

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

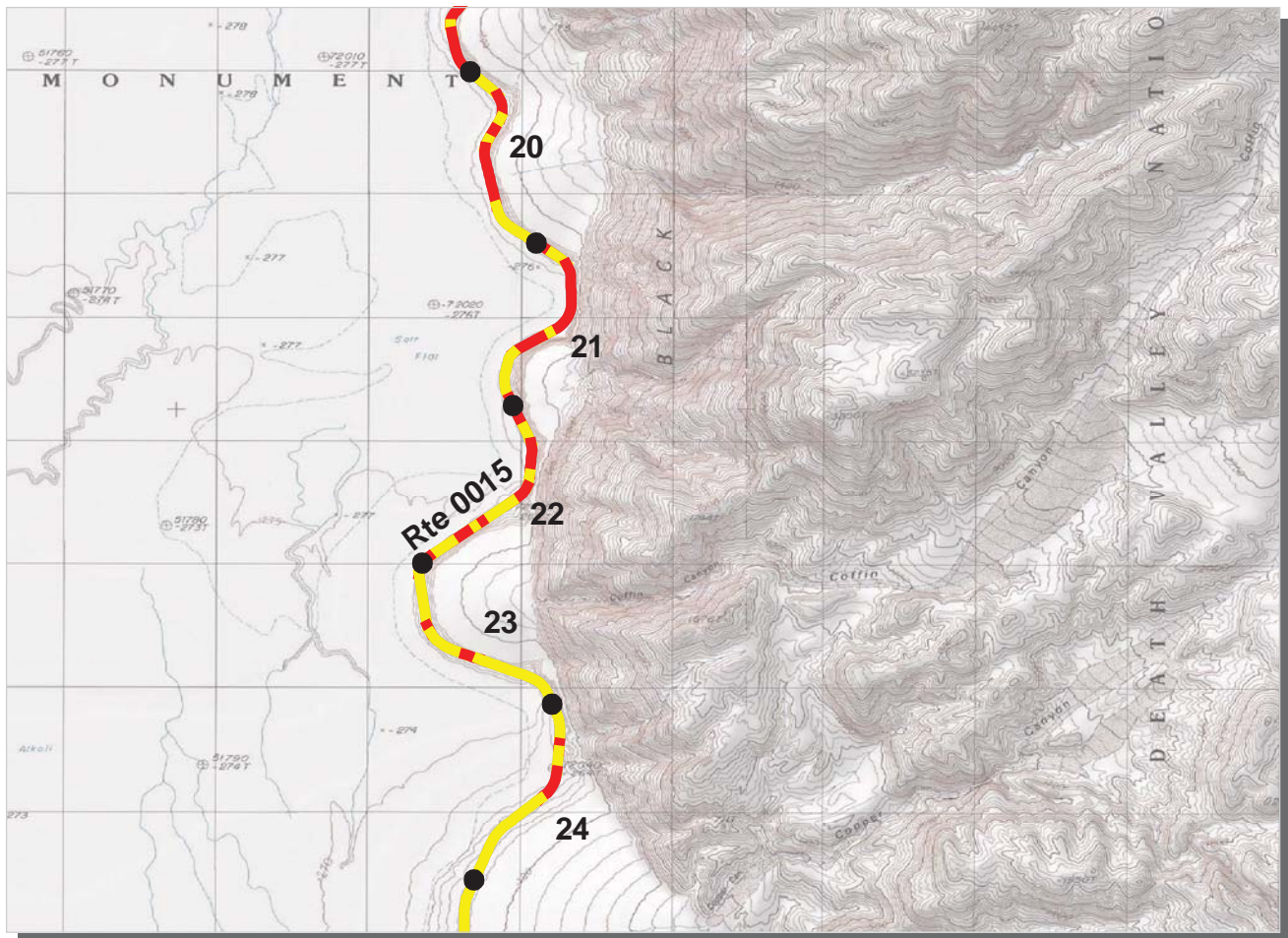
**ROUTE: 0015 Badwater Road** **TOTAL LENGTH: 59.94 Miles**

Section Number	15	16	17	18	19
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	19	18	19	20
Lane Width (ft)	10	10	9	10	10
Shoulder Width (ft)	9	9	8	10	8
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	29	65	52	56	57
RCI (Roughness Condition Index)	75	84	87	94	96
SCR (Surface Condition Rating)	2	52	28	31	31
Alligator Cracking Index	100	100	100	100	100
Rutting Index	55	72	48	49	47
Patching Index	99	99	100	100	100
Transverse Cracking Index	62	86	85	82	81
Longitudinal Cracking Index	74	91	94	98	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0015 Badwater Road**

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





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

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

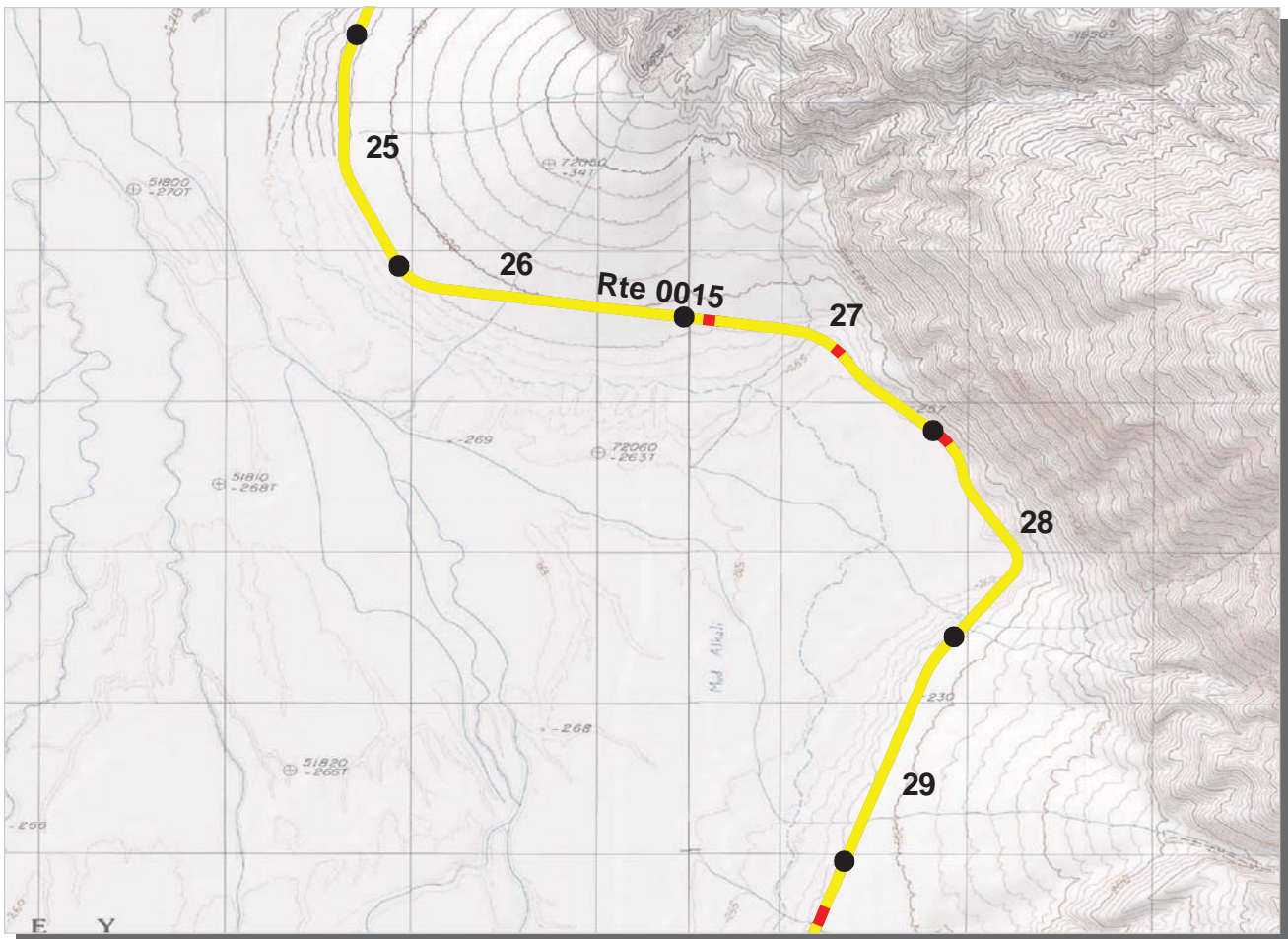
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0015 Badwater Road** **TOTAL LENGTH: 59.94 Miles**

Section Number	20	21	22	23	24
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	19	19	19	19
Lane Width (ft)	9	9	10	9	9
Shoulder Width (ft)	9	8	8	10	8
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	60	59	58	64	63
RCI (Roughness Condition Index)	97	91	91	96	93
SCR (Surface Condition Rating)	35	39	37	43	42
Alligator Cracking Index	100	100	100	100	100
Rutting Index	52	56	50	51	51
Patching Index	100	100	100	100	100
Transverse Cracking Index	87	87	89	92	91
Longitudinal Cracking Index	95	95	97	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0015 Badwater Road**

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

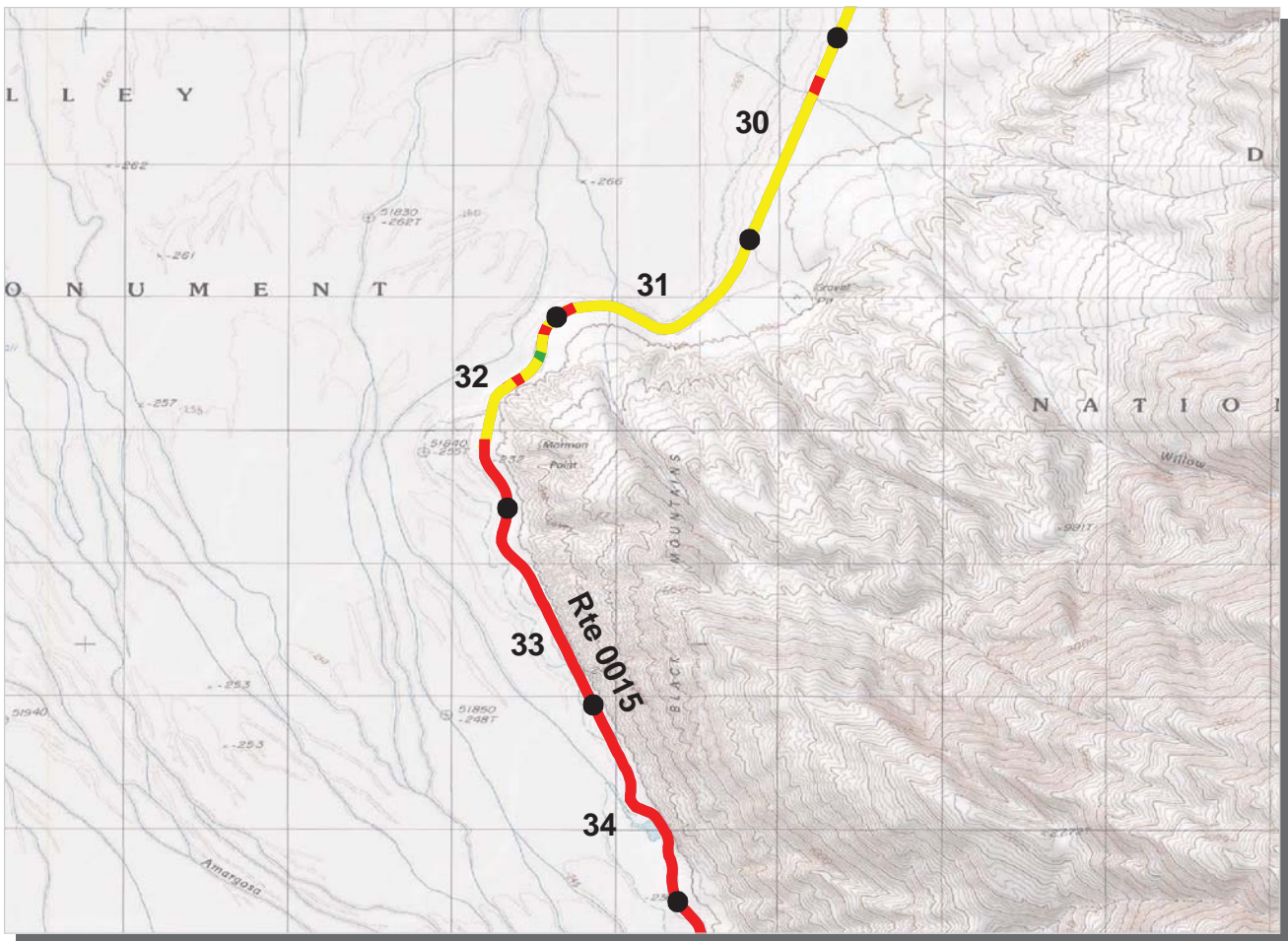
**ROUTE: 0015 Badwater Road** **TOTAL LENGTH: 59.94 Miles**

Section Number	25	26	27	28	29
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	18	19	19	19
Lane Width (ft)	10	9	9	9	9
Shoulder Width (ft)	8	7	8	6	6
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	67	66	66	68	69
RCI (Roughness Condition Index)	97	96	98	97	99
SCR (Surface Condition Rating)	47	47	45	49	49
Alligator Cracking Index	100	100	100	100	100
Rutting Index	54	52	50	52	51
Patching Index	100	100	100	100	100
Transverse Cracking Index	93	94	95	97	98
Longitudinal Cracking Index	100	99	99	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0015 Badwater Road**

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





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

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

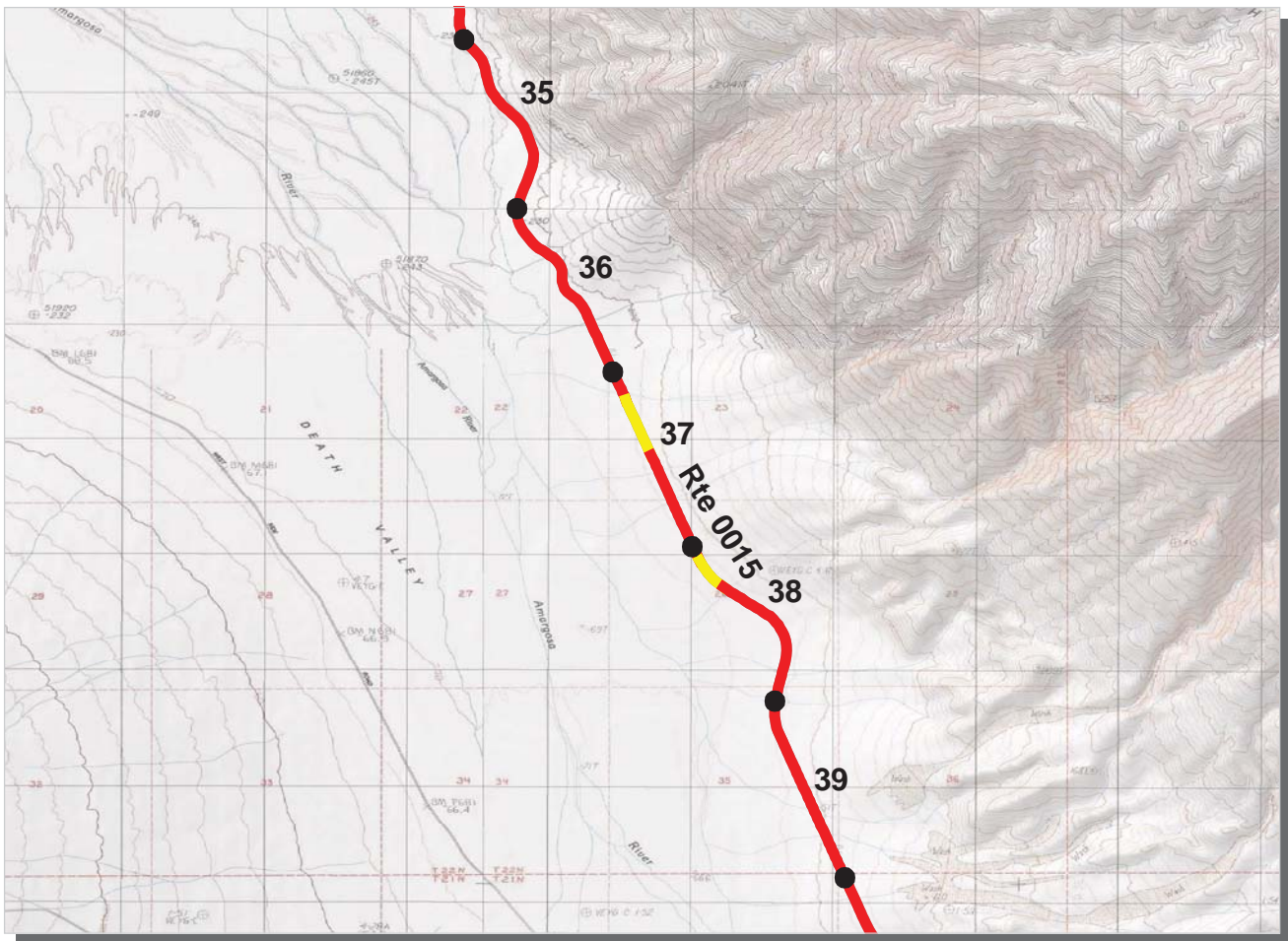
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0015 Badwater Road** **TOTAL LENGTH: 59.94 Miles**

Section Number	30	31	32	33	34
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	19	18	19
Lane Width (ft)	9	9	9	9	10
Shoulder Width (ft)	5	7	6	8	7
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	67	72	64	42	36
RCI (Roughness Condition Index)	93	96	92	85	75
SCR (Surface Condition Rating)	49	55	45	14	11
Alligator Cracking Index	100	100	99	93	86
Rutting Index	51	60	58	46	35
Patching Index	100	100	98	99	99
Transverse Cracking Index	98	95	90	80	79
Longitudinal Cracking Index	99	99	97	87	88
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0015 Badwater Road**

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0015 Badwater Road** **TOTAL LENGTH: 59.94 Miles**

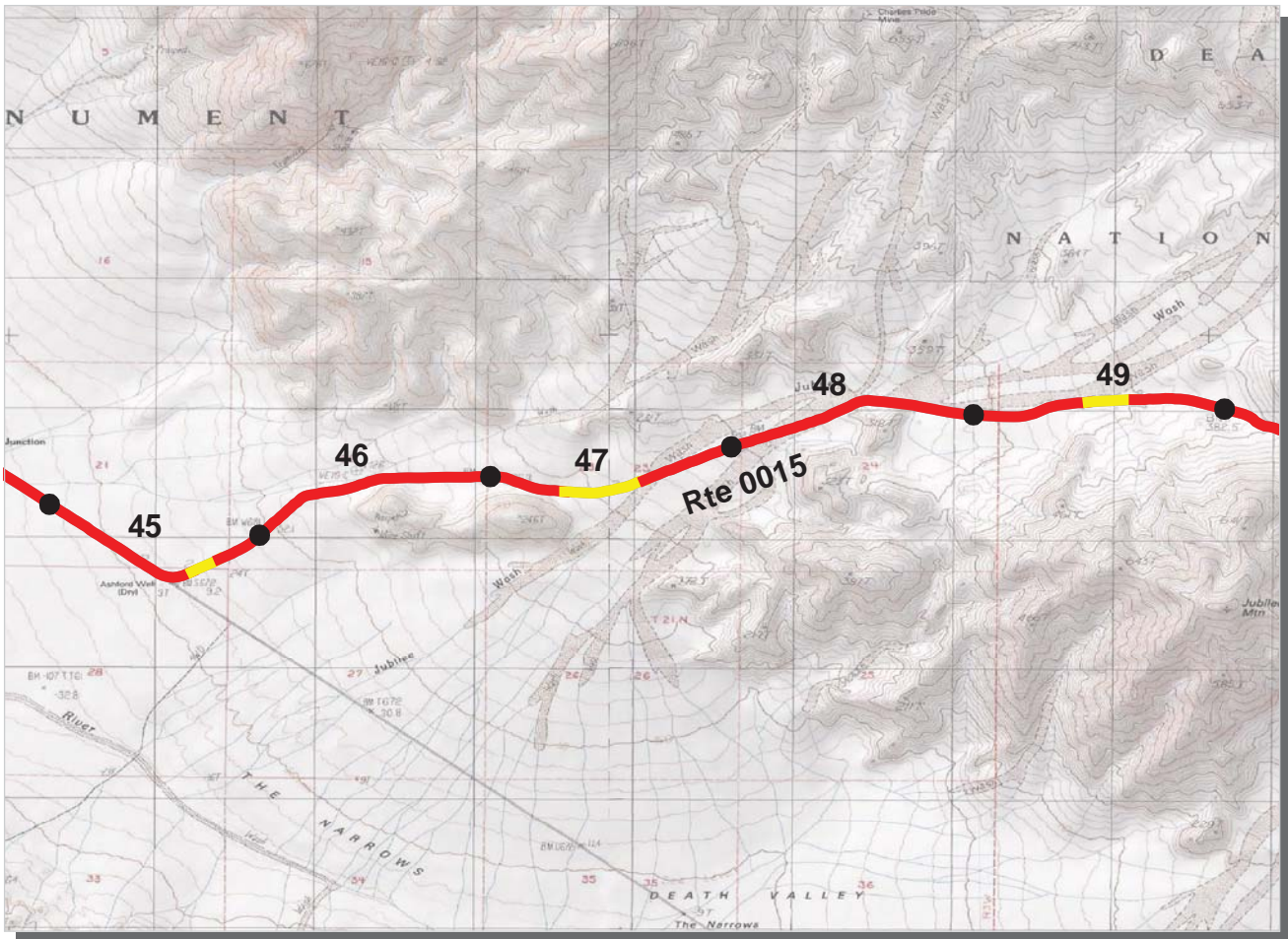
Section Number	35	36	37	38	39
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	20	18	19
Lane Width (ft)	10	9	9	9	9
Shoulder Width (ft)	5	8	7	8	7
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	34	33	44	38	22
RCI (Roughness Condition Index)	63	57	62	68	55
SCR (Surface Condition Rating)	15	16	32	18	0
Alligator Cracking Index	97	98	87	97	94
Rutting Index	28	37	58	53	36
Patching Index	99	98	98	98	98
Transverse Cracking Index	90	88	81	74	65
Longitudinal Cracking Index	94	91	92	86	81
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0015 Badwater Road**

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







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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

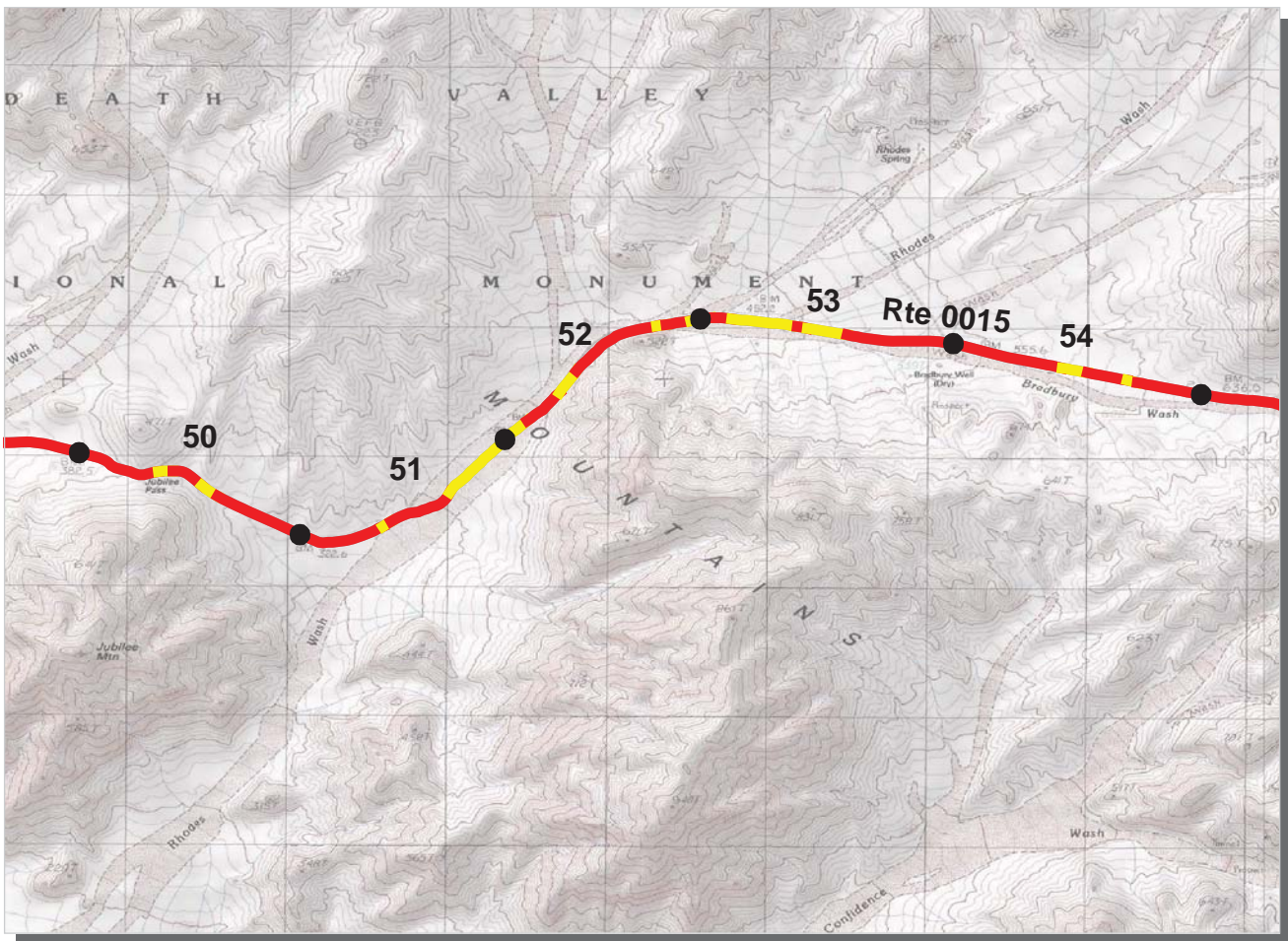
**ROUTE: 0015 Badwater Road** **TOTAL LENGTH: 59.94 Miles**

Section Number	45	46	47	48	49
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	22	21	22	20
Lane Width (ft)	10	11	10	12	10
Shoulder Width (ft)	7	7	7	10	13
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	45	39	52	44	49
RCI (Roughness Condition Index)	77	71	89	85	96
SCR (Surface Condition Rating)	24	17	28	16	17
Alligator Cracking Index	99	100	100	99	100
Rutting Index	37	36	57	47	45
Patching Index	99	99	100	98	100
Transverse Cracking Index	87	86	78	81	80
Longitudinal Cracking Index	97	93	91	87	89
Shoulder Condition Rating	GOOD	N/C	N/C	N/C	N/C
Drainage Condition Rating	GOOD	N/C	N/C	N/C	N/C

**ROUTE: 0015 Badwater Road**

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





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

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

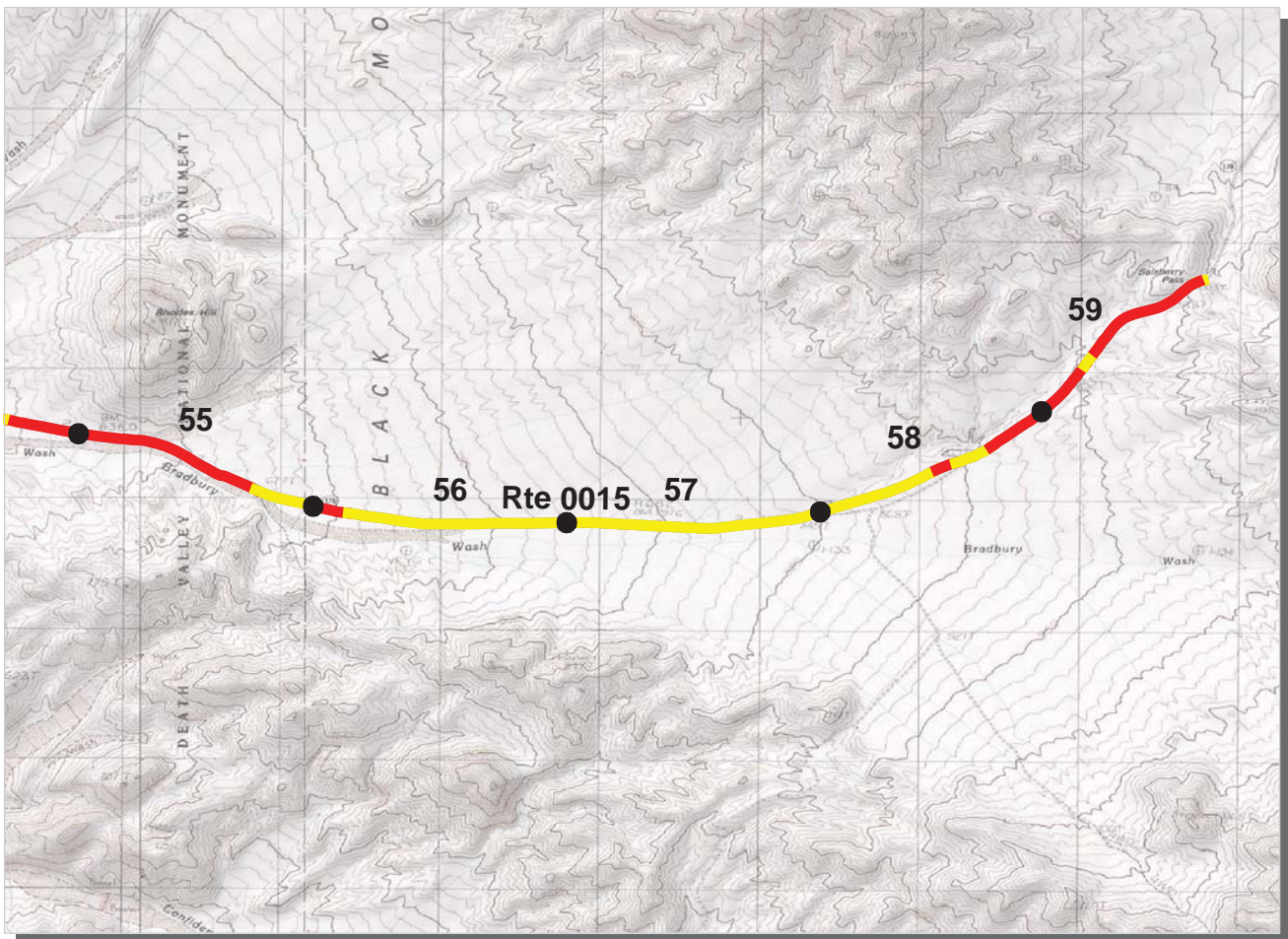
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0015 Badwater Road** **TOTAL LENGTH: 59.94 Miles**

Section Number	50	51	52	53	54
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	20	20	18	20
Lane Width (ft)	12	10	10	9	10
Shoulder Width (ft)	12	10	8	6	7
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	51	53	56	59	48
RCI (Roughness Condition Index)	82	87	84	88	80
SCR (Surface Condition Rating)	31	32	38	40	27
Alligator Cracking Index	94	99	99	99	97
Rutting Index	57	50	56	57	57
Patching Index	99	100	99	99	99
Transverse Cracking Index	85	85	88	87	81
Longitudinal Cracking Index	92	94	93	96	90
Shoulder Condition Rating	N/C	N/C	N/C	N/C	N/C
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

**ROUTE: 0015 Badwater Road**

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

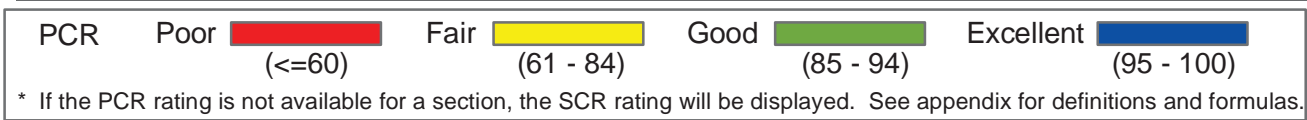
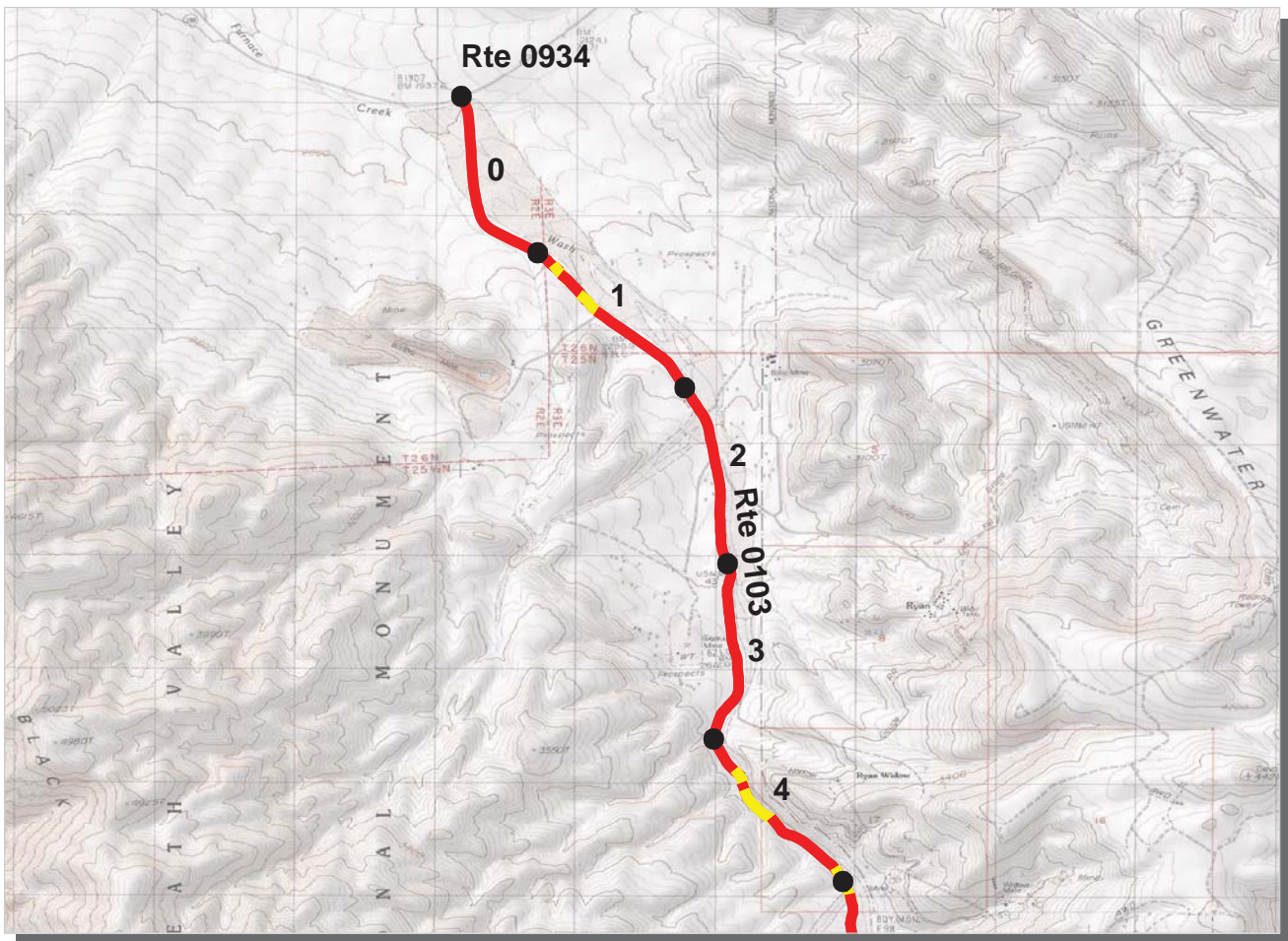
**ROUTE: 0015 Badwater Road** **TOTAL LENGTH: 59.94 Miles**

Section Number	55	56	57	58	59
Section Length (mi)	1.00	1.00	1.00	1.00	0.94
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	23	24	25	23	24
Lane Width (ft)	11	10	13	13	13
Shoulder Width (ft)	10	8	10	7	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	50	66	67	59	52
RCI (Roughness Condition Index)	77	96	99	96	93
SCR (Surface Condition Rating)	33	47	46	35	25
Alligator Cracking Index	96	100	100	100	100
Rutting Index	53	53	53	46	43
Patching Index	99	100	100	100	100
Transverse Cracking Index	87	94	93	91	89
Longitudinal Cracking Index	94	99	99	96	91
Shoulder Condition Rating	N/C	N/C	N/C	N/C	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

**ROUTE: 0015 Badwater Road**

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





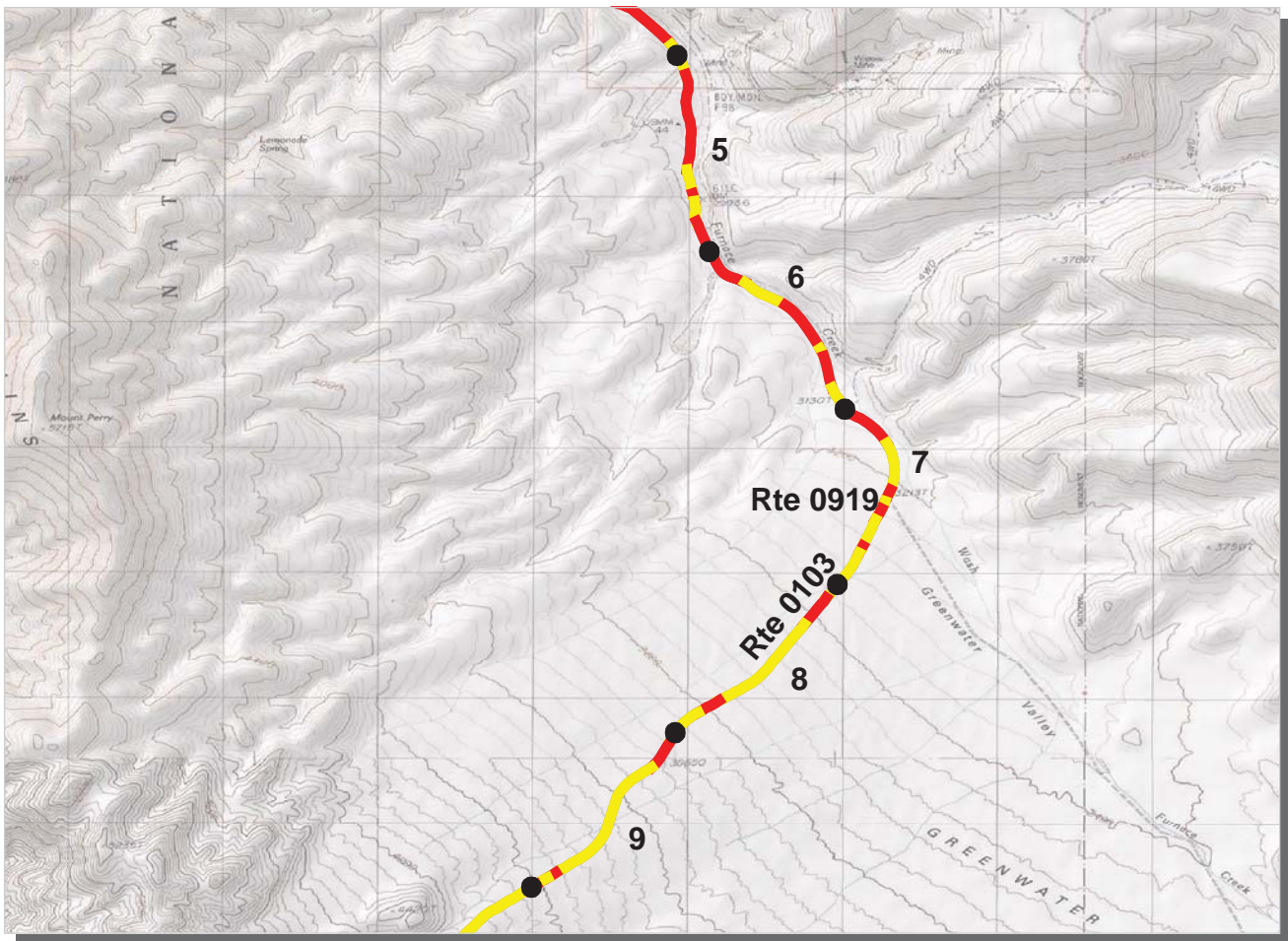
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0103 Dante's View Road** **TOTAL LENGTH: 13.17 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
ADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	22	20	18	19
Lane Width (ft)	11	11	11	9	9
Shoulder Width (ft)	0	6	8	7	6
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	39	48	46	47	56
RCI (Roughness Condition Index)	88	88	86	83	90
SCR (Surface Condition Rating)	8	21	20	24	32
Alligator Cracking Index	68	73	88	97	98
Rutting Index	61	61	58	51	47
Patching Index	100	100	100	100	100
Transverse Cracking Index	60	82	74	78	90
Longitudinal Cracking Index	93	94	93	93	95
Shoulder Condition Rating	N/A	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	POOR	POOR

**ROUTE: 0103 Dante'S View Road**

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

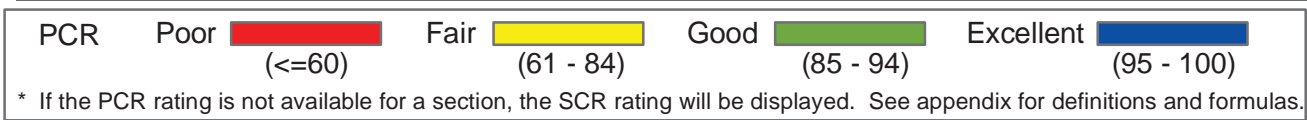
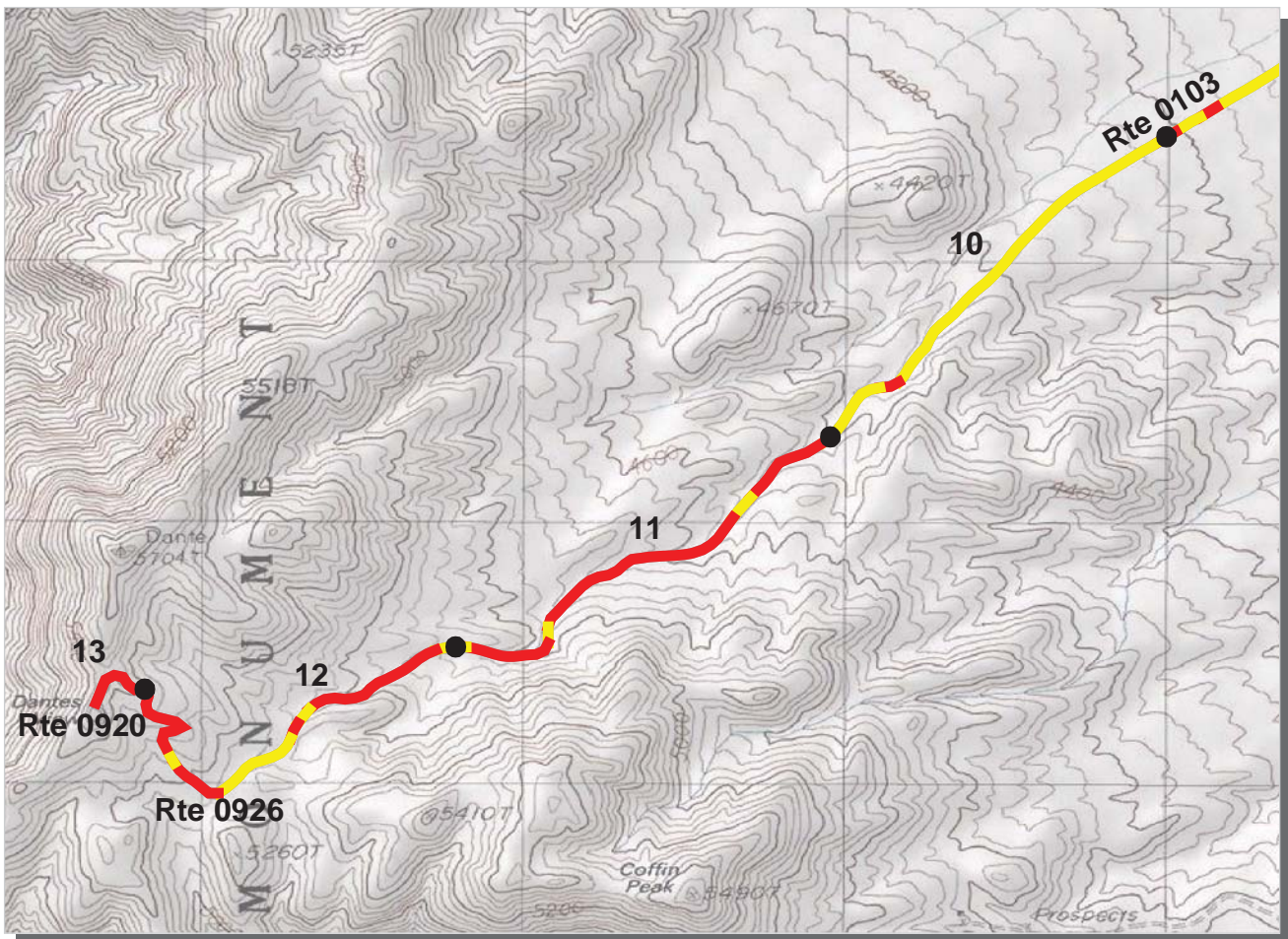
**ROUTE: 0103 Dante's View Road** **TOTAL LENGTH: 13.17 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	19	20	20	19
Lane Width (ft)	11	10	10	10	9
Shoulder Width (ft)	7	7	7	8	6
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	54	57	62	61	65
RCI (Roughness Condition Index)	92	96	93	92	98
SCR (Surface Condition Rating)	29	31	41	42	42
Alligator Cracking Index	99	99	98	96	98
Rutting Index	44	37	57	57	55
Patching Index	100	99	100	100	100
Transverse Cracking Index	89	94	90	92	93
Longitudinal Cracking Index	95	99	95	95	95
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0103 Dante's View Road**

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





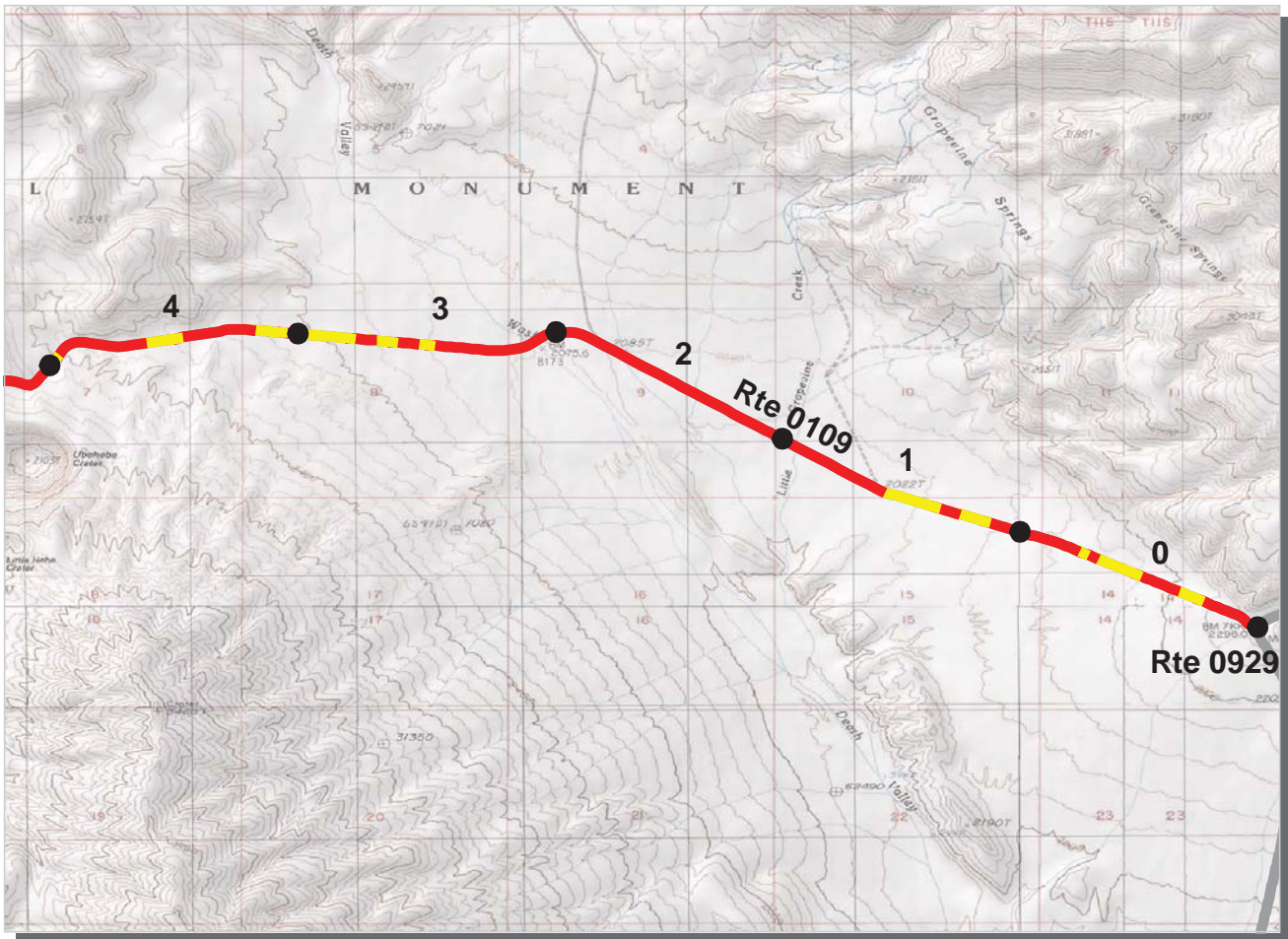
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0103 Dante's View Road** **TOTAL LENGTH: 13.17 Miles**

Section Number	10	11	12	13	
Section Length (mi)	1.00	1.00	1.00	0.17	
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	
Paved Width (ft)	19	22	20	23	
Lane Width (ft)	9	11	11	11	
Shoulder Width (ft)	8	0	0	0	
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	64	53	48	43	
RCI (Roughness Condition Index)	95	84	71	68	
SCR (Surface Condition Rating)	44	32	37	36	
Alligator Cracking Index	99	98	100	100	
Rutting Index	55	47	45	41	
Patching Index	100	100	100	100	
Transverse Cracking Index	92	90	93	95	
Longitudinal Cracking Index	97	95	99	99	
Shoulder Condition Rating	GOOD	N/A	N/A	N/A	
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	

**ROUTE: 0103 Dante's View Road**

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

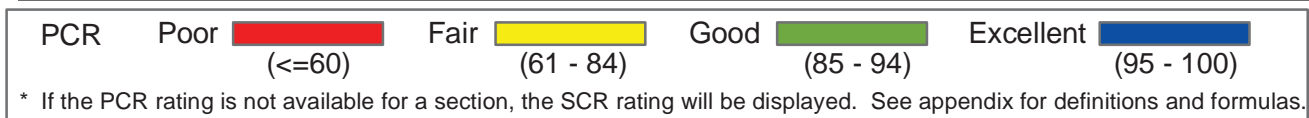
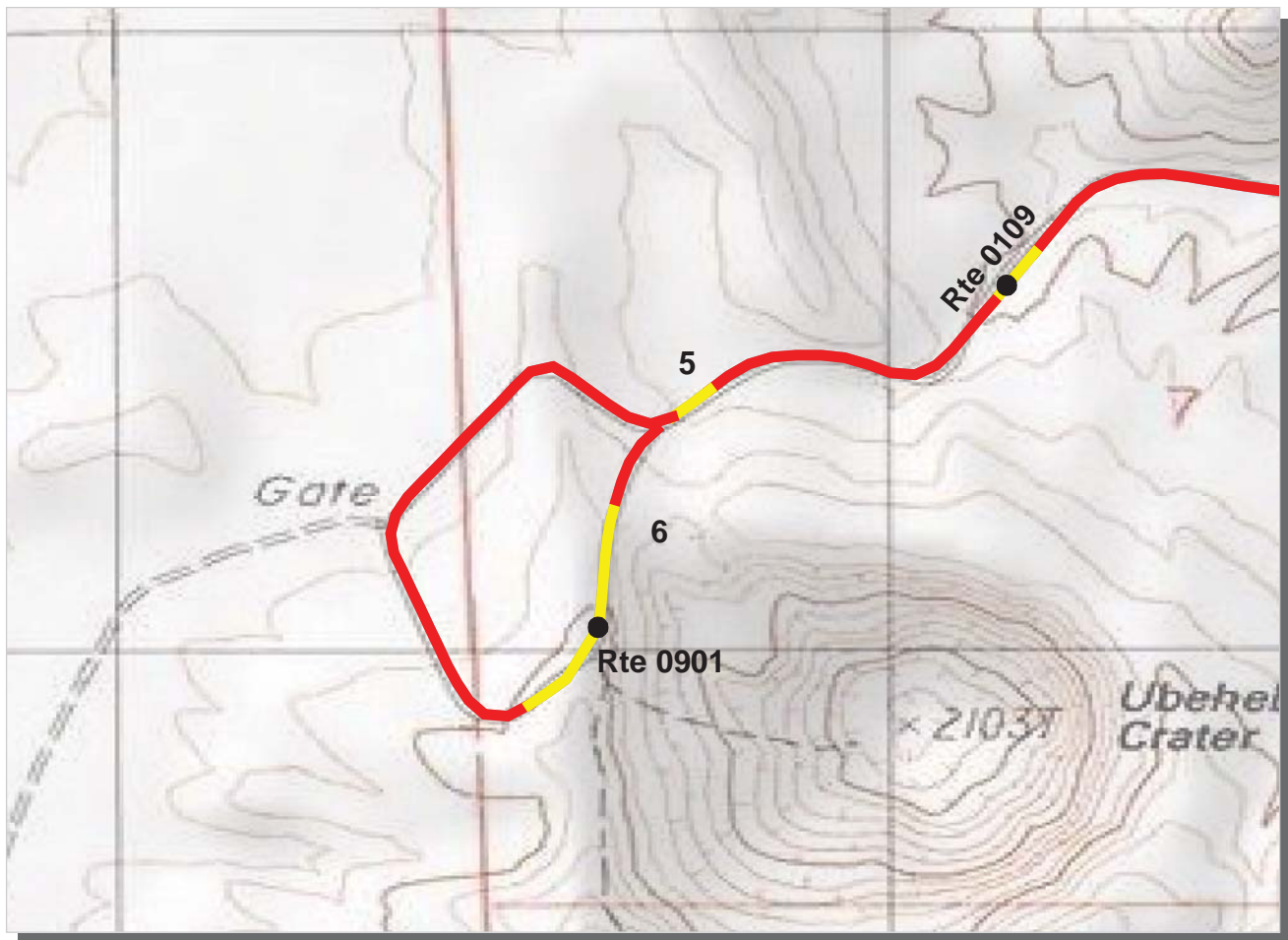
**ROUTE: 0109 Ubehebe Crater Road** **TOTAL LENGTH: 6.20 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	20	17	16	17
Lane Width (ft)	12	11	9	8	9
Shoulder Width (ft)	4	5	6	8	8
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	54	53	38	47	45
RCI (Roughness Condition Index)	75	77	-1	86	77
SCR (Surface Condition Rating)	41	43	38	32	32
Alligator Cracking Index	98	93	98	100	94
Rutting Index	61	70	67	66	70
Patching Index	99	99	99	98	99
Transverse Cracking Index	86	80	73	67	68
Longitudinal Cracking Index	94	97	97	96	96
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0109 Ubehebe Crater Road

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





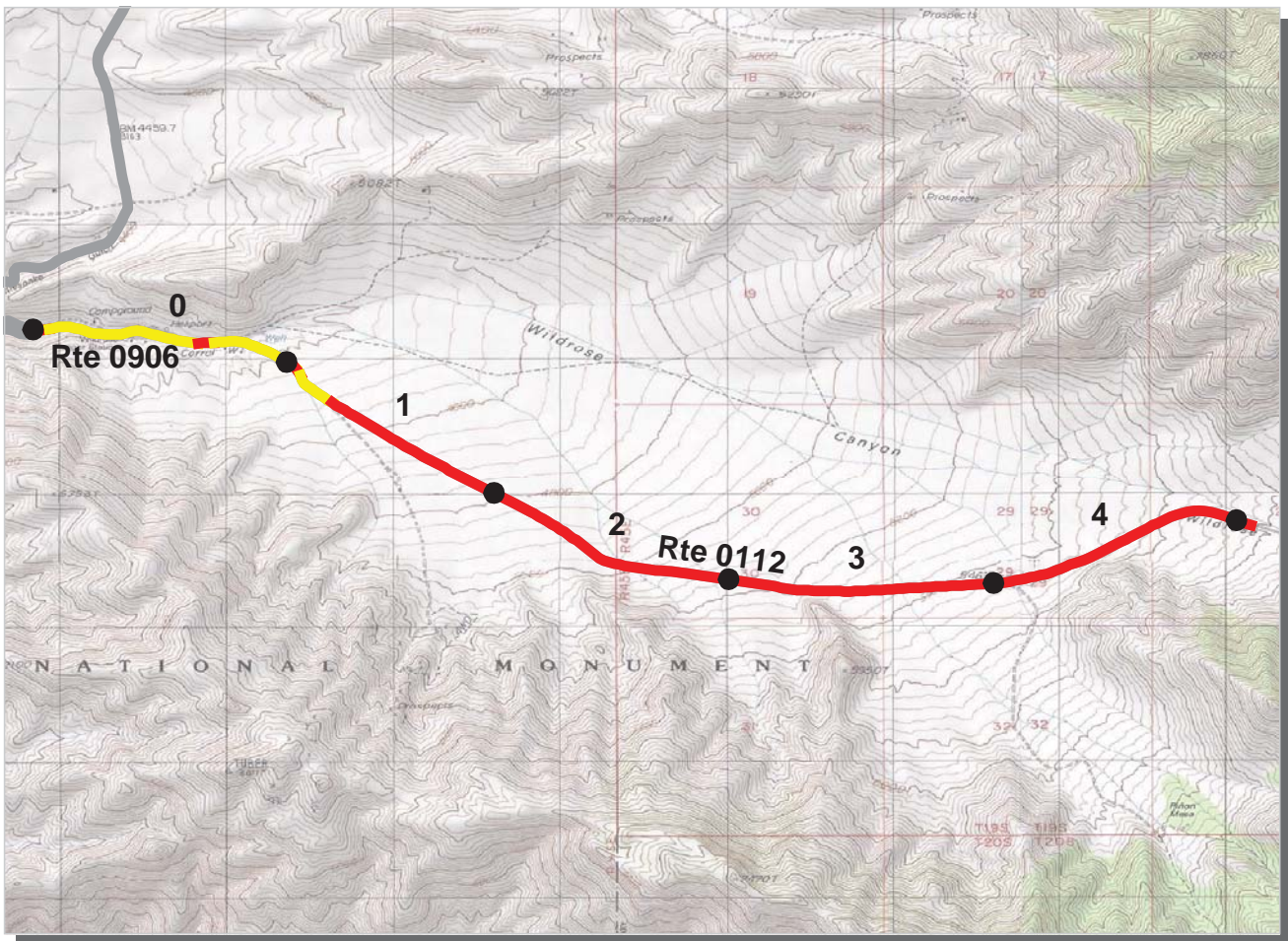
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0109 Ubehebe Crater Road** **TOTAL LENGTH: 6.20 Miles**

Section Number	5	6			
Section Length (mi)	0.98	0.22			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	1			
Paved Width (ft)	16	10			
Lane Width (ft)	9	10			
Shoulder Width (ft)	9	6			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	45	47			
RCI (Roughness Condition Index)	72	83			
SCR (Surface Condition Rating)	44	37			
Alligator Cracking Index	95	96			
Rutting Index	70	80			
Patching Index	99	100			
Transverse Cracking Index	76	53			
Longitudinal Cracking Index	96	96			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0109 Ubehebe Crater Road

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

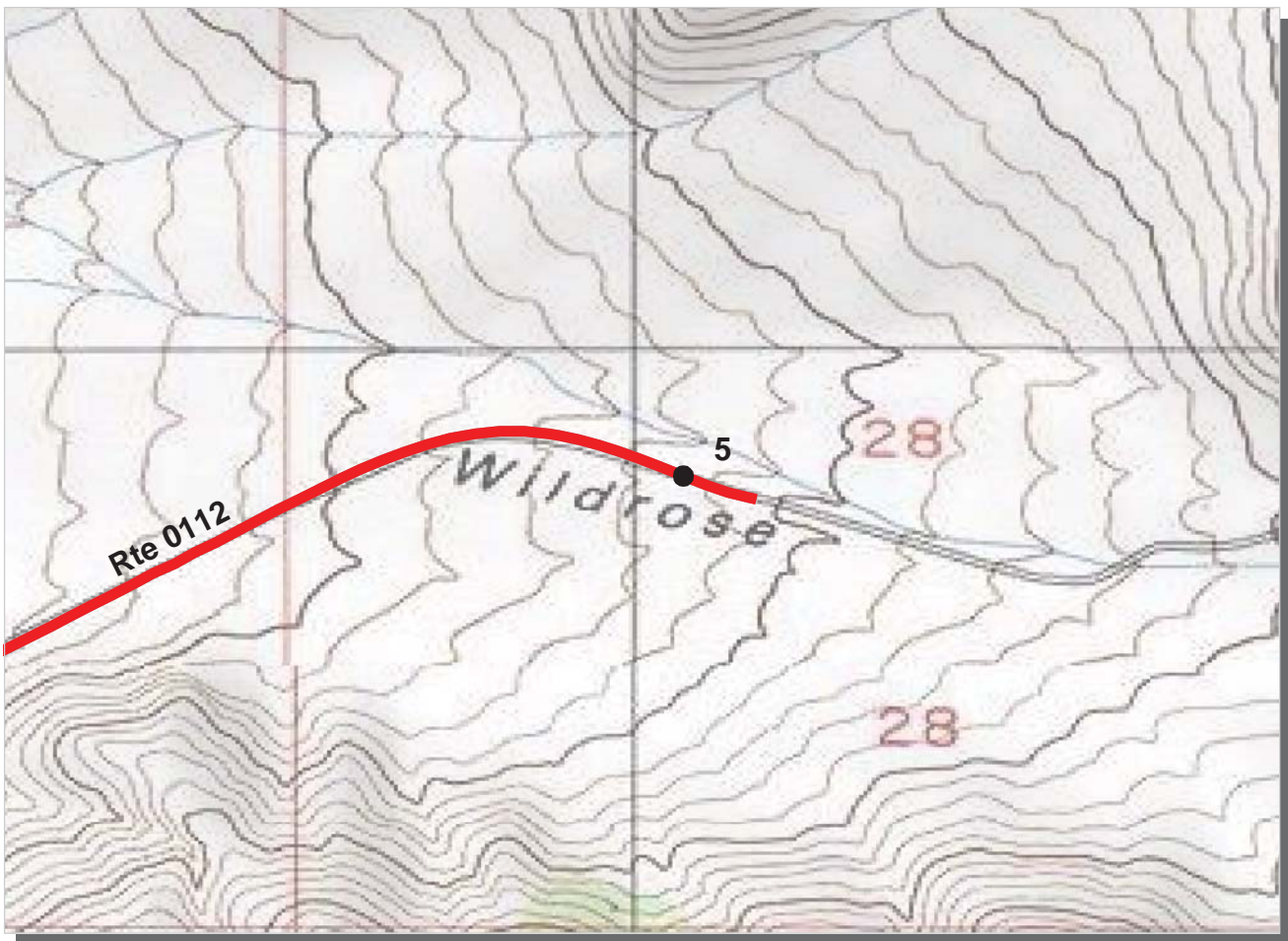
**ROUTE: 0112 Charcoal Kilns Road** **TOTAL LENGTH: 5.07 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	23	18	17	17
Lane Width (ft)	11	14	10	9	9
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	66	23	6	10	6
RCI (Roughness Condition Index)	79	68	100	58	54
SCR (Surface Condition Rating)	58	19	5	3	3
Alligator Cracking Index	100	91	91	77	79
Rutting Index	70	45	28	29	21
Patching Index	99	84	91	95	97
Transverse Cracking Index	91	86	80	81	88
Longitudinal Cracking Index	97	93	88	87	91
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0112 Charcoal Kilns Road

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





PCR	Poor	<span style="background-color: red; color: black;"> </span>	Fair	<span style="background-color: yellow; color: black;"> </span>	Good	<span style="background-color: green; color: black;"> </span>	Excellent	<span style="background-color: blue; color: black;"> </span>
		(<=60)		(61 - 84)		(85 - 94)		(95 - 100)

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

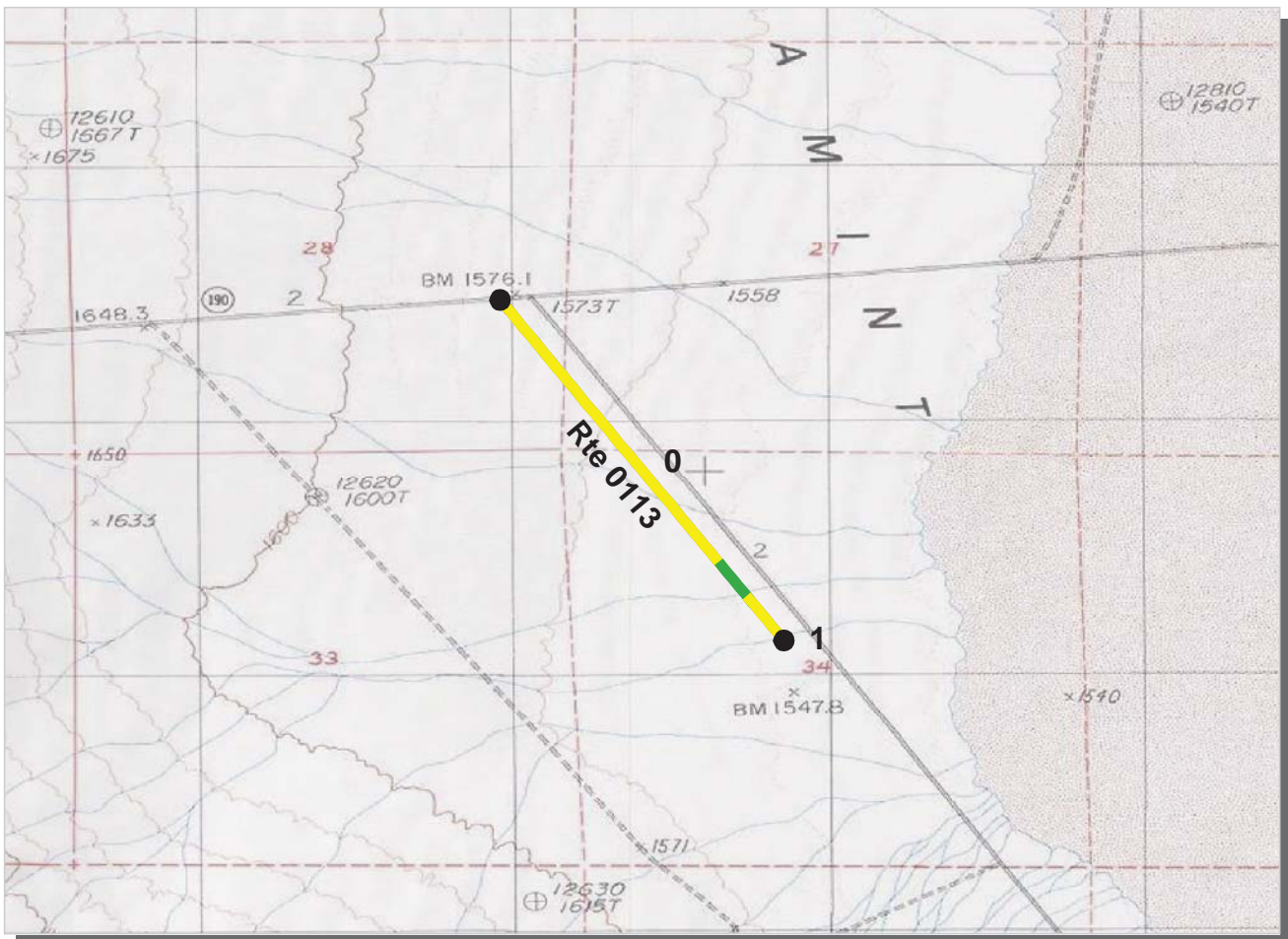
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0112 Charcoal Kilns Road** **TOTAL LENGTH: 5.07 Miles**

Section Number	5				
Section Length (mi)	0.07				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	8				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	8				
Alligator Cracking Index	47				
Rutting Index	30				
Patching Index	97				
Transverse Cracking Index	95				
Longitudinal Cracking Index	95				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0112 Charcoal Kilns Road

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

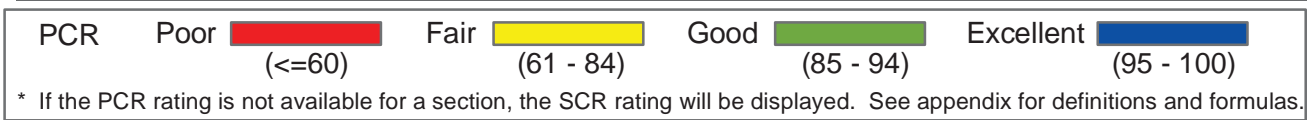
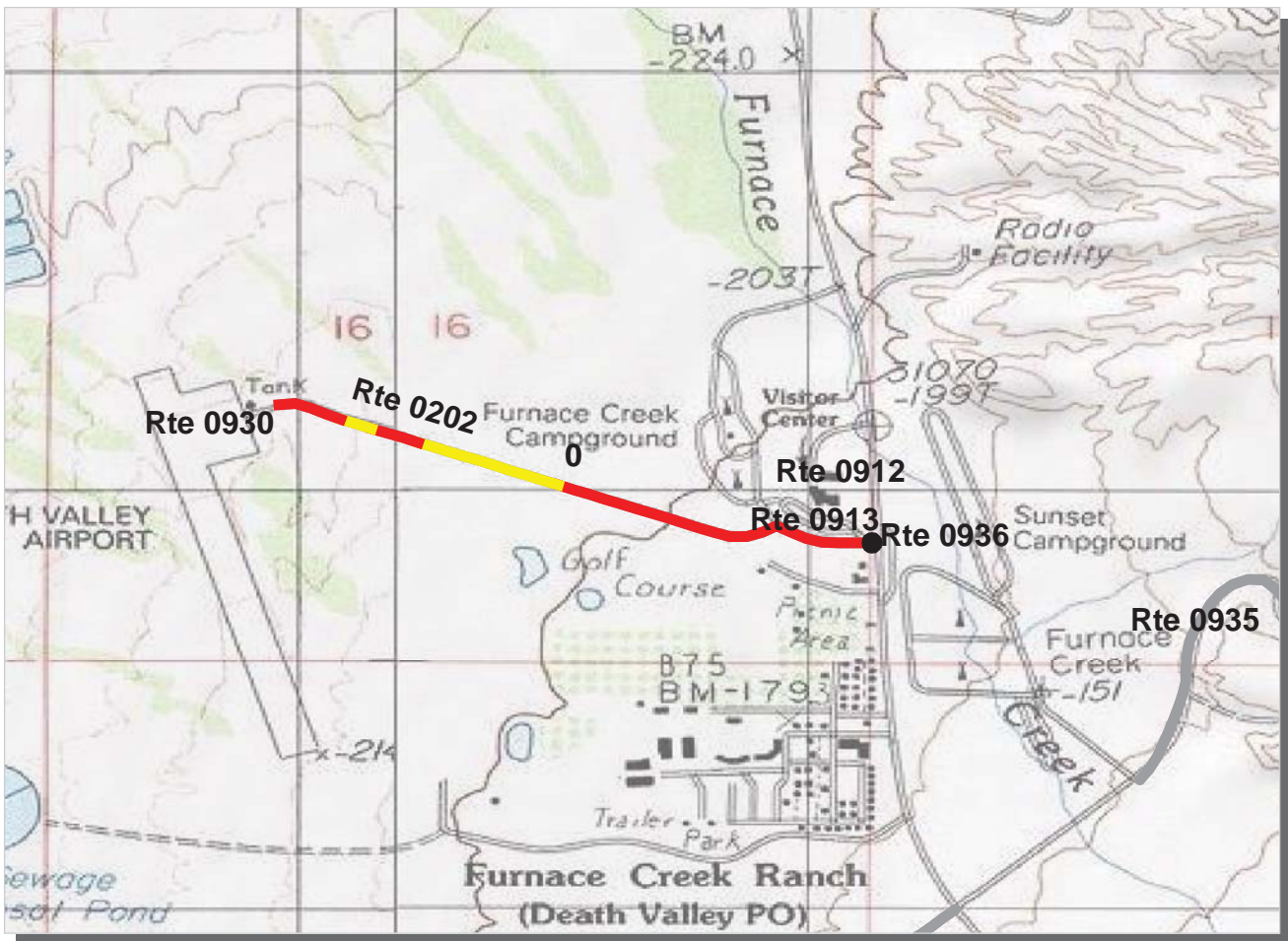
**ROUTE: 0113 Panamint Valley Road** **TOTAL LENGTH: 1.01 Miles**

Section Number	0	1		
Section Length (mi)	1.00	0.01		
AADT	**			
SADT	**			
ADT Date	**			
<b>Cross Section Information</b>				
Number of Lanes	2	2		
Paved Width (ft)	24	24		
Lane Width (ft)	12	12		
Shoulder Width (ft)	6	6		
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	72	87		
RCI (Roughness Condition Index)	95	86		
SCR (Surface Condition Rating)	58	87		
Alligator Cracking Index	100	100		
Rutting Index	64	95		
Patching Index	100	100		
Transverse Cracking Index	97	96		
Longitudinal Cracking Index	97	96		
Shoulder Condition Rating	GOOD	GOOD		
Drainage Condition Rating	GOOD	GOOD		

ROUTE: 0113 Panamint Valley Road

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





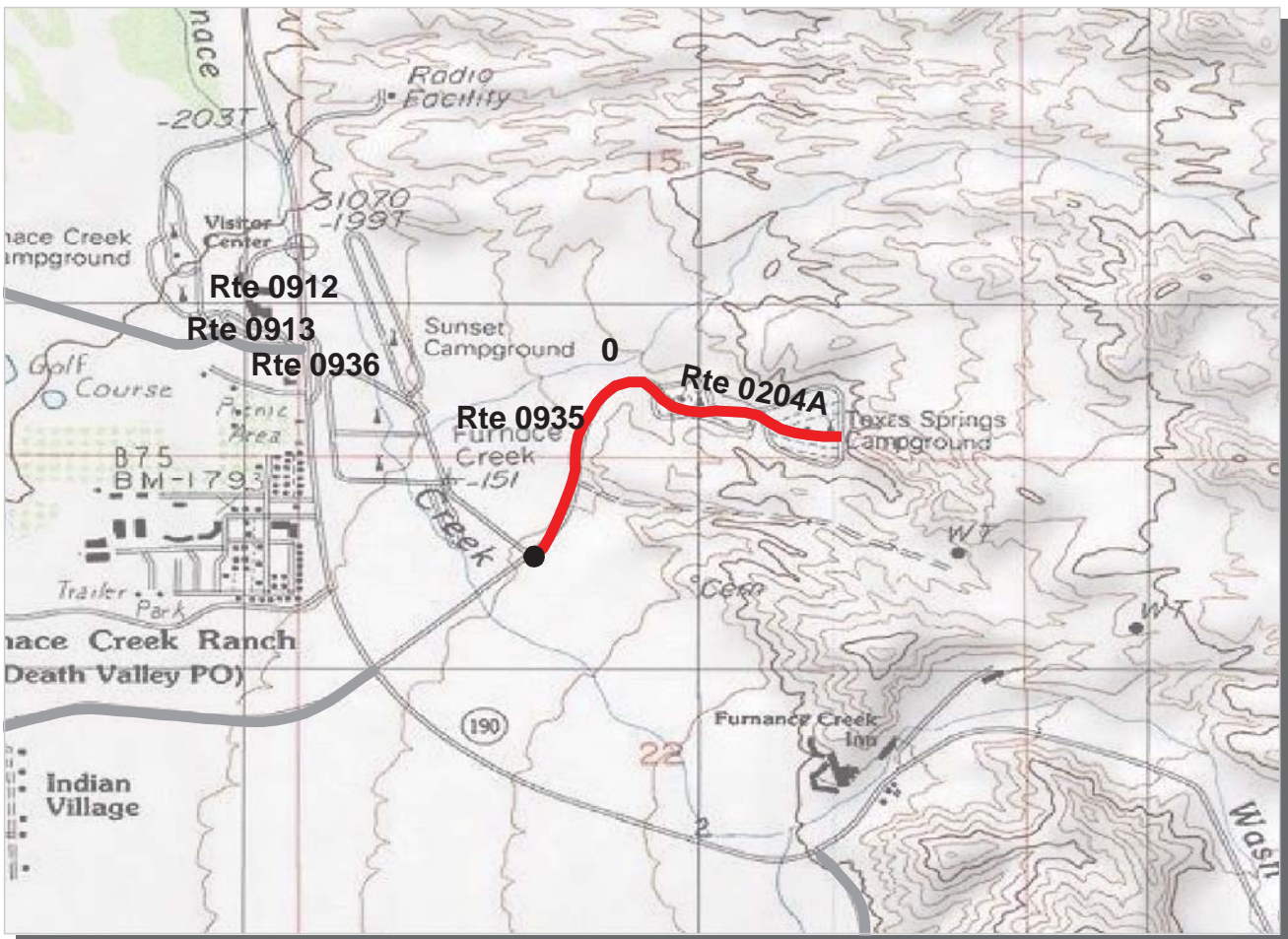
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0202 Furnace Creek Airport Road** **TOTAL LENGTH: 0.78 Miles**

Section Number	0				
Section Length (mi)	0.78				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	32				
RCI (Roughness Condition Index)	69				
SCR (Surface Condition Rating)	19				
Alligator Cracking Index	77				
Rutting Index	74				
Patching Index	99				
Transverse Cracking Index	63				
Longitudinal Cracking Index	76				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0202 Furnace Creek Airport Road

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

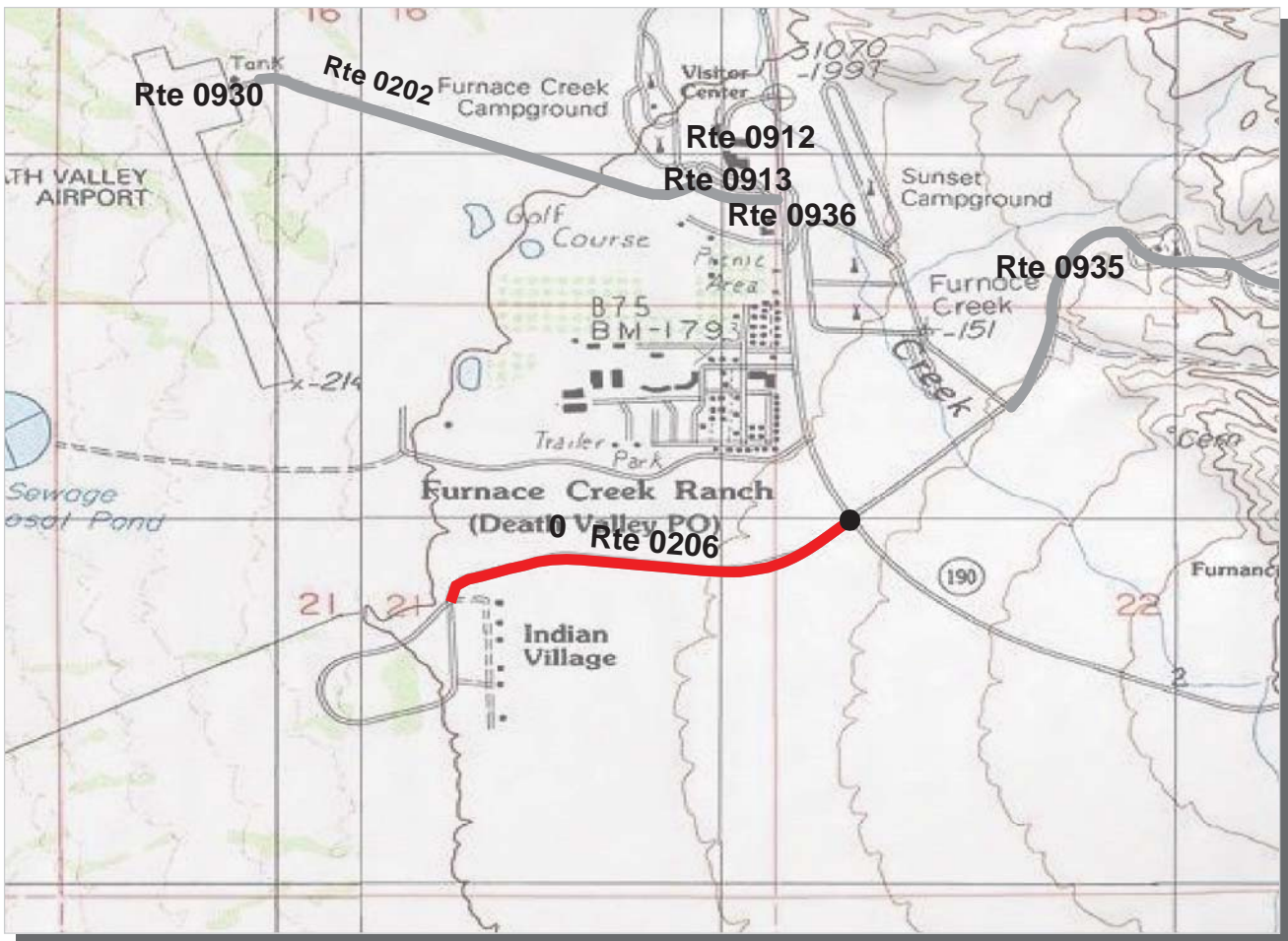
**ROUTE: 0204A Texas Spring / Sunset Campgrounds Access Road      TOTAL LENGTH: 0.67 Miles**

Section Number	0				
Section Length (mi)	0.67				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width (ft)	8				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	24				
RCI (Roughness Condition Index)	85				
SCR (Surface Condition Rating)	13				
Alligator Cracking Index	64				
Rutting Index	62				
Patching Index	98				
Transverse Cracking Index	70				
Longitudinal Cracking Index	88				
Shoulder Condition Rating	N/C				
Drainage Condition Rating	N/C				

ROUTE: 0204A Texas Spring / Sunset Campgrounds Access Road

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





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

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

**Pacific West Region**

**DEVA : Death Valley National Park**

**ROUTE: 0206 Timbisha Shoshone Village Road**

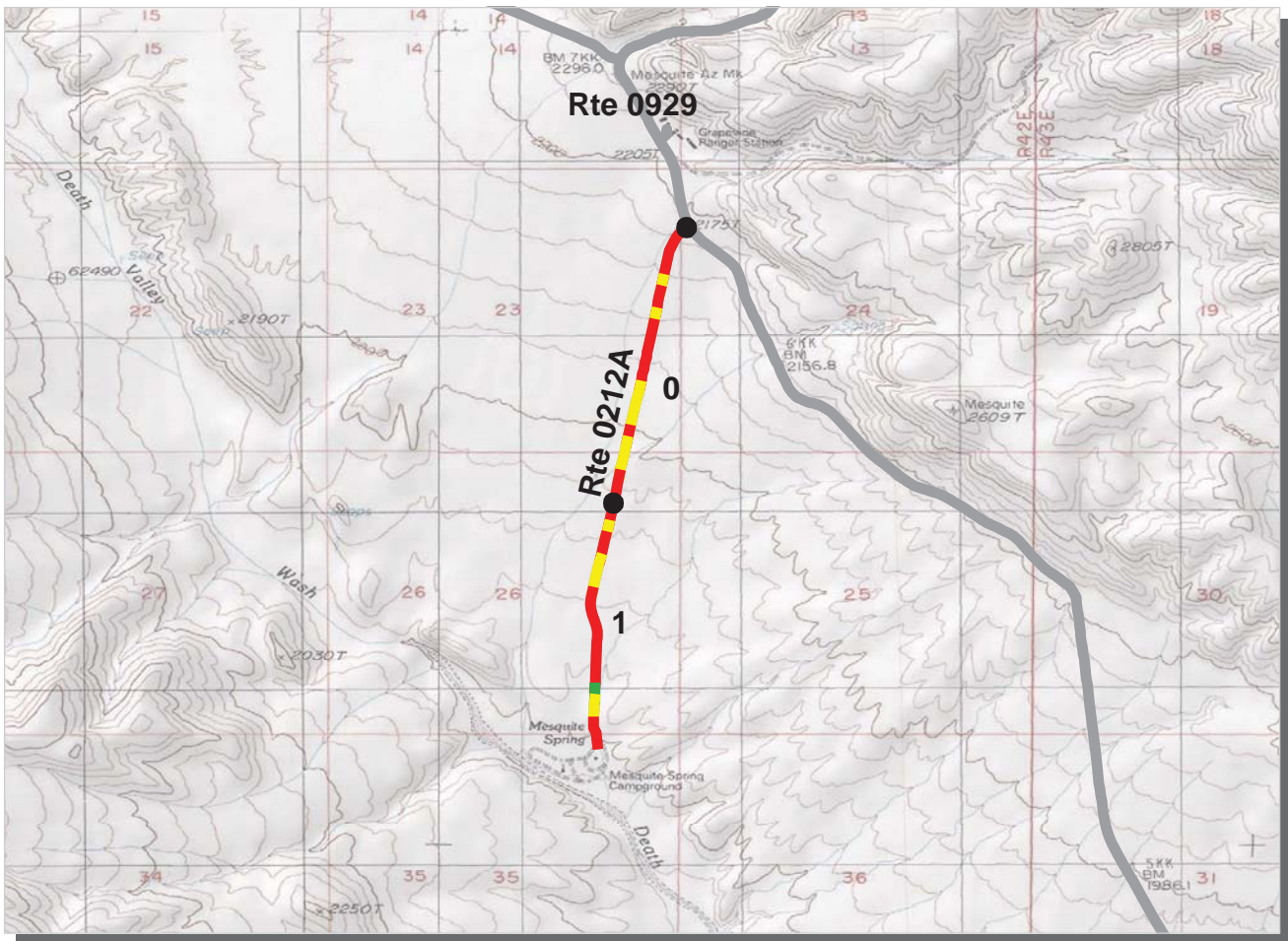
**TOTAL LENGTH: 0.61 Miles**

Section Number	0			
Section Length (mi)	0.61			
AADT	**			
SADT	**			
ADT Date	**			
<b>Cross Section Information</b>				
Number of Lanes	2			
Paved Width (ft)	17			
Lane Width (ft)	9			
Shoulder Width (ft)	7			
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	30			
RCI (Roughness Condition Index)	81			
SCR (Surface Condition Rating)	5			
Alligator Cracking Index	53			
Rutting Index	58			
Patching Index	100			
Transverse Cracking Index	76			
Longitudinal Cracking Index	84			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

**ROUTE: 0206 Timbisha Shoshone Village Road**

\* NC designates data not collected    NA designates not applicable

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



PCR	Poor	<span style="display:inline-block; width:20px; height:10px; background-color:red;"></span>	Fair	<span style="display:inline-block; width:20px; height:10px; background-color:yellow;"></span>	Good	<span style="display:inline-block; width:20px; height:10px; background-color:green;"></span>	Excellent	<span style="display:inline-block; width:20px; height:10px; background-color:blue;"></span>
		(≤60)		(61 - 84)		(85 - 94)		(95 - 100)

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

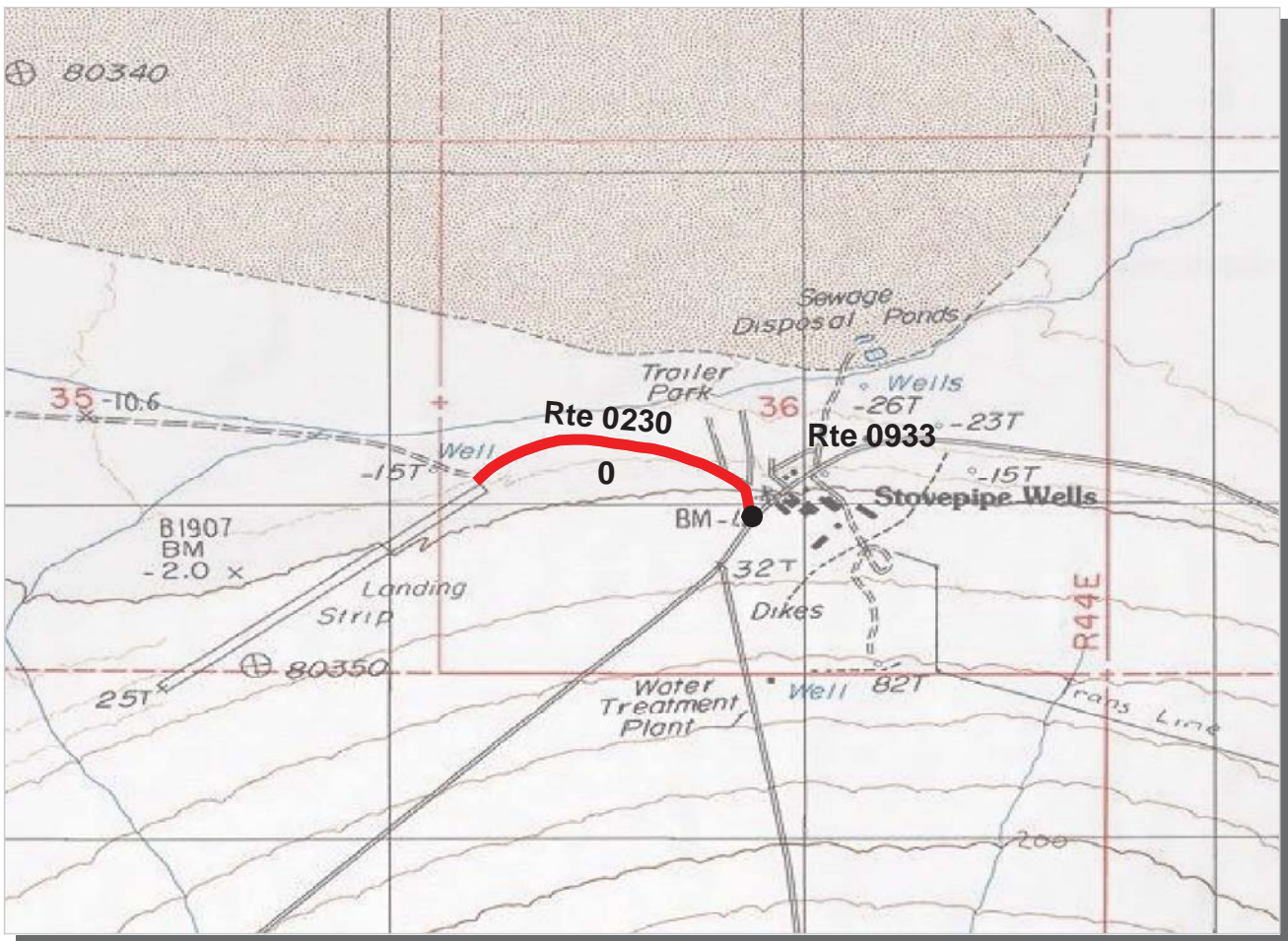
**ROUTE: 0212A Mesquite Spring Campground Access Road** **TOTAL LENGTH: 1.87 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.87			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	17	18			
Lane Width (ft)	9	9			
Shoulder Width (ft)	8	7			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	56	58			
RCI (Roughness Condition Index)	70	68			
SCR (Surface Condition Rating)	48	52			
Alligator Cracking Index	100	100			
Rutting Index	52	57			
Patching Index	100	99			
Transverse Cracking Index	99	99			
Longitudinal Cracking Index	96	95			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

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

**ROUTE: 0212A Mesquite Spring Campground Access Road**





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

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

**Pacific West Region**

**DEVA : Death Valley National Park**

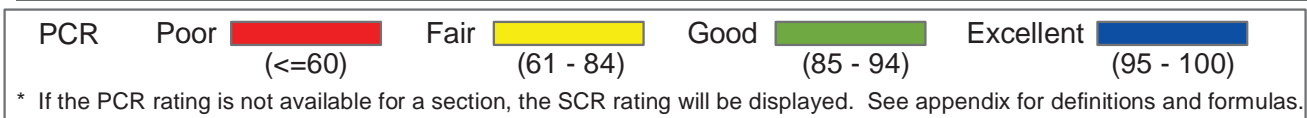
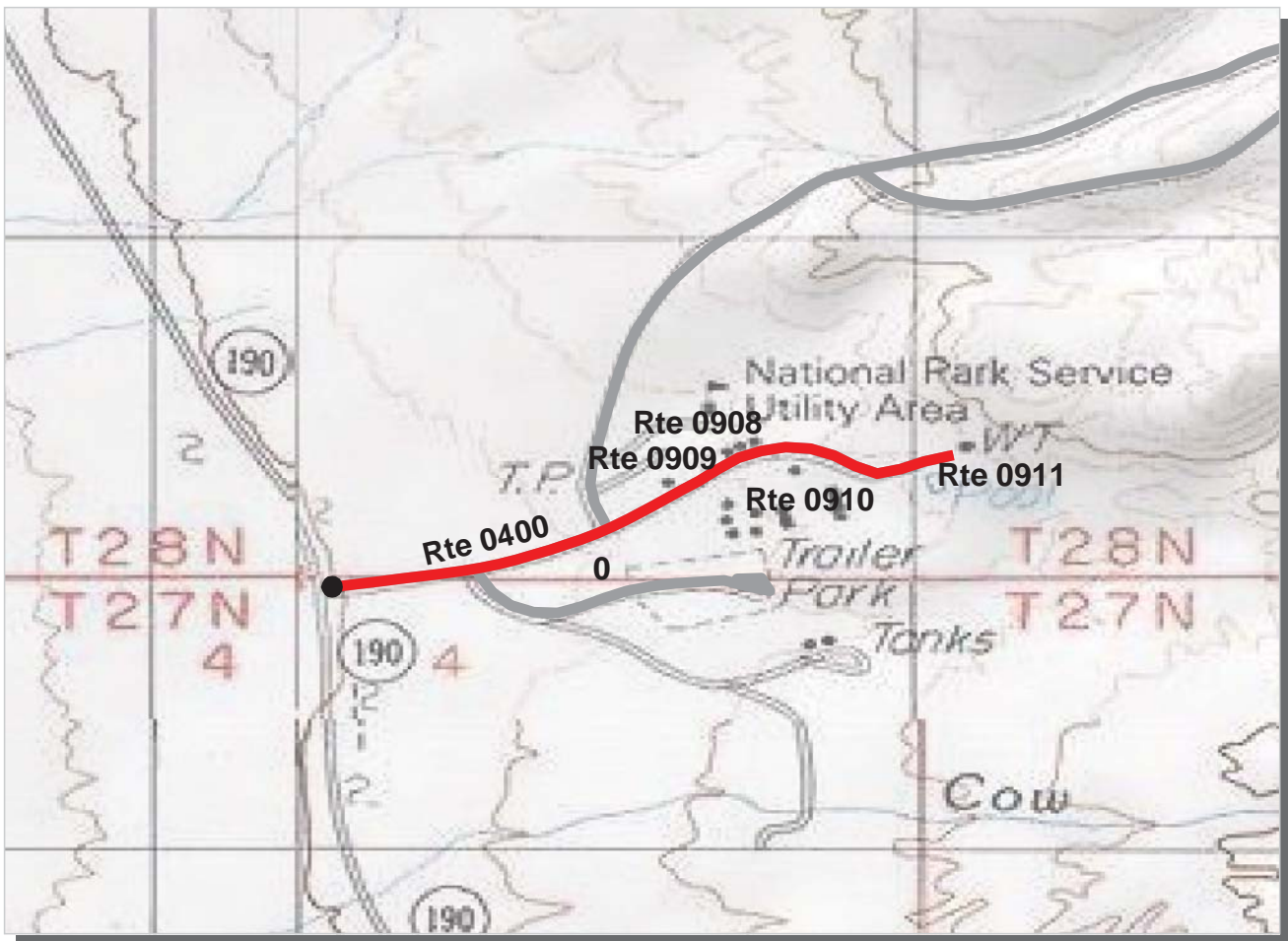
**ROUTE: 0230 Stovepipe Wells Landing Strip Road**

**TOTAL LENGTH: 0.51 Miles**

Section Number	0				
Section Length (mi)	0.51				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	15				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	20				
RCI (Roughness Condition Index)	42				
SCR (Surface Condition Rating)	11				
Alligator Cracking Index	60				
Rutting Index	52				
Patching Index	98				
Transverse Cracking Index	91				
Longitudinal Cracking Index	94				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0230 Stovepipe Wells Landing Strip Road

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



**Pacific West Region**  
**DEVA : Death Valley National Park**

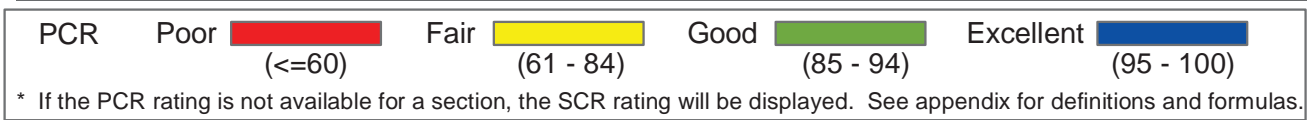
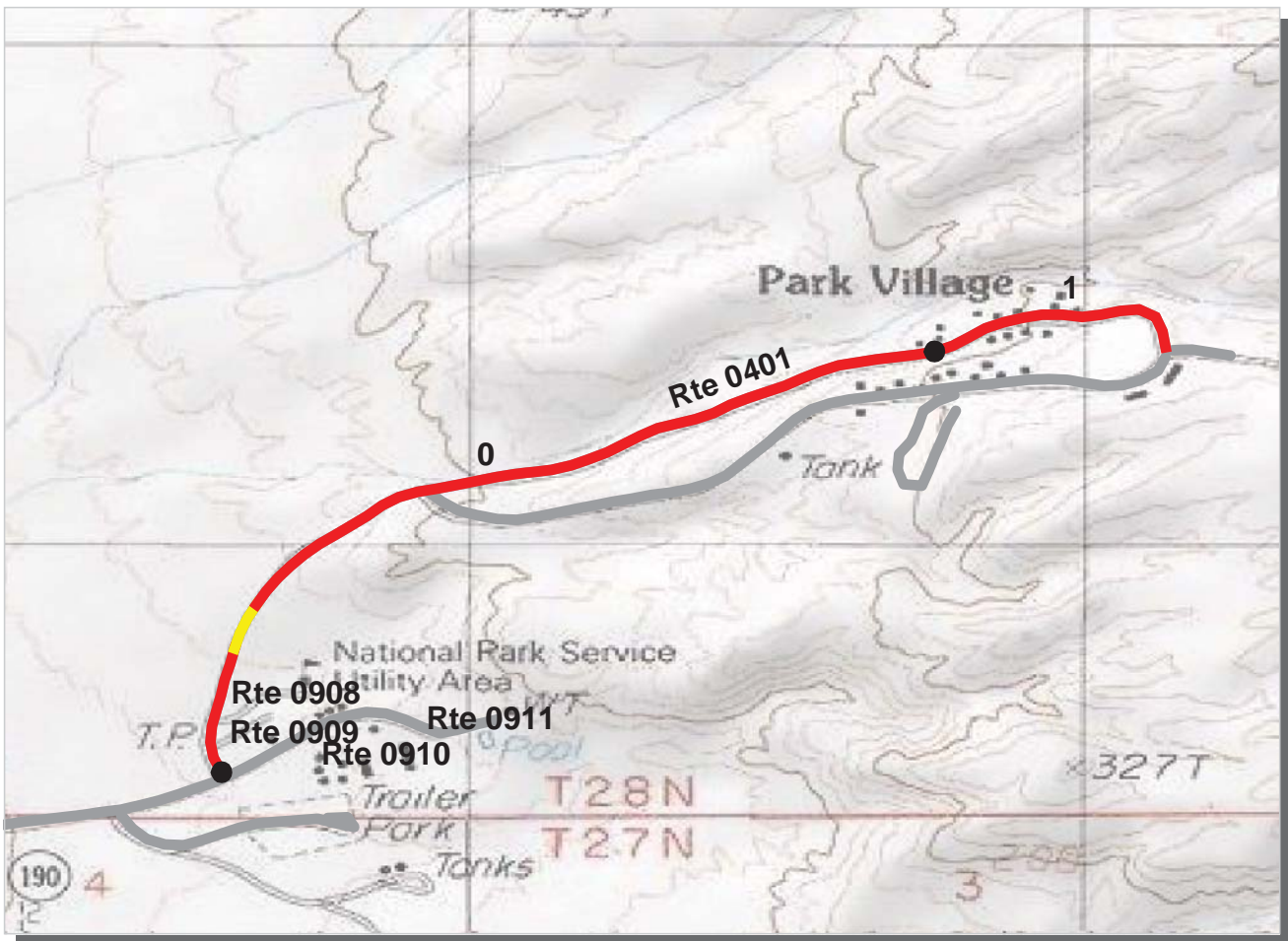
**ROUTE: 0400 Cow Creek Service Road** **TOTAL LENGTH: 0.55 Miles**

Section Number	0			
Section Length (mi)	0.55			
AADT	**			
SADT	**			
ADT Date	**			
<b>Cross Section Information</b>				
Number of Lanes	2			
Paved Width (ft)	19			
Lane Width (ft)	10			
Shoulder Width (ft)	7			
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	26			
RCI (Roughness Condition Index)	67			
SCR (Surface Condition Rating)	21			
Alligator Cracking Index	95			
Rutting Index	51			
Patching Index	99			
Transverse Cracking Index	83			
Longitudinal Cracking Index	87			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

**ROUTE: 0400 Cow Creek Service Road**

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





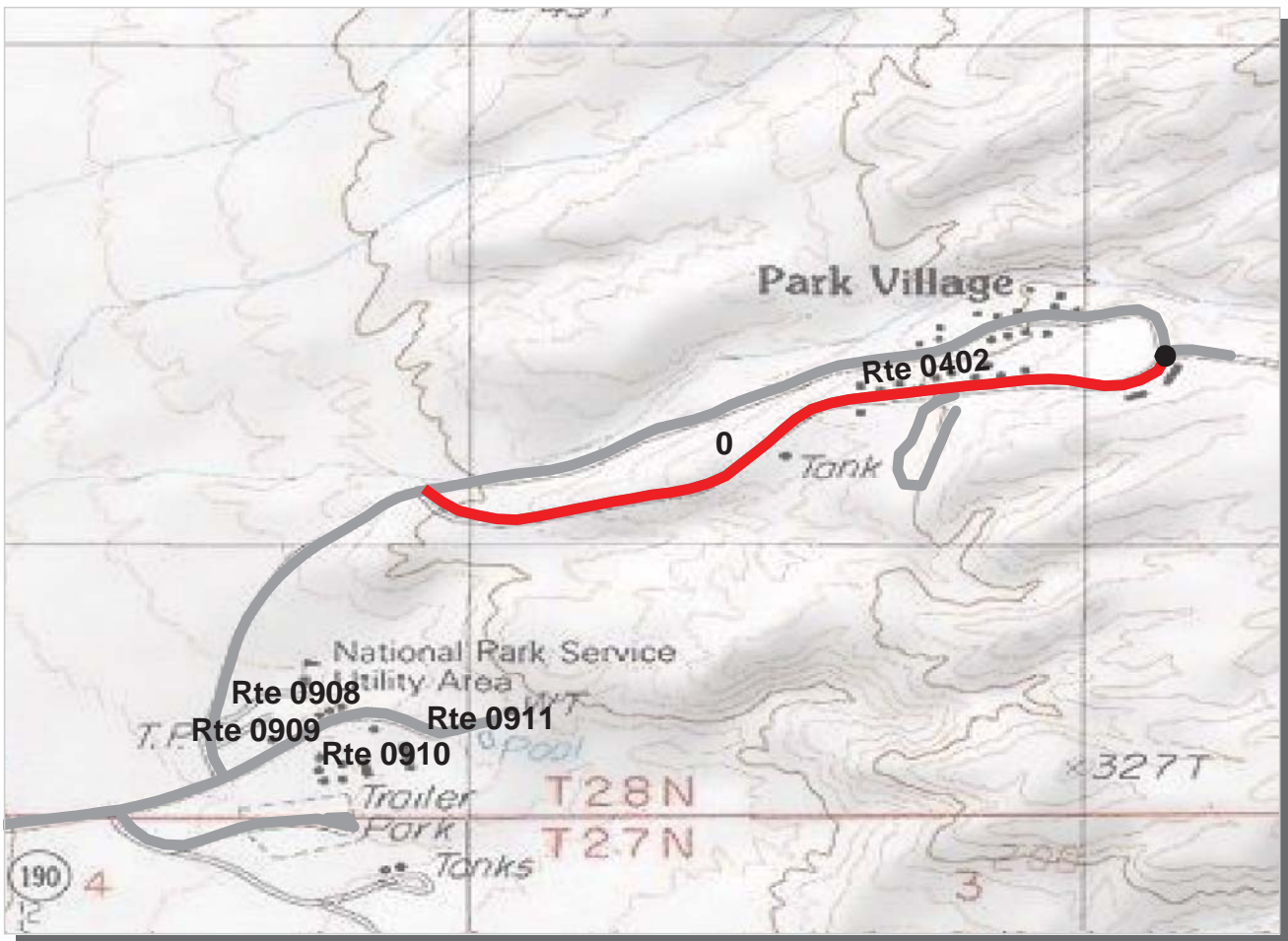
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0401 Old Ghost Road** **TOTAL LENGTH: 1.29 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.29			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	19	19			
Lane Width (ft)	9	10			
Shoulder Width (ft)	7	0			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	39	19			
RCI (Roughness Condition Index)	79	-1			
SCR (Surface Condition Rating)	19	19			
Alligator Cracking Index	99	99			
Rutting Index	61	46			
Patching Index	99	99			
Transverse Cracking Index	73	84			
Longitudinal Cracking Index	84	88			
Shoulder Condition Rating	GOOD	N/A			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0401 Old Ghost Road

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

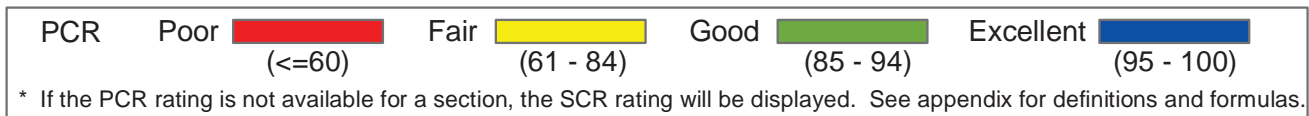
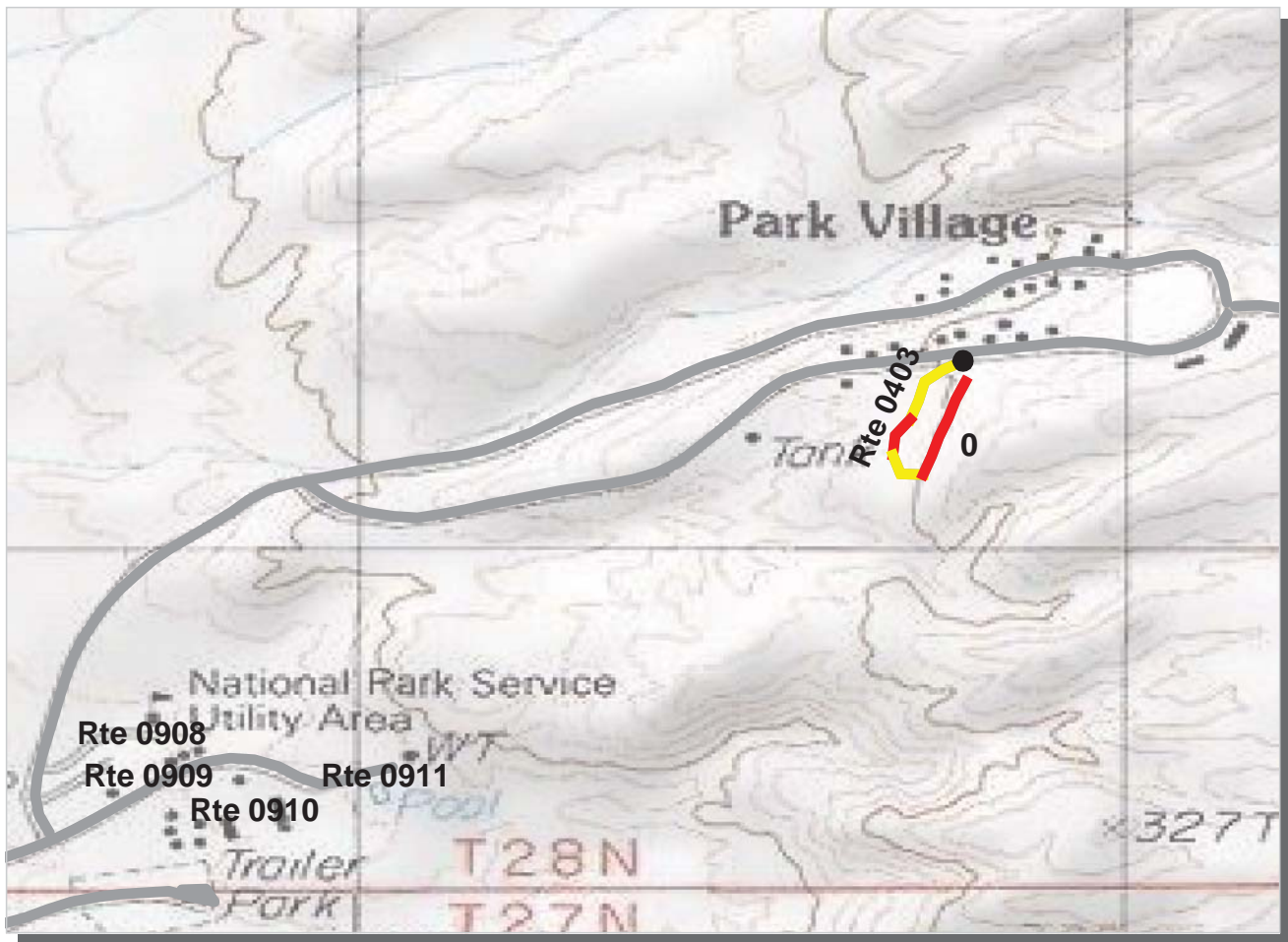
**ROUTE: 0402 Skyline Road** **TOTAL LENGTH: 0.83 Miles**

Section Number	0				
Section Length (mi)	0.83				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	21				
RCI (Roughness Condition Index)	68				
SCR (Surface Condition Rating)	11				
Alligator Cracking Index	98				
Rutting Index	45				
Patching Index	99				
Transverse Cracking Index	78				
Longitudinal Cracking Index	84				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0402 Skyline Road

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





**Pacific West Region**

**DEVA : Death Valley National Park**

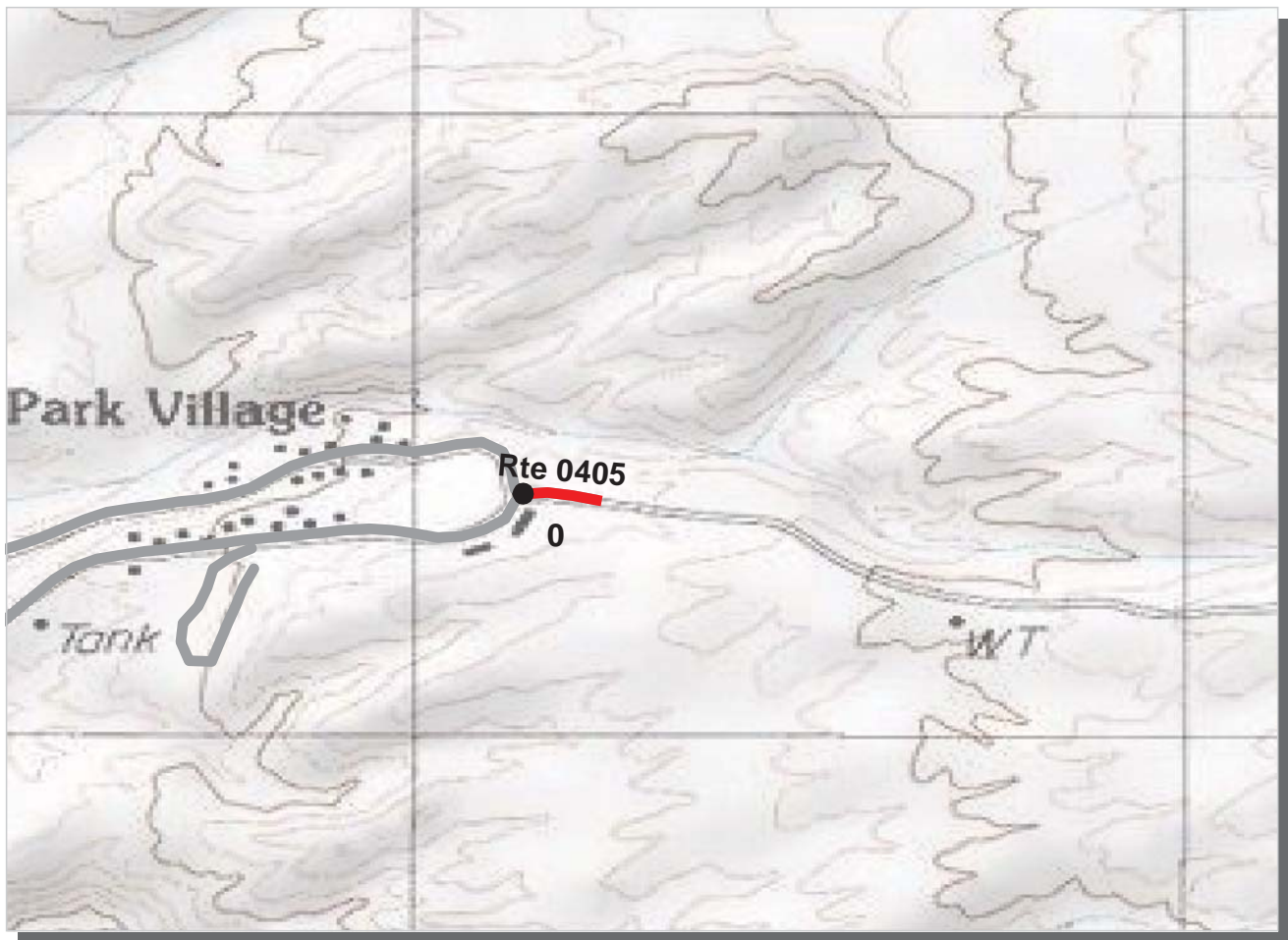
**ROUTE: 0403 Coyote Loop**

**TOTAL LENGTH: 0.28 Miles**

Section Number	0				
Section Length (mi)	0.28				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width (ft)	5				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	46				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	46				
Alligator Cracking Index	100				
Rutting Index	48				
Patching Index	99				
Transverse Cracking Index	99				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

**ROUTE: 0403 Coyote Loop**

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

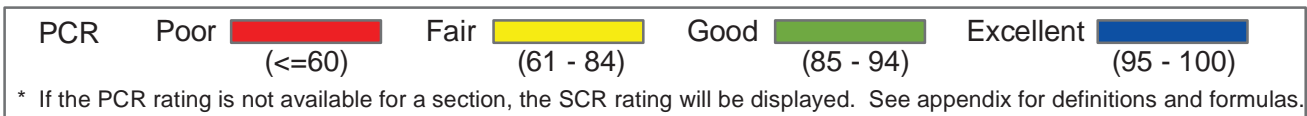
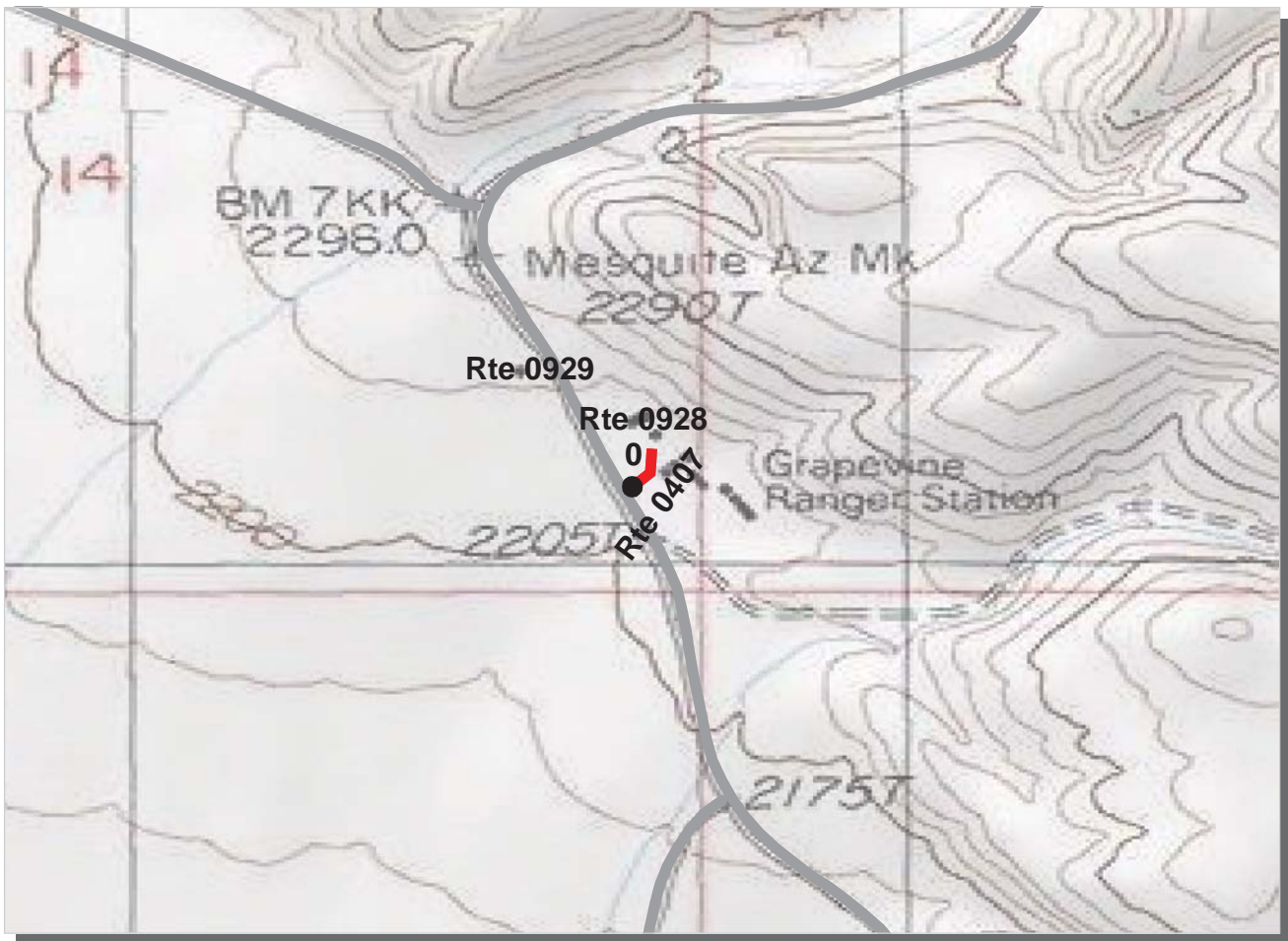
**ROUTE: 0405 Nevarres Road** **TOTAL LENGTH: 0.07 Miles**

Section Number	0			
Section Length (mi)	0.07			
AADT	**			
SADT	**			
ADT Date	**			
<b>Cross Section Information</b>				
Number of Lanes	2			
Paved Width (ft)	20			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	54			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	54			
Alligator Cracking Index	100			
Rutting Index	60			
Patching Index	99			
Transverse Cracking Index	99			
Longitudinal Cracking Index	95			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

**ROUTE: 0405 Nevarres Road**

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





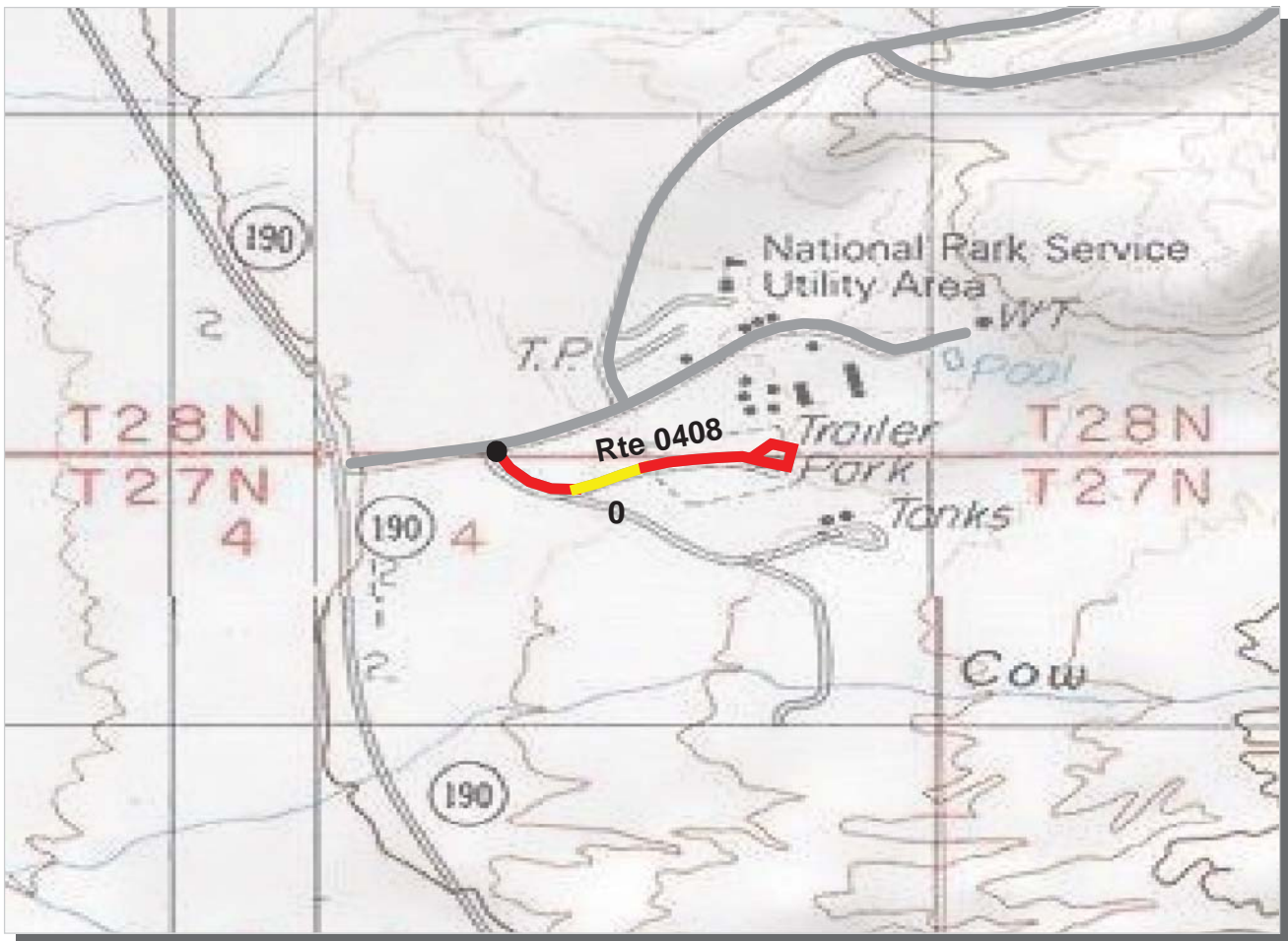
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0407 Grapevine Service Road** **TOTAL LENGTH: 0.06 Miles**

Section Number	0				
Section Length (mi)	0.06				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	28				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	28				
Alligator Cracking Index	95				
Rutting Index	42				
Patching Index	98				
Transverse Cracking Index	93				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

**ROUTE: 0407 Grapevine Service Road**

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



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

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

**Pacific West Region**  
**DEVA : Death Valley National Park**

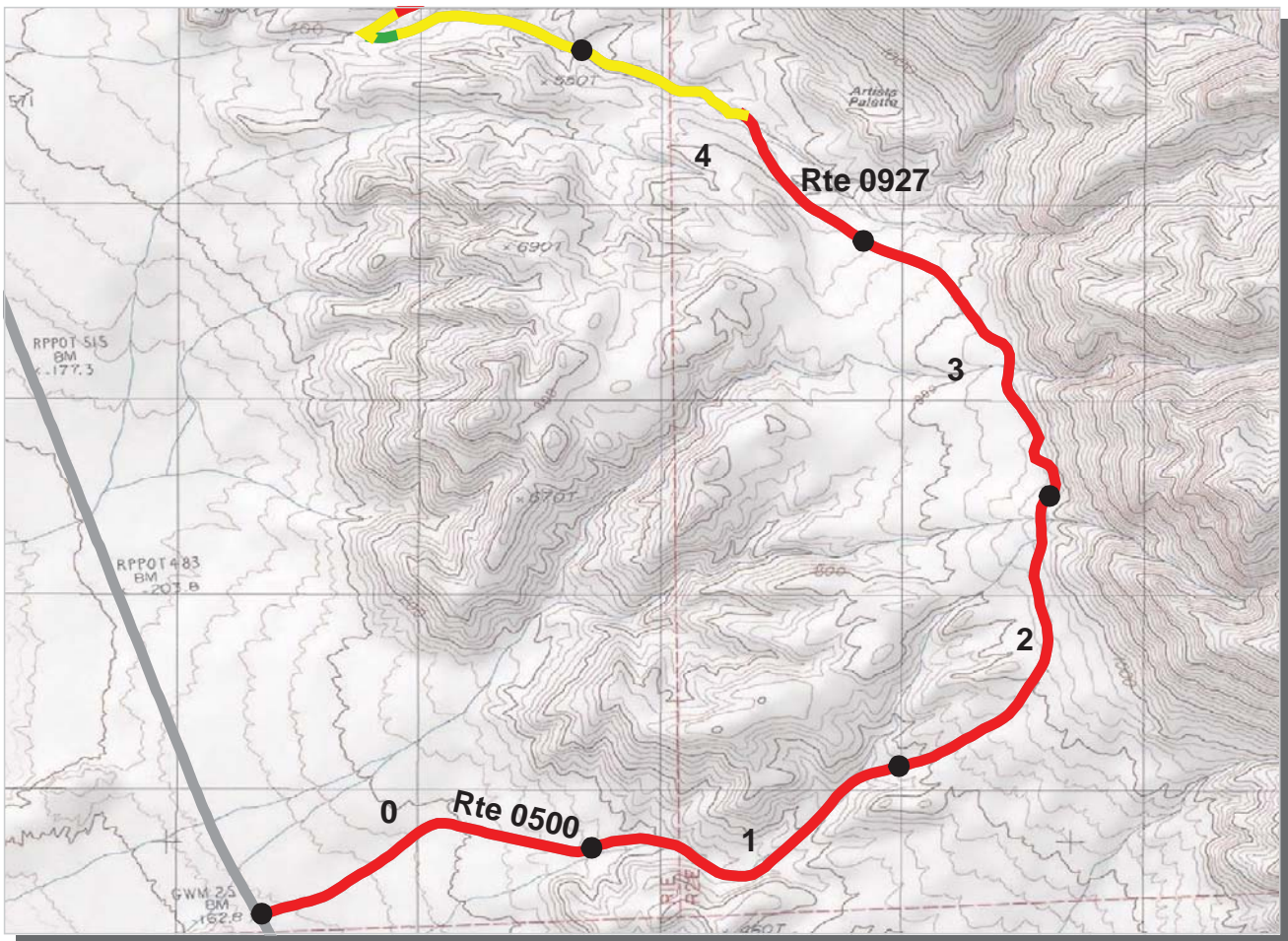
**ROUTE: 0408 Salt Pan Vista Road** **TOTAL LENGTH: 0.31 Miles**

Section Number	0			
Section Length (mi)	0.31			
AADT	**			
SADT	**			
ADT Date	**			
<b>Cross Section Information</b>				
Number of Lanes	2			
Paved Width (ft)	21			
Lane Width (ft)	9			
Shoulder Width (ft)	7			
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	36			
RCI (Roughness Condition Index)	73			
SCR (Surface Condition Rating)	32			
Alligator Cracking Index	78			
Rutting Index	54			
Patching Index	100			
Transverse Cracking Index	96			
Longitudinal Cracking Index	93			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

ROUTE: 0408 Salt Pan Vista Road

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





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

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

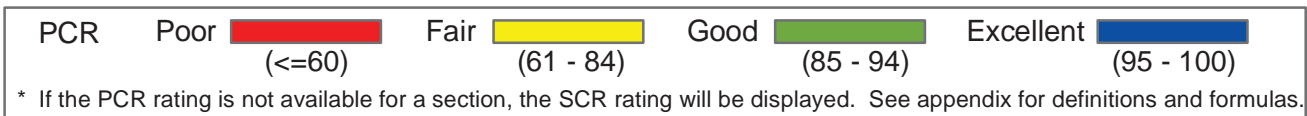
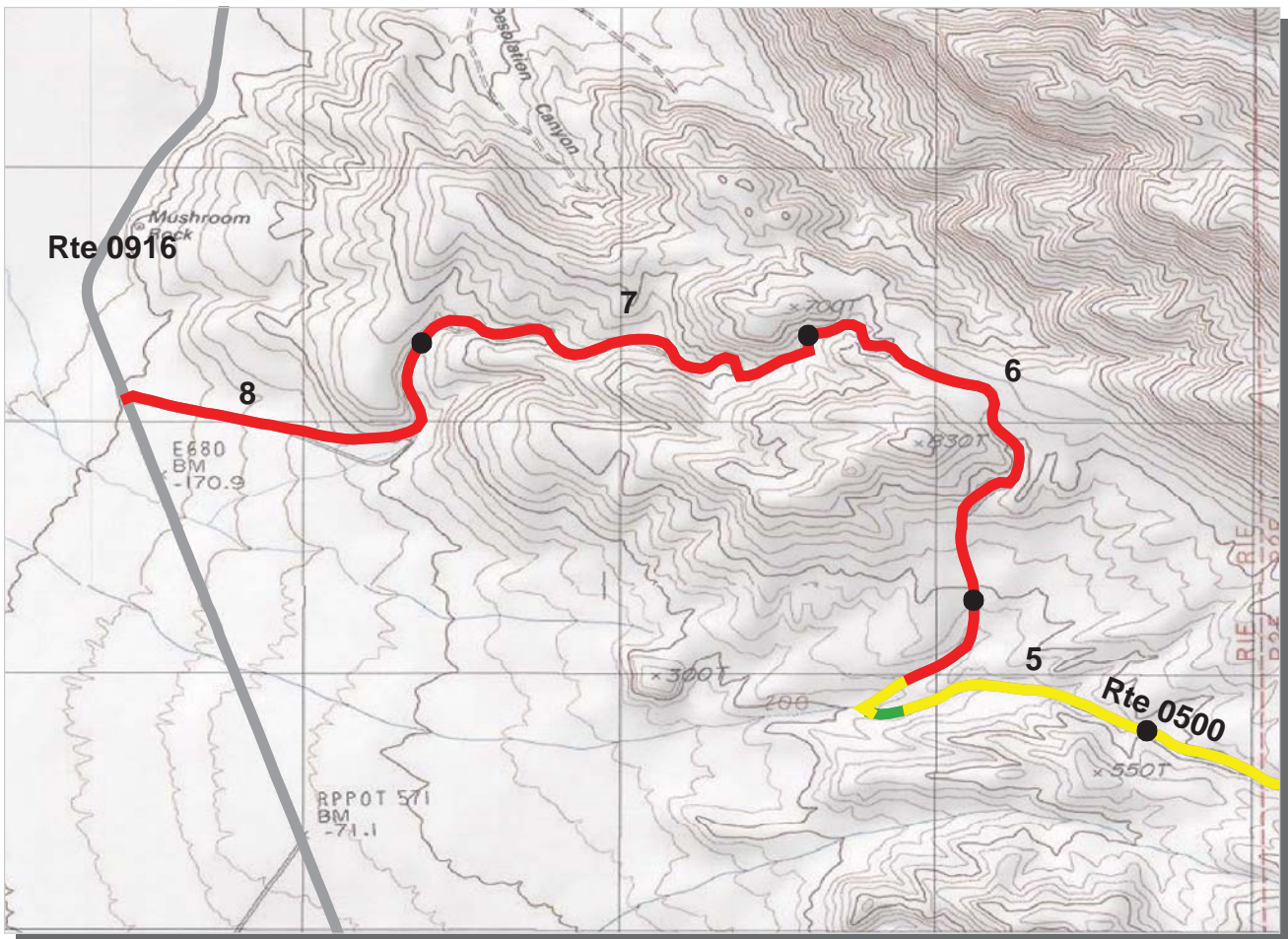
**Pacific West Region**  
**DEVA : Death Valley National Park**

**ROUTE: 0500 Artist Drive** **TOTAL LENGTH: 8.86 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1	1	1	1	1
Paved Width (ft)	13	13	12	11	12
Lane Width (ft)	13	13	12	11	12
Shoulder Width (ft)	7	8	7	0	9
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	25	35	28	20	46
RCI (Roughness Condition Index)	80	82	73	51	68
SCR (Surface Condition Rating)	3	3	14	15	37
Alligator Cracking Index	97	99	99	100	96
Rutting Index	52	56	56	43	56
Patching Index	99	99	99	99	99
Transverse Cracking Index	69	64	72	76	80
Longitudinal Cracking Index	78	78	83	90	89
Shoulder Condition Rating	GOOD	GOOD	GOOD	N/A	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0500 Artist Drive

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



**Pacific West Region**  
**DEVA : Death Valley National Park**

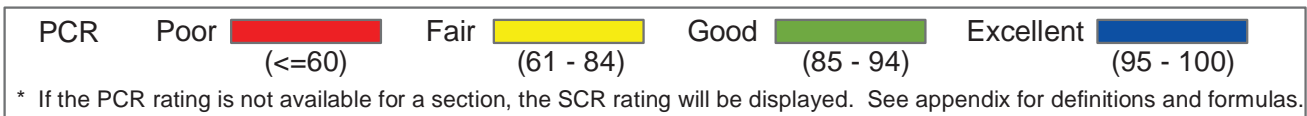
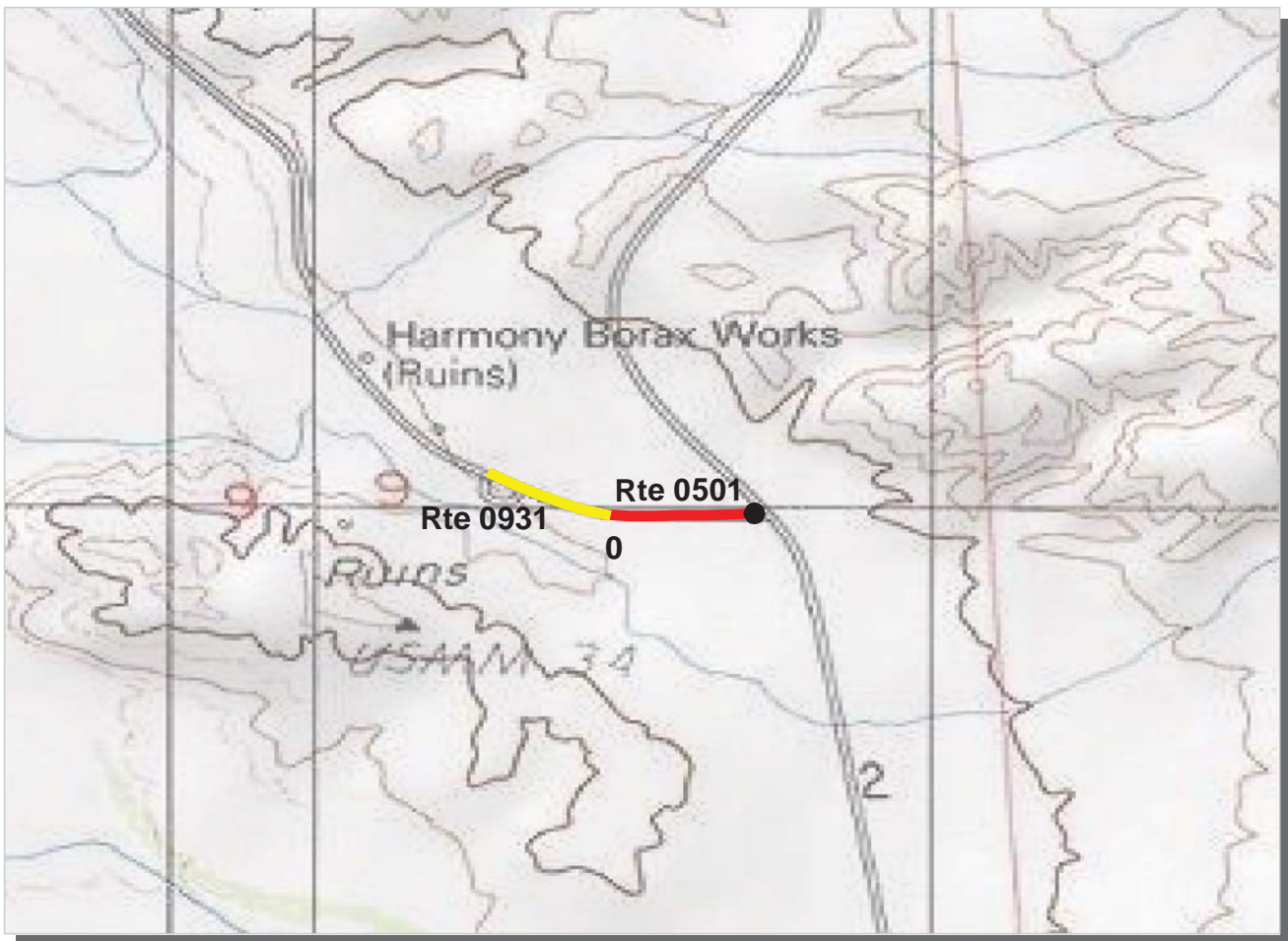
**ROUTE: 0500 Artist Drive** **TOTAL LENGTH: 8.86 Miles**

Section Number	5	6	7	8
Section Length (mi)	1.00	1.00	1.00	0.86
AADT	**			
SADT	**			
ADT Date	**			
<b>Cross Section Information</b>				
Number of Lanes	1	1	1	1
Paved Width (ft)	10	9	11	11
Lane Width (ft)	10	9	11	11
Shoulder Width (ft)	3	6	8	7
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	58	3	9	23
RCI (Roughness Condition Index)	88	63	49	74
SCR (Surface Condition Rating)	53	1	1	0
Alligator Cracking Index	99	88	98	97
Rutting Index	64	45	46	52
Patching Index	99	99	96	99
Transverse Cracking Index	90	53	52	42
Longitudinal Cracking Index	95	74	75	76
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD

ROUTE: 0500 Artist Drive

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





**Pacific West Region**

**DEVA : Death Valley National Park**

**ROUTE: 0501 Harmony Borax Works Road**

**TOTAL LENGTH: 0.24 Miles**

Section Number	0				
Section Length (mi)	0.24				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width (ft)	8				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	43				
RCI (Roughness Condition Index)	73				
SCR (Surface Condition Rating)	40				
Alligator Cracking Index	99				
Rutting Index	49				
Patching Index	100				
Transverse Cracking Index	94				
Longitudinal Cracking Index	95				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0501 Harmony Borax Works Road

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

# Death Valley National Park

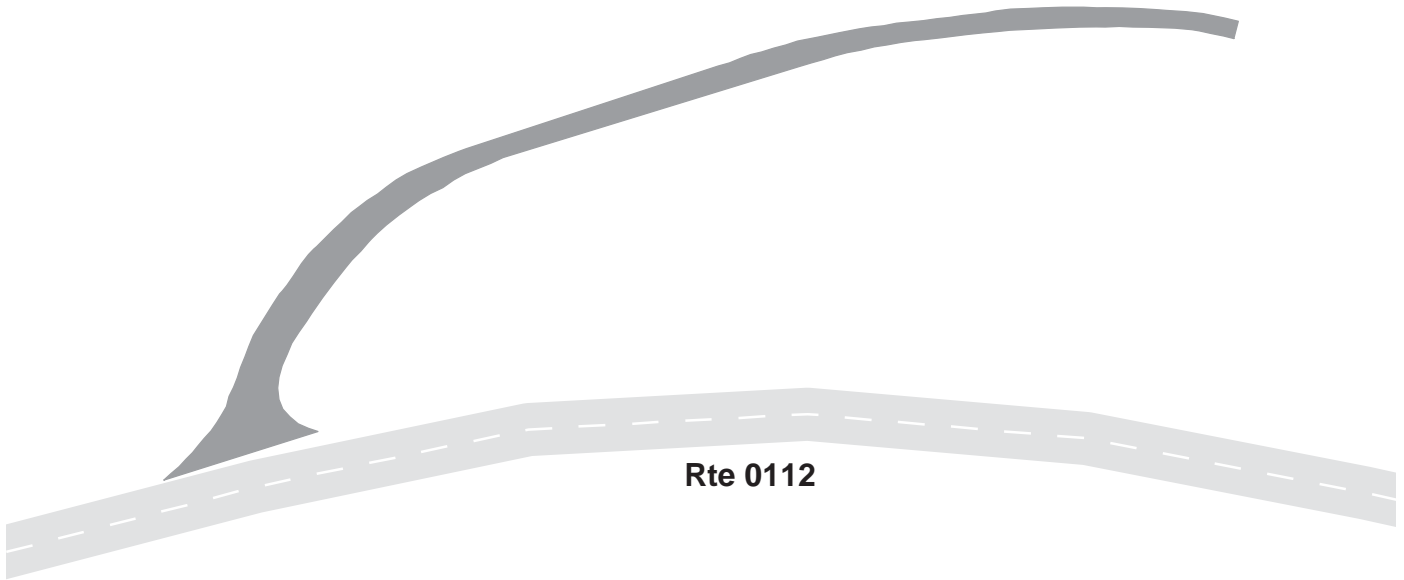
## Route 0116

Wildrose Campground Road

From Route 0112 (NPS 35) at MP 0.12 on the Left

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0116	0.09	0.00	5554	0.10	FAIR / 73	AS

\* Lane miles are based on 11' lane widths





# Death Valley National Park

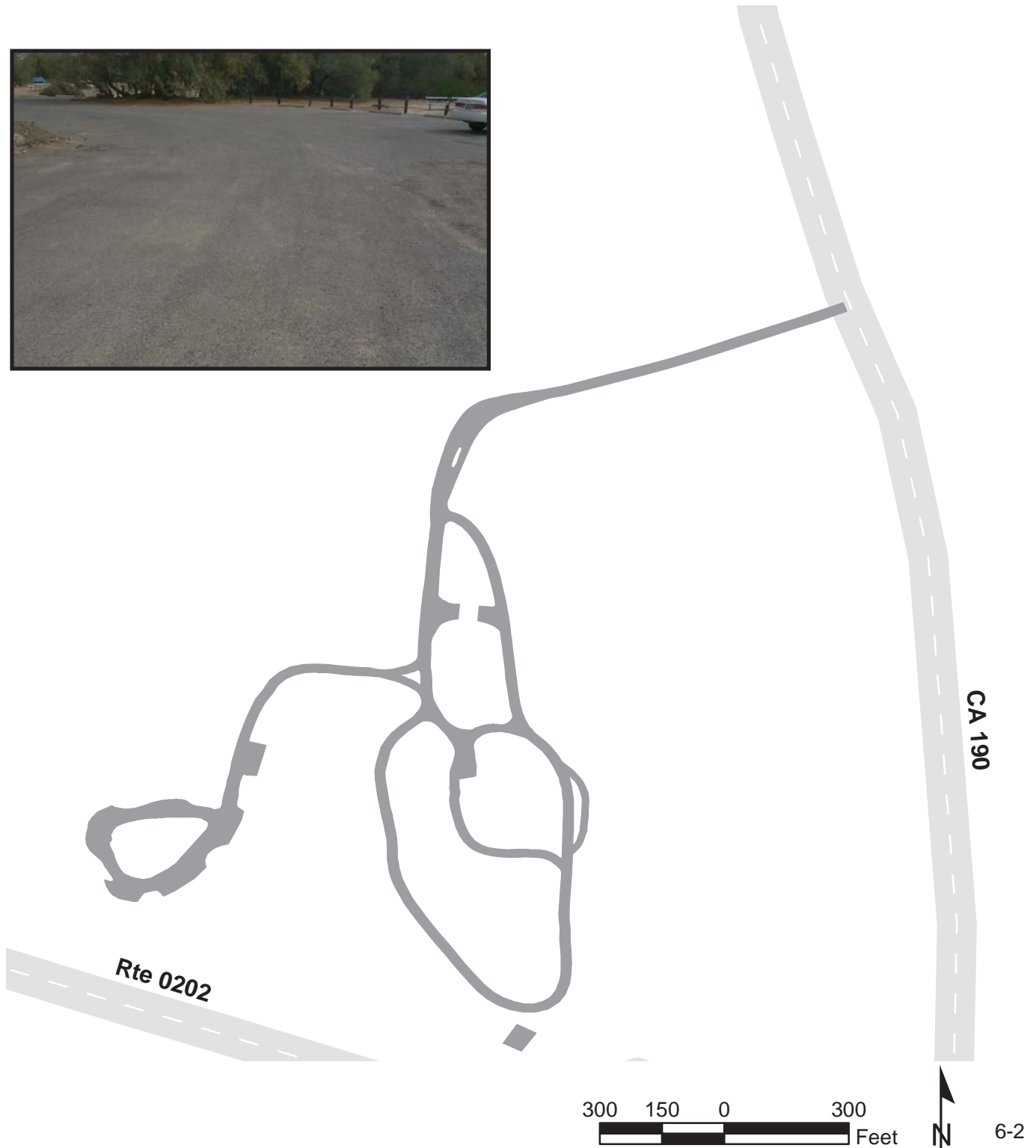
## Route 0201

Furnace Creek Campground

From CA 190

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0201	0.64	0.00	153707	2.65	FAIR / 73	AS

\* Lane miles are based on 11' lane widths



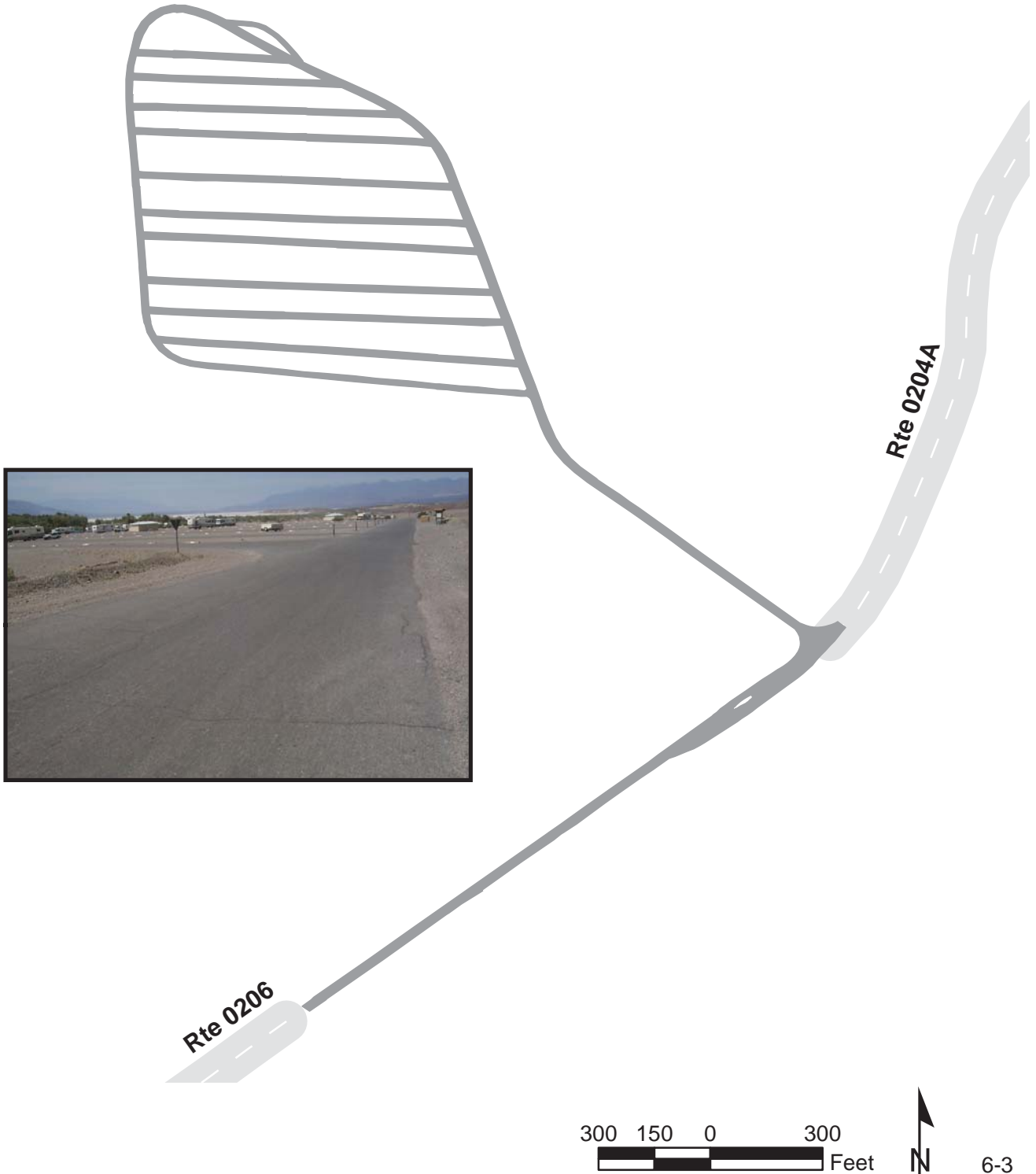
# Death Valley National Park

## Route 0203

Sunset Campground  
From Route 0204A (NPS 27)

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0203	1.02	0.00	233326	4.02	GOOD / 90	AS

\* Lane miles are based on 11' lane widths





# Death Valley National Park

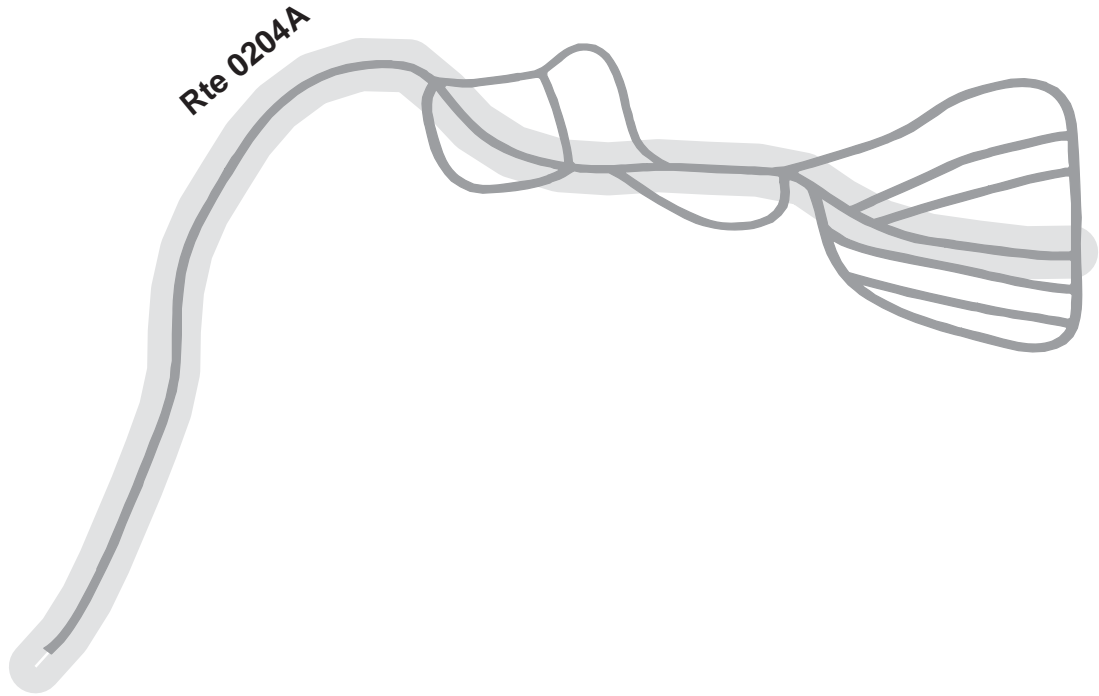
## Route 0204B

Texas Spring Campground Loops

End of Route 0204A (NPS 27)

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0204B	3.05	0.00	175875	3.03	FAIR / 73	AS

\* Lane miles are based on 11' lane widths



# Death Valley National Park

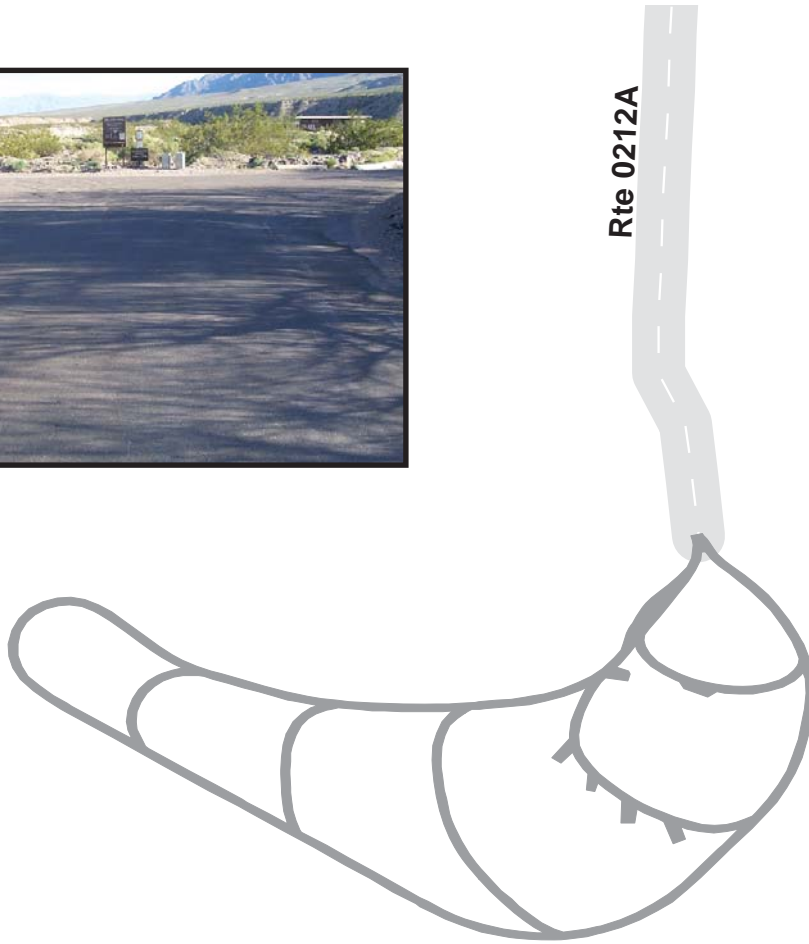
## Route 0212B

Mesquite Spring Campground

From Route 0212A

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0212B	1.29	0.00	74389	1.28	FAIR / 73	OC

\* Lane miles are based on 11' lane widths





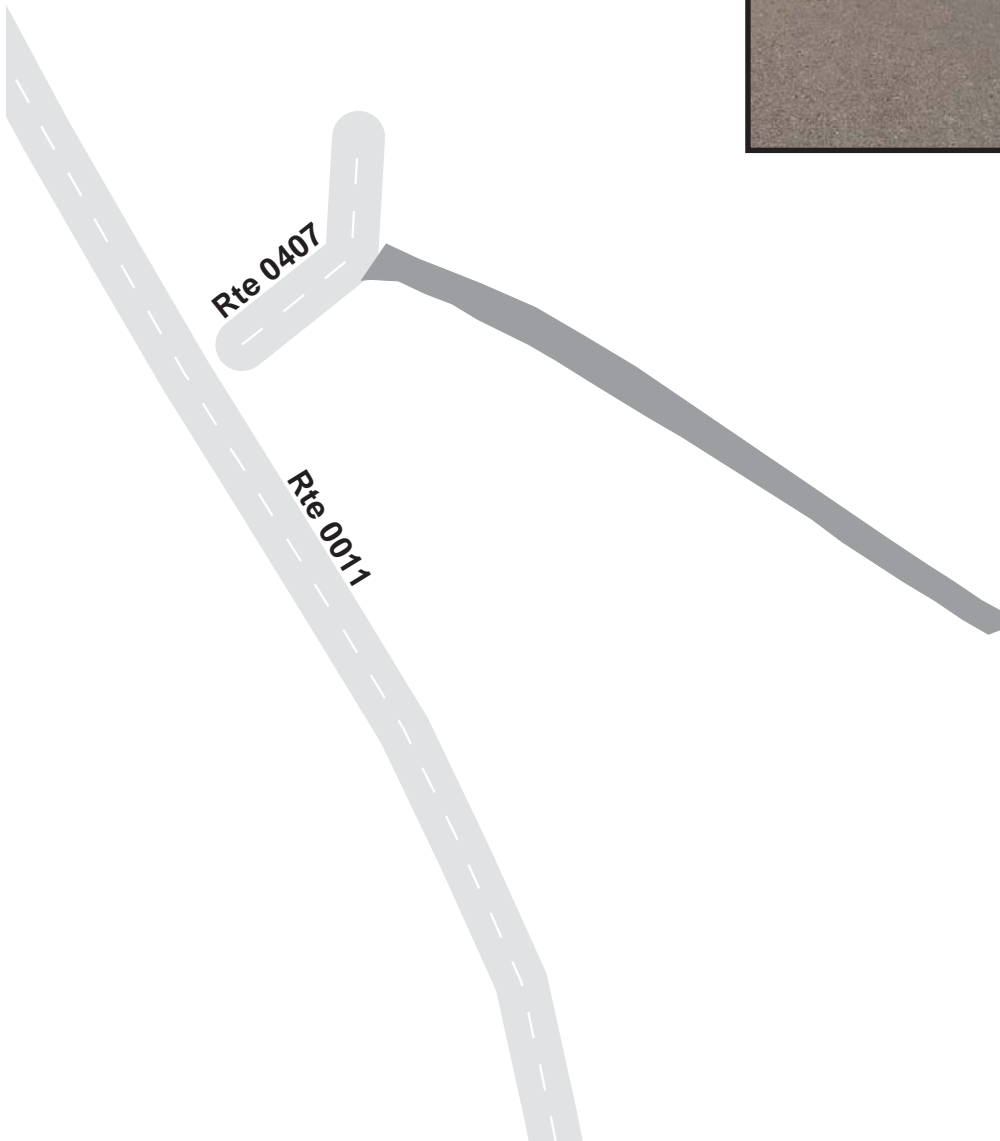
# Death Valley National Park

## Route 0409

Grapevine Residence Road  
From Route 0407 at MP 0.02 on the Right

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0409	0.11	0.00	12453	0.21	GOOD / 90	AS

\* Lane miles are based on 11' lane widths



# Death Valley National Park

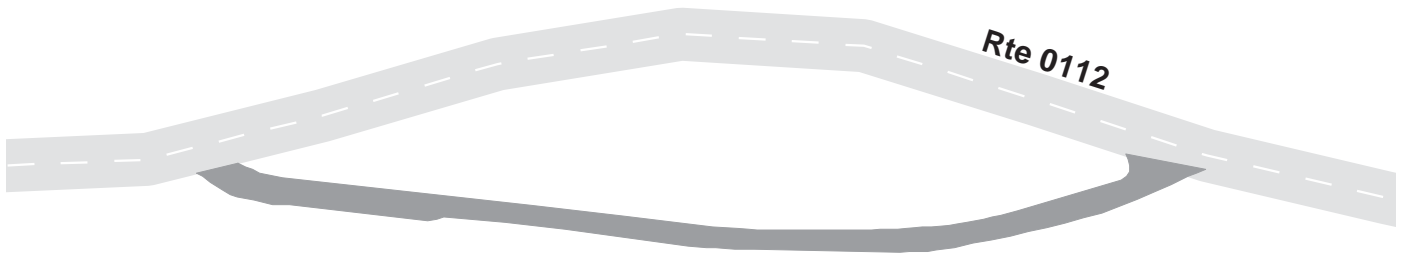
## Route 0412

Wildrose Residence Road

From Route 0112 at MP 0.36 on the Right

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0412	0.11	0.00	9137	0.16	POOR / 45	AS

\* Lane miles are based on 11' lane widths





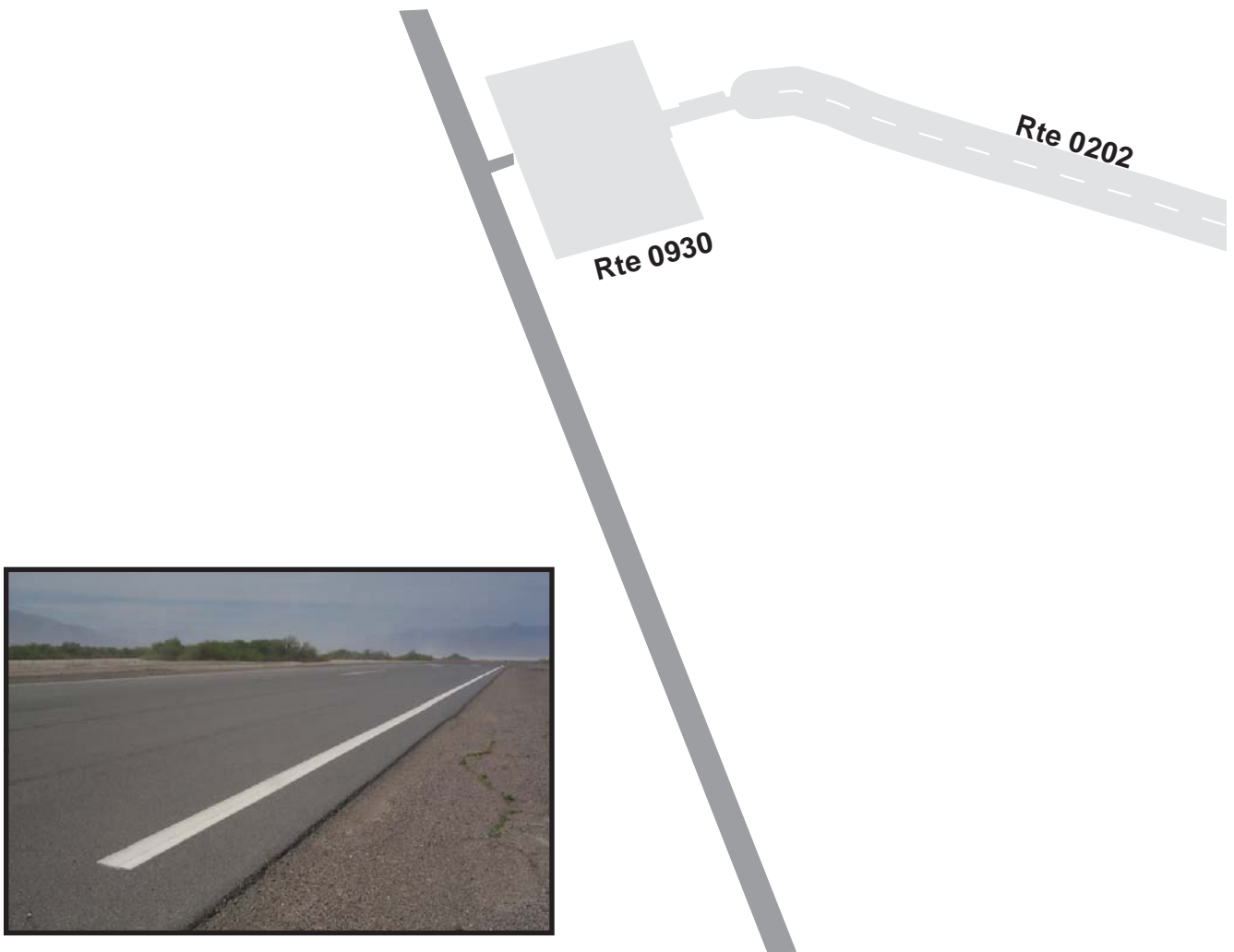
# Death Valley National Park

## Route 0413

Furnace Creek Airstrip  
Adjacent To Route 0930

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0413	0.50	0.00	209284	3.60	GOOD / 90	AS

\* Lane miles are based on 11' lane widths



# Death Valley National Park

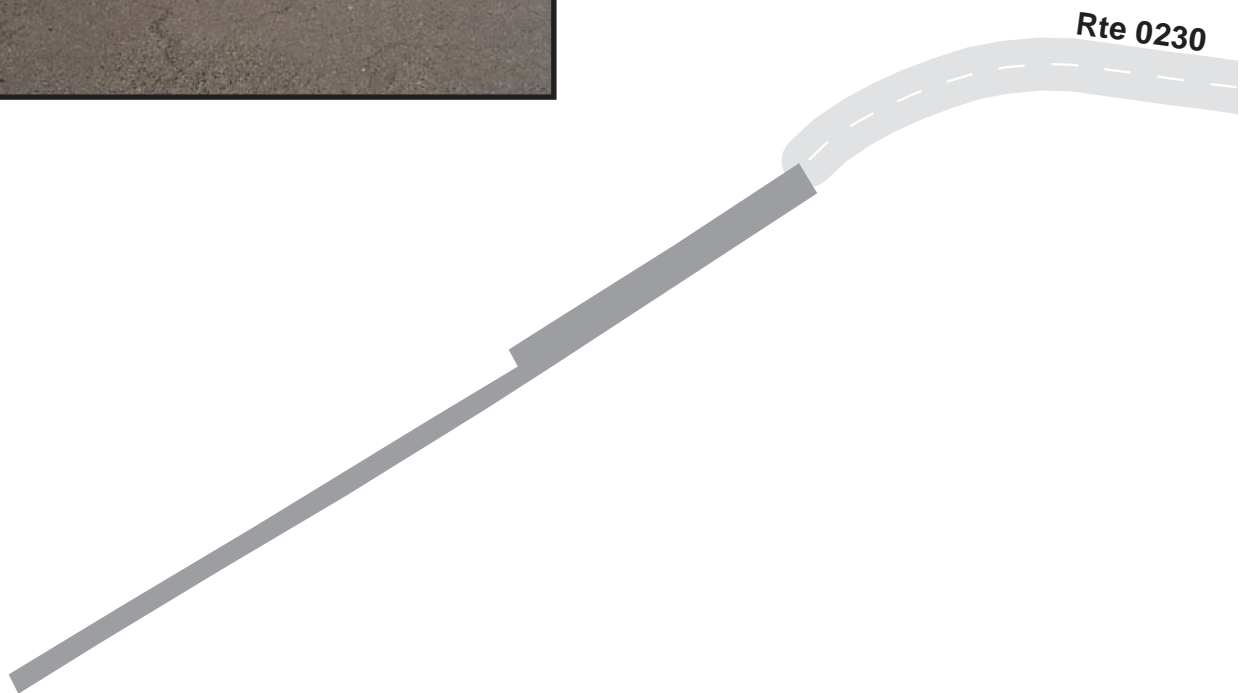
## Route 0414

Stovepipe Wells Landing Strip

At End of Route 0230 (NPS 82)

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0414	0.62	0.00	299559	5.16	FAIR / 73	AS

\* Lane miles are based on 11' lane widths





**Death Valley National Park**  
**Route 0415**  
 Sims Circle Rv Park  
 From Route 0401 MP 0.04 on the Right

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0415	0.09	0.00	8763	0.15	FAIR / 73	AS

\* Lane miles are based on 11' lane widths



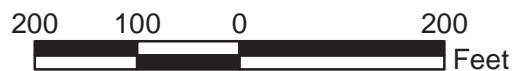
# DEATH VALLEY NATIONAL PARK

## Route 0900

SCOTTY'S CASTLE PARKING  
FROM ROUTE 0011 (NPS 05) AT MP 35.96

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900	PUBLIC	4/3/2001	93064	1.60	AS	GOOD / 90

\* Lane miles are based on 11' lane widths





# Death Valley National Park

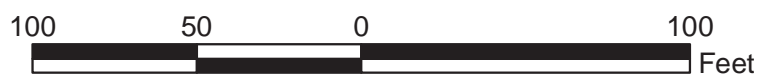
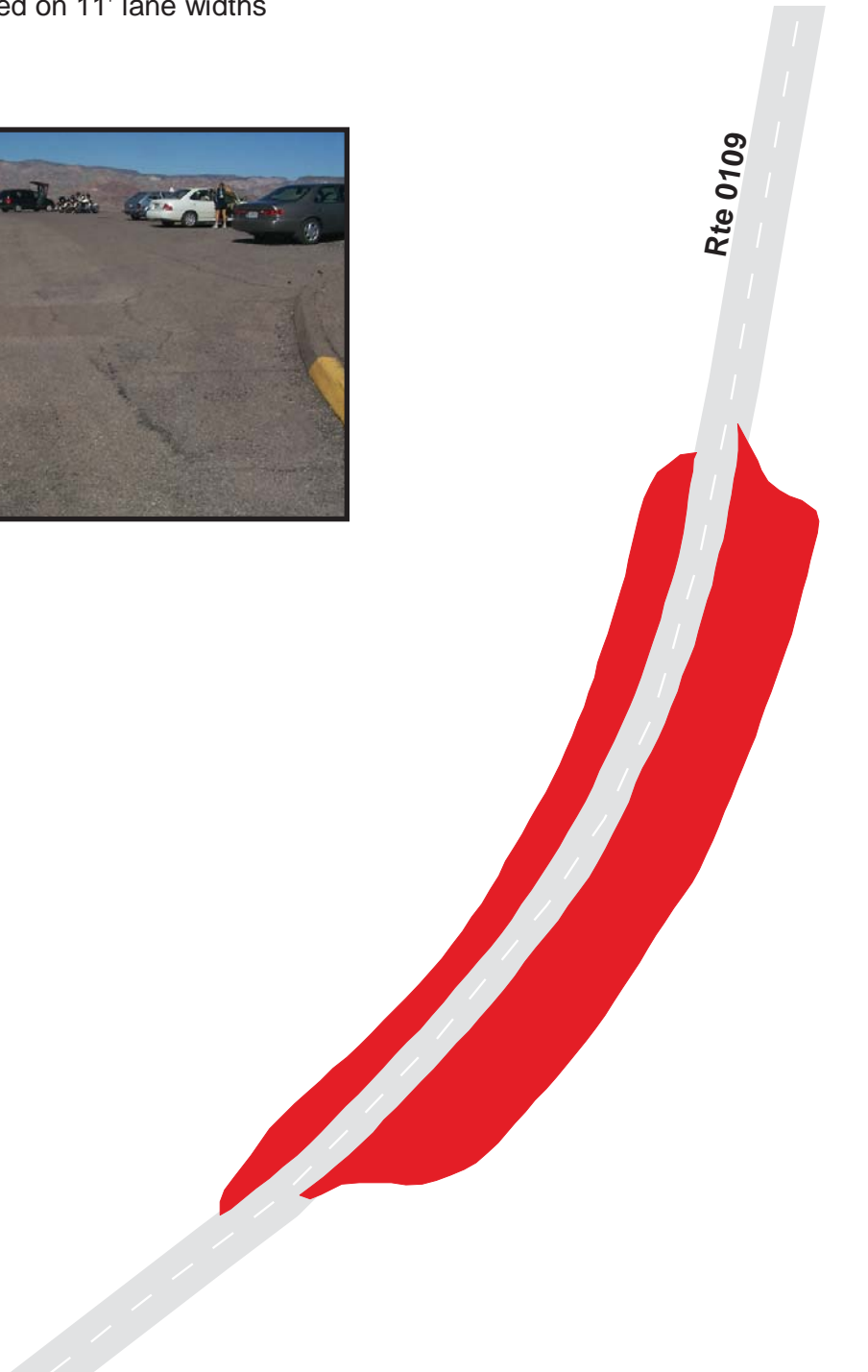
## Route 0901

Ubehebe Crater Parking

Adjacent To Route 0109 (NPS 49) at MP 6.00 on the Left and Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	Public	4/3/2001	8713	0.15	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



# Death Valley National Park

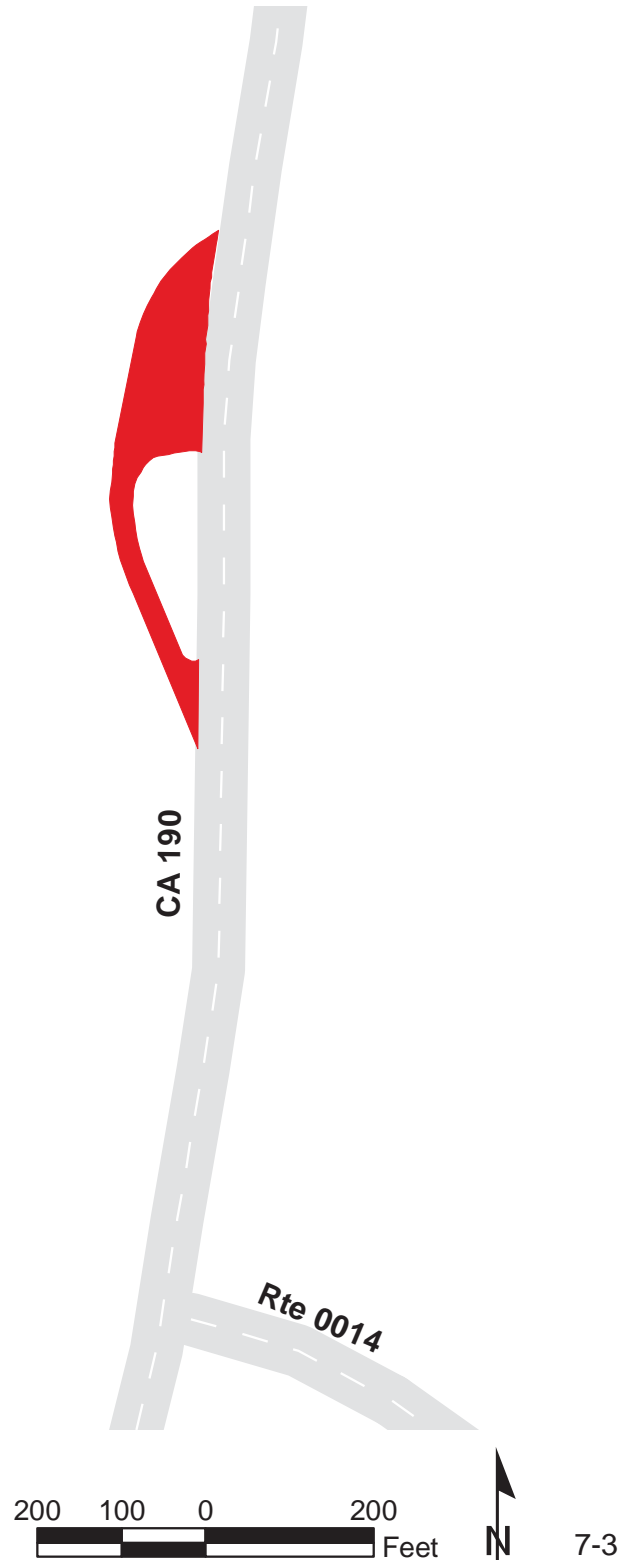
## Route 0903

Emigrant Rest Area Parking

From CA 190

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903	Public	4/3/2001	23678	0.41	AS	FAIR / 73

\* Lane miles are based on 11' lane widths





# Death Valley National Park

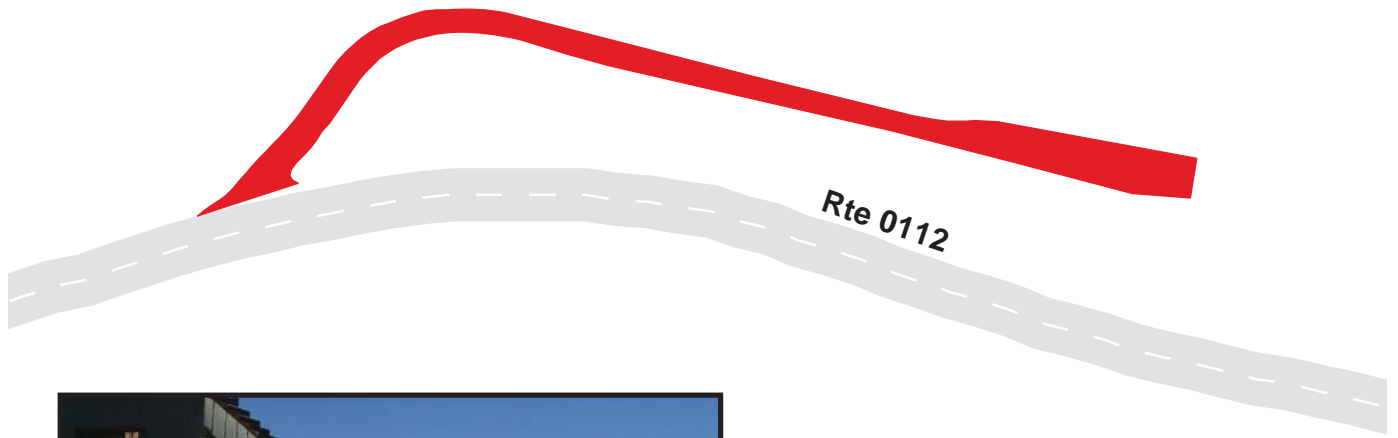
## Route 0906

Wildrose Utility Area

Adjacent to Route 0112 (NPS 35) at MP 0.39 on the Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	NonPublic	4/3/2001	7945	0.14	AS	POOR / 45

\* Lane miles are based on 11' lane widths



# Death Valley National Park

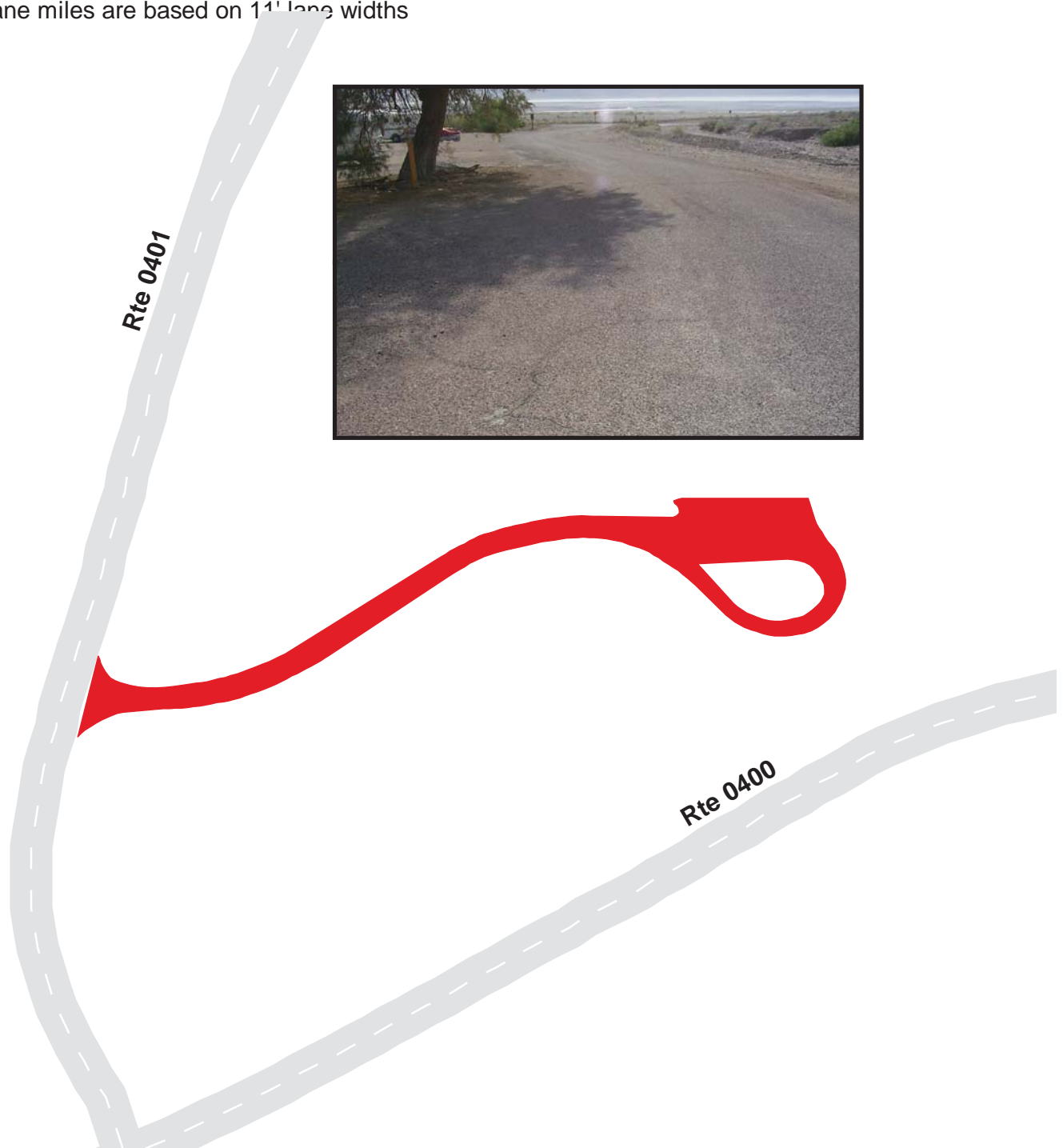
## Route 0908

Sims Circle

Adjacent to Route 0401 (NPS 50) MP 0.085 on the Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0908	Public	3/30/2001	18754	0.32	OC	FAIR / 73

\* Lane miles are based on 11' lane widths





# Death Valley National Park

## Route 0909

Cow Creek Administrative Parking

Adjacent to Route 0400 (NPS 50) at MP 0.32 on the Left and Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0909	NonPublic	3/30/2001	11367	0.20	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



# Death Valley National Park

## Route 0910

Cow Creek Maintenance Yard

Adjacent to Route 0400 (NPS 50) MP 0.395 on the Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0910	NonPublic	4/3/2001	49800	0.86	AS	FAIR / 73

\* Lane miles are based on 11' lane widths





# Death Valley National Park

## Route 0911

Fire Reservoir Parking

At End of Route 0400

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0911	NonPublic	3/31/2001	3026	0.05	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



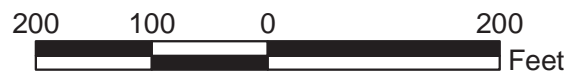
# Death Valley National Park

## Route 0912

Furnace Creek Administrative Parking  
Adjacent to CA 190

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0912	NonPublic	4/3/2001	26464	0.46	AS	FAIR / 73

\* Lane miles are based on 11' lane widths





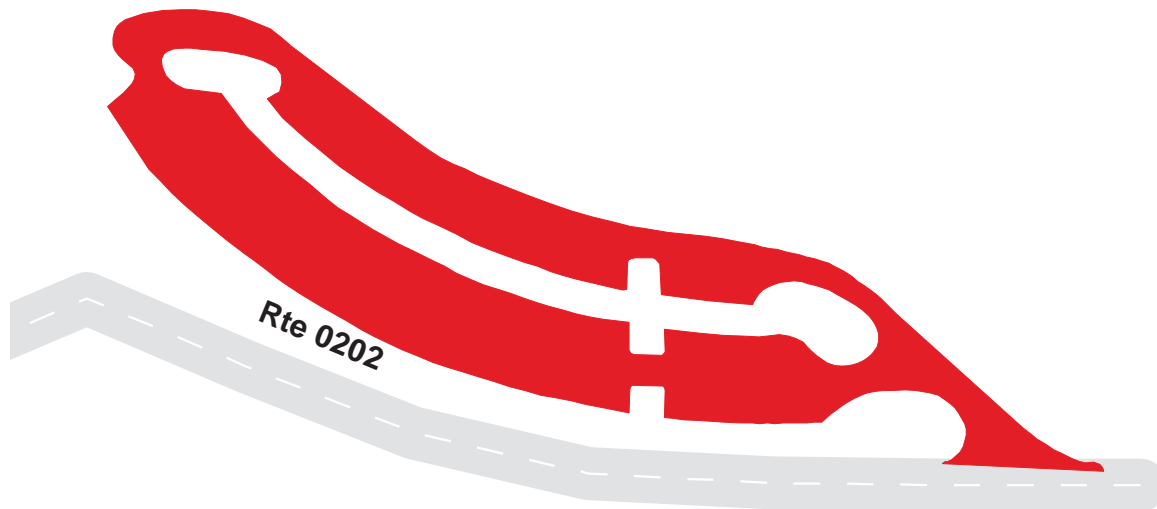
# Death Valley National Park

## Route 0913

Furnace Creek Visitor Center Parking  
Adjacent to Route 0202 (NPS 47) MP 0.025 on the Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	Public	3/31/2001	51204	0.88	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



# Death Valley National Park

## Route 0915

Golden Canyon Parking

Adjacent to Route 0015 (NPS 01 & 02) at MP 2.025 on the Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0915	Public	3/31/2001	19706	0.34	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



# Death Valley National Park

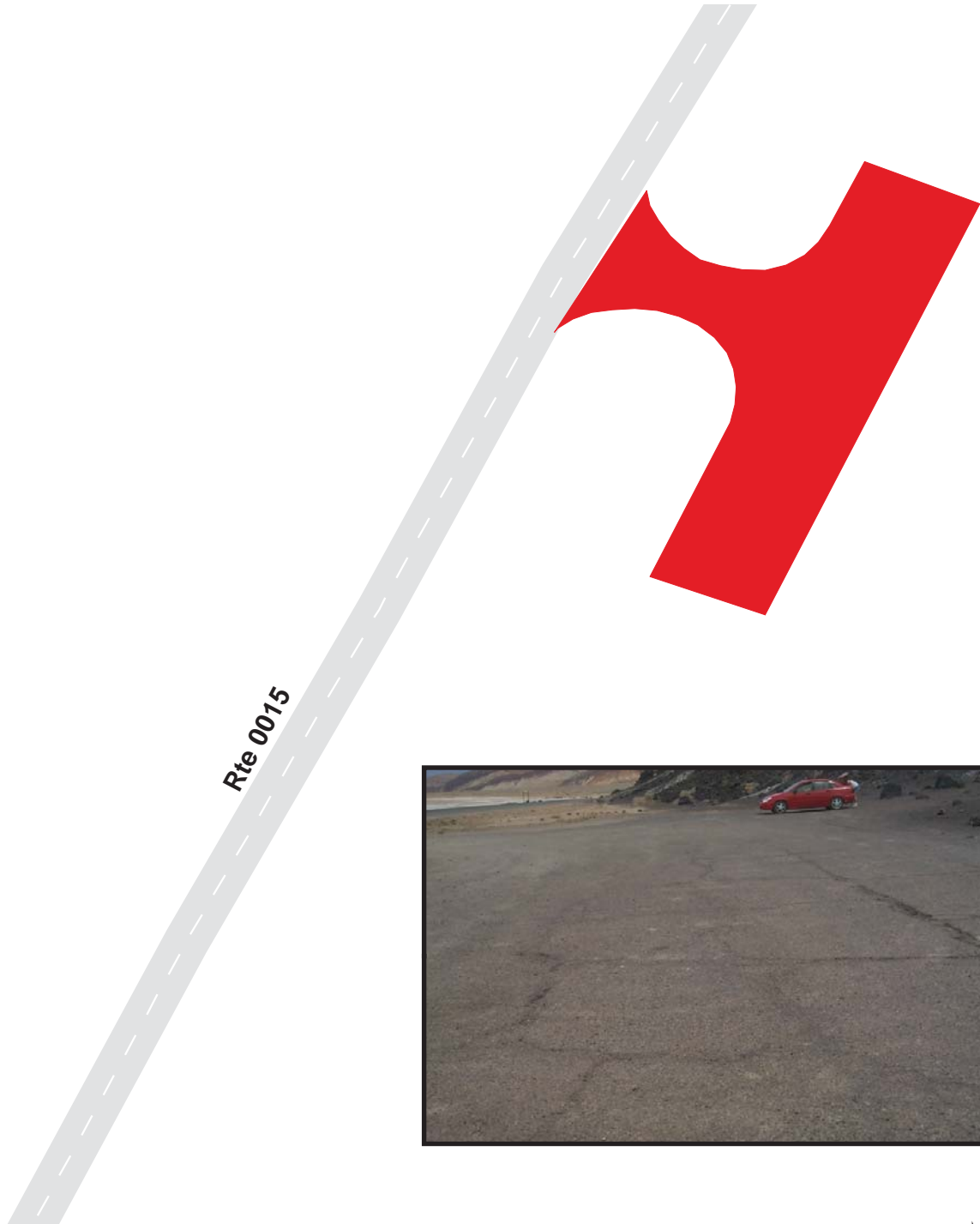
## Route 0916

Mushroom Rock Parking

Adjacent to Route 0015 (NPS 01 & 02) at MP 4.405 on the Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916	Public	4/3/2001	5016	0.09	OC	POOR / 45

\* Lane miles are based on 11' lane widths





# Death Valley National Park

## Route 0917

Badwater Parking

From Route 0015 (NPS 01 & 02) at MP 16.48 on the Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0917	Public	4/3/2001	10311	0.18	NC	FAIR / 73

\* Lane miles are based on 11' lane widths



# Death Valley National Park

## Route 0918

Zabriskie Point Parking

Adjacent to CA 190

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0918	Public	3/30/2001	20933	0.36	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



# DEATH VALLEY NATIONAL PARK

## Route 0919

DANTE'S VIEW TRAILER PARKING  
FROM ROUTE 0103 (NPS 30) AT MP 7.5 ON THE RIGHT

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	PUBLIC	3/31/2001	20365	0.35	NC	GOOD / 90

\* Lane miles are based on 11' lane widths





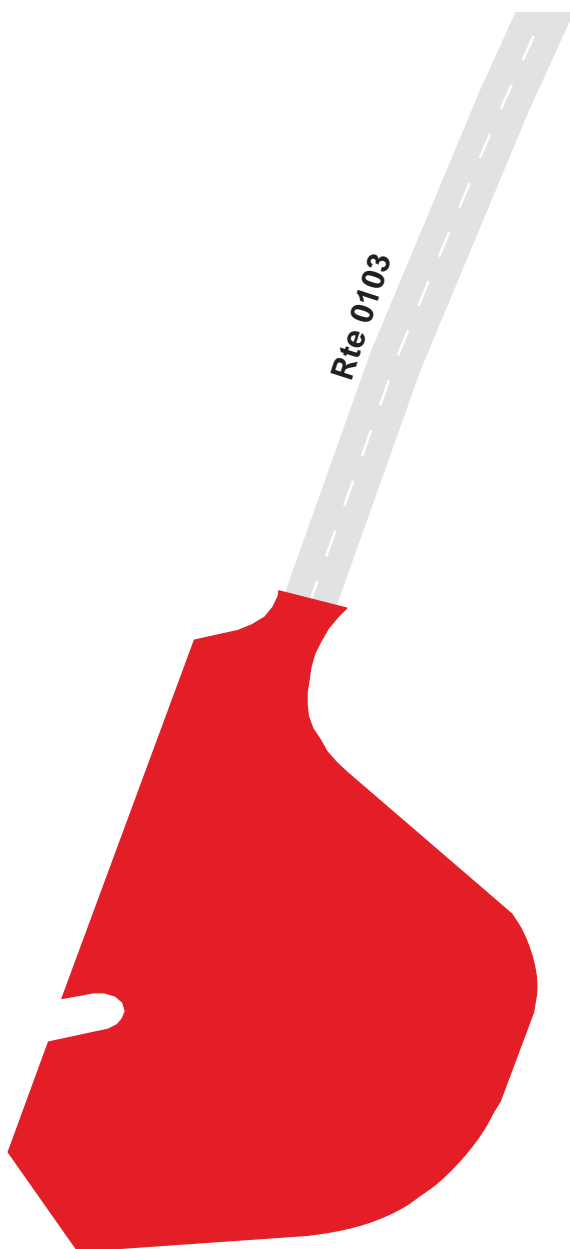
# DEATH VALLEY NATIONAL PARK

## Route 0920

DANTE'S VIEW PARKING  
AT END OF ROUTE 0103 (NPS 30)

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	PUBLIC	3/31/2001	25327	0.44	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



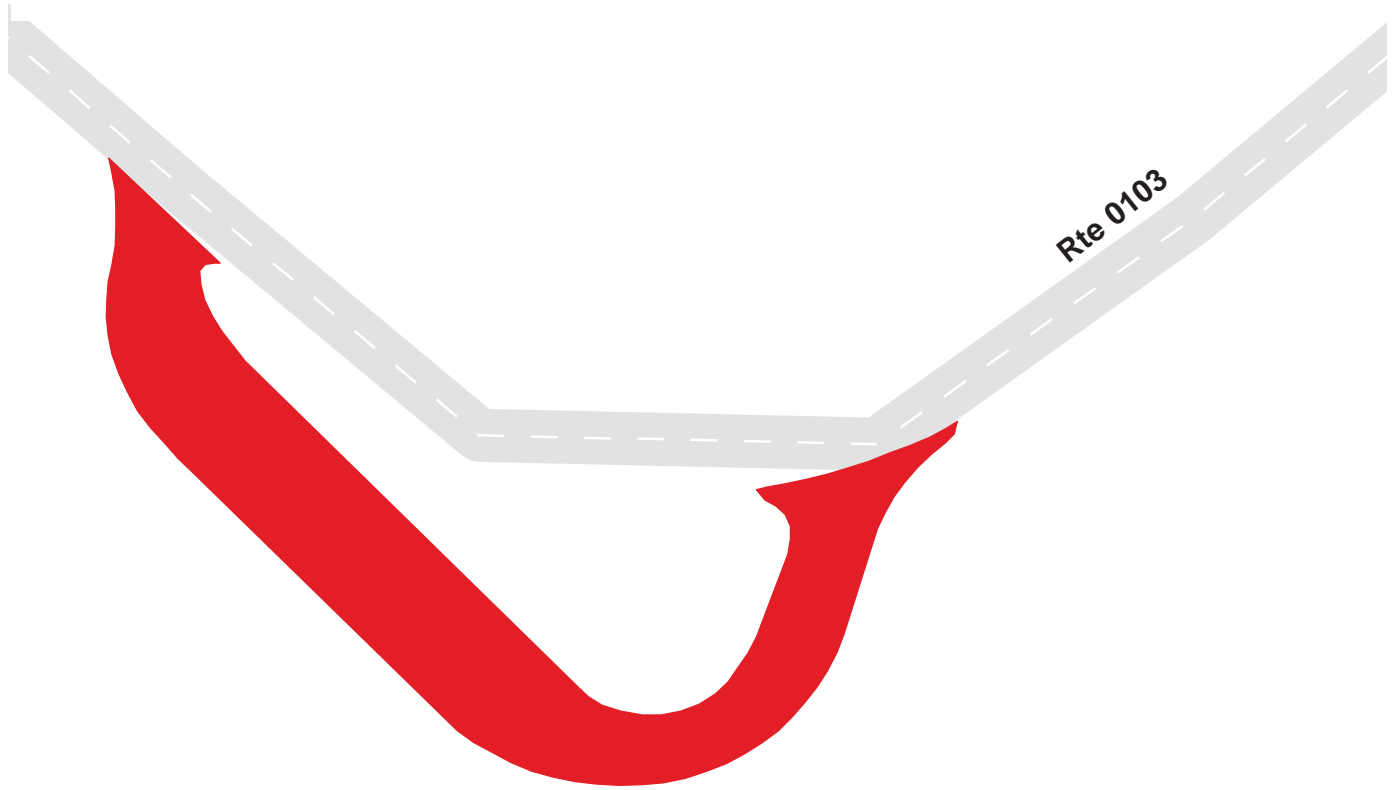
# DEATH VALLEY NATIONAL PARK

## Route 0926

DANTE'S VIEW REST AREA/TRAILER TURN AROUND  
FROM ROUTE 0103 (NPS 30) AT MP 12.63 ON THE LEFT

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0926	PUBLIC	3/31/2001	8897	0.15	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



# Death Valley National Park

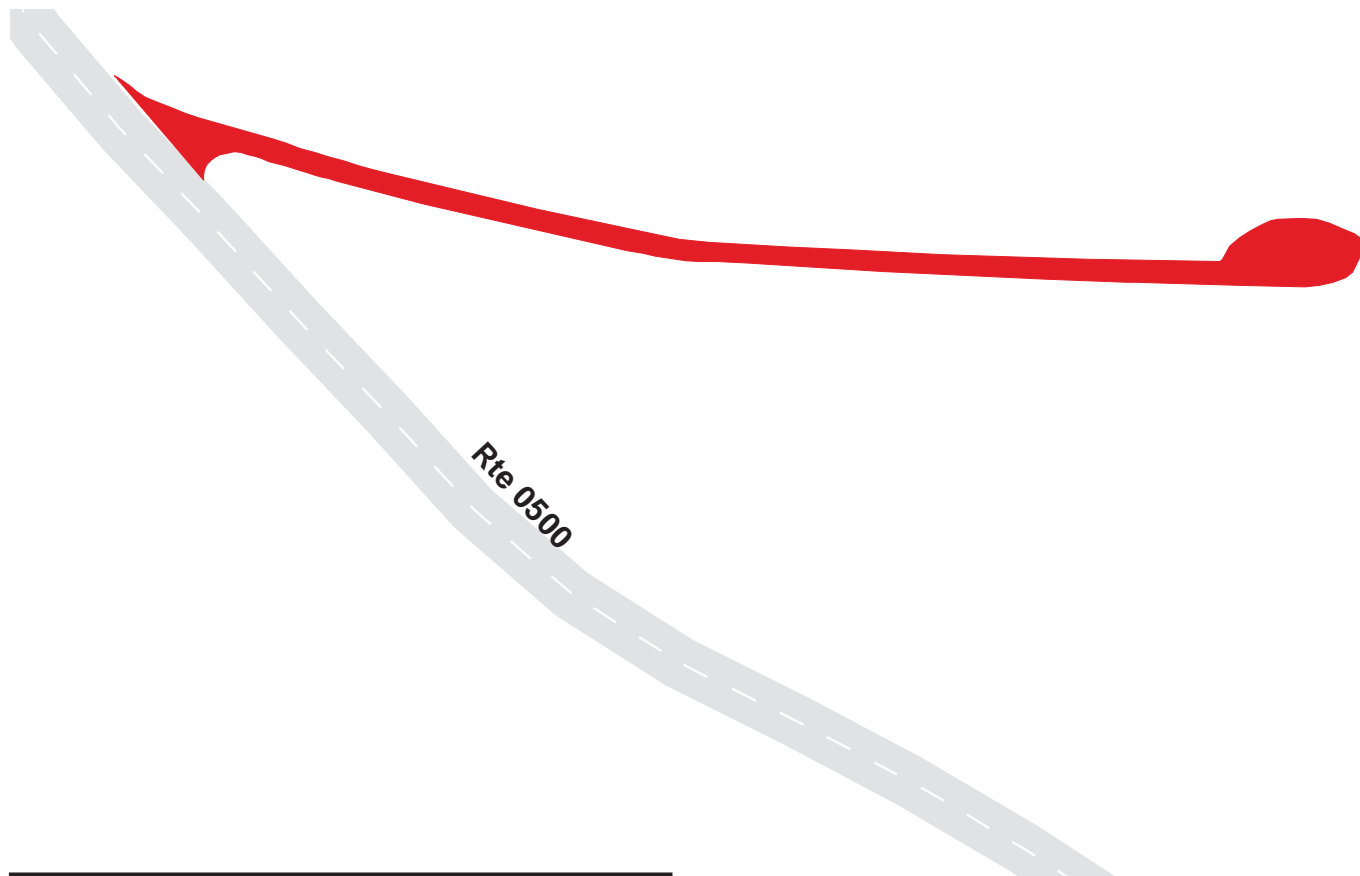
## Route 0927

Artist Palette Parking

Adjacent to Route 0500 MP 4.28 on the Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927	Public	3/30/2001	22636	0.39	AS	POOR / 45

\* Lane miles are based on 11' lane widths





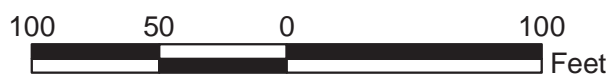
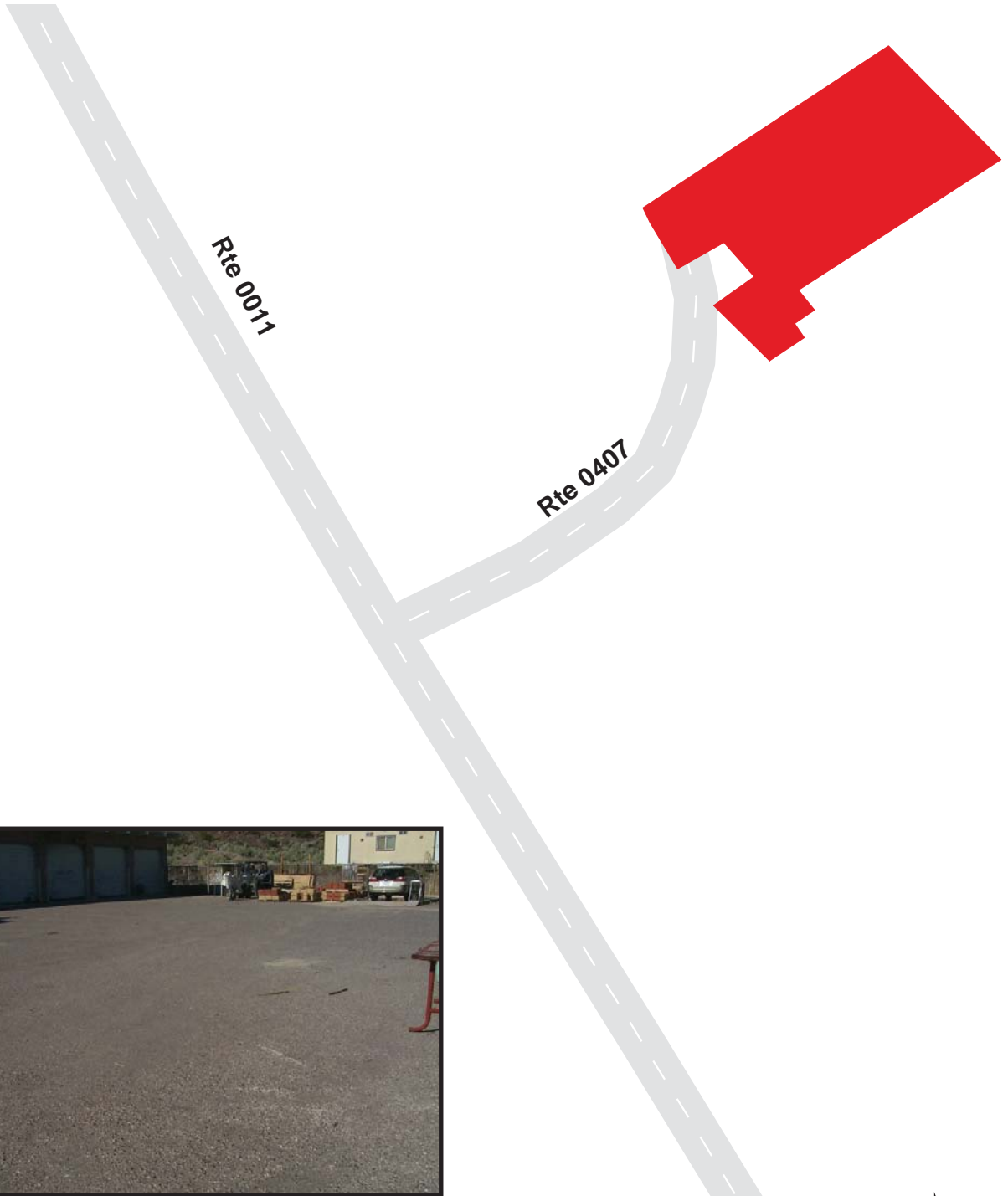
# Death Valley National Park

## Route 0928

Grapevine Maintenance Area  
At End of Route 0407 (NPS 56)

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0928	NonPublic	3/30/2001	8523	0.15	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



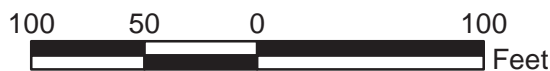
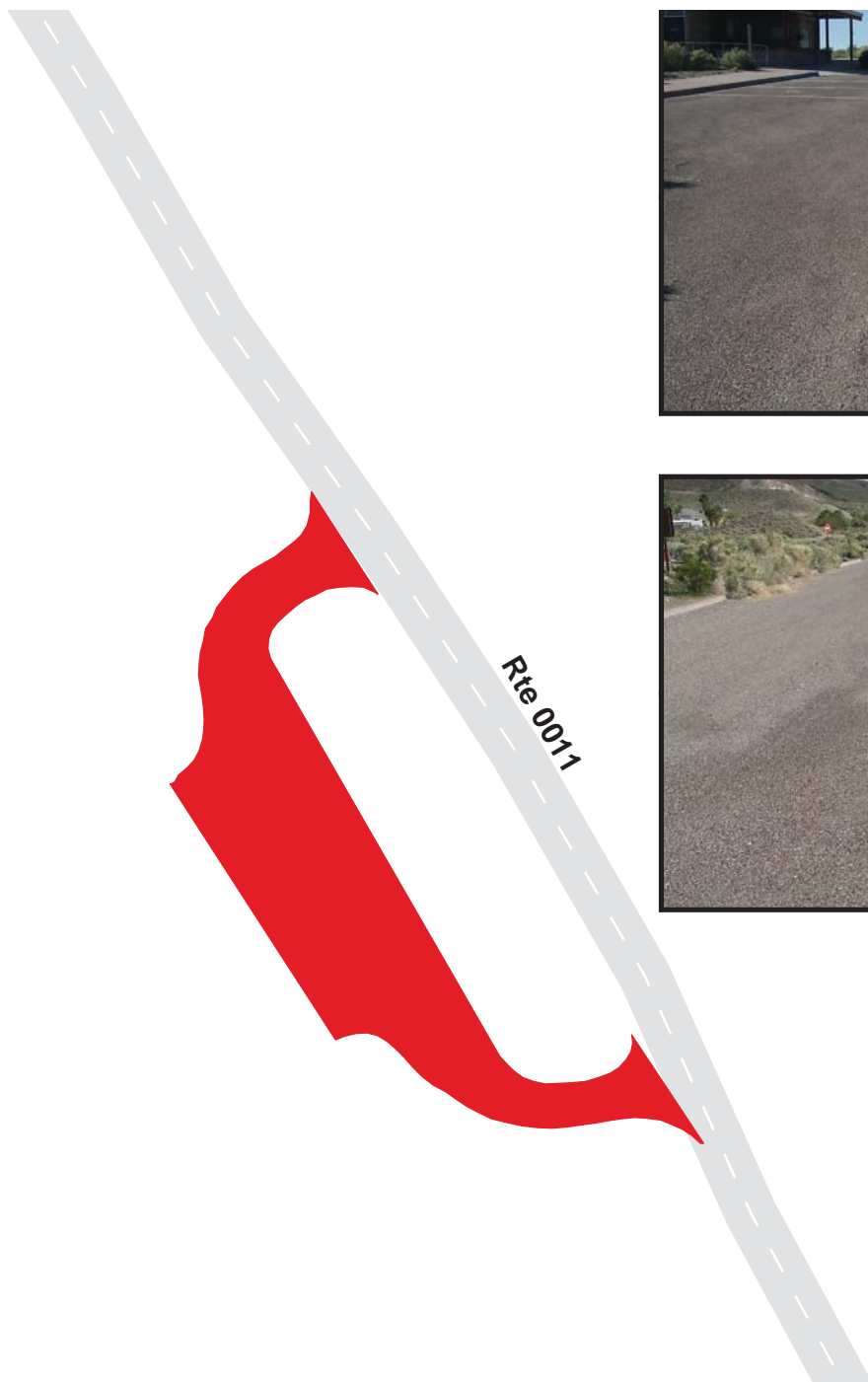
# DEATH VALLEY NATIONAL PARK

## Route 0929

Grapevine Ranger Station Parking  
FROM ROUTE 0011 (NPS 05) AT MP 32.96 ON THE LEFT

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0929	PUBLIC	3/30/2001	12933	0.22	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Death Valley National Park

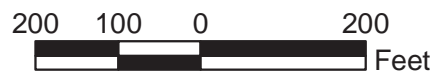
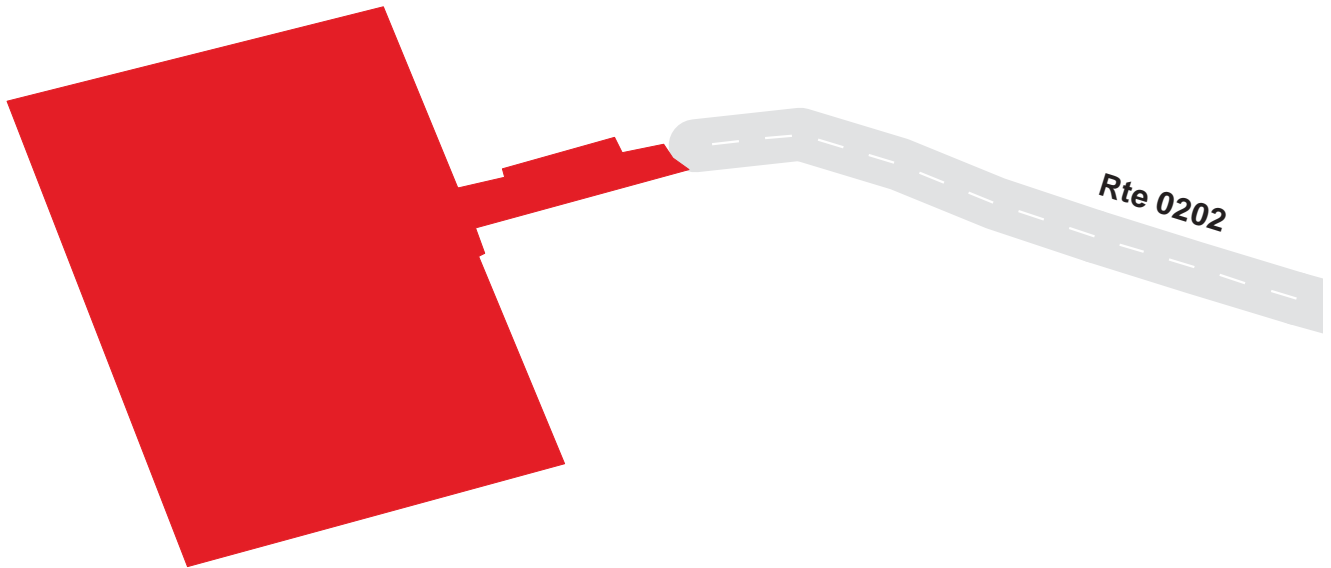
## Route 0930

Furnace Creek Airport Parking

At End of Route 0202

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0930	Public	3/30/2001	239688	4.13	AS	GOOD / 90

\* Lane miles are based on 11' lane widths





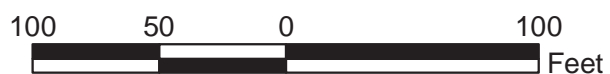
# Death Valley National Park

## Route 0931

Harmony Borax Works Parking  
From Route 0501 (NPS 24) at MP 0.195

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0931	Public	3/30/2001	20983	0.36	OC	FAIR / 73

\* Lane miles are based on 11' lane widths



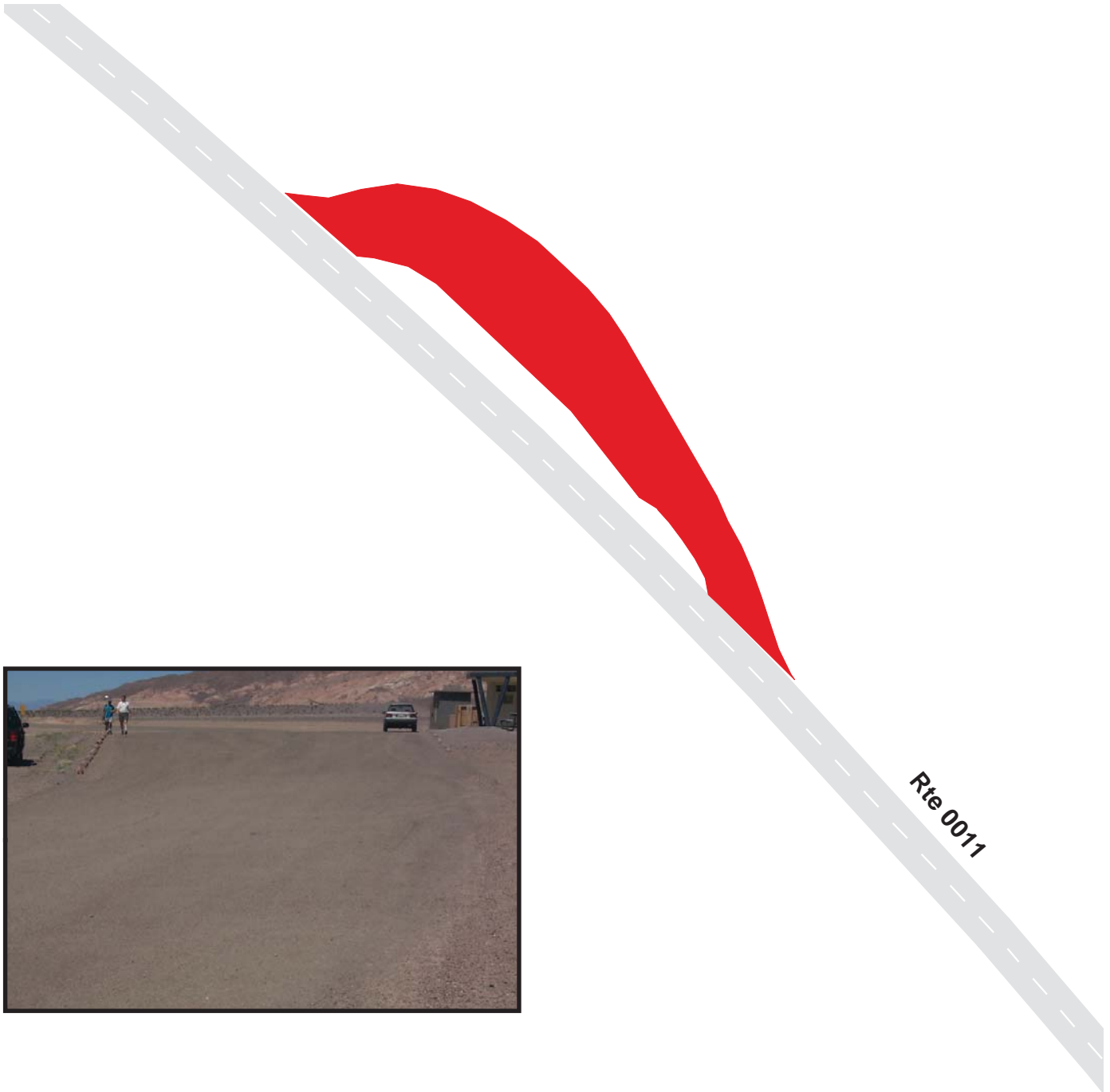
# Death Valley National Park

## Route 0932

Mud Canyon Mushroom (Information Kiosk) Parking  
From Route 0011 (NPS 05) at MP 0.71 on the Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0932	Public	3/30/2001	18186	0.31	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



100 50 0 100 Feet



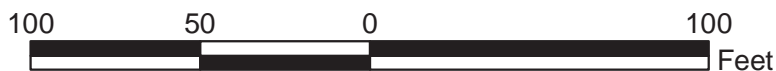
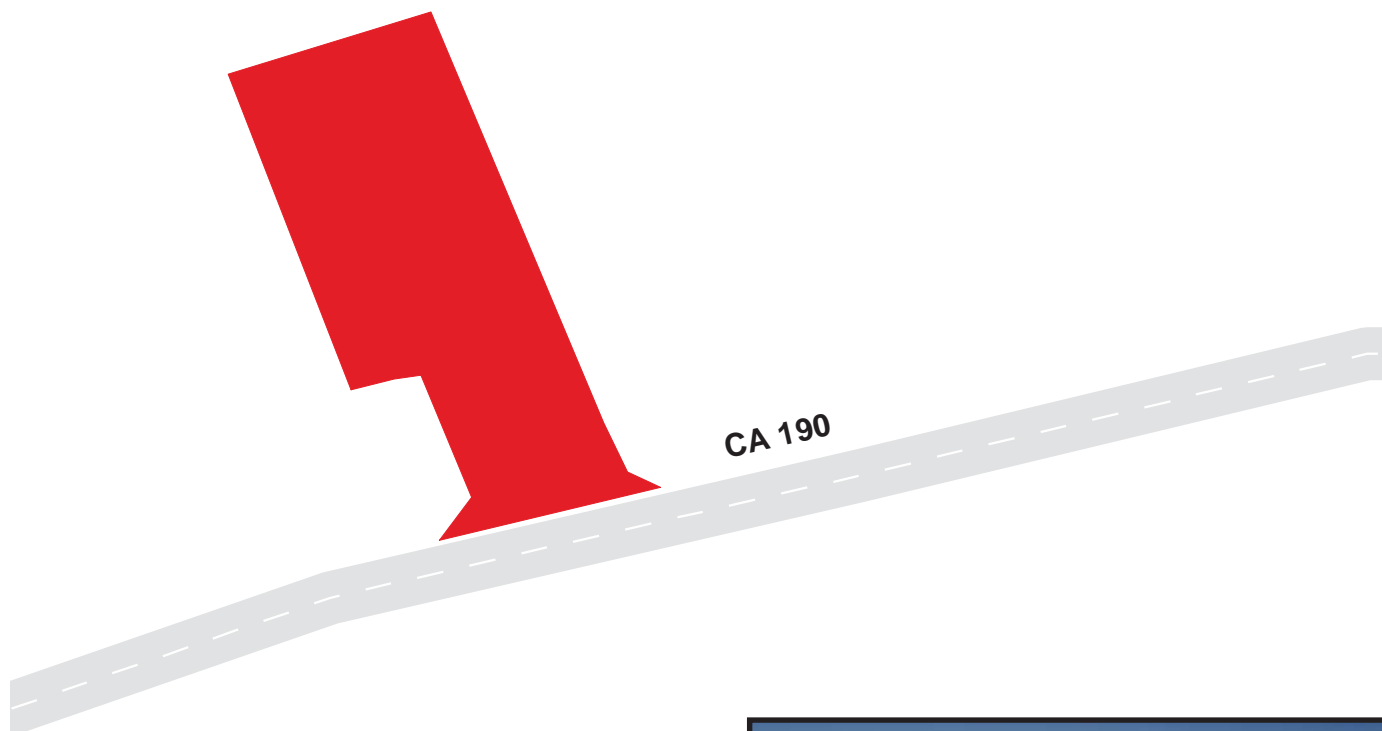
# Death Valley National Park

## Route 0933

Stovepipe Wells Ranger Station Parking  
Adjacent to CA 190

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0933	Public	3/31/2001	7144	0.12	AS	FAIR / 73

\* Lane miles are based on 11' lane widths





# Death Valley National Park

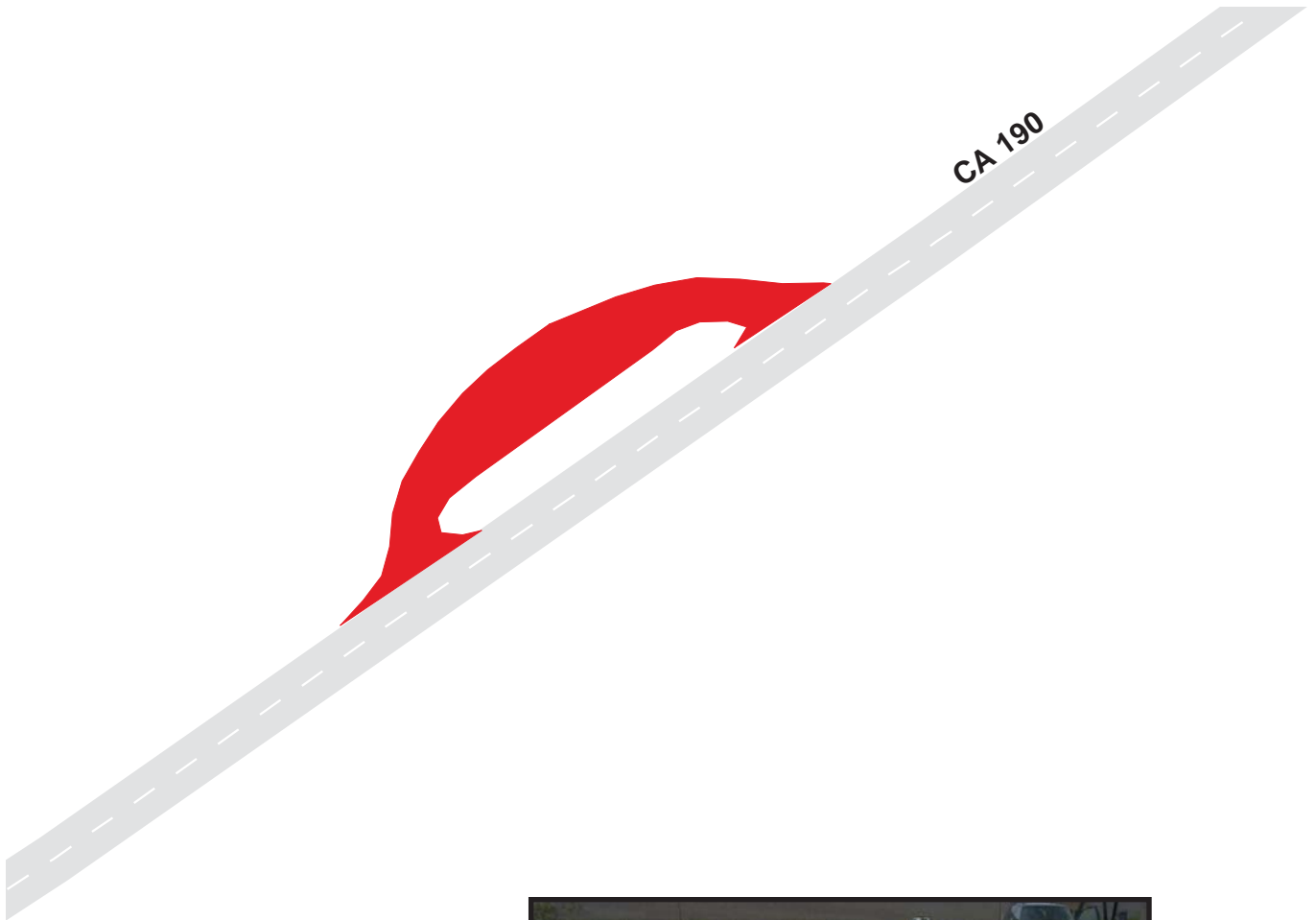
## Route 0934

Ryan Mushroom (Information Kiosk) Parking

From CA 190 near Route 0103

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0934	Public	4/3/2001	12243	0.21	OC	GOOD / 90

\* Lane miles are based on 11' lane widths



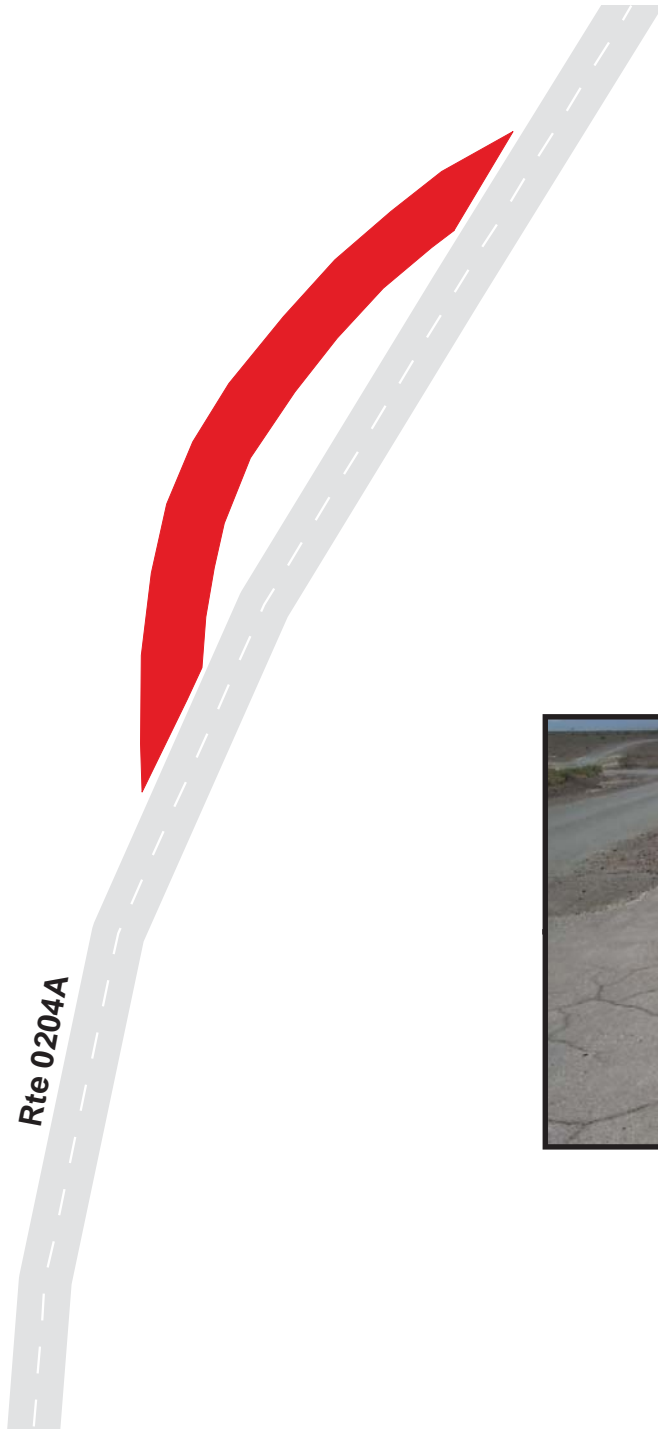
# Death Valley National Park

## Route 0935

Texas Spring Campground Dump Station  
From Route 0204A at MP 0.22 on the Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0935	Public	3/31/2001	2907	0.05	AS	POOR / 45

\* Lane miles are based on 11' lane widths



# Death Valley National Park

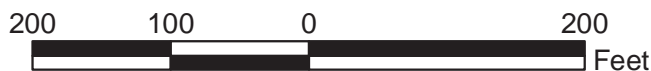
## Route 0936

Furnace Creek Dump Station

Adjacent to CA 190 near Furnace Creek Visitor Center

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936	Public	4/3/2001	7269	0.13	AS	FAIR / 73

\* Lane miles are based on 11' lane widths





# ***DEVA: PARKWIDE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>PARK TOTAL</i></b>	<b><i>UNIT</i></b>
BRIDGE	0	EACH
CATTLE GUARD	1	EACH
CULVERT	64	EACH
CURB	20,207	LINEAR FEET
DROP INLET	0	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	2,234	LINEAR FEET
INTERSECTION	131	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	2	EACH
PAVED DITCH	0	LINEAR FEET
PULLOUT	8	EACH
RAILROAD CROSSING	0	EACH
RETAINING WALL	1	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

# ***DEVA: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0010 DAYLIGHT PASS (MUD CANYON) ROAD</i></b>	<b><i>ROUTE 0011 SCOTTYS CASTLE (BONNIE CLAIRE) ROAD</i></b>	<b><i>ROUTE 0012 BEATTY CUTOFF</i></b>	<b><i>ROUTE 0014 EMIGRANT CANYON ROAD</i></b>	<b><i>ROUTE 0015 BADWATER ROAD</i></b>	<b><i>ROUTE 0103 DANTE'S VIEW ROAD</i></b>	<b><i>UNIT</i></b>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	1	0	0	0	0	0	EACH
CULVERT	1	16	2	17	28	0	EACH
CURB	343	380	0	2,128	0	15,919	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	438	0	1,796	LINEAR FEET
INTERSECTION	5	15	2	10	15	10	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	1	1	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	1	2	0	0	1	1	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

# ***DEVA: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0109 UBEHEBE CRATER ROAD</i></b>	<b><i>ROUTE 0112 CHARCOAL KILNS ROAD</i></b>	<b><i>ROUTE 0113 PANAMINT VALLEY ROAD</i></b>	<b><i>ROUTE 0202 FURNACE CREEK AIRPORT ROAD</i></b>	<b><i>ROUTE 0204A TEXAS SPRING CAMPGROUND</i></b>	<b><i>ROUTE 0206 TIMBISHA SHASHONE VILLAGE ROAD</i></b>	<b><i>UNIT</i></b>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	0	EACH
CURB	0	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	7	4	0	1	16	1	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	1	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET



# ***DEVA: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0212A MESQUITE SPRING CAMPGROUND ACCESS ROAD</i></b>	<b><i>ROUTE 0230 STOVEPIPE WELLS LANDING STRIP ROAD</i></b>	<b><i>ROUTE 0400 COW CREEK SERVICE ROAD</i></b>	<b><i>ROUTE 0401 OLD GHOST ROAD</i></b>	<b><i>ROUTE 0402 SKYLINE ROAD</i></b>	<b><i>ROUTE 0403 COYOTE LOOP</i></b>	<b><i>UNIT</i></b>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	0	EACH
CURB	0	0	517	0	0	803	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	2	2	12	3	12	2	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	1	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

# ***DEVA: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0405 NEVARRES ROAD</i></b>	<b><i>ROUTE 0407 GRAPEVINE SERVICE ROAD</i></b>	<b><i>ROUTE 0408 SALT PAN VISTA ROAD</i></b>	<b><i>ROUTE 0500 ARTIST DRIVE</i></b>	<b><i>ROUTE 0501 HARMONY BORAX WORKS ROAD</i></b>	<b><i>UNIT</i></b>
BRIDGE	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	EACH
CURB	116	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	LINEAR FEET
INTERSECTION	1	2	3	3	3	EACH
LOW WATER CROSSING	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	2	0	EACH
RAILROAD CROSSING	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	LINEAR FEET

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0010 : DAYLIGHT PASS (MUD CANYON) ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0011 (NPS 05) AT MP 037 ON THE RIGHT
0.007	0.007	INTERSECTION	RIGHT	
1.080	1.080	CULVERT	N/A	
2.574	2.639	CURB	RIGHT	
3.096	3.135	PULLOUT	RIGHT	
6.695	6.695	INTERSECTION	RIGHT	ROUTE 012 BEATTY CUTOFF
6.698	6.698	INTERSECTION	LEFT	
7.207	7.207	INTERSECTION	RIGHT	
12.874	12.874	INTERSECTION	LEFT	
17.182	17.182	PARK BOUNDARY	N/A	
17.186	17.186	CATTLE GUARD	N/A	
17.190	17.190			ROUTE ENDS AT EAST PARK BOUNDARY



# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0011 : SCOTTYS CASTLE (BONNIE CLAIRE) ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT CA 190
0.580	0.580	INTERSECTION	RIGHT	ROUTE 010 DAYLIGHT PASS (MUD CANYON) ROAD
0.750	0.750	INTERSECTION	RIGHT	ROUTE 932 MUD CANYON MUSHROOM PARKING
1.509	1.509	CULVERT	N/A	
1.669	1.669	CULVERT	N/A	
1.806	1.806	CULVERT	N/A	
2.975	2.975	INTERSECTION	LEFT	ROUTE 100 SAND DUNES ROAD
6.883	6.883	CULVERT	N/A	
7.894	7.894	CULVERT	N/A	
8.508	8.508	CULVERT	N/A	
8.745	8.745	CULVERT	N/A	
8.933	8.933	CULVERT	N/A	
9.044	9.044	CULVERT	N/A	
11.832	11.870	PULLOUT	RIGHT	
14.855	14.855	INTERSECTION	RIGHT	ROUTE 503 TITUS CANYON ROAD
26.298	26.298	CULVERT	N/A	
26.458	26.458	CULVERT	N/A	
29.991	29.991	CULVERT	N/A	
30.056	30.056	CULVERT	N/A	
30.255	30.255	CULVERT	N/A	
30.407	30.407	CULVERT	N/A	
32.464	32.464	CULVERT	N/A	
32.751	32.751	INTERSECTION	LEFT	ROUTE 212A MESQUITE SPRING CAMPGROUND ACCESS RO
33.014	33.014	INTERSECTION	RIGHT	RTE 407 GRAPEVINE SERVICE ROAD

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0011 : SCOTTYS CASTLE (BONNIE CLAIRE) ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
33.070	33.070	INTERSECTION	RIGHT	RTE 410 GRAPEVINE BONEYARD ROAD
33.185	33.229	CURB	LEFT	
33.189	33.189	INTERSECTION	LEFT	
33.196	33.224	CURB	LEFT	
33.197	33.230	PULLOUT	LEFT	
33.241	33.241	INTERSECTION	LEFT	
33.380	33.380	INTERSECTION	LEFT	RTE 109 UBEHEBE CRATER ROAD
36.241	36.241	INTERSECTION	LEFT	
36.327	36.327	INTERSECTION	LEFT	RTE 900 SCOTTY'S CASTLE PARKING
36.404	36.404	INTERSECTION	LEFT	RTE 900 SCOTTY'S CASTLE PARKING
36.480	36.480	INTERSECTION	LEFT	
40.823	40.823	INTERSECTION	LEFT	
40.849	40.849	PARK BOUNDARY	N/A	
40.860	40.860			ROUTE ENDS AT EAST PARK BOUNDARY (NV STATE BORDER)

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0012 : BEATTY CUTOFF***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT CA 190
2.057	2.057	CULVERT	N/A	
5.654	5.654	INTERSECTION	RIGHT	RTE 211, KEANE WONDER MINE ROAD
5.713	5.713	INTERSECTION	RIGHT	RTE 211, KEANE WONDER MINE ROAD
7.385	7.385	CULVERT	N/A	
9.980	9.980			ROUTE ENDS AT ROUTE 0010 (NPS 06) AT MP 666 ON THE RIGHT



# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0014 : EMIGRANT CANYON ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT CA 190
0.305	0.708	CURB	RIGHT	
0.599	0.650	GUARDRAIL	LEFT	
0.639	0.671	GUARDRAIL	RIGHT	
2.007	2.007	CULVERT	N/A	
4.915	4.915	CULVERT	N/A	
4.997	4.997	INTERSECTION	RIGHT	
6.636	6.636	INTERSECTION	RIGHT	
9.450	9.450	INTERSECTION	LEFT	UNPAVED ROAD
11.837	11.837	INTERSECTION	LEFT	EUREKA MINE ROAD
13.923	13.923	CULVERT	N/A	
14.458	14.458	CULVERT	N/A	
14.529	14.529	CULVERT	N/A	
14.582	14.582	CULVERT	N/A	
14.690	14.690	CULVERT	N/A	
14.862	14.862	CULVERT	N/A	
15.193	15.193	CULVERT	N/A	
15.563	15.563	INTERSECTION	RIGHT	
15.706	15.706	CULVERT	N/A	
15.815	15.815	CULVERT	N/A	
16.165	16.165	CULVERT	N/A	
18.950	18.950	INTERSECTION	RIGHT	
21.072	21.072	INTERSECTION	LEFT	RTE 112 CHARCOAL KILNS ROAD
21.162	21.162	CULVERT	N/A	
21.821	21.821	CULVERT	N/A	
21.981	21.981	CULVERT	N/A	
22.232	22.232	CULVERT	N/A	

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0014 : EMIGRANT CANYON ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
22.653	22.653	INTERSECTION	RIGHT	
24.926	24.926	INTERSECTION	LEFT	
26.292	26.292	INTERSECTION	LEFT	
26.399	26.399	CULVERT	N/A	
27.540	27.540			ROUTE ENDS AT WEST PARK BOUNDARY

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0015 : BADWATER ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT CA 190
0.555	0.555	INTERSECTION	LEFT	
0.814	0.814	CULVERT	N/A	
1.598	1.644	PULLOUT	RIGHT	
2.022	2.022	INTERSECTION	LEFT	RTE 915, GOLDEN CANYON PARKING
4.256	4.256	CULVERT	N/A	
4.381	4.381	CULVERT	N/A	
4.395	4.395	INTERSECTION	LEFT	RTE 916, MUSHROOM ROCK PARKING
4.790	4.790	INTERSECTION	LEFT	RTE 500, ARTIST DRIVE
5.938	5.938	INTERSECTION	RIGHT	RTE 110, WEST SIDE ROAD
8.551	8.551	INTERSECTION	LEFT	RTE 500, ARTIST DRIVE
10.937	10.937	INTERSECTION	RIGHT	RTE 228, DEVIL'S GOLF COURSE ROAD
12.973	12.973	INTERSECTION	LEFT	RTE 209, NATURAL BRIDGE ROAD
14.632	14.632	CULVERT	N/A	
14.762	14.762	CULVERT	N/A	
15.216	15.216	CULVERT	N/A	
15.439	15.439	CULVERT	N/A	
15.627	15.627	CULVERT	N/A	
16.030	16.030	CULVERT	N/A	
16.443	16.443	INTERSECTION	RIGHT	RTE 917, BADWATER PARKING
17.344	17.344	CULVERT	N/A	
17.589	17.589	CULVERT	N/A	
17.906	17.906	CULVERT	N/A	
22.241	22.241	CULVERT	N/A	
23.834	23.834	CULVERT	N/A	



# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0015 : BADWATER ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
23.943	23.943	CULVERT	N/A	
24.062	24.062	CULVERT	N/A	
27.609	27.609	CULVERT	N/A	
36.433	36.433	CULVERT	N/A	
41.794	41.794	INTERSECTION	RIGHT	RTE 110 WEST SIDE ROAD
43.542	43.542	INTERSECTION	RIGHT	ASHFORD MILLS RUINS
45.563	45.563	INTERSECTION	RIGHT	RTE 107, HARRY WADE ROAD
45.641	45.641	INTERSECTION	RIGHT	
47.140	47.140	CULVERT	N/A	
50.779	50.779	CULVERT	N/A	
51.030	51.030	CULVERT	N/A	
55.793	55.793	INTERSECTION	LEFT	
59.036	59.036	CULVERT	N/A	
59.156	59.156	CULVERT	N/A	
59.235	59.235	CULVERT	N/A	
59.345	59.345	CULVERT	N/A	
59.507	59.507	CULVERT	N/A	
59.718	59.718	CULVERT	N/A	
59.764	59.764	CULVERT	N/A	
59.892	59.892	INTERSECTION	RIGHT	
59.940	59.940			ROUTE ENDS AT EAST PARK BOUNDARY LOCATED 4 MILES PAST PAVEMENT C

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0103 : DANTE'S VIEW ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT CA 190
0.023	0.023	INTERSECTION	LEFT	
1.408	1.408	INTERSECTION	RIGHT	
1.442	1.442	INTERSECTION	RIGHT	DIRT ROAD
1.470	1.470	INTERSECTION	RIGHT	DIRT ROAD
2.414	2.414	INTERSECTION	RIGHT	
2.418	2.418	INTERSECTION	LEFT	RYAN ROAD
7.531	7.531	INTERSECTION	RIGHT	RTE 919, DANTE'S VIEW TRAILER PARKING
7.536	7.536	INTERSECTION	LEFT	GREENWATER VALLEY ROAD (UNPAVED)
10.616	11.012	CURB	LEFT	
10.695	11.278	CURB	RIGHT	
11.023	11.319	CURB	LEFT	
11.306	11.410	CURB	RIGHT	
11.416	11.459	CURB	LEFT	
11.423	11.486	CURB	RIGHT	
11.460	11.522	CURB	LEFT	
11.544	11.614	CURB	RIGHT	
11.549	11.601	CURB	LEFT	
11.621	11.663	CURB	LEFT	
11.691	11.776	CURB	LEFT	
11.771	11.946	CURB	RIGHT	
11.819	11.935	CURB	LEFT	
11.954	12.066	CURB	LEFT	
12.044	12.070	CURB	RIGHT	
12.071	12.094	PULLOUT	RIGHT	
12.096	12.264	CURB	RIGHT	

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0103 : DANTE'S VIEW ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
12.103	12.390	CURB	LEFT	
12.625	12.625	INTERSECTION	LEFT	RTE 926, DANTE'S VIEW REST AREA/TRAILER TURN AR
12.657	12.657	INTERSECTION	LEFT	
12.699	12.719	CURB	RIGHT	
12.776	12.818	CURB	RIGHT	
12.788	12.820	GUARDRAIL	LEFT	
12.840	12.882	GUARDRAIL	RIGHT	
12.840	12.895	CURB	LEFT	
12.883	12.978	CURB	RIGHT	
12.901	12.980	GUARDRAIL	LEFT	
12.979	12.989	CURB	LEFT	
12.994	13.018	GUARDRAIL	RIGHT	
13.019	13.031	CURB	RIGHT	
13.021	13.168	GUARDRAIL	LEFT	
13.037	13.122	CURB	LEFT	
13.105	13.121	GUARDRAIL	RIGHT	
13.148	13.151	CURB	LEFT	
13.160	13.165	CURB	RIGHT	
13.160	13.168	CURB	LEFT	
13.170	13.170			ROUTE ENDS AT ROUTE 0920



# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0109 : UBEHEBE CRATER ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0011 (NPS 05) AT MP 3336 ON THE LEFT
1.590	1.590	INTERSECTION	RIGHT	RTE 505, LOWER VINE RANCH ROAD
2.819	2.819	INTERSECTION	RIGHT	RTE 108, BIG PINE ROAD
5.360	5.360	INTERSECTION	LEFT	RTE 109, BEGIN/END LOOP
5.679	5.679	INTERSECTION	RIGHT	RTE 225, RACETRACK VALLEY ROAD
5.984	5.984	INTERSECTION	RIGHT	RTE 901 UBEHEBE CRATER PARKING
5.986	5.986	INTERSECTION	LEFT	RTE 901 UBEHEBE CRATER PARKING
6.232	6.232	INTERSECTION	LEFT	
6.250	6.250			ROUTE ENDS AT END OF LOOP

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0112 : CHARCOAL KILNS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0014 (NPS 08) AT MP 2107 ON THE LEFT
0.082	0.082	INTERSECTION	LEFT	RTE 116, WILDROSE CAMPGROUND ROAD
0.345	0.345	INTERSECTION	RIGHT	RTE 412, WILDROSE RESIDENCE ROAD
0.360	0.405	PULLOUT	RIGHT	
0.390	0.390	INTERSECTION	LEFT	RTE 906 WILDROSE UTILITY ROAD
0.463	0.463	INTERSECTION	RIGHT	RTE 905 WILDROSE RESIDENCE ROAD
5.070	5.070			ROUTE ENDS AT ROUTE 0231 (CHARCOAL KILNS)

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0113 : PANAMINT VALLEY ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
NO MAINTENANCE FEATURES IN ROUTE.				
0.000	0.000			ROUTE BEGINS AT CA 190
1.010	1.010			ROUTE ENDS AT SOUTH PARK BOUNDARY



# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0202 : FURNACE CREEK AIRPORT ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT CA 190
0.013	0.013	INTERSECTION	RIGHT	RTE 913, FURNACE CREEK VISITOR CENTER PARKING
0.780	0.780			ROUTE ENDS AT ROUTE 0930

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0204A : TEXAS SPRING CAMPGROUND***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT CA 190
0.144	0.144	INTERSECTION	RIGHT	
0.242	0.242	INTERSECTION	LEFT	
0.272	0.272	INTERSECTION	LEFT	RTE 203, SUNSET CAMPGROUND
0.383	0.383	INTERSECTION	LEFT	
0.383	0.383	INTERSECTION	RIGHT	
0.445	0.445	INTERSECTION	LEFT	
0.446	0.446	INTERSECTION	RIGHT	
0.466	0.466	INTERSECTION	RIGHT	
0.482	0.482	INTERSECTION	LEFT	
0.537	0.537	INTERSECTION	RIGHT	
0.543	0.543	INTERSECTION	LEFT	
0.553	0.553	INTERSECTION	RIGHT	
0.565	0.565	INTERSECTION	LEFT	
0.578	0.578	INTERSECTION	LEFT	
0.661	0.661	INTERSECTION	RIGHT	
0.664	0.664	INTERSECTION	LEFT	
0.670	0.670			ROUTE ENDS AT ROUTE 0204B (NPS 27)

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

***ROUTE 0206 : TIMBISHA SHASHONE VILLAGE ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT CA 190
0.609	0.609	INTERSECTION	BOTH	
0.610	0.610			ROUTE ENDS AT VILLAGE ENTRANCE



# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0212A : MESQUITE SPRING CAMPGROUND ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0011 (NPS 05) AT MP 3272 ON THE LEFT
1.738	1.738	INTERSECTION	LEFT	
1.864	1.864	INTERSECTION	BOTH	
1.870	1.870			ROUTE ENDS AT ROUTE 0212 (NPS 12)

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0230 : STOVEPIPE WELLS LANDING STRIP ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT CA 190
0.056	0.056	INTERSECTION	RIGHT	
0.099	0.099	INTERSECTION	RIGHT	
0.510	0.510			ROUTE ENDS AT ROUTE 0414 (NPS 82)

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0400 : COW CREEK SERVICE ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT CA 190
0.121	0.121	INTERSECTION	RIGHT	RTE 408 SALT PAN VISTA ROAD
0.232	0.232	INTERSECTION	LEFT	RTE 401 OLD GHOST ROAD
0.295	0.366	CURB	RIGHT	
0.296	0.323	CURB	LEFT	
0.301	0.301	INTERSECTION	RIGHT	RTE 909 COW CREEK ADMINISTRATIVE PARKING
0.332	0.332	INTERSECTION	LEFT	
0.339	0.339	INTERSECTION	RIGHT	
0.397	0.397	INTERSECTION	LEFT	
0.406	0.406	INTERSECTION	RIGHT	RTE 910 COW CREEK MAINTENANCE YARD
0.480	0.480	INTERSECTION	RIGHT	
0.512	0.512	INTERSECTION	LEFT	
0.513	0.513	INTERSECTION	RIGHT	END AT RTE 911, FIRE RESERVOIR PARKING
0.536	0.536	INTERSECTION	RIGHT	
0.545	0.545	INTERSECTION	LEFT	
0.550	0.550			ROUTE ENDS AT ROUTE 0911



# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0401 : OLD GHOST ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0400 AT MP 025 ON THE LEFT
0.035	0.035	INTERSECTION	RIGHT	RTE 415 SIMS CIRCLE RV PARK
0.076	0.076	INTERSECTION	RIGHT	RTE 908 SIMS CIRCLE
0.458	0.458	INTERSECTION	RIGHT	RTE 402 SKYLINE ROAD
1.290	1.290			ROUTE ENDS AT ROUTE 0402 AND ROUTE 0405

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0402 : SKYLINE ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTES 0401 & 0405 (NPS 50)
0.031	0.031	INTERSECTION	LEFT	
0.078	0.078	INTERSECTION	LEFT	
0.088	0.088	INTERSECTION	RIGHT	
0.165	0.165	INTERSECTION	RIGHT	
0.196	0.196	INTERSECTION	RIGHT	
0.239	0.239	INTERSECTION	LEFT	RTE 403 COYOTE LOOP
0.253	0.253	INTERSECTION	RIGHT	
0.292	0.292	INTERSECTION	RIGHT	
0.305	0.305	INTERSECTION	LEFT	
0.313	0.313	INTERSECTION	RIGHT	
0.332	0.332	INTERSECTION	RIGHT	
0.823	0.823	INTERSECTION	BOTH	
0.830	0.830			ROUTE ENDS AT ROUTE 0401 AT MP 046 ON THE RIGHT

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0403 : COYOTE LOOP***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0402 AT MP 024 ON THE LEFT
0.014	0.014	INTERSECTION	LEFT	
0.018	0.091	CURB	LEFT	
0.161	0.161	INTERSECTION	RIGHT	
0.164	0.179	RETAINING WALL	RIGHT	
0.177	0.213	CURB	RIGHT	
0.216	0.219	CURB	RIGHT	
0.225	0.265	CURB	RIGHT	
0.280	0.280			ROUTE ENDS AT END OF LOOP



# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0405 : NEVARRES ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTES 0401 & 0402
0.023	0.023	INTERSECTION	RIGHT	
0.037	0.059	CURB	RIGHT	
0.070	0.070			ROUTE ENDS AT END

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0407 : GRAPEVINE SERVICE ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0011 AT MP 3304 ON THE RIGHT
0.025	0.025	INTERSECTION	RIGHT	RTE 409, GRAPEVINE RESIDENCE ROAD
0.034	0.034	INTERSECTION	RIGHT	
0.060	0.060			ROUTE ENDS AT ROUTE 0928

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0408 : SALT PAN VISTA ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0400 AT MP 012 ON THE RIGHT
0.084	0.084	INTERSECTION	RIGHT	UNPAVED ROAD
0.236	0.236	INTERSECTION	LEFT	
0.305	0.305	INTERSECTION	LEFT	
0.310	0.310			ROUTE ENDS AT END OF LOOP



# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0500 : ARTIST DRIVE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0015 (NPS 01 & 02) AT MP 856 ON THE LEFT
1.510	1.532	PULLOUT	RIGHT	
3.646	3.664	PULLOUT	RIGHT	
4.345	4.345	INTERSECTION	RIGHT	RTE 927 ARTIST PALETTE PARKING
8.847	8.847	INTERSECTION	LEFT	
8.852	8.852	INTERSECTION	RIGHT	
8.860	8.860			ROUTE ENDS AT ROUTE 0015 (NPS 01 & 02) AT MP 480 ON THE LEFT

# ***DEVA: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0501 : HARMONY BORAX WORKS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT CA 190
0.021	0.021	INTERSECTION	RIGHT	
0.184	0.184	INTERSECTION	LEFT	
0.216	0.216	INTERSECTION	LEFT	RTE 931, HARMONY BORAX WORKS PARKING
0.240	0.240			ROUTE ENDS AT ROUTES 0931 & 0504

## APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

<b>TERM OR ABBREVIATION</b>	<b>DESCRIPTION OR DEFINITION</b>
8130	Numeric Code for Death Valley National Park
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
CRS	Condition Rating Sheets. (Section 5)
DEVA	Alpha Code for Death Valley National Park
Drainage Condition Rating	A visual rating (Good, Poor) of the drainage condition. (see Section 10)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value between 61 and 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value between 85 and 94
IRI	International Roughness Index
Lane Width	Distance from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MRR	Manually Rated Route
NA	Not Applicable
NC	Not Collected
Paved Width	Distance from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (see Section 10)



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

## APPENDIX B: DESCRIPTION OF RATING SYSTEM

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

Data is collected on the following distresses and conditions:

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

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

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

### Rating Index Formulas

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

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

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

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

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

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

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

**Surface Condition Rating (SCR)** =  $100 - [(100 - AC\_INDEX) + (100 - LC\_INDEX) + (100 - TC\_INDEX) + (100 - PATCH\_INDEX) + (100 - RUT\_INDEX)]$

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

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

**Parking Lot and Manually Rated Road Condition Rating**

**Surface Condition Distresses- Chip Seal:**

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

**Ratings - Chip Seal:**

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

**Surface Condition - Asphalt:**

- Cracking of any type
- Rutting
- Potholes/Patching

**Ratings - Asphalt:**

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

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

Excellent	97
Good	90
Fair	73
Poor	45

### Drainage Condition Rating Definitions

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

### Drainage Condition Rating Criteria

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

#### **Good Drainage**

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

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

#### **Poor Drainage**

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

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

### Shoulder Condition Rating Definitions

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



### **Shoulder Rating Criteria**

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

#### **Good Shoulders**

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

#### **Poor Shoulder**

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

## APPENDIX C: DIGITAL IMAGE INFORMATION

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

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

## APPENDIX D: METADATA

### ARAN ROUTE GPS DATA

Background information of route spatial data.

**GPS Records:** GPS data for NPS routes is stored in the MS Access database for the park. The coordinates of the road traces are stored in the 'PMS\_20' table in the 'GPS\_LAT' and 'GPS\_LON' fields.

**Data Collection Device:**

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

**Accuracy:** Expected ground accuracy is 1 meter \*

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

**Geographic Datum:** WGS 1984

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

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

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

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

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

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

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

### Specific Caveats

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



space and to reduce data analysis efforts, the assumption was made that the paved surface condition of a route's primary lane adequately represents the surface condition of the full roadway. Therefore, in the database, opposite-direction records in the PMS\_Visidata table do not include assessed values for roadway surface distresses. Values such as 0, N/A, -1, or a repeat of the primary-direction assessed value indicate that no assessment was performed. The PMS\_20 and PMS\_Mile tables simply exclude all opposite routes.

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

### **Key to Notes in Tables**

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

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

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

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

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

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

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

## Access Database Metadata

### Master Table Metadata:

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

**PMS\_Feature Table Metadata:**

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

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

**PMS 20, PMS Mile & PMS Visidata Tables Metadata:**

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



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

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

## **Cycle   Shapefile Metadata**

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

All shapefiles have the following spatial characteristics:

*Geographic\_Coordinate\_Units:* Decimal degrees  
*Spheroid:* WGS 1984







# deva\_pkg\_03

Metadata also available as

## Metadata:

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

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Eastern Federal Lands Highway Division

*Publication\_Date:* Unknown

*Title:* deva\_pkg\_03

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Parking Areas

*Purpose:* Road Inventory Program

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 10/19/1998

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -117.455228

*East\_Bounding\_Coordinate:* -116.663683

*North\_Bounding\_Coordinate:* 37.032869

*South\_Bounding\_Coordinate:* 36.217549

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DEVA

*Theme\_Keyword:* DEVA

*Access\_Constraints:* None

*Use\_Constraints:* Redistribution needs permission from EFLHD/NPS

#### *Point\_of\_Contact:*

##### *Contact\_Information:*

*Contact\_Person\_Primary:**Contact\_Person:* Dan VanGilder*Contact\_Organization:* EFLHD*Contact\_Position:* GIS Coordinator*Contact\_Address:**Address\_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State\_or\_Province:* Virginia*Postal\_Code:* 20166*Country:* United States*Contact\_Voice\_Telephone:* 703-404-6361*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov*Native\_Data\_Set\_Environment:*

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

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*Data\_Quality\_Information:**Attribute\_Accuracy:**Attribute\_Accuracy\_Report:* Good*Completeness\_Report:* Complete for parking areas*Lineage:**Source\_Information:**Type\_of\_Source\_Media:* GPS

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*Spatial\_Data\_Organization\_Information:**Direct\_Spatial\_Reference\_Method:* Vector*Point\_and\_Vector\_Object\_Information:**SDTS\_Terms\_Description:**SDTS\_Point\_and\_Vector\_Object\_Type:* G-polygon*Point\_and\_Vector\_Object\_Count:* 27

---

*Spatial\_Reference\_Information:**Horizontal\_Coordinate\_System\_Definition:**Geographic:**Latitude\_Resolution:* 0.000000*Longitude\_Resolution:* 0.000000*Geographic\_Coordinate\_Units:* Decimal degrees*Geodetic\_Model:**Horizontal\_Datum\_Name:* North American Datum of 1927*Ellipsoid\_Name:* Clarke 1866*Semi-major\_Axis:* 6378206.400000*Denominator\_of\_Flattening\_Ratio:* 294.978698

*Entity\_and\_Attribute\_Information:**Detailed\_Description:**Entity\_Type:**Entity\_Type\_Label:* deva\_pkg\_03*Attribute:**Attribute\_Label:* FID*Attribute\_Definition:* Internal feature number.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:**Attribute\_Label:* Shape*Attribute\_Definition:* Feature geometry.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:* Coordinates defining the features.*Attribute:**Attribute\_Label:* PARK\_ALPHA*Attribute\_Definition:* Park alpha code*Attribute\_Definition\_Source:* Route ID Meeting*Attribute:**Attribute\_Label:* RTE\_NO*Attribute\_Definition:* Route number*Attribute\_Definition\_Source:* Route ID Meeting*Attribute:**Attribute\_Label:* RTE\_NAME*Attribute\_Definition:* Route name*Attribute\_Definition\_Source:* Route ID Meeting*Attribute:**Attribute\_Label:* FEATURE*Attribute:**Attribute\_Label:* SURF\_TYPE*Attribute\_Definition:* Surface type of route*Attribute\_Domain\_Values:**Attribute:**Attribute\_Label:* CONDITION*Attribute\_Definition:* Condition rating for route*Attribute:**Attribute\_Label:* PHOTOS*Attribute\_Definition:* Photo filename associated with feature*Attribute:**Attribute\_Label:* COMMENT*Attribute\_Definition:* Field comment*Attribute:**Attribute\_Label:* GPS\_DATE*Attribute\_Definition:* Date of GPS collection*Attribute:**Attribute\_Label:* DATAFILE*Attribute:**Attribute\_Label:* SQ\_FT



*Attribute\_Definition:* Feature area in square feet

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*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.018

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050726

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* EFLHD Sterling

*Contact\_Person:* Dan VanGilder

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name:* ESRI Metadata Profile

---

Generated by [mp](#) version 2.7.33 on Tue Jul 26 11:39:50 2005

# deva\_pkg\_03\_map

Metadata also available as

## Metadata:

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

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Eastern Federal Lands Highway Division

*Publication\_Date:* Unknown

*Title:* deva\_pkg\_03\_map

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Copy of Parking Areas

*Purpose:* Road Inventory Program

##### *Supplemental\_Information:*

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

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 10/19/1998

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -117.455278

*East\_Bounding\_Coordinate:* -116.663683

*North\_Bounding\_Coordinate:* 37.032869

*South\_Bounding\_Coordinate:* 36.217588

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DEVA

*Theme\_Keyword:* DEVA

*Access\_Constraints:* None

*Use\_Constraints:* Redistribution needs permission from EFLHD/NPS

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Native\_Data\_Set\_Environment:*

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

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for parking areas

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

---

*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* G-polygon

*Point\_and\_Vector\_Object\_Count:* 27

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000000

*Longitude\_Resolution:* 0.000000

*Geographic\_Coordinate\_Units:* Decimal degrees

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1927

*Ellipsoid\_Name:* Clarke 1866

*Semi-major\_Axis:* 6378206.400000

*Denominator\_of\_Flattening\_Ratio:* 294.978698

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* deva\_pkg\_03\_map

*Attribute:*

*Attribute\_Label:* FID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* Shape

*Attribute\_Definition:* Feature geometry.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

*Attribute:*

*Attribute\_Label:* PARK\_ALPHA

*Attribute\_Definition:* Park alpha code

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* RTE\_NO

*Attribute\_Definition:* Route number

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* RTE\_NAME

*Attribute\_Definition:* Route name

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* FEATURE

*Attribute:*

*Attribute\_Label:* SURF\_TYPE

*Attribute\_Definition:* Surface type of route

*Attribute\_Domain\_Values:*

*Attribute:*

*Attribute\_Label:* CONDITION

*Attribute\_Definition:* Condition rating for route

*Attribute:*

*Attribute\_Label:* PHOTOS

*Attribute\_Definition:* Photo filename associated with feature

*Attribute:*

*Attribute\_Label:* COMMENT

*Attribute\_Definition:* Field comment

*Attribute:*

*Attribute\_Label:* GPS\_DATE

*Attribute\_Definition:* Date of GPS collection



*Attribute:**Attribute\_Label:* DATAFILE*Attribute:**Attribute\_Label:* SQ\_FT*Attribute\_Definition:* Feature area in square feet

---

*Distribution\_Information:**Resource\_Description:* Downloadable Data*Standard\_Order\_Process:**Digital\_Form:**Digital\_Transfer\_Information:**Transfer\_Size:* 0.018

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*Metadata\_Reference\_Information:**Metadata\_Date:* 20050726*Metadata\_Contact:**Contact\_Information:**Contact\_Organization\_Primary:**Contact\_Organization:* EFLHD Sterling*Contact\_Person:* Dan VanGilder*Contact\_Position:* GIS Coordinator*Contact\_Address:**Address\_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State\_or\_Province:* Virginia*Postal\_Code:* 20166*Country:* United States*Contact\_Voice\_Telephone:* 703-404-6361*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata*Metadata\_Standard\_Version:* FGDC-STD-001-1998*Metadata\_Time\_Convention:* local time*Metadata\_Extensions:**Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>*Profile\_Name:* ESRI Metadata Profile

---

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# deva\_nonNPS

Metadata also available as

## Metadata:

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

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* The TSR Group

*Publication\_Date:* 2005

*Title:* deva\_nonNPS

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* non-NPS roads

*Purpose:* Road Inventory Program

##### *Supplemental\_Information:*

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

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 2005

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -117.227395

*East\_Bounding\_Coordinate:* -116.697226

*North\_Bounding\_Coordinate:* 36.607971

*South\_Bounding\_Coordinate:* 36.362523

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DEVA

*Theme\_Keyword:* DEVA

*Access\_Constraints:* None

*Use\_Constraints:* Redistribution needs permission from EFLHD/NPS

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Native\_Data\_Set\_Environment:*

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

---

*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for non-NPS roads

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* Heads-up digitized

*Process\_Step:*

*Process\_Description:* Metadata imported.

*Source\_Used\_Citation\_Abbreviation:*

J:\FHWA\_RoadInvProg\Data\Park\_TSR\_source\Template\_Folders\Section\_10  
\template\_nonnps\_03.xml

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* String

*Point\_and\_Vector\_Object\_Count:* 5

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000000

*Longitude\_Resolution:* 0.000000

*Geographic\_Coordinate\_Units*: Decimal degrees  
*Geodetic\_Model*:  
*Horizontal\_Datum\_Name*: North American Datum of 1927  
*Ellipsoid\_Name*: Clarke 1866  
*Semi-major\_Axis*: 6378206.400000  
*Denominator\_of\_Flattening\_Ratio*: 294.978698

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*Entity\_and\_Attribute\_Information*:

*Detailed\_Description*:

*Entity\_Type*:

*Entity\_Type\_Label*: deva\_nonNPS

*Attribute*:

*Attribute\_Label*: FID

*Attribute\_Definition*: Internal feature number.

*Attribute\_Definition\_Source*: ESRI

*Attribute\_Domain\_Values*:

*Unrepresentable\_Domain*:

Sequential unique whole numbers that are automatically generated.

*Attribute*:

*Attribute\_Label*: Shape

*Attribute\_Definition*: Feature geometry.

*Attribute\_Definition\_Source*: ESRI

*Attribute\_Domain\_Values*:

*Unrepresentable\_Domain*: Coordinates defining the features.

*Attribute*:

*Attribute\_Label*: Id

*Attribute\_Definition*: Name of road if available

*Attribute*:

*Attribute\_Label*: Name

---

*Distribution\_Information*:

*Resource\_Description*: Downloadable Data

*Standard\_Order\_Process*:

*Digital\_Form*:

*Digital\_Transfer\_Information*:

*Transfer\_Size*: 0.008

---

*Metadata\_Reference\_Information*:

*Metadata\_Date*: 20050726

*Metadata\_Contact*:

*Contact\_Information*:

*Contact\_Organization\_Primary*:

*Contact\_Organization*: EFLHD Sterling

*Contact\_Person*: Dan VanGilder

*Contact\_Position*: GIS Coordinator



*Contact\_Address:**Address\_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State\_or\_Province:* Virginia*Postal\_Code:* 20166*Country:* United States*Contact\_Voice\_Telephone:* 703-404-6361*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata*Metadata\_Standard\_Version:* FGDC-STD-001-1998*Metadata\_Time\_Convention:* local time*Metadata\_Extensions:**Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>*Profile\_Name:* ESRI Metadata Profile

---

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# deva\_mrp\_03

Metadata also available as

## Metadata:

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

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Eastern Federal Lands Highway Division

*Publication\_Date:* Unknown

*Title:* deva\_mrp\_03

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Manually Rated Roads - Polygons

*Purpose:* Road Inventory Program

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

##### *Calendar\_Date:*

REQUIRED: The year (and optionally month, or month and day) for which the data set corresponds to the ground.

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -117.371226

*East\_Bounding\_Coordinate:* -116.852300

*North\_Bounding\_Coordinate:* 36.994707

*South\_Bounding\_Coordinate:* 36.264971

#### *Keywords:*

##### *Theme:*

##### *Theme\_Keyword\_Thesaurus:*

REQUIRED: Reference to a formally registered thesaurus or a similar authoritative source of theme keywords.

##### *Theme\_Keyword:*

REQUIRED: Common-use word or phrase used to describe the subject of the data set.

*Access\_Constraints:* None

*Use\_Constraints:* None

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Native\_Data\_Set\_Environment:*

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

---

*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for manually rated roads.

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

*Process\_Step:*

*Process\_Description:* Metadata imported.

*Source\_Used\_Citation\_Abbreviation:*

J:\FHWA\_RoadInvProg\Data\Park\_TSR\_source\Template\_Folders\Section\_10  
\template\_mrp\_03.xml

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* G-polygon

*Point\_and\_Vector\_Object\_Count:* 10

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:**Latitude\_Resolution:* 0.000000*Longitude\_Resolution:* 0.000000*Geographic\_Coordinate\_Units:* Decimal degrees*Geodetic\_Model:**Horizontal\_Datum\_Name:* North American Datum of 1927*Ellipsoid\_Name:* Clarke 1866*Semi-major\_Axis:* 6378206.400000*Denominator\_of\_Flattening\_Ratio:* 294.978698

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*Entity\_and\_Attribute\_Information:**Detailed\_Description:**Entity\_Type:**Entity\_Type\_Label:* deva\_mrp\_03*Attribute:**Attribute\_Label:* FID*Attribute\_Definition:* Internal feature number.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:**Attribute\_Label:* Shape*Attribute\_Definition:* Feature geometry.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:* Coordinates defining the features.*Attribute:**Attribute\_Label:* PARK\_ALPHA*Attribute\_Definition:* Park alpha code*Attribute\_Definition\_Source:* Route ID Meeting*Attribute:**Attribute\_Label:* RTE\_NO*Attribute\_Definition:* Route Number*Attribute\_Definition\_Source:* Route ID Meeting*Attribute:**Attribute\_Label:* RTE\_NAME*Attribute\_Definition:* Route Name*Attribute\_Definition\_Source:* Route ID Meeting*Attribute:**Attribute\_Label:* SECTION\_*Attribute\_Definition:* Route section ID*Attribute:**Attribute\_Label:* SURF\_TYPE*Attribute\_Definition:* Surface type of route*Attribute:**Attribute\_Label:* CONDITION*Attribute\_Definition:* Condition rating*Attribute:*



*Attribute\_Label:* COMMENT  
*Attribute\_Definition:* Field comment

*Attribute:*

*Attribute\_Label:* GPS\_DATE  
*Attribute\_Definition:* Date of GPS collection

*Attribute:*

*Attribute\_Label:* DATAFILE

*Attribute:*

*Attribute\_Label:* SQ\_FT  
*Attribute\_Definition:* Area of manually rated road in square feet

---

*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.187

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050726

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* EFLHD Sterling

*Contact\_Person:* Dan VanGilder

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name:* ESRI Metadata Profile

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name:* ESRI Metadata Profile

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name:* ESRI Metadata Profile

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# deva\_mrp\_03\_map

Metadata also available as

## Metadata:

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

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Eastern Federal Lands Highway Division

*Publication\_Date:* Unknown

*Title:* deva\_mrp\_03\_map

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Manually Rated Roads - Polygons

*Purpose:* Road Inventory Program

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 10/18/1998

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -117.371294

*East\_Bounding\_Coordinate:* -116.852300

*North\_Bounding\_Coordinate:* 36.994707

*South\_Bounding\_Coordinate:* 36.264971

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DEVA

*Theme\_Keyword:* DEVA

*Access\_Constraints:* None

*Use\_Constraints:* None

#### *Point\_of\_Contact:*

##### *Contact\_Information:*

*Contact\_Person\_Primary:**Contact\_Person:* Dan VanGilder*Contact\_Organization:* EFLHD*Contact\_Position:* GIS Coordinator*Contact\_Address:**Address\_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State\_or\_Province:* Virginia*Postal\_Code:* 20166*Country:* United States*Contact\_Voice\_Telephone:* 703-404-6361*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov*Native\_Data\_Set\_Environment:*

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

---

*Data\_Quality\_Information:**Attribute\_Accuracy:**Attribute\_Accuracy\_Report:* Good*Completeness\_Report:* Complete for manually rated roads.*Lineage:**Source\_Information:**Type\_of\_Source\_Media:* GPS

---

*Spatial\_Data\_Organization\_Information:**Direct\_Spatial\_Reference\_Method:* Vector*Point\_and\_Vector\_Object\_Information:**SDTS\_Terms\_Description:**SDTS\_Point\_and\_Vector\_Object\_Type:* G-polygon*Point\_and\_Vector\_Object\_Count:* 10

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*Spatial\_Reference\_Information:**Horizontal\_Coordinate\_System\_Definition:**Geographic:**Latitude\_Resolution:* 0.000000*Longitude\_Resolution:* 0.000000*Geographic\_Coordinate\_Units:* Decimal degrees*Geodetic\_Model:**Horizontal\_Datum\_Name:* North American Datum of 1927*Ellipsoid\_Name:* Clarke 1866*Semi-major\_Axis:* 6378206.400000*Denominator\_of\_Flattening\_Ratio:* 294.978698



*Entity\_and\_Attribute\_Information:**Detailed\_Description:**Entity\_Type:**Entity\_Type\_Label:* deva\_mrp\_03\_map*Attribute:**Attribute\_Label:* FID*Attribute\_Definition:* Internal feature number.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:**Attribute\_Label:* Shape*Attribute\_Definition:* Feature geometry.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Unrepresentable\_Domain:* Coordinates defining the features.*Attribute:**Attribute\_Label:* PARK\_ALPHA*Attribute\_Definition:* Park alpha code*Attribute\_Definition\_Source:* Route ID Meeting*Attribute:**Attribute\_Label:* RTE\_NO*Attribute\_Definition:* Route Number*Attribute\_Definition\_Source:* Route ID Meeting*Attribute:**Attribute\_Label:* RTE\_NAME*Attribute\_Definition:* Route Name*Attribute\_Definition\_Source:* Route ID Meeting*Attribute:**Attribute\_Label:* SECTION\_*Attribute\_Definition:* Route section ID*Attribute:**Attribute\_Label:* SURF\_TYPE*Attribute\_Definition:* Surface type of route*Attribute:**Attribute\_Label:* CONDITION*Attribute\_Definition:* Condition rating*Attribute:**Attribute\_Label:* COMMENT*Attribute\_Definition:* Field comment*Attribute:**Attribute\_Label:* GPS\_DATE*Attribute\_Definition:* Date of GPS collection*Attribute:**Attribute\_Label:* DATAFILE*Attribute:**Attribute\_Label:* SQ\_FT*Attribute\_Definition:* Area of manually rated road in square feet

*Distribution\_Information:**Resource\_Description:* Downloadable Data*Standard\_Order\_Process:**Digital\_Form:**Digital\_Transfer\_Information:**Transfer\_Size:* 0.187

---

*Metadata\_Reference\_Information:**Metadata\_Date:* 20050726*Metadata\_Contact:**Contact\_Information:**Contact\_Organization\_Primary:**Contact\_Organization:* EFLHD Sterling*Contact\_Person:* Dan VanGilder*Contact\_Position:* GIS Coordinator*Contact\_Address:**Address\_Type:* mailing and physical address*Address:* 21400 Ridgetop Circle*City:* Sterling*State\_or\_Province:* Virginia*Postal\_Code:* 20166*Country:* United States*Contact\_Voice\_Telephone:* 703-404-6361*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata*Metadata\_Standard\_Version:* FGDC-STD-001-1998*Metadata\_Time\_Convention:* local time*Metadata\_Extensions:**Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>*Profile\_Name:* ESRI Metadata Profile

---

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# deva\_mi\_pt

Metadata also available as

## Metadata:

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

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* The TSR Group

*Publication\_Date:* 2005

*Title:* deva\_mi\_pt

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Mile Points

*Purpose:* Road Inventory Program

##### *Supplemental\_Information:*

Data created by The TSR Group from GPS coordinates provided in the PMS\_20 table. All attributes found in the PMS\_20 table are found on the miles points.

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

*Single\_Date/Time:*

*Calendar\_Date:* 2005

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* Not Available

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -117.454803

*East\_Bounding\_Coordinate:* -116.438210

*North\_Bounding\_Coordinate:* 37.051917

*South\_Bounding\_Coordinate:* 35.902683

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DEVA

*Theme\_Keyword:* DEVA

*Access\_Constraints:* None

*Use\_Constraints:* Redistribution needs permission from EFLHD/NPS

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD Sterling

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Native\_Data\_Set\_Environment:*

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

---

*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for mile points

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

---

*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* Entity point

*Point\_and\_Vector\_Object\_Count:* 210

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000000

*Longitude\_Resolution:* 0.000000

*Geographic\_Coordinate\_Units:* Decimal degrees

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1927

*Ellipsoid\_Name:* Clarke 1866

*Semi-major\_Axis:* 6378206.400000



*Denominator\_of\_Flattening\_Ratio:* 294.978698

---

*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* deva\_mi\_pt

*Attribute:*

*Attribute\_Label:* FID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* Shape

*Attribute\_Definition:* Feature geometry.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

*Attribute:*

*Attribute\_Label:* RIP\_CYCLE

*Attribute\_Definition:* 3, for data collection cycle 3

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* STATE

*Attribute\_Definition:* State where route is located

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* PARK\_ALPHA

*Attribute\_Definition:* Park alpha code

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* PARK\_NO

*Attribute\_Definition:* Park numeric code

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* RTE\_NO

*Attribute\_Definition:* Route number

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* FUNCT\_CLAS

*Attribute\_Definition:* Route functional class

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* DIRECTION

*Attribute\_Definition:* Survey lane: PRI (primary) or OPP (opposite)

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* BEG\_MP

*Attribute\_Definition:* MP at end of road interval described by database record

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* END\_MP

*Attribute\_Definition:* MP at end of road interval described by database record

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* INT\_LENGTH

*Attribute\_Definition:* Length of road interval as aggregated from data table

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* RTE\_LENGTH

*Attribute\_Definition:* Collected route length

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* NO\_LANES

*Attribute\_Definition:* Number of lanes in route

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* LANE\_NO

*Attribute\_Definition:* Data collection lane

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* WX\_LANE\_WI

*Attribute\_Definition:* WiseCrax (crack detection software) analysis width

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* LANE\_WIDTH

*Attribute\_Definition:* Width of lane

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* PAVE\_WIDTH

*Attribute\_Definition:* Full pavement width

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* SHLD\_WIDTH

*Attribute\_Definition:* Left shoulder width

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* SHLD\_WID\_1

*Attribute\_Definition:* Right shoulder width

*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* SHLD\_COND\_

*Attribute\_Definition:* Left shoulder condition

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* SHLD\_COND1

*Attribute\_Definition:* Right shoulder condition

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* DRAIN\_COND  
*Attribute\_Definition:* Left drainage condition  
*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* DRAIN\_CO\_1  
*Attribute\_Definition:* Right drainage condition  
*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* SURF\_TYPE  
*Attribute\_Definition:* Surface type of route  
*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* PCR  
*Attribute\_Definition:* Pavement Condition Rating  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* RCI  
*Attribute\_Definition:* Roughness Condition Index; -1 if invalid IRI  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* SCR  
*Attribute\_Definition:* Surface Condition Rating  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* IRI\_AVG  
*Attribute\_Definition:* Average IRI  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* IRI\_SD  
*Attribute\_Definition:* IRI Standard Deviation  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* IRI\_L  
*Attribute\_Definition:* Left wheel path IRI  
*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* IRI\_R  
*Attribute\_Definition:* Right wheel path IRI  
*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* IRI\_FLAG  
*Attribute\_Definition:* -1 if invalid IRI data  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* RUT\_INDEX  
*Attribute\_Definition:* Rut index  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* RUT\_AVG  
*Attribute\_Definition:* Average rut depth of both wheelpaths  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:**Attribute\_Label:* RUT\_MAX*Attribute\_Definition:* Maximum rut depth of both wheelpaths*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* RUT\_SD*Attribute\_Definition:* Rut depth standard deviation*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* RUT\_LOW*Attribute\_Definition:*

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

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* RUT\_MED*Attribute\_Definition:*

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

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* RUT\_HI*Attribute\_Definition:*

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

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* XFALL*Attribute\_Definition:* Cross fall at start of road interval*Attribute\_Definition\_Source:* ARAN Data Collection*Attribute:**Attribute\_Label:* GRADE*Attribute\_Definition:* Grade at start of road interval*Attribute\_Definition\_Source:* ARAN Data Collection*Attribute:**Attribute\_Label:* AC\_INDEX*Attribute\_Definition:* Alligator cracking index*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* AC\_LOW*Attribute\_Definition:*

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

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* AC\_MED*Attribute\_Definition:*

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

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* AC\_HI*Attribute\_Definition:*

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

*Attribute\_Definition\_Source:* Contractor Post-processing



*Attribute:**Attribute\_Label:* LC\_INDEX*Attribute\_Definition:* Longitudinal cracking index*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* LC\_LOW*Attribute\_Definition:*

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

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* LC\_MED*Attribute\_Definition:*

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

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* LC\_HI*Attribute\_Definition:*

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

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* TC\_INDEX*Attribute\_Definition:* Transverse cracking index*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* TC\_LOW*Attribute\_Definition:*

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

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* TC\_MED*Attribute\_Definition:*

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

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* TC\_HI*Attribute\_Definition:*

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

*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* PATCH\_INDE*Attribute\_Definition:* Patching index*Attribute\_Definition\_Source:* Contractor Post-processing*Attribute:**Attribute\_Label:* PATCHING*Attribute\_Definition:* Percent of WiseCrax measured lane area affected by patching

*Attribute\_Definition\_Source*: Contractor Post-processing  
*Attribute*:  
*Attribute\_Label*: GPS\_LAT  
*Attribute\_Definition*: Latitude coordinate  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: GPS\_LON  
*Attribute\_Definition*: Longitude coordinate  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: GPS\_ELEV  
*Attribute\_Definition*: Elevation  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: GPS\_MODE  
*Attribute\_Definition*: GPS mode during collection  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: VIDEO  
*Attribute\_Definition*: Removable USB video hard drive number  
*Attribute\_Definition\_Source*: Contractor Post-processing  
*Attribute*:  
*Attribute\_Label*: IMAGE  
*Attribute\_Definition*: Filename of .jpg image showing road interval  
*Attribute\_Definition\_Source*: Contractor Post-processing  
*Attribute*:  
*Attribute\_Label*: SPEED  
*Attribute\_Definition*: Average ARAN speed during data collection  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: BRIDGE\_FL  
*Attribute\_Definition*: Flag indicating presence of bridge in interval  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: CONSTR\_FL  
*Attribute\_Definition*: Flag indicating construction in interval  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: LANEDEV\_FL  
*Attribute\_Definition*: Flag indicating lane deviation in interval  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: DATE  
*Attribute\_Definition*: Data collection date  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: NODISTRESS  
*Attribute\_Definition*: Flag indicating absence of pavement distress  
*Attribute\_Definition\_Source*: Contractor Post-processing  
*Attribute*:  
*Attribute\_Label*: FILENAME

*Attribute\_Definition:* Filename of raw data files  
*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* SECTION  
*Attribute\_Definition:* route section ID  
*Attribute\_Definition\_Source:* Route ID Meeting / ARAN Data Collection

*Attribute:*

*Attribute\_Label:* FKEY  
*Attribute\_Definition:* Unique record ID  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* VISI\_FROM  
*Attribute\_Definition:* Raw MP of first video frame in section  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* VISI\_TO  
*Attribute\_Definition:* Raw MP of last video frame in section  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* IDKEY  
*Attribute\_Definition:* Unique record ID used by VisiData  
*Attribute\_Definition\_Source:* Contractor Post-processing

*Attribute:*

*Attribute\_Label:* MP\_REF  
*Attribute\_Definition:* Range of mileage to play in VisiData  
*Attribute\_Definition\_Source:* Contractor Post-processing

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*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.030

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050726

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* EFLHD Sterling

*Contact\_Person:* Dan VanGilder

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name:* ESRI Metadata Profile

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# deva\_mi

Metadata also available as

## Metadata:

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

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* The TSR Group

*Publication\_Date:* 2005

*Title:* deva\_mi

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Routes

*Purpose:* Road Inventory Program

##### *Supplemental\_Information:*

Data created by The TSR Group from GPS coordinates provided in the PMS\_20 table. The shapefile is processed to aggregate adjacent segments with the same PCR rating provided in the PMS\_mile table.

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 2005

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -117.457832

*East\_Bounding\_Coordinate:* -116.427002

*North\_Bounding\_Coordinate:* 37.061054

*South\_Bounding\_Coordinate:* 35.899754

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DEVA

*Theme\_Keyword:* DEVA

*Access\_Constraints:* None

*Use\_Constraints:* Redistribution needs permission from EFLHD/NPS

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Native\_Data\_Set\_Environment:*

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

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for routes

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* String

*Point\_and\_Vector\_Object\_Count:* 57

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000000

*Longitude\_Resolution:* 0.000000

*Geographic\_Coordinate\_Units:* Decimal degrees

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1927

*Ellipsoid\_Name:* Clarke 1866

*Semi-major\_Axis:* 6378206.400000  
*Denominator\_of\_Flattening\_Ratio:* 294.978698

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* deva\_mi

*Attribute:*

*Attribute\_Label:* FID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* Shape

*Attribute\_Definition:* Feature geometry.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

*Attribute:*

*Attribute\_Label:* LENGTH

*Attribute\_Definition:* Length of feature

*Attribute\_Definition\_Source:* ESRI

*Attribute:*

*Attribute\_Label:* ID

*Attribute:*

*Attribute\_Label:* RTE\_NO

*Attribute\_Definition:* Route number

*Attribute\_Definition\_Source:* Route ID Meeting

*Attribute:*

*Attribute\_Label:* RT\_LENGTH

*Attribute\_Definition:* Collected route length

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* PCRMI

*Attribute\_Definition:* Numeric PCR definition

*Attribute\_Domain\_Values:*

*Range\_Domain:*

*Range\_Domain\_Minimum:* 0

*Range\_Domain\_Maximum:* 100

*Attribute:*

*Attribute\_Label:* PCR\_RATEMI

*Attribute\_Definition:* Verbal PCR definition

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* POOR

*Enumerated\_Domain\_Value\_Definition:* PCR value <= 60

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* FAIR

*Enumerated\_Domain\_Value\_Definition:* PCR value 61-84

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* GOOD

*Enumerated\_Domain\_Value\_Definition:* PCR value 85-94

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* EXCELLENT

*Enumerated\_Domain\_Value\_Definition:* PCR value 95-100

*Attribute:*

*Attribute\_Label:* TSR\_EDIT

*Attribute\_Definition:* Indicates whether feature has been edited for graphic purposes.

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 1

*Enumerated\_Domain\_Value\_Definition:* Edit has been made to feature for graphic purposes

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 0

*Enumerated\_Domain\_Value\_Definition:* No edit made to feature.

*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.016

*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050726

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* EFLHD Sterling

*Contact\_Person:* Dan VanGilder

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

*Metadata\_Extensions:*



*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>  
*Profile\_Name:* ESRI Metadata Profile

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# deva\_seg

Metadata also available as

## Metadata:

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

#### *Citation:*

##### *Citation\_Information:*

*Originator:* The TSR Group

*Publication\_Date:* 2005

*Title:* deva\_seg

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Routes

*Purpose:* Road Inventory Program

##### *Supplemental\_Information:*

Data created by The TSR Group from GPS coordinates provided in the PMS\_20 table. The shapefile is processed to aggregate adjacent segments with the same PCR rating.

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 2005

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -117.457832

*East\_Bounding\_Coordinate:* -116.427002

*North\_Bounding\_Coordinate:* 37.061054

*South\_Bounding\_Coordinate:* 35.899754

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DEVA

*Theme\_Keyword:* DEVA

*Access\_Constraints:* None

*Use\_Constraints:* Redistribution needs permission from EFLHD/NPS

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

*Contact\_Voice\_Telephone:* 703-404-6361

*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov

*Native\_Data\_Set\_Environment:*

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

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for routes

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* String

*Point\_and\_Vector\_Object\_Count:* 565

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000000

*Longitude\_Resolution:* 0.000000

*Geographic\_Coordinate\_Units:* Decimal degrees

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1927

*Ellipsoid\_Name:* Clarke 1866

*Semi-major\_Axis*: 6378206.400000  
*Denominator\_of\_Flattening\_Ratio*: 294.978698

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*Entity\_and\_Attribute\_Information*:

*Detailed\_Description*:

*Entity\_Type*:

*Entity\_Type\_Label*: deva\_seg

*Attribute*:

*Attribute\_Label*: FID

*Attribute\_Definition*: Internal feature number.

*Attribute\_Definition\_Source*: ESRI

*Attribute\_Domain\_Values*:

*Unrepresentable\_Domain*:

Sequential unique whole numbers that are automatically generated.

*Attribute*:

*Attribute\_Label*: Shape

*Attribute\_Definition*: Feature geometry.

*Attribute\_Definition\_Source*: ESRI

*Attribute\_Domain\_Values*:

*Unrepresentable\_Domain*: Coordinates defining the features.

*Attribute*:

*Attribute\_Label*: LENGTH

*Attribute\_Definition*: Length of feature

*Attribute\_Definition\_Source*: ESRI

*Attribute*:

*Attribute\_Label*: ID

*Attribute*:

*Attribute\_Label*: RTE\_NO

*Attribute\_Definition*: Route number

*Attribute\_Definition\_Source*: Route ID Meeting

*Attribute*:

*Attribute\_Label*: RT\_LENGTH

*Attribute\_Definition*: Collected route length

*Attribute\_Definition\_Source*: ARAN Data Collection

*Attribute*:

*Attribute\_Label*: PCR\_RATEAV

*Attribute\_Definition*:

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

*Attribute\_Domain\_Values*:

*Range\_Domain*:

*Range\_Domain\_Minimum*: 0

*Range\_Domain\_Maximum*: 100

*Attribute*:

*Attribute\_Label*: PCRAV

*Attribute\_Definition*: Verbal PCR definition based on value in PCRAV field

*Attribute\_Domain\_Values*:

*Enumerated\_Domain*:

*Enumerated\_Domain\_Value*: POOR



*Enumerated\_Domain\_Value\_Definition:* PCR value <= 60  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* FAIR  
*Enumerated\_Domain\_Value\_Definition:* PCR value 61-84  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* GOOD  
*Enumerated\_Domain\_Value\_Definition:* PCR value 85-94  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* EXCELLENT  
*Enumerated\_Domain\_Value\_Definition:* PCR value 95-100

*Attribute:*

*Attribute\_Label:* TSR\_EDIT  
*Attribute\_Definition:* Indicates whether feature has been edited for graphic purposes.  
*Attribute\_Domain\_Values:*  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 1  
*Enumerated\_Domain\_Value\_Definition:* Edit has been made to feature for graphic purposes  
*Enumerated\_Domain:*  
*Enumerated\_Domain\_Value:* 0  
*Enumerated\_Domain\_Value\_Definition:* No edit made to feature.

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*Distribution\_Information:*

*Resource\_Description:* Downloadable Data  
*Standard\_Order\_Process:*  
*Digital\_Form:*  
*Digital\_Transfer\_Information:*  
*Transfer\_Size:* 0.016

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050726  
*Metadata\_Contact:*  
*Contact\_Information:*  
*Contact\_Organization\_Primary:*  
*Contact\_Organization:* EFLHD Sterling  
*Contact\_Person:* Dan VanGilder  
*Contact\_Position:* GIS Coordinator  
*Contact\_Address:*  
*Address\_Type:* mailing and physical address  
*City:* Sterling  
*State\_or\_Province:* Virginia  
*Postal\_Code:* 20166  
*Country:* United States  
*Contact\_Voice\_Telephone:* 703-404-6361  
*Contact\_Electronic\_Mail\_Address:* dvangilder@fhwa.dot.gov  
*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata  
*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name:* ESRI Metadata Profile

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