



The Road Inventory of Mount Rainier National Park MORA - 9450



national park service



Road Inventory Program

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



Mount Rainier National Park in Washington

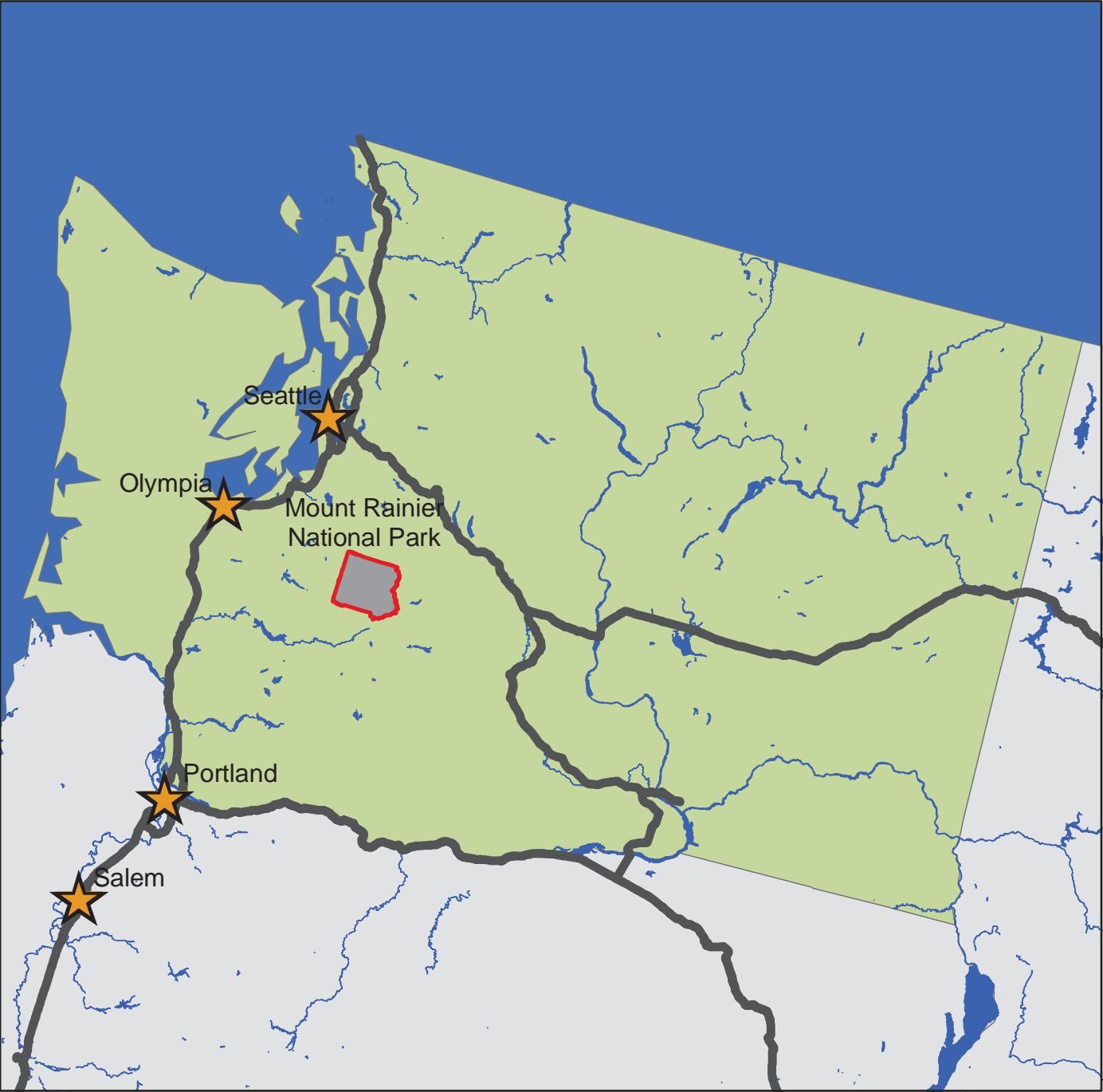




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INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

FHWA RIP Coordinator:

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

Mount Rainier National Park Summaries

Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
Paved ARAN Driven Route Miles	84.13	9/10/2001
Unpaved Estimated Route Miles	27.45	9/10/2001
Paved ARAN and Unpaved Route Miles	111.58	
Paved ARAN Driven Lane Miles	164.20	9/10/2001
Paved MRR Lane Miles	14.77	9/10/2001
Parking Lot Lane Miles	21.74	9/10/2001
Total Paved Lane Miles	200.72	

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)

Mount Rainier 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	15.15	\$454,500
Good	20.49	\$2,253,900
Fair	33.45	\$18,732,000
Poor	15.04	\$23,161,600
Totals	84.13	\$44,602,000

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).

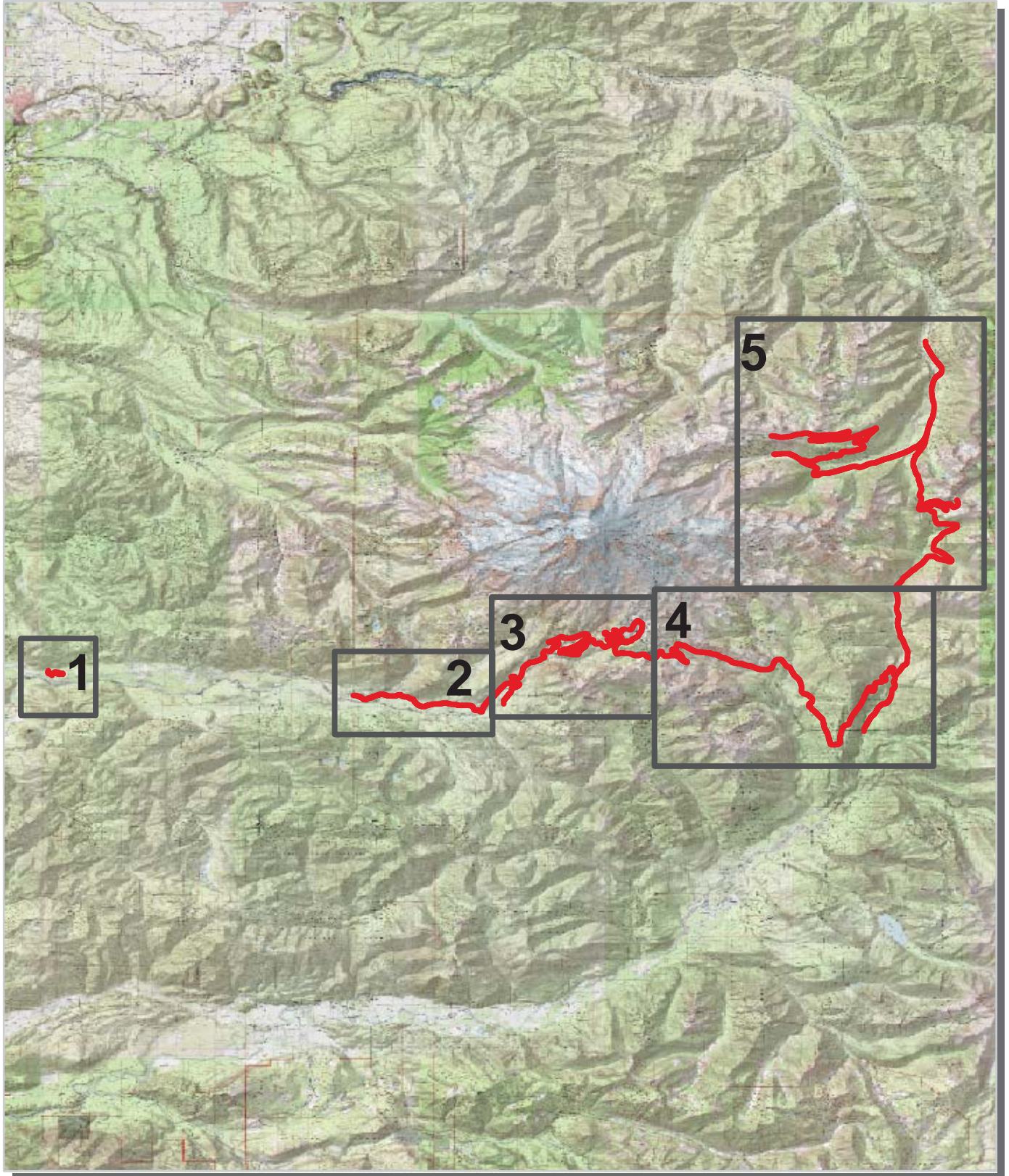
These numbers are for preliminary planning purposes only and should not be used for project level proposals. For park planning level analysis, apply your park multiplier for more accurate regional costs.

Mount Rainier National Park Summaries

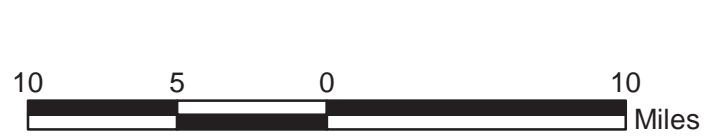
Paved Route Miles and Percentages by Functional Class and PCR for ARAN Driven Paved Roads

F.C.	Pavement Condition Rating								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	11.70	13.91%	31.42	37.35%	19.55	23.24%	14.62	17.38%	77.29
2	1.55	1.84%	1.42	1.69%	0.84	1.00%	0.45	0.53%	4.26
3									
4									
5	0.93	1.11%	0.05	0.06%	0.06	0.07%	0.04	0.05%	1.08
6	0.86	1.02%	0.56	0.67%	0.04	0.05%	0.04	0.05%	1.50
7									
8									
Totals	15.04	17.88%	33.45	39.76%	20.49	24.36%	15.15	18.01%	84.13

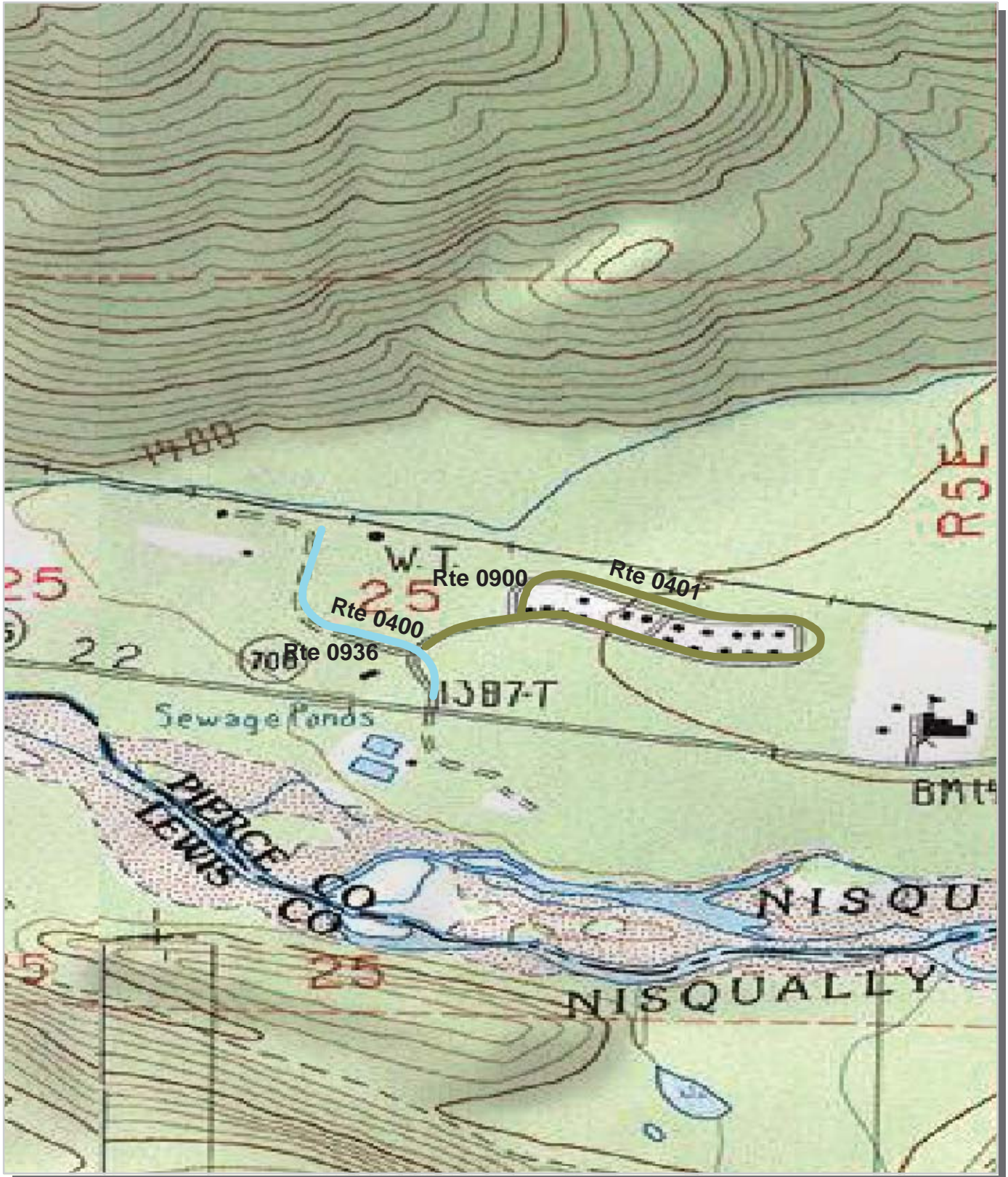
Mount Rainier National Park Route Location Key Map



 Park Owned Routes



Mount Rainier National Park Route Location Area Map 1



Unique colors used to differentiate routes



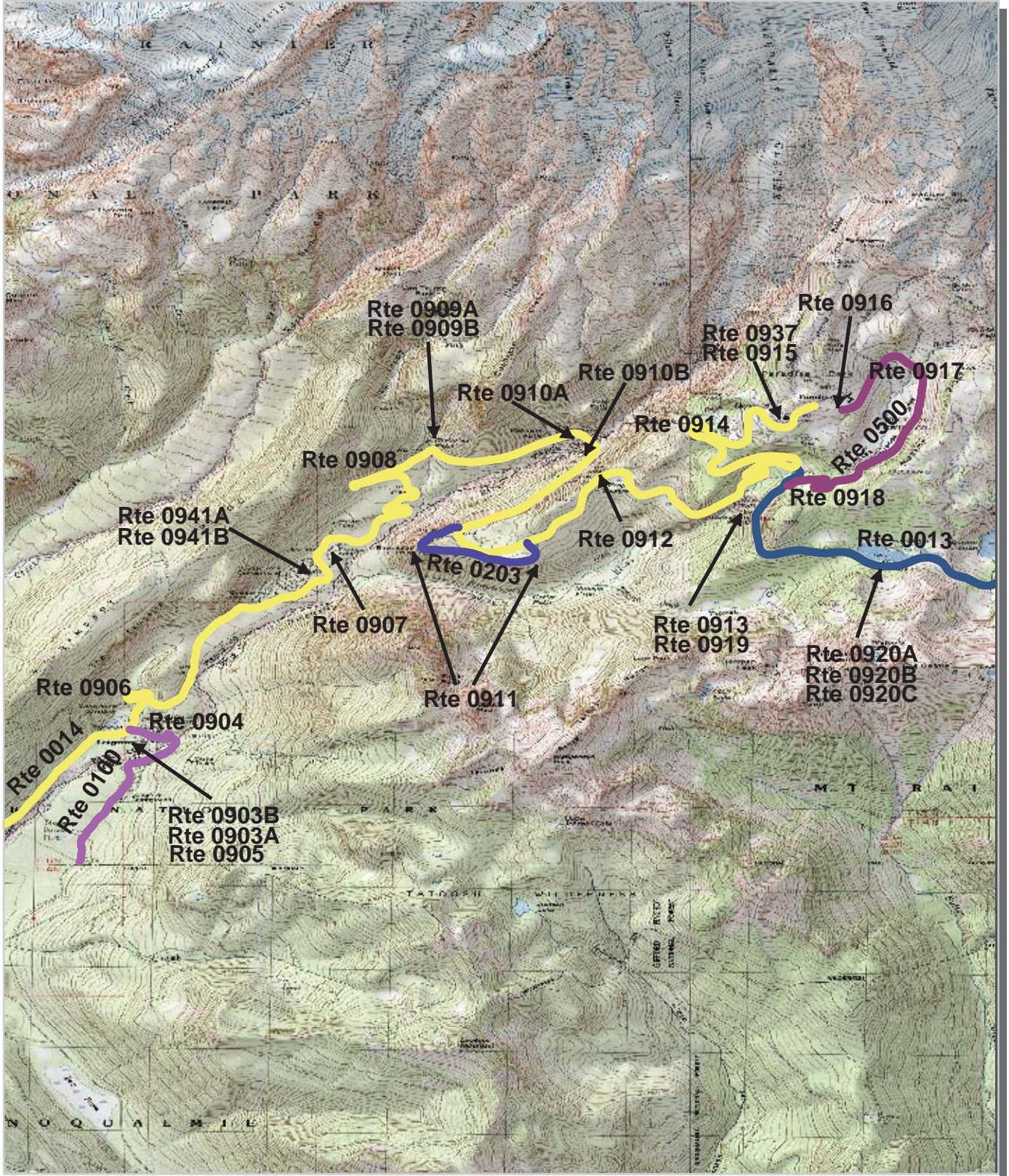
Mount Rainier National Park Route Location Area Map 2



Unique colors used to differentiate routes



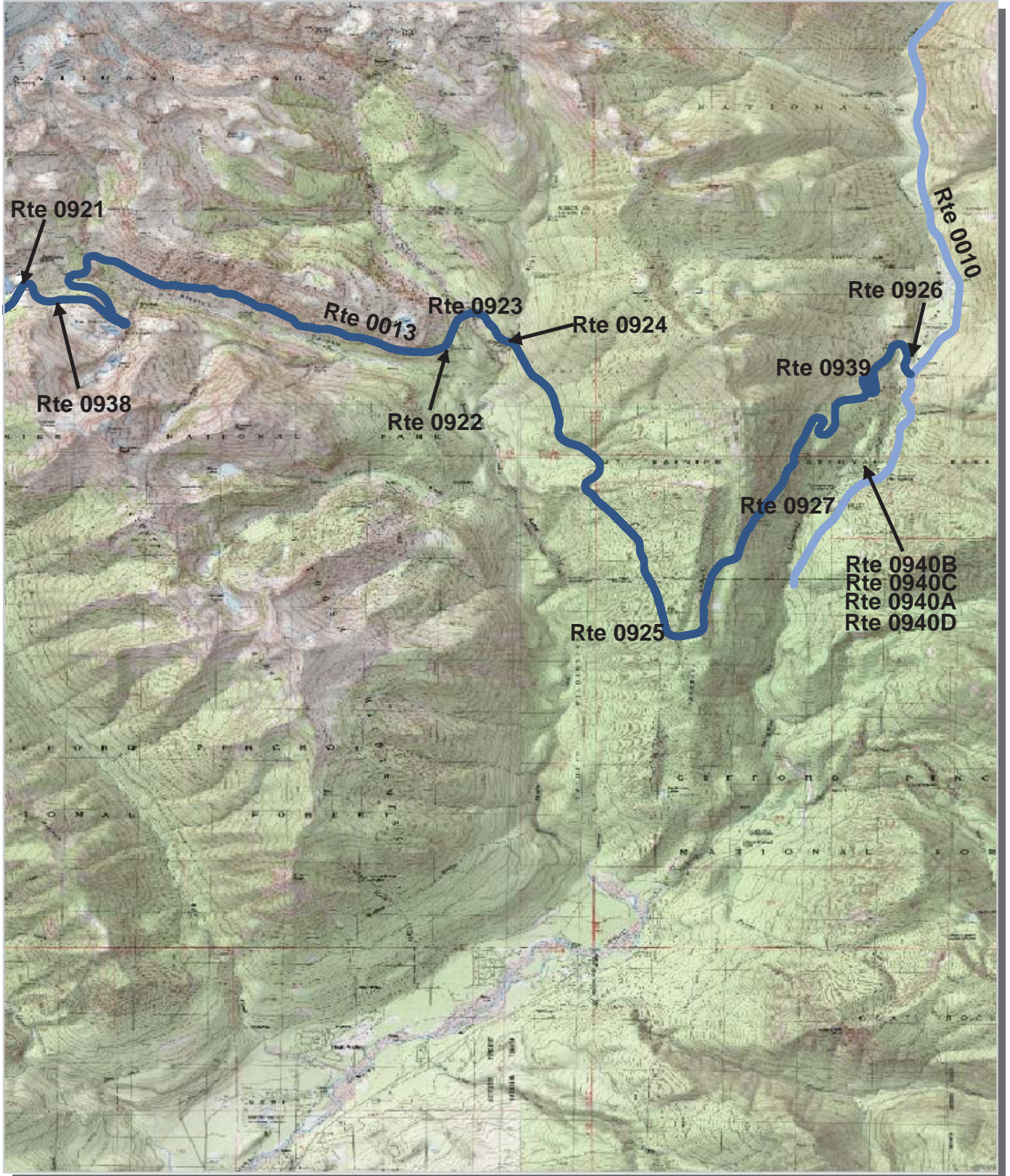
Mount Rainier National Park Route Location Area Map 3



Unique colors used to differentiate routes



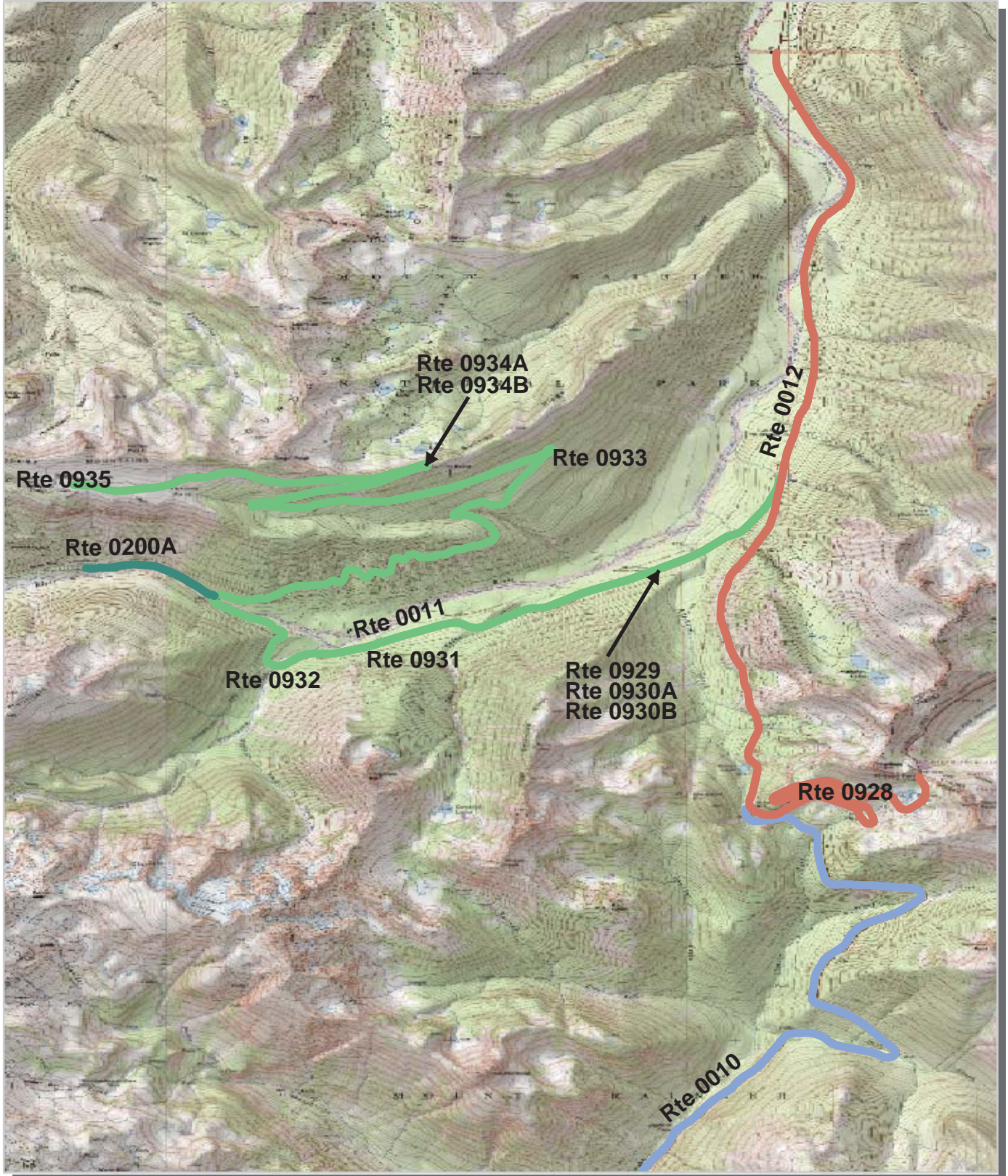
Mount Rainier National Park Route Location Area Map 4



Unique colors used to differentiate routes



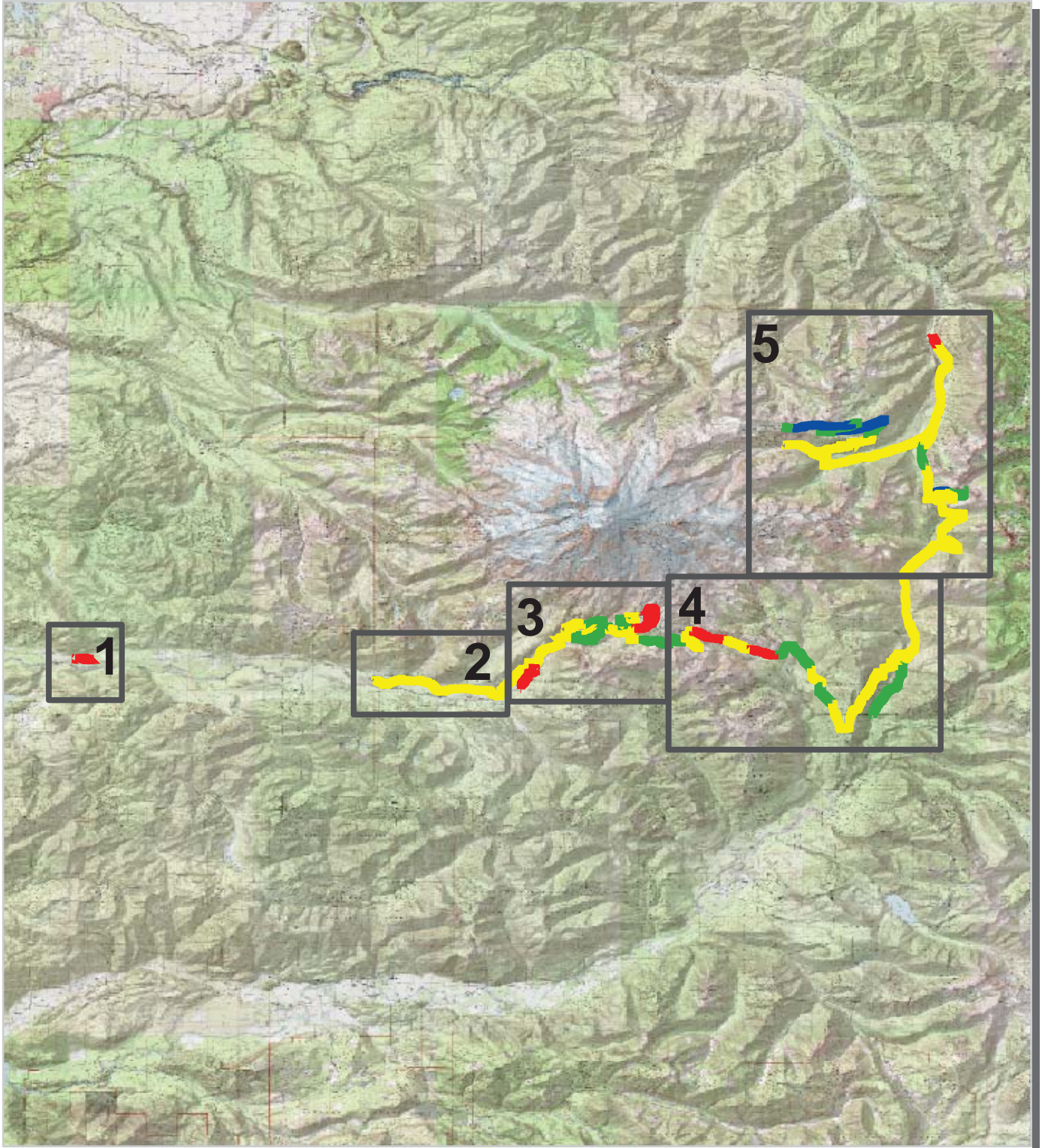
Mount Rainier National Park Route Location Area Map 5







Unique colors used to differentiate routes



Mount Rainier National Park Route Condition Key Map PCR - Mile by Mile

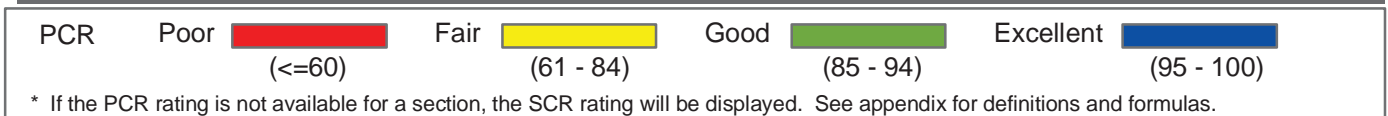
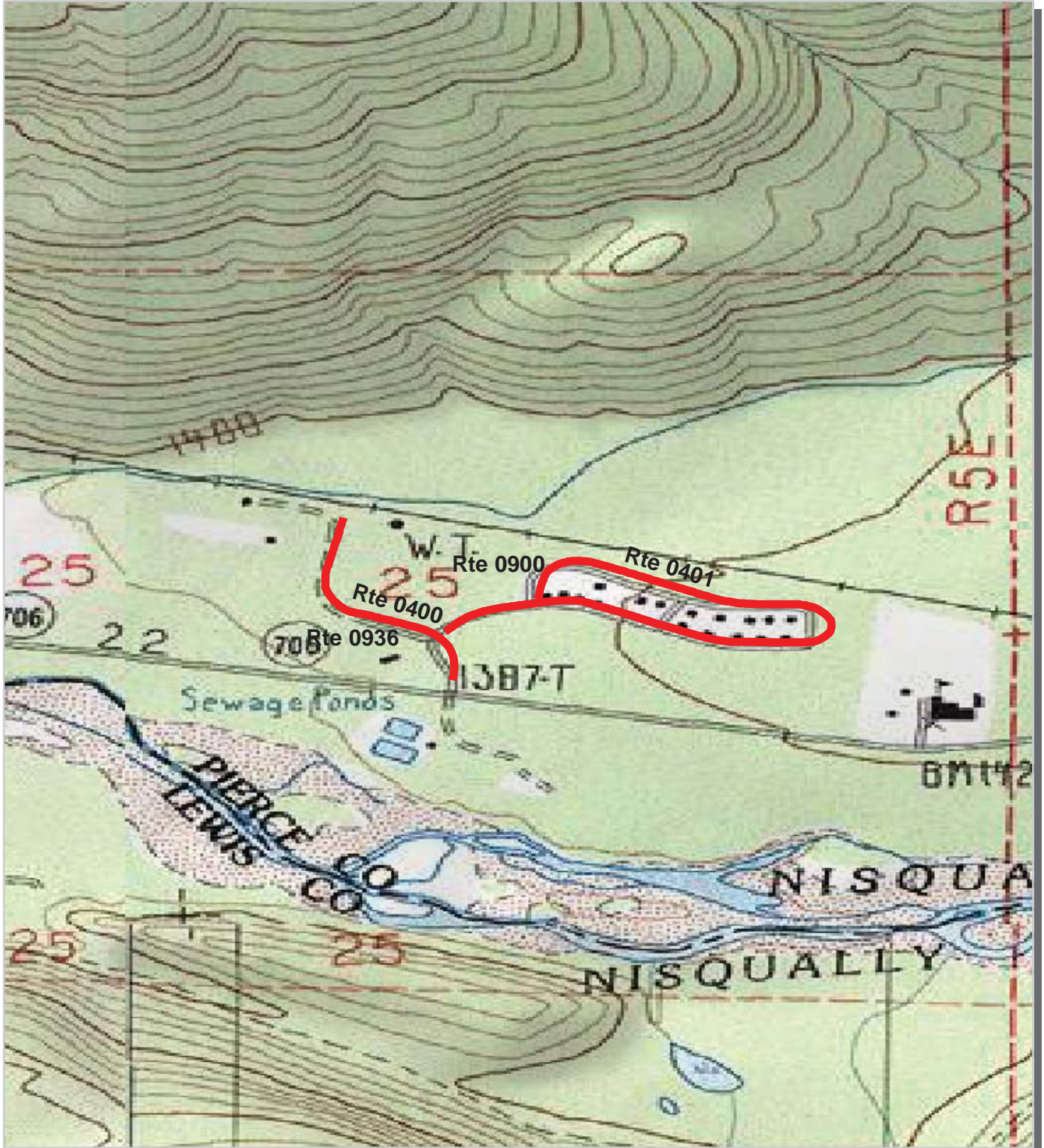


PCR	Poor		Fair		Good		Excellent	
		(<=60)		(61 - 84)		(85 - 94)		(95 - 100)

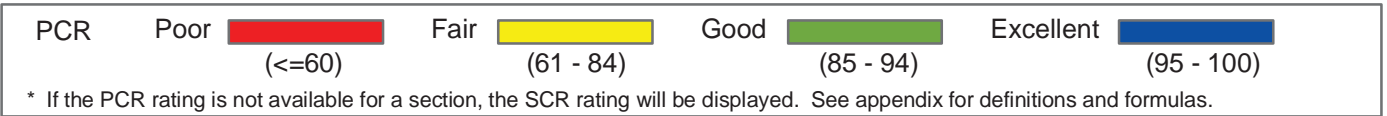
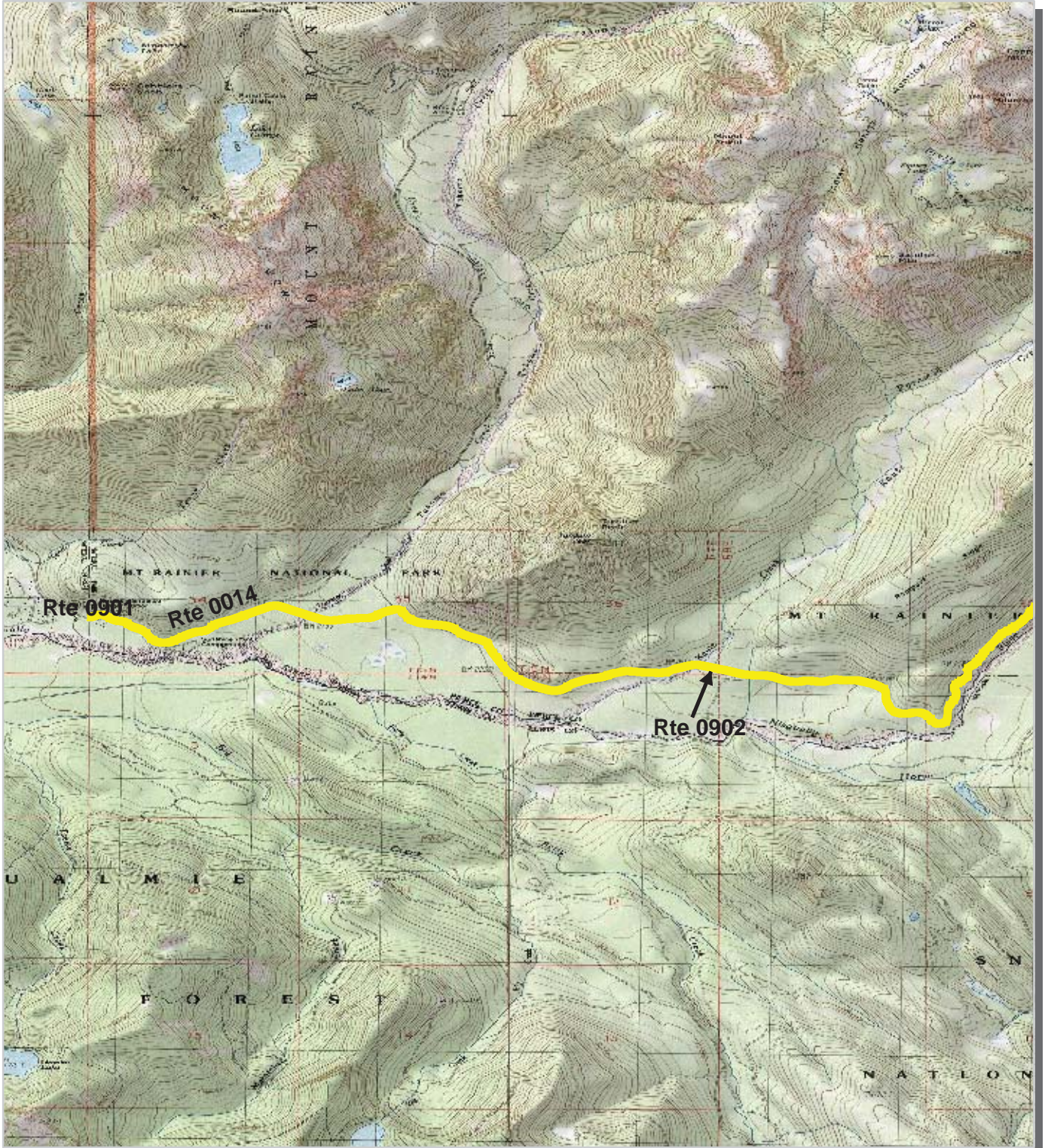
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.



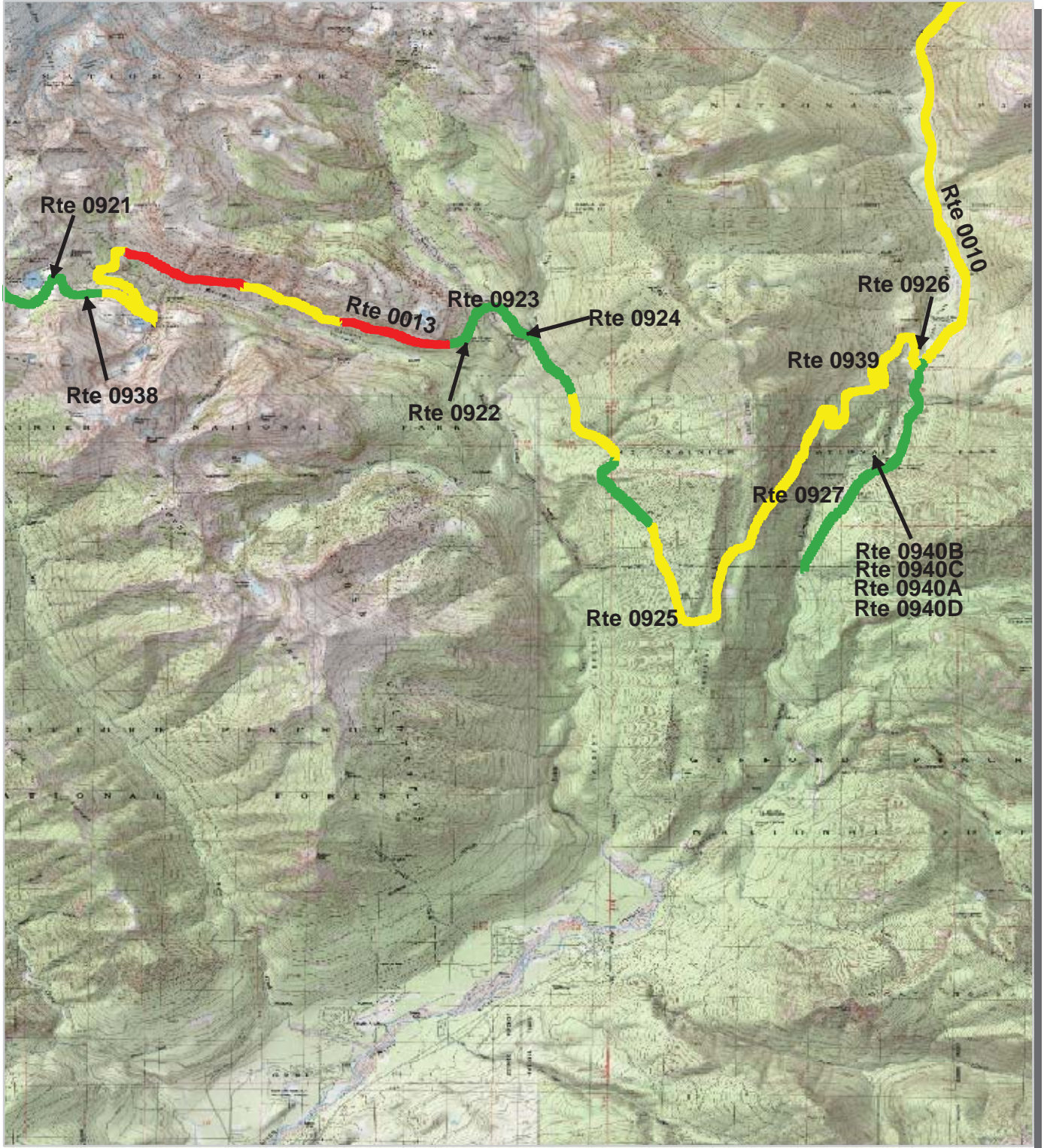
Mount Rainier National Park Route Condition Area Map 1 PCR - Mile by Mile







Mount Rainier National Park Route Condition Area Map 2 PCR - Mile by Mile



Mount Rainier National Park Route Condition Area Map 4 PCR - Mile by Mile

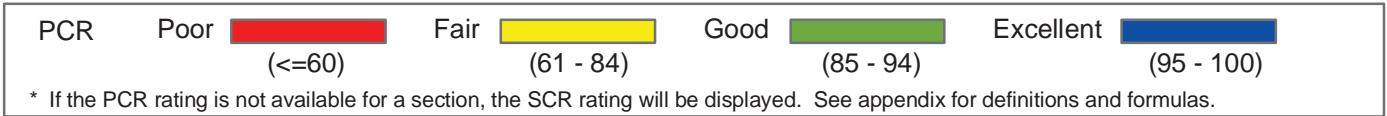
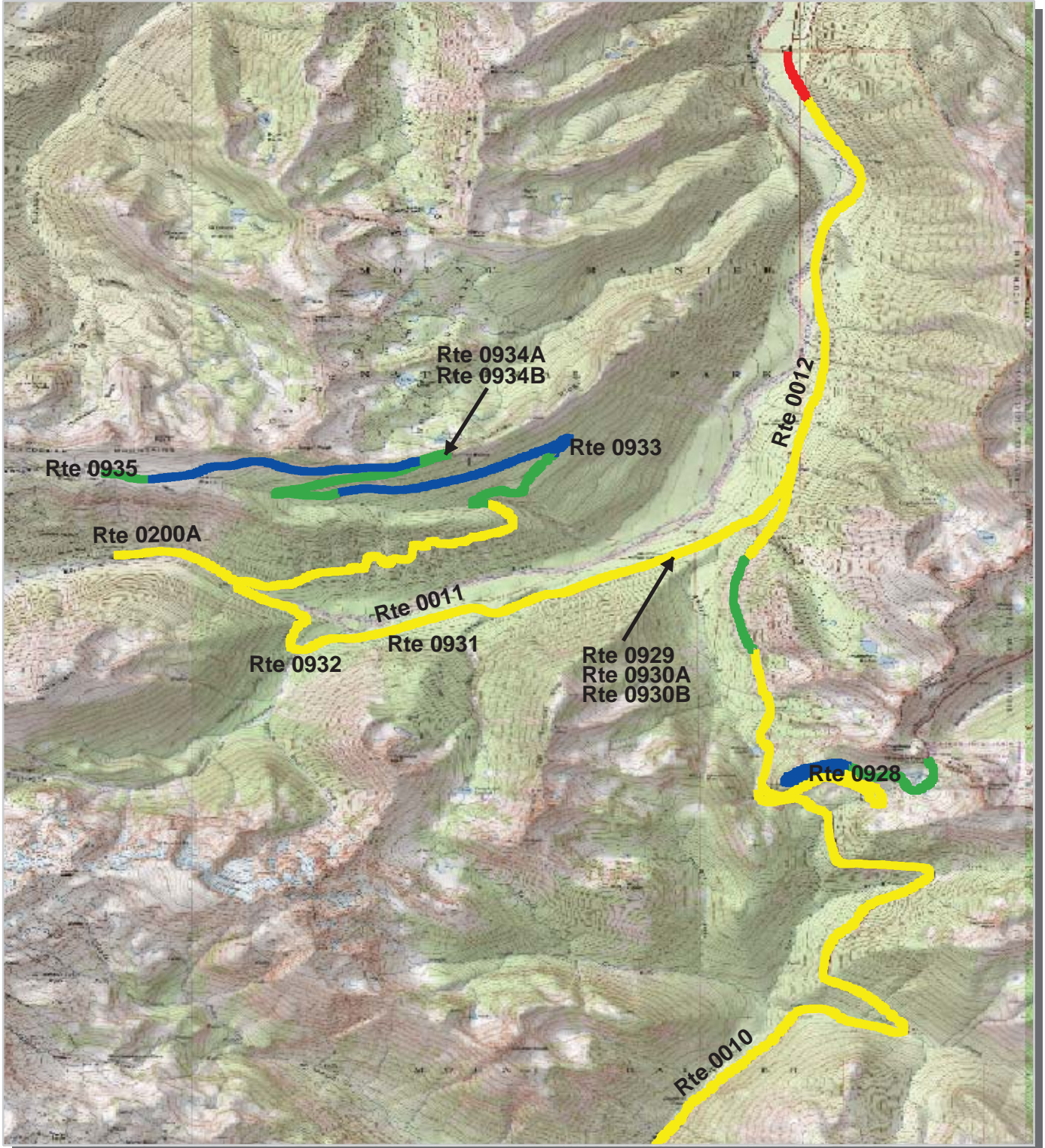


PCR	Poor		Fair		Good		Excellent	
		(≤ 60)		(61 - 84)		(85 - 94)		(95 - 100)

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



Mount Rainier National Park Route Condition Area Map 5 PCR - Mile by Mile



NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes approx. mileage

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

MORA

Mount Rainier 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	20219	State Route 123 (Mount Rainier Park Road)	From South Park Boundary	To Route 0012 (State Route 410)	13.85	0.00	13.85	1	2	0	AS
0011	20220	Sunrise Road	From Route 0012 at MP 7.0	To Route 0935 (Sunrise Lodge Parking)	15.35	0.00	15.35	1	2	0	AS
0012	20222	State Route 410 (Mather Memorial Parkway)	From East Park Entrance (Tipsoo Lake) North	To North Park Entrance	11.53	0.00	11.53	1	2	0	AS
0013	20224	Stevens Canyon Road	From Route 0014 at MP 15.48	To Route 0010	18.99	0.00	18.99	1	2	0	AS
0014	20141	State Route 706 (Nisqually-Paradise Road)	From West Park Entrance	To Route 0916, Paradise Lodge Parking	17.57	0.00	17.57	1	2	0	AS
0100	20211	Longmire Backroad	From Route 0014 at MP 6.45	To Gate	1.50	0.00	1.50	6	2	0	AS
0101	20196	West Side Road	From Route 0014 North	To Klapatche Point	0.00	15.08	15.08	2	2	0	GR
0102	20331	Carbon River Entrance Road	From West Park Boundary	To Ispit Creek Ranger Station	0.00	5.45	5.45	2	2	0	GR
0200A	20335	White River Campground Road	From Route 0011 at MP 5.28	To Route 0200B	1.02	0.00	1.02	2	2	0	AS
0200B	40231	White River Campground	From End of Route 0200A	Through Campground	1.81	0.00	1.81	3	1	112,392	AS
0201	20194	Sunshine Point Campground	From Route 0014 at MP 0.42	Through Campground	0.97	0.00	0.97	3	2	56,594	AS
0202	20215	Paradise Picnic Area Road	From Route 0014 at MP 16.8	To Route 0014 at MP 17.18	0.86	0.00	0.86	3	2	159,804	AS
0203	20206	Miller Cutoff	From Route 0014 East Intersection	To Route 0014 West Intersection	1.03	0.00	1.03	2	1	0	AS
0204	20204	Longmire Campground Road	From Route 0100	Through Campground	0.00	0.94	0.94	4	2	0	GR
0205	20199	Cougar Rock Campground	From Route 0014 at MP 8.56	To Route 0205F	0.39	0.00	0.39	3	2	53,676	AS
0205A		Cougar Rock Campground Loop A	From Route 0205	To End of Loop A	0.27	0.00	0.27	3	1	18,739	AS
0205B		Cougar Rock Campground Loop B	From Route 0205	To End of Loop B	0.30	0.00	0.30	3	1	20,592	AS
0205C		Cougar Rock Campground Loop C	From Route 0205	To End of Loop C	0.35	0.00	0.35	3	1	24,161	AS
0205D		Cougar Rock Campground Loop D	From Route 0205	To End of Loop D	0.39	0.00	0.39	3	1	26,770	AS
0205E		Cougar Rock Campground Loop E	From Route 0205	To Route 0205	0.24	0.00	0.24	3	1	16,748	AS
0205F		Cougar Rock Campground Loop F	From End of Route 0205	To End of Loop F	0.44	0.00	0.44	3	1	30,202	AS
0205FA		Cougar Rock Campground Loop F Bisector	From Route 0205F	To Route 0205F	0.03	0.00	0.03	3	1	2,265	AS
0206	20225	Ohanapecosh Campground	From Route 0010 at MP 1.1	To Route 0206G	0.66	0.00	0.66	3	2	66,211	AS
0206A		Ohanapecosh Campground Loop A	From Route 0206	To End of Loop A	0.49	0.00	0.49	3	2	49,257	AS
0206B		Ohanapecosh Campground Loop B	From Route 0206	To End of Loop B	0.25	0.00	0.25	3	2	24,578	AS
0206C		Ohanapecosh Campground Loop C	From Route 0206	To End of Loop C	0.28	0.00	0.28	3	2	27,688	AS

NPS/RIP Route ID Report

(Numerical By Route #)

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Mount Rainier 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							
0206CA		Ohanapecosh Campground Loop C Bisector	From Route 0206C	To Route 0206C	0.04	0.00	0.04	3	2	4,013	AS
0206D		Ohanapecosh Campground Loop D	From Route 0206F	To Route 0206	0.15	0.00	0.15	3	2	15,349	AS
0206E		Ohanapecosh Campground Loop E	From Route 0206	To Route 0206	0.25	0.00	0.25	3	2	25,180	AS
0206F		Ohanapecosh Campground Loop F	From Route 0206	To End of Loop F	0.23	0.00	0.23	3	2	23,274	AS
0206G		Ohanapecosh Campground Loop G	From End of Route 0206	To End of Loop G	0.32	0.00	0.32	3	2	32,002	AS
0206H		Ohanapecosh Campground Loop H	From Route 0206	To Route 0206	0.15	0.00	0.15	3	2	14,546	AS
0207	20227	Mowich Road	From West Park Boundary	To Mowich Lake Ranger Station	0.00	5.74	5.74	3	2	0	GR
0209	20237	Sunrise Picnic Area	From Route 0935 (West End of Lodge)	To End of Loop	0.38	0.00	0.38	3	2	35,735	AS
0400	20190	Tahoma Woods Administrative Road	From State Route 706 (10 miles West of Nisqually Entrance, past Ashford)	To Greenhouse	0.31	0.00	0.31	5	2	0	OC
0401		Tahoma Woods Residential Road	From Route 0400	To End of Loop	0.77	0.00	0.77	5	2	0	OC
0401A		Tahoma Woods Residential Road Bisector	From Route 0401 at MP 0.22	To Route 0401 at MP 0.56	0.06	0.00	0.06	5	2	6,910	AS
0402	40233	Sunrise Service Road	From Generator Road	To End	0.00	0.24	0.24	6	2	0	GR
0403	40234	Tahoma Woods Sewage Treatment Road	From State Route 706 (10 miles West of Nisqually Entrance, past Ashford)	To End at Plant (need key)	0.05	0.00	0.05	5	1	4,752	AS
0404	40235	Longmire Sewage Treatment Road	From Route 0100 at MP 1.2	To End at Plant	0.10	0.00	0.10	5	1	6,596	AS
0500	20234	Valley Road	From Route 0916	To Route 0013	2.21	0.00	2.21	2	1	0	AS
0900	40236	Tahoma Woods Residential Parking and Loop Bisector	Adjacent to Route 0401 at MP 0.74 on Right		0.00	0.00	0.00	9	0	2,875	AS
0901	40237	Nisqually Entrance Service Area Parking	From Route 0014 at MP 0.01	To Parking	0.00	0.00	0.00	9	0	6,979	AS
0902	20241	Kuatz Creek Trailhead Parking	From Route 0014 at MP 3.40	To Parking	0.00	0.00	0.00	9	0	17,750	AS
0903A	20243	Longmire Ranger Station Loop Parking A	From Route 0014 at MP 6.40	To Route 0100	0.00	0.00	0.00	9	0	55,688	AS
0903B		Longmire Ranger Station Loop Parking B	From Route 0014 at MP 6.44	To Route 0100	0.00	0.00	0.00	9	0	6,165	AS
0904	20201	Longmire Residence Area Parking	From Route 0100 on Left and Right	To Residences	0.00	0.00	0.00	9	0	64,554	AS
0905	20202	Longmire Maintenance Area Parking	From Route 0100 at MP 0.1	Through Maintenance Area	0.00	0.00	0.00	9	0	106,652	AS
0906	20245	Wonderland Trail Parking	From Route 0014 at MP 6.8	To Parking	0.00	0.00	0.00	9	0	4,848	AS
0907	20246	Cougar Rock Picnic Area Parking	From Route 0014 at MP 8.56	To End of Loop	0.00	0.00	0.00	9	0	51,750	AS
0908	20247	Van Trump Park Trailhead Parking	From Route 0014 at MP 10.4	To Parking	0.00	0.00	0.00	9	0	7,975	AS
0909A	20249	Christine Falls Viewpoint Parking A	From Route 0014 at MP 10.66	To Parking	0.00	0.00	0.00	9	0	1,124	AS

NPS/RIP Route ID Report

(Numerical By Route #)

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Mount Rainier 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							
0909B		Christine Falls Viewpoint Parking B	From Route 0014 at MP 10.72	To Parking	0.00	0.00	0.00	9	0	980	AS
0910A	20251	Glacier Hill Chainup Parking A	From Route 0014 at MP 11.50	To Parking	0.00	0.00	0.00	9	0	23,597	AS
0910B		Glacier Hill Chainup Parking B	From Route 0014 at MP 11.80	To Parking	0.00	0.00	0.00	9	0	9,783	AS
0911	20252	Rick Sacker Point Parking	From Route 203 (All Pulloffs along this Route)	To Parking	0.00	0.00	0.00	9	0	34,816	AS
0912	20253	Canyon Rim Viewpoint Parking	From Route 0014 at MP 13.8	To Parking	0.00	0.00	0.00	9	0	14,682	AS
0913	20254	Narada Falls Parking	From Route 0014 at MP 14.7	To Parking	0.00	0.00	0.00	9	0	45,311	AS
0914	20255	Paradise Wastewater Treatment Plant Parking	From Route 0014 at MP 16.6	To Parking	0.00	0.00	0.00	9	0	5,874	AS
0915	20256	Paradise Visitor Center Parking	From Route 0014 at MP 17.36	To Parking	0.00	0.00	0.00	9	0	73,481	AS
0916	20257	Paradise Lodge Parking	From End of Route 0014 at MP 17.57	To Beginning of Route 0500	0.00	0.00	0.00	9	0	227,677	AS
0917	20258	Fourth Crossing Parking	From Route 0500 at MP 0.7	To Parking	0.00	0.00	0.00	9	0	13,408	AS
0918	20259	Lakes Trail Parking	From Route 0500 at MP 1.86	To Parking	0.00	0.00	0.00	9	0	7,707	AS
0919	20261	Inspiration Point Parking	From Route 0013 at MP 0.44	To Parking above Narada Falls	0.00	0.00	0.00	9	0	16,136	AS
0920A	20262	Reflection Lakes Parking A	Adjacent to Route 0013 at MP 1.30 on Left		0.00	0.00	0.00	9	0	7,889	AS
0920B		Reflection Lakes Parking B	Adjacent to Route 0013 at MP 1.40 on Right		0.00	0.00	0.00	9	0	5,805	AS
0920C		Reflection Lakes Parking C	Adjacent to Route 0013 at MP 1.47 on Left		0.00	0.00	0.00	9	0	7,145	AS
0921	20263	Louise Lake Parking	From Route 0013 at MP 2.3	To Parking	0.00	0.00	0.00	9	0	7,300	AS
0922	20264	Box Canyon Picnic Area Parking	From Route 0013 at MP 8.15	To Parking	0.00	0.00	0.00	9	0	18,799	AS
0923	20265	Box Canyon Overlook / Exhibit Parking	From Route 0013 at MP 8.6	To Parking	0.00	0.00	0.00	9	0	13,852	AS
0924	20266	Nickel Creek Parking	From Route 0013 at MP 9.1	To Parking	0.00	0.00	0.00	9	0	8,885	AS
0925	20267	Backbone Ridge Parking	From Route 0013 at MP 13.1	To Parking	0.00	0.00	0.00	9	0	21,038	AS
0926	20268	Grove of the Patriarchs Parking	From Route 0013 at MP 18.7	To Parking	0.00	0.00	0.00	9	0	10,450	AS
0927	20269	Ohenapeosh Ranger Station / Residence Area Parking	From Route 0206 at MP 0.05	Through Residences	0.00	0.00	0.00	9	0	82,276	AS
0928	20271	Tipsoo Lake Parking	From Route 0012 at MP 0.6	To Parking	0.00	0.00	0.00	9	0	43,561	AS
0929	20272	White River Ranger Service Area Parking	From Route 0011 at MP 1.3	To Parking	0.00	0.00	0.00	9	0	19,785	AS
0930A		White River Information Center Parking	From Route 0011 at MP 1.34	To Parking	0.00	0.00	0.00	9	0	12,503	AS
0930B		White River Information Center Parking B	From Route 0011 at MP 1.4	To Parking	0.00	0.00	0.00	9	0	2,223	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 =

MORA

Mount Rainier 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							
0931	20277	Owyhigh Lake Trail Parking	From Route 0011 at MP 3.56	To Parking	0.00	0.00	0.00	9	0	2,608	AS
0932	20278	Fryingpan Creek Parking	From Route 0011 at MP 4.24	To Parking	0.00	0.00	0.00	9	0	2,195	AS
0933	20280	Lower Yakima Parking	From Route 0011 at MP 9.2	To Parking	0.00	0.00	0.00	9	0	7,422	AS
0934A	20289	Sunrise Point Parking A	From Route 0011 at MP 12.75 on Left	To Parking	0.00	0.00	0.00	9	0	22,333	AS
0934B		Sunrise Point Parking B	From Route 0011 at MP 12.85 on Right	To Parking	0.00	0.00	0.00	9	0	1,870	AS
0935	20292	Sunrise Lodge Parking	At End of Route 0011		0.00	0.00	0.00	9	0	115,525	AS
0936	40227	Tahoma Woods Administration Parking	From Route 0400	To Route 0400	0.00	0.00	0.00	9	0	15,425	AS
0937	40228	Paradise Residence Road Parking	From Route 0915	To End	0.00	0.00	0.00	9	0	6,764	AS
0938	40229	Snow Lake Trail Parking	From Route 0013 at MP 2.8	To Parking	0.00	0.00	0.00	9	0	6,908	AS
0939	40230	Cowlitz Divide Trail Parking	From Route 0013 at MP 18.2	To Parking	0.00	0.00	0.00	9	0	2,342	AS
0940A		Ohanapecosh Campground Visitor Center Parking	Adjacent to Route 0206		0.00	0.00	0.00	9	0	2,517	AS
0940B		Ohanapecosh Campground Amphitheater Parking	Adjacent to Route 0206		0.00	0.00	0.00	9	0	2,959	AS
0940C		Ohanapecosh Campground Loop A Picnic Parking	From Route 0206A	To Parking	0.00	0.00	0.00	9	0	2,625	AS
0940D		Ohanapecosh Campground Loop B Parking	From Route 0206B	To Parking	0.00	0.00	0.00	9	0	3,724	AS
0941A		Cougar Rock Campground Ranger Station Parking	Adjacent to Route 0205		0.00	0.00	0.00	9	0	3,130	AS
0941B		Cougar Rock Campground Dump Station	From Route 0205	To Route 0205	0.00	0.00	0.00	9	0	3,212	AS
Totals:					93.59	27.45	121.04			2,120,918	

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 =	

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.

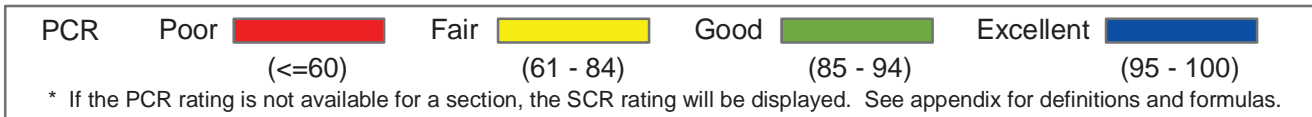
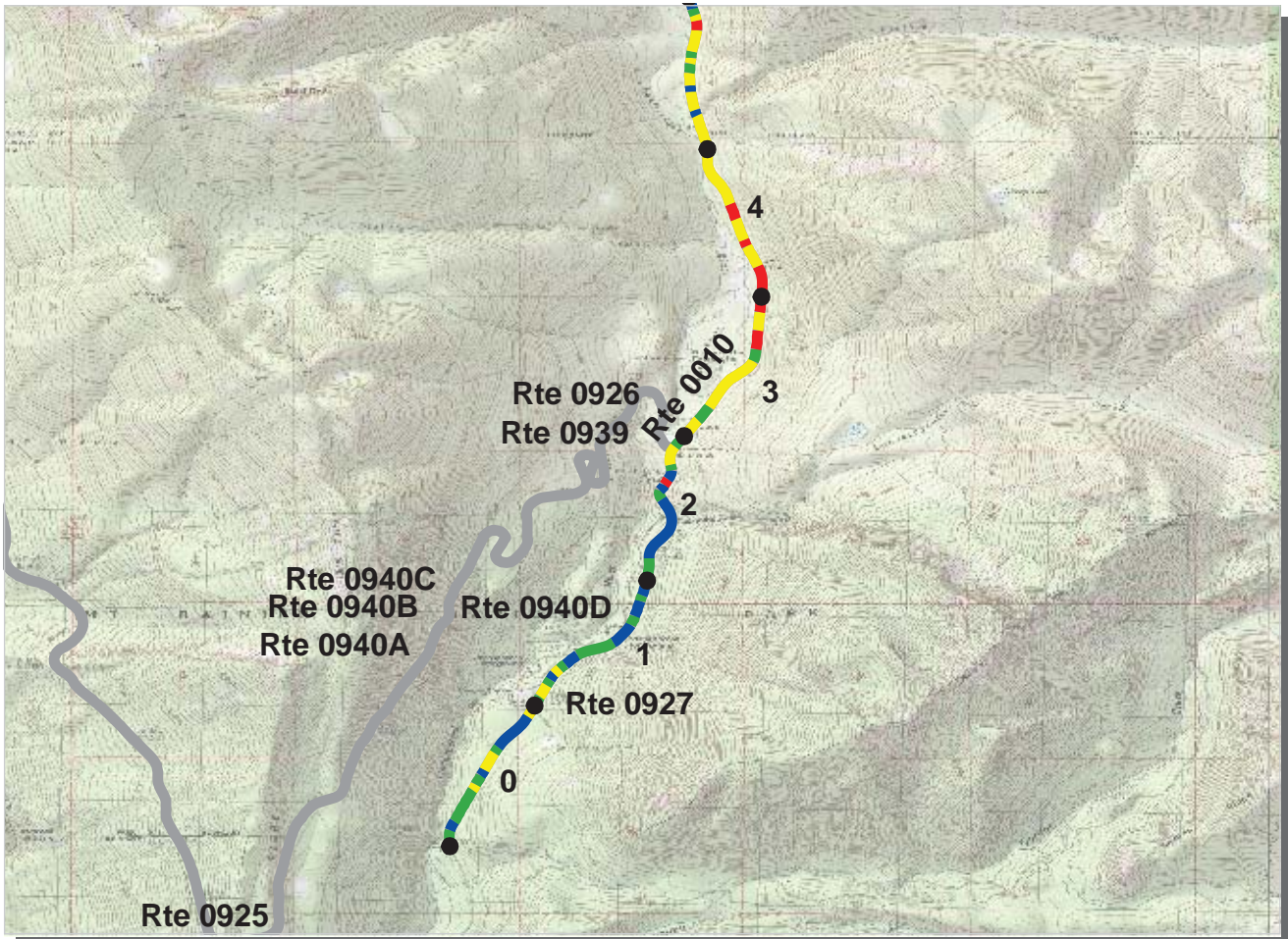
Surface Type Abbreviations:

- 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.



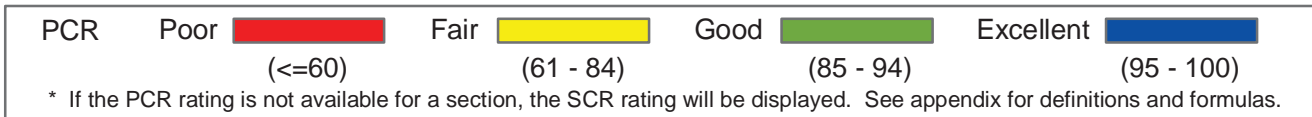
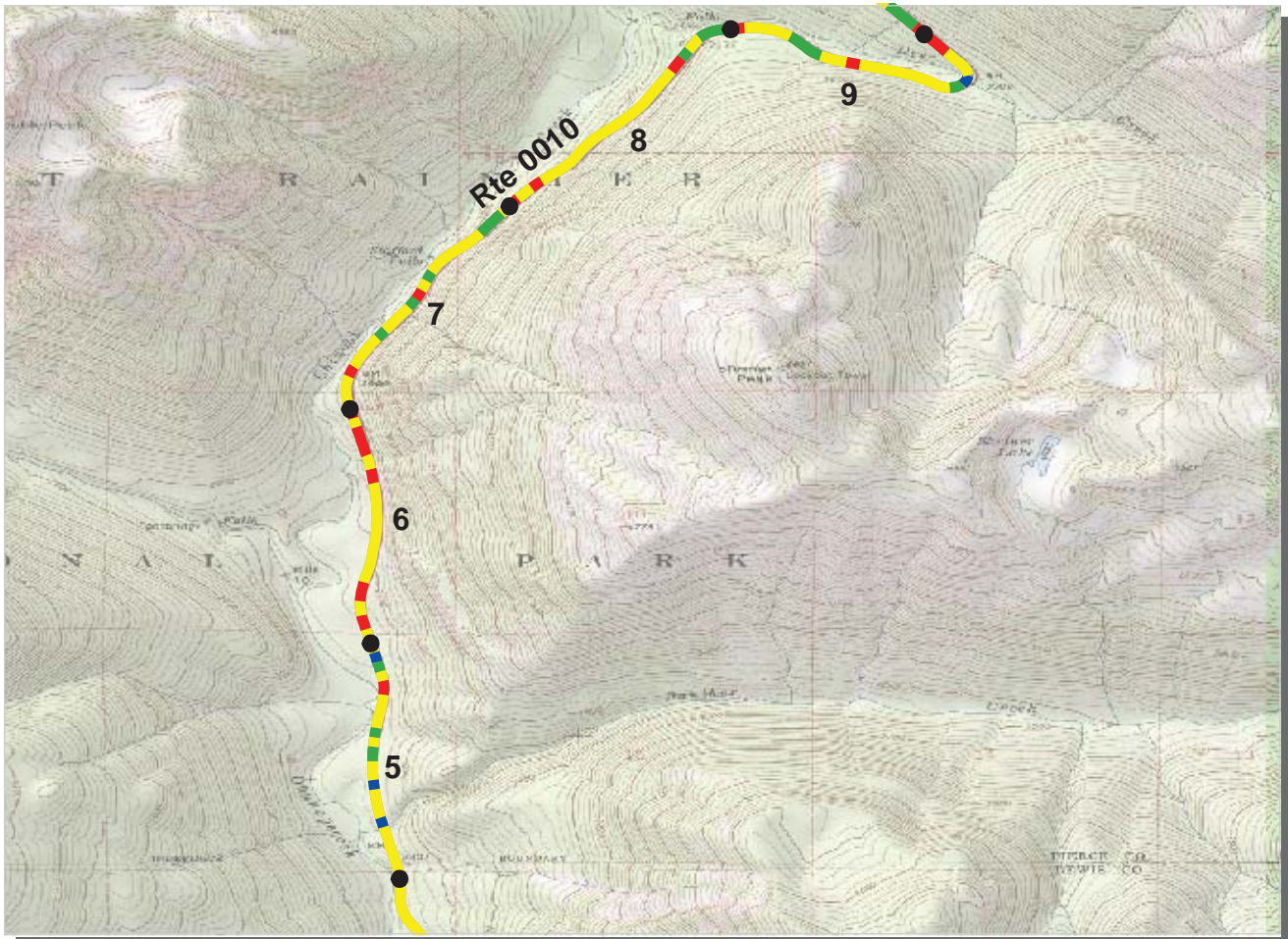
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0010 State Route 123 (Mount Rainier Park Road) TOTAL LENGTH: 13.85 Miles

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	22	21	22	20
Lane Width (ft)	11	11	9	12	9
Shoulder Width (ft)	2	2	2	1	2
Roadway Condition Information					
PCR (Pavement Condition Rating)	89	89	89	68	62
RCI (Roughness Condition Index)	89	90	87	75	60
SCR (Surface Condition Rating)	89	88	89	63	63
Alligator Cracking Index	99	96	100	98	99
Rutting Index	90	92	91	65	64
Patching Index	100	100	99	100	99
Transverse Cracking Index	99	99	99	99	99
Longitudinal Cracking Index	99	99	99	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

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

ROUTE: 0010 State Route 123 (Mount Rainier Park Road)



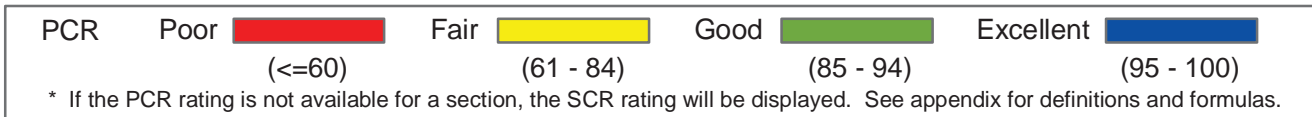
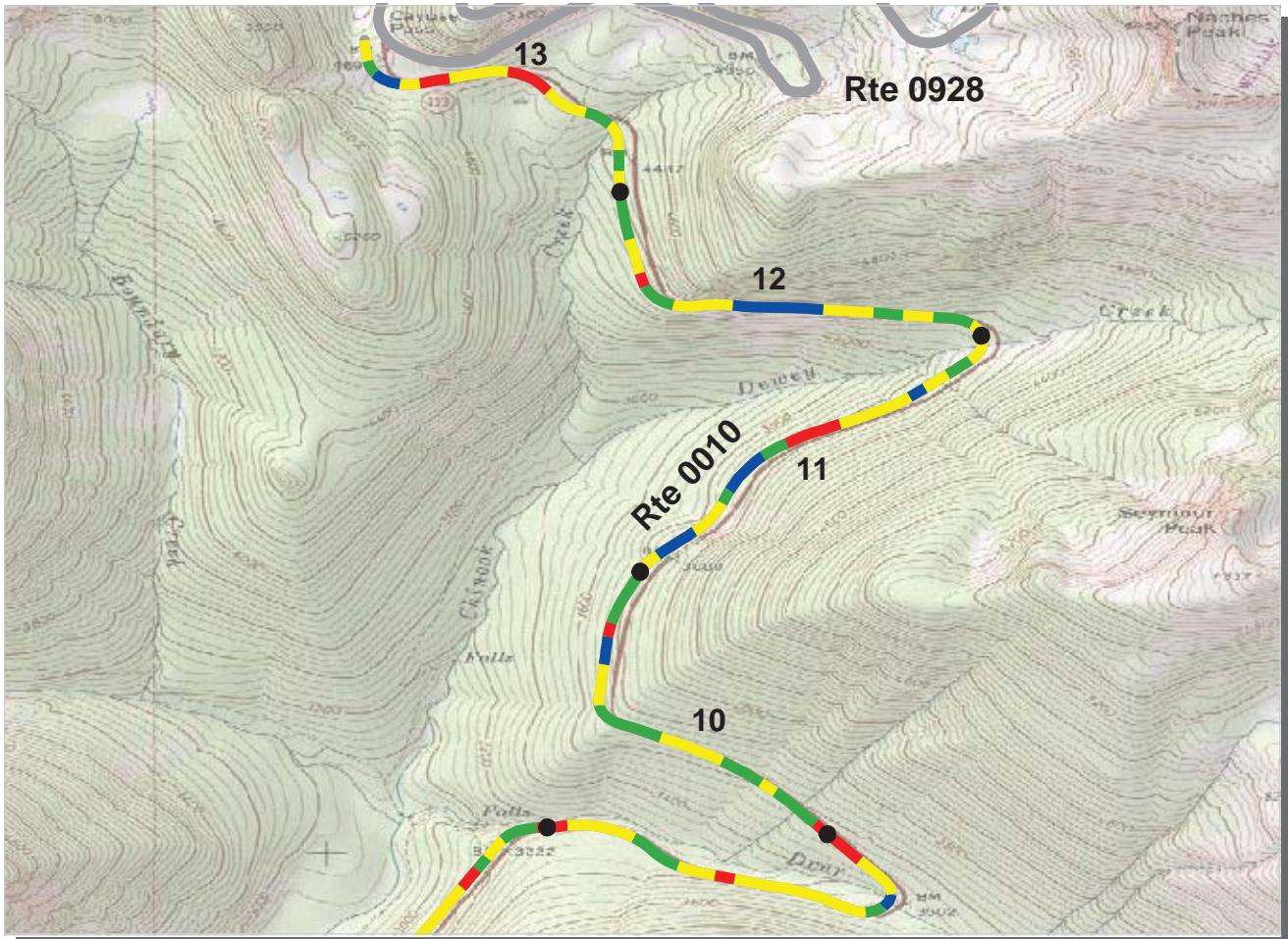
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0010 State Route 123 (Mount Rainier Park Road) TOTAL LENGTH: 13.85 Miles

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	20	20	19
Lane Width (ft)	10	10	9	10	10
Shoulder Width (ft)	1	1	2	1	2
Roadway Condition Information					
PCR (Pavement Condition Rating)	74	65	69	67	69
RCI (Roughness Condition Index)	72	70	71	79	74
SCR (Surface Condition Rating)	75	61	68	59	65
Alligator Cracking Index	100	97	98	97	97
Rutting Index	76	67	70	74	67
Patching Index	100	100	100	88	100
Transverse Cracking Index	99	99	99	99	99
Longitudinal Cracking Index	99	98	99	98	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0010 State Route 123 (Mount Rainier Park Road)

* NC designates data not collected N/A designates not applicable
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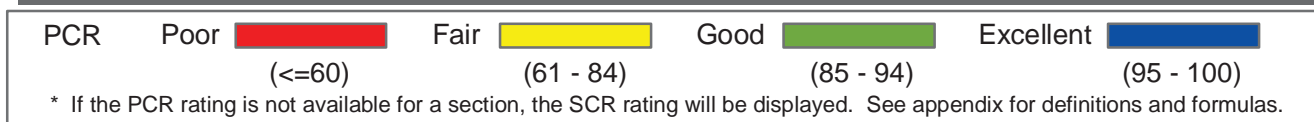
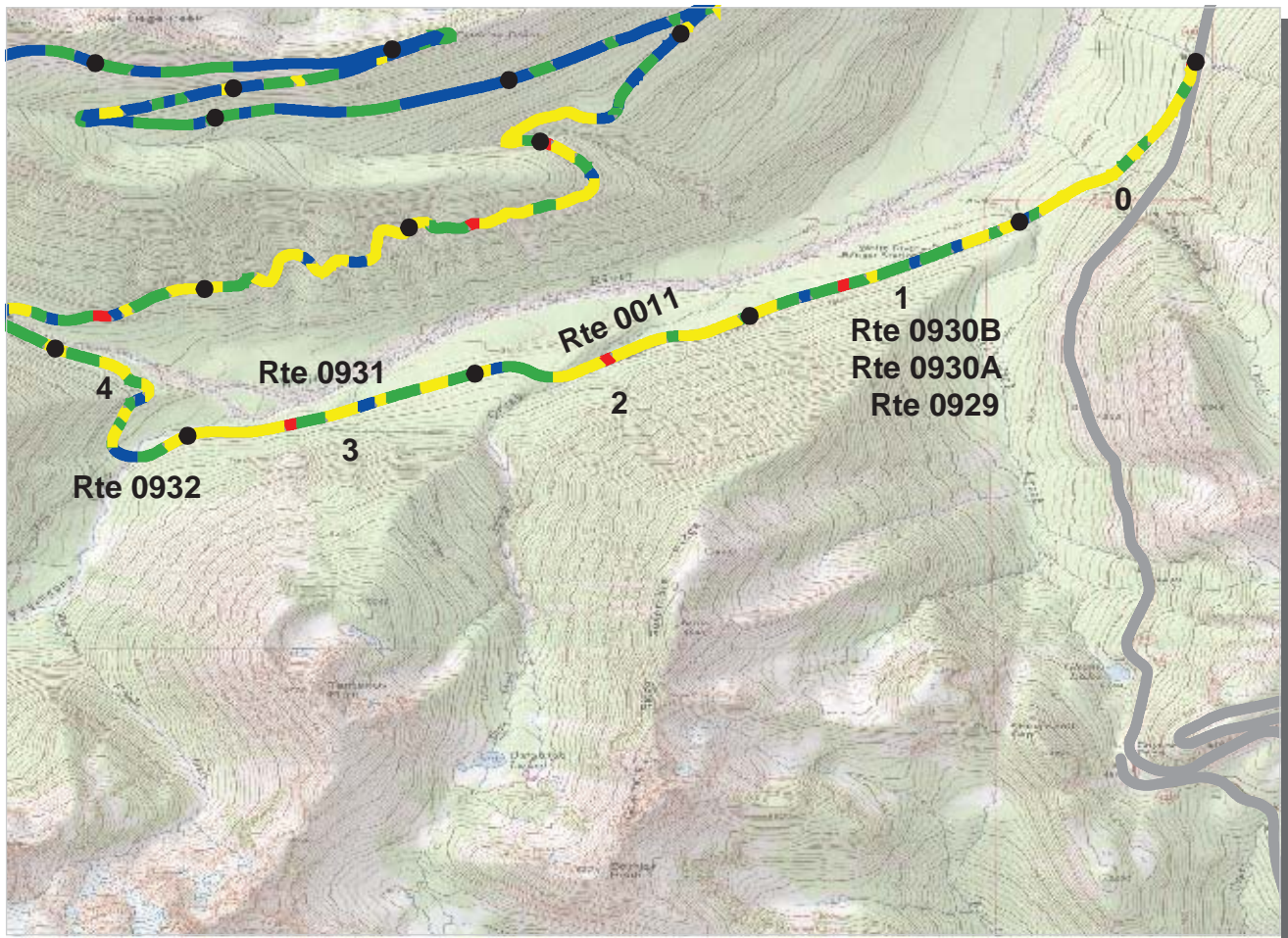
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0010 State Route 123 (Mount Rainier Park Road) TOTAL LENGTH: 13.85 Miles

Section Number	10	11	12	13	
Section Length (mi)	1.00	1.00	1.00	0.85	
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	
Paved Width (ft)	21	20	21	21	
Lane Width (ft)	10	10	11	10	
Shoulder Width (ft)	2	2	2	3	
Roadway Condition Information					
PCR (Pavement Condition Rating)	83	78	80	71	
RCI (Roughness Condition Index)	80	75	80	72	
SCR (Surface Condition Rating)	85	80	81	70	
Alligator Cracking Index	99	98	98	93	
Rutting Index	86	82	84	79	
Patching Index	100	100	100	100	
Transverse Cracking Index	99	99	99	99	
Longitudinal Cracking Index	99	99	98	97	
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	

ROUTE: 0010 State Route 123 (Mount Rainier Park Road)

* NC designates data not collected N/A designates not applicable
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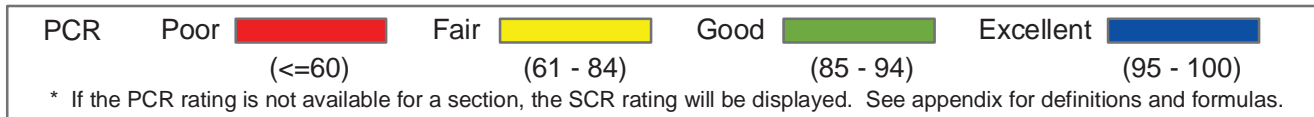
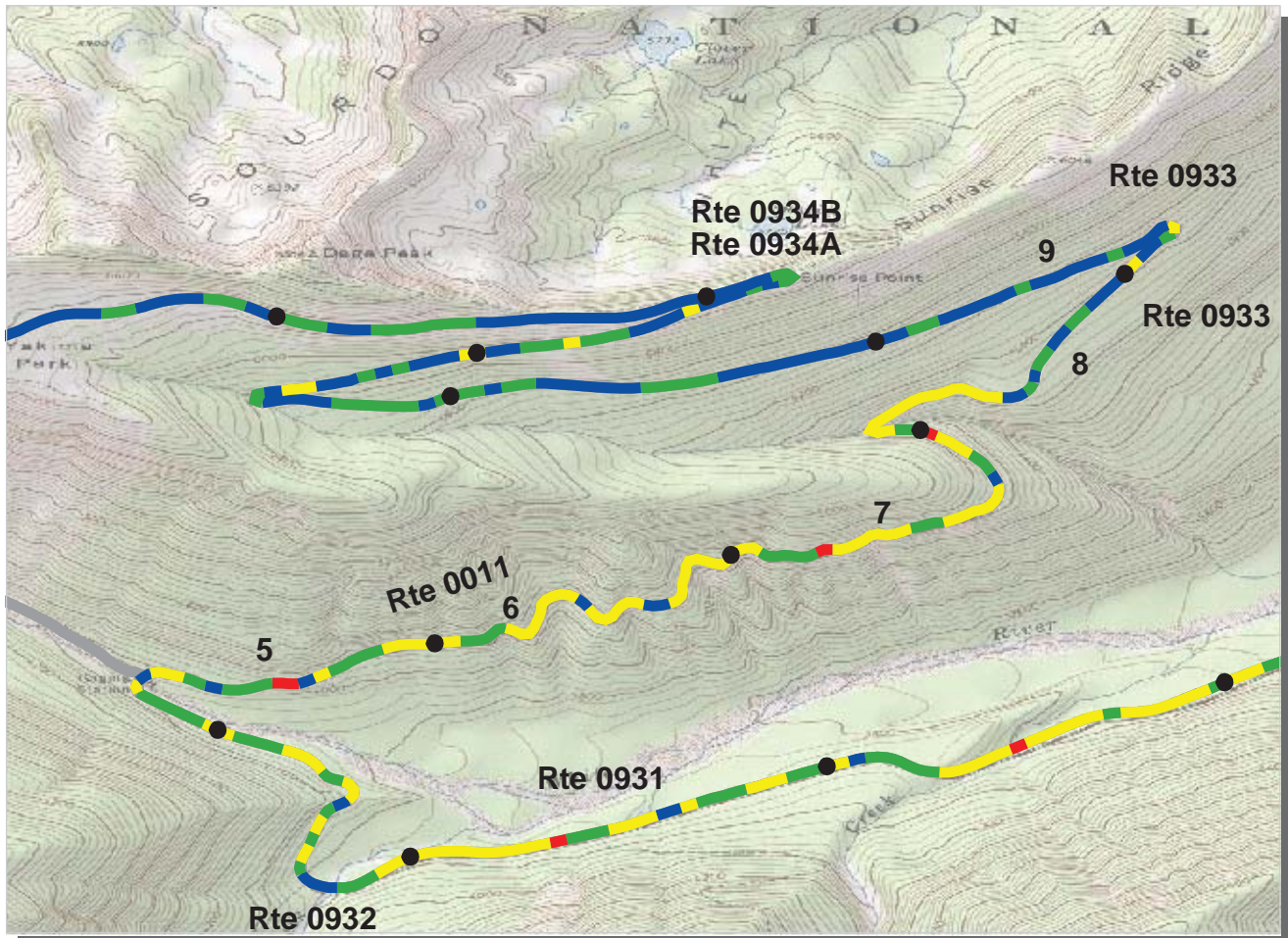
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0011 Sunrise Road **TOTAL LENGTH: 15.35 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	19	18	20
Lane Width (ft)	10	10	9	9	9
Shoulder Width (ft)	0	0	0	0	0
Roadway Condition Information					
PCR (Pavement Condition Rating)	78	81	79	81	84
RCI (Roughness Condition Index)	67	72	65	69	76
SCR (Surface Condition Rating)	85	87	87	88	88
Alligator Cracking Index	99	100	99	99	99
Rutting Index	86	87	88	88	89
Patching Index	100	100	99	100	99
Transverse Cracking Index	99	99	99	99	99
Longitudinal Cracking Index	99	99	99	99	99
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Sunrise Road

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



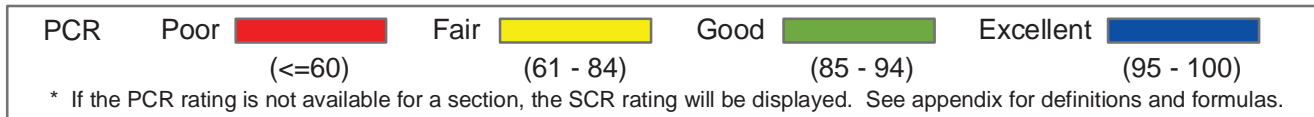
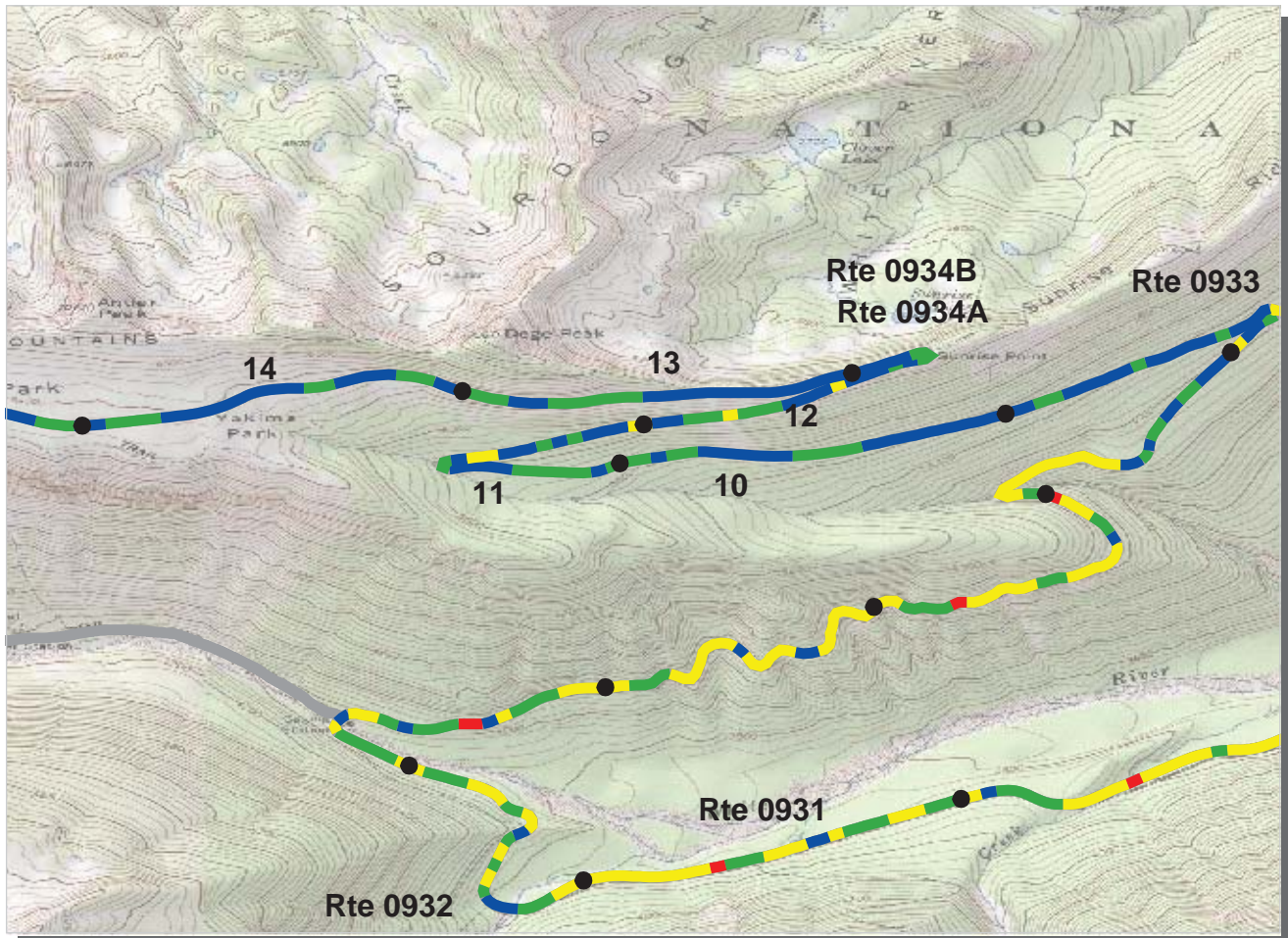
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0011 Sunrise Road **TOTAL LENGTH: 15.35 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	18	18	20
Lane Width (ft)	10	10	9	9	10
Shoulder Width (ft)	0	0	0	0	0
Roadway Condition Information					
PCR (Pavement Condition Rating)	81	80	75	86	95
RCI (Roughness Condition Index)	73	69	72	81	94
SCR (Surface Condition Rating)	85	88	78	89	95
Alligator Cracking Index	99	99	100	100	100
Rutting Index	85	89	79	90	95
Patching Index	99	99	99	100	99
Transverse Cracking Index	99	99	99	99	100
Longitudinal Cracking Index	99	98	98	99	99
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Sunrise Road

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



Pacific West Region
MORA : Mount Rainier National Park

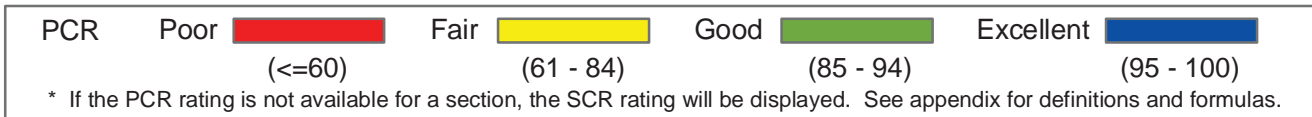
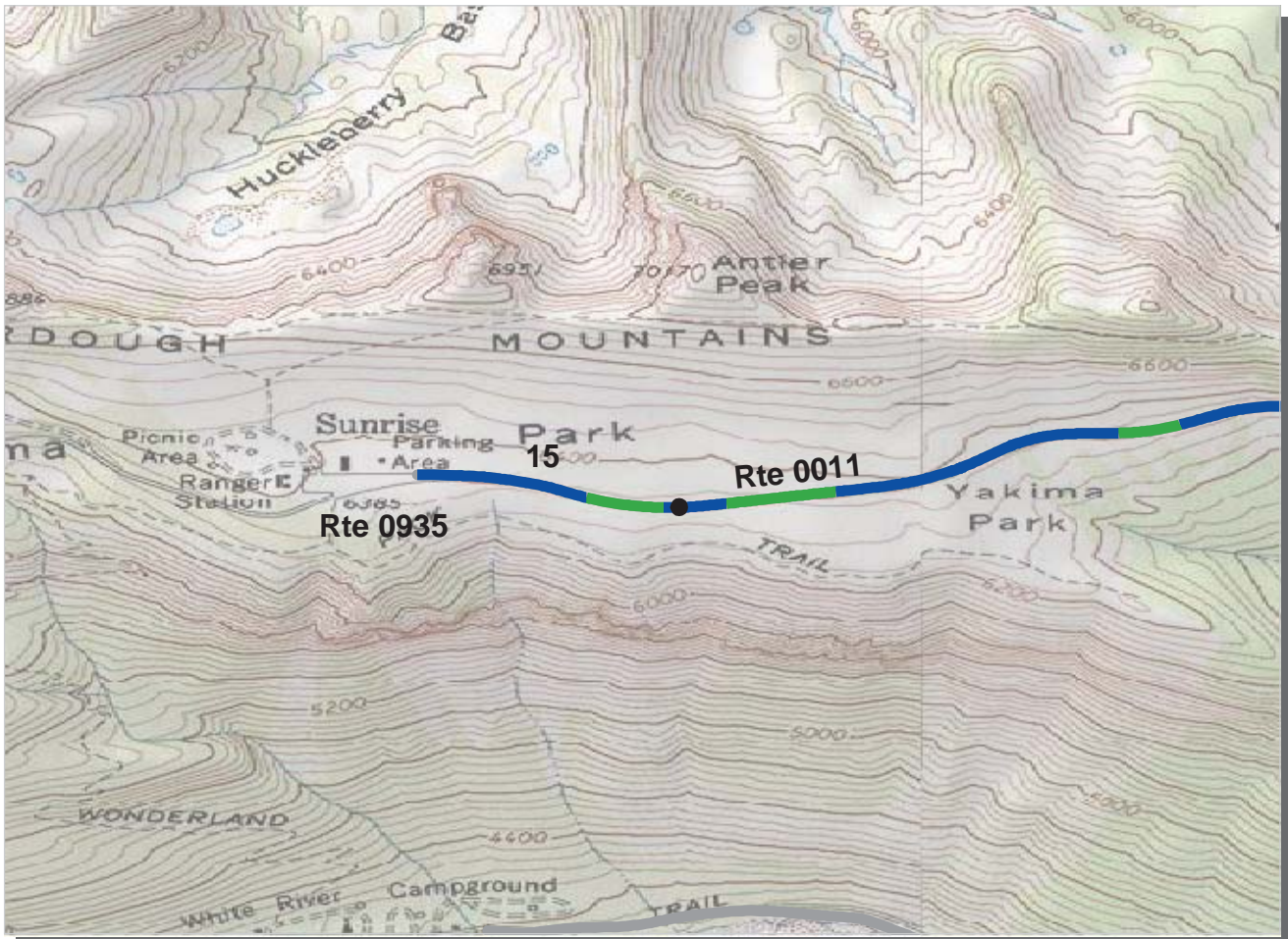
ROUTE: 0011 Sunrise Road

TOTAL LENGTH: 15.35 Miles

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	19	18	18
Lane Width (ft)	9	9	10	10	9
Shoulder Width (ft)	0	0	0	0	0
Roadway Condition Information					
PCR (Pavement Condition Rating)	95	93	93	96	96
RCI (Roughness Condition Index)	98	93	98	99	99
SCR (Surface Condition Rating)	93	92	90	93	95
Alligator Cracking Index	98	99	100	100	100
Rutting Index	95	93	91	93	95
Patching Index	99	99	100	100	100
Transverse Cracking Index	99	99	99	99	100
Longitudinal Cracking Index	99	99	99	99	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Sunrise Road

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



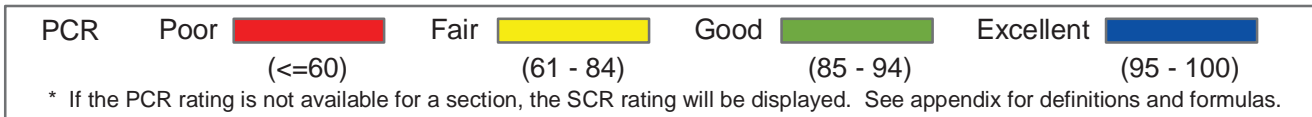
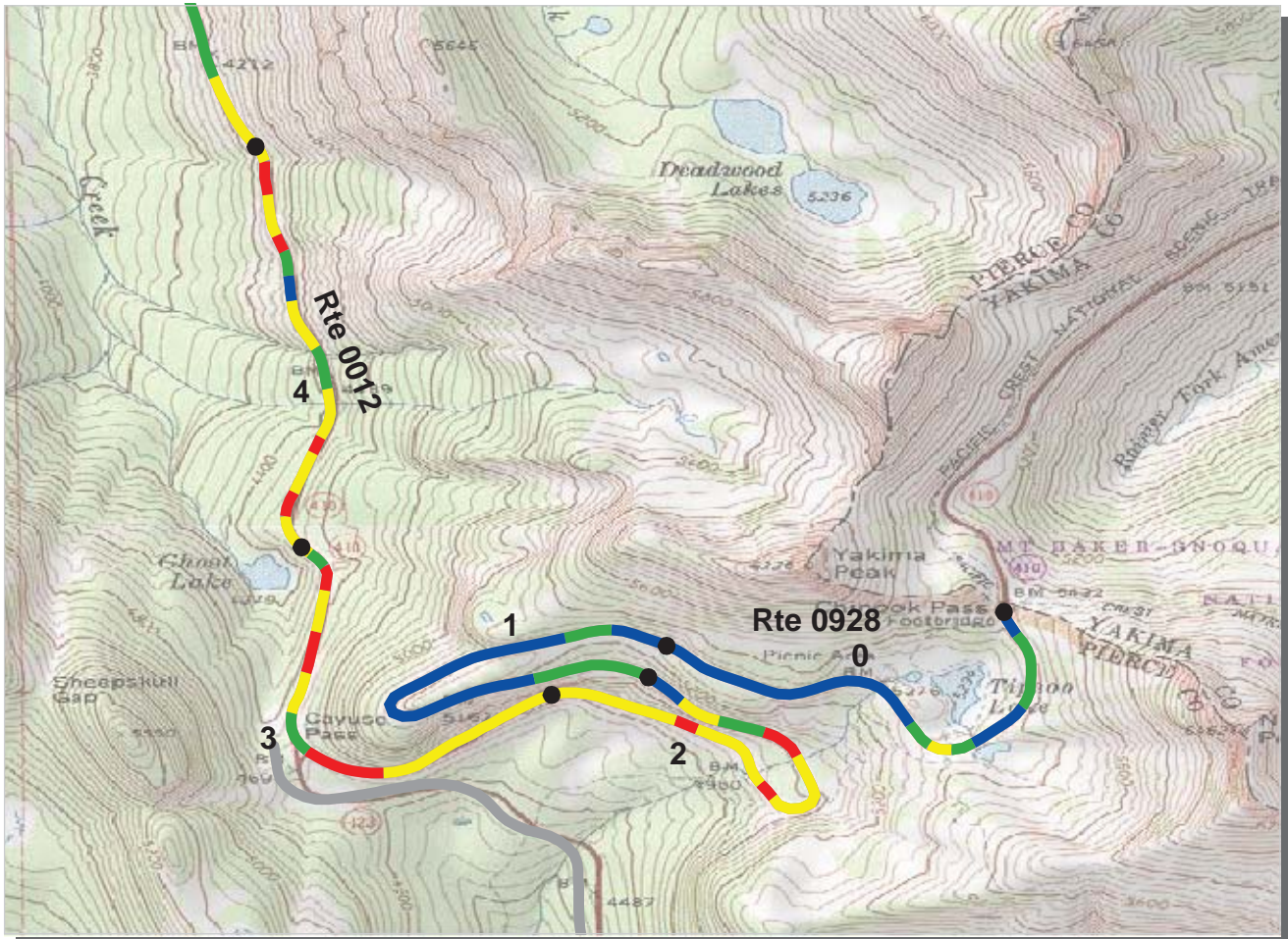
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0011 Sunrise Road **TOTAL LENGTH: 15.35 Miles**

Section Number	15				
Section Length (mi)	0.35				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	93				
RCI (Roughness Condition Index)	100				
SCR (Surface Condition Rating)	88				
Alligator Cracking Index	100				
Rutting Index	89				
Patching Index	100				
Transverse Cracking Index	100				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0011 Sunrise Road

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



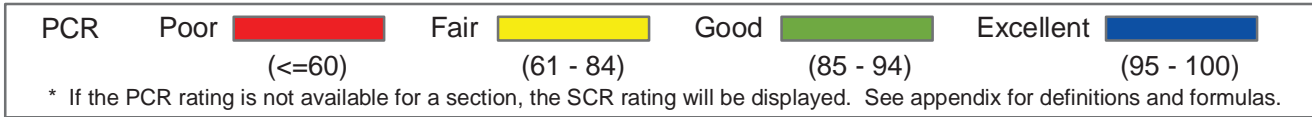
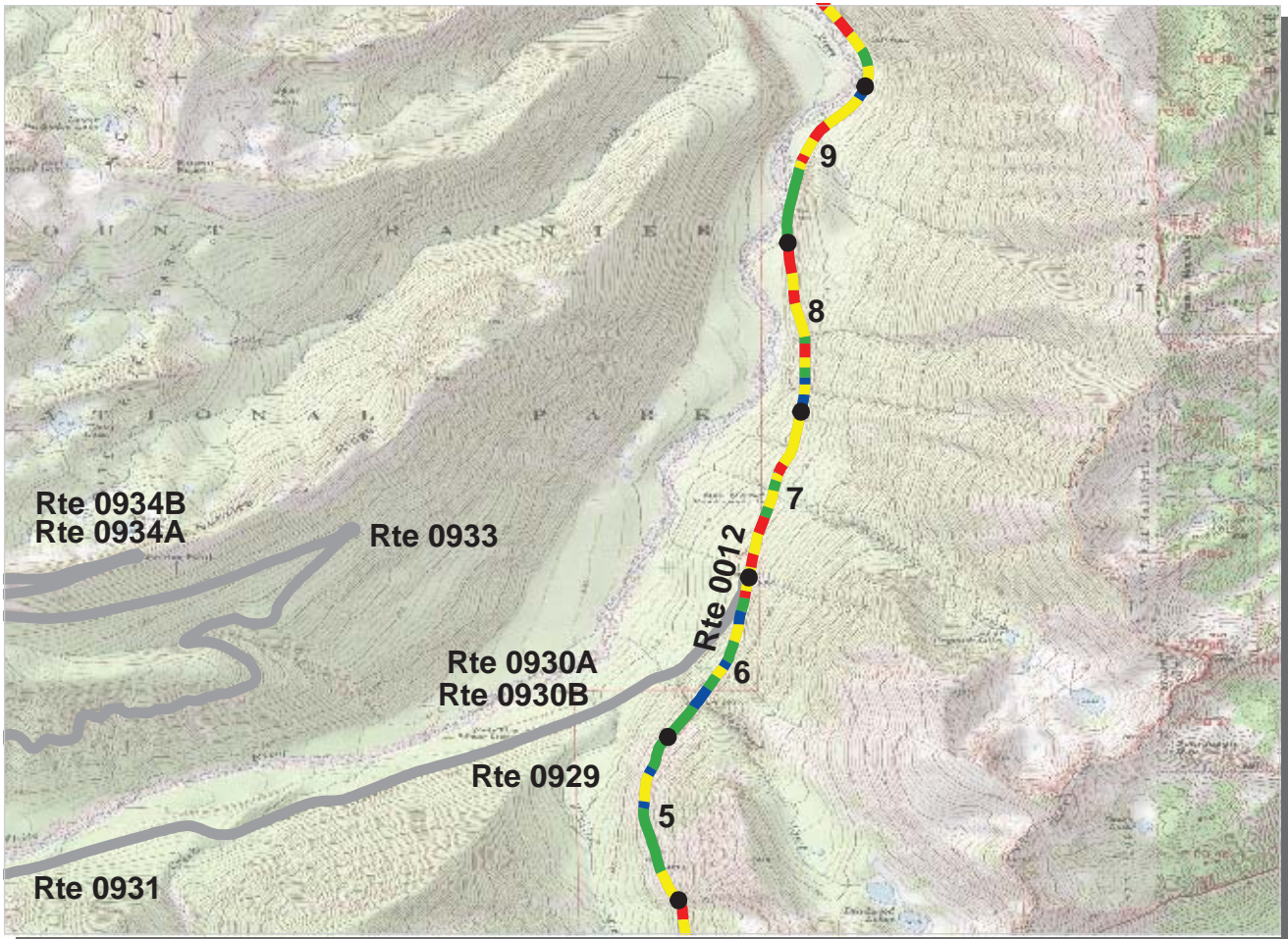
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0012 State Route 410 (Mather Memorial Parkway) TOTAL LENGTH: 11.53 Miles

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	23	22	20	19
Lane Width (ft)	11	12	11	10	9
Shoulder Width (ft)	5	5	5	2	3
Roadway Condition Information					
PCR (Pavement Condition Rating)	94	95	71	65	68
RCI (Roughness Condition Index)	98	99	62	61	70
SCR (Surface Condition Rating)	92	93	77	68	66
Alligator Cracking Index	100	100	99	94	86
Rutting Index	92	93	78	76	82
Patching Index	100	100	99	97	99
Transverse Cracking Index	99	100	99	99	99
Longitudinal Cracking Index	100	100	99	98	96
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0012 State Route 410 (Mather Memorial Parkway)

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



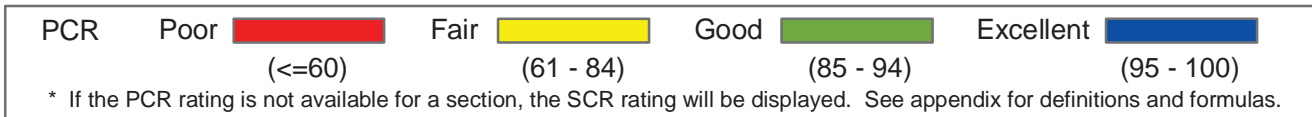
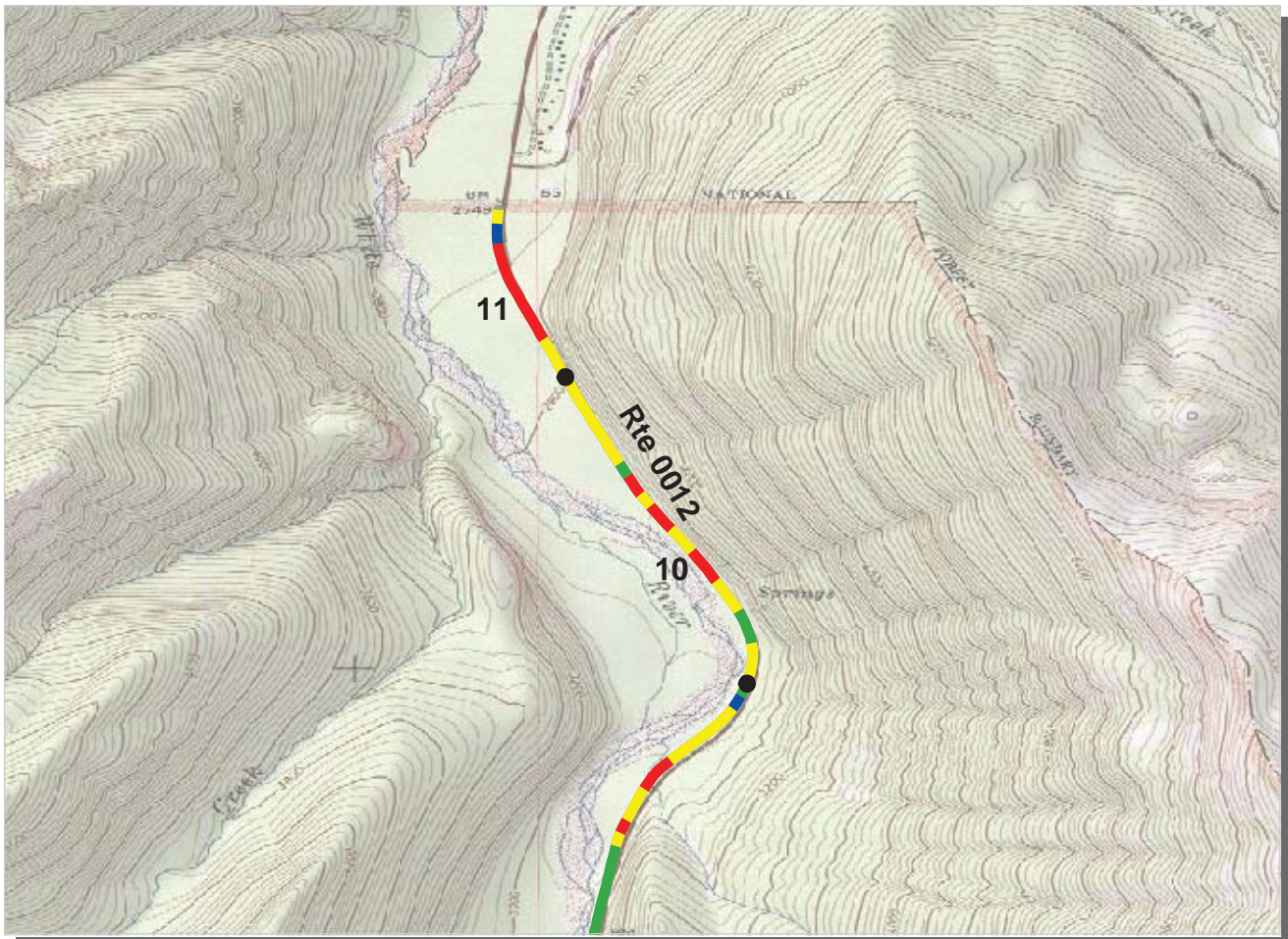
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0012 State Route 410 (Mather Memorial Parkway) TOTAL LENGTH: 11.53 Miles

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	21	19	20	20
Lane Width (ft)	9	10	9	9	9
Shoulder Width (ft)	3	0	1	2	2
Roadway Condition Information					
PCR (Pavement Condition Rating)	86	81	66	68	75
RCI (Roughness Condition Index)	91	82	86	82	73
SCR (Surface Condition Rating)	83	80	53	58	77
Alligator Cracking Index	98	95	75	79	95
Rutting Index	86	88	77	80	86
Patching Index	99	99	99	99	99
Transverse Cracking Index	99	99	99	99	99
Longitudinal Cracking Index	97	98	96	96	97
Shoulder Condition Rating	GOOD	N/A	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0012 State Route 410 (Mather Memorial Parkway)

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



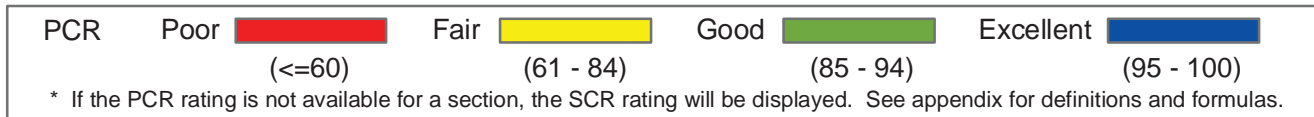
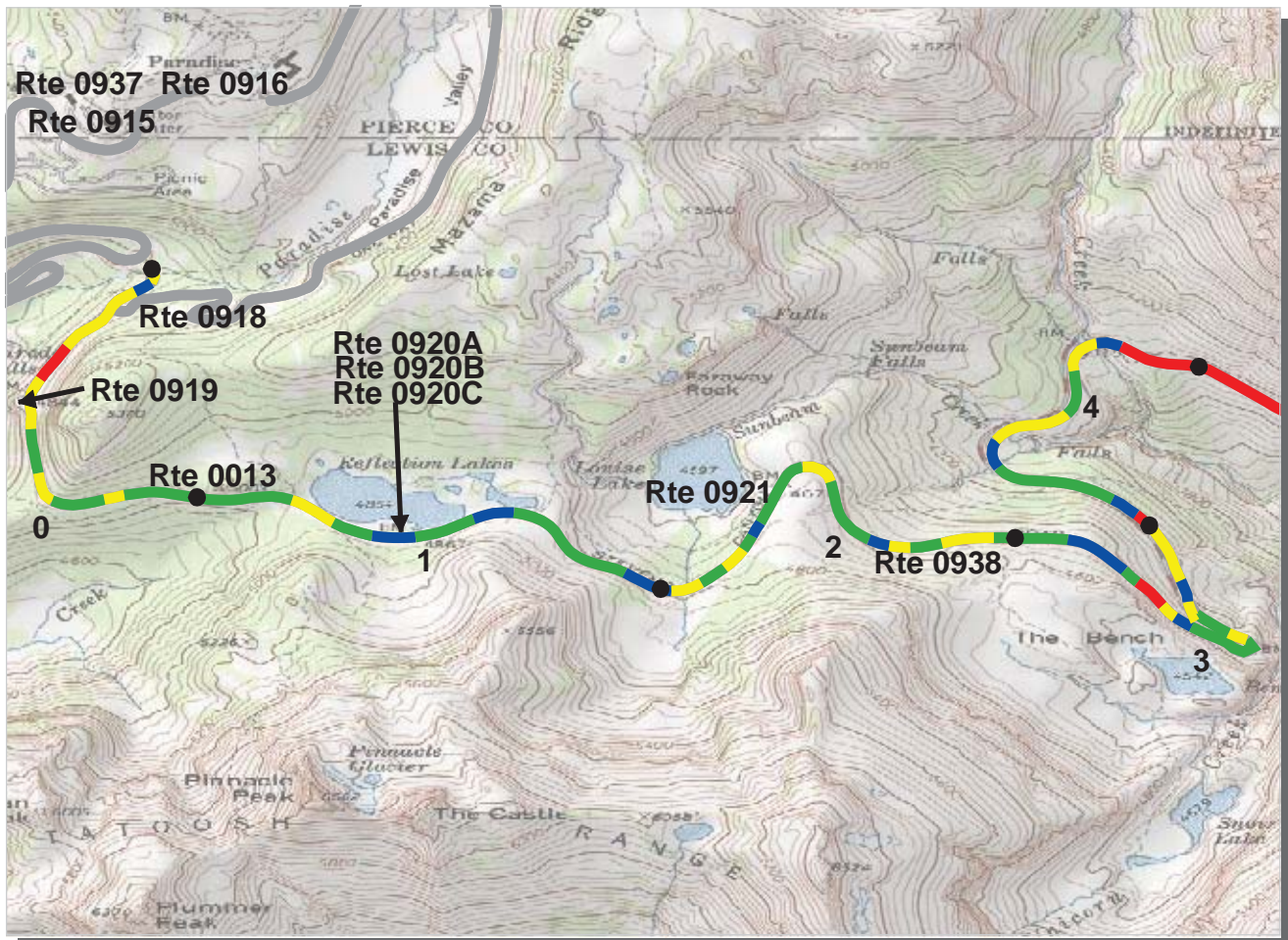
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0012 State Route 410 (Mather Memorial Parkway) TOTAL LENGTH: 11.53 Miles

Section Number	10	11			
Section Length (mi)	1.00	0.53			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	19	19			
Lane Width (ft)	9	9			
Shoulder Width (ft)	1	1			
Roadway Condition Information					
PCR (Pavement Condition Rating)	69	55			
RCI (Roughness Condition Index)	57	62			
SCR (Surface Condition Rating)	77	51			
Alligator Cracking Index	97	80			
Rutting Index	81	75			
Patching Index	98	99			
Transverse Cracking Index	99	99			
Longitudinal Cracking Index	99	97			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0012 State Route 410 (Mather Memorial Parkway)

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



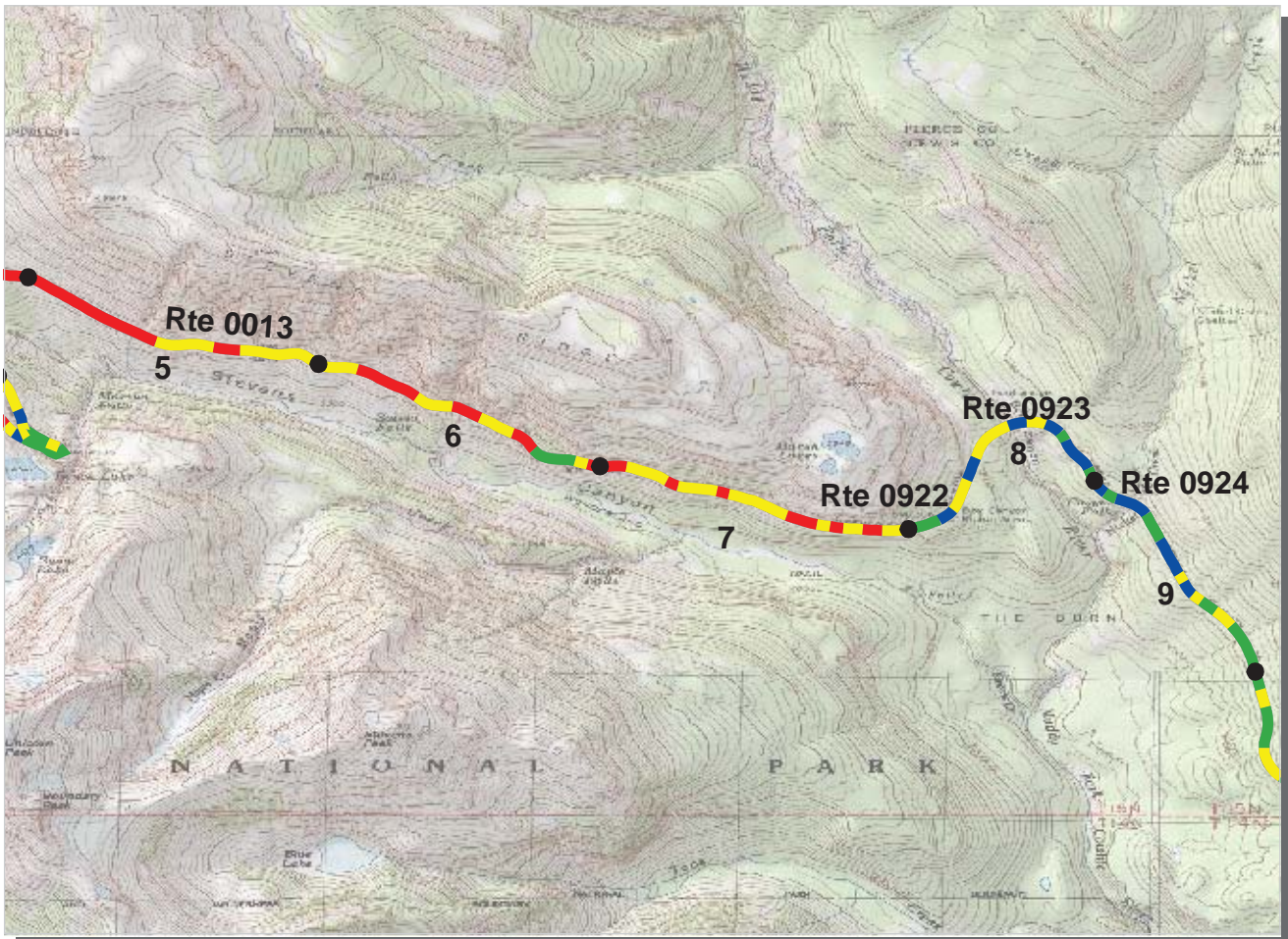
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0013 Stevens Canyon Road **TOTAL LENGTH: 18.99 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	19	19	19
Lane Width (ft)	10	10	10	10	10
Shoulder Width (ft)	10	0	2	2	2
Roadway Condition Information					
PCR (Pavement Condition Rating)	76	87	87	82	79
RCI (Roughness Condition Index)	81	96	97	88	90
SCR (Surface Condition Rating)	74	82	80	79	72
Alligator Cracking Index	96	98	98	98	98
Rutting Index	82	86	85	86	83
Patching Index	97	99	100	99	100
Transverse Cracking Index	99	99	99	98	96
Longitudinal Cracking Index	95	97	97	96	93
Shoulder Condition Rating	GOOD	N/A	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0013 Stevens Canyon Road

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



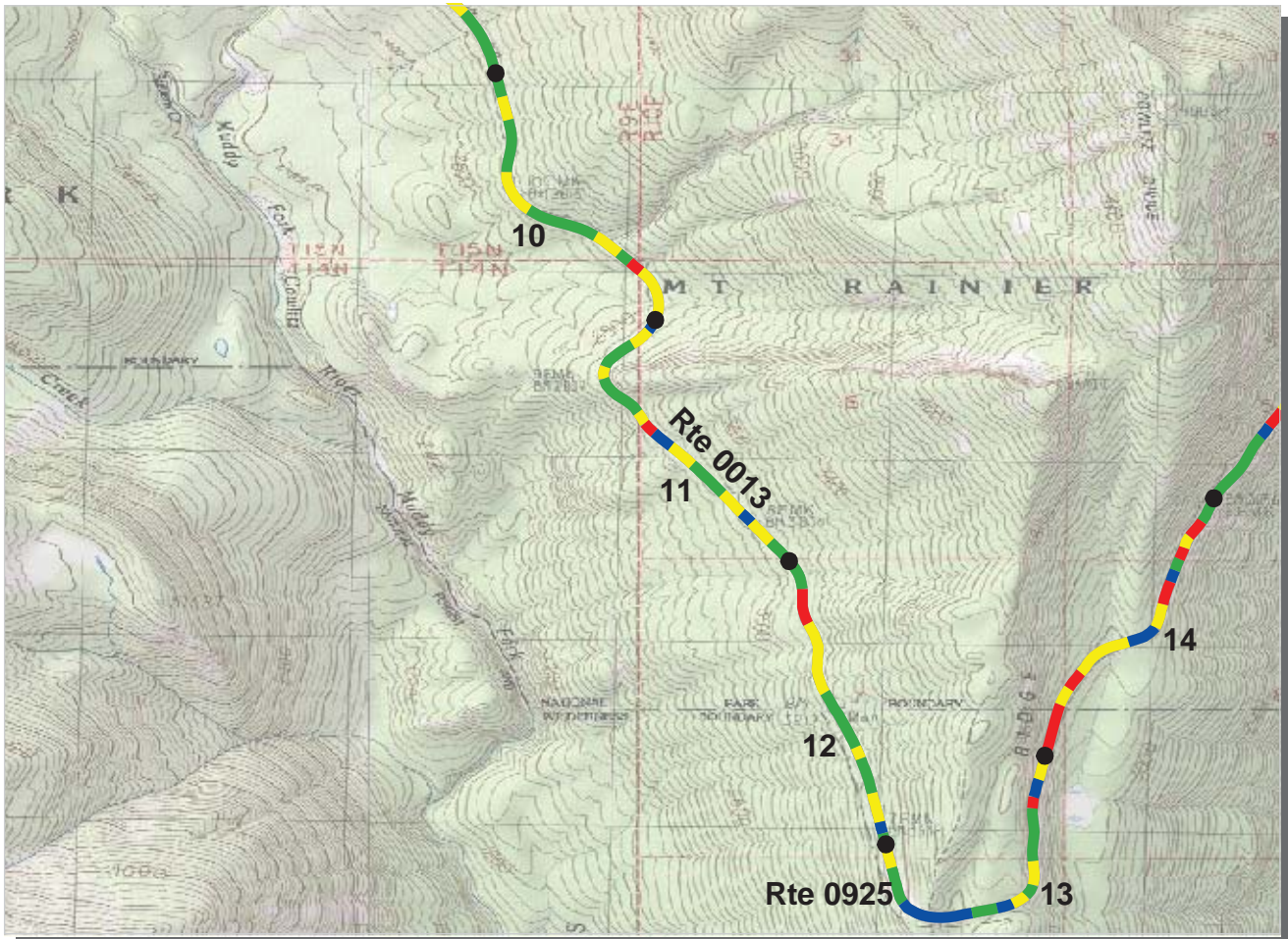
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0013 Stevens Canyon Road **TOTAL LENGTH: 18.99 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	18	18	19	19
Lane Width (ft)	10	9	9	10	10
Shoulder Width (ft)	1	2	5	4	1
Roadway Condition Information					
PCR (Pavement Condition Rating)	56	61	60	88	89
RCI (Roughness Condition Index)	77	82	76	94	90
SCR (Surface Condition Rating)	43	48	49	85	89
Alligator Cracking Index	93	93	91	99	98
Rutting Index	70	76	73	88	93
Patching Index	99	99	100	100	99
Transverse Cracking Index	87	90	90	99	99
Longitudinal Cracking Index	91	89	93	97	98
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0013 Stevens Canyon Road

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



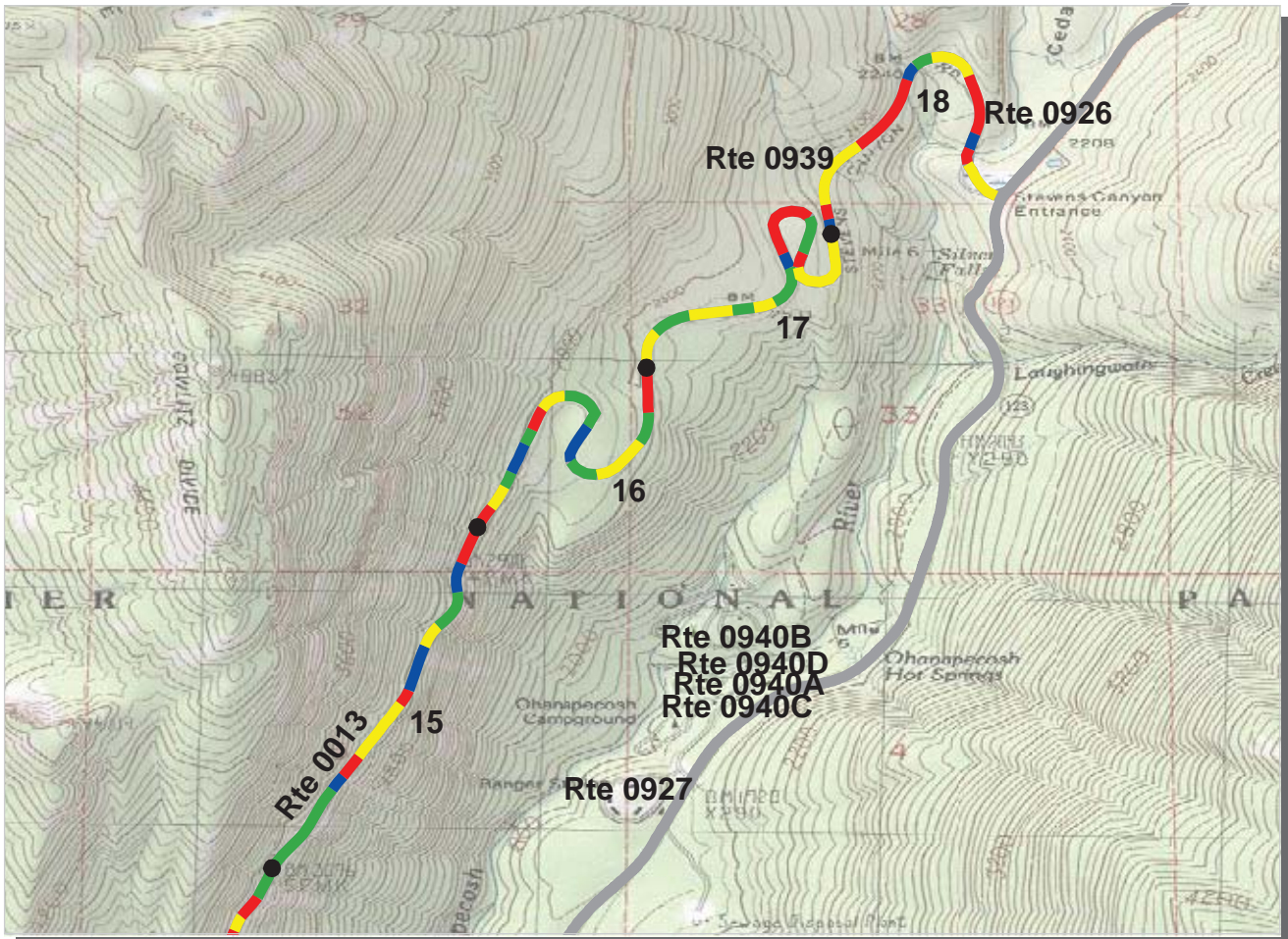
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0013 Stevens Canyon Road **TOTAL LENGTH: 18.99 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	18	19	18	18	18
Lane Width (ft)	9	9	9	9	9
Shoulder Width (ft)	1	2	1	1	2
Roadway Condition Information					
PCR (Pavement Condition Rating)	83	84	82	81	65
RCI (Roughness Condition Index)	89	90	85	88	69
SCR (Surface Condition Rating)	79	81	79	76	62
Alligator Cracking Index	96	96	95	93	87
Rutting Index	86	87	86	88	78
Patching Index	100	99	99	96	99
Transverse Cracking Index	99	99	99	99	99
Longitudinal Cracking Index	96	98	97	98	96
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0013 Stevens Canyon Road

* NC designates data not collected N/A 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.

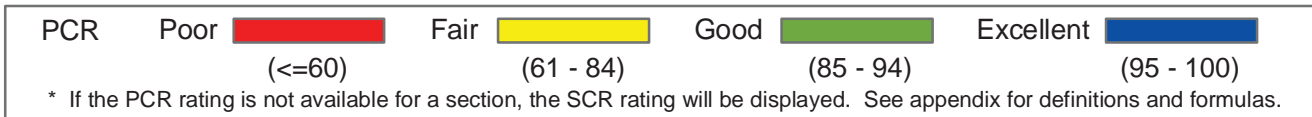
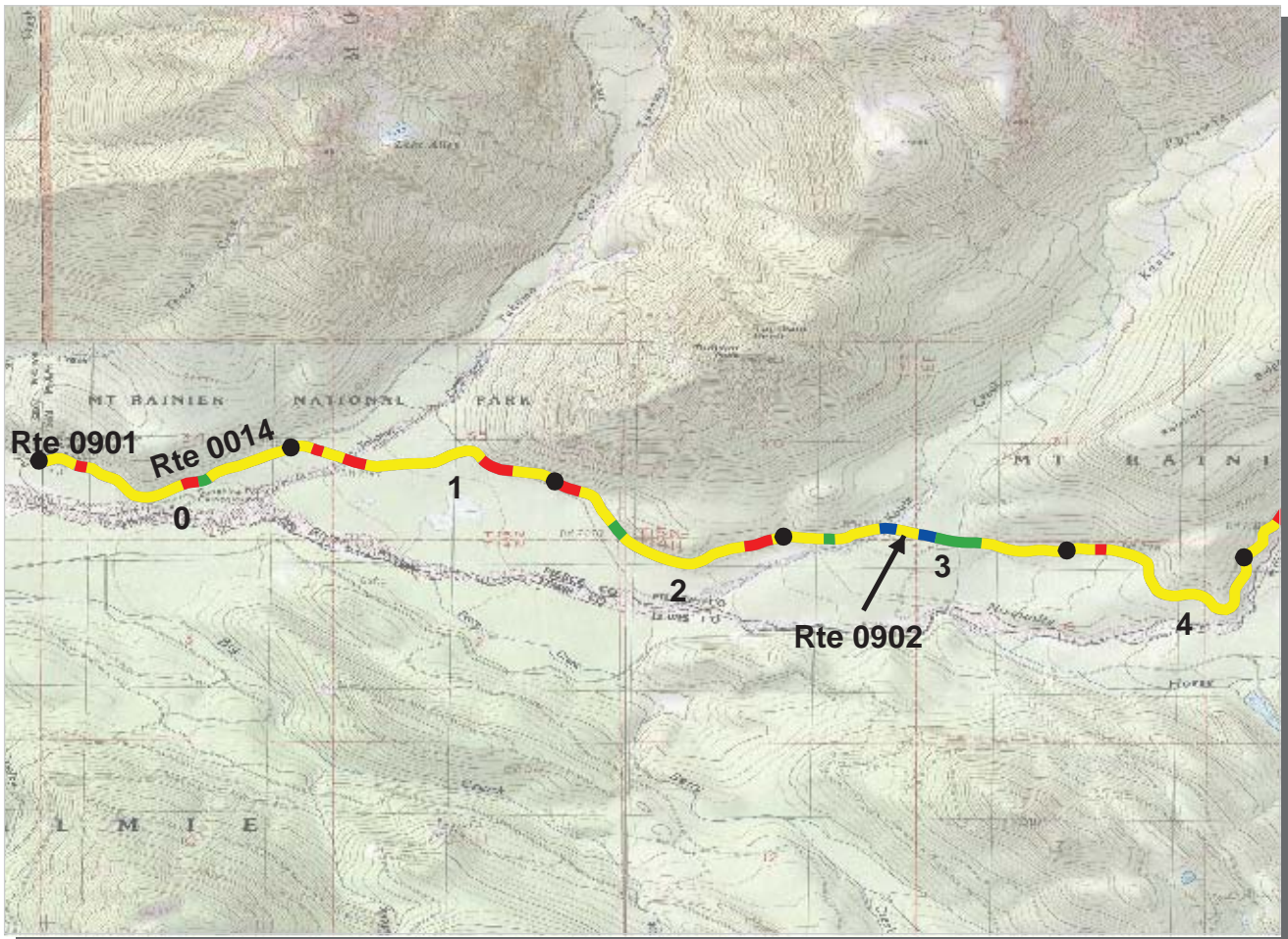
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0013 Stevens Canyon Road **TOTAL LENGTH: 18.99 Miles**

Section Number	15	16	17	18	
Section Length (mi)	1.00	1.00	1.00	0.99	
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	
Paved Width (ft)	19	18	18	19	
Lane Width (ft)	10	9	9	10	
Shoulder Width (ft)	2	2	1	1	
Roadway Condition Information					
PCR (Pavement Condition Rating)	68	72	72	58	
RCI (Roughness Condition Index)	83	76	72	54	
SCR (Surface Condition Rating)	60	69	73	59	
Alligator Cracking Index	91	91	92	91	
Rutting Index	80	82	83	78	
Patching Index	87	96	97	90	
Transverse Cracking Index	98	99	99	99	
Longitudinal Cracking Index	97	98	99	98	
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	

ROUTE: 0013 Stevens Canyon Road

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



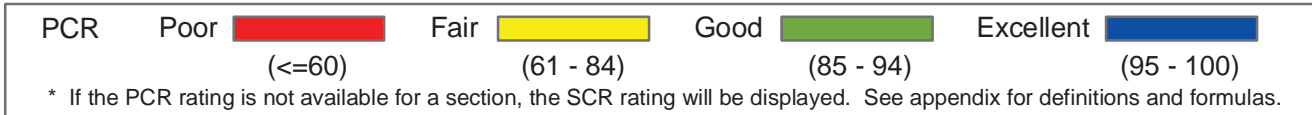
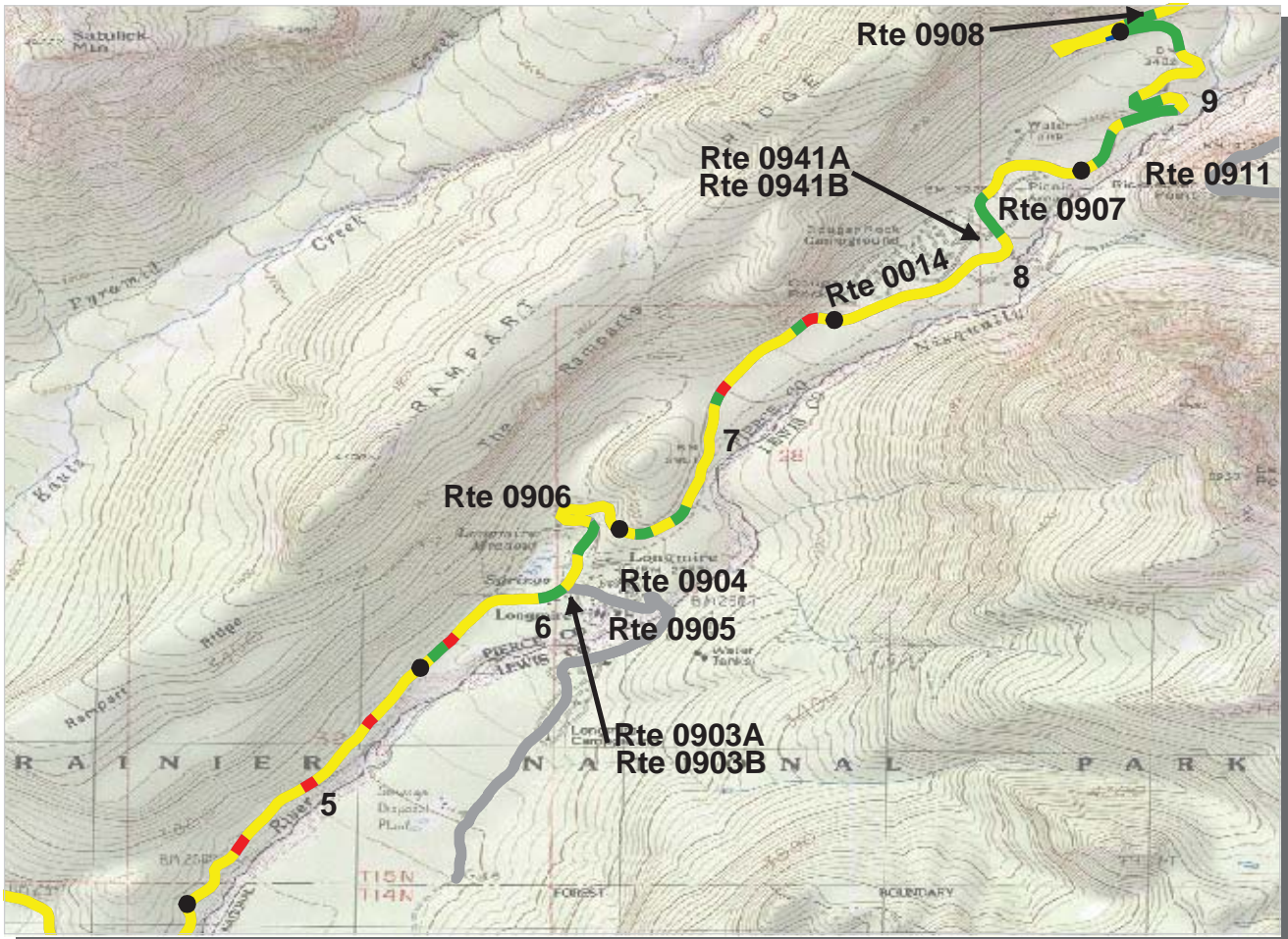
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0014 State Route 706 (Nisqually-Paradise Road) TOTAL LENGTH: 17.57 Miles

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	19	20	20	21
Lane Width (ft)	11	10	9	10	10
Shoulder Width (ft)	6	2	2	1	1
Roadway Condition Information					
PCR (Pavement Condition Rating)	71	68	71	78	74
RCI (Roughness Condition Index)	77	73	69	77	71
SCR (Surface Condition Rating)	70	63	72	78	75
Alligator Cracking Index	100	100	100	100	100
Rutting Index	70	63	72	78	75
Patching Index	100	100	100	100	100
Transverse Cracking Index	99	100	99	99	99
Longitudinal Cracking Index	99	99	100	100	100
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0014 State Route 706 (Nisqually-Paradise Road)

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



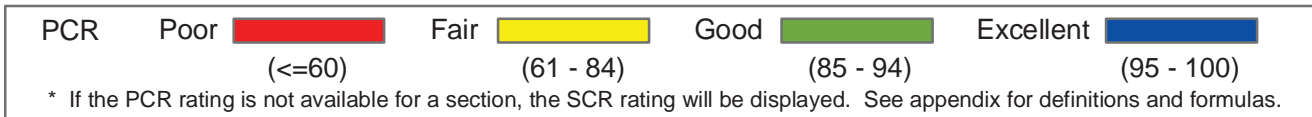
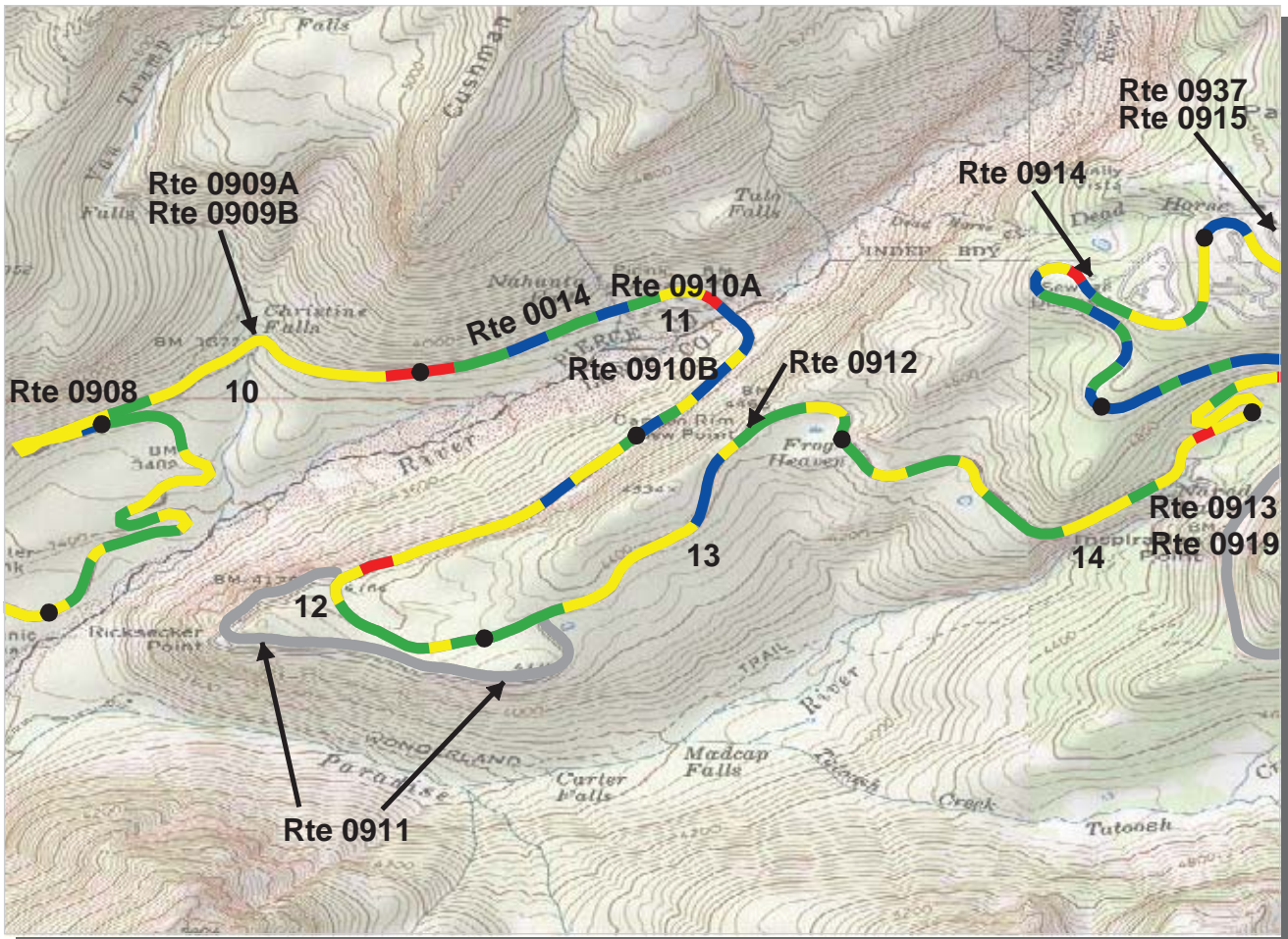
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0014 State Route 706 (Nisqually-Paradise Road) TOTAL LENGTH: 17.57 Miles

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	21	20	20
Lane Width (ft)	9	9	10	9	10
Shoulder Width (ft)	1	1	2	1	1
Roadway Condition Information					
PCR (Pavement Condition Rating)	65	77	75	77	83
RCI (Roughness Condition Index)	61	81	86	88	89
SCR (Surface Condition Rating)	68	74	67	69	79
Alligator Cracking Index	100	100	100	100	100
Rutting Index	70	74	67	69	79
Patching Index	98	100	100	100	100
Transverse Cracking Index	99	99	100	99	100
Longitudinal Cracking Index	100	100	100	99	100
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

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

ROUTE: 0014 State Route 706 (Nisqually-Paradise Road)



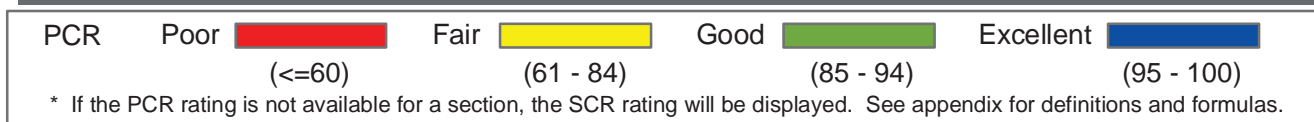
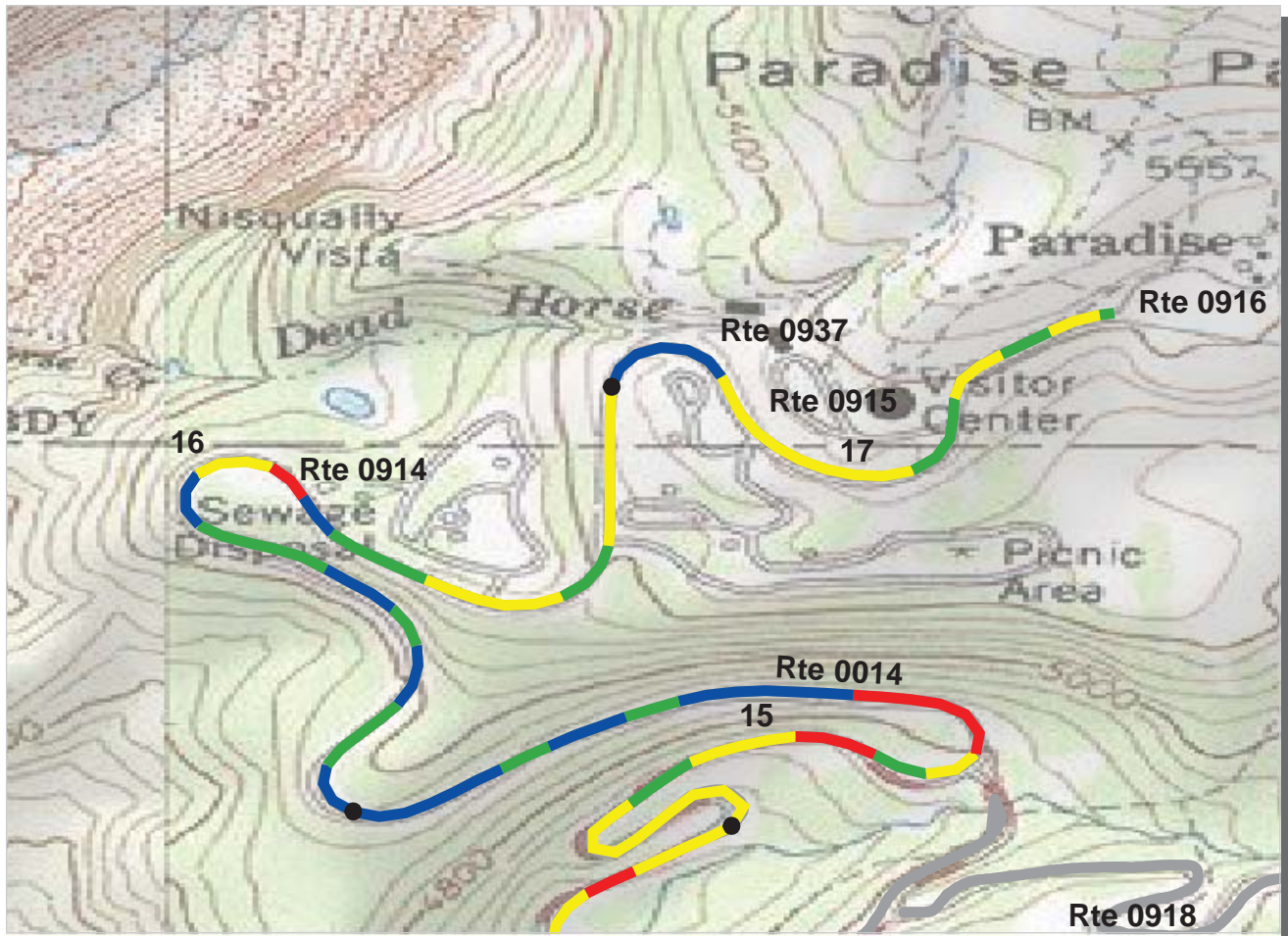
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0014 State Route 706 (Nisqually-Paradise Road) TOTAL LENGTH: 17.57 Miles

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	21	20	22	20
Lane Width (ft)	11	10	10	11	10
Shoulder Width (ft)	0	0	2	0	2
Roadway Condition Information					
PCR (Pavement Condition Rating)	76	87	78	85	80
RCI (Roughness Condition Index)	74	85	83	85	75
SCR (Surface Condition Rating)	76	86	75	86	83
Alligator Cracking Index	100	100	100	100	100
Rutting Index	77	86	75	86	83
Patching Index	100	99	100	99	100
Transverse Cracking Index	100	100	99	99	99
Longitudinal Cracking Index	99	99	99	99	99
Shoulder Condition Rating	N/A	N/A	GOOD	N/A	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0014 State Route 706 (Nisqually-Paradise Road)

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



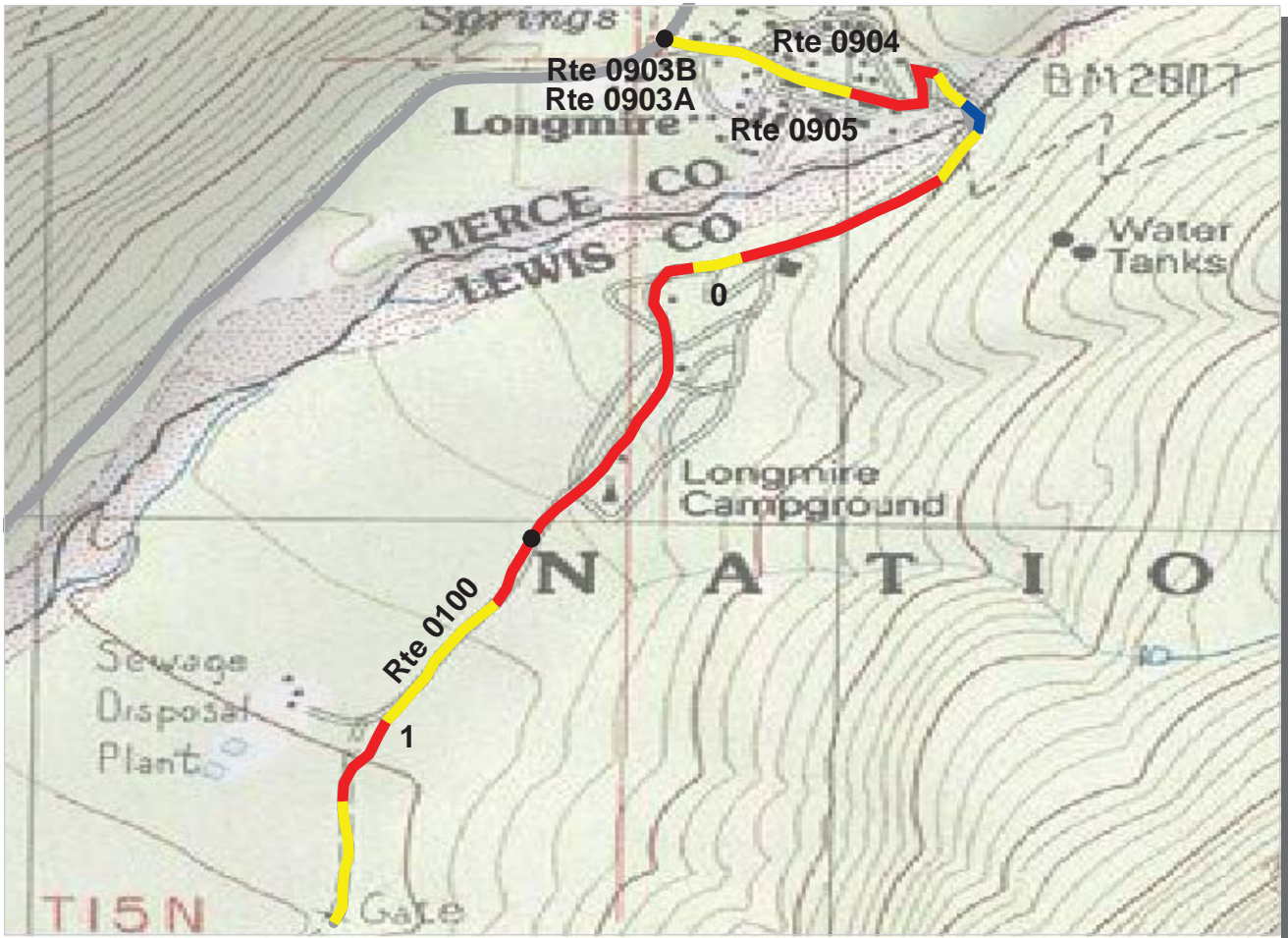
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0014 State Route 706 (Nisqually-Paradise Road) TOTAL LENGTH: 17.57 Miles

Section Number	15	16	17		
Section Length (mi)	1.00	1.00	0.57		
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	21	22	21		
Lane Width (ft)	10	10	10		
Shoulder Width (ft)	2	0	1		
Roadway Condition Information					
PCR (Pavement Condition Rating)	79	87	84		
RCI (Roughness Condition Index)	78	93	88		
SCR (Surface Condition Rating)	79	83	81		
Alligator Cracking Index	100	100	100		
Rutting Index	80	83	82		
Patching Index	99	99	99		
Transverse Cracking Index	100	99	99		
Longitudinal Cracking Index	99	99	99		
Shoulder Condition Rating	GOOD	N/A	GOOD		
Drainage Condition Rating	GOOD	GOOD	GOOD		

ROUTE: 0014 State Route 706 (Nisqually-Paradise Road)

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



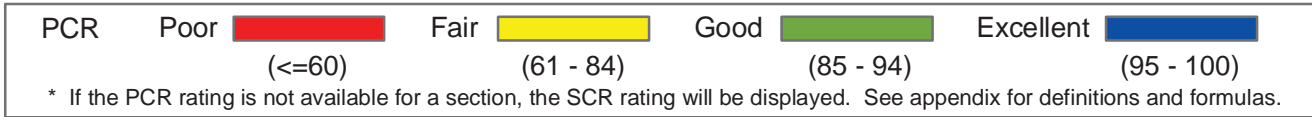
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0100 Longmire Backroad **TOTAL LENGTH: 1.50 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.50			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	1			
Paved Width (ft)	26	11			
Lane Width (ft)	11	11			
Shoulder Width (ft)	0	0			
Roadway Condition Information					
PCR (Pavement Condition Rating)	40	55			
RCI (Roughness Condition Index)	39	48			
SCR (Surface Condition Rating)	42	57			
Alligator Cracking Index	78	78			
Rutting Index	67	74			
Patching Index	99	99			
Transverse Cracking Index	97	99			
Longitudinal Cracking Index	97	98			
Shoulder Condition Rating	N/A	N/A			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0100 Longmire Backroad

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



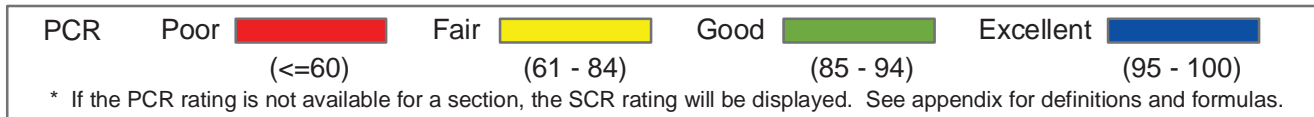
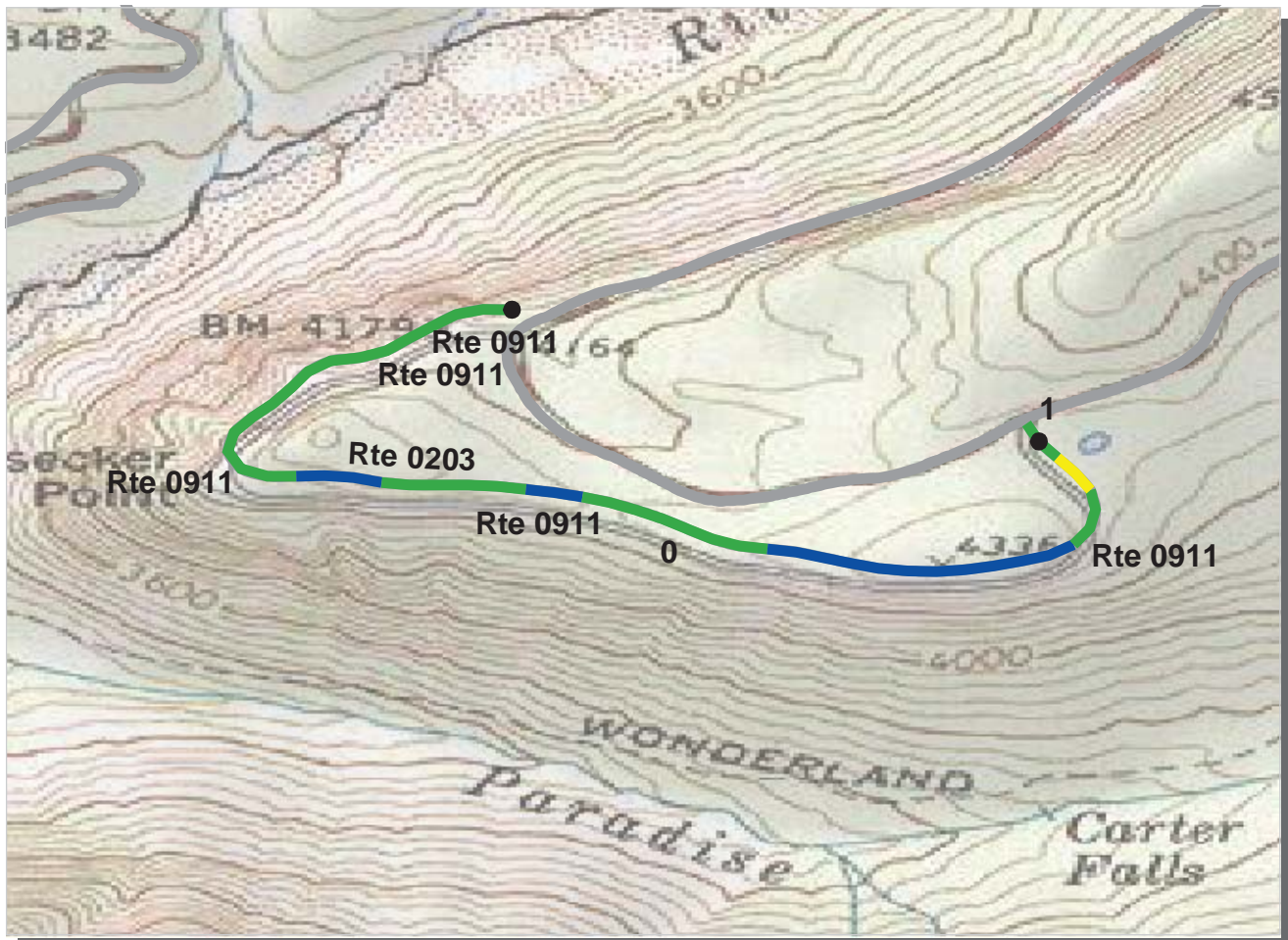
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0200A White River Campground Road **TOTAL LENGTH: 1.02 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.02			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	23	21			
Lane Width (ft)	11	11			
Shoulder Width (ft)	0	0			
Roadway Condition Information					
PCR (Pavement Condition Rating)	79	69			
RCI (Roughness Condition Index)	74	77			
SCR (Surface Condition Rating)	81	63			
Alligator Cracking Index	100	100			
Rutting Index	81	63			
Patching Index	99	100			
Transverse Cracking Index	100	100			
Longitudinal Cracking Index	99	100			
Shoulder Condition Rating	N/A	N/A			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0200A White River Campground Road

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



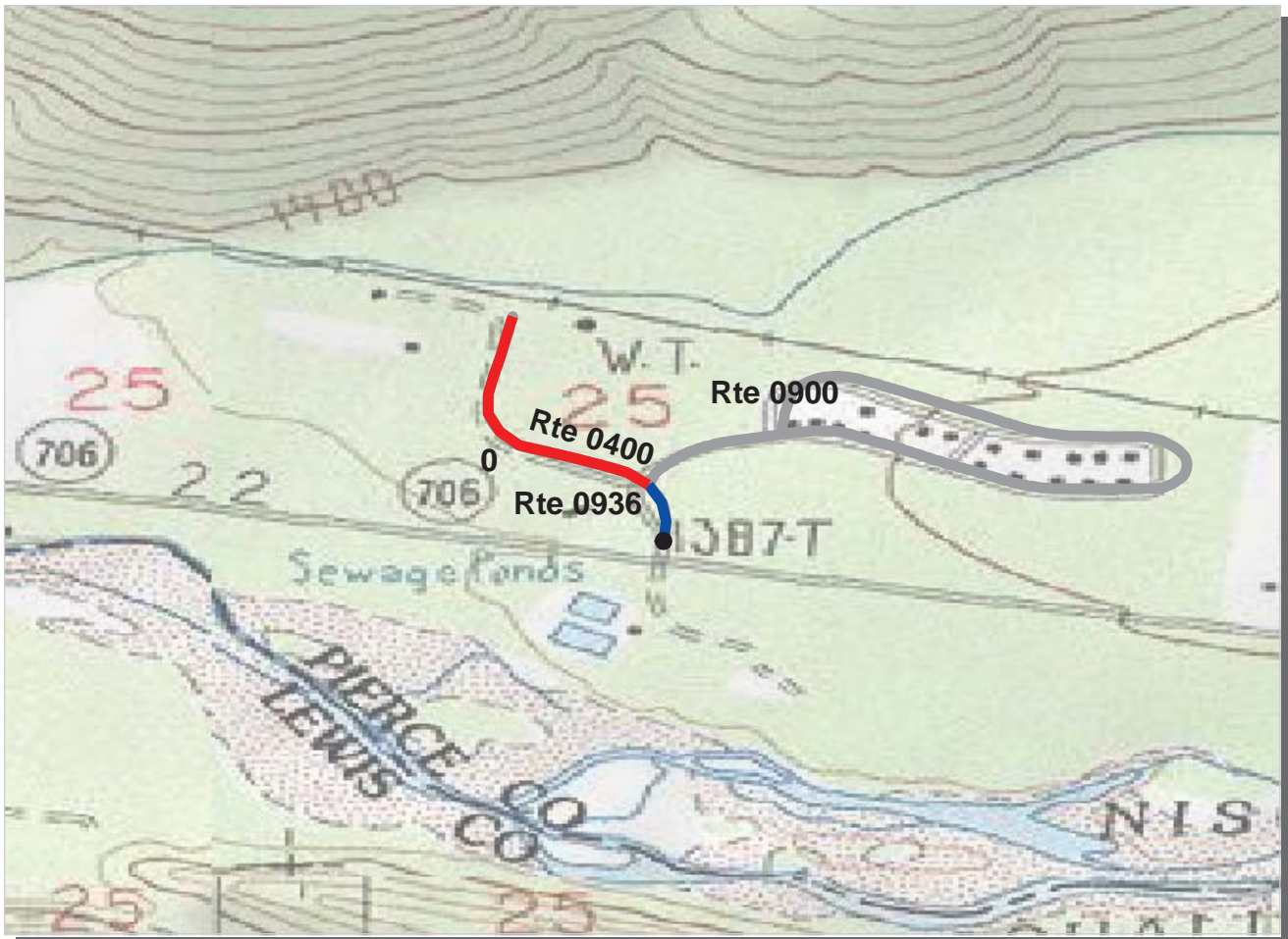
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0203 Miller Cutoff **TOTAL LENGTH: 1.03 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.03			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1	1			
Paved Width (ft)	16	13			
Lane Width (ft)	16	13			
Shoulder Width (ft)	3	5			
Roadway Condition Information					
PCR (Pavement Condition Rating)	90	93			
RCI (Roughness Condition Index)	88	-1			
SCR (Surface Condition Rating)	92	93			
Alligator Cracking Index	100	100			
Rutting Index	92	94			
Patching Index	100	100			
Transverse Cracking Index	100	100			
Longitudinal Cracking Index	99	99			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0203 Miller Cutoff

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



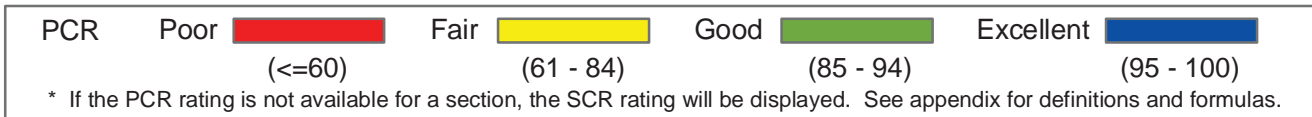
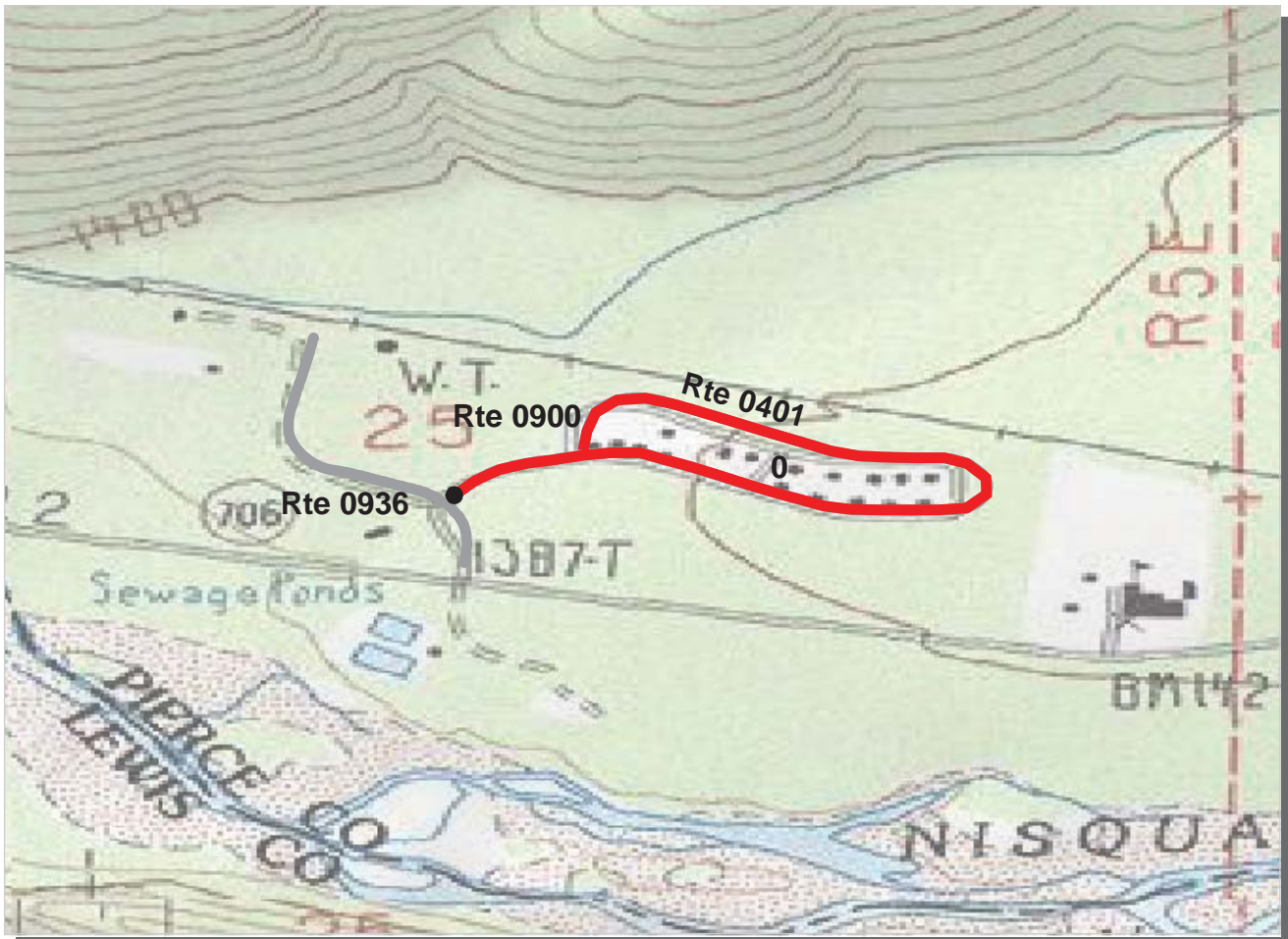
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0400 Tahoma Woods Administrative Road **TOTAL LENGTH: 0.31 Miles**

Section Number	0				
Section Length (mi)	0.31				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	48				
RCI (Roughness Condition Index)	58				
SCR (Surface Condition Rating)	47				
Alligator Cracking Index	72				
Rutting Index	80				
Patching Index	99				
Transverse Cracking Index	97				
Longitudinal Cracking Index	94				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0400 Tahoma Woods Administrative Road

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



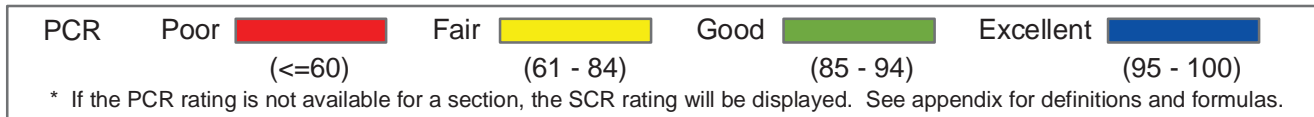
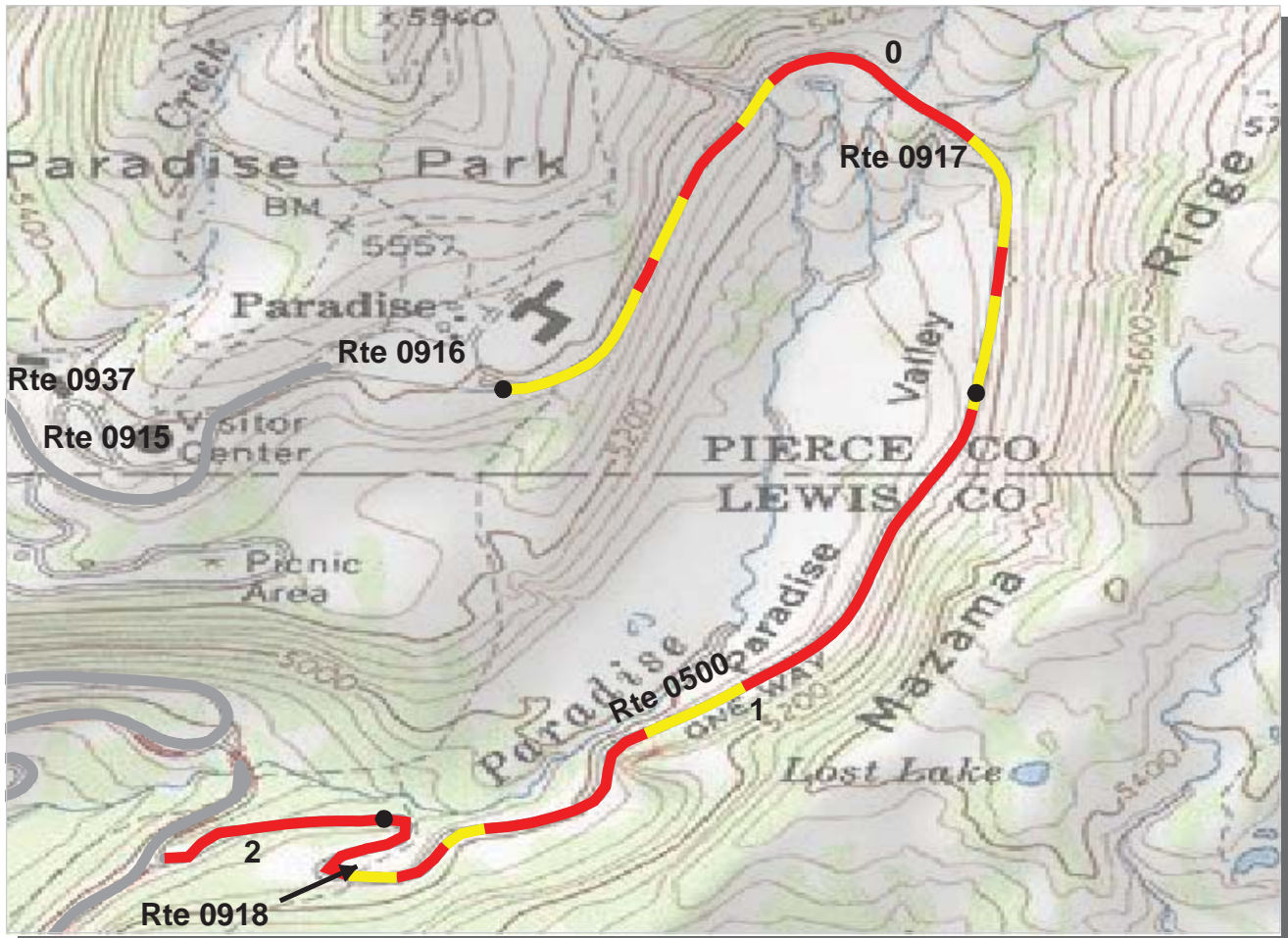
Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0401 Tahoma Woods Residential Road **TOTAL LENGTH: 0.77 Miles**

Section Number	0				
Section Length (mi)	0.77				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	25				
RCI (Roughness Condition Index)	43				
SCR (Surface Condition Rating)	15				
Alligator Cracking Index	81				
Rutting Index	33				
Patching Index	99				
Transverse Cracking Index	93				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0401 Tahoma Woods Residential Road

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



Pacific West Region
MORA : Mount Rainier National Park

ROUTE: 0500 Valley Road **TOTAL LENGTH: 2.21 Miles**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.21		
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	1	1		
Paved Width (ft)	20	22	21		
Lane Width (ft)	10	22	21		
Shoulder Width (ft)	4	0	0		
Roadway Condition Information					
PCR (Pavement Condition Rating)	58	47	48		
RCI (Roughness Condition Index)	58	49	40		
SCR (Surface Condition Rating)	58	46	50		
Alligator Cracking Index	100	99	99		
Rutting Index	60	49	52		
Patching Index	99	97	100		
Transverse Cracking Index	99	99	99		
Longitudinal Cracking Index	98	99	99		
Shoulder Condition Rating	GOOD	N/A	N/A		
Drainage Condition Rating	GOOD	GOOD	GOOD		

ROUTE: 0500 Valley Road

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

Mount Rainier National Park

Route 0200B

White River Campground
From End of Route 0200A

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0200B	1.81	0.00	112392	1.94	GOOD / 90	AS

* Lane miles are based on 11' lane widths



Mount Rainier National Park

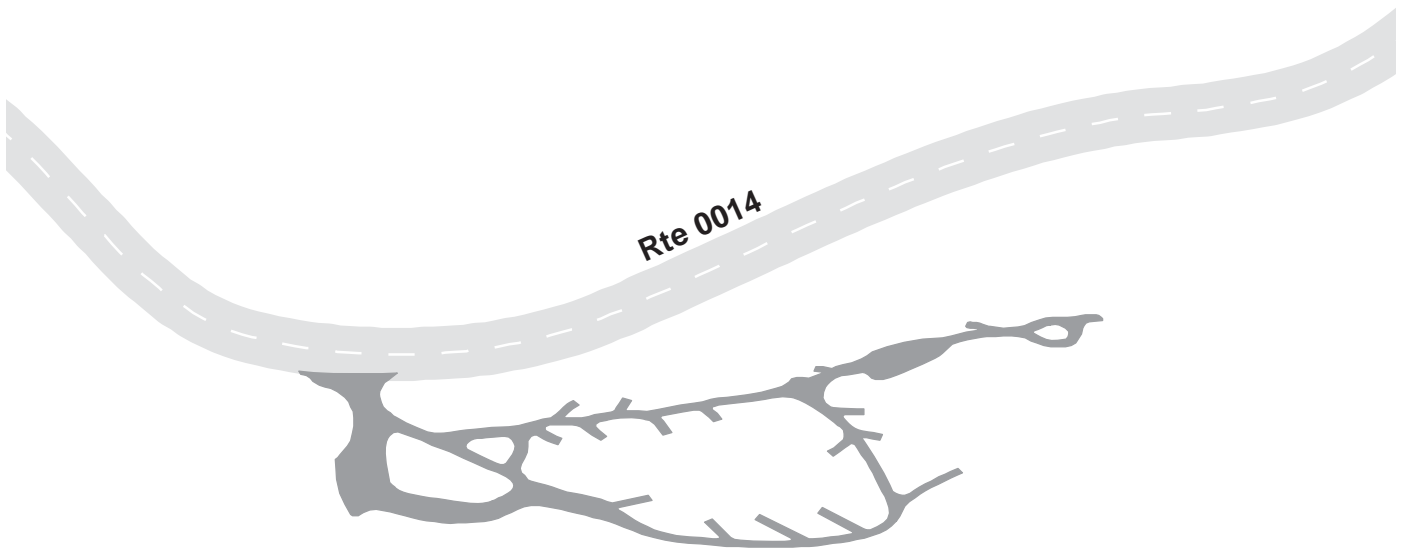
Route 0201

Sunshine Point Campground

From Route 0014 at MP 0.42

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0201	0.97	0.00	56594	0.97	FAIR / 73	AS

* Lane miles are based on 11' lane widths



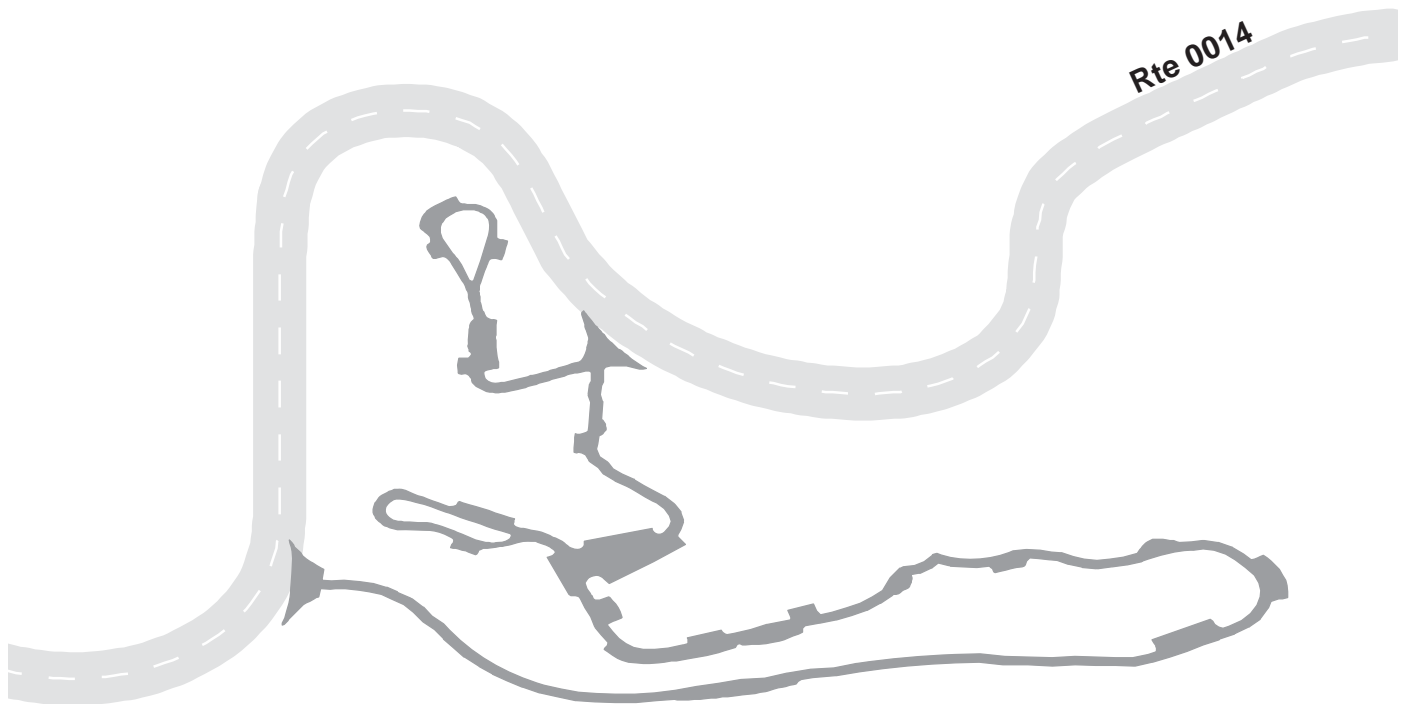
Mount Rainier National Park

Route 0202

Paradise Picnic Area Road
From Route 0014 at MP 16.8

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0202	0.86	0.00	159804	2.75	GOOD / 90	AS

* Lane miles are based on 11' lane widths



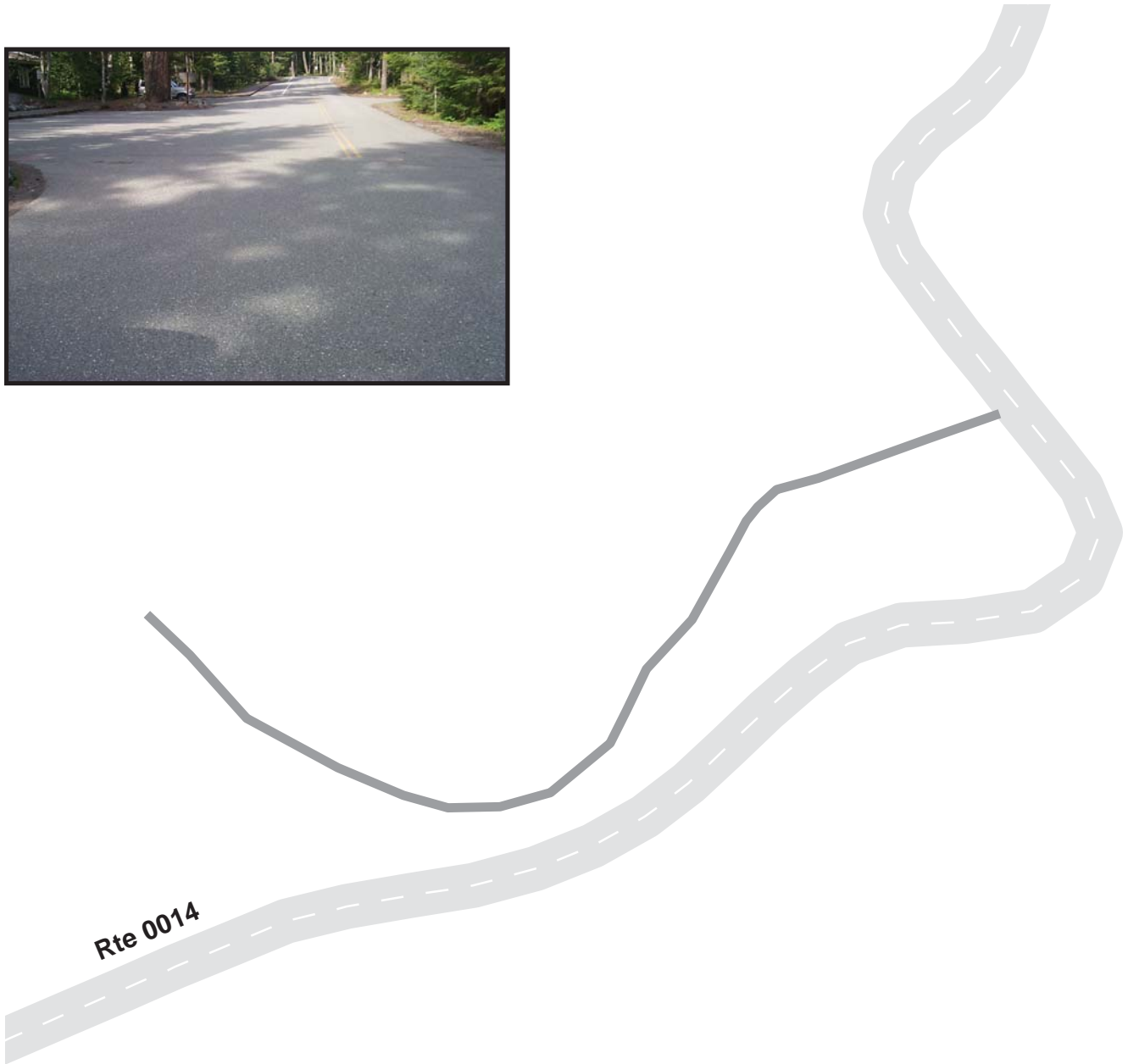
Mount Rainier National Park

Route 0205

Cougar Rock Campground
From Route 0014 at MP 8.56

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0205	0.39	26.00	53676	0.92	GOOD / 90	AS

* Lane miles are based on 11' lane widths



Mount Rainier National Park

Route 0205A

Cougar Rock Campground Loop A
From Route 0205

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0205A	0.27	13.00	18739	0.32	GOOD / 90	AS

* Lane miles are based on 11' lane widths



Mount Rainier National Park
Route 0205B
 Cougar Rock Campground Loop B
 From Route 0205

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0205B	0.30	13.00	20592	0.35	GOOD / 90	AS

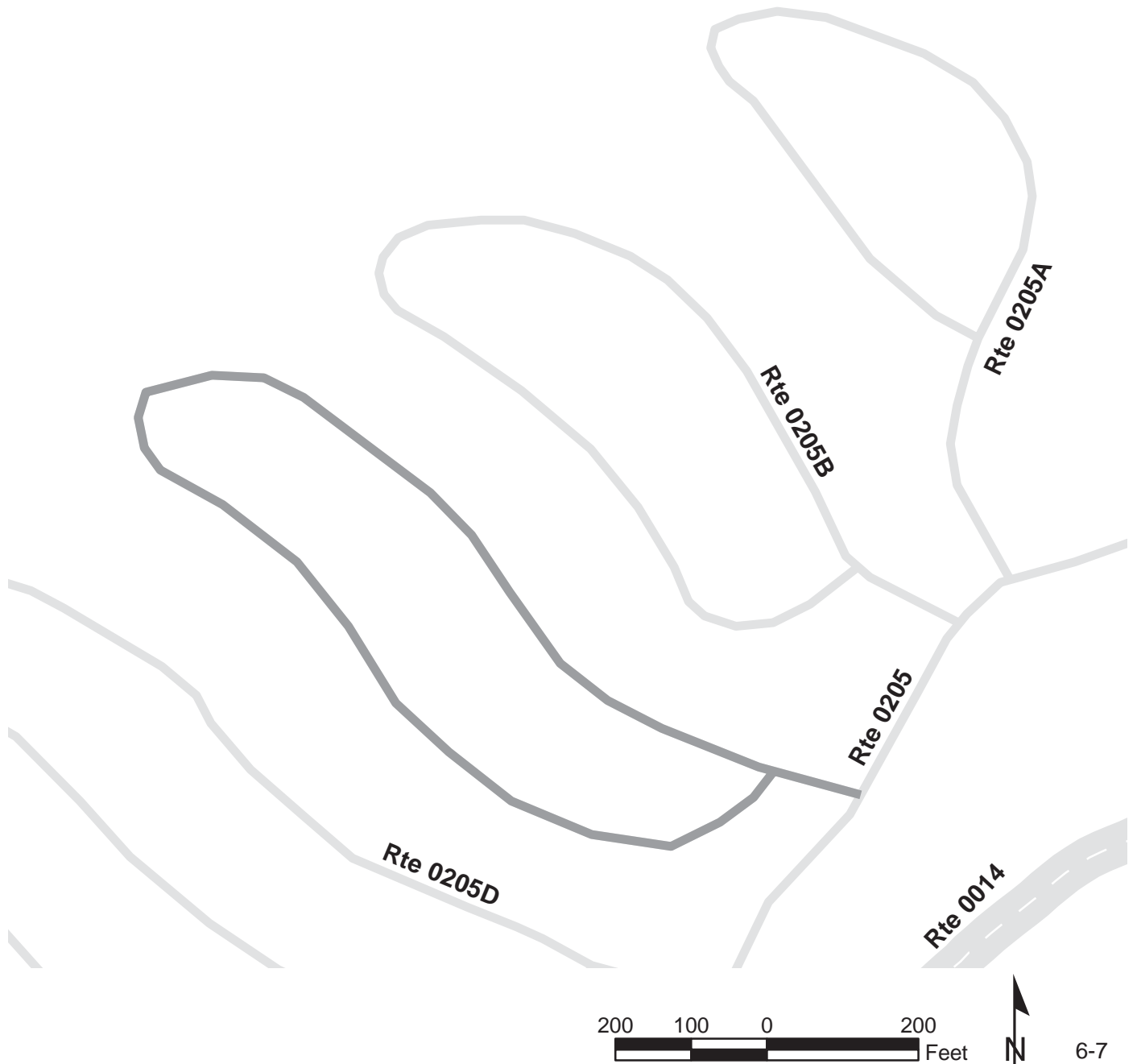
* Lane miles are based on 11' lane widths



Mount Rainier National Park
Route 0205C
 Cougar Rock Campground Loop C
 From Route 0205

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0205C	0.35	13.00	24161	0.42	GOOD / 90	AS

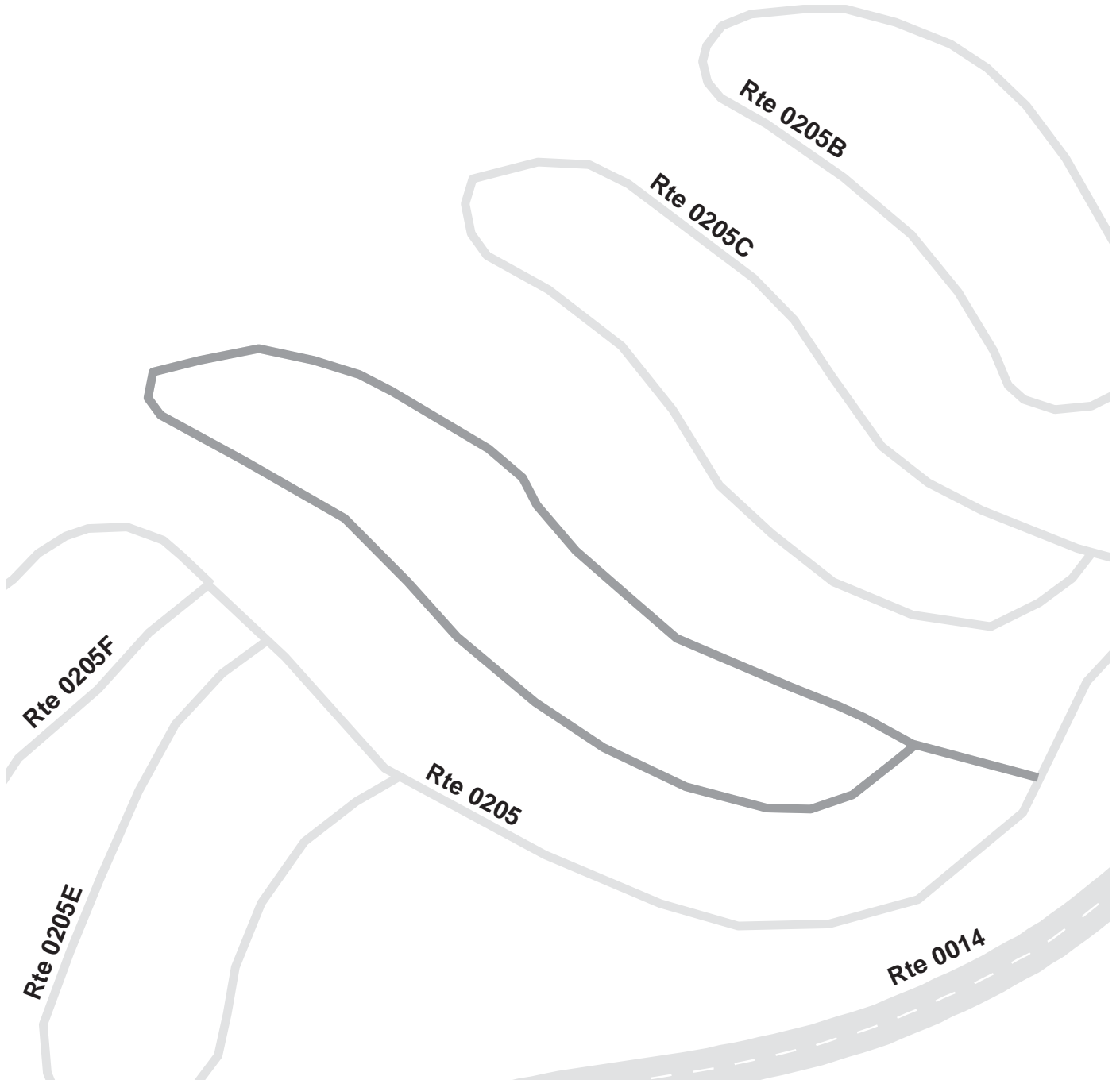
* Lane miles are based on 11' lane widths



Mount Rainier National Park
Route 0205D
 Cougar Rock Campground Loop D
 From Route 0205

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0205D	0.39	13.00	26770	0.46	GOOD / 90	AS

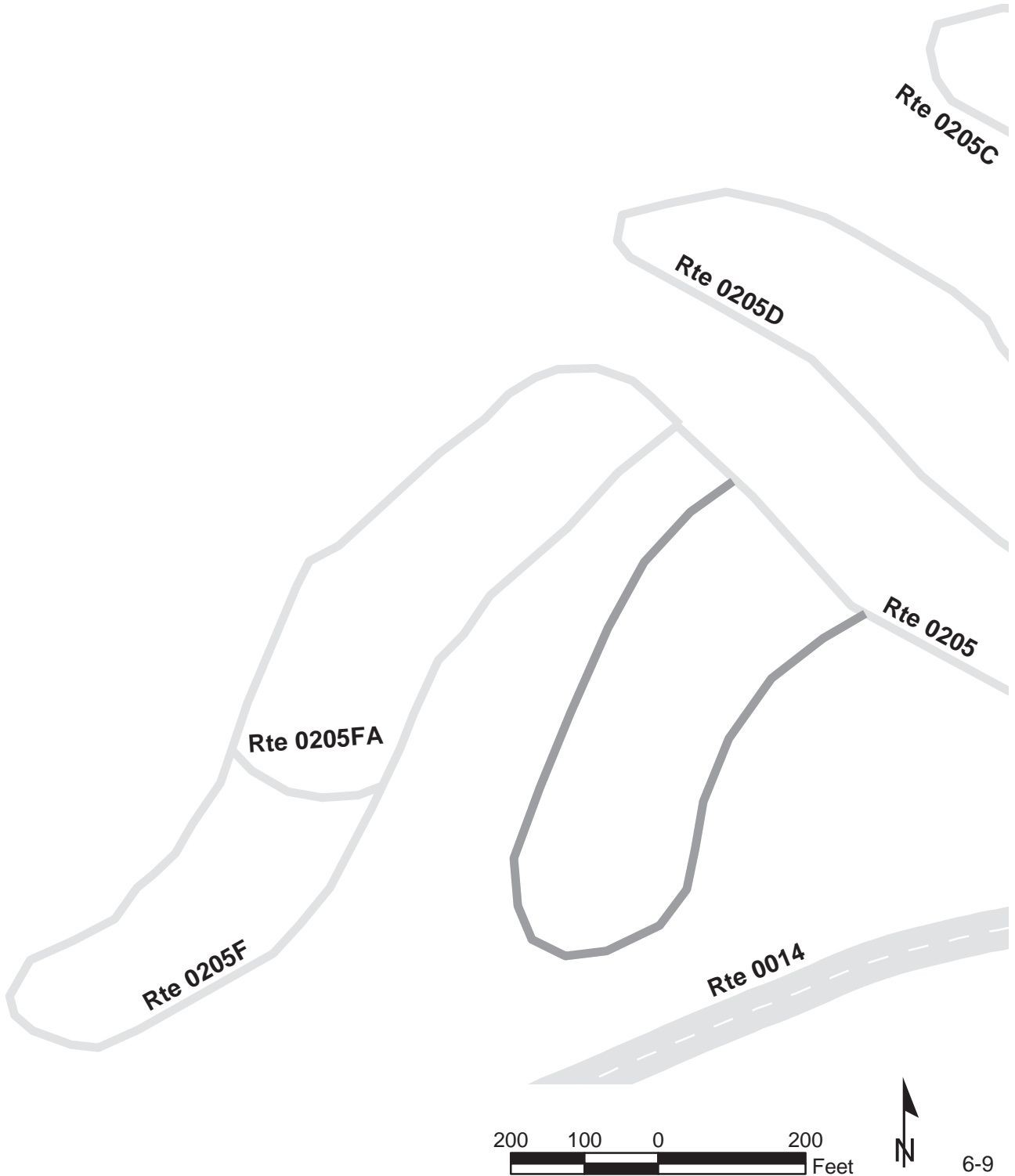
* Lane miles are based on 11' lane widths



Mount Rainier National Park
Route 0205E
 Cougar Rock Campground Loop E
 From Route 0205

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0205E	0.24	13.00	16748	0.29	GOOD / 90	AS

* Lane miles are based on 11' lane widths



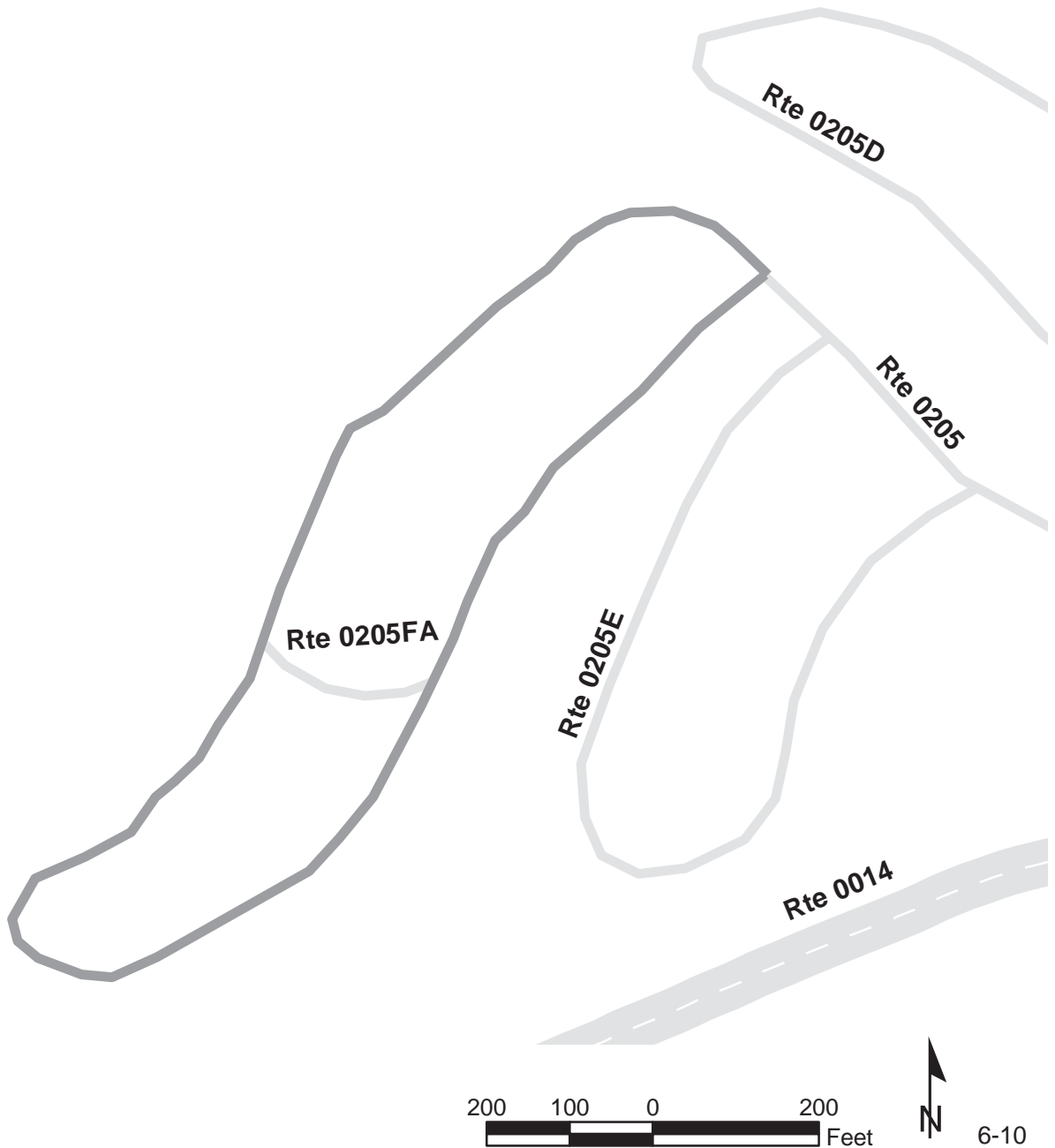
Mount Rainier National Park

Route 0205F

Cougar Rock Campground Loop F
From End of Route 0205

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0205F	0.44	13.00	30202	0.52	GOOD / 90	AS

* Lane miles are based on 11' lane widths



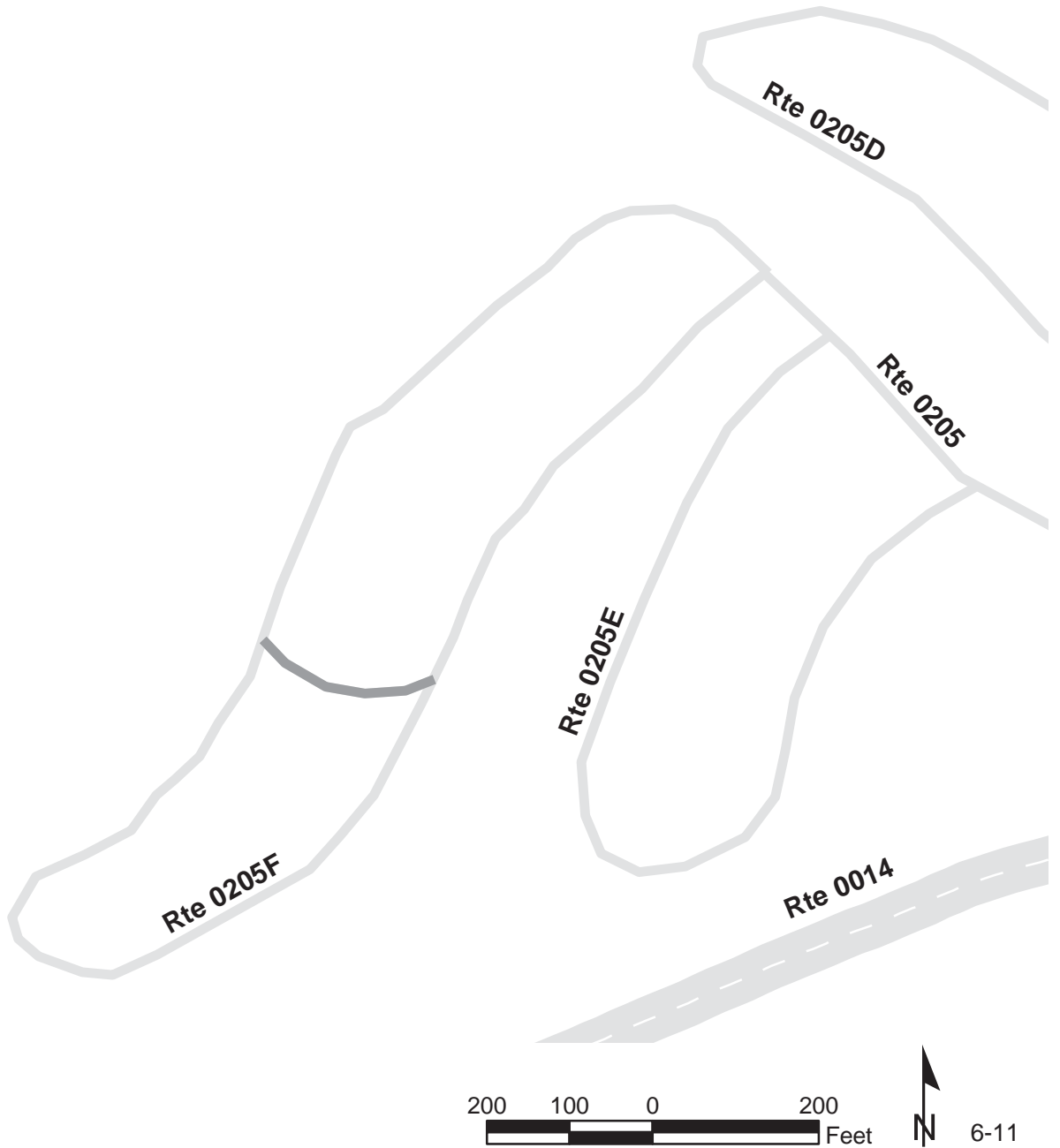
Mount Rainier National Park

Route 0205FA

Cougar Rock Campground Loop F Bisector
From Route 0205F

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0205FA	0.03	13.00	2265	0.04	GOOD / 90	AS

* Lane miles are based on 11' lane widths



Mount Rainier National Park

Route 0206

Ohanapecosh Campground

From Route 0010 at MP 1.1

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0206	0.66	19.00	66211	1.14	GOOD / 90	AS

* Lane miles are based on 11' lane widths



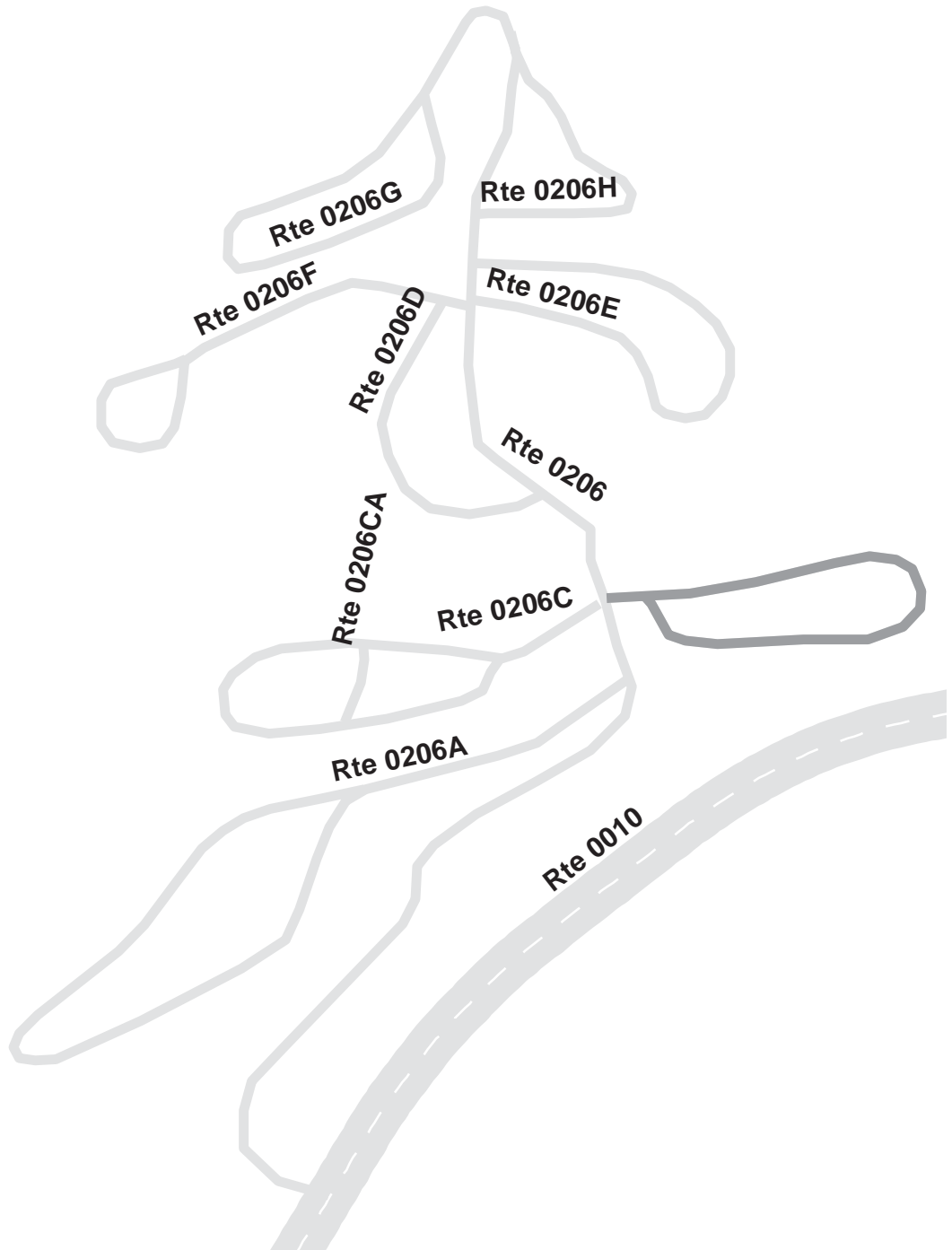
Mount Rainier National Park

Route 0206B

Ohanapecosh Campground Loop B
From Route 0206

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0206B	0.25	19.00	24578	0.42	GOOD / 90	AS

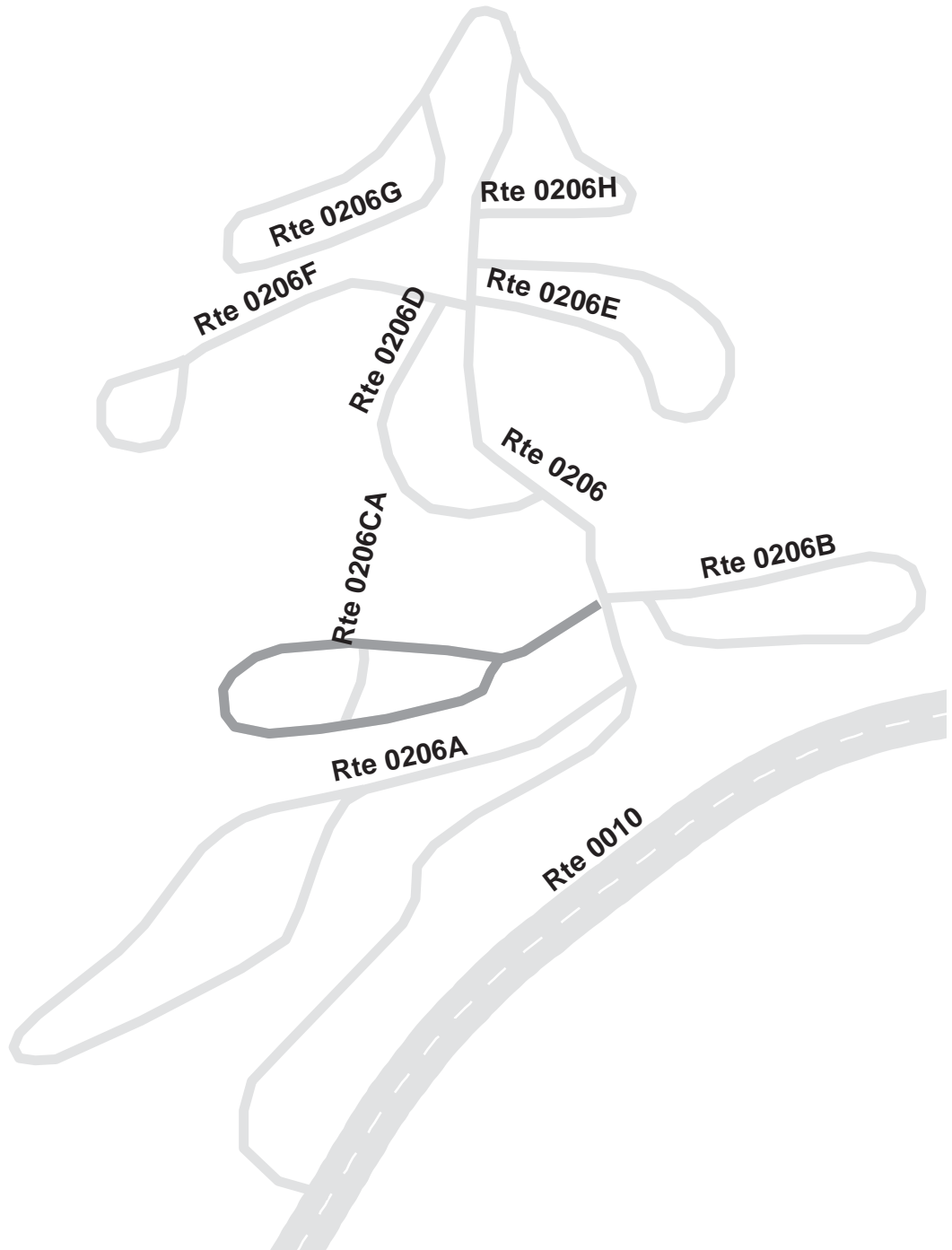
* Lane miles are based on 11' lane widths



Mount Rainier National Park
Route 0206C
 Ohanapecosh Campground Loop C
 From Route 0206

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0206C	0.28	19.00	27688	0.48	GOOD / 90	AS

* Lane miles are based on 11' lane widths



Mount Rainier National Park

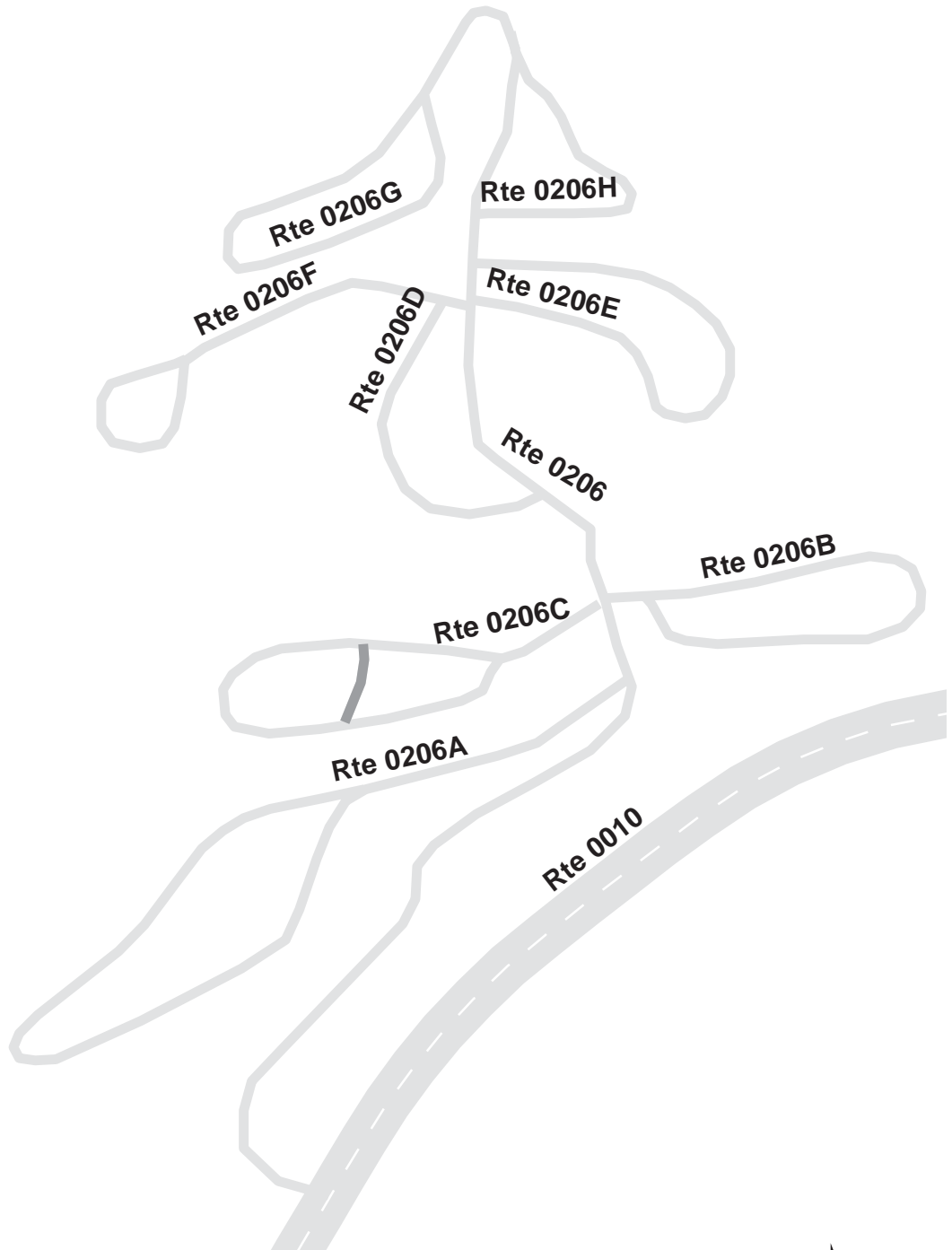
Route 0206CA

Ohanapecosh Campground Loop C Bisector

From Route 0206C

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0206CA	0.04	19.00	4013	0.07	GOOD / 90	AS

* Lane miles are based on 11' lane widths



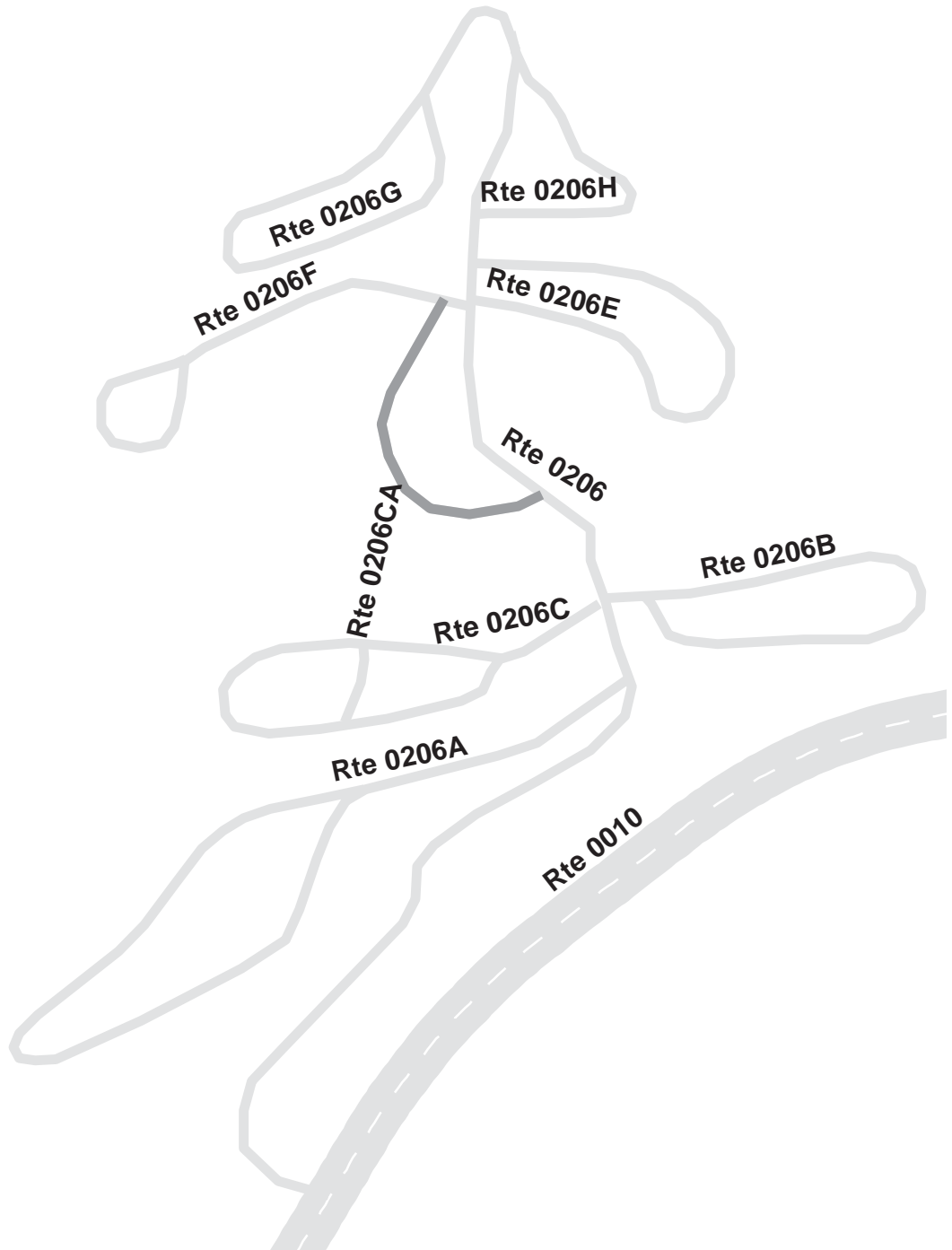
Mount Rainier National Park

Route 0206D

Ohanapecosh Campground Loop D
From Route 0206F

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0206D	0.15	19.00	15349	0.26	GOOD / 90	AS

* Lane miles are based on 11' lane widths



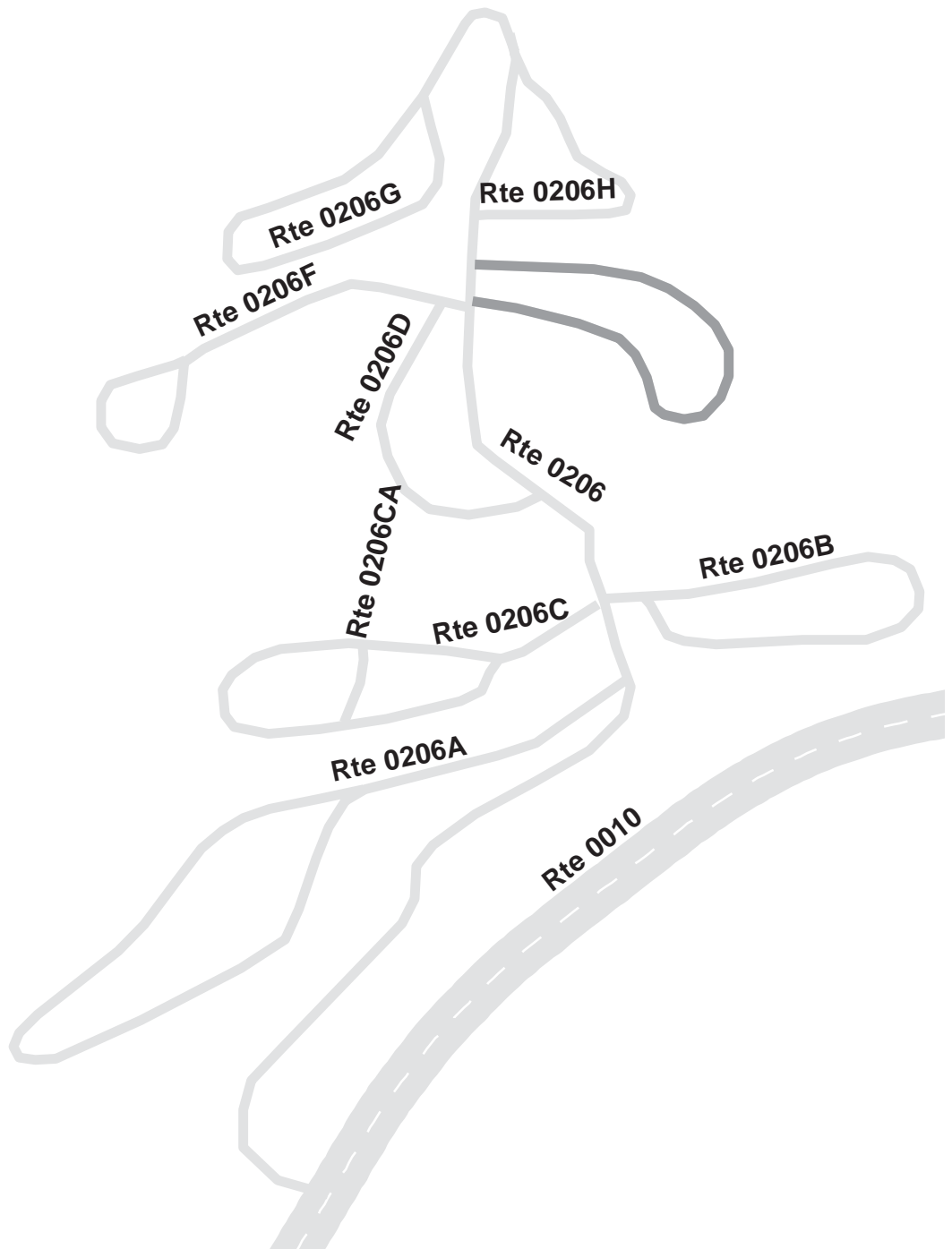
Mount Rainier National Park

Route 0206E

Ohanapecosh Campground Loop E
From Route 0206

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0206E	0.25	19.00	25180	0.43	GOOD / 90	AS

* Lane miles are based on 11' lane widths



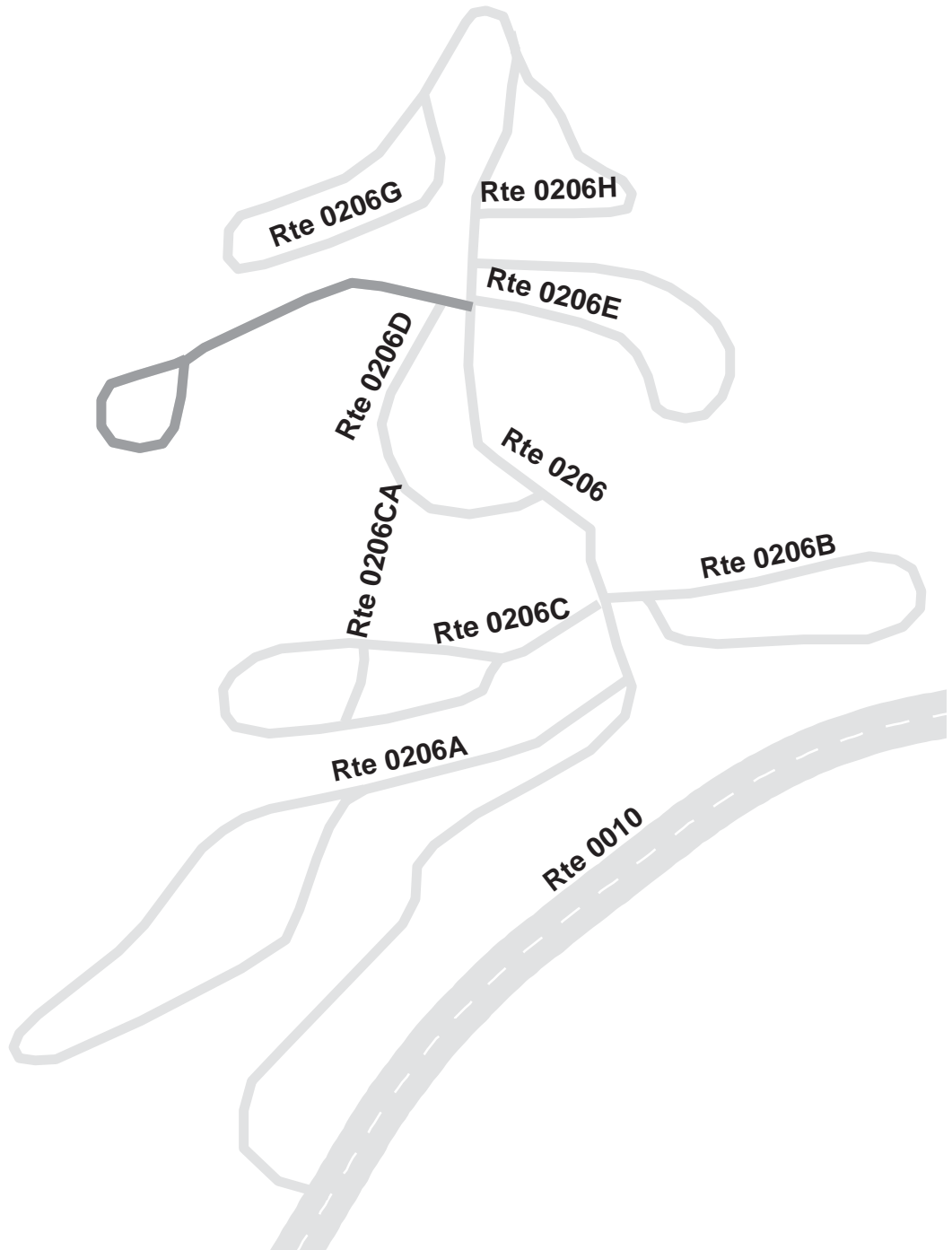
Mount Rainier National Park

Route 0206F

Ohanapecosh Campground Loop F
From Route 0206

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0206F	0.23	19.00	23274	0.40	GOOD / 90	AS

* Lane miles are based on 11' lane widths



Mount Rainier National Park

Route 0206G

Ohanapecosh Campground Loop G
From End of Route 0206

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0206G	0.32	19.00	32002	0.55	GOOD / 90	AS

* Lane miles are based on 11' lane widths



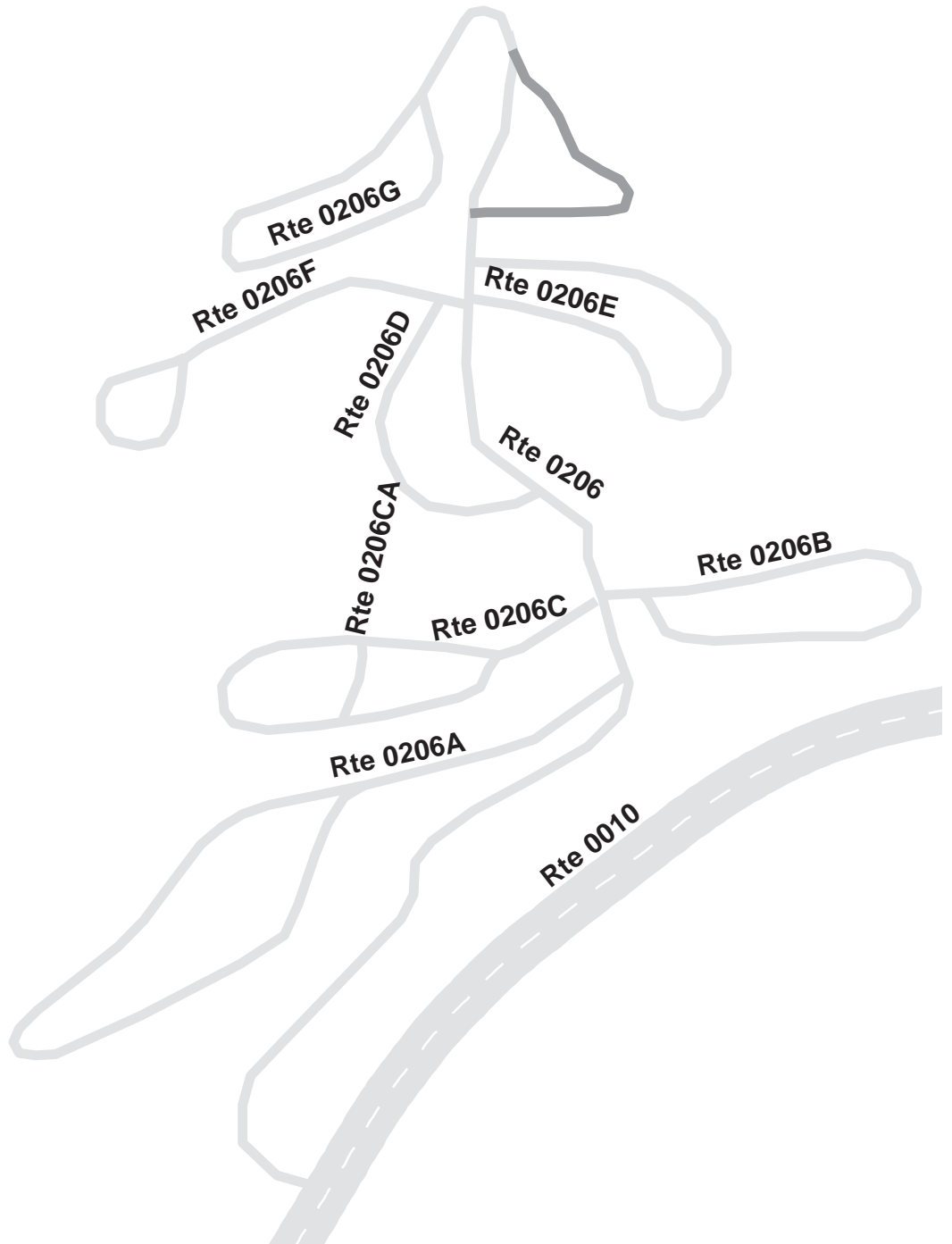
Mount Rainier National Park

Route 0206H

Ohanapecosh Campground Loop H
From Route 0206

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0206H	0.15	19.00	14546	0.25	GOOD / 90	AS

* Lane miles are based on 11' lane widths



Mount Rainier National Park
Route 0209
Sunrise Picnic Area
From Route 0935 (West End of Lodge)

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0209	0.38	18.00	35735	0.62	POOR / 45	AS

* Lane miles are based on 11' lane widths



Mount Rainier National Park

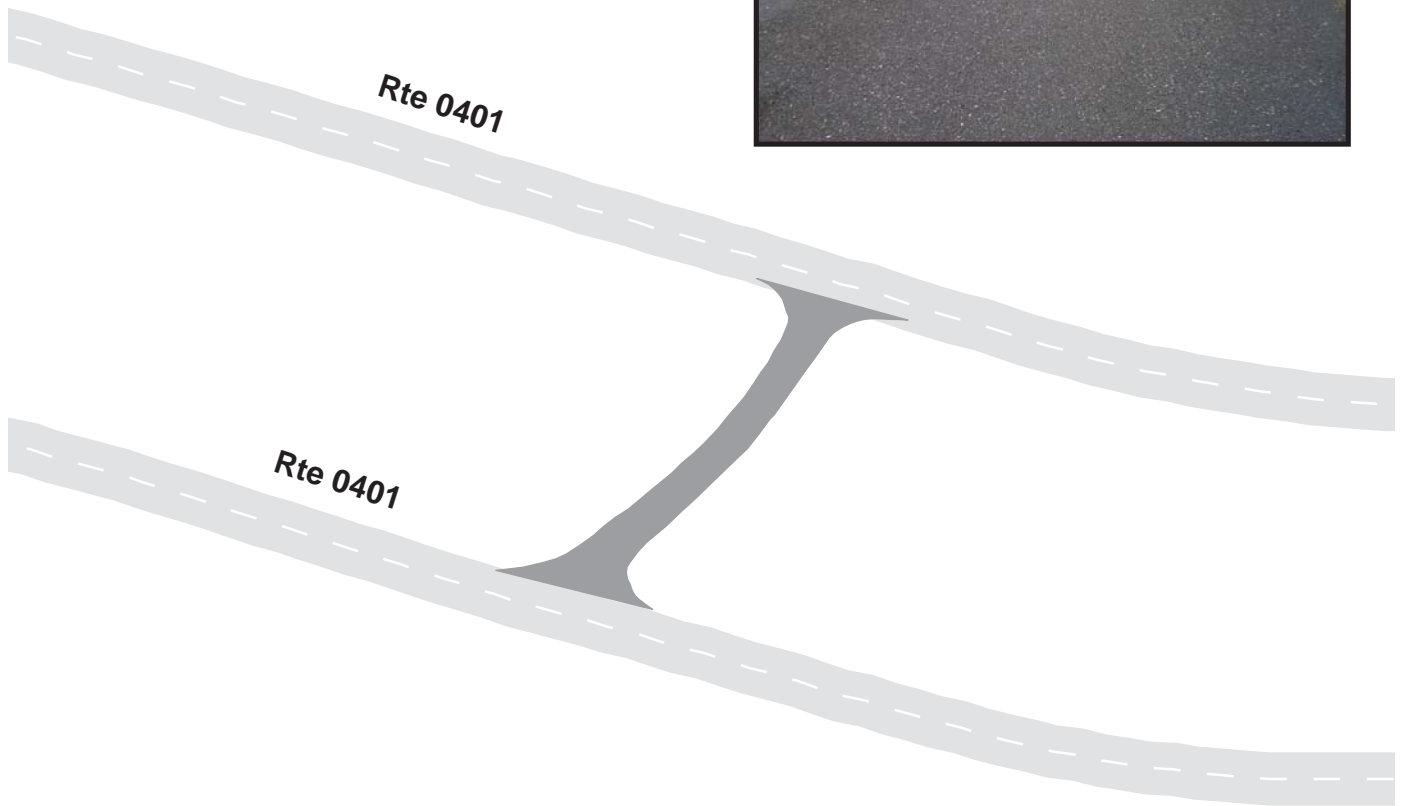
Route 0401A

Tahoma Woods Residential Road Bisector

From Route 0401 at MP 0.22

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0401A	0.06	0.00	6910	0.12	FAIR / 73	AS

* Lane miles are based on 11' lane widths



Mount Rainier National Park Route 0404

Longmire Sewage Treatment Road
From Route 0100 at MP 1.2

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0404	0.10	0.00	6596	0.11	GOOD / 90	AS

* Lane miles are based on 11' lane widths



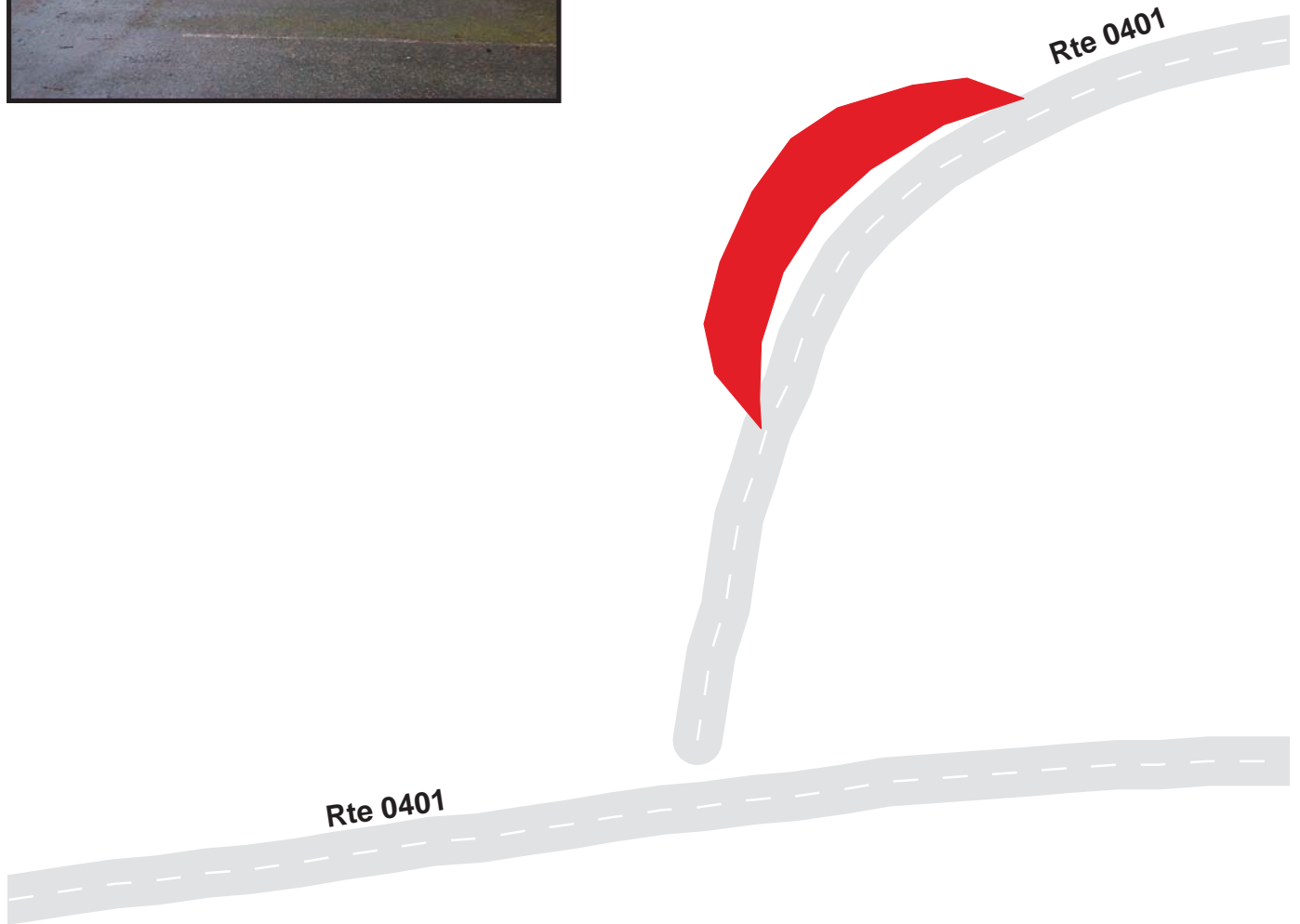
Mount Rainier National Park

Route 0900

Tahoma Woods Residential Parking and Loop Bisector
Adjacent to Route 0401 at MP 0.74 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900	Public	6/9/2001	2875	0.05	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Mount Rainier National Park

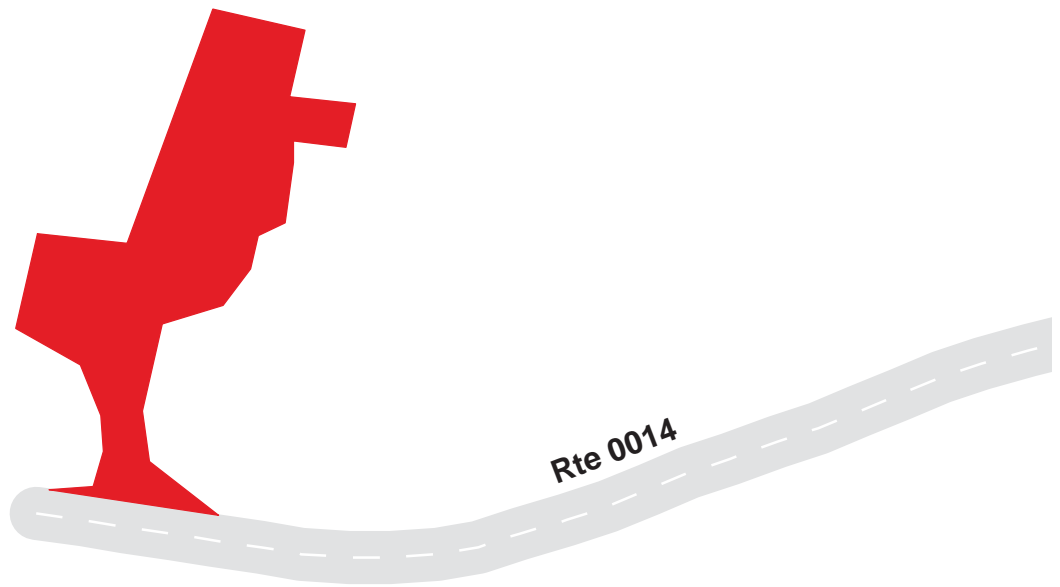
Route 0901

Nisqually Entrance Service Area Parking

From Route 0014 at MP 0.01

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	NonPublic	6/10/2001	6979	0.12	AS	POOR / 45

* Lane miles are based on 11' lane widths



Mount Rainier National Park

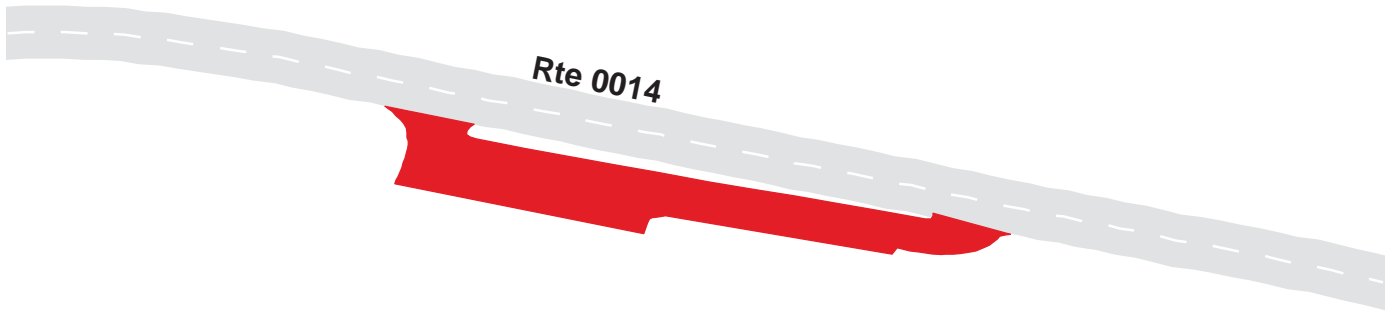
Route 0902

Kuatz Creek Trailhead Parking

From Route 0014 at MP 3.40

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902	Public	6/10/2001	17750	0.31	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Mount Rainier National Park

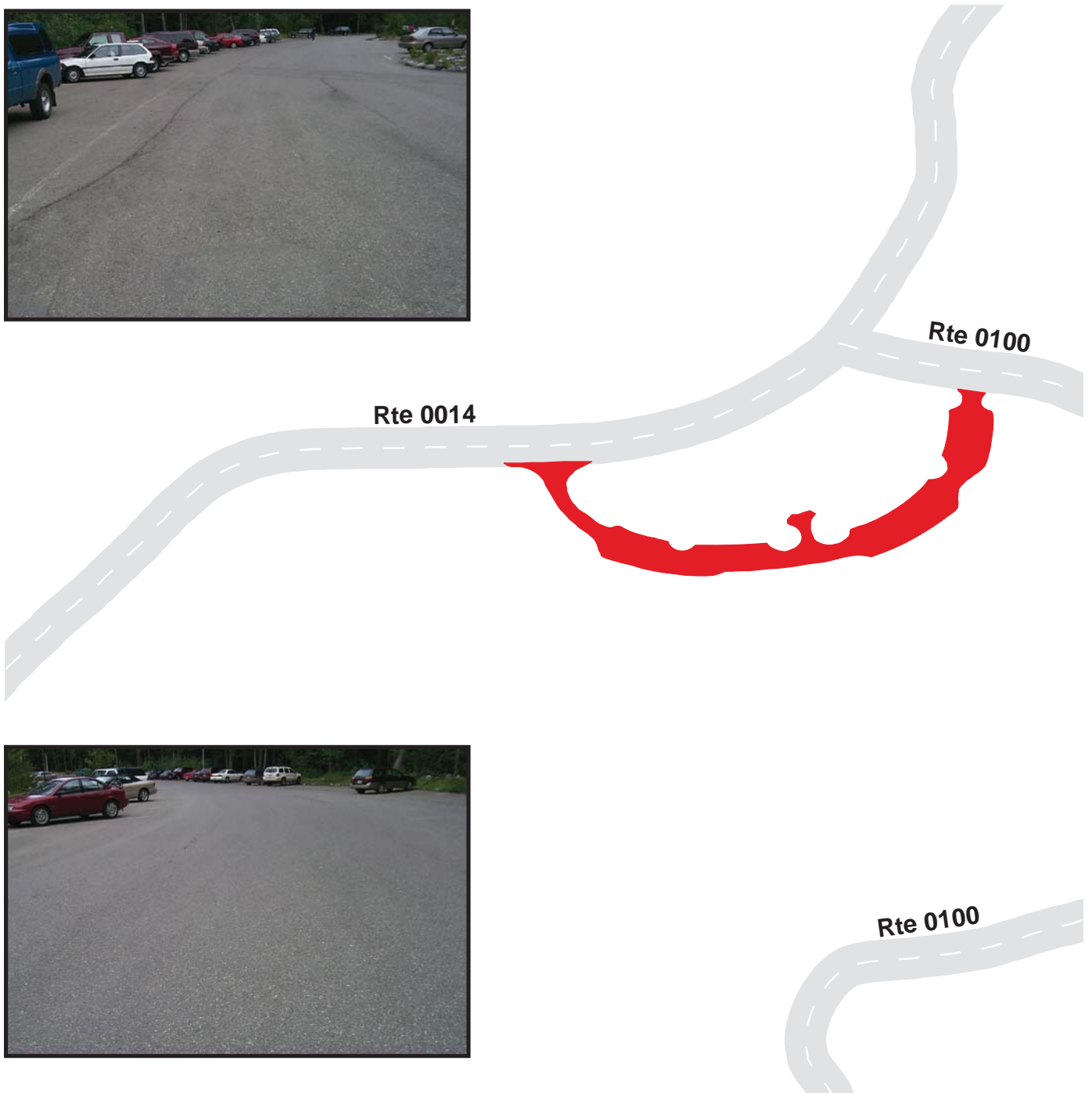
Route 0903A

Longmire Ranger Station Loop Parking A

From Route 0014 at MP 6.40

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903A	Public	6/10/2001	55688	0.96	AS	GOOD / 90

* Lane miles are based on 11' lane widths



300 150 0 300 Feet



Mount Rainier National Park

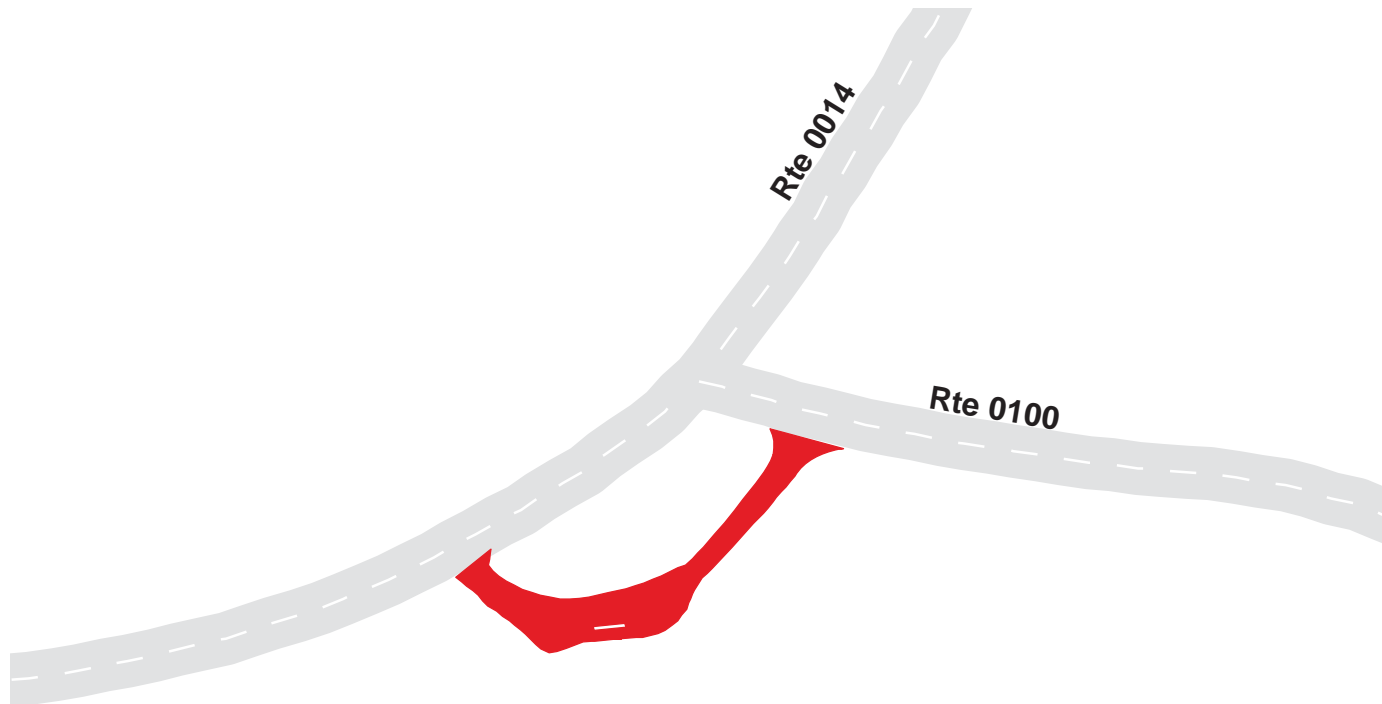
Route 0903B

Longmire Ranger Station Loop Parking B

From Route 0014 at MP 6.44

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903B	Public	6/10/2001	6165	0.11	AS	GOOD / 90

* Lane miles are based on 11' lane widths



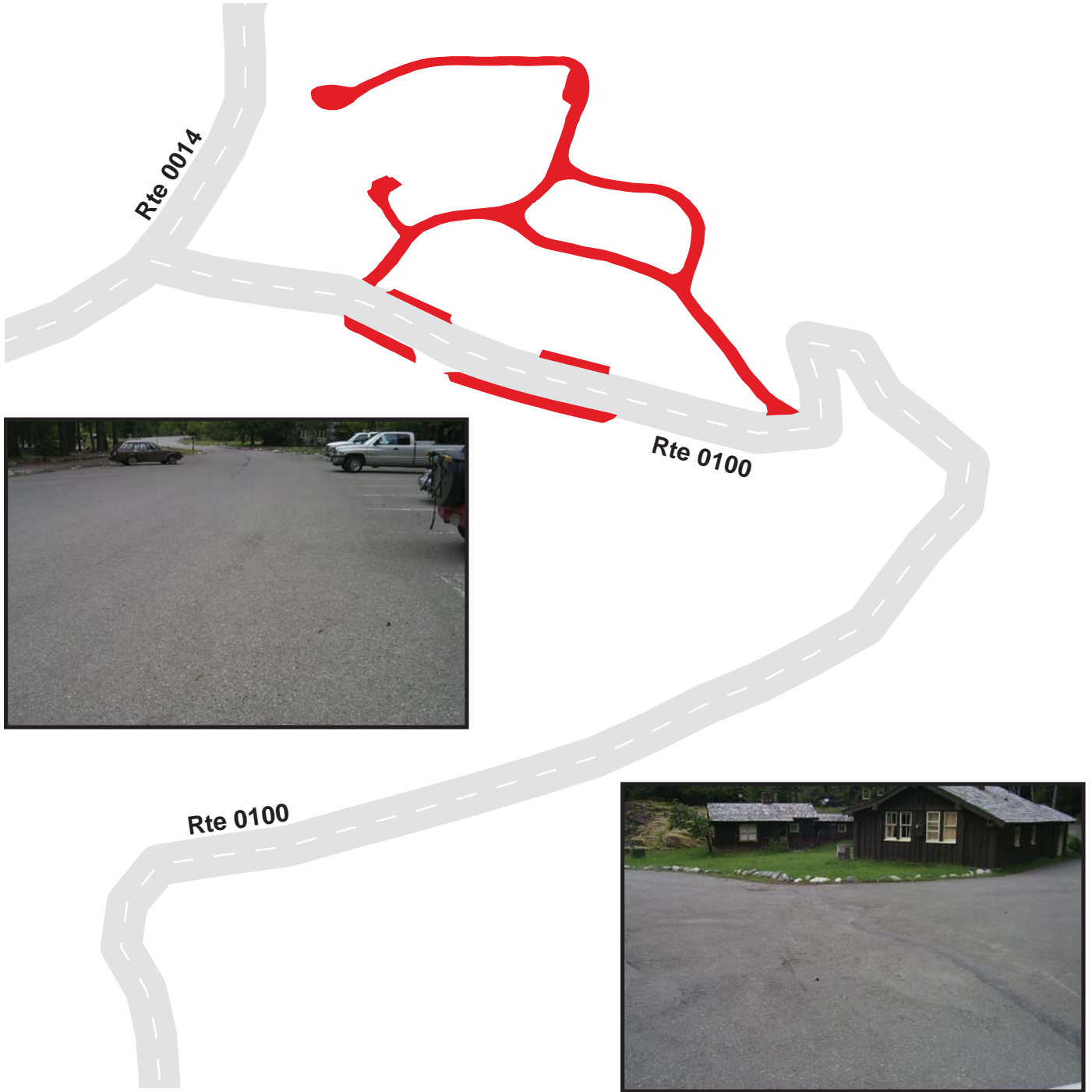
Mount Rainier National Park

Route 0904

Longmire Residence Area Parking
From Route 0100 on Left and Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904	NonPublic	6/10/2001	64554	1.11	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Mount Rainier National Park

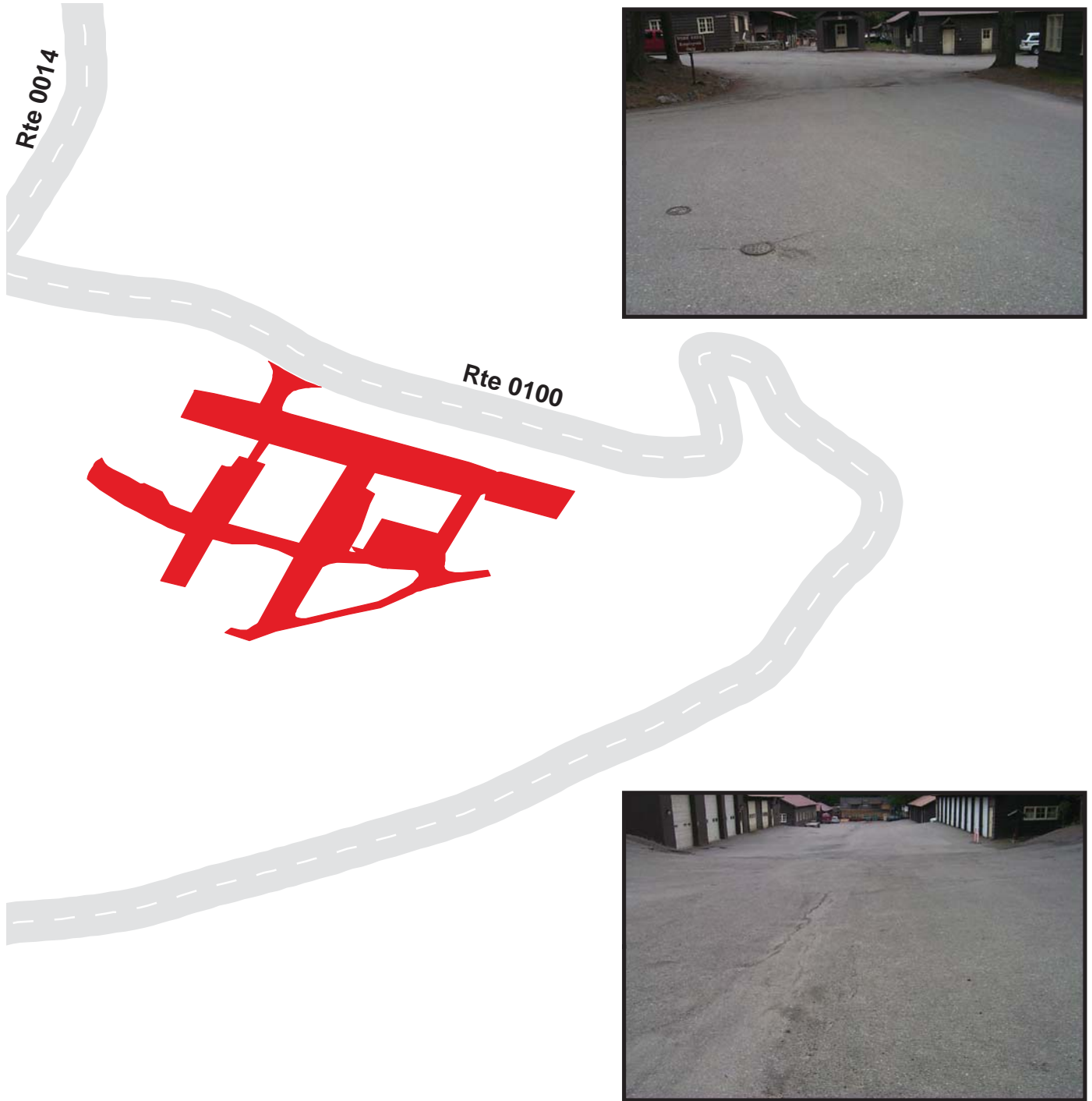
Route 0905

Longmire Maintenance Area Parking

From Route 0100 at MP 0.1

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905	NonPublic	6/10/2001	106652	1.84	AS	FAIR / 73

* Lane miles are based on 11' lane widths



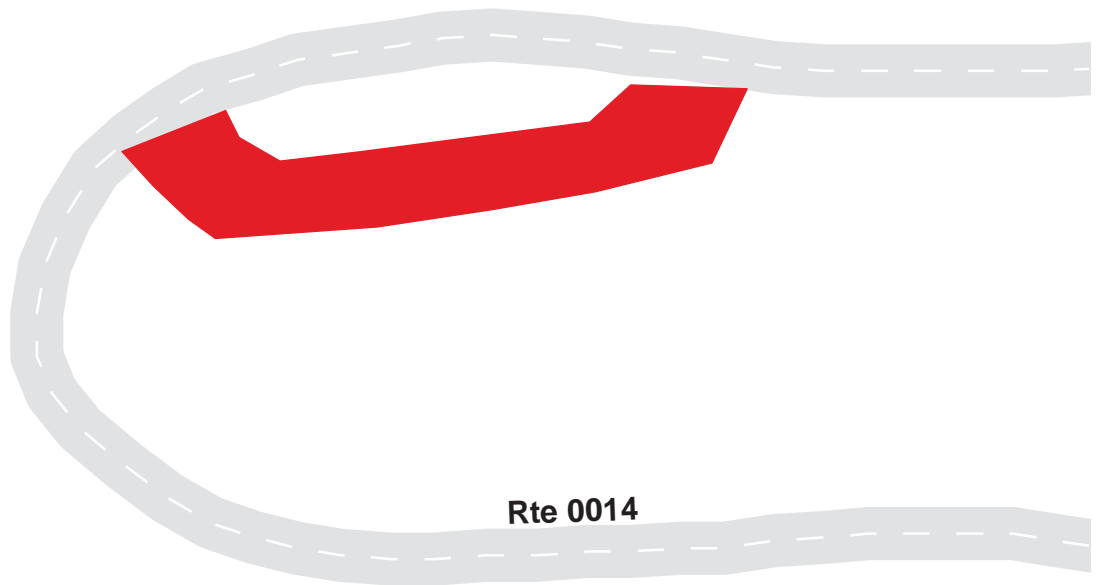
Mount Rainier National Park

Route 0906

Wonderland Trail Parking
From Route 0014 at MP 6.8

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	Public	6/8/2001	4848	0.08	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

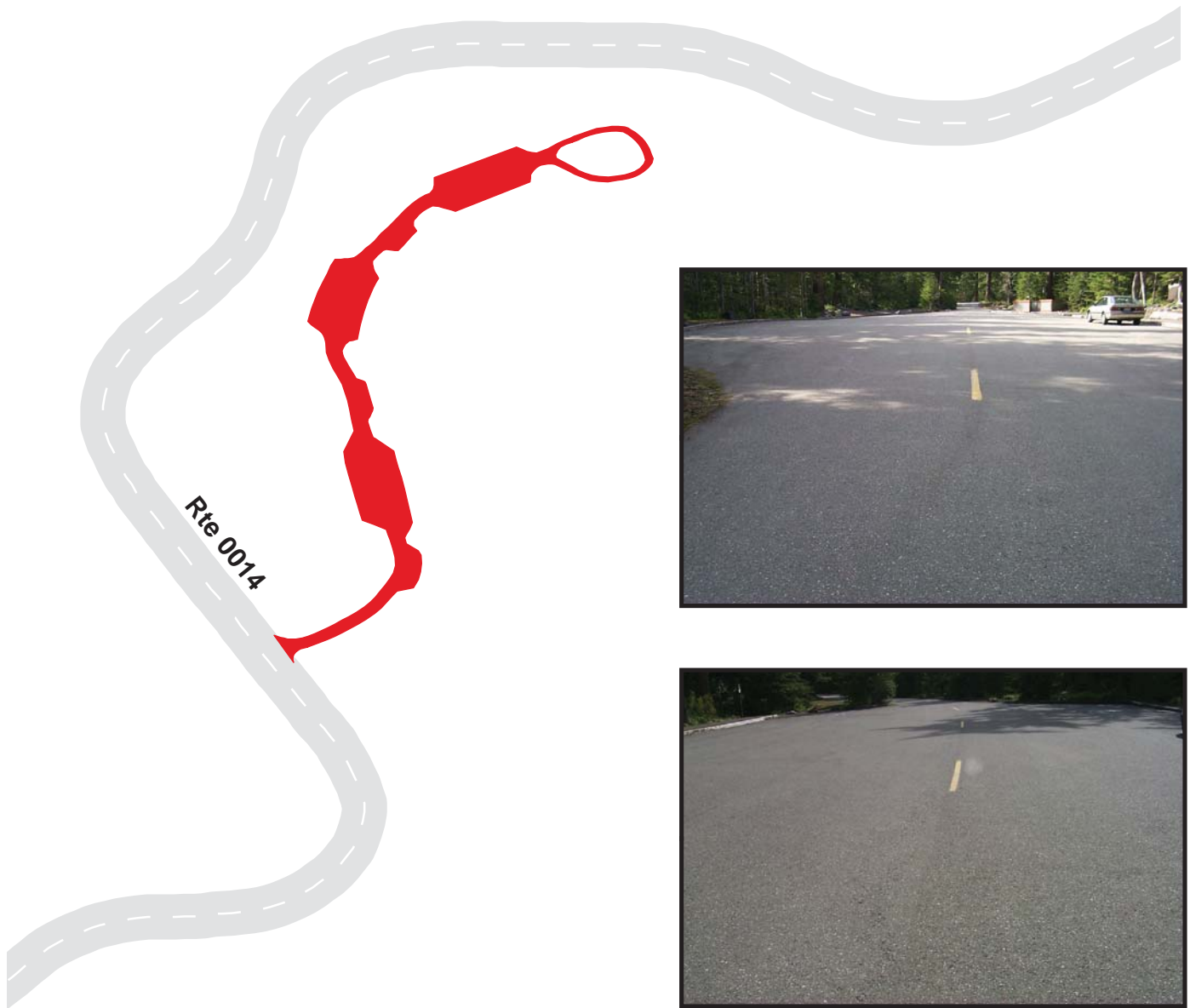
Route 0907

Cougar Rock Picnic Area Parking

From Route 0014 at MP 8.56

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907	Public	6/8/2001	51750	0.89	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

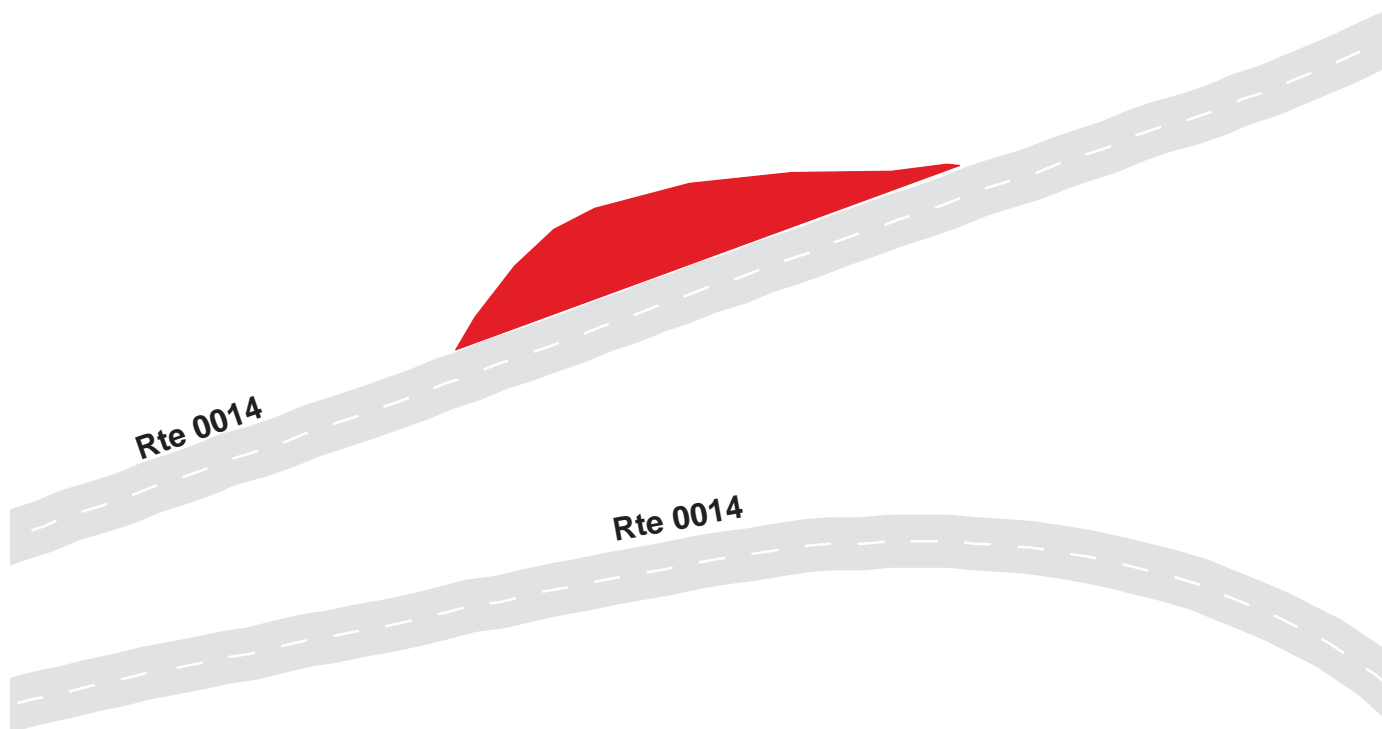
Route 0908

Van Trump Park Trailhead Parking

From Route 0014 at MP 10.4

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0908	Public	6/9/2001	7975	0.14	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

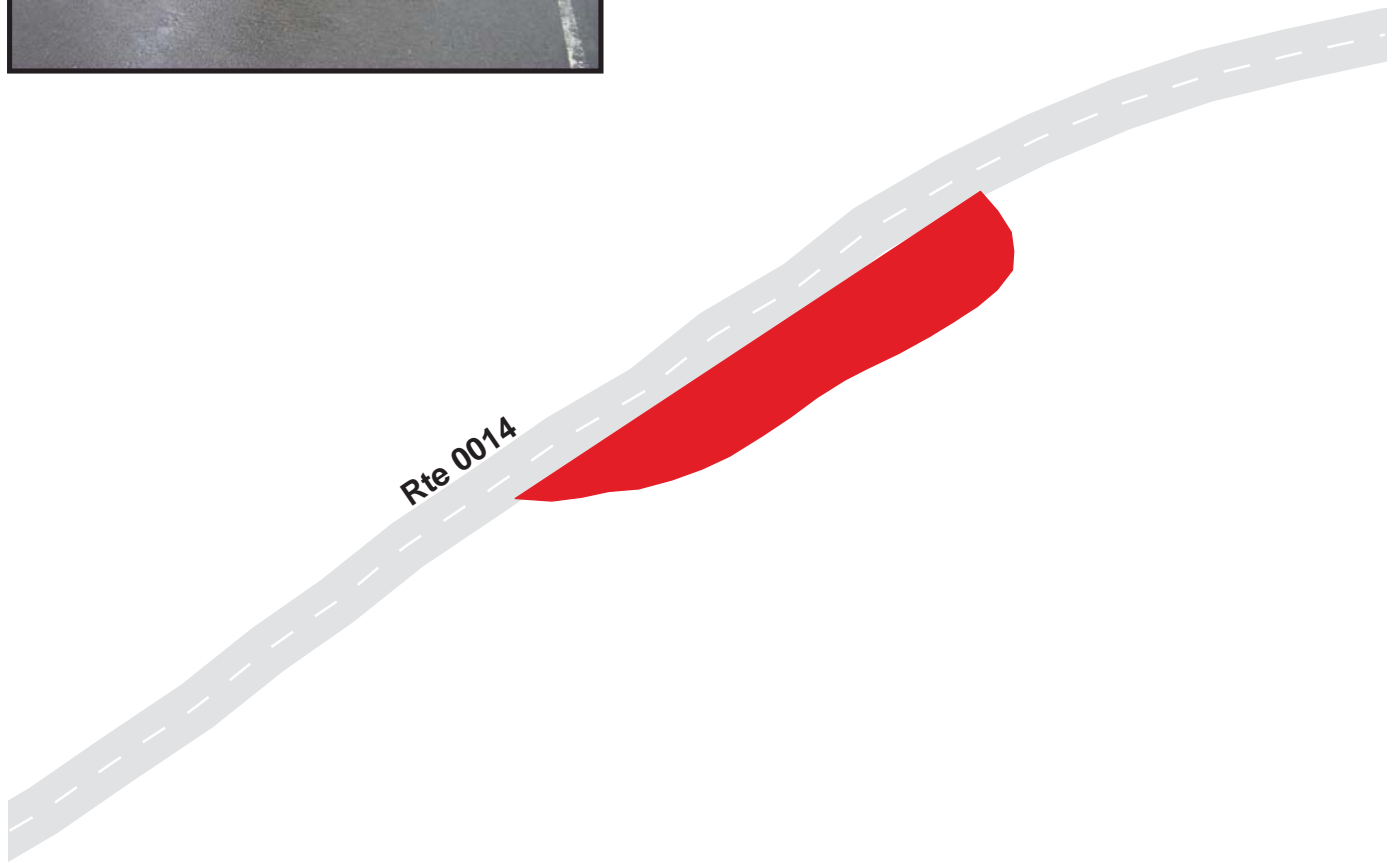
Route 0909A

Christine Falls Viewpoint Parking A

From Route 0014 at MP 10.66

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0909A	Public	6/8/2001	1124	0.02	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

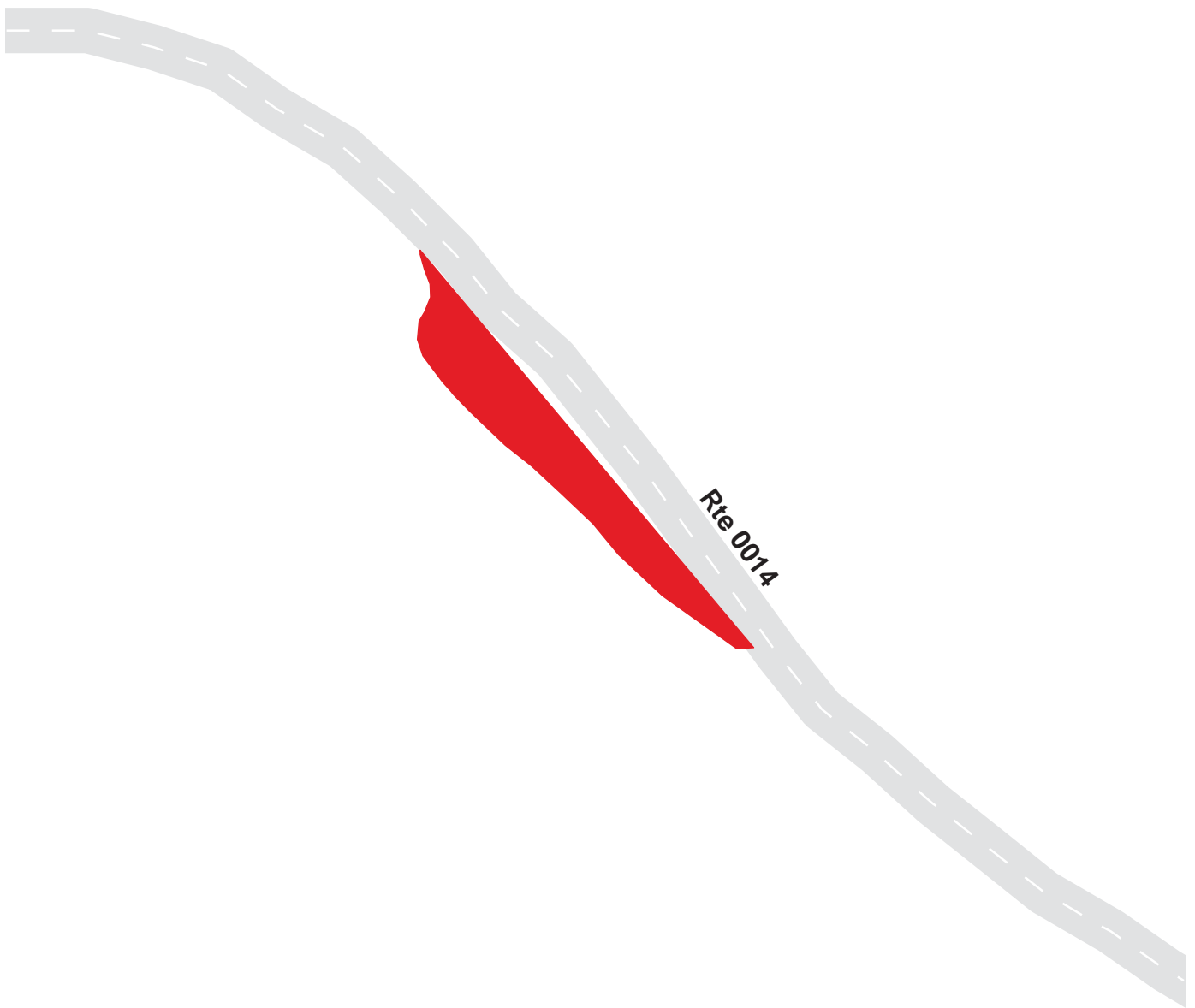
Route 0909B

Christine Falls Viewpoint Parking B

From Route 0014 at MP 10.72

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0909B	Public	6/8/2001	980	0.02	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

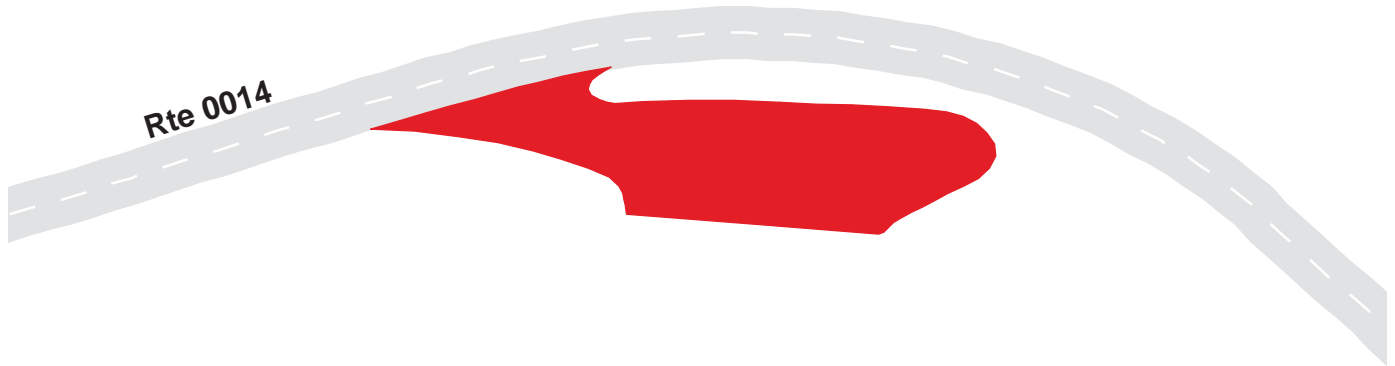
Route 0910A

Glacier Hill Chainup Parking A

From Route 0014 at MP 11.50

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0910A	Public	6/8/2001	23597	0.41	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

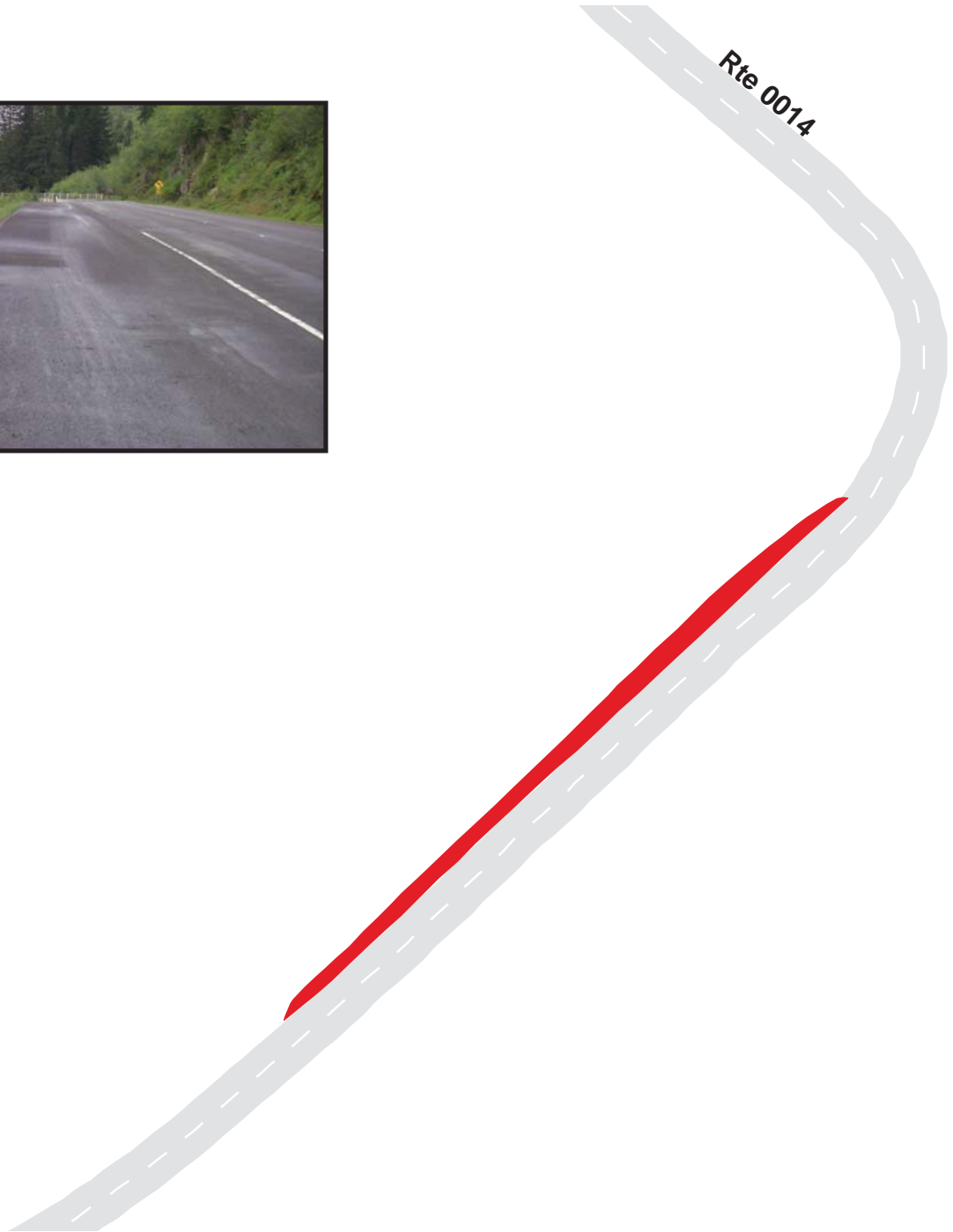
Route 0910B

Glacier Hill Chainup Parking B

From Route 0014 at MP 11.80

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0910B	Public	6/8/2001	9783	0.17	AS	GOOD / 90

* Lane miles are based on 11' lane widths



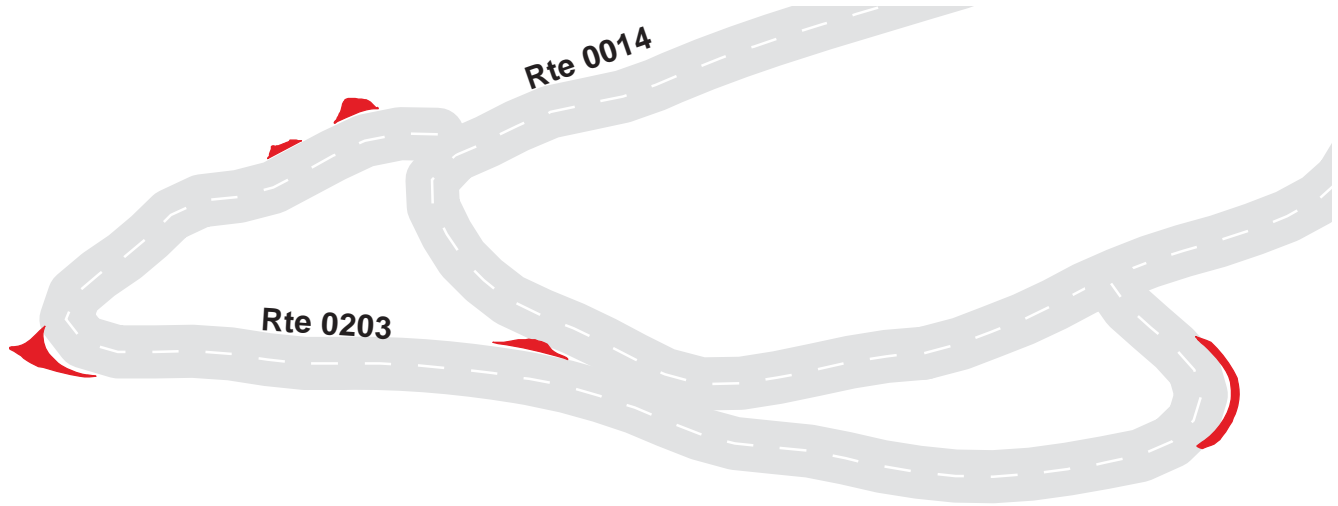
Mount Rainier National Park

Route 0911

Rick Sacker Point Parking
From Route 203 (All Pullofs along this Route)

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0911	Public	6/8/2001	34816	0.60	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

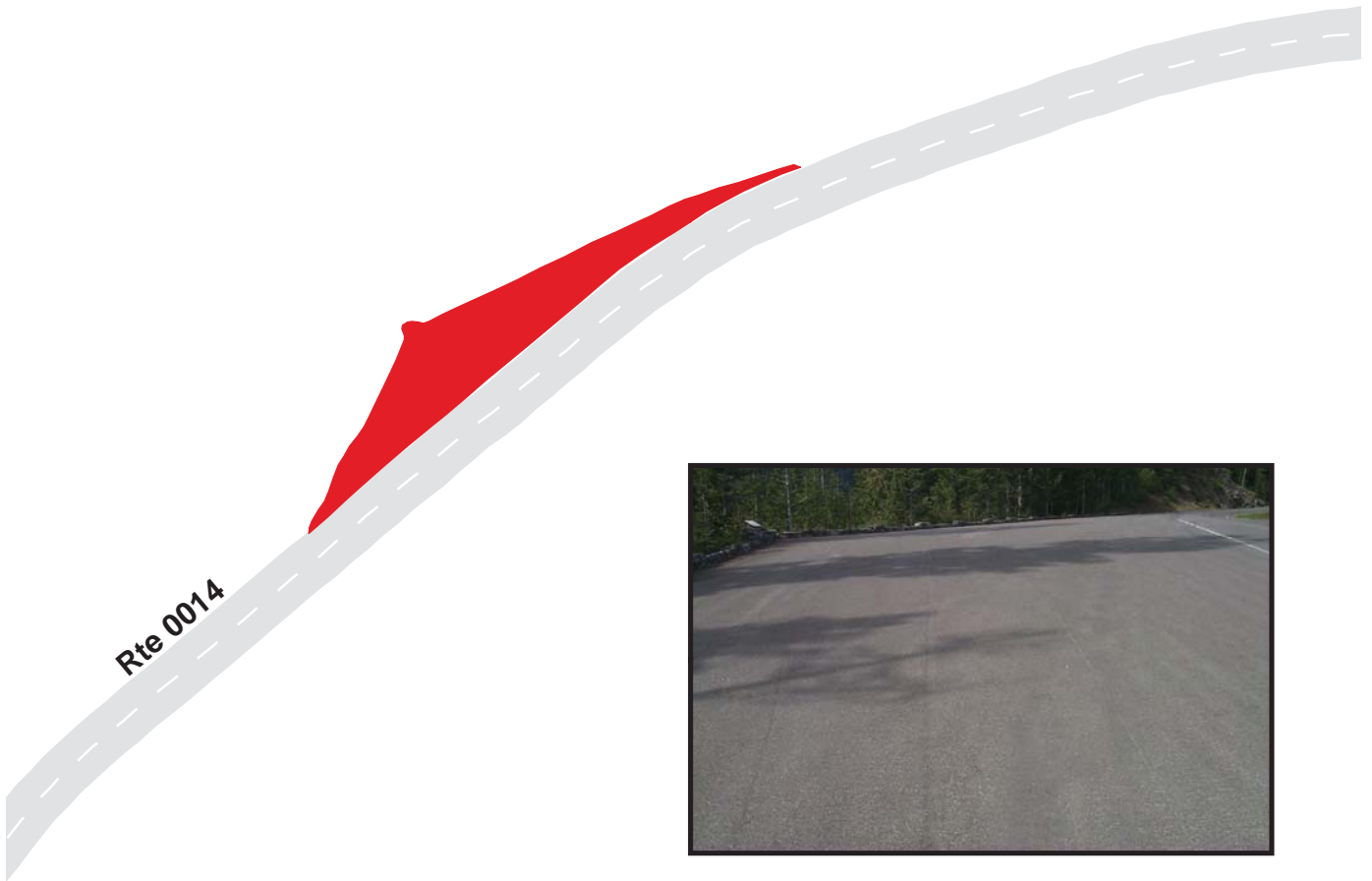
Route 0912

Canyon Rim Viewpoint Parking

From Route 0014 at MP 13.8

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0912	Public	6/9/2001	14682	0.25	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

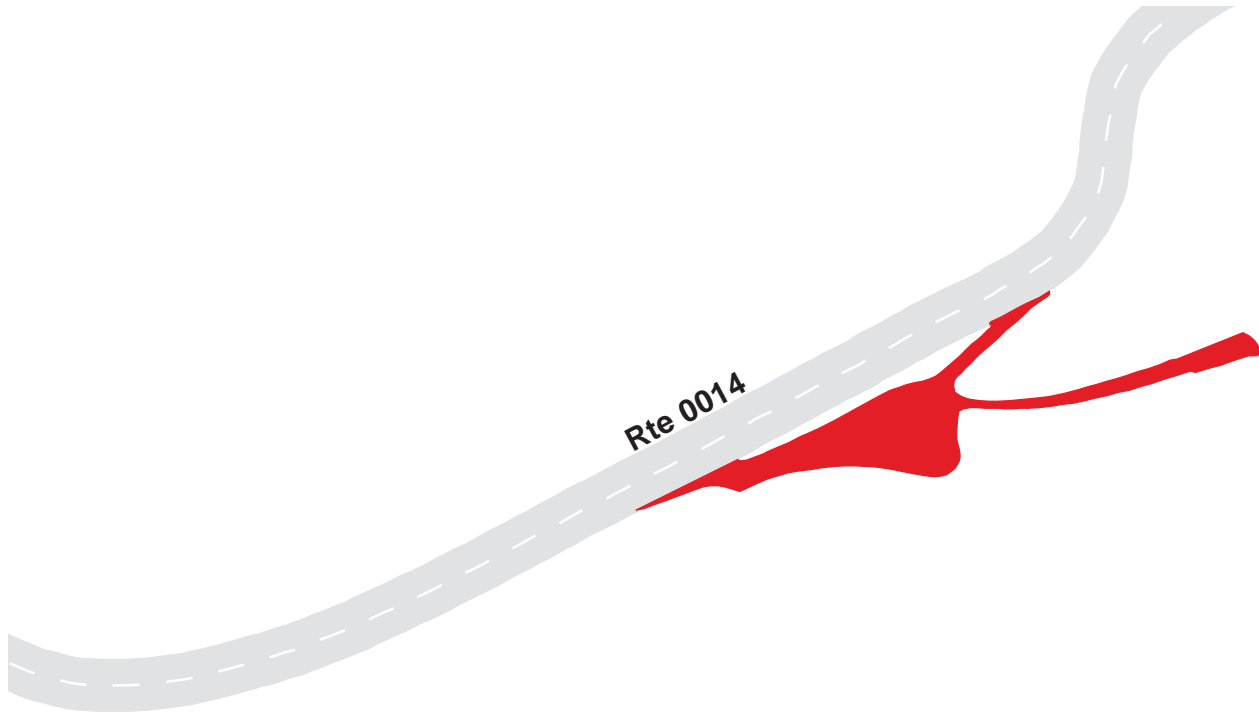
Route 0913

Narada Falls Parking

From Route 0014 at MP 14.7

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	Public	6/9/2001	45311	0.78	AS	FAIR / 73

* Lane miles are based on 11' lane widths



300 150 0 300
Feet



7-17

Mount Rainier National Park

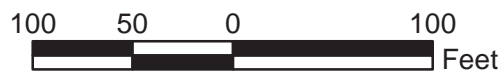
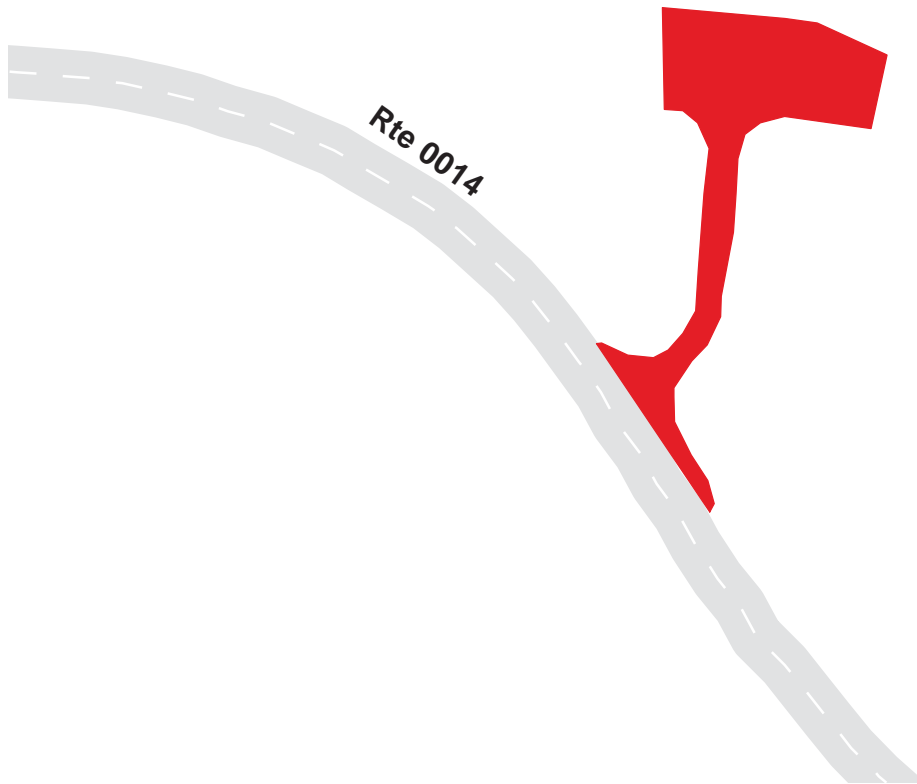
Route 0914

Paradise Wastewater Treatment Plant Parking

From Route 0014 at MP 16.6

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	NonPublic	6/9/2001	5874	0.10	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

Route 0915

Paradise Visitor Center Parking

From Route 0014 at MP 17.36

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0915	Public	6/9/2001	73481	1.27	AS	GOOD / 90

* Lane miles are based on 11' lane widths



300 150 0 300 Feet



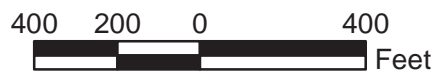
Mount Rainier National Park

Route 0916

Paradise Lodge Parking
From End of Route 0014 at MP 17.57

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916	Public	6/9/2001	227677	3.92	AS	FAIR / 73

* Lane miles are based on 11' lane widths



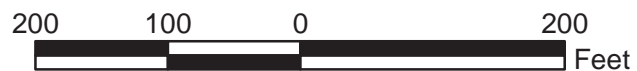
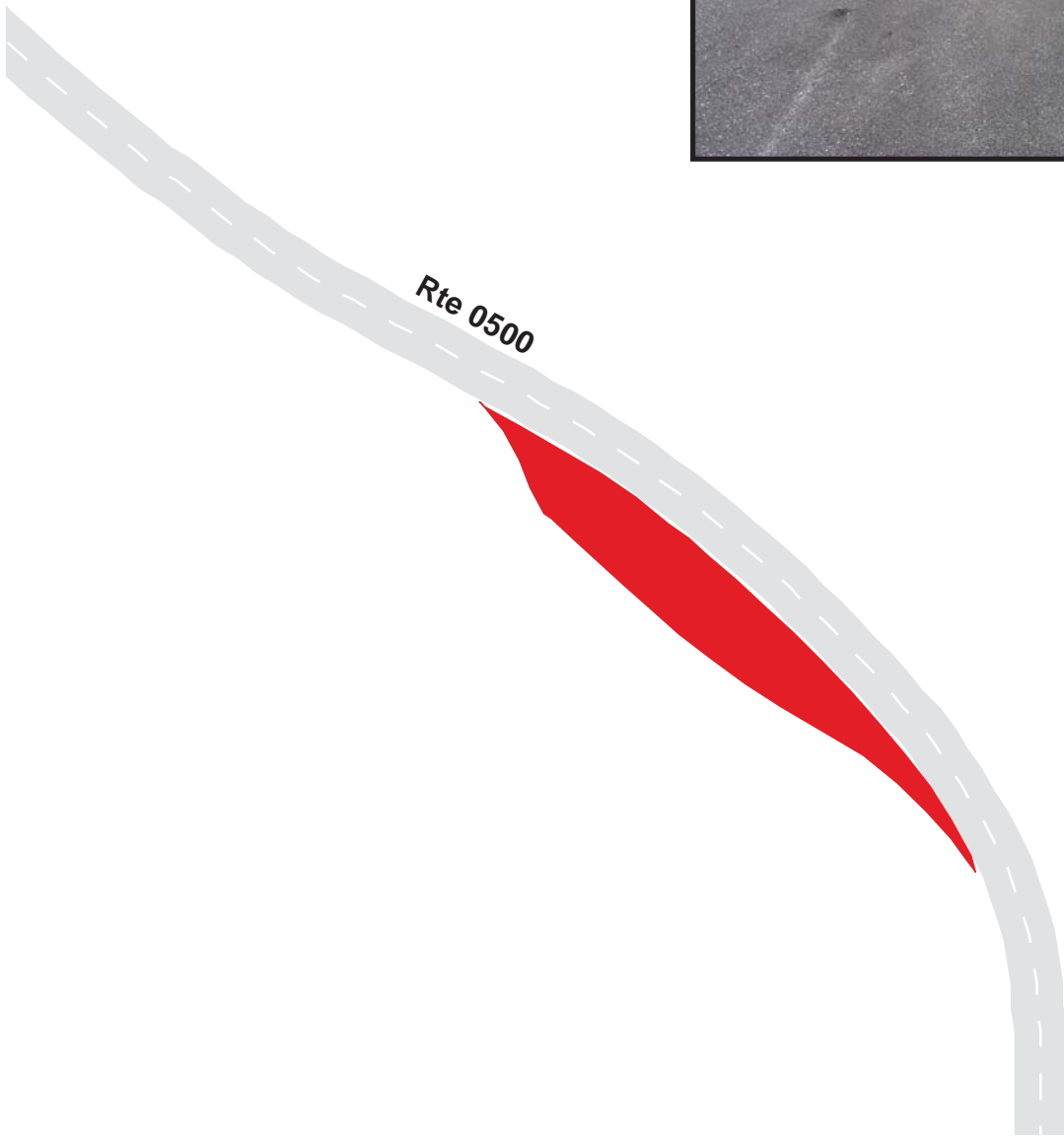
Mount Rainier National Park

Route 0917

Fourth Crossing Parking
From Route 0500 at MP 0.7

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0917	Public	6/9/2001	13408	0.23	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Mount Rainier National Park

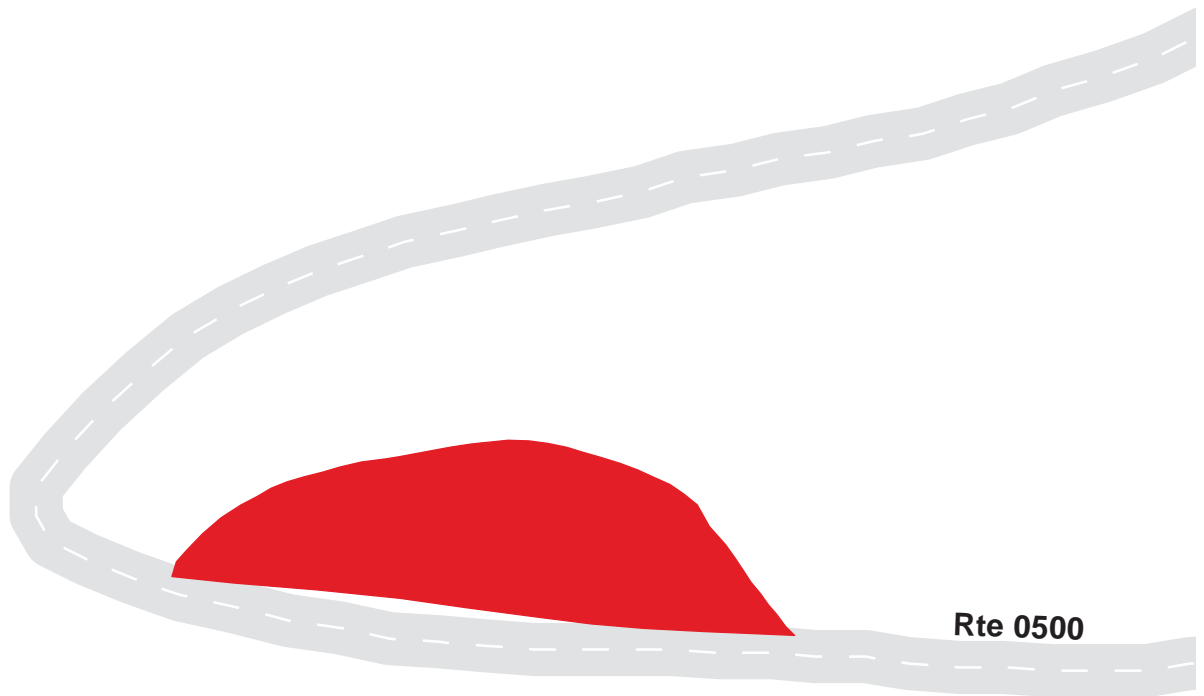
Route 0918

Lakes Trail Parking

From Route 0500 at MP 1.86

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0918	Public	6/8/2001	7707	0.13	AS	POOR / 45

* Lane miles are based on 11' lane widths



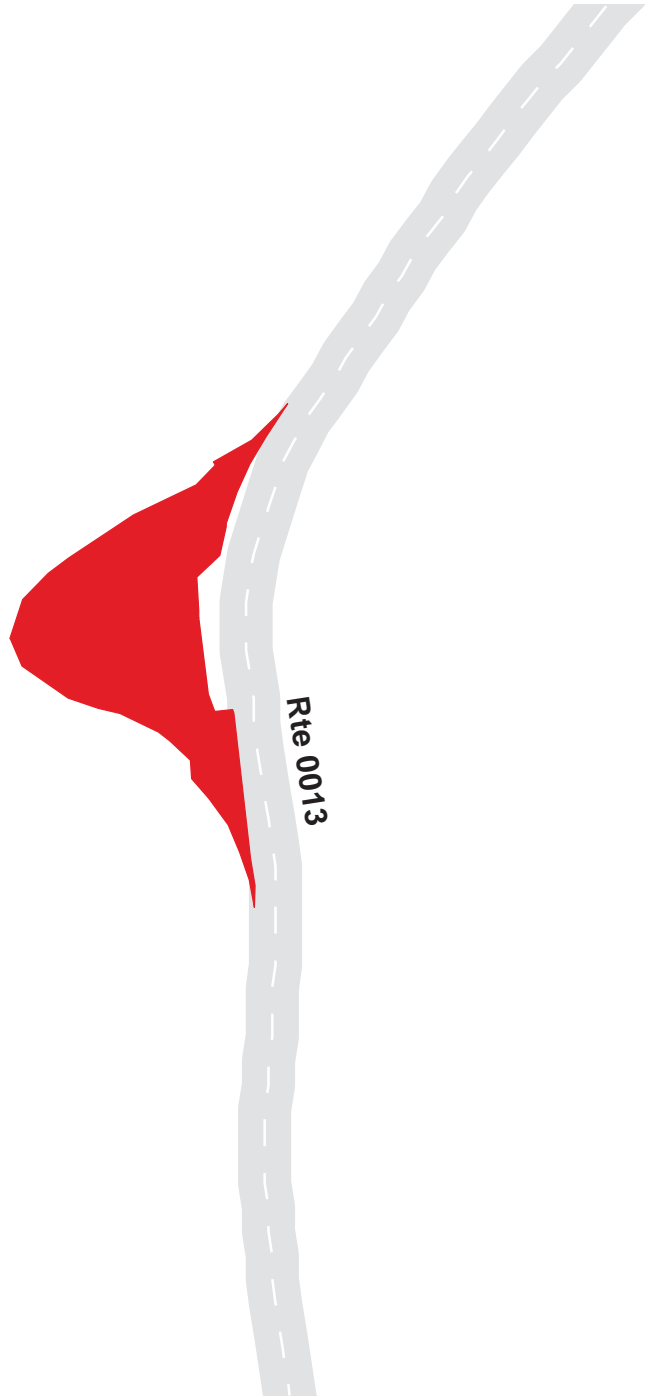
Mount Rainier National Park

Route 0919

Inspiration Point Parking
From Route 0013 at MP 0.44

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	Public	6/9/2001	16136	0.28	AS	GOOD / 90

* Lane miles are based on 11' lane widths



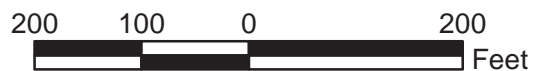
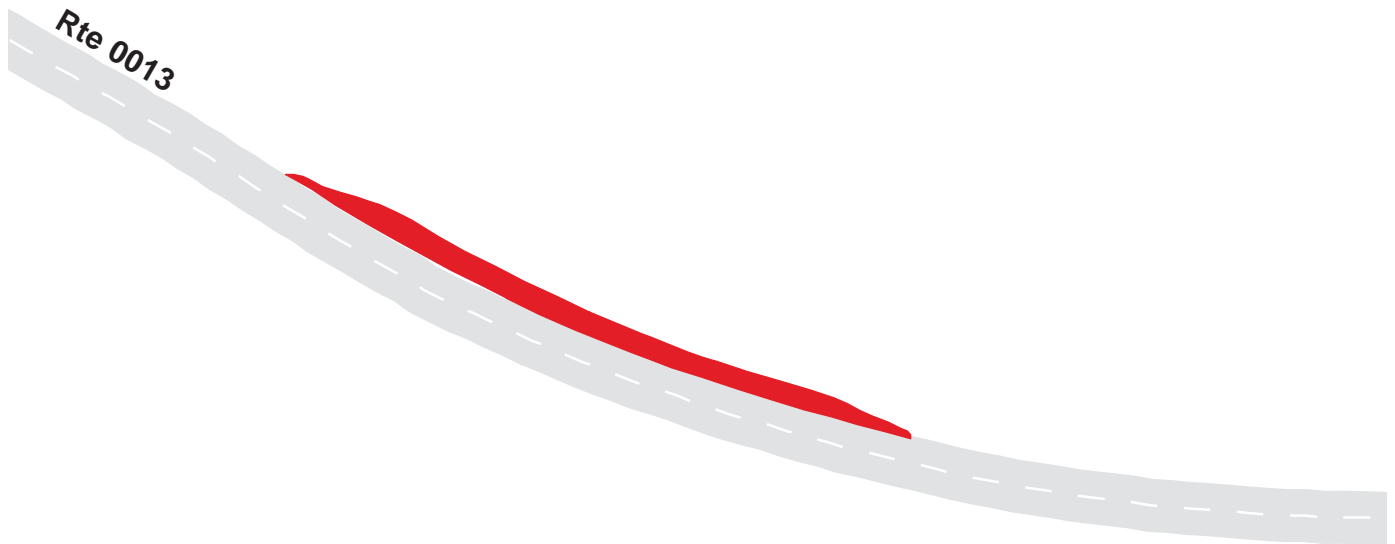
Mount Rainier National Park

Route 0920A

Reflection Lakes Parking A
Adjacent to Route 0013 at MP 1.30 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920A	Public	6/9/2001	7889	0.14	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

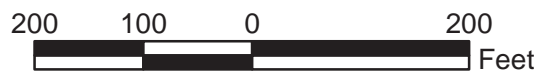
Route 0920B

Reflection Lakes Parking B

Adjacent to Route 0013 at MP 1.40 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920B	Public	6/9/2001	5805	0.10	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

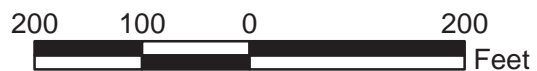
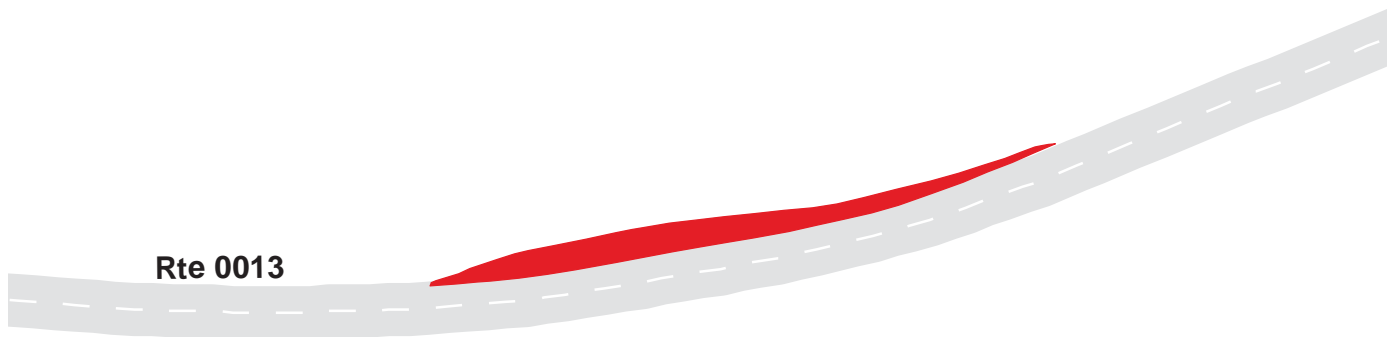
Route 0920C

Reflection Lakes Parking C

Adjacent to Route 0013 at MP 1.47 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920C	Public	6/9/2001	7145	0.12	AS	GOOD / 90

* Lane miles are based on 11' lane widths



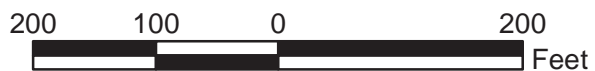
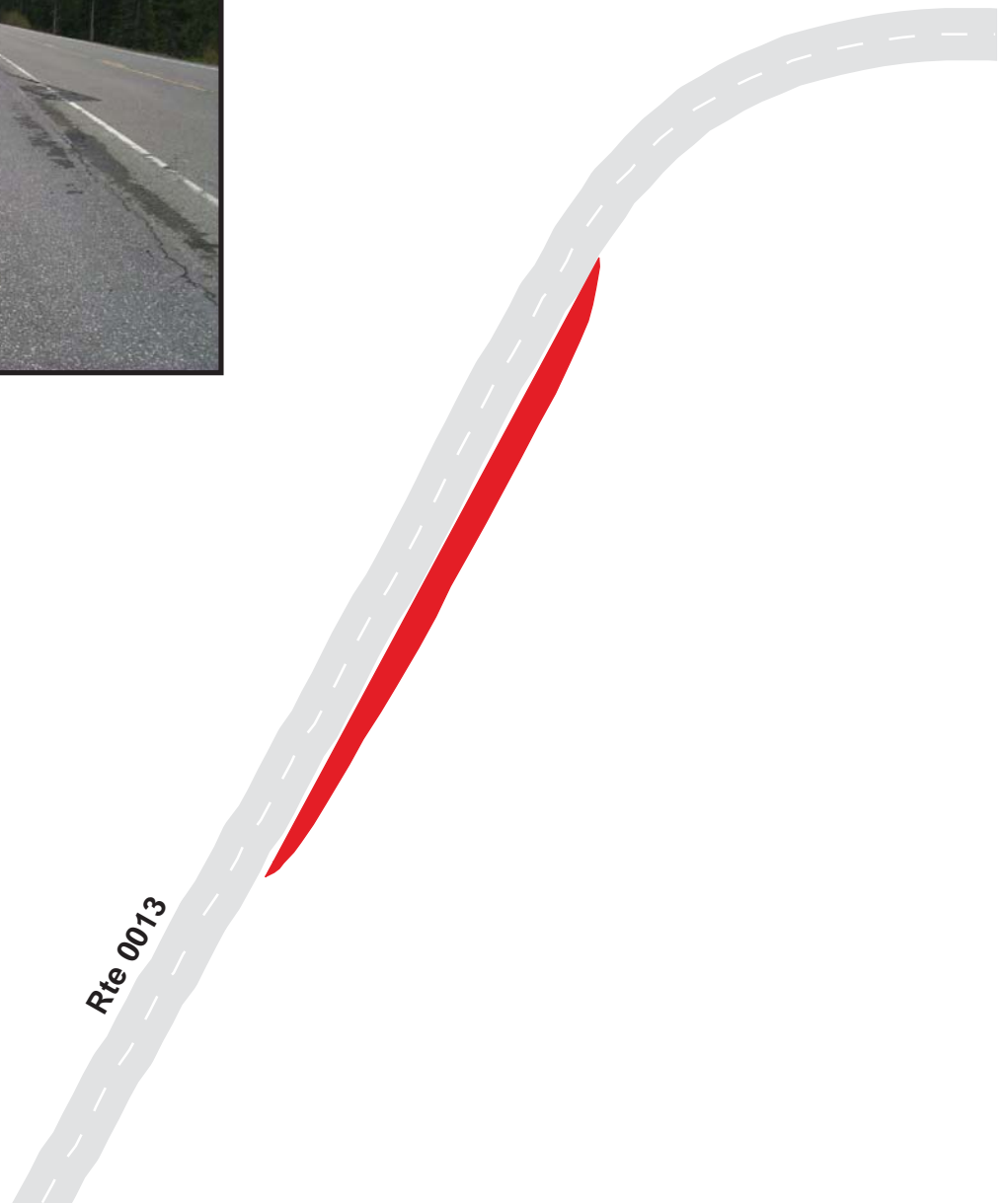
Mount Rainier National Park

Route 0921

Louise Lake Parking
From Route 0013 at MP 2.3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	6/9/2001	7300	0.13	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

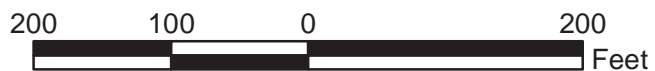
Route 0922

Box Canyon Picnic Area Parking

From Route 0013 at MP 8.15

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0922	Public	6/9/2001	18799	0.32	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Mount Rainier National Park

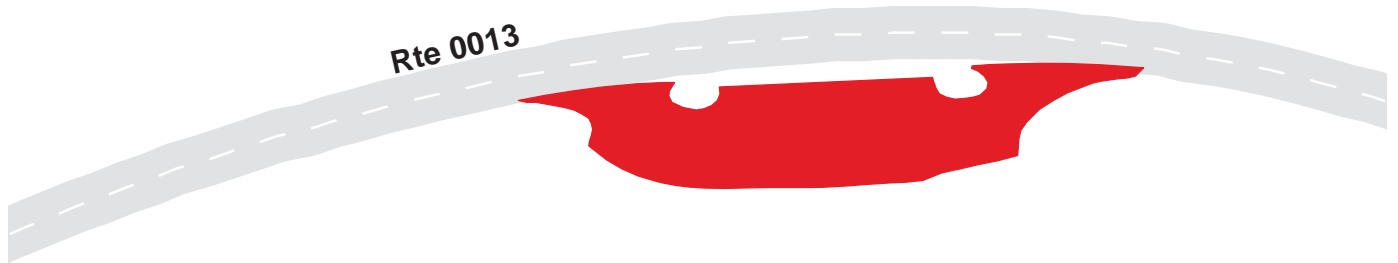
Route 0923

Box Canyon Overlook / Exhibit Parking

From Route 0013 at MP 8.6

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0923	Public	6/9/2001	13852	0.24	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

Route 0924

Nickel Creek Parking
From Route 0013 at MP 9.1

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924	Public	6/9/2001	8885	0.15	AS	GOOD / 90

* Lane miles are based on 11' lane widths



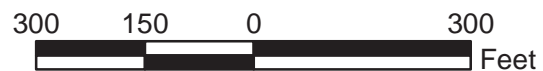
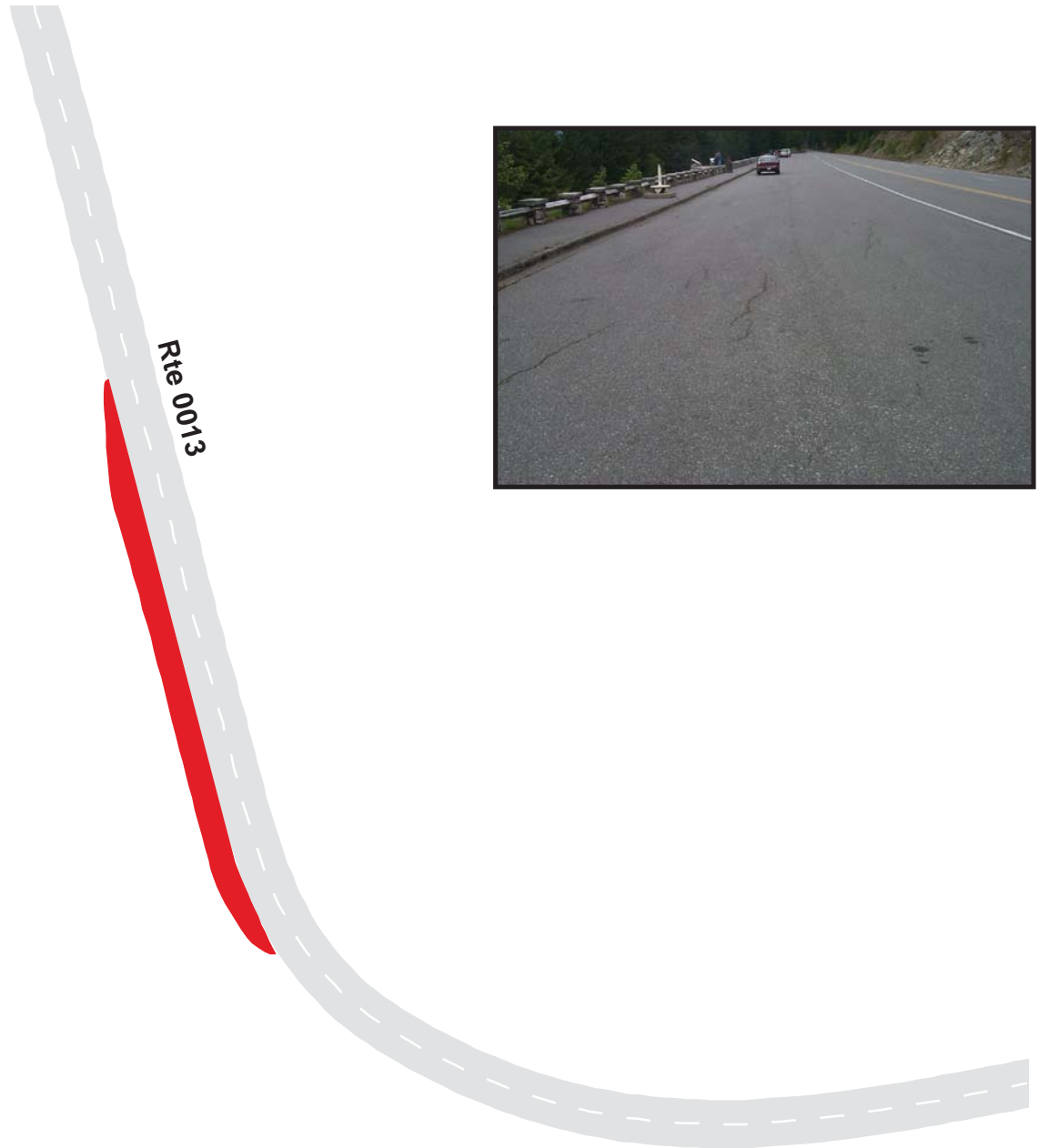
Mount Rainier National Park

Route 0925

Backbone Ridge Parking
From Route 0013 at MP 13.1

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0925	Public	6/9/2001	21038	0.36	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

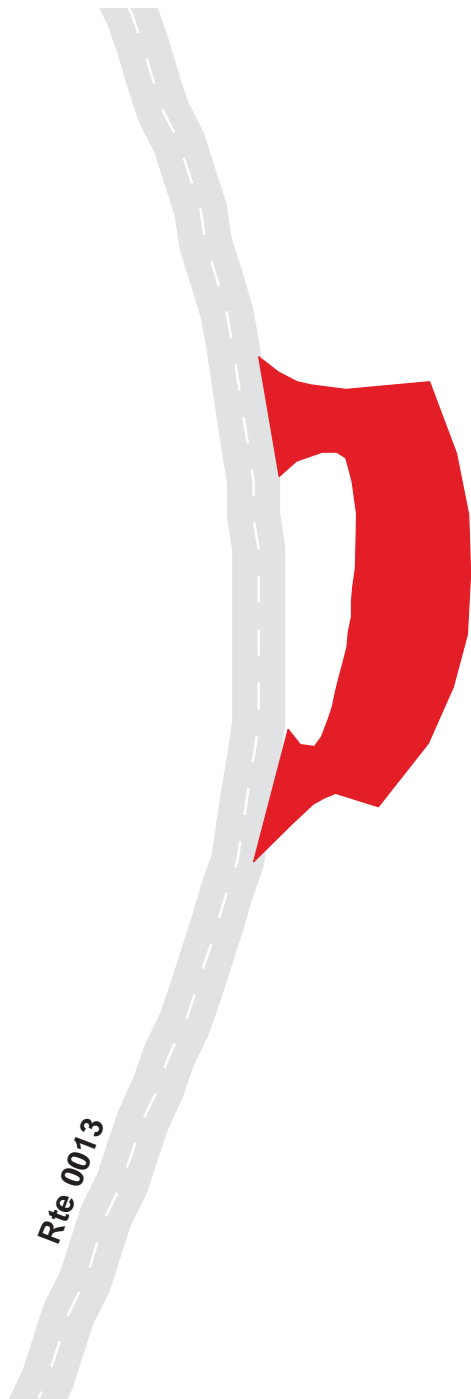
Route 0926

Grove of the Patriarchs Parking

From Route 0013 at MP 18.7

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0926	Public	6/9/2001	10450	0.18	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

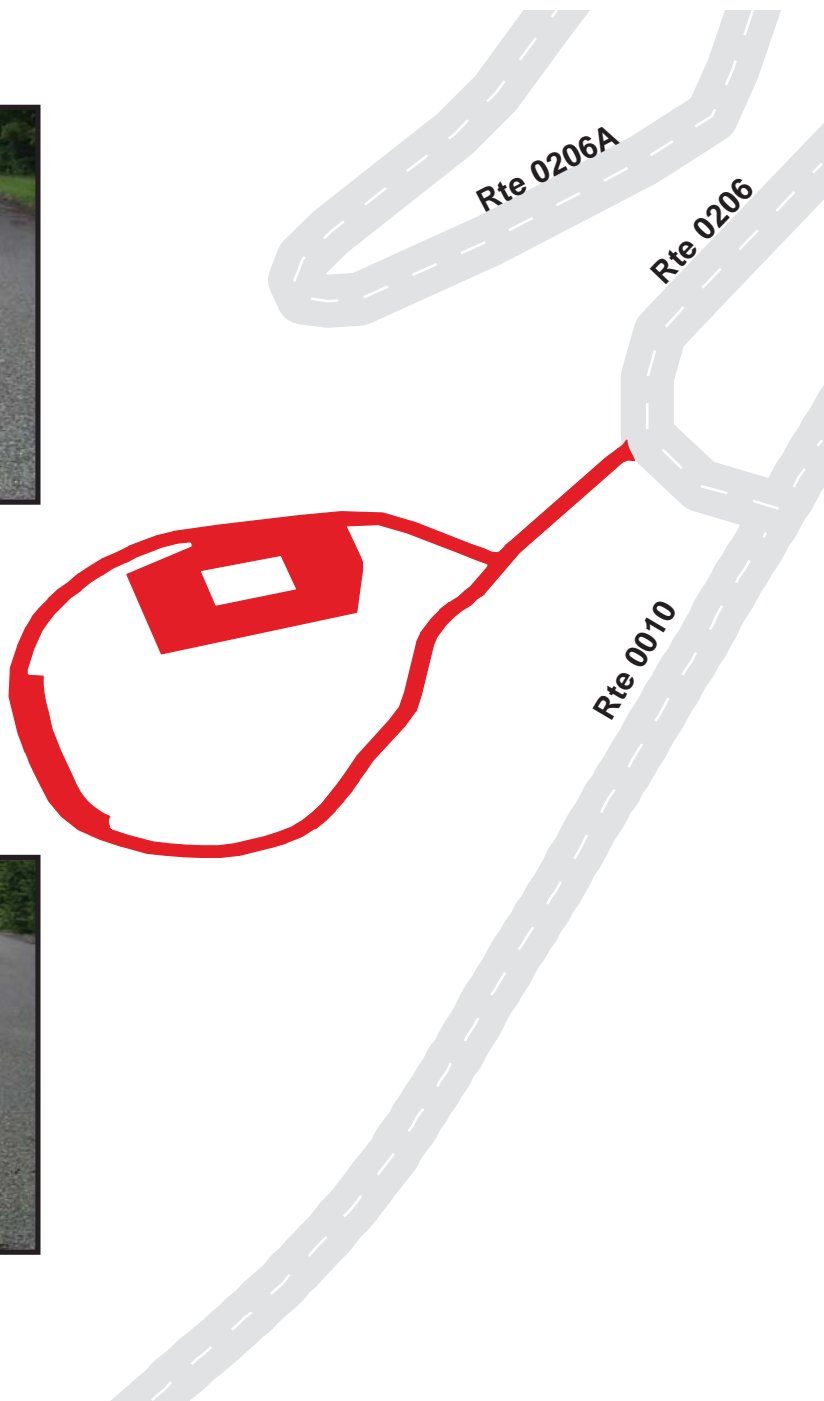
Route 0927

Ohenapecosh Ranger Station / Residence Area Parking

From Route 0206 at MP 0.05

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927	NonPublic	6/8/2001	82276	1.42	AS	GOOD / 90

* Lane miles are based on 11' lane widths



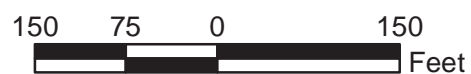
Mount Rainier National Park

Route 0928

Tipsoo Lake Parking
From Route 0012 at MP 0.6

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0928	Public	6/8/2001	43561	0.75	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

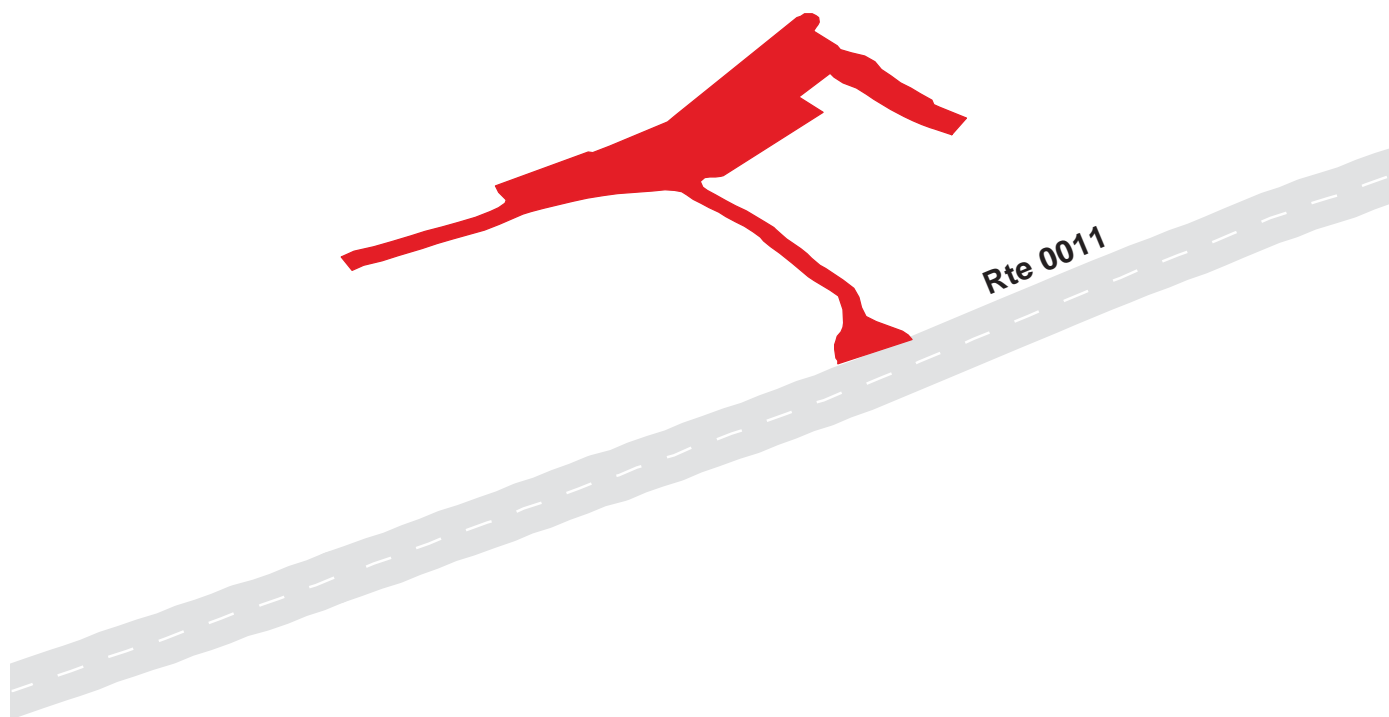
Route 0929

White River Ranger Service Area Parking

From Route 0011 at MP 1.3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0929	NonPublic	6/8/2001	19785	0.34	AS	POOR / 45

* Lane miles are based on 11' lane widths



Mount Rainier National Park

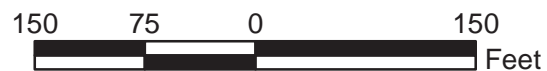
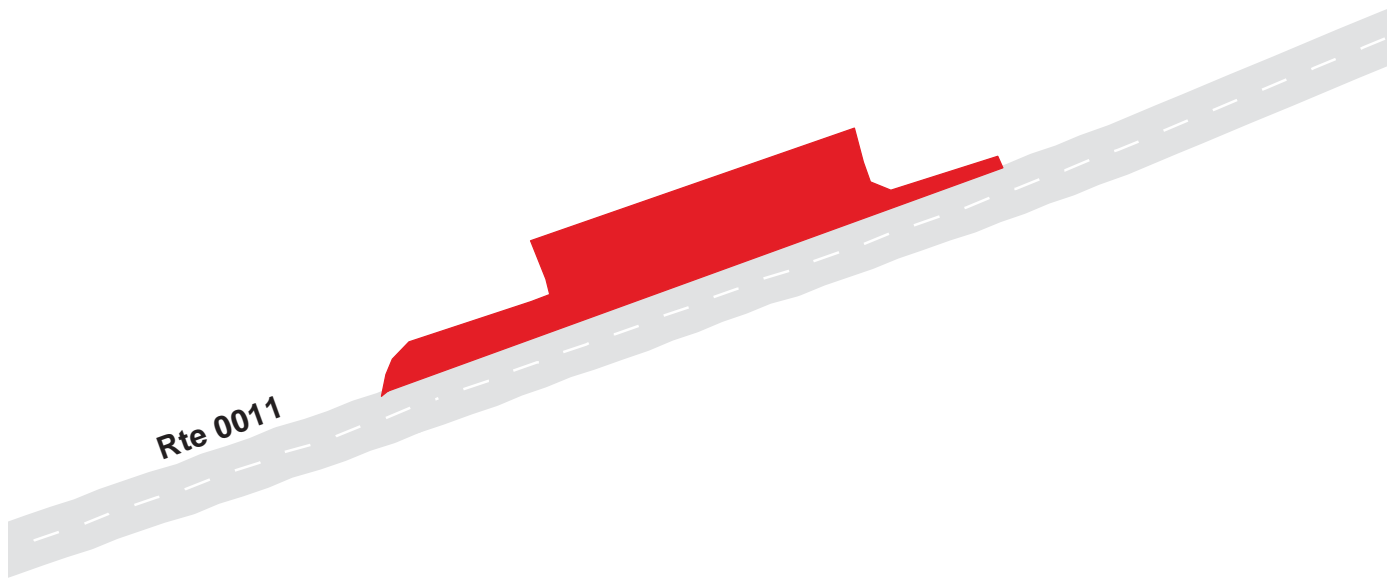
Route 0930A

White River Information Center Parking

From Route 0011 at MP 1.34

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0930A	Public	6/8/2001	12503	0.22	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

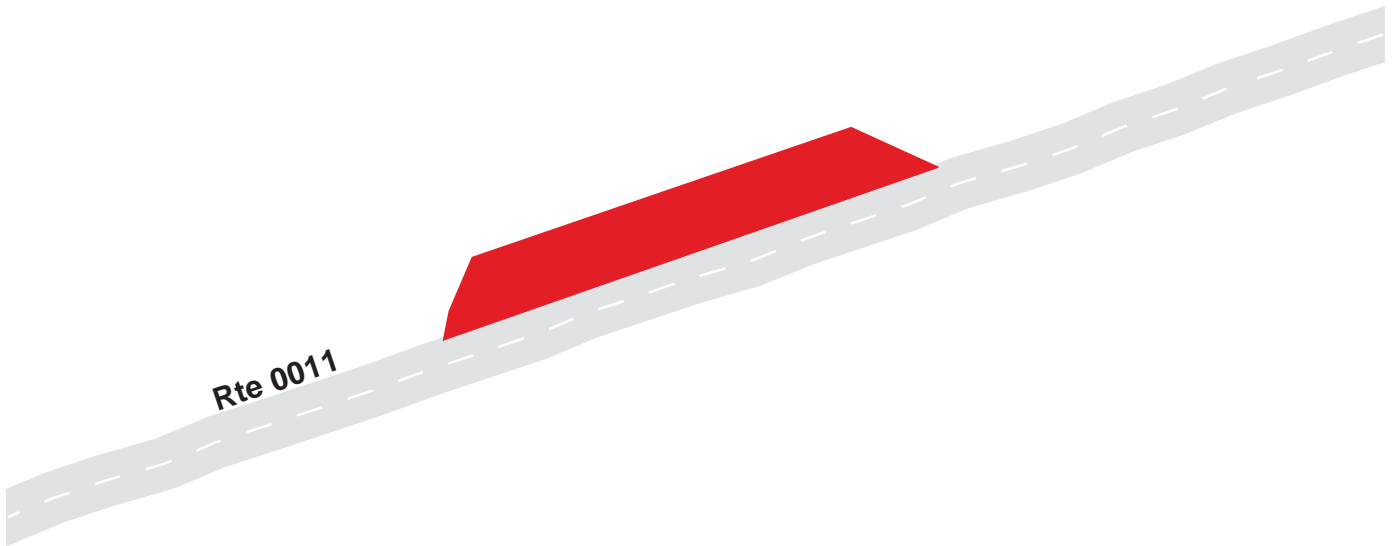
Route 0930B

White River Information Center Parking B

From Route 0011 at MP 1.4

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0930B	Public	6/8/2001	2223	0.04	AS	GOOD / 90

* Lane miles are based on 11' lane widths



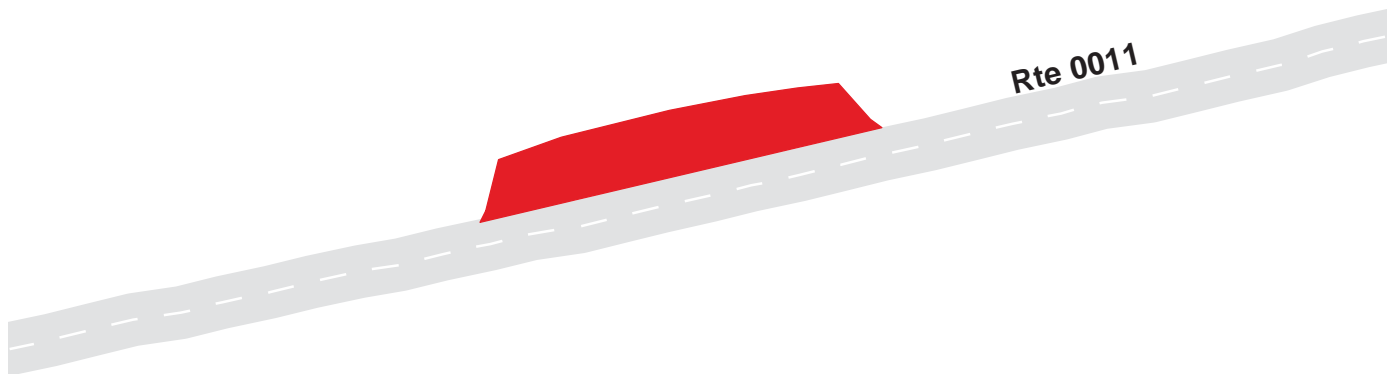
Mount Rainier National Park

Route 0931

Owyhigh Lake Trail Parking
From Route 0011 at MP 3.56

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0931	Public	6/8/2001	2608	0.04	AS	POOR / 45

* Lane miles are based on 11' lane widths



Mount Rainier National Park

Route 0932

Fryingpan Creek Parking
From Route 0011 at MP 4.24

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0932	Public	6/8/2001	2195	0.04	AS	GOOD / 90

* Lane miles are based on 11' lane widths



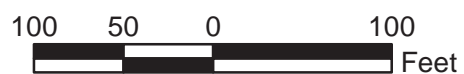
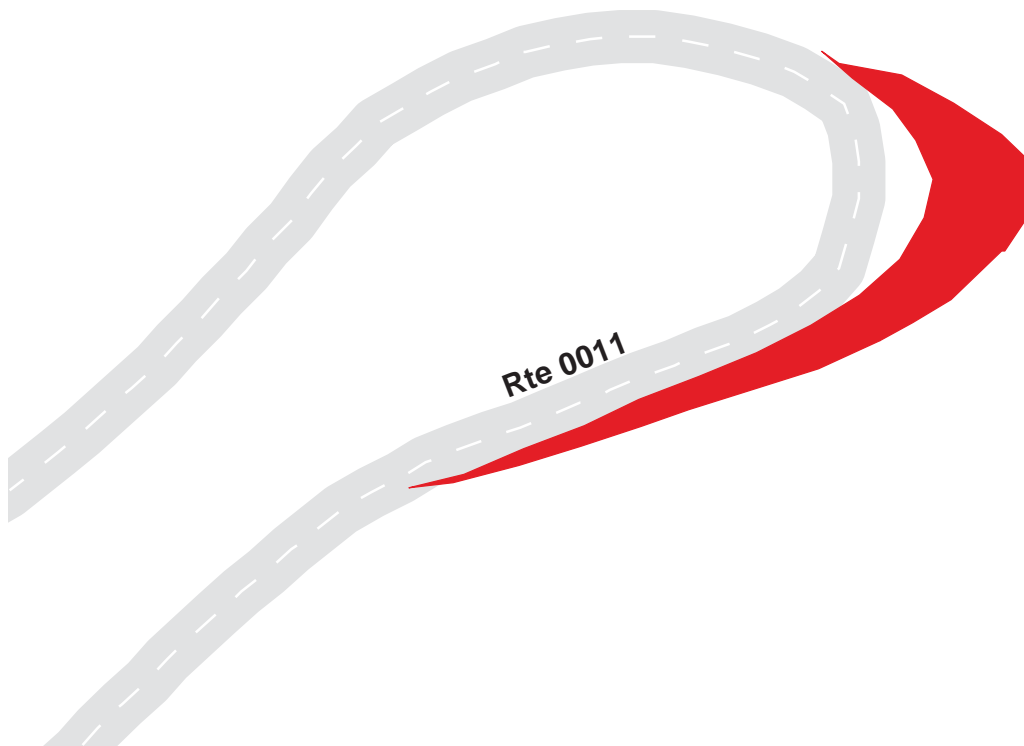
Mount Rainier National Park

Route 0933

Lower Yakima Parking
From Route 0011 at MP 9.2

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0933	Public	6/8/2001	7422	0.13	AS	FAIR / 73

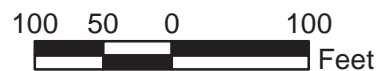
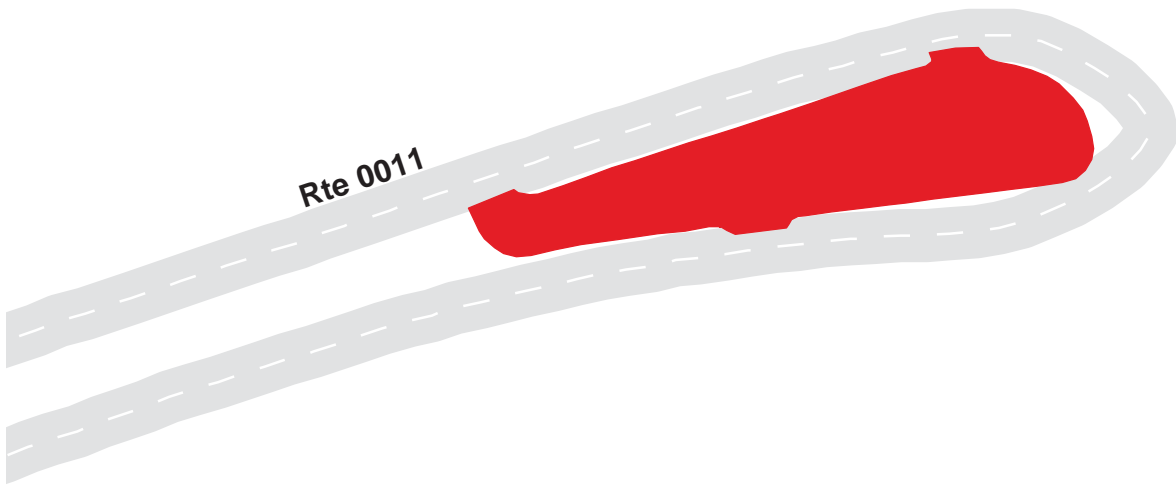
* Lane miles are based on 11' lane widths



Mount Rainier National Park
Route 0934A
Sunrise Point Parking A
From Route 0011 at MP 12.75 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0934A	Public	6/10/2001	22333	0.38	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Mount Rainier National Park

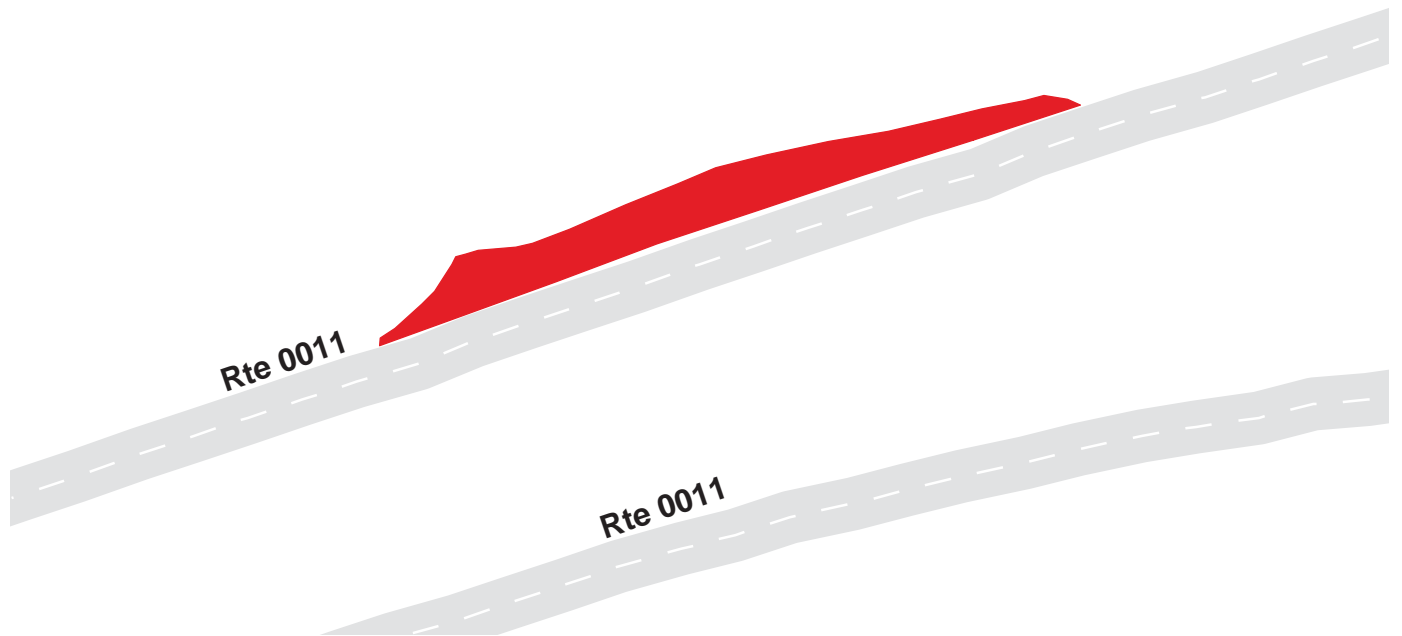
Route 0934B

Sunrise Point Parking B

From Route 0011 at MP 12.85 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0934B	Public	6/10/2001	1870	0.03	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Mount Rainier National Park

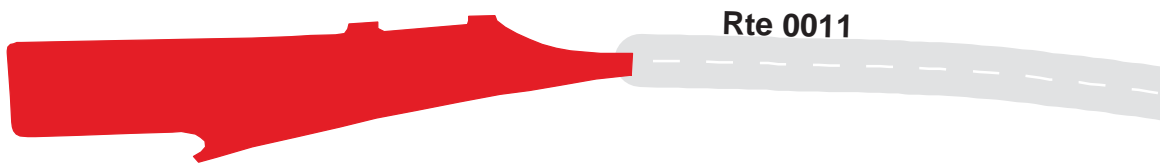
Route 0935

Sunrise Lodge Parking

At End of Route 0011

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0935	Public	6/10/2001	115525	1.99	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

Route 0936

Tahoma Woods Administration Parking

From Route 0400

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936	Public	6/9/2001	15425	0.27	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Mount Rainier National Park

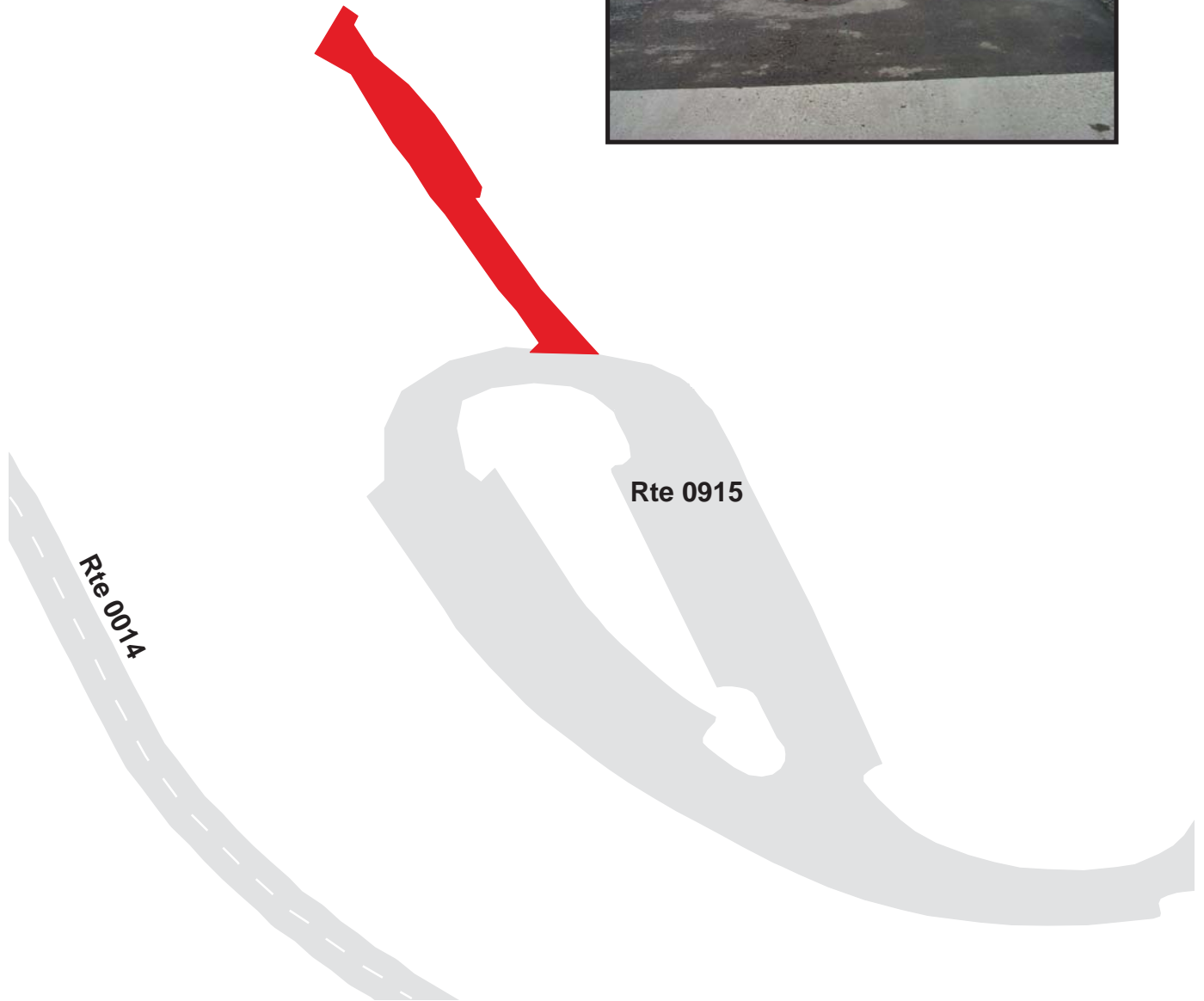
Route 0937

Paradise Residence Road Parking

From Route 0915

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0937	Public	6/9/2001	6764	0.12	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Mount Rainier National Park

Route 0938

Snow Lake Trail Parking
From Route 0013 at MP 2.8

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0938	Public	6/9/2001	6908	0.12	AS	GOOD / 90

* Lane miles are based on 11' lane widths



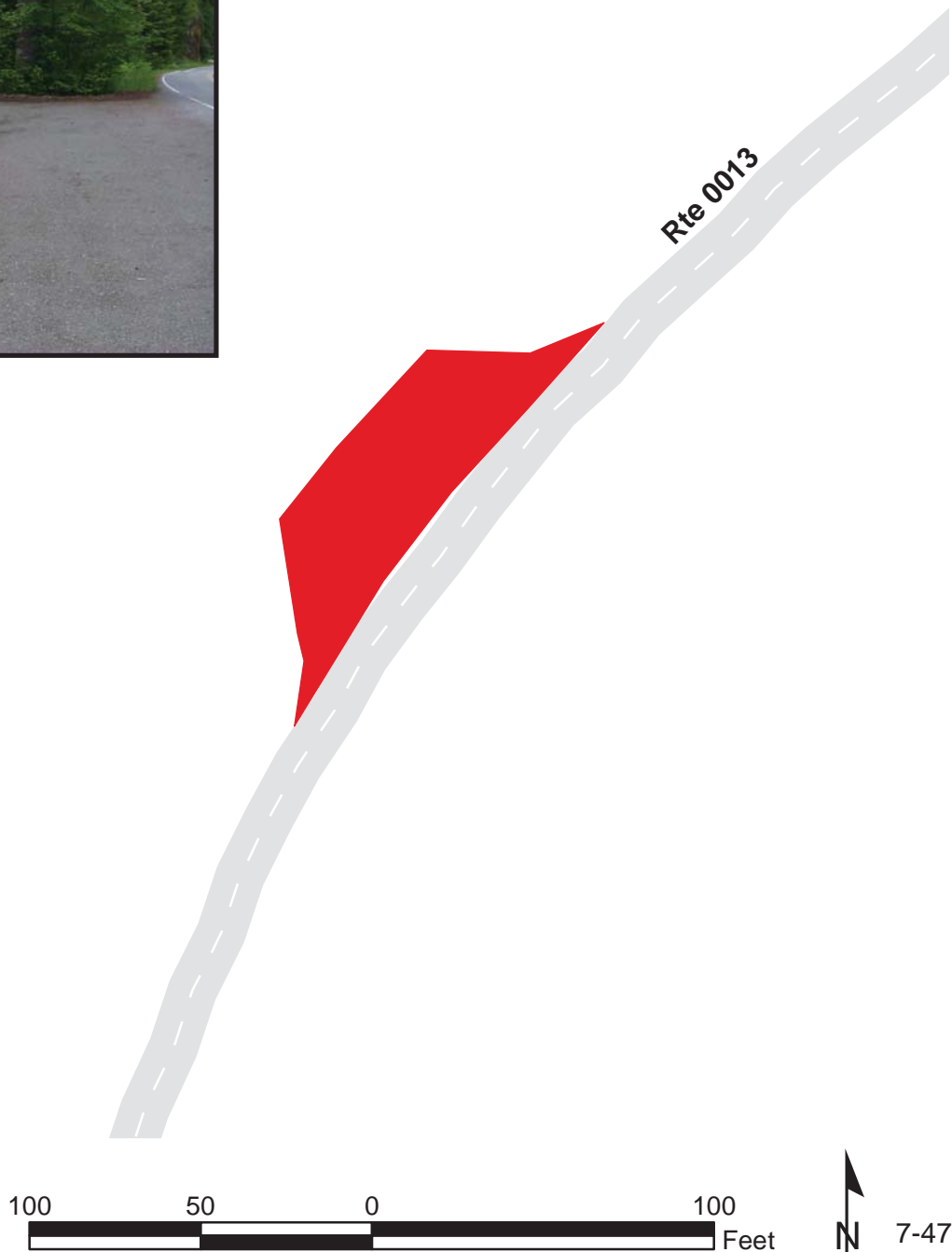
Mount Rainier National Park

Route 0939

Cowlitz Divide Trail Parking
From Route 0013 at MP 18.2

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0939	Public	6/9/2001	2342	0.04	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Mount Rainier National Park

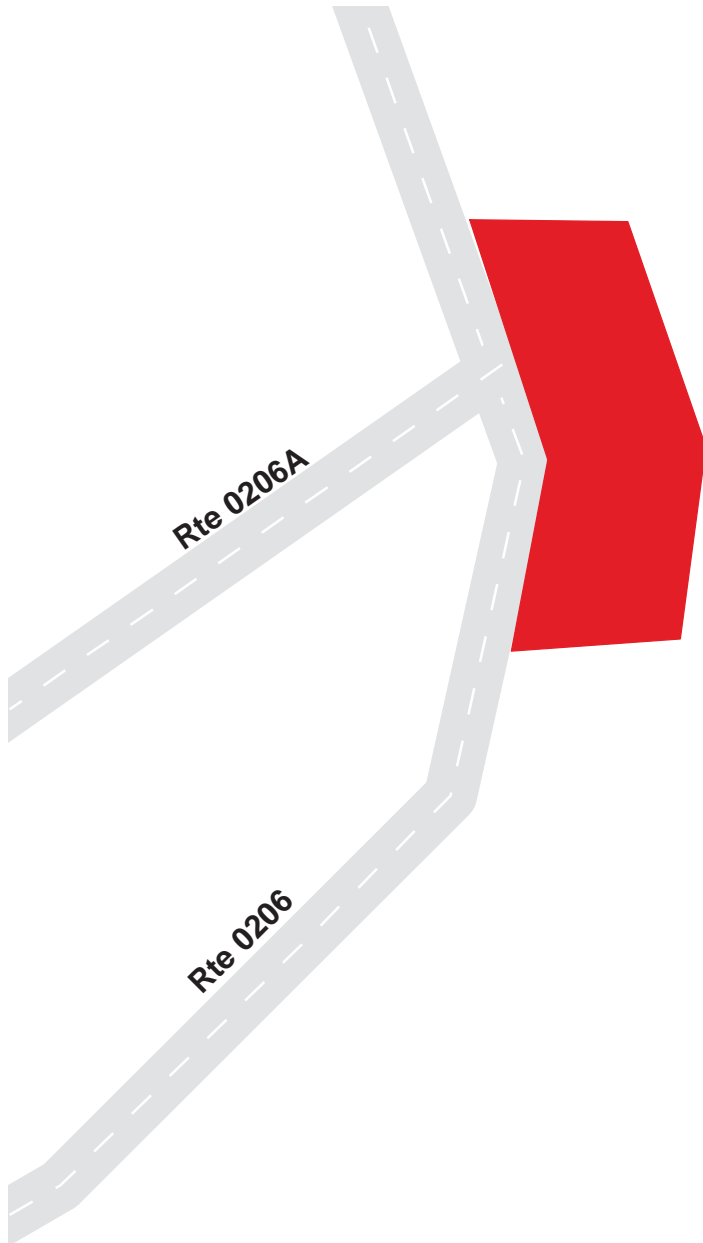
Route 0940A

Ohanapecosh Campground Visitor Center Parking

Adjacent to Route 0206

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0940A	Public	6/10/2001	2517	0.04	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Mount Rainier National Park

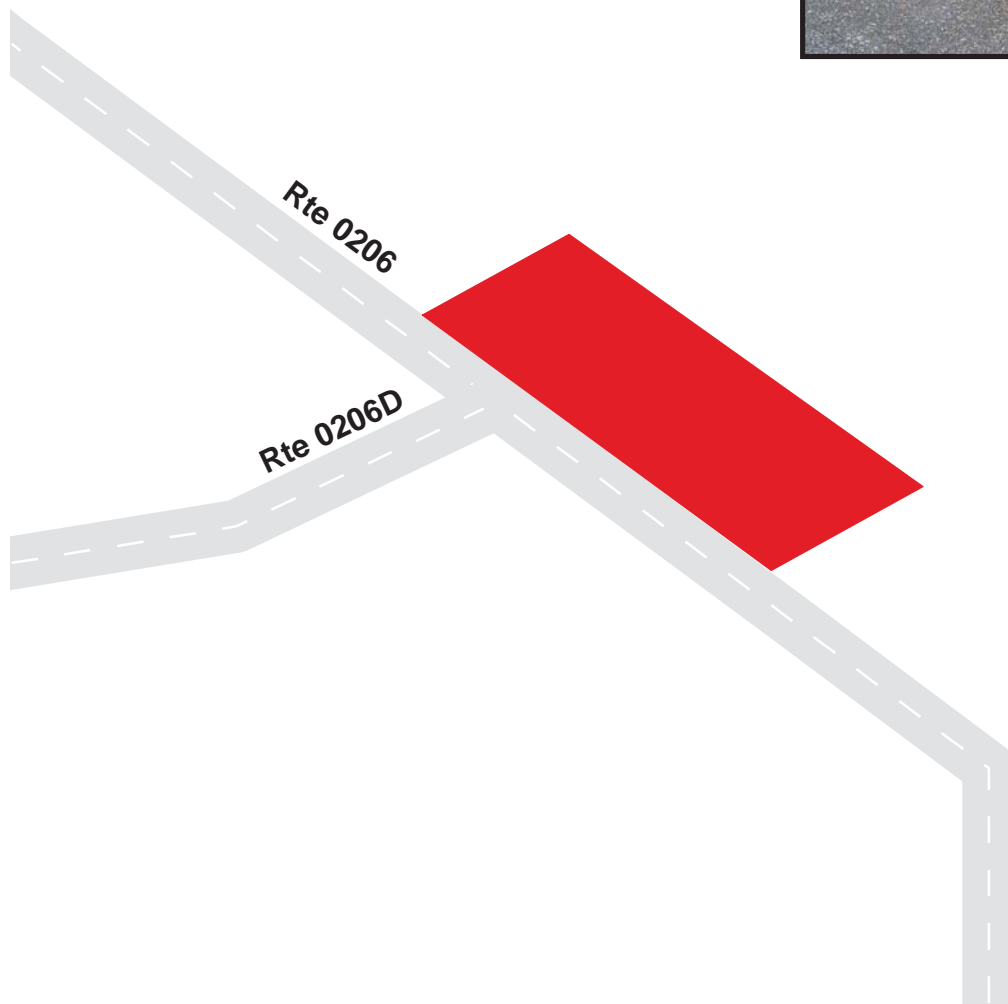
Route 0940B

Ohanapecosh Campground Amphitheater Parking

Adjacent to Route 0206

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0940B	Public	6/10/2001	2959	0.05	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

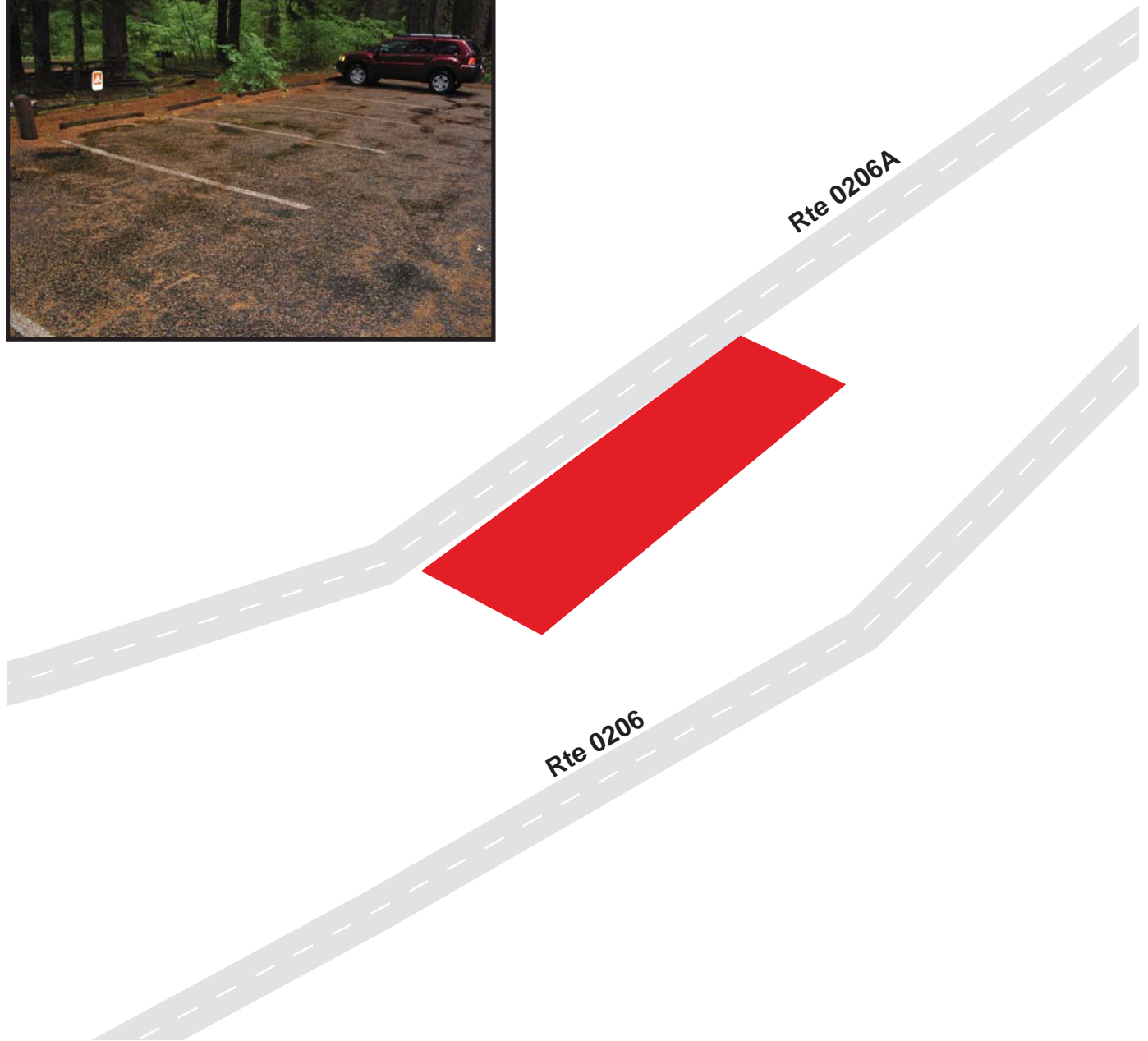
Route 0940C

Ohanapecosh Campground Loop A Picnic Parking

From Route 0206A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0940C	Public	6/10/2001	2625	0.05	AS	GOOD / 90

* Lane miles are based on 11' lane widths



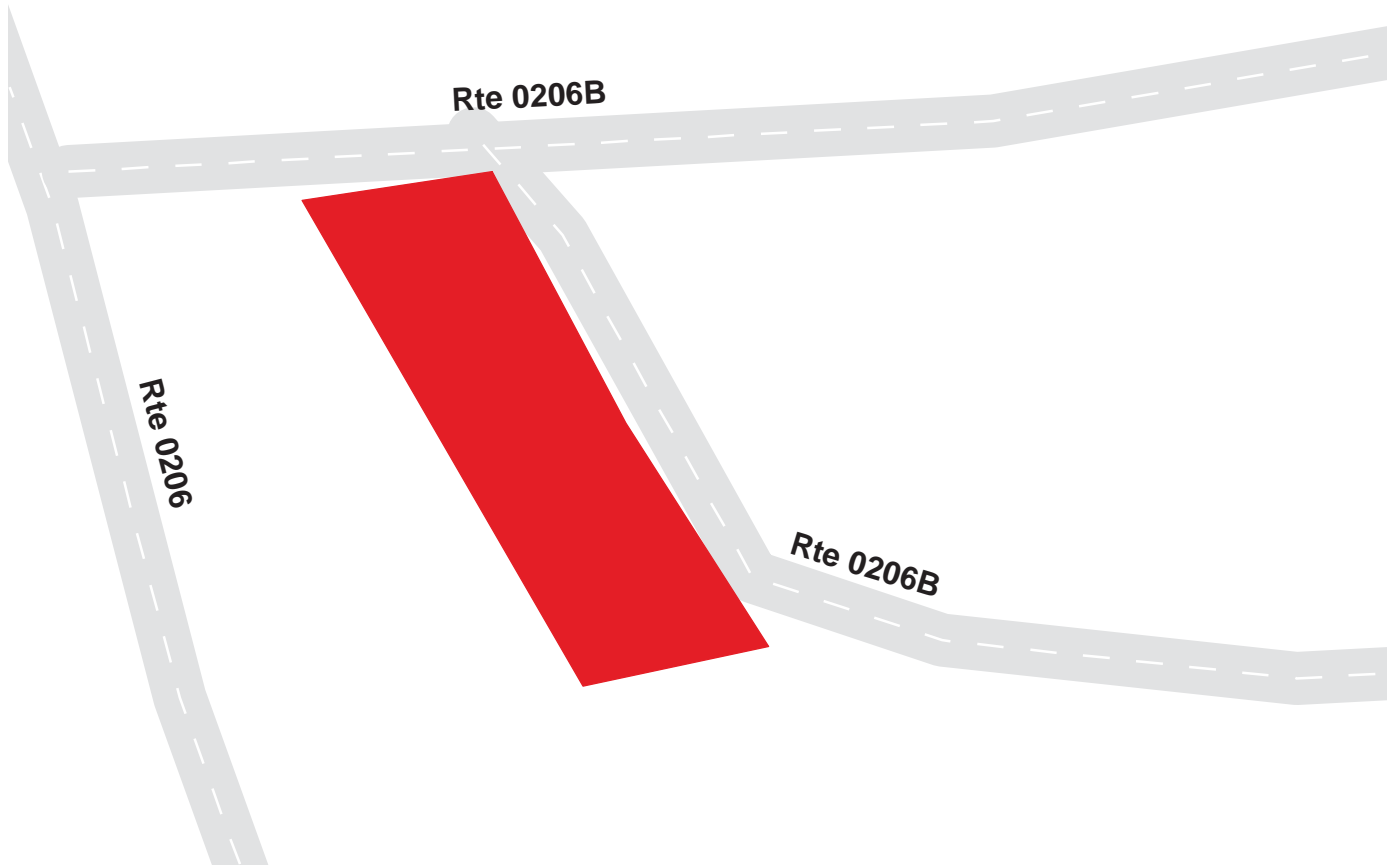
Mount Rainier National Park

Route 0940D

Ohanapecosh Campground Loop B Parking
From Route 0206B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0940D	Public	6/10/2001	3724	0.06	AS	GOOD / 90

* Lane miles are based on 11' lane widths



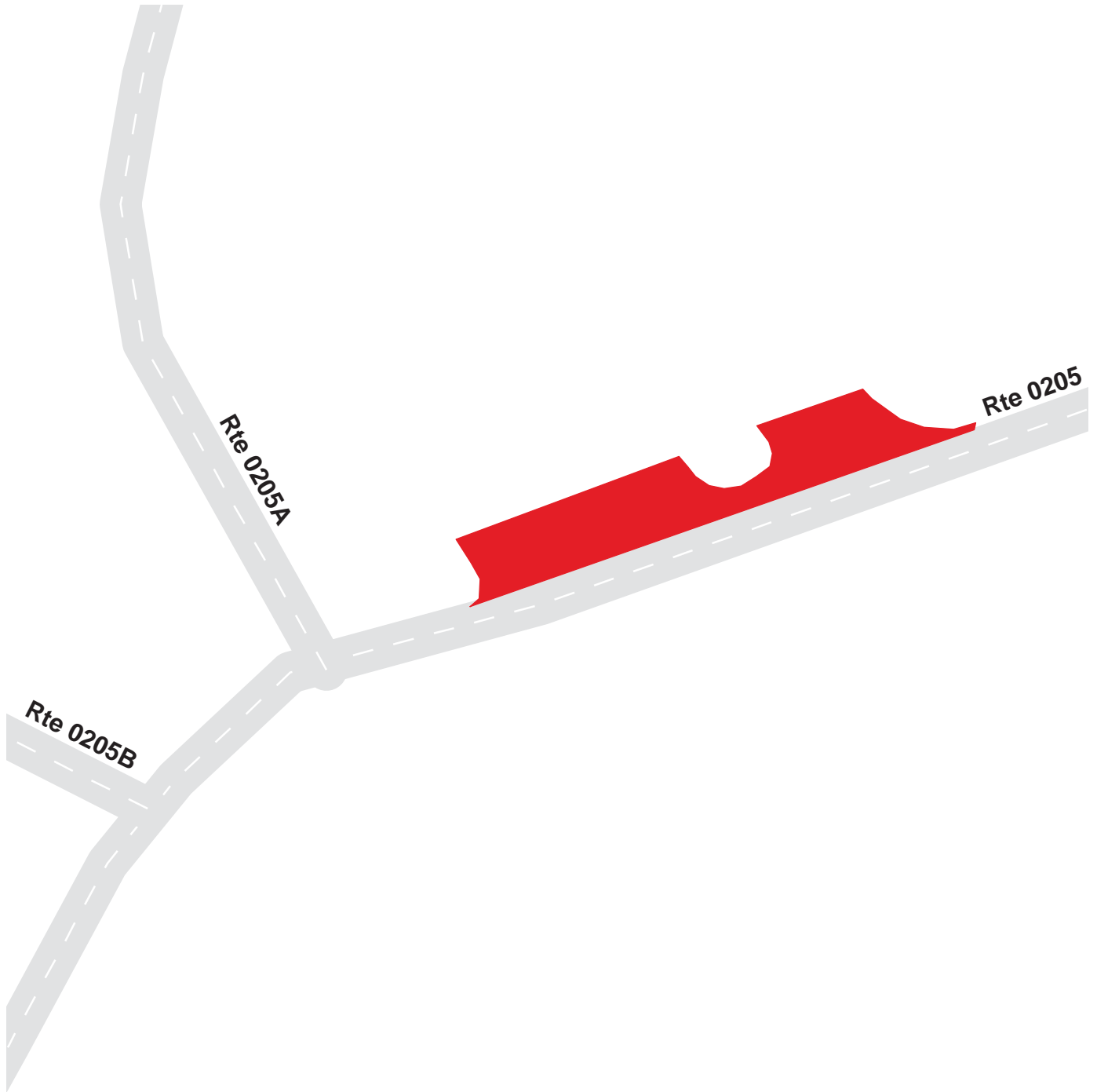
Mount Rainier National Park

Route 0941A

Cougar Rock Campground Ranger Station Parking
Adjacent to Route 0205

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0941A	NonPublic	6/10/2001	3130	0.05	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Mount Rainier National Park

Route 0941B

Cougar Rock Campground Dump Station

From Route 0205

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0941B	Public	6/10/2001	3212	0.06	AS	GOOD / 90

* Lane miles are based on 11' lane widths



MORA: PARKWIDE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>PARK TOTAL</i>	<i>UNIT</i>
BRIDGE	23	EACH
CATTLE GUARD	0	EACH
CULVERT	1	EACH
CURB	16,441	LINEAR FEET
DROP INLET	37	EACH
GUARD WALL	32,403	LINEAR FEET
GUARDRAIL	8,173	LINEAR FEET
INTERSECTION	125	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	1	EACH
PAVED DITCH	0	LINEAR FEET
PULLOUT	102	EACH
RAILROAD CROSSING	0	EACH
RETAINING WALL	8	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	4	EACH
TURNOUT	95	LINEAR FEET

MORA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0010 SR 123 (MOUNT RAINIER PARK ROAD)</i>	<i>ROUTE 0011 SUNRISE ROAD</i>	<i>ROUTE 0012 SR 410 (MATHER MEMORIAL PARKWAY)</i>	<i>ROUTE 0013 STEVENS CANYON RD</i>	<i>ROUTE 0014 SR 706 (NISQUALLY/PARADISE ROAD)</i>	<i>ROUTE 0100 LONGMIRE BACKROAD</i>	<i>UNIT</i>
BRIDGE	3	5	1	7	4	1	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	1	0	0	0	EACH
CURB	919	0	1,896	7,408	5,337	0	LINEAR FEET
DROP INLET	1	0	11	3	1	0	EACH
GUARD WALL	2,059	1,822	5,296	13,501	4,699	0	LINEAR FEET
GUARDRAIL	74	90	4,953	903	2,006	148	LINEAR FEET
INTERSECTION	13	13	9	12	28	20	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	1	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	4	4	4	42	38	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	1	3	3	1	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	2	0	0	2	0	0	EACH
TURNOUT	0	0	0	95	0	0	LINEAR FEET

MORA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0200A WHITE RIVER CAMPGROUND ROAD</i>	<i>ROUTE 0203 MILLER CUTOFF</i>	<i>ROUTE 0400 TAHOMA WOODS ADMINISTRATIVE ROAD</i>	<i>ROUTE 0401 TAHOMA WOODS RESIDENTIAL ROAD</i>	<i>ROUTE 0500 VALLEY ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	2	EACH
CATTLE GUARD	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	EACH
CURB	0	491	243	148	0	LINEAR FEET
DROP INLET	0	0	0	21	0	EACH
GUARD WALL	0	3,585	0	0	1,441	LINEAR FEET
GUARDRAIL	0	0	0	0	0	LINEAR FEET
INTERSECTION	1	2	4	14	9	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	3	0	7	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

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : SR 123 (MOUNT RAINIER PARK ROAD)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT S BOUNDARY
0.180	0.180	INTERSECTION	LEFT	
0.999	0.999	INTERSECTION	RIGHT	UNPAVED RTE INTERSECTION
1.034	1.034	DROP INLET	LEFT	
1.034	1.123	CURB	LEFT	
1.122	1.122	INTERSECTION	LEFT	RTE 206, OHANAPECOSH
1.132	1.217	CURB	LEFT	
1.969	1.969	INTERSECTION	RIGHT	
2.427	2.479	BRIDGE	N/A	
2.618	2.649	PULLOUT	LEFT	
2.894	2.894	INTERSECTION	LEFT	RTE 013, STEVENS CANYON RD
4.908	4.908	INTERSECTION	LEFT	
5.215	5.253	BRIDGE	N/A	
5.959	5.959	INTERSECTION	LEFT	
6.462	6.543	PULLOUT	LEFT	
7.299	7.313	GUARDRAIL	LEFT	
7.622	7.691	GUARD WALL	LEFT	
8.030	8.030	INTERSECTION	LEFT	
8.474	8.499	PULLOUT	RIGHT	
8.497	8.497	INTERSECTION	LEFT	
8.831	8.872	PULLOUT	RIGHT	
8.964	9.009	GUARD WALL	LEFT	
9.110	9.110	INTERSECTION	LEFT	
9.745	9.770	BRIDGE	N/A	
11.059	11.160	TUNNEL	N/A	
12.369	12.645	GUARD WALL	LEFT	

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : SR 123 (MOUNT RAINIER PARK ROAD)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
12.658	12.658	INTERSECTION	LEFT	
13.331	13.331	INTERSECTION	LEFT	
13.805	13.805	INTERSECTION	RIGHT	RTE 012 MATHER MEMORIAL PARKWAY
13.850	13.850			ROUTE ENDS AT RT 012 (STATE ROUTE 410)

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : SUNRISE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 012
0.013	0.013	INTERSECTION	BOTH	BEGIN AT RTE 010 MT RAINIER PARK RD
0.637	0.650	BRIDGE	N/A	
0.968	0.989	BRIDGE	N/A	
1.315	1.315	INTERSECTION	RIGHT	RTE 929, WHITE RIVER RANGER SERVICE AREA
1.331	1.331	INTERSECTION	RIGHT	RTE 930, WHITE RIVER INFORMATION CENTER PARKING
1.372	1.372	INTERSECTION	RIGHT	
2.673	2.689	BRIDGE	N/A	
3.561	3.561	INTERSECTION	RIGHT	RTE 931 OWYHIGH LAKE TRAIL PARKING
4.202	4.230	BRIDGE	N/A	
4.256	4.256	INTERSECTION	RIGHT	RTE 932 FRYINGPAN CREEK PARKING
5.259	5.288	BRIDGE	N/A	
5.296	5.296	INTERSECTION	LEFT	
5.308	5.308	INTERSECTION	LEFT	RTE 200A
6.210	6.262	RETAINING WALL	LEFT	
6.948	6.965	GUARDRAIL	RIGHT	
7.346	7.421	GUARD WALL	RIGHT	
7.451	7.469	GUARD WALL	RIGHT	
7.512	7.624	GUARD WALL	RIGHT	
7.733	7.733	INTERSECTION	RIGHT	
7.759	7.759	INTERSECTION	RIGHT	
9.182	9.182	INTERSECTION	RIGHT	RTE 933 LOWER YAKIMA PARKING
12.736	12.744	GUARD WALL	LEFT	

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : SUNRISE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
12.739	12.739	INTERSECTION	LEFT	RTE 934 SUNRISE POINT PARKING
12.744	12.876	GUARD WALL	RIGHT	
12.767	12.815	PULLOUT	RIGHT	
12.839	12.884	PULLOUT	RIGHT	
12.859	12.859	INTERSECTION	LEFT	
14.409	14.459	PULLOUT	LEFT	
14.487	14.532	PULLOUT	LEFT	
15.350	15.350			ROUTE ENDS AT RTE 935 (SUNRISE LODGE PARKING)

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : SR 410 (MATHER MEMORIAL PARKWAY)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT EAST ENTRANCE (TIPSOO LAKE) NORTH
0.002	0.002	PARK BOUNDARY	N/A	
0.048	0.087	RETAINING WALL	LEFT	
0.070	0.429	CURB	RIGHT	
0.090	0.090	DROP INLET	LEFT	
0.150	0.150	DROP INLET	LEFT	
0.151	0.151	DROP INLET	RIGHT	
0.158	0.168	GUARD WALL	RIGHT	
0.191	0.199	RETAINING WALL	LEFT	
0.260	0.260	DROP INLET	RIGHT	
0.272	0.272	INTERSECTION	RIGHT	
0.341	0.341	DROP INLET	RIGHT	
0.354	0.354	INTERSECTION	LEFT	
0.423	0.423	DROP INLET	RIGHT	
0.437	0.437	INTERSECTION	RIGHT	
0.458	0.521	GUARD WALL	LEFT	
0.554	0.554	DROP INLET	RIGHT	
0.583	0.799	GUARD WALL	LEFT	
0.620	0.620	INTERSECTION	RIGHT	RTE 928 TIPSOO LAKE PARKING
0.914	0.914	DROP INLET	RIGHT	
1.013	1.013	DROP INLET	RIGHT	
1.356	1.527	GUARD WALL	RIGHT	
1.599	1.639	GUARD WALL	RIGHT	
1.670	1.944	GUARD WALL	RIGHT	
1.965	1.988	GUARD WALL	RIGHT	
1.983	1.983	DROP INLET	LEFT	

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : SR 410 (MATHER MEMORIAL PARKWAY)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
1.997	2.006	RETAINING WALL	LEFT	
2.046	2.242	GUARD WALL	RIGHT	
2.236	2.236	DROP INLET	LEFT	
2.474	2.496	PULLOUT	LEFT	
2.501	2.562	GUARDRAIL	LEFT	
2.595	3.452	GUARDRAIL	LEFT	
3.466	3.466	INTERSECTION	LEFT	
3.517	3.517	INTERSECTION	LEFT	RTE 010, MT RAINIER RD
5.731	5.751	GUARDRAIL	LEFT	
6.200	6.255	BRIDGE	N/A	
6.970	7.011	PULLOUT	RIGHT	
6.998	6.998	INTERSECTION	LEFT	
7.021	7.054	PULLOUT	RIGHT	
7.038	7.038	INTERSECTION	LEFT	RTE 011, SUNRISE ROAD
7.243	7.243	CULVERT	N/A	
7.466	7.466	INTERSECTION	LEFT	
7.472	7.503	PULLOUT	RIGHT	
8.945	8.951	GUARD WALL	LEFT	
9.143	9.147	GUARD WALL	LEFT	
11.530	11.530			ROUTE ENDS AT NORTH ENTRANCE

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : STEVENS CANYON RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 014
0.004	0.004	INTERSECTION	BOTH	BEGIN AT RTE 014 NISQUALLY-PARADISE RD
0.049	0.063	BRIDGE	N/A	
0.187	0.187	INTERSECTION	LEFT	RTE 500, VALLEY ROAD
0.202	0.285	PULLOUT	RIGHT	
0.335	0.543	RETAINING WALL	LEFT	
0.344	0.689	GUARD WALL	RIGHT	
0.470	0.470	INTERSECTION	RIGHT	RTE 919 INSPIRATION POINT PARKING
0.481	0.502	CURB	RIGHT	
0.511	0.511	INTERSECTION	RIGHT	
0.621	0.678	RETAINING WALL	LEFT	
0.679	0.734	PULLOUT	RIGHT	
0.783	0.837	PULLOUT	RIGHT	
0.975	1.033	PULLOUT	LEFT	
1.204	1.243	PULLOUT	RIGHT	
1.327	1.327	INTERSECTION	LEFT	RTE 920 REFLECTION LAKE PARKING
1.403	1.474	PULLOUT	RIGHT	
1.405	1.524	GUARD WALL	LEFT	
1.490	1.490	INTERSECTION	LEFT	RTE 920 REFLECTION LAKE PARKING
1.764	1.793	PULLOUT	LEFT	
1.911	1.946	PULLOUT	LEFT	
2.036	2.142	PULLOUT	LEFT	
2.079	2.092	BRIDGE	N/A	
2.223	2.274	PULLOUT	LEFT	
2.342	2.448	PULLOUT	RIGHT	

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : STEVENS CANYON RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
2.656	2.705	PULLOUT	LEFT	
2.868	2.908	PULLOUT	RIGHT	
3.283	3.355	PULLOUT	RIGHT	
3.540	3.567	PULLOUT	LEFT	
3.607	3.664	PULLOUT	RIGHT	
3.669	3.898	CURB	RIGHT	
3.896	3.988	PULLOUT	RIGHT	
4.161	4.204	PULLOUT	RIGHT	
4.525	4.613	PULLOUT	RIGHT	
4.755	4.796	PULLOUT	RIGHT	
4.797	4.835	BRIDGE	N/A	
5.070	5.139	PULLOUT	RIGHT	
5.463	5.499	PULLOUT	RIGHT	
5.498	5.538	GUARD WALL	RIGHT	
5.521	5.539	TURNOUT	RIGHT	
5.554	5.600	PULLOUT	RIGHT	
5.585	5.585	DROP INLET	LEFT	
5.669	5.703	PULLOUT	RIGHT	
5.711	5.742	PULLOUT	RIGHT	
5.862	5.915	GUARD WALL	RIGHT	
6.058	6.089	PULLOUT	RIGHT	
6.218	6.241	PULLOUT	RIGHT	
6.254	6.254	DROP INLET	LEFT	
6.308	6.336	PULLOUT	RIGHT	
6.342	6.436	GUARD WALL	RIGHT	
6.393	6.416	RETAINING WALL	LEFT	
6.434	6.452	PULLOUT	RIGHT	

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : STEVENS CANYON RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
6.521	6.596	PULLOUT	RIGHT	
6.593	6.647	CURB	RIGHT	
6.645	6.691	GUARD WALL	RIGHT	
6.707	6.838	GUARD WALL	RIGHT	
6.838	6.872	PULLOUT	RIGHT	
6.878	6.913	GUARD WALL	RIGHT	
6.919	6.976	TUNNEL	N/A	
7.039	7.577	GUARD WALL	RIGHT	
7.239	7.259	PULLOUT	RIGHT	
7.530	7.548	PULLOUT	LEFT	
7.755	7.796	GUARD WALL	RIGHT	
7.870	8.006	GUARD WALL	RIGHT	
8.116	8.116	INTERSECTION	RIGHT	RTE 922 BOX CANYON PICNIC PARKING
8.175	8.192	PULLOUT	RIGHT	
8.528	8.570	TUNNEL	N/A	
8.528	8.627	CURB	LEFT	
8.531	8.628	CURB	RIGHT	
8.583	8.628	BRIDGE	N/A	
8.627	8.655	CURB	LEFT	
8.632	8.632	INTERSECTION	RIGHT	RTE 923 BOX CANYON OVERLOOK/EXHIBIT PARKING
8.641	8.668	CURB	RIGHT	
8.670	8.670	INTERSECTION	RIGHT	
8.833	8.884	PULLOUT	RIGHT	
9.096	9.170	PULLOUT	RIGHT	
9.160	9.194	BRIDGE	N/A	
10.432	10.467	PULLOUT	RIGHT	

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : STEVENS CANYON RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
11.199	11.233	PULLOUT	RIGHT	
11.318	11.411	CURB	RIGHT	
11.612	11.698	CURB	RIGHT	
11.728	11.788	CURB	RIGHT	
12.340	12.387	PULLOUT	RIGHT	
12.741	12.790	PULLOUT	RIGHT	
13.038	13.207	CURB	RIGHT	
13.039	13.039	DROP INLET	RIGHT	
13.040	13.209	PULLOUT	RIGHT	
13.042	13.213	GUARDRAIL	RIGHT	
13.492	13.736	GUARD WALL	RIGHT	
13.738	13.812	CURB	RIGHT	
13.840	13.883	CURB	RIGHT	
13.881	13.946	GUARD WALL	RIGHT	
14.809	14.850	CURB	RIGHT	
14.863	14.905	CURB	RIGHT	
14.923	14.990	GUARD WALL	RIGHT	
14.991	15.034	CURB	RIGHT	
15.031	15.076	GUARD WALL	RIGHT	
15.121	15.186	GUARD WALL	RIGHT	
15.455	15.877	GUARD WALL	RIGHT	
17.356	17.427	GUARD WALL	RIGHT	
18.442	18.498	CURB	RIGHT	
18.471	18.498	BRIDGE	N/A	
18.687	18.696	CURB	LEFT	
18.700	18.700	INTERSECTION	LEFT	
18.711	18.735	CURB	LEFT	

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : STEVENS CANYON RD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
18.736	18.736	INTERSECTION	LEFT	RTE 926 GROVE OF THE PATRIARCHS PARKING
18.748	18.757	CURB	LEFT	
18.808	18.837	BRIDGE	N/A	
18.861	18.960	CURB	LEFT	
18.888	18.915	PULLOUT	LEFT	
18.988	18.988	INTERSECTION	LEFT	
18.990	18.990			ROUTE ENDS AT RTE 010

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : SR 706 (NISQUALLY/PARADISE ROAD)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT WEST ENTRANCE
0.100	0.100	INTERSECTION	LEFT	RTE 901, NISQUALLY ENTRANCE SERVICE AREA
0.413	0.413	INTERSECTION	RIGHT	RTE 201, SUNSHINE POINT CMPGRND
0.738	0.767	PULLOUT	LEFT	
0.832	0.880	CURB	LEFT	
0.833	0.878	PULLOUT	LEFT	
1.011	1.011	INTERSECTION	LEFT	RTE 101, WEST SIDE RD (UNPAVED)
1.174	1.188	BRIDGE	N/A	
1.178	1.188	GUARDRAIL	LEFT	
1.179	1.191	GUARDRAIL	RIGHT	
1.521	1.521	INTERSECTION	LEFT	
1.557	1.557	INTERSECTION	LEFT	
1.695	1.722	PULLOUT	RIGHT	
1.828	1.854	PULLOUT	RIGHT	
1.830	1.851	CURB	RIGHT	
2.263	2.279	PULLOUT	LEFT	
2.332	2.382	PULLOUT	RIGHT	
2.335	2.378	CURB	RIGHT	
2.530	2.530	INTERSECTION	RIGHT	
2.531	2.549	CURB	RIGHT	
2.557	2.557	INTERSECTION	RIGHT	
2.989	3.013	PULLOUT	LEFT	
3.023	3.059	PULLOUT	RIGHT	
3.037	3.053	CURB	RIGHT	
3.346	3.366	BRIDGE	N/A	

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : SR 706 (NISQUALLY/PARADISE ROAD)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
3.347	3.368	GUARDRAIL	RIGHT	
3.353	3.371	GUARDRAIL	LEFT	
3.393	3.393	INTERSECTION	RIGHT	SERVICE ROAD ENTRANCE, SOUTH
3.463	3.463	INTERSECTION	RIGHT	RTE 902, KAUTZ CREEK TRAILHEAD PRK
3.557	3.557	INTERSECTION	RIGHT	
4.004	4.034	PULLOUT	LEFT	
4.011	4.038	CURB	LEFT	
4.084	4.116	PULLOUT	LEFT	
4.238	4.264	PULLOUT	RIGHT	
4.297	4.318	PULLOUT	LEFT	
4.512	4.544	PULLOUT	LEFT	
4.680	4.757	PULLOUT	RIGHT	
4.680	4.761	CURB	RIGHT	
4.998	5.022	CURB	RIGHT	
4.999	5.026	PULLOUT	RIGHT	
5.159	5.199	PULLOUT	RIGHT	
5.162	5.194	CURB	RIGHT	
6.019	6.058	CURB	RIGHT	
6.019	6.059	PULLOUT	RIGHT	
6.213	6.248	PULLOUT	RIGHT	
6.215	6.242	CURB	RIGHT	
6.361	6.361	INTERSECTION	RIGHT	RTE 903, LONGMIRE RANGER STATION LOOP
6.436	6.436	INTERSECTION	RIGHT	RTE 903, LONGMIRE RANGER STATION LOOP
6.467	6.467	INTERSECTION	RIGHT	RTE 100, BACKROAD(LONGMIRE)
6.723	6.764	PULLOUT	RIGHT	

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : SR 706 (NISQUALLY/PARADISE ROAD)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
6.725	6.761	CURB	RIGHT	
6.833	6.833	INTERSECTION	RIGHT	RTE 906, WONDERLAND TRAIL PARKING
7.324	7.331	GUARD WALL	RIGHT	
8.406	8.439	PULLOUT	LEFT	
8.409	8.438	CURB	LEFT	
8.451	8.511	PULLOUT	RIGHT	
8.452	8.509	CURB	RIGHT	
8.565	8.565	INTERSECTION	BOTH	RTE 907, COUGAR ROCK PICNIC AREA/RTE 205, COUGAR ROCK CMPGRND
8.711	8.747	PULLOUT	RIGHT	
8.715	8.743	CURB	RIGHT	
9.305	9.347	PULLOUT	LEFT	
9.767	9.812	CURB	LEFT	
9.772	9.800	PULLOUT	LEFT	
10.436	10.436	INTERSECTION	LEFT	RTE 908, VAN TRUMP PARK TRAIL PARKING
10.640	10.766	GUARD WALL	RIGHT	
10.671	10.688	PULLOUT	RIGHT	
10.698	10.705	BRIDGE	N/A	
10.725	10.757	PULLOUT	RIGHT	
11.072	11.117	PULLOUT	RIGHT	
11.494	11.494	INTERSECTION	RIGHT	RTE 910, NISQUALLY RIVER PARKING
11.565	11.734	GUARDRAIL	RIGHT	
11.575	11.725	GUARDRAIL	LEFT	
11.576	11.719	BRIDGE	N/A	
11.730	11.864	PULLOUT	RIGHT	
11.734	11.734	DROP INLET	RIGHT	

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : SR 706 (NISQUALLY/PARADISE ROAD)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
11.928	12.389	RETAINING WALL	LEFT	
12.348	12.792	GUARD WALL	RIGHT	
12.669	12.669	INTERSECTION	RIGHT	RTE 203, MILLER CUTOFF
13.133	13.133	INTERSECTION	RIGHT	RTE 203, MILLER CUTOFF
13.756	13.756	INTERSECTION	LEFT	RTE 912
14.003	14.043	PULLOUT	RIGHT	
14.009	14.042	CURB	RIGHT	
14.045	14.104	PULLOUT	LEFT	
14.104	14.149	PULLOUT	RIGHT	
14.105	14.139	CURB	RIGHT	
14.164	14.279	PULLOUT	RIGHT	
14.167	14.276	CURB	RIGHT	
14.504	14.817	GUARD WALL	RIGHT	
14.516	14.516	INTERSECTION	RIGHT	
14.689	14.689	INTERSECTION	RIGHT	RTE 913, NARADA FALLS PARKING
14.794	14.794	INTERSECTION	RIGHT	RTE 913, NARADA FALLS PARKING
14.983	15.030	PULLOUT	LEFT	
15.136	15.169	PULLOUT	RIGHT	
15.519	15.519	INTERSECTION	RIGHT	RTE 013 STEVEN'S CANYON ROAD
16.040	16.093	PULLOUT	LEFT	
16.377	16.443	CURB	LEFT	
16.377	16.451	PULLOUT	LEFT	
16.606	16.606	INTERSECTION	LEFT	RTE 914, PARADISE WATER PLANT
16.719	16.756	PULLOUT	RIGHT	
16.889	16.889	INTERSECTION	RIGHT	RTE 202, PARADISE PICNIC AREA

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : SR 706 (NISQUALLY/PARADISE ROAD)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
17.227	17.227	INTERSECTION	RIGHT	RTE 202, PARADISE PICNIC AREA
17.278	17.302	CURB	RIGHT	
17.280	17.305	PULLOUT	RIGHT	
17.411	17.411	INTERSECTION	LEFT	RTE 916, PARADISE LODGE PARKING
17.420	17.594	CURB	LEFT	
17.570	17.570			ROUTE ENDS AT PARADISE LODGE PARKING (RT 916)

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0100 : LONGMIRE BACKROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 014
0.019	0.019	INTERSECTION	RIGHT	
0.042	0.042	INTERSECTION	RIGHT	
0.072	0.072	INTERSECTION	LEFT	
0.087	0.087	INTERSECTION	RIGHT	
0.089	0.089	INTERSECTION	LEFT	
0.101	0.101	INTERSECTION	RIGHT	
0.137	0.137	INTERSECTION	LEFT	
0.138	0.138	INTERSECTION	RIGHT	
0.207	0.207	INTERSECTION	LEFT	
0.215	0.215	INTERSECTION	RIGHT	
0.227	0.227	INTERSECTION	RIGHT	
0.314	0.350	BRIDGE	N/A	
0.368	0.396	GUARDRAIL	RIGHT	
0.564	0.564	INTERSECTION	LEFT	
0.575	0.575	INTERSECTION	RIGHT	RTE 204, LONGMIRE CAMPGROUND
0.584	0.584	INTERSECTION	LEFT	
0.636	0.636	INTERSECTION	LEFT	
0.671	0.671	INTERSECTION	RIGHT	
0.750	0.750	INTERSECTION	LEFT	
0.790	0.790	INTERSECTION	LEFT	
0.950	0.950	INTERSECTION	LEFT	
1.218	1.218	INTERSECTION	RIGHT	
1.500	1.500			ROUTE ENDS AT GATE

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0200A : WHITE RIVER CAMPGROUND ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 011
0.103	0.103	INTERSECTION	LEFT	
1.020	1.020			ROUTE ENDS AT RTE 200B

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203 : MILLER CUTOFF

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT EAST INTERSECTION OF RTE 014
0.004	0.418	GUARD WALL	RIGHT	
0.048	0.048	INTERSECTION	RIGHT	
0.081	0.108	PULLOUT	RIGHT	
0.274	0.274	INTERSECTION	RIGHT	
0.522	0.565	PULLOUT	LEFT	
0.526	0.555	CURB	LEFT	
0.613	0.878	GUARD WALL	RIGHT	
0.884	0.977	PULLOUT	RIGHT	
0.909	0.973	CURB	RIGHT	
1.030	1.030			ROUTE ENDS AT WEST INTERSECTION OF RTE 014

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0400 : TAHOMA WOODS ADMINISTRATIVE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT SR 706 (10 MI W OF NISQUALLY ENTRANCE/PAST ASHFORD)
0.078	0.078	INTERSECTION	RIGHT	
0.108	0.108	INTERSECTION	LEFT	
0.111	0.149	CURB	LEFT	
0.151	0.151	INTERSECTION	LEFT	
0.154	0.162	CURB	LEFT	
0.309	0.309	INTERSECTION	LEFT	
0.310	0.310			ROUTE ENDS AT GREENHOUSE (NEED KEY)

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0401 : TAHOMA WOODS RESIDENTIAL ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 400
0.100	0.100	INTERSECTION	LEFT	
0.105	0.105	DROP INLET	RIGHT	
0.127	0.127	INTERSECTION	RIGHT	
0.131	0.131	DROP INLET	RIGHT	
0.131	0.131	INTERSECTION	LEFT	
0.147	0.147	INTERSECTION	LEFT	
0.151	0.151	DROP INLET	RIGHT	
0.157	0.157	INTERSECTION	LEFT	
0.166	0.166	INTERSECTION	RIGHT	
0.172	0.172	INTERSECTION	RIGHT	
0.175	0.175	INTERSECTION	LEFT	
0.179	0.179	DROP INLET	RIGHT	
0.201	0.201	INTERSECTION	LEFT	
0.207	0.207	DROP INLET	RIGHT	
0.231	0.231	INTERSECTION	LEFT	
0.235	0.235	DROP INLET	RIGHT	
0.246	0.257	PULLOUT	RIGHT	
0.283	0.283	DROP INLET	RIGHT	
0.295	0.303	PULLOUT	RIGHT	
0.302	0.302	DROP INLET	RIGHT	
0.324	0.324	INTERSECTION	LEFT	
0.329	0.329	DROP INLET	RIGHT	
0.329	0.336	PULLOUT	RIGHT	
0.360	0.360	DROP INLET	RIGHT	
0.501	0.510	PULLOUT	RIGHT	
0.507	0.507	DROP INLET	RIGHT	

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0401 : TAHOMA WOODS RESIDENTIAL ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.526	0.534	PULLOUT	RIGHT	
0.536	0.536	DROP INLET	RIGHT	
0.568	0.568	INTERSECTION	LEFT	
0.573	0.573	DROP INLET	RIGHT	
0.598	0.605	PULLOUT	RIGHT	
0.604	0.604	DROP INLET	RIGHT	
0.632	0.632	DROP INLET	RIGHT	
0.661	0.661	DROP INLET	RIGHT	
0.665	0.674	PULLOUT	RIGHT	
0.689	0.689	DROP INLET	RIGHT	
0.707	0.707	DROP INLET	RIGHT	
0.722	0.750	CURB	RIGHT	
0.726	0.726	DROP INLET	RIGHT	
0.739	0.739	INTERSECTION	RIGHT	
0.743	0.743	DROP INLET	RIGHT	
0.769	0.769	INTERSECTION	RIGHT	
0.770	0.770			ROUTE ENDS AT END OF LOOP
0.773	0.773	DROP INLET	RIGHT	

MORA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500 : VALLEY ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 014
0.005	0.005	INTERSECTION	LEFT	RTE 903, RANGER STATION LOOP
0.089	0.362	GUARD WALL	RIGHT	
0.440	0.449	BRIDGE	N/A	
0.641	0.649	BRIDGE	N/A	
0.660	0.660	INTERSECTION	RIGHT	RTE 905, LONGMIRE MAINT AREA
0.715	0.715	INTERSECTION	LEFT	
0.722	0.722	INTERSECTION	RIGHT	RTE 404, LONGMIRE ASTE WATER TREATMENT PLANT ROAD
1.583	1.583	INTERSECTION	LEFT	
1.618	1.618	INTERSECTION	LEFT	
1.847	1.847	INTERSECTION	RIGHT	RTE 917, FOURTH CROSSING PARKING
2.210	2.210			ROUTE ENDS AT RTE 013
2.210	2.210	INTERSECTION	RIGHT	
2.211	2.211	INTERSECTION	LEFT	

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
9450	Numeric Code for Mount Rainier National Park
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
CRS	Condition Rating Sheets. (Section 5)
Drainage Condition Rating	A visual rating (Good, Poor) of the drainage condition. (see Section 10)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value between 61 and 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value between 85 and 94
IRI	International Roughness Index
Lane Width	Distance from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MORA	Alpha Code for Mount Rainier National Park
MRR	Manually Rated Route
NA	Not Applicable
NC	Not Collected
Paved Width	Distance from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (see Section 10)

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

APPENDIX B: DESCRIPTION OF RATING SYSTEM

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

Data is collected on the following distresses and conditions:

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

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

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

Rating Index Formulas

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

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

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

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

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

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

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

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

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

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

Parking Lot and Manually Rated Road Condition Rating

Surface Condition Distresses- Chip Seal:

Raveling – loss of surface rock chips revealing previous surface

Bleeding – asphalt or tar is bleeding through to the surface where surface looks slick with asphalt

Rutting

Potholes/Patching

Ratings - Chip Seal:

Excellent – None of the surface affected by the above (recently constructed)

Good – Less than 10% of surface affected by the above

Fair – Between 10% and 40% of surface affected by the above

Poor – More than 40% of surface affected by the above

Surface Condition - Asphalt:

Cracking of any type

Rutting

Potholes/Patching

Ratings - Asphalt:

Excellent – None of the surface affected by the above (recently constructed)

Good – Less than 10% of surface affected by the above

Fair – Between 10% and 40% of surface affected by the above

Poor – More than 40% of surface affected by the above

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

Excellent	97
Good	90
Fair	73
Poor	45

Drainage Condition Rating Definitions

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

Drainage Condition Rating Criteria

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

Good Drainage

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

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

Poor Drainage

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

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

Shoulder Condition Rating Definitions

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

Shoulder Rating Criteria

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

Good Shoulders

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

Poor Shoulder

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

APPENDIX C: DIGITAL IMAGE INFORMATION

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

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

APPENDIX D: METADATA

ARAN ROUTE GPS DATA

Background information of route spatial data.

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

Data Collection Device:

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

Accuracy: Expected ground accuracy is 1 meter *

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

Geographic Datum: WGS 1984

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

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

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

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

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

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

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

Specific Caveats

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

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

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

Key to Notes in Tables

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

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

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

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

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

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

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

Access Database Metadata

Master Table Metadata:

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

PMS_Feature Table Metadata:

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

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

PMS 20, PMS Mile & PMS Visidata Tables Metadata:

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

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

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

Cycle 3 Shapefile Metadata

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

All shapefiles have the following spatial characteristics:

Geographic_Coordinate_Units: Decimal degrees
Spheroid: WGS 1984

mora_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: mora_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: -122.122200

East_Bounding_Coordinate: -121.514732

North_Bounding_Coordinate: 46.977886

South_Bounding_Coordinate: 46.708385

Keywords:

Theme:

Theme_Keyword_Thesaurus: MORA

Theme_Keyword: MORA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for routes

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 77

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: mora_mi

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: FNODE_

Attribute_Definition: Length of feature

Attribute_Definition_Source: ESRI

Attribute:

Attribute_Label: TNODE_

Attribute:

Attribute_Label: LPOLY_

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RPOLY_

Attribute_Definition: Collected route length

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: LENGTH

Attribute_Definition: Numeric PCR definition

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0

Range_Domain_Maximum: 100

Attribute:

Attribute_Label: MORA_MI_

Attribute_Definition: Verbal PCR definition

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: POOR

Enumerated_Domain_Value_Definition: PCR value <= 60

Enumerated_Domain:

Enumerated_Domain_Value: FAIR

Enumerated_Domain_Value_Definition: PCR value 61-84

Enumerated_Domain:

Enumerated_Domain_Value: GOOD

Enumerated_Domain_Value_Definition: PCR value 85-94

Enumerated_Domain:

Enumerated_Domain_Value: EXCELLENT

Enumerated_Domain_Value_Definition: PCR value 95-100

Attribute:

Attribute_Label: MORA_MI_ID

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

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition: No edit made to feature.

Attribute:

Attribute_Label: ID

Attribute:

Attribute_Label: RTE_NO

Attribute:

Attribute_Label: BMP

Attribute:

Attribute_Label: EMP

Attribute:

Attribute_Label: PCR

Attribute:

Attribute_Label: PCR_RATE

Attribute:

Attribute_Label: RT_LENGTH

Attribute:

Attribute_Label: PCRMI

Attribute:

Attribute_Label: PCR_RATEMI

Attribute:

Attribute_Label: PCR_RATEAV

Attribute:

Attribute_Label: PCRAV

Attribute:

Attribute_Label: TSR_EDIT

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.016

Metadata_Reference_Information:

Metadata_Date: 20051220

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: EFLHD Sterling

Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

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

Profile_Name: ESRI Metadata Profile

Generated by [mp](#) version 2.7.33 on Tue Dec 20 09:10:49 2005

mora_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: mora_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: -122.119781

East_Bounding_Coordinate: -121.515373

North_Bounding_Coordinate: 46.970688

South_Bounding_Coordinate: 46.711948

Keywords:

Theme:

Theme_Keyword_Thesaurus: MORA

Theme_Keyword: MORA

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: 90

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: mora_mi_pt

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: RIP_CYCLE

Attribute_Definition: 3, for data collection cycle 3

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: STATE

Attribute_Definition: State where route is located

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: PARK_NO

Attribute_Definition: Park numeric code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: FUNCT_CLAS

Attribute_Definition: Route functional class

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: DIRECTION

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

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: BEG_MP

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

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: END_MP

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

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: INT_LENGTH

Attribute_Definition: Length of road interval as aggregated from data table

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: RTE_LENGTH

Attribute_Definition: Collected route length

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: NO_LANES

Attribute_Definition: Number of lanes in route

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: LANE_NO

Attribute_Definition: Data collection lane

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: WX_LANE_WI

Attribute_Definition: WiseCrax (crack detection software) analysis width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: LANE_WIDTH

Attribute_Definition: Width of lane

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: PAVE_WIDTH

Attribute_Definition: Full pavement width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SHLD_WIDTH

Attribute_Definition: Left shoulder width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SHLD_WID_1

Attribute_Definition: Right shoulder width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SHLD_COND_

Attribute_Definition: Left shoulder condition

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: SHLD_COND1

Attribute_Definition: Right shoulder condition

Attribute_Definition_Source: ARAN Data Collection

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

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

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

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

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

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

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

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

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

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

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

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

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

Attribute_Definition_Source: Contractor Post-processing

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.030

Metadata_Reference_Information:

Metadata_Date: 20051220

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 Dec 20 09:11:03 2005

mora_mrl_03_map

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Published Materials

Title: mora_mrl_03_map

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Copy of Manually Rated Roads - Lines

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 6/9/2001

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -121.799275

East_Bounding_Coordinate: -121.564395

North_Bounding_Coordinate: 46.915903

South_Bounding_Coordinate: 46.732447

Keywords:

Theme:

Theme_Keyword_Thesaurus: MORA

Theme_Keyword: MORA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for parking areas

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 19

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: mora_mrl_03_map

Entity_Type_Definition_Source: GPS

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Enumerated_Domain:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route Number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NAME

Attribute_Definition: Route Name

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: SECTION_

Attribute_Definition: Route Section ID

Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection

Attribute:

Attribute_Label: SURF_TYPE

Attribute_Definition: Surface type of route

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: CONDITION

Attribute_Definition: Condition rating

Attribute_Domain_Values:

Attribute:

Attribute_Label: COMMENT

Attribute_Definition: Field comment

Attribute:

Attribute_Label: GPS_DATE

Attribute_Definition: Date of GPS Collection

Attribute:

Attribute_Label: DATAFILE

Attribute:

Attribute_Label: PAVE_WIDTH

Attribute_Definition: Width of the paved area

Attribute:

Attribute_Label: PAVED_MI

Attribute_Definition: Calculated paved miles

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.037

Metadata_Reference_Information:

Metadata_Date: 20051220

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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mora_mrl_03

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Published Materials

Title: mora_mrl_03

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Manually Rated Roads - Lines

Purpose: Road Inventory Program

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 6/9/2001

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -121.799275

East_Bounding_Coordinate: -121.564395

North_Bounding_Coordinate: 46.915903

South_Bounding_Coordinate: 46.732447

Keywords:

Theme:

Theme_Keyword_Thesaurus: MORA

Theme_Keyword: MORA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

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

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

*Data_Quality_Information:**Attribute_Accuracy:**Attribute_Accuracy_Report:* Good*Completeness_Report:* Complete for parking areas*Lineage:**Source_Information:**Type_of_Source_Media:* GPS

*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* String*Point_and_Vector_Object_Count:* 19

*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:* mora_mrl_03*Entity_Type_Definition_Source:* GPS*Attribute:**Attribute_Label:* FID*Attribute_Definition:* Internal feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Enumerated_Domain:**Unrepresentable_Domain:*

Sequential unique whole numbers that are automatically generated.

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

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

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

*Metadata_Reference_Information:**Metadata_Date:* 20051220*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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mora_mrr_03_map

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Published Materials

Title: mora_mrr_03_map

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Copy of Manually Rated Roads - Lines

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 10/6/1998

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -122.115564

East_Bounding_Coordinate: -121.635469

North_Bounding_Coordinate: 46.903306

South_Bounding_Coordinate: 46.737793

Keywords:

Theme:

Theme_Keyword_Thesaurus: MORA

Theme_Keyword: MORA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for parking areas

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: G-polygon

Point_and_Vector_Object_Count: 5

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: mora_mrr_03_map

Entity_Type_Definition_Source: GPS

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Enumerated_Domain:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route Number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NAME

Attribute_Definition: Route Name

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: SECTION_

Attribute_Definition: Route Section ID

Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection

Attribute:

Attribute_Label: SURF_TYPE

Attribute_Definition: Surface type of route

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: CONDITION

Attribute_Definition: Condition rating

Attribute_Domain_Values:

Attribute:

Attribute_Label: COMMENT

Attribute_Definition: Field comment

Attribute:

Attribute_Label: GPS_DATE

Attribute_Definition: Date of GPS Collection

Attribute:

Attribute_Label: DATAFILE

Attribute:

Attribute_Label: SQ_FT

Attribute_Definition: Width of the paved area

Attribute:

Attribute_Label: PAVED_MI

Attribute_Definition: Calculated paved miles

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.037

Metadata_Reference_Information:

Metadata_Date: 20051220

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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mora_mrr_03

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: Eastern Federal Lands Highway Division

Publication_Date: Published Materials

Title: mora_mrr_03

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Manually Rated Roads - Lines

Purpose: Road Inventory Program

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 10/6/1998

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -122.115564

East_Bounding_Coordinate: -121.635829

North_Bounding_Coordinate: 46.903306

South_Bounding_Coordinate: 46.737793

Keywords:

Theme:

Theme_Keyword_Thesaurus: MORA

Theme_Keyword: MORA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

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

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

*Data_Quality_Information:**Attribute_Accuracy:**Attribute_Accuracy_Report:* Good*Completeness_Report:* Complete for parking areas*Lineage:**Source_Information:**Type_of_Source_Media:* GPS*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* G-polygon*Point_and_Vector_Object_Count:* 5*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:* mora_mrr_03*Entity_Type_Definition_Source:* GPS*Attribute:**Attribute_Label:* FID*Attribute_Definition:* Internal feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Enumerated_Domain:**Unrepresentable_Domain:*

Sequential unique whole numbers that are automatically generated.

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

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

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

*Metadata_Reference_Information:**Metadata_Date:* 20051220*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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mora_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: mora_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: 10/6/1998

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -122.121616

East_Bounding_Coordinate: -121.519488

North_Bounding_Coordinate: 46.919880

South_Bounding_Coordinate: 46.709093

Keywords:

Theme:

Theme_Keyword_Thesaurus: MORA

Theme_Keyword: MORA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for parking areas

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: G-polygon

Point_and_Vector_Object_Count: 53

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: mora_pkg_03_map

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NAME

Attribute_Definition: Route name

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: FEATURE

Attribute:

Attribute_Label: SURF_TYPE

Attribute_Definition: Surface type of route

Attribute_Domain_Values:

Attribute:

Attribute_Label: CONDITION

Attribute_Definition: Condition rating for route

Attribute:

Attribute_Label: PHOTOS

Attribute_Definition: Photo filename associated with feature

Attribute:

Attribute_Label: COMMENT

Attribute_Definition: Field comment

Attribute:

Attribute_Label: GPS_DATE

Attribute_Definition: Date of GPS collection

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

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

*Metadata_Reference_Information:**Metadata_Date:* 20051220*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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mora_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: mora_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: 10/6/1998

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -122.121615

East_Bounding_Coordinate: -121.519500

North_Bounding_Coordinate: 46.919929

South_Bounding_Coordinate: 46.709093

Keywords:

Theme:

Theme_Keyword_Thesaurus: MORA

Theme_Keyword: MORA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

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

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

*Data_Quality_Information:**Attribute_Accuracy:**Attribute_Accuracy_Report:* Good*Completeness_Report:* Complete for parking areas*Lineage:**Source_Information:**Type_of_Source_Media:* GPS

*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* G-polygon*Point_and_Vector_Object_Count:* 53

*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:* mora_pkg_03*Attribute:**Attribute_Label:* FID*Attribute_Definition:* Internal feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:*

Sequential unique whole numbers that are automatically generated.

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

Attribute_Definition: Feature area in square feet

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.018

Metadata_Reference_Information:

Metadata_Date: 20051220

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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mora_seg

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: mora_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: -122.122200

East_Bounding_Coordinate: -121.514732

North_Bounding_Coordinate: 46.977806

South_Bounding_Coordinate: 46.708385

Keywords:

Theme:

Theme_Keyword_Thesaurus: MORA

Theme_Keyword: MORA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for routes

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 749

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: mora_seg

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: FNODE_

Attribute_Definition: Length of feature

Attribute_Definition_Source: ESRI

Attribute:

Attribute_Label: TNODE_

Attribute:

Attribute_Label: LPOLY_

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RPOLY_

Attribute_Definition: Collected route length

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: LENGTH

Attribute_Definition:

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

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0

Range_Domain_Maximum: 100

Attribute:

Attribute_Label: MORA_SEG_

Attribute_Definition: Verbal PCR definition based on value in PCRAV field

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: POOR

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

Attribute:

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

Attribute:

Attribute_Label: ID

Attribute:

Attribute_Label: RTE_NO

Attribute:

Attribute_Label: BMP

Attribute:

Attribute_Label: EMP

Attribute:

Attribute_Label: PCR

Attribute:

Attribute_Label: PCR_RATE

Attribute:

Attribute_Label: RT_LENGTH

Attribute:

Attribute_Label: PCRMI

Attribute:

Attribute_Label: PCR_RATEMI

Attribute:

Attribute_Label: PCR_RATEAV

Attribute:

Attribute_Label: PCRAV

Attribute:

Attribute_Label: TSR_EDIT

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20051220
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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