



# The Road Inventory of Denali National Park and Preserve DENA - 9830



national park service



## Road Inventory Program

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



# Denali National Park and Preserve in Alaska





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## INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

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## Denali National Park and Preserve Summaries

### Overall Park Mileage Summary

<b>PARK TOTAL SUMMARY ITEMS</b>	<b>TOTAL</b>	<b>DATE</b>
Paved ARAN Driven Route Miles	94.49	8/24/2002
Unpaved Estimated Route Miles	236.32	8/24/2002
Paved ARAN and Unpaved Route Miles	330.81	
Paved ARAN Driven Lane Miles	188.44	8/24/2002
Paved MRR Lane Miles	3.29	8/24/2002
Parking Lot Lane Miles	8.91	8/24/2002
Total Paved Lane Miles	200.64	

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)

## Denali National Park and Preserve 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	81.97	\$2,459,100
Good	5.84	\$642,400
Fair	5.68	\$3,180,800
Poor	1.00	\$1,540,000
<b>Totals</b>	<b>94.49</b>	<b>\$7,822,300</b>

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

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

## Denali National Park and Preserve 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	0.92	0.97%	5.10	5.40%	5.24	5.55%	81.55	86.31%	92.81
2	0.04	0.04%	0.01	0.01%			0.11	0.12%	0.16
3	0.04	0.04%	0.44	0.47%	0.34	0.36%	0.27	0.29%	1.09
4									
5			0.13	0.14%	0.26	0.28%	0.04	0.04%	0.43
6									
7									
8									
<b>Totals</b>	<b>1.00</b>	<b>1.06%</b>	<b>5.68</b>	<b>6.01%</b>	<b>5.84</b>	<b>6.18%</b>	<b>81.97</b>	<b>86.75%</b>	<b>94.49</b>

# Denali National Park and Preserve Route Location Key Map

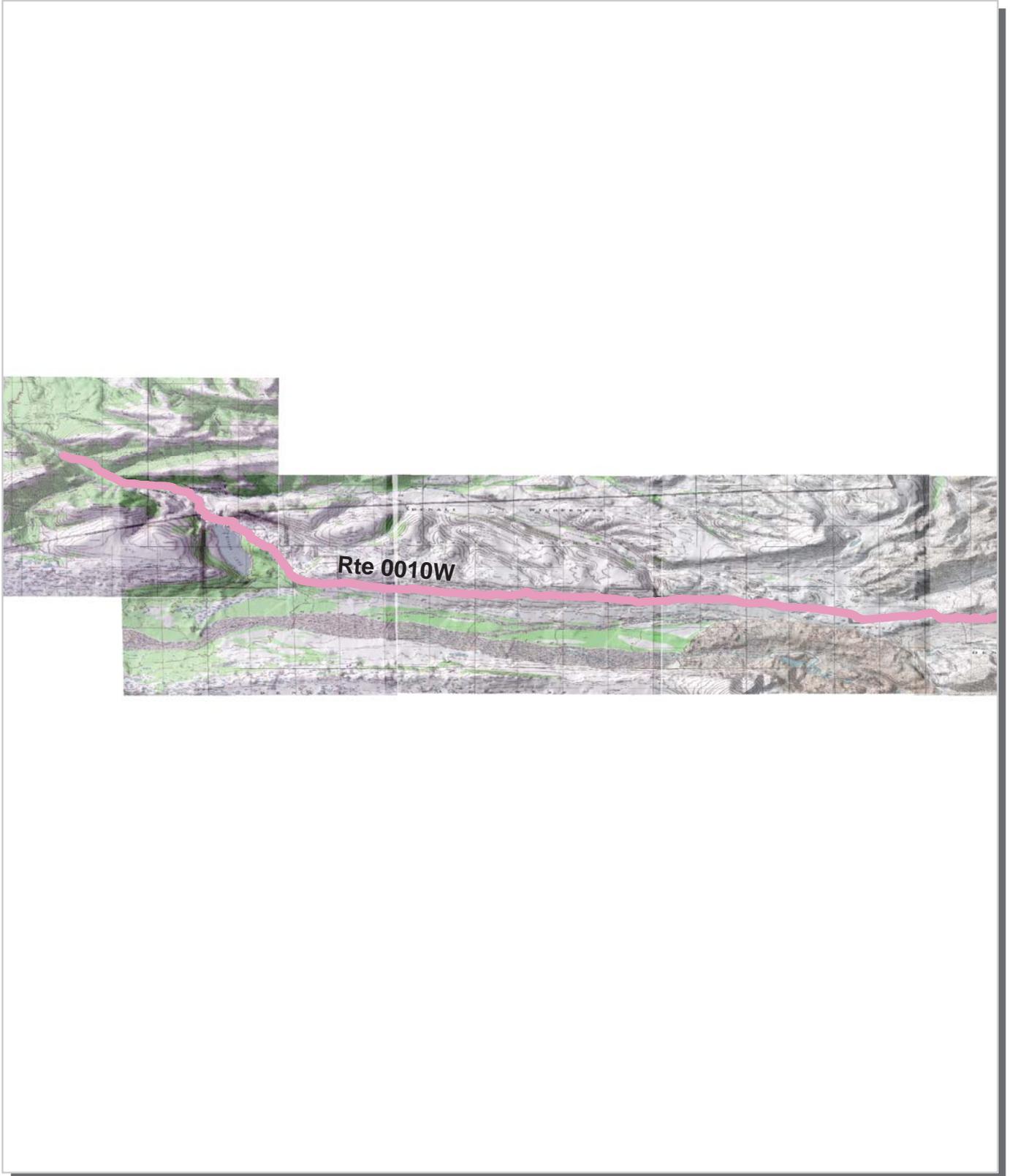


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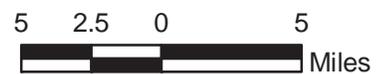
 Park Owned Routes



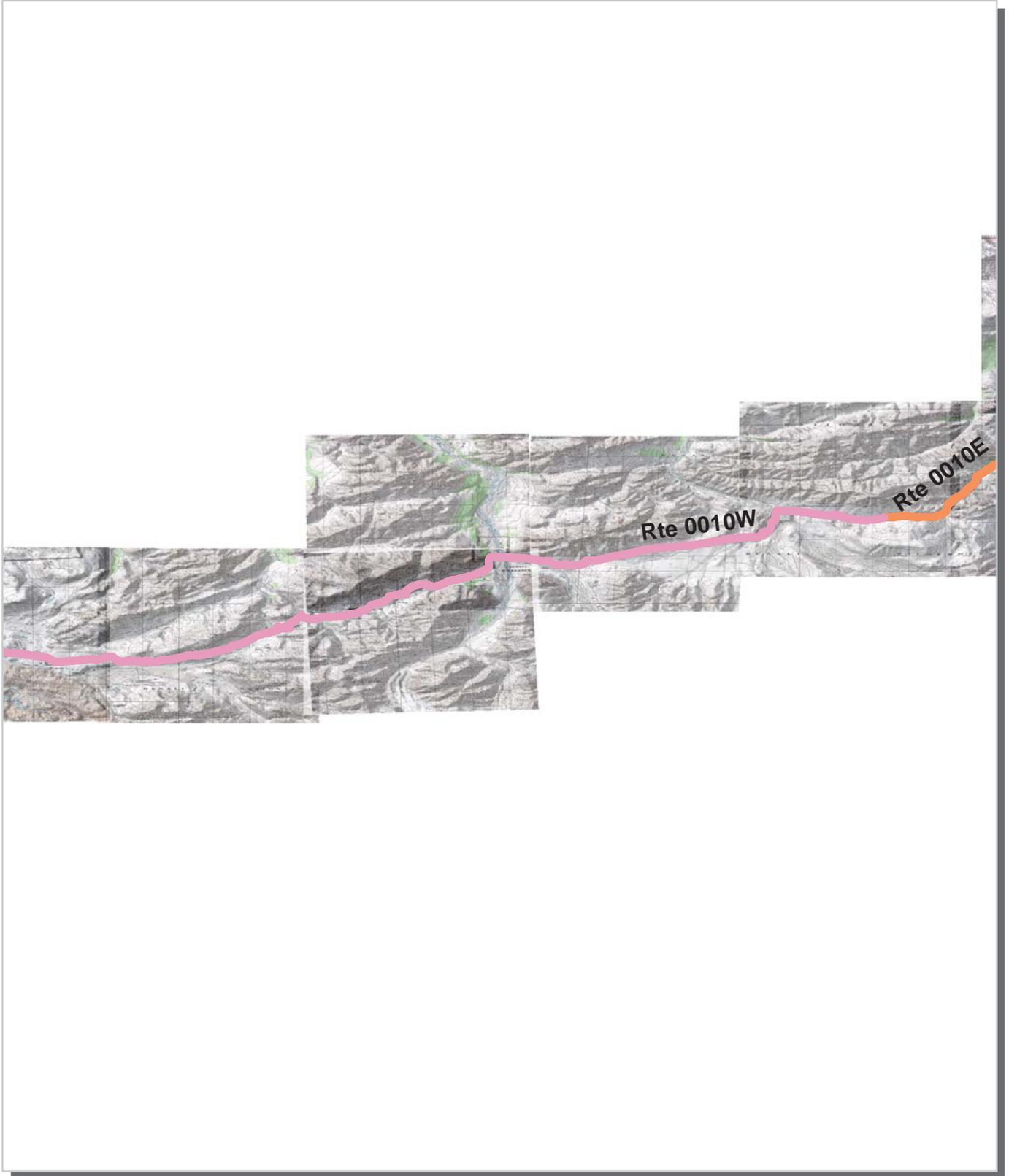
# Denali National Park and Preserve Route Location Area Map 1



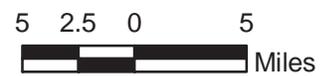
Unique colors used to differentiate routes



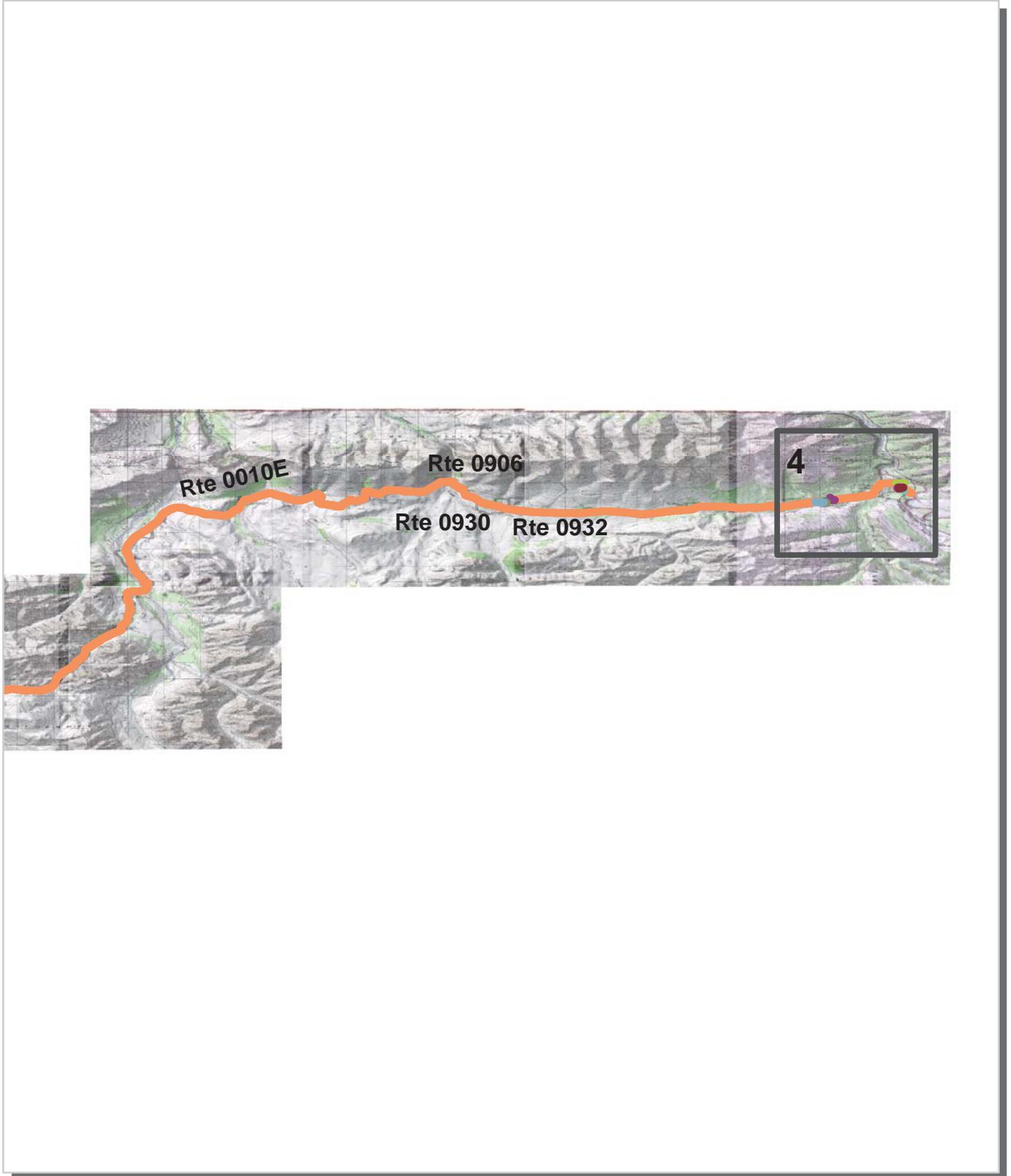
# Denali National Park and Preserve Route Location Area Map 2



Unique colors used to differentiate routes



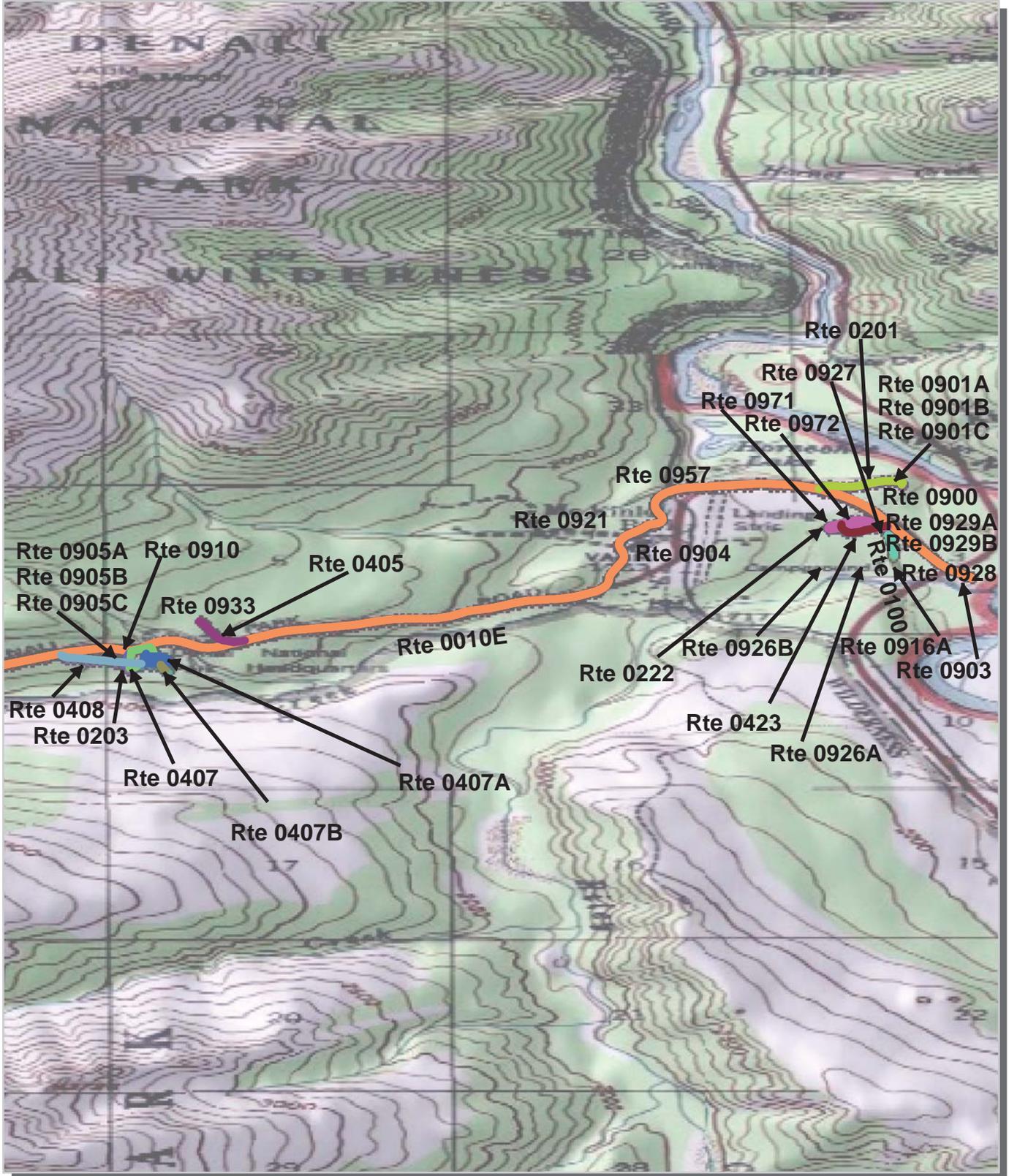
# Denali National Park and Preserve Route Location Area Map 3



Unique colors used to differentiate routes



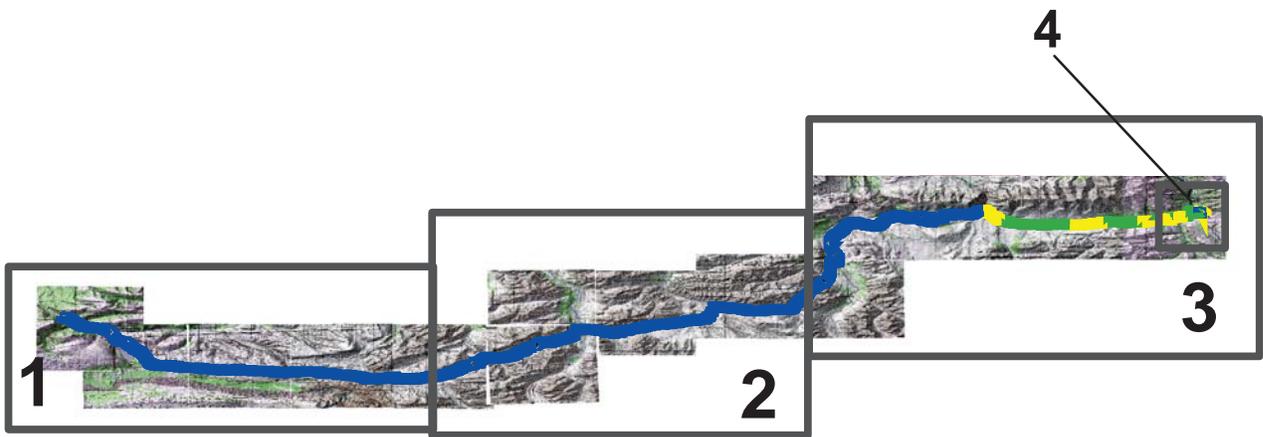
# Denali National Park and Preserve Route Location Area Map 4



Unique colors used to differentiate routes



# Denali National Park and Preserve Route Condition Key Map PCR - Mile by Mile



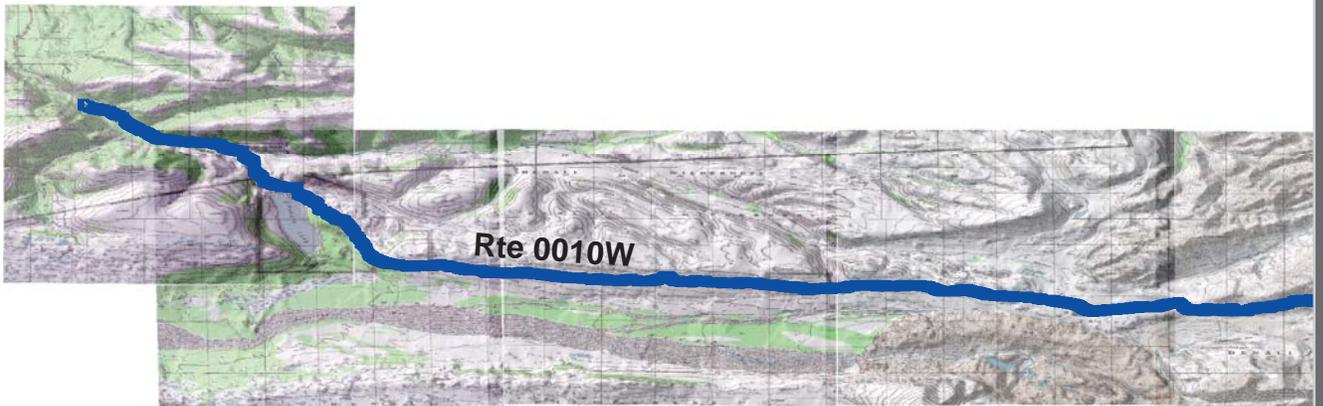
No Data Available

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.

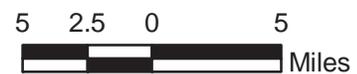


# Denali National Park and Preserve Route Condition Area Map 1 PCR - Mile by Mile

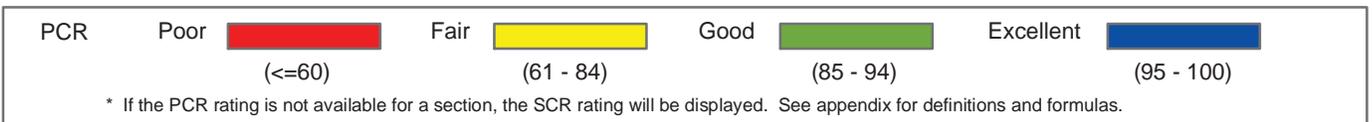


PCR    Poor       Fair       Good       Excellent     
( $\leq 60$ )                      (61 - 84)                      (85 - 94)                      (95 - 100)

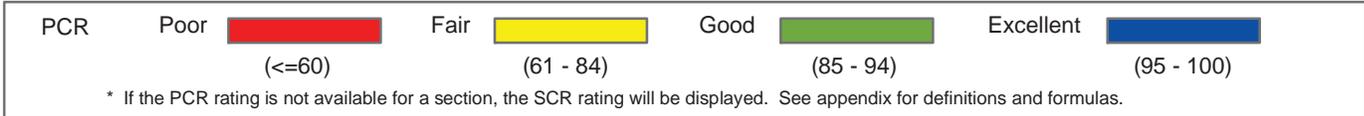
\* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.



# Denali National Park and Preserve Route Condition Area Map 2 PCR - Mile by Mile



# Denali National Park and Preserve Route Condition Area Map 3 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 =	

## DENA

Denali National Park and Preserve

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							
0010E	20052	DENALI PARK ROAD - EAST	From State Highway 3 to Savage River MP (15.0) - Paved Section	From Savage River (MP 15.0) to MP 40.0 - Unpaved Section	14.89	25.00	39.89	1	2	0	AS
0010W	20051	DENALI PARK ROAD - WEST	From End of Route 0010E at MP 40.0	To Kantishna Airstrip (End)	0.00	51.25	51.25	1	2	0	GR
0100	22435	RILEY CREEK CAMPGROUND ACCESS ROAD	From Route 0222	To Route 0916A	0.16	0.00	0.16	2	2	0	AS
0103	39571	WONDER LAKE CAMPGROUND ACCESS ROAD	Adjacent to Route 0010W at MP 69.857	Through Campground	0.00	1.57	1.57	3	2	0	GR
0200A		RILEY CREEK CAMPGROUND LOOP 1	Adjacent to Route 0100	To End of Loop	0.56	0.00	0.56	3	1	35,482	AS
0200B		RILEY CREEK CAMPGROUND LOOP 2	Adjacent to Route 0100	To End of Loop	0.52	0.00	0.52	3	1	33,137	AS
0200C		RILEY CREEK CAMPGROUND LOOP 3	Adjacent to Route 0100	To End of Loop	0.52	0.00	0.52	3	1	33,137	AS
0201	39573	VISITOR ACCESS CENTER ROAD	From Route 0010E at MP 0.75	To Route 0900	0.29	0.00	0.29	1	2	0	AS
0203	39575	HEADQUARTERS ACCESS ROAD	From Route 0010E MP 3.4	To End of pavement	0.11	0.08	0.19	5	2	0	AS
0204	39577	SAVAGE RIVER CAMPGROUND ACCESS ROAD	Adjacent to Route 0010E at MP 12.9	Through Campground	0.00	0.30	0.30	3	2	0	GR
0205	39578	SANCTUARY CAMPGROUND ACCESS ROAD	Adjacent to Route 0010E at MP 7.8	Through Campground	0.00	0.10	0.10	3	2	0	GR
0206	39579	TEKLANIKA CAMPGROUND ACCESS ROAD	Adjacent to Route 0010E at MP 14.35	Through Campground	0.00	0.16	0.16	3	2	0	GR
0207	39581	IGLOO CAMPGROUND LOOP	Adjacent to Route 0010E at MP 19.3	To End of Loop	0.00	0.11	0.11	3	1	0	GR
0208	39582	WONDER LAKE CAMPGROUND LOOPS	Adjacent to Route 0103	Through Campground	0.00	0.24	0.24	3	1	0	GR
0209A		SAVAGE RIVER CAMPGROUND LOOP A	Adjacent to Route 0204	To End of Loop	0.00	0.24	0.24	3	1	0	GR
0209B		SAVAGE RIVER CAMPGROUND LOOP B	Adjacent to Route 0204	To End of Loop	0.00	0.27	0.27	3	1	0	GR
0210A		TEKLANIKA CAMPGROUND LOOP A	Adjacent to Route 0206	To End of Loop	0.00	0.21	0.21	3	1	0	GR
0210B		TEKLANIKA CAMPGROUND LOOP B	Adjacent to Route 0206	To End of Loop	0.00	0.22	0.22	3	2	0	GR
0211	39585	SANCTUARY CAMPGROUND SPUR	From Route 0205	To End	0.00	0.07	0.07	3	2	0	GR
0220	39586	MORENO CAMPGROUND LOOP	From Route 0010E at MP 1.8	To End of loop	0.00	0.21	0.21	3	1	0	GR
0222		MERCANTILE ACCESS ROAD	From Route 0010E at MP 0.4 on Left	Around Loop to Route 0010E	0.41	0.00	0.41	3	1	0	AS
0223		DEPOT ACCESS ROAD	From Route 0010E at MP 1.4	To Route 0010E	0.92	0.00	0.92	3	2	87,532	AS
0300	39588	WONDER LAKE SHUTTLE SERVICE ROAD	From Route 0103	To End of Loop	0.00	0.42	0.42	3	2	0	GR
0400	39589	DUMP PIT ROAD	From Approximately MP 234 on Highway 3	To End	0.00	0.20	0.20	6	2	0	GR
0401	39590	SEWAGE LAGOON ROAD	From Route 0010E at MP 0.22	To Route 0925	0.00	0.16	0.16	6	2	9,820	GR

# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes approx. mileage

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

## DENA

Denali National Park and Preserve

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							
0402	39591	AIRSTRIP ACCESS ROAD	From Route 0010 East MP 1.13	To End	0.00	0.45	0.45	3	2	0	GR
0404	39595	HOTEL WATER SUPPLY ROAD	From Route 0202 at MP 0.06	To Pumphouse at End	0.00	0.64	0.64	5	2	0	GR
0405	39603	"C" CAMP RESIDENCE & MAINTENANCE ROAD	From Route 0010E at MP 3.05	To Maintenance Lot	0.19	0.00	0.19	5	1	0	AS
0406	39756	ROCK CREEK PUMPHOUSE ROAD	From Route 0010E at MP 3.3	To End	0.00	0.24	0.24	3	2	0	GR
0407	39760	HEADQUARTERS HOUSING AREA ROAD	From Route 0010E	To Route 0203	0.20	0.00	0.20	3	2	0	AS
0407A	39763	HEADQUARTERS HOUSING AREA ROAD A	From Route 0407, cross over Route 0407	To End of Pavement	0.22	0.00	0.22	3	1	0	AS
0407B	39765	HEADQUARTERS HOUSING AREA ROAD B	From Route 0407A	To End of Pavement	0.06	0.00	0.06	3	1	0	AS
0408	39767	HEADQUARTERS ADMINISTRATION ACCESS ROAD	From Route 0010E at MP 3.6	To Route 0203	0.20	0.00	0.20	3	2	0	AS
0409	39769	DOG KENNEL ACCESS ROAD	From Route 0203	To Kennel	0.00	0.03	0.03	3	1	0	GR
0410	39770	ROCK CREEK RESERVOIR ROAD	From Route 0010E at MP 3.4	To Route 0970	0.03	0.11	0.14	6	2	1,626	AS
0412	39773	SEVEN MILE PIT ROAD	From Route 0010E at MP 7.1	To Route 0940	0.00	0.12	0.12	6	2	0	GR
0413	39774	TEKLANIKA PIT/SERVICE ROAD	From Route 0206	To End	0.00	0.53	0.53	6	1	0	GR
0415	39775	EAST FORK CABIN ROAD	From Route 0010E at MP 28.3	To Cabin at End	0.00	0.25	0.25	3	1	0	GR
0416	39776	TOKLAT MAINTENANCE CAMP ROAD	From Route 0010E at MP 38.86	To Route 0912	0.00	0.51	0.51	2	2	0	GR
0417	39778	WONDER LAKE WATER TANK ROAD	From Route 0103	To Water Tank	0.00	0.79	0.79	5	2	0	GR
0418	39779	"C" CAMP RESIDENCE ROAD	From Route 0405	To Route 0937A	0.00	0.19	0.19	5	1	0	GR
0419	39780	TOKLAT CAMP RESIDENCE ROAD	From Route 0416	To End of Loops	0.00	0.35	0.35	5	1	0	GR
0420	39782	TEKLANIKA CREEK SERVICE ROAD	From Route 0206	To End	0.00	0.10	0.10	5	2	0	GR
0421	39785	EMPLOYEE HOUSING ROAD	From Route 0918	To End	0.00	0.12	0.12	5	2	0	GR
0422	39787	PUMP HOUSE SERVICE ROAD	From Route 0421	To End	0.00	0.18	0.18	5	2	0	GR
0423		MERCANTILE SERVICE ROAD	From Route 0222	To Route 0222	0.13	0.00	0.13	5	2	0	AS
0701	20053	PARK ROAD SAVAGE TO SABLE (RIA)	From	To	0.00	24.30	24.30	ZZ	2	0	GR
0702	20054	PARK ROAD UNPAVED (NPS)	From	To	0.00	73.10	73.10	ZZ		0	GR
0703	20055	PARK ROAD SABLE TO EIELSON (RIB)	From	To	0.00	26.90	26.90	ZZ		0	GR
0704	20056	PARK ROAD EIELSON TO BOUNDARY (RIC)	From	To	0.00	21.90	21.90	ZZ	2	0	GR
0705	20057	PARK ROAD BOUNDARY TO KANTISHNA	From	To	0.00	4.69	4.69	ZZ	2	0	GR
0900	39788	VISITOR CENTER LOWER PARKING	End of Route 0201		0.00	0.00	0.00	9	0	123,805	AS

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(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
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## DENA

Denali National Park and Preserve

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							
0901A		VISITOR CENTER UPPER PARKING A	Adjacent to Route 0201 at MP 0.26		0.00	0.00	0.00	9	0	60,565	AS
0901B		VISITOR CENTER UPPER PARKING B	Adjacent to Route 0201 at MP 0.12		0.00	0.00	0.00	9	0	6,364	AS
0901C		VISITOR CENTER UPPER PARKING C	Adjacent to Route 0201 at MP 0.06		0.00	0.00	0.00	9	0	19,683	AS
0903	39797	ENTRANCE FEATURE PARKING	Adjacent to Route 0010E at MP .04		0.00	0.00	0.00	9	0	11,693	AS
0904	39799	DEPOT PARKING	From Route 0223	To Parking	0.00	0.00	0.00	9	0	81,754	AS
0904A		DEPOT UNPAVED PARKING A	From Route 0904	To Parking	0.00	0.00	0.00	9	0	14,371	GR
0904B		DEPOT UNPAVED PARKING B	From Route 0904	To Parking	0.00	0.00	0.00	9	0	13,948	GR
0905A		HEADQUARTERS PARKING A	Adjacent to Route 0203 and Route 0408		0.00	0.00	0.00	9	0	13,750	AS
0905B		HEADQUARTERS PARKING B	Adjacent to Route 0203 and Route 0408		0.00	0.00	0.00	9	0	5,074	AS
0905C		HEADQUARTERS PARKING C	Adjacent to Route 0203		0.00	0.00	0.00	9	0	6,384	AS
0906	39801	SAVAGE RIVER EAST PARKING	Adjacent to Route 0010E at MP 14.7 at Savage River		0.00	0.00	0.00	9	0	19,248	AS
0907	39802	SAVAGE RIVER WEST PARKING	Adjacent to Route 0010E at MP 14.8 at Savage River		0.00	0.00	0.00	9	0	22,783	GR
0908A		OLD PRIMROSE PARKING A	Adjacent to Route 0010E at MP 17.2		0.00	0.00	0.00	9	0	16,885	GR
0908B		OLD PRIMROSE PARKING B	Adjacent to Route 0010E at MP 17.25		0.00	0.00	0.00	9	0	4,845	GR
0909	39804	NEW PRIMROSE PARKING	Adjacent to Route 0010E at MP 19.7		0.00	0.00	0.00	9	0	12,764	GR
0910	39805	HEADQUARTERS SHUTTLE STOP PARKING	Adjacent to Route 0203 and Route 0010E at MP 3.4		0.00	0.00	0.00	9	0	7,501	AS
0911	39806	TEKLANIKA SHUTTLE/SHELTER PARKING	Adjacent to Route 0010E at MP 30.3		0.00	0.00	0.00	9	0	38,717	GR
0912A		TOKLAT PARKING AREAS A	Adjacent to Route 0416		0.00	0.00	0.00	9	0	32,394	GR
0912B		TOKLAT PARKING AREAS B	Adjacent to Route 0416		0.00	0.00	0.00	9	0	31,684	GR
0913	38021	STONE OVERLOOK PARKING	Adjacent to Route 0010W at MP 62.0		0.00	0.00	0.00	9	0	13,136	GR
0914	39808	EIELSON VISITOR CENTER PARKING	Adjacent to Route 0010W at MP 65.9		0.00	0.00	0.00	9	0	25,663	GR
0916A		RILEY CREEK CAMPGROUND PARKING	At End of Route 0100		0.00	0.00	0.00	9	0	5,069	AS
0916B		RILEY CREEK CAMPGROUND PARKING	Adjacent to Route 0916A		0.00	0.00	0.00	9	0	55,683	GR
0919	39812	SHUTTLE FUEL STATION PARKING	Adjacent to Route 0404 and Route 0920		0.00	0.00	0.00	9	0	26,766	GR
0920	39813	SHUTTLE MAINTENANCE LOT PARKING	Adjacent to Route 0404 and Route 0919		0.00	0.00	0.00	9	0	33,198	GR

# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes approx. mileage

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

## DENA

Denali National Park and Preserve

Rte. #	FMSS Asset #	Route Name	Route Description From To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0921	39814	SHUTTLE EMPLOYEE PARKING	Adjacent to Route 0404	0.00	0.00	0.00	9	0	33,912	AS
0922	39815	SHUTTLE STORAGE PARKING	Adjacent to Route 0404	0.00	0.00	0.00	9	0	71,640	GR
0924	39817	POWER STATION PARKING	Adjacent to Route 0404	0.00	0.00	0.00	9	0	2,061	GR
0925	39818	SEWAGE LAGOON PARKING	At End of Route 0401	0.00	0.00	0.00	9	0	16,268	GR
0926A		RILEY CREEK CAMPGROUND RESTROOMS A	Adjacent to Route 0200A	0.00	0.00	0.00	9	0	1,764	AS
0926B		RILEY CREEK CAMPGROUND RESTROOMS B	Adjacent to Route 0200A	0.00	0.00	0.00	9	0	1,848	AS
0927	39820	RILEY CREEK CAMPGROUND ACCESS PARKING	Adjacent to Route 0100	0.00	0.00	0.00	9	0	9,068	AS
0928	39821	RILEY CREEK POST OFFICE PARKING	At End of Route 0100 on Left	0.00	0.00	0.00	9	0	20,985	AS
0929A		RILEY CREEK SHUTTLE STOP	Adjacent to Route 0100	0.00	0.00	0.00	9	0	616	AS
0929B		RILEY CREEK SHUTTLE STOP	Adjacent to Route 0100 on Right and Left	0.00	0.00	0.00	9	0	5,440	AS
0930	39823	SAVAGE RIVER SHUTTLE STOP PARKING	Adjacent to Route 0010E MP 12.75	0.00	0.00	0.00	9	0	1,564	AS
0931	39824	SAVAGE CABIN TRAILHEAD PARKING	Adjacent to Route 0010E MP 13	0.00	0.00	0.00	9	0	13,012	GR
0932	39825	SAVAGE RIVER VIEWPOINT PARKING	Adjacent to Route 0010E at MP 11.75	0.00	0.00	0.00	9	0	4,101	AS
0933	39826	"C" CAMP MAINTENANCE PARKING	Adjacent to End of Route 0405	0.00	0.00	0.00	9	0	38,180	AS
0935A		"C" CAMP FUEL LOT PARKING A	Adjacent to Route 0405	0.00	0.00	0.00	9	0	2,667	GR
0935B		"C" CAMP FUEL LOT PARKING B	Adjacent to Route 0405	0.00	0.00	0.00	9	0	30,021	GR
0936	39829	"C" CAMP MAINTENANCE PARKING	At End of Route 0405	0.00	0.00	0.00	9	0	67,907	GR
0937A		"C" CAMP RESIDENCE PARKING A	Adjacent to Routes 0405 and 0418	0.00	0.00	0.00	9	0	11,583	GR
0937B		"C" CAMP RESIDENCE PARKING B	Adjacent to Routes 0405 and 0418	0.00	0.00	0.00	9	0	6,958	GR
0937C		"C" CAMP RESIDENCE PARKING C	Adjacent to Route 0405	0.00	0.00	0.00	9	0	2,702	GR
0938	39831	TOKLAT MAINTENANCE CAMP PARKING	Adjacent to Route 0416	0.00	0.00	0.00	9	0	148,429	GR
0939	39832	FIVE MILE PIT	Adjacent to Route 0010E at MP 5.6	0.00	0.00	0.00	9	0	77,560	GR
0940	39833	SEVEN MILE PIT	At End of Route 0412	0.00	0.00	0.00	9	0	40,451	GR
0941	39834	IGLOO PIT	Adjacent to Route 0010E at MP 34.04	0.00	0.00	0.00	9	0	22,784	GR
0942	39835	LOOP PKG	Adjacent to Route 0010E at MP 25.85	0.00	0.00	0.00	9	0	12,976	GR
0943A		TEKLANIKA SHUTTLE STOPS A	Adjacent to Route 0010E at MP 29.12	0.00	0.00	0.00	9	0	1,487	GR

# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes  
approx. mileage

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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 =

## DENA

### Denali National Park and Preserve

Rte. #	FMSS Asset #	Route Name	Route Description From To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0943B		TEKLANIKA SHUTTLE STOPS B	Adjacent to Route 0010E	0.00	0.00	0.00	9	0	1,793	GR
0944	39837	TEKLANIKA CAMP HOST PARKING	Adjacent to Route 0206	0.00	0.00	0.00	9	0	2,654	GR
0945	39838	TOKLAT BRIDGE LOOP PARKING	Adjacent to Route 0010W at MP 52.5	0.00	0.00	0.00	9	0	15,500	GR
0946	39839	60.2 MP PARKING	Adjacent to Route 0010W at MP 74.64	0.00	0.00	0.00	9	0	4,800	GR
0947	39840	63.1 MP PARKING	Adjacent to Route 0010W at MP 77.52	0.00	0.00	0.00	9	0	2,934	GR
0948	39843	64.8 MP PARKING	Adjacent to Route 0010W at MP 79.2	0.00	0.00	0.00	9	0	5,594	GR
0949	39844	WONDER LAKE RANGER STATION PARKING 1	Adjacent to Route 0010W at MP 84.6	0.00	0.00	0.00	9	0	6,737	GR
0950	39845	WONDER LAKE RANGER STATION PARKING 2	Adjacent to Route 0010W at MP 86.5	0.00	0.00	0.00	9	0	8,660	GR
0951	39848	REFLECTION POND PARKING	Adjacent to Route 0010W at MP 85.28	0.00	0.00	0.00	9	0	806	GR
0952	39849	72 MP PARKING	Adjacent to Route 0010W at MP 87.5	0.00	0.00	0.00	9	0	4,404	GR
0953	39850	MCKINLEY BAR TRAIL PARKING	Adjacent to Route 0103	0.00	0.00	0.00	9	0	1,865	GR
0954	39851	WONDER LAKE SHUTTLE PARKING	Adjacent to Route 0300	0.00	0.00	0.00	9	0	3,308	GR
0955	39853	TEKLANIKA RIVER UTILITY PARKING	Adjacent to Route 0010E at MP 31.3	0.00	0.00	0.00	9	0	1,773	GR
0956	39854	KENNEL SHUTTLE PARKING	Adjacent to Route 0408	0.00	0.00	0.00	9	0	2,640	GR
0957	39856	HEALY TRAILHEAD PARKING	Adjacent to Route 0010E at MP 1.2	0.00	0.00	0.00	9	0	5,927	AS
0958	39857	PUMP HOUSE PARKING	At End of Route 0404	0.00	0.00	0.00	9	0	5,053	GR
0959	39859	WATER TANK ROAD	Adjacent to Route 0404	0.00	0.00	0.00	9	0	0	GR
0970	39861	RECEIVING STATION PARKING	At End of unpaved section of Route 0410	0.00	0.00	0.00	9	0	3,683	GR
0971		MERCANTILE DUMP STATION	Adjacent to Route 0222 on Left and Right	0.00	0.00	0.00	9	0	10,968	AS
0972		MERCANTILE STORE PARKING	Adjacent to Route 0222	0.00	0.00	0.00	9	0	22,245	AS
<b>Totals:</b>				19.41	236.32	255.73			1,661,792	

# NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

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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.

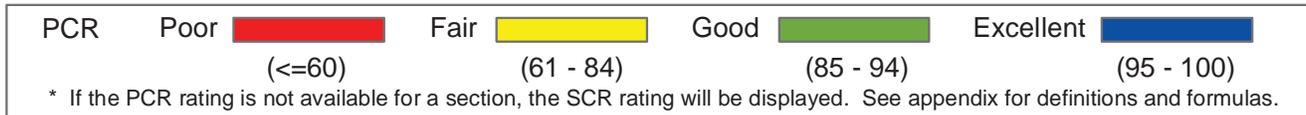
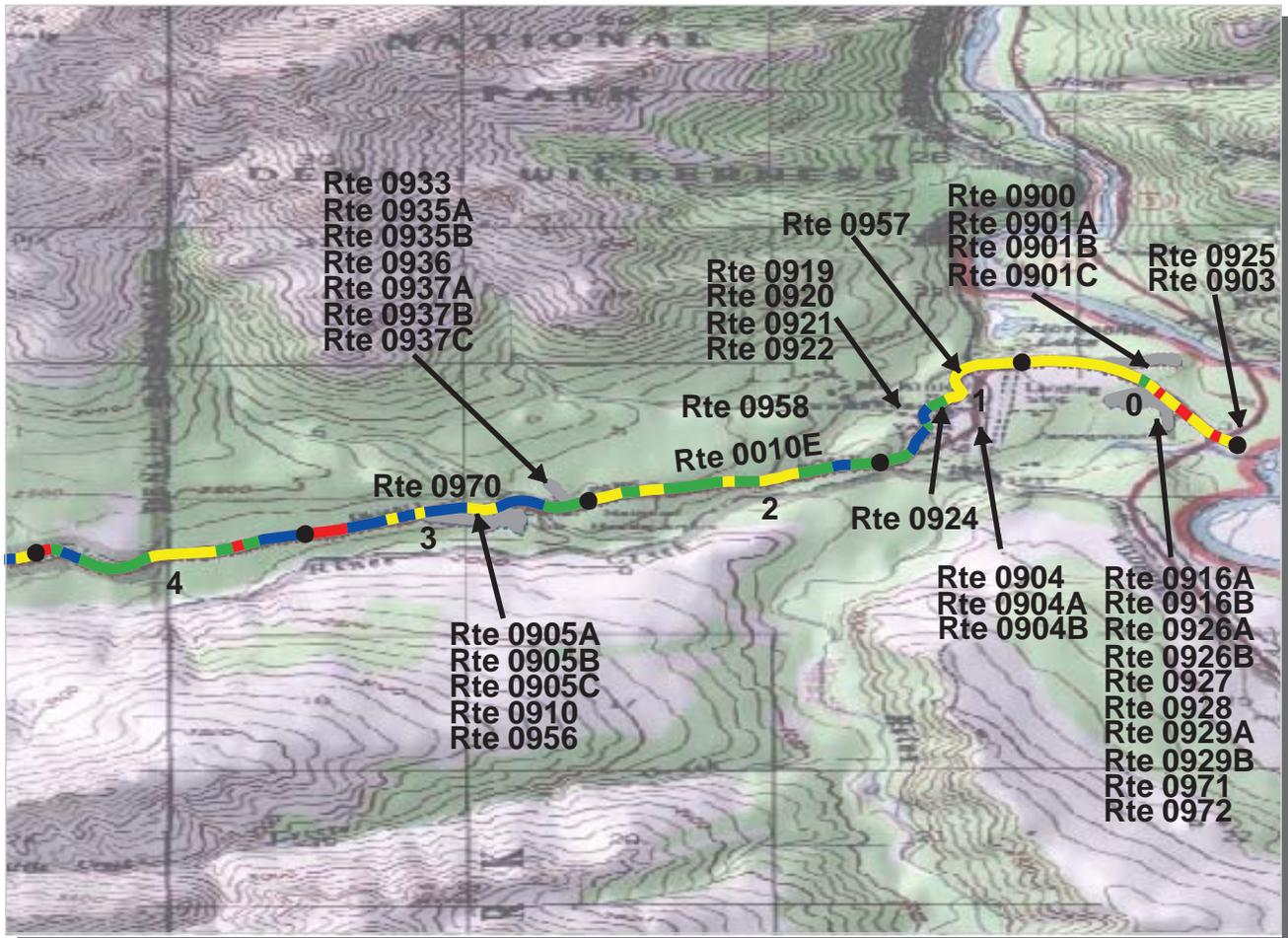
**Surface Type Abbreviations:**

- 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.



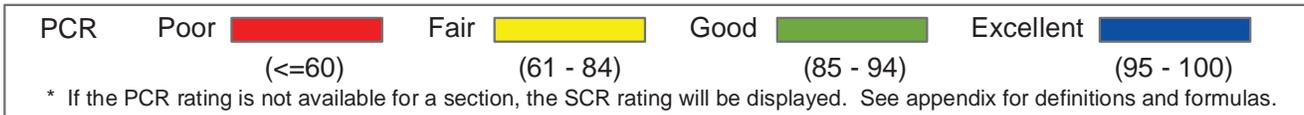
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010E Denali Park Road - East** **TOTAL LENGTH: 40.04 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	23	23	22	20	20
Lane Width (ft)	11	11	11	11	10
Shoulder Width (ft)	5	4	5	2	5
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	69	86	84	86	84
RCI (Roughness Condition Index)	82	90	96	89	90
SCR (Surface Condition Rating)	61	84	76	84	81
Alligator Cracking Index	99	99	99	100	99
Rutting Index	87	93	91	90	84
Patching Index	97	100	100	99	99
Transverse Cracking Index	86	94	89	97	98
Longitudinal Cracking Index	90	96	94	97	98
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0010E Denali Park Road - East**

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



**Alaska Region**

**DENA : Denali National Park and Preserve**

**ROUTE: 0010E Denali Park Road - East**

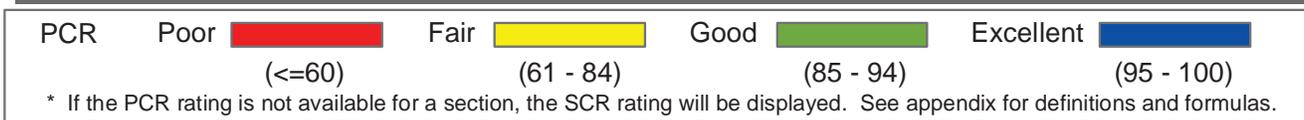
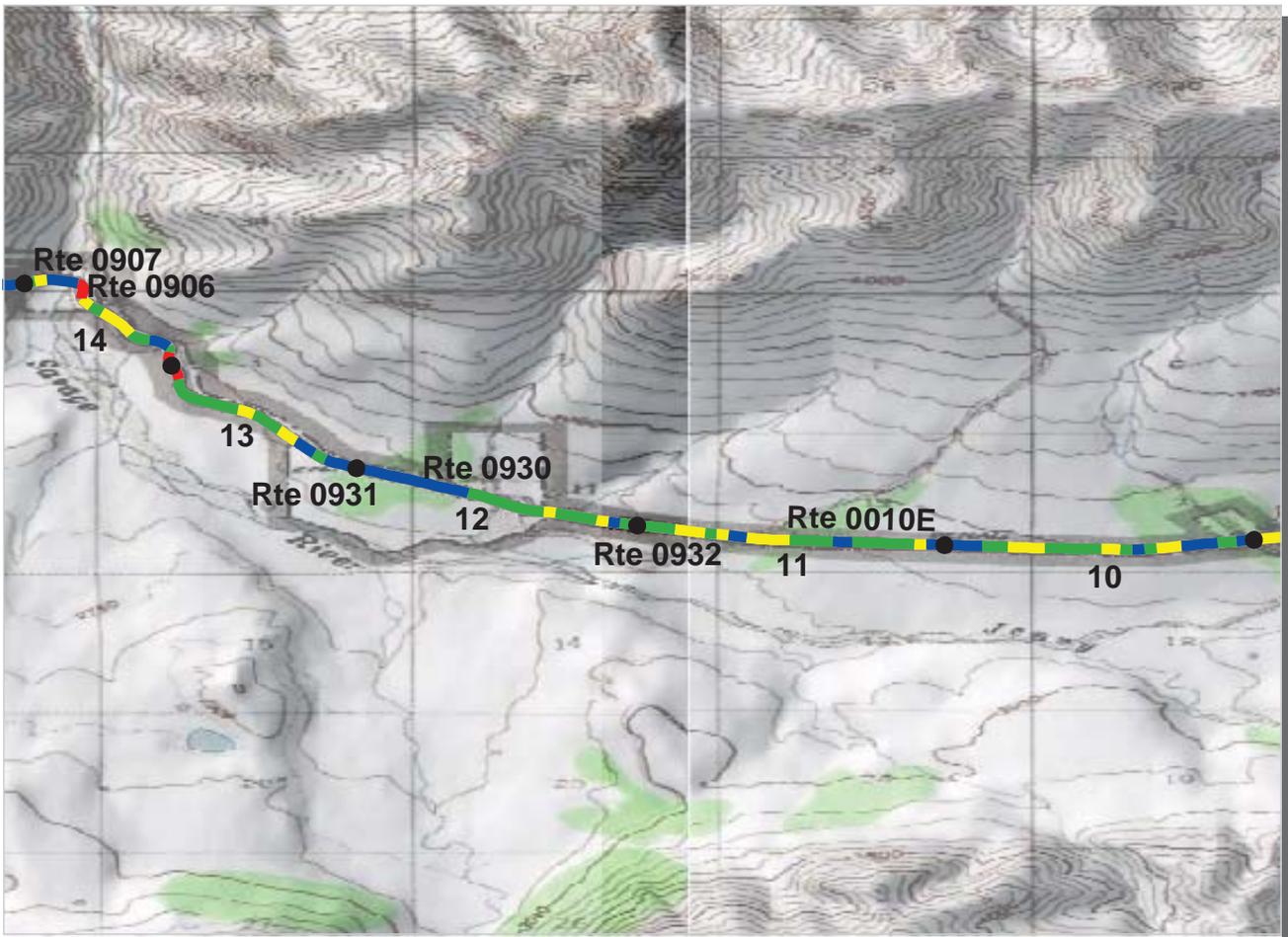
**TOTAL LENGTH: 40.04 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	21	20	21
Lane Width (ft)	10	10	10	10	10
Shoulder Width (ft)	2	4	4	7	6
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	87	88	82	82	85
RCI (Roughness Condition Index)	94	99	99	99	99
SCR (Surface Condition Rating)	83	81	72	70	76
Alligator Cracking Index	98	99	96	99	100
Rutting Index	87	88	83	73	77
Patching Index	99	100	100	100	100
Transverse Cracking Index	98	96	95	97	98
Longitudinal Cracking Index	98	96	94	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**ROUTE: 0010E Denali Park Road - East**

\* NC designates data not collected NA designates not applicable

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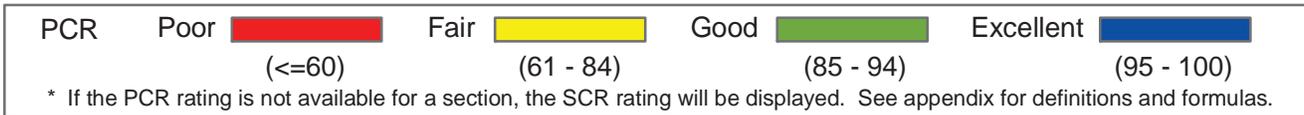
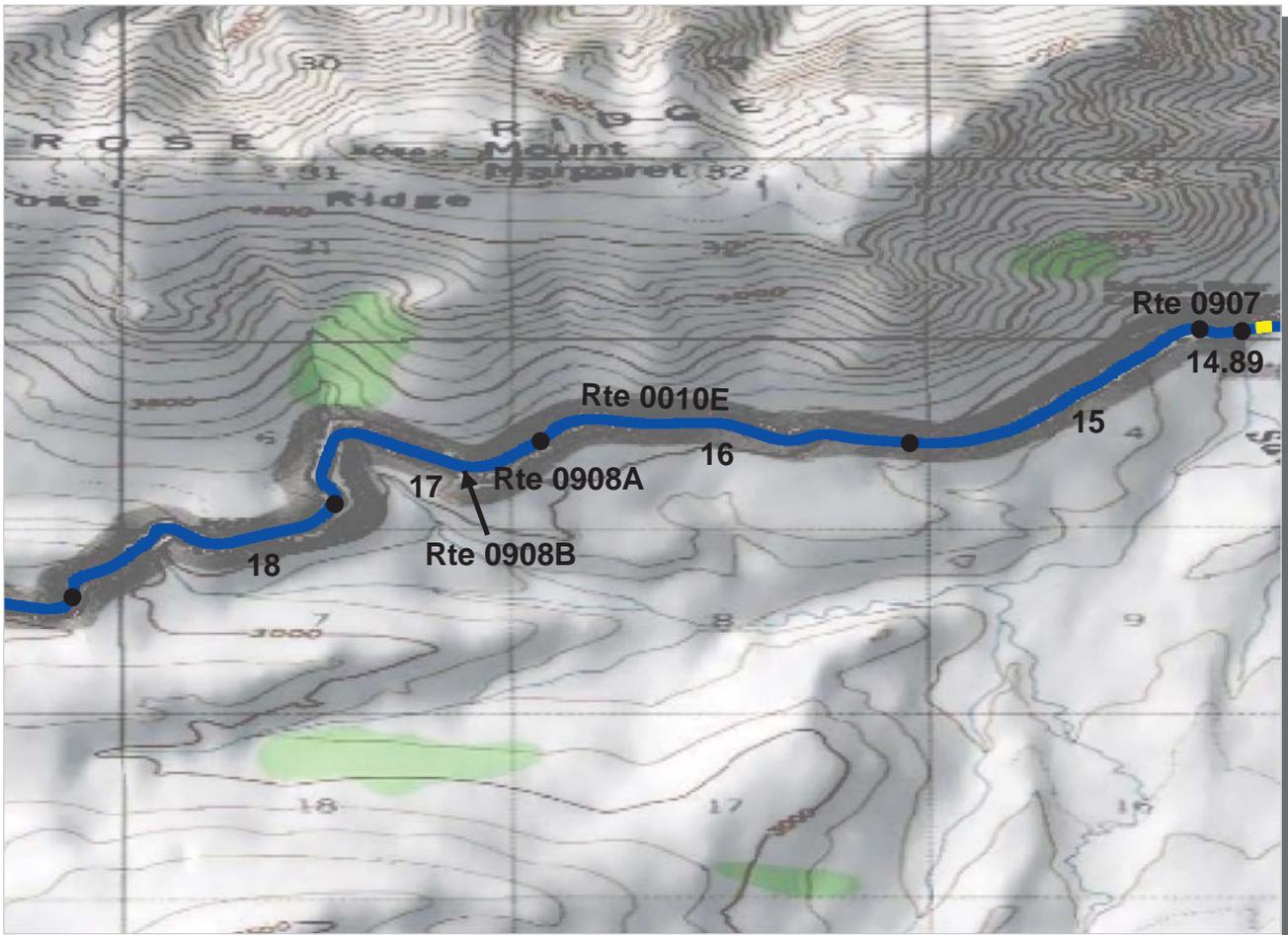
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010E Denali Park Road - East** **TOTAL LENGTH: 40.04 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	0.89
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	20	20	21
Lane Width (ft)	11	11	10	10	10
Shoulder Width (ft)	4	4	5	5	5
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	89	86	92	83	75
RCI (Roughness Condition Index)	100	99	99	93	86
SCR (Surface Condition Rating)	82	77	88	76	68
Alligator Cracking Index	100	100	100	99	96
Rutting Index	84	79	90	84	85
Patching Index	100	100	100	97	99
Transverse Cracking Index	98	98	98	96	90
Longitudinal Cracking Index	99	99	98	98	96
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0010E Denali Park Road - East

\* NC designates data not collected NA designates not applicable  
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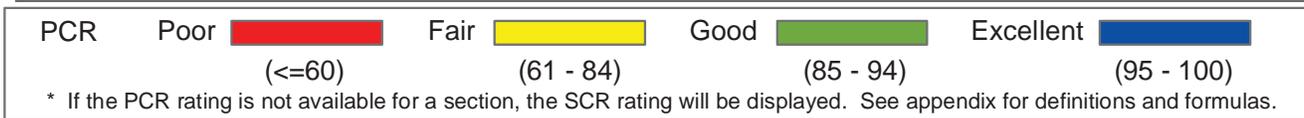
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010E Denali Park Road - East** **TOTAL LENGTH: 40.04 Miles**

Section Number	14.89	15	16	17	18
Section Length (mi)	0.11	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	GOOD	GOOD	N/C	N/C	N/C

**ROUTE: 0010E Denali Park Road - East**

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**Alaska Region**

**DENA : Denali National Park and Preserve**

**ROUTE: 0010E Denali Park Road - East**

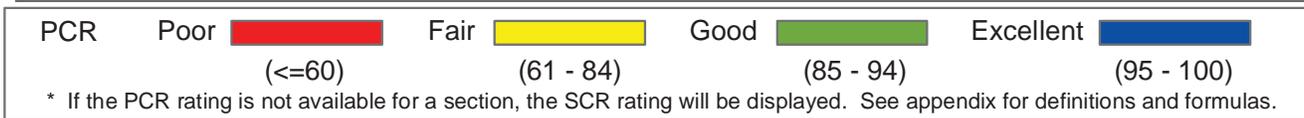
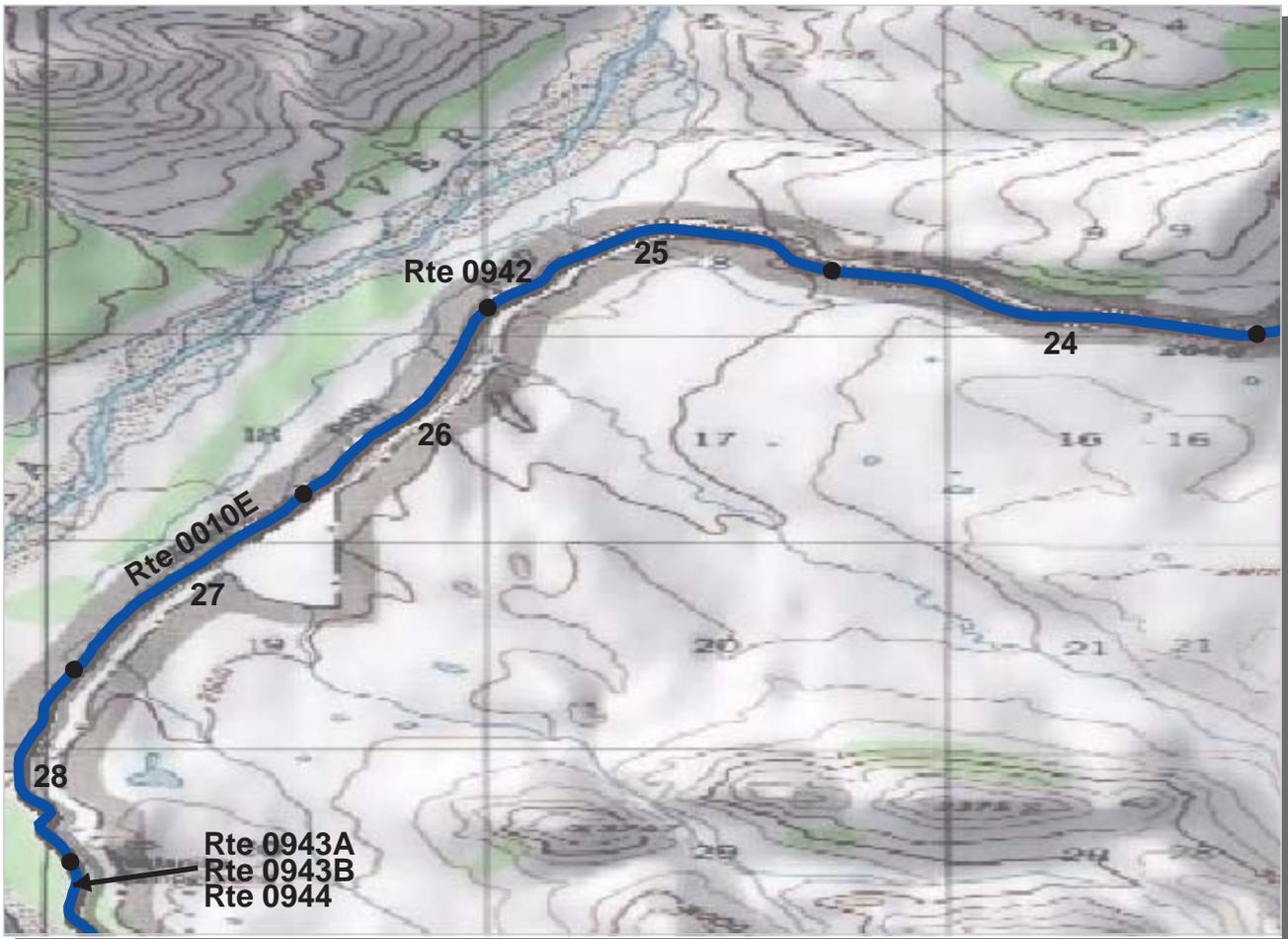
**TOTAL LENGTH: 40.04 Miles**

Section Number	19	20	21	22	23
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

**ROUTE: 0010E Denali Park Road - East**

\* NC designates data not collected NA designates not applicable

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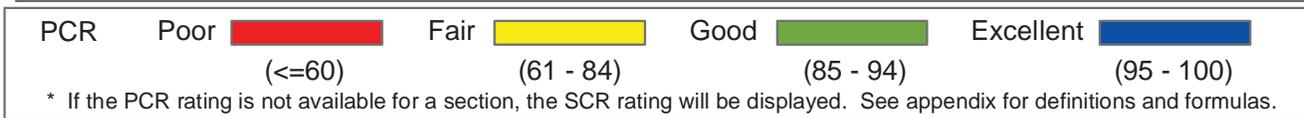
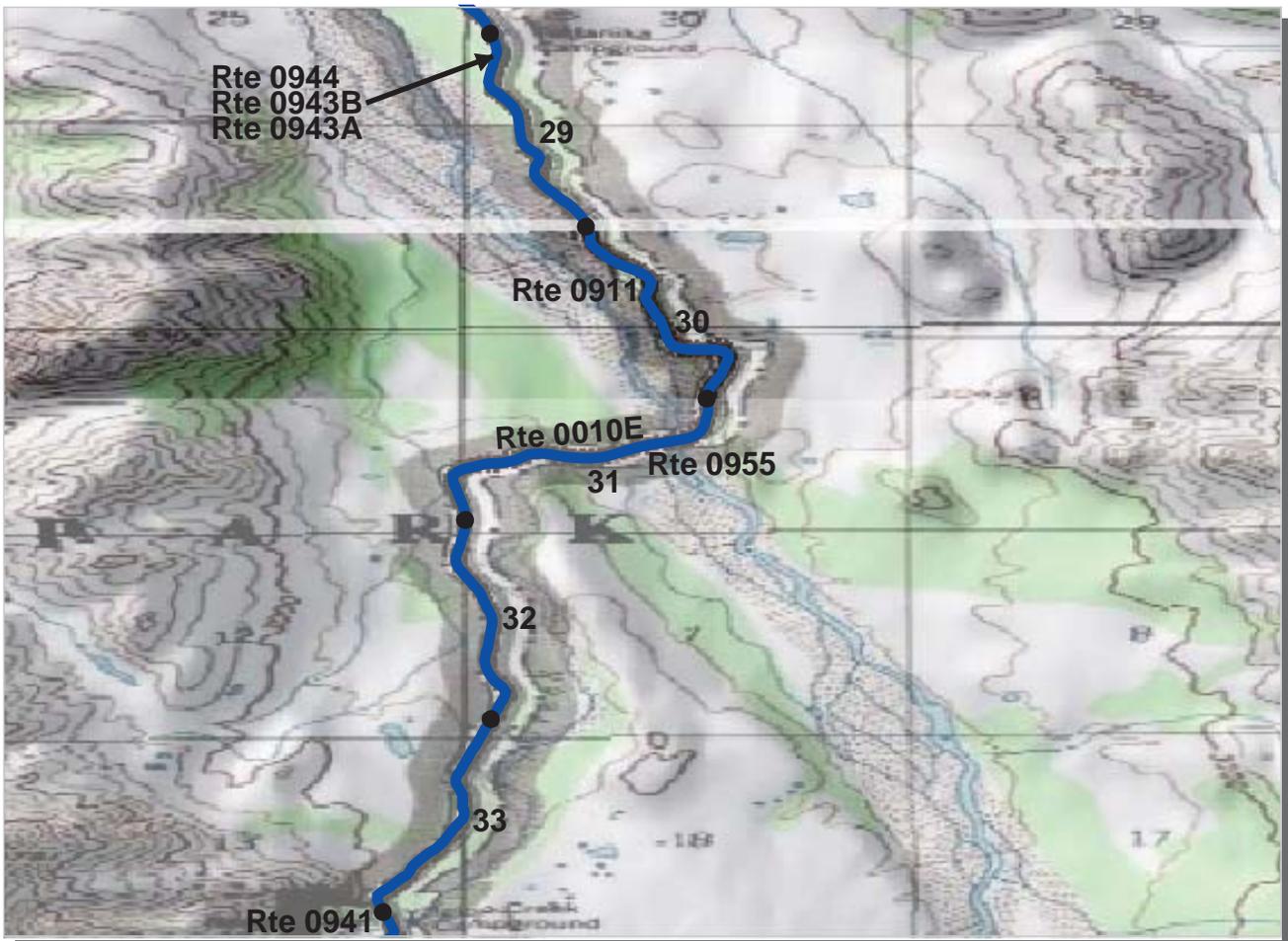
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010E Denali Park Road - East** **TOTAL LENGTH: 40.04 Miles**

Section Number	24	25	26	27	28
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

**ROUTE: 0010E Denali Park Road - East**

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



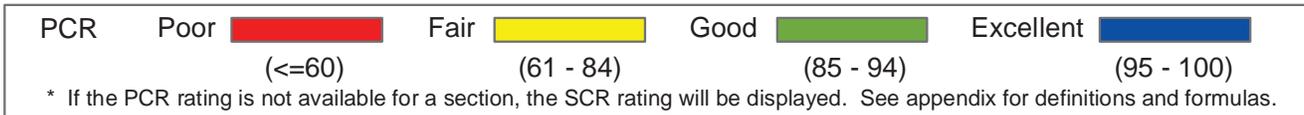
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010E Denali Park Road - East** **TOTAL LENGTH: 40.04 Miles**

Section Number	29	30	31	32	33
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

**ROUTE: 0010E Denali Park Road - East**

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



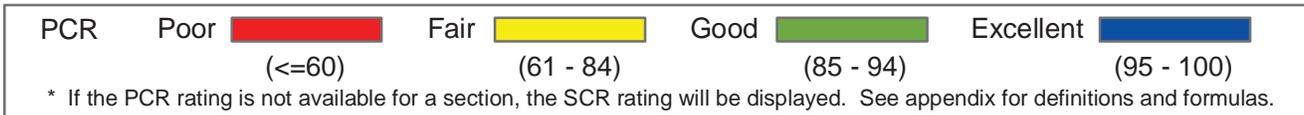
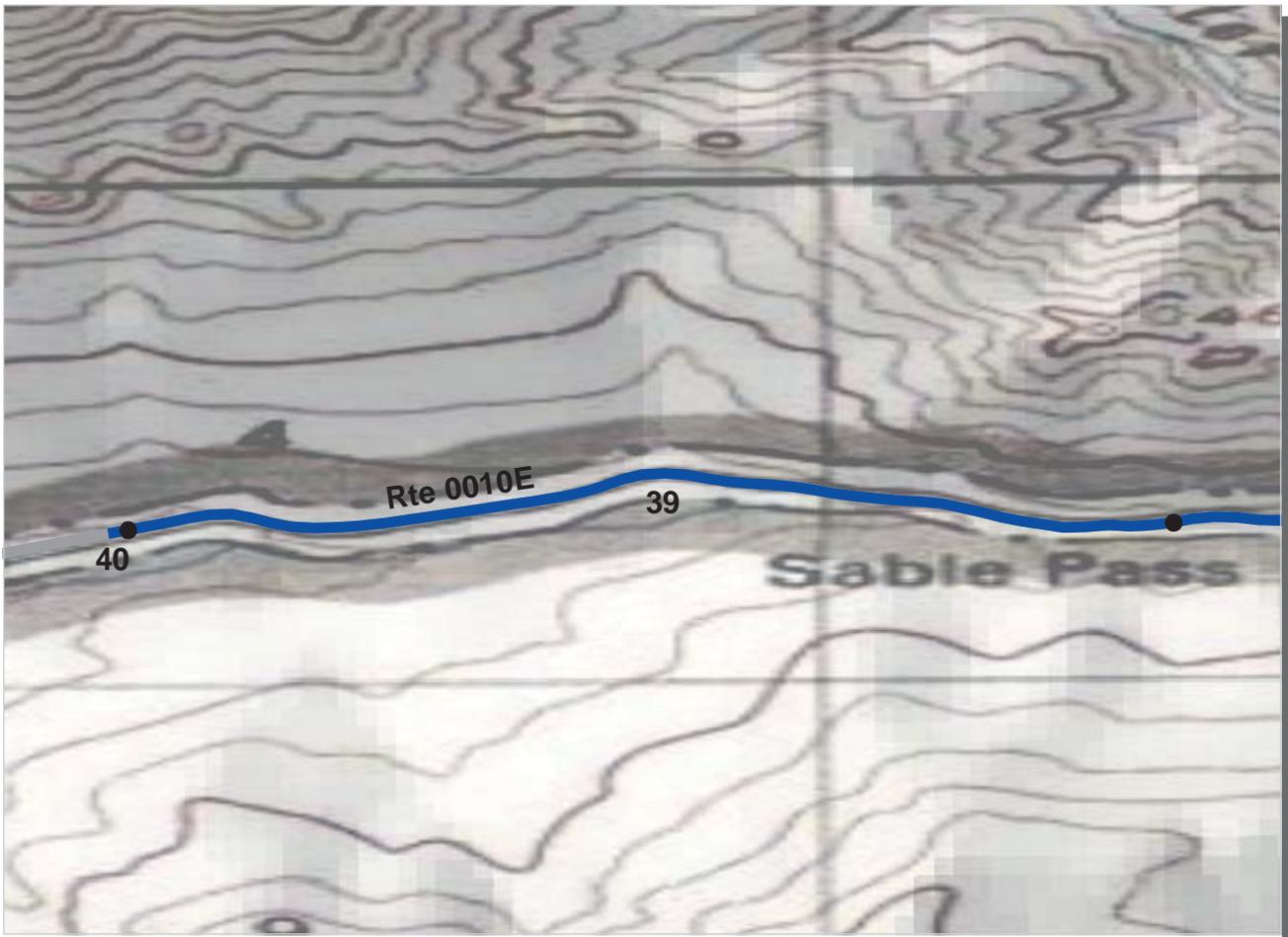
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010E Denali Park Road - East** **TOTAL LENGTH: 40.04 Miles**

Section Number	34	35	36	37	38
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

**ROUTE: 0010E Denali Park Road - East**

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



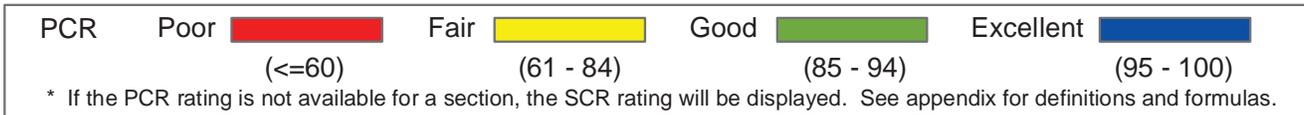
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010E Denali Park Road - East** **TOTAL LENGTH: 40.04 Miles**

Section Number	39	40			
Section Length (mi)	1.00	0.04			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	0	0			
Lane Width (ft)	0	0			
Shoulder Width (ft)	0	0			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100			
RCI (Roughness Condition Index)	NC	-1			
SCR (Surface Condition Rating)	100	100			
Alligator Cracking Index	100	100			
Rutting Index	100	100			
Patching Index	100	100			
Transverse Cracking Index	100	100			
Longitudinal Cracking Index	100	100			
Shoulder Condition Rating	N/A	N/A			
Drainage Condition Rating	N/C	N/C			

**ROUTE: 0010E Denali Park Road - East**

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



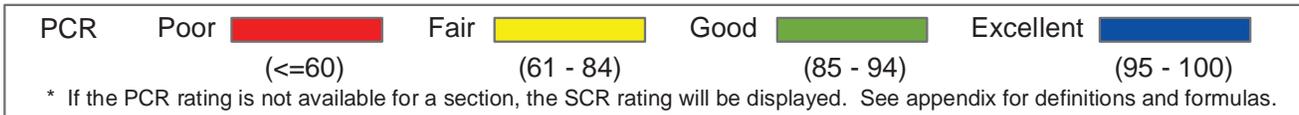
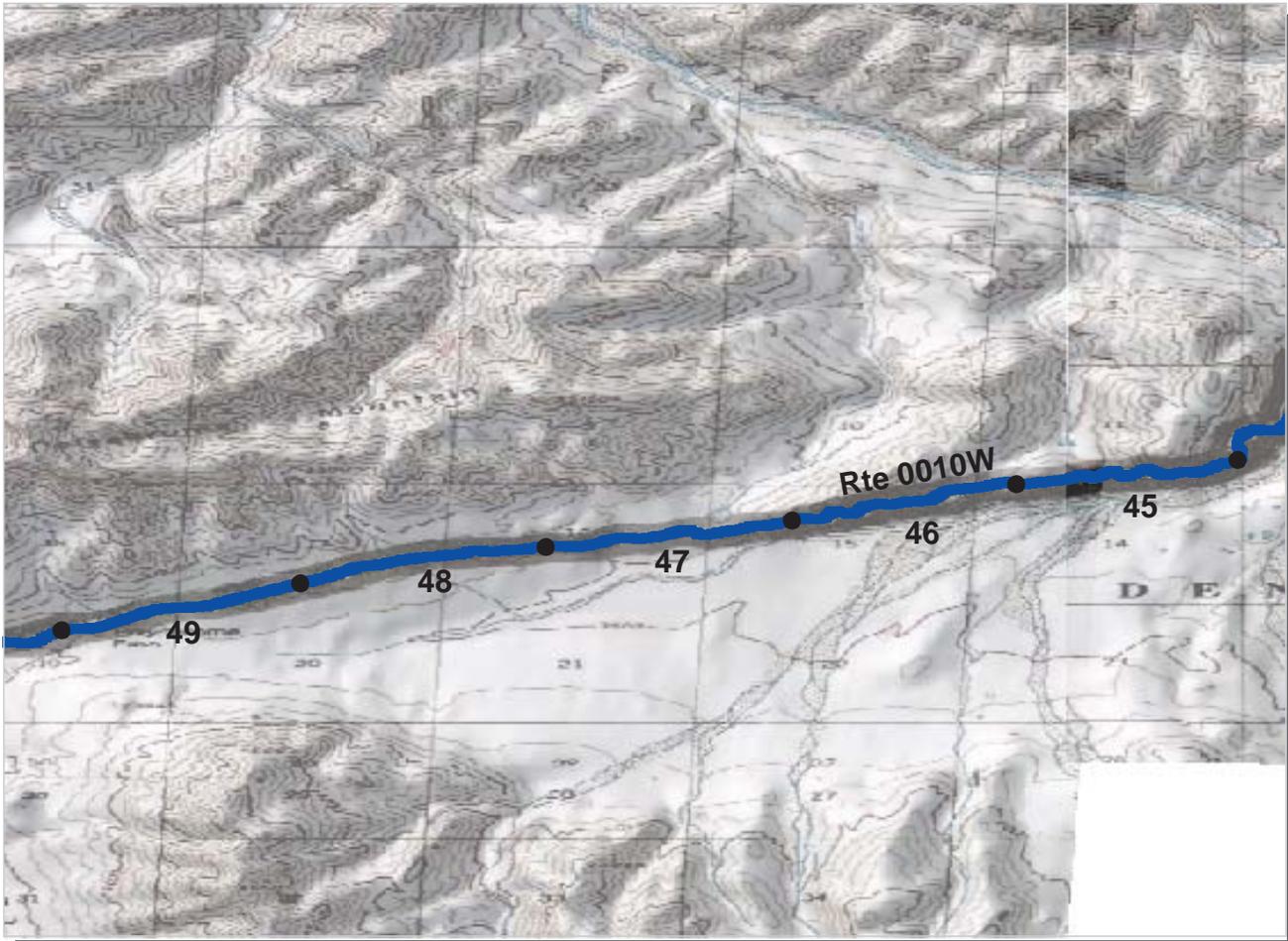
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010W Denali Park Road - West** **TOTAL LENGTH: 52.48 Miles**

Section Number	40.04	41	42	43	44
Section Length (mi)	0.96	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0010W Denali Park Road - West

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



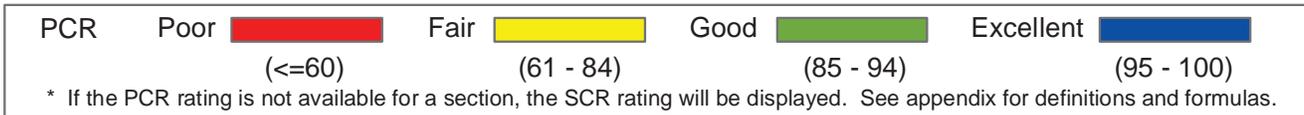
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010W Denali Park Road - West** **TOTAL LENGTH: 52.48 Miles**

Section Number	45	46	47	48	49
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

**ROUTE: 0010W Denali Park Road - West**

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



**Alaska Region**

**DENA : Denali National Park and Preserve**

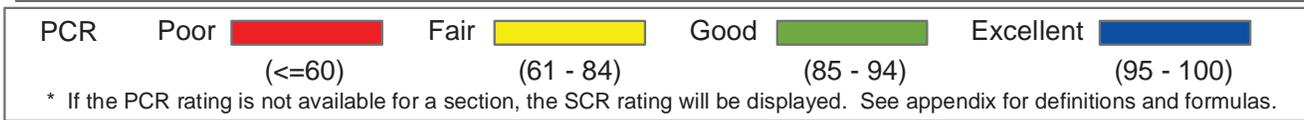
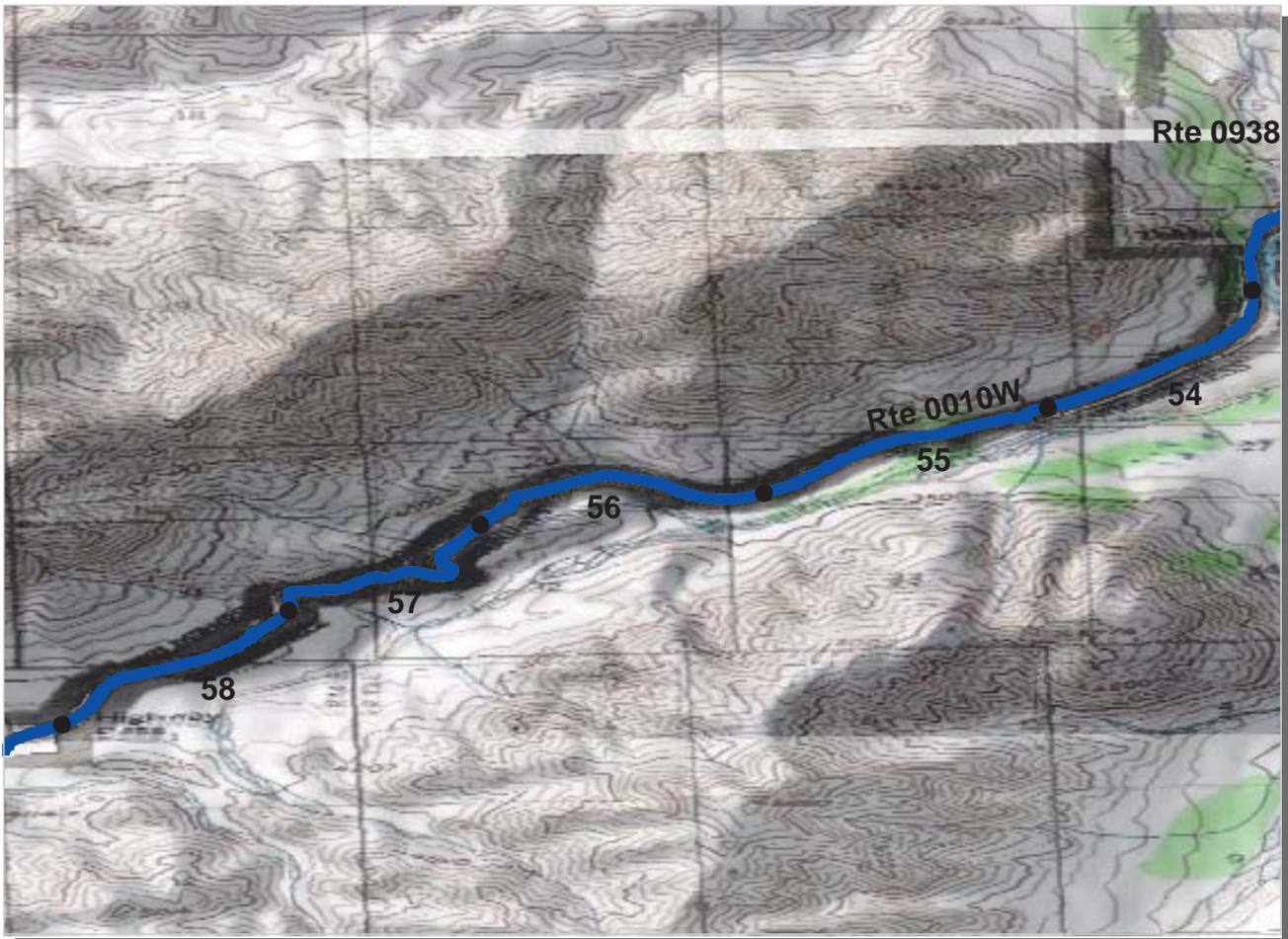
**ROUTE: 0010W Denali Park Road - West**

**TOTAL LENGTH: 52.48 Miles**

Section Number	50	51	52	53	53.38
Section Length (mi)	1.00	1.00	1.00	0.38	0.62
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

**ROUTE: 0010W Denali Park Road - West**

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



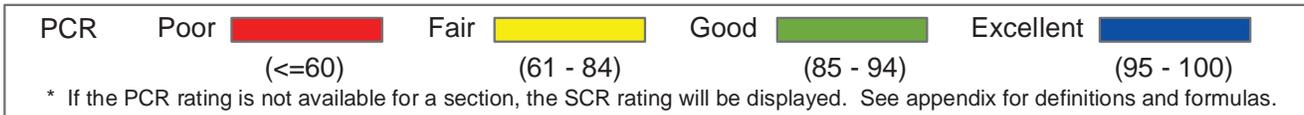
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010W Denali Park Road - West** **TOTAL LENGTH: 52.48 Miles**

Section Number	54	55	56	57	58
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0010W Denali Park Road - West

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



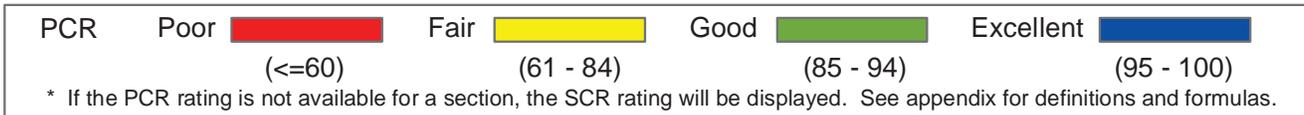
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010W Denali Park Road - West** **TOTAL LENGTH: 52.48 Miles**

Section Number	59	60	61	62	63
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0010W Denali Park Road - West

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



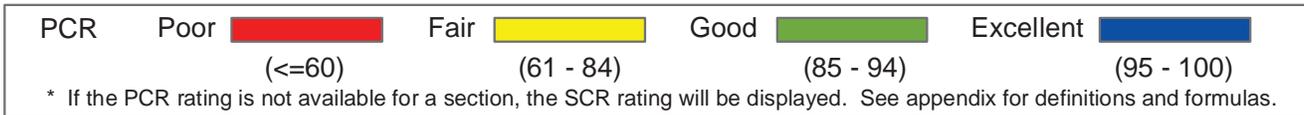
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010W Denali Park Road - West** **TOTAL LENGTH: 52.48 Miles**

Section Number	64	65	66	67	68
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0010W Denali Park Road - West

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



**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010W Denali Park Road - West** **TOTAL LENGTH: 52.48 Miles**

Section Number	69	70	71	72	73
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0010W Denali Park Road - West

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



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

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

**Alaska Region**

**DENA : Denali National Park and Preserve**

**ROUTE: 0010W Denali Park Road - West**

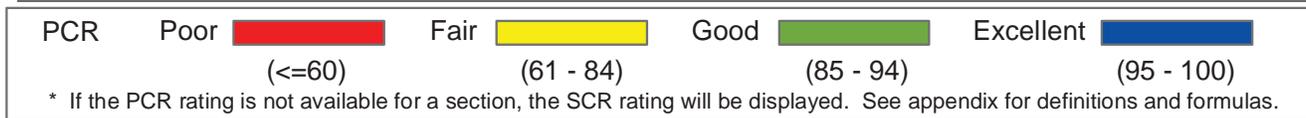
**TOTAL LENGTH: 52.48 Miles**

Section Number	74	75	76	77	78
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

**ROUTE: 0010W Denali Park Road - West**

\* NC designates data not collected NA designates not applicable

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



**Alaska Region**

**DENA : Denali National Park and Preserve**

**ROUTE: 0010W Denali Park Road - West**

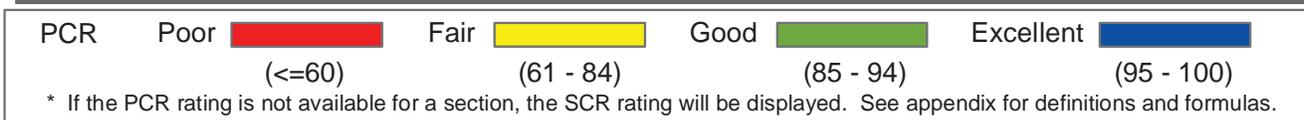
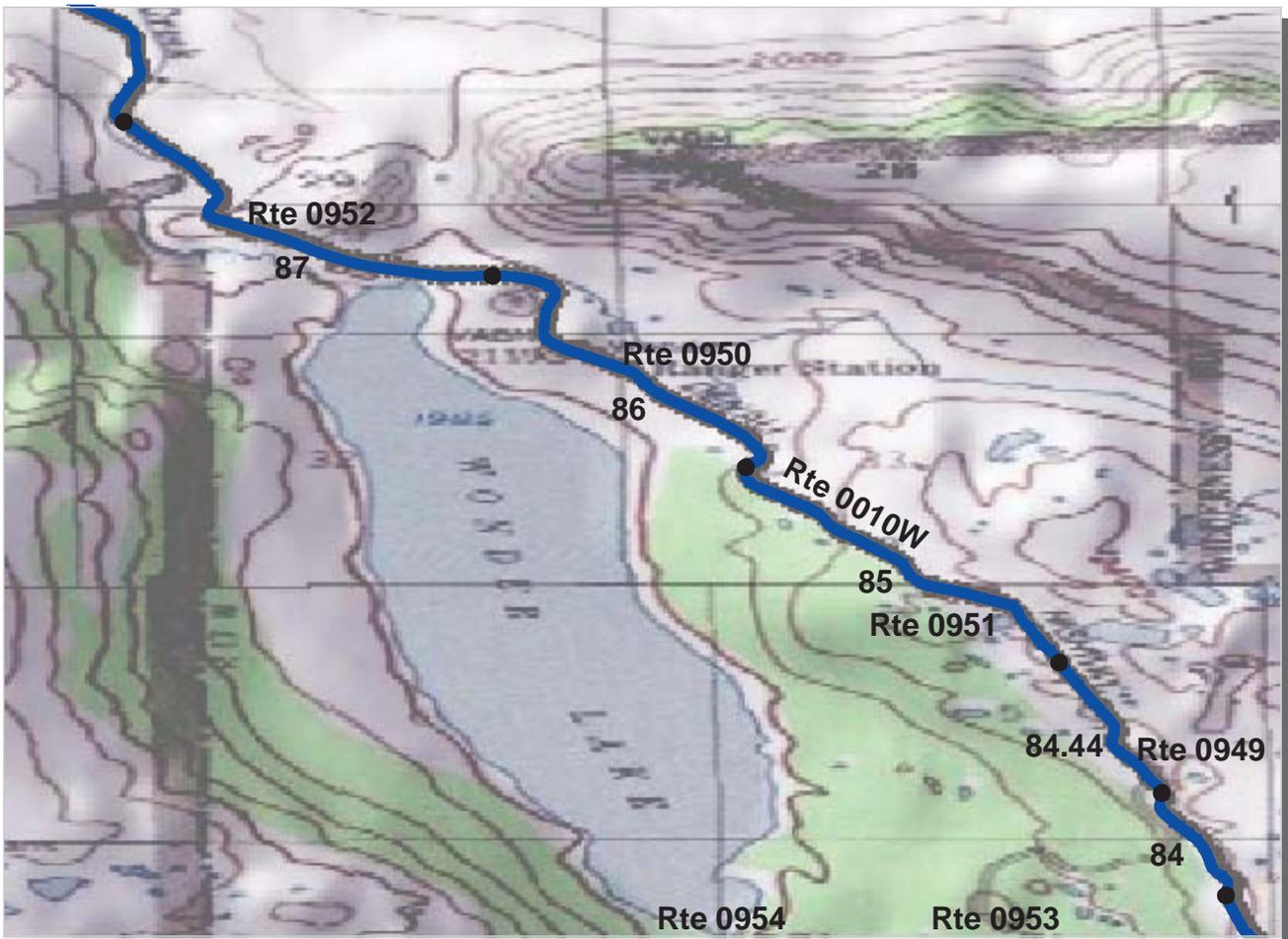
**TOTAL LENGTH: 52.48 Miles**

Section Number	79	80	81	82	83
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

**ROUTE: 0010W Denali Park Road - West**

\* NC designates data not collected NA designates not applicable

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



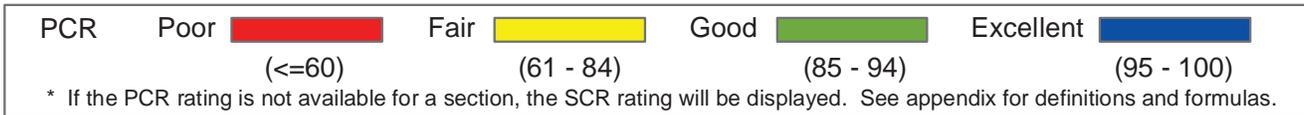
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010W Denali Park Road - West** **TOTAL LENGTH: 52.48 Miles**

	84	84.44	85	86	87
Section Number	84	84.44	85	86	87
Section Length (mi)	0.44	0.56	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0010W Denali Park Road - West

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



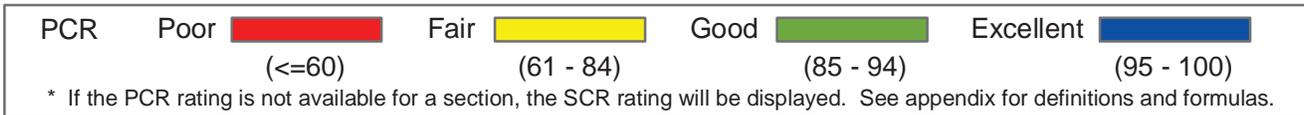
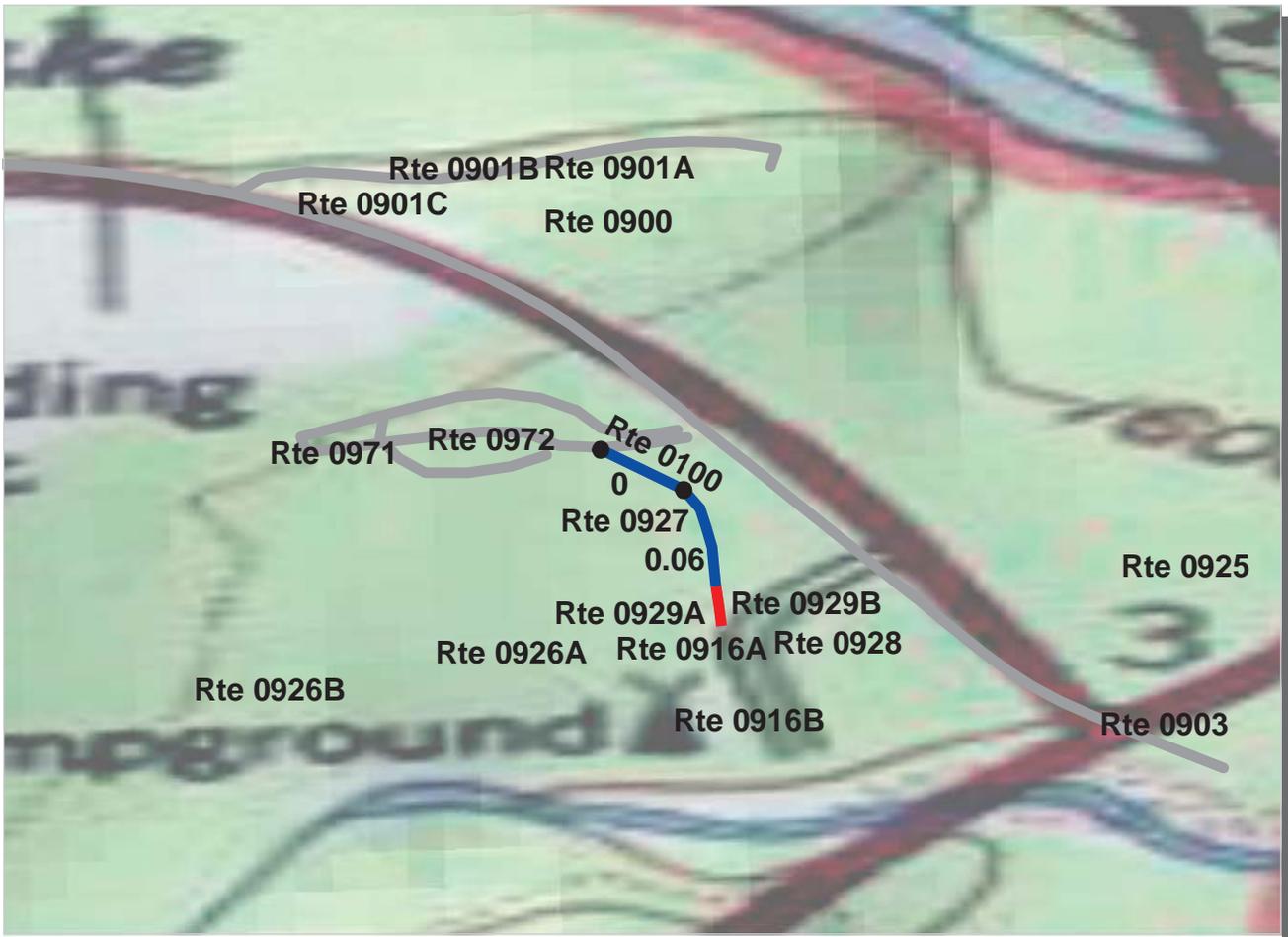
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0010W Denali Park Road - West** **TOTAL LENGTH: 52.48 Miles**

Section Number	88	89	90	91	92
Section Length (mi)	1.00	1.00	1.00	1.00	0.52
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	0	0	0	0	0
Lane Width (ft)	0	0	0	0	0
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	100	100	100	100	100
RCI (Roughness Condition Index)	NC	-1	-1	-1	-1
SCR (Surface Condition Rating)	100	100	100	100	100
Alligator Cracking Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	N/C	N/C	N/C	N/C	N/C

ROUTE: 0010W Denali Park Road - West

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



**Alaska Region**

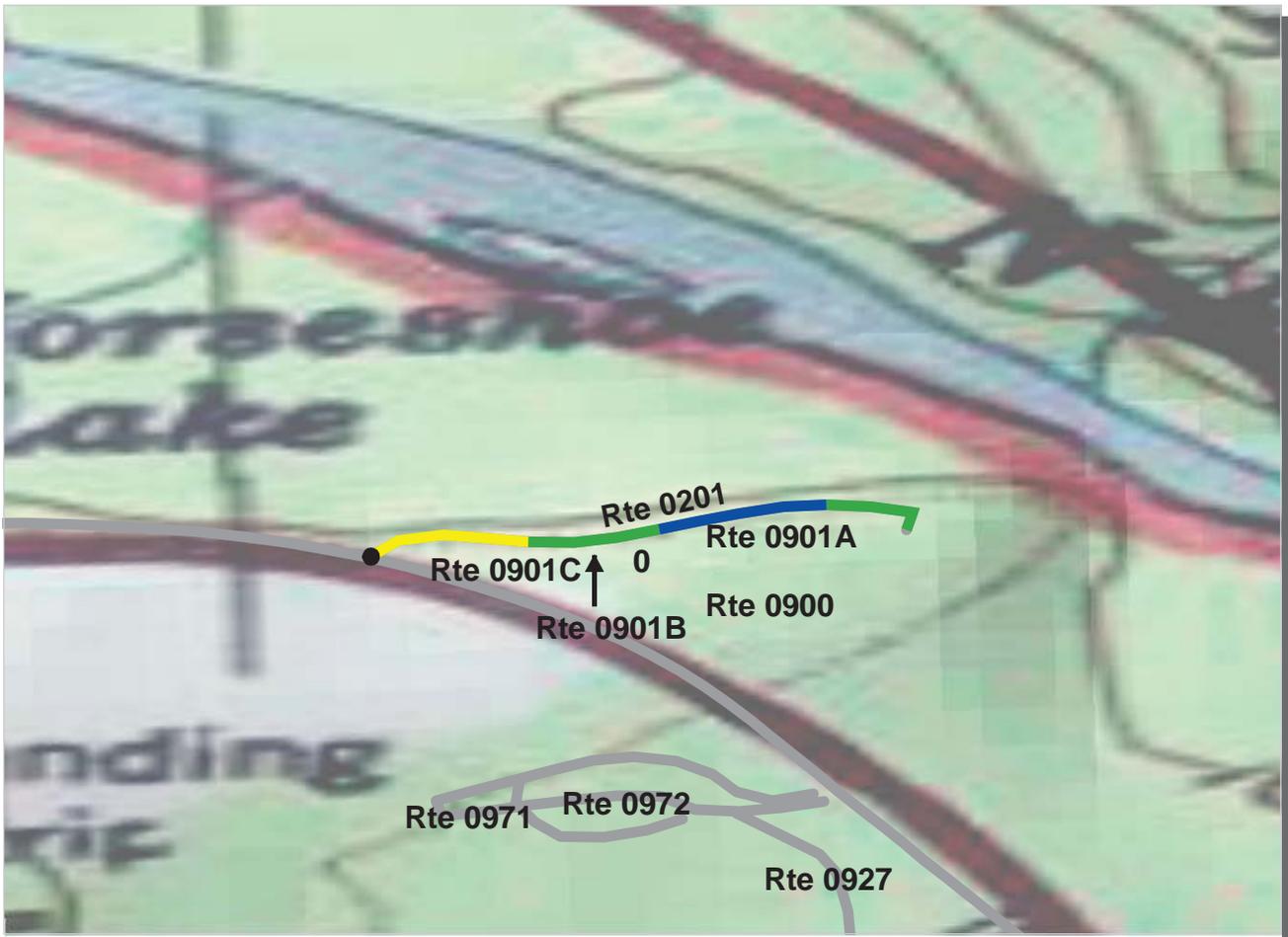
**DENA : Denali National Park and Preserve**

**ROUTE: 0100 Riley Creek Campground Access Road TOTAL LENGTH: 0.01 Miles**

Section Number	0	0.06			
Section Length (mi)	0.01	0.15			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	23	23			
Lane Width (ft)	12	12			
Shoulder Width (ft)	0	10			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	98	82			
RCI (Roughness Condition Index)	NC	55			
SCR (Surface Condition Rating)	98	83			
Alligator Cracking Index	100	97			
Rutting Index	98	92			
Patching Index	100	100			
Transverse Cracking Index	100	97			
Longitudinal Cracking Index	100	96			
Shoulder Condition Rating	N/A	POOR			
Drainage Condition Rating	POOR	POOR			

ROUTE: 0100 Riley Creek Campground Access Road

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



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

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

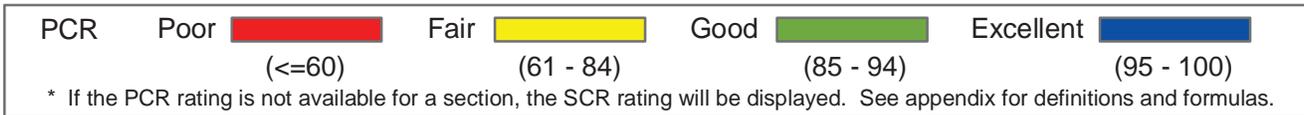
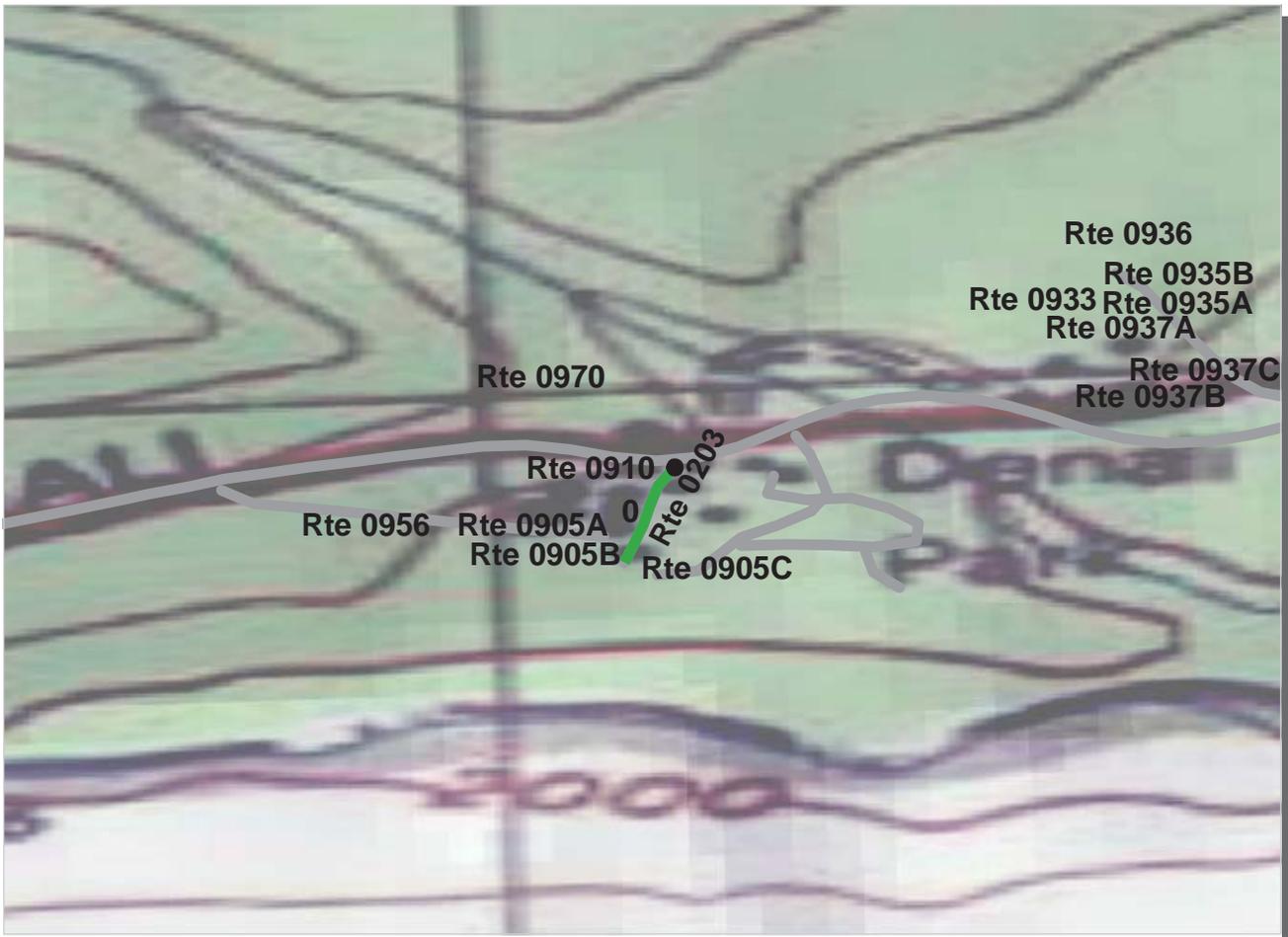
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0201 Visitor Access Center Road** **TOTAL LENGTH: 0.29 Miles**

Section Number	0				
Section Length (mi)	0.29				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	10				
Shoulder Width (ft)	4				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	86				
RCI (Roughness Condition Index)	89				
SCR (Surface Condition Rating)	87				
Alligator Cracking Index	98				
Rutting Index	94				
Patching Index	100				
Transverse Cracking Index	94				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/C				
Drainage Condition Rating	GOOD				

ROUTE: 0201 Visitor Access Center Road

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



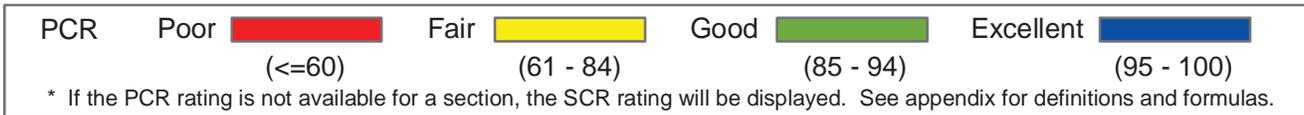
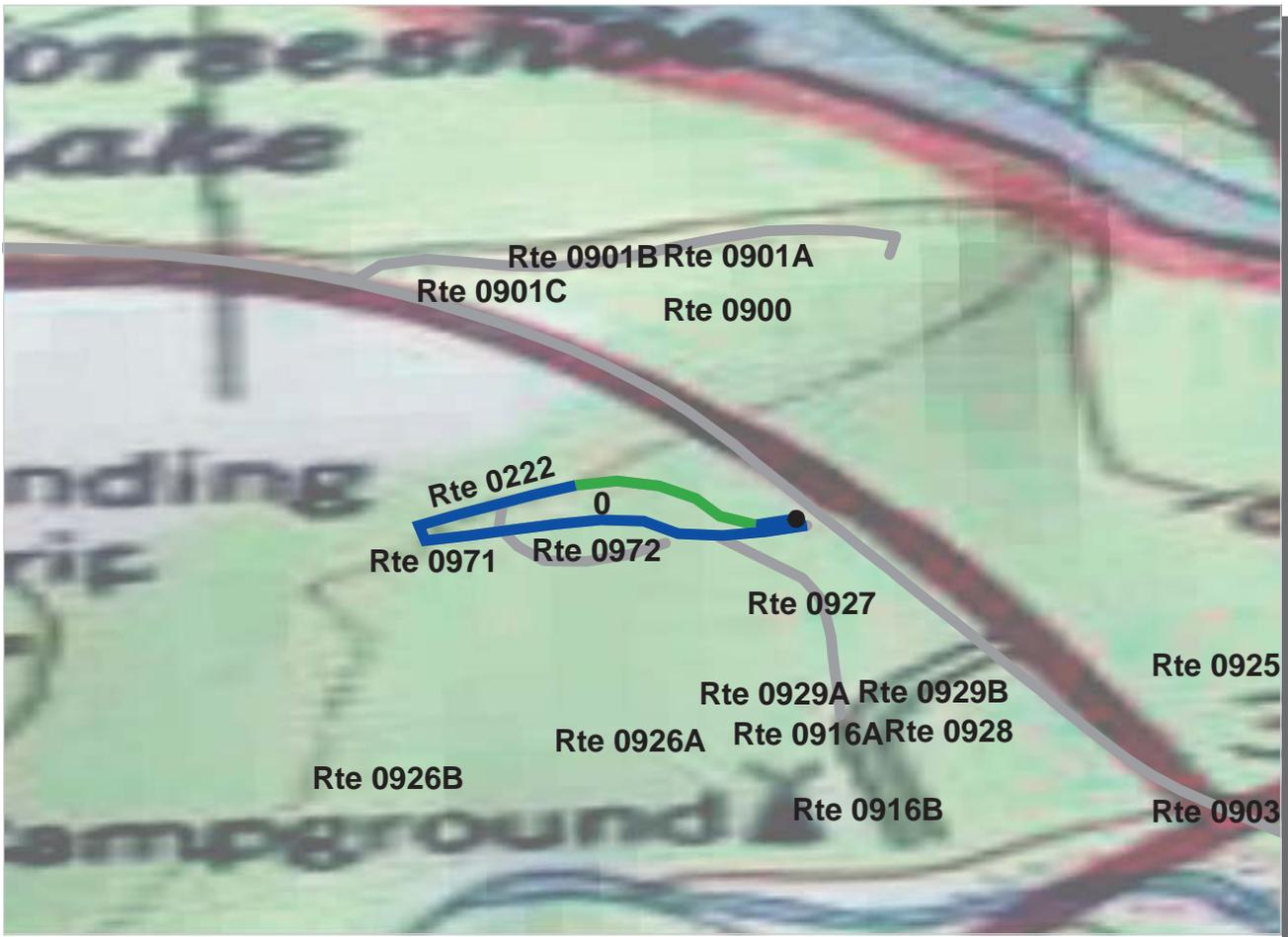
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0203 Headquarters Access Road** **TOTAL LENGTH: 0.11 Miles**

Section Number	0				
Section Length (mi)	0.11				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	88				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	88				
Alligator Cracking Index	100				
Rutting Index	93				
Patching Index	100				
Transverse Cracking Index	94				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	POOR				

ROUTE: 0203 Headquarters Access Road

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



**Alaska Region**

**DENA : Denali National Park and Preserve**

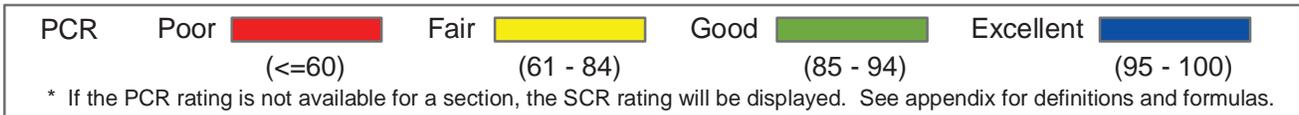
**ROUTE: 0222 Mercantile Access Road**

**TOTAL LENGTH: 0.41 Miles**

Section Number	0				
Section Length (mi)	0.41				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width (ft)	7				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	95				
RCI (Roughness Condition Index)	84				
SCR (Surface Condition Rating)	96				
Alligator Cracking Index	100				
Rutting Index	96				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/C				
Drainage Condition Rating	N/C				

ROUTE: 0222 Mercantile Access Road

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



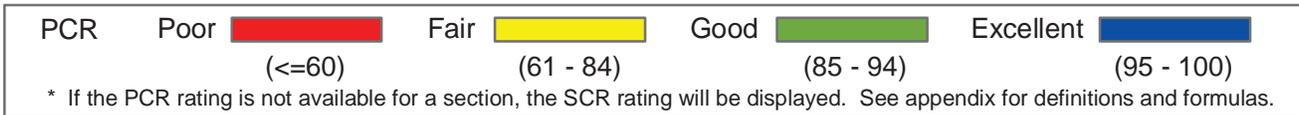
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0405 "C" Camp Residence & Maintenance Road      TOTAL LENGTH: 0.19 Miles**

Section Number	0				
Section Length (mi)	0.19				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width (ft)	4				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	87				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	87				
Alligator Cracking Index	100				
Rutting Index	94				
Patching Index	99				
Transverse Cracking Index	94				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	POOR				
Drainage Condition Rating	POOR				

ROUTE: 0405 "C" Camp Residence & Maintenance Road

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



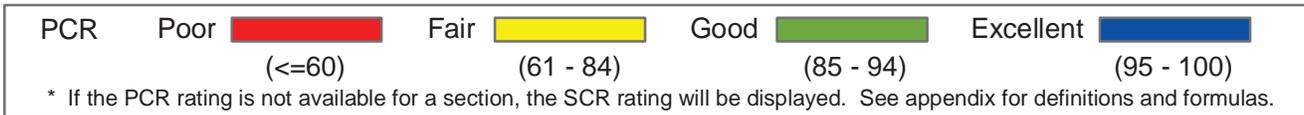
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0407 Headquarters Housing Area Road** **TOTAL LENGTH: 0.20 Miles**

Section Number	0				
Section Length (mi)	0.20				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	15				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	75				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	75				
Alligator Cracking Index	100				
Rutting Index	85				
Patching Index	99				
Transverse Cracking Index	92				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0407 Headquarters Housing Area Road

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



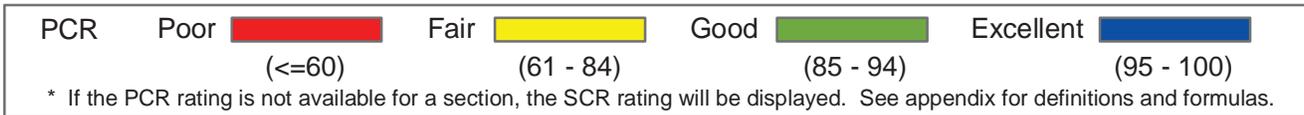
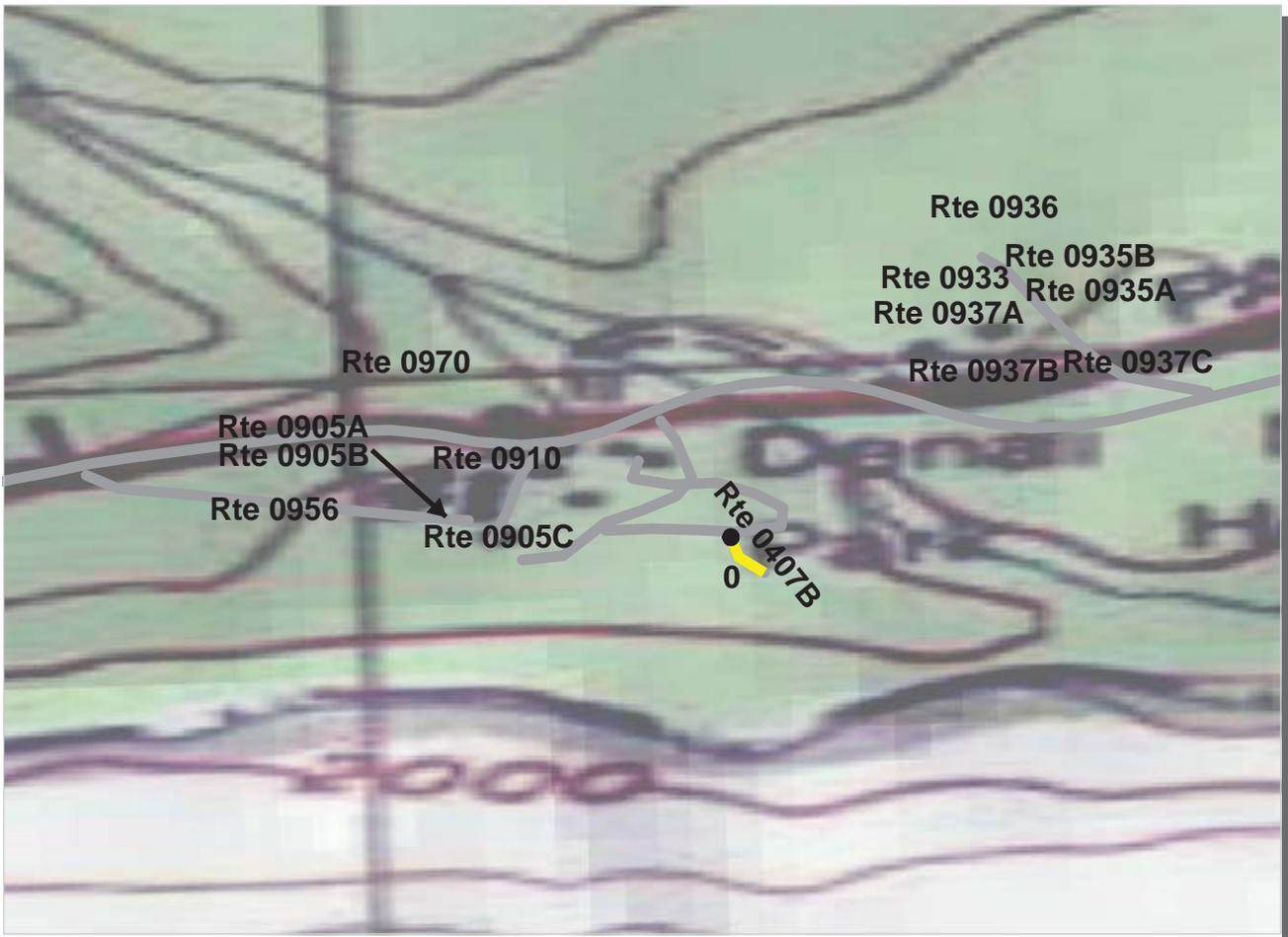
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0407A Headquarters Housing Area Road A** **TOTAL LENGTH: 0.22 Miles**

Section Number	0				
Section Length (mi)	0.22				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	11				
Shoulder Width (ft)	5				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	83				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	83				
Alligator Cracking Index	100				
Rutting Index	87				
Patching Index	100				
Transverse Cracking Index	96				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/C				
Drainage Condition Rating	POOR				

ROUTE: 0407A Headquarters Housing Area Road A

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



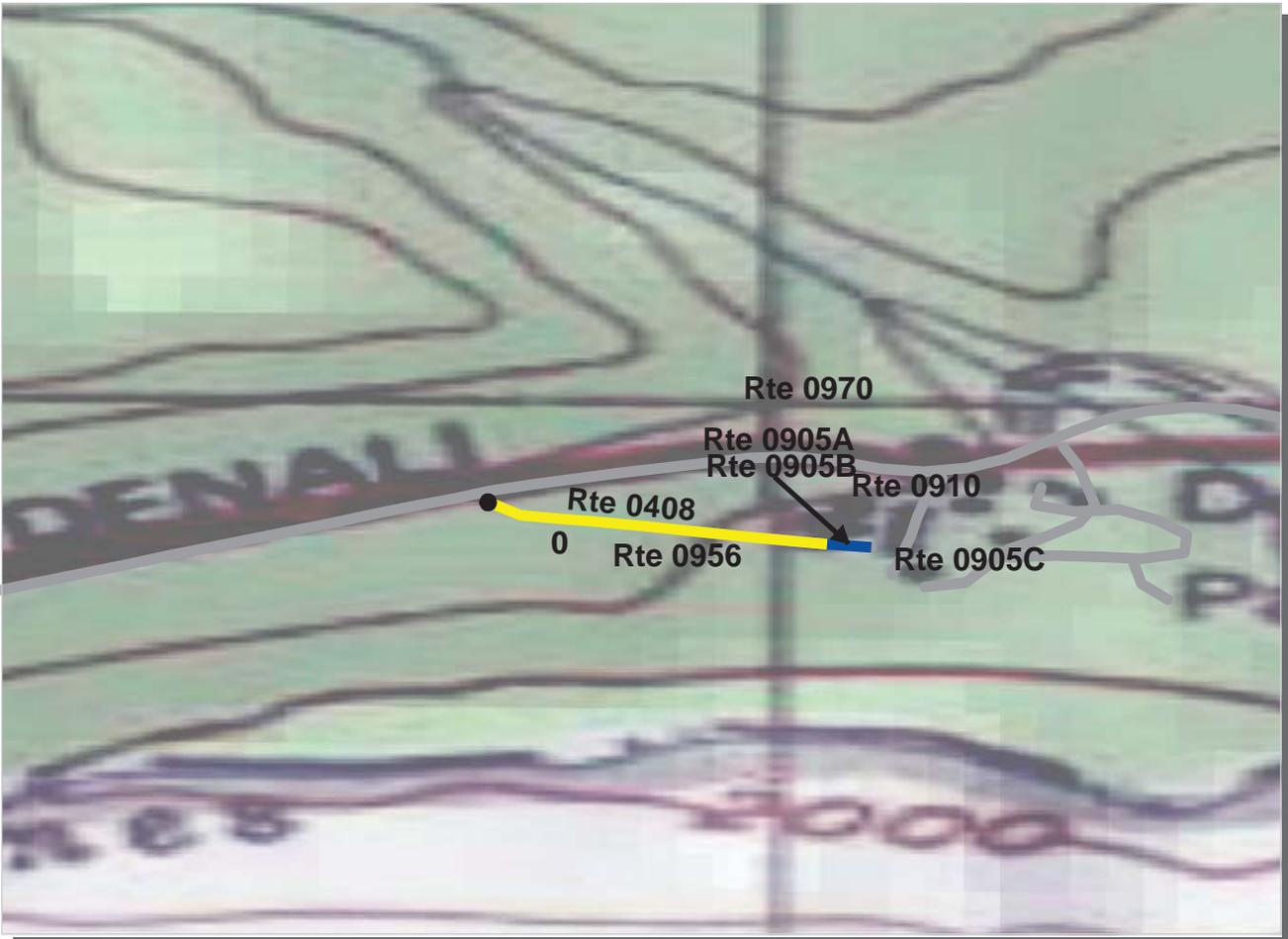
**Alaska Region**  
**DENA : Denali National Park and Preserve**

**ROUTE: 0407B Headquarters Housing Area Road B** **TOTAL LENGTH: 0.06 Miles**

Section Number	0				
Section Length (mi)	0.06				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	36				
Lane Width (ft)	18				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	80				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	80				
Alligator Cracking Index	100				
Rutting Index	82				
Patching Index	100				
Transverse Cracking Index	98				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	POOR				

ROUTE: 0407B Headquarters Housing Area Road B

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



**Alaska Region**

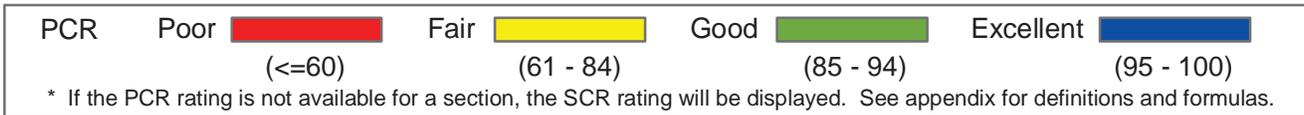
**DENA : Denali National Park and Preserve**

**ROUTE: 0408 Headquarters Administration Access Road TOTAL LENGTH: 0.20 Miles**

Section Number	0				
Section Length (mi)	0.20				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	74				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	74				
Alligator Cracking Index	100				
Rutting Index	82				
Patching Index	98				
Transverse Cracking Index	96				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0408 Headquarters Administration Access Road

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



**Alaska Region**

**DENA : Denali National Park and Preserve**

**ROUTE: 0423 Mercantile Service Road**

**TOTAL LENGTH: 0.13 Miles**

Section Number	0				
Section Length (mi)	0.13				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width (ft)	2				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	87				
RCI (Roughness Condition Index)	54				
SCR (Surface Condition Rating)	95				
Alligator Cracking Index	100				
Rutting Index	95				
Patching Index	100				
Transverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/C				
Drainage Condition Rating	N/C				

ROUTE: 0423 Mercantile Service Road

\* NC designates data not collected NA designates not applicable

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

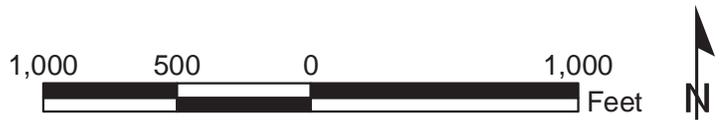
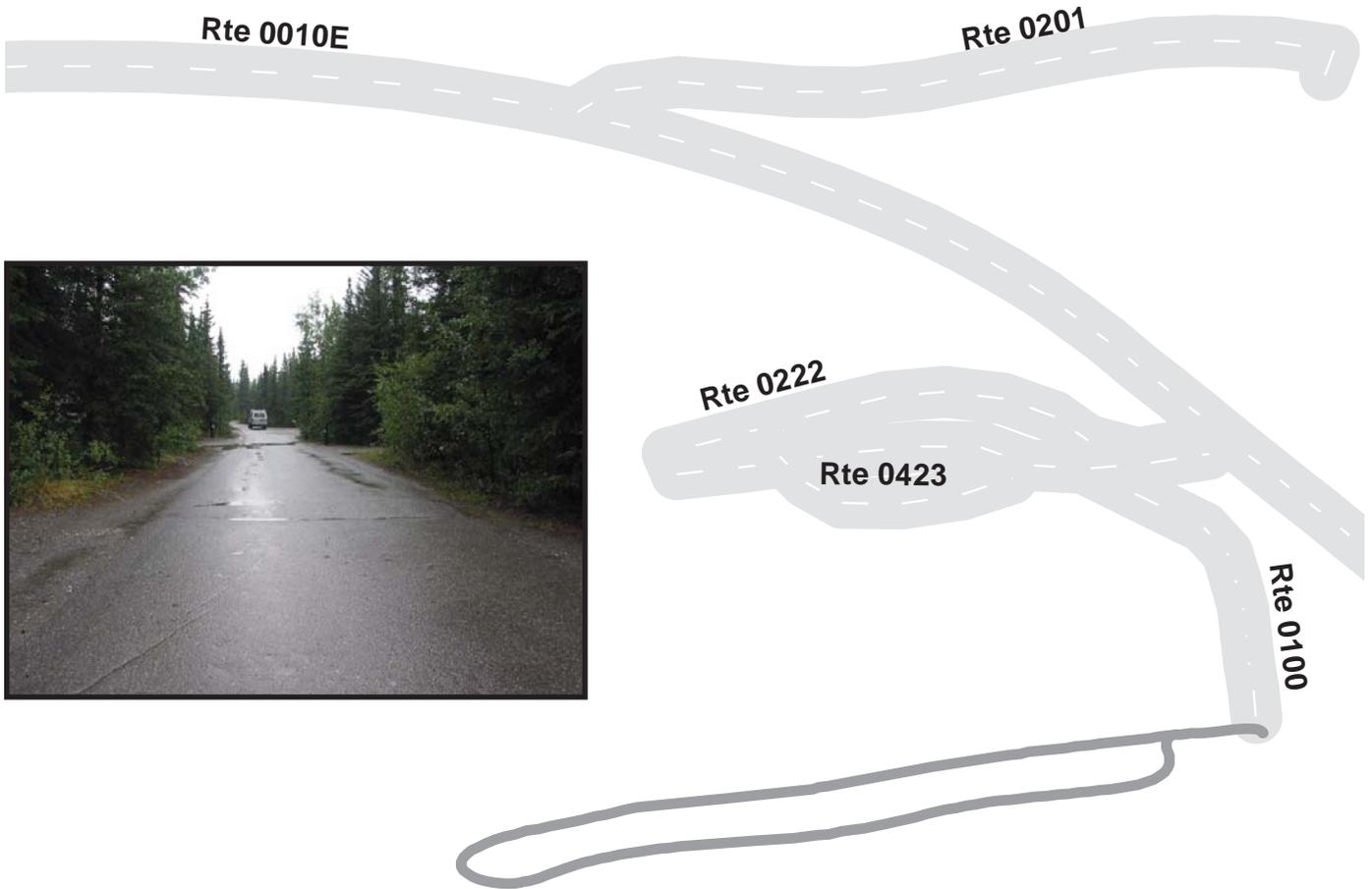
# Denali National Park and Preserve

## Route 0200A

Riley Creek Campground Loop 1  
Adjacent to Route 0100

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0200A	0.56	12.00	35482	0.61	FAIR / 73	AS

\* Lane miles are based on 11' lane widths



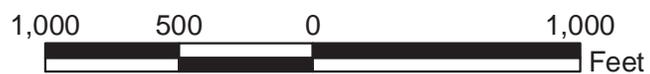
# Denali National Park and Preserve

## Route 0200B

Riley Creek Campground Loop 2  
Adjacent to Route 0100

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0200B	0.52	12.00	33137	0.57	FAIR / 73	AS

\* Lane miles are based on 11' lane widths



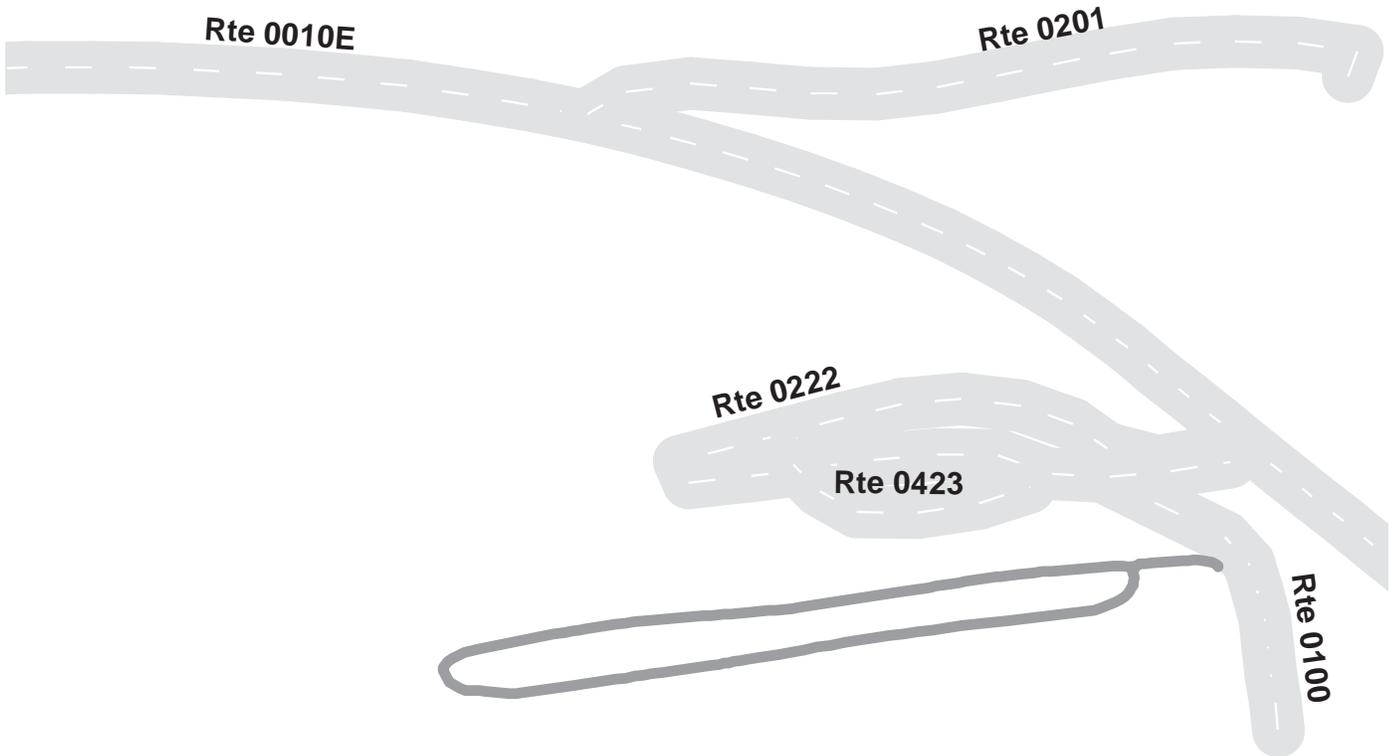
# Denali National Park and Preserve

## Route 0200C

Riley Creek Campground Loop 3  
Adjacent to Route 0100

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0200C	0.52	12.00	33137	0.57	NC / -1	AS

\* Lane miles are based on 11' lane widths



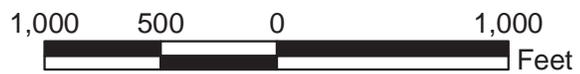
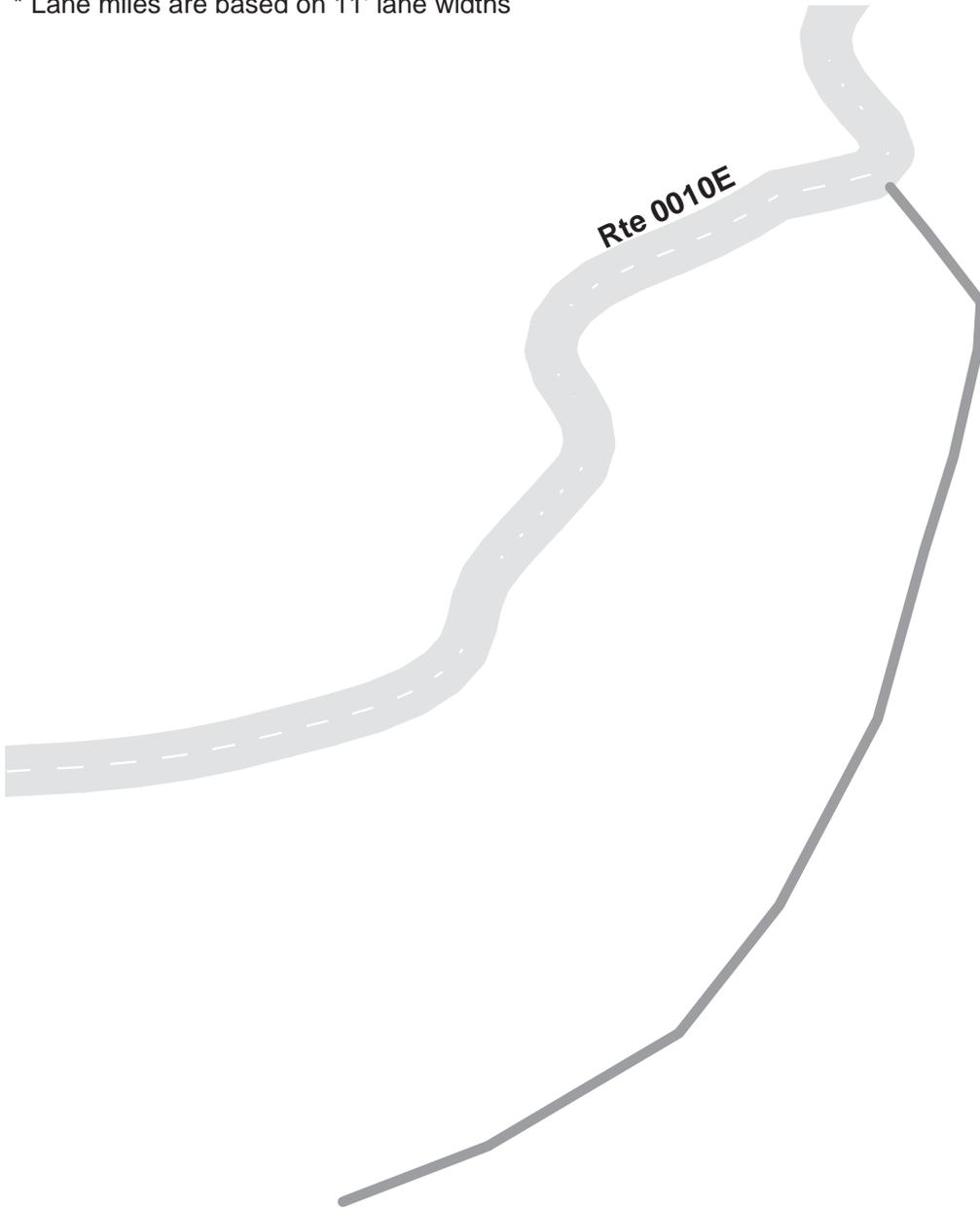
# Denali National Park and Preserve

## Route 0223

Depot Access Road  
From Route 0010E at MP 1.4

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0223	0.92	18.00	87532	1.51	NC / -1	AS

\* Lane miles are based on 11' lane widths



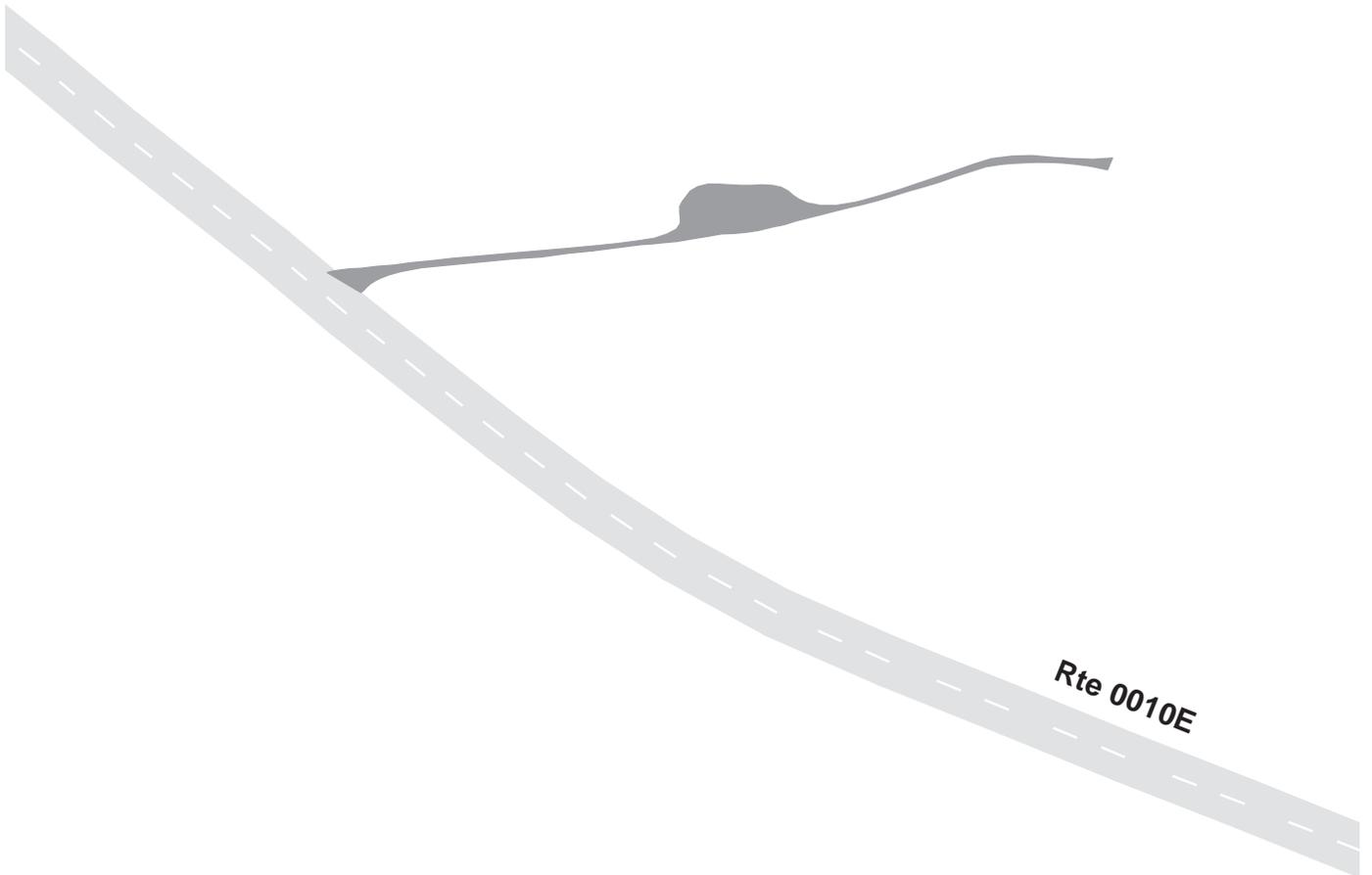
# Denali National Park and Preserve

## Route 0401

Sewage Lagoon Road  
From Route 0010E at MP 0.22

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0401	0.00	0.00	9820	0.17	NC / -1	GR

\* Lane miles are based on 11' lane widths



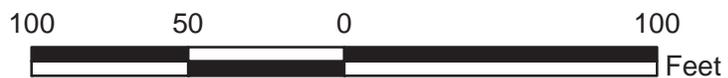
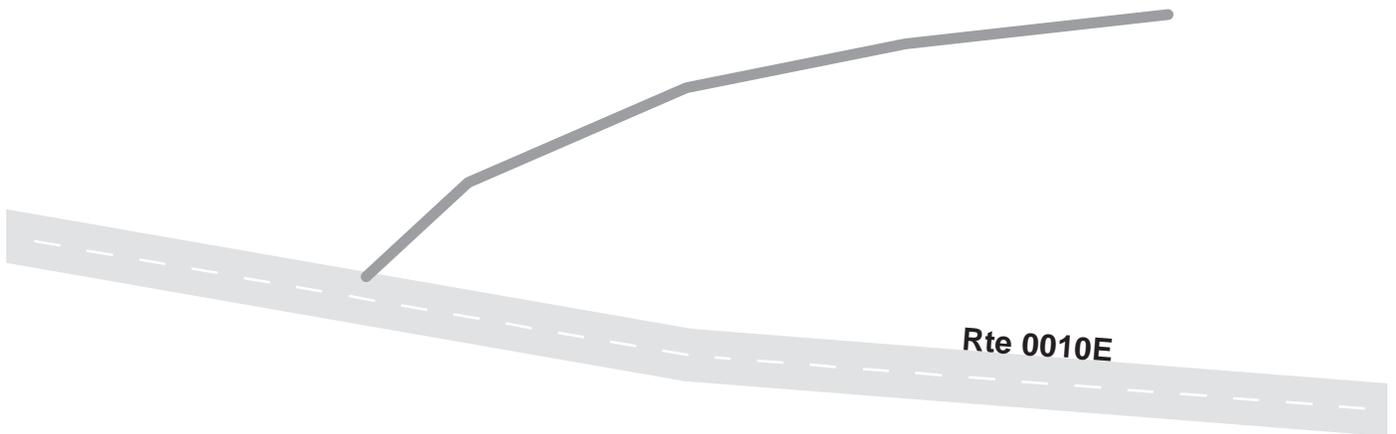
# Denali National Park and Preserve

## Route 0410

Rock Creek Reservoir Road  
From Route 0010E at MP 3.4

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0410	0.03	11.00	1626	0.03	GOOD / 90	AS

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

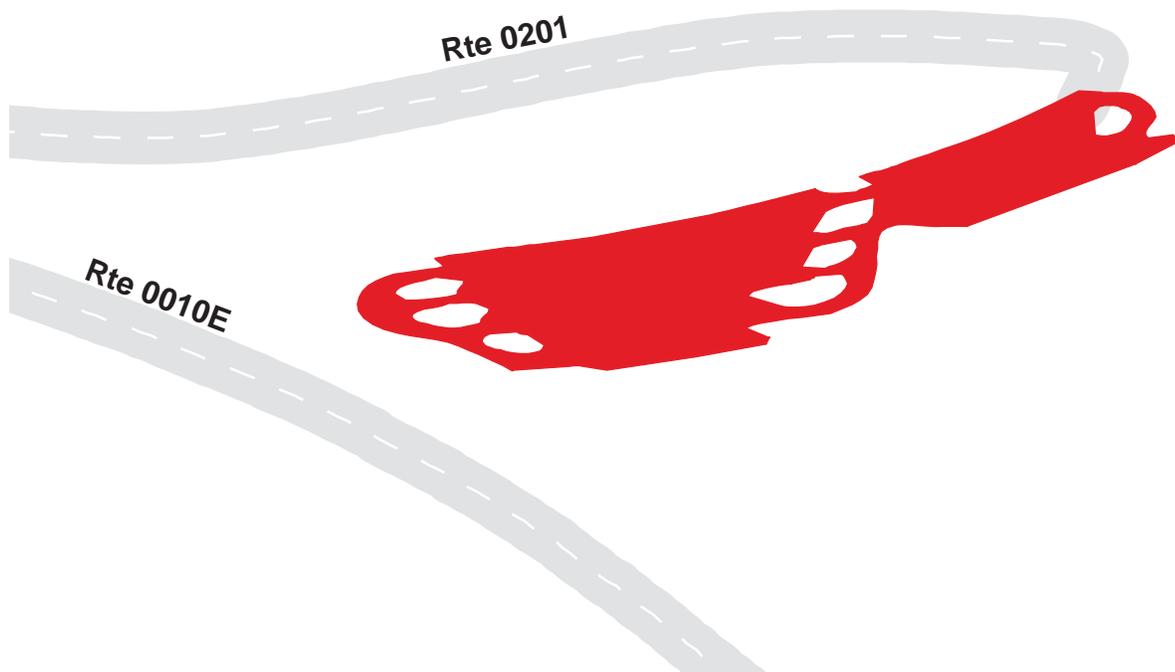
## Route 0900

VISITOR CENTER LOWER PARKING

End of Route 0201

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900	Public	8/16/2002	123805	2.13	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

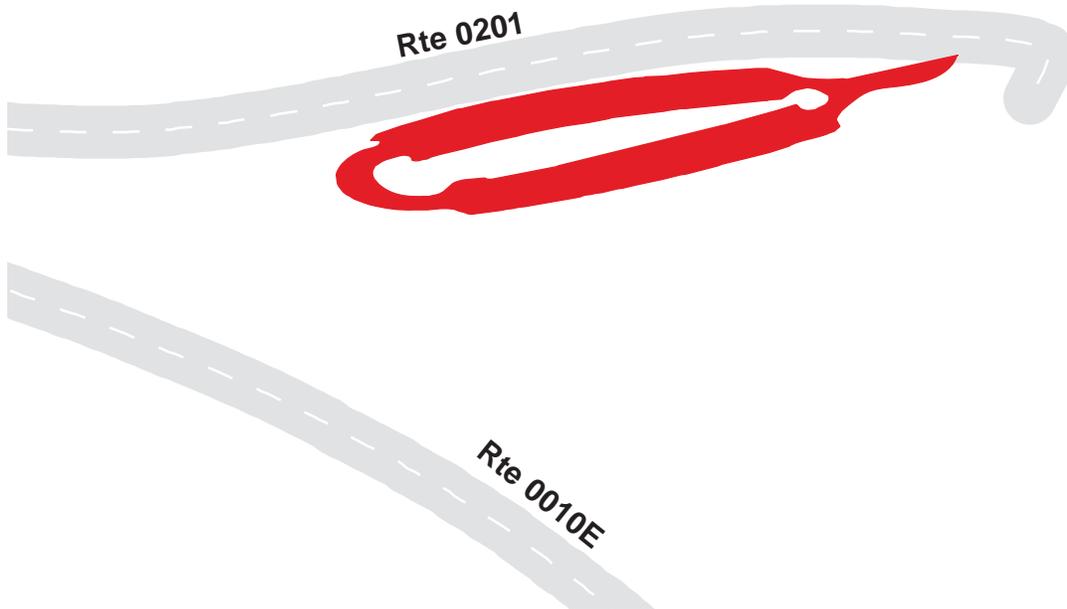
## Route 0901A

VISITOR CENTER UPPER PARKING A

Adjacent to Route 0201 at MP 0.26

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901A	Public	8/16/2002	60565	1.04	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



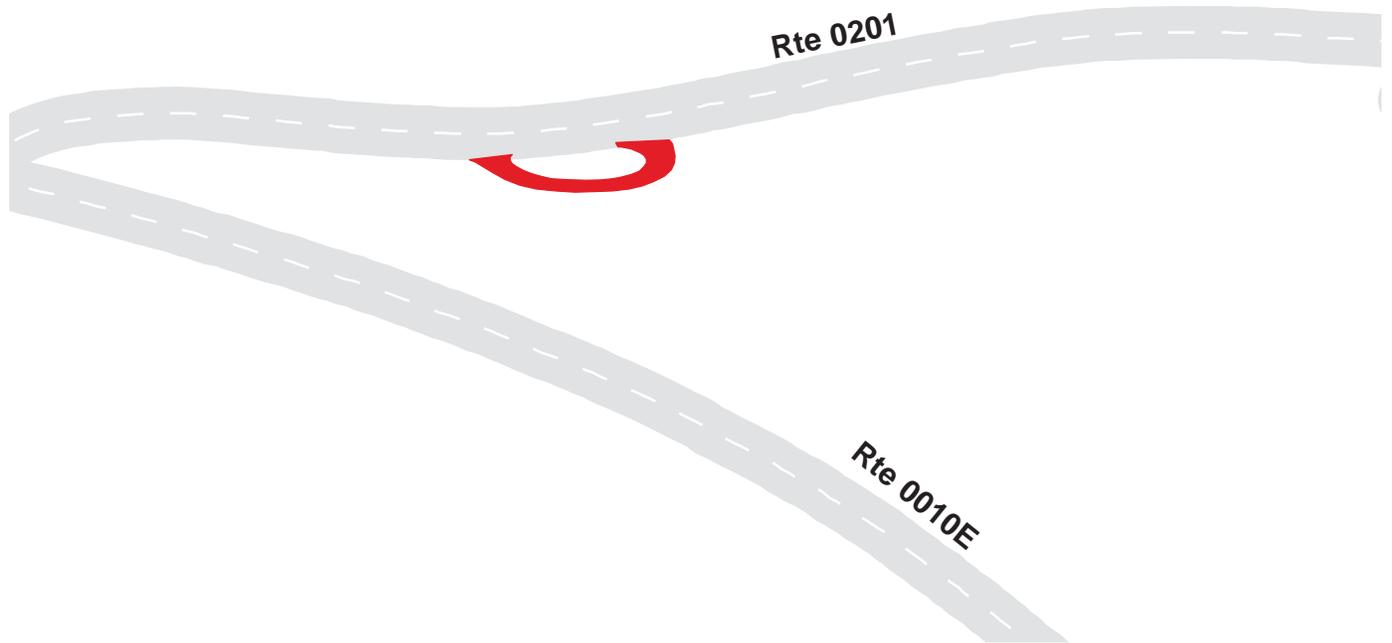
# Denali National Park and Preserve

## Route 0901B

VISITOR CENTER UPPER PARKING B  
Adjacent to Route 0201 at MP 0.12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901B	Public	8/16/2002	6364	0.11	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



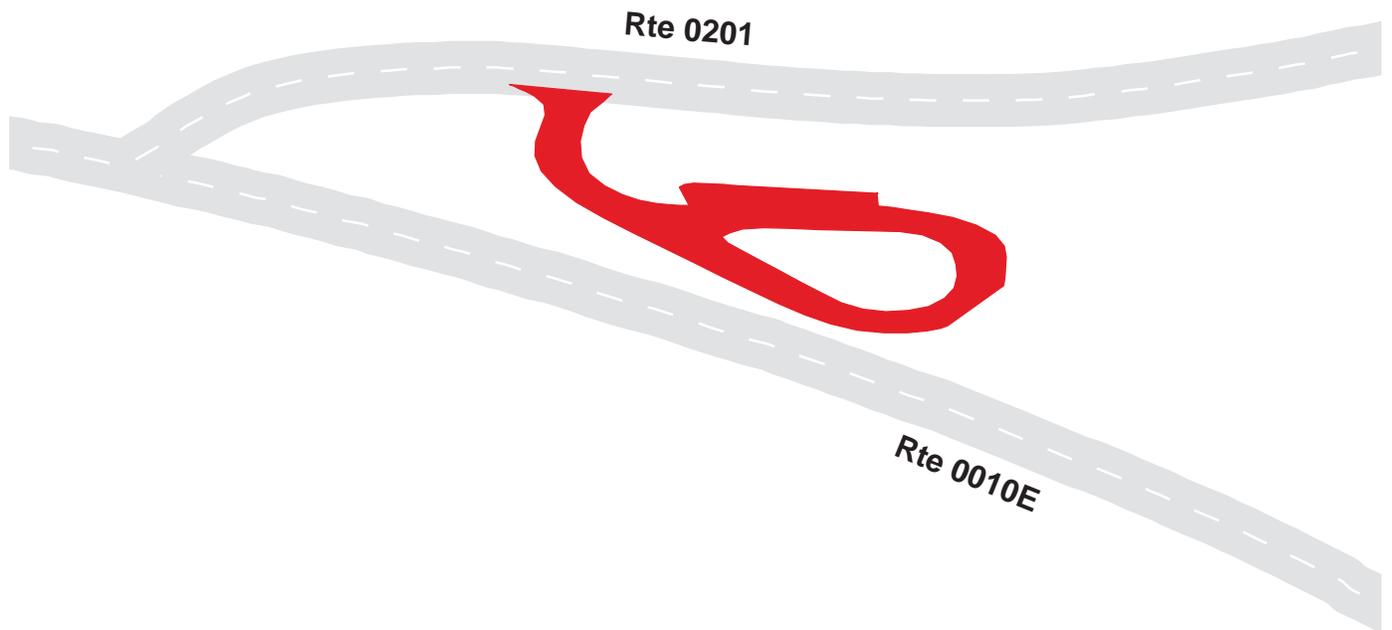
# Denali National Park and Preserve

## Route 0901C

VISITOR CENTER UPPER PARKING C  
Adjacent to Route 0201 at MP 0.06

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901C	Public	8/16/2002	19683	0.34	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



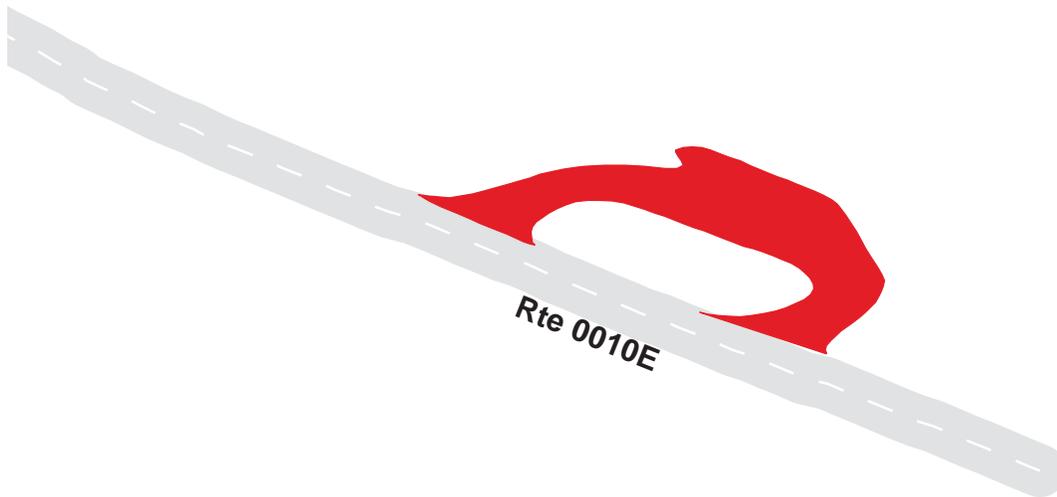
# Denali National Park and Preserve

## Route 0903

ENTRANCE FEATURE PARKING  
Adjacent to Route 0010E at MP .04

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903	Public	8/16/2002	11693	0.20	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

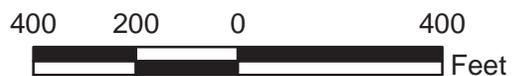
## Route 0904

DEPOT PARKING

From Route 0223

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904	Public	8/22/2002	81754	1.41	AS	N/A

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

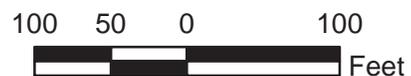
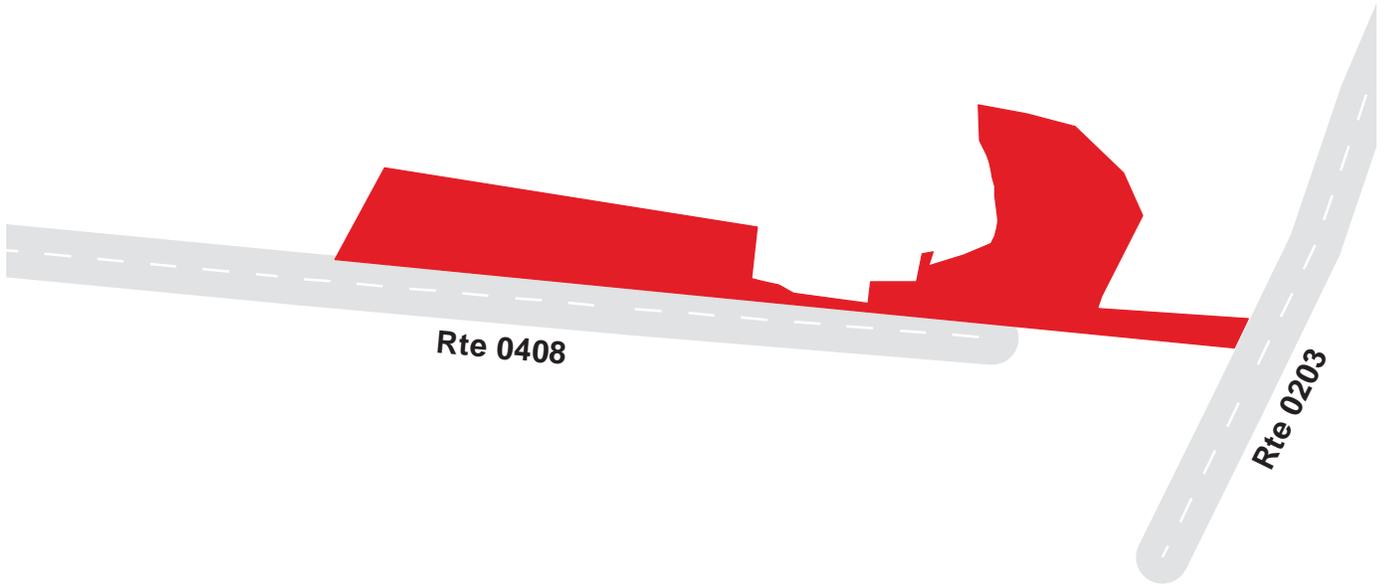
## Route 0905A

HEADQUARTERS PARKING A

Adjacent to Route 0203 and Route 0408

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905A	Public	8/16/2002	13750	0.24	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

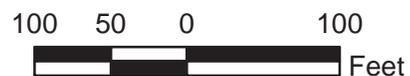
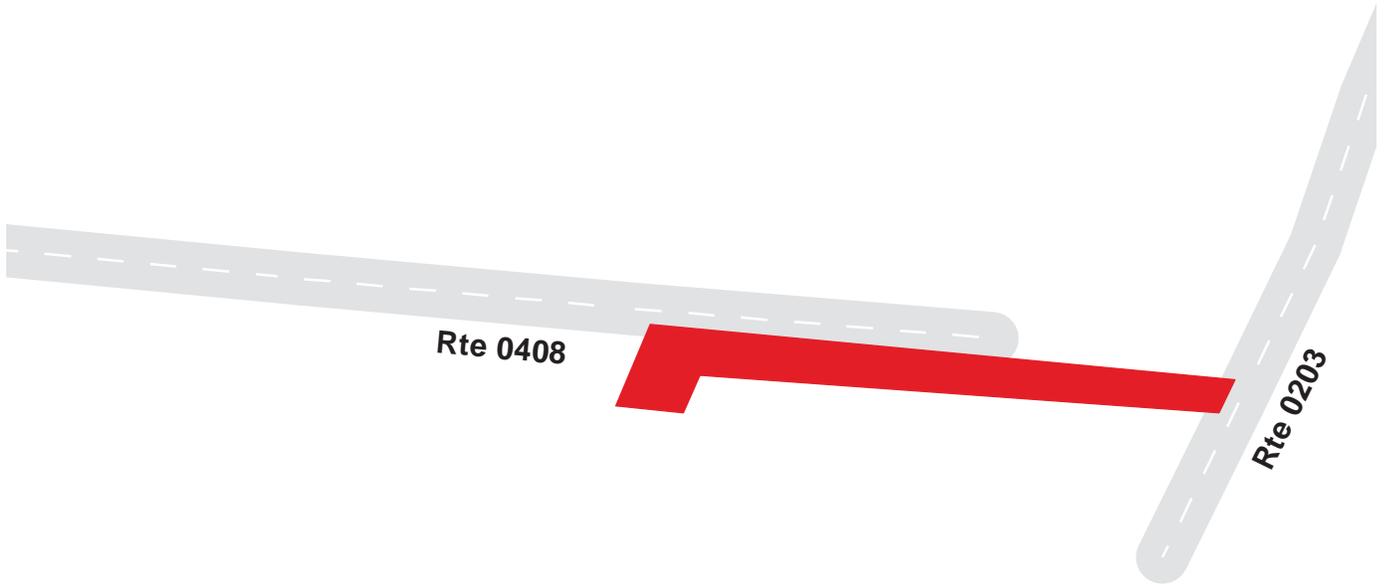
## Route 0905B

HEADQUARTERS PARKING B

Adjacent to Route 0203 and Route 0408

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905B	Public	8/16/2002	5074	0.09	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

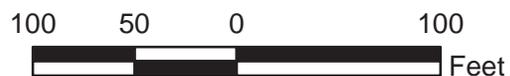
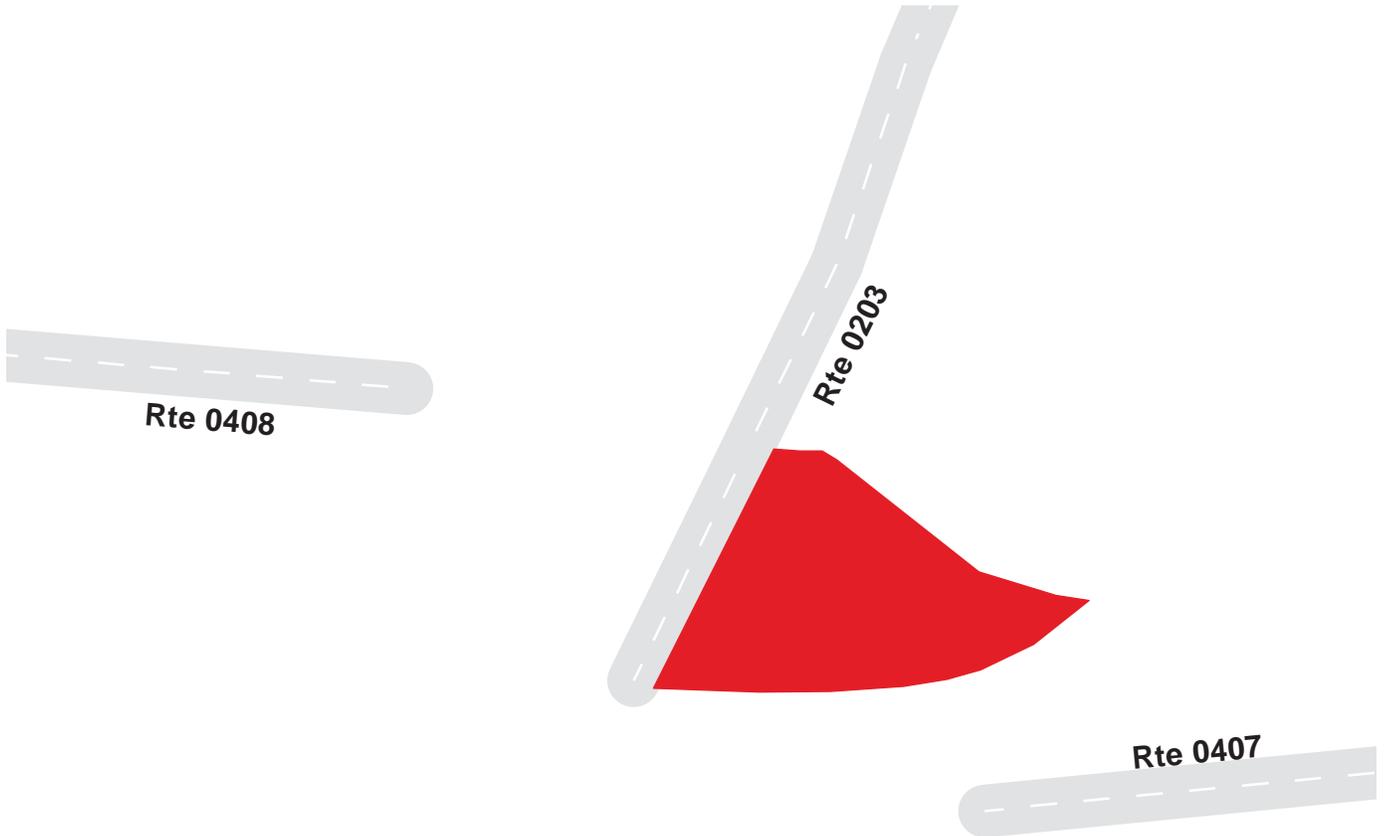
## Route 0905C

HEADQUARTERS PARKING C

Adjacent to Route 0203

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905C	Public	8/16/2002	6384	0.11	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

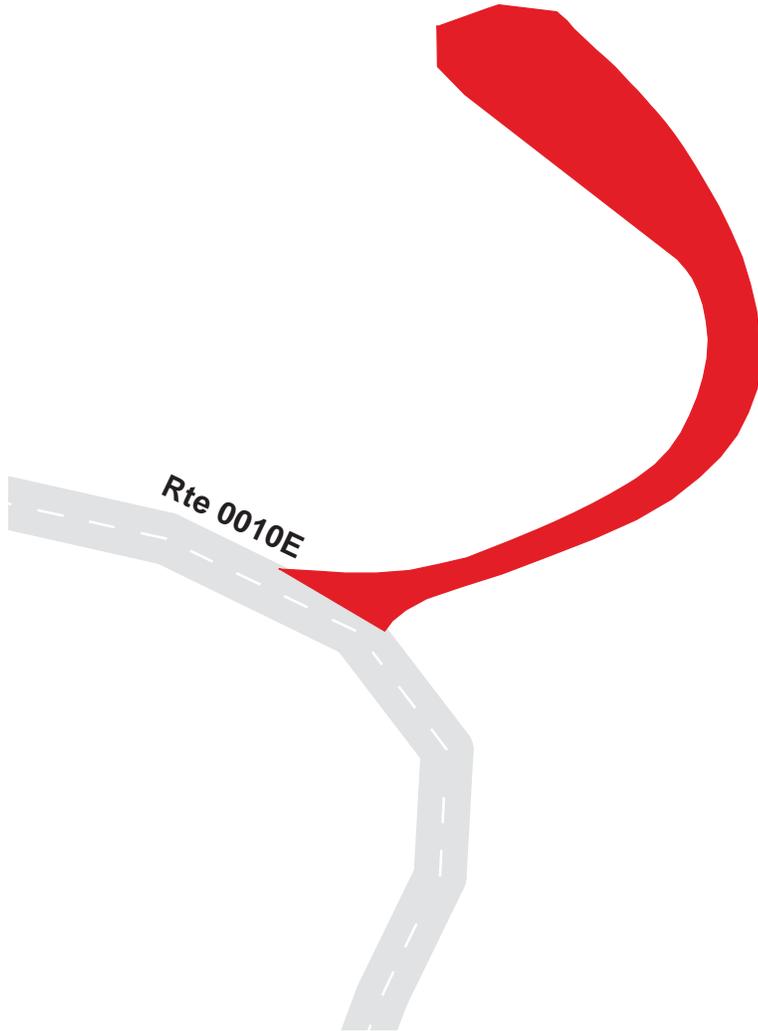
## Route 0906

### SAVAGE RIVER EAST PARKING

Adjacent to Route 0010E at MP 14.7 at Savage River

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	Public	8/16/2002	19248	0.33	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

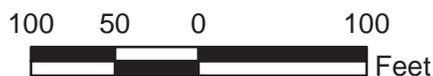
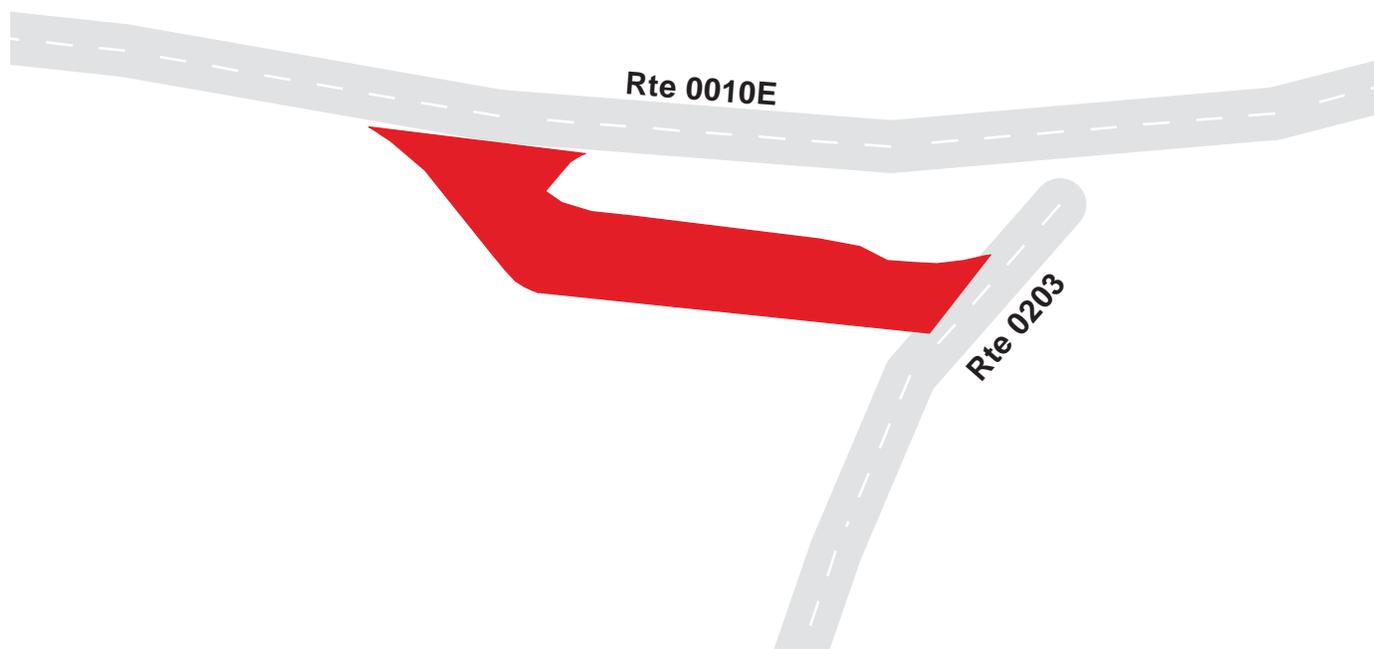
## Route 0910

HEADQUARTERS SHUTTLE STOP PARKING

Adjacent to Route 0203 and Route 0010E at MP 3.4

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0910	Public	8/16/2002	7501	0.13	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

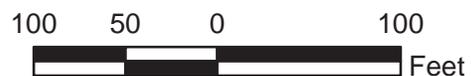
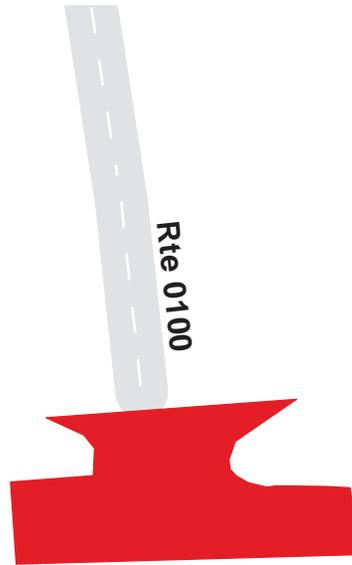
## Route 0916A

### RILEY CREEK CAMPGROUND PARKING

At End of Route 0100

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916A	Public	8/16/2002	5069	0.09	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

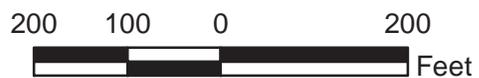
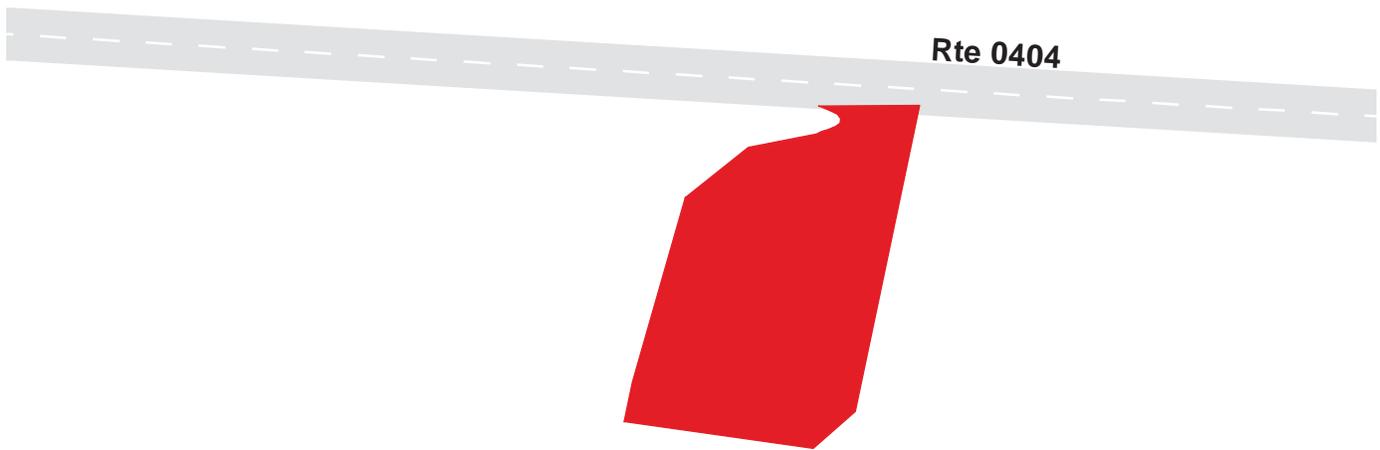
## Route 0921

SHUTTLE EMPLOYEE PARKING

Adjacent to Route 0404

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	8/22/2002	33912	0.58	AS	N/A

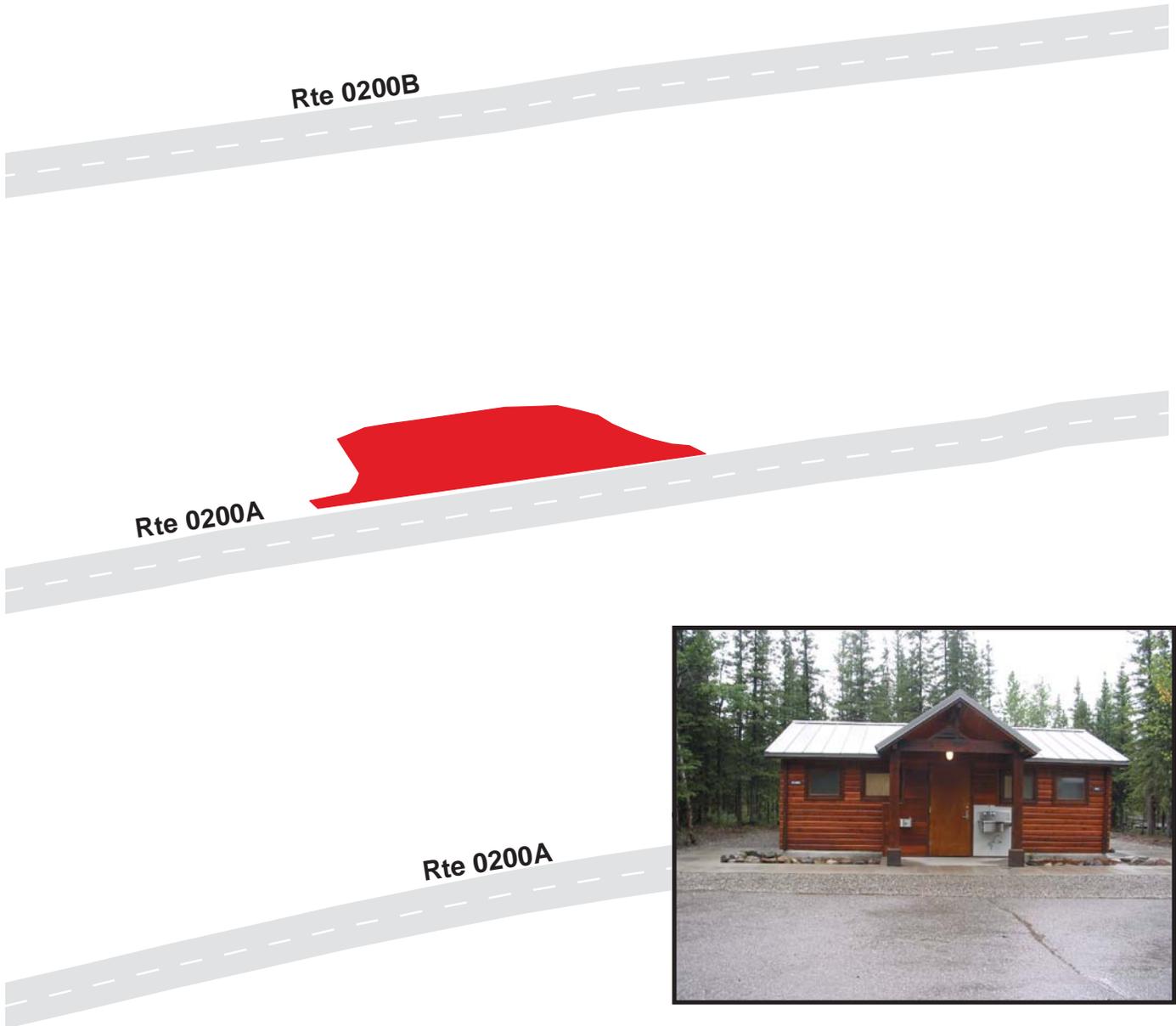
\* Lane miles are based on 11' lane widths



**Denali National Park and Preserve**  
**Route 0926A**  
 RILEY CREEK CAMPGROUND RESTROOMS A  
 Adjacent to Route 0200A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0926A	Public	8/16/2002	1764	0.03	AS	N/A

\* Lane miles are based on 11' lane widths



**Denali National Park and Preserve**  
**Route 0926B**  
 RILEY CREEK CAMPGROUND RESTROOMS B  
 Adjacent to Route 0200A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0926B	Public	8/16/2002	1848	0.03	AS	N/A

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

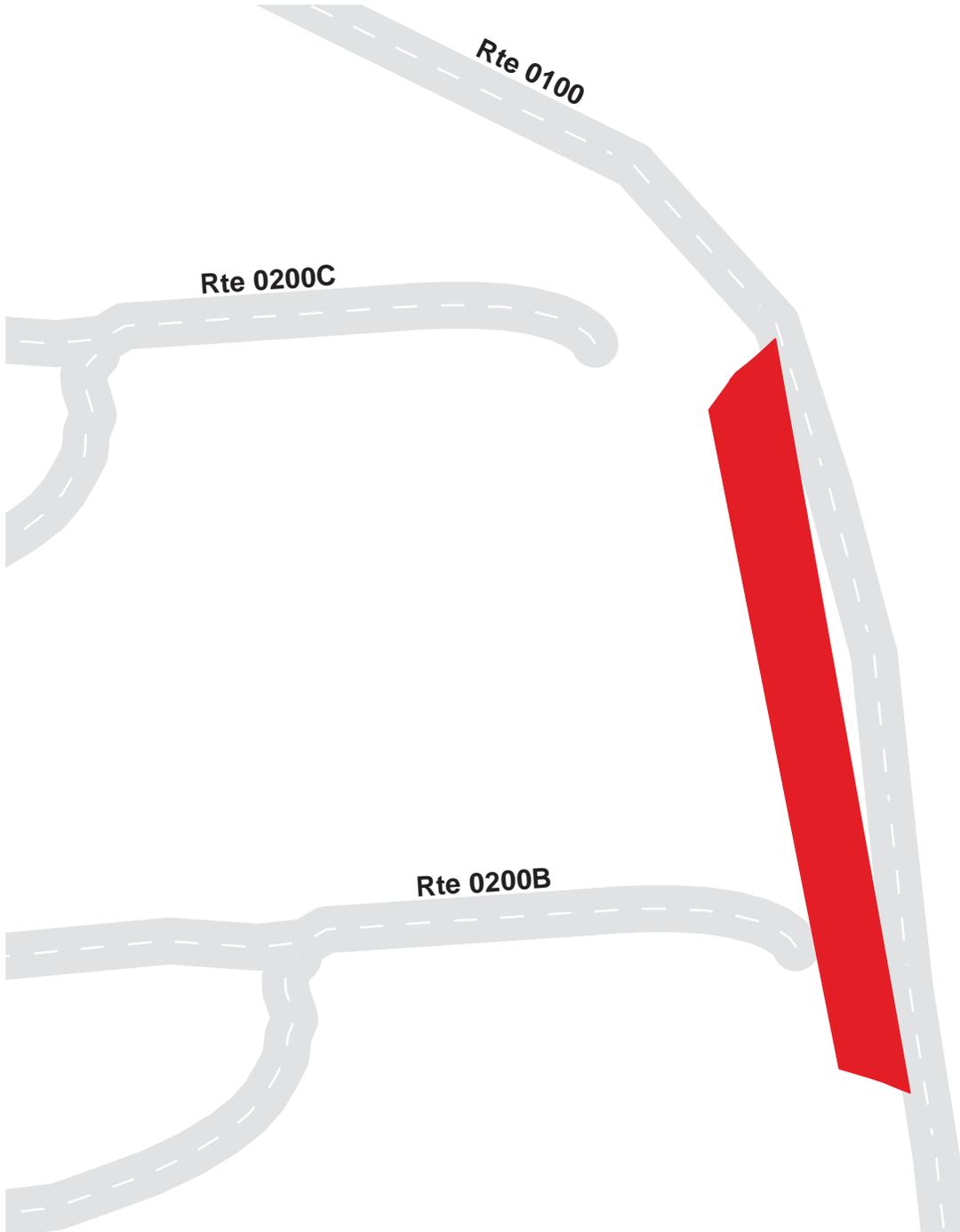
## Route 0927

### RILEY CREEK CAMPGROUND ACCESS PARKING

Adjacent to Route 0100

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927	Public	8/22/2002	9068	0.16	AS	N/A

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

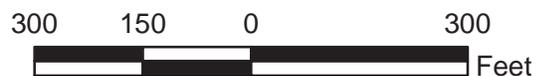
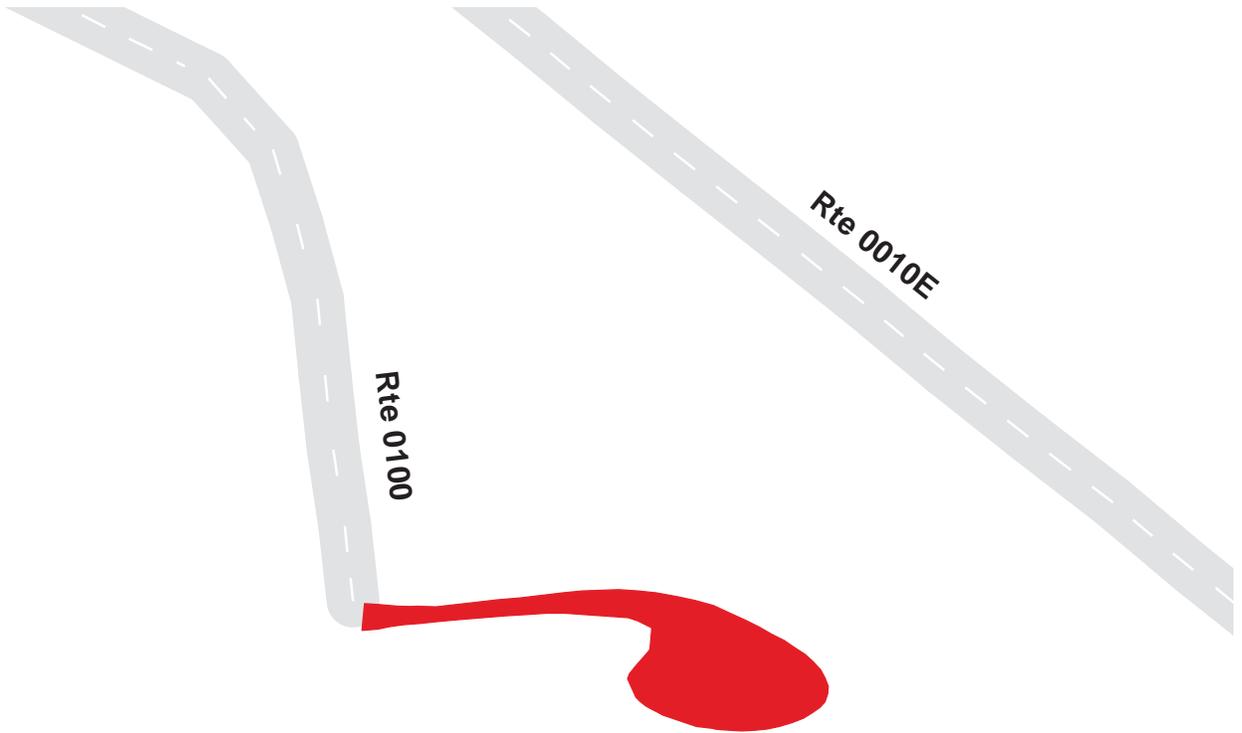
## Route 0928

RILEY CREEK POST OFFICE PARKING

At End of Route 0100 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0928	Public	8/16/2002	20985	0.36	AS	N/A

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

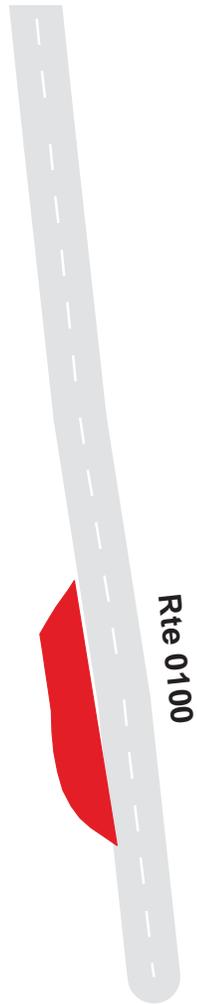
## Route 0929A

### RILEY CREEK SHUTTLE STOP

Adjacent to Route 0100

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0929A	Public	8/16/2002	616	0.01	AS	N/A

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

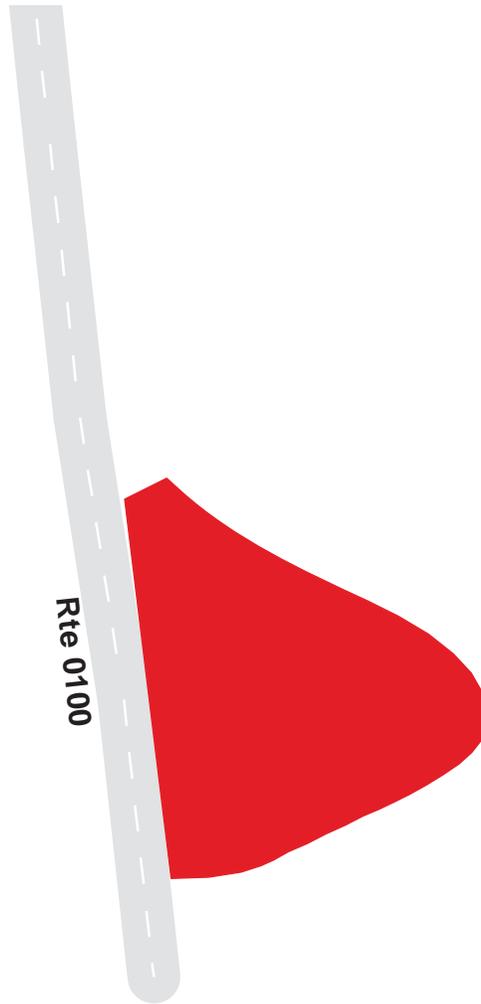
## Route 0929B

### RILEY CREEK SHUTTLE STOP

Adjacent to Route 0100 on Right and Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0929B	Public	8/16/2002	5440	0.09	AS	N/A

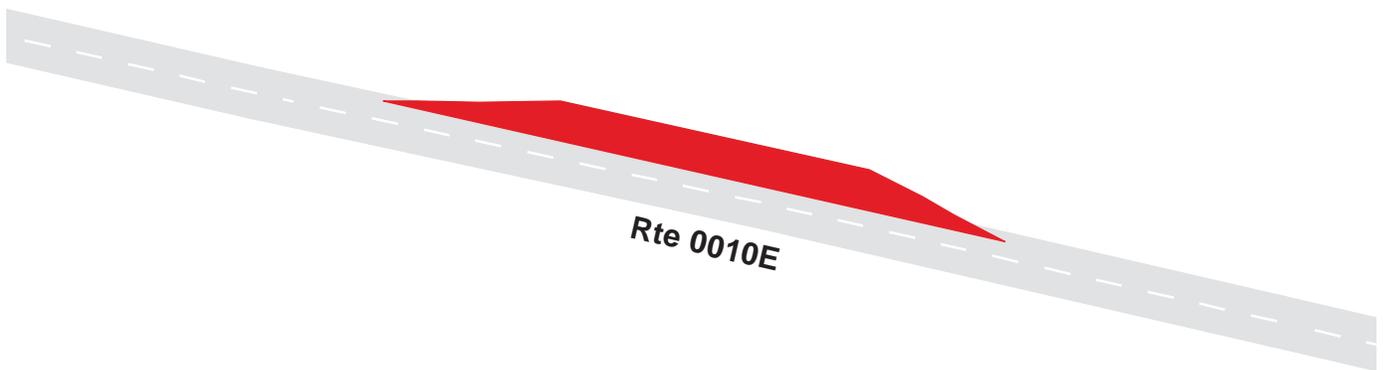
\* Lane miles are based on 11' lane widths



**Denali National Park and Preserve**  
**Route 0930**  
SAVAGE RIVER SHUTTLE STOP PARKING  
Adjacent to Route 0010E MP 12.75

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0930	Public	8/16/2002	1564	0.03	AS	N/A

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

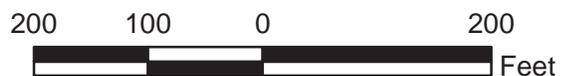
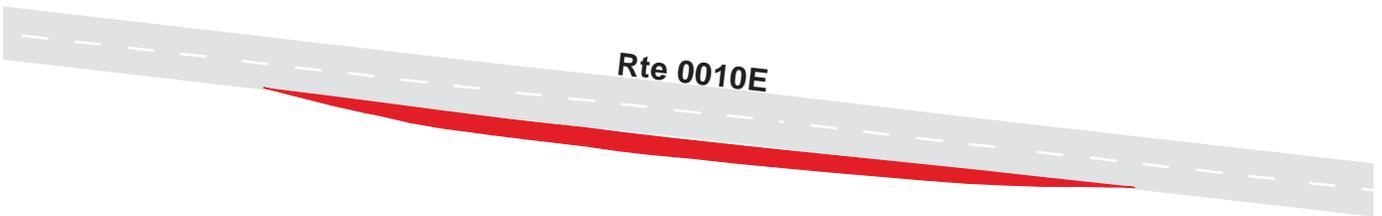
## Route 0932

### SAVAGE RIVER VIEWPOINT PARKING

Adjacent to Route 0010E at MP 11.75

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0932	Public	8/16/2002	4101	0.07	AS	N/A

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

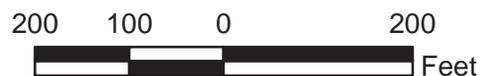
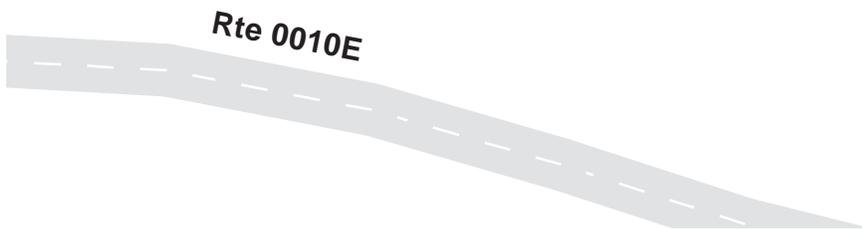
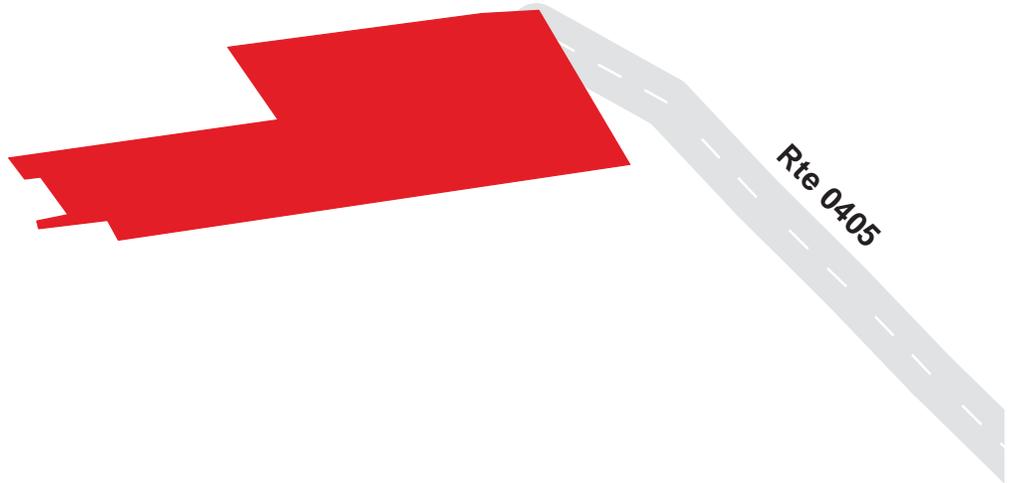
## Route 0933

"C" CAMP MAINTENANCE PARKING

Adjacent to End of Route 0405

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0933	NonPublic	8/16/2002	38180	0.66	AS	N/A

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

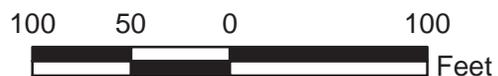
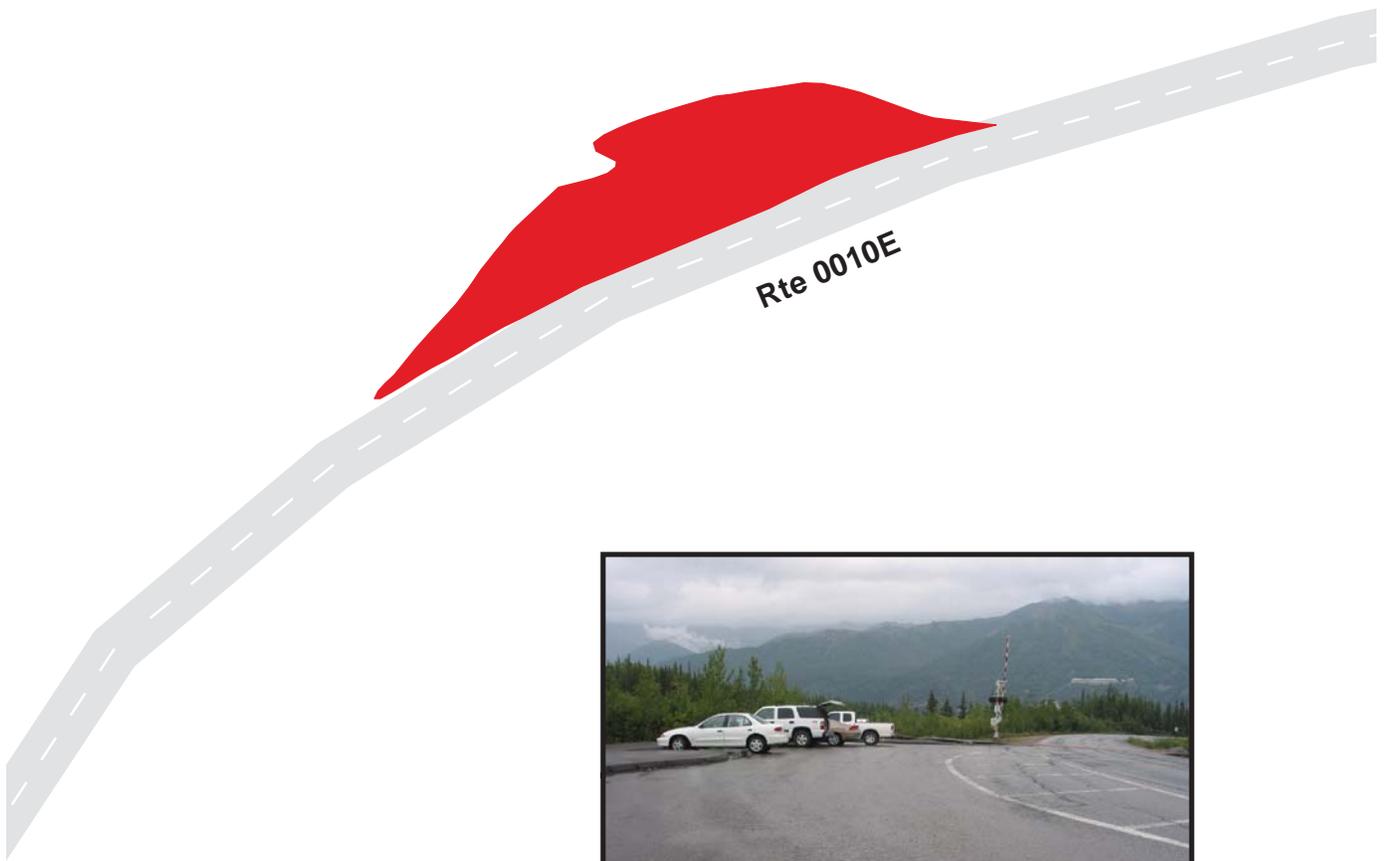
## Route 0957

HEALY TRAILHEAD PARKING

Adjacent to Route 0010E at MP 1.2

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0957	Public	8/16/2002	5927	0.10	AS	N/A

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

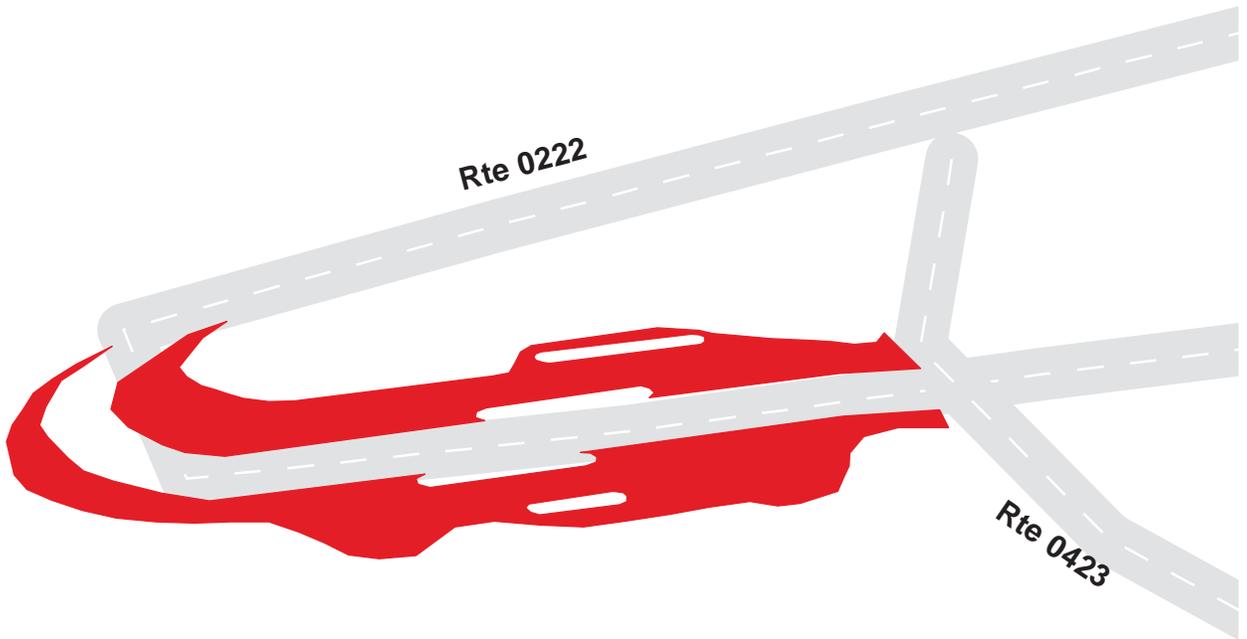
## Route 0971

MERCANTILE DUMP STATION

Adjacent to Route 0222 on Left and Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0971	Public	8/16/2002	10968	0.19	AS	N/A

\* Lane miles are based on 11' lane widths



# Denali National Park and Preserve

## Route 0972

MERCANTILE STORE PARKING

Adjacent to Route 0222

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0972	Public	8/16/2002	22245	0.38	AS	N/A

\* Lane miles are based on 11' lane widths



# ***DENA: PARKWIDE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>PARK TOTAL</i></b>	<b><i>UNIT</i></b>
BRIDGE	12	EACH
CATTLE GUARD	0	EACH
CULVERT	421	EACH
CURB	950	LINEAR FEET
DROP INLET	1	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	5,491	LINEAR FEET
INTERSECTION	156	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	0	EACH
PAVED DITCH	0	LINEAR FEET
PULLOUT	10	EACH
RAILROAD CROSSING	4	EACH
RETAINING WALL	0	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

# ***DENA: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0010E DENALI PARK ROAD - EAST</i></b>	<b><i>ROUTE 0010W DENALI PARK ROAD - WEST</i></b>	<b><i>ROUTE 0100 RILEY CREEK CAMPGROUND ACCESS ROAD</i></b>	<b><i>ROUTE 0201 VISITOR ACCESS CENTER ROAD</i></b>	<b><i>ROUTE 0203 HEADQUARTERS ACCESS ROAD</i></b>	<b><i>ROUTE 0222 MERCANTILE ACCESS ROAD</i></b>	<b><i>UNIT</i></b>
BRIDGE	6	6	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	194	224	1	0	0	1	EACH
CURB	803	0	0	0	0	148	LINEAR FEET
DROP INLET	1	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	2,424	3,068	0	0	0	0	LINEAR FEET
INTERSECTION	52	30	12	7	7	15	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	10	0	0	0	0	0	EACH
RAILROAD CROSSING	4	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

# ***DENA: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0405 'C' CAMP RESIDENCE &amp; MAINTENANCE ROAD</i></b>	<b><i>ROUTE 0407 HEADQUARTERS HOUSING AREA ROAD</i></b>	<b><i>ROUTE 0407A HEADQUARTERS HOUSING AREA ROAD A</i></b>	<b><i>ROUTE 0407B HEADQUARTERS HOUSING AREA ROAD B</i></b>	<b><i>ROUTE 0408 HEADQUARTERS ADMINISTRATION ACCESS</i></b>	<b><i>ROUTE 0423 MERCANTILE SERVICE ROAD</i></b>	<b><i>UNIT</i></b>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	1	0	0	0	0	EACH
CURB	0	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	7	8	6	1	5	6	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

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

## ***ROUTE 0010E : DENALI PARK ROAD - EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT STATE HWY 3
0.009	0.009	INTERSECTION	LEFT	STATE HWY 3
0.032	0.032	INTERSECTION	RIGHT	RTE 903, PARK ENTRANCE PARKING
0.064	0.064	INTERSECTION	RIGHT	RTE 903, PARK ENTRANCE PARKING
0.218	0.218	INTERSECTION	LEFT	TEMPORARY ACCESS TO RTE 928, RILEY CREEK POST O
0.220	0.220	INTERSECTION	RIGHT	RTE 401, SEWAGE LAGOON ROAD
0.388	0.388	INTERSECTION	LEFT	RTE 100 , RILEY CREEK CG ACCESS, OLD ENTRANCE-T
0.410	0.410	INTERSECTION	LEFT	RTE 222, MERCANTILE ACCESS ROAD (NEW)
0.419	0.419	INTERSECTION	LEFT	
0.740	0.740	INTERSECTION	RIGHT	RTE 201, VISITOR CENTER ACCESS RD
1.135	1.135	INTERSECTION	LEFT	RTE 402, AIR STRIP ACCESS RD
1.181	1.181	RAILROAD CROSSING	RIGHT	
1.188	1.188	INTERSECTION	RIGHT	RTE 957, HEALY TRAILHEAD PARKING
1.378	1.378	INTERSECTION	LEFT	RTE 223, DEPOT ACCESS ROAD
1.397	1.408	CURB	LEFT	
1.398	1.398	INTERSECTION	LEFT	
1.407	1.407	INTERSECTION	LEFT	
1.412	1.417	CURB	LEFT	
1.417	1.417	INTERSECTION	LEFT	
1.423	1.433	CURB	LEFT	
1.492	1.492	INTERSECTION	LEFT	RTE 404, HOTEL WATER SUPPLY ROAD

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

## ***ROUTE 0010E : DENALI PARK ROAD - EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
1.495	1.495	INTERSECTION	RIGHT	RTE 421, EMPLOYEE HOUSING ROAD
1.534	1.534	INTERSECTION	RIGHT	RTE 919 SHUTTLE FUEL STATION PARKING
1.666	1.666	INTERSECTION	LEFT	
1.912	1.912	INTERSECTION	LEFT	RTE 223, DEPOT ACCESS ROAD
2.361	2.361	CULVERT	N/A	
2.422	2.422	CULVERT	N/A	
2.917	2.917	CULVERT	N/A	
3.012	3.012	CULVERT	N/A	
3.040	3.040	INTERSECTION	RIGHT	RTE 405, C CAMP RES AND MAINTENANCE RD
3.210	3.210	INTERSECTION	RIGHT	RTE 406, ROCK CREED PUMPHOUSE RD
3.261	3.289	GUARDRAIL	LEFT	
3.262	3.286	BRIDGE	N/A	
3.266	3.293	GUARDRAIL	RIGHT	
3.311	3.311	INTERSECTION	LEFT	RTE 407, HEADQUARTERS HOUSING AREA RD
3.371	3.371	INTERSECTION	LEFT	RTE 203, HEADQUARTERS ACCESS RD
3.402	3.402	INTERSECTION	LEFT	RTE 910, HEADQUARTERS SHUTTLE STOP PKG
3.417	3.417	INTERSECTION	RIGHT	RTE 410, ROCK CREEK RESEVOIR RD
3.433	3.433	CULVERT	N/A	
3.584	3.584	INTERSECTION	LEFT	RTE 408, HEADQUARTERS ADMINISTRATION ACCESS RD
3.655	3.655	CULVERT	N/A	
3.682	3.682	CULVERT	N/A	
3.730	3.730	CULVERT	N/A	

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

## ***ROUTE 0010E : DENALI PARK ROAD - EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
4.148	4.148	CULVERT	N/A	
4.225	4.225	CULVERT	N/A	
4.280	4.280	CULVERT	N/A	
4.329	4.329	CULVERT	N/A	
4.377	4.377	CULVERT	N/A	
4.406	4.406	CULVERT	N/A	
4.473	4.473	CULVERT	N/A	
4.515	4.515	CULVERT	N/A	
4.535	4.535	CULVERT	N/A	
4.588	4.608	CURB	LEFT	
4.590	4.612	PULLOUT	LEFT	
4.943	4.943	CULVERT	N/A	
4.979	4.979	CULVERT	N/A	
5.047	5.047	CULVERT	N/A	
5.247	5.247	CULVERT	N/A	
5.326	5.326	CULVERT	N/A	
5.343	5.427	PULLOUT	LEFT	
5.370	5.370	CULVERT	N/A	
5.400	5.400	CULVERT	N/A	
5.515	5.515	CULVERT	N/A	
5.611	5.611	INTERSECTION	RIGHT	RTE 939, FIVE MILE PIT
5.630	5.630	CULVERT	N/A	
6.126	6.126	CULVERT	N/A	
6.590	6.590	CULVERT	N/A	
6.752	6.752	CULVERT	N/A	
6.780	6.780	CULVERT	N/A	
6.855	6.855	CULVERT	N/A	

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

## ***ROUTE 0010E : DENALI PARK ROAD - EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
6.990	6.990	INTERSECTION	RIGHT	RTE 412, SEVEN MILE PIT ROAD
7.072	7.072	CULVERT	N/A	
7.124	7.124	CULVERT	N/A	
7.164	7.263	PULLOUT	LEFT	
7.168	7.260	CURB	LEFT	
7.650	7.650	CULVERT	N/A	
7.657	7.707	PULLOUT	LEFT	
7.765	7.765	CULVERT	N/A	
8.031	8.031	CULVERT	N/A	
8.173	8.173	CULVERT	N/A	
8.548	8.548	CULVERT	N/A	
8.904	8.904	CULVERT	N/A	
8.919	8.982	PULLOUT	LEFT	
9.184	9.184	CULVERT	N/A	
9.354	9.354	CULVERT	N/A	
9.397	9.397	CULVERT	N/A	
9.587	9.587	CULVERT	N/A	
9.835	9.835	CULVERT	N/A	
10.026	10.026	CULVERT	N/A	
10.060	10.060	CULVERT	N/A	
10.114	10.179	PULLOUT	RIGHT	
10.339	10.339	CULVERT	N/A	
10.422	10.422	CULVERT	N/A	
10.447	10.447	CULVERT	N/A	
10.467	10.467	CULVERT	N/A	
10.522	10.522	CULVERT	N/A	
10.523	10.594	PULLOUT	LEFT	

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

## ***ROUTE 0010E : DENALI PARK ROAD - EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
10.666	10.666	CULVERT	N/A	
10.808	10.840	PULLOUT	RIGHT	
11.215	11.215	CULVERT	N/A	
11.419	11.419	CULVERT	N/A	
11.658	11.658	CULVERT	N/A	
11.672	11.672	CULVERT	N/A	
11.763	11.763	INTERSECTION	LEFT	RTE 932, SAVAGE RIVER VIEWPOINT PARKING
11.949	11.949	CULVERT	N/A	
12.259	12.259	CULVERT	N/A	
12.310	12.310	CULVERT	N/A	
12.437	12.437	CULVERT	N/A	
12.505	12.505	CULVERT	N/A	
12.587	12.587	CULVERT	N/A	
12.618	12.618	CULVERT	N/A	
12.757	12.757	INTERSECTION	LEFT	RTE 204, SAVAGE RIVER CAMPGROUND ACCESS RD
12.762	12.784	PULLOUT	RIGHT	
12.763	12.777	CURB	RIGHT	
12.935	12.935	INTERSECTION	RIGHT	RTE 931, SAVAGE CABIN TRAILHEAD PARKING
13.001	13.001	CULVERT	N/A	
13.353	13.353	CULVERT	N/A	
13.441	13.441	CULVERT	N/A	
13.861	13.861	CULVERT	N/A	
13.965	13.965	CULVERT	N/A	
14.029	14.029	CULVERT	N/A	
14.226	14.265	PULLOUT	LEFT	
14.352	14.352	CULVERT	N/A	

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

## ***ROUTE 0010E : DENALI PARK ROAD - EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
14.524	14.524	CULVERT	N/A	
14.664	14.664	CULVERT	N/A	
14.700	14.700	INTERSECTION	RIGHT	RTE 906, SAVAGE RIVER EAST PARKING
14.749	14.811	BRIDGE	N/A	
14.750	14.813	GUARDRAIL	RIGHT	
14.751	14.809	GUARDRAIL	LEFT	
14.830	14.830	INTERSECTION	RIGHT	RTE 907, SAVAGE RIVER WEST PARKING
15.699	15.699	CULVERT	N/A	
15.810	15.810	CULVERT	N/A	
15.873	15.873	CULVERT	N/A	
15.935	15.935	CULVERT	N/A	
16.086	16.086	CULVERT	N/A	
16.170	16.170	CULVERT	N/A	
16.195	16.195	CULVERT	N/A	
16.260	16.260	CULVERT	N/A	
16.417	16.417	CULVERT	N/A	
16.457	16.457	CULVERT	N/A	
16.509	16.509	CULVERT	N/A	
16.772	16.772	CULVERT	N/A	
16.822	16.822	CULVERT	N/A	
16.838	16.838	CULVERT	N/A	
17.167	17.167	INTERSECTION	LEFT	RTE 908A OLD PRIMROSE PARKING
17.250	17.250	INTERSECTION	LEFT	RTE 908B OLD PRIMROSE PARKING
17.311	17.311	CULVERT	N/A	
17.348	17.348	CULVERT	N/A	

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

## ***ROUTE 0010E : DENALI PARK ROAD - EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
17.436	17.436	CULVERT	N/A	
17.590	17.590	CULVERT	N/A	
18.707	18.707	INTERSECTION	LEFT	
18.847	18.847	CULVERT	N/A	
18.931	18.931	CULVERT	N/A	
19.046	19.046	CULVERT	N/A	
19.165	19.165	CULVERT	N/A	
19.167	19.167	DROP INLET	RIGHT	
19.412	19.412	CULVERT	N/A	
19.646	19.646	INTERSECTION	LEFT	RTE 909 NEW PRIMROSE PARKING
19.703	19.703	INTERSECTION	LEFT	RTE 909 NEW PRIMROSE PARKING
20.158	20.158	CULVERT	N/A	
20.197	20.197	CULVERT	N/A	
20.360	20.360	CULVERT	N/A	
20.397	20.397	CULVERT	N/A	
20.461	20.461	CULVERT	N/A	
20.509	20.509	CULVERT	N/A	
20.559	20.559	CULVERT	N/A	
20.612	20.612	CULVERT	N/A	
20.724	20.724	CULVERT	N/A	
20.797	20.797	CULVERT	N/A	
20.922	20.922	CULVERT	N/A	
21.203	21.203	CULVERT	N/A	
21.347	21.347	CULVERT	N/A	
21.636	21.636	CULVERT	N/A	
22.450	22.450	CULVERT	N/A	

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

## ***ROUTE 0010E : DENALI PARK ROAD - EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
22.473	22.473	CULVERT	N/A	
22.548	22.548	CULVERT	N/A	
22.650	22.650	INTERSECTION	LEFT	RTE 205 SANCTUARY CG ACCESS
22.743	22.788	GUARDRAIL	RIGHT	
22.743	22.789	GUARDRAIL	LEFT	
22.744	22.783	BRIDGE	N/A	
22.929	22.929	CULVERT	N/A	
22.936	22.936	INTERSECTION	LEFT	
23.210	23.210	CULVERT	N/A	
23.389	23.389	CULVERT	N/A	
23.502	23.502	CULVERT	N/A	
23.587	23.587	CULVERT	N/A	
23.679	23.679	CULVERT	N/A	
23.806	23.806	CULVERT	N/A	
23.877	23.877	CULVERT	N/A	
24.002	24.002	CULVERT	N/A	
24.053	24.053	CULVERT	N/A	
24.141	24.141	CULVERT	N/A	
24.183	24.183	CULVERT	N/A	
24.208	24.208	CULVERT	N/A	
24.245	24.245	CULVERT	N/A	
24.304	24.304	CULVERT	N/A	
24.371	24.371	CULVERT	N/A	
24.424	24.424	CULVERT	N/A	
24.615	24.615	CULVERT	N/A	
24.636	24.636	CULVERT	N/A	
24.678	24.678	CULVERT	N/A	

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

## ***ROUTE 0010E : DENALI PARK ROAD - EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
24.724	24.724	CULVERT	N/A	
24.760	24.760	CULVERT	N/A	
24.797	24.797	CULVERT	N/A	
24.837	24.837	CULVERT	N/A	
25.256	25.256	CULVERT	N/A	
25.640	25.640	CULVERT	N/A	
25.819	25.819	INTERSECTION	RIGHT	RTE 942 11 MP PARKING
25.870	25.870	INTERSECTION	RIGHT	RTE 942 11 MP PARKING
26.244	26.244	CULVERT	N/A	
26.465	26.465	CULVERT	N/A	
26.882	26.882	CULVERT	N/A	
26.906	26.906	CULVERT	N/A	
27.021	27.021	CULVERT	N/A	
27.148	27.148	CULVERT	N/A	
27.212	27.212	INTERSECTION	LEFT	
27.242	27.242	CULVERT	N/A	
27.416	27.416	CULVERT	N/A	
27.614	27.614	CULVERT	N/A	
27.799	27.799	CULVERT	N/A	
27.952	27.952	CULVERT	N/A	
28.255	28.255	CULVERT	N/A	
28.360	28.360	CULVERT	N/A	
28.985	28.985	CULVERT	N/A	
29.030	29.030	CULVERT	N/A	
29.112	29.112	INTERSECTION	RIGHT	RTE 206 TEKLANIKA C G ACCESS ROAD
29.140	29.140	INTERSECTION	RIGHT	RTE 943A TEKLANIKA SHUTTLE STOP A

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

## ***ROUTE 0010E : DENALI PARK ROAD - EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
29.189	29.189	CULVERT	N/A	
29.277	29.277	CULVERT	N/A	
29.306	29.306	CULVERT	N/A	
29.502	29.502	CULVERT	N/A	
29.554	29.554	CULVERT	N/A	
29.965	29.965	CULVERT	N/A	
30.214	30.214	INTERSECTION	RIGHT	RTE 911 TEKLANIKA SHUTTLE/SHELTER PARKING
30.305	30.305	INTERSECTION	RIGHT	RTE 911 TEKLANIKA SHUTTLE/SHELTER PARKING
30.394	30.394	CULVERT	N/A	
30.544	30.544	CULVERT	N/A	
30.932	30.932	CULVERT	N/A	
31.230	31.299	GUARDRAIL	LEFT	
31.232	31.297	BRIDGE	N/A	
31.232	31.301	GUARDRAIL	RIGHT	
31.306	31.306	INTERSECTION	LEFT	RTE 952 TEKLANIKA RIVER UTILITY PARKING
31.568	31.568	CULVERT	N/A	
31.871	31.871	CULVERT	N/A	
32.382	32.382	CULVERT	N/A	
32.545	32.545	CULVERT	N/A	
32.888	32.888	CULVERT	N/A	
33.074	33.074	CULVERT	N/A	
33.214	33.214	CULVERT	N/A	
33.456	33.456	CULVERT	N/A	
33.562	33.562	CULVERT	N/A	
33.950	33.950	CULVERT	N/A	
34.019	34.019	INTERSECTION	RIGHT	

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

## ***ROUTE 0010E : DENALI PARK ROAD - EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
34.044	34.044	INTERSECTION	LEFT	RTE 207 IGLOO CAMPGROUND LOOP
34.048	34.048	INTERSECTION	RIGHT	RTE 941 IGLOO PIT
34.062	34.078	GUARDRAIL	LEFT	
34.063	34.078	BRIDGE	N/A	
34.065	34.079	GUARDRAIL	RIGHT	
34.992	34.992	CULVERT	N/A	
35.053	35.053	CULVERT	N/A	
35.110	35.110	CULVERT	N/A	
35.270	35.270	CULVERT	N/A	
35.319	35.319	CULVERT	N/A	
35.416	35.416	CULVERT	N/A	
35.437	35.437	CULVERT	N/A	
35.492	35.492	CULVERT	N/A	
35.563	35.563	CULVERT	N/A	
36.062	36.062	CULVERT	N/A	
36.122	36.122	CULVERT	N/A	
36.219	36.219	CULVERT	N/A	
36.361	36.361	CULVERT	N/A	
36.461	36.461	CULVERT	N/A	
36.610	36.610	CULVERT	N/A	
36.977	36.990	GUARDRAIL	LEFT	
36.979	36.988	BRIDGE	N/A	
36.979	36.990	GUARDRAIL	RIGHT	
37.481	37.481	CULVERT	N/A	
38.096	38.096	CULVERT	N/A	
38.197	38.197	CULVERT	N/A	
38.860	38.860	CULVERT	N/A	

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

## ***ROUTE 0010E : DENALI PARK ROAD - EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
39.477	39.477	CULVERT	N/A	
39.917	39.917	CULVERT	N/A	
39.975	39.975	CULVERT	N/A	
40.040	40.040			ROUTE ENDS AT SAVAGE RIVER MP (150) - PAVED

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

## ***ROUTE 0010W : DENALI PARK ROAD - WEST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT END OF ROUTE 0010E AT MP 400
40.281	40.281	CULVERT	N/A	
40.318	40.318	CULVERT	N/A	
40.368	40.368	CULVERT	N/A	
40.695	40.695	CULVERT	N/A	
40.829	40.829	CULVERT	N/A	
41.083	41.083	CULVERT	N/A	
41.451	41.451	CULVERT	N/A	
41.595	41.595	CULVERT	N/A	
41.988	42.013	BRIDGE	N/A	
41.988	42.018	GUARDRAIL	RIGHT	
42.367	42.367	CULVERT	N/A	
42.460	42.460	CULVERT	N/A	
42.623	42.623	CULVERT	N/A	
42.723	42.723	CULVERT	N/A	
42.963	42.963	INTERSECTION	LEFT	RTE 415, EAST FORK CABIN ROAD
43.000	43.000	INTERSECTION	LEFT	RTE 415 EAST FORK CABIN ROAD
43.314	43.365	GUARDRAIL	LEFT	
43.315	43.365	BRIDGE	N/A	
43.315	43.370	GUARDRAIL	RIGHT	
43.930	43.930	CULVERT	N/A	
44.724	44.724	CULVERT	N/A	
45.589	45.589	CULVERT	N/A	
46.286	46.286	CULVERT	N/A	
47.658	47.658	CULVERT	N/A	
47.971	47.971	CULVERT	N/A	

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

## ***ROUTE 0010W : DENALI PARK ROAD - WEST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
48.018	48.018	CULVERT	N/A	
48.287	48.287	CULVERT	N/A	
48.494	48.494	CULVERT	N/A	
48.613	48.613	CULVERT	N/A	
49.042	49.042	CULVERT	N/A	
49.152	49.152	CULVERT	N/A	
49.409	49.409	CULVERT	N/A	
49.612	49.612	CULVERT	N/A	
49.843	49.843	CULVERT	N/A	
49.896	49.896	CULVERT	N/A	
50.012	50.012	CULVERT	N/A	
50.221	50.221	CULVERT	N/A	
50.302	50.302	CULVERT	N/A	
50.387	50.387	CULVERT	N/A	
50.475	50.475	CULVERT	N/A	
50.550	50.550	CULVERT	N/A	
50.635	50.635	CULVERT	N/A	
50.803	50.803	CULVERT	N/A	
50.915	50.915	CULVERT	N/A	
51.276	51.276	CULVERT	N/A	
51.605	51.605	CULVERT	N/A	
51.670	51.670	CULVERT	N/A	
51.704	51.704	CULVERT	N/A	
51.790	51.790	CULVERT	N/A	
51.852	51.852	CULVERT	N/A	
51.932	51.932	CULVERT	N/A	
52.422	52.422	INTERSECTION	RIGHT	RTE 945 TOKLAT BRIDGE LOOP PARKING

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

## ***ROUTE 0010W : DENALI PARK ROAD - WEST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
52.568	52.568	INTERSECTION	RIGHT	RTE 945 TOKLAT BRIDGE LOOP PARKING
53.075	53.156	BRIDGE	N/A	
53.077	53.159	GUARDRAIL	RIGHT	
53.078	53.155	GUARDRAIL	LEFT	
53.381	53.461	BRIDGE	N/A	
53.383	53.460	GUARDRAIL	LEFT	
53.385	53.462	GUARDRAIL	RIGHT	
53.476	53.476	INTERSECTION	RIGHT	RTE 416 TOKLAT MAINTENANCE CAMP ROAD
53.597	53.597	INTERSECTION	RIGHT	
53.964	53.964	CULVERT	N/A	
54.183	54.183	CULVERT	N/A	
54.362	54.362	CULVERT	N/A	
54.561	54.561	CULVERT	N/A	
54.658	54.658	CULVERT	N/A	
54.905	54.905	CULVERT	N/A	
54.990	54.990	CULVERT	N/A	
55.159	55.159	CULVERT	N/A	
55.298	55.298	CULVERT	N/A	
55.585	55.585	CULVERT	N/A	
55.614	55.614	CULVERT	N/A	
55.787	55.787	CULVERT	N/A	
55.924	55.924	CULVERT	N/A	
56.088	56.088	CULVERT	N/A	
56.208	56.208	CULVERT	N/A	
56.294	56.294	CULVERT	N/A	
56.366	56.366	CULVERT	N/A	

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

## ***ROUTE 0010W : DENALI PARK ROAD - WEST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
56.510	56.510	CULVERT	N/A	
56.626	56.626	CULVERT	N/A	
56.812	56.812	CULVERT	N/A	
57.029	57.029	CULVERT	N/A	
57.098	57.098	CULVERT	N/A	
57.221	57.221	CULVERT	N/A	
57.243	57.243	CULVERT	N/A	
57.261	57.261	CULVERT	N/A	
57.497	57.497	CULVERT	N/A	
57.621	57.621	CULVERT	N/A	
57.667	57.667	CULVERT	N/A	
57.874	57.874	CULVERT	N/A	
57.893	57.893	CULVERT	N/A	
58.035	58.035	CULVERT	N/A	
58.088	58.088	CULVERT	N/A	
58.177	58.177	CULVERT	N/A	
58.664	58.664	CULVERT	N/A	
58.760	58.760	CULVERT	N/A	
58.932	58.932	CULVERT	N/A	
59.206	59.206	CULVERT	N/A	
59.682	59.682	CULVERT	N/A	
59.833	59.833	CULVERT	N/A	
60.062	60.062	CULVERT	N/A	
60.463	60.489	GUARDRAIL	LEFT	
60.463	60.492	GUARDRAIL	RIGHT	
60.466	60.487	BRIDGE	N/A	
60.585	60.585	CULVERT	N/A	

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

## ***ROUTE 0010W : DENALI PARK ROAD - WEST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
60.664	60.664	CULVERT	N/A	
60.693	60.693	CULVERT	N/A	
60.745	60.745	CULVERT	N/A	
60.936	60.936	CULVERT	N/A	
60.957	60.957	CULVERT	N/A	
61.026	61.026	CULVERT	N/A	
61.206	61.206	CULVERT	N/A	
61.309	61.309	CULVERT	N/A	
61.370	61.370	CULVERT	N/A	
61.394	61.394	CULVERT	N/A	
61.454	61.454	CULVERT	N/A	
61.507	61.507	CULVERT	N/A	
61.544	61.544	CULVERT	N/A	
61.616	61.616	CULVERT	N/A	
61.634	61.634	CULVERT	N/A	
61.681	61.681	CULVERT	N/A	
61.803	61.803	CULVERT	N/A	
61.856	61.856	CULVERT	N/A	
61.935	61.935	INTERSECTION	LEFT	RTE 913 STONEY OVERLOOK PARKING
62.133	62.133	CULVERT	N/A	
62.166	62.166	CULVERT	N/A	
62.236	62.236	CULVERT	N/A	
62.278	62.278	CULVERT	N/A	
62.405	62.405	CULVERT	N/A	
62.511	62.511	CULVERT	N/A	
62.567	62.567	CULVERT	N/A	
62.715	62.715	CULVERT	N/A	

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

## ***ROUTE 0010W : DENALI PARK ROAD - WEST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
62.827	62.827	CULVERT	N/A	
62.847	62.847	CULVERT	N/A	
62.861	62.861	CULVERT	N/A	
62.991	62.991	CULVERT	N/A	
63.052	63.052	CULVERT	N/A	
63.304	63.304	CULVERT	N/A	
63.456	63.456	CULVERT	N/A	
63.607	63.607	CULVERT	N/A	
63.622	63.622	CULVERT	N/A	
63.671	63.671	CULVERT	N/A	
63.840	63.840	CULVERT	N/A	
63.898	63.898	CULVERT	N/A	
64.249	64.249	CULVERT	N/A	
64.538	64.538	CULVERT	N/A	
64.582	64.582	CULVERT	N/A	
64.846	64.846	CULVERT	N/A	
64.922	64.922	CULVERT	N/A	
65.123	65.123	CULVERT	N/A	
65.720	65.720	CULVERT	N/A	
65.773	65.773	CULVERT	N/A	
65.853	65.853	CULVERT	N/A	
65.862	65.862	INTERSECTION	LEFT	
65.934	65.934	INTERSECTION	LEFT	RTE 914 EIELSON VISITOR CENTER PARKING
66.003	66.003	CULVERT	N/A	
66.064	66.064	CULVERT	N/A	
66.138	66.138	CULVERT	N/A	
66.311	66.311	CULVERT	N/A	

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

## ***ROUTE 0010W : DENALI PARK ROAD - WEST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
66.527	66.527	CULVERT	N/A	
66.562	66.562	CULVERT	N/A	
66.995	66.995	CULVERT	N/A	
67.389	67.389	CULVERT	N/A	
67.396	67.396	CULVERT	N/A	
67.669	67.669	CULVERT	N/A	
68.478	68.478	CULVERT	N/A	
68.574	68.574	CULVERT	N/A	
68.626	68.626	CULVERT	N/A	
68.667	68.667	CULVERT	N/A	
68.837	68.837	CULVERT	N/A	
68.988	68.988	CULVERT	N/A	
69.083	69.083	CULVERT	N/A	
69.526	69.526	CULVERT	N/A	
69.678	69.678	CULVERT	N/A	
69.817	69.817	CULVERT	N/A	
69.880	69.880	CULVERT	N/A	
70.141	70.141	CULVERT	N/A	
70.180	70.180	INTERSECTION	LEFT	
70.485	70.485	CULVERT	N/A	
70.856	70.856	CULVERT	N/A	
71.102	71.102	CULVERT	N/A	
71.655	71.655	CULVERT	N/A	
71.896	71.896	CULVERT	N/A	
72.372	72.372	CULVERT	N/A	
72.586	72.586	CULVERT	N/A	
72.668	72.668	CULVERT	N/A	

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

## ***ROUTE 0010W : DENALI PARK ROAD - WEST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
72.900	72.900	CULVERT	N/A	
72.969	72.969	CULVERT	N/A	
73.101	73.101	CULVERT	N/A	
73.259	73.259	CULVERT	N/A	
73.412	73.412	CULVERT	N/A	
73.473	73.473	CULVERT	N/A	
73.686	73.686	CULVERT	N/A	
73.766	73.766	CULVERT	N/A	
73.831	73.831	CULVERT	N/A	
73.914	73.914	CULVERT	N/A	
74.012	74.012	CULVERT	N/A	
74.250	74.250	CULVERT	N/A	
74.486	74.486	CULVERT	N/A	
74.644	74.644	INTERSECTION	RIGHT	RTE 946 602 MP PARKING
74.944	74.944	CULVERT	N/A	
75.177	75.177	CULVERT	N/A	
75.231	75.231	CULVERT	N/A	
75.379	75.379	CULVERT	N/A	
75.391	75.391	CULVERT	N/A	
75.533	75.533	CULVERT	N/A	
75.637	75.637	CULVERT	N/A	
75.899	75.899	CULVERT	N/A	
76.504	76.504	CULVERT	N/A	
76.572	76.572	CULVERT	N/A	
76.619	76.619	INTERSECTION	RIGHT	
76.807	76.807	CULVERT	N/A	
77.291	77.291	CULVERT	N/A	

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## ***ROUTE 0010W : DENALI PARK ROAD - WEST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
77.462	77.462	CULVERT	N/A	
77.521	77.521	INTERSECTION	LEFT	RTE 947 631 MP PARKING
77.601	77.601	CULVERT	N/A	
77.955	77.955	CULVERT	N/A	
78.898	78.898	CULVERT	N/A	
79.022	79.022	CULVERT	N/A	
79.206	79.206	INTERSECTION	RIGHT	RTE 948 648 MP PARKING
79.690	79.690	CULVERT	N/A	
80.028	80.028	CULVERT	N/A	
80.491	80.491	CULVERT	N/A	
81.617	81.617	CULVERT	N/A	
81.874	81.874	CULVERT	N/A	
83.413	83.413	CULVERT	N/A	
83.981	83.981	CULVERT	N/A	
84.436	84.436	INTERSECTION	RIGHT	RTE 103 WONDER LAKE CG ACCESS ROAD
84.584	84.584	INTERSECTION	RIGHT	RTE WONDER LAKE RANGER STATION
84.747	84.747	CULVERT	N/A	
85.283	85.283	INTERSECTION	LEFT	RTE 951 REFLECTION POND PARKING
85.409	85.409	CULVERT	N/A	
86.205	86.205	CULVERT	N/A	
86.357	86.357	CULVERT	N/A	
86.495	86.495	INTERSECTION	RIGHT	RTE 950 WONDER LAKE RANGER STATION PARKING 2
86.508	86.508	INTERSECTION	RIGHT	RTE 950 WONDER LAKE RANGER STATION PARKING 2
86.636	86.636	CULVERT	N/A	
87.075	87.075	INTERSECTION	LEFT	

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

## ***ROUTE 0010W : DENALI PARK ROAD - WEST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
87.166	87.166	CULVERT	N/A	
87.493	87.493	CULVERT	N/A	
87.512	87.512	INTERSECTION	RIGHT	RTE 952 72 MP PARKING
87.765	87.765	INTERSECTION	LEFT	
87.845	87.845	CULVERT	N/A	
88.134	88.134	CULVERT	N/A	
88.804	88.804	INTERSECTION	RIGHT	
88.878	88.878	INTERSECTION	LEFT	
88.971	89.006	BRIDGE	N/A	
88.971	89.010	GUARDRAIL	RIGHT	
88.972	89.010	GUARDRAIL	LEFT	
89.066	89.066	INTERSECTION	RIGHT	
89.286	89.286	CULVERT	N/A	
89.550	89.550	CULVERT	N/A	
89.734	89.734	CULVERT	N/A	
89.806	89.806	CULVERT	N/A	
89.882	89.882	CULVERT	N/A	
89.993	89.993	CULVERT	N/A	
90.085	90.085	CULVERT	N/A	
90.167	90.167	CULVERT	N/A	
90.267	90.267	CULVERT	N/A	
90.622	90.622	CULVERT	N/A	
90.646	90.646	CULVERT	N/A	
90.753	90.753	INTERSECTION	LEFT	
90.793	90.793	CULVERT	N/A	
91.187	91.187	CULVERT	N/A	
91.332	91.332	CULVERT	N/A	

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

## ***ROUTE 0010W : DENALI PARK ROAD - WEST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
92.201	92.201	INTERSECTION	LEFT	
92.205	92.205	CULVERT	N/A	
92.443	92.443	INTERSECTION	RIGHT	
92.491	92.491	INTERSECTION	LEFT	
92.510	92.510	CULVERT	N/A	
92.520	92.520			ROUTE ENDS AT KANTISHNA AIRSTRIP (END)
92.531	92.531	INTERSECTION	LEFT	

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

## ***ROUTE 0100 : RILEY CREEK CAMPGROUND ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0222
0.001	0.001	INTERSECTION	LEFT	ROUTE 0222
0.006	0.006	INTERSECTION	RIGHT	
0.127	0.127	INTERSECTION	LEFT	ROUTE 0010E
0.152	0.152	INTERSECTION	RIGHT	RTE 927, RILEY CREEK CAMPGROUND ACCESS PARKING
0.159	0.159	INTERSECTION	RIGHT	RTE 200C, RILEY CREEK CAMPGROUND LOOP C
0.166	0.166	INTERSECTION	LEFT	RTE 929B, RILEY CREEK SHUTTLE STOPS A & B
0.189	0.189	INTERSECTION	RIGHT	RTE 929A, RILEY CREEK SHUTTLE STOPS A & B
0.197	0.197	CULVERT	N/A	
0.210	0.210			ROUTE ENDS AT ROUTE 0916
0.212	0.212	INTERSECTION	RIGHT	RTE 200B, RILEY CREEK CAMPGROUND LOOP B
0.226	0.226	INTERSECTION	LEFT	RTE 929B, RILEY CREEK SHUTTLE STOPS A & B
0.249	0.249	INTERSECTION	RIGHT	RTE 929A, RILEY CREEK SHUTTLE STOPS A & B
0.270	0.270	INTERSECTION	LEFT	RTE 928, RILEY CREEK POST OFFICE PARKING
0.270	0.270	INTERSECTION	RIGHT	RTE 200A, RILEY CREEK CAMPGROUND LOOP A

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

## ***ROUTE 0201 : VISITOR ACCESS CENTER ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0010E MP 075
0.003	0.003	INTERSECTION	LEFT	ROUTE 0010E
0.054	0.054	INTERSECTION	RIGHT	RTE 901C, VISITOR CENTER UPPER PKG C
0.099	0.099	INTERSECTION	RIGHT	RTE 901B, VISITOR CENTER UPPER PKG B
0.125	0.125	INTERSECTION	RIGHT	
0.247	0.247	INTERSECTION	RIGHT	RTE 901A, VISITOR CENTER UPPER PKG A
0.281	0.281	INTERSECTION	LEFT	RTE 900, VISITOR CENTER LOWER PARKING
0.290	0.290			ROUTE ENDS AT ROUTE 0900
0.292	0.292	INTERSECTION	RIGHT	RTE 900, VISITOR CENTER LOWER PARKING

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

## ***ROUTE 0203 : HEADQUARTERS ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0010E MP 34
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0010E
0.015	0.015	INTERSECTION	RIGHT	RTE 910, HEADQUARTERS SHUTTLE STOP PARKING
0.074	0.074	INTERSECTION	LEFT	RTE 905C, HEADQUARTERS PARKING
0.079	0.079	INTERSECTION	RIGHT	RTE 408, HEADQUARTERS ADMINISTRATION ACCESS RD
0.079	0.079	INTERSECTION	RIGHT	RTE 905A, HEADQUARTERS PARKING
0.090	0.090	INTERSECTION	RIGHT	RTE 905B HEADQUARTERS PARKING
0.104	0.104	INTERSECTION	LEFT	RTE 407, HEADQUARTERS HOUSING AREA RD
0.110	0.110			ROUTE ENDS AT END OF PAVEMENT

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

## ***ROUTE 0222 : MERCANTILE ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0010E AT MP 04 LEFT
0.009	0.009	INTERSECTION	LEFT	ROUTE 0010E
0.013	0.030	CURB	LEFT	
0.037	0.037	INTERSECTION	LEFT	RTE 222 MERCANTILE ACCESS ROAD
0.077	0.077	CULVERT	N/A	
0.157	0.157	INTERSECTION	LEFT	RTE 423 MERCANTILE SERVICE ROAD
0.240	0.244	CURB	LEFT	
0.241	0.243	CURB	RIGHT	
0.248	0.248	INTERSECTION	RIGHT	RTE 971 MERCANTILE DUMP PARKING
0.249	0.249	INTERSECTION	LEFT	RTE 971 MERCANTILE DUMP PARKING
0.262	0.262	INTERSECTION	LEFT	RTE 423 MERCANTILE SERVICE ROAD
0.262	0.262	INTERSECTION	RIGHT	RTE 423 MERCANTILE SERVICE ROAD
0.274	0.274	INTERSECTION	RIGHT	RTE 972 MERCANTILE STORE PARKING
0.302	0.302	INTERSECTION	RIGHT	RTE 972 MERCANTILE STORE PARKING
0.338	0.338	INTERSECTION	RIGHT	RTE 972 MERCANTILE STORE PARKING
0.345	0.350	CURB	RIGHT	
0.351	0.351	INTERSECTION	RIGHT	RTE 423 MERCANTILE SERVICE ROAD
0.363	0.363	INTERSECTION	LEFT	RTE 222 MERCANTILE ACCESS ROAD
0.363	0.363	INTERSECTION	RIGHT	RTE 222 MERCANTILE ACCESS ROAD
0.406	0.406	INTERSECTION	LEFT	ROUTE 0010E
0.409	0.409	INTERSECTION	RIGHT	ROUTE 0010E

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

## ***ROUTE 0222 : MERCANTILE ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.410	0.410			ROUTE ENDS AT AROUND LOOP TO ROUTE 0010E

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

## ***ROUTE 0405 : 'C' CAMP RESIDENCE & MAINTENANCE ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0010E AT MP 305
0.007	0.007	INTERSECTION	RIGHT	ROUTE 0010E
0.047	0.047	INTERSECTION	LEFT	RTE 418, C CAMP RESIDENCE ROAD
0.062	0.062	INTERSECTION	RIGHT	RTE 937C, C CAMP RESIDENCE PARKING C
0.135	0.135	INTERSECTION	LEFT	RTE 937A, 'C' CAMP FUEL LOT PARKING
0.145	0.145	INTERSECTION	RIGHT	RTE 935A C CAMP FUEL LOT PARKING
0.167	0.167	INTERSECTION	RIGHT	RTE 935B, C CAMP FUEL LOT PARKING
0.185	0.185	INTERSECTION	LEFT	RTE 933 C CAMP MAINTENANCE PARKING
0.190	0.190			ROUTE ENDS AT MAINTENANCE LOT

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

## ***ROUTE 0407 : HEADQUARTERS HOUSING AREA ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0010E
0.005	0.005	INTERSECTION	LEFT	ROUTE 0010E
0.035	0.035	INTERSECTION	RIGHT	RTE 407A, HEADQUARTERS HOUSING AREA RD LOOP A
0.060	0.060	INTERSECTION	LEFT	RTE 407A, HEADQUARTERS HOUSING AREA ROAD LOOP A
0.070	0.070	INTERSECTION	RIGHT	RTE 407A, HEADQUARTERS HOUSING AREA RD LOOP A
0.124	0.124	INTERSECTION	LEFT	RTE 407A, HEADQUARTERS HOUSING AREA ROAD LOOP A
0.151	0.151	INTERSECTION	RIGHT	
0.165	0.165	CULVERT	N/A	
0.200	0.200			ROUTE ENDS AT ROUTE 0203
0.201	0.201	INTERSECTION	LEFT	ROUTE 0203
0.201	0.201	INTERSECTION	RIGHT	ROUTE 0203

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

## ***ROUTE 0407A : HEADQUARTERS HOUSING AREA ROAD A***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0407, CROSS OVER ROUTE 0407
0.010	0.010	INTERSECTION	LEFT	RTE 407 HEADQUARTERS HOUSING AREA
0.046	0.046	INTERSECTION	RIGHT	
0.060	0.060	INTERSECTION	RIGHT	RTE 407B HEADQUARTERS HOUSING AREA ROAD LOOP B
0.155	0.155	INTERSECTION	LEFT	RTE 407 HEADQUARTERS HOUSING AREA ROAD
0.158	0.158	INTERSECTION	RIGHT	RTE 407 HEADQUARTERS HOUSING AREA ROAD
0.220	0.220			ROUTE ENDS AT END OF PAVEMENT
0.224	0.224	INTERSECTION	RIGHT	RTE 407 HEADQUARTERS HOUSING AREA

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

## ***ROUTE 0407B : HEADQUARTERS HOUSING AREA ROAD B***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0407A
0.005	0.005	INTERSECTION	RIGHT	ROUTE 0407A
0.060	0.060			ROUTE ENDS AT END OF PAVEMENT

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

## ***ROUTE 0408 : HEADQUARTERS ADMINISTRATION ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0010E AT MP 36
0.009	0.009	INTERSECTION	RIGHT	RTE 010E DENALI PARK ROAD - EAST
0.103	0.103	INTERSECTION	RIGHT	RTE 956, KENNEL SHUTTLE PARKING
0.148	0.148	INTERSECTION	LEFT	RTE 905A HEADQUARTERS PARKING
0.189	0.189	INTERSECTION	RIGHT	RTE 905B HEADQUARTERS PARKING
0.200	0.200			ROUTE ENDS AT ROUTE 0203
0.201	0.201	INTERSECTION	RIGHT	RTE 203 HEADQUARTERS ACCESS ROAD

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

## ***ROUTE 0423 : MERCANTILE SERVICE ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0222
0.007	0.007	INTERSECTION	RIGHT	RTE 222 MERCANTILE ACCESS ROAD
0.022	0.022	INTERSECTION	RIGHT	RTE 222 MERCANTILE ACCESS ROAD
0.031	0.031	INTERSECTION	LEFT	RTE 222 MERCANTILE ACCESS ROAD
0.036	0.036	INTERSECTION	LEFT	RTE 972 MERCANTILE STORE PARKING
0.117	0.117	INTERSECTION	LEFT	RTE 972 MERCANTILE STORE PARKING
0.130	0.130			ROUTE ENDS AT ROUTE 0222
0.137	0.137	INTERSECTION	LEFT	RTE 222 MERCANTILE ACCESS ROAD

## APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

<b>TERM OR ABBREVIATION</b>	<b>DESCRIPTION OR DEFINITION</b>
9830	Numeric Code for Denali National Park and Preserve
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
CRS	Condition Rating Sheets. (Section 5)
DENA	Alpha Code for Denali National Park and Preserve
Drainage Condition Rating	A visual rating (Good, Poor) of the drainage condition. (see Section 10)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value between 61 and 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value between 85 and 94
IRI	International Roughness Index
Lane Width	Distance from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MRR	Manually Rated Route
NA	Not Applicable
NC	Not Collected
Paved Width	Distance from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (see Section 10)

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

## APPENDIX B: DESCRIPTION OF RATING SYSTEM

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

Data is collected on the following distresses and conditions:

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

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

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

### Rating Index Formulas

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

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

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

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

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

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

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

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

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

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

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

**Surface Condition Distresses- Chip Seal:**

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

**Ratings - Chip Seal:**

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

**Surface Condition - Asphalt:**

- Cracking of any type
- Rutting
- Potholes/Patching

**Ratings - Asphalt:**

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

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

Excellent	97
Good	90
Fair	73
Poor	45

### Drainage Condition Rating Definitions

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

### Drainage Condition Rating Criteria

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

#### **Good Drainage**

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

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

#### **Poor Drainage**

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

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

### Shoulder Condition Rating Definitions

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

### **Shoulder Rating Criteria**

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

#### **Good Shoulders**

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

#### **Poor Shoulder**

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

## **APPENDIX C: DIGITAL IMAGE INFORMATION**

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

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

## APPENDIX D: METADATA

### ARAN ROUTE GPS DATA

Background information of route spatial data.

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

**Data Collection Device:**

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

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

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

**Geographic Datum:** WGS 1984

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

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

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

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

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

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

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

### Specific Caveats

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

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

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

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

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

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

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

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

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

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

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

## Access Database Metadata

### Master Table Metadata:

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

**PMS\_Feature Table Metadata:**

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
RIP_CYCLE	X	3, for data collection cycle 3	Route ID Meeting	FHWA Determination	100%
STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	Untested
PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	Untested
RTE_NO	XXXXXXXX	Route number	Route ID Meeting	Park Input/FHWA Classification	Untested
FUNCT_CLAS	X	Route functional class	Route ID Meeting	Park Input/FHWA Classification	Untested
DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
MP	999.999 (miles)	Feature location along route	ARAN Data Collection/Contractor Post-processing	Survey Crew Input/Video Processing	Untested (4)
EVENT	XXXX	Event category of feature	Contractor Post-processing	Video Processing	Untested
EVENT_CODE	XXXX	Event sub-category of feature	Contractor Post-processing	Video Processing	Untested
EVENT_DESC	(Text)	Description of feature/contents of sign	Contractor Post-processing	Video Processing	Untested
MUTCD	"N/A"	N/A. Intended to be sign MUTCD code	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
CONDITION	XXX	Sign condition (G-D, F-R, P-R, N/A)	Contractor Post-processing	Video Processing	Untested (5)
COMMENT	(Text)	Sign label, intersecting route, etc.	Contractor Post-processing	Database Processing	Untested
OFFSET	"N/A"	N/A. Intended to be offset from pavement edge	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
SIDE	XXX	Side of route; "N/A" if not on one side	Contractor Post-processing	Video Processing	Untested
STR_NUMBER	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





# dena\_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:* dena\_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:* 8/17/2002

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

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

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -148.966649

*East\_Bounding\_Coordinate:* -148.893622

*North\_Bounding\_Coordinate:* 63.733522

*South\_Bounding\_Coordinate:* 63.721190

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DENA

*Theme\_Keyword:* DENA

*Access\_Constraints:* None

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

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

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

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

*Native\_Data\_Set\_Environment:*

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

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for parking areas

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

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

*SDTS\_Terms\_Description:*

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

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

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000000

*Longitude\_Resolution:* 0.000000

*Geographic\_Coordinate\_Units:* Decimal degrees

*Geodetic\_Model:*

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

*Ellipsoid\_Name:* Clarke 1866

*Semi-major\_Axis:* 6378206.400000

*Denominator\_of\_Flattening\_Ratio:* 294.978698

---

*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* dena\_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

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*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.037

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20060124

*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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# dena\_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:* dena\_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:* 8/17/2002

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

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

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -148.966649

*East\_Bounding\_Coordinate:* -148.893622

*North\_Bounding\_Coordinate:* 63.733522

*South\_Bounding\_Coordinate:* 63.721190

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DENA

*Theme\_Keyword:* DENA

*Access\_Constraints:* None

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

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

##### *Contact\_Information:*

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

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

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

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*Spatial\_Data\_Organization\_Information:**Direct\_Spatial\_Reference\_Method:* Vector*Point\_and\_Vector\_Object\_Information:**SDTS\_Terms\_Description:**SDTS\_Point\_and\_Vector\_Object\_Type:* String*Point\_and\_Vector\_Object\_Count:* 5

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

*Entity\_and\_Attribute\_Information:**Detailed\_Description:**Entity\_Type:**Entity\_Type\_Label:* dena\_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

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*Distribution\_Information:**Resource\_Description:* Downloadable Data*Standard\_Order\_Process:**Digital\_Form:**Digital\_Transfer\_Information:**Transfer\_Size:* 0.037

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*Metadata\_Reference\_Information:**Metadata\_Date:* 20060124*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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# dena\_mrp\_03\_map

Metadata also available as

## Metadata:

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

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Eastern Federal Lands Highway Division

*Publication\_Date:* Unknown

*Title:* dena\_mrp\_03\_map

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

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Manually Rated Roads - Polygons

*Purpose:* Road Inventory Program

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

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

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

*Calendar\_Date:* 8/17/2002

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

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

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -148.890734

*East\_Bounding\_Coordinate:* -148.887533

*North\_Bounding\_Coordinate:* 63.731395

*South\_Bounding\_Coordinate:* 63.730837

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DENA

*Theme\_Keyword:* DENA

*Access\_Constraints:* None

*Use\_Constraints:* None

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

##### *Contact\_Information:*

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

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

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

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*Spatial\_Data\_Organization\_Information:**Direct\_Spatial\_Reference\_Method:* Vector*Point\_and\_Vector\_Object\_Information:**SDTS\_Terms\_Description:**SDTS\_Point\_and\_Vector\_Object\_Type:* G-polygon*Point\_and\_Vector\_Object\_Count:* 1

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

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

Sequential unique whole numbers that are automatically generated.

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

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

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*Metadata\_Reference\_Information:**Metadata\_Date:* 20060124*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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# dena\_mrp\_03

Metadata also available as

## Metadata:

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

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Eastern Federal Lands Highway Division

*Publication\_Date:* Unknown

*Title:* dena\_mrp\_03

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

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Manually Rated Roads - Polygons

*Purpose:* Road Inventory Program

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

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

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

*Calendar\_Date:* 8/17/2002

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

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

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -148.890734

*East\_Bounding\_Coordinate:* -148.887533

*North\_Bounding\_Coordinate:* 63.731395

*South\_Bounding\_Coordinate:* 63.730837

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DENA

*Theme\_Keyword:* DENA

*Access\_Constraints:* None

*Use\_Constraints:* None

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

##### *Contact\_Information:*

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

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

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*Data\_Quality\_Information:**Attribute\_Accuracy:**Attribute\_Accuracy\_Report:* Good*Completeness\_Report:* Complete for manually rated roads.*Lineage:**Source\_Information:**Type\_of\_Source\_Media:* GPS*Spatial\_Data\_Organization\_Information:**Direct\_Spatial\_Reference\_Method:* Vector*Point\_and\_Vector\_Object\_Information:**SDTS\_Terms\_Description:**SDTS\_Point\_and\_Vector\_Object\_Type:* G-polygon*Point\_and\_Vector\_Object\_Count:* 1*Spatial\_Reference\_Information:**Horizontal\_Coordinate\_System\_Definition:**Geographic:**Latitude\_Resolution:* 0.000000*Longitude\_Resolution:* 0.000000*Geographic\_Coordinate\_Units:* Decimal degrees*Geodetic\_Model:**Horizontal\_Datum\_Name:* North American Datum of 1927*Ellipsoid\_Name:* Clarke 1866*Semi-major\_Axis:* 6378206.400000*Denominator\_of\_Flattening\_Ratio:* 294.978698

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

Sequential unique whole numbers that are automatically generated.

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

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

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*Metadata\_Reference\_Information:**Metadata\_Date:* 20060124*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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# dena\_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:* dena\_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:* 8/17/2002

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

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

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -150.893694

*East\_Bounding\_Coordinate:* -148.885977

*North\_Bounding\_Coordinate:* 63.740187

*South\_Bounding\_Coordinate:* 63.431050

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DENA

*Theme\_Keyword:* DENA

*Access\_Constraints:* None

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

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Dan VanGilder

*Contact\_Organization:* EFLHD

*Contact\_Position:* GIS Coordinator

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 21400 Ridgetop Circle

*City:* Sterling

*State\_or\_Province:* Virginia

*Postal\_Code:* 20166

*Country:* United States

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

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

*Native\_Data\_Set\_Environment:*

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

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for parking areas

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

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

*SDTS\_Terms\_Description:*

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

*Point\_and\_Vector\_Object\_Count:* 73

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Geographic:*

*Latitude\_Resolution:* 0.000000

*Longitude\_Resolution:* 0.000000

*Geographic\_Coordinate\_Units:* Decimal degrees

*Geodetic\_Model:*

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

*Ellipsoid\_Name:* Clarke 1866

*Semi-major\_Axis:* 6378206.400000

*Denominator\_of\_Flattening\_Ratio:* 294.978698

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* dena\_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

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

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*Metadata\_Reference\_Information:**Metadata\_Date:* 20060124*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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Generated by [mp](#) version 2.7.33 on Tue Jan 24 10:05:44 2006

# dena\_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:* dena\_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:* 8/17/2002

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

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

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -150.893694

*East\_Bounding\_Coordinate:* -148.885977

*North\_Bounding\_Coordinate:* 63.740187

*South\_Bounding\_Coordinate:* 63.431050

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* DENA

*Theme\_Keyword:* DENA

#### *Access\_Constraints:* None

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

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

##### *Contact\_Information:*

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

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

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

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*Spatial\_Data\_Organization\_Information:**Direct\_Spatial\_Reference\_Method:* Vector*Point\_and\_Vector\_Object\_Information:**SDTS\_Terms\_Description:**SDTS\_Point\_and\_Vector\_Object\_Type:* G-polygon*Point\_and\_Vector\_Object\_Count:* 73

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

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

Sequential unique whole numbers that are automatically generated.

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

*Attribute\_Definition:* Feature area in square feet

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*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.018

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20060124

*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

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*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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