



**The Road Inventory
of
Grand Canyon National Park
GRCA – 8210
Volume 1**



national park service



Road Inventory Program

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



Grand Canyon National Park in Arizona





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INTRODUCTION

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

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

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

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

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

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

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

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

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

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

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

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Grand Canyon National Park Summaries

Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
Paved ARAN Driven Route Miles	105.70	6/26/2003
Unpaved Estimated Route Miles	123.84	6/26/2003
Paved ARAN and Unpaved Route Miles	229.54	
Paved ARAN Driven Lane Miles	198.43	6/26/2003
Paved MRR Lane Miles	0.37	6/26/2003
Parking Lot Lane Miles	44.36	6/26/2003
Total Paved Lane Miles	243.16	

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)

Grand Canyon National Park Summaries

Cost to Improve to "Excellent" Condition

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

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

Existing Condition	Existing Miles	Estimated Cost to Improve
Excellent	6.22	\$186,600
Good	6.74	\$741,400
Fair	42.56	\$23,833,600
Poor	50.18	\$77,277,200
Totals	105.70	\$102,038,800

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).

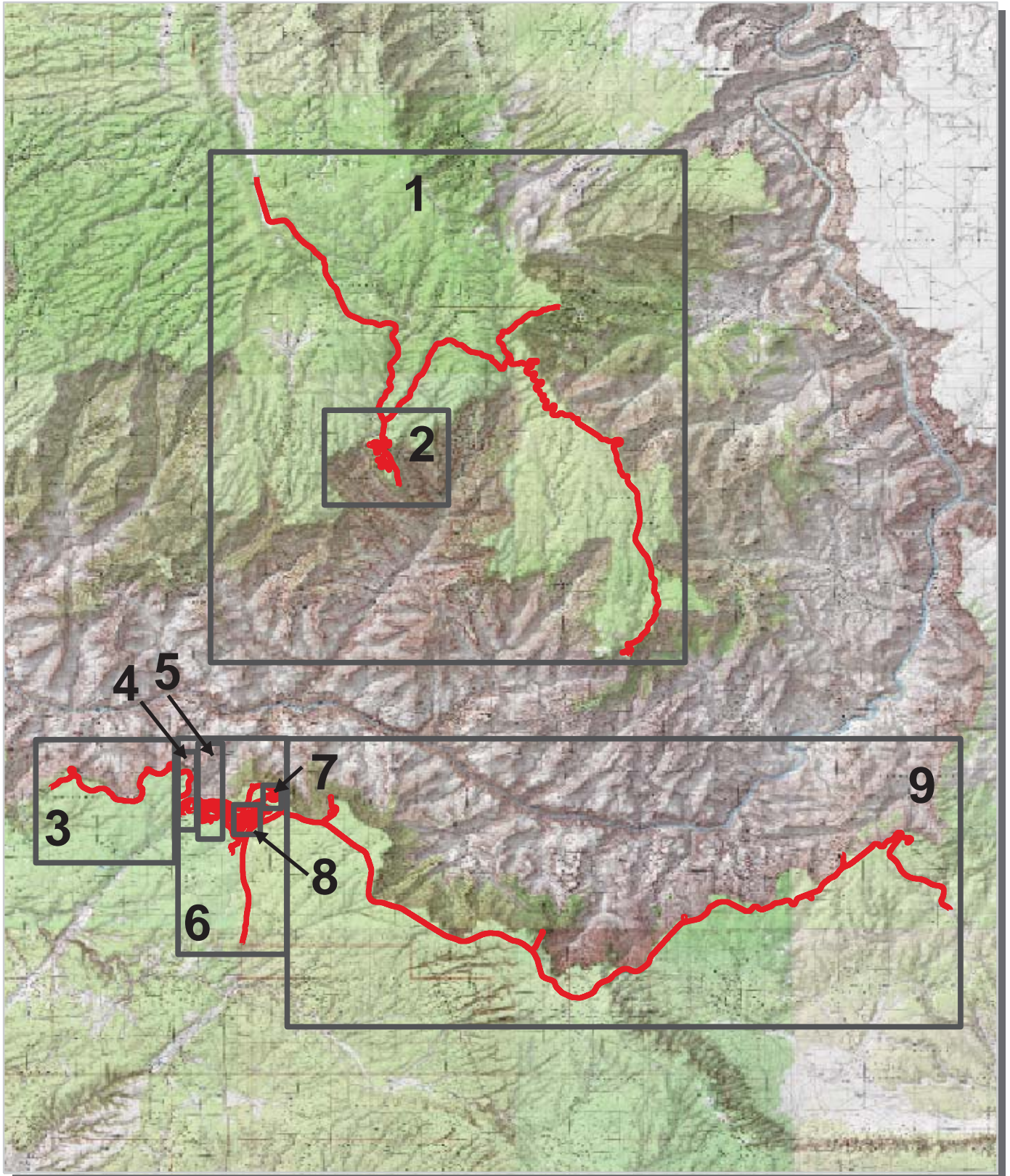
These numbers are for preliminary planning purposes only and should not be used for project level proposals. For park planning level analysis, apply your park multiplier for more accurate regional costs.

Grand Canyon National Park Summaries

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

F.C.	Pavement Condition Rating								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	27.32	25.85%	38.20	36.14%	6.08	5.75%	6.02	5.70%	77.62
2	3.62	3.42%	1.14	1.08%	0.22	0.21%	0.08	0.08%	5.06
3	10.45	9.89%	0.86	0.81%	0.08	0.08%			11.39
4									
5	8.79	8.32%	2.36	2.23%	0.36	0.34%	0.12	0.11%	11.63
6									
7									
8									
Totals	50.18	47.47%	42.56	40.26%	6.74	6.38%	6.22	5.88%	105.70

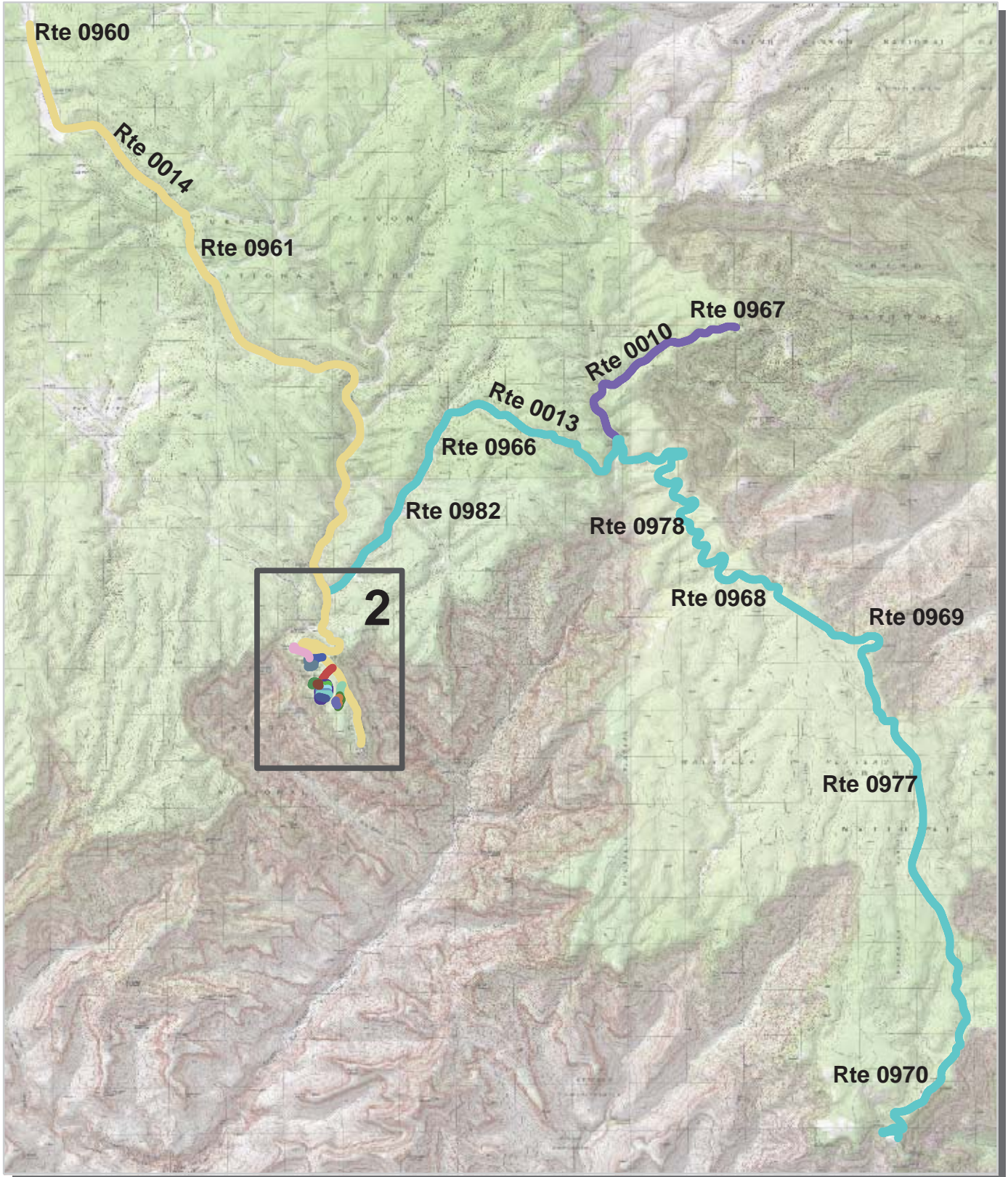
Grand Canyon National Park Route Location Key Map



 Park Owned Routes



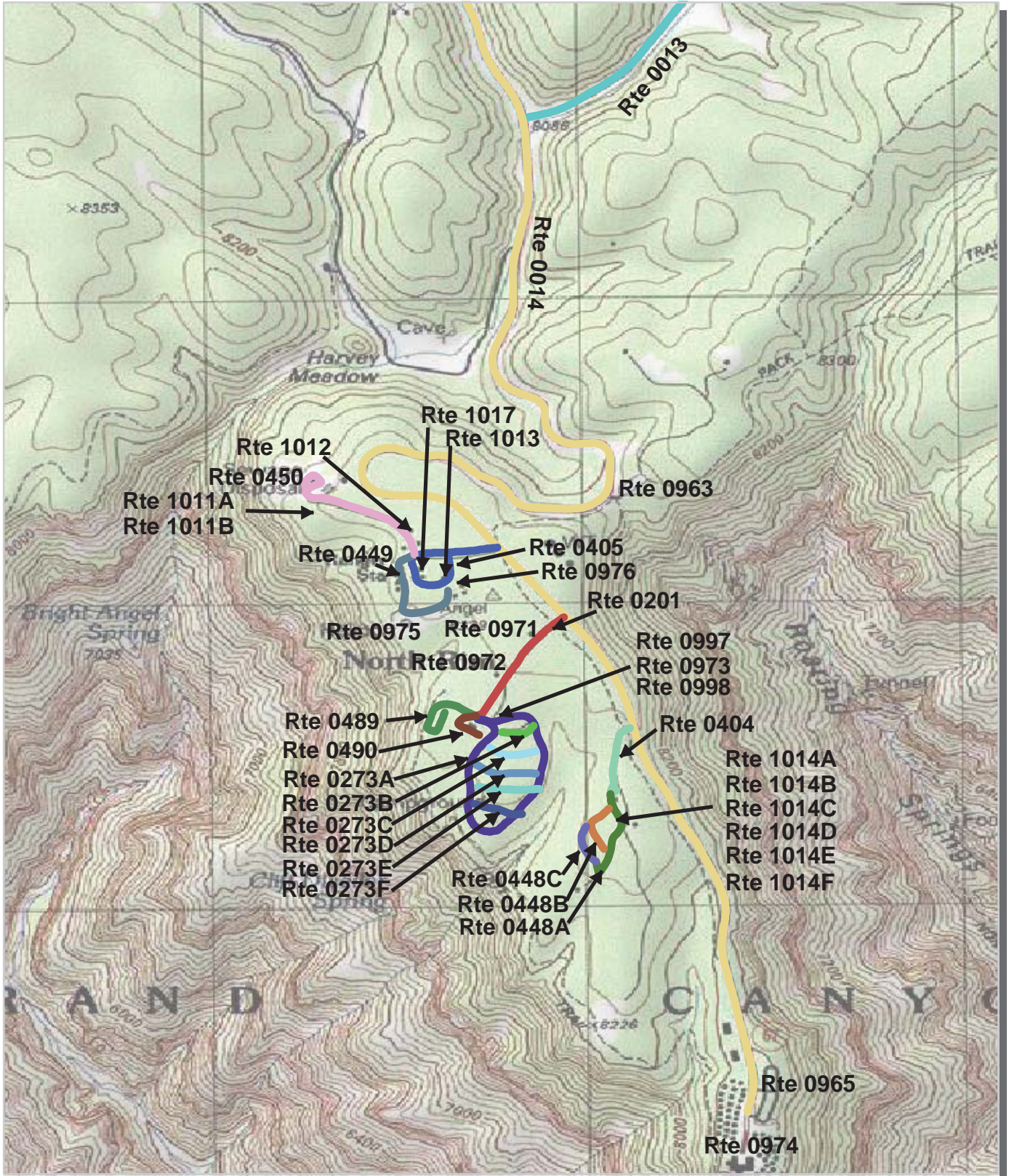
Grand Canyon National Park Route Location Area Map 1



Unique colors used to differentiate routes



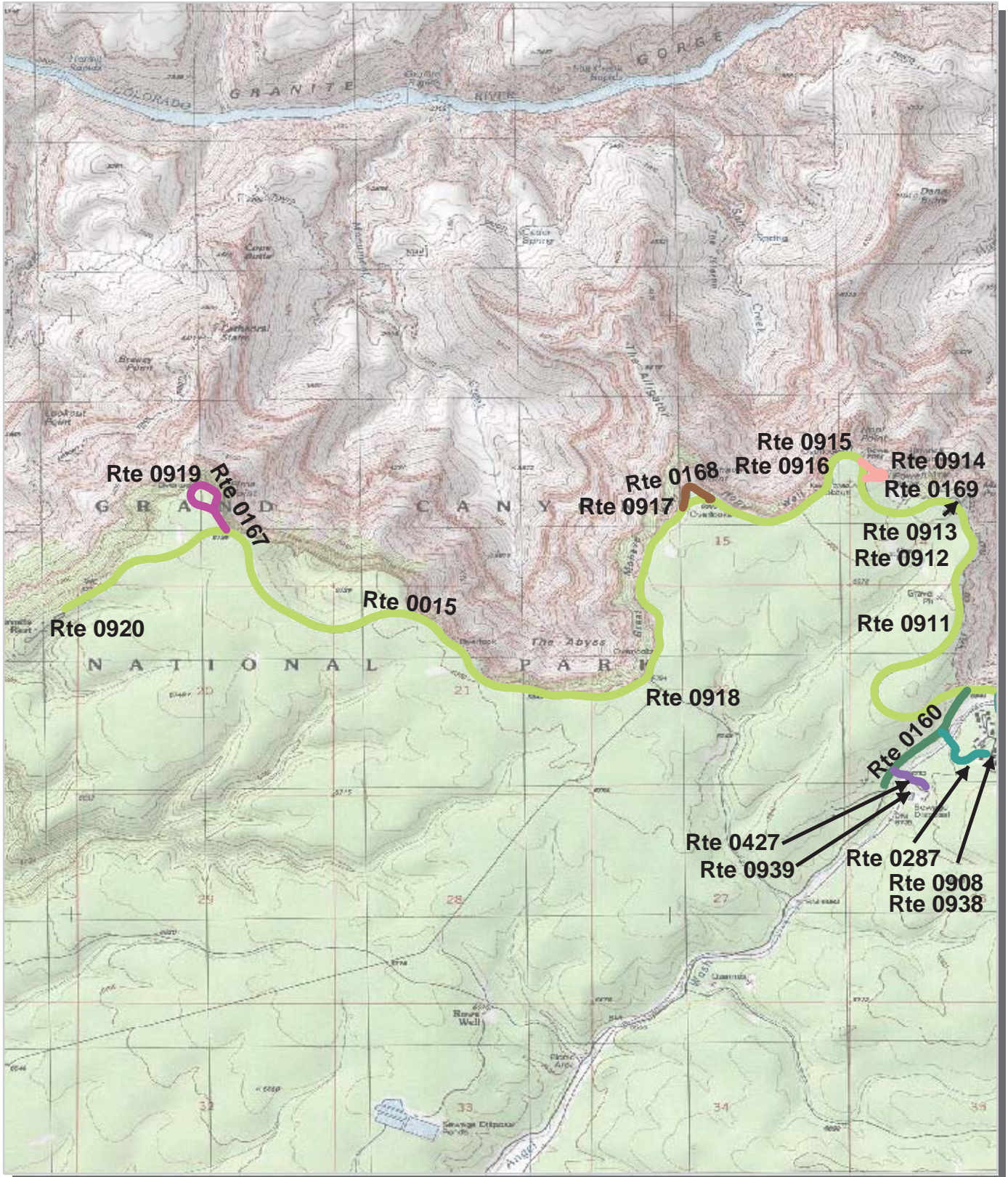
Grand Canyon National Park Route Location Area Map 2



Unique colors used to differentiate routes



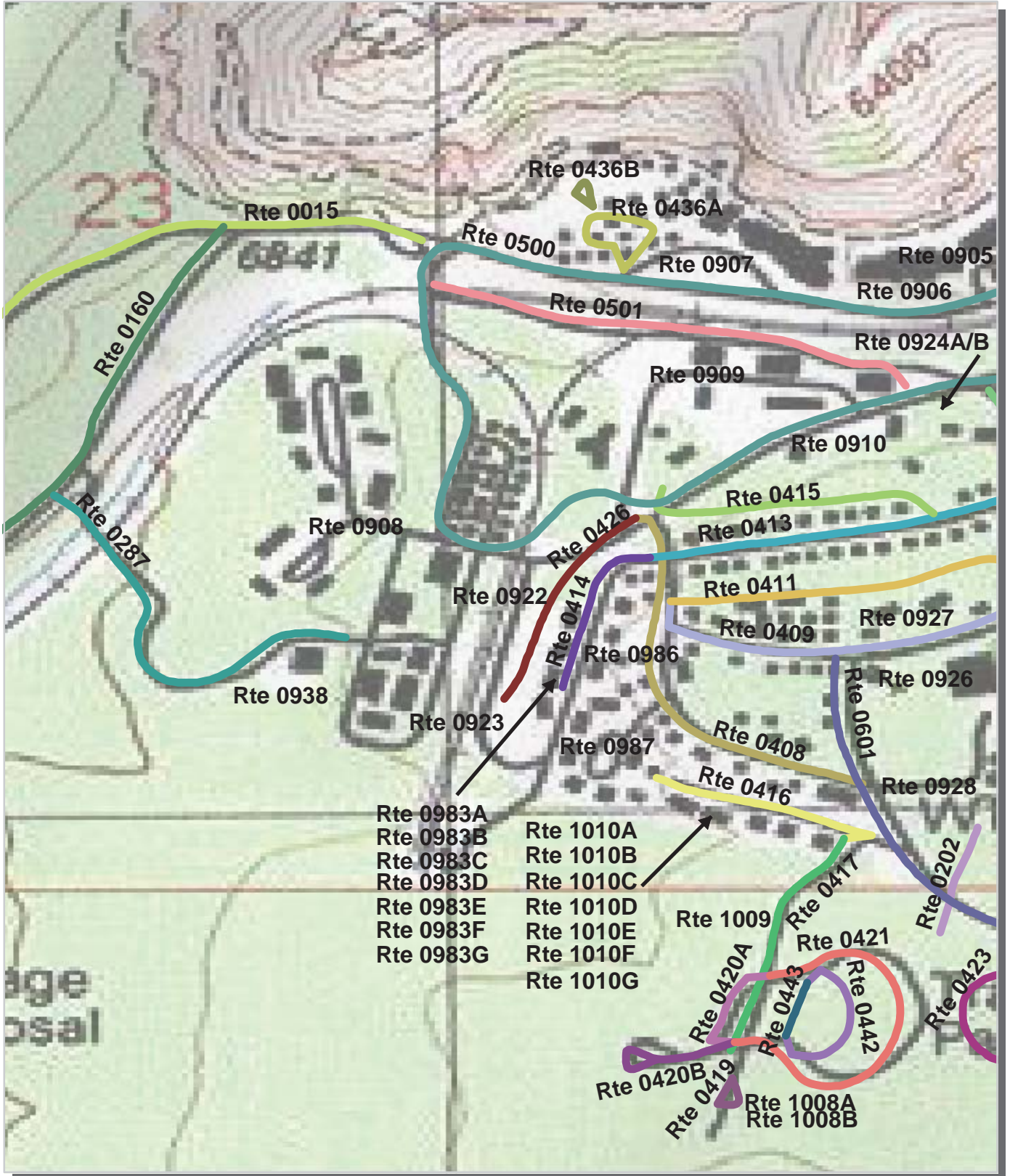
Grand Canyon National Park Route Location Area Map 3



Unique colors used to differentiate routes



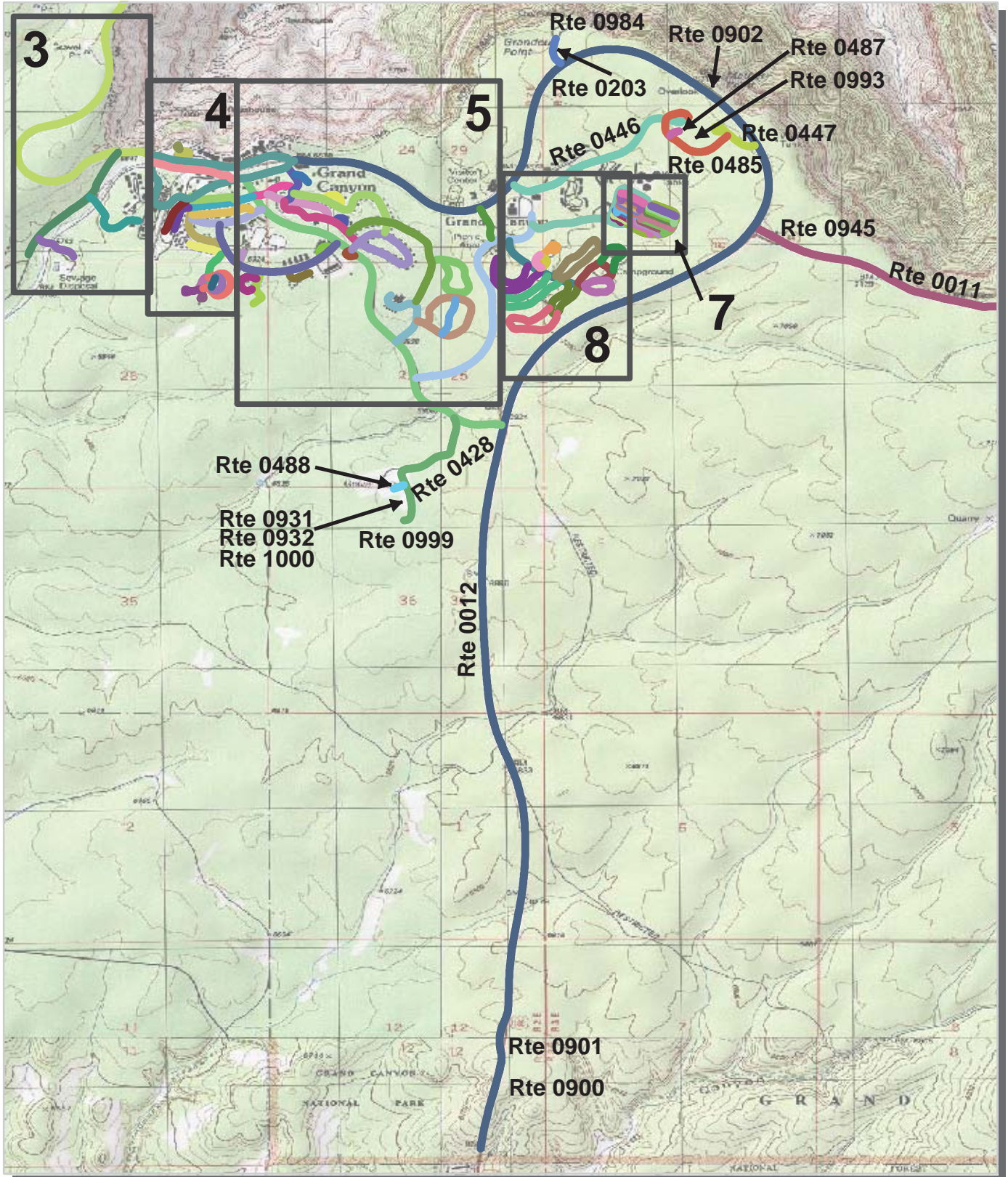
Grand Canyon National Park Route Location Area Map 4



Unique colors used to differentiate routes



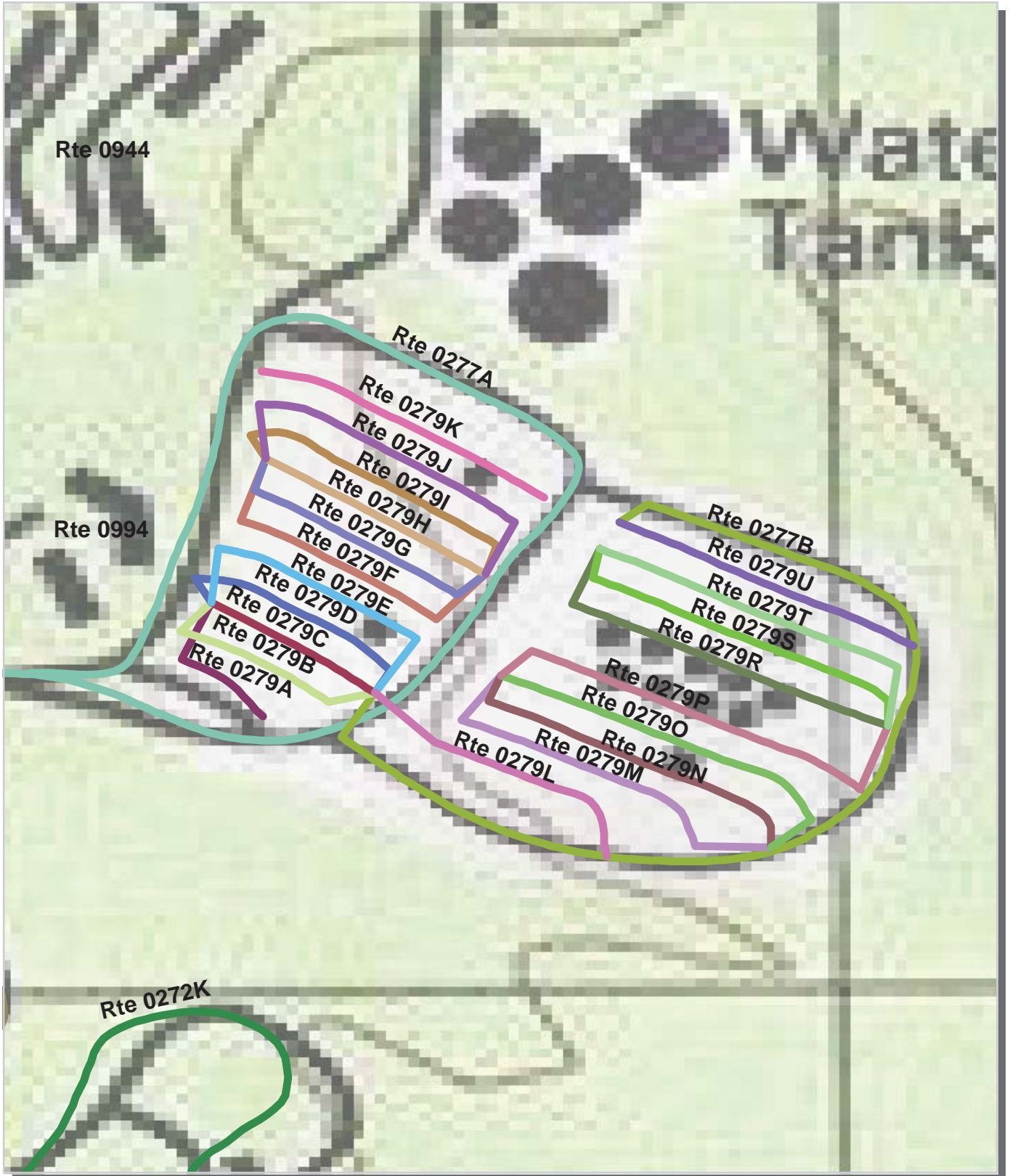
Grand Canyon National Park Route Location Area Map 6



Unique colors used to differentiate routes



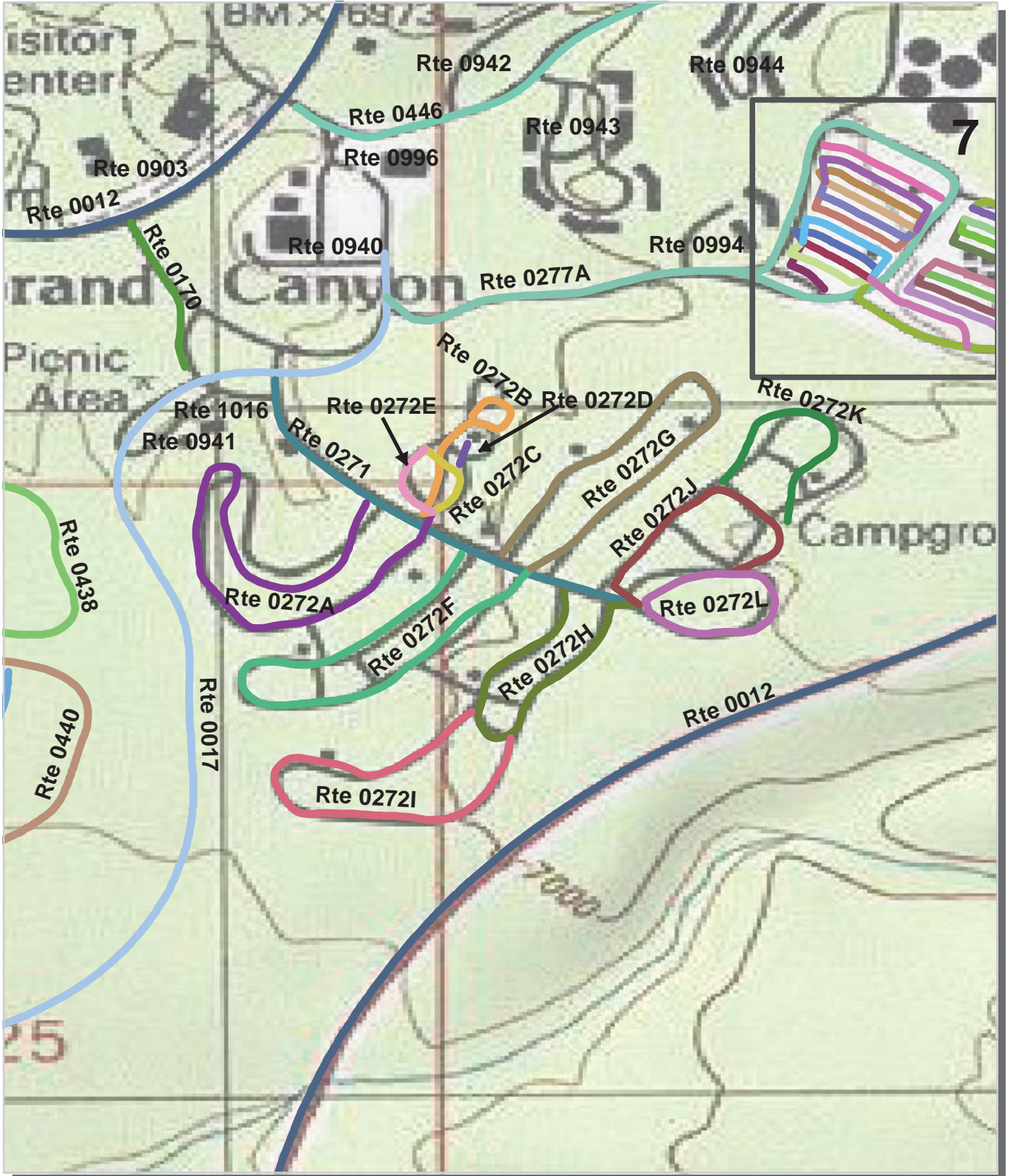
Grand Canyon National Park Route Location Area Map 7



Unique colors used to differentiate routes



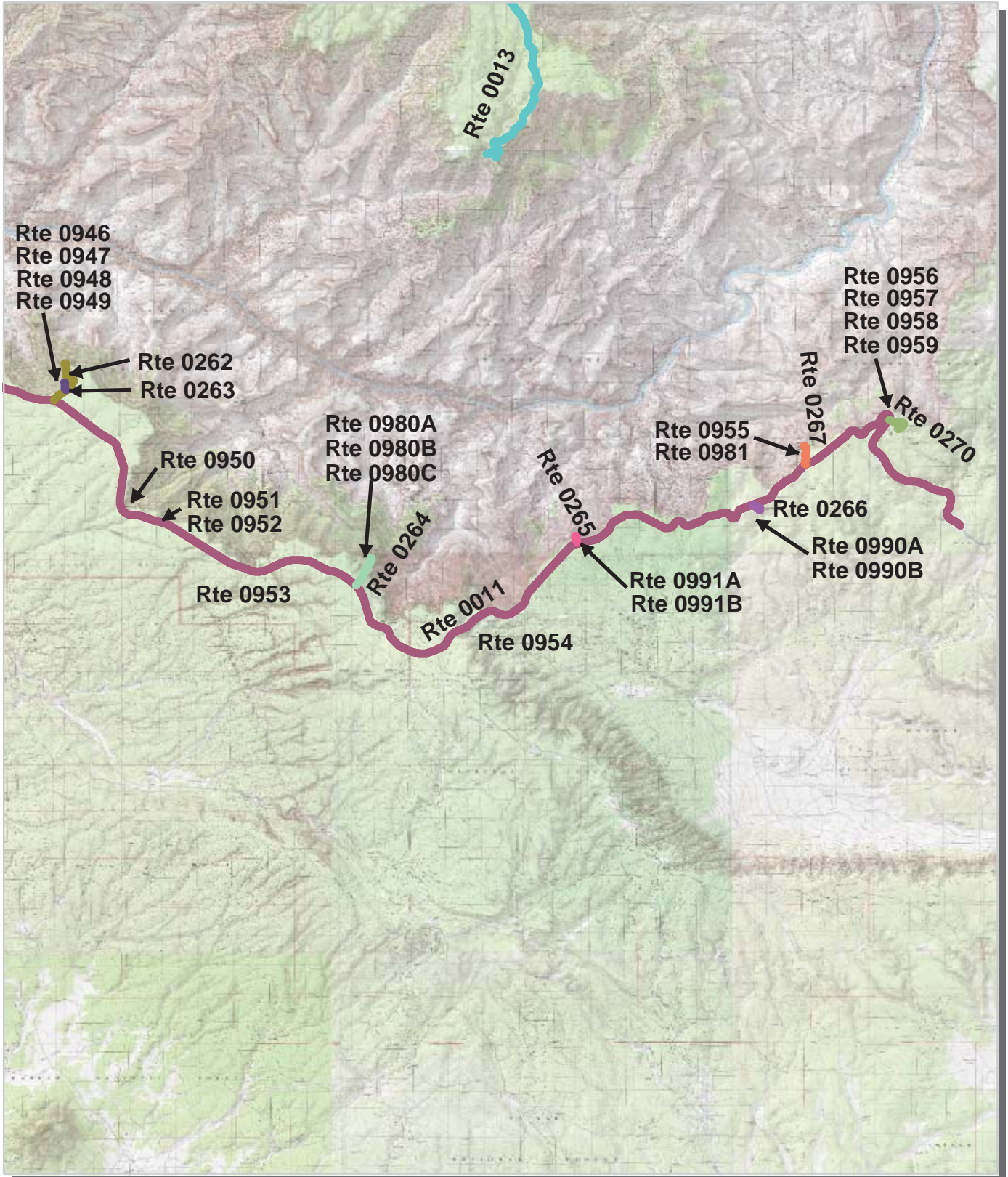
Grand Canyon National Park Route Location Area Map 8



Unique colors used to differentiate routes



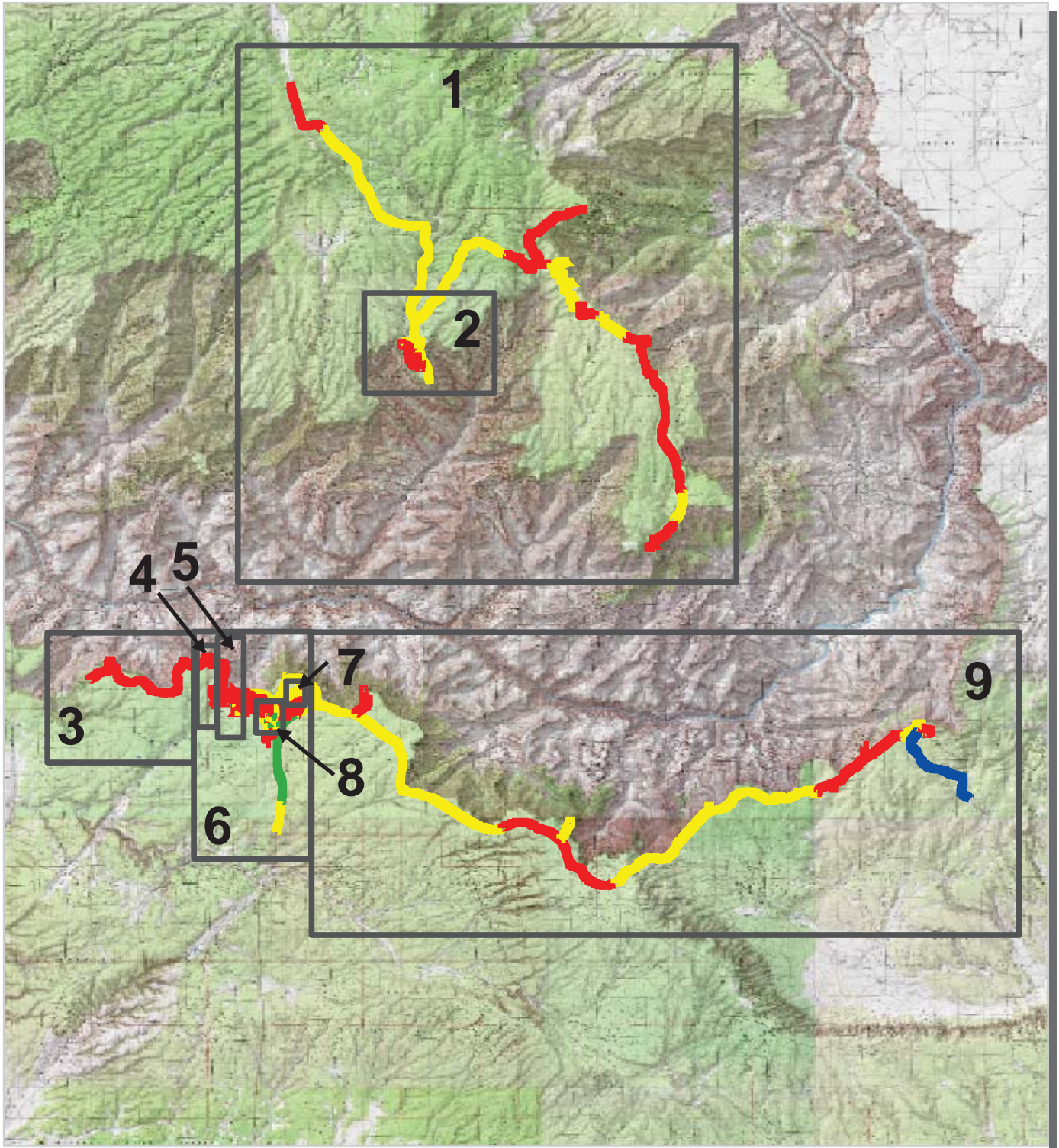
Grand Canyon National Park Route Location Area Map 9







Unique colors used to differentiate routes



Grand Canyon National Park Route Condition Key Map PCR - Mile by Mile

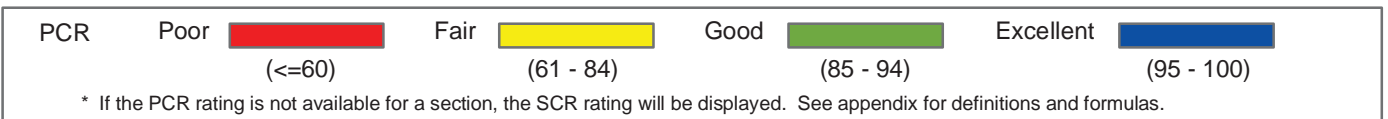
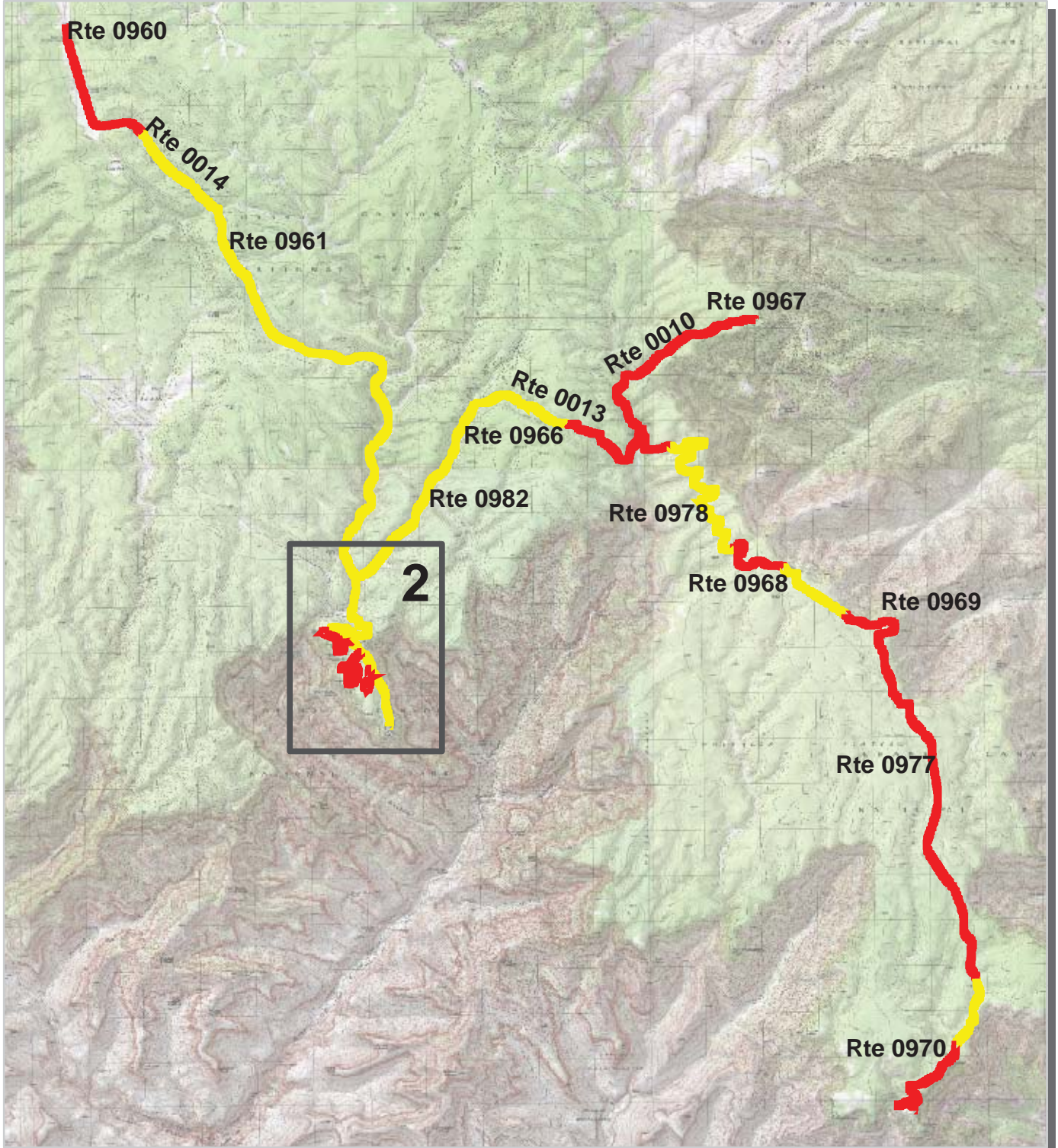


PCR	Poor		Fair		Good		Excellent	
		(<=60)		(61 - 84)		(85 - 94)		(95 - 100)

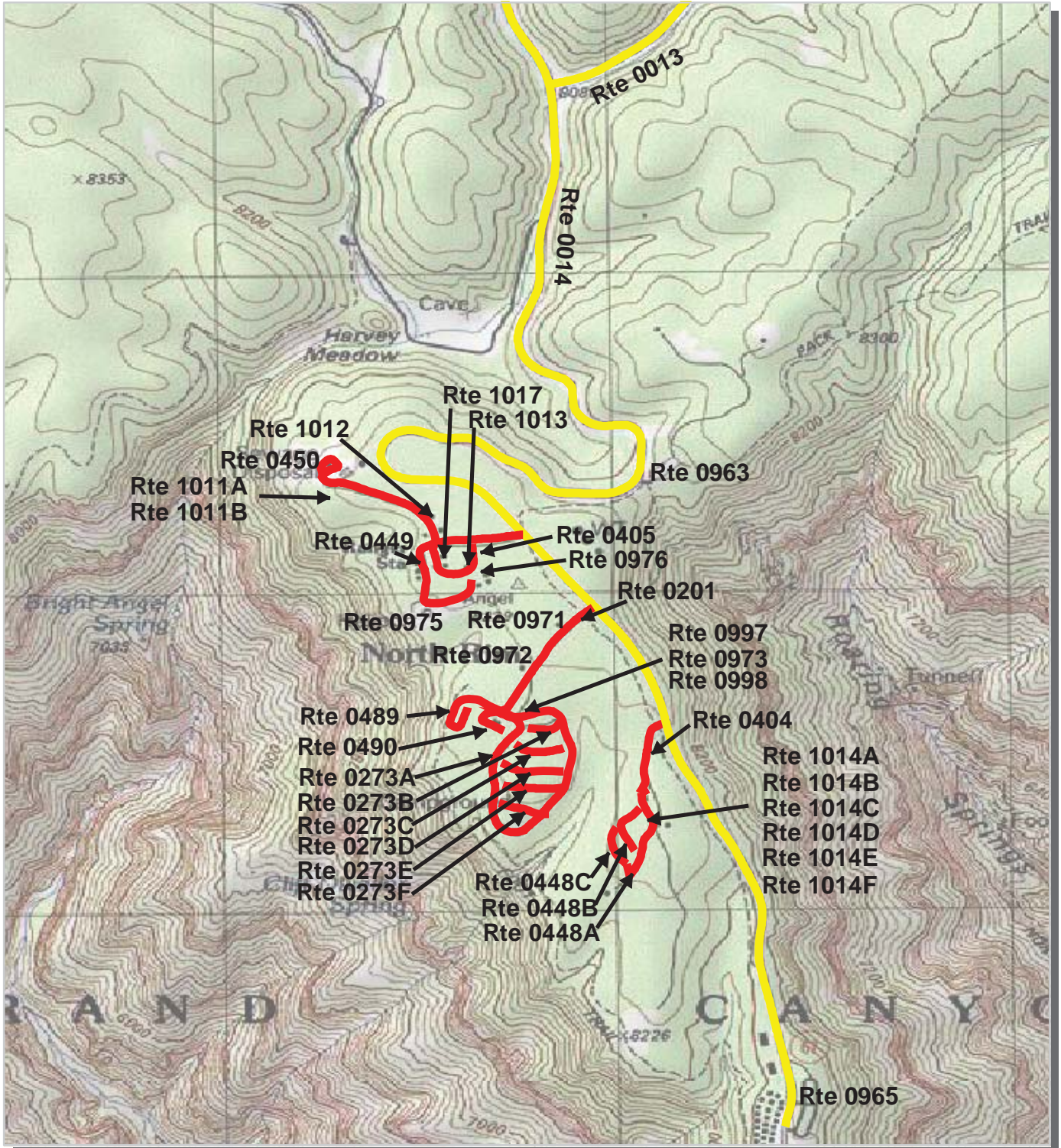
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.



Grand Canyon National Park Route Condition Area Map 1 PCR - Mile by Mile



Grand Canyon National Park Route Condition Area Map 2 PCR - Mile by Mile

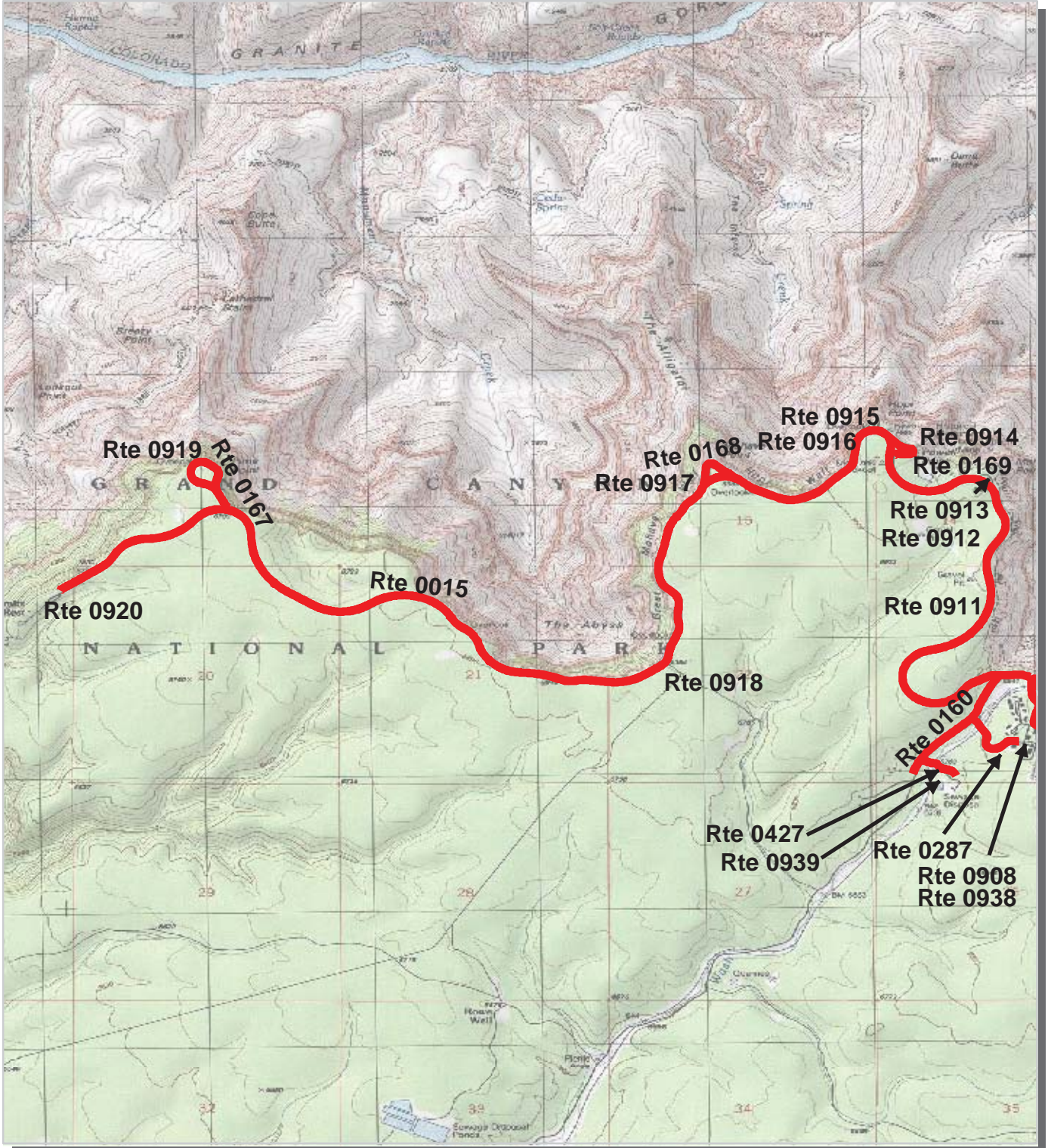


PCR	Poor	Fair	Good	Excellent
				
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)

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



Grand Canyon National Park Route Condition Area Map 3 PCR - Mile by Mile

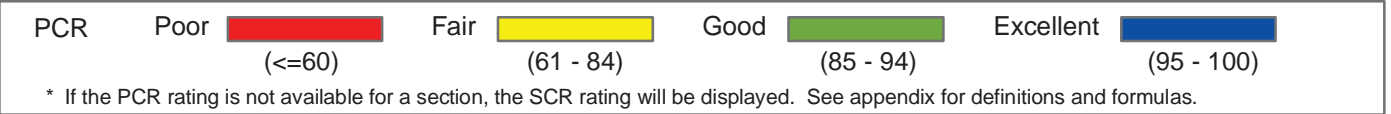
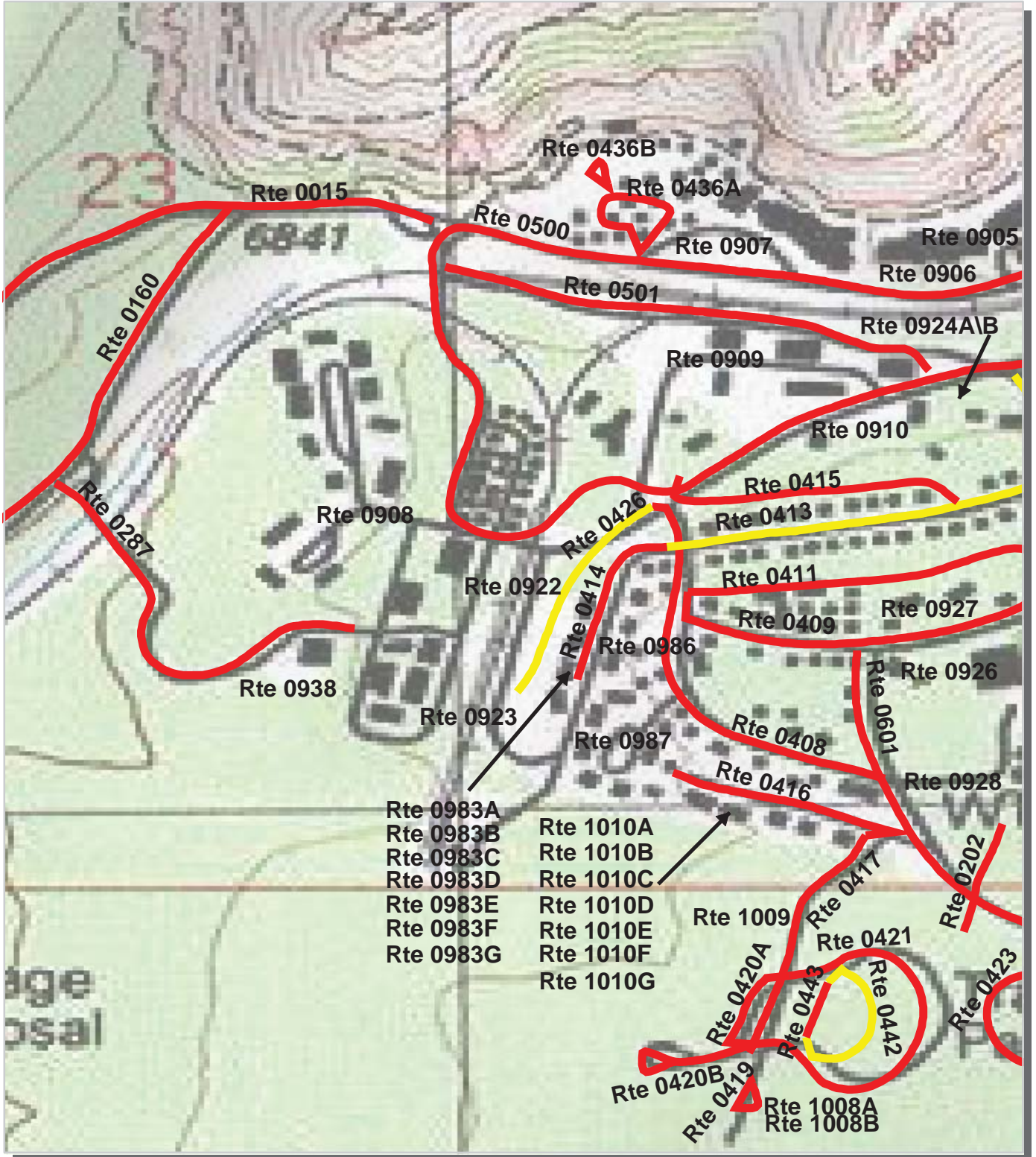


PCR	Poor	Fair	Good	Excellent
				
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)

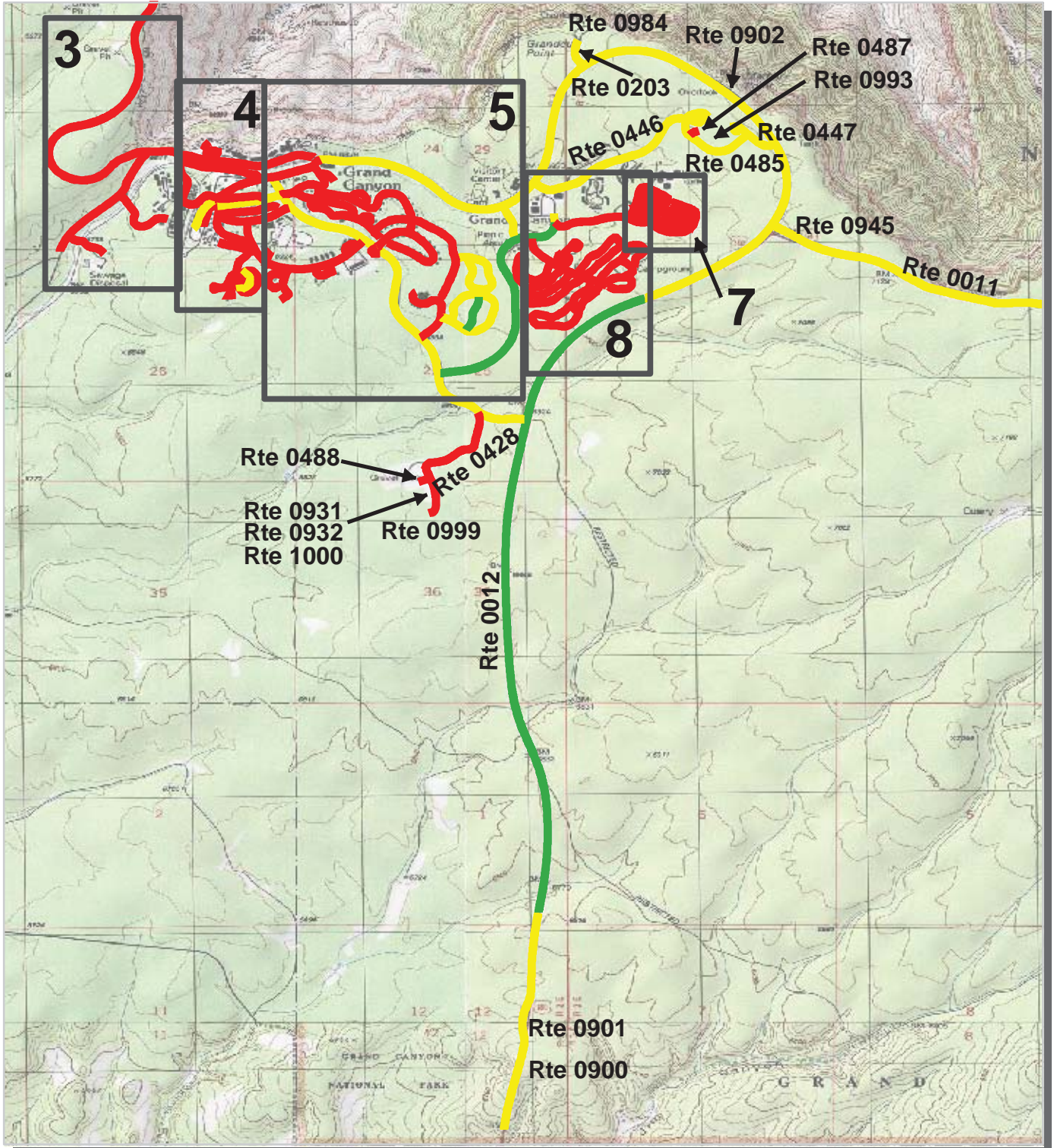
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.



Grand Canyon National Park Route Location Area Map 4



Grand Canyon National Park Route Condition Area Map 6 PCR - Mile by Mile

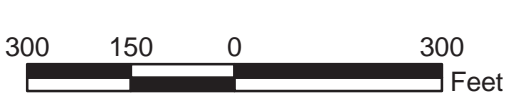
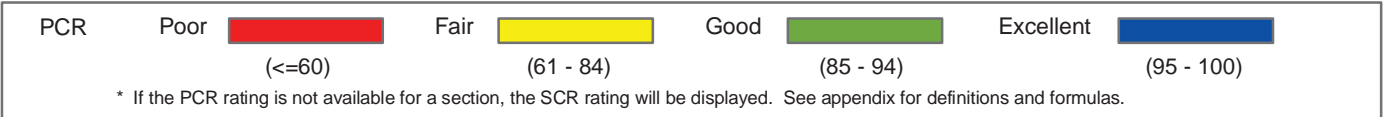
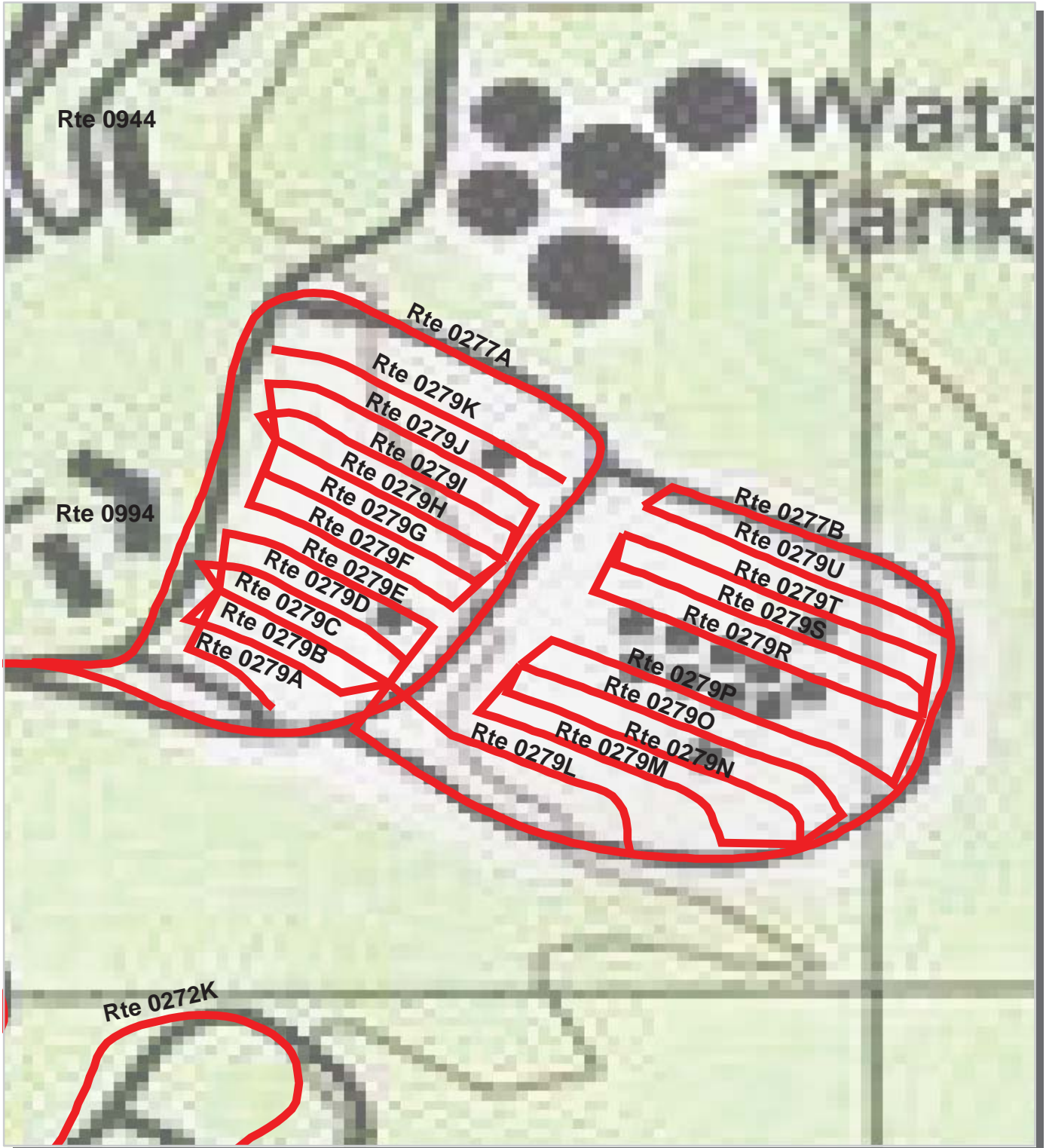


PCR	Poor	Fair	Good	Excellent
	(≤ 60)	(61 - 84)	(85 - 94)	(95 - 100)

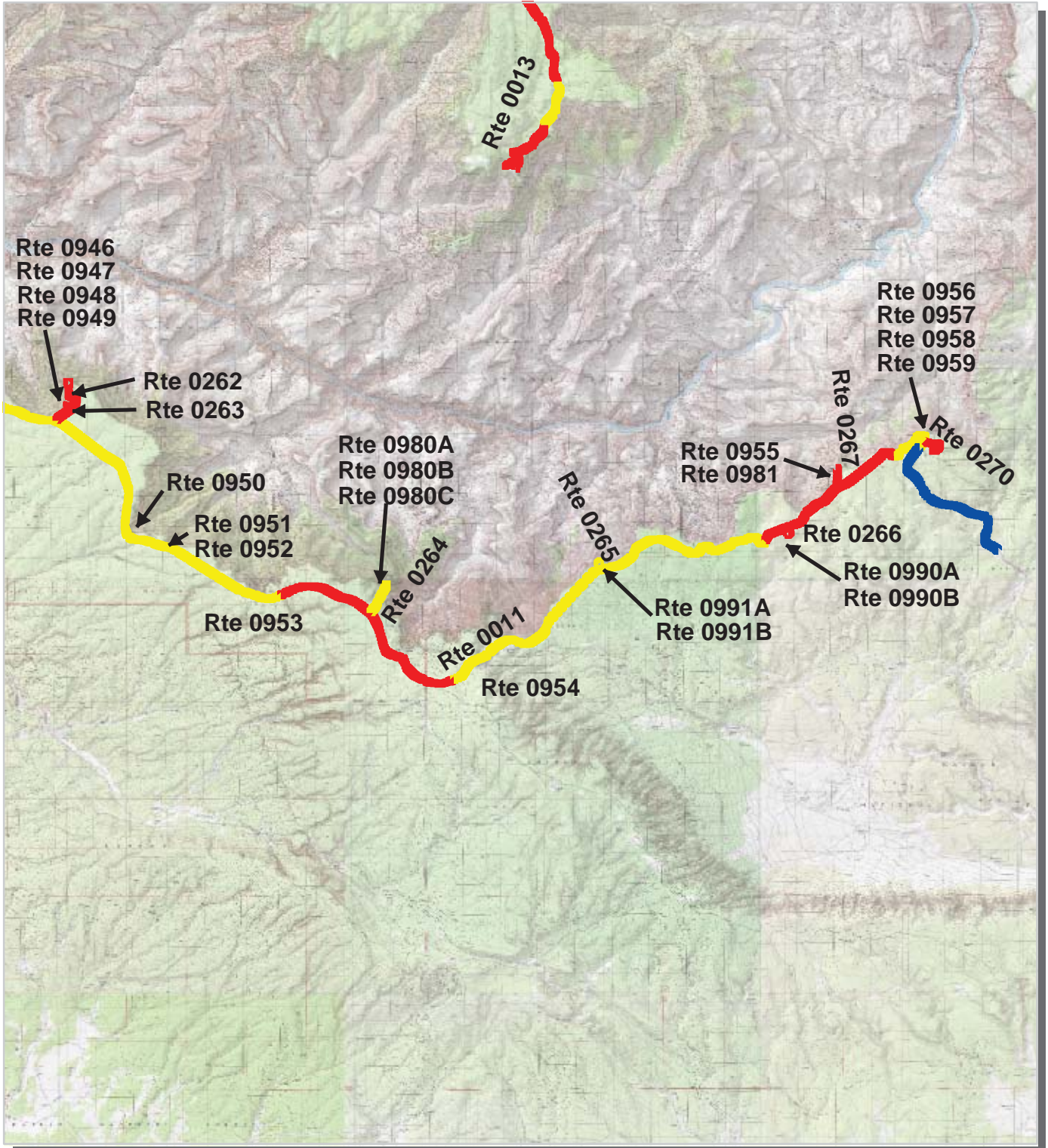
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.







Grand Canyon National Park Route Condition Area Map 7 PCR - Mile by Mile



Grand Canyon National Park Route Condition Area Map 9 PCR - Mile by Mile



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

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



NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:

Red text denotes approx. mileage

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

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Grand Canyon National Park

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0010	56125	Point Imperial Road	From Route 0013 at MP 5.38 on left	To Route 0967	2.63	0.00	2.63	1	2	0	AS
0011	51500	Desert View Drive	From Route 0012	To East Park Boundary	25.12	0.00	25.12	1	2	0	AS
0012	56511	South Entrance Road	From South Park Boundary	To Route 0500	7.36	0.00	7.36	1	2	0	OC
0013	56512	Cape Royal Road	From Route 0014 at MP 9.74 on left	To Route 1015 Cape Royal Parking	19.61	0.00	19.61	1	2	0	OC
0014	56513	North Entrance Road (Hwy 67)	From North Park Boundary	To Route 0974	12.69	0.00	12.69	1	2	0	OC
0015	56514	Hermit Rest Road	From Route 0500 at MP 0.5 on right	To Route 0920	6.98	0.00	6.98	1	2	0	CO
0016	56515	Center Road	From Route 0012 at MP 3.26 on Left	To Route 0500	1.61	0.00	1.61	1	2	0	AS
0017		Market Plaza Road	From Route 0016	To Route 0940	1.05	0.00	1.05	1	2	0	AS
0100	79659	Kanabawnts Road (W4)	From North Park Boundary past Kanabawnts	To Sublime Piont Picnic Area	0.00	0.00	0.00	4	2	0	GR
0101	56516	Swamp Point Road (W4)	From North Park Boundary	To End at Swamp Pit	0.00	7.86	7.86	1	2	0	GR
0102	56517	Fire Point Road (FS 223)	From NPS Park Boundary West	To Fire Pit (located North of Route 0101)	0.00	0.97	0.97	1	2	0	GR
0150	56520	Toroweap Valley Road	From North Park Boundary	To Visitors Center	0.00	6.85	6.85	1	2	0	GR
0151	56521	Toroweap Point Road	From Route 0150	To Parking Area	0.00	9.18	9.18	1	2	0	GR
0160	56522	Rowe Well Road	From Route 0015 at MP 0.15 on left	To Park Boundary	0.57	3.63	4.20	1	2	0	OC
0161	56523	Pasture Wash Road	From Route 0160	To Pasture Wash Ranger Station	0.00	15.33	15.33	1	2	0	GR
0162	56524	Bass Trail Road	From Route 0161	To Trailhead	0.00	3.64	3.64	1	2	0	GR
0164	56526	West Rim Drive Connector to Route 161	From Route 0015	To Route 0161	0.00	1.58	1.58	1	2	0	GR
0166	56527	Grandview Entrance Road	From Route 0011	To South Park Boundary	0.00	0.60	0.60	1	2	0	GR
0167		Prima Point Road	From Route 0015 at MP 6.21 on Right	To End of Loop	0.48	0.00	0.48	2	2	0	OC
0168		Mojave Point Road	From Route 0015 at MP 3.06	To Route 0015 at MP 3.19	0.24	0.00	0.24	2	2	0	OC
0169		Powell Memorial Road	From Route 0015 at MP 2.22	To Route 0015 at MP 2.3	0.23	0.00	0.23	2	2	0	OC
0170		Zuni Way	From Route 0012	To Route 0017	0.16	0.00	0.16	2	2	0	AS
0200	56529	Widforss Trailhead Road	From Route 0293	To End at Widforss Trailhead	0.00	0.73	0.73	2	2	0	GR
0201	56530	North Rim Campground Road	From Route 0014 at MP 11.60 on right	To Route 0273A and Route 0489	0.26	0.00	0.26	3	2	0	OC
0202	56531	Grand Canyon Recreation Center	From Route 0601	To Route 0995	0.09	0.00	0.09	3	2	0	AS
0203	56532	Yavapai Point Road	From Route 0012	To Route 0984	0.14	0.00	0.14	3	2	0	OC
0204	56533	NPS Academy Loop Road	From Route 0601	To Route 0601	0.09	0.00	0.09	3	2	0	AS
0250	56534	Toroweap Lake Road	From Intersection of Route 0150	To End	0.00	0.75	0.75	2	2	0	GR
0251	56535	Tuckup Trail Road	From Intersection of Route 0151	To End	0.00	5.39	5.39	2	2	0	GR

NPS/RIP Route ID Report

(Numerical By Route #)

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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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Grand Canyon National Park

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0262	56536	Yaki Point Road	From Route 0011 at MP 1.1 on left	To End of Loop	1.10	0.00	1.10	2	2	0	AS
0263	56537	Kaibab Trail Access Road	From Route 0262	To Route 0949	0.20	0.00	0.20	2	2	0	OC
0264	59028	Grandview Point Road	From Route 0011	To End of Loop	0.77	0.00	0.77	2	2	0	AS
0265	56538	Moran Point Road	From Route 0011	To End Loop	0.25	0.00	0.25	2	2	0	AS
0266	56545	Tusayan Ruin Road	From Route 0011	To End of Loop	0.27	0.00	0.27	2	2	0	AS
0267	56546	Lipan Point Road	From Route 0011 at MP 19.72 on left	To Route 0981	0.45	0.00	0.45	2	2	0	OC
0270	56724	Desert View Campground	From Route 0011	To End of Loop	0.64	0.00	0.64	3	2	0	OC
0271	56547	Mather Campground Access Road	From Route 0017	To Route 272L	0.37	0.00	0.37	3	2	0	AS
0272A	56549	Mather Campground Aspen Loop	From Route 0271	To Route 0271	0.60	0.00	0.60	3	1	0	AS
0272B		Mather Campground Sage Loop 1	From Route 0271	To End of Loop	0.19	0.00	0.19	3	1	0	AS
0272C		Mather Campground Sage Loop 2	From Route 0272B	To Route 0272B	0.07	0.00	0.07	3	1	0	AS
0272D		Mather Campground Sage Loop 3	From Route 0272B	To Route 0272B	0.04	0.00	0.04	3	1	0	AS
0272E		Mather Campground Sage Loop 4	From Route 0272B	To Route 0272B	0.08	0.00	0.08	3	1	0	AS
0272F		Mather Campground Fir Loop	From Route 0271	To Route 0271	0.49	0.00	0.49	3	1	0	AS
0272G		Mather Campground Pine Loop	From Route 0271	To Route 0271	0.47	0.00	0.47	3	1	0	AS
0272H		Mather Campground Juniper Loop 1	From Route 0271	To Route 0271	0.33	0.00	0.33	3	1	0	AS
0272I		Mather Campground Juniper Loop 2	From Route 0272H	To Route 0272H	0.43	0.00	0.43	3	1	0	AS
0272J		Mather Campground Oak Loop 1	From Route 0271	To Route 0271L	0.25	0.00	0.25	3	1	0	AS
0272K		Mather Campground Oak Loop 2	From Route 0272J	To Route 0272J	0.24	0.00	0.24	3	1	0	AS
0272L		Mather Campground Maple Loop	From End of Route 0271	To End of Loop	0.25	0.00	0.25	3	1	0	AS
0273A		North Rim Campground Outer Loop	From End of Route 0201 on Left	To around outer loop	0.63	0.00	0.63	3	2	0	OC
0273B		North Rim Campground Sites 80 to 83	From Route 0273A	To Route 0273A	0.07	0.00	0.07	3	1	0	OC
0273C		North Rim Campground Sites 74 to 79	From Route 0273A	To Route 0273A	0.09	0.00	0.09	3	1	0	OC
0273D		North Rim Campground Sites 64 to 73	From Route 0273A	To Route 0273A	0.12	0.00	0.12	3	1	0	OC
0273E		North Rim Campground Sites 53 to 63	From Route 0273A	To Route 0273A	0.11	0.00	0.11	3	1	0	AS
0273F		North Rim Campground Sites 47 to 52	From Route 0273A	To Route 0273A	0.09	0.00	0.09	3	1	0	OC
0277A	56550	Trailer Village Outer Loop A	From Route 0017	To End of Loop	0.75	0.00	0.75	3	2	0	AS
0277B		Trailer Village Outer Loop B	From Route 0277A	To Route 0277A	0.38	0.00	0.38	3	1	0	AS
0279A		Trailer Village Road A	From Route 0277A	To Route 0277A	0.05	0.00	0.05	3	1	0	AS
0279B		Trailer Village Road B	From Route 0277A	To Route 0277A	0.07	0.00	0.07	3	1	0	AS

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			From	To							
0279C		Trailer Village Road C	From Route 0277A	To Route 0277A	0.08	0.00	0.08	3	1	0	AS
0279D		Trailer Village Road D	From Route 0277A	To Route 0277A	0.09	0.00	0.09	3	1	0	AS
0279E		Trailer Village Road E	From Route 0277A	To Route 0277A	0.09	0.00	0.09	3	1	0	AS
0279F		Trailer Village Road F	From Route 0277A	To Route 0277A	0.09	0.00	0.09	3	1	0	AS
0279G		Trailer Village Road G	From Route 0277A	To Route 0277A	0.10	0.00	0.10	3	1	0	AS
0279H		Trailer Village Road H	From Route 0277A	To Route 0277A	0.10	0.00	0.10	3	1	0	AS
0279I		Trailer Village Road I	From Route 0277A	To Route 0277A	0.11	0.00	0.11	3	1	0	AS
0279J		Trailer Village Road J	From Route 0277A	To Route 0277A	0.11	0.00	0.11	3	1	0	AS
0279K		Trailer Village Road K	From Route 0277A	To Route 0277A	0.11	0.00	0.11	3	1	0	AS
0279L		Trailer Village Road L	From Route 0277A	To Route 0277B	0.10	0.00	0.10	3	1	0	OC
0279M		Trailer Village Road M	From Route 0277A	To Route 0277B	0.12	0.00	0.12	3	1	0	OC
0279N		Trailer Village Road N	From Route 0277A	To Route 0277B	0.13	0.00	0.13	3	1	0	AS
0279O		Trailer Village Road O	From Route 0277A	To Route 0277B	0.14	0.00	0.14	3	1	0	OC
0279P		Trailer Village Road P	From Route 0277A	To Route 0277B	0.14	0.00	0.14	3	1	0	OC
0279R		Trailer Village Road R	From Route 0277A	To Route 0277B	0.13	0.00	0.13	3	1	0	OC
0279S		Trailer Village Road S	From Route 0277A	To Route 0277B	0.13	0.00	0.13	3	1	0	OC
0279T		Trailer Village Road T	From Route 0277A	To Route 0277B	0.13	0.00	0.13	3	1	0	AS
0279U		Trailer Village Road U	From Route 0277A	To Route 0277B	0.12	0.00	0.12	3	1	0	AS
0287	56551	Route 0160 Access Road	From Route 0160	To Route 0908	0.29	0.00	0.29	2	2	0	AS
0288	56552	Clinic Access Road	From Route 0016 at MP 0.6 on right	To Route 0937	0.35	0.00	0.35	3	2	0	AS
0290		FS268B	From W4	To North Park Boundary	0.00	0.00	0.00	4	1	0	GR
0291		Kanabownits Cabin Road	From Route 0100, Southwest	To End	0.00	0.40	0.40	4	1	0	GR
0292		Kanabownits Tower Road	From Route 0100, Northeast	To End	0.00	0.10	0.10	4	1	0	GR
0293	79656	Point Sublime Road (W1)	From Route 0014 at MP 10.1 on Right	To Route 0100	0.00	0.00	0.00	4	1	0	GR
0294	79689	Old Entrance Road / Marble Flats Road (W1A)	From Route 0014 at MP 4.25 on Right	To Route 0293	0.00	0.00	0.00	4	1	0	GR
0295		Tipover Springs Road	From Route 0100	To End at Tipover Spring	0.00	0.00	0.00	4	1	0	GR
0400	56554	Marble Flats Service Road	From Route 0401	To Landfill	0.00	1.52	1.52	4	2	0	GR
0401	56555	Marble Flats Pit Road	From Route 0200	To Route 0014	0.00	4.97	4.97	4	2	0	GR
0403	56556	Tonto Street	From Route 0016 at MP 1.5 on right	To Route 0432	0.16	0.00	0.16	5	2	0	AS
0404	56557	Auto Shop Road	From Route 0014 at MP 11.9 on right	To End of Loop	0.18	0.00	0.18	5	2	0	AS
0405	56559	Admin Loop	From Route 0014 at MP 11.42 on right	To left at stop sign and continue to End of Loop	0.29	0.00	0.29	5	2	0	OC
0406		Mule Corral & Maintenance Area	From Route 0014	To Corral	0.00	0.61	0.61	4	2	0	GR
0407		Lindberg Hill Maintenance Area	From Route 0014	To Maintenance Area	0.00	0.19	0.19	4	2	0	GR
0408	56560	Coconino Road	From Route 0500	To Route 0601	0.29	0.00	0.29	5	2	0	AS
0409	56561	Boulder Street	From Route 0408	To Route 0016	0.29	0.00	0.29	5	2	0	AS

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Grand Canyon National Park

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			From	To							
0411	56562	Boulder Alley	From Route 0408 at MP 0.06 on left	To Route 0409	0.24	0.00	0.24	5	2	0	AS
0413	56565	Apache Street	From Route 0016 at MP 1.5 on left	To Route 0408	0.23	0.00	0.23	5	1	0	AS
0414	56567	Apache West	From Route 0408	To End of Pavement	0.14	0.00	0.14	5	2	0	AS
0415	56568	Apache Alley	From Route 0413	To Route 0500	0.17	0.00	0.17	5	2	0	AS
0416	56569	Muav Court	From Route 0601	To End of Route	0.15	0.00	0.15	5	2	0	AS
0417	56570	Hualapai Road	From Route 0416	To End of Route	0.20	0.00	0.20	5	2	0	AS
0419	56573	Kolb Circle	From Route 0417	To Route 0417	0.05	0.00	0.05	5	2	0	AS
0420A	56574	Mather Street	From Route 0417	To Route 0420B	0.07	0.00	0.07	5	2	0	AS
0420B		Mather Street	From Route 0417	To End of Loop	0.11	0.00	0.11	5	2	0	AS
0421	56576	Powell Avenue	From Route 0417	To Route 0417	0.27	0.00	0.27	5	2	0	AS
0422	56577	Muave Street	From Route 0601	To End of Route	0.17	0.00	0.17	5	2	0	OC
0423	56578	Grand Canyon Village New Housing Loop Road	From Route 0422	To Route 0422	0.16	0.00	0.16	5	2	0	AS
0426	56583	Maswick transportation Center Road	From Route 0500	To Route 0923	0.17	0.00	0.17	5	2	0	OC
0427	56585	Kennels Road	From Route 0160	To Route 0939	0.17	0.00	0.17	5	2	0	OC
0428	56586	Shuttle Bus Road	From Route 0016 at MP 0.17 on left	To Route 0999	0.61	0.00	0.61	5	2	0	AS
0429	56587	NPS Offices Road	From Route 0601	To End of Route	0.11	0.00	0.11	5	2	0	AS
0430	56589	Lapp Loop	From Route 0016	To Route 0016	0.07	0.00	0.07	5	2	0	AS
0431	56590	Juniper Hill	From Route 0403 at MP 0.06 on right	To Route 0435	0.28	0.00	0.28	5	2	0	OC
0432	56591	Navajo Street	From Route 0500 at MP 1.26 on right	To Route 0431	0.17	0.00	0.17	5	2	0	AS
0433	56593	Tapeats Street	From Route 0444	To Route 0444	0.12	0.00	0.12	5	2	0	AS
0434	56594	Hermit Circle	From Route 0435	To Route 0435	0.09	0.00	0.09	5	2	0	AS
0435	56596	Sunset Drive	From Route 0431	To Route 0437	0.36	0.00	0.36	5	2	0	OC
0436A	56598	Bright Angel Loop Road	From Route 0500	To End of Loop	0.14	0.00	0.14	5	2	0	OC
0436B		Bright Angel Loop Road	From Route 0436A	To End of Loop	0.06	0.00	0.06	5	1	0	AS
0437	56600	Park Circle	From Route 0016 at MP 1.07 on right	To End of Loop at Route 0437 and Route 0435 Intersection	0.52	0.00	0.52	5	2	0	AS
0438	56601	Barry Hance Circle	From Route 0451 at MP 0.41 on left	To End of Loop	0.46	0.00	0.46	5	2	0	AS
0439	56603	Ponderosa Street	From Route 0451	To End of Route	0.04	0.00	0.04	5	2	0	AS
0440	56604	Randy Thompson Circle	From Route 0288	To End of Loop	0.57	0.00	0.57	5	2	0	AS
0441	56605	Bob Mann Street	From Route 0440	To Route 0440(From South to North)	0.17	0.00	0.17	5	2	0	AS
0442	56606	Moran Avenue	From Route 0421	To Route 0421	0.11	0.00	0.11	5	2	0	AS
0443	56607	Lipan Street	From Route 0421	To Route 0421	0.06	0.00	0.06	5	2	0	AS
0444	56609	Kaibab Street	From Route 0432	To Route 0437	0.54	0.00	0.54	5	2	0	AS
0445A	56610	Navajo Residence Road	From Route 0432	To End of Route	0.07	0.00	0.07	5	2	0	AS
0445B		Navajo Residence Road	From Route 0445A	To End of Loop	0.04	0.00	0.04	5	2	0	OC
0446	56612	West Shuttle Access Road	From Route 0012	To End of Loop	0.82	0.00	0.82	5	2	0	AS

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0447	56613	East Shuttle Access Road	From Route 0012	To End of Loop	0.24	0.00	0.24	5	2	0	AS
0448A	58274	Employee Dining Room/Mule Concessionaire Road	From Route 0404	To End of Pavement at Mule Concessionaire	0.20	0.00	0.20	5	2	0	OC
0448B		Concessionaire Residence Road	From Route 0448A	To Route 0448A (veer Left to stay on route)	0.12	0.00	0.12	5	2	0	OC
0448C		RV Concessionaire Residence Road	From Route 0448B	To Route 0448A	0.10	0.00	0.10	5	2	0	OC
0449	56615	North Rim Residence Loop	From Route 0450	To Route 0405	0.24	0.00	0.24	5	2	0	AS
0450	56616	Wastewater Plant/Helipad Road	From Route 0405 right at stop sign	To End of Loop	0.35	0.00	0.35	5	2	0	OC
0451	56525	Havasupai Road	From Route 0435	To Route 0288	0.62	0.00	0.62	5	2	0	AS
0461	56745	East Entrance Residence Road	From Route 0011 at MP 21.98 on left	To End of Route	0.28	0.00	0.28	5	2	0	AS
0462	56618	Desert View Service Road	From Desert View Parking Area	To End of Route	0.00	0.39	0.39	4	2	0	GR
0464	56619	Tank C Pumphouse Road	From Route 0279	To End of Route	0.00	0.32	0.32	4	2	0	GR
0465	56621	Rim Gravel Pit Road	From Route 0160	To Gravel Pit	0.00	1.14	1.14	4	2	0	GR
0466	56622	Horsethief Tank Road	From Route 0164	To Route 0161	0.00	2.23	2.23	4	2	0	GR
0467	56623	South Boundary Connector to Route 0161	From South Park Boundary	To Route 0161	0.00	1.18	1.18	4	2	0	GR
0468	77350	Sewage Disposal Pond	From Route 0161	To End of Route	0.00	1.30	1.30	4	2	0	GR
0469	79827	Widforss Point Road (W1C)	From Route 0293 south	To End at Widforss Trailhead	0.00	0.00	0.00	6	1	0	GR
0470	79828	Tiyo Point Road (W1D)	From Route 0293 south	To End at Tiyo Point	0.00	0.00	0.00	6	1	0	GR
0471		Francois Mathes Point Road	From Route 0013 at MP 10.8 south	To Park Boundary	0.00	0.00	0.00	6	1	0	GR
0472	79826	Wahalla Glades Road (E6)	From Route 0471 south	To Park Boundary	0.00	0.00	0.00	6	1	0	GR
0473		Wahalla Glades Road Access Road (E6A)	From Route 0013 at MP 13.1	To Route 0472	0.00	0.00	0.00	6	1	0	GR
0474		Bright Angel Creek / Greenland Spring Access Road (e3)	From Route 0013 at MP 6.9 south	To End	0.00	0.00	0.00	6	1	0	GR
0475	79823	Komo Point Road (E4)	From Route 0013 at MP 9.4 south	To End near Obi Point / Obi Canyon	0.00	0.00	0.00	6	1	0	GR
0476		Ariel Point Road (E4A)	From Route 0475	To End	0.00	0.00	0.00	6	1	0	GR
0477		Pistol Range Road	From Route 0294	To End	0.00	0.00	0.00	6	1	0	GR
0478		Entrance Residence Road	From Route 0960 (off Route 0014 at MP 0.2)	To End	0.00	1.40	1.40	6	2	0	GR
0479		Fire Road	From Route 0014 at MP 0.18 on Right	To End	0.00	0.28	0.28	6	1	0	GR
0485		Employee Service Road	From Route 0447	To End	0.46	0.00	0.46	5	2	0	CO
0487		Employee Access Road	From Route 0485	To End	0.06	0.00	0.06	5	2	0	OC
0488		Fire Station Access Road	From Route 0428	To End	0.05	0.00	0.05	5	2	0	AS
0489		Inn Cabin Loop	From End of Route 0201 on Right	To End of Loop	0.20	0.00	0.20	5	2	0	OC
0490		Campground Store/ Concession Access Road	From Route 0489	To Route 0998	0.07	0.00	0.07	5	1	0	AS

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			From	To							
0491		Exposed Frame Cabin Residence/ Multiple Use Road	From Route 0489	Through Cabin Area To Route 0489	0.26	0.00	0.26	5	1	21,711	AS
0500	56624	Village Loop Drive	From End of Route 0012	To around Loop	1.32	0.00	1.32	3	1	0	OC
0501	56625	Village Loop Bypass	From Route 0500	To Route 0500	0.31	0.00	0.31	3	1	0	AS
0601	56627	Albright Avenue	From Route 0409 at MP 1.10	To Route 0016	0.62	0.00	0.62	2	2	0	AS
0700	77352	Service Road to Firing Range	From	To	0.00	1.00	1.00	ZZ		0	GR
0701	77456	Service Road to Powder Mag	From	To	0.00	0.30	0.30	ZZ		0	GR
0702	77458	Service Road to Shoshone Point	From	To	0.00	1.10	1.10	ZZ		0	GR
0703	77459	Service Road to Desert View Dry Dump	From	To	0.00	0.30	0.30	ZZ		0	GR
0704	77462	Service Road to Desert View Water Tank	From	To	0.00	0.50	0.50	ZZ		0	GR
0705	77463	Service Road to Desert View Sewer Ponds	From	To	0.00	0.40	0.40	ZZ		0	GR
0706	77464	Service Road to Landfill	From	To	0.00	1.30	1.30	ZZ		0	GR
0707	77469	Service Road to Supai Camp	From	To	0.00	0.20	0.20	ZZ		0	GR
0711	79694	T-1 Toroweap Overlook Road	From	To	0.00	6.60	6.60	ZZ		0	GR
0712	79801	T-5 Vulcan s Throne Road	From	To	0.00	2.00	2.00	ZZ		0	GR
0713	79802	T-8 Tuweep Campground Road	From	To	0.00	0.60	0.60	ZZ		0	GR
0714	79803	Kaibab NF Road 268, Boundary Road	From	To	0.00	2.50	2.50	ZZ		0	GR
0715	79804	Kanab Point Road	From	To	0.00	4.40	4.40	ZZ		0	GR
0716	79806	SB Point Road	From	To	0.00	7.70	7.70	ZZ		0	GR
0717	79819	150 Mile Canyon Road	From	To	0.00	5.90	5.90	ZZ		0	GR
0718	79821	Tuckup Canyon Road	From	To	0.00	8.40	8.40	ZZ		0	GR
0720	79824	E4A Ariel Point Road	From	To	0.00	2.60	2.60	ZZ		0	GR
0721	79825	E5 Francois Mathes Point Road	From	To	0.00	5.50	5.50	ZZ		0	GR
0900	58280	South Entrance Grand Canyon Parking	Adjacent To Route 0012 at MP 0.31		0.00	0.00	0.00	9	0	20,127	OC
0901	58281	South Entrance Station Parking	Adjacent To Route 0012 at MP 0.46		0.00	0.00	0.00	9	0	6,320	OC
0902	58282	Mather Point Visitor Center Parking	Adjacent To Route 0012 at MP 5.20		0.00	0.00	0.00	9	0	55,183	AS
0903	58283	Headquarters Parking	Adjacent To Route 0012 at MP 6.42		0.00	0.00	0.00	9	0	88,643	AS
0904A	58288	El Tovar/Verkamps Parking A	From Route 0500	To End of Loop	0.00	0.00	0.00	9	0	13,627	AS
0904B		El Tovar/Verkamps Parking B	From Route 0904A	To Route 0905	0.00	0.00	0.00	9	0	18,450	AS
0904C		El Tovar/Verkamps Parking C	From Route 0904A and Route 0904D	To Parking	0.00	0.00	0.00	9	0	36,259	AS
0904D		El Tovar/Verkamps Parking D	From Route 0904C	To Parking	0.00	0.00	0.00	9	0	3,365	AS
0905	58289	Cochina Lodge Parking	From Route 0904B	To Route 0906	0.00	0.00	0.00	9	0	18,765	AS

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			From	To							
0906	58291	Thunderbird Lodge Parking	Adjacent To Route 0500		0.00	0.00	0.00	9	0	20,117	AS
0907	58292	Bright Angel Lodge Parking	From Route 0500	To Route 0436A	0.00	0.00	0.00	9	0	28,998	AS
0908	58293	Maswick Standard Parking	From Route 0500	To Parking	0.00	0.00	0.00	9	0	194,655	AS
0909	58297	Service Parking Area	From Route 0500 and Route 0501	To Parking	0.00	0.00	0.00	9	0	57,174	AS
0910	58340	Human Resources Parking	Adjacent To Route 0500 at MP 1.02		0.00	0.00	0.00	9	0	5,888	AS
0911	58343	Trailview Parking	Adjacent To Route 0015 at MP 1.1		0.00	0.00	0.00	9	0	5,774	AS
0912	58348	Grand Canyon Vista Parking	Adjacent To Route 0015 at MP 1.42		0.00	0.00	0.00	9	0	9,584	AS
0913	58350	Maricopa Point Parking	Adjacent To Route 0015 at MP 1.68		0.00	0.00	0.00	9	0	16,279	AS
0914	58356	Powell Memorial Parking	Adjacent To Route 0169		0.00	0.00	0.00	9	0	5,680	AS
0915	58358	Hopi Point Parking	Adjacent To Route 0015 at MP 2.32		0.00	0.00	0.00	9	0	17,093	AS
0916	58360	Hopi Point II Parking	Adjacent To Route 0015 at MP 2.39		0.00	0.00	0.00	9	0	5,281	AS
0917	58362	Mojave Point Parking	Adjacent To Route 0168		0.00	0.00	0.00	9	0	4,356	AS
0918	58363	Abyss Parking	Adjacent To Route 0015 at MP 4.10		0.00	0.00	0.00	9	0	2,900	AS
0919	58372	Pima Point Parking	Adjacent To Route 0167		0.00	0.00	0.00	9	0	4,226	AS
0920	58384	Hermit's Rest Parking	At End of Route 0015		0.00	0.00	0.00	9	0	23,570	AS
0921	58385	Train Station Parking	Adjacent To Route 0500 at MP 0.08		0.00	0.00	0.00	9	0	9,879	AS
0922		Backcountry Permit Parking	Adjacent To Route 0426 at MP 0.10		0.00	0.00	0.00	9	0	62,770	AS
0923	58386	Maswick Transportation Center Parking	At End of Route 0426		0.00	0.00	0.00	9	0	41,911	AS
0924A	58388	Magistrate Parking	From Route 0016 at MP 1.56	To Route 0924B	0.00	0.00	0.00	9	0	18,065	AS
0924B		Magistrate Employee Parking	From Route 0924A	To Parking	0.00	0.00	0.00	9	0	7,210	AS
0925	58390	General Offices Parking	Adjacent To Route 0432 at MP 0.02		0.00	0.00	0.00	9	0	14,654	AS
0926	58393	Chapel Parking	Adjacent To Route 0409 at MP 0.14 on Right		0.00	0.00	0.00	9	0	11,584	AS
0927	58394	Boulder Street Residence Parking	Adjacent To Route 0409 at MP 0.14 on Left		0.00	0.00	0.00	9	0	4,516	AS
0928	58396	Coconino School Parking	From Route 0601 and End of Route 0408	To Parking	0.00	0.00	0.00	9	0	28,752	AS
0929	58398	Dormitory Parking	Adjacent To Route 0601 at MP 0.40		0.00	0.00	0.00	9	0	36,184	AS
0930	58401	Albright Maintenance Area Parking	Adjacent To Route 0601 at MP 0.56		0.00	0.00	0.00	9	0	98,000	AS
0931	58402	Shuttle Bus Parking	From Route 0488	To Parking	0.00	0.00	0.00	9	0	43,724	AS
0932	58403	Fire Station Parking	From Route 0488	To Parking	0.00	0.00	0.00	9	0	5,673	AS
0933		Grand Canyon Association Parking	Adjacent To Route 0403 at MP 0.08		0.00	0.00	0.00	9	0	11,336	AS
0934A	58405	Stable Parking Area A	From Route 0431	To Route 0435	0.00	0.00	0.00	9	0	7,935	AS

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

GRCA

Grand Canyon National Park

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0934B	58405	Stable Parking Area B	Adjacent To Route 0435 on Left		0.00	0.00	0.00	9	0	6,350	AS
0935	58407	School Bus Parking	Adjacent To Route 0016 at MP 1.40		0.00	0.00	0.00	9	0	8,040	AS
0936		Maintenance Area Parking	From Route 0417	To Parking	0.00	0.00	0.00	9	0	0	GR
0937	58411	Clinic Parking	From Route 0288 on Left and Right	To Parking	0.00	0.00	0.00	9	0	31,391	AS
0938	58412	Maintenance Parking	Adjacent To Route 0287 at MP 0.21		0.00	0.00	0.00	9	0	9,670	AS
0939	58413	Wastewater Treatment Area	From Route 0427	To Parking	0.00	0.00	0.00	9	0	37,016	AS
0940	58414	Mather Lodge Parking	From Route 0446 and Route 0017	To Parking	0.00	0.00	0.00	9	0	148,087	AS
0941	58416	Mather Campground Services Parking	From Route 0271	To Parking	0.00	0.00	0.00	9	0	28,149	AS
0942	58417	Yavapai East Parking	From Route 0446 on Left	To Parking	0.00	0.00	0.00	9	0	82,590	AS
0943	58418	Yavapai West I Parking	From Route 0446 on Right	To Parking	0.00	0.00	0.00	9	0	71,901	AS
0944	58419	Yavapai West II Parking	From Route 0446 on Right	To Parking	0.00	0.00	0.00	9	0	53,634	AS
0945	58420	Parking at MP 0.14	Adjacent To Route 0011 at MP 0.14		0.00	0.00	0.00	9	0	5,363	AS
0946	58421	Parking at MP 0.64	Adjacent To Route 0011 at MP 0.64		0.00	0.00	0.00	9	0	8,211	AS
0947	58430	Parking at MP 0.88	Adjacent To Route 0011 at MP 0.88		0.00	0.00	0.00	9	0	6,355	AS
0948	58433	Yaki Point Parking	Adjacent to Route 0262		0.00	0.00	0.00	9	0	6,169	AS
0949	56628	Kaibab Trail Service Road Parking	At End of Route 0263		0.00	0.00	0.00	9	0	21,339	AS
0950	58436	Duck-on-a-Rock Overlook Parking	Adjacent To Route 0011 at MP 3.86	To Route 0011	0.00	0.00	0.00	9	0	22,776	AS
0951	58438	Twin Overlook Parking	Adjacent To Route 0011 at MP 4.68		0.00	0.00	0.00	9	0	5,859	AS
0952	58441	Pullout Parking at MP 4.80	Adjacent To Route 0011 at MP 4.80		0.00	0.00	0.00	9	0	5,996	AS
0953	58444	Thor's Hammer Overlook Parking	Adjacent To Route 0011 at MP 6.50		0.00	0.00	0.00	9	0	10,745	AS
0954	58446	Buggeln Picnic Area	Adjacent To Route 0011 at MP 12.00		0.00	0.00	0.00	9	0	11,489	AS
0955	58447	No-Name Point Parking	Adjacent To Route 0011 at MP 19.45		0.00	0.00	0.00	9	0	14,409	AS
0956	58448	Navajo Point Parking	Adjacent To Route 0011 at MP 20.86		0.00	0.00	0.00	9	0	26,012	AS
0957	58449	Desert View Parking	Adjacent To Route 0011 at MP 21.68		0.00	0.00	0.00	9	0	69,881	AS
0958	58452	Desert View Gas Station	Adjacent To Route 0011 at MP 21.88		0.00	0.00	0.00	9	0	24,907	AS
0959	58453	East Entrance Ranger Station Parking	Adjacent To Route 0461		0.00	0.00	0.00	9	0	5,384	AS
0960	58455	North Rim Entrance Parking	Adjacent To Route 0014 at MP 0.18		0.00	0.00	0.00	9	0	6,514	OC
0961	58456	North Rim Forest Parking	Adjacent To Route 0014 at MP 4.03		0.00	0.00	0.00	9	0	10,496	OC
0962		Widforss Trailhead Parking	Adjacent To Route 0014		0.00	0.00	0.00	9	0	0	GR

NPS/RIP Route ID Report

(Numerical By Route #)

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GRCA

Grand Canyon National Park

Rte. #	FMSS Asset #	Route Name	Route Description From To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0963	58457	Kaibab Trailhead Parking	Adjacent To Route 0014 at MP 10.64	0.00	0.00	0.00	9	0	25,737	AS
0964		Picnic Area Parking	Adjacent To Route 0014 at MP 11.8	0.00	0.00	0.00	9	0	0	GR
0965	58459	North Rim Visitor Center Parking	Adjacent To Route 0014 at MP 12.48	0.00	0.00	0.00	9	0	130,951	AS
0966	58460	Mixed Blessings Parking	Adjacent To Route 0013 at MP 3.78	0.00	0.00	0.00	9	0	4,612	OC
0967	58462	Point Imperial Parking	At End of Route 0010	0.00	0.00	0.00	9	0	50,488	OC
0968	58465	Vista Encantada/Picnic Area	Adjacent To Route 0013 at MP 10.0	0.00	0.00	0.00	9	0	12,590	AS
0969	58467	Roosevelt Point Parking	Adjacent To Route 0013 at MP 11.7	0.00	0.00	0.00	9	0	5,514	AS
0970	58468	Wahalla Plateau Overlook Parking	Adjacent To Route 0013 at MP 18.3	0.00	0.00	0.00	9	0	27,283	AS
0971	58469	Gas Station Parking	Adjacent To Route 0201	0.00	0.00	0.00	9	0	10,269	AS
0972	58470	North Rim Campground Showers & Laundrymat Parking	Adjacent To Route 0201	0.00	0.00	0.00	9	0	4,894	AS
0973	58472	North Rim Campground General Store Parking	Adjacent To Route 0273A	0.00	0.00	0.00	9	0	2,323	AS
0974	58473	Grand Canyon Lodge Parking	At End of Route 0014	0.00	0.00	0.00	9	0	22,747	OC
0975	58475	North Rim Residence Parking	Adjacent To Route 0449	0.00	0.00	0.00	9	0	10,419	AS
0976	58478	Unit Office Parking	Adjacent To Route 0405	0.00	0.00	0.00	9	0	2,607	AS
0977	58482	North Rim Fire Parking	Adjacent To Route 0013 at MP 13.85	0.00	0.00	0.00	9	0	1,778	AS
0978	58485	Greenland Lakes Sinkholes Park	Adjacent To Route 0013 at MP 8.0	0.00	0.00	0.00	9	0	1,297	AS
0979	58488	Garage Parking	Adjacent To Route 0012 at MP 7.3	0.00	0.00	0.00	9	0	7,775	AS
0980A		Grandview Point Road Parking A	Adjacent To Route 0264 at MP 0.65 on Right	0.00	0.00	0.00	9	0	5,121	AS
0980B		Grandview Point Road Parking B	Adjacent to Route 0264 at MP 0.72 on Right	0.00	0.00	0.00	9	0	5,397	AS
0980C		Grandview Point Road Parking	Adjacent To Route 0264 at MP 0.72 on Left	0.00	0.00	0.00	9	0	2,891	AS
0981		Lipan Point Parking	From End of Route 0267 To Parking	0.00	0.00	0.00	9	0	15,171	AS
0982		Maintaining Mountain Meadows Parking	Adjacent To Route 013 at MP 1.5 right	0.00	0.00	0.00	9	0	2,554	AS
0983A	56564	Apache West Parking A	Adjacent To Route 0414 at MP 0.12 on Right	0.00	0.00	0.00	9	0	1,129	AS
0983B		Apache West Parking B	Adjacent To Route 0414 at MP 0.1 on Left	0.00	0.00	0.00	9	0	4,604	AS
0983C		Apache West Parking C	Adjacent To Route 0414 at MP 0.1 on Right	0.00	0.00	0.00	9	0	550	AS
0983D		Apache West Parking D	Adjacent To Route 0414 at MP 0.08 on Right	0.00	0.00	0.00	9	0	316	AS
0983E		Apache West Parking E	Adjacent To Route 0414 at MP 0.07 on Right	0.00	0.00	0.00	9	0	458	AS
0983F		Apache West Parking F	Adjacent To Route 0414 at MP 0.07 on Left	0.00	0.00	0.00	9	0	1,465	AS
0983G		Apache West Parking G	Adjacent To Route 0414 at MP 0.05 on Left	0.00	0.00	0.00	9	0	2,567	AS

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GRCA

Grand Canyon National Park

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0984		Yavapai Point Parking	From End of Route 0203	To Parking	0.00	0.00	0.00	9	0	57,970	AS
0986		Boulder West Parking	From Route 408	To Parking	0.00	0.00	0.00	9	0	3,965	AS
0987		Loop Street Parking	From Route 408	To Parking	0.00	0.00	0.00	9	0	26,361	AS
0988		NPS Academy Garage Parking	From Route 0204	To Parking	0.00	0.00	0.00	9	0	6,437	AS
0989		River Permit Parking	Adjacent To Route 0429		0.00	0.00	0.00	9	0	4,900	AS
0990A		Tusayan Museum and Ruin Parking A	Adjacent To Route 0266 on Right		0.00	0.00	0.00	9	0	4,908	AS
0990B		Tusayan Museum and Ruin Parking B	Adjacent To Route 0266 on Left		0.00	0.00	0.00	9	0	2,650	AS
0991A		Moran Point Parking A	Adjacent To Route 0265 on Right		0.00	0.00	0.00	9	0	6,004	AS
0991B		Moran Point Parking B	Adjacent To Route 0265 on Left		0.00	0.00	0.00	9	0	3,088	AS
0992		Visitor Center Bus Parking	From Route 0485	To Parking	0.00	0.00	0.00	9	0	0	GR
0993		Book Store Employee Parking	From Route 0485	To Parking	0.00	0.00	0.00	9	0	9,135	AS
0994		Trailer Village Dorm Parking	Adjacent To Route 0277A		0.00	0.00	0.00	9	0	18,775	AS
0995		Grand Canyon Recreation Center Parking	At End of Route 0202		0.00	0.00	0.00	9	0	22,706	AS
0996		Canyon Cafe Parking	Adjacent To Route 0446		0.00	0.00	0.00	9	0	4,555	AS
0997		Campground Registration/ Campfire Program Parking	From Route 0201	To Route 0273A	0.00	0.00	0.00	9	0	19,452	AS
0998		North Rim Campground Dump Station	Adjacent To Route 0273A		0.00	0.00	0.00	9	0	6,945	AS
0999		New Maintenance Area	At End of Route 0428		0.00	0.00	0.00	9	0	196,651	CO
1000		Weigh Station	Adjacent to Route 0428		0.00	0.00	0.00	9	0	3,835	AS
1001A		Randy Thompson Circle Parking A	Adjacent To Route 0440 at MP 0.32		0.00	0.00	0.00	9	0	1,254	AS
1001B		Randy Thompson Circle Parking B	Adjacent to Route 0440 at MP 0.35		0.00	0.00	0.00	9	0	1,291	AS
1001C		Randy Thompson Circle Parking C	Adjacent to Route 0440 at MP 0.40		0.00	0.00	0.00	9	0	1,257	AS
1002		Bary Hance Circle Parking	Adjacent To Route 0438		0.00	0.00	0.00	9	0	1,622	AS
1003A		Hermit Circle Parking A	Adjacent To Route 0434		0.00	0.00	0.00	9	0	3,974	AS
1003B		Hermit Circle Parking B	Adjacent To Route 0434		0.00	0.00	0.00	9	0	2,458	AS
1004		Muave Street Parking	At End of Route 0422		0.00	0.00	0.00	9	0	4,594	AS
1005	56581	Grand Canyon Housing Court 1	Adjacent To Route 0422 on Left		0.00	0.00	0.00	9	0	8,996	AS
1006	56582	Grand Canyon Housing Court 2	Adjacent To Route 0422 on Right		0.00	0.00	0.00	9	0	8,727	AS
1007A		Grand Canyon Housing Loop Road Parking A	Adjacent To Route 0423 at MP 0.01 on Right		0.00	0.00	0.00	9	0	1,651	AS
1007B		Grand Canyon Housing Loop Road Parking B	Adjacent To Route 0423 at MP 0.01 on Left		0.00	0.00	0.00	9	0	2,439	AS
1007C		Grand Canyon Housing Loop Road Parking C	Adjacent To Route 0423 at MP 0.04 on Right		0.00	0.00	0.00	9	0	1,830	AS
1007D		Grand Canyon Housing Loop Road Parking D	Adjacent To Route 0423 at MP 0.10 on Left		0.00	0.00	0.00	9	0	1,869	AS

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GRCA

Grand Canyon National Park

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
1007E		Grand Canyon Housing Loop Road Parking E	Adjacent To Route 0423 at MP 0.12 on Right		0.00	0.00	0.00	9	0	2,069	AS
1007F		Grand Canyon Housing Loop Road Parking F	Adjacent To Route 0423 at MP 0.15 on Right		0.00	0.00	0.00	9	0	4,290	AS
1007G		Grand Canyon Housing Loop Road Parking G	Adjacent To Route 0423 at MP 0.15 on Left		0.00	0.00	0.00	9	0	2,647	AS
1008A		Kolb Street Parking A	Adjacent To Route 0419		0.00	0.00	0.00	9	0	1,480	AS
1008B		Kolb Street Parking B	Adjacent To Route 0419		0.00	0.00	0.00	9	0	585	AS
1009	56572	Haluapia Court Parking	Adjacent To Route 0417		0.00	0.00	0.00	9	0	7,179	AS
1010A		Muave Court Parking A	Adjacent To Route 0416 at MP 0.04 on Right		0.00	0.00	0.00	9	0	2,896	AS
1010B		Muave Court Parking B	Adjacent To Route 0416 at MP 0.04 on Left		0.00	0.00	0.00	9	0	2,311	AS
1010C		Muave Court Parking C	Adjacent To Route 0416 at MP 0.07 on Right		0.00	0.00	0.00	9	0	2,840	AS
1010D		Muave Court Parking D	Adjacent To Route 0416 at MP 0.07 on Left		0.00	0.00	0.00	9	0	2,598	AS
1010E		Muave Court Parking E	Adjacent To Route 0416 at MP 0.1 on Left		0.00	0.00	0.00	9	0	2,163	AS
1010F		Muave Court Parking F	Adjacent To Route 0416 at MP 0.13 on Left		0.00	0.00	0.00	9	0	3,227	AS
1010G		Muave Court Parking G	Adjacent To Route 0416 at MP 0.13 on Right		0.00	0.00	0.00	9	0	2,872	AS
1011A		Helicopter Pad A	From Near Route 0450	To Helipad	0.00	0.00	0.00	9	0	1,161	CO
1011B		Helicopter Pad B	From Near Route 0450	To Helipad	0.00	0.00	0.00	9	0	368	CO
1012		Generator Loop Parking	From Route 0450	To Parking	0.00	0.00	0.00	9	0	5,774	AS
1013		Bunkhouse Parking	Adjacent To Route 0405 on left		0.00	0.00	0.00	9	0	1,220	AS
1014A		Concession Dorm Parking	Adjacent To Route 0448B		0.00	0.00	0.00	9	0	7,204	AS
1014B		Concessionaire Cafeteria Parking	Adjacent To Route 0448A		0.00	0.00	0.00	9	0	1,417	AS
1014C		Cafeteria Employee Parking	Adjacent To Route 0448A		0.00	0.00	0.00	9	0	2,051	AS
1014D		Concessionaire Dorm Parking	Adjacent To Route 0448A		0.00	0.00	0.00	9	0	4,462	AS
1014E		Concessionaire Dorm Parking	Adjacent To Route 0448A		0.00	0.00	0.00	9	0	3,680	AS
1014F		Concessionaire Dorm Parking	Adjacent To Route 0448B		0.00	0.00	0.00	9	0	2,659	AS
1015		Cape Royal Parking	At End of Route 0013		0.00	0.00	0.00	9	0	0	GR
1016		Mather Campground Dump Station	From Route 0941	To Parking	0.00	0.00	0.00	9	0	6,767	AS
1017		Residence Parking Area	Adjacent to Route 0405		0.00	0.00	0.00	9	0	1,867	AS
Totals					106.24	123.84	230.08			2,704,546	

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General Park Road Functional Classification Table

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

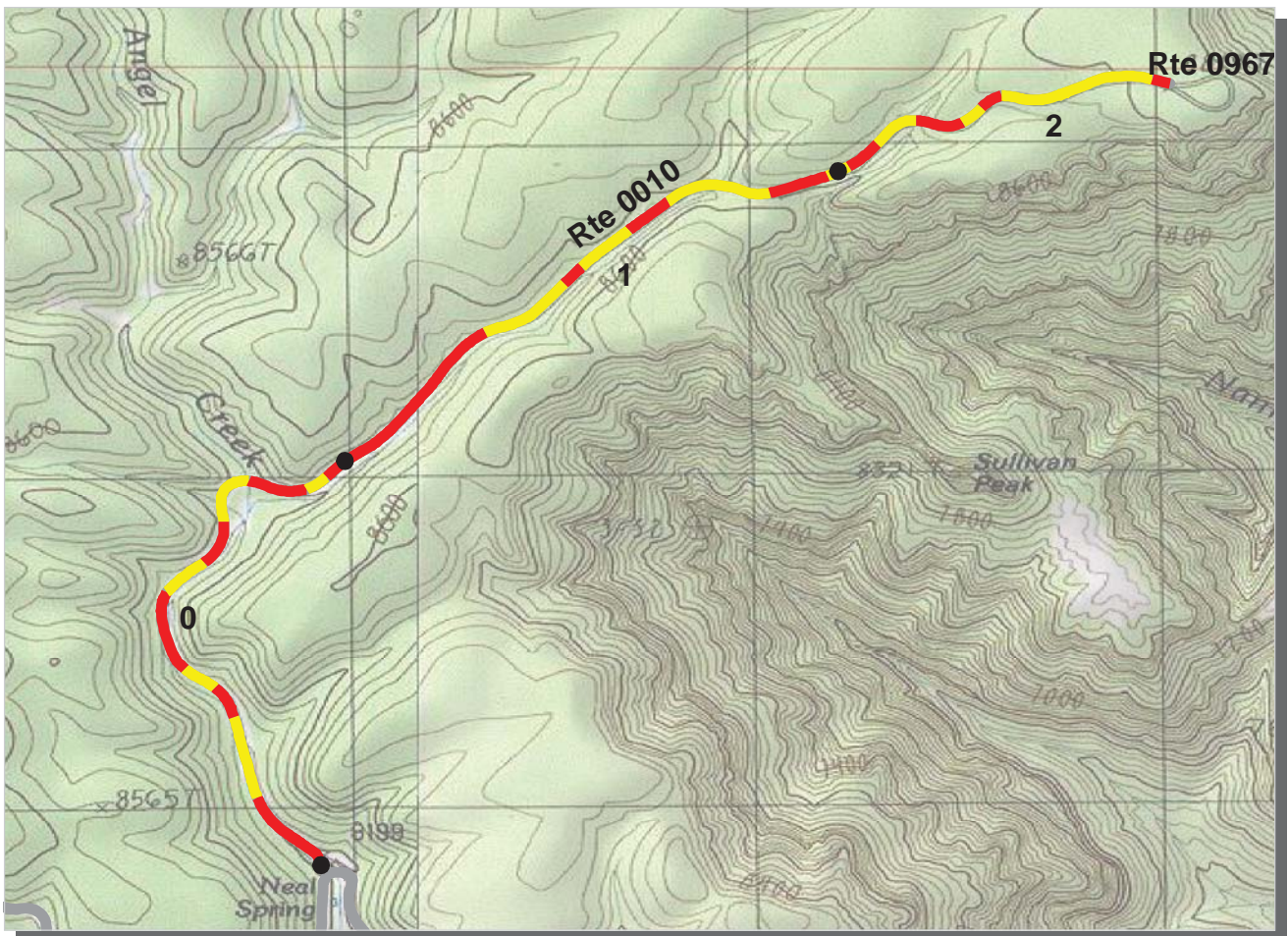
Surface Type Abbreviations:

- 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.



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.

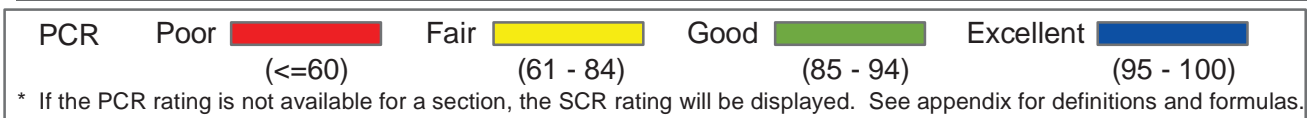
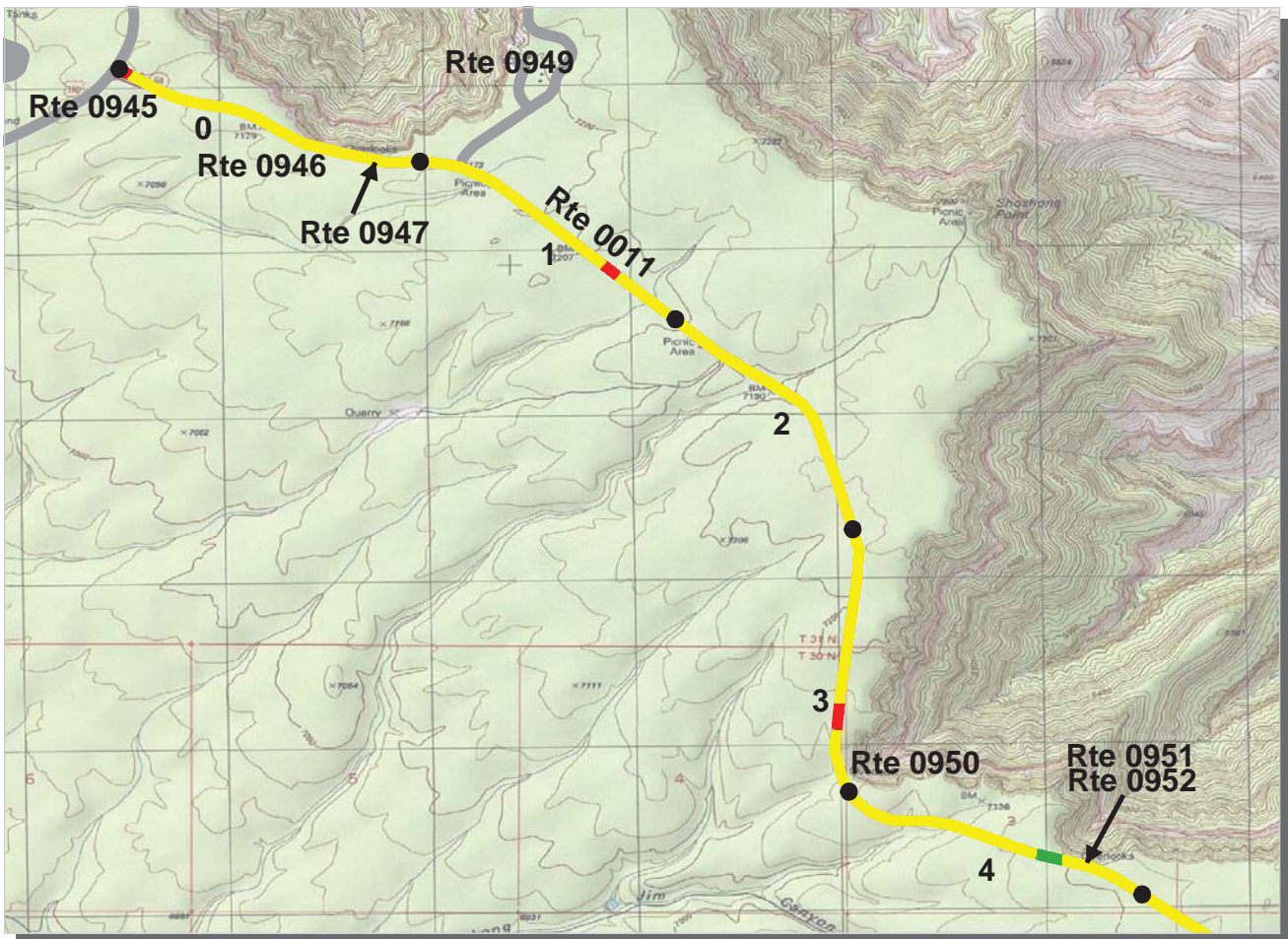
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0010 Point Imperial Road **TOTAL LENGTH: 2.63 Miles**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.63		
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	18	18	20		
Lane Width (ft)	9	9	10		
Shoulder Width (ft)	3	0	0		
Roadway Condition Information					
PCR (Pavement Condition Rating)	54	60	60		
RCI (Roughness Condition Index)	84	88	86		
SCR (Surface Condition Rating)	38	41	45		
Alligator Cracking Index	99	100	100		
Rutting Index	38	41	46		
Patching Index	99	99	100		
Transverse Cracking Index	99	99	99		
Longitudinal Cracking Index	99	99	99		
Shoulder Condition Rating	GOOD	N/A	N/A		
Drainage Condition Rating	GOOD	GOOD	GOOD		

ROUTE: 0010 Point Imperial Road

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



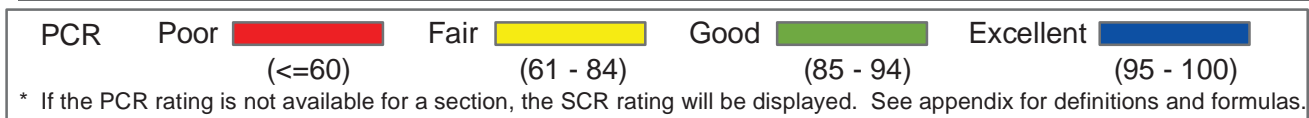
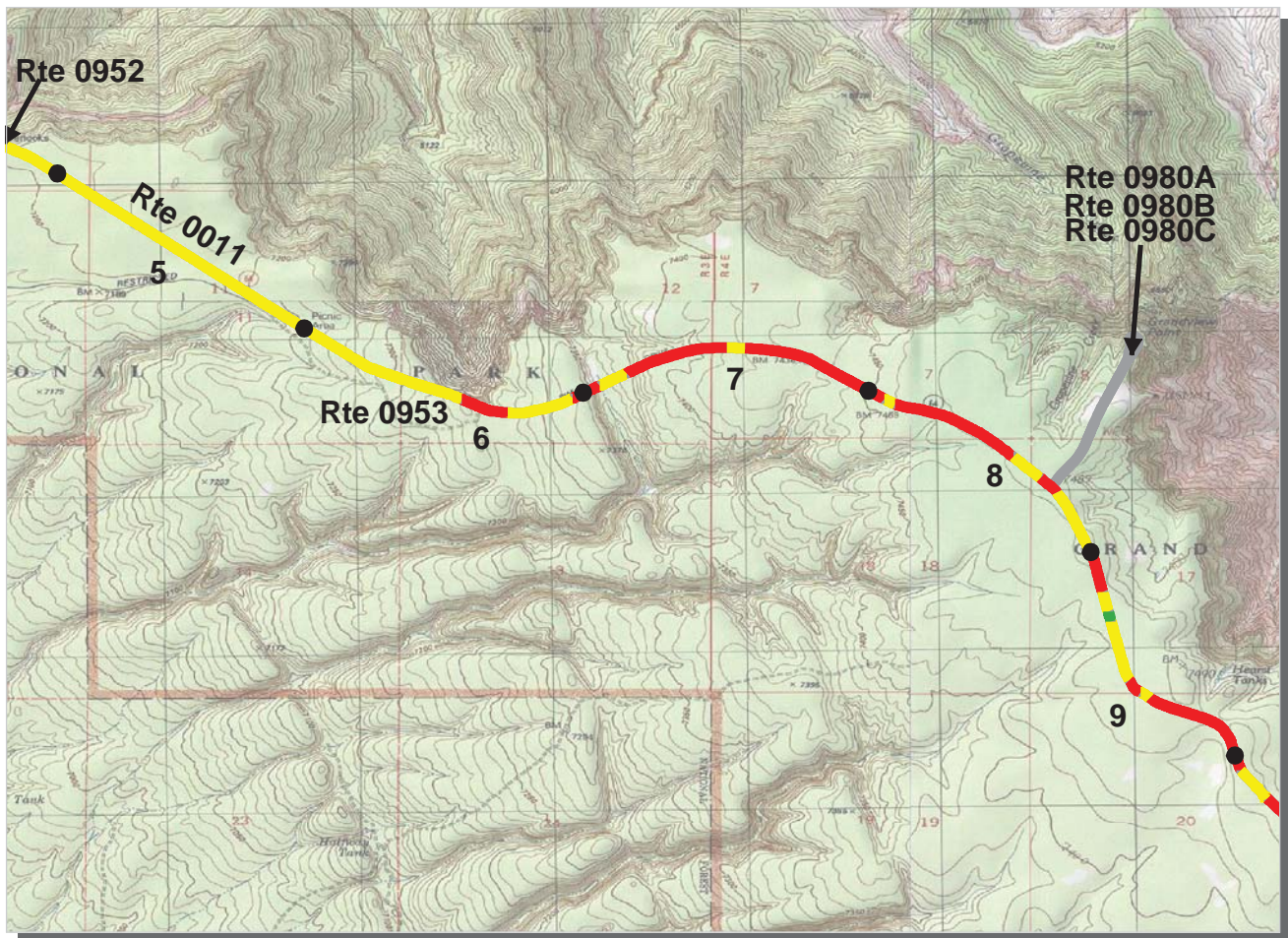
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0011 Desert View Drive **TOTAL LENGTH: 25.12 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	23	21	22	22	21
Lane Width (ft)	12	11	12	11	10
Shoulder Width (ft)	2	4	5	4	4
Roadway Condition Information					
PCR (Pavement Condition Rating)	72	67	76	67	72
RCI (Roughness Condition Index)	99	100	99	99	99
SCR (Surface Condition Rating)	56	46	60	45	54
Alligator Cracking Index	99	99	100	100	100
Rutting Index	61	51	66	53	56
Patching Index	100	100	100	100	99
Transverse Cracking Index	99	99	99	99	99
Longitudinal Cracking Index	95	95	93	92	98
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Desert View Drive

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



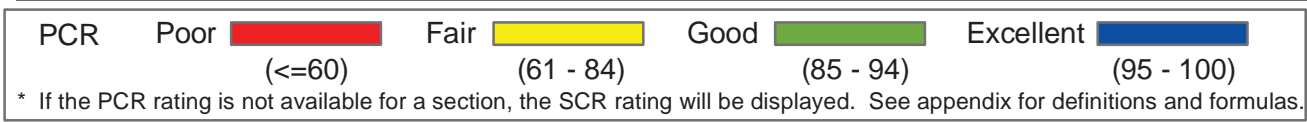
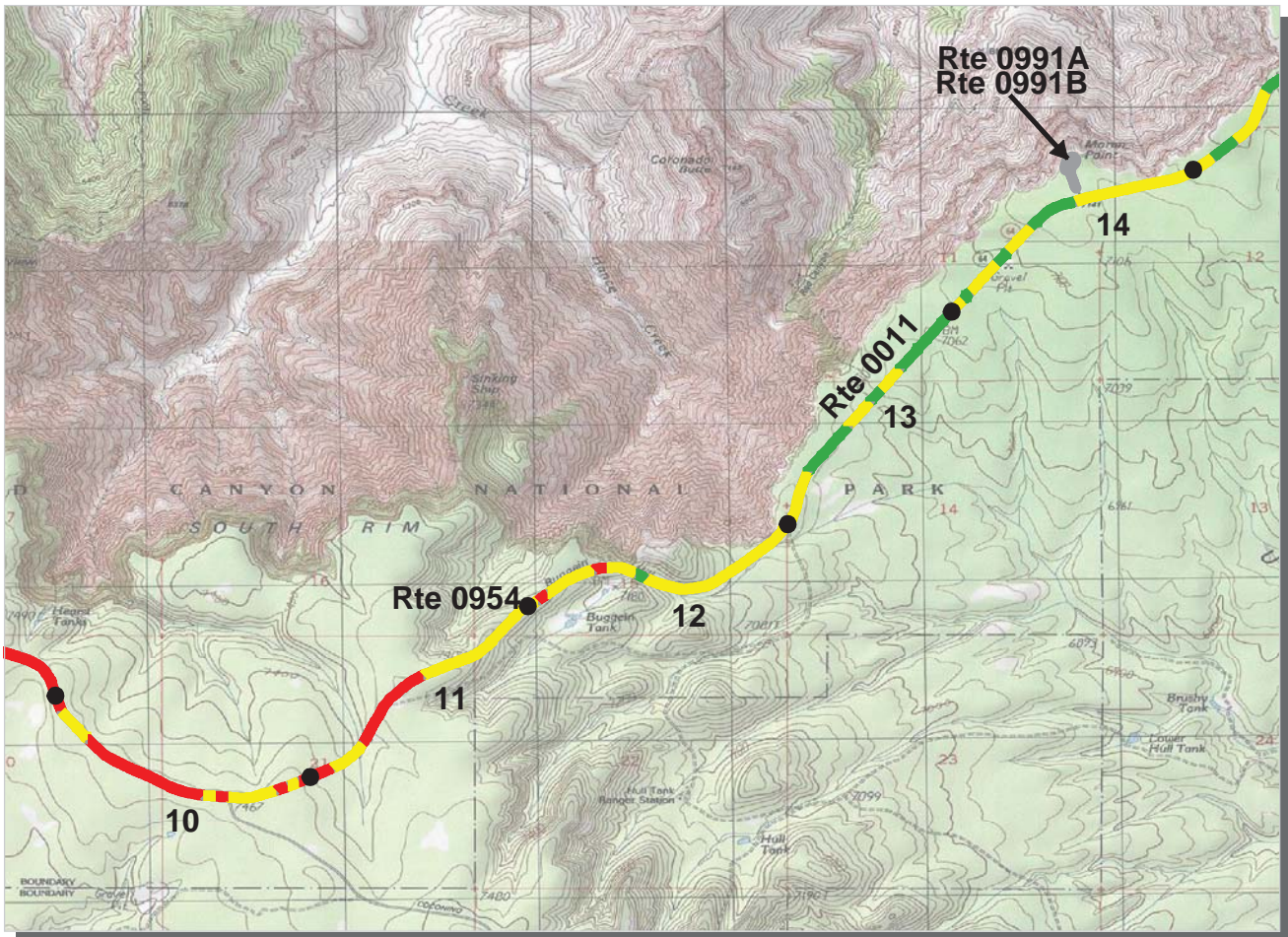
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0011 Desert View Drive **TOTAL LENGTH: 25.12 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	21	21
Lane Width (ft)	11	11	11	11	10
Shoulder Width (ft)	4	5	4	4	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	68	63	53	57	58
RCI (Roughness Condition Index)	99	99	84	79	79
SCR (Surface Condition Rating)	47	39	32	42	44
Alligator Cracking Index	99	99	99	100	100
Rutting Index	52	47	38	43	45
Patching Index	100	99	99	99	99
Transverse Cracking Index	99	98	98	99	99
Longitudinal Cracking Index	94	94	96	98	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Desert View Drive

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



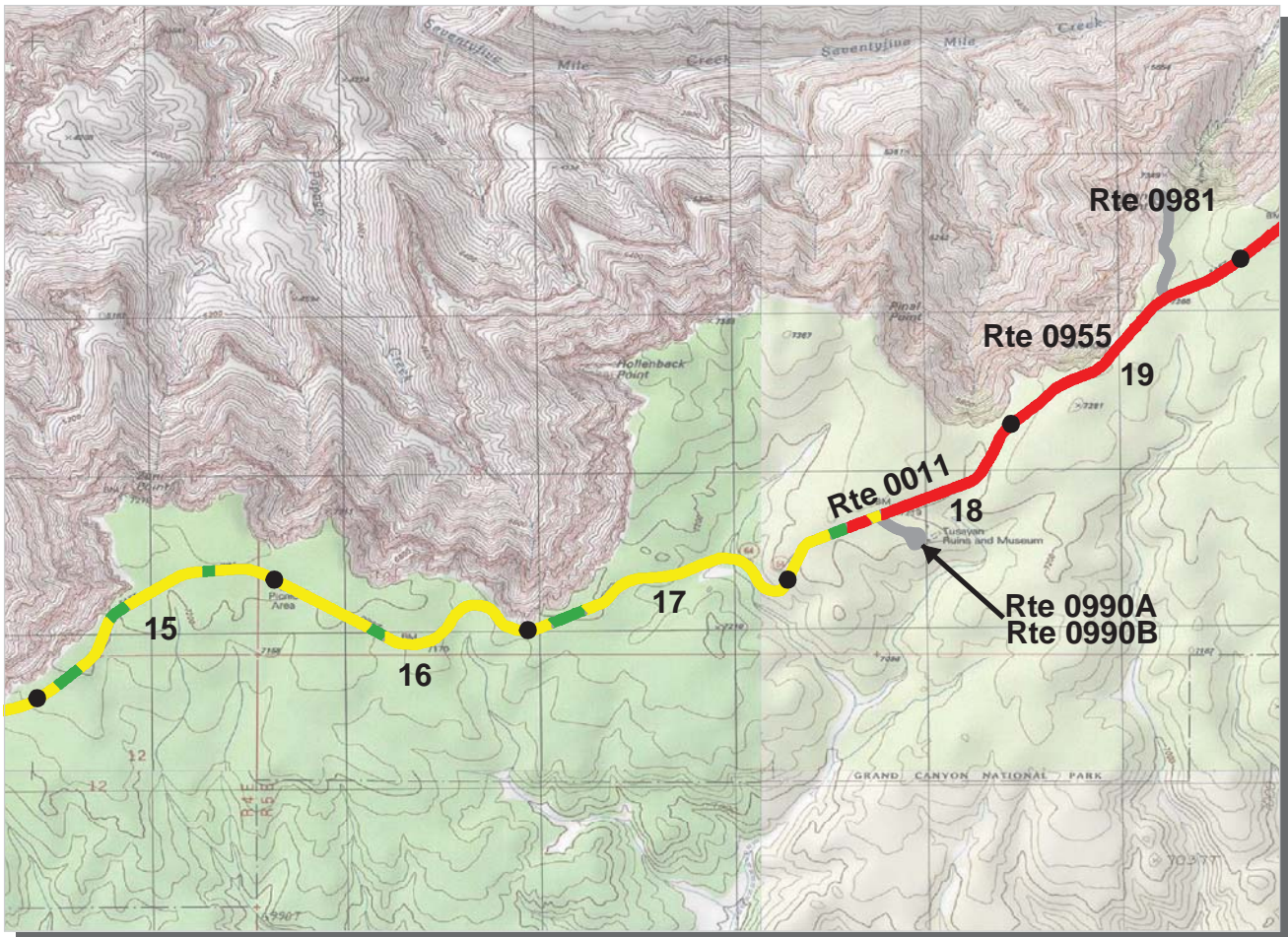
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0011 Desert View Drive **TOTAL LENGTH: 25.12 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	22	22
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	4	5	2	3
Roadway Condition Information					
PCR (Pavement Condition Rating)	54	63	75	82	81
RCI (Roughness Condition Index)	89	91	95	97	100
SCR (Surface Condition Rating)	31	43	63	71	69
Alligator Cracking Index	99	89	98	98	99
Rutting Index	39	58	69	76	71
Patching Index	98	99	100	100	100
Transverse Cracking Index	99	98	98	98	99
Longitudinal Cracking Index	94	94	96	98	98
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Desert View Drive

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



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

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

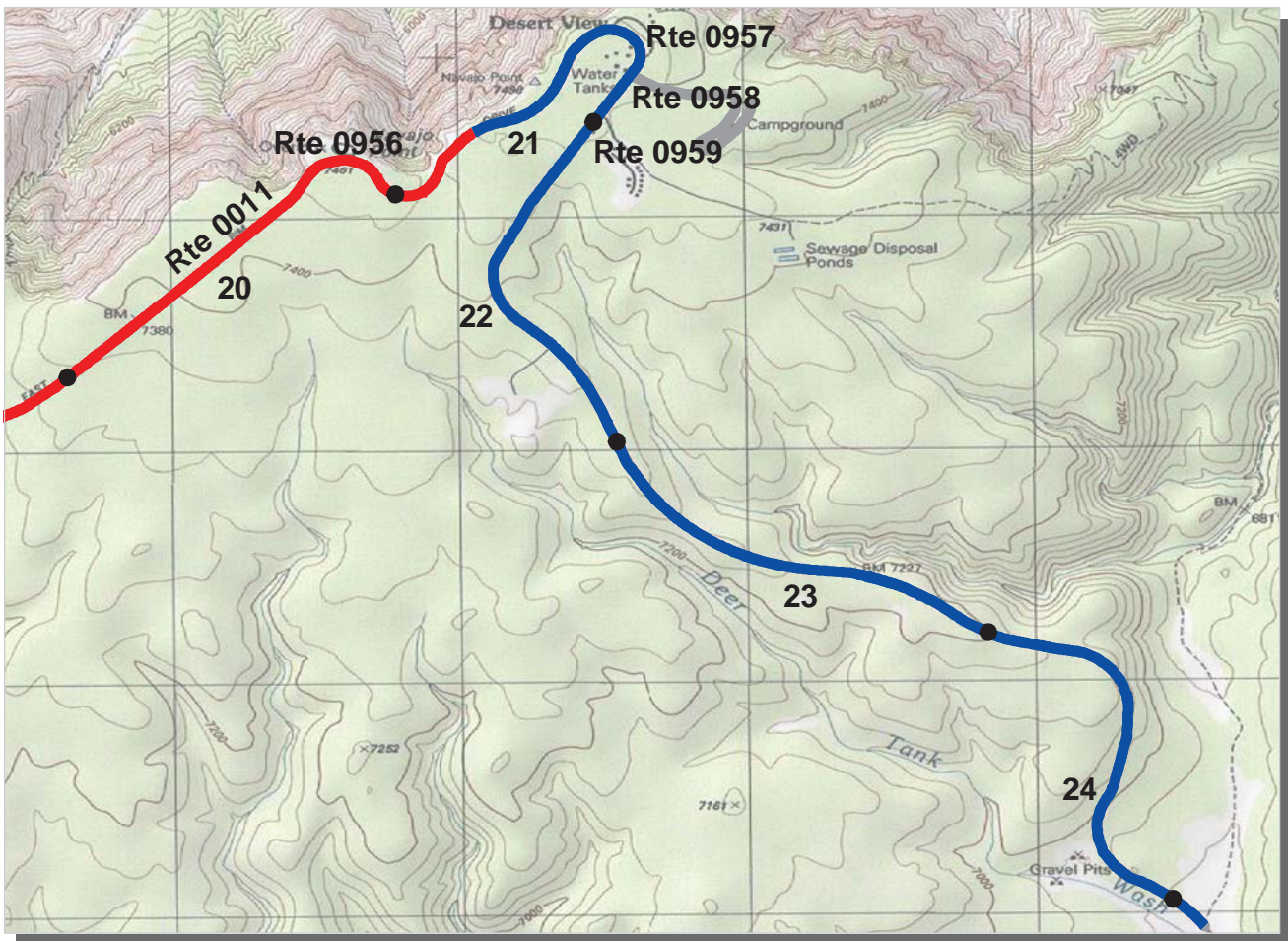
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0011 Desert View Drive **TOTAL LENGTH: 25.12 Miles**

Section Number	15	16	17	18	19
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	21	22
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	4	5	3	3
Roadway Condition Information					
PCR (Pavement Condition Rating)	81	79	79	51	38
RCI (Roughness Condition Index)	100	100	99	82	80
SCR (Surface Condition Rating)	69	66	65	30	10
Alligator Cracking Index	99	100	99	94	80
Rutting Index	70	67	66	51	43
Patching Index	100	100	100	99	99
Transverse Cracking Index	99	99	99	87	80
Longitudinal Cracking Index	99	99	99	95	91
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Desert View Drive

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



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

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

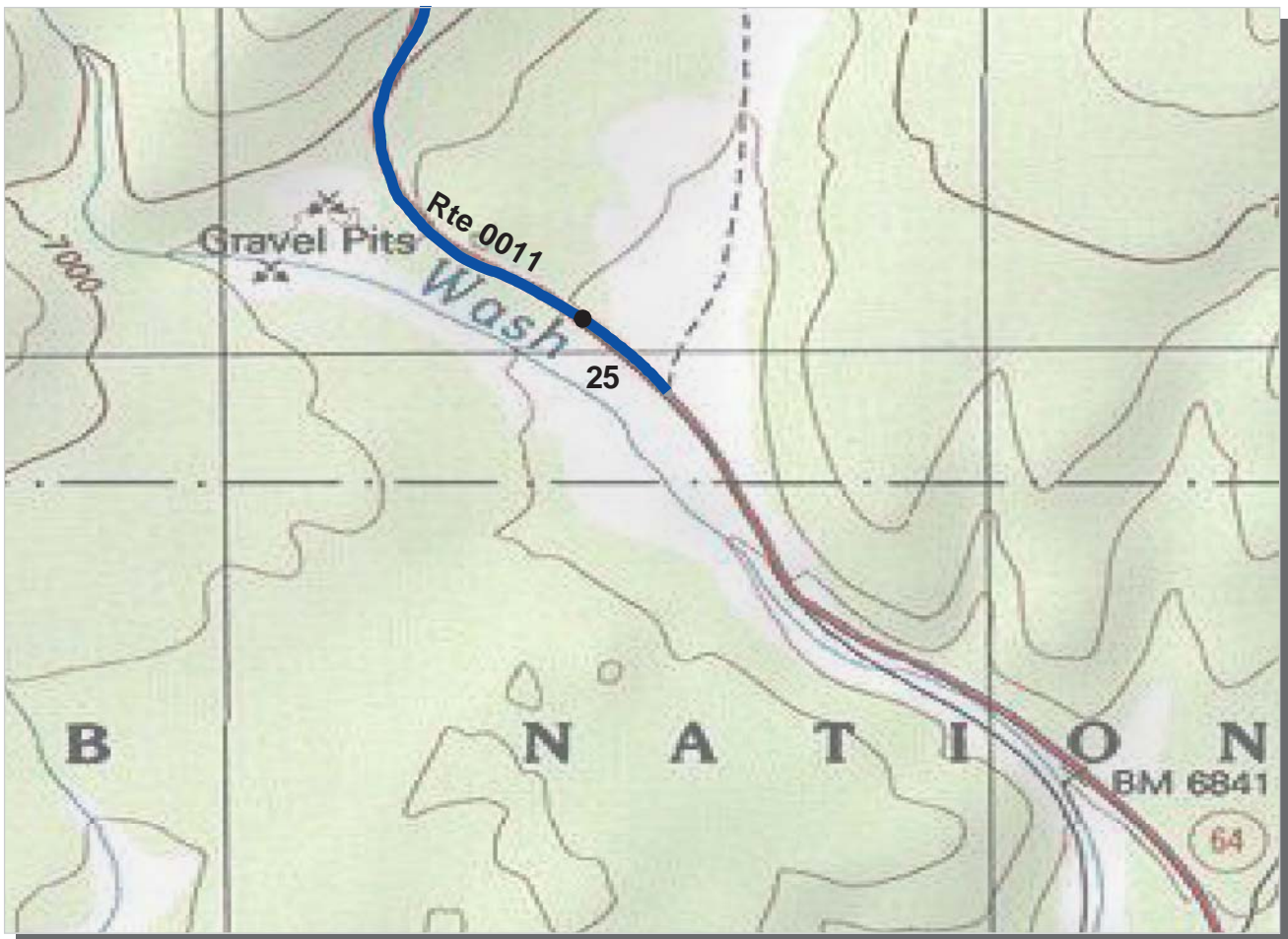
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0011 Desert View Drive **TOTAL LENGTH: 25.12 Miles**

Section Number	20	21	22	23	24
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	21	22	20	20
Lane Width (ft)	10	11	11	9	10
Shoulder Width (ft)	5	5	5	6	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	30	84	100	100	100
RCI (Roughness Condition Index)	66	81	-1	-1	-1
SCR (Surface Condition Rating)	7	76	100	100	100
Alligator Cracking Index	73	97	100	100	100
Rutting Index	32	86	100	100	100
Patching Index	99	100	100	100	100
Transverse Cracking Index	80	93	100	100	100
Longitudinal Cracking Index	91	97	100	100	100
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0011 Desert View Drive

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



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

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

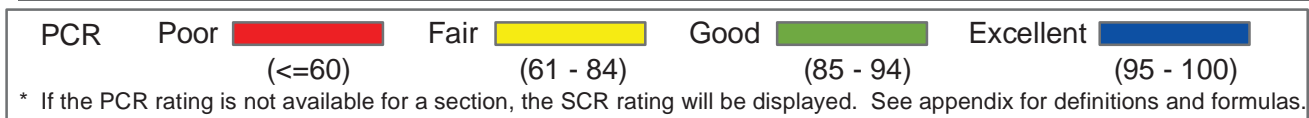
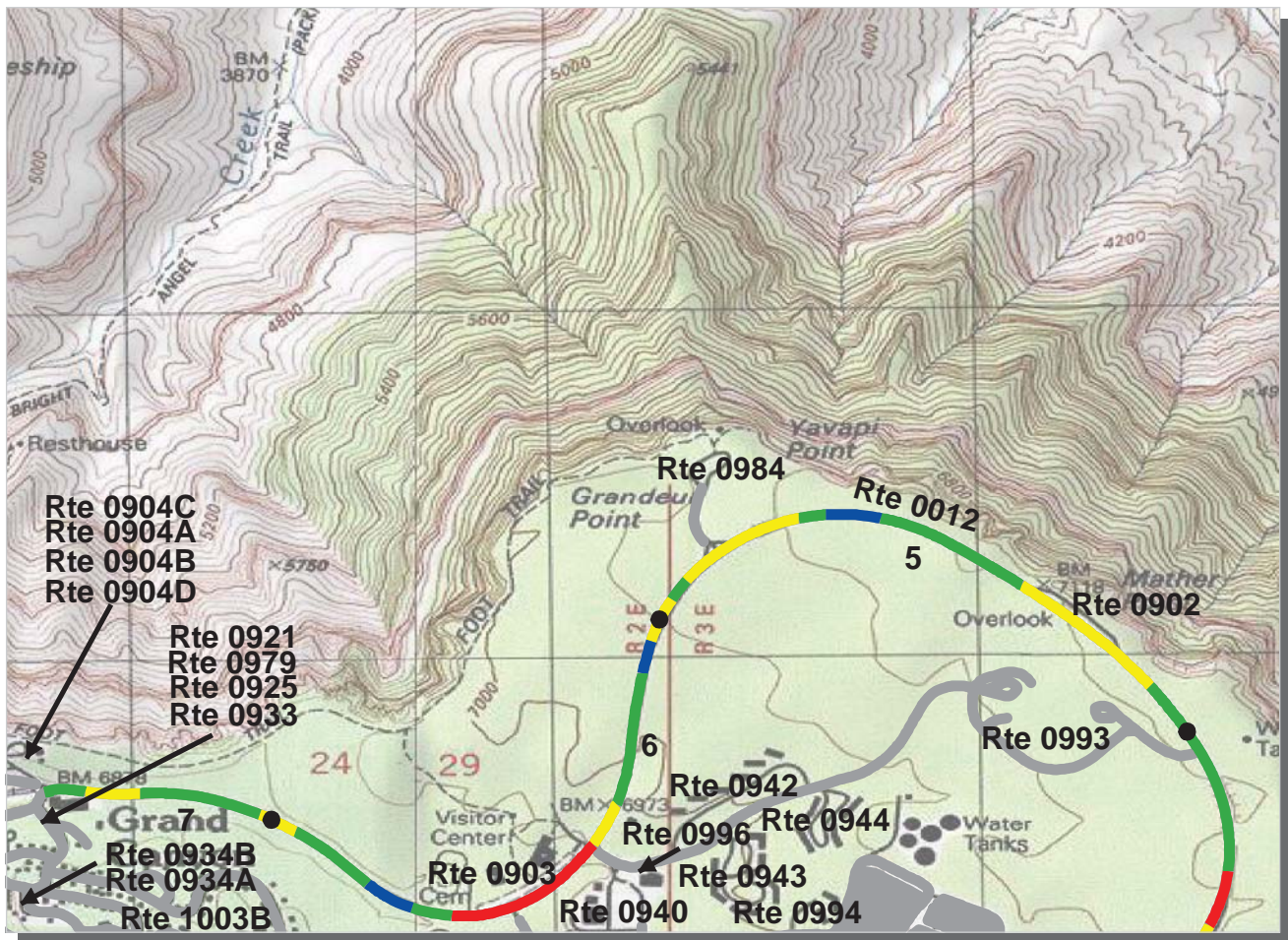
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0011 Desert View Drive **TOTAL LENGTH: 25.12 Miles**

Section Number	25				
Section Length (mi)	0.12				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width (ft)	5				
Roadway Condition Information					
PCR (Pavement Condition Rating)	100				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	100				
Alligator Cracking Index	100				
Rutting Index	100				
Patching Index	100				
Transverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0011 Desert View Drive

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



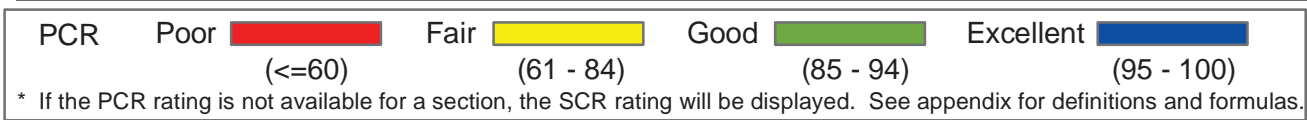
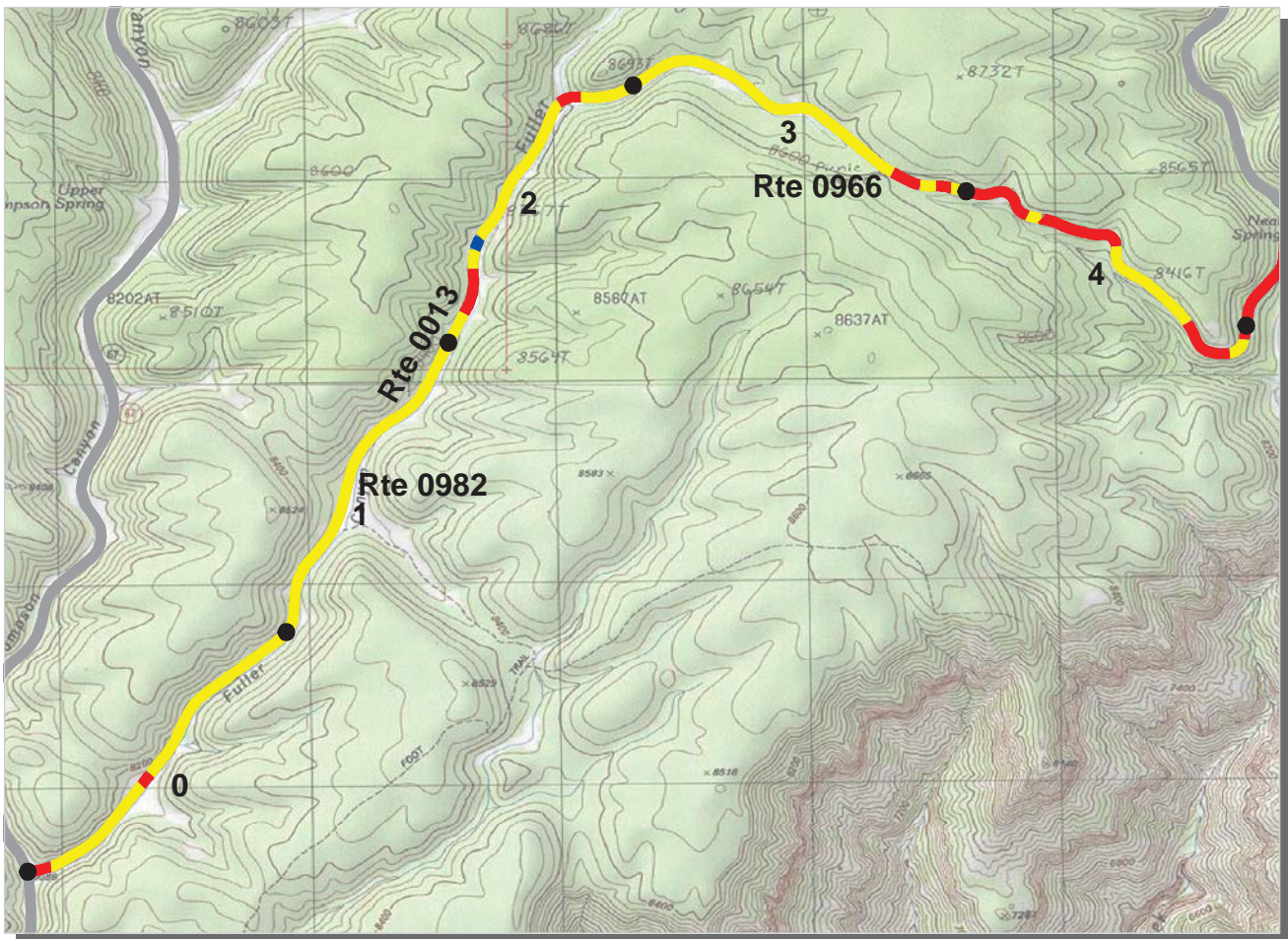
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0012 South Entrance Road **TOTAL LENGTH: 7.36 Miles**

Section Number	5	6	7		
Section Length (mi)	1.00	1.00	0.36		
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	26	38	24		
Lane Width (ft)	13	26	13		
Shoulder Width (ft)	5	0	5		
Roadway Condition Information					
PCR (Pavement Condition Rating)	82	70	82		
RCI (Roughness Condition Index)	96	92	95		
SCR (Surface Condition Rating)	77	65	75		
Alligator Cracking Index	100	88	100		
Rutting Index	77	78	76		
Patching Index	100	99	100		
Transverse Cracking Index	99	97	99		
Longitudinal Cracking Index	99	99	99		
Shoulder Condition Rating	GOOD	N/A	GOOD		
Drainage Condition Rating	GOOD	GOOD	GOOD		

ROUTE: 0012 South Entrance Road

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



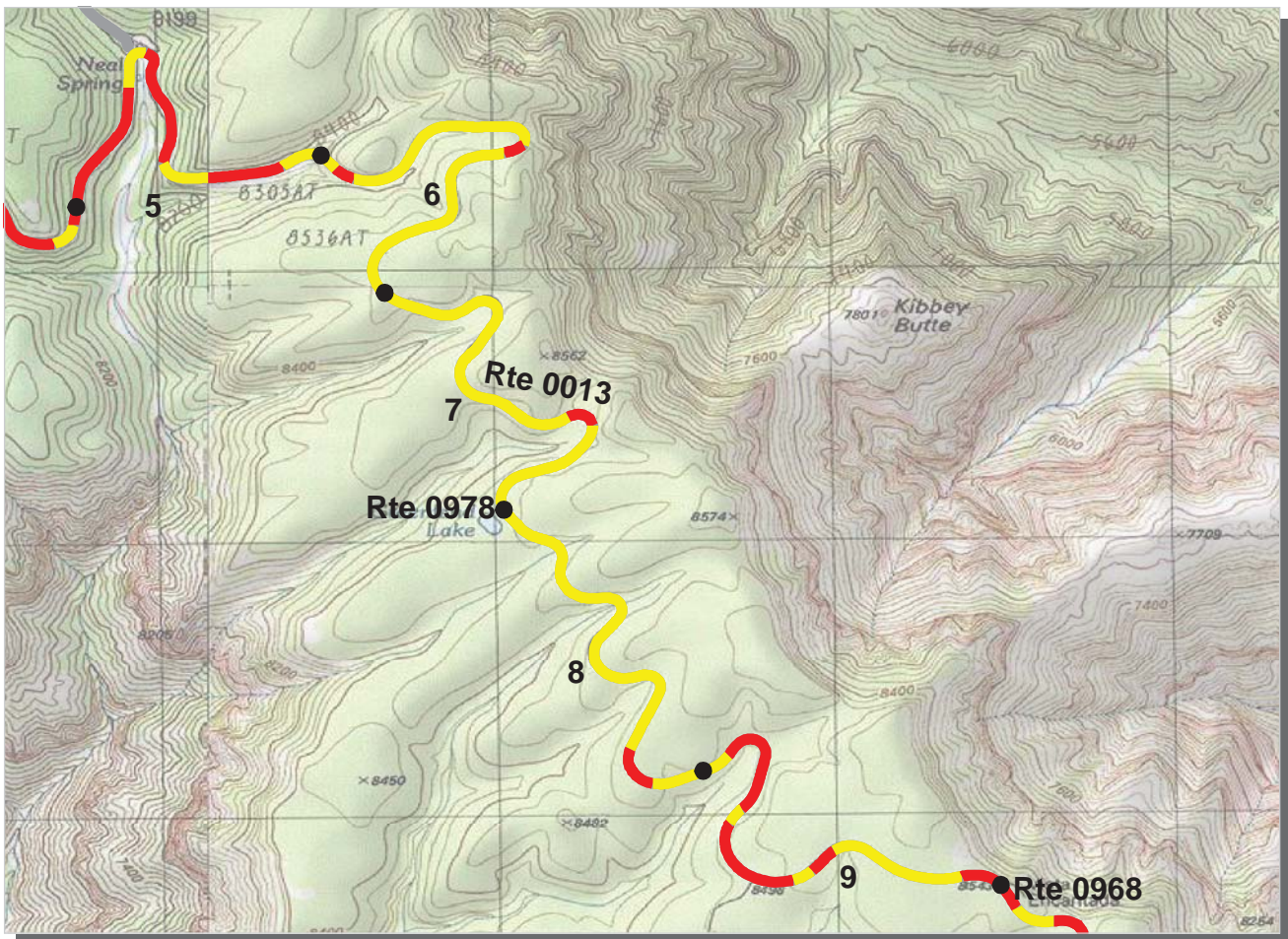
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0013 Cape Royal Road **TOTAL LENGTH: 19.61 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	23	21	19	20	19
Lane Width (ft)	13	10	9	10	10
Shoulder Width (ft)	0	0	2	0	0
Roadway Condition Information					
PCR (Pavement Condition Rating)	73	72	69	70	58
RCI (Roughness Condition Index)	91	89	86	86	68
SCR (Surface Condition Rating)	62	60	58	60	52
Alligator Cracking Index	100	100	100	100	99
Rutting Index	63	61	59	62	53
Patching Index	99	100	99	99	99
Transverse Cracking Index	99	99	99	99	99
Longitudinal Cracking Index	99	99	99	99	99
Shoulder Condition Rating	N/A	N/A	GOOD	N/A	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0013 Cape Royal Road

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



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

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

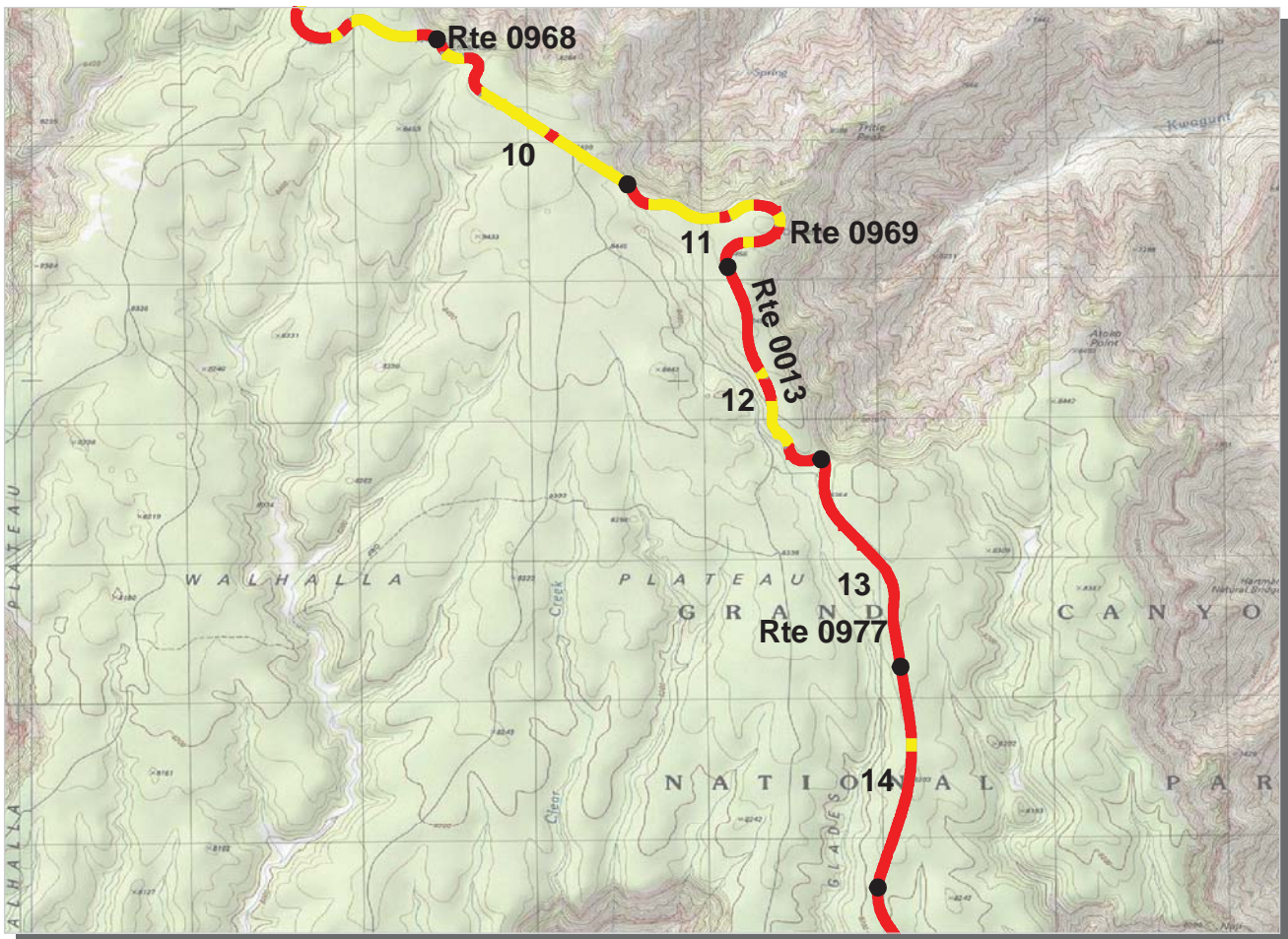
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0013 Cape Royal Road **TOTAL LENGTH: 19.61 Miles**

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	17	19	19	18
Lane Width (ft)	9	8	9	10	9
Shoulder Width (ft)	0	0	0	0	0
Roadway Condition Information					
PCR (Pavement Condition Rating)	51	67	69	69	59
RCI (Roughness Condition Index)	68	83	84	87	77
SCR (Surface Condition Rating)	40	56	60	57	48
Alligator Cracking Index	99	100	99	99	99
Rutting Index	45	57	61	58	49
Patching Index	95	99	100	100	100
Transverse Cracking Index	99	99	99	99	99
Longitudinal Cracking Index	98	99	99	99	99
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0013 Cape Royal Road

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



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

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

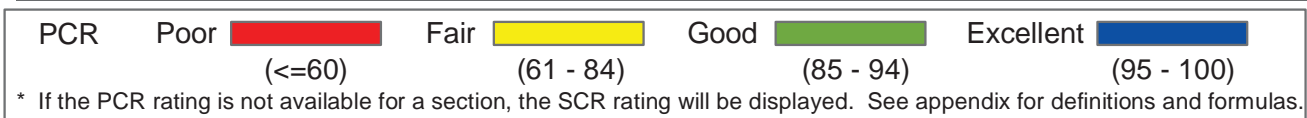
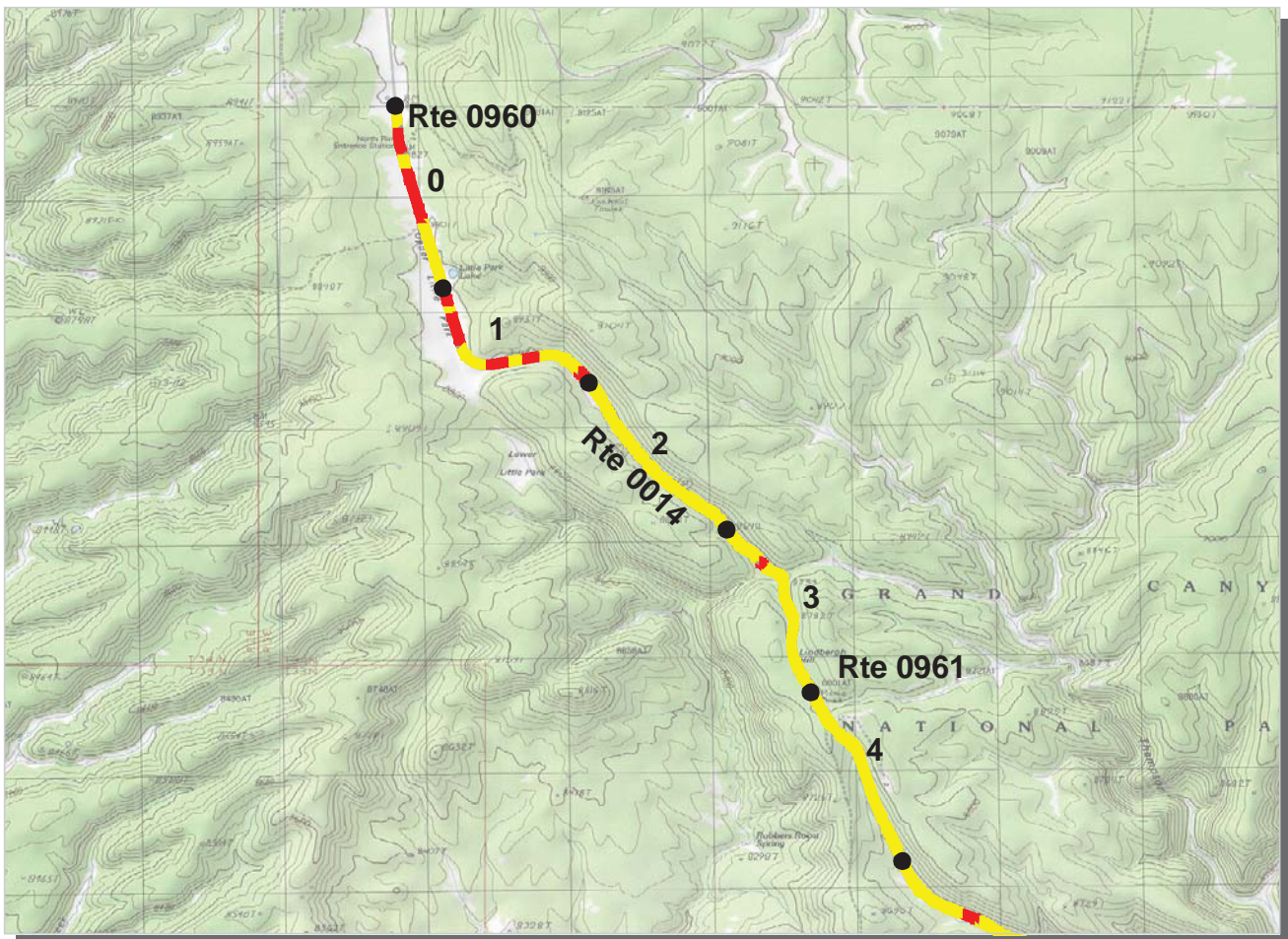
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0013 Cape Royal Road **TOTAL LENGTH: 19.61 Miles**

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	18	19	18	18	19
Lane Width (ft)	9	10	8	9	10
Shoulder Width (ft)	0	0	0	0	0
Roadway Condition Information					
PCR (Pavement Condition Rating)	62	59	58	47	47
RCI (Roughness Condition Index)	77	72	71	58	65
SCR (Surface Condition Rating)	52	51	50	40	36
Alligator Cracking Index	99	100	99	99	99
Rutting Index	53	51	50	41	37
Patching Index	99	100	100	100	100
Transverse Cracking Index	99	99	99	99	99
Longitudinal Cracking Index	99	99	99	99	99
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0013 Cape Royal Road

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



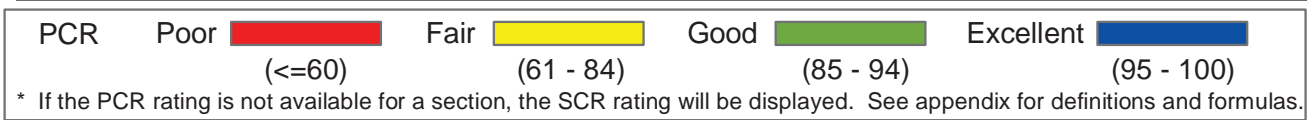
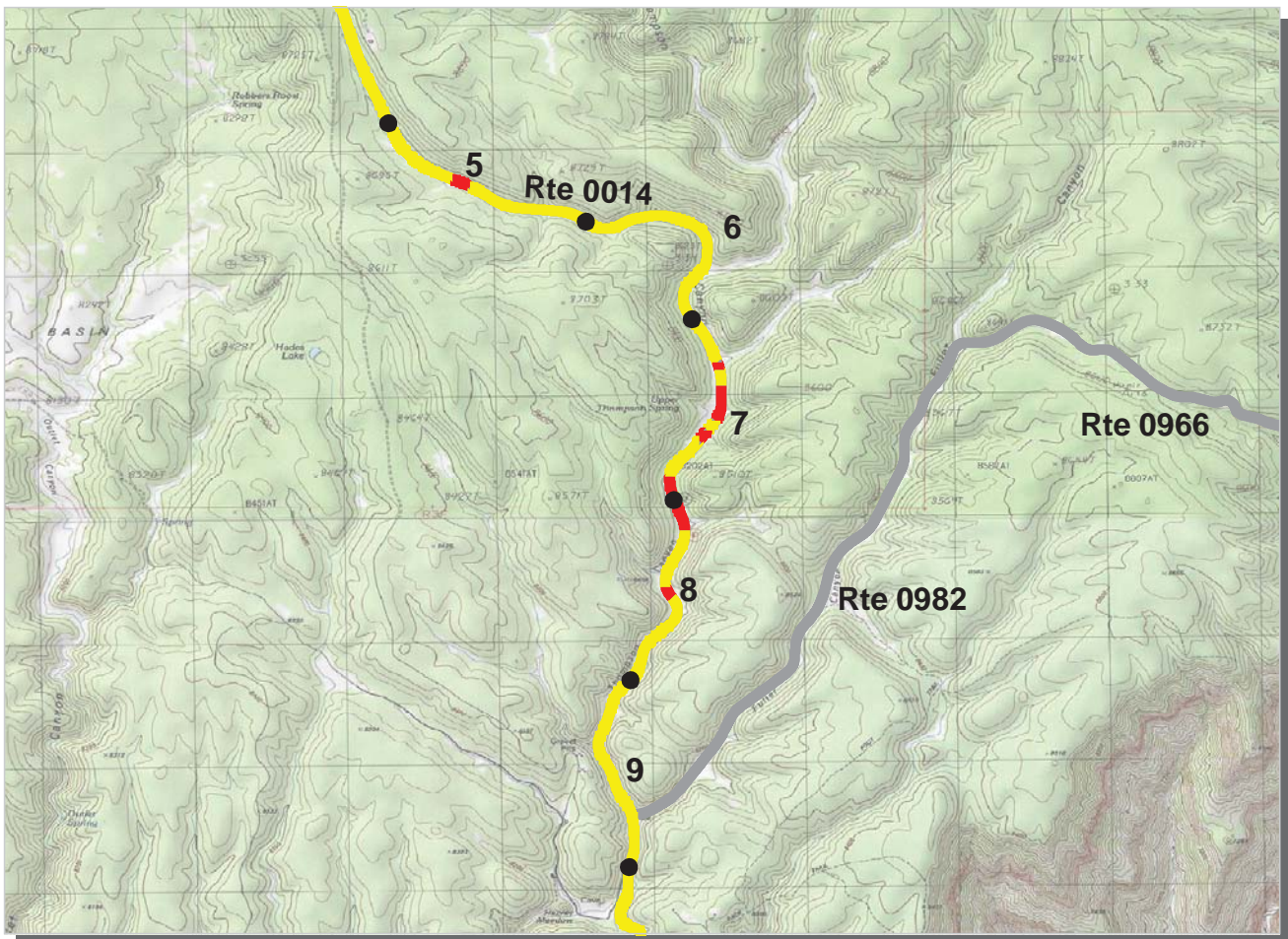
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0014 North Entrance Road (Hwy 67) TOTAL LENGTH: 12.69 Miles

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	25	21	21	23	21
Lane Width (ft)	11	10	10	11	11
Shoulder Width (ft)	3	2	2	4	2
Roadway Condition Information					
PCR (Pavement Condition Rating)	54	60	67	68	67
RCI (Roughness Condition Index)	90	94	98	98	98
SCR (Surface Condition Rating)	37	36	46	48	46
Alligator Cracking Index	100	100	100	100	100
Rutting Index	42	40	46	49	47
Patching Index	99	100	100	100	100
Transverse Cracking Index	96	97	99	99	99
Longitudinal Cracking Index	97	98	99	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0014 North Entrance Road (Hwy 67)

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



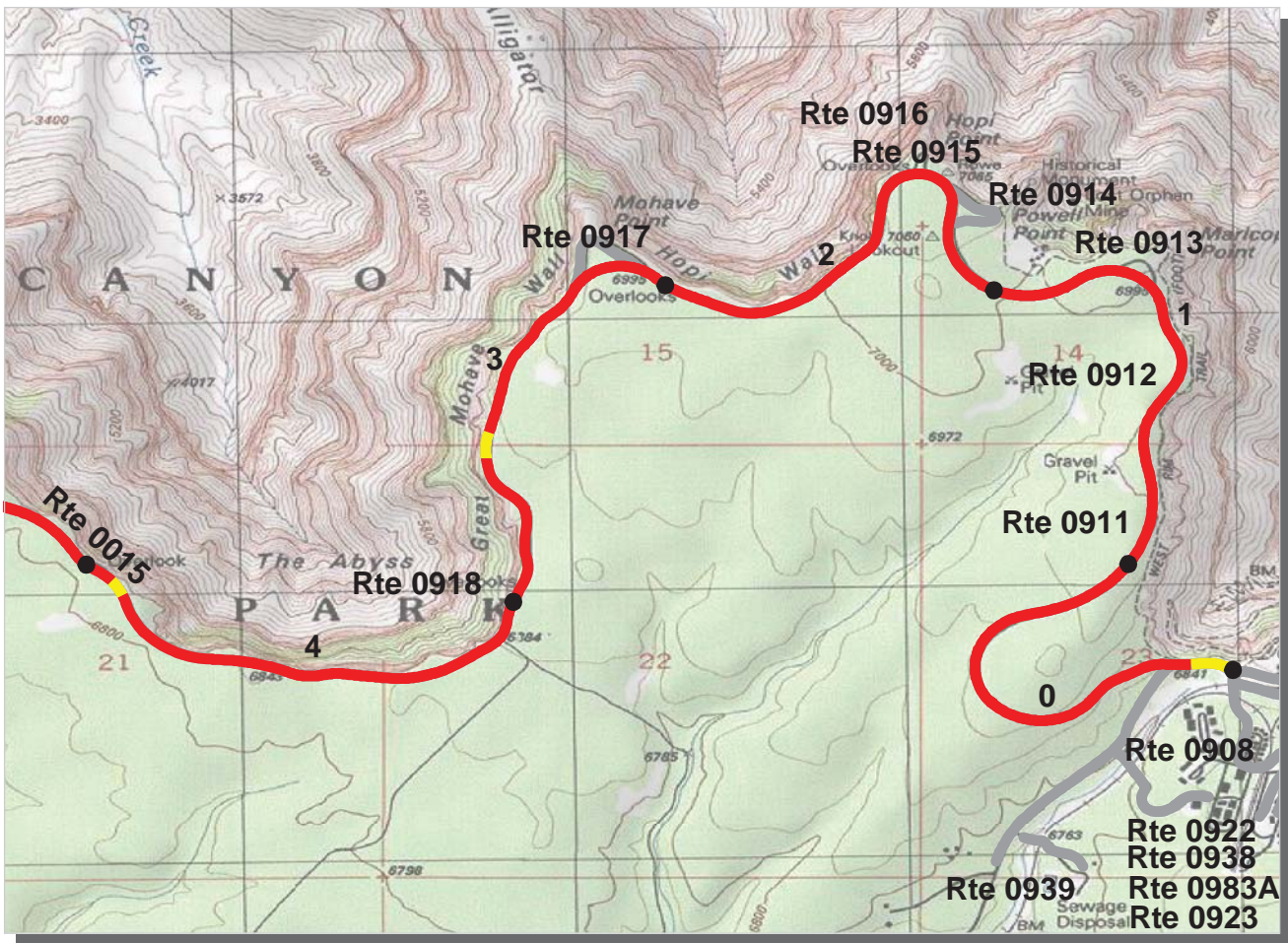
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0014 North Entrance Road (Hwy 67) TOTAL LENGTH: 12.69 Miles

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	22	23	22	21
Lane Width (ft)	9	10	12	11	11
Shoulder Width (ft)	3	2	2	2	3
Roadway Condition Information					
PCR (Pavement Condition Rating)	67	68	62	67	70
RCI (Roughness Condition Index)	99	99	97	98	99
SCR (Surface Condition Rating)	49	47	39	45	51
Alligator Cracking Index	100	100	100	100	100
Rutting Index	50	48	45	49	53
Patching Index	100	100	100	100	100
Transverse Cracking Index	99	99	97	98	99
Longitudinal Cracking Index	99	99	95	97	98
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0014 North Entrance Road (Hwy 67)

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



PCR Poor ■ Fair ■ Good ■ Excellent ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)
 * If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

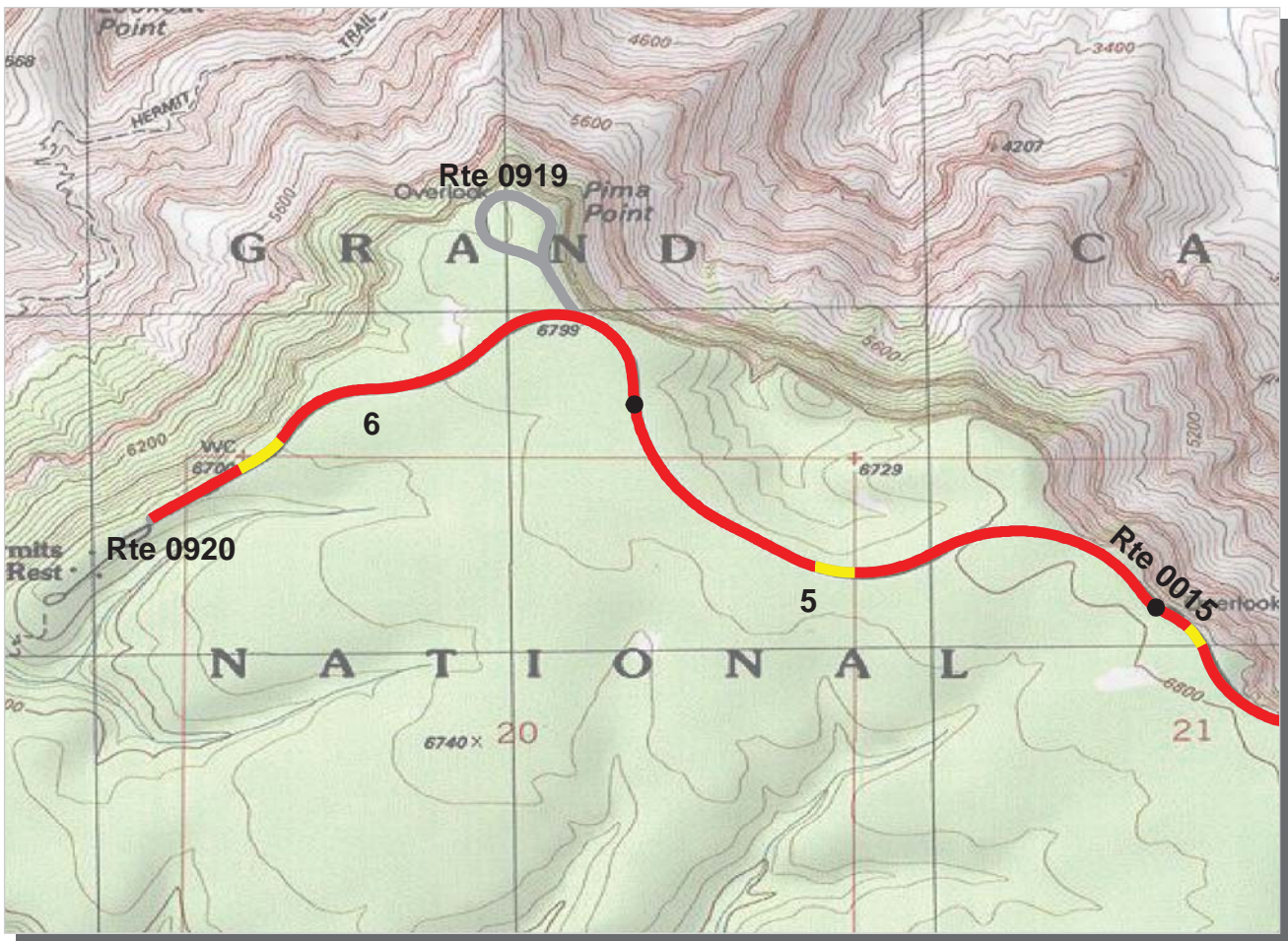
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0015 Hermit Rest Road **TOTAL LENGTH: 6.98 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	21	20	20
Lane Width (ft)	12	11	10	10	10
Shoulder Width (ft)	0	4	3	4	3
Roadway Condition Information					
PCR (Pavement Condition Rating)	27	28	15	21	19
RCI (Roughness Condition Index)	48	41	36	47	40
SCR (Surface Condition Rating)	11	19	1	4	5
Alligator Cracking Index	31	44	24	30	30
Rutting Index	47	50	45	46	45
Patching Index	99	99	99	99	99
Transverse Cracking Index	91	86	74	81	86
Longitudinal Cracking Index	95	95	92	94	95
Shoulder Condition Rating	N/A	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0015 Hermit Rest Road

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



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

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

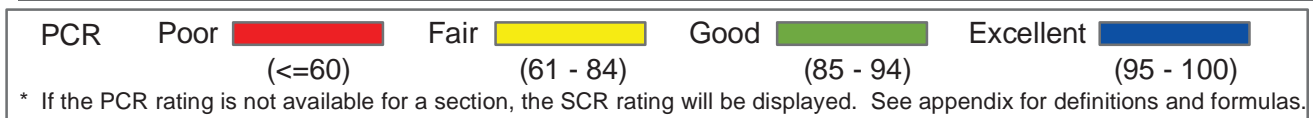
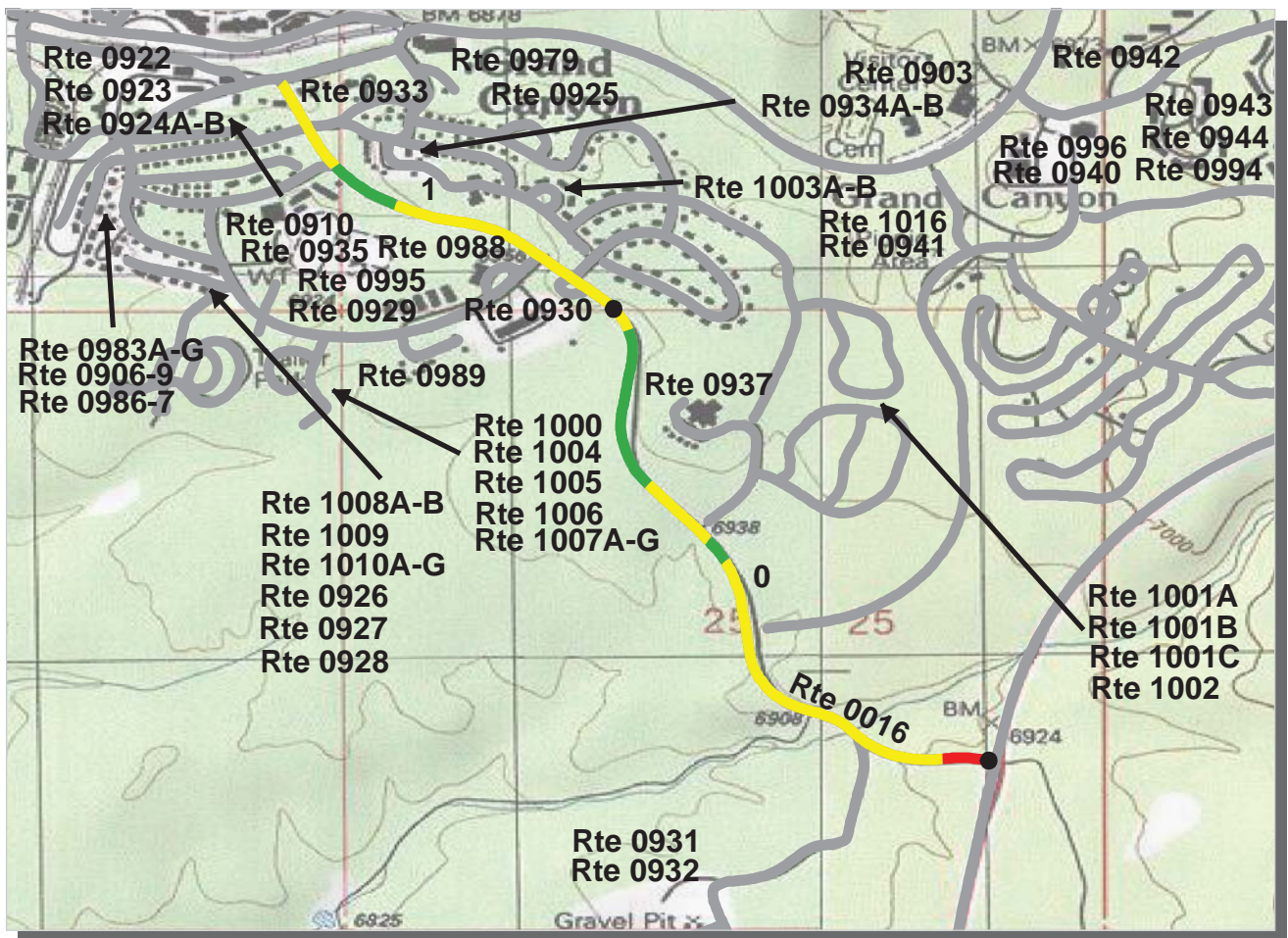
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0015 Hermit Rest Road **TOTAL LENGTH: 6.98 Miles**

Section Number	5	6			
Section Length (mi)	1.00	0.98			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	20	19			
Lane Width (ft)	10	10			
Shoulder Width (ft)	4	2			
Roadway Condition Information					
PCR (Pavement Condition Rating)	29	26			
RCI (Roughness Condition Index)	49	49			
SCR (Surface Condition Rating)	15	11			
Alligator Cracking Index	57	64			
Rutting Index	47	48			
Patching Index	99	99			
Transverse Cracking Index	85	80			
Longitudinal Cracking Index	95	93			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0015 Hermit Rest Road

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



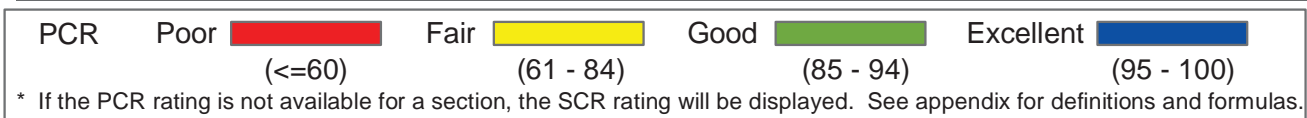
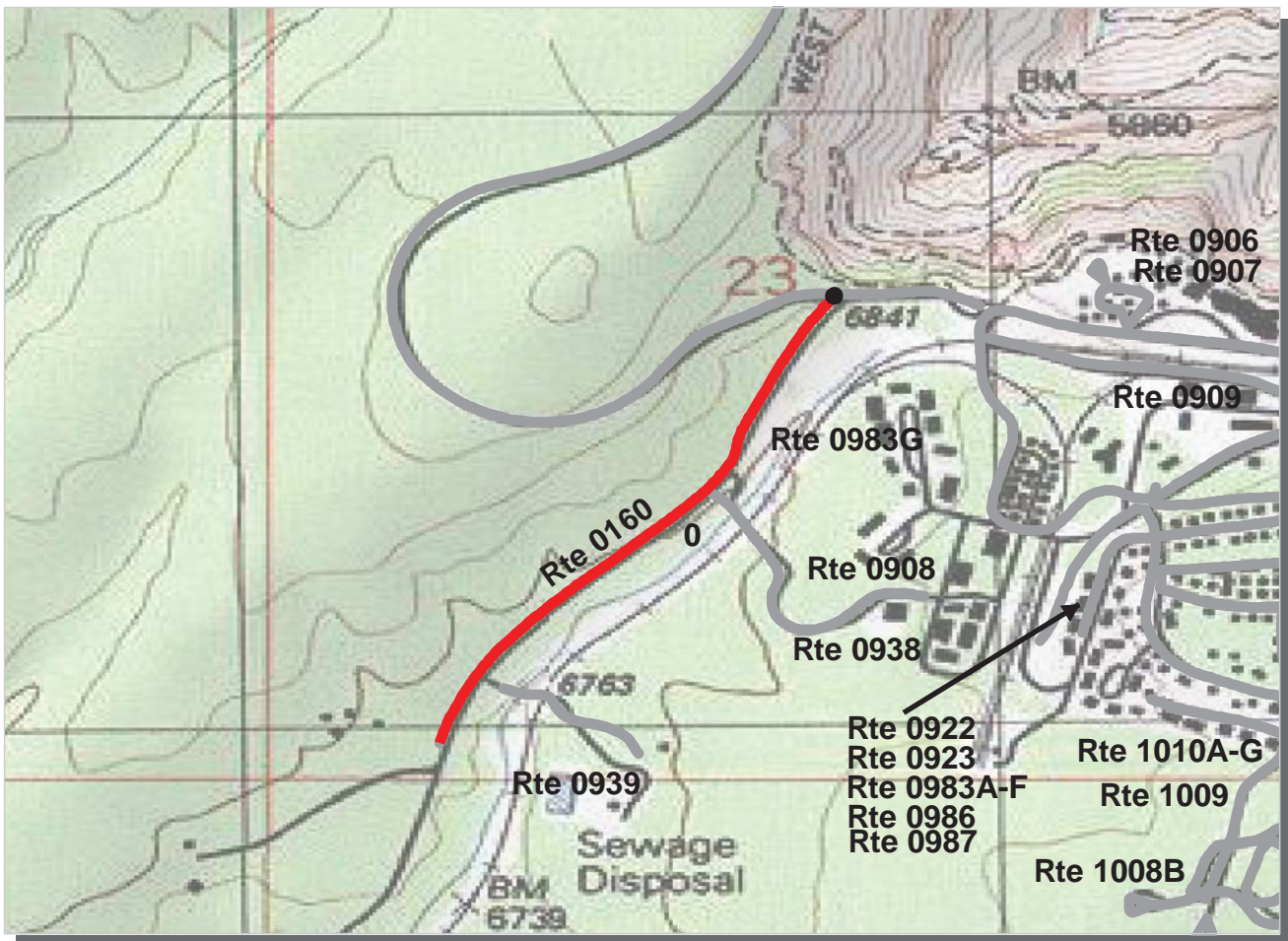
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0016 Center Road **TOTAL LENGTH: 1.61 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.61			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	25	25			
Lane Width (ft)	14	14			
Shoulder Width (ft)	5	5			
Roadway Condition Information					
PCR (Pavement Condition Rating)	79	76			
RCI (Roughness Condition Index)	98	94			
SCR (Surface Condition Rating)	69	66			
Alligator Cracking Index	100	100			
Rutting Index	71	67			
Patching Index	100	99			
Transverse Cracking Index	98	99			
Longitudinal Cracking Index	99	99			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0016 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>



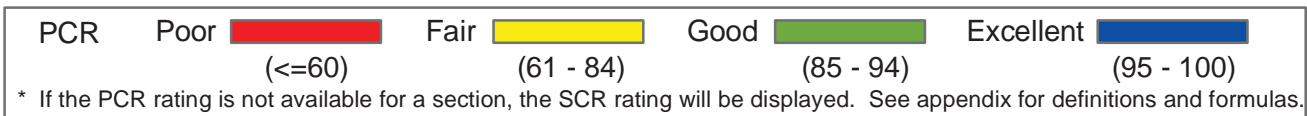
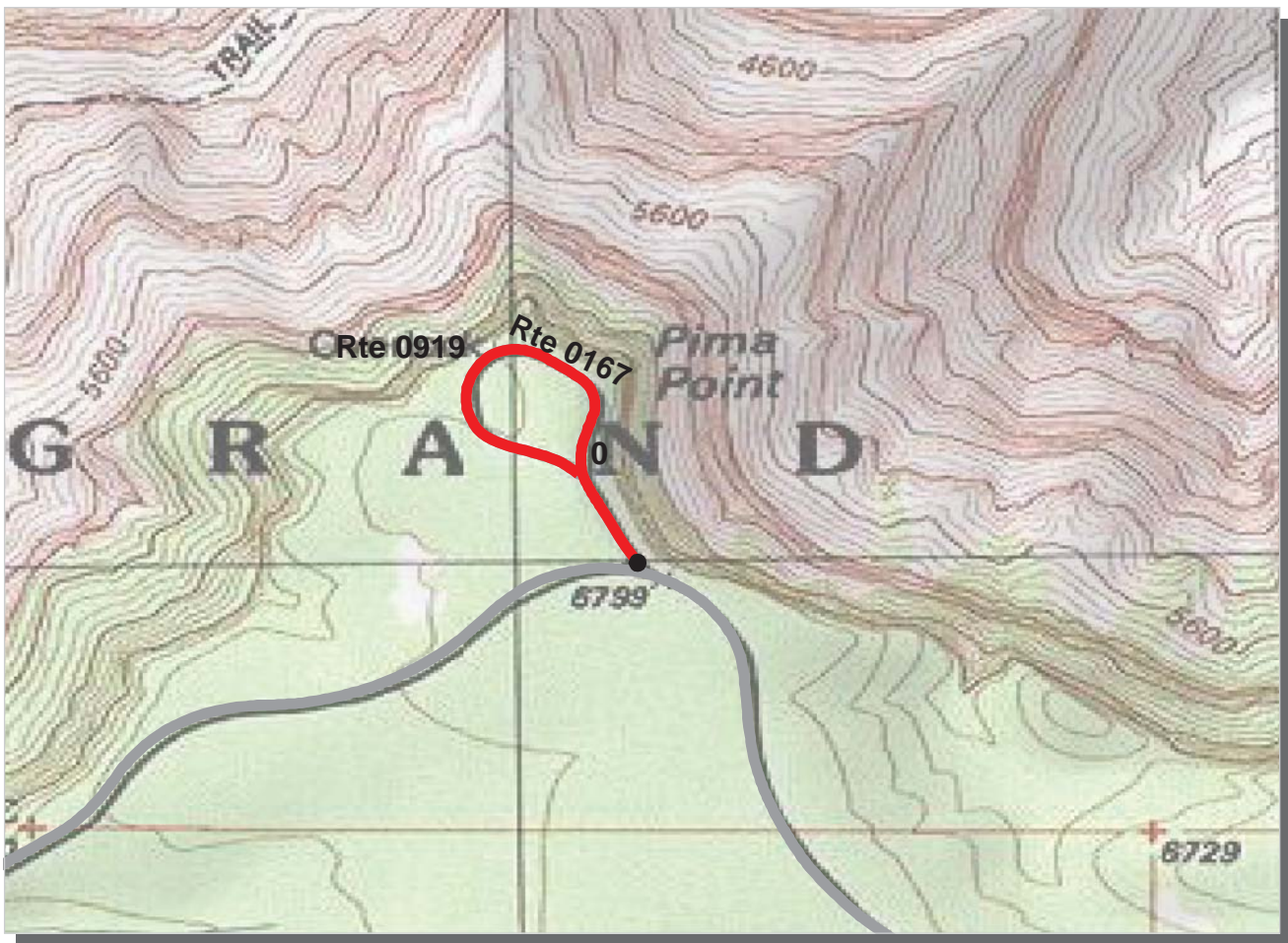
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0160 Rowe Well Road **TOTAL LENGTH: 0.57 Miles**

Section Number	0				
Section Length (mi)	0.57				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	10				
RCI (Roughness Condition Index)	40				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	0				
Rutting Index	44				
Patching Index	99				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0160 Rowe Well Road

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



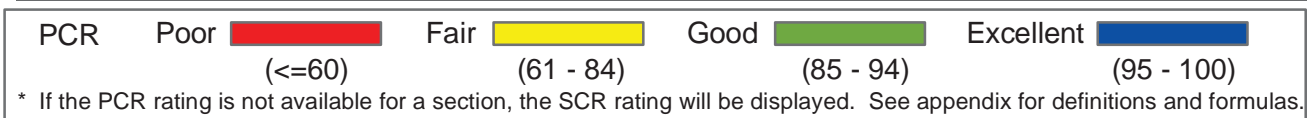
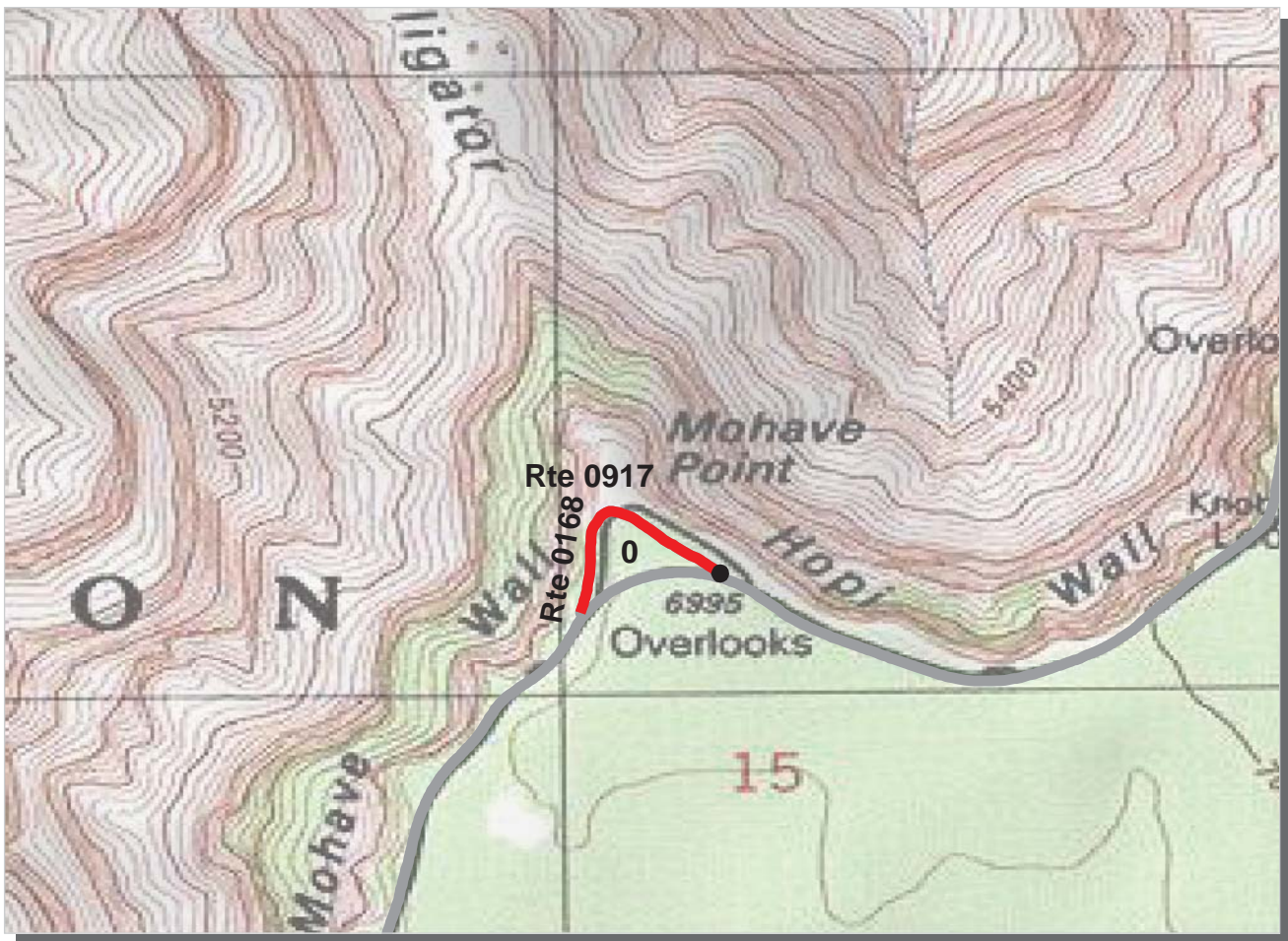
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0167 Prima Point Road **TOTAL LENGTH: 0.48 Miles**

Section Number	0				
Section Length (mi)	0.48				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	8				
Shoulder Width (ft)	2				
Roadway Condition Information					
PCR (Pavement Condition Rating)	12				
RCI (Roughness Condition Index)	33				
SCR (Surface Condition Rating)	3				
Alligator Cracking Index	51				
Rutting Index	48				
Patching Index	99				
Transverse Cracking Index	84				
Longitudinal Cracking Index	94				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0167 Prima Point Road

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



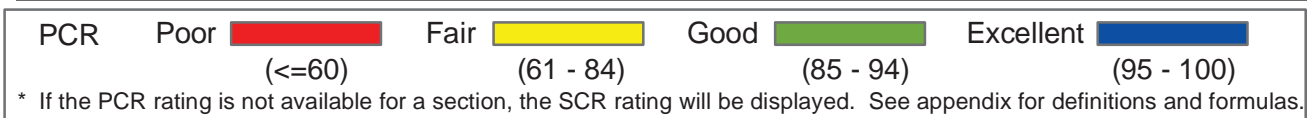
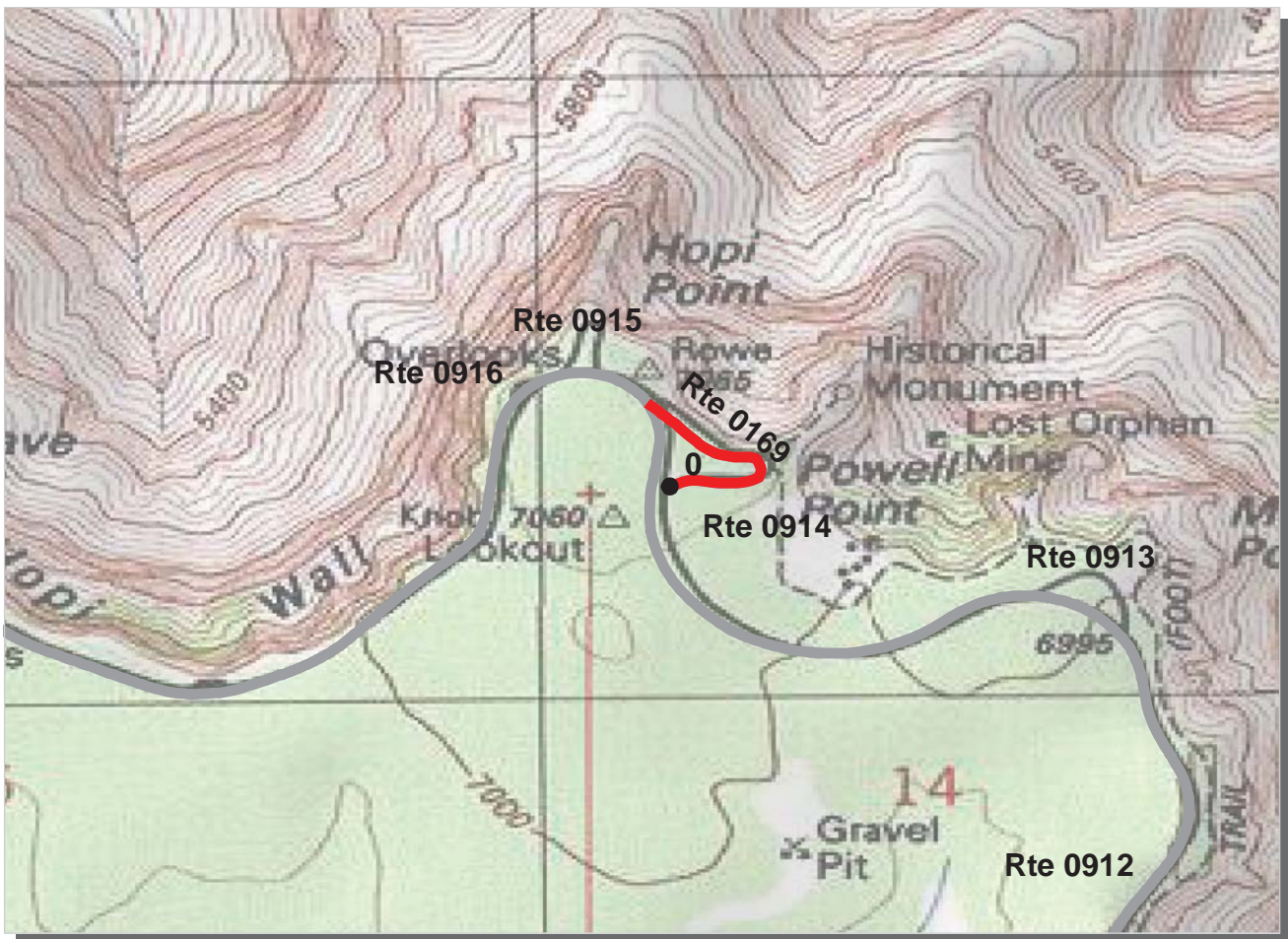
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0168 Mojave Point Road **TOTAL LENGTH: 0.24 Miles**

Section Number	0				
Section Length (mi)	0.24				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	1				
RCI (Roughness Condition Index)	41				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	0				
Rutting Index	48				
Patching Index	99				
Transverse Cracking Index	92				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0168 Mojave Point Road

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



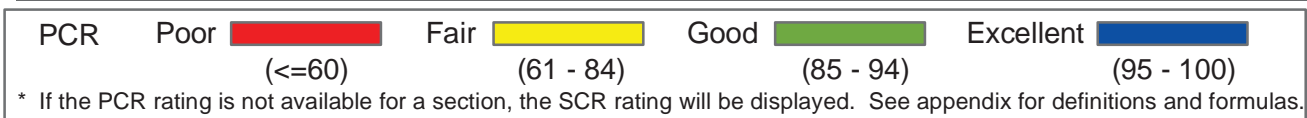
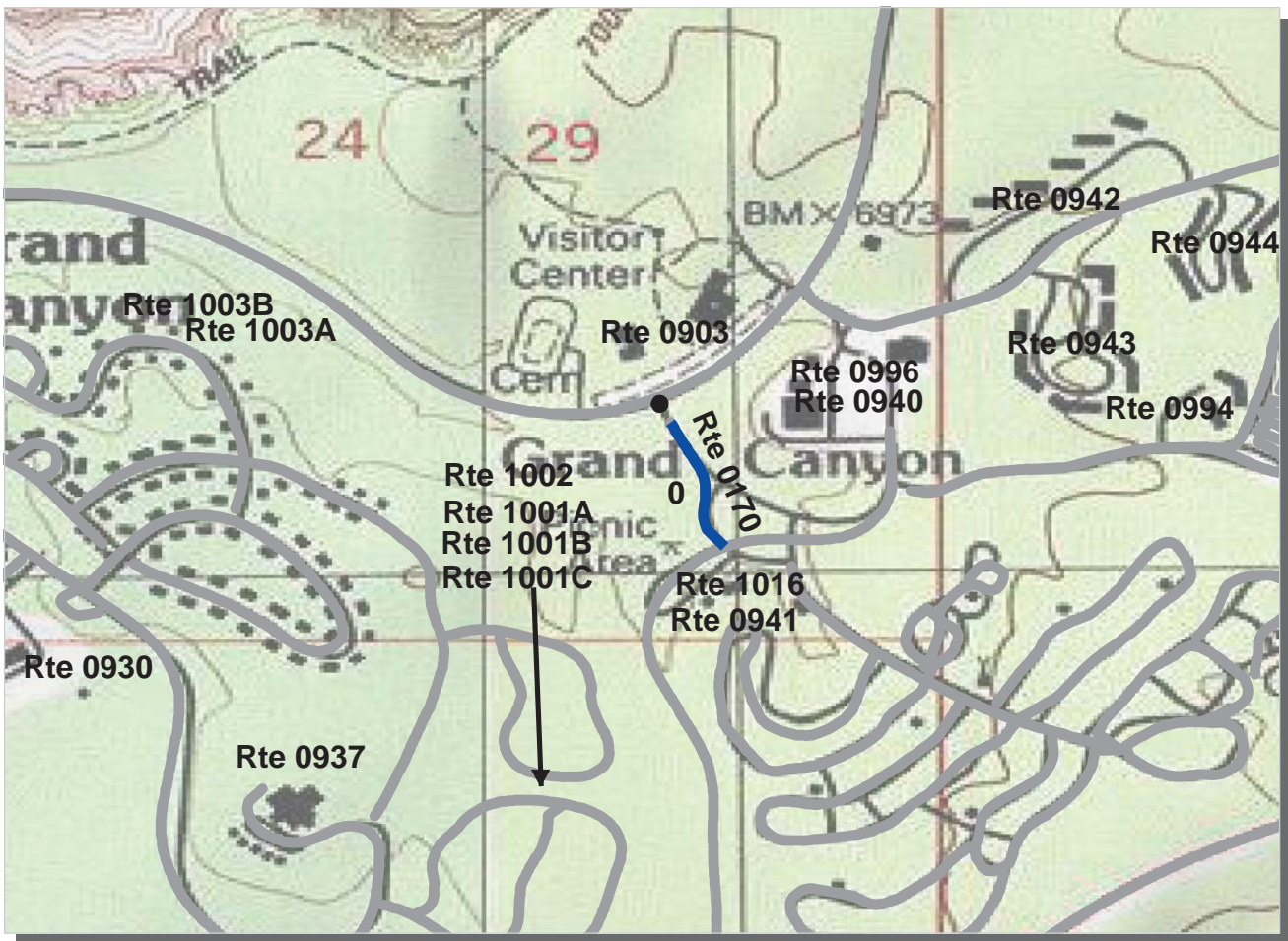
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0169 Powell Memorial Road **TOTAL LENGTH: 0.23 Miles**

Section Number	0			
Section Length (mi)	0.23			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	18			
Lane Width (ft)	10			
Shoulder Width (ft)	4			
Roadway Condition Information				
PCR (Pavement Condition Rating)	6			
RCI (Roughness Condition Index)	44			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	3			
Rutting Index	40			
Patching Index	100			
Transverse Cracking Index	93			
Longitudinal Cracking Index	98			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

ROUTE: 0169 Powell Memorial Road

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



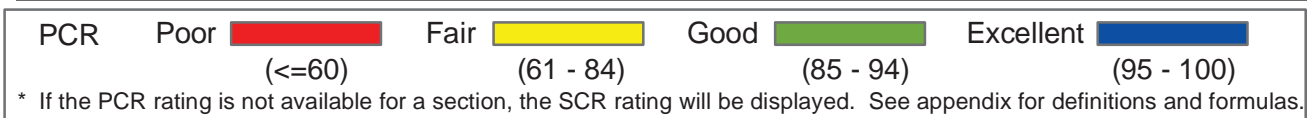
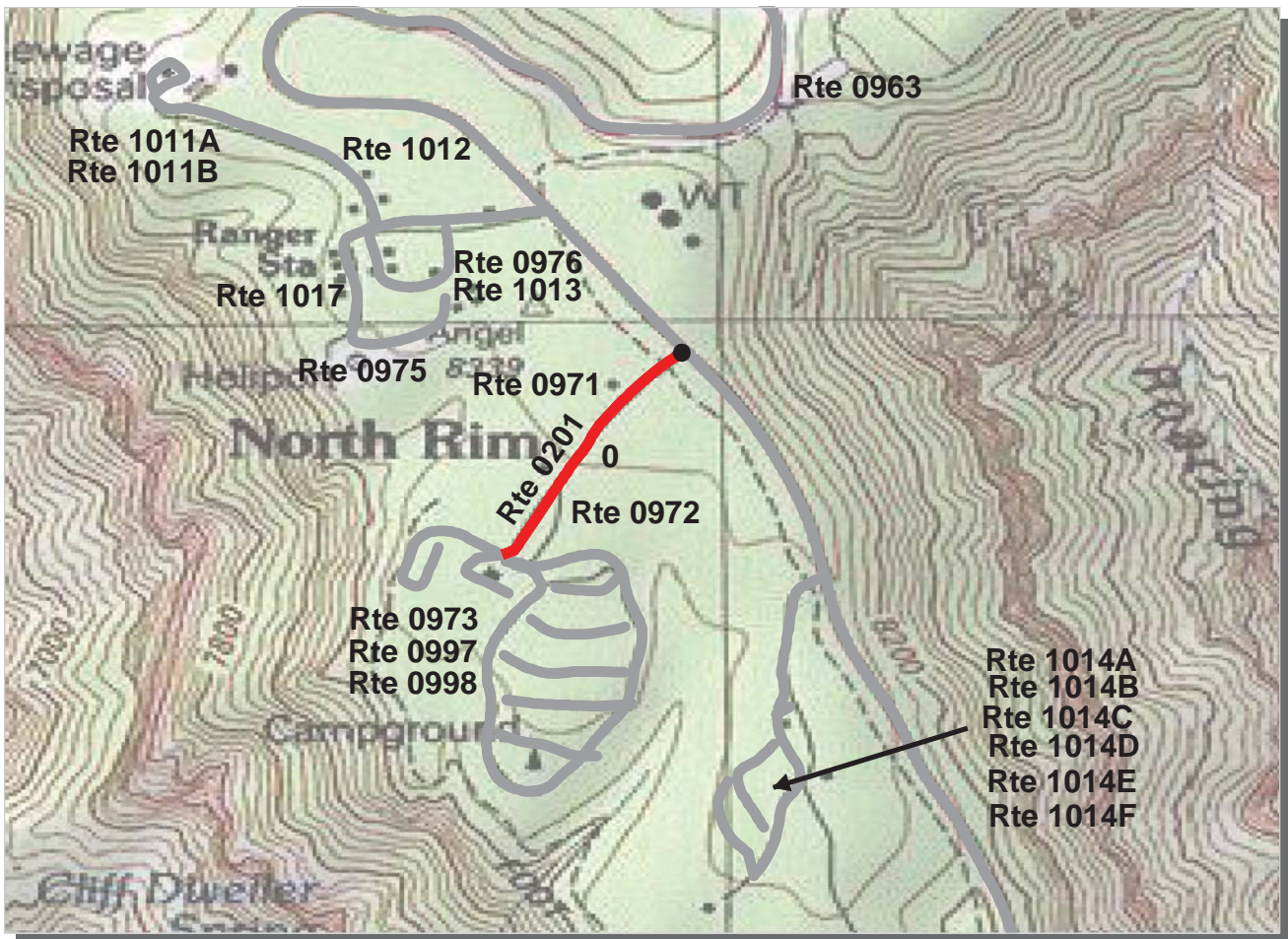
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0170 Zuni Way **TOTAL LENGTH: 0.16 Miles**

Section Number	0				
Section Length (mi)	0.16				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	12				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	83				
RCI (Roughness Condition Index)	98				
SCR (Surface Condition Rating)	83				
Alligator Cracking Index	97				
Rutting Index	86				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0170 Zuni Way

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



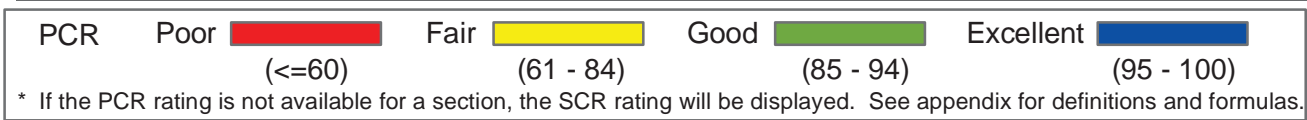
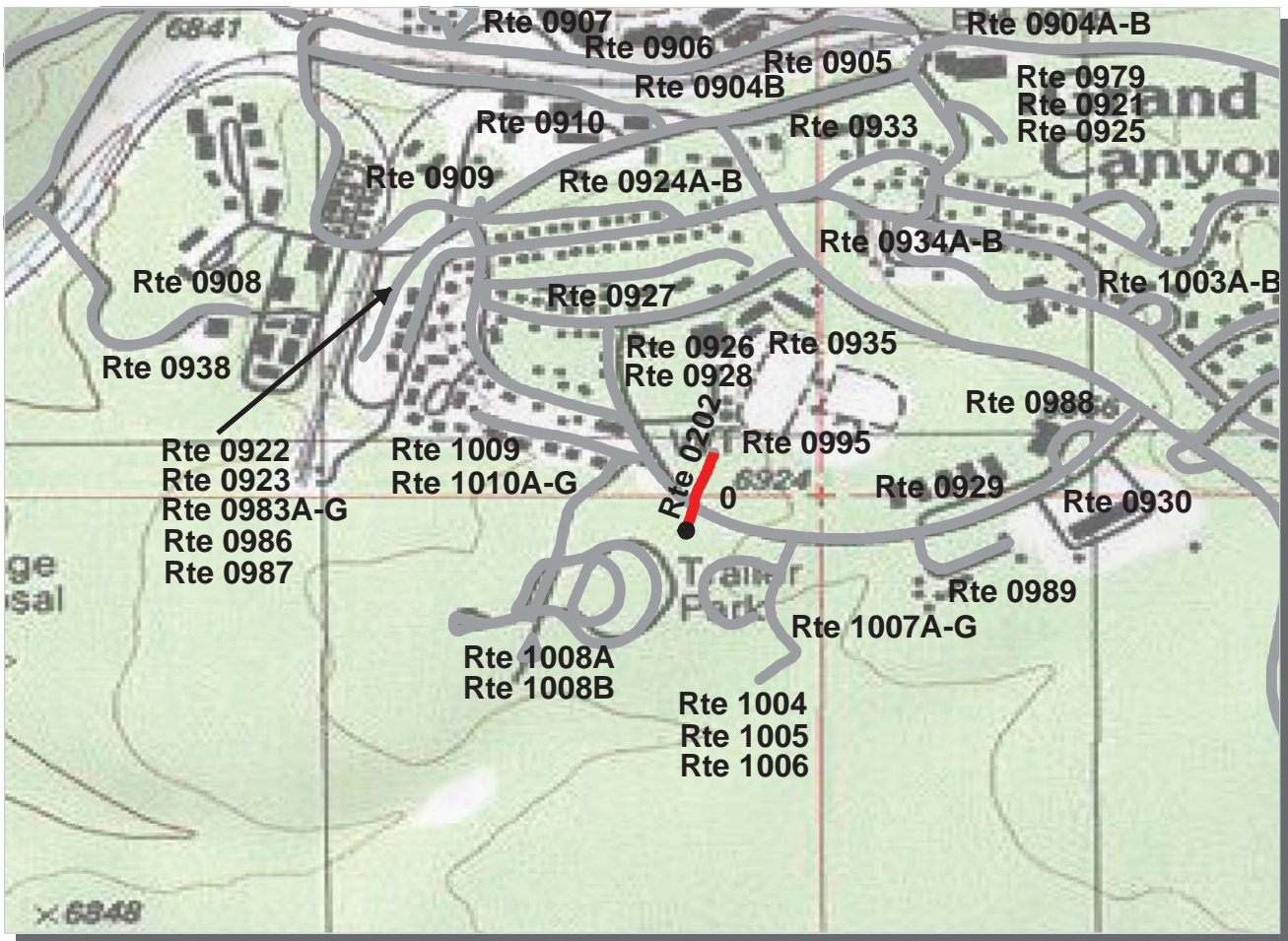
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0201 North Rim Campground Road **TOTAL LENGTH: 0.26 Miles**

Section Number	0			
Section Length (mi)	0.26			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	21			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	40			
RCI (Roughness Condition Index)	65			
SCR (Surface Condition Rating)	32			
Alligator Cracking Index	96			
Rutting Index	44			
Patching Index	99			
Transverse Cracking Index	97			
Longitudinal Cracking Index	94			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0201 North Rim Campground Road

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



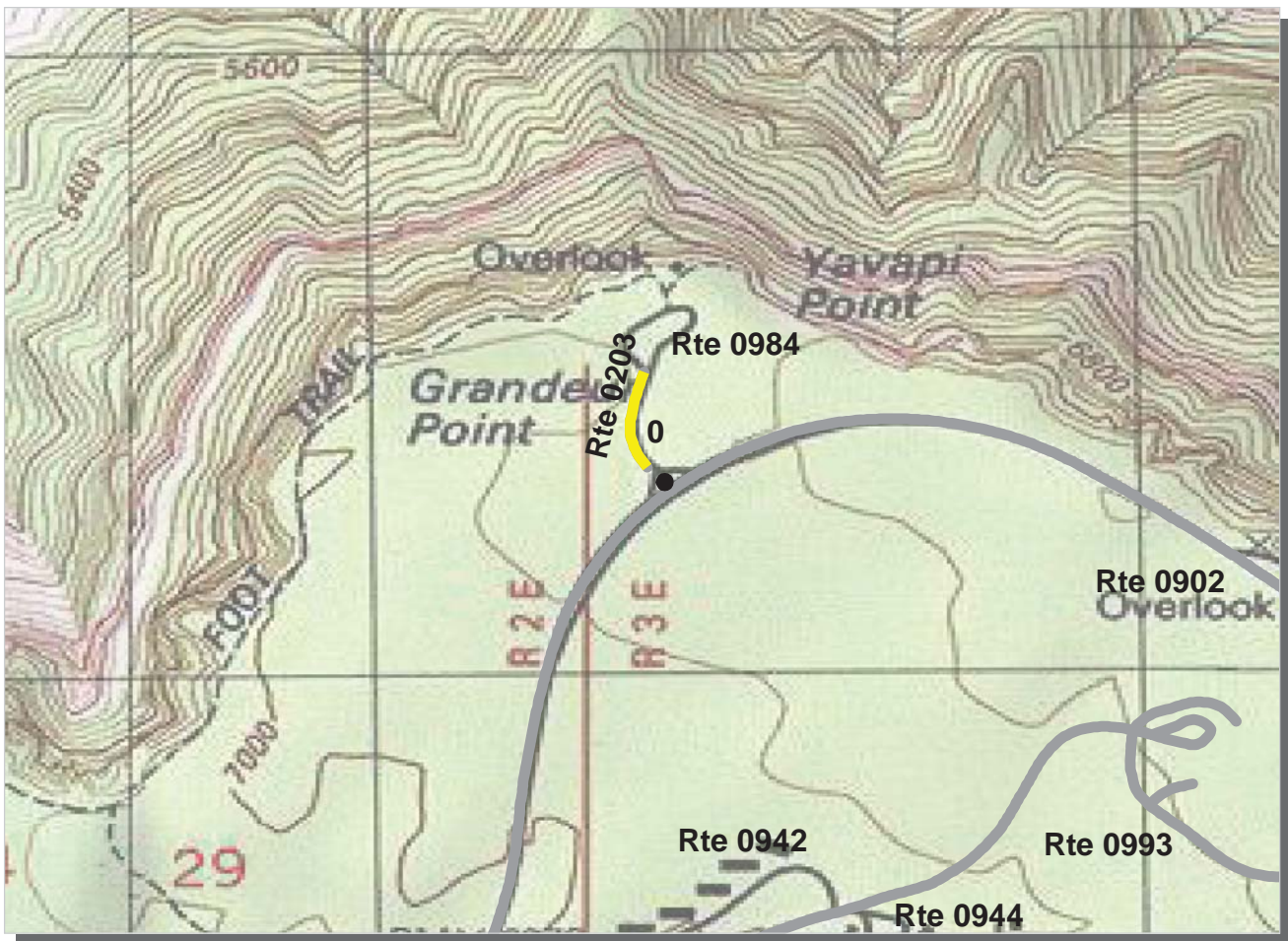
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0202 Grand Canyon Recreation Center **TOTAL LENGTH: 0.09 Miles**

Section Number	0			
Section Length (mi)	0.09			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	22			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	45			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	45			
Alligator Cracking Index	98			
Rutting Index	53			
Patching Index	98			
Transverse Cracking Index	96			
Longitudinal Cracking Index	98			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0202 Grand Canyon Recreation Center

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



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

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

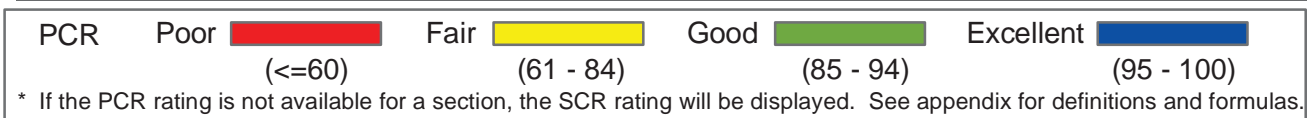
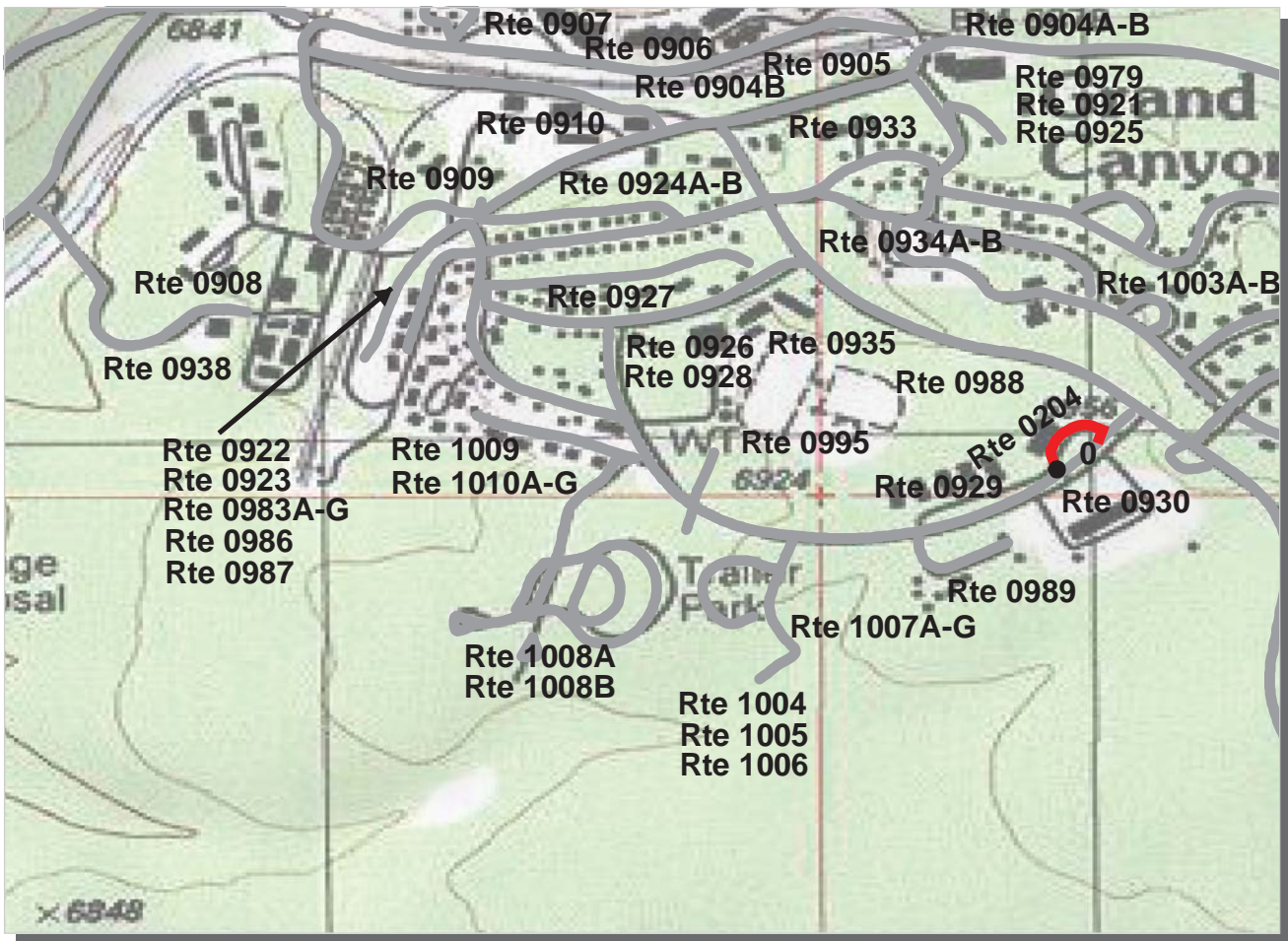
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0203 Yavapai Point Road **TOTAL LENGTH: 0.14 Miles**

Section Number	0				
Section Length (mi)	0.14				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	69				
RCI (Roughness Condition Index)	89				
SCR (Surface Condition Rating)	68				
Alligator Cracking Index	99				
Rutting Index	68				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0203 Yavapai Point Road

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



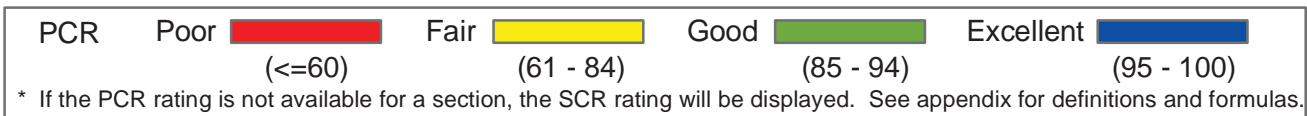
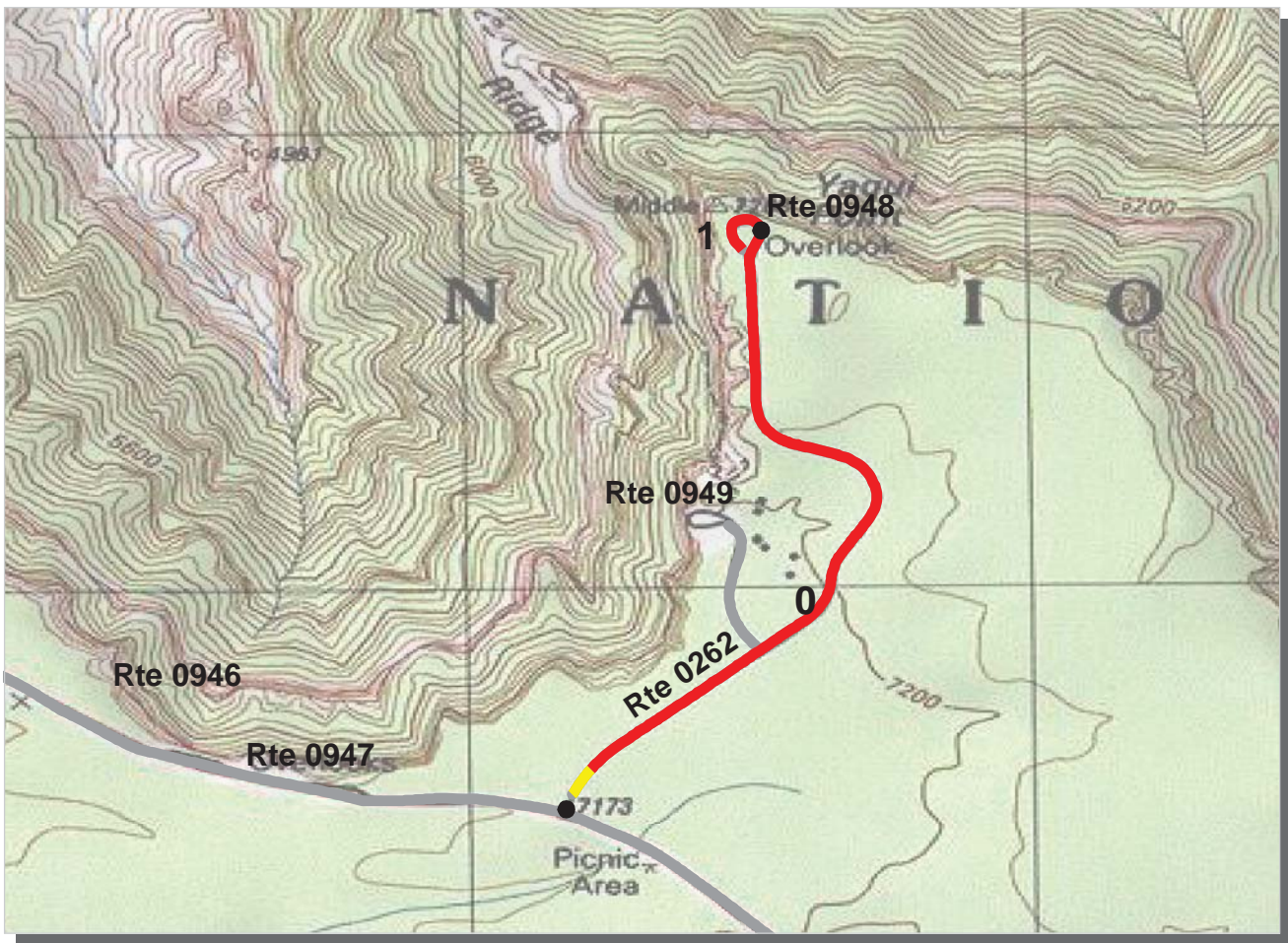
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0204 Nps Academy Loop Road **TOTAL LENGTH: 0.09 Miles**

Section Number	0			
Section Length (mi)	0.09			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	24			
Lane Width (ft)	13			
Shoulder Width (ft)	4			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	0			
Rutting Index	42			
Patching Index	99			
Transverse Cracking Index	99			
Longitudinal Cracking Index	99			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

ROUTE: 0204 Nps Academy Loop Road

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



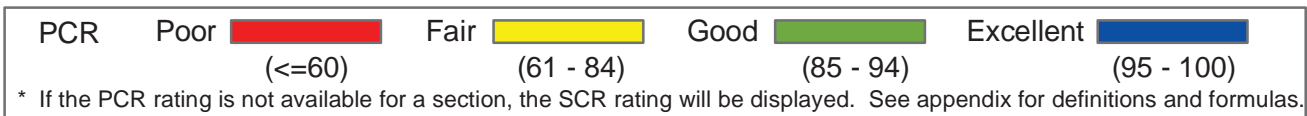
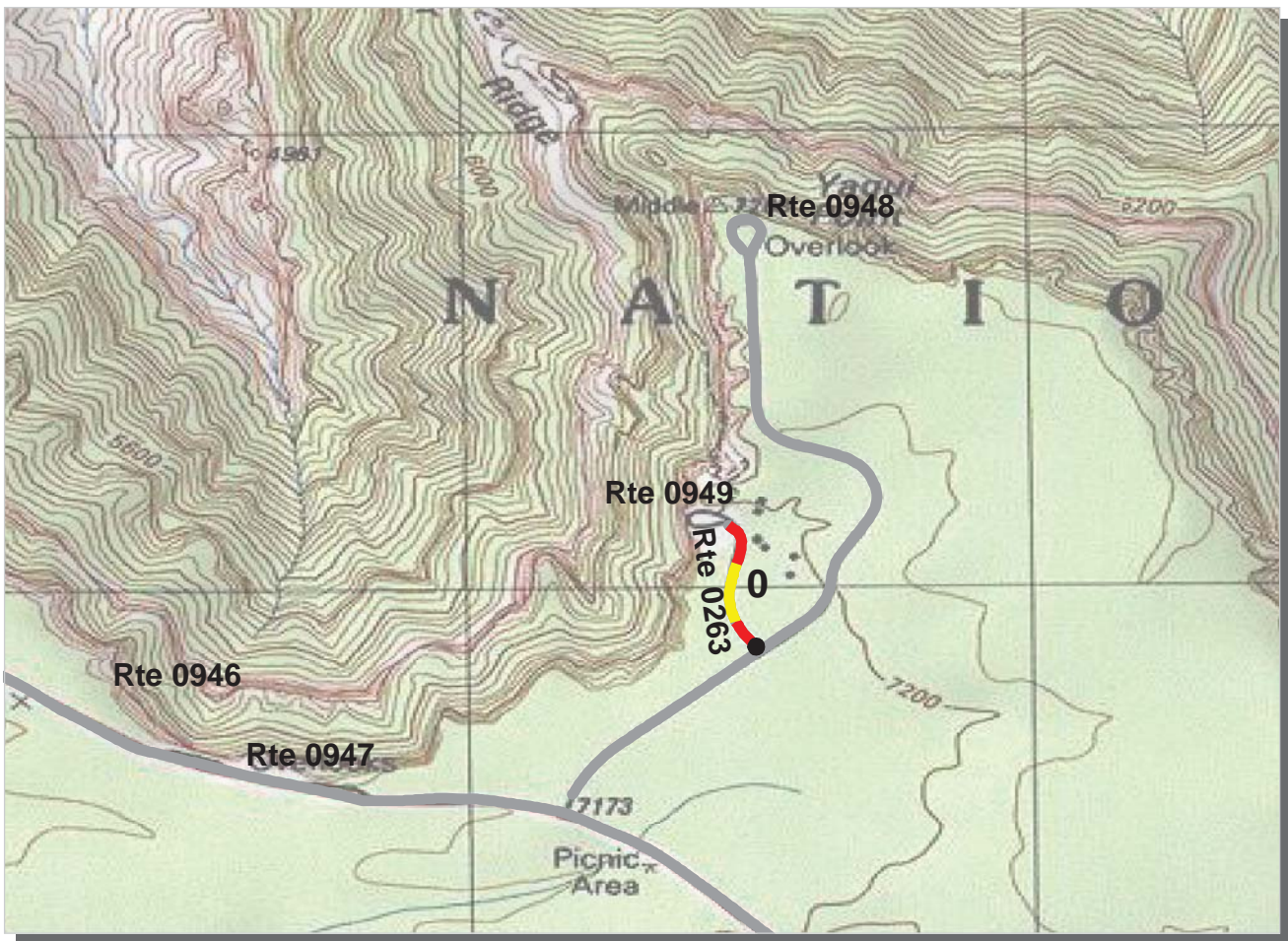
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0262 Yaki Point Road **TOTAL LENGTH: 1.10 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.10			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	1			
Paved Width (ft)	22	10			
Lane Width (ft)	12	10			
Shoulder Width (ft)	8	4			
Roadway Condition Information					
PCR (Pavement Condition Rating)	28	0			
RCI (Roughness Condition Index)	56	-1			
SCR (Surface Condition Rating)	11	0			
Alligator Cracking Index	40	42			
Rutting Index	69	37			
Patching Index	99	99			
Transverse Cracking Index	80	83			
Longitudinal Cracking Index	91	95			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0262 Yaki Point Road

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



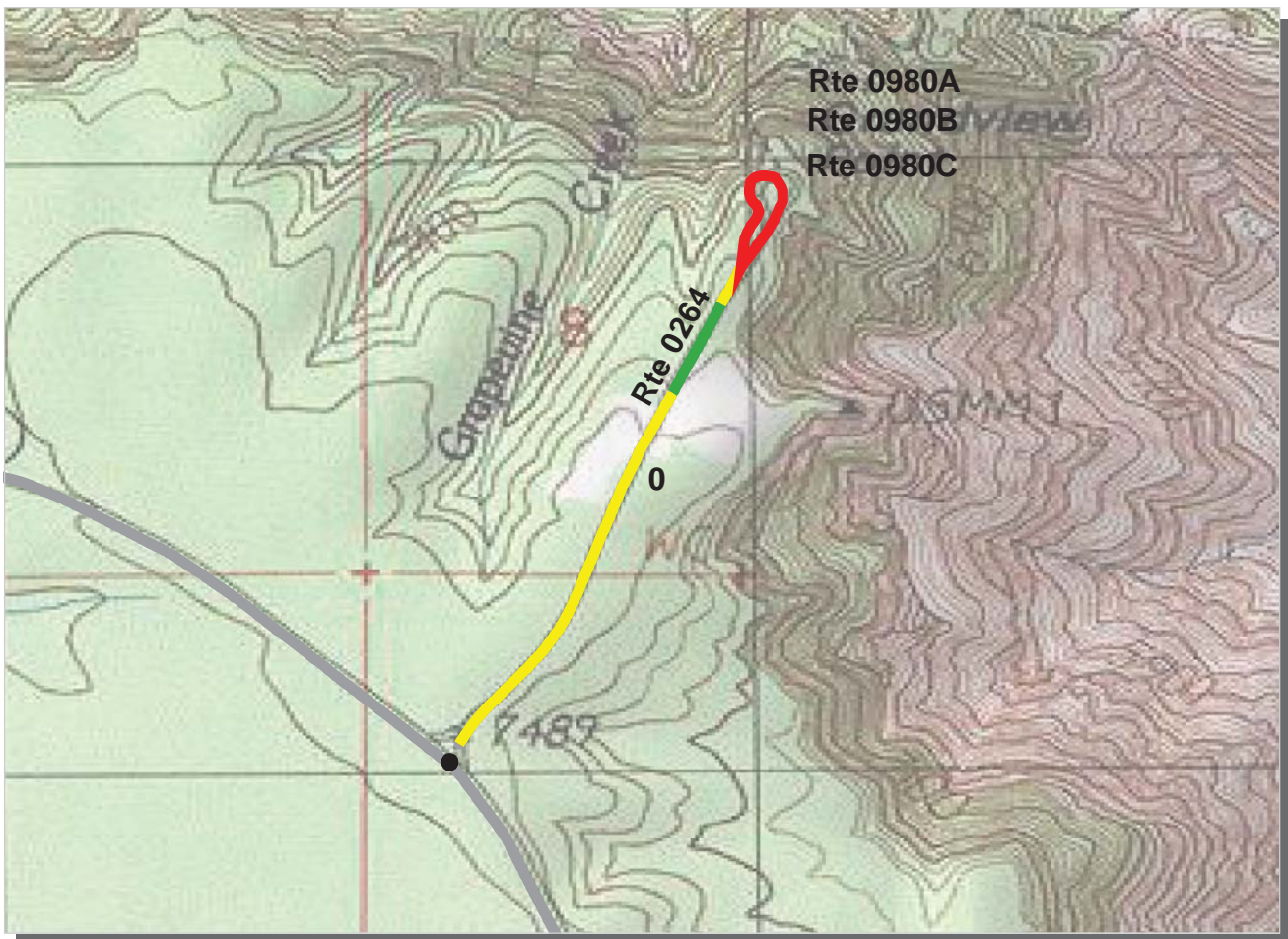
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0263 Kaibab Trail Access Road **TOTAL LENGTH: 0.20 Miles**

Section Number	0				
Section Length (mi)	0.20				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	40				
RCI (Roughness Condition Index)	46				
SCR (Surface Condition Rating)	43				
Alligator Cracking Index	89				
Rutting Index	72				
Patching Index	100				
Transverse Cracking Index	81				
Longitudinal Cracking Index	95				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0263 Kaibab Trail Access Road

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



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

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

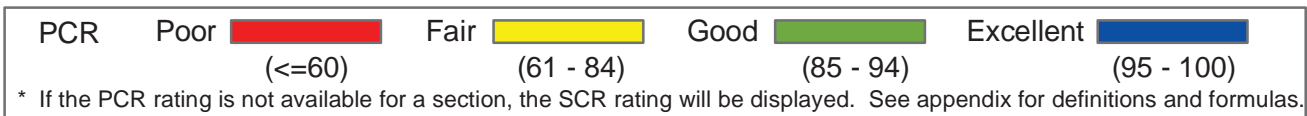
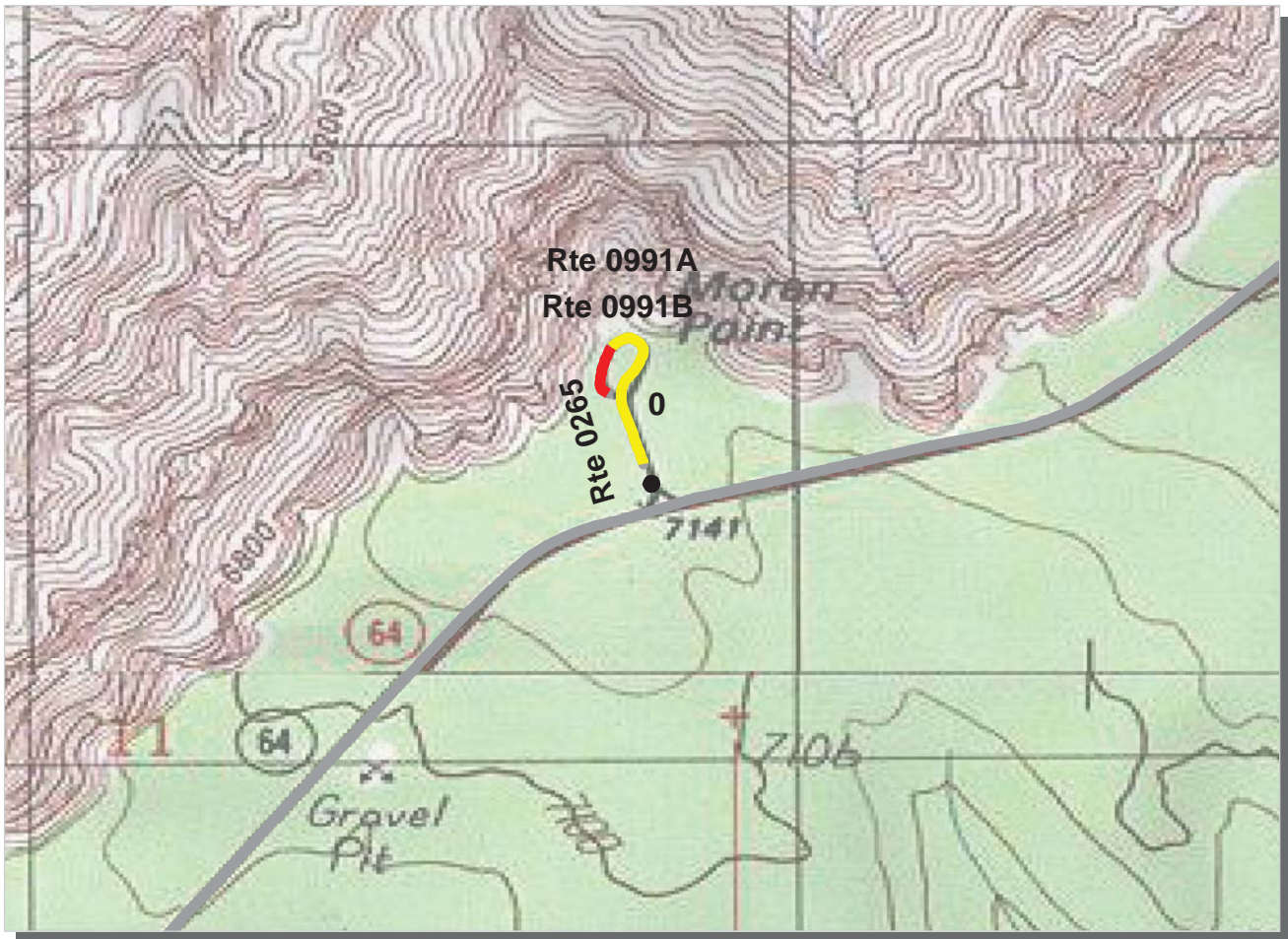
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0264 Grandview Point Road **TOTAL LENGTH: 0.77 Miles**

Section Number	0				
Section Length (mi)	0.77				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width (ft)	2				
Roadway Condition Information					
PCR (Pavement Condition Rating)	69				
RCI (Roughness Condition Index)	81				
SCR (Surface Condition Rating)	67				
Alligator Cracking Index	100				
Rutting Index	69				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0264 Grandview Point Road

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



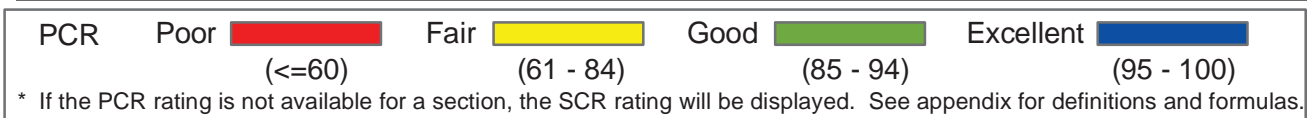
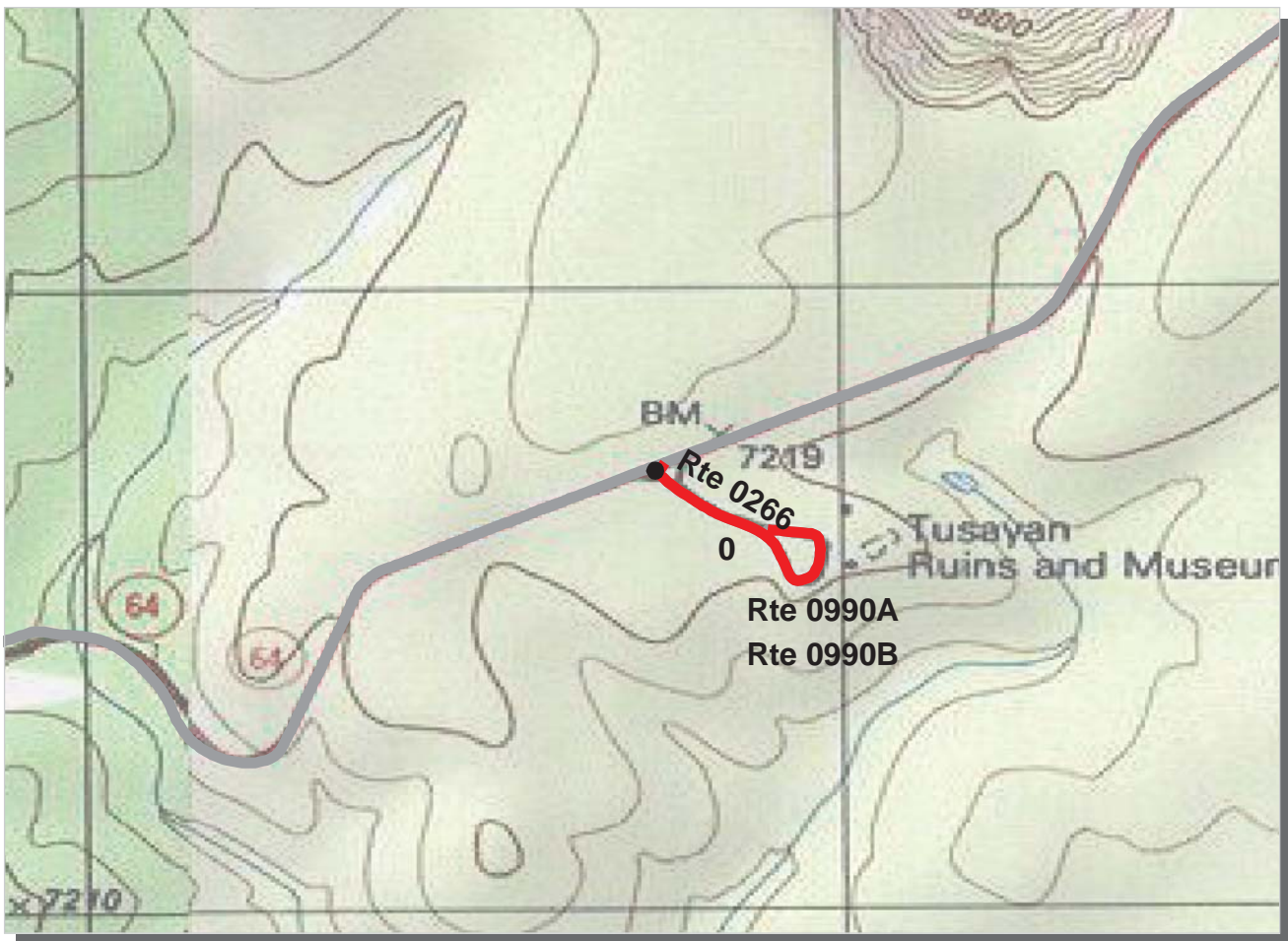
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0265 Moran Point Road **TOTAL LENGTH: 0.25 Miles**

Section Number	0				
Section Length (mi)	0.25				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	63				
RCI (Roughness Condition Index)	71				
SCR (Surface Condition Rating)	63				
Alligator Cracking Index	99				
Rutting Index	65				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0265 Moran Point Road

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



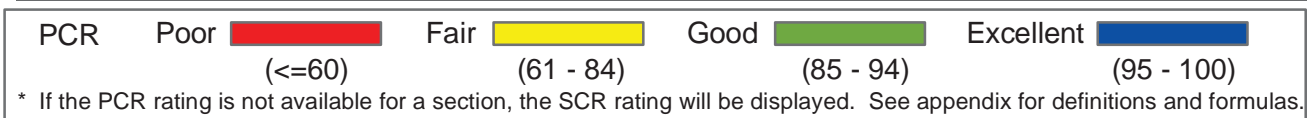
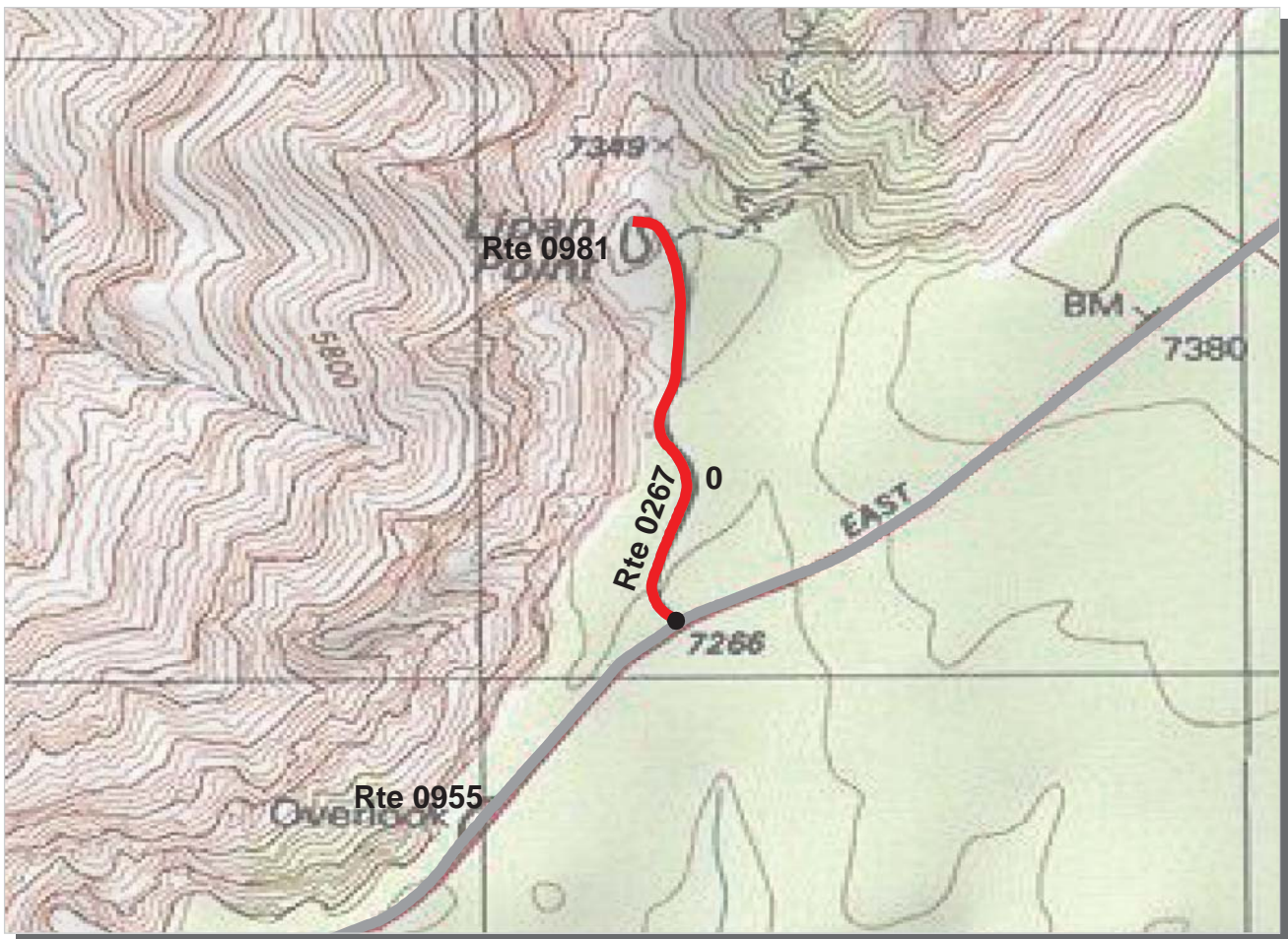
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0266 Tusayan Ruin Road **TOTAL LENGTH: 0.27 Miles**

Section Number	0				
Section Length (mi)	0.27				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	13				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	13				
RCI (Roughness Condition Index)	35				
SCR (Surface Condition Rating)	10				
Alligator Cracking Index	75				
Rutting Index	34				
Patching Index	98				
Transverse Cracking Index	90				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0266 Tusayan Ruin Road

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



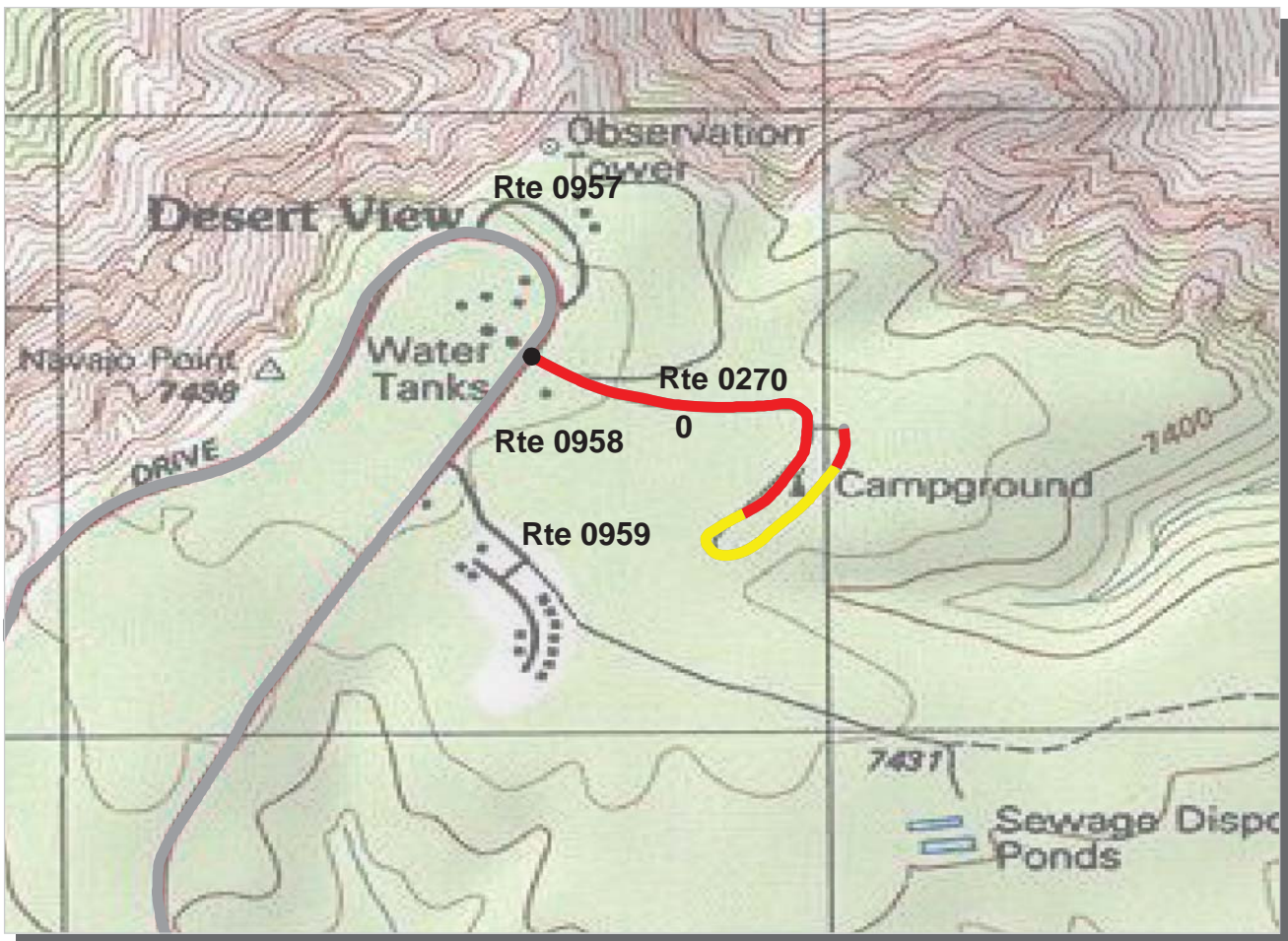
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0267 Lipan Point Road **TOTAL LENGTH: 0.45 Miles**

Section Number	0				
Section Length (mi)	0.45				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	5				
Roadway Condition Information					
PCR (Pavement Condition Rating)	24				
RCI (Roughness Condition Index)	74				
SCR (Surface Condition Rating)	4				
Alligator Cracking Index	72				
Rutting Index	39				
Patching Index	99				
Transverse Cracking Index	70				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0267 Lipan Point Road

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



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

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

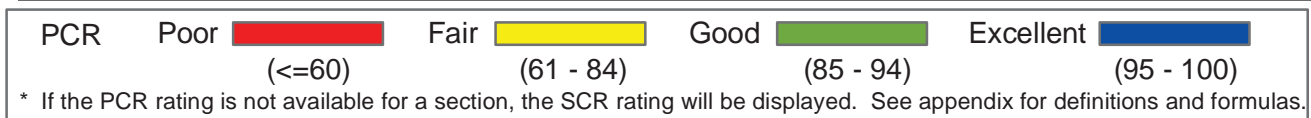
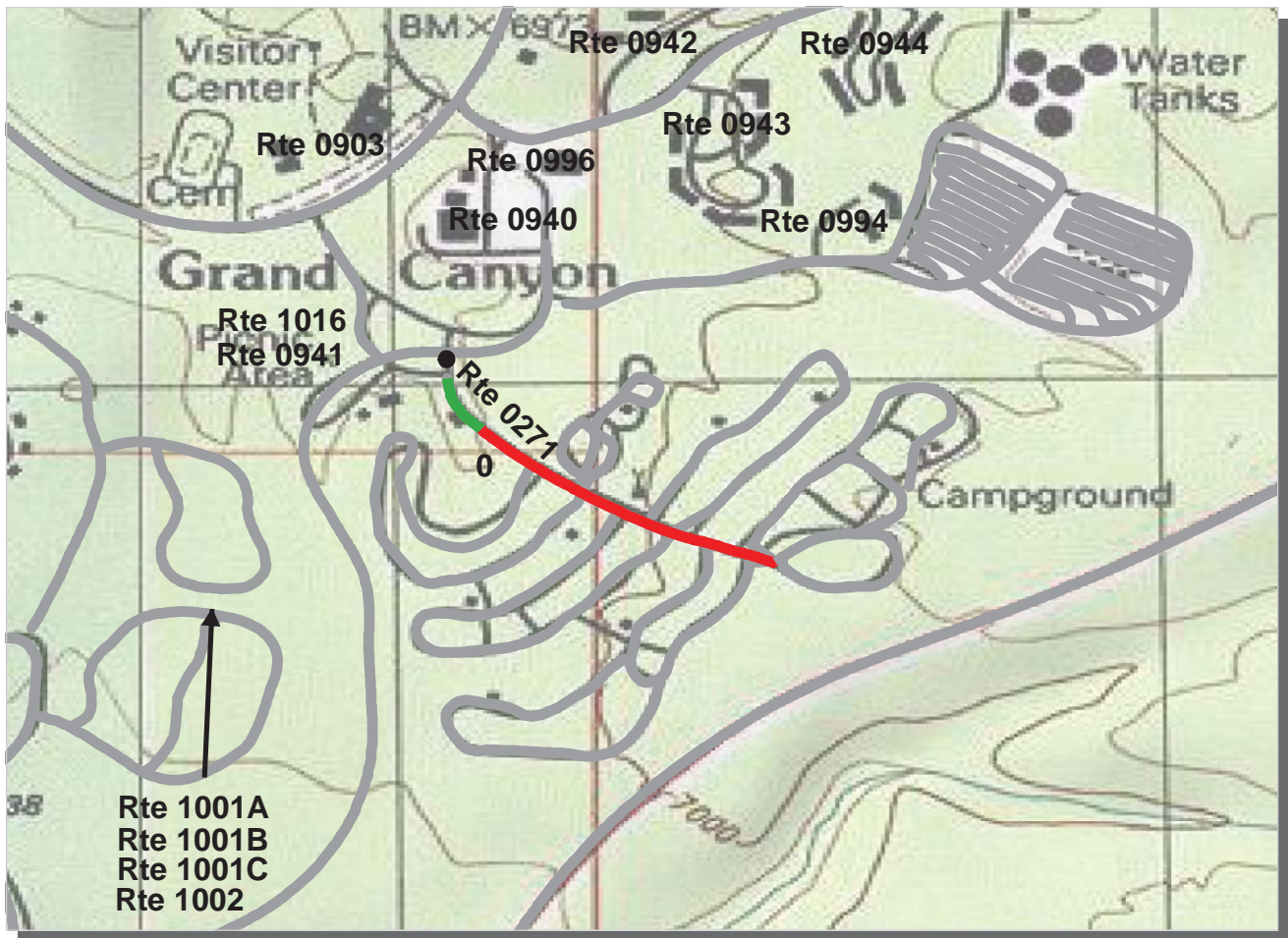
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0270 Desert View Campground **TOTAL LENGTH: 0.64 Miles**

Section Number	0				
Section Length (mi)	0.64				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	55				
RCI (Roughness Condition Index)	50				
SCR (Surface Condition Rating)	55				
Alligator Cracking Index	99				
Rutting Index	58				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0270 Desert View Campground

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



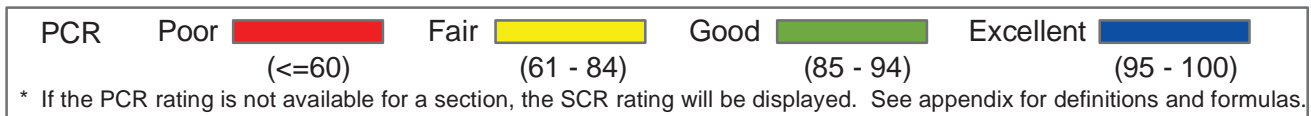
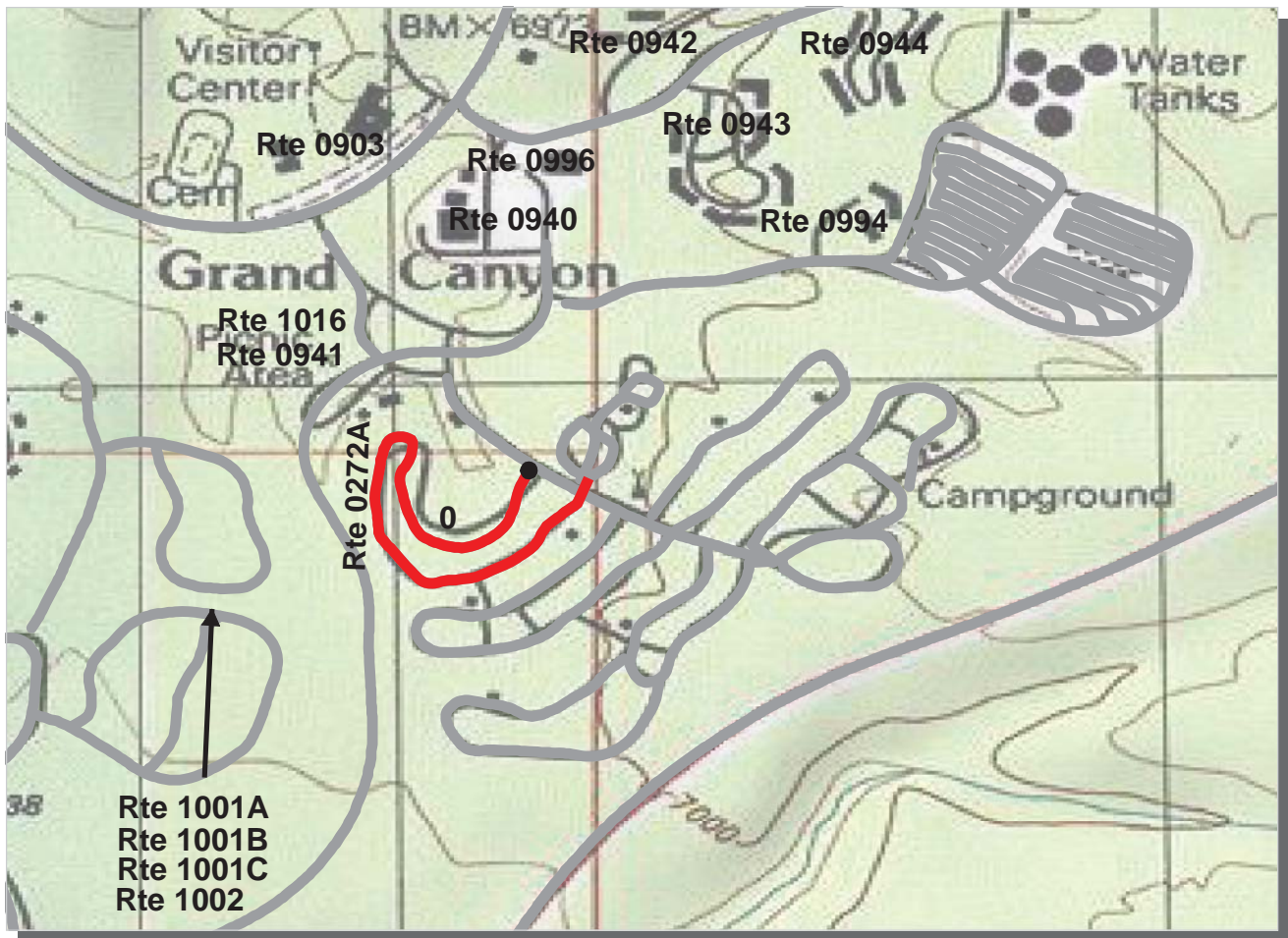
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0271 Mather Campground Access Road **TOTAL LENGTH: 0.37 Miles**

Section Number	0				
Section Length (mi)	0.37				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	34				
RCI (Roughness Condition Index)	58				
SCR (Surface Condition Rating)	19				
Alligator Cracking Index	31				
Rutting Index	64				
Patching Index	100				
Transverse Cracking Index	93				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

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

ROUTE: 0271 Mather Campground Access Road



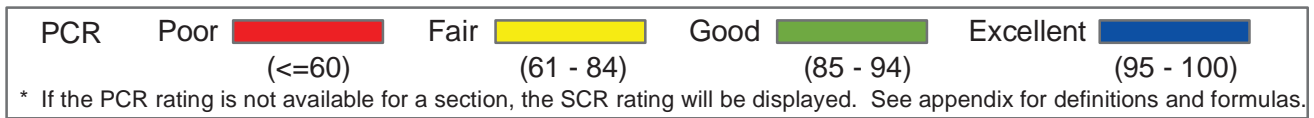
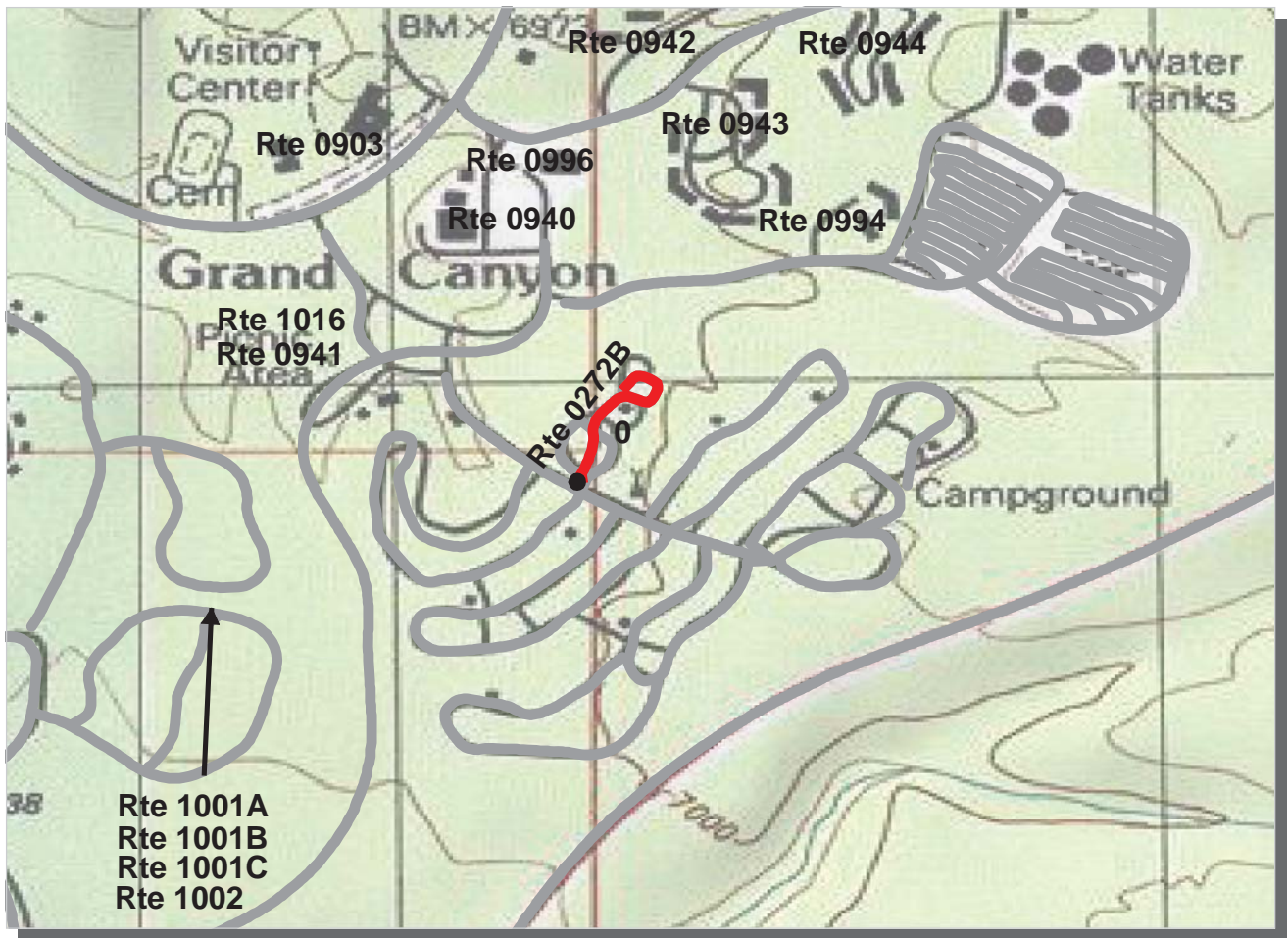
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0272A Mather Campground Aspen Loop **TOTAL LENGTH: 0.60 Miles**

Section Number	0				
Section Length (mi)	0.60				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	1				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	1				
Alligator Cracking Index	24				
Rutting Index	50				
Patching Index	97				
Transverse Cracking Index	93				
Longitudinal Cracking Index	96				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0272A Mather Campground Aspen Loop

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



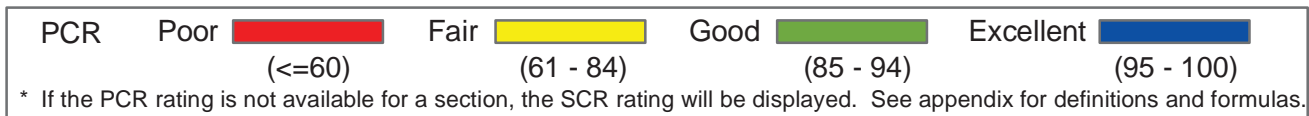
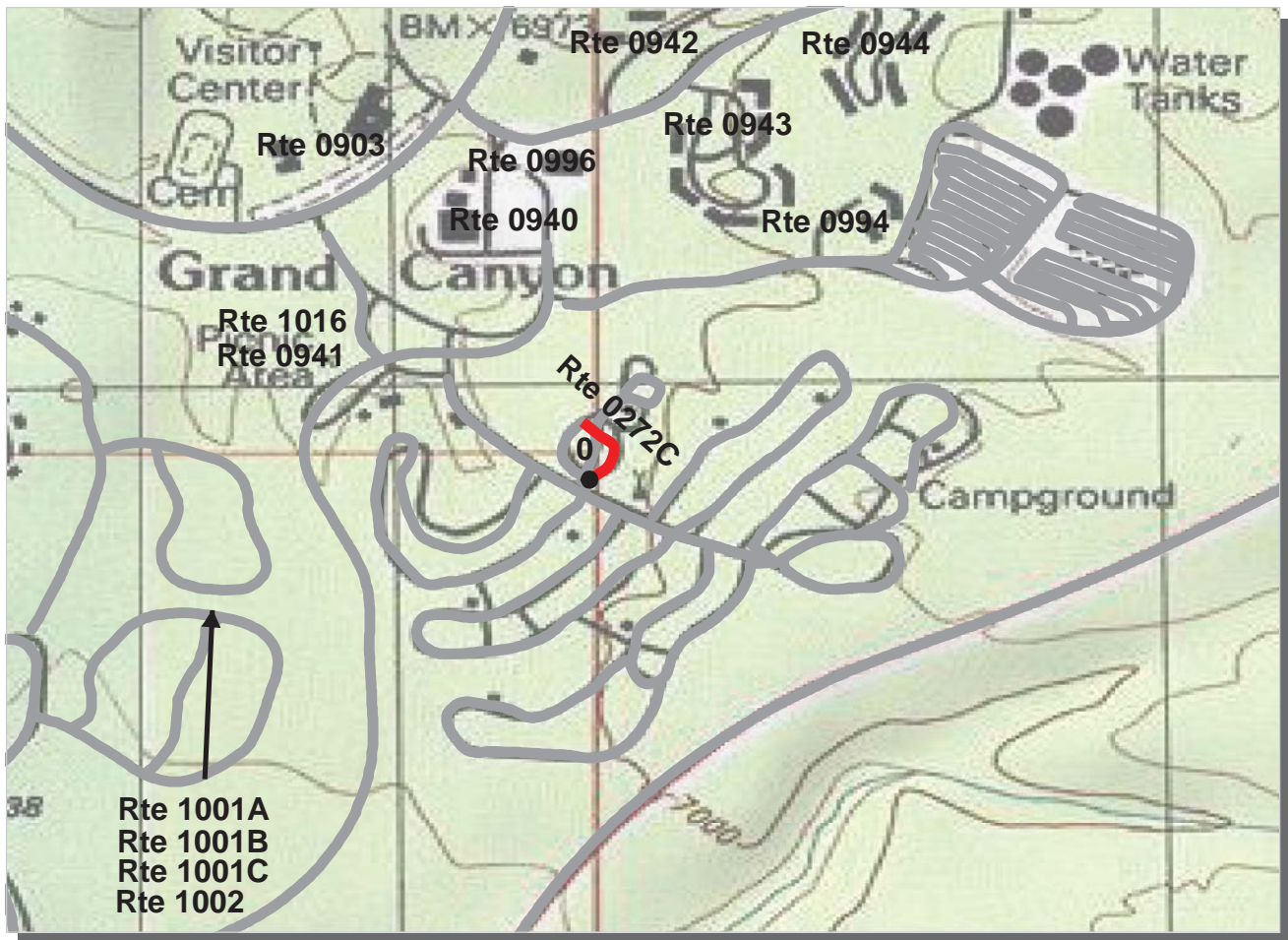
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0272B Mather Campground Sage Loop 1 **TOTAL LENGTH: 0.19 Miles**

Section Number	0				
Section Length (mi)	0.19				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	19				
Rutting Index	46				
Patching Index	100				
Transverse Cracking Index	92				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0272B Mather Campground Sage Loop 1

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



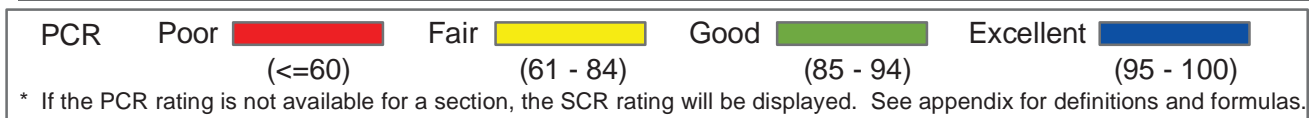
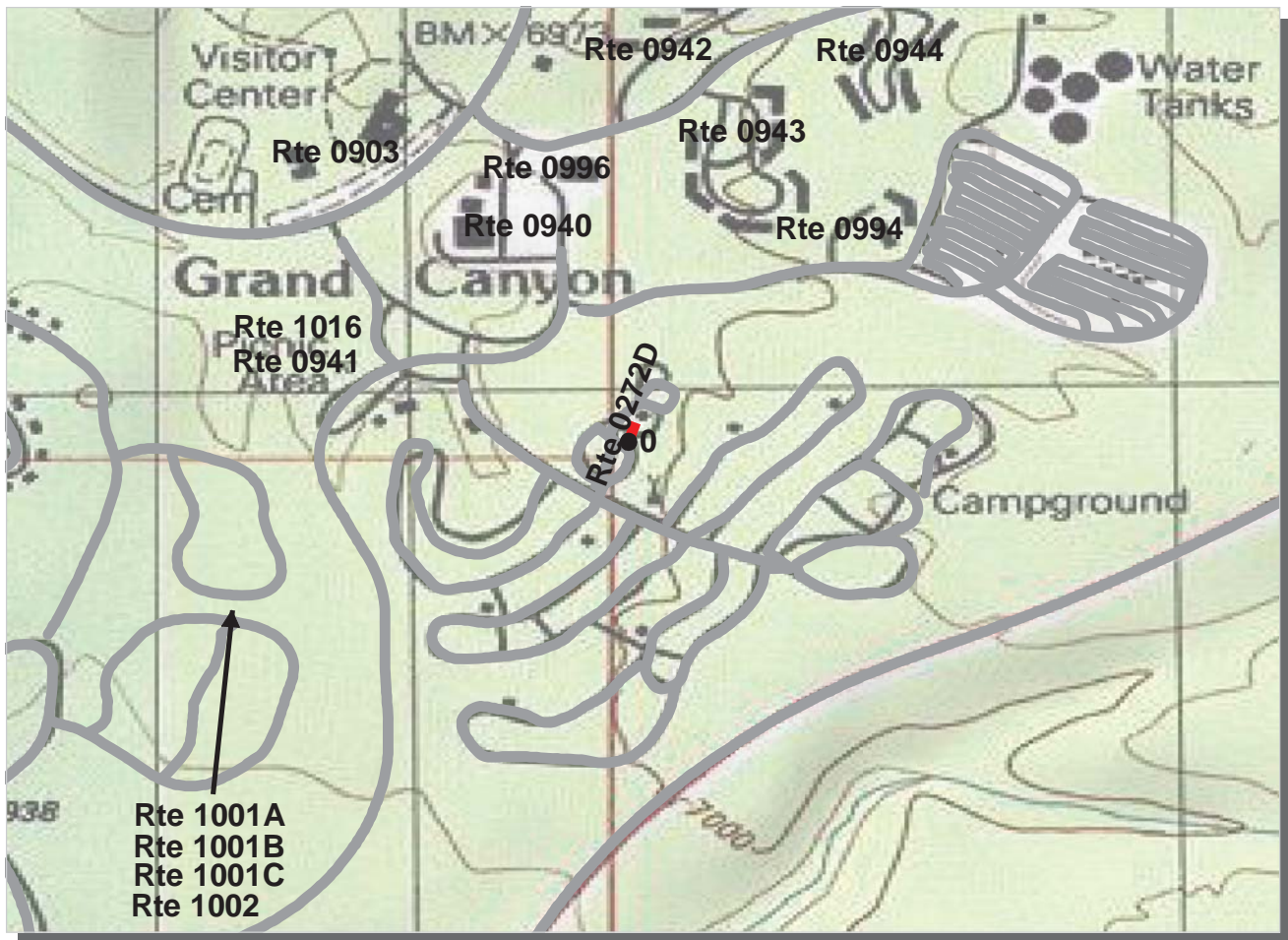
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0272C Mather Campground Sage Loop 2 **TOTAL LENGTH: 0.07 Miles**

Section Number	0				
Section Length (mi)	0.07				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	12				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	12				
Alligator Cracking Index	31				
Rutting Index	49				
Patching Index	99				
Transverse Cracking Index	97				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0272C Mather Campground Sage Loop 2

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



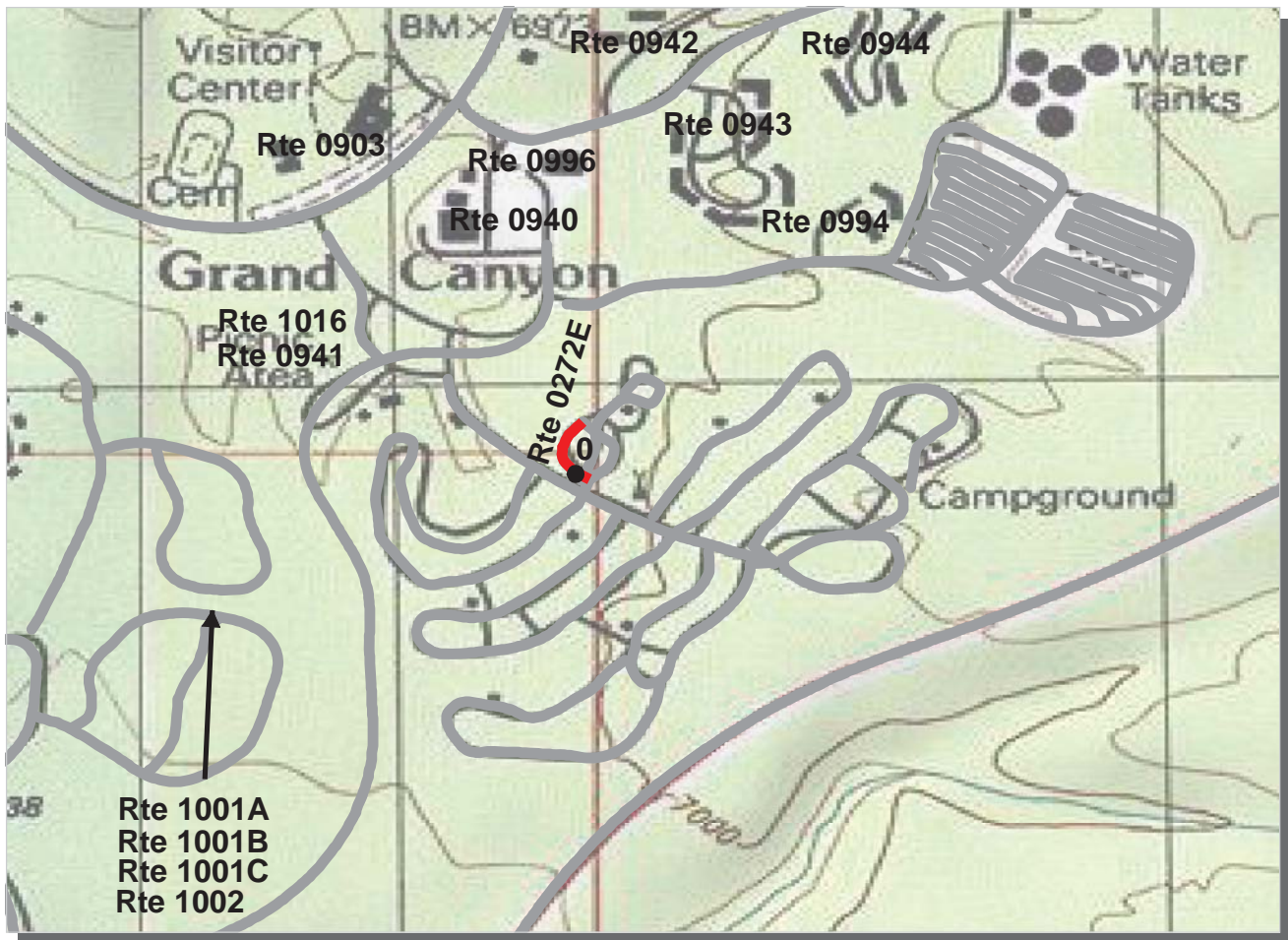
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0272D Mather Campground Sage Loop 3 **TOTAL LENGTH: 0.04 Miles**

Section Number	0				
Section Length (mi)	0.04				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	34				
Rutting Index	40				
Patching Index	100				
Transverse Cracking Index	87				
Longitudinal Cracking Index	96				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0272D Mather Campground Sage Loop 3

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



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

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

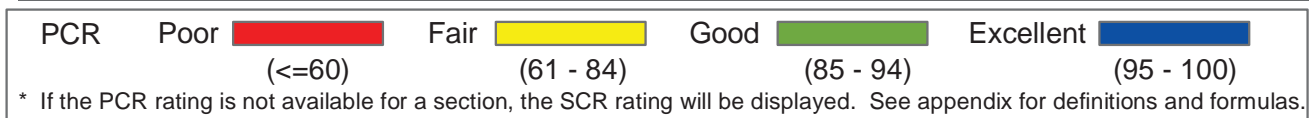
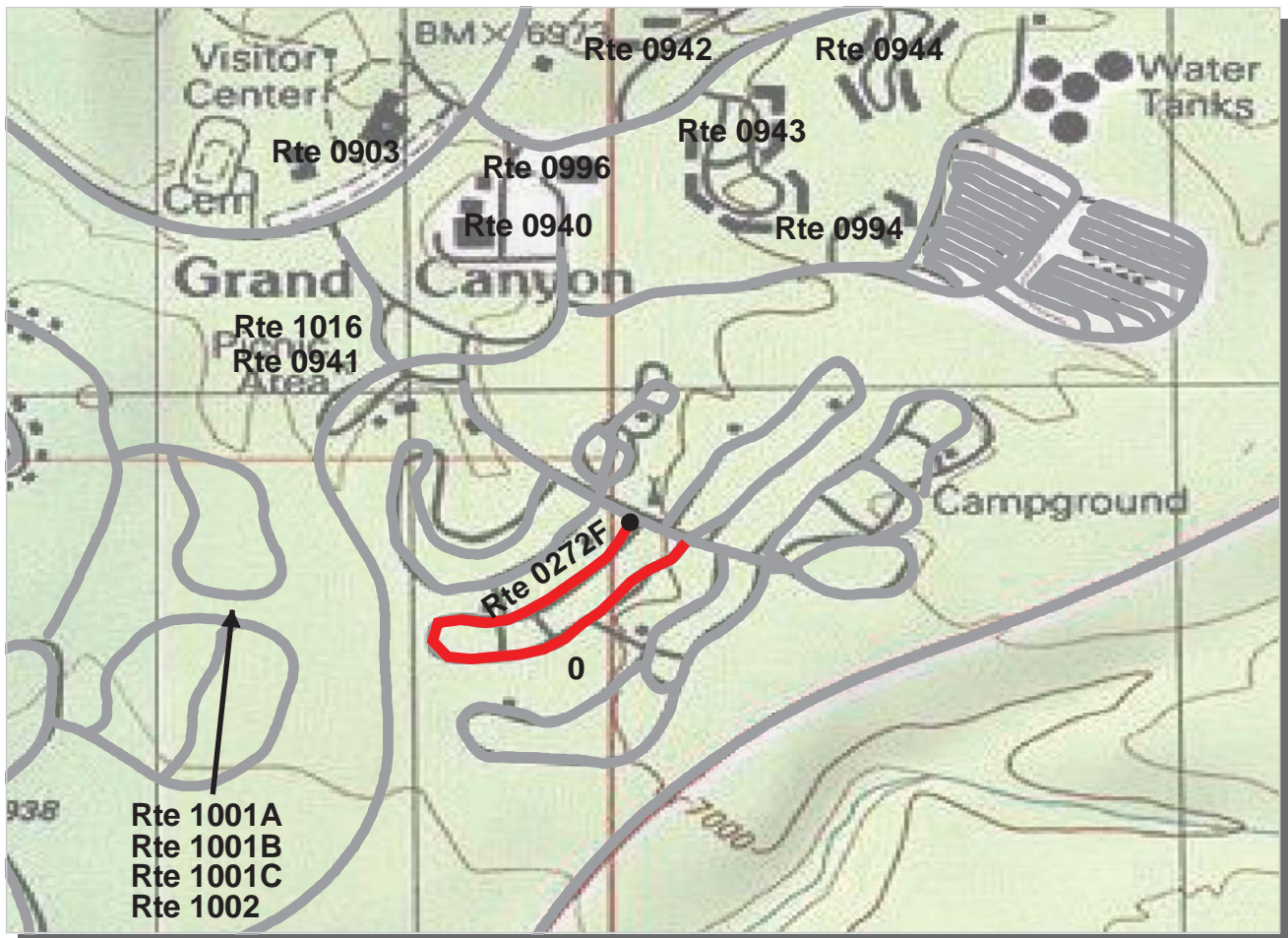
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0272E Mather Campground Sage Loop 4 **TOTAL LENGTH: 0.08 Miles**

Section Number	0				
Section Length (mi)	0.08				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	63				
Rutting Index	51				
Patching Index	100				
Transverse Cracking Index	81				
Longitudinal Cracking Index	94				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0272E Mather Campground Sage Loop 4

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



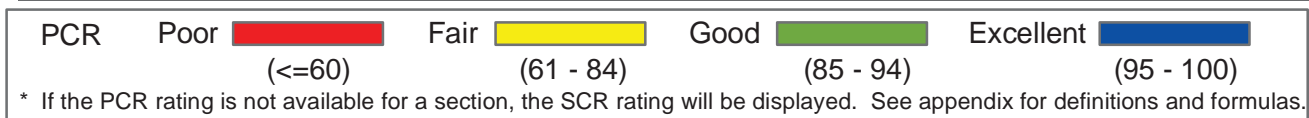
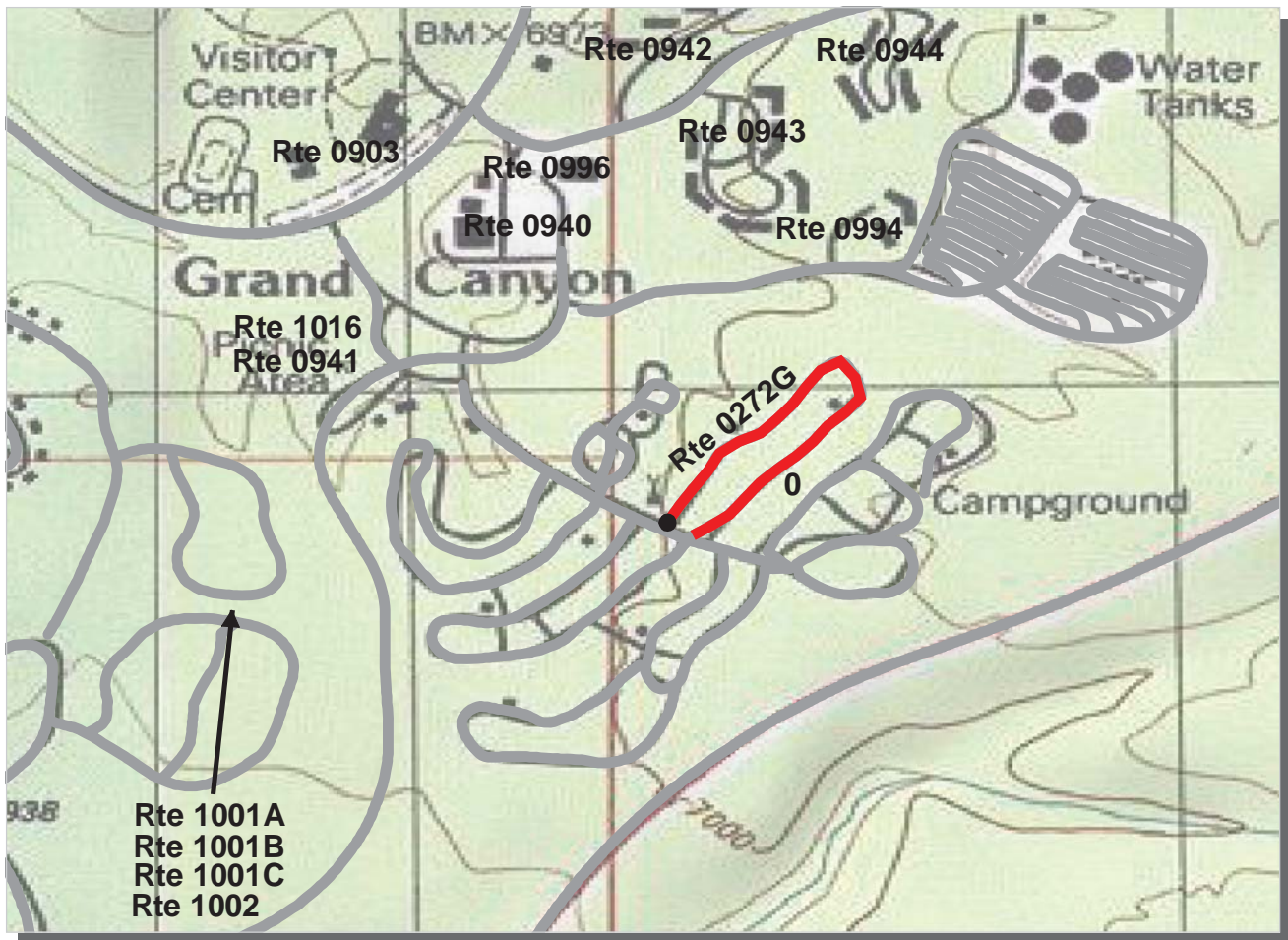
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0272F Mather Campground Fir Loop **TOTAL LENGTH: 0.49 Miles**

Section Number	0			
Section Length (mi)	0.49			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	12			
Lane Width (ft)	12			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	23			
Rutting Index	52			
Patching Index	99			
Transverse Cracking Index	92			
Longitudinal Cracking Index	94			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0272F Mather Campground Fir Loop

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



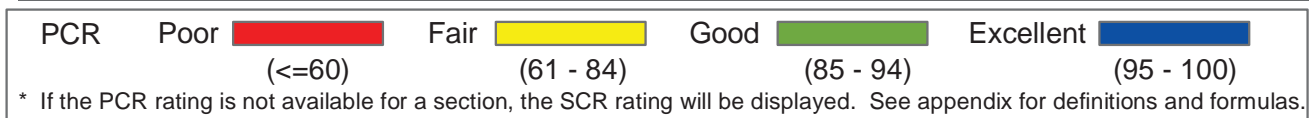
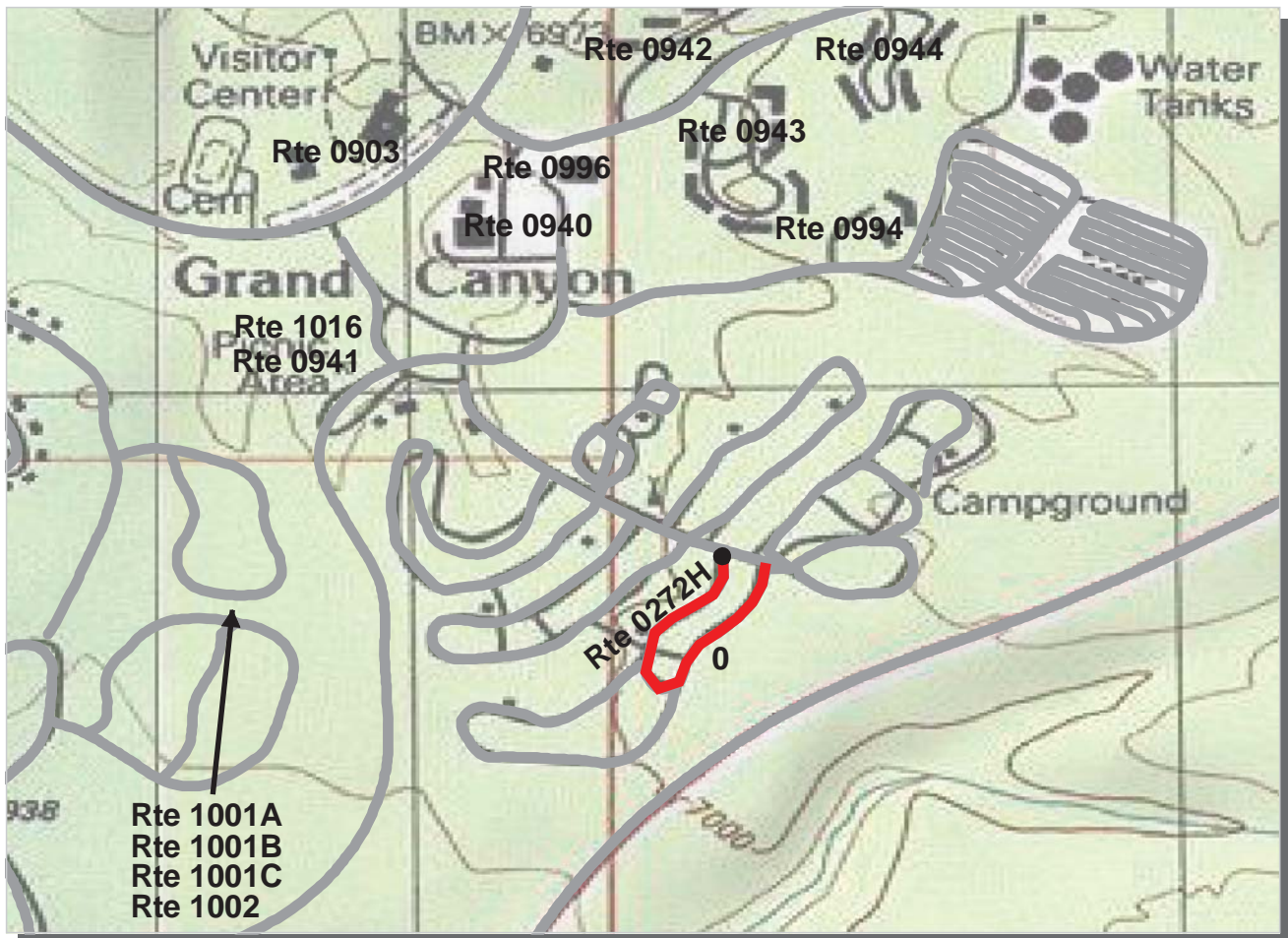
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0272G Mather Campground Pine Loop **TOTAL LENGTH: 0.47 Miles**

Section Number	0			
Section Length (mi)	0.47			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	11			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	50			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	1			
Rutting Index	45			
Patching Index	98			
Transverse Cracking Index	99			
Longitudinal Cracking Index	99			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0272G Mather Campground Pine Loop

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



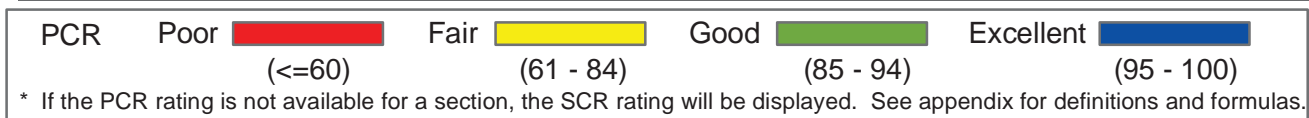
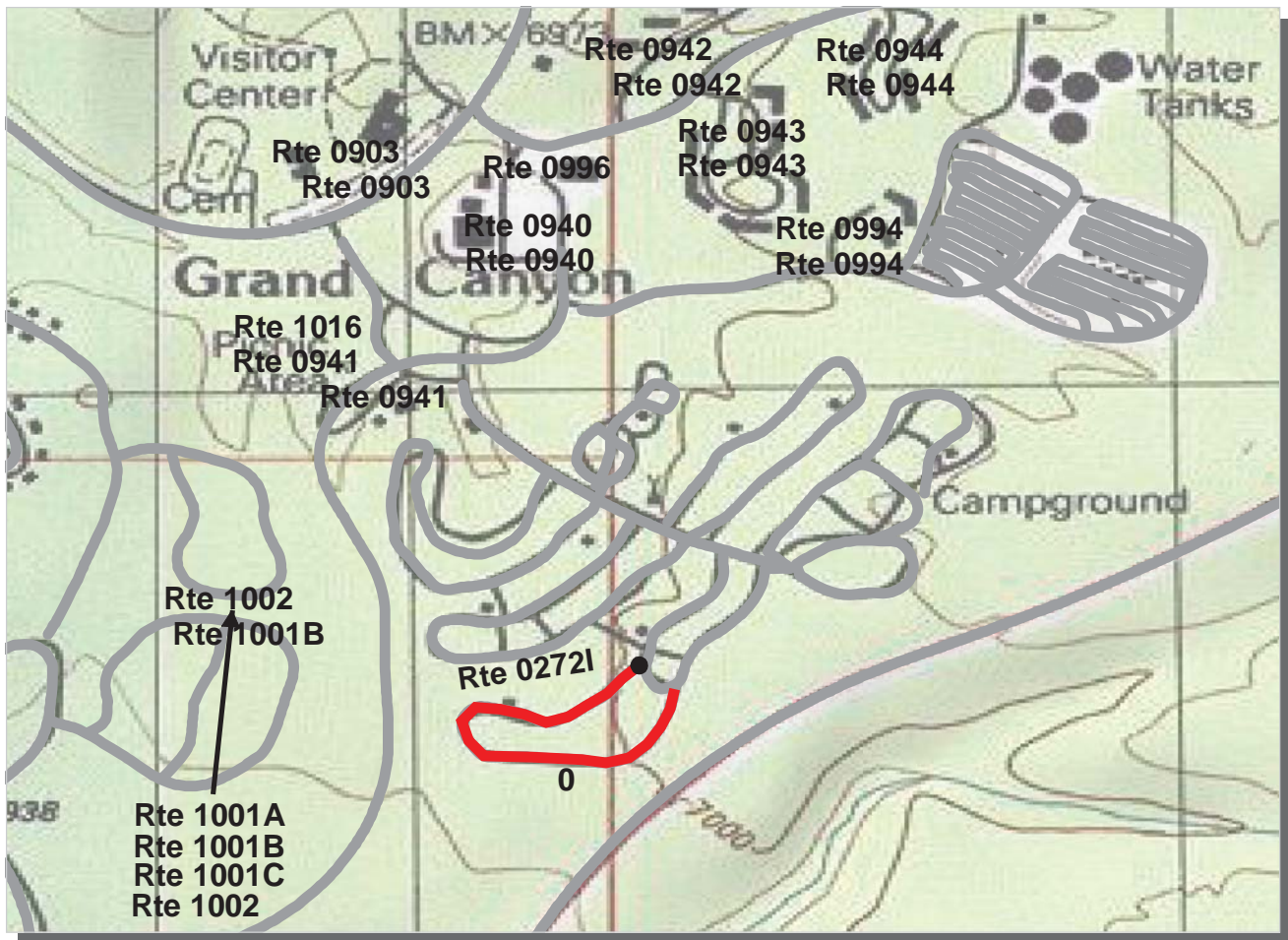
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0272H Mather Campground Juniper Loop 1 **TOTAL LENGTH: 0.33 Miles**

Section Number	0			
Section Length (mi)	0.33			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	11			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	4			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	4			
Alligator Cracking Index	56			
Rutting Index	48			
Patching Index	100			
Transverse Cracking Index	84			
Longitudinal Cracking Index	89			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

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

ROUTE: 0272H Mather Campground Juniper Loop 1



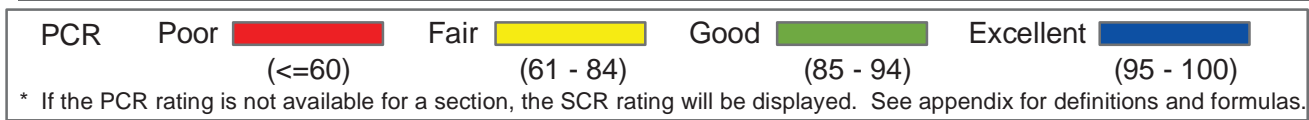
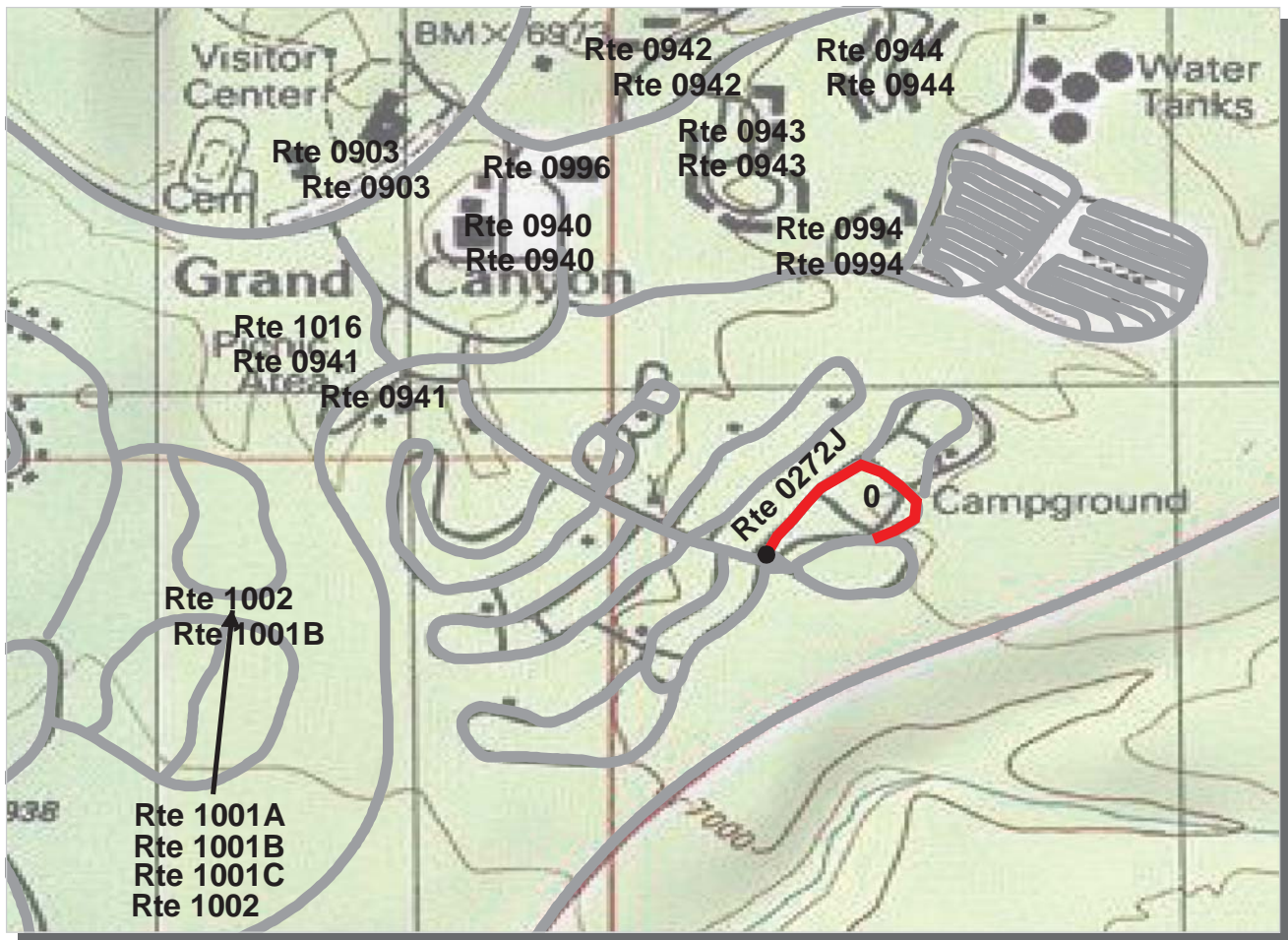
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0272I Mather Campground Juniper Loop 2 **TOTAL LENGTH: 0.43 Miles**

Section Number	0			
Section Length (mi)	0.43			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	10			
Lane Width (ft)	10			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	9			
Rutting Index	41			
Patching Index	99			
Transverse Cracking Index	90			
Longitudinal Cracking Index	92			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0272I Mather Campground Juniper Loop 2

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



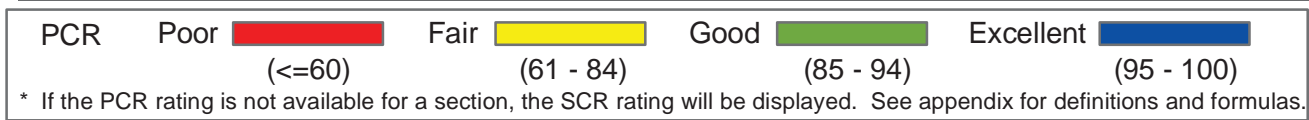
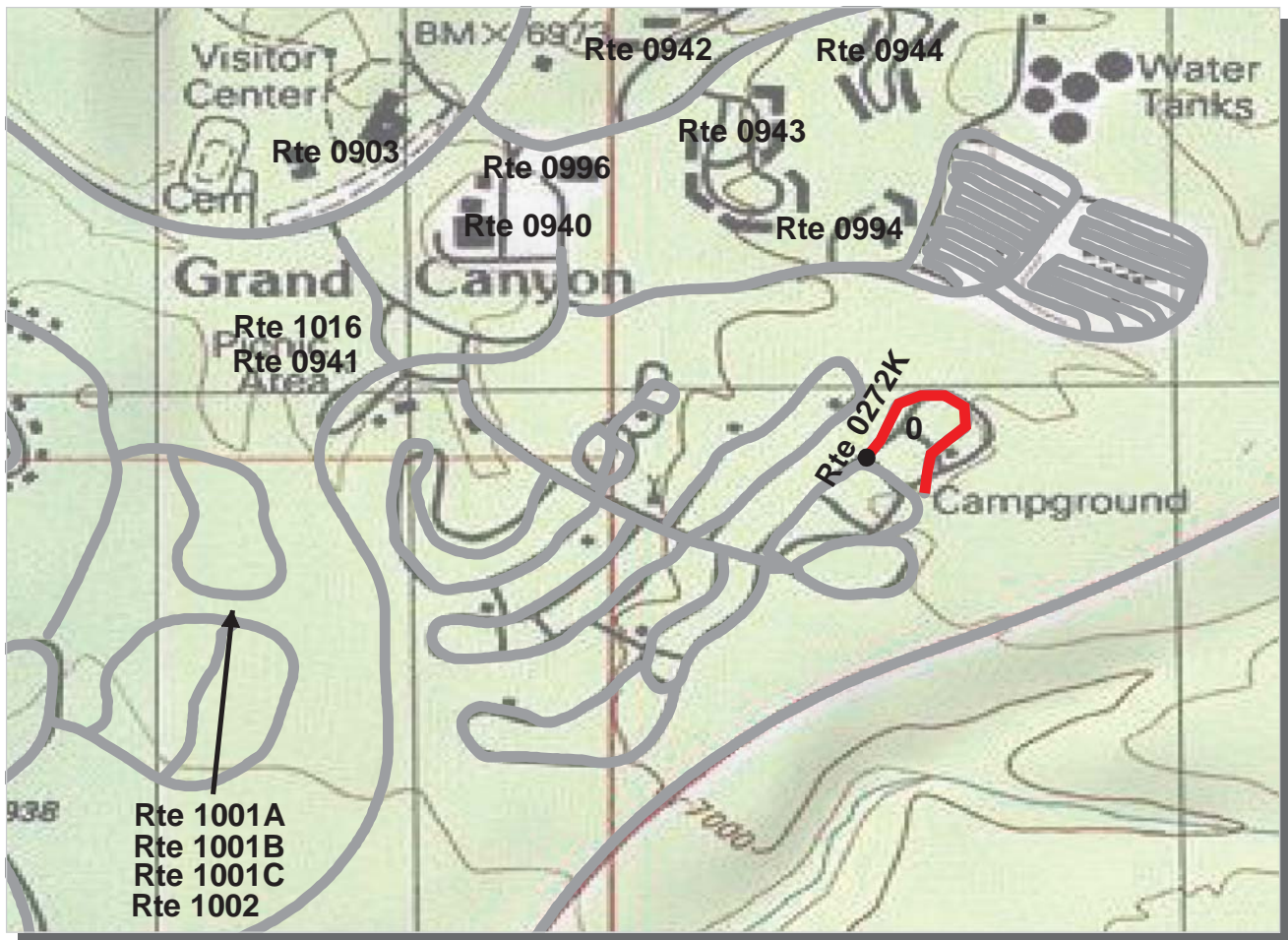
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0272J Mather Campground Oak Loop 1 **TOTAL LENGTH: 0.25 Miles**

Section Number	0			
Section Length (mi)	0.25			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	11			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	29			
Rutting Index	49			
Patching Index	100			
Transverse Cracking Index	84			
Longitudinal Cracking Index	85			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0272J Mather Campground Oak Loop 1

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



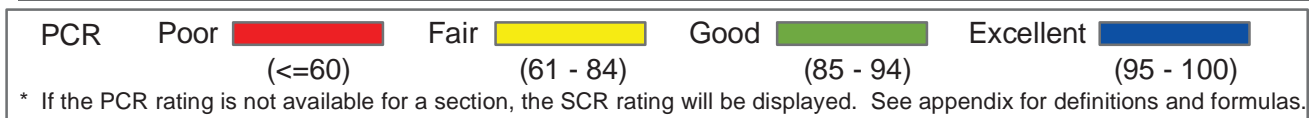
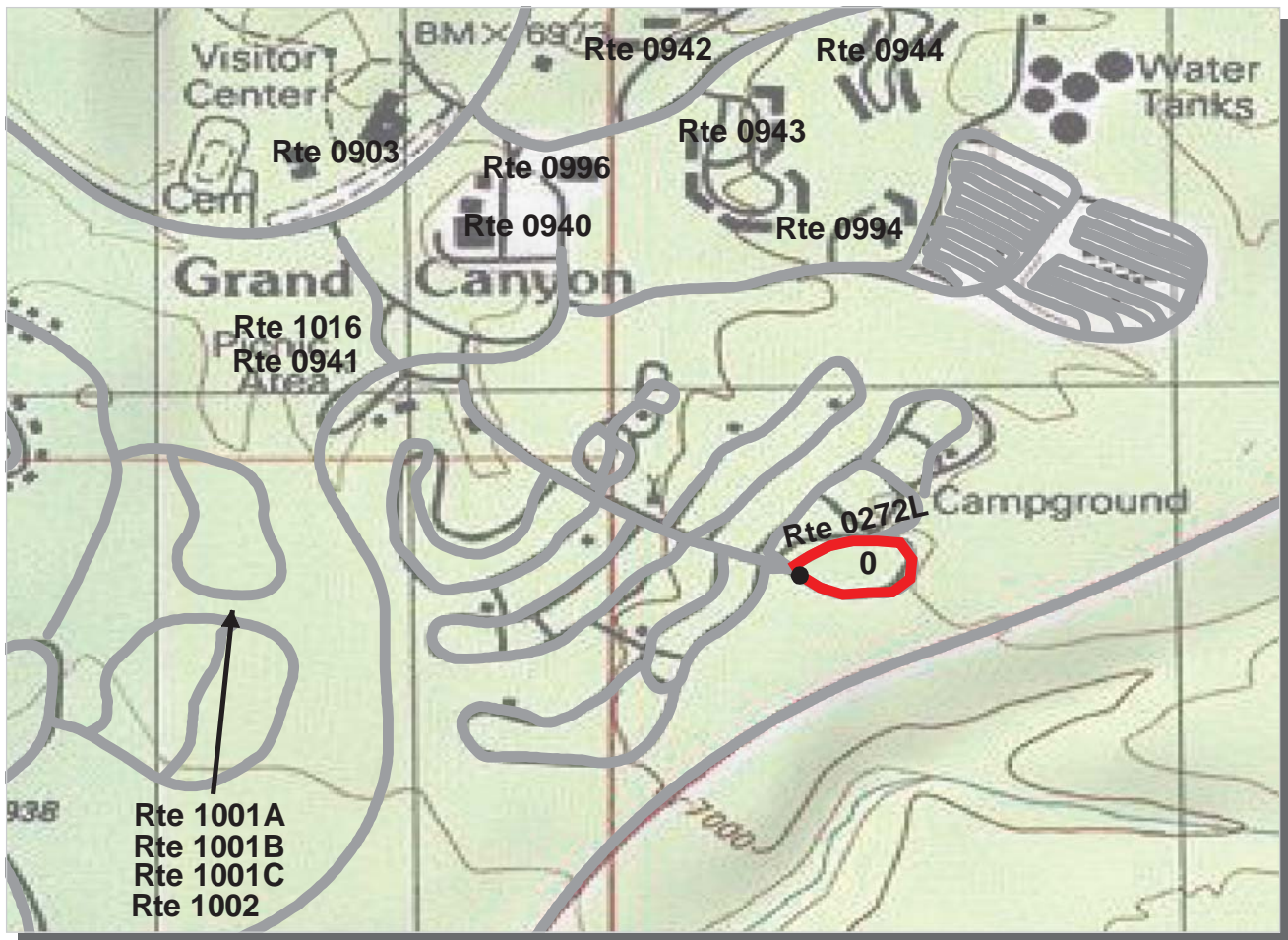
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0272K Mather Campground Oak Loop 2 **TOTAL LENGTH: 0.24 Miles**

Section Number	0				
Section Length (mi)	0.24				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	26				
Rutting Index	51				
Patching Index	99				
Transverse Cracking Index	88				
Longitudinal Cracking Index	94				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0272K Mather Campground Oak Loop 2

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



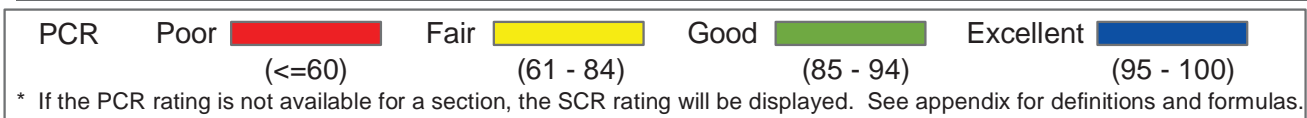
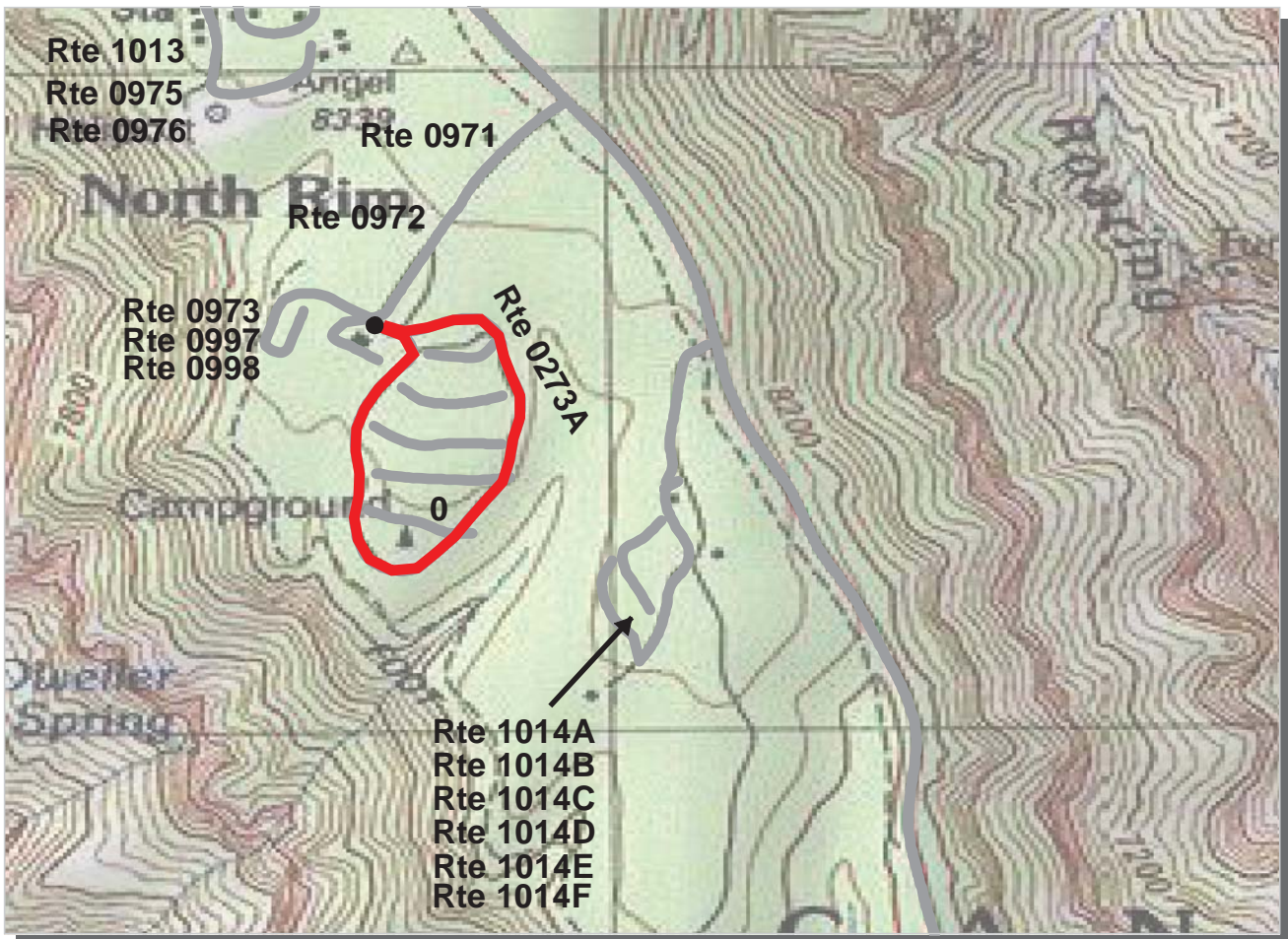
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0272L Mather Campground Maple Loop **TOTAL LENGTH: 0.25 Miles**

Section Number	0			
Section Length (mi)	0.25			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	11			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	0			
Rutting Index	53			
Patching Index	99			
Transverse Cracking Index	97			
Longitudinal Cracking Index	97			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0272L Mather Campground Maple Loop

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



Intermountain Region
GRCA : Grand Canyon National Park

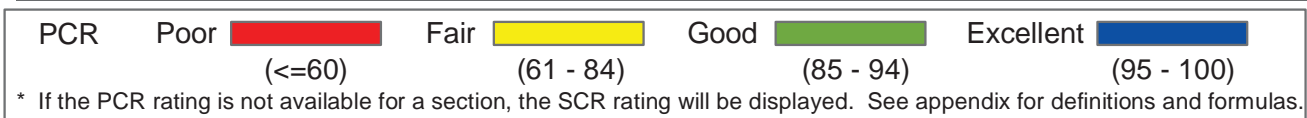
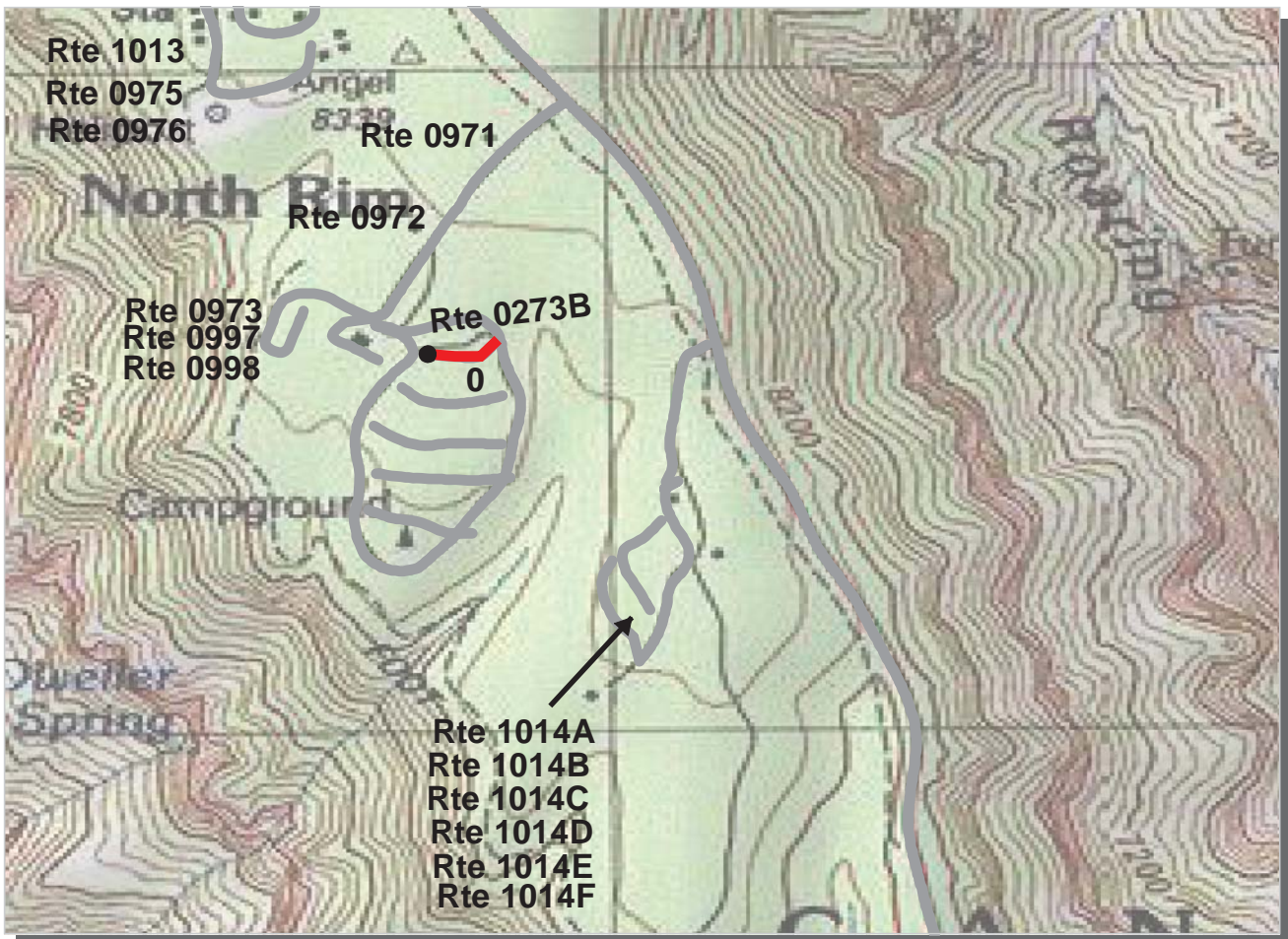
ROUTE: 0273A North Rim Campground Outer Loop **TOTAL LENGTH: 0.63 Miles**

Section Number	0			
Section Length (mi)	0.63			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	17			
Lane Width (ft)	17			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	18			
RCI (Roughness Condition Index)	48			
SCR (Surface Condition Rating)	17			
Alligator Cracking Index	91			
Rutting Index	37			
Patching Index	99			
Transverse Cracking Index	91			
Longitudinal Cracking Index	94			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

* NC designates data not collected NA designates not applicable

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

ROUTE: 0273A North Rim Campground Outer Loop



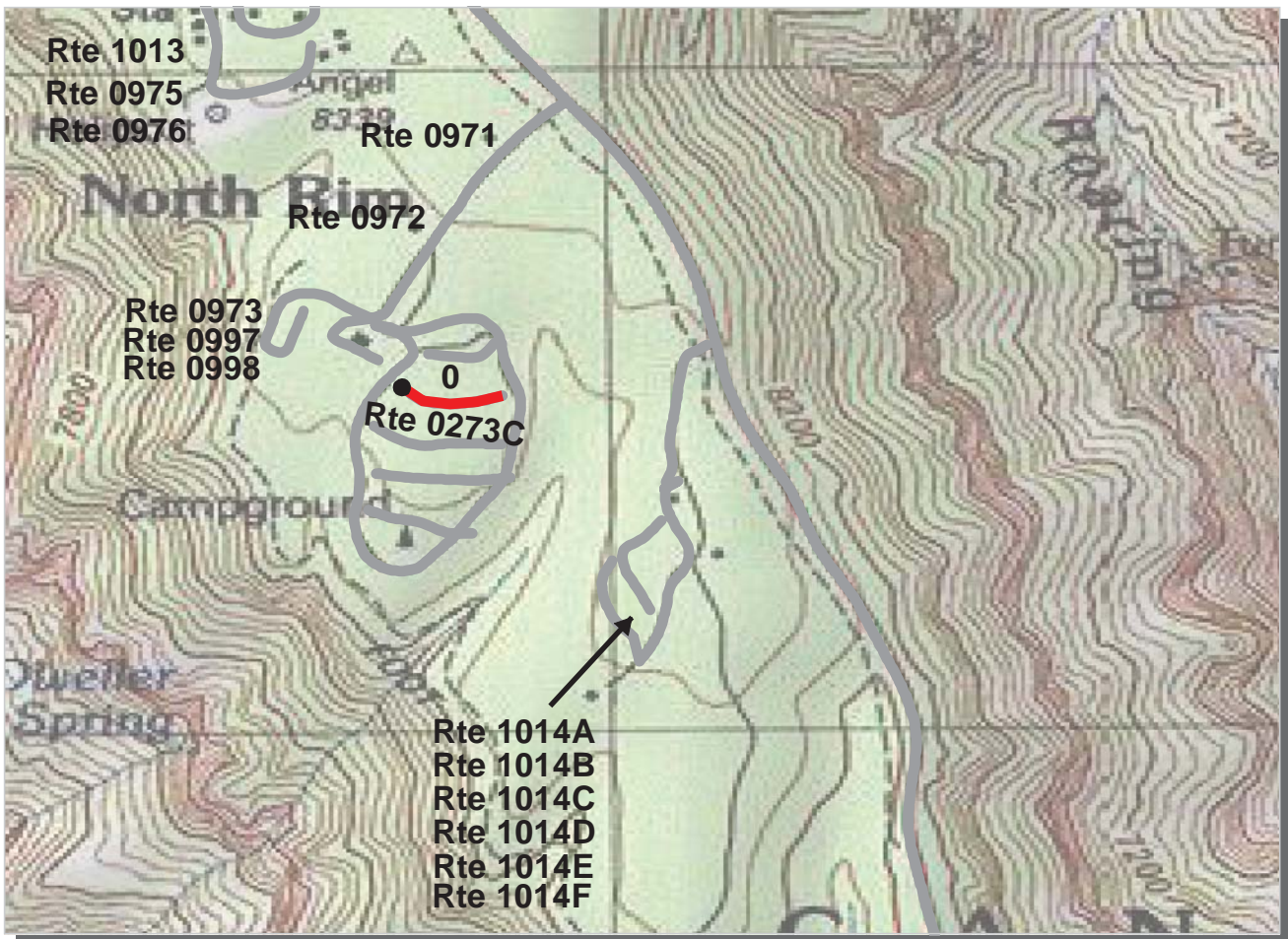
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0273B North Rim Campground Sites 80 To 83 TOTAL LENGTH: 0.07 Miles

Section Number	0				
Section Length (mi)	0.07				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	12				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	12				
Alligator Cracking Index	64				
Rutting Index	24				
Patching Index	99				
Transverse Cracking Index	88				
Longitudinal Cracking Index	90				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

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

ROUTE: 0273B North Rim Campground Sites 80 To 83



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.

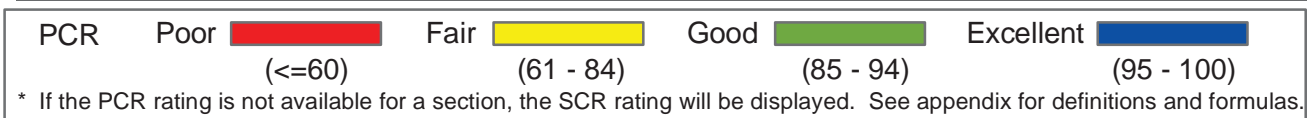
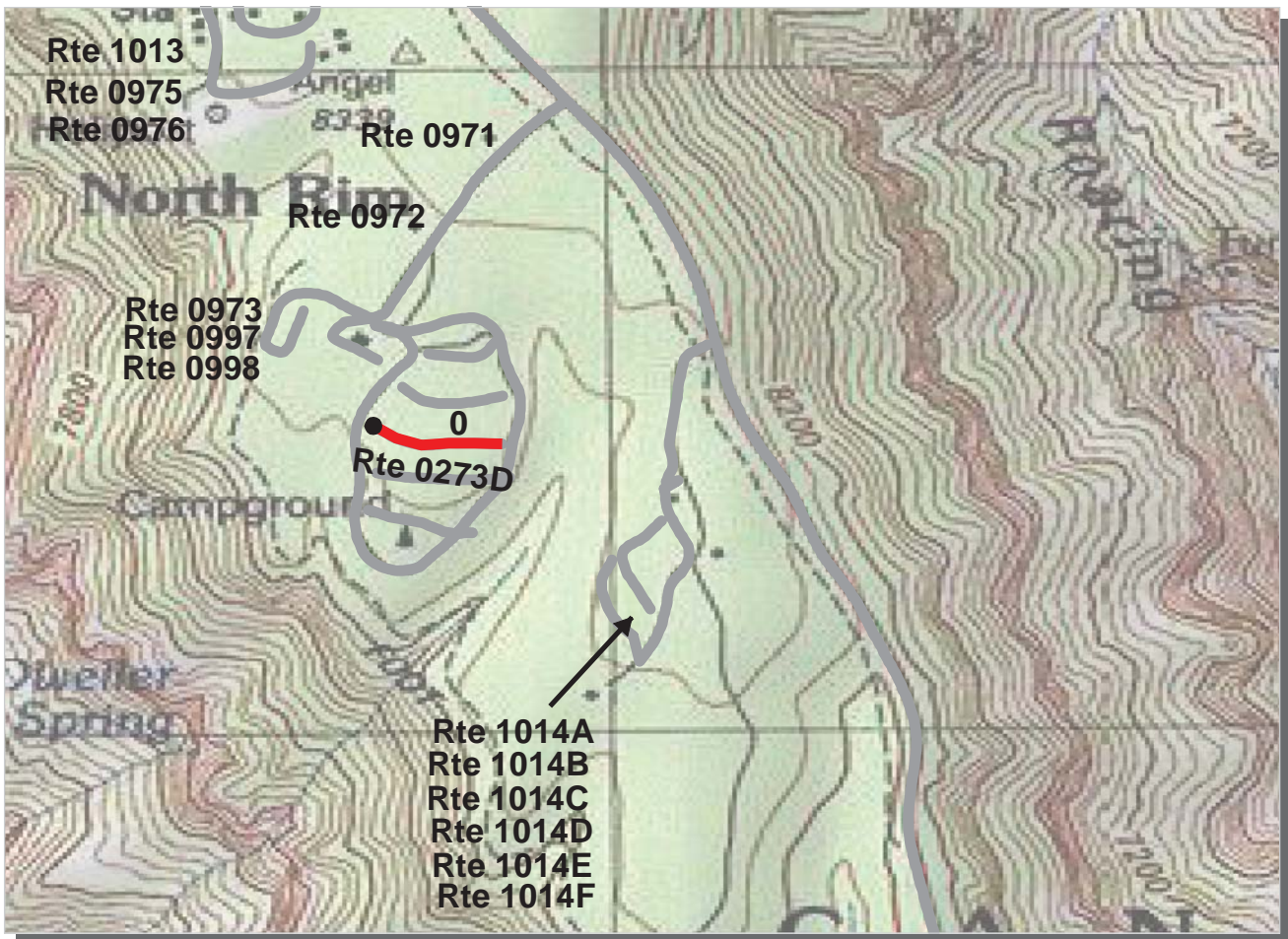
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0273C North Rim Campground Sites 74 To 79 TOTAL LENGTH: 0.09 Miles

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	5				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	5				
Alligator Cracking Index	74				
Rutting Index	16				
Patching Index	99				
Transverse Cracking Index	90				
Longitudinal Cracking Index	90				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

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

ROUTE: 0273C North Rim Campground Sites 74 To 79



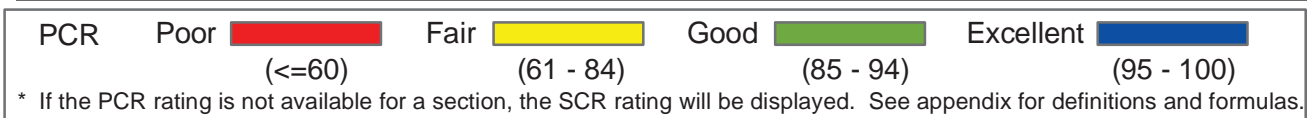
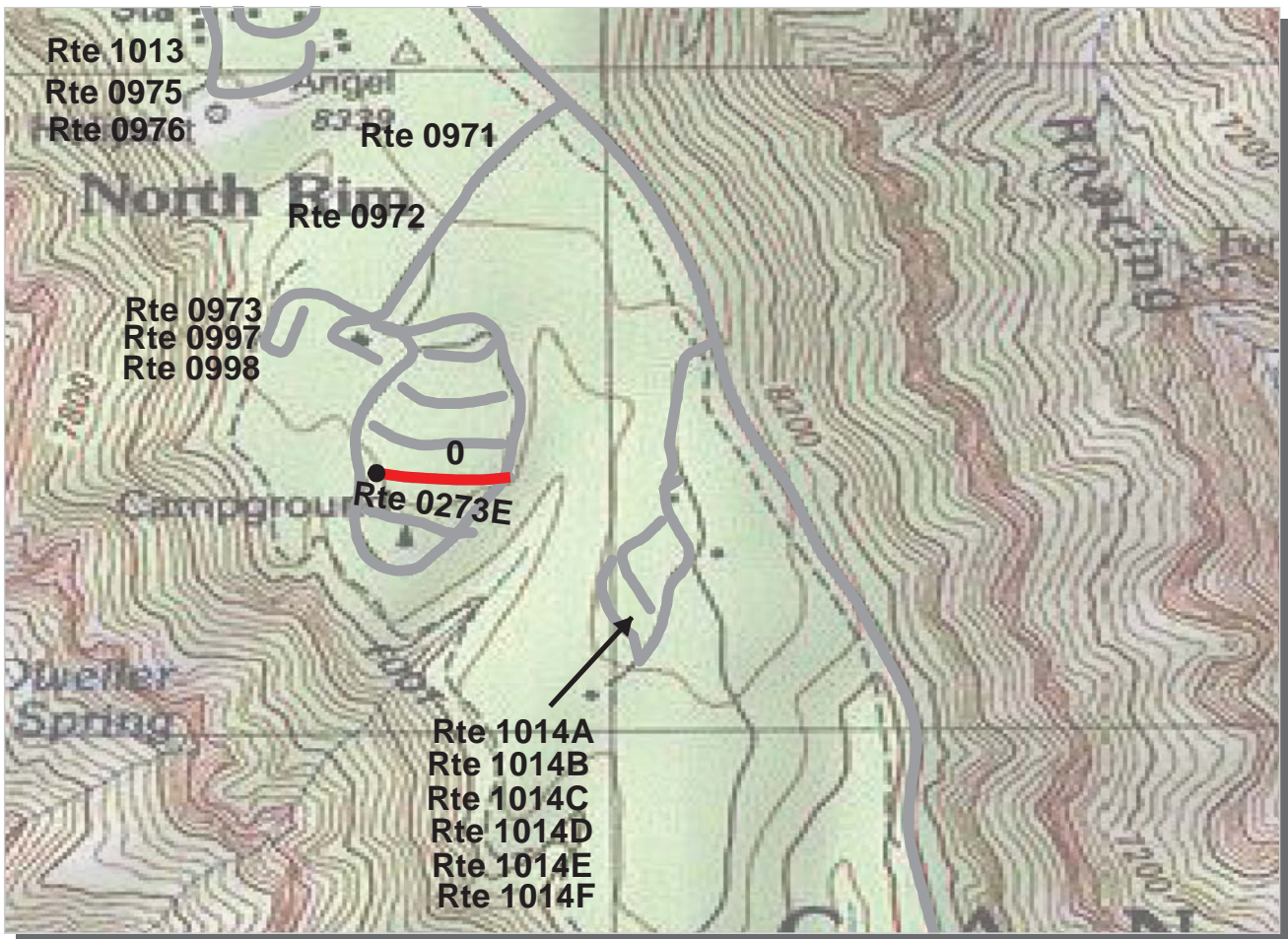
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0273D North Rim Campground Sites 64 To 73 TOTAL LENGTH: 0.12 Miles

Section Number	0			
Section Length (mi)	0.12			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	11			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	76			
Rutting Index	12			
Patching Index	97			
Transverse Cracking Index	93			
Longitudinal Cracking Index	92			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0273D North Rim Campground Sites 64 To 73

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



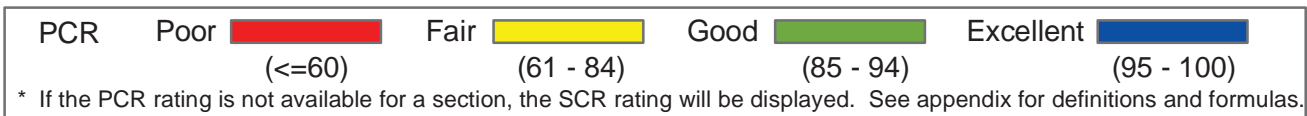
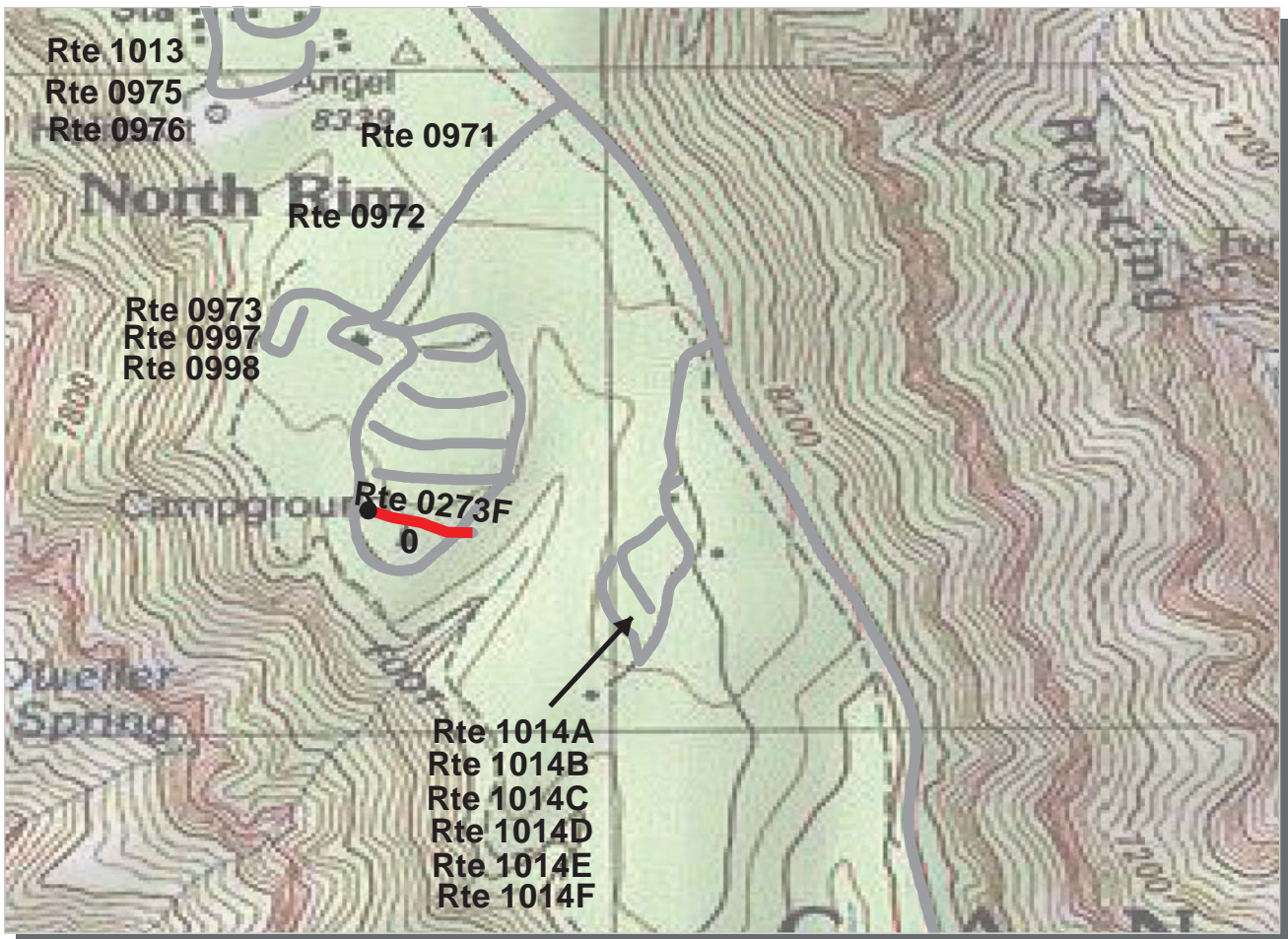
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0273E North Rim Campground Sites 53 To 63 TOTAL LENGTH: 0.11 Miles

Section Number	0				
Section Length (mi)	0.11				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	9				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	9				
Alligator Cracking Index	100				
Rutting Index	11				
Patching Index	98				
Transverse Cracking Index	97				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0273E North Rim Campground Sites 53 To 63

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



Intermountain Region
GRCA : Grand Canyon National Park

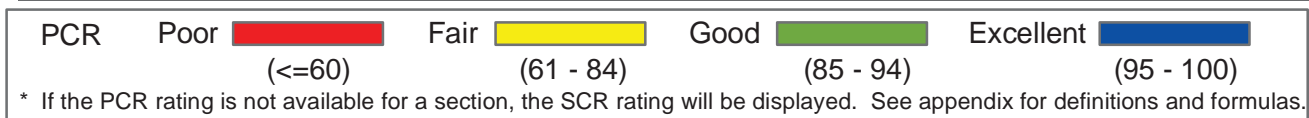
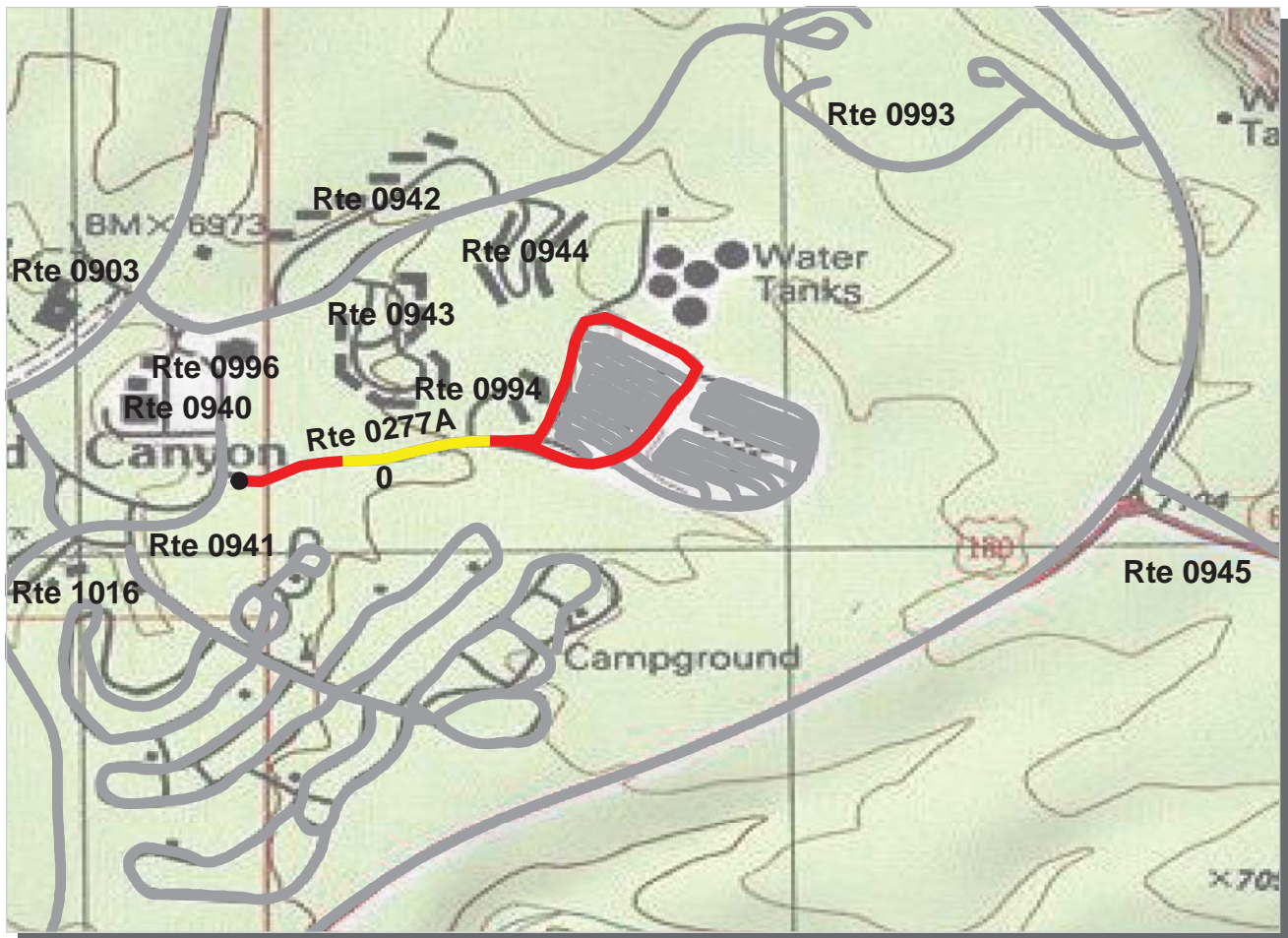
ROUTE: 0273F North Rim Campground Sites 47 To 52 TOTAL LENGTH: 0.09 Miles

Section Number	0			
Section Length (mi)	0.09			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	14			
Lane Width (ft)	14			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	9			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	9			
Alligator Cracking Index	96			
Rutting Index	23			
Patching Index	99			
Transverse Cracking Index	90			
Longitudinal Cracking Index	93			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

* NC designates data not collected NA designates not applicable

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

ROUTE: 0273F North Rim Campground Sites 47 To 52



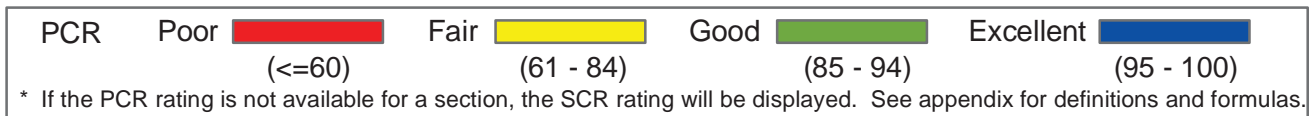
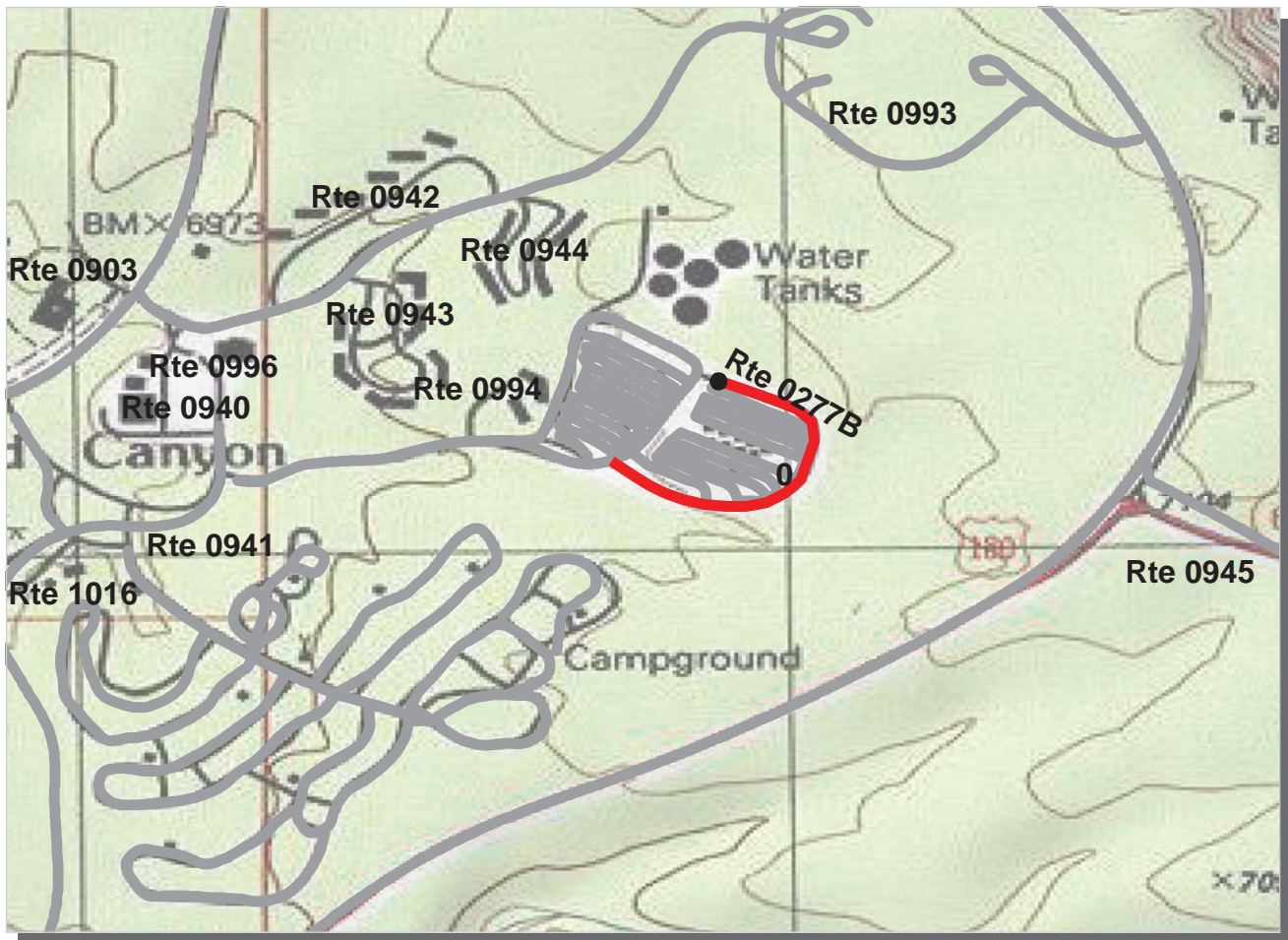
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0277A Trailer Village Outer Loop A **TOTAL LENGTH: 0.75 Miles**

Section Number	0				
Section Length (mi)	0.75				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	19				
RCI (Roughness Condition Index)	78				
SCR (Surface Condition Rating)	14				
Alligator Cracking Index	35				
Rutting Index	46				
Patching Index	99				
Transverse Cracking Index	97				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0277A Trailer Village Outer Loop A

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



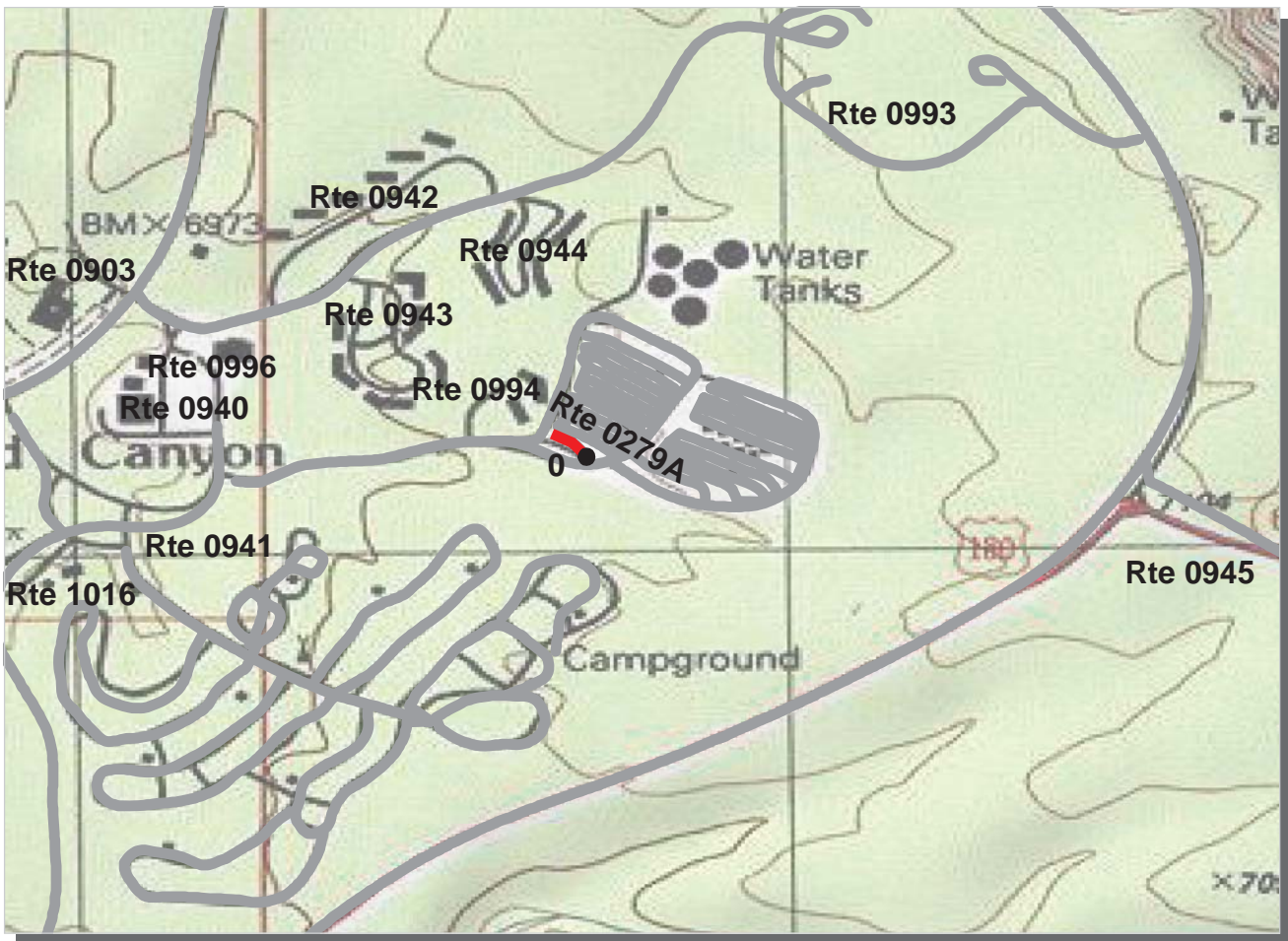
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0277B Trailer Village Outer Loop B **TOTAL LENGTH: 0.38 Miles**

Section Number	0			
Section Length (mi)	0.38			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	10			
Lane Width (ft)	10			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	1			
RCI (Roughness Condition Index)	69			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	0			
Rutting Index	50			
Patching Index	98			
Transverse Cracking Index	98			
Longitudinal Cracking Index	98			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	N/C			

ROUTE: 0277B Trailer Village Outer Loop B

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



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.

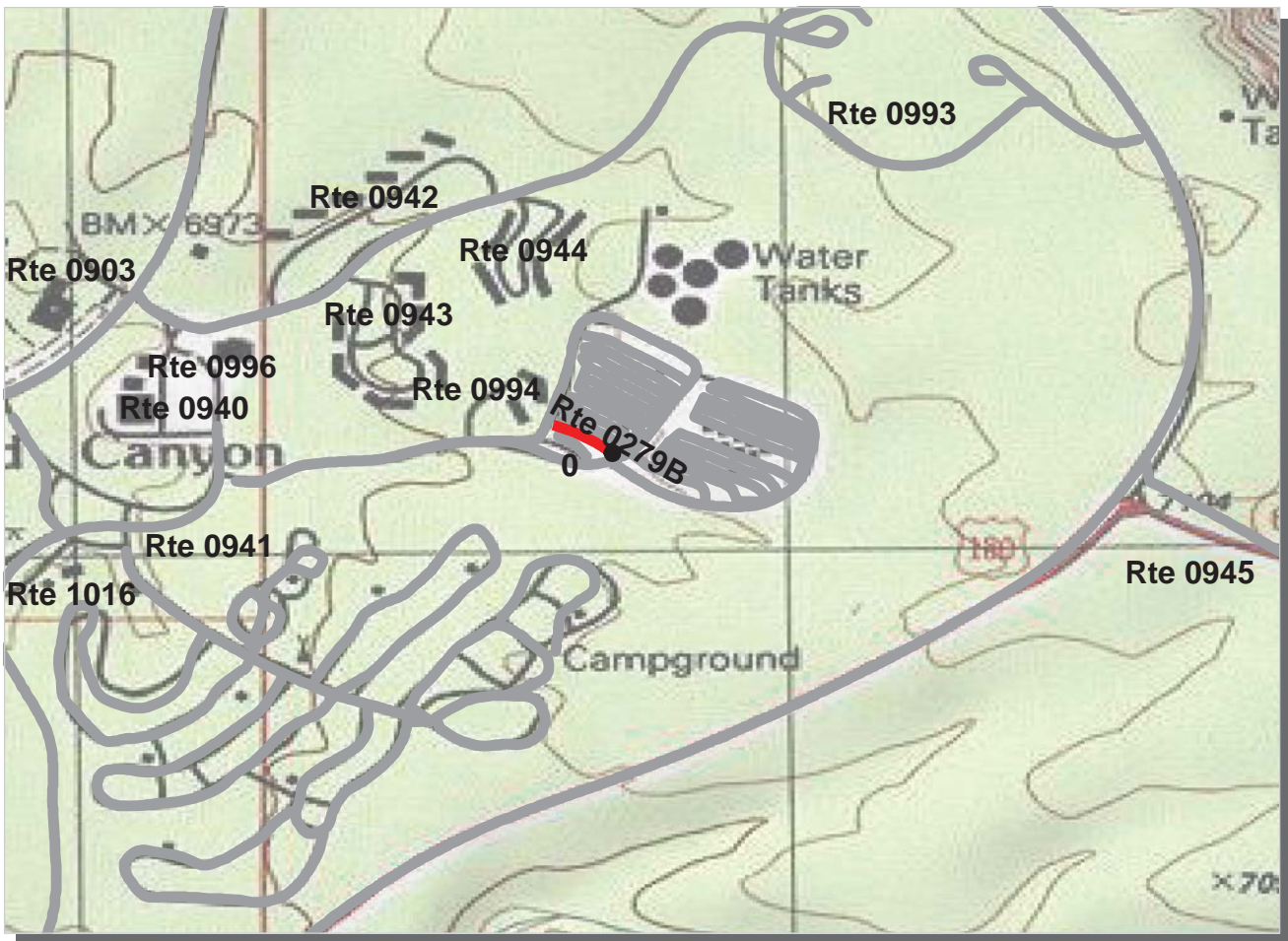
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279A Trailer Village Road A **TOTAL LENGTH: 0.05 Miles**

Section Number	0				
Section Length (mi)	0.05				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	9				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	7				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	7				
Alligator Cracking Index	70				
Rutting Index	49				
Patching Index	96				
Transverse Cracking Index	88				
Longitudinal Cracking Index	90				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279A Trailer Village 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>



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.

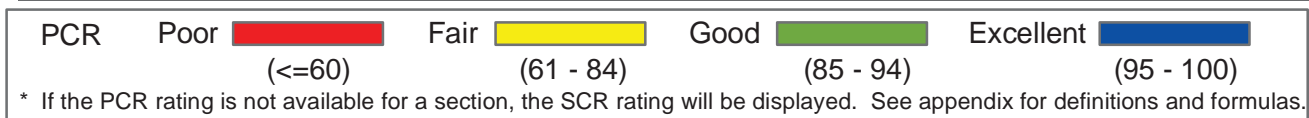
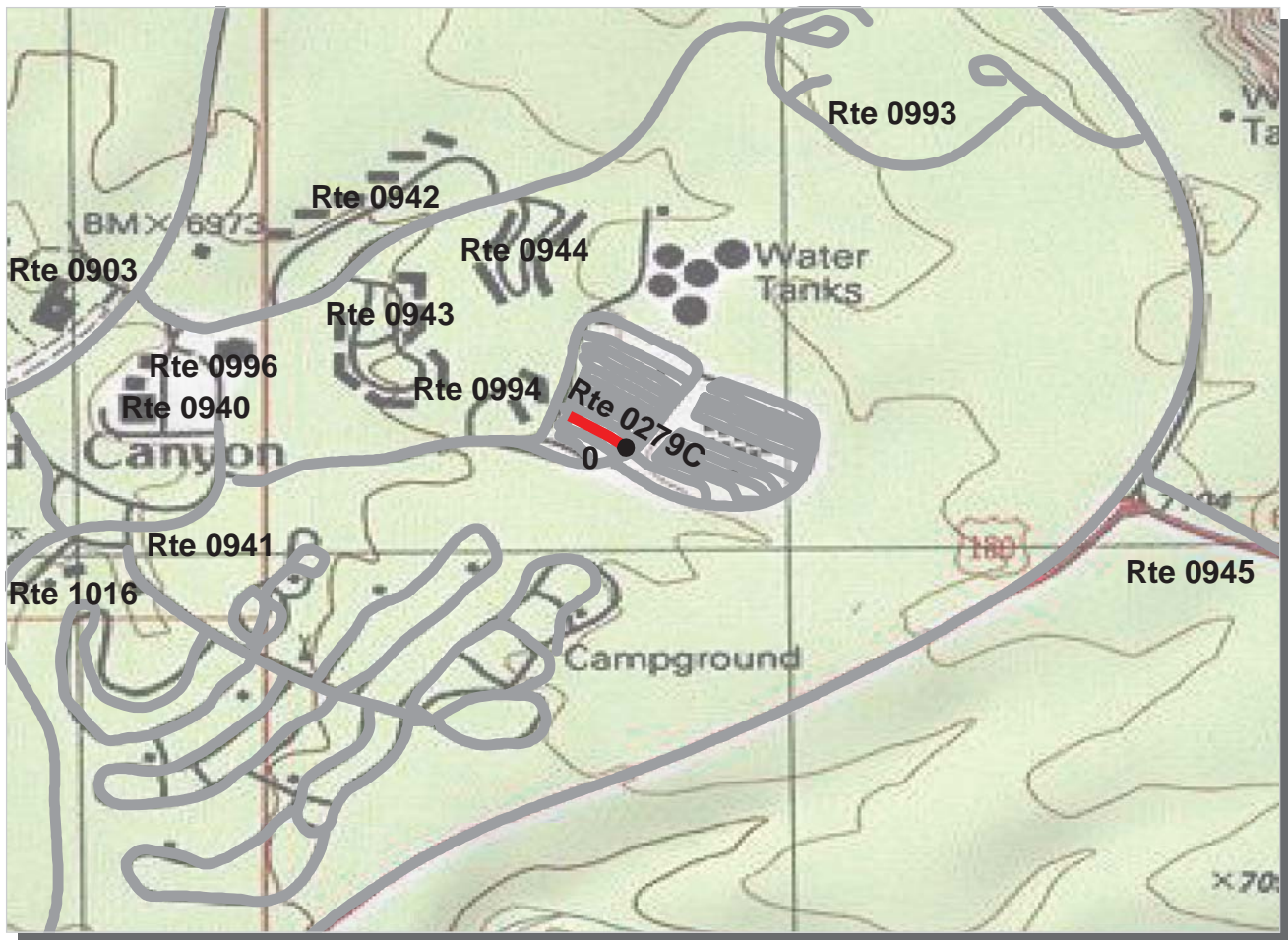
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279B Trailer Village Road B **TOTAL LENGTH: 0.07 Miles**

Section Number	0				
Section Length (mi)	0.07				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	4				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	4				
Alligator Cracking Index	52				
Rutting Index	66				
Patching Index	100				
Transverse Cracking Index	83				
Longitudinal Cracking Index	88				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279B Trailer Village 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>



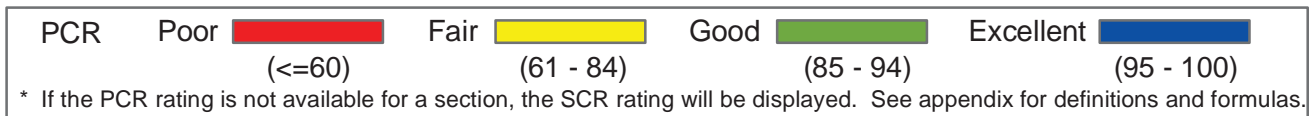
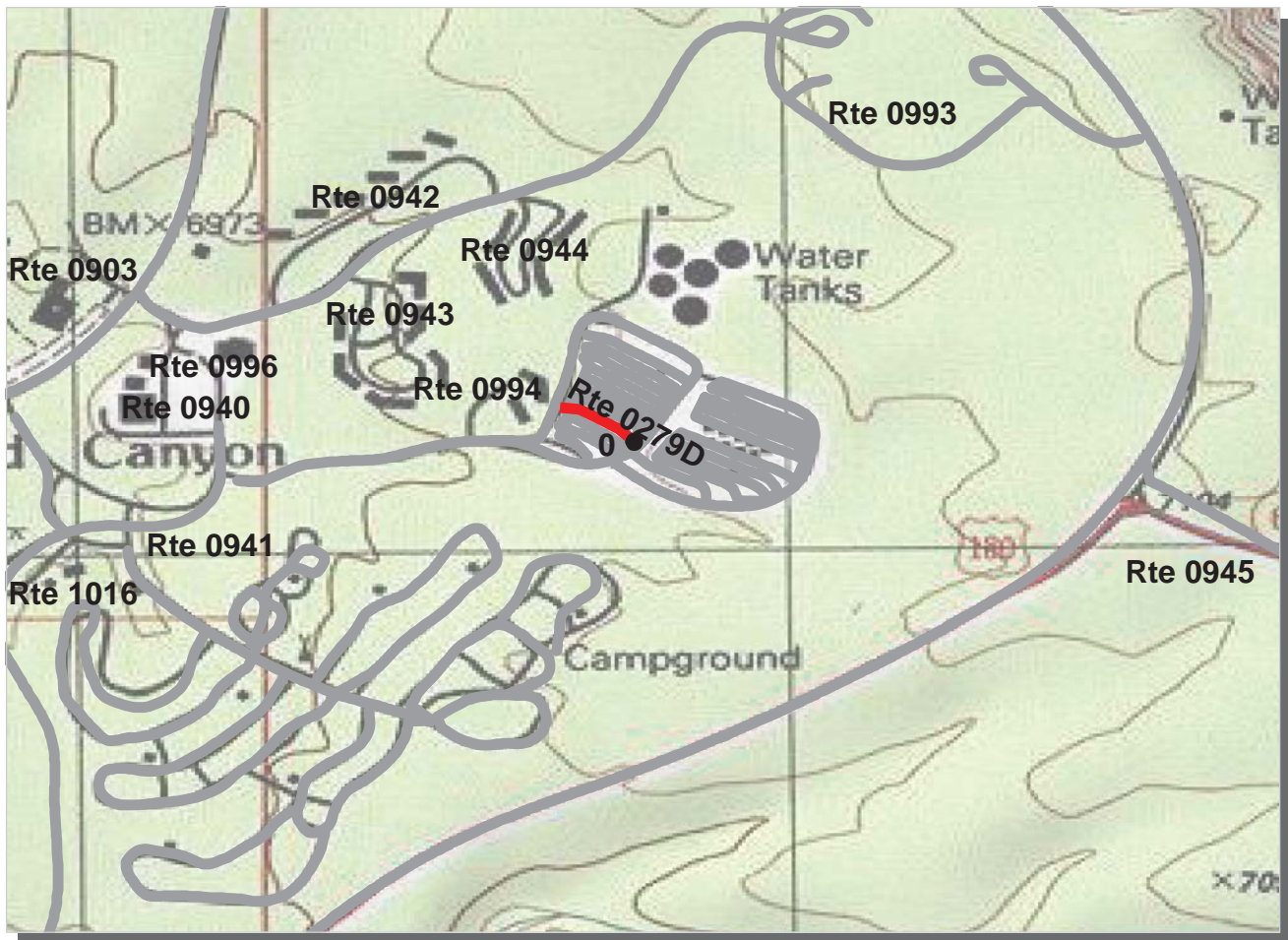
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279C Trailer Village Road C **TOTAL LENGTH: 0.08 Miles**

Section Number	0				
Section Length (mi)	0.08				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	46				
Rutting Index	55				
Patching Index	99				
Transverse Cracking Index	71				
Longitudinal Cracking Index	88				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279C Trailer Village Road C

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



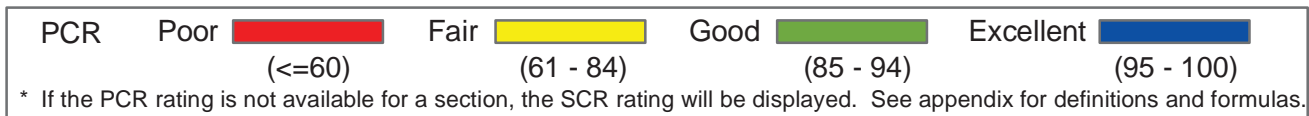
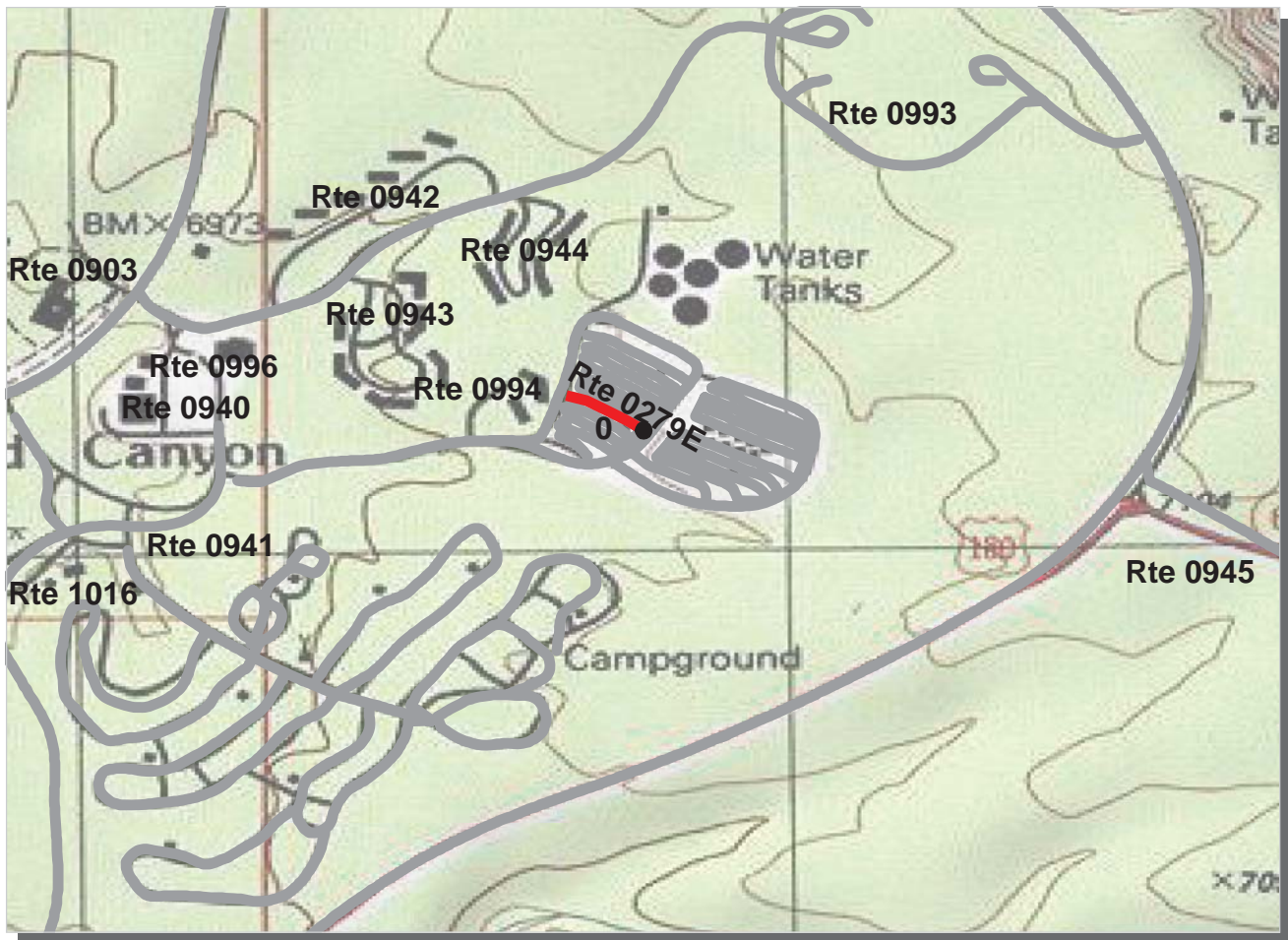
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279D Trailer Village Road D **TOTAL LENGTH: 0.09 Miles**

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	8				
Rutting Index	52				
Patching Index	98				
Transverse Cracking Index	94				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279D Trailer Village Road D

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



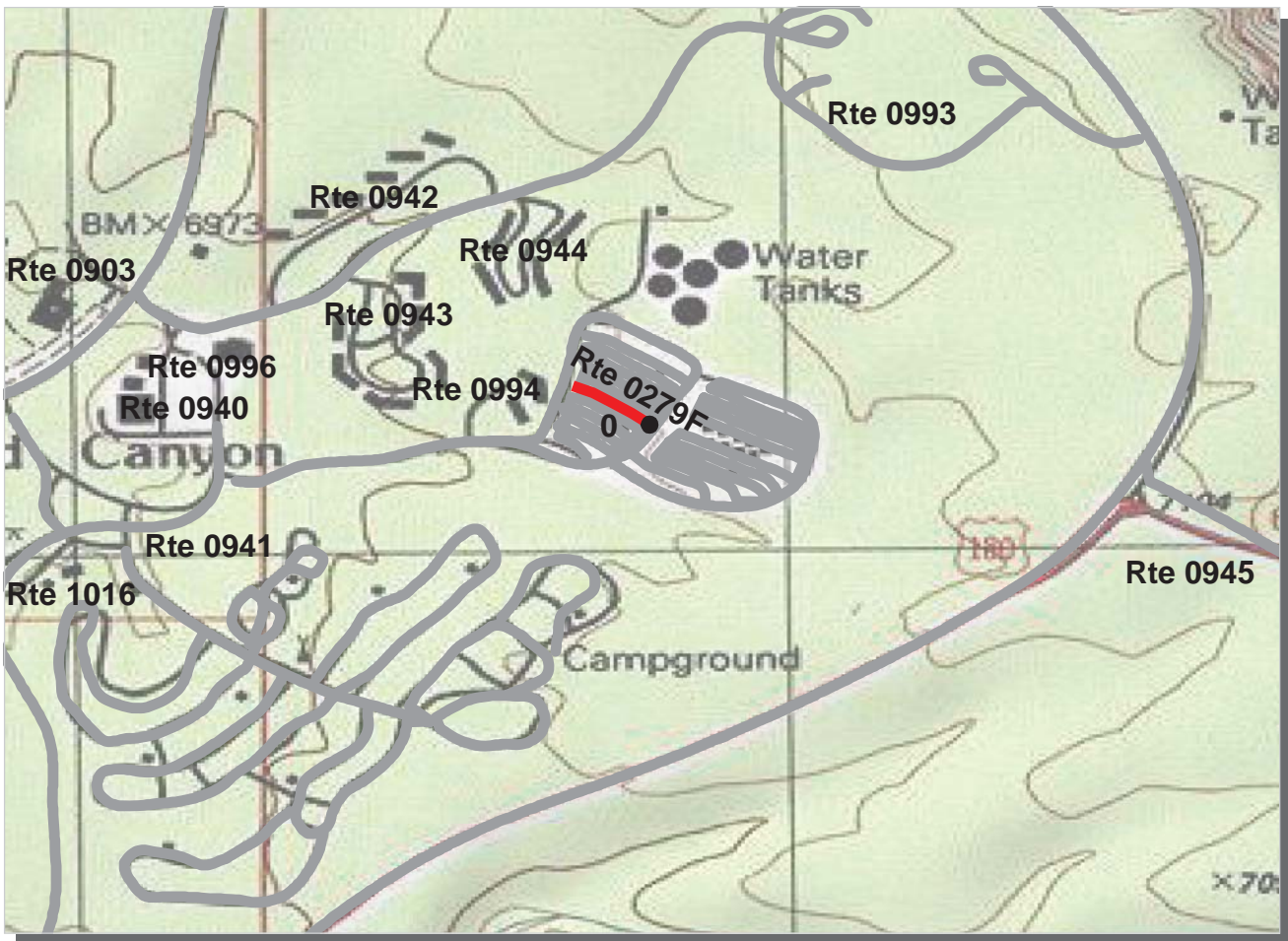
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279E Trailer Village Road E **TOTAL LENGTH: 0.09 Miles**

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	24				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	24				
Alligator Cracking Index	79				
Rutting Index	59				
Patching Index	99				
Transverse Cracking Index	85				
Longitudinal Cracking Index	94				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279E Trailer Village Road E

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



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.

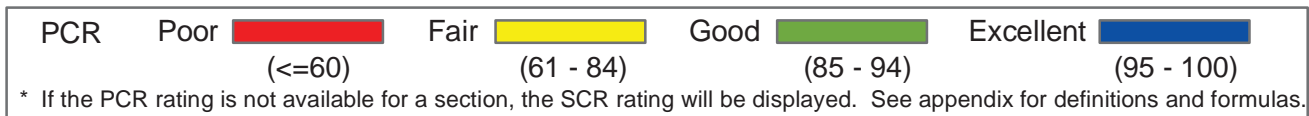
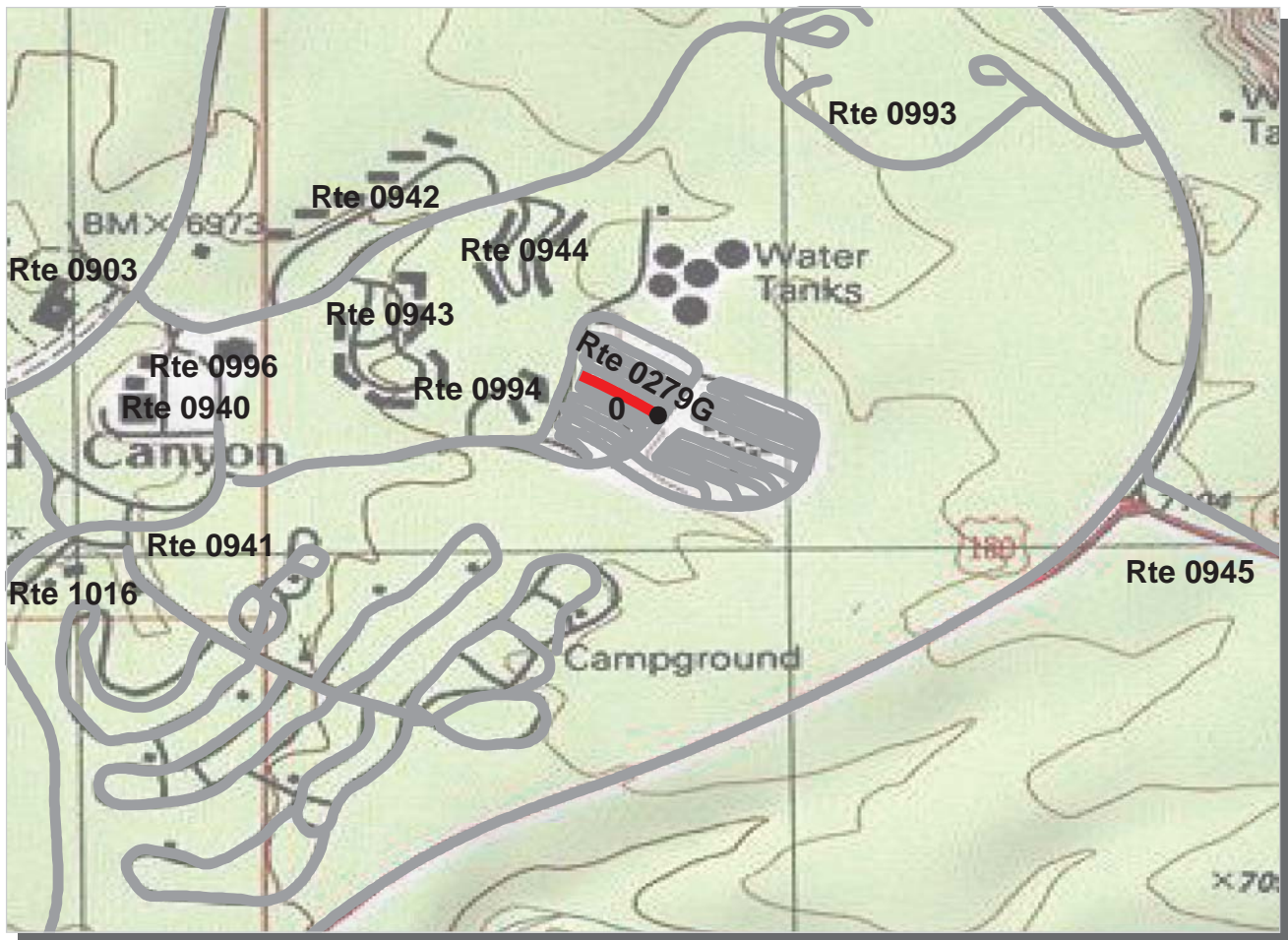
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279F Trailer Village Road F **TOTAL LENGTH: 0.09 Miles**

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	4				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	4				
Alligator Cracking Index	19				
Rutting Index	63				
Patching Index	99				
Transverse Cracking Index	95				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279F Trailer Village Road F

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



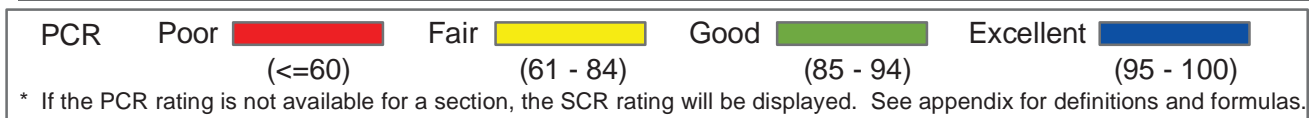
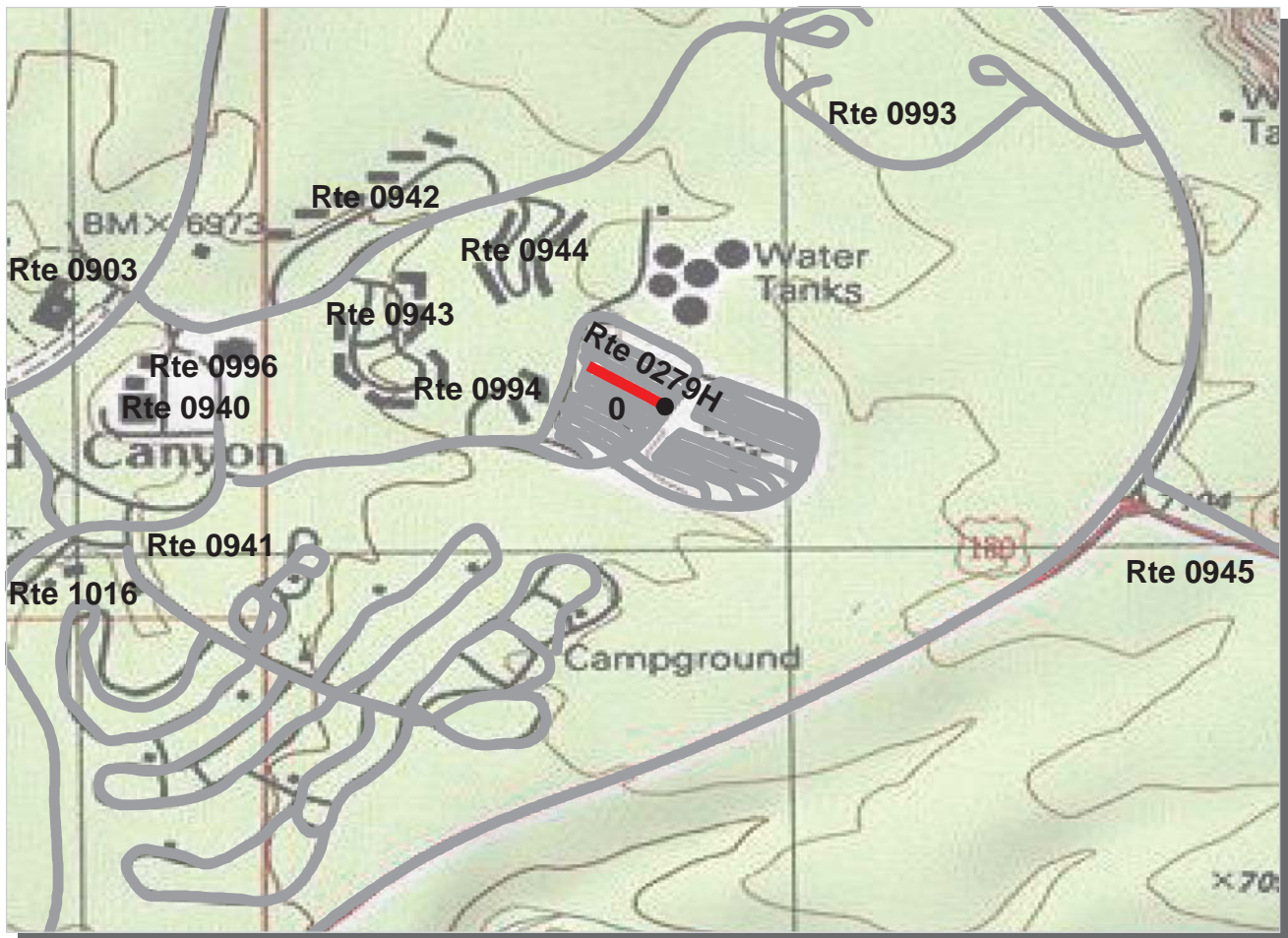
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279G Trailer Village Road G **TOTAL LENGTH: 0.10 Miles**

Section Number	0				
Section Length (mi)	0.10				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	5				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	5				
Alligator Cracking Index	37				
Rutting Index	63				
Patching Index	100				
Transverse Cracking Index	77				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279G Trailer Village Road G

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



Intermountain Region
GRCA : Grand Canyon National Park

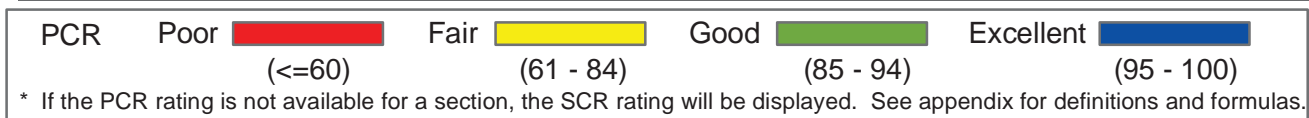
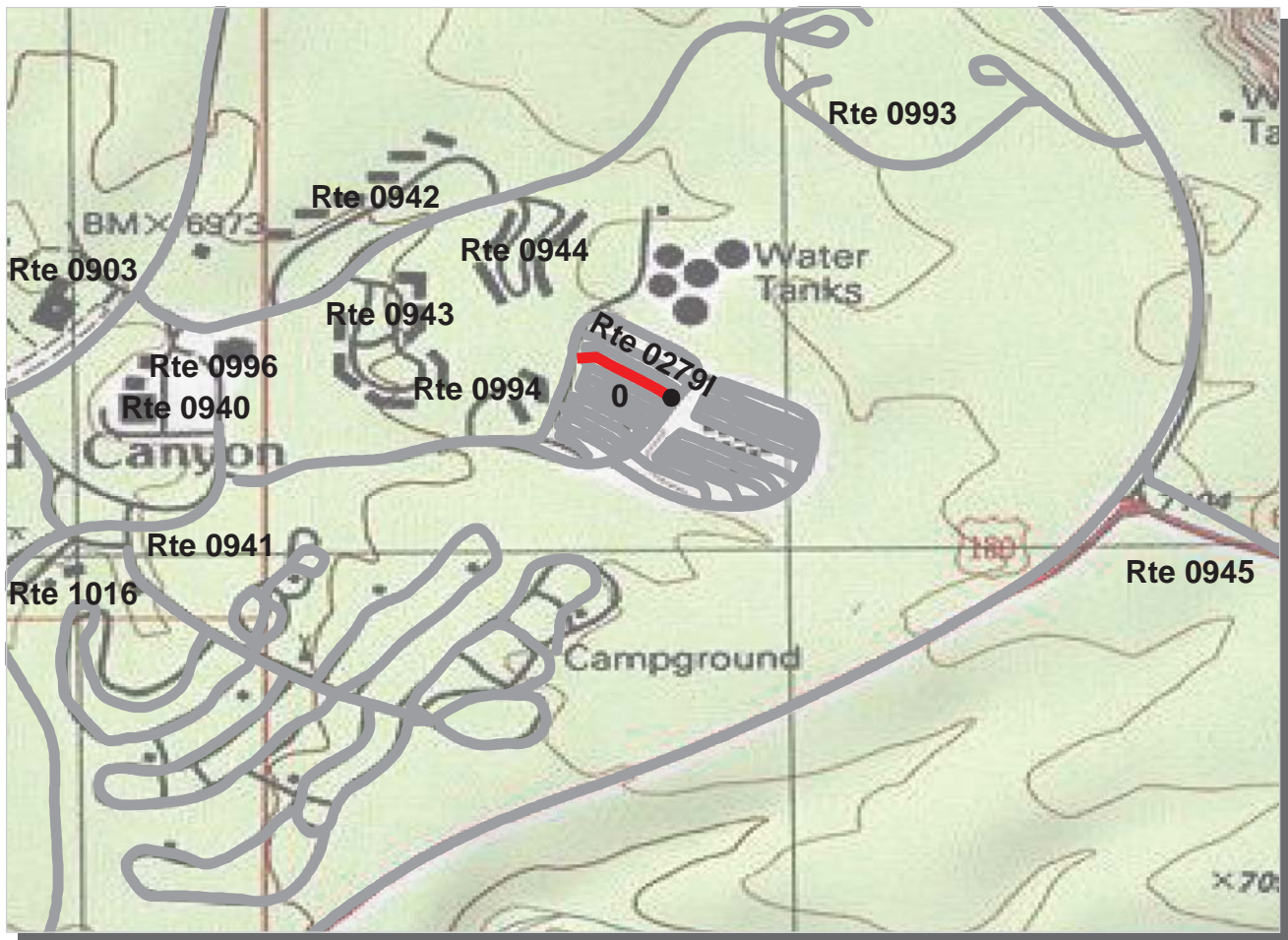
ROUTE: 0279H Trailer Village Road H **TOTAL LENGTH: 0.10 Miles**

Section Number	0				
Section Length (mi)	0.10				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	20				
Rutting Index	62				
Patching Index	99				
Transverse Cracking Index	89				
Longitudinal Cracking Index	94				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279H Trailer Village Road H

* NC designates data not collected NA designates not applicable

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



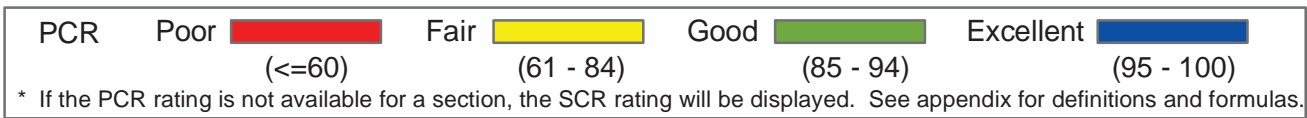
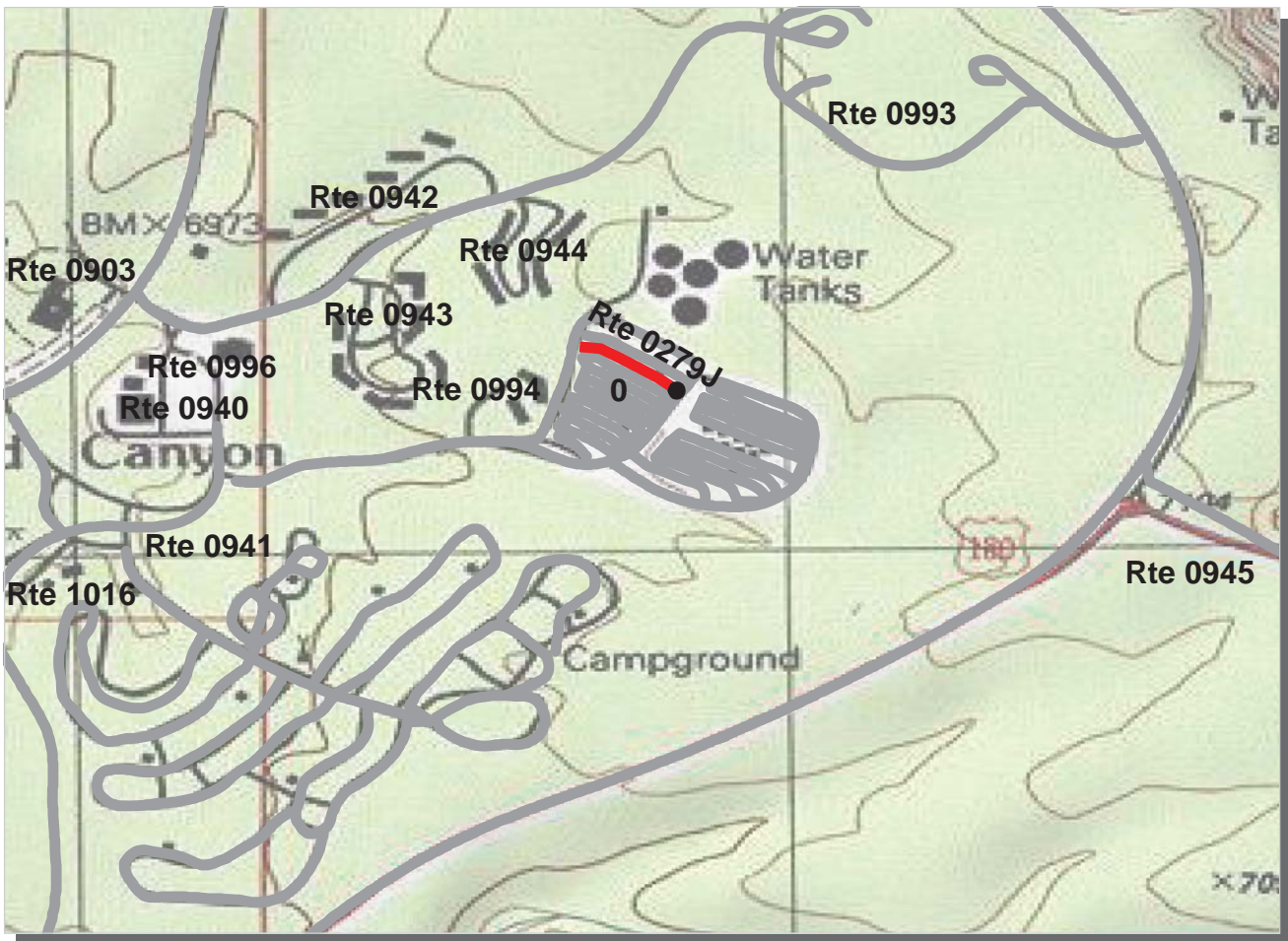
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 02791 Trailer Village Road I **TOTAL LENGTH: 0.11 Miles**

Section Number	0				
Section Length (mi)	0.11				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	17				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	17				
Alligator Cracking Index	67				
Rutting Index	58				
Patching Index	99				
Transverse Cracking Index	86				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 02791 Trailer Village Road I

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



Intermountain Region
GRCA : Grand Canyon National Park

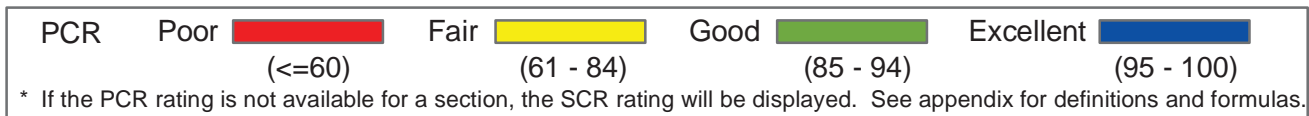
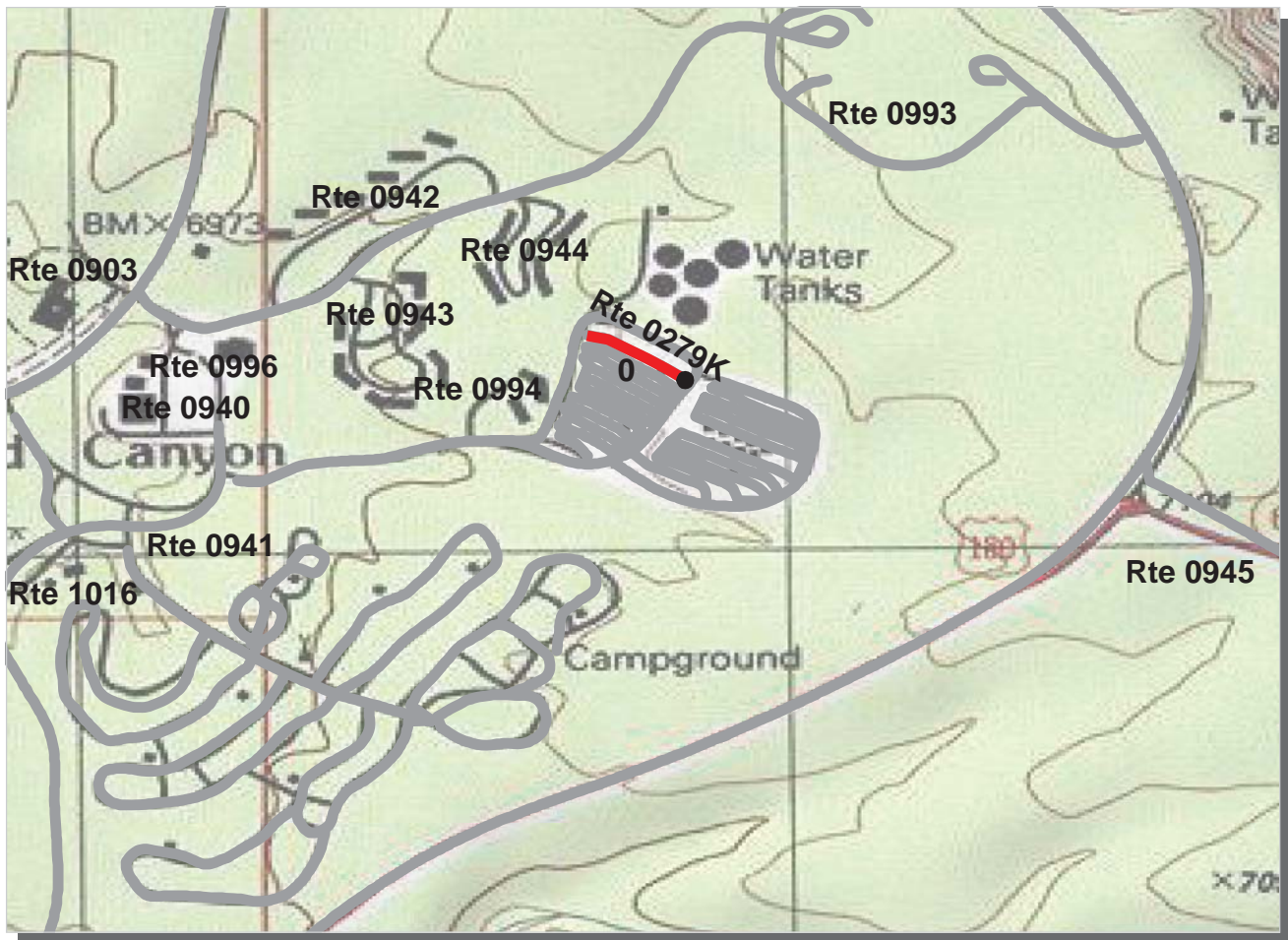
ROUTE: 0279J Trailer Village Road J **TOTAL LENGTH: 0.11 Miles**

Section Number	0			
Section Length (mi)	0.11			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	11			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	15			
Rutting Index	55			
Patching Index	98			
Transverse Cracking Index	93			
Longitudinal Cracking Index	92			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	N/C			

ROUTE: 0279J Trailer Village Road J

* NC designates data not collected NA designates not applicable

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



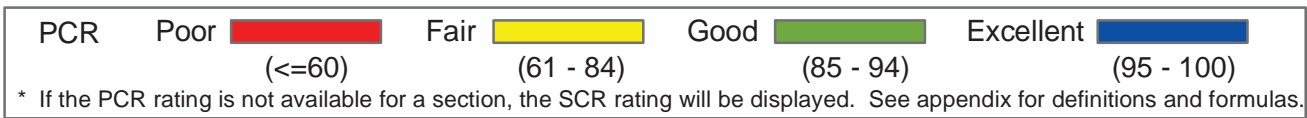
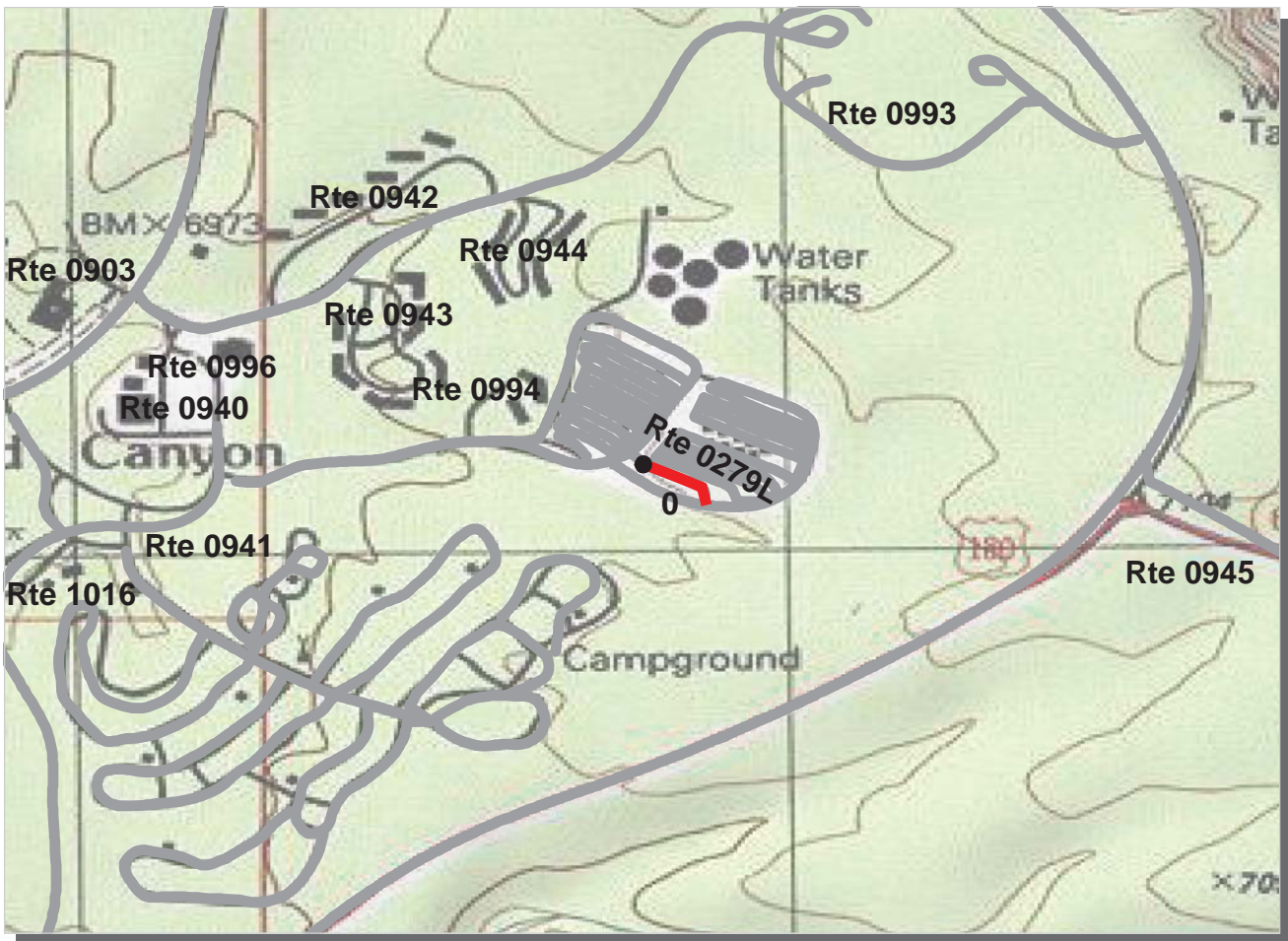
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279K Trailer Village Road K **TOTAL LENGTH: 0.11 Miles**

Section Number	0				
Section Length (mi)	0.11				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	4				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	4				
Alligator Cracking Index	31				
Rutting Index	65				
Patching Index	99				
Transverse Cracking Index	91				
Longitudinal Cracking Index	96				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279K Trailer Village Road K

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



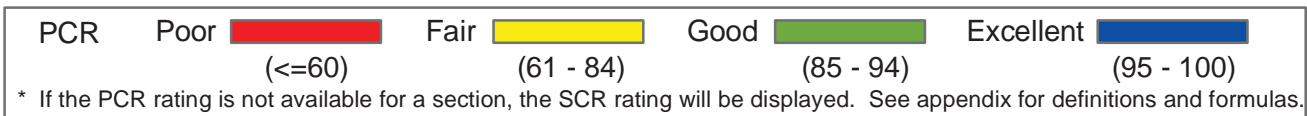
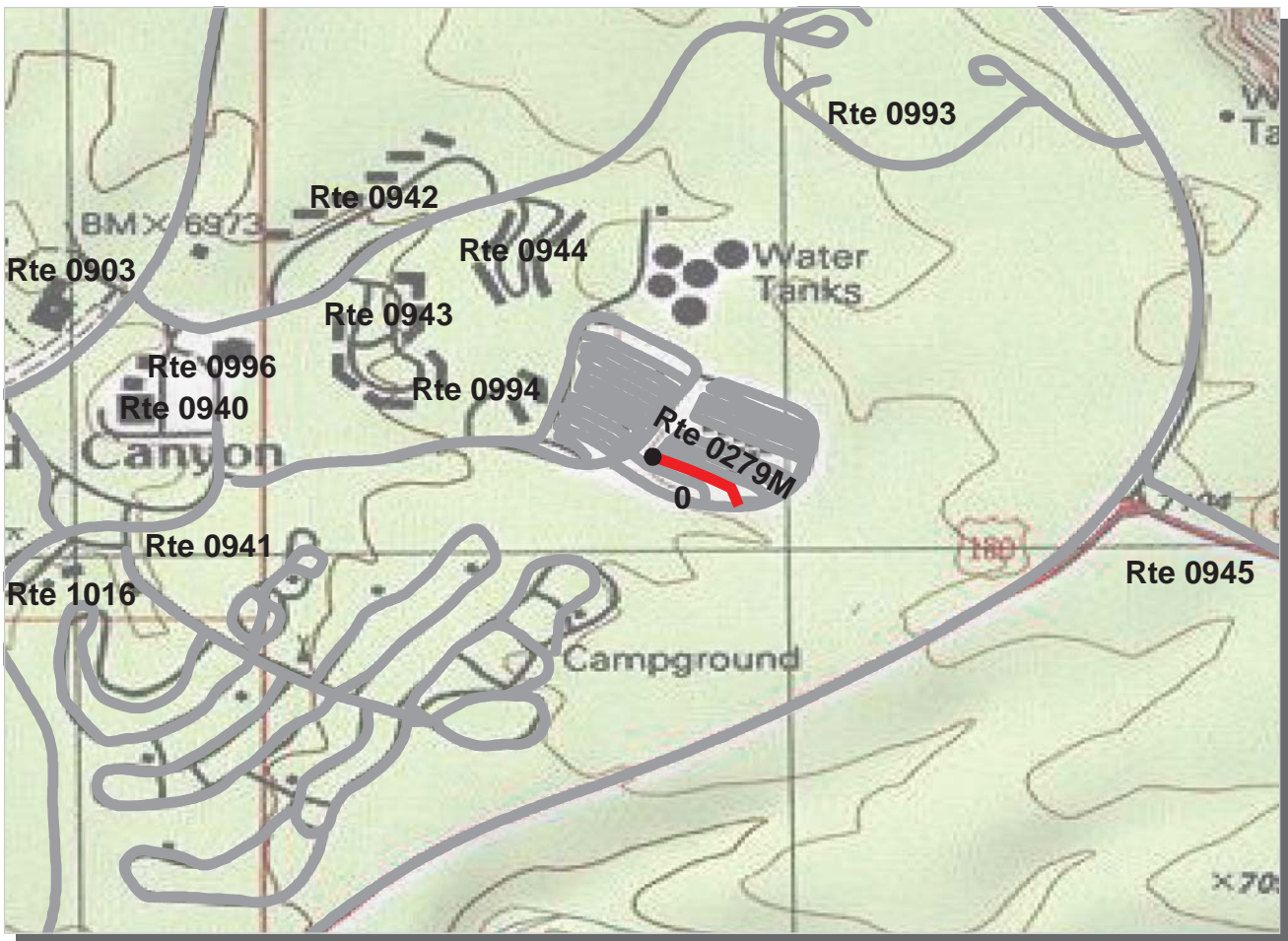
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279L Trailer Village Road L **TOTAL LENGTH: 0.10 Miles**

Section Number	0				
Section Length (mi)	0.10				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	5				
Rutting Index	16				
Patching Index	94				
Transverse Cracking Index	82				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279L Trailer Village Road L

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



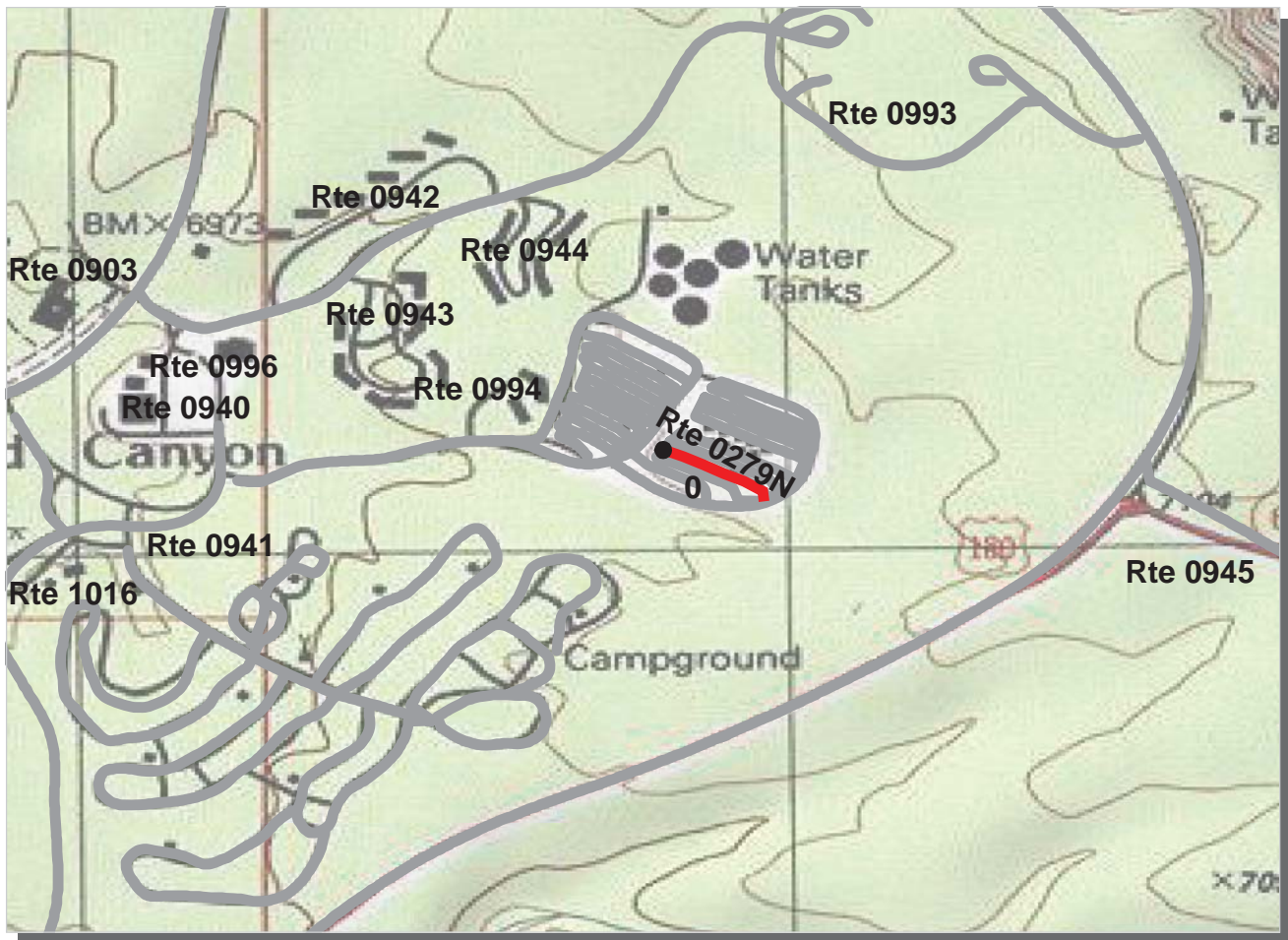
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279M Trailer Village Road M **TOTAL LENGTH: 0.12 Miles**

Section Number	0				
Section Length (mi)	0.12				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	0				
Rutting Index	10				
Patching Index	96				
Transverse Cracking Index	97				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279M Trailer Village Road M

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



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

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

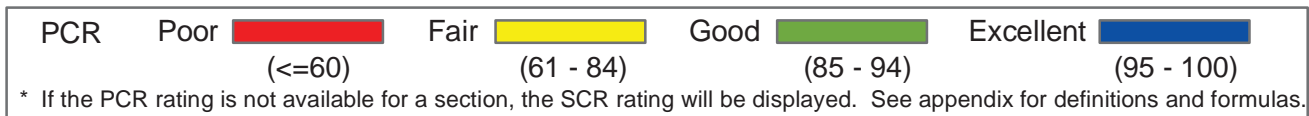
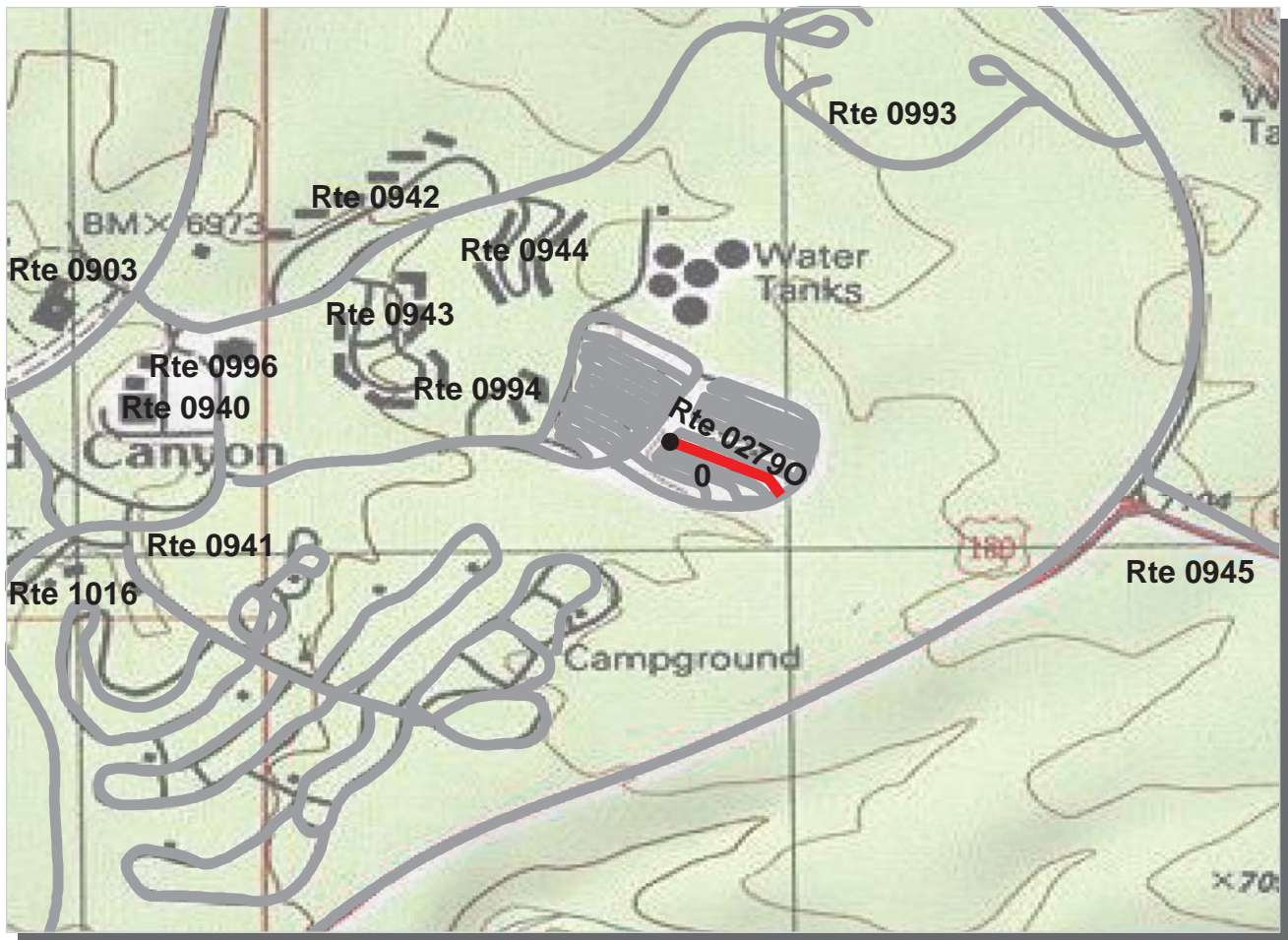
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279N Trailer Village Road N **TOTAL LENGTH: 0.13 Miles**

Section Number	0				
Section Length (mi)	0.13				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	0				
Rutting Index	24				
Patching Index	98				
Transverse Cracking Index	97				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279N Trailer Village Road N

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



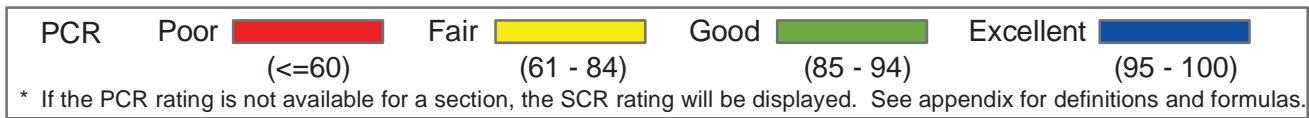
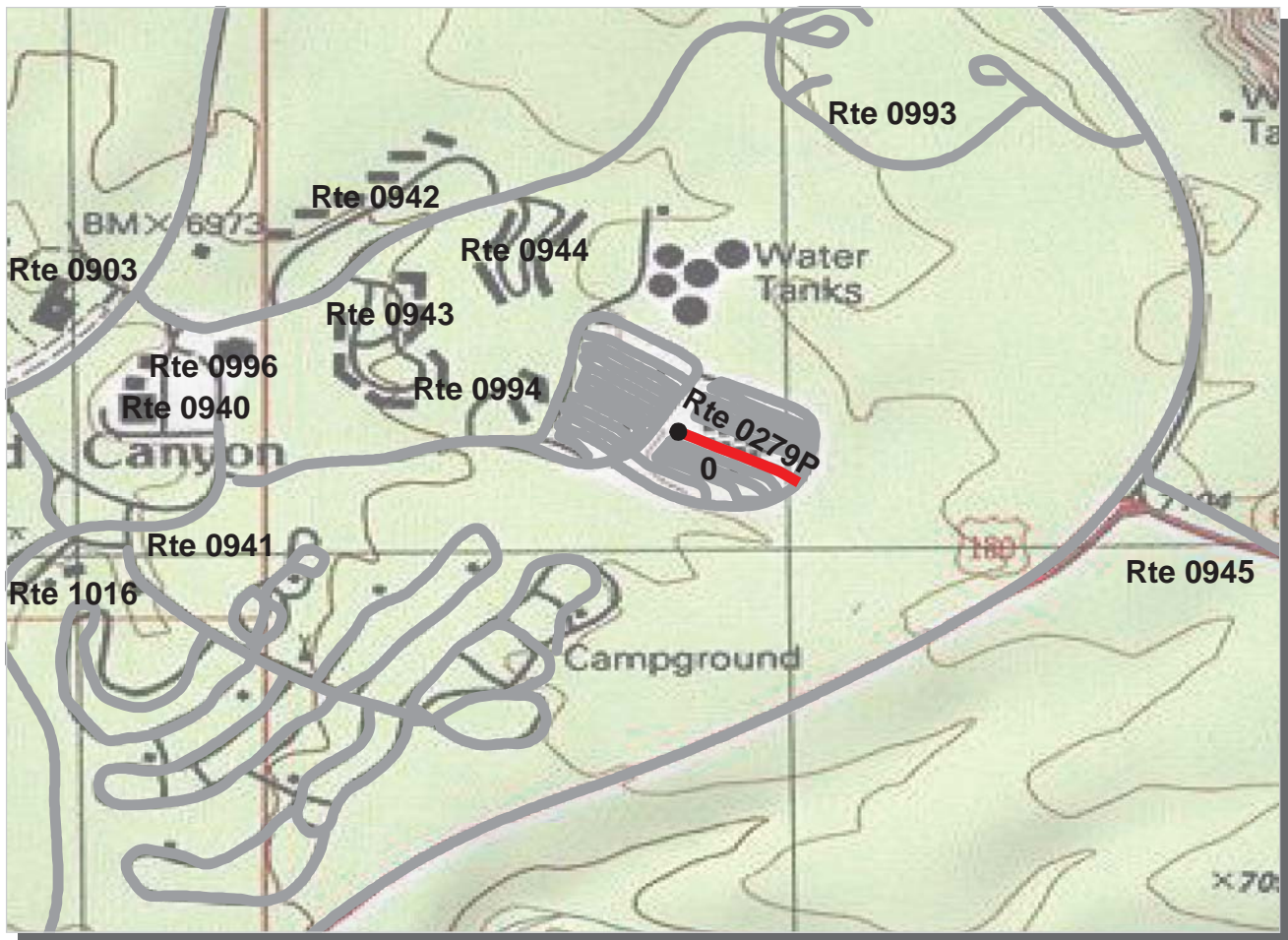
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 02790 Trailer Village Road O **TOTAL LENGTH: 0.14 Miles**

Section Number	0				
Section Length (mi)	0.14				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	20				
Rutting Index	20				
Patching Index	93				
Transverse Cracking Index	94				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 02790 Trailer Village Road O

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



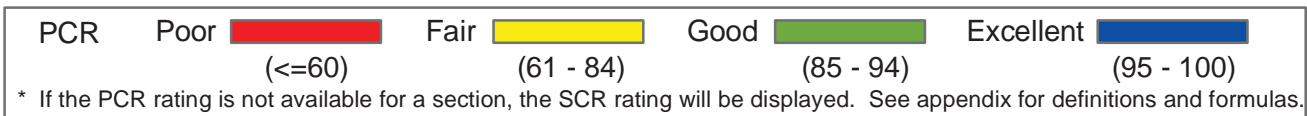
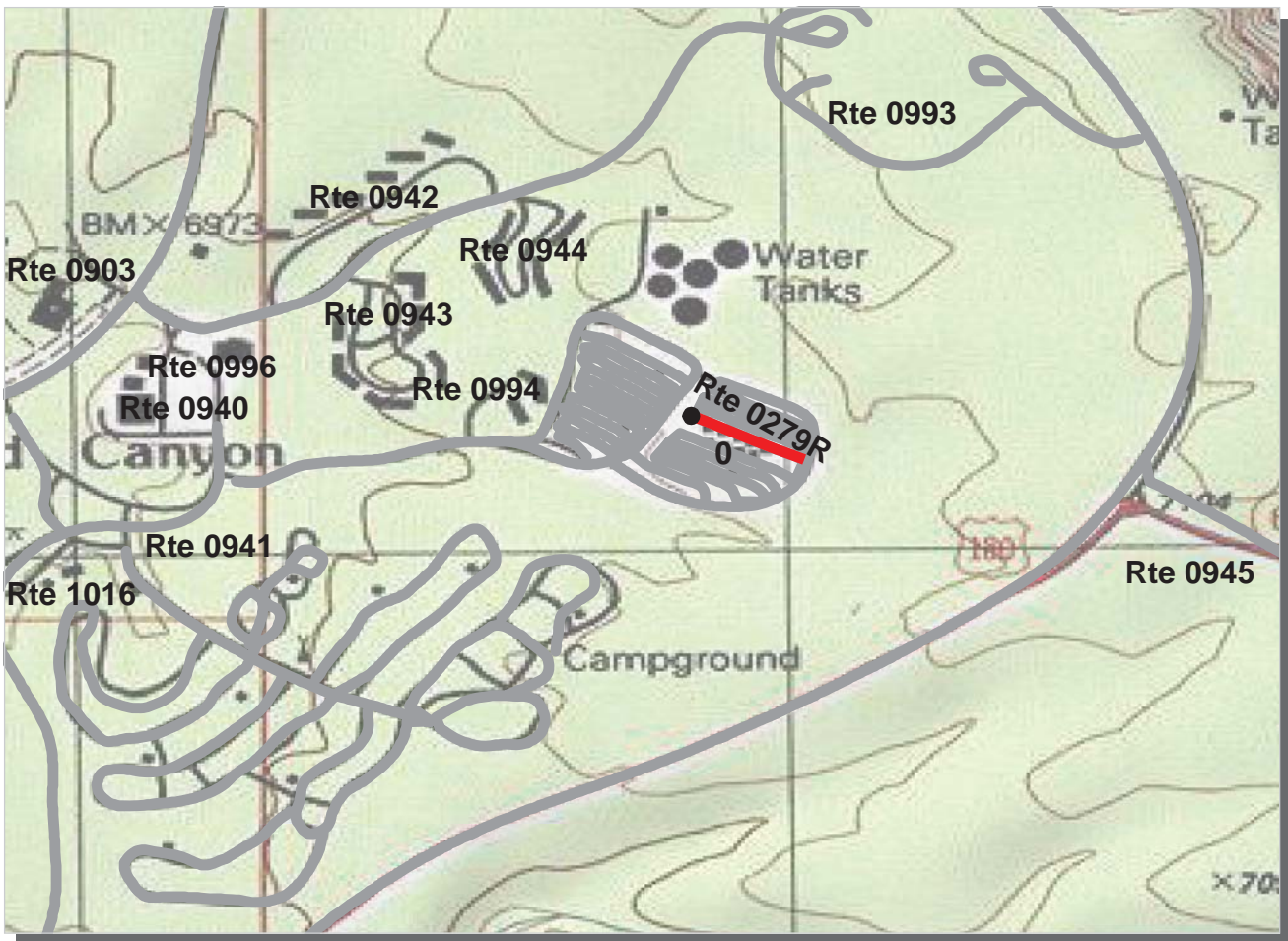
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279P Trailer Village Road P **TOTAL LENGTH: 0.14 Miles**

Section Number	0			
Section Length (mi)	0.14			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	12			
Lane Width (ft)	12			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	21			
Rutting Index	17			
Patching Index	93			
Transverse Cracking Index	94			
Longitudinal Cracking Index	95			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	N/C			

ROUTE: 0279P Trailer Village Road P

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



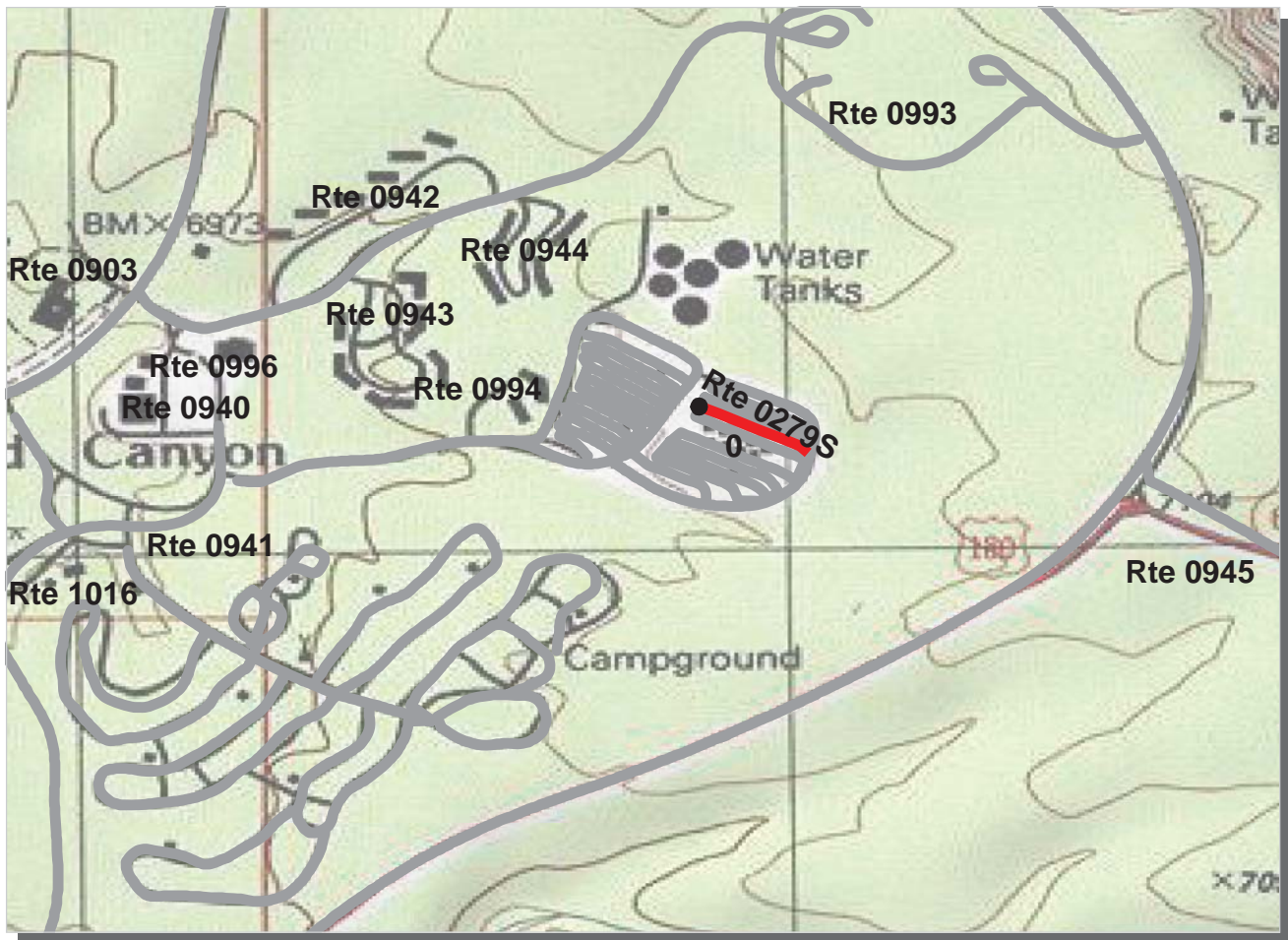
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279R Trailer Village Road R **TOTAL LENGTH: 0.13 Miles**

Section Number	0				
Section Length (mi)	0.13				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	16				
Rutting Index	30				
Patching Index	97				
Transverse Cracking Index	90				
Longitudinal Cracking Index	92				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279R Trailer Village Road R

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



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

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

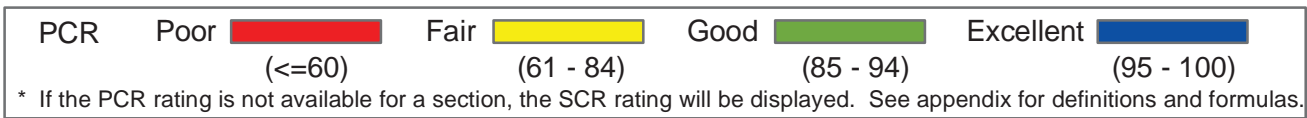
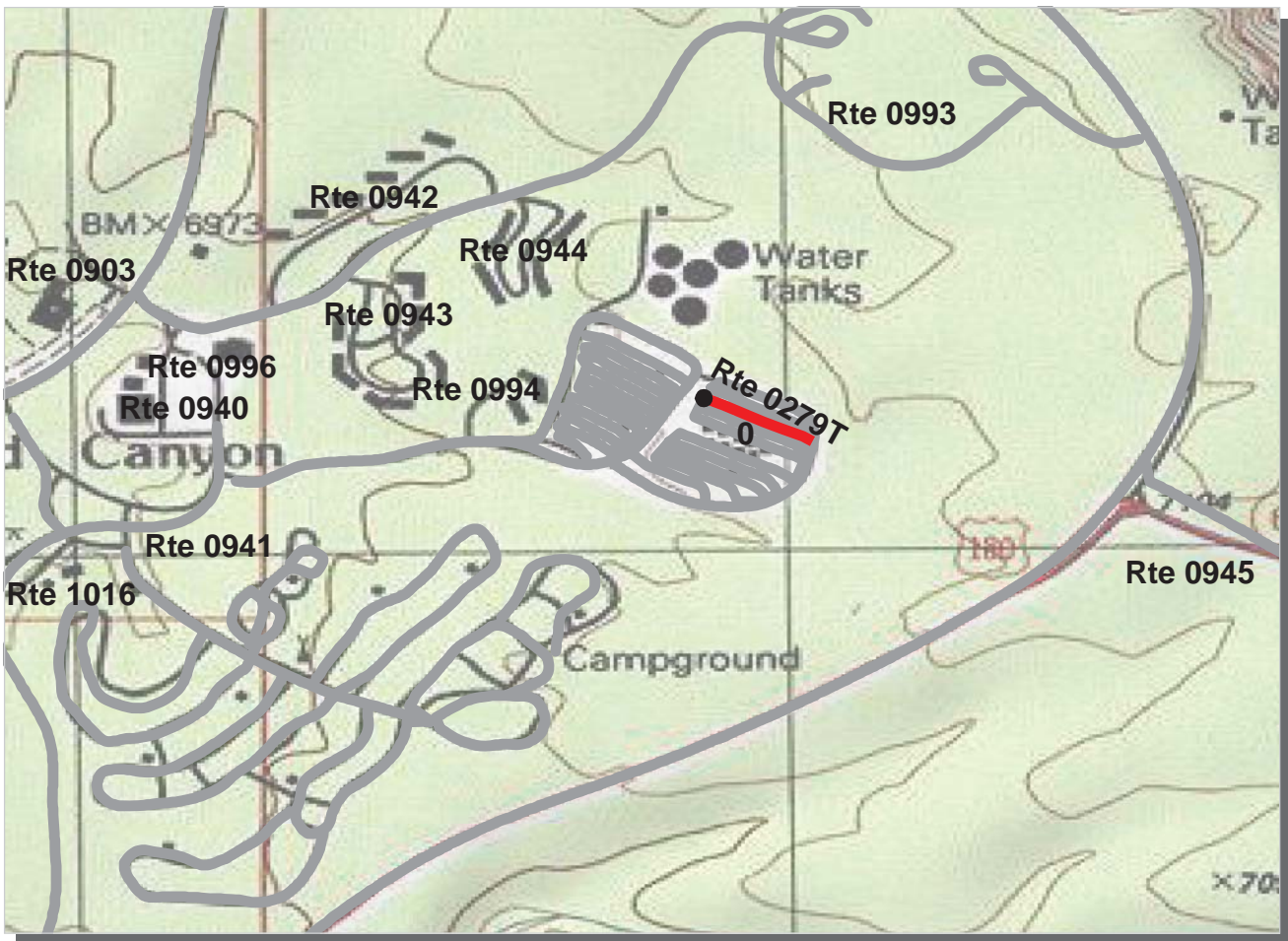
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279S Trailer Village Road S **TOTAL LENGTH: 0.13 Miles**

Section Number	0				
Section Length (mi)	0.13				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	4				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	4				
Alligator Cracking Index	33				
Rutting Index	26				
Patching Index	91				
Transverse Cracking Index	94				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279S Trailer Village Road S

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



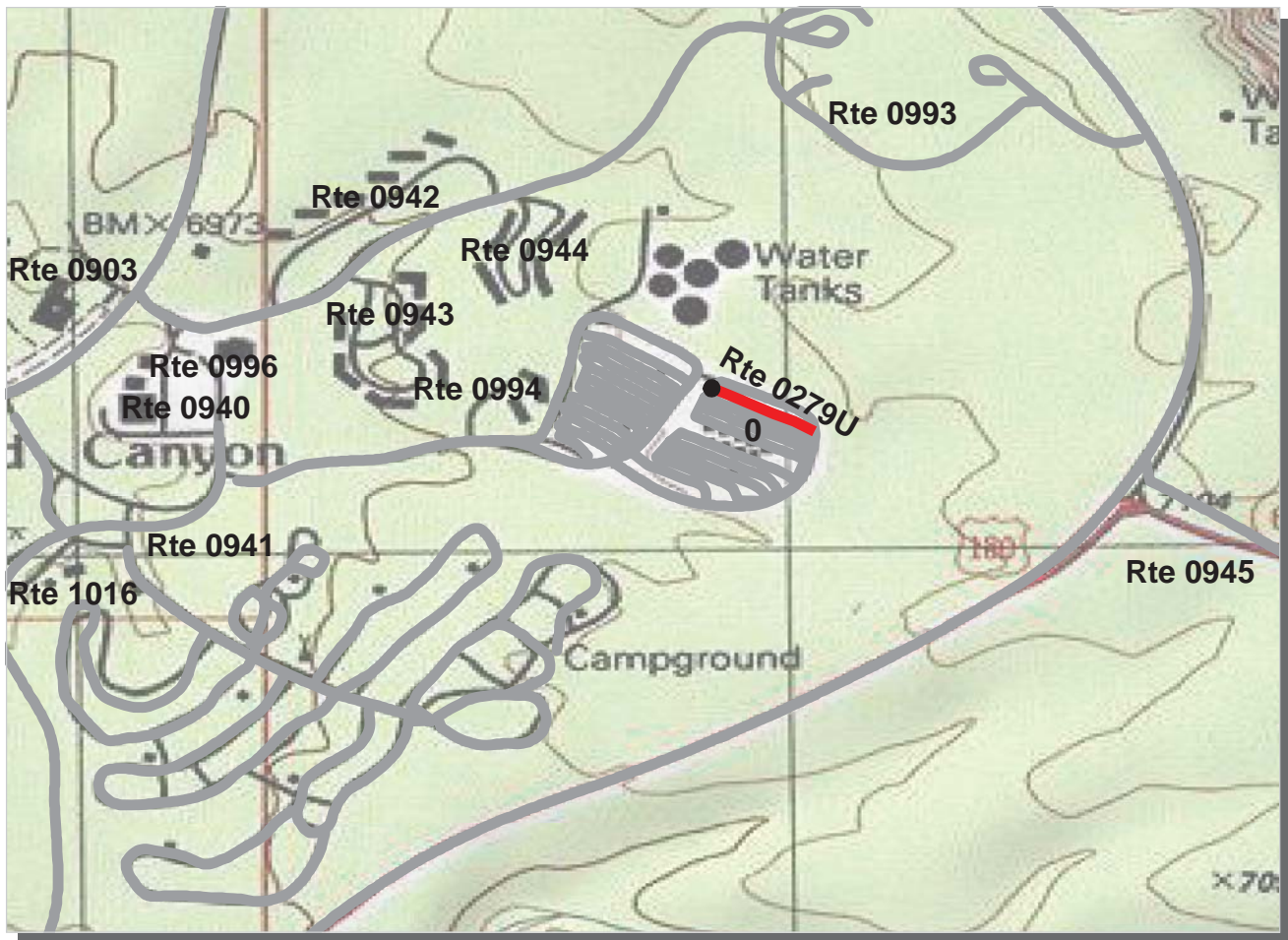
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279T Trailer Village Road T **TOTAL LENGTH: 0.13 Miles**

Section Number	0				
Section Length (mi)	0.13				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	3				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	3				
Alligator Cracking Index	38				
Rutting Index	36				
Patching Index	97				
Transverse Cracking Index	94				
Longitudinal Cracking Index	91				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279T Trailer Village Road T

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



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

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

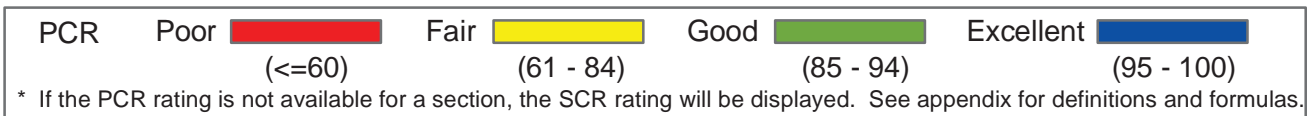
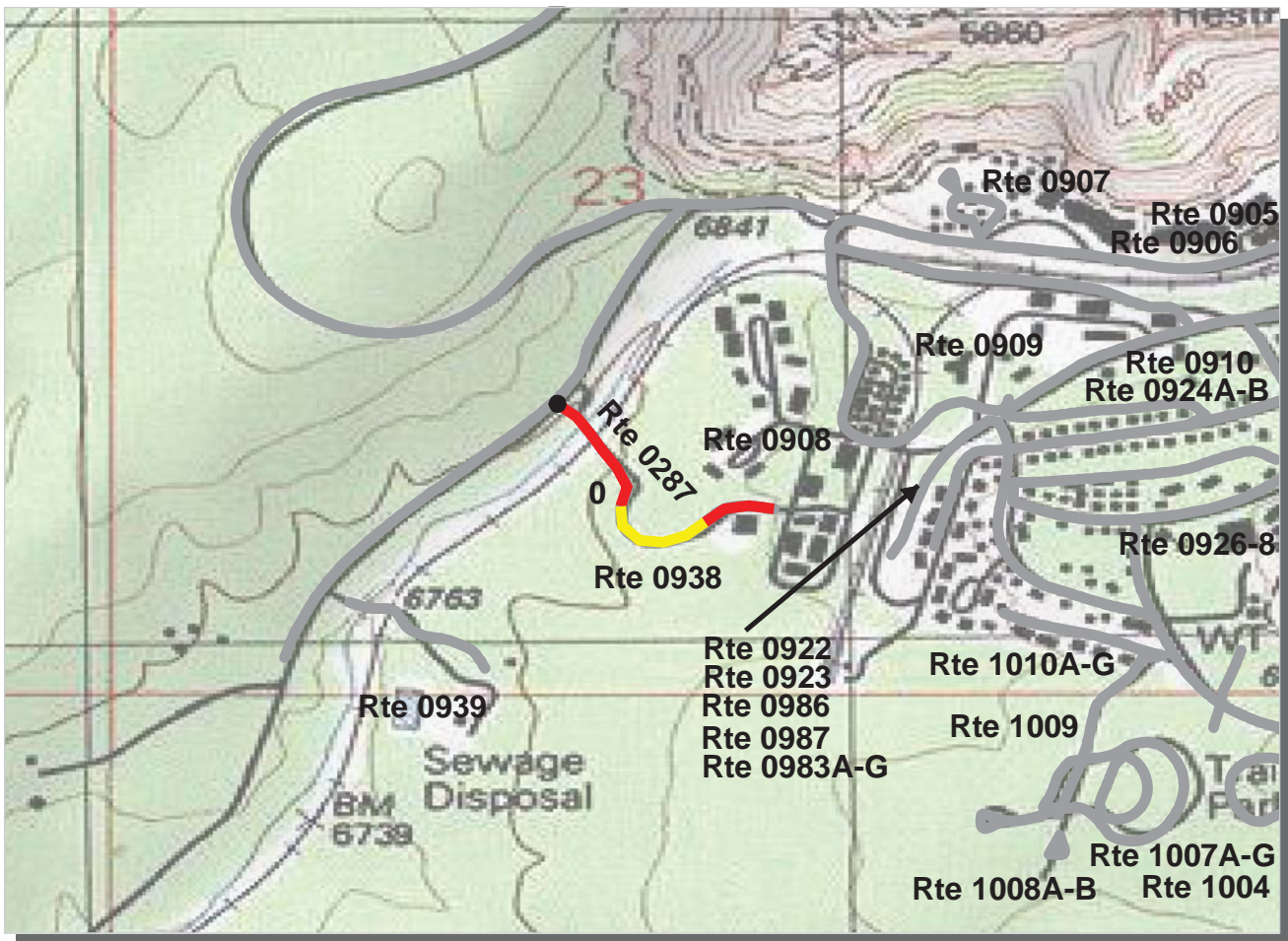
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0279U Trailer Village Road U **TOTAL LENGTH: 0.12 Miles**

Section Number	0				
Section Length (mi)	0.12				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	9				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	36				
Rutting Index	9				
Patching Index	92				
Transverse Cracking Index	88				
Longitudinal Cracking Index	92				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

ROUTE: 0279U Trailer Village Road U

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



Intermountain Region

GRCA : Grand Canyon National Park

ROUTE: 0287 Route 0160 Access Road

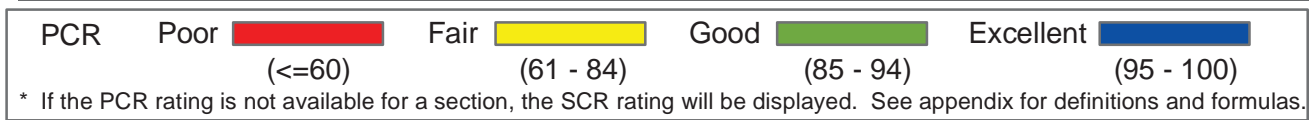
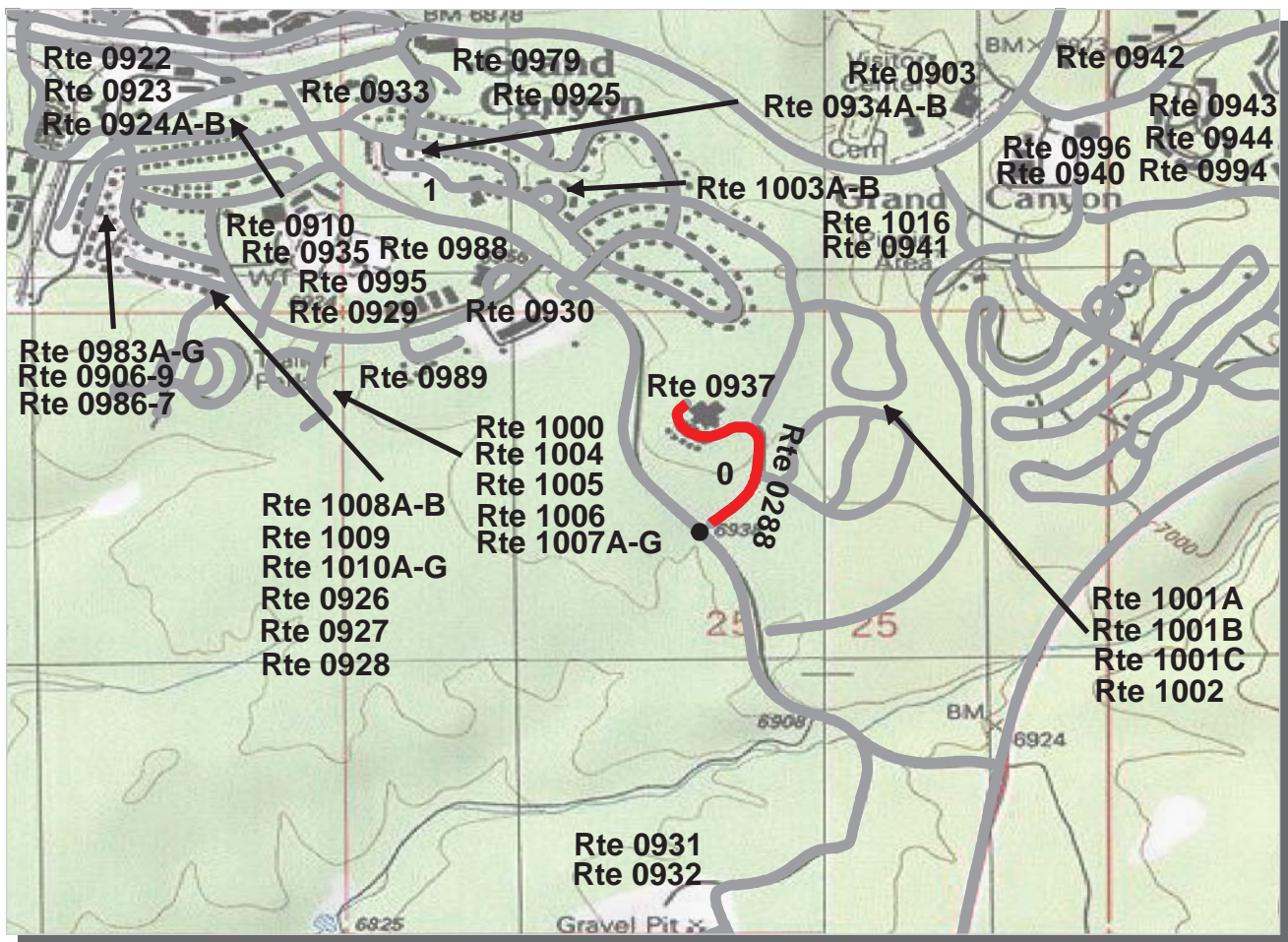
TOTAL LENGTH: 0.29 Miles

Section Number	0			
Section Length (mi)	0.29			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	21			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	45			
RCI (Roughness Condition Index)	44			
SCR (Surface Condition Rating)	50			
Alligator Cracking Index	62			
Rutting Index	82			
Patching Index	99			
Transverse Cracking Index	96			
Longitudinal Cracking Index	99			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0287 Route 0160 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>



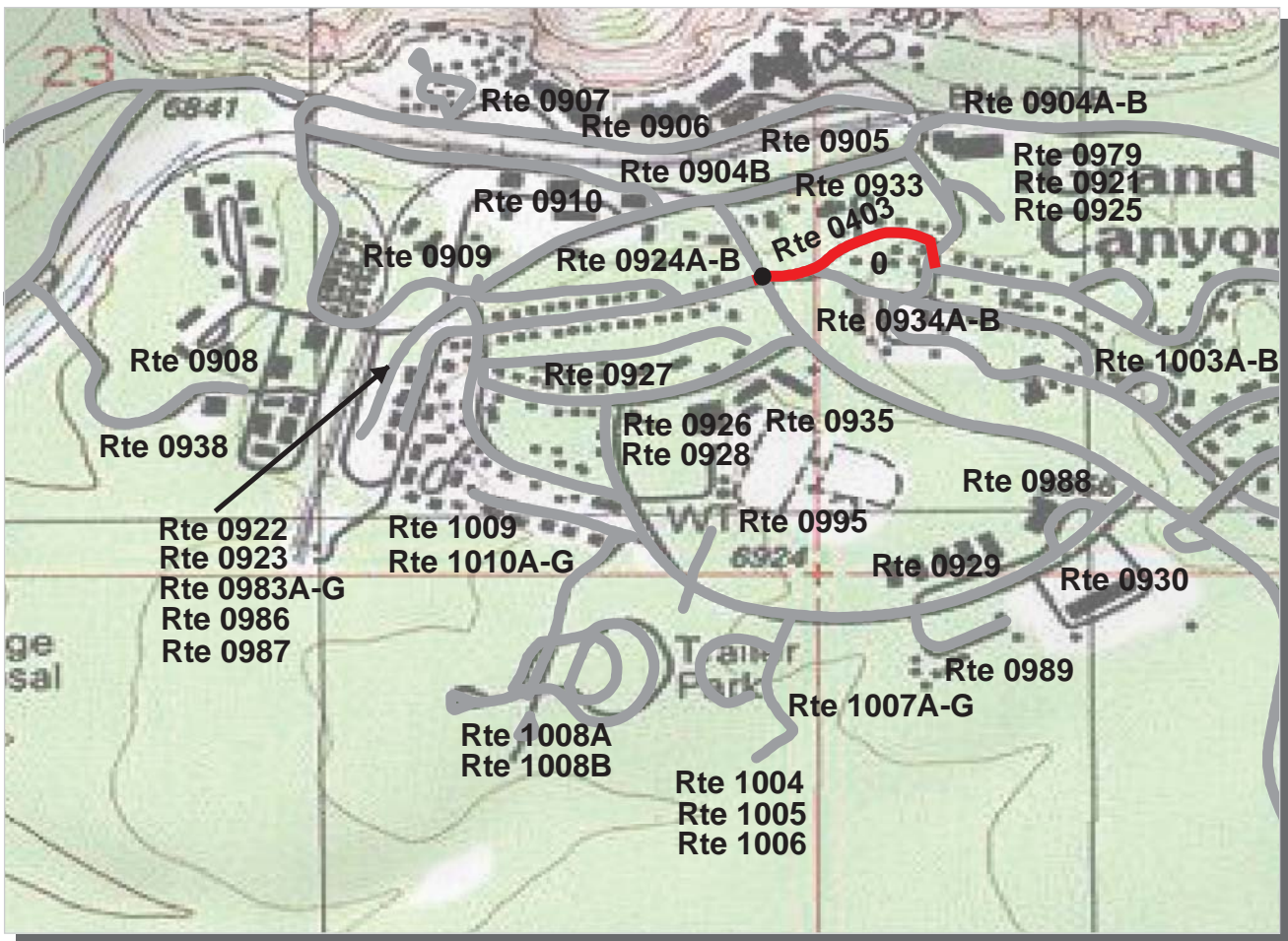
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0288 Clinic Access Road **TOTAL LENGTH: 0.35 Miles**

Section Number	0			
Section Length (mi)	0.35			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	20			
Lane Width (ft)	10			
Shoulder Width (ft)	3			
Roadway Condition Information				
PCR (Pavement Condition Rating)	19			
RCI (Roughness Condition Index)	54			
SCR (Surface Condition Rating)	15			
Alligator Cracking Index	33			
Rutting Index	62			
Patching Index	98			
Transverse Cracking Index	82			
Longitudinal Cracking Index	93			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

ROUTE: 0288 Clinic Access Road

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



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

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

Intermountain Region

GRCA : Grand Canyon National Park

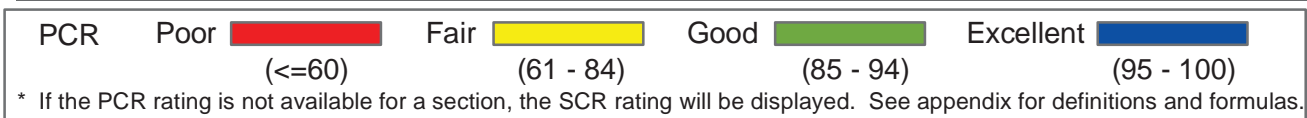
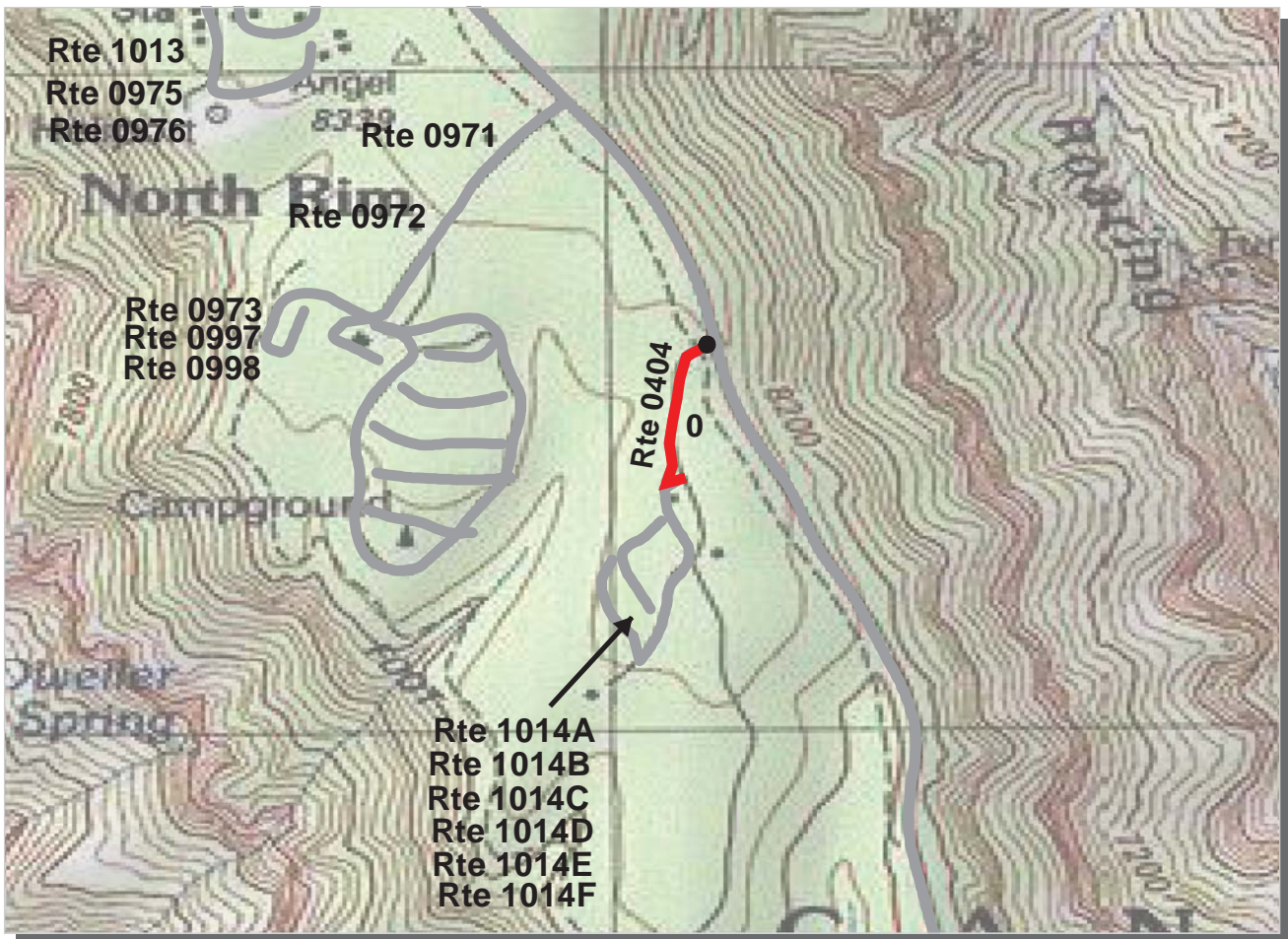
ROUTE: 0403 Tonto Street

TOTAL LENGTH: 0.16 Miles

Section Number	0			
Section Length (mi)	0.16			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	19			
Lane Width (ft)	10			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	34			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	34			
Alligator Cracking Index	93			
Rutting Index	51			
Patching Index	98			
Transverse Cracking Index	93			
Longitudinal Cracking Index	97			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0403 Tonto Street

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



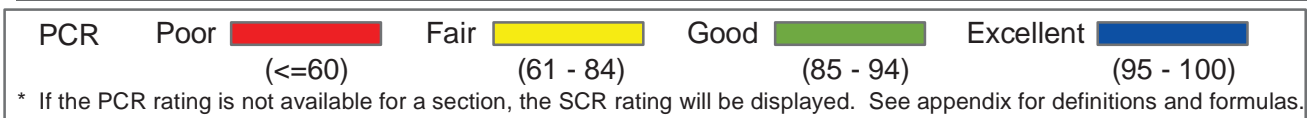
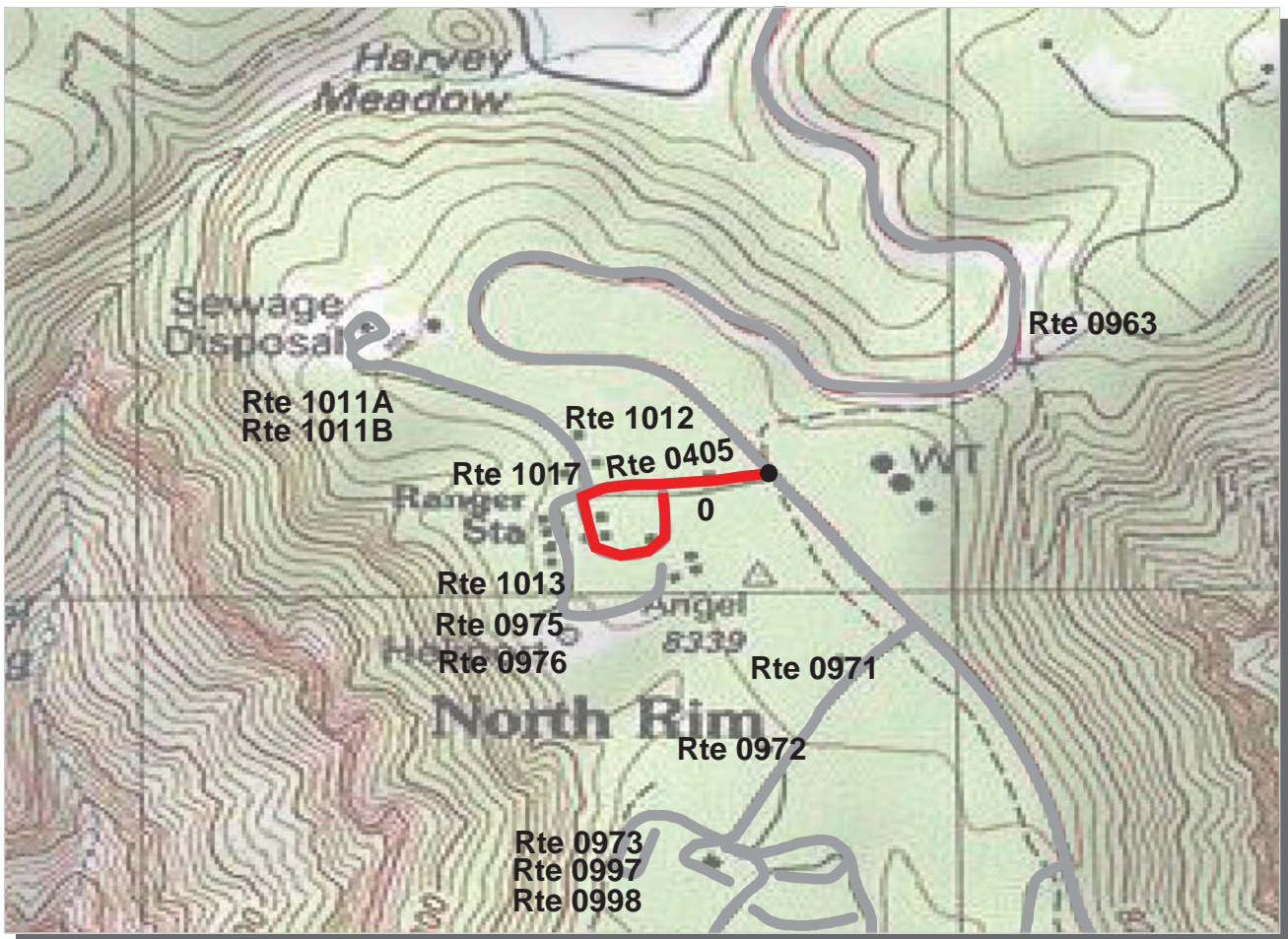
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0404 Auto Shop Road **TOTAL LENGTH: 0.18 Miles**

Section Number	0			
Section Length (mi)	0.18			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	16			
Lane Width (ft)	9			
Shoulder Width (ft)	3			
Roadway Condition Information				
PCR (Pavement Condition Rating)	18			
RCI (Roughness Condition Index)	59			
SCR (Surface Condition Rating)	16			
Alligator Cracking Index	98			
Rutting Index	29			
Patching Index	97			
Transverse Cracking Index	93			
Longitudinal Cracking Index	96			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

ROUTE: 0404 Auto Shop Road

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



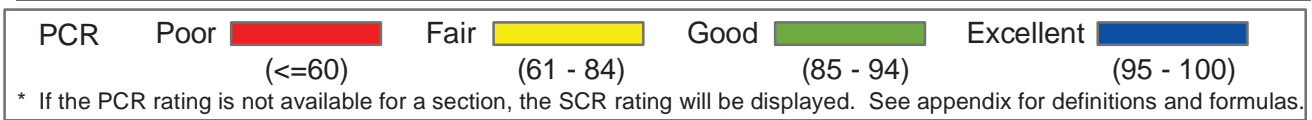
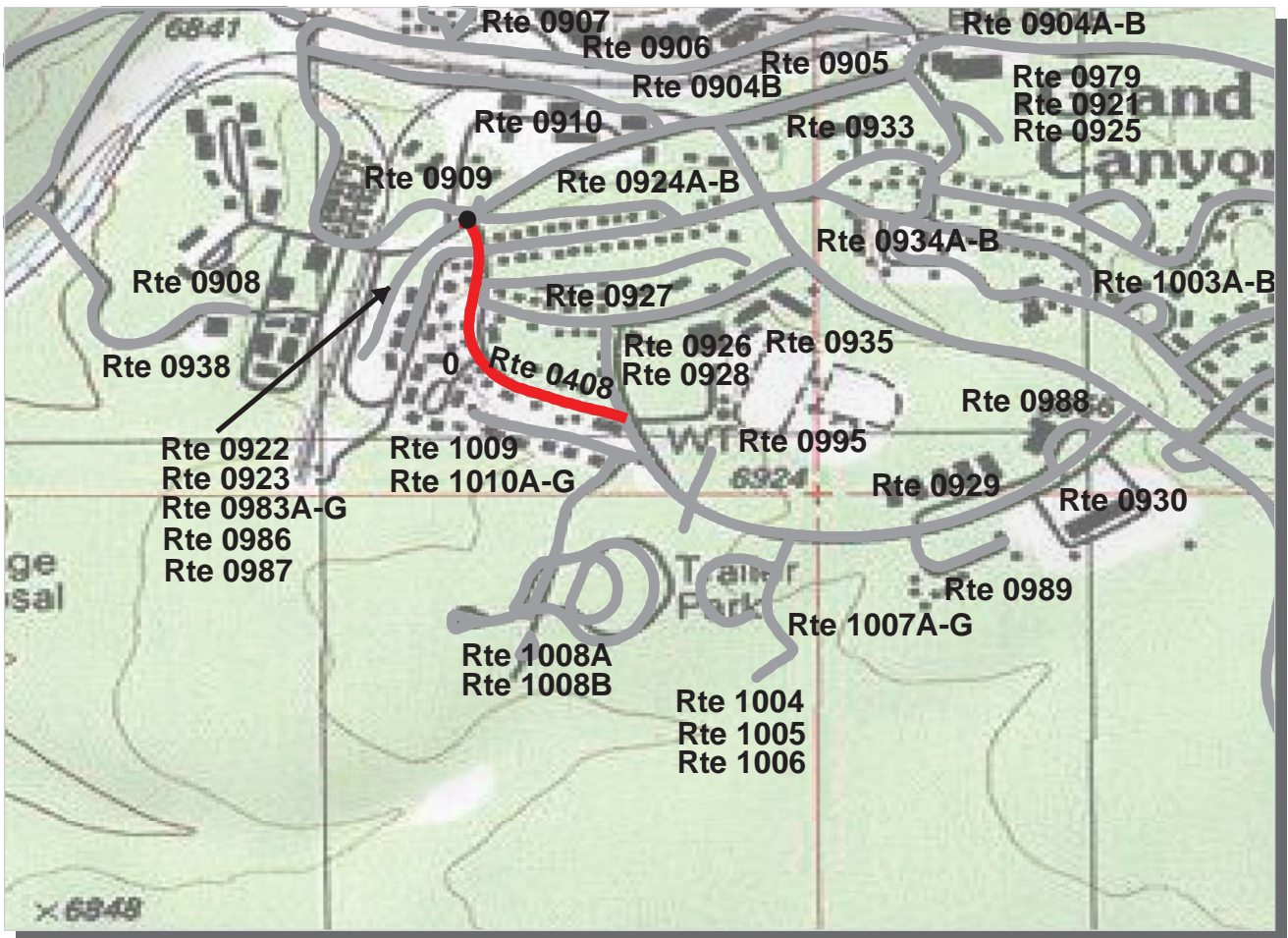
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0405 Admin Loop **TOTAL LENGTH: 0.29 Miles**

Section Number	0				
Section Length (mi)	0.29				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	20				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	20				
Alligator Cracking Index	85				
Rutting Index	31				
Patching Index	97				
Transverse Cracking Index	94				
Longitudinal Cracking Index	95				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0405 Admin Loop

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



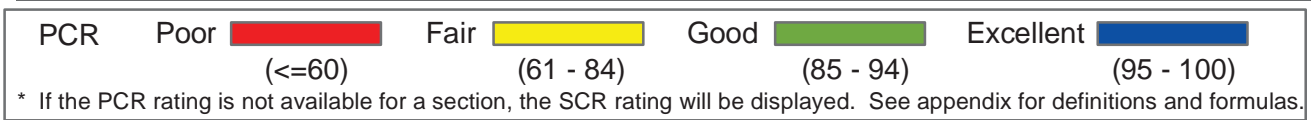
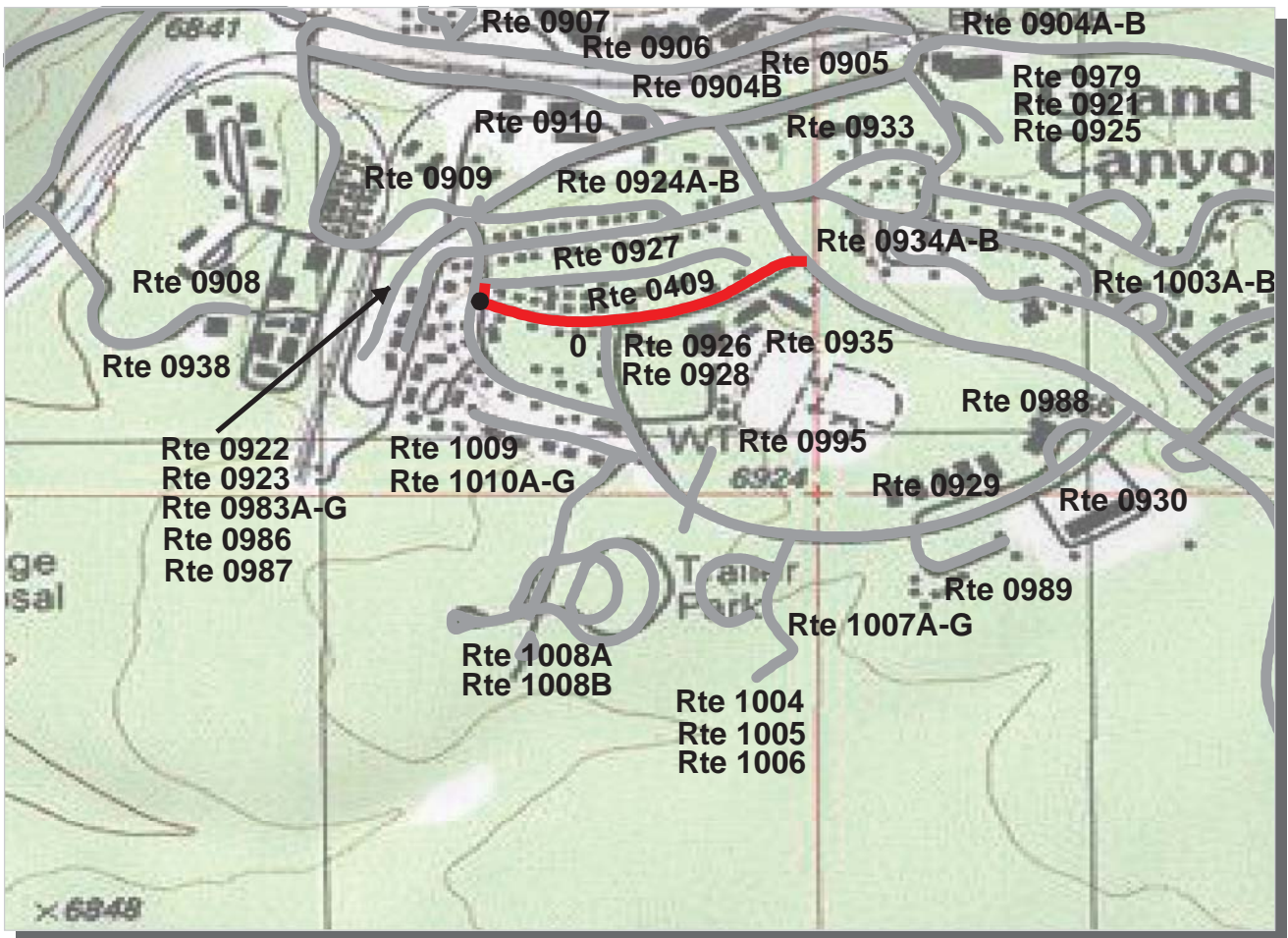
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0408 Coconino Road **TOTAL LENGTH: 0.29 Miles**

Section Number	0			
Section Length (mi)	0.29			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	21			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	9			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	9			
Alligator Cracking Index	38			
Rutting Index	34			
Patching Index	83			
Transverse Cracking Index	76			
Longitudinal Cracking Index	93			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0408 Coconino Road

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



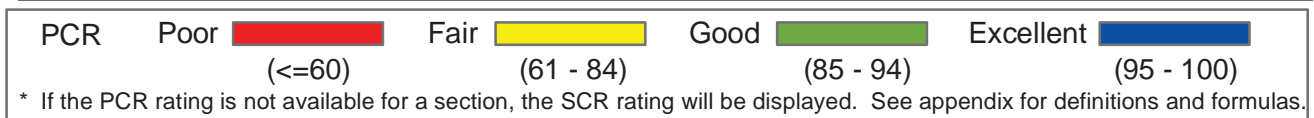
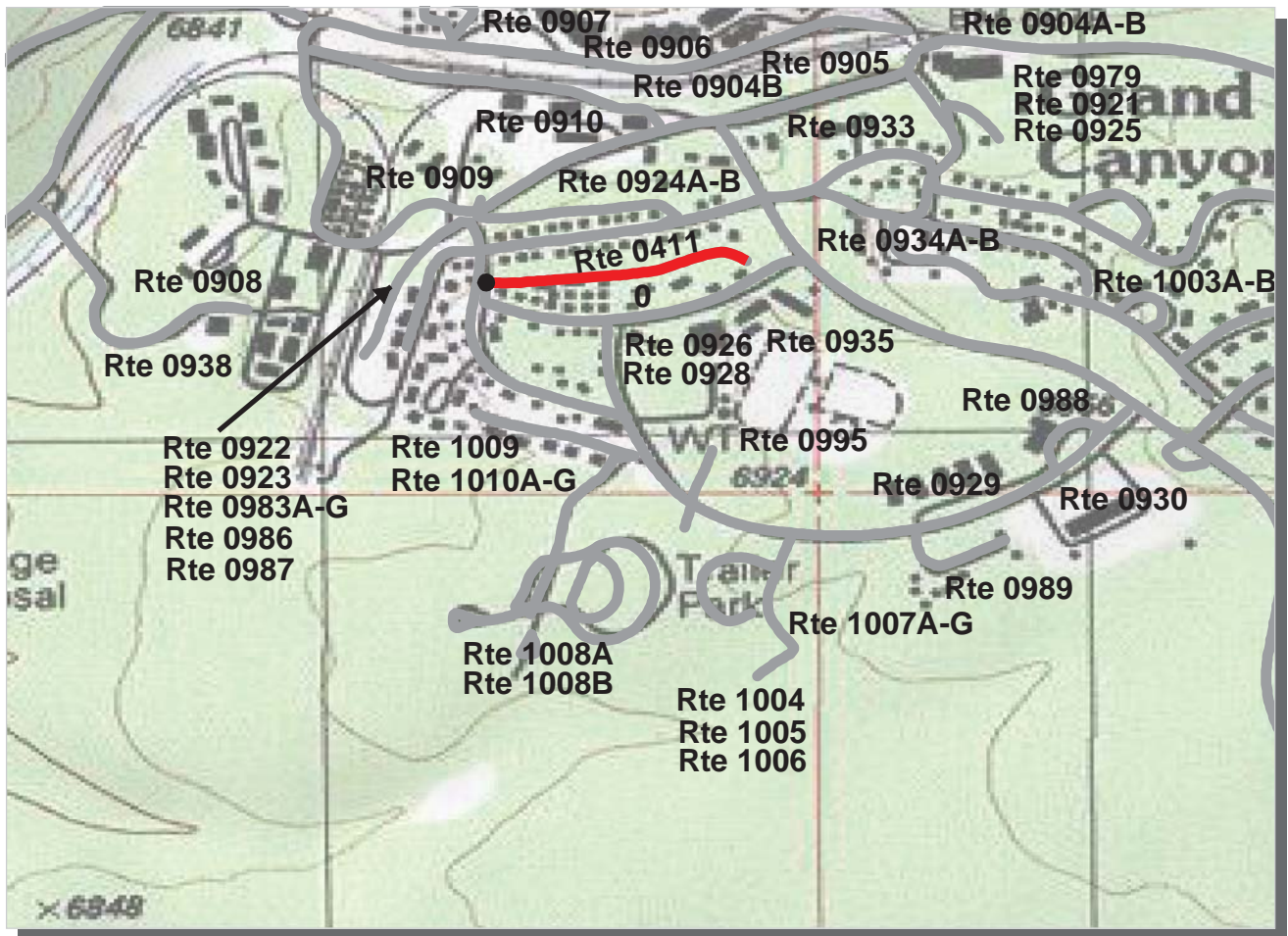
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0409 Boulder Street **TOTAL LENGTH: 0.29 Miles**

Section Number	0			
Section Length (mi)	0.29			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	21			
Lane Width (ft)	10			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	18			
RCI (Roughness Condition Index)	26			
SCR (Surface Condition Rating)	15			
Alligator Cracking Index	58			
Rutting Index	65			
Patching Index	96			
Transverse Cracking Index	80			
Longitudinal Cracking Index	89			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0409 Boulder Street

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



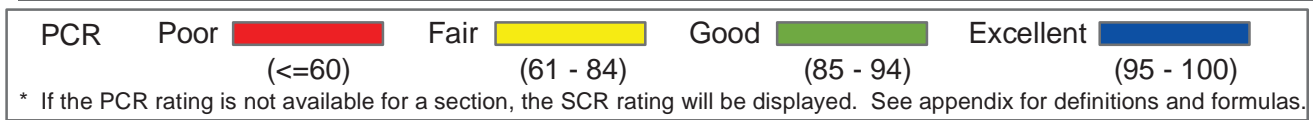
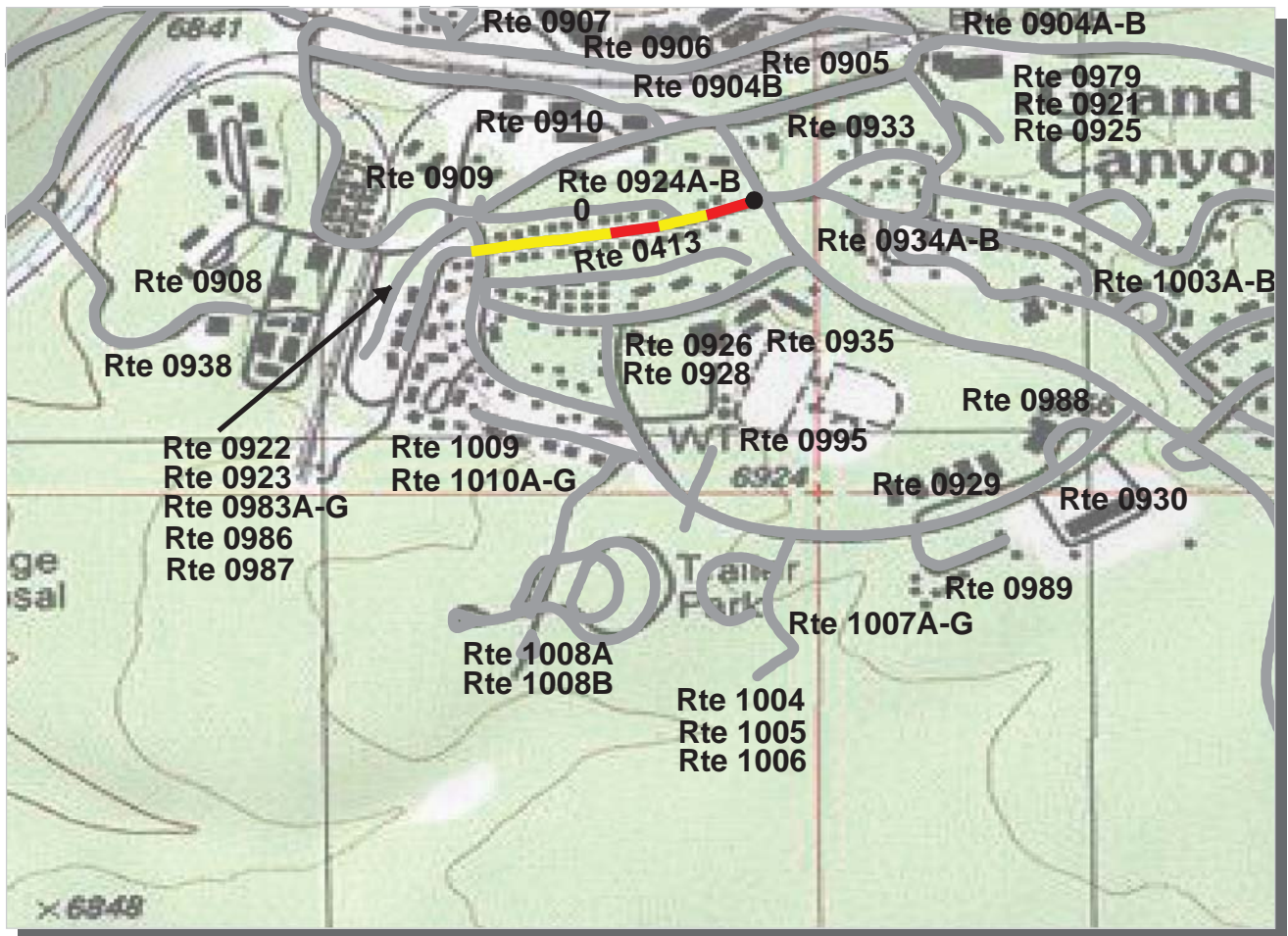
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0411 Boulder Alley **TOTAL LENGTH: 0.24 Miles**

Section Number	0				
Section Length (mi)	0.24				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	14				
Lane Width (ft)	14				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	21				
RCI (Roughness Condition Index)	29				
SCR (Surface Condition Rating)	21				
Alligator Cracking Index	64				
Rutting Index	37				
Patching Index	99				
Transverse Cracking Index	98				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0411 Boulder Alley

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



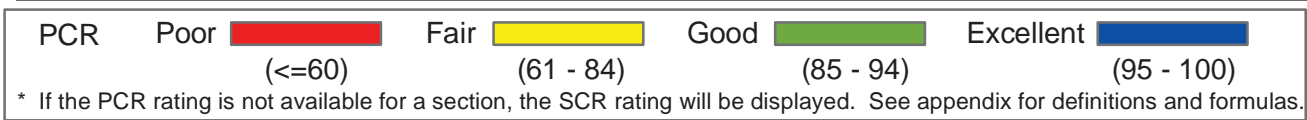
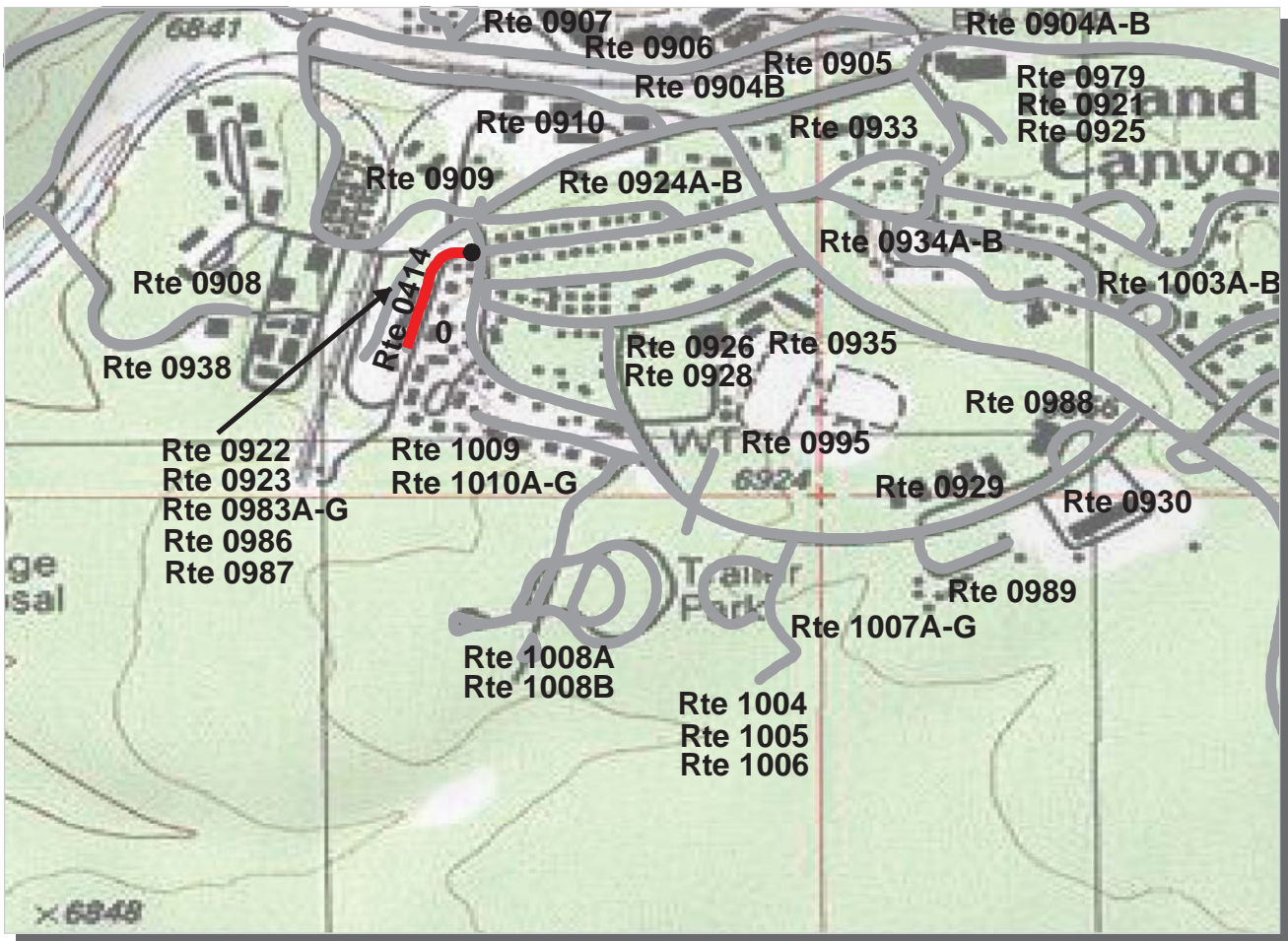
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0413 Apache Street **TOTAL LENGTH: 0.23 Miles**

Section Number	0			
Section Length (mi)	0.23			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	23			
Lane Width (ft)	23			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	66			
RCI (Roughness Condition Index)	69			
SCR (Surface Condition Rating)	67			
Alligator Cracking Index	100			
Rutting Index	69			
Patching Index	100			
Transverse Cracking Index	98			
Longitudinal Cracking Index	99			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0413 Apache Street

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



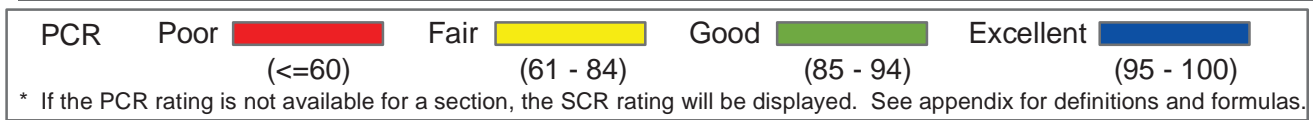
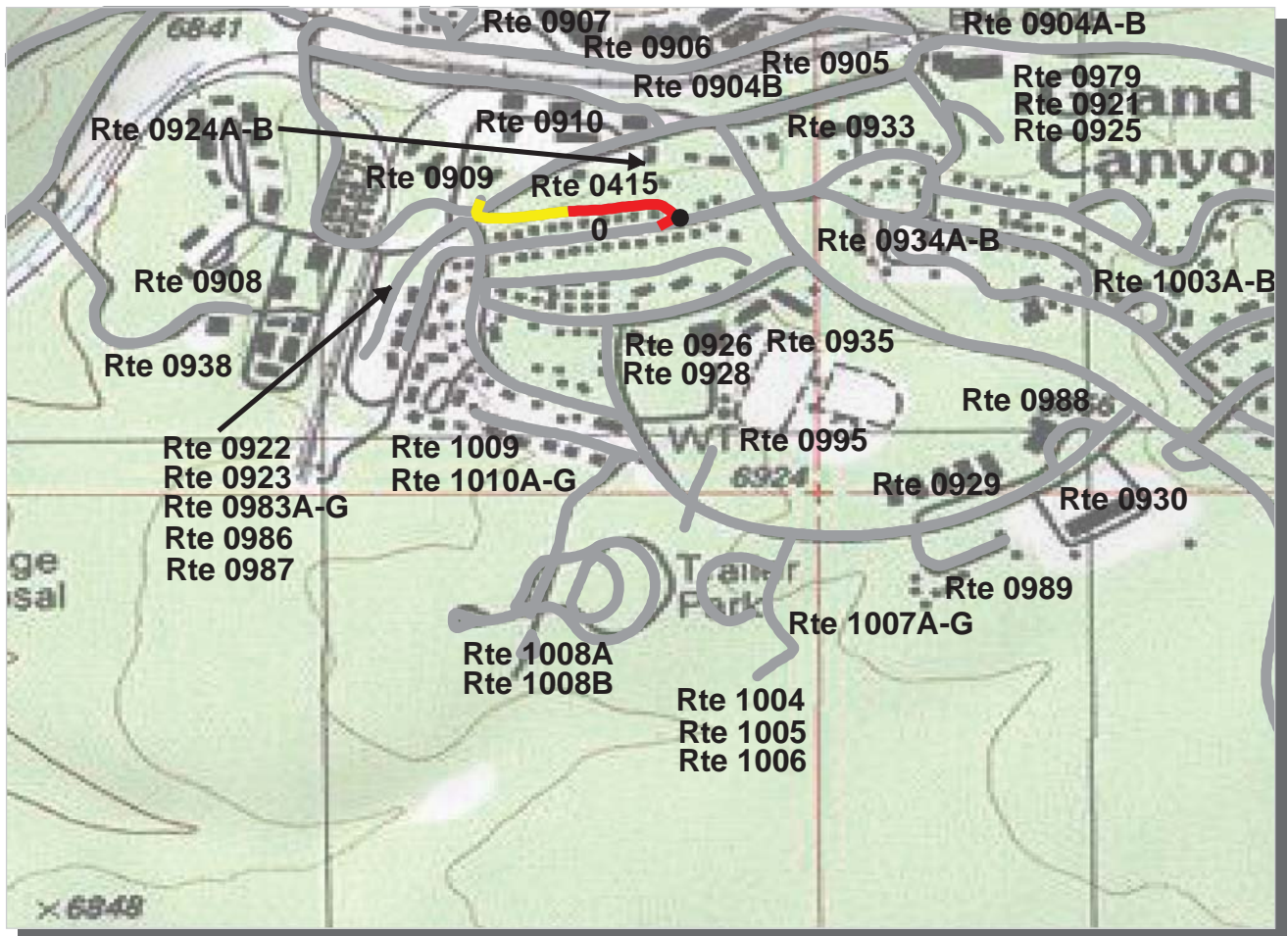
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0414 Apache West **TOTAL LENGTH: 0.14 Miles**

Section Number	0			
Section Length (mi)	0.14			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	22			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	0			
Rutting Index	36			
Patching Index	98			
Transverse Cracking Index	93			
Longitudinal Cracking Index	94			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0414 Apache West

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



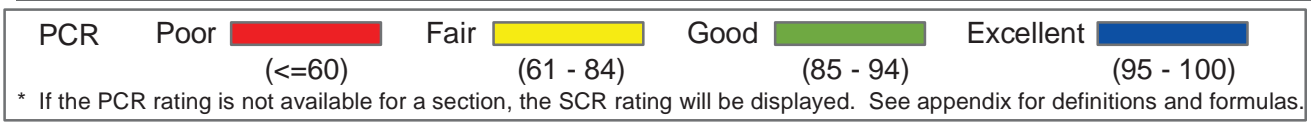
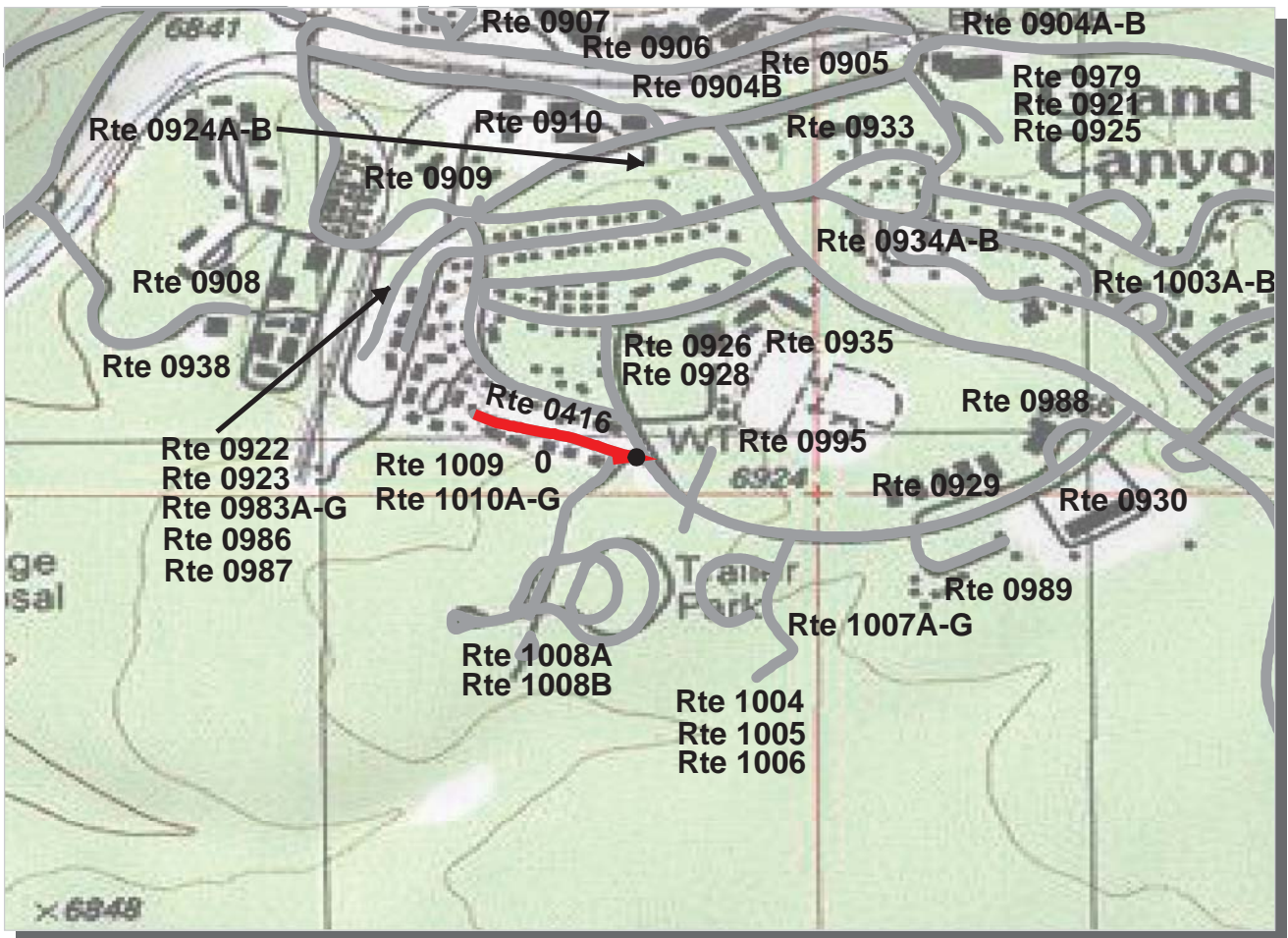
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0415 Apache Alley **TOTAL LENGTH: 0.17 Miles**

Section Number	0			
Section Length (mi)	0.17			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	11			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	57			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	57			
Alligator Cracking Index	100			
Rutting Index	57			
Patching Index	100			
Transverse Cracking Index	100			
Longitudinal Cracking Index	99			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0415 Apache Alley

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



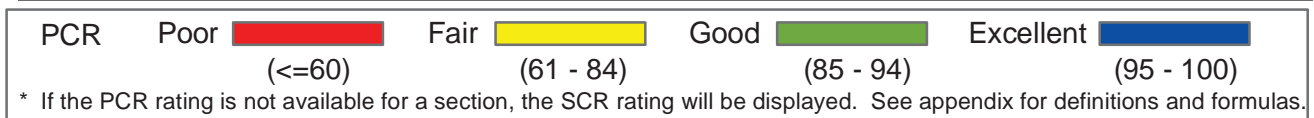
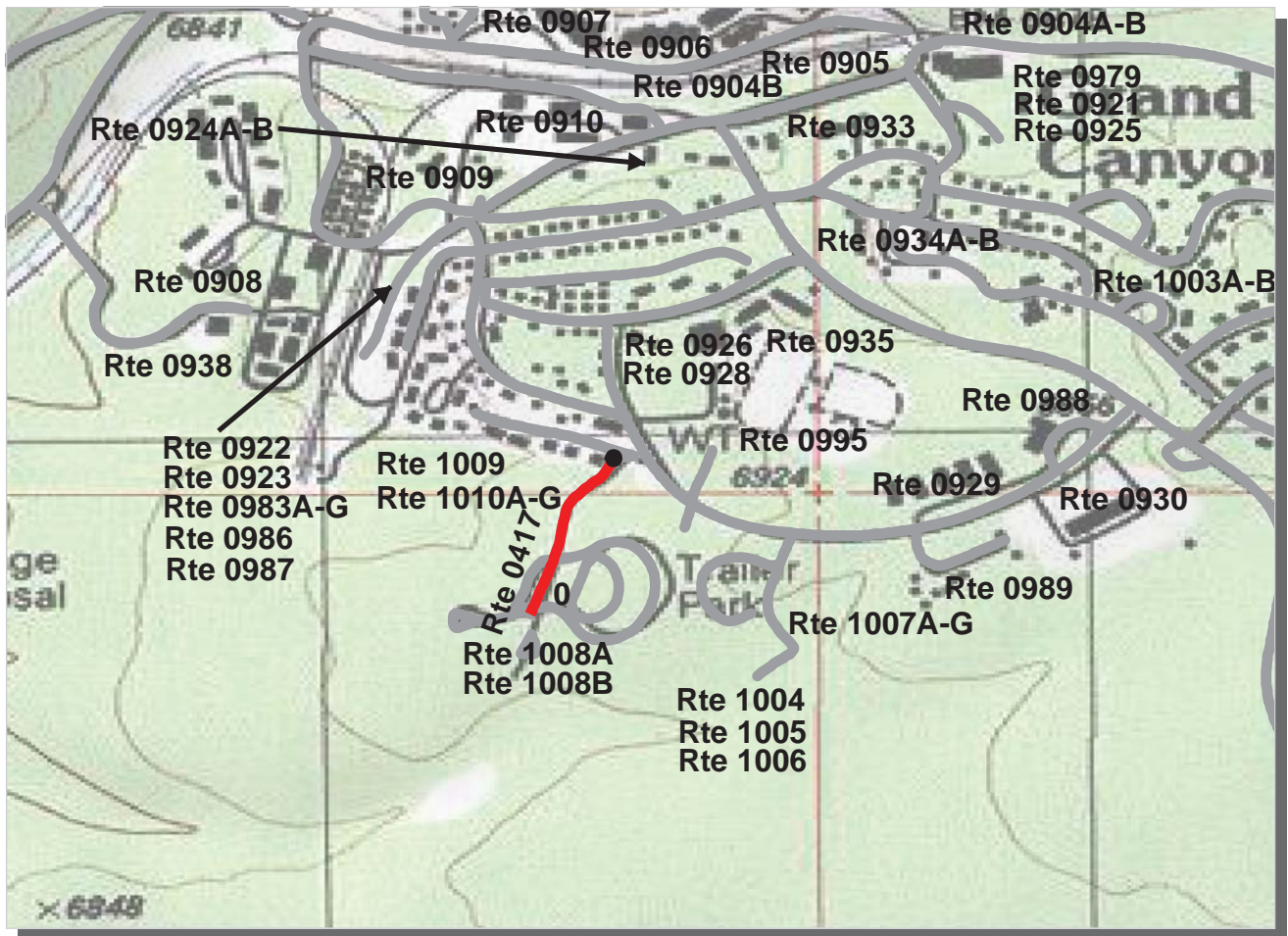
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0416 Muav Court **TOTAL LENGTH: 0.15 Miles**

Section Number	0			
Section Length (mi)	0.15			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	22			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	1			
RCI (Roughness Condition Index)	29			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	11			
Rutting Index	47			
Patching Index	99			
Transverse Cracking Index	93			
Longitudinal Cracking Index	97			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0416 Muav Court

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



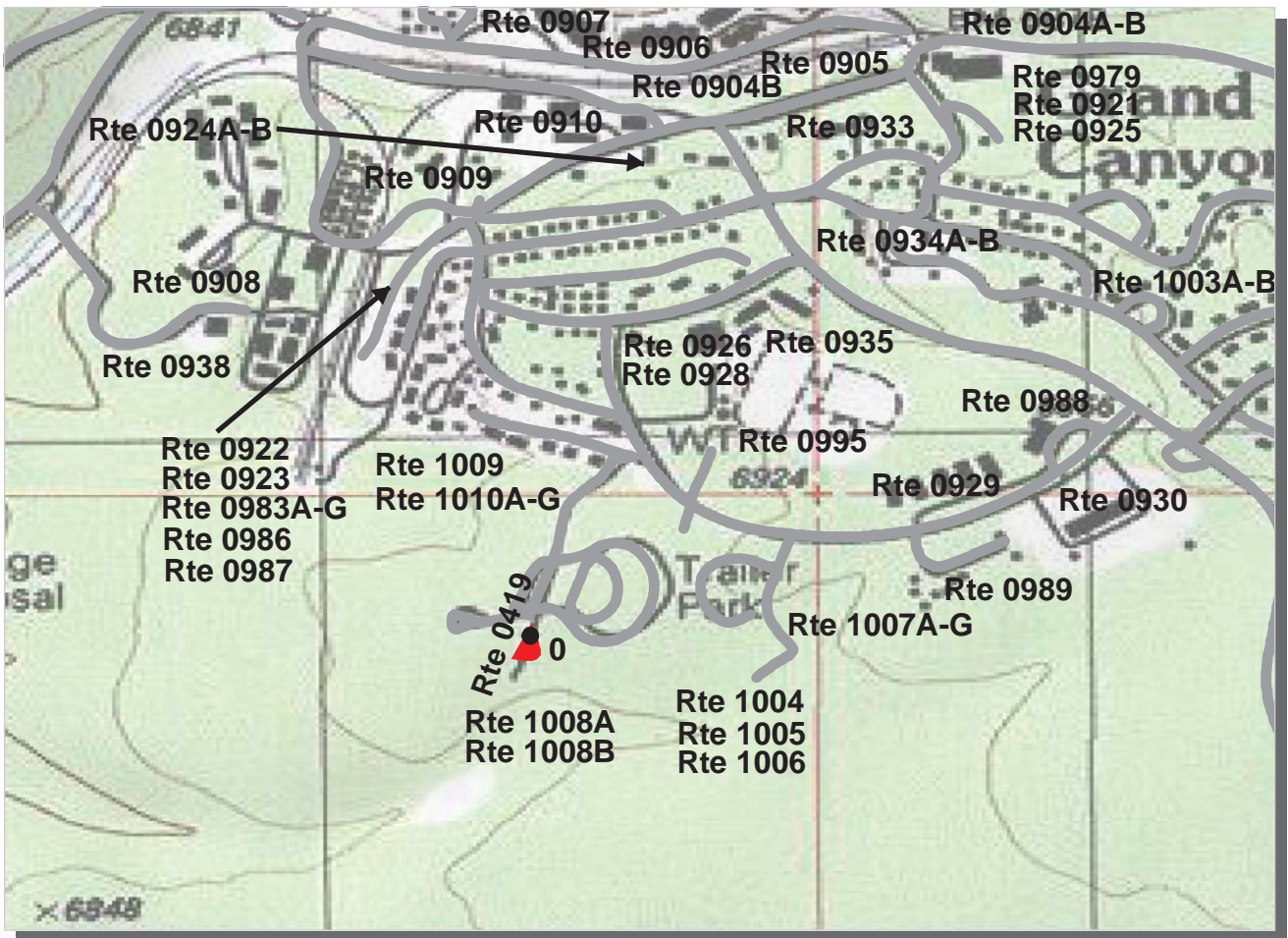
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0417 Hualapai Road **TOTAL LENGTH: 0.20 Miles**

Section Number	0			
Section Length (mi)	0.20			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	24			
Lane Width (ft)	12			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	18			
RCI (Roughness Condition Index)	61			
SCR (Surface Condition Rating)	7			
Alligator Cracking Index	27			
Rutting Index	60			
Patching Index	99			
Transverse Cracking Index	91			
Longitudinal Cracking Index	95			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0417 Hualapai Road

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



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

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

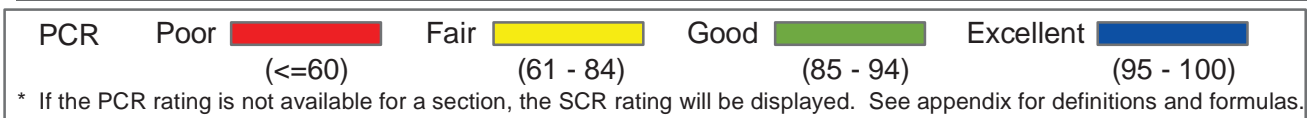
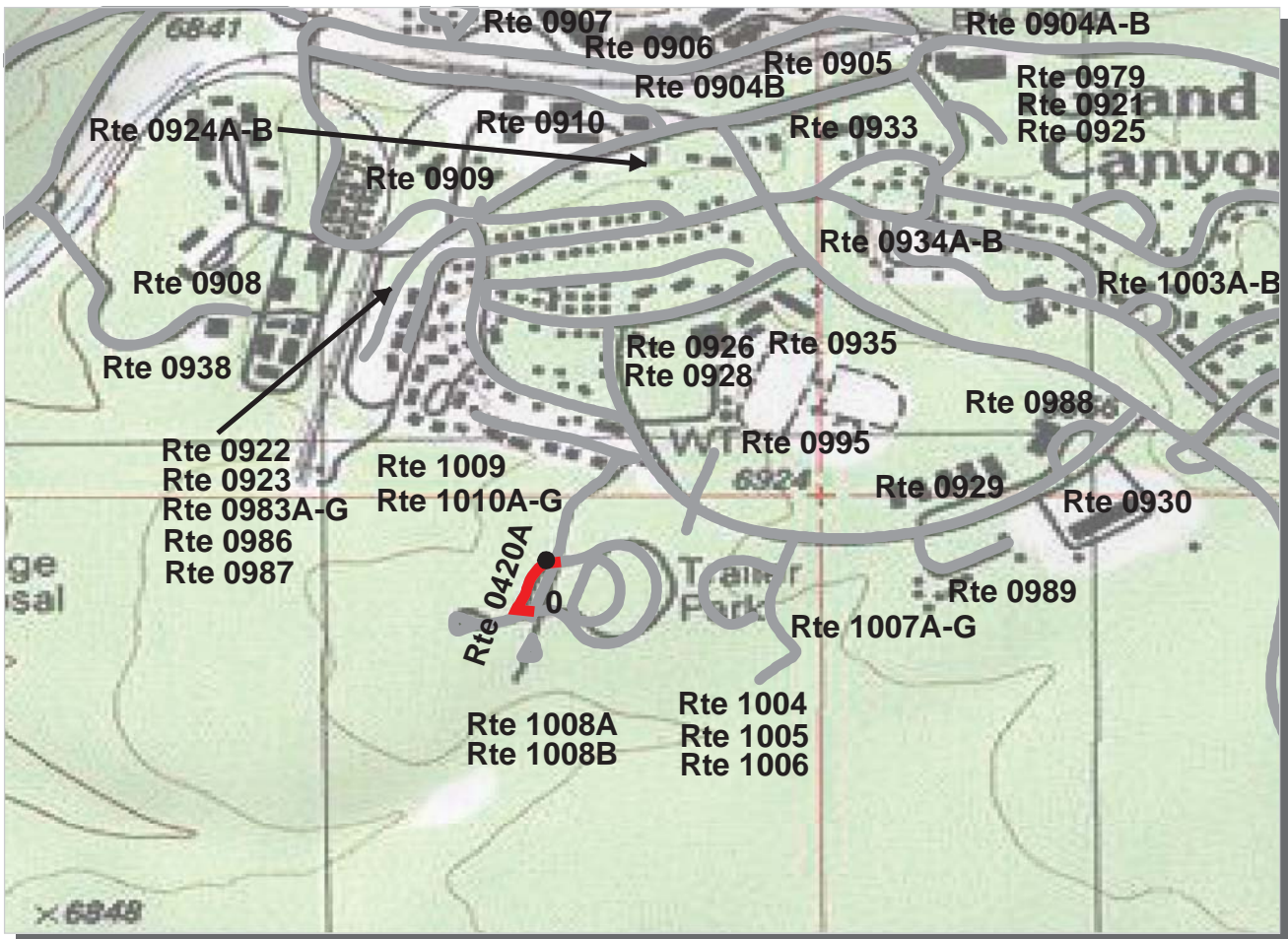
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0419 Kolb Circle **TOTAL LENGTH: 0.05 Miles**

Section Number	0			
Section Length (mi)	0.05			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	18			
Lane Width (ft)	9			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	33			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	33			
Alligator Cracking Index	100			
Rutting Index	48			
Patching Index	100			
Transverse Cracking Index	90			
Longitudinal Cracking Index	95			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0419 Kolb Circle

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



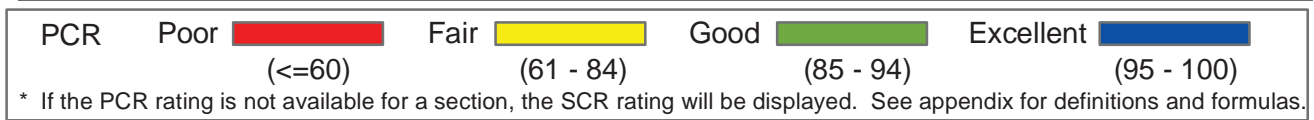
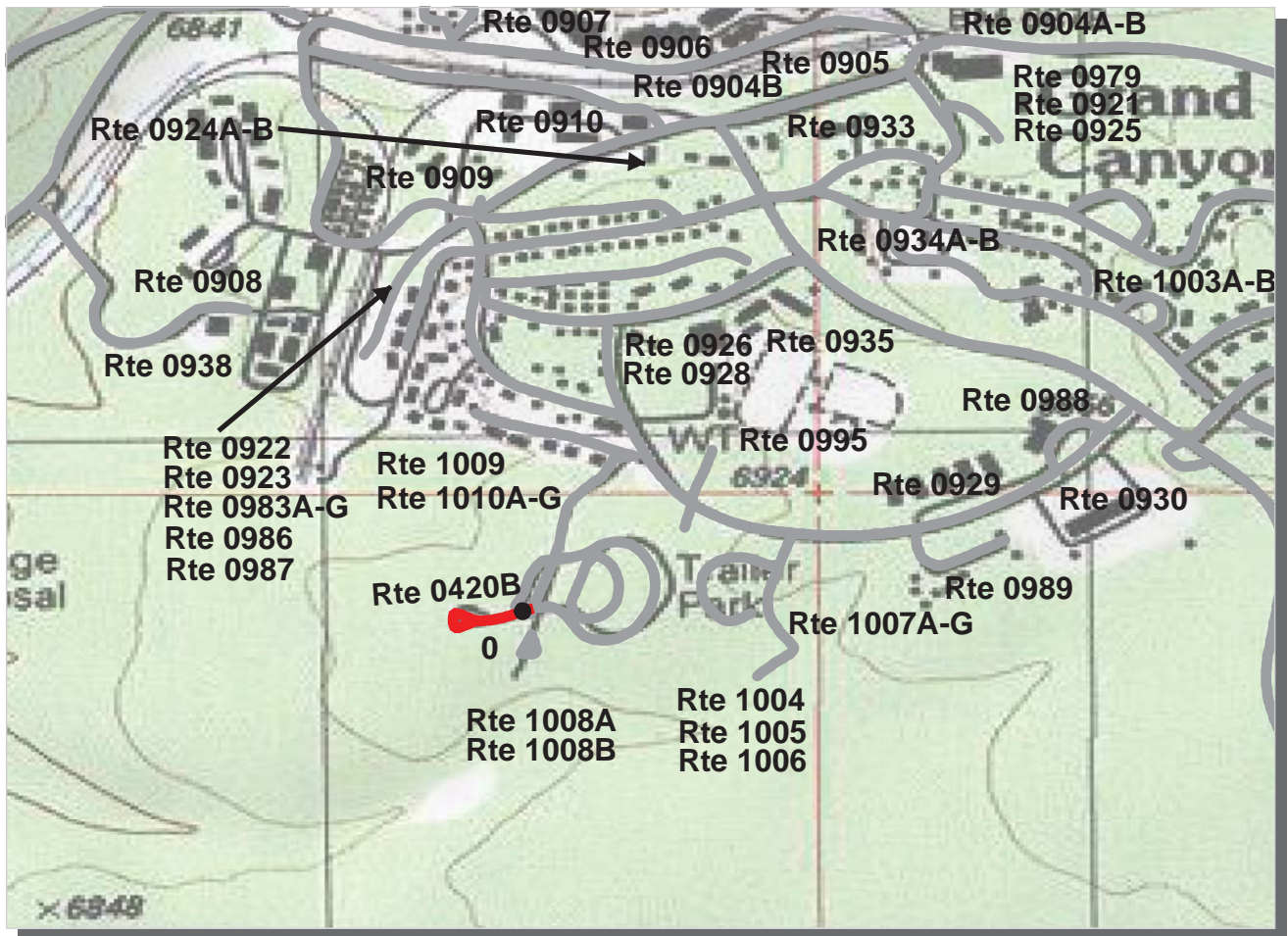
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0420A Mather Street **TOTAL LENGTH: 0.07 Miles**

Section Number	0			
Section Length (mi)	0.07			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	13			
Lane Width (ft)	13			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	4			
Rutting Index	48			
Patching Index	95			
Transverse Cracking Index	92			
Longitudinal Cracking Index	96			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0420A Mather Street

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



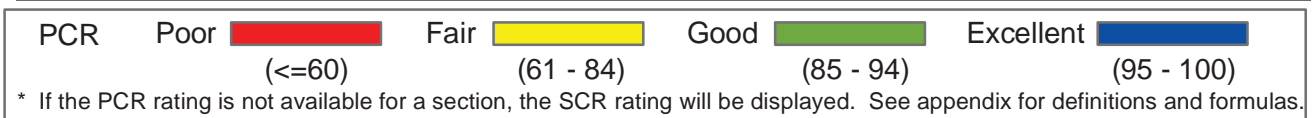
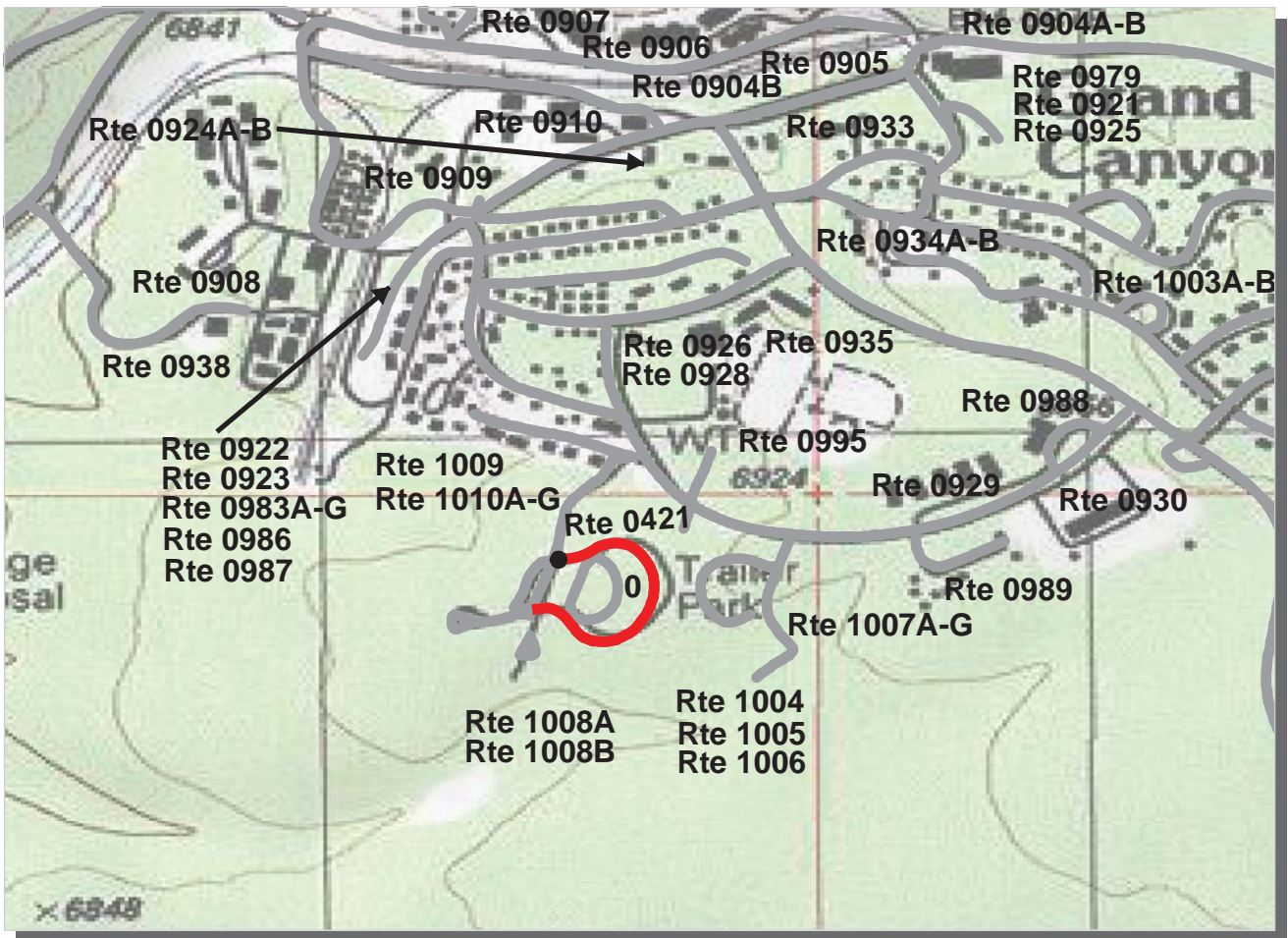
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0420B Mather Street **TOTAL LENGTH: 0.11 Miles**

Section Number	0			
Section Length (mi)	0.11			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	15			
Lane Width (ft)	15			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	0			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	0			
Alligator Cracking Index	10			
Rutting Index	42			
Patching Index	96			
Transverse Cracking Index	88			
Longitudinal Cracking Index	95			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0420B Mather Street

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



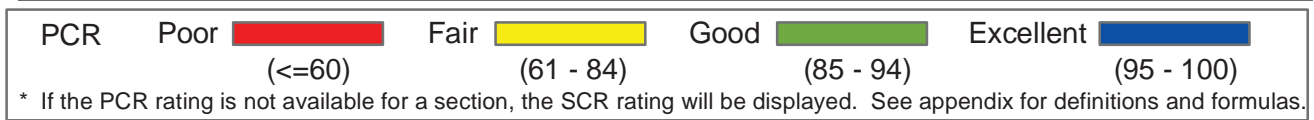
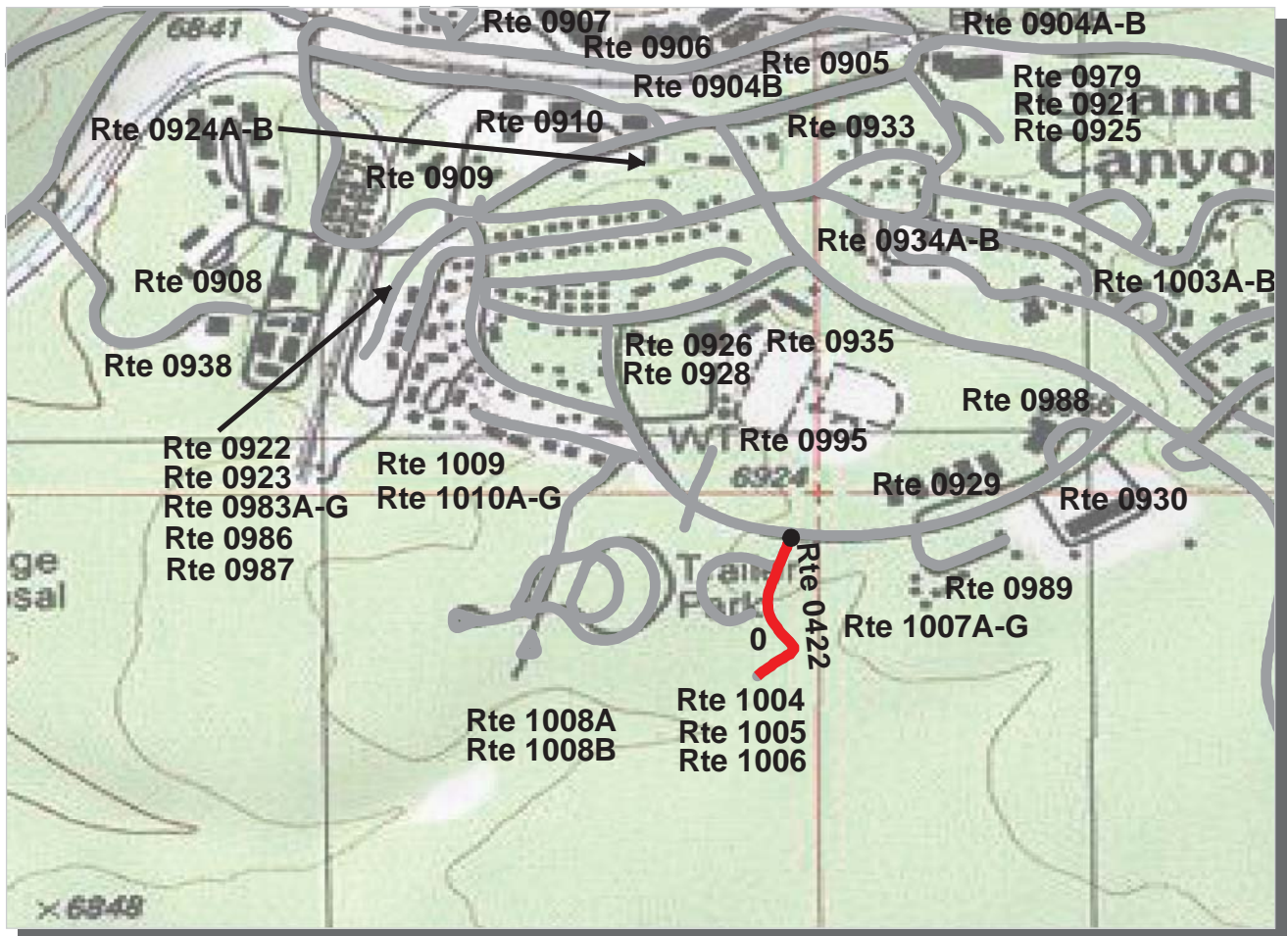
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0421 Powell Avenue **TOTAL LENGTH: 0.27 Miles**

Section Number	0			
Section Length (mi)	0.27			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	18			
Lane Width (ft)	9			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	47			
RCI (Roughness Condition Index)	42			
SCR (Surface Condition Rating)	50			
Alligator Cracking Index	84			
Rutting Index	70			
Patching Index	100			
Transverse Cracking Index	99			
Longitudinal Cracking Index	96			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0421 Powell Avenue

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



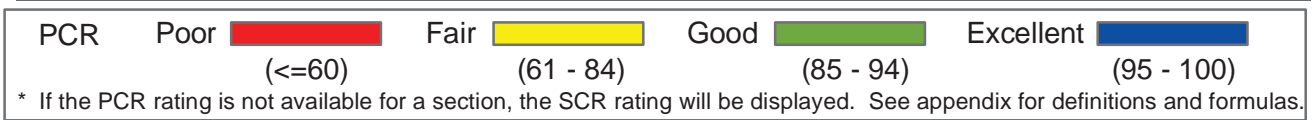
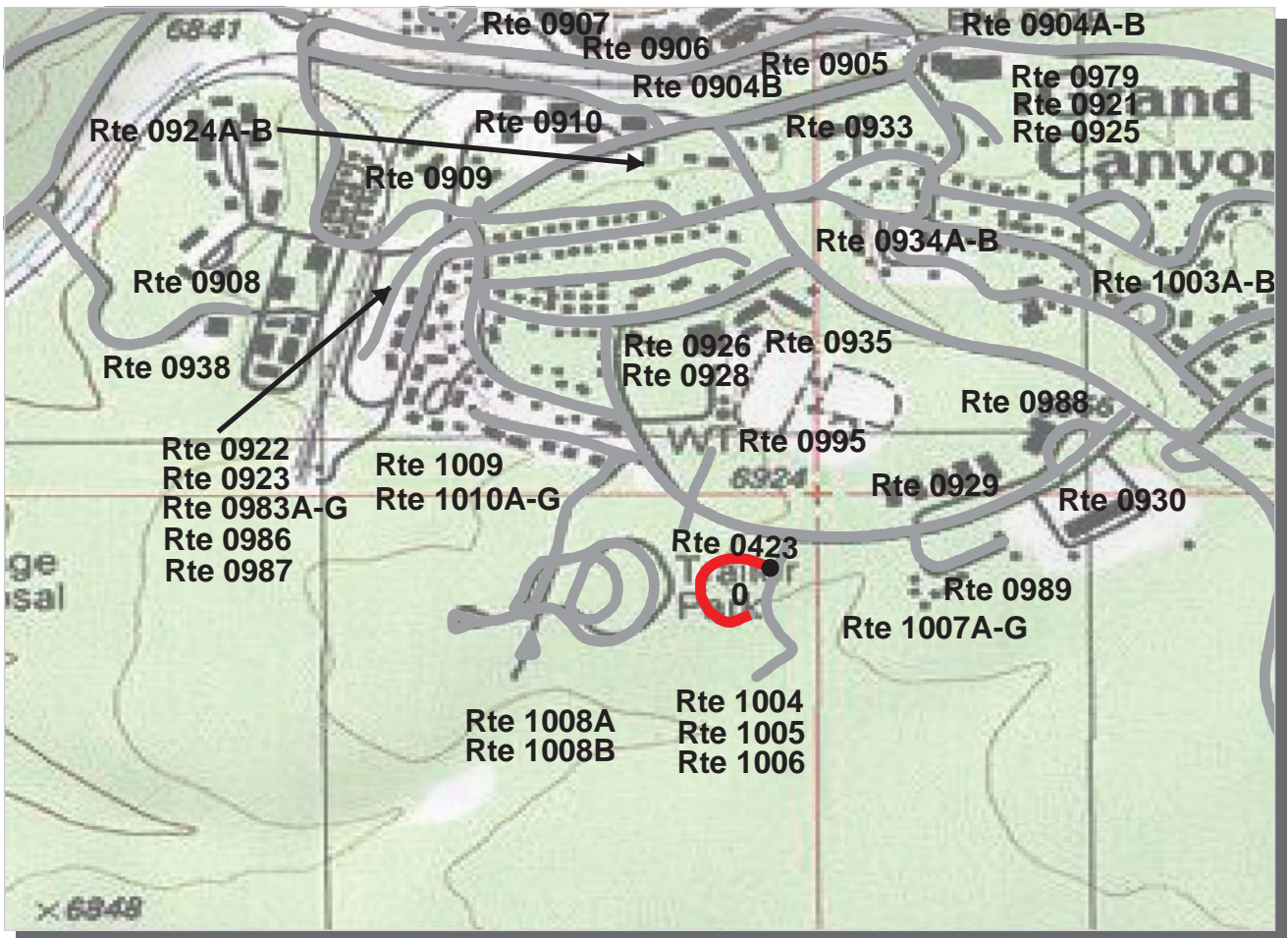
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0422 Muave Street **TOTAL LENGTH: 0.17 Miles**

Section Number	0			
Section Length (mi)	0.17			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	21			
Lane Width (ft)	10			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	13			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	13			
Alligator Cracking Index	57			
Rutting Index	44			
Patching Index	97			
Transverse Cracking Index	96			
Longitudinal Cracking Index	97			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0422 Muave Street

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



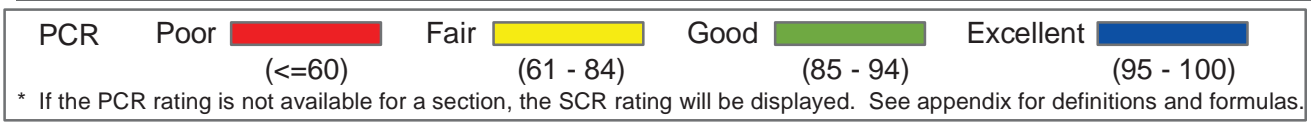
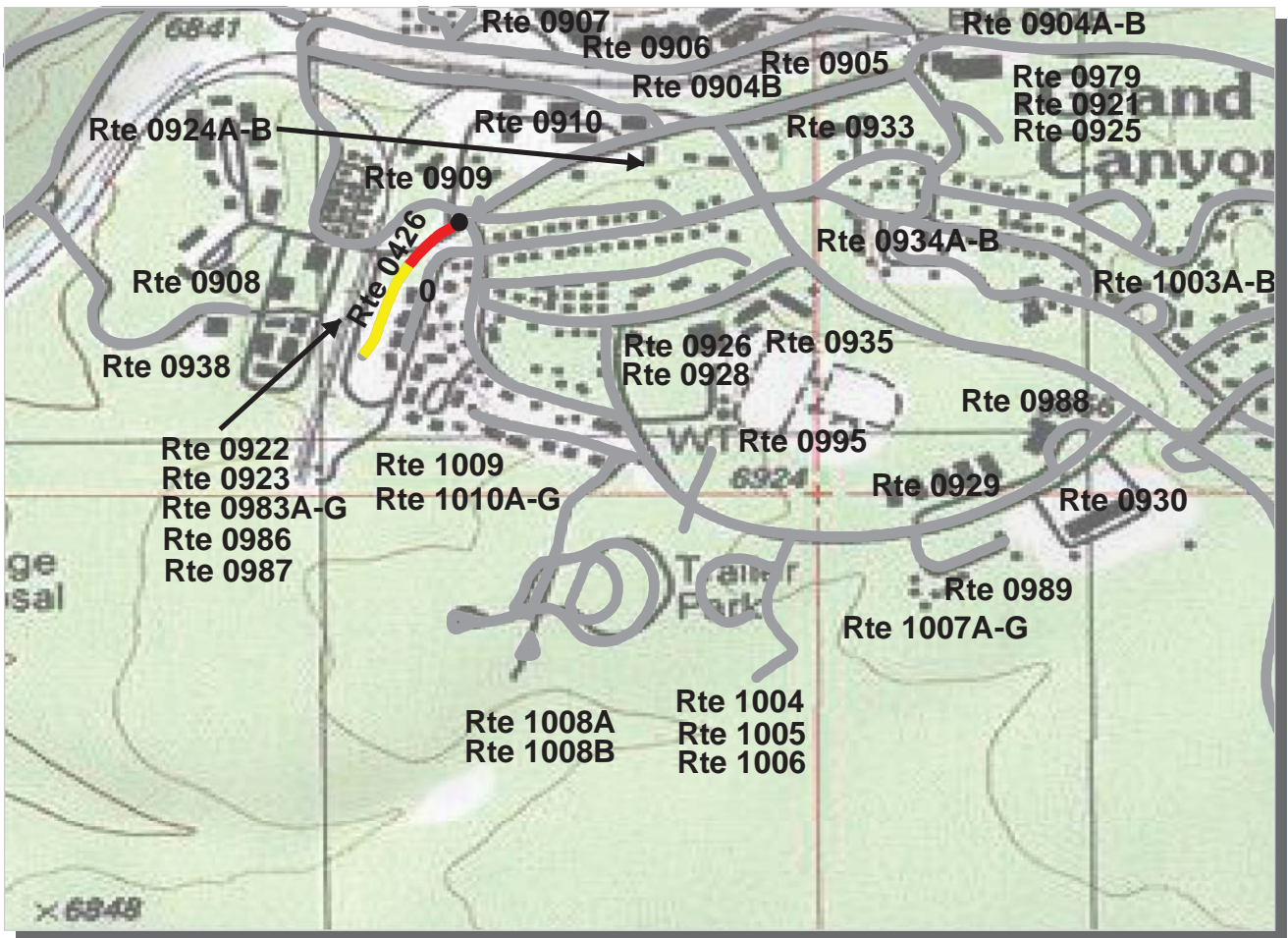
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0423 Grand Canyon Village New Housing Loop Road **TOTAL LENGTH: 0.16 Miles**

Section Number	0			
Section Length (mi)	0.16			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	21			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	10			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	10			
Alligator Cracking Index	59			
Rutting Index	35			
Patching Index	100			
Transverse Cracking Index	93			
Longitudinal Cracking Index	94			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0423 Grand Canyon Village New Housing Loop Road

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



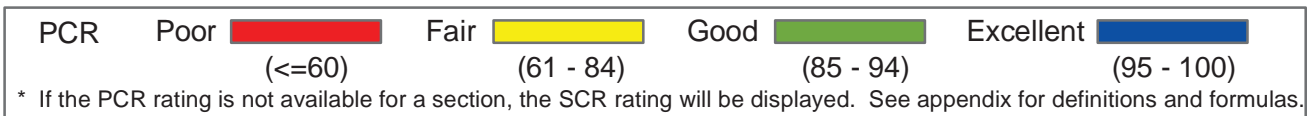
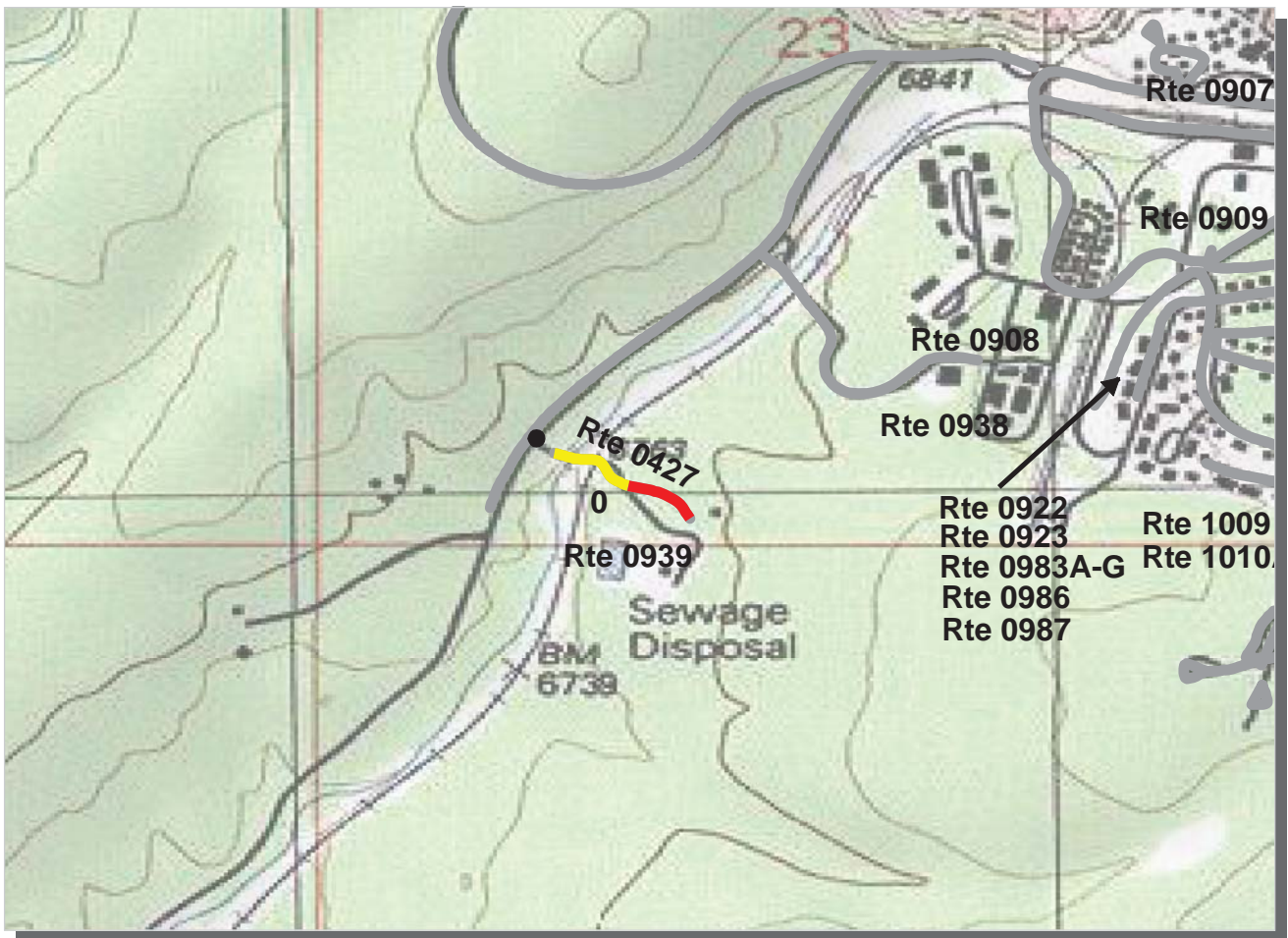
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0426 Maswick Transportation Center Road **TOTAL LENGTH: 0.17 Miles**

Section Number	0			
Section Length (mi)	0.17			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	24			
Lane Width (ft)	12			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	65			
RCI (Roughness Condition Index)	91			
SCR (Surface Condition Rating)	61			
Alligator Cracking Index	100			
Rutting Index	62			
Patching Index	100			
Transverse Cracking Index	99			
Longitudinal Cracking Index	99			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0426 Maswick Transportation 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>



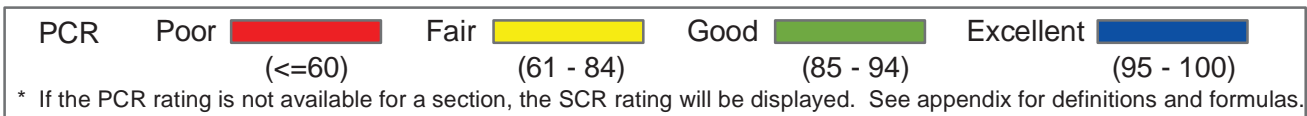
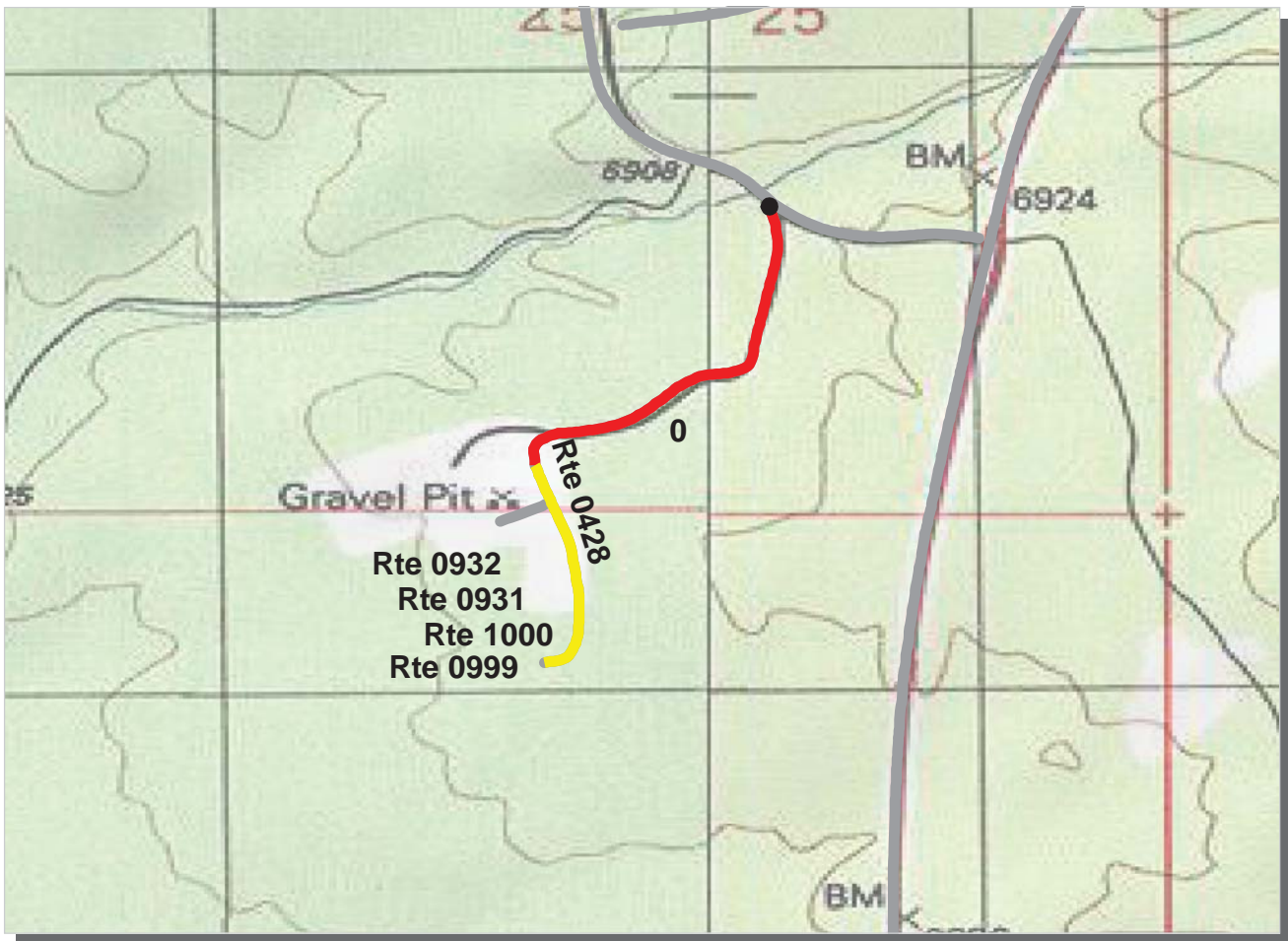
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0427 Kennels Road **TOTAL LENGTH: 0.17 Miles**

Section Number	0				
Section Length (mi)	0.17				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	55				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	55				
Alligator Cracking Index	89				
Rutting Index	69				
Patching Index	99				
Transverse Cracking Index	98				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0427 Kennels Road

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



Intermountain Region

GRCA : Grand Canyon National Park

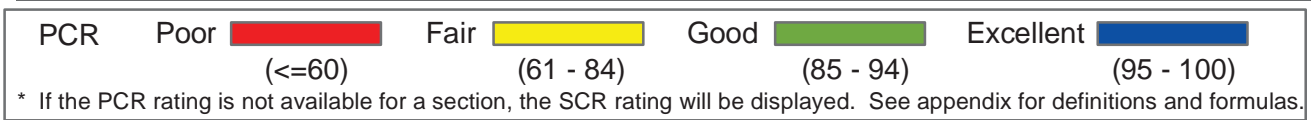
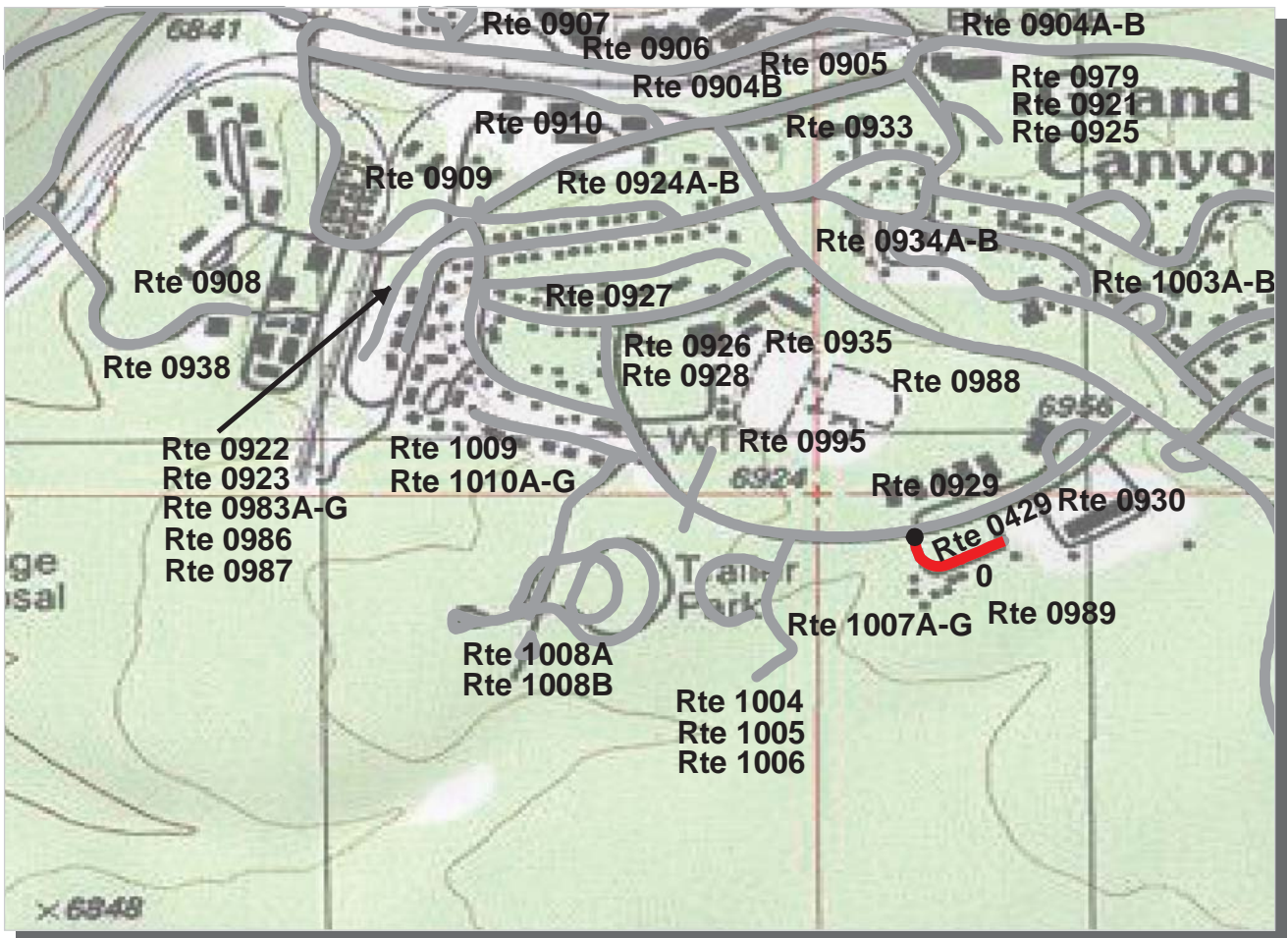
ROUTE: 0428 Shuttle Bus Road

TOTAL LENGTH: 0.61 Miles

Section Number	0				
Section Length (mi)	0.61				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	42				
RCI (Roughness Condition Index)	61				
SCR (Surface Condition Rating)	38				
Alligator Cracking Index	72				
Rutting Index	58				
Patching Index	98				
Transverse Cracking Index	96				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0428 Shuttle Bus Road

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



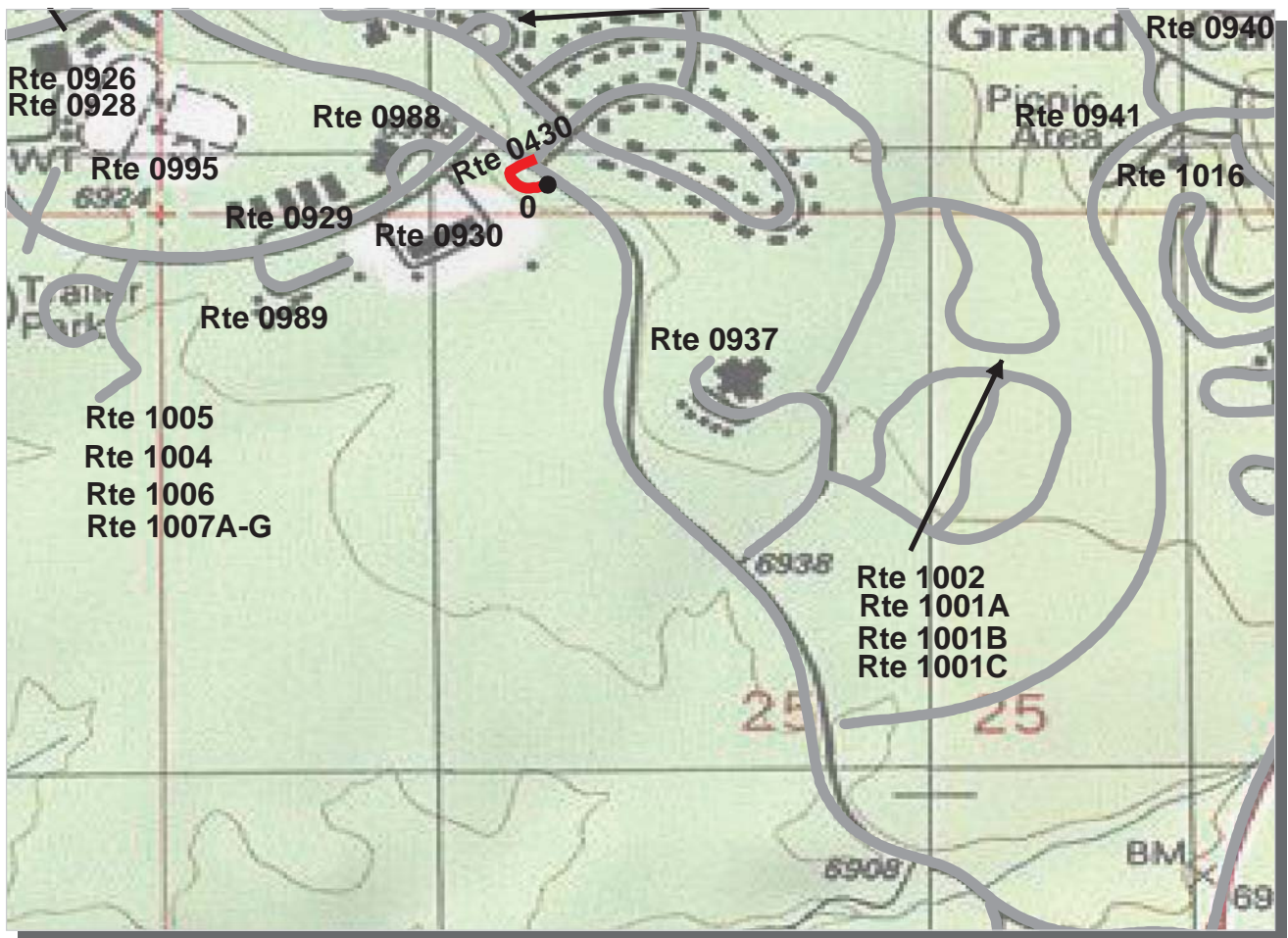
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0429 Nps Offices Road **TOTAL LENGTH: 0.11 Miles**

Section Number	0				
Section Length (mi)	0.11				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	21				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	21				
Alligator Cracking Index	98				
Rutting Index	27				
Patching Index	98				
Transverse Cracking Index	98				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0429 Nps Offices Road

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



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

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

Intermountain Region

GRCA : Grand Canyon National Park

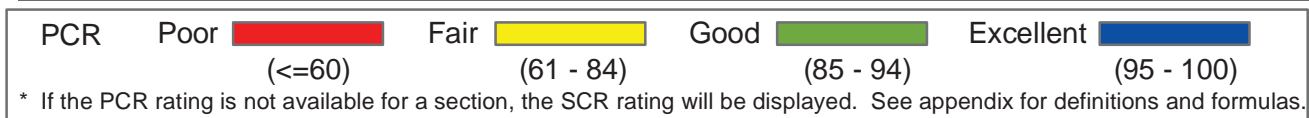
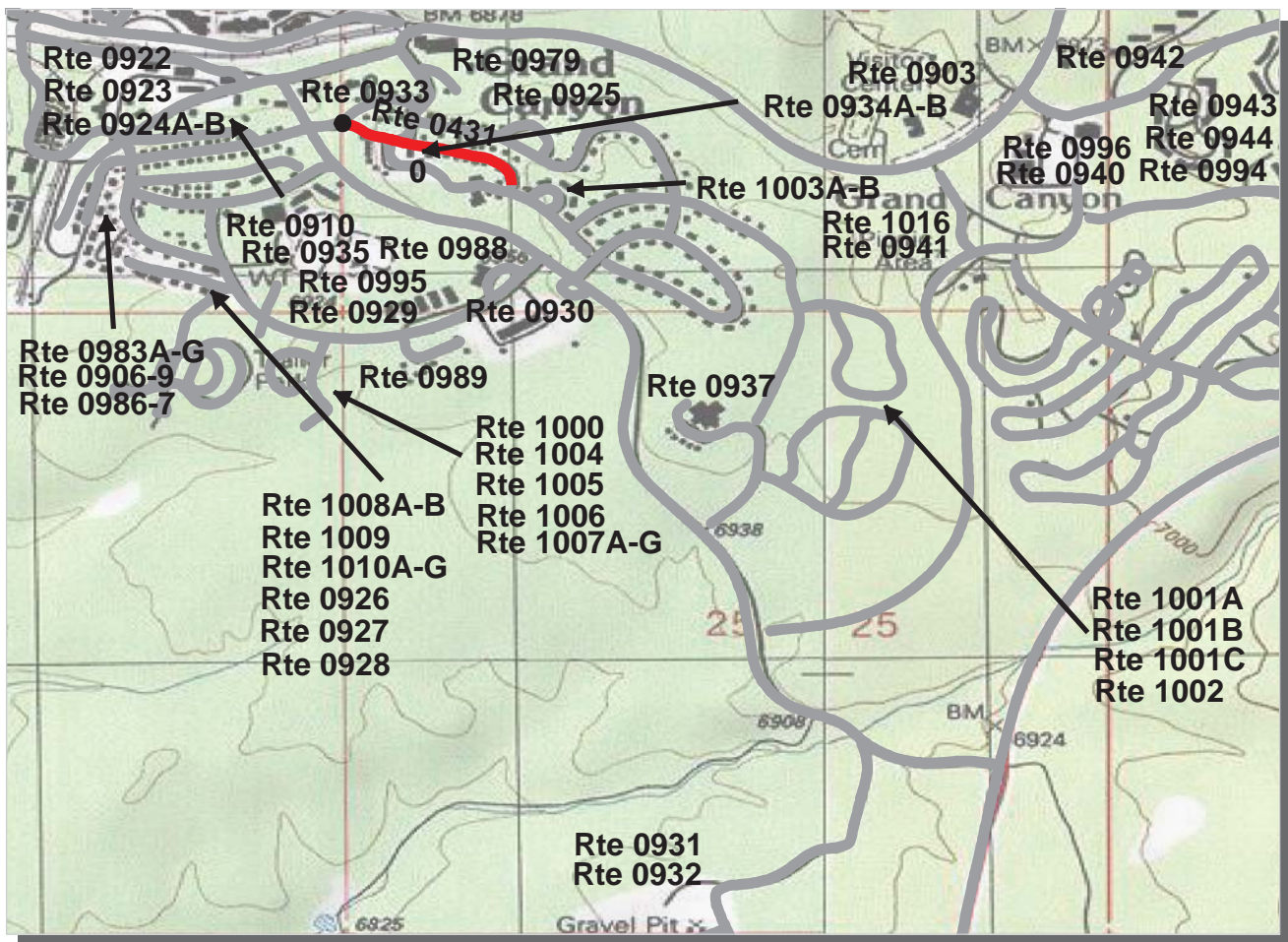
ROUTE: 0430 Lapp Loop

TOTAL LENGTH: 0.07 Miles

Section Number	0				
Section Length (mi)	0.07				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	12				
Shoulder Width (ft)	1				
Roadway Condition Information					
PCR (Pavement Condition Rating)	55				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	55				
Alligator Cracking Index	100				
Rutting Index	57				
Patching Index	100				
Transverse Cracking Index	98				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0430 Lapp Loop

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



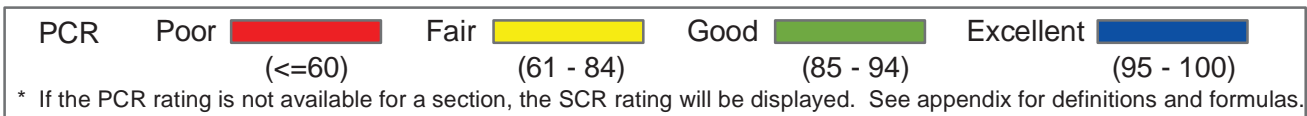
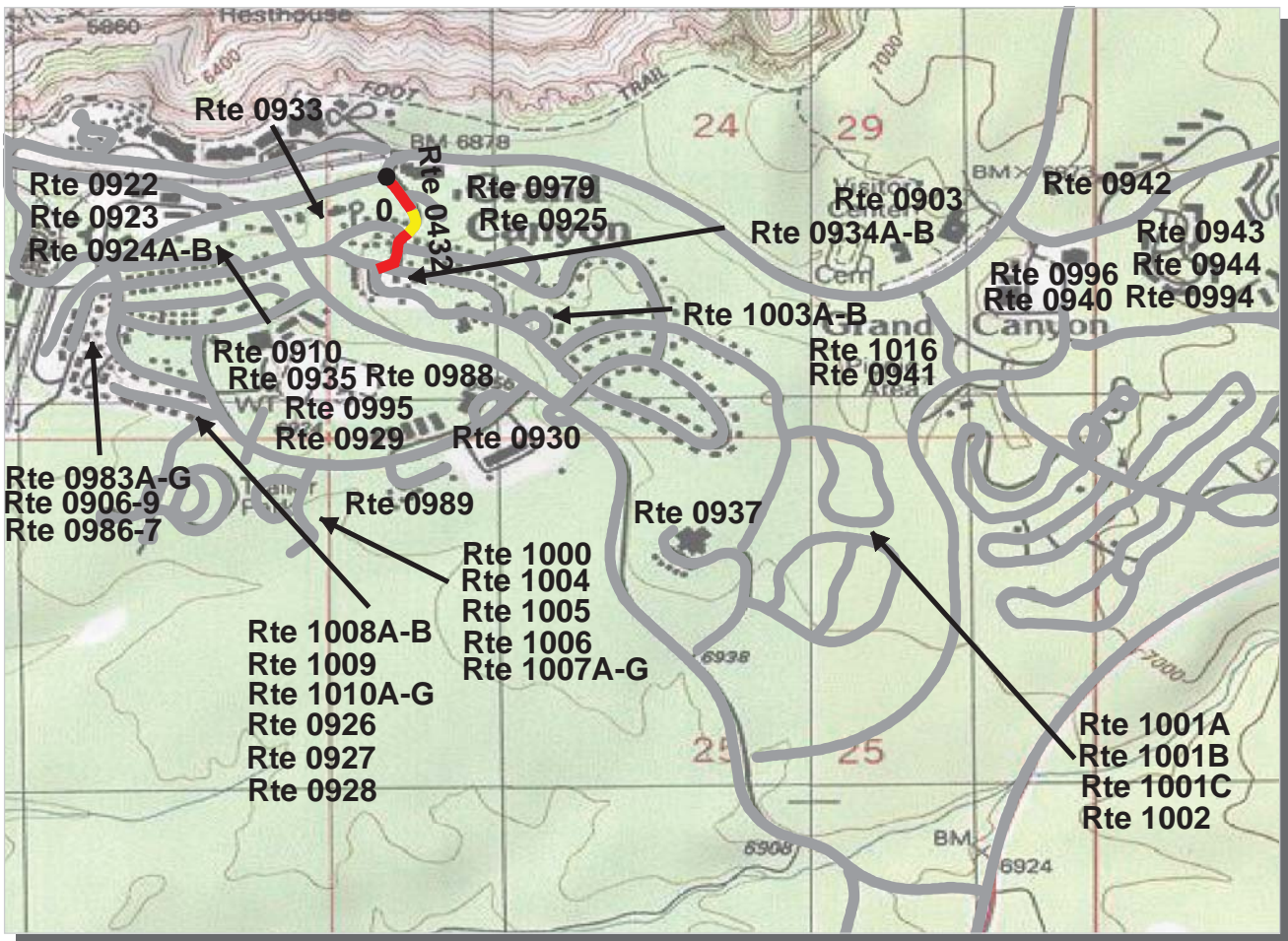
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0431 Juniper Hill **TOTAL LENGTH: 0.28 Miles**

Section Number	0			
Section Length (mi)	0.28			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	18			
Lane Width (ft)	9			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	22			
RCI (Roughness Condition Index)	73			
SCR (Surface Condition Rating)	20			
Alligator Cracking Index	72			
Rutting Index	29			
Patching Index	92			
Transverse Cracking Index	96			
Longitudinal Cracking Index	98			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0431 Juniper Hill

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



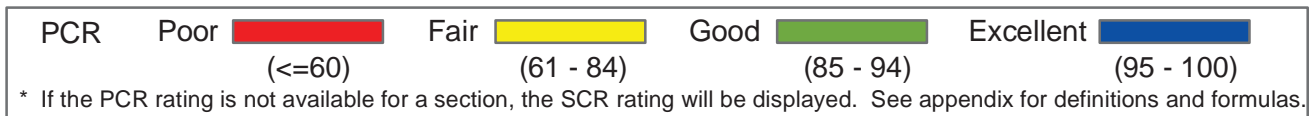
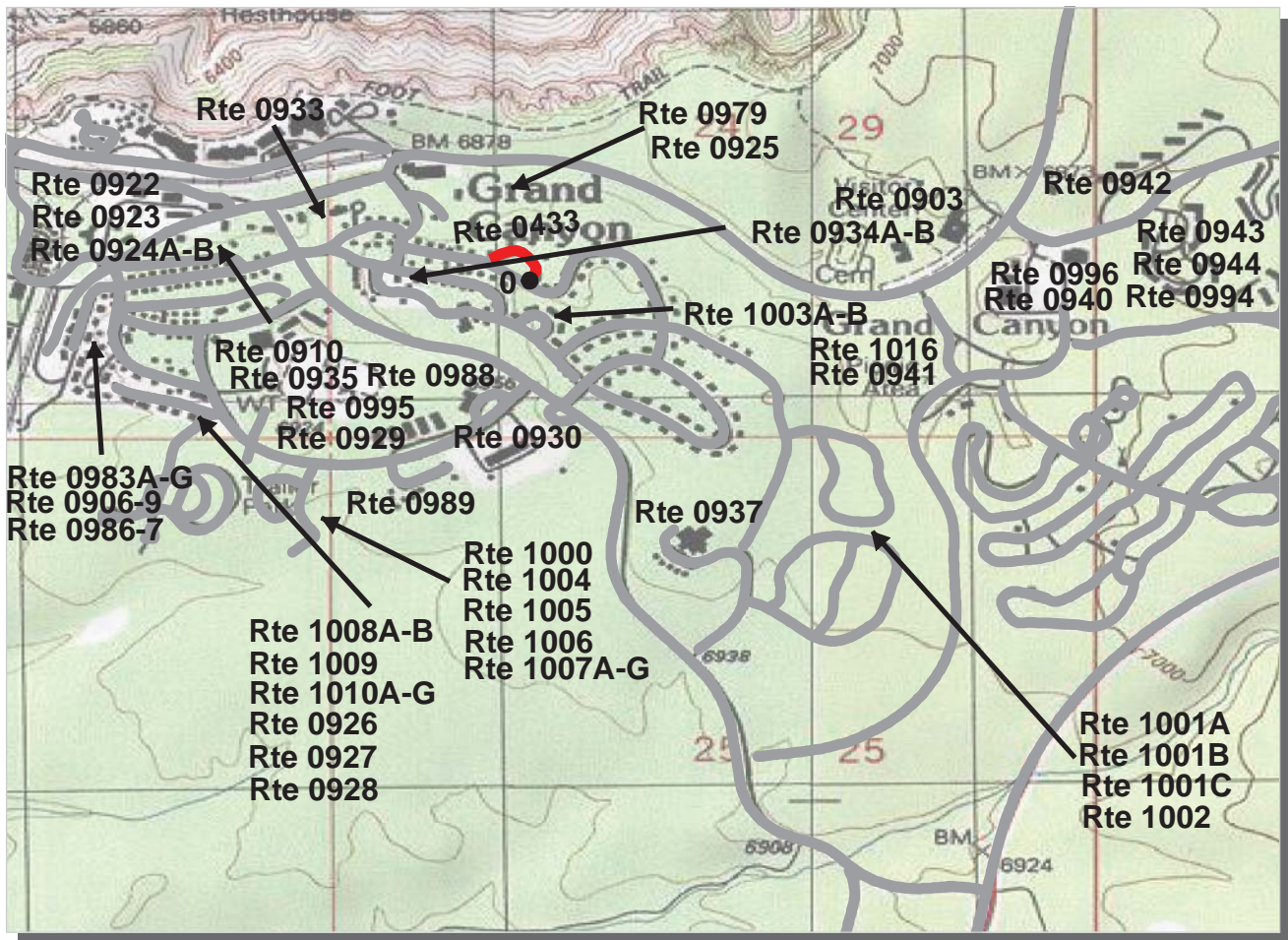
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0432 Navajo Street **TOTAL LENGTH: 0.17 Miles**

Section Number	0				
Section Length (mi)	0.17				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	48				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	48				
Alligator Cracking Index	98				
Rutting Index	62				
Patching Index	99				
Transverse Cracking Index	92				
Longitudinal Cracking Index	95				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0432 Navajo Street

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



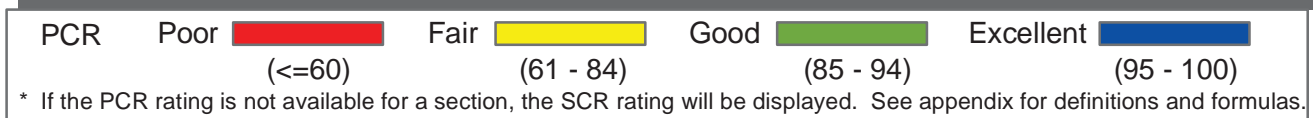
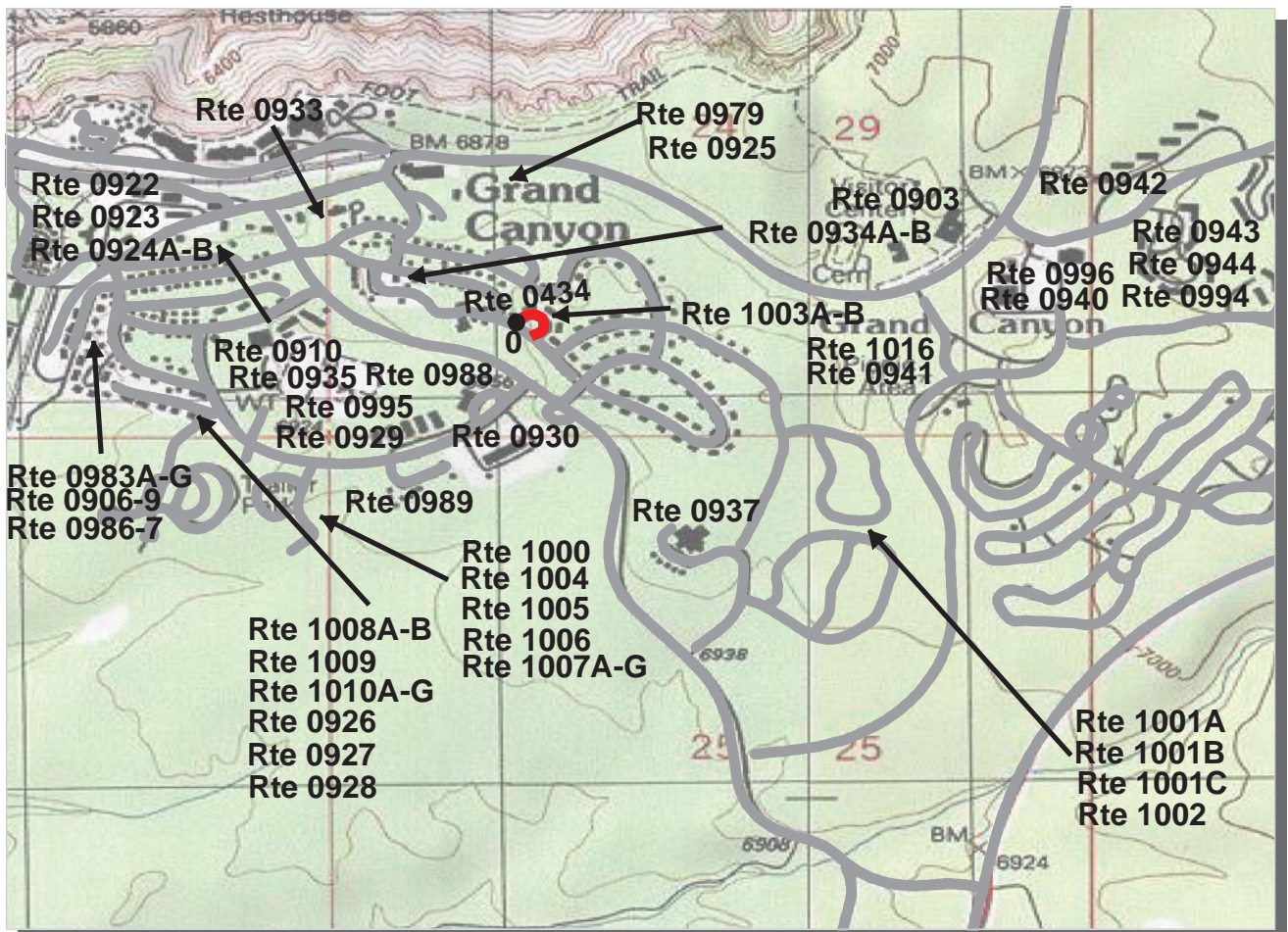
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0433 Tapeats Street **TOTAL LENGTH: 0.12 Miles**

Section Number	0				
Section Length (mi)	0.12				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	0				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	0				
Alligator Cracking Index	60				
Rutting Index	31				
Patching Index	100				
Transverse Cracking Index	85				
Longitudinal Cracking Index	85				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0433 Tapeats Street

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



Intermountain Region

GRCA : Grand Canyon National Park

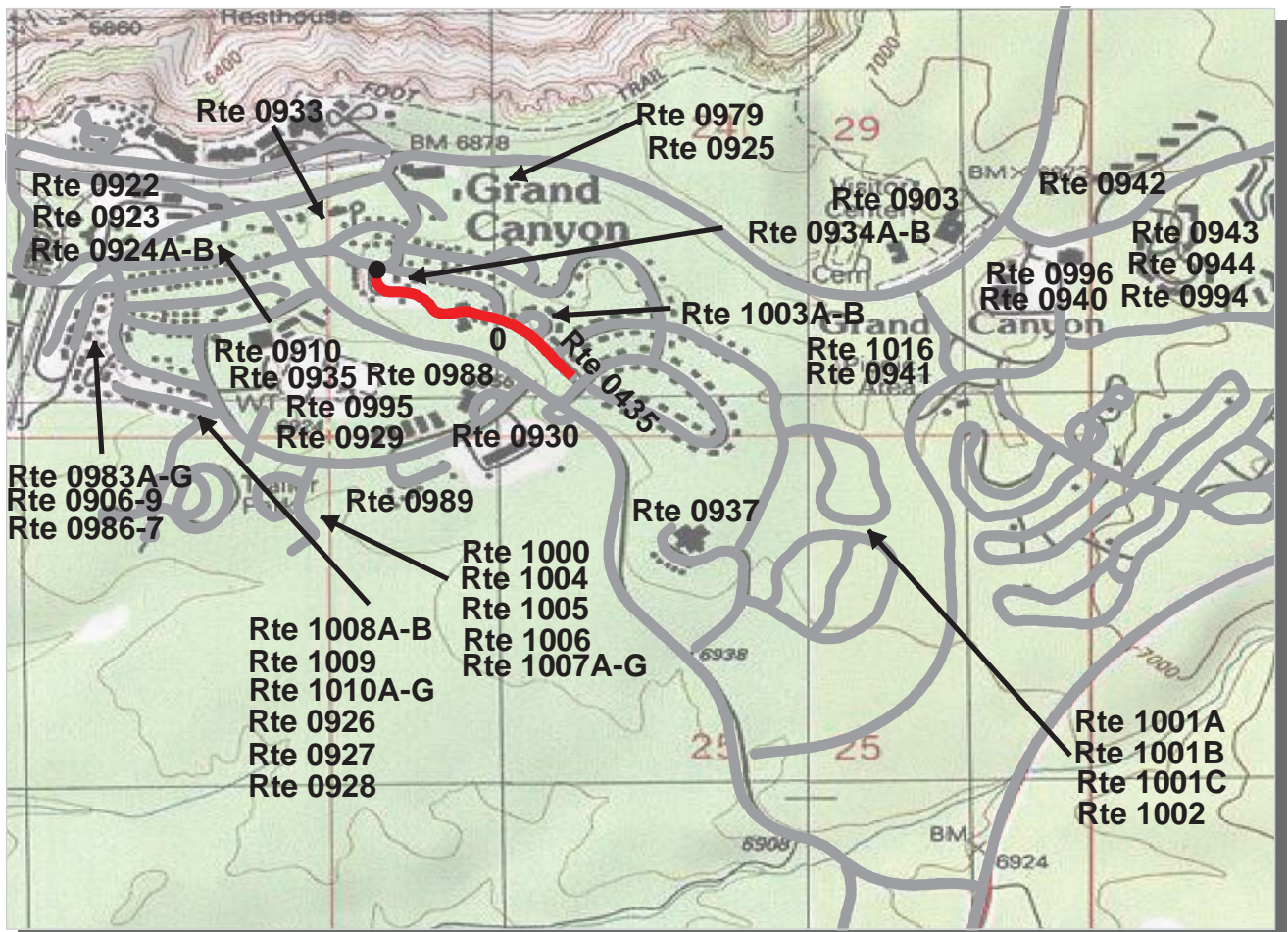
ROUTE: 0434 Hermit Circle

TOTAL LENGTH: 0.09 Miles

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	1				
Roadway Condition Information					
PCR (Pavement Condition Rating)	13				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	13				
Alligator Cracking Index	55				
Rutting Index	27				
Patching Index	99				
Transverse Cracking Index	96				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0434 Hermit Circle

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



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

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

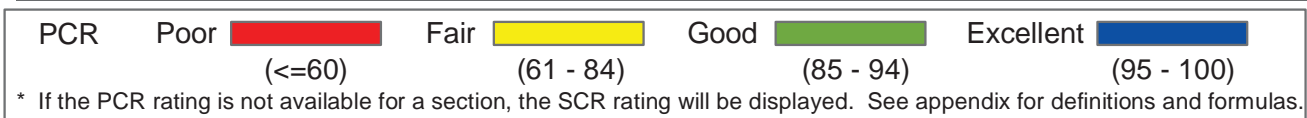
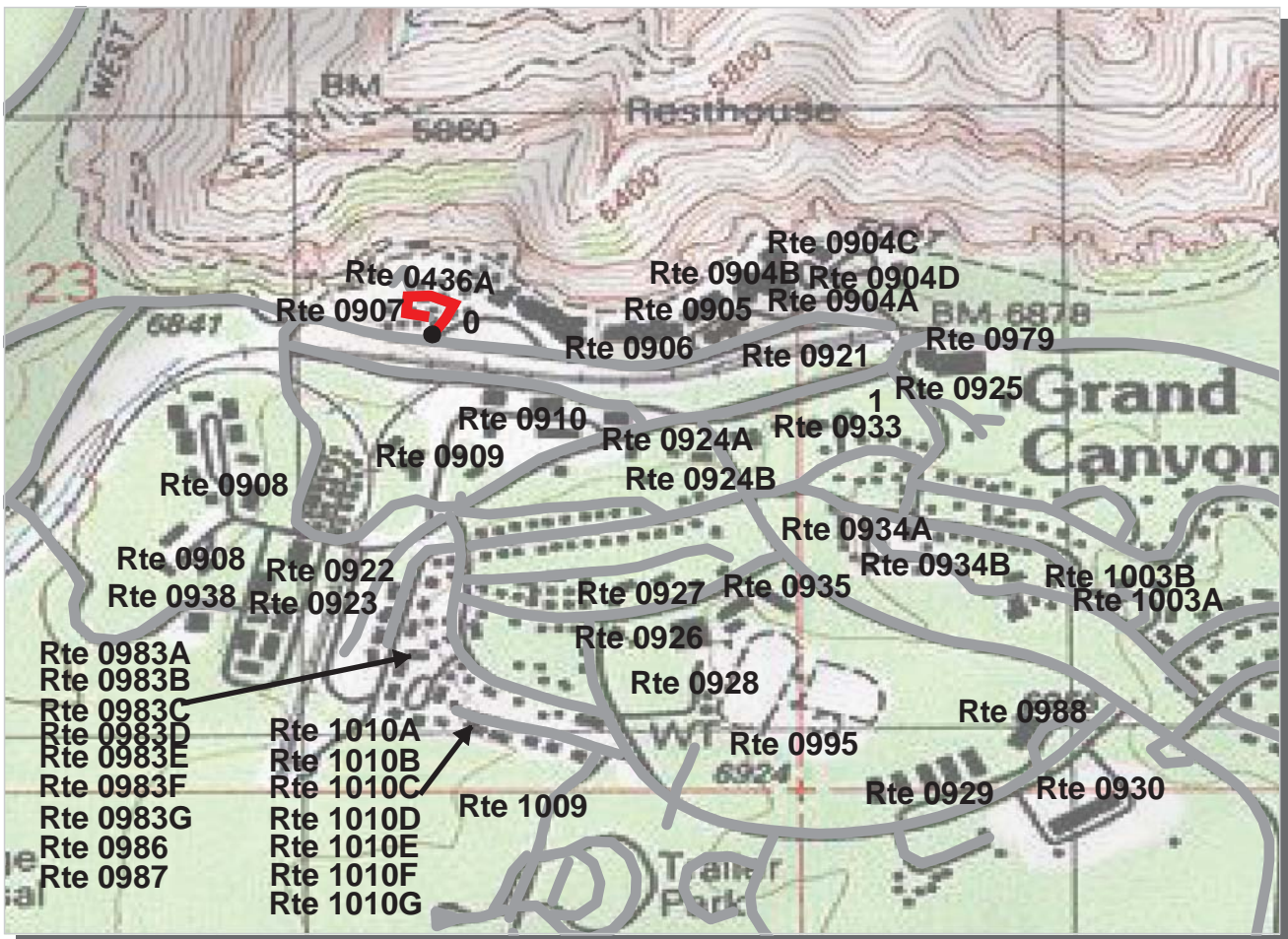
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0435 Sunset Drive **TOTAL LENGTH: 0.36 Miles**

Section Number	0				
Section Length (mi)	0.36				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	9				
RCI (Roughness Condition Index)	48				
SCR (Surface Condition Rating)	6				
Alligator Cracking Index	49				
Rutting Index	43				
Patching Index	98				
Transverse Cracking Index	73				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0435 Sunset Drive

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



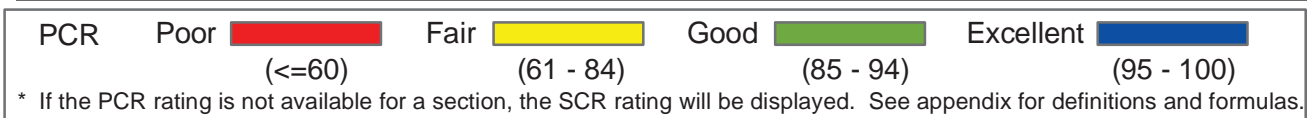
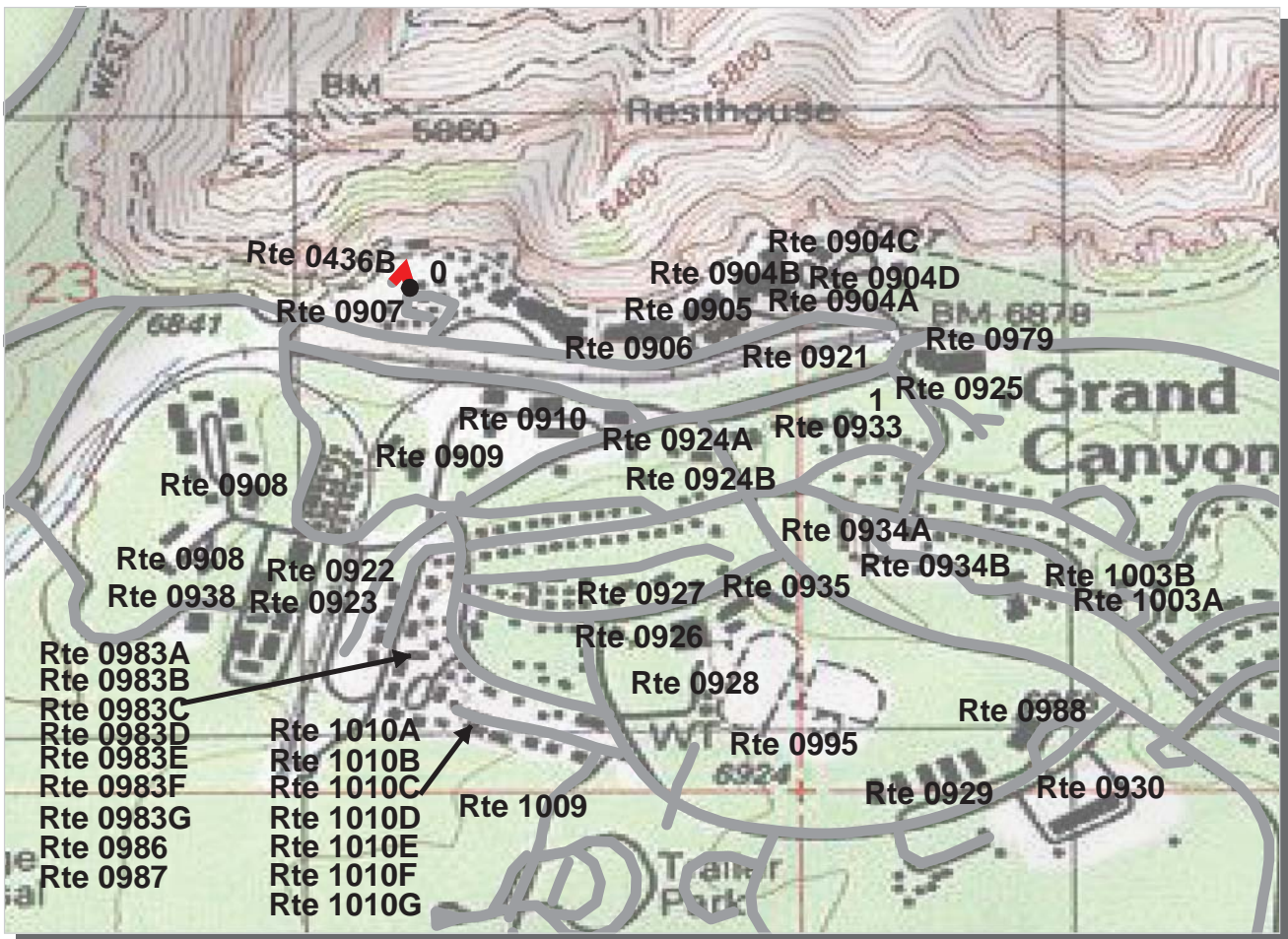
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0436A Bright Angel Loop Road **TOTAL LENGTH: 0.14 Miles**

Section Number	0			
Section Length (mi)	0.14			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	28			
Lane Width (ft)	12			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	8			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	8			
Alligator Cracking Index	88			
Rutting Index	16			
Patching Index	97			
Transverse Cracking Index	95			
Longitudinal Cracking Index	96			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0436A Bright Angel Loop Road

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



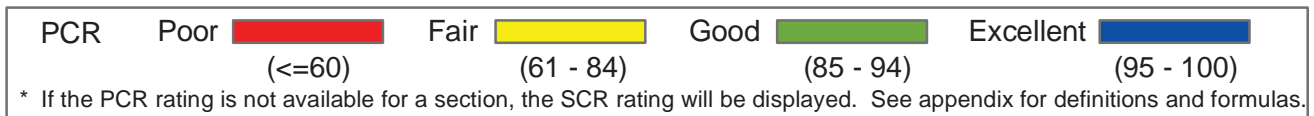
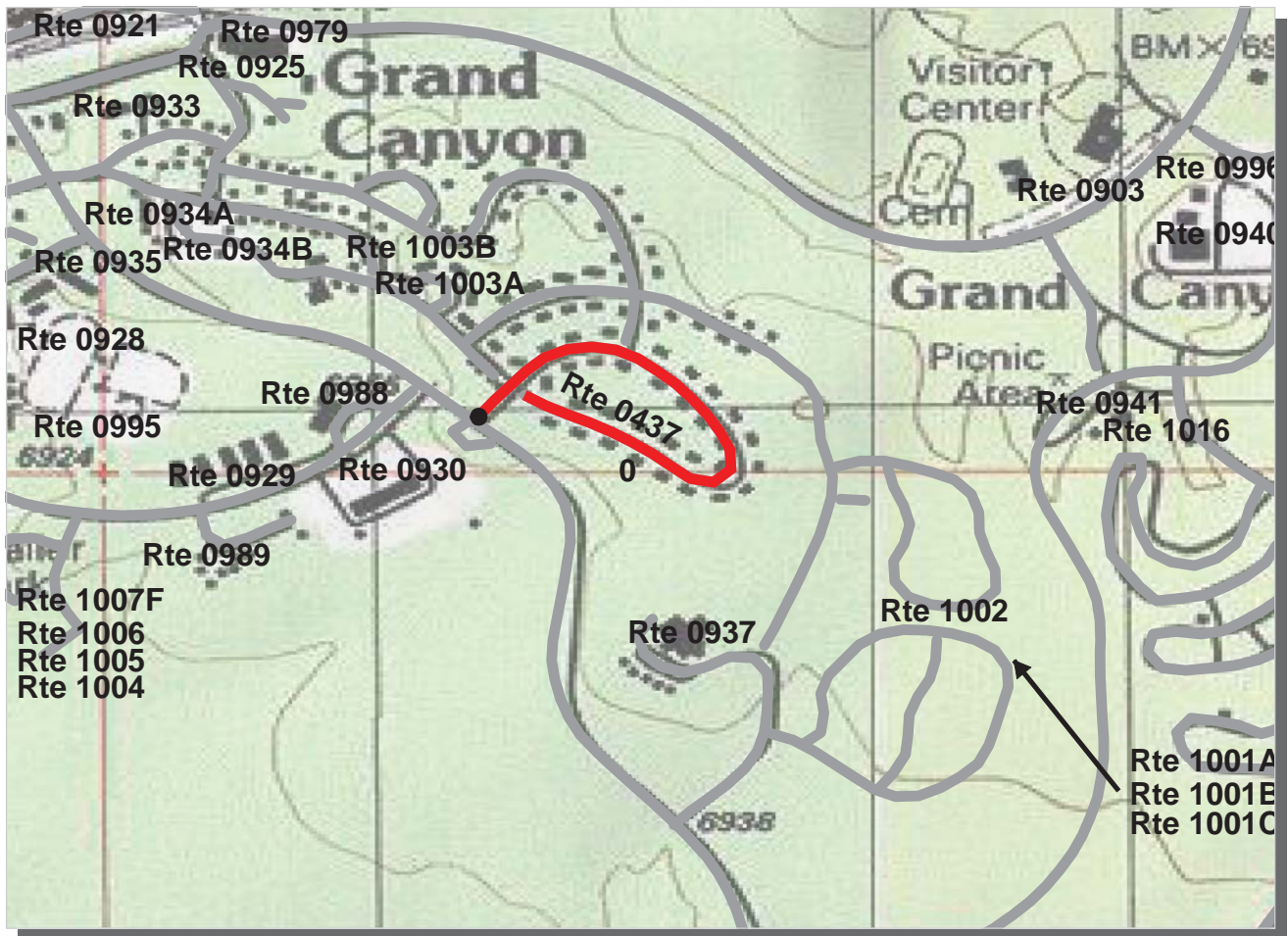
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0436B Bright Angel Loop Road **TOTAL LENGTH: 0.06 Miles**

Section Number	0			
Section Length (mi)	0.06			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	15			
Lane Width (ft)	15			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	37			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	37			
Alligator Cracking Index	100			
Rutting Index	37			
Patching Index	100			
Transverse Cracking Index	100			
Longitudinal Cracking Index	100			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0436B Bright Angel Loop Road

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



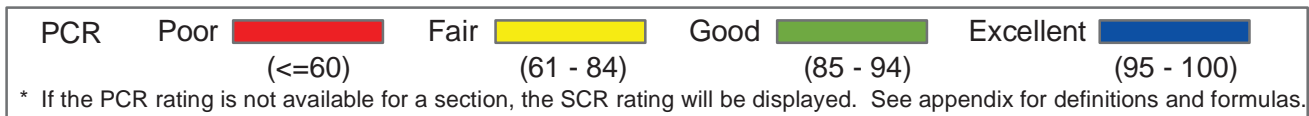
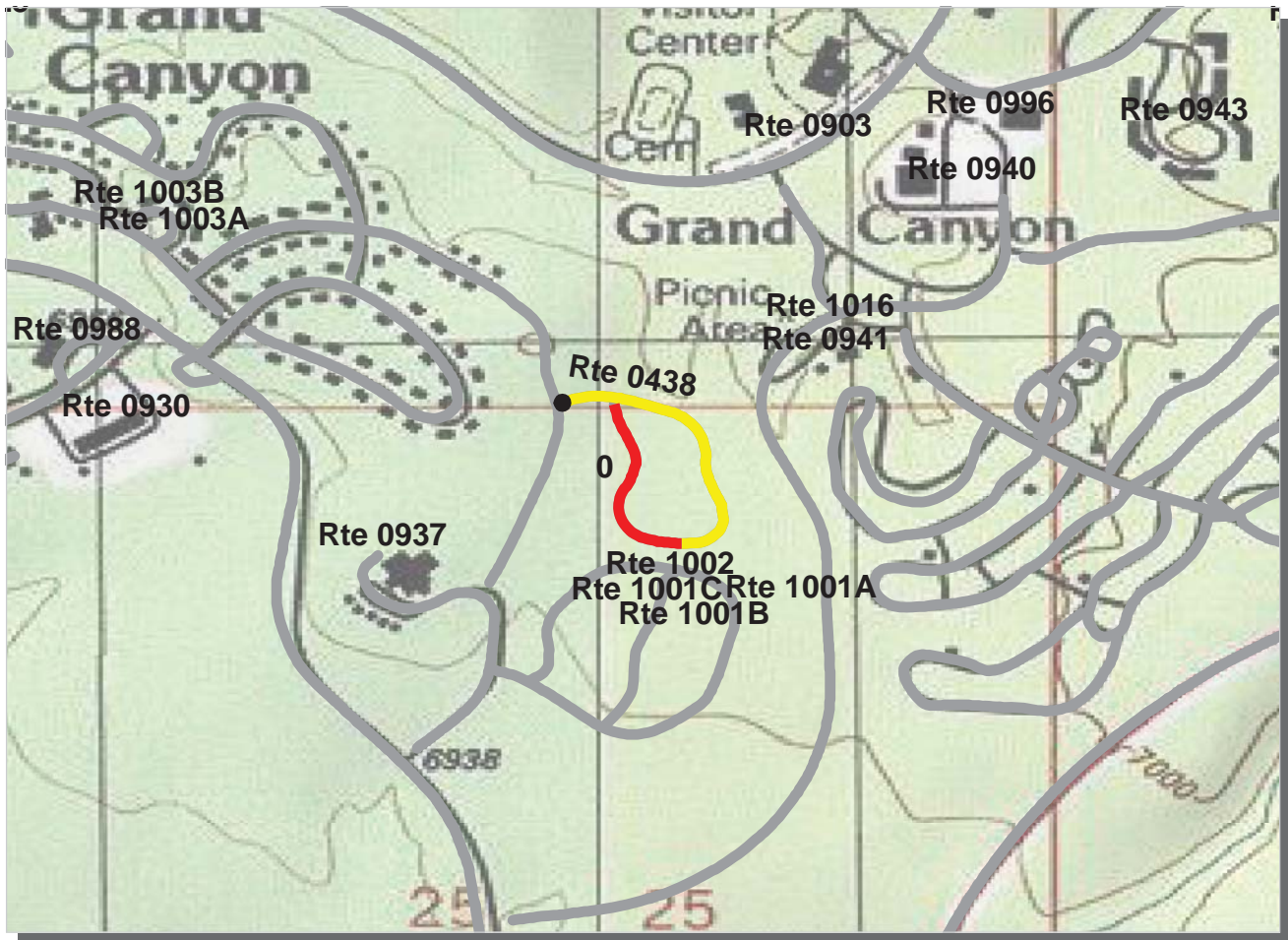
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0437 Park Circle **TOTAL LENGTH: 0.52 Miles**

Section Number	0				
Section Length (mi)	0.52				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	23				
RCI (Roughness Condition Index)	63				
SCR (Surface Condition Rating)	3				
Alligator Cracking Index	7				
Rutting Index	57				
Patching Index	99				
Transverse Cracking Index	93				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0437 Park Circle

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



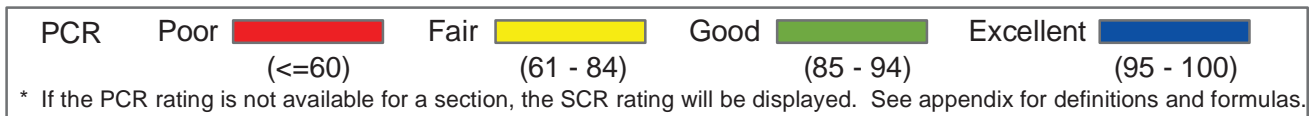
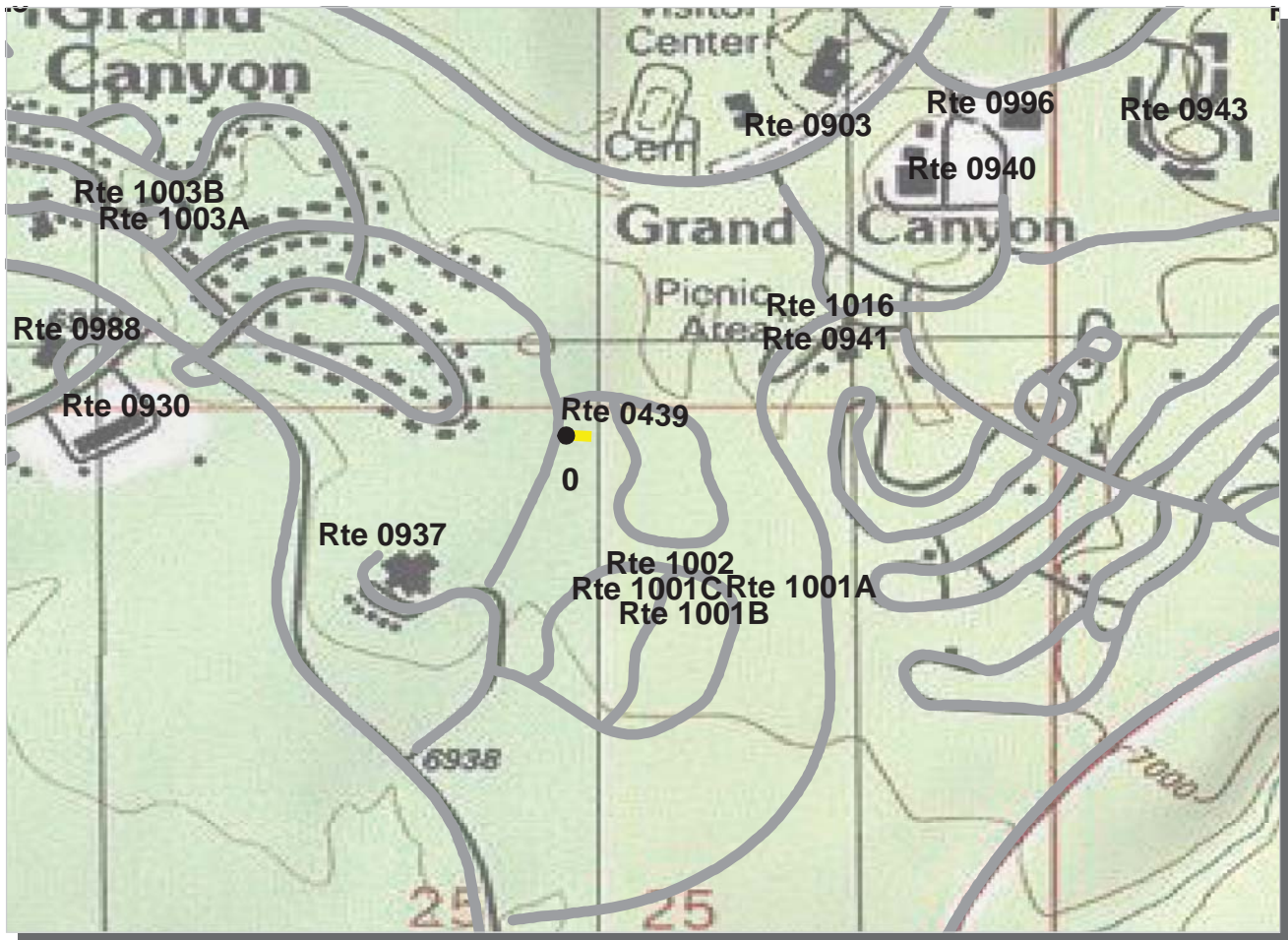
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0438 Barry Hance Circle **TOTAL LENGTH: 0.46 Miles**

Section Number	0				
Section Length (mi)	0.46				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	66				
RCI (Roughness Condition Index)	57				
SCR (Surface Condition Rating)	69				
Alligator Cracking Index	99				
Rutting Index	71				
Patching Index	99				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0438 Barry Hance Circle

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



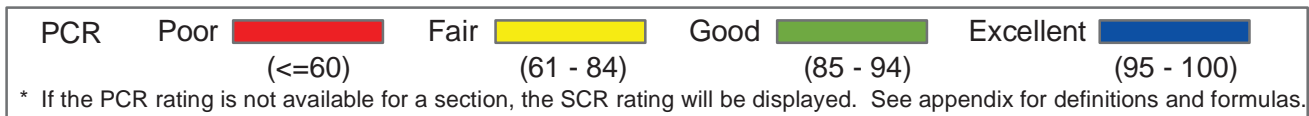
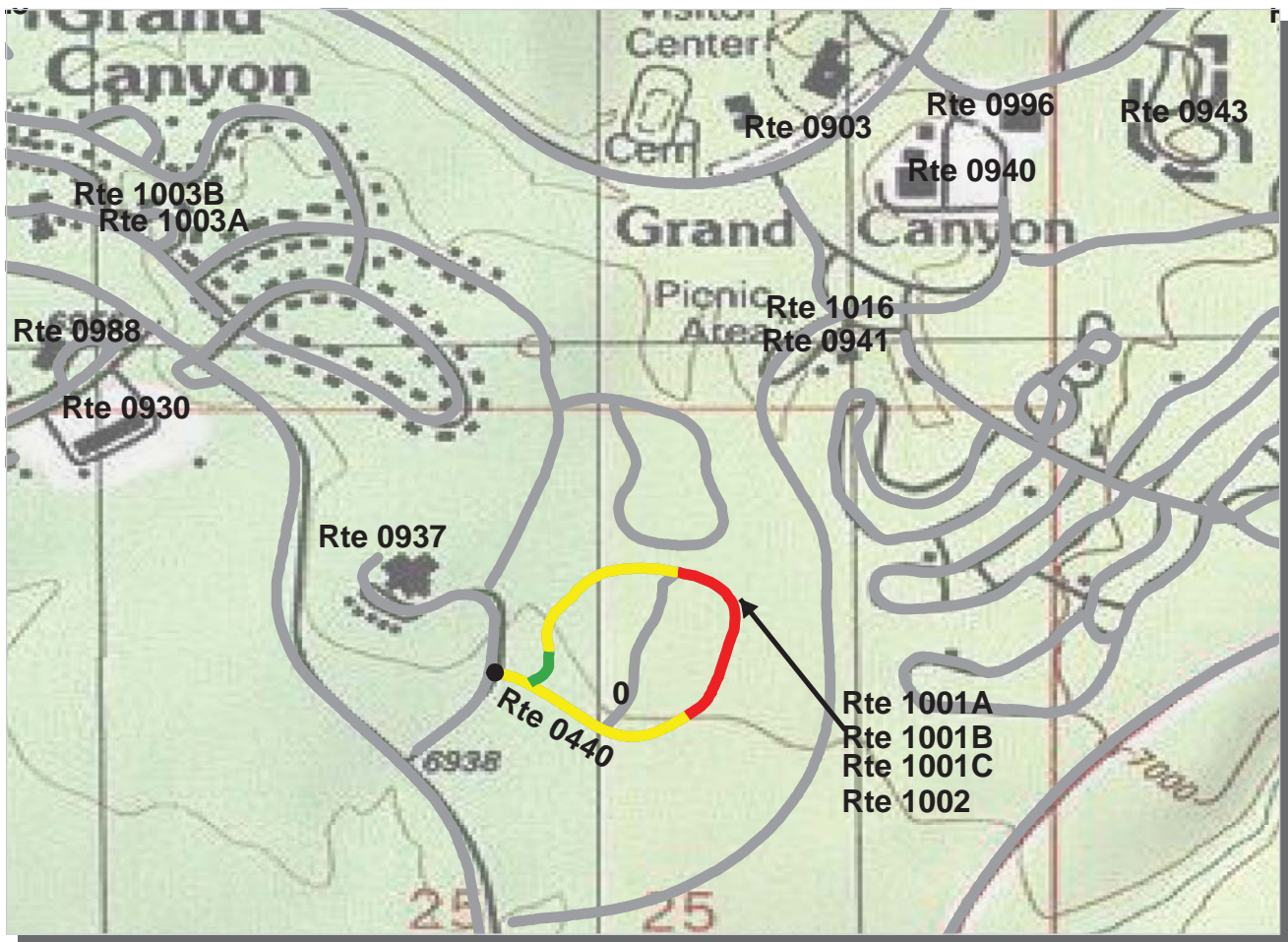
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0439 Ponderosa Street **TOTAL LENGTH: 0.04 Miles**

Section Number	0				
Section Length (mi)	0.04				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	74				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	74				
Alligator Cracking Index	100				
Rutting Index	83				
Patching Index	100				
Transverse Cracking Index	91				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0439 Ponderosa Street

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



Intermountain Region

GRCA : Grand Canyon National Park

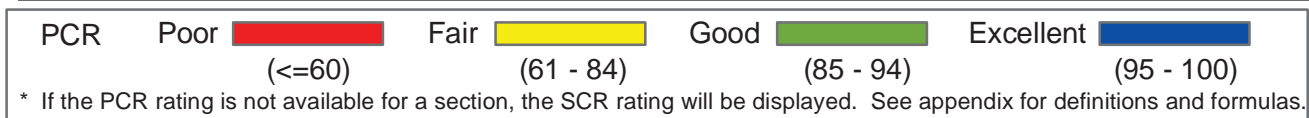
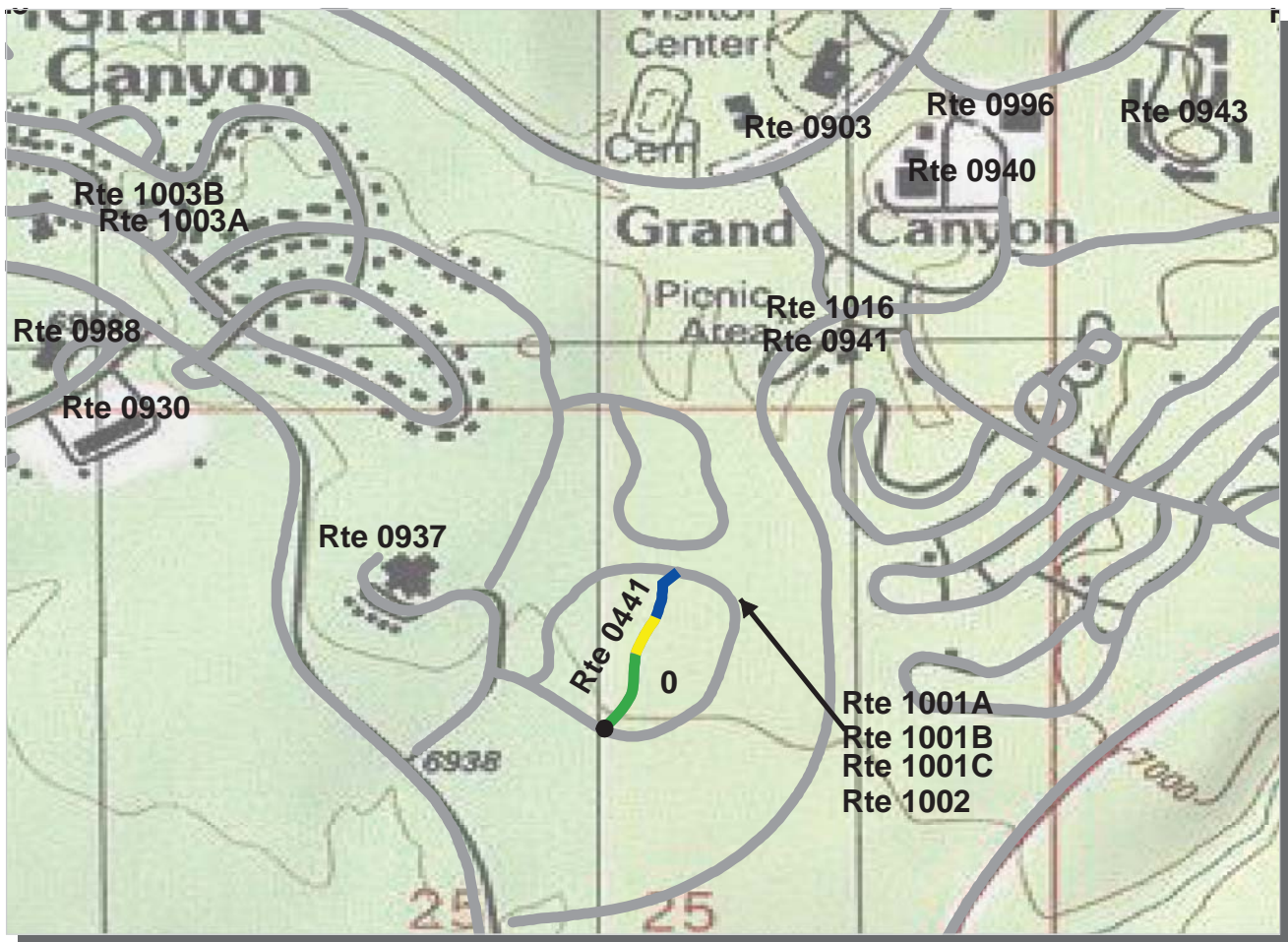
ROUTE: 0440 Randy Thompson Circle

TOTAL LENGTH: 0.57 Miles

Section Number	0				
Section Length (mi)	0.57				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	70				
RCI (Roughness Condition Index)	48				
SCR (Surface Condition Rating)	79				
Alligator Cracking Index	99				
Rutting Index	83				
Patching Index	98				
Transverse Cracking Index	99				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0440 Randy Thompson Circle

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



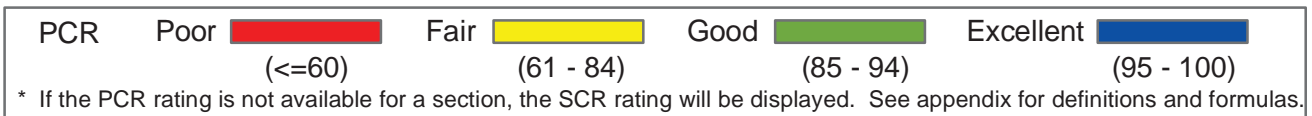
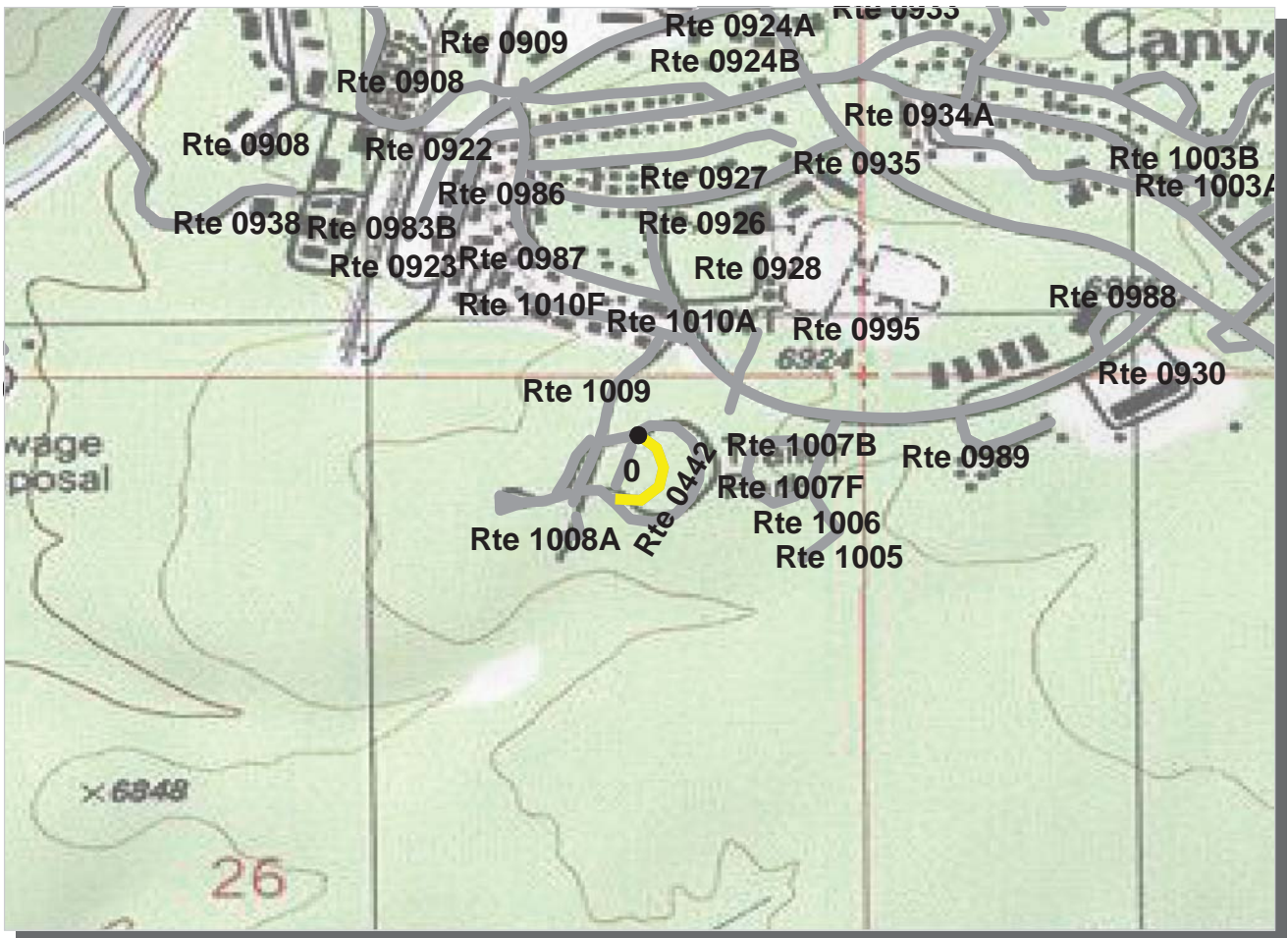
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0441 Bob Mann Street **TOTAL LENGTH: 0.17 Miles**

Section Number	0				
Section Length (mi)	0.17				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	89				
RCI (Roughness Condition Index)	68				
SCR (Surface Condition Rating)	93				
Alligator Cracking Index	100				
Rutting Index	93				
Patching Index	100				
Transverse Cracking Index	100				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0441 Bob Mann Street

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



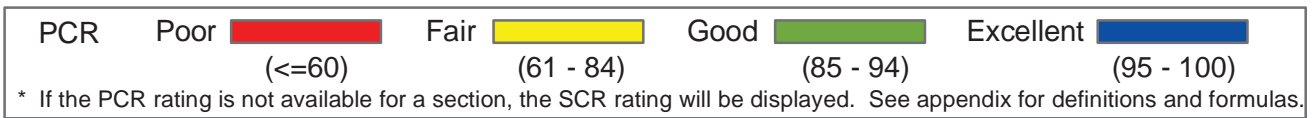
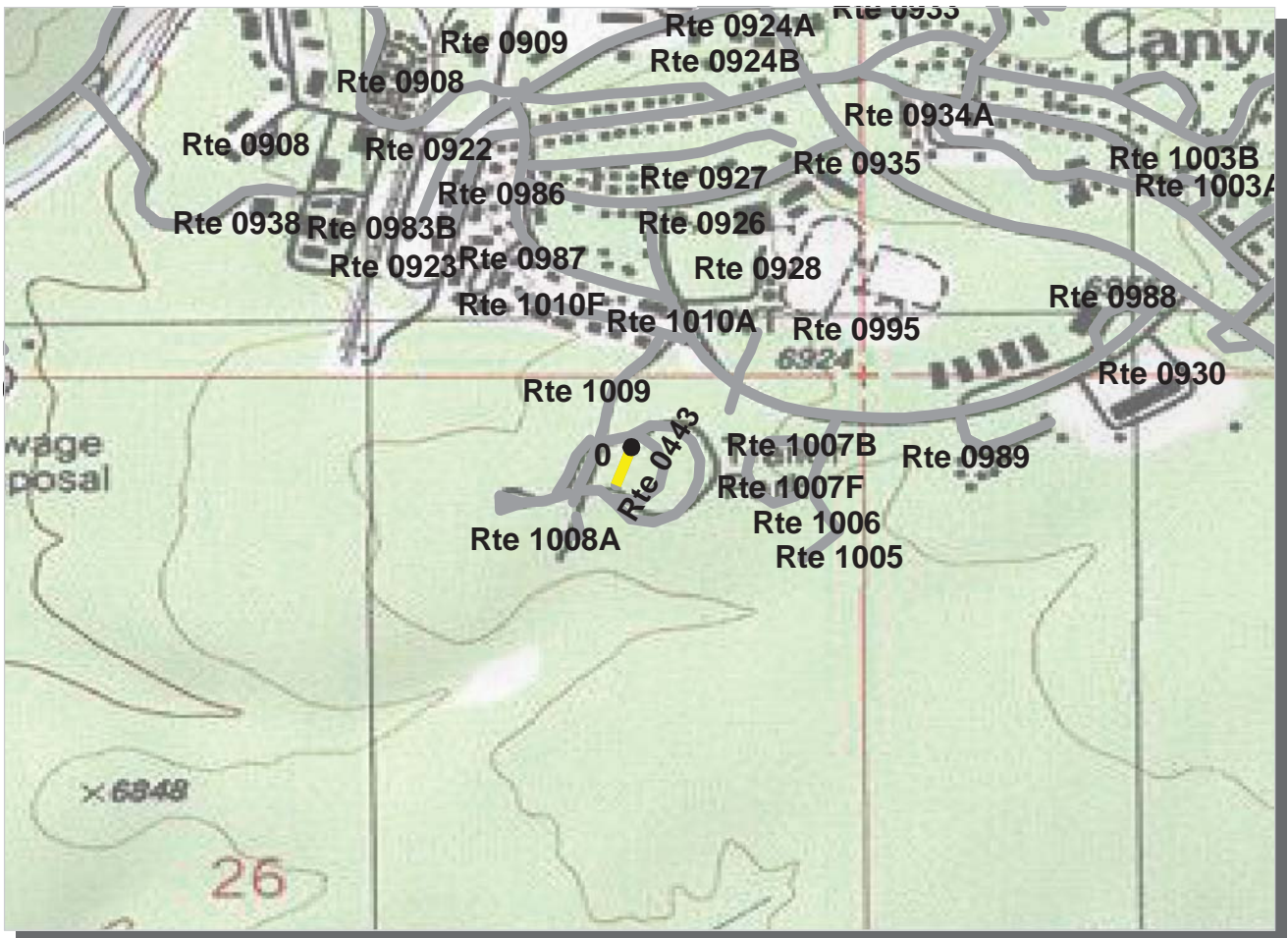
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0442 Moran Avenue **TOTAL LENGTH: 0.11 Miles**

Section Number	0				
Section Length (mi)	0.11				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	67				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	67				
Alligator Cracking Index	94				
Rutting Index	76				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	96				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0442 Moran Avenue

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



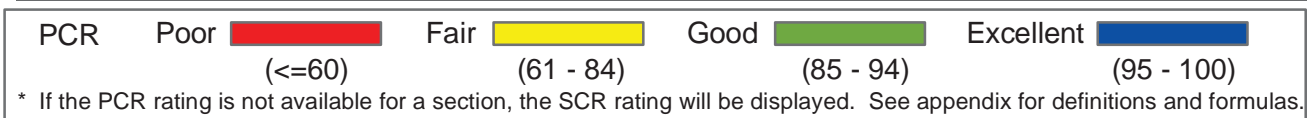
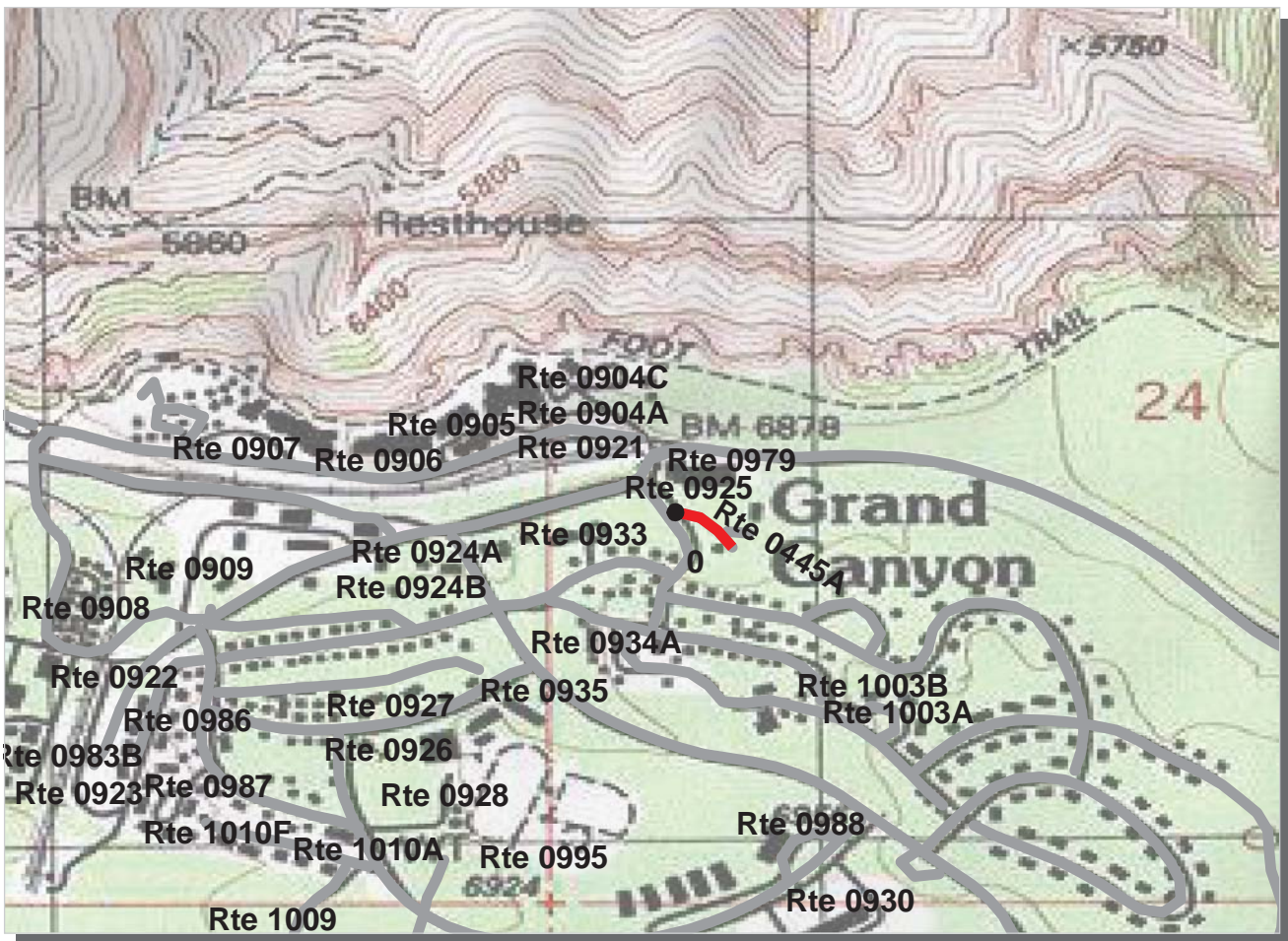
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0443 Lipan Street **TOTAL LENGTH: 0.06 Miles**

Section Number	0				
Section Length (mi)	0.06				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	54				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	54				
Alligator Cracking Index	69				
Rutting Index	80				
Patching Index	100				
Transverse Cracking Index	96				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0443 Lipan Street

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



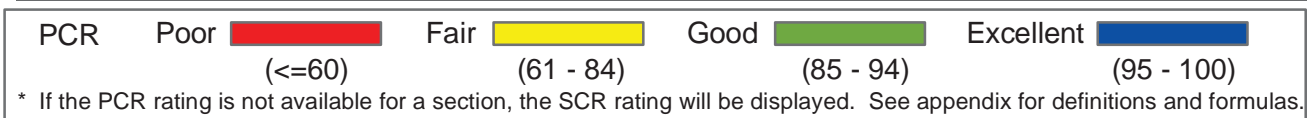
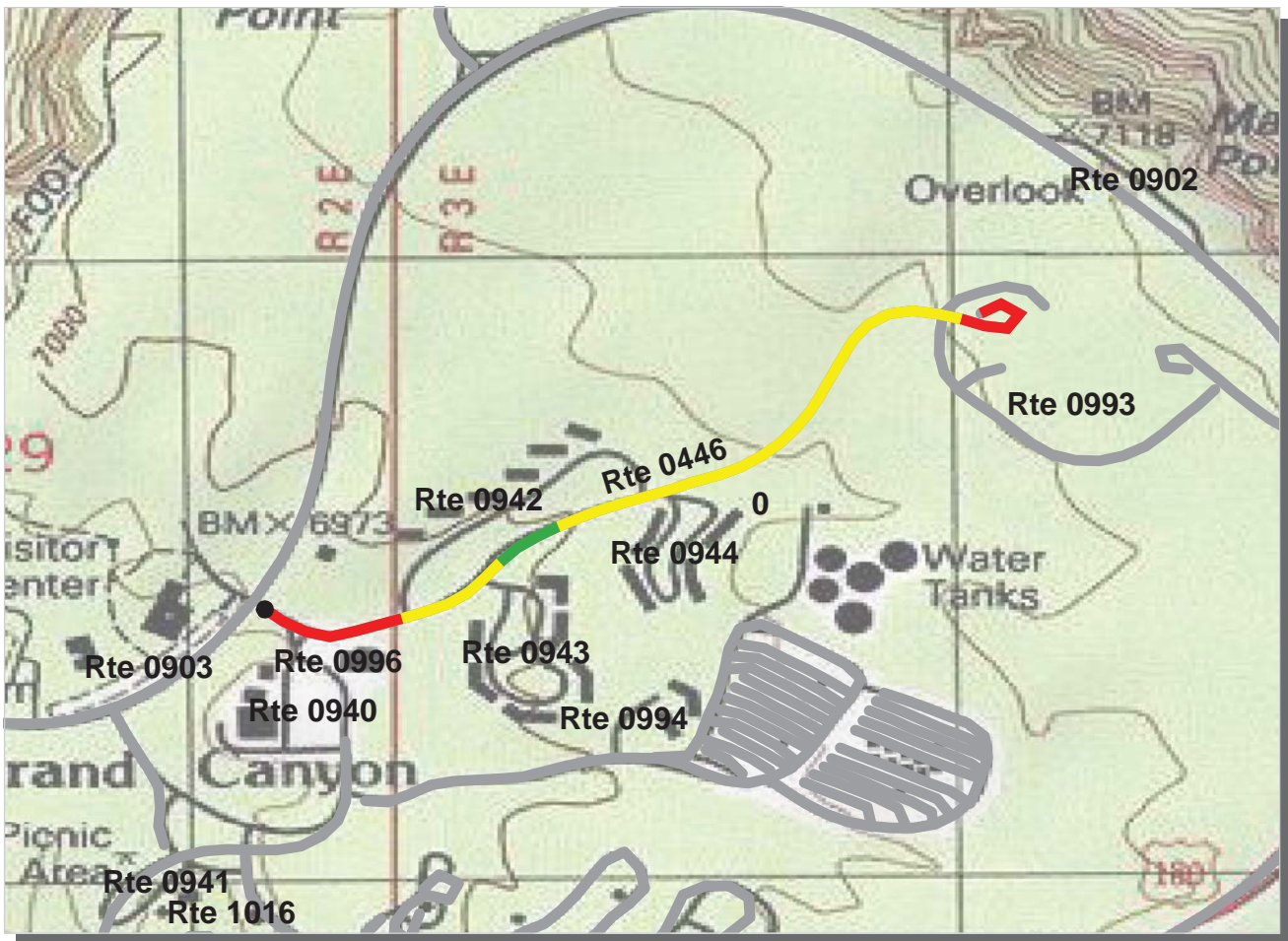
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0445A Navajo Residence Road **TOTAL LENGTH: 0.07 Miles**

Section Number	0			
Section Length (mi)	0.07			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	11			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	34			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	34			
Alligator Cracking Index	97			
Rutting Index	37			
Patching Index	100			
Transverse Cracking Index	99			
Longitudinal Cracking Index	99			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0445A Navajo Residence Road

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



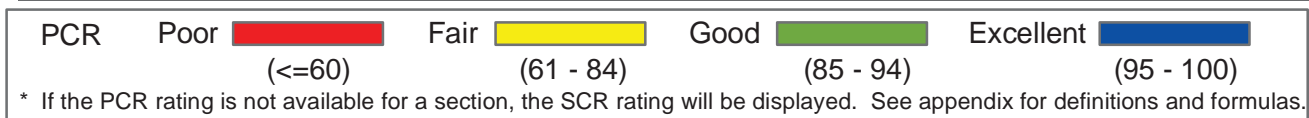
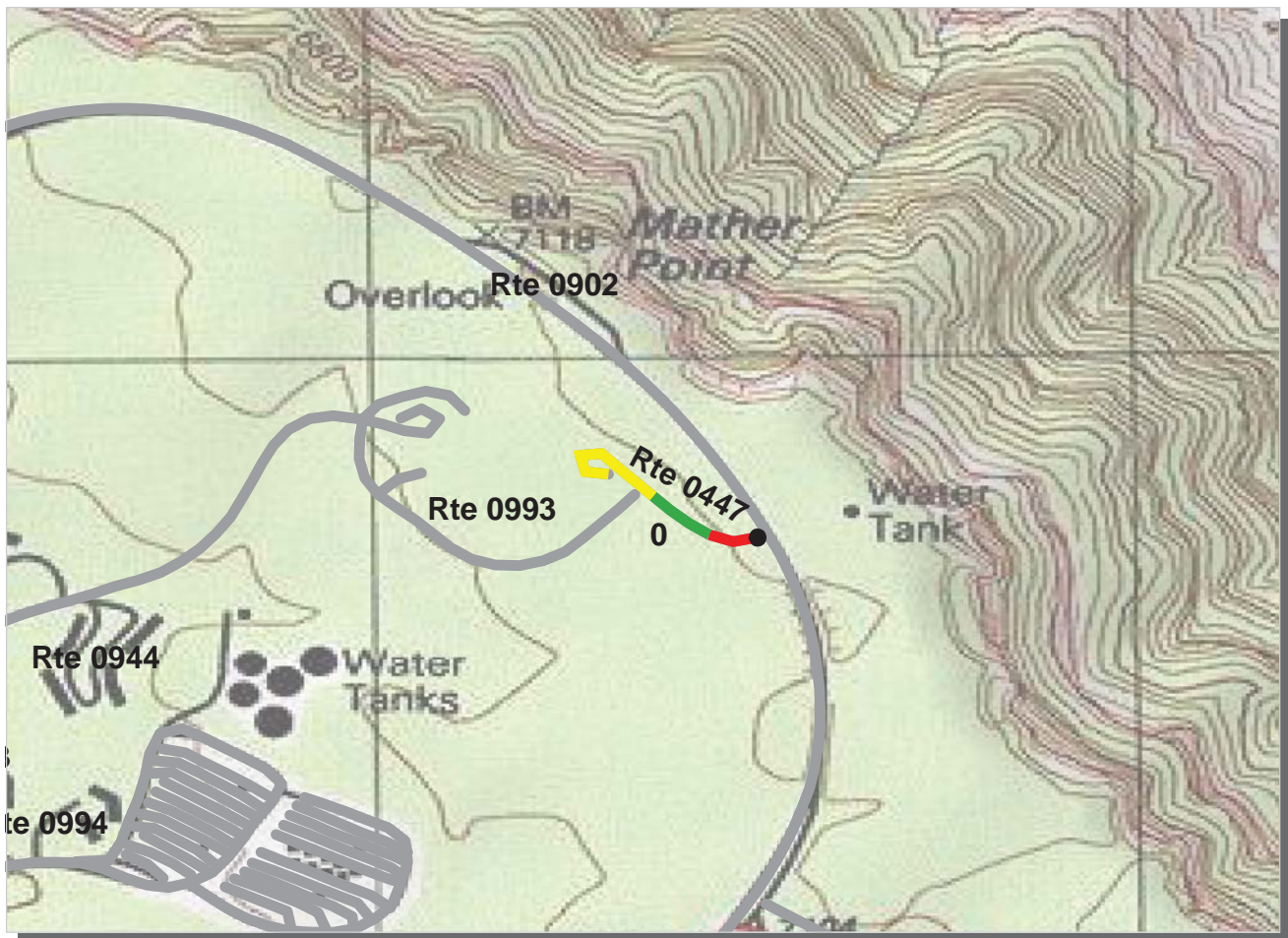
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0446 West Shuttle Access Road **TOTAL LENGTH: 0.82 Miles**

Section Number	0				
Section Length (mi)	0.82				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	26				
Lane Width (ft)	13				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	70				
RCI (Roughness Condition Index)	99				
SCR (Surface Condition Rating)	61				
Alligator Cracking Index	97				
Rutting Index	62				
Patching Index	99				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0446 West Shuttle 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>



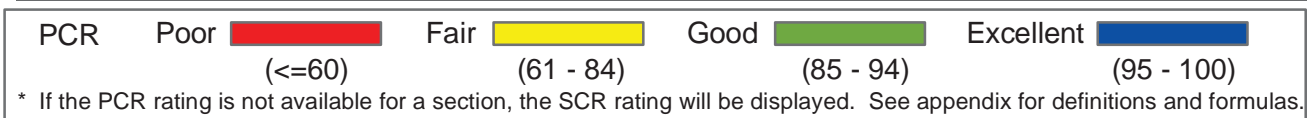
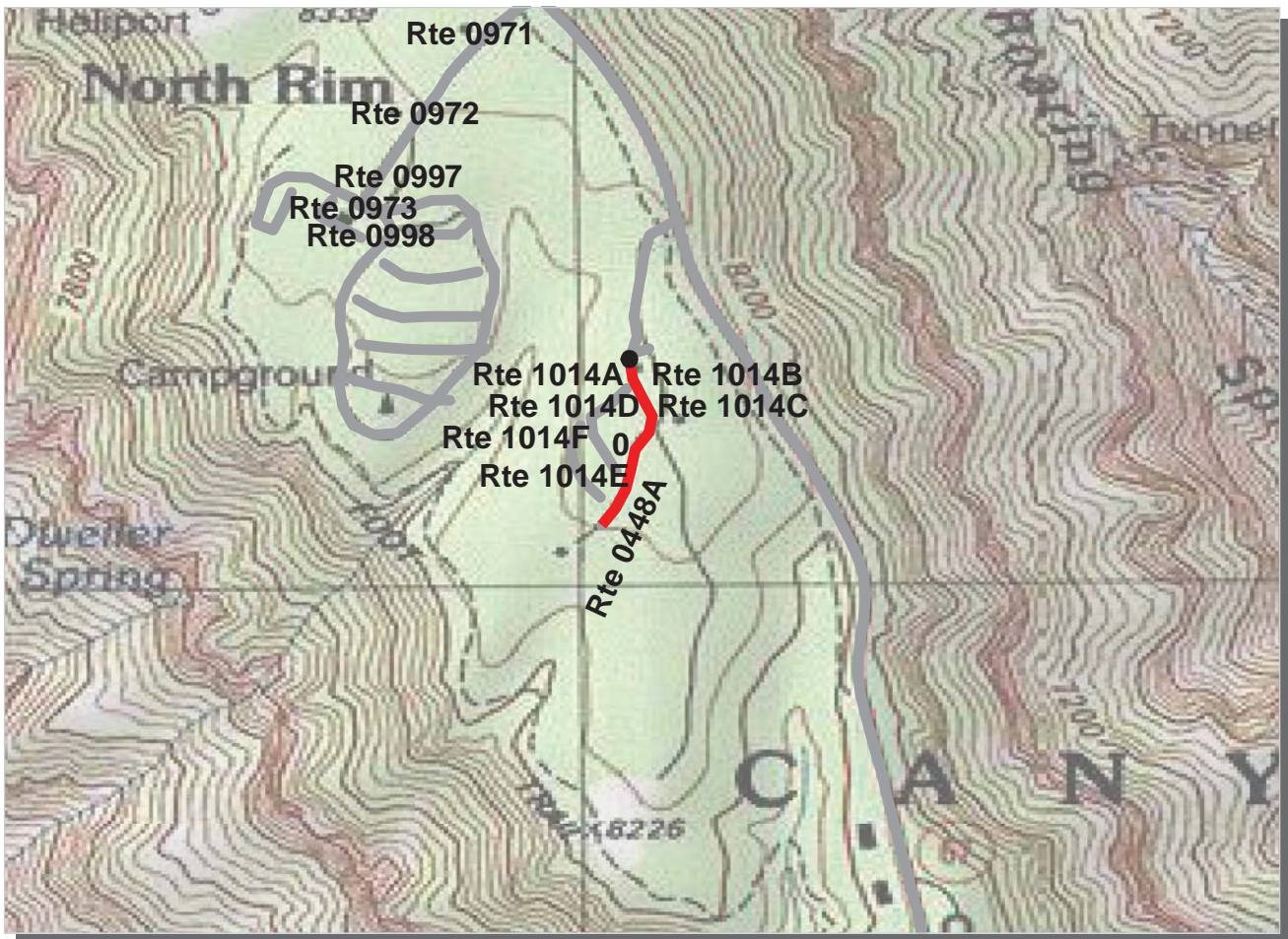
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0447 East Shuttle Access Road **TOTAL LENGTH: 0.24 Miles**

Section Number	0				
Section Length (mi)	0.24				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	30				
Lane Width (ft)	13				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	67				
RCI (Roughness Condition Index)	80				
SCR (Surface Condition Rating)	66				
Alligator Cracking Index	100				
Rutting Index	67				
Patching Index	99				
Transverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0447 East Shuttle 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>



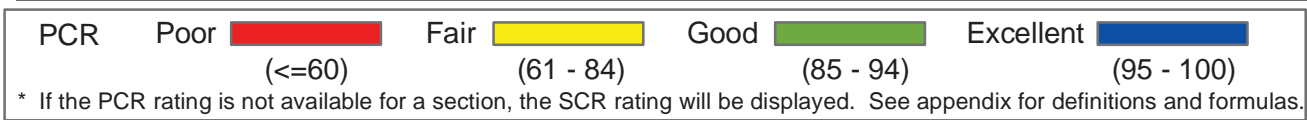
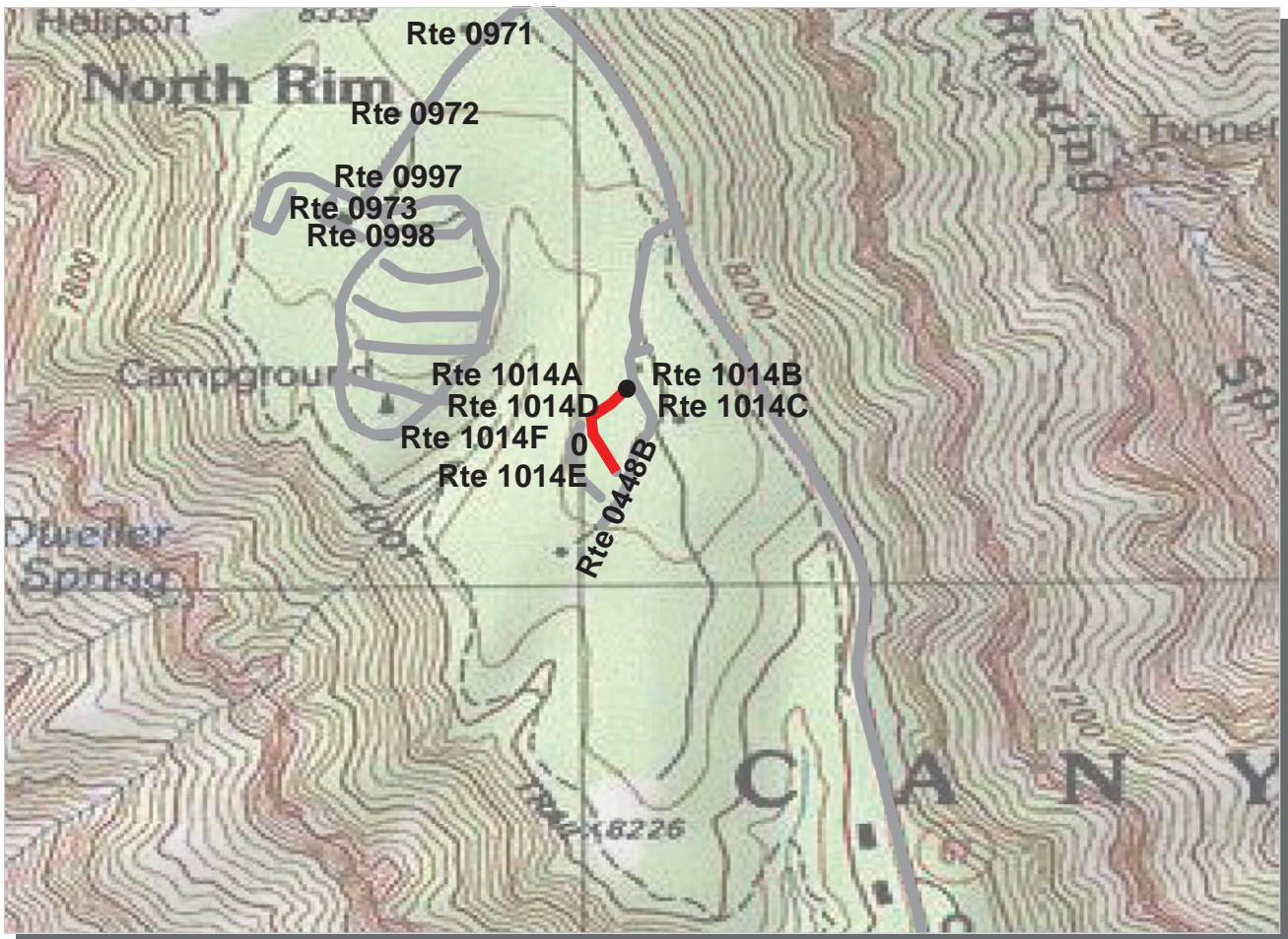
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0448A Employee Dining Room/Mule Concessionaire Road TOTAL LENGTH: 0.20 Miles

Section Number	0				
Section Length (mi)	0.20				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	21				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	21				
Alligator Cracking Index	95				
Rutting Index	34				
Patching Index	98				
Transverse Cracking Index	97				
Longitudinal Cracking Index	95				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0448A Employee Dining Room/Mule Concessionaire Road

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



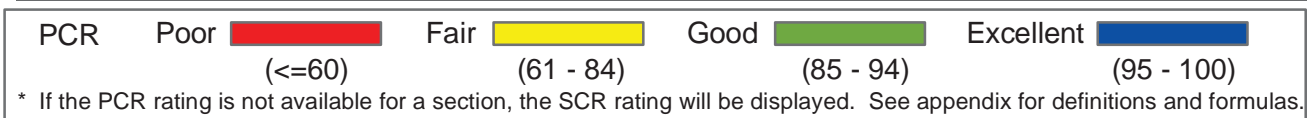
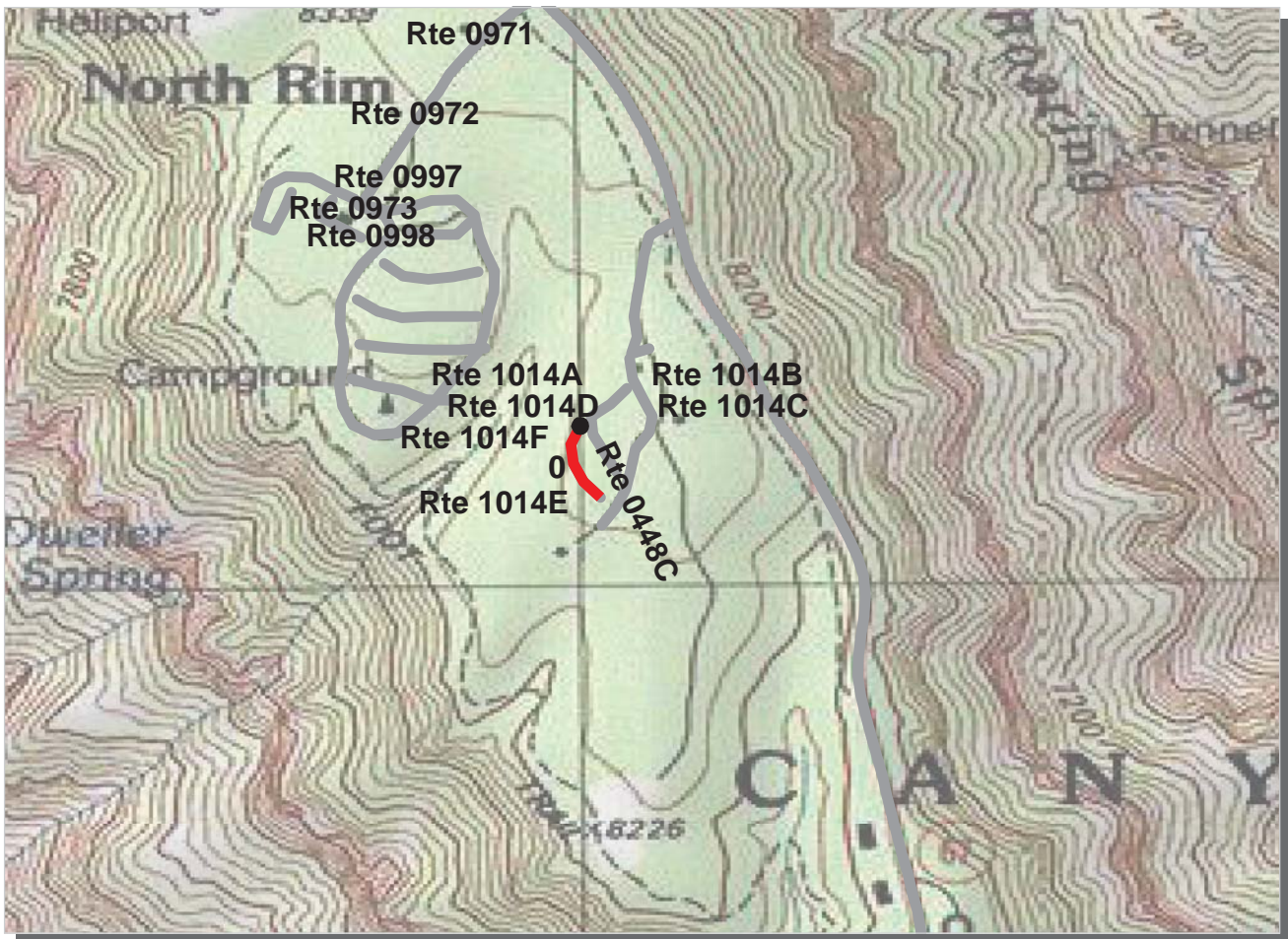
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0448B Concessionaire Residence Road **TOTAL LENGTH: 0.12 Miles**

Section Number	0			
Section Length (mi)	0.12			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	21			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	13			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	13			
Alligator Cracking Index	99			
Rutting Index	22			
Patching Index	99			
Transverse Cracking Index	96			
Longitudinal Cracking Index	93			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0448B Concessionaire Residence Road

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



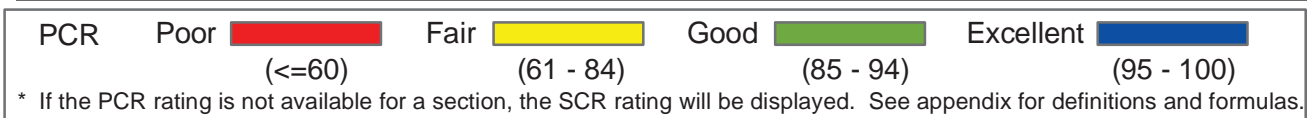
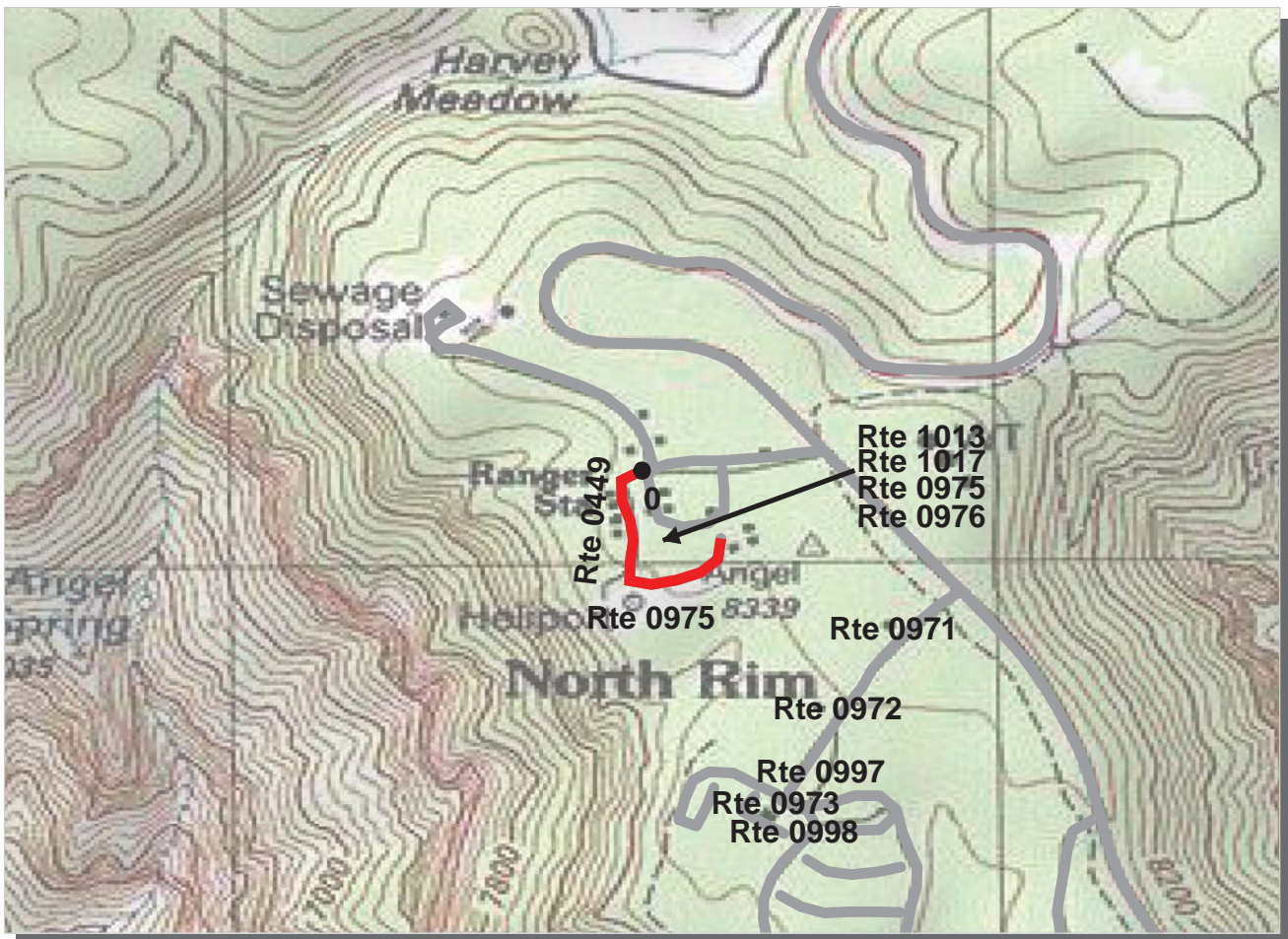
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0448C Rv Concessionaire Residence Road **TOTAL LENGTH: 0.10 Miles**

Section Number	0			
Section Length (mi)	0.10			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	11			
Lane Width (ft)	11			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	3			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	3			
Alligator Cracking Index	94			
Rutting Index	7			
Patching Index	96			
Transverse Cracking Index	98			
Longitudinal Cracking Index	94			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0448C Rv Concessionaire Residence Road

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



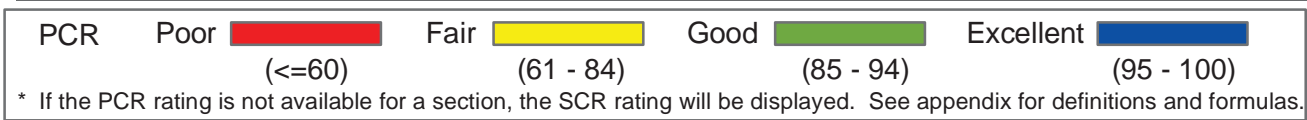
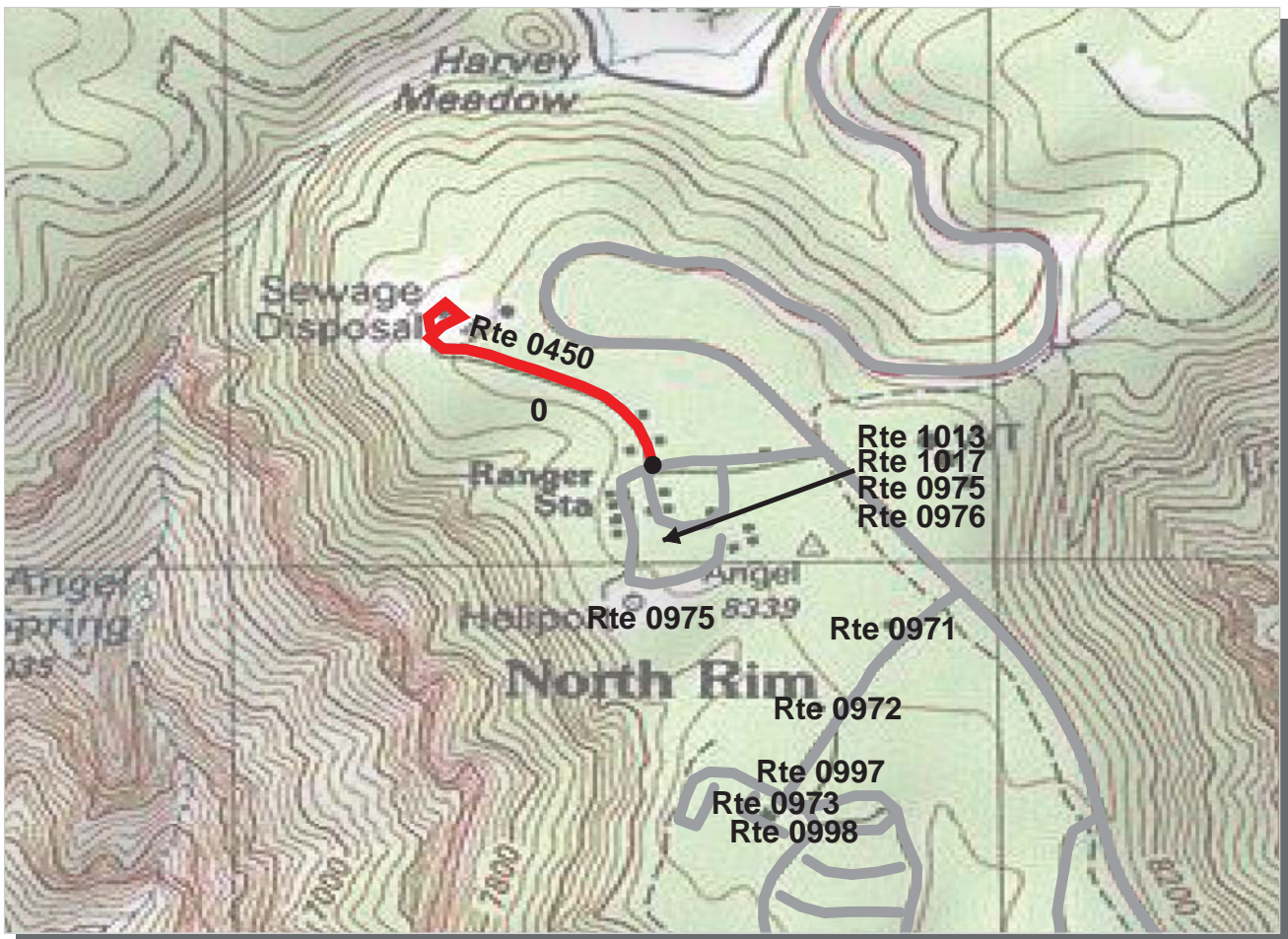
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0449 North Rim Residence Loop **TOTAL LENGTH: 0.24 Miles**

Section Number	0			
Section Length (mi)	0.24			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	1			
Paved Width (ft)	14			
Lane Width (ft)	14			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	43			
RCI (Roughness Condition Index)	NC			
SCR (Surface Condition Rating)	43			
Alligator Cracking Index	97			
Rutting Index	48			
Patching Index	99			
Transverse Cracking Index	98			
Longitudinal Cracking Index	98			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0449 North Rim Residence Loop

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



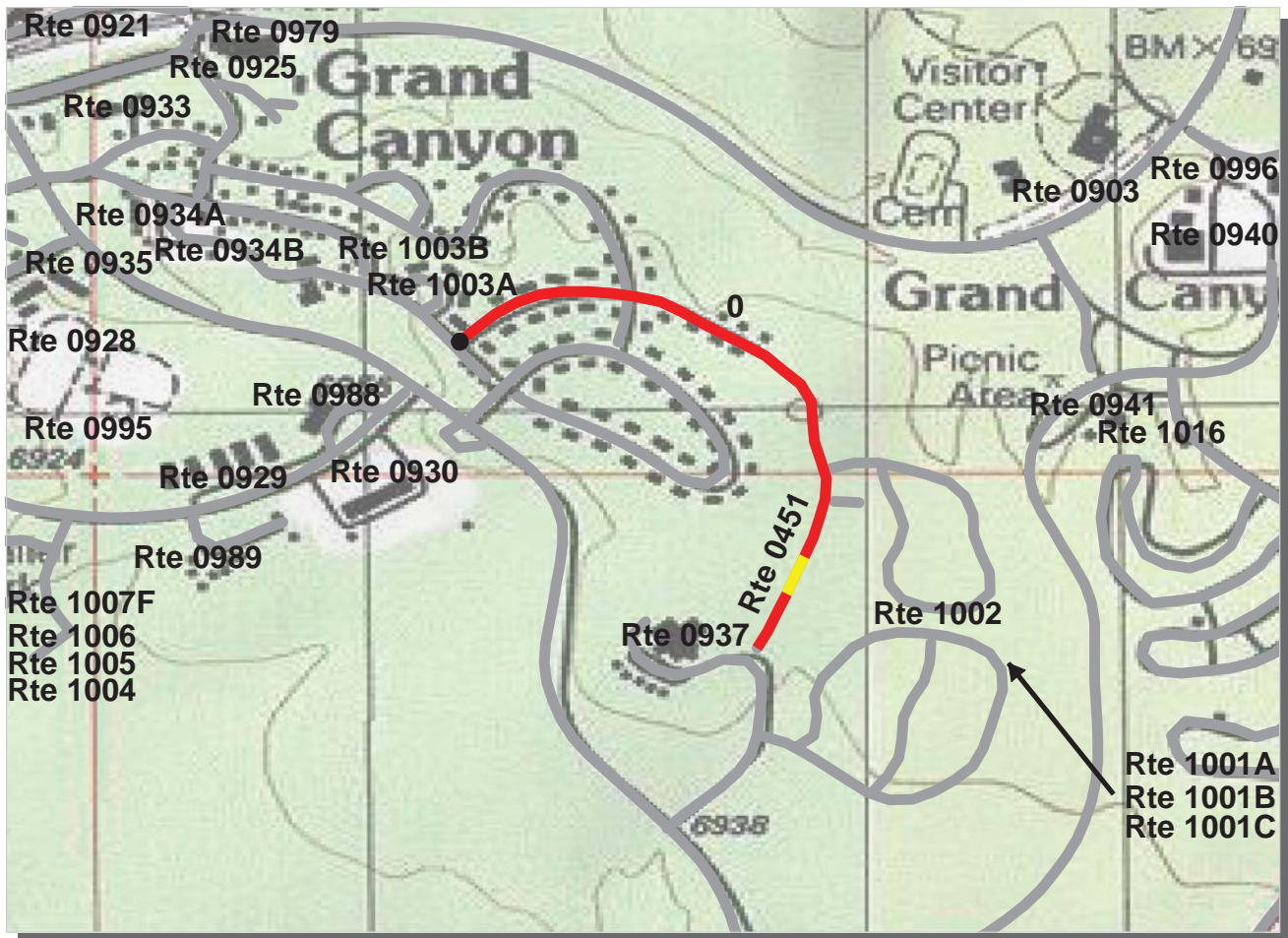
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0450 Wastewater Plant/Helipad Road **TOTAL LENGTH: 0.35 Miles**

Section Number	0				
Section Length (mi)	0.35				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	9				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	16				
RCI (Roughness Condition Index)	42				
SCR (Surface Condition Rating)	15				
Alligator Cracking Index	83				
Rutting Index	35				
Patching Index	98				
Transverse Cracking Index	94				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0450 Wastewater Plant/Helipad Road

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



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

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

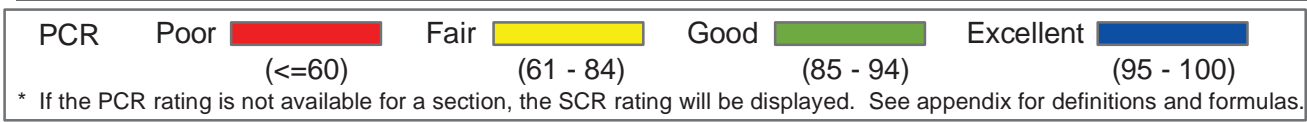
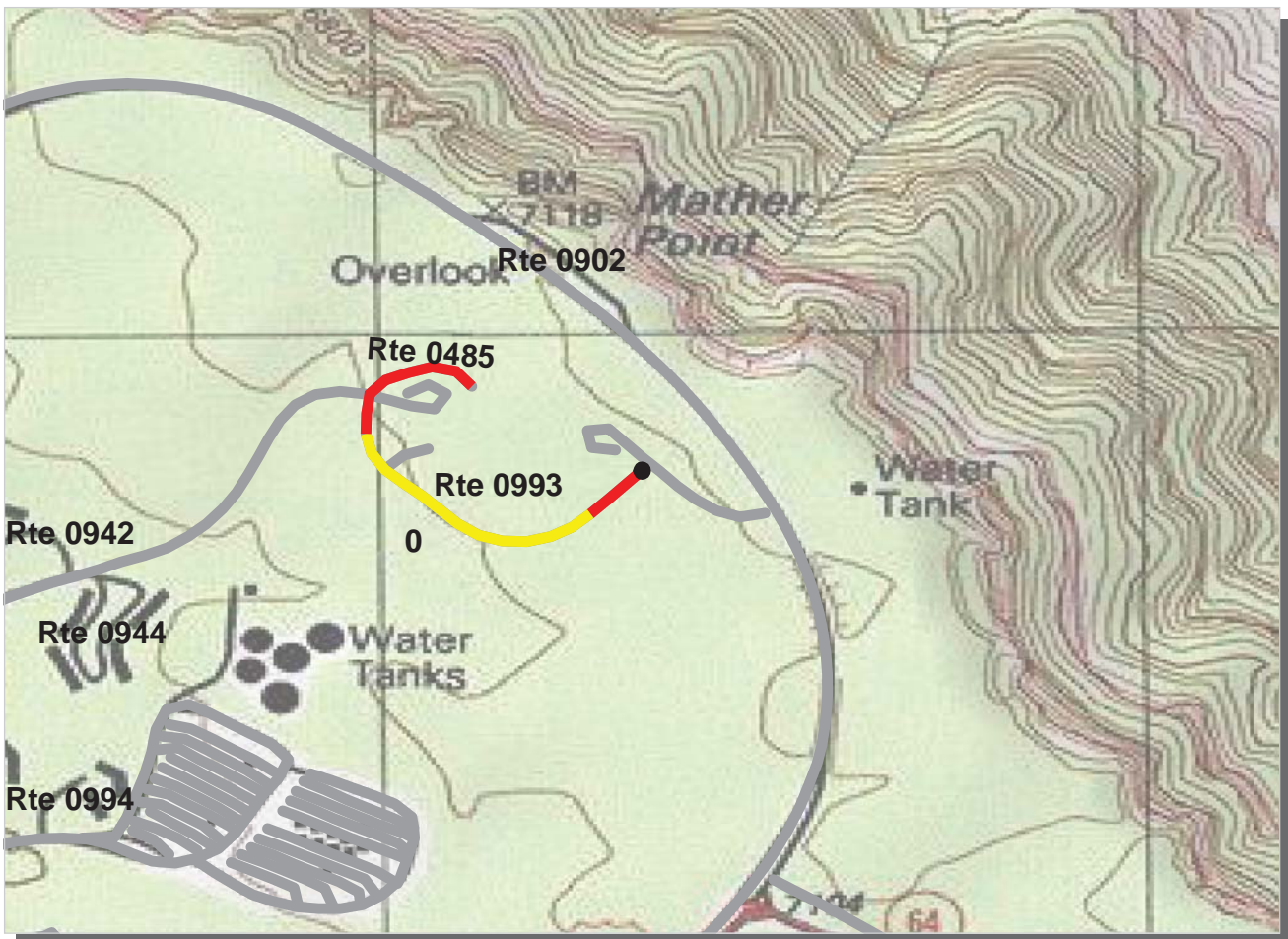
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0451 Havasupai Road **TOTAL LENGTH: 0.62 Miles**

Section Number	0			
Section Length (mi)	0.62			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	20			
Lane Width (ft)	10			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	27			
RCI (Roughness Condition Index)	40			
SCR (Surface Condition Rating)	26			
Alligator Cracking Index	57			
Rutting Index	58			
Patching Index	99			
Transverse Cracking Index	95			
Longitudinal Cracking Index	97			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0451 Havasupai Road

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



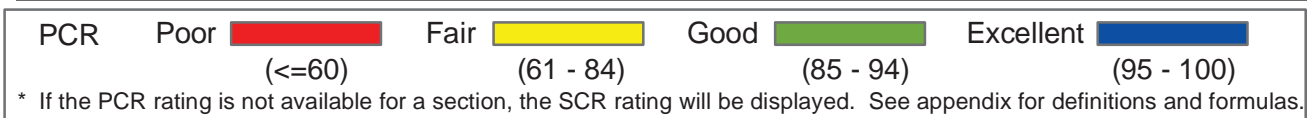
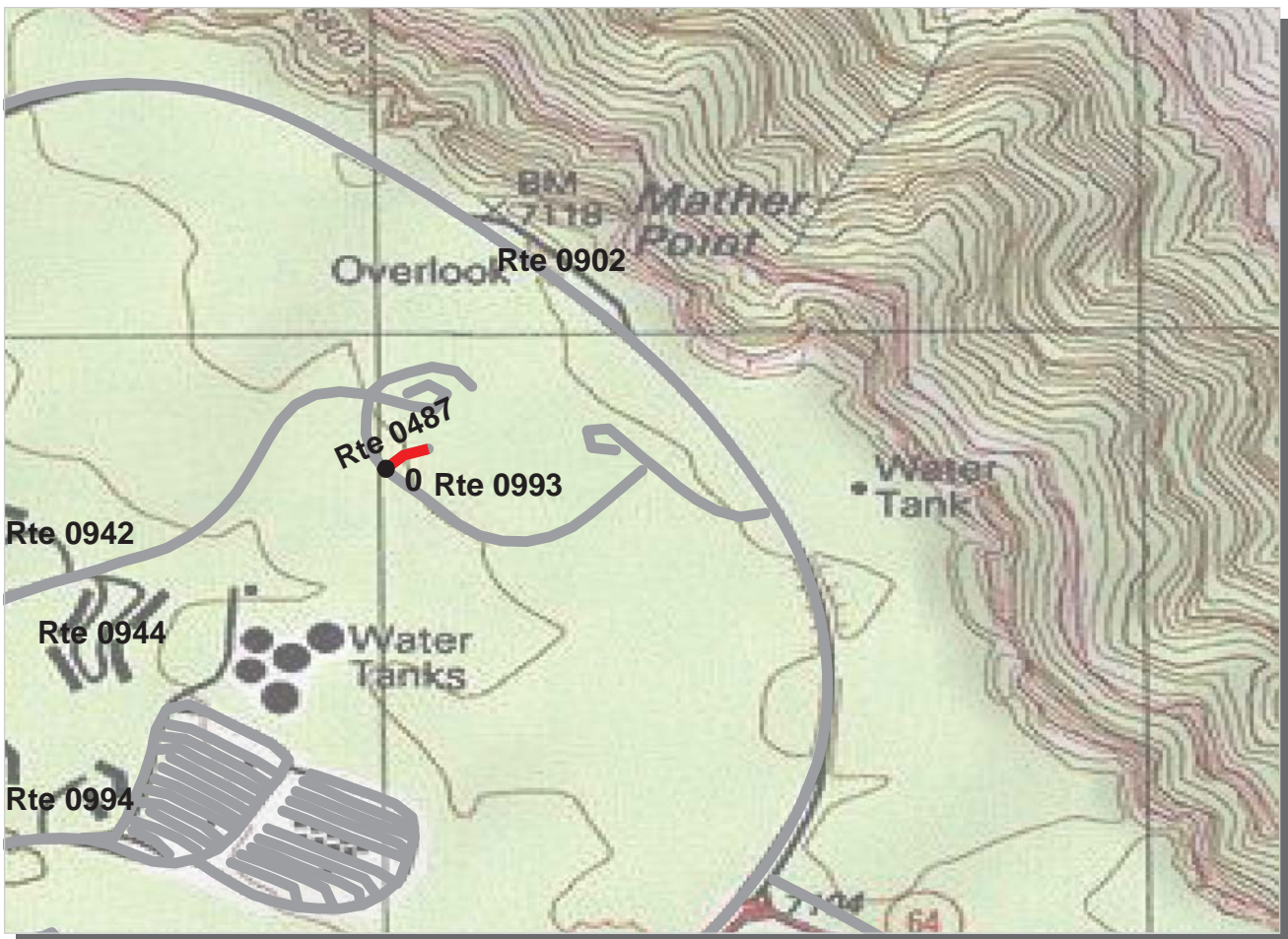
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0485 Employee Service Road **TOTAL LENGTH: 0.46 Miles**

Section Number	0				
Section Length (mi)	0.46				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	13				
Shoulder Width (ft)	2				
Roadway Condition Information					
PCR (Pavement Condition Rating)	61				
RCI (Roughness Condition Index)	100				
SCR (Surface Condition Rating)	51				
Alligator Cracking Index	100				
Rutting Index	51				
Patching Index	100				
Transverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0485 Employee 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>



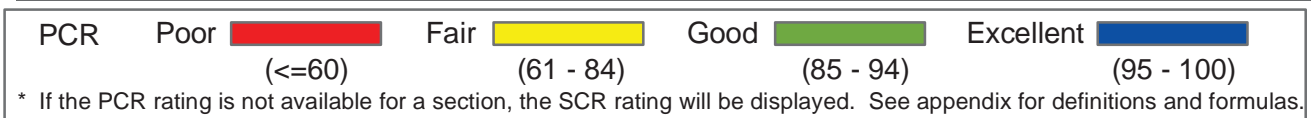
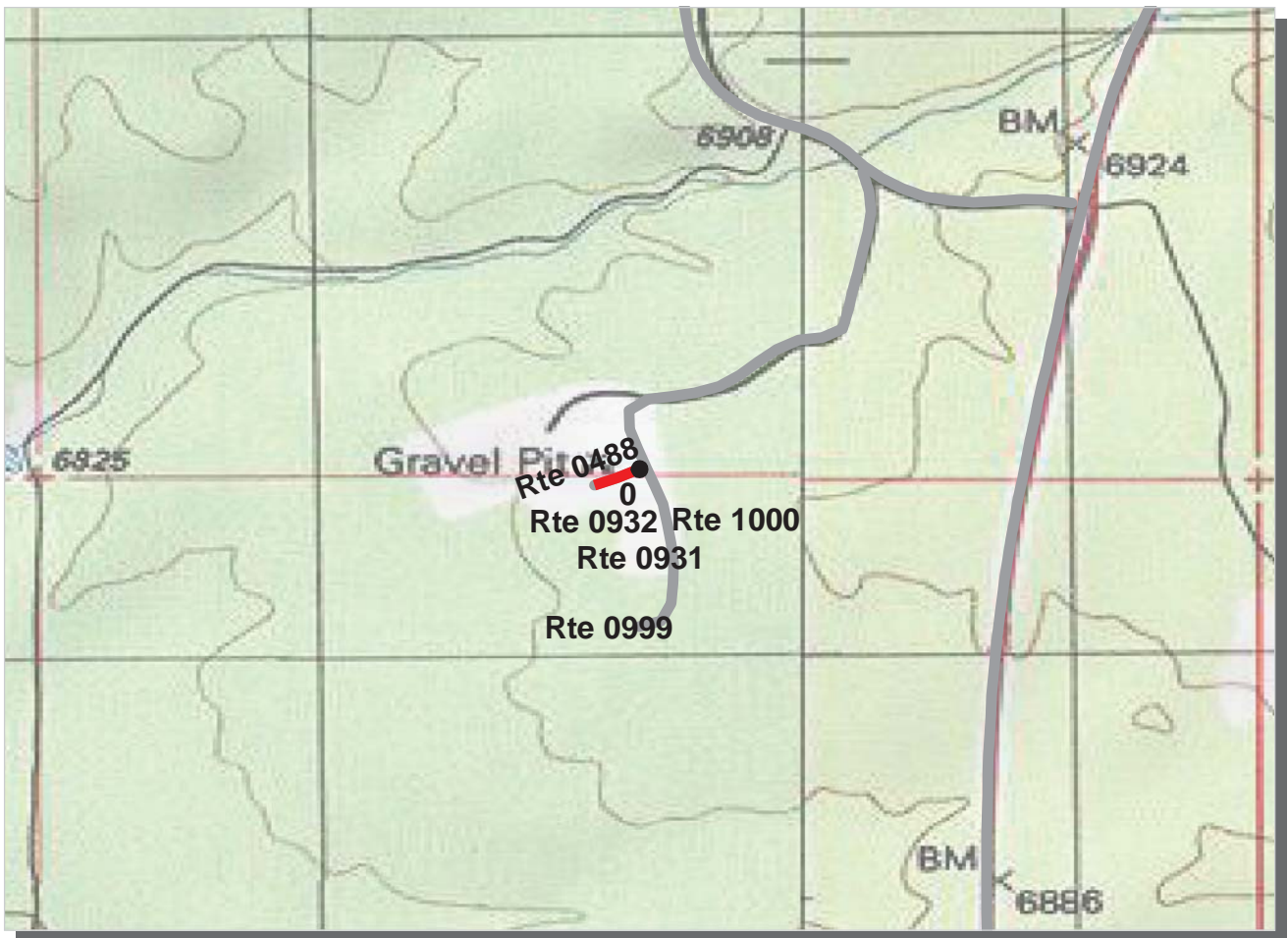
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0487 Employee Access Road **TOTAL LENGTH: 0.06 Miles**

Section Number	0				
Section Length (mi)	0.06				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	53				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	53				
Alligator Cracking Index	100				
Rutting Index	53				
Patching Index	100				
Transverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0487 Employee 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>



Intermountain Region
GRCA : Grand Canyon National Park

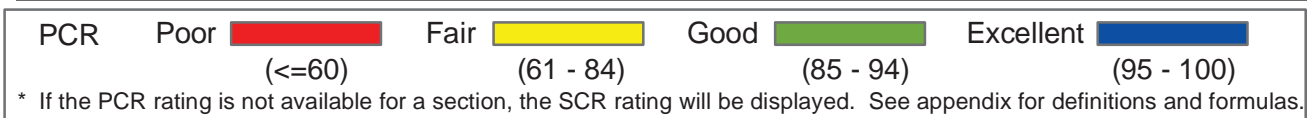
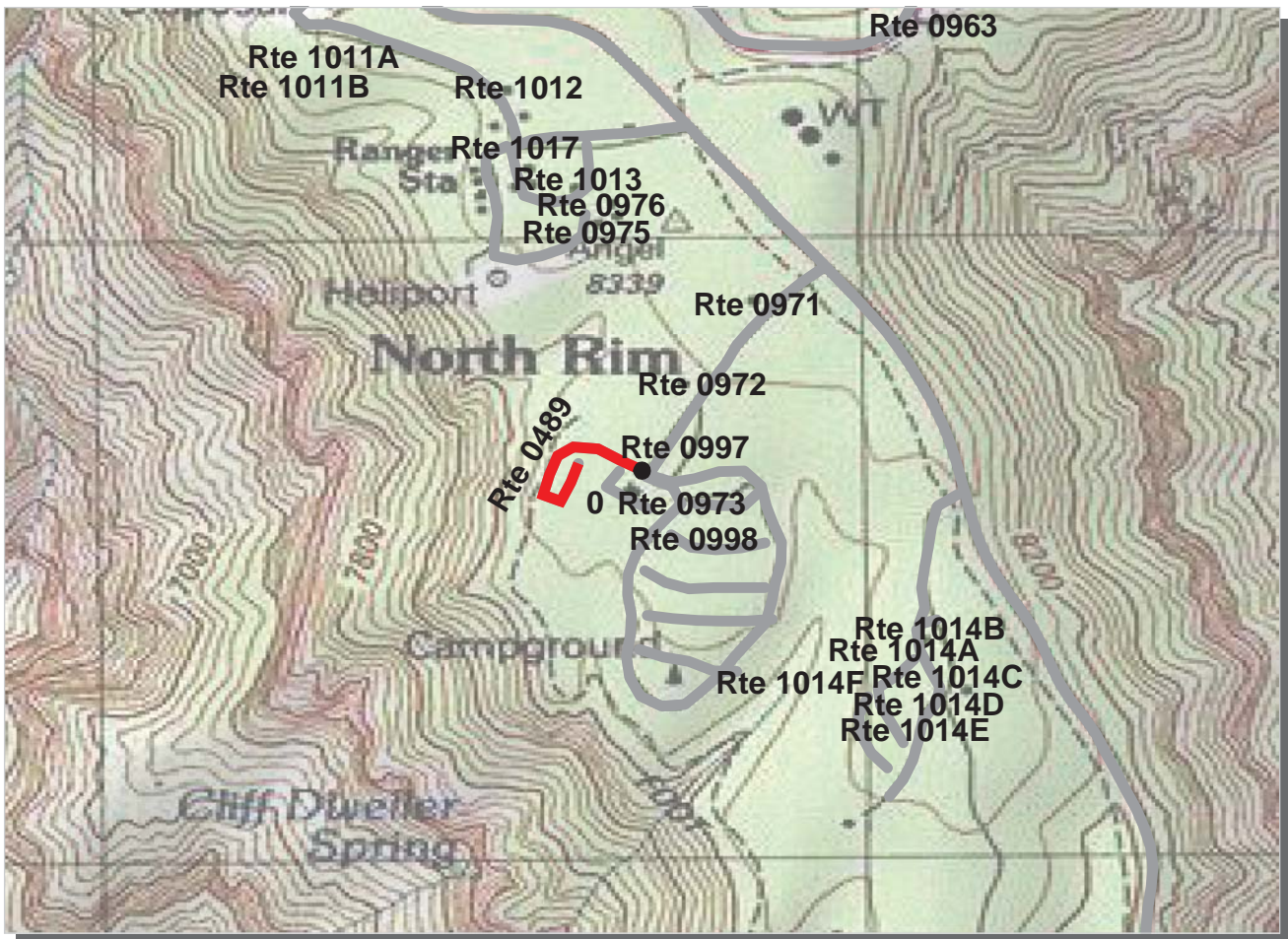
ROUTE: 0488 Fire Station Access Road **TOTAL LENGTH: 0.05 Miles**

Section Number	0				
Section Length (mi)	0.05				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	30				
Lane Width (ft)	15				
Shoulder Width (ft)	1				
Roadway Condition Information					
PCR (Pavement Condition Rating)	55				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	55				
Alligator Cracking Index	100				
Rutting Index	55				
Patching Index	100				
Transverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0488 Fire Station 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>



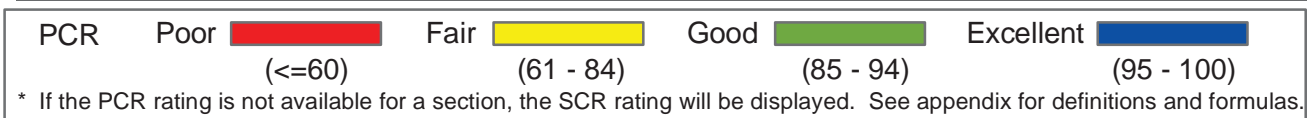
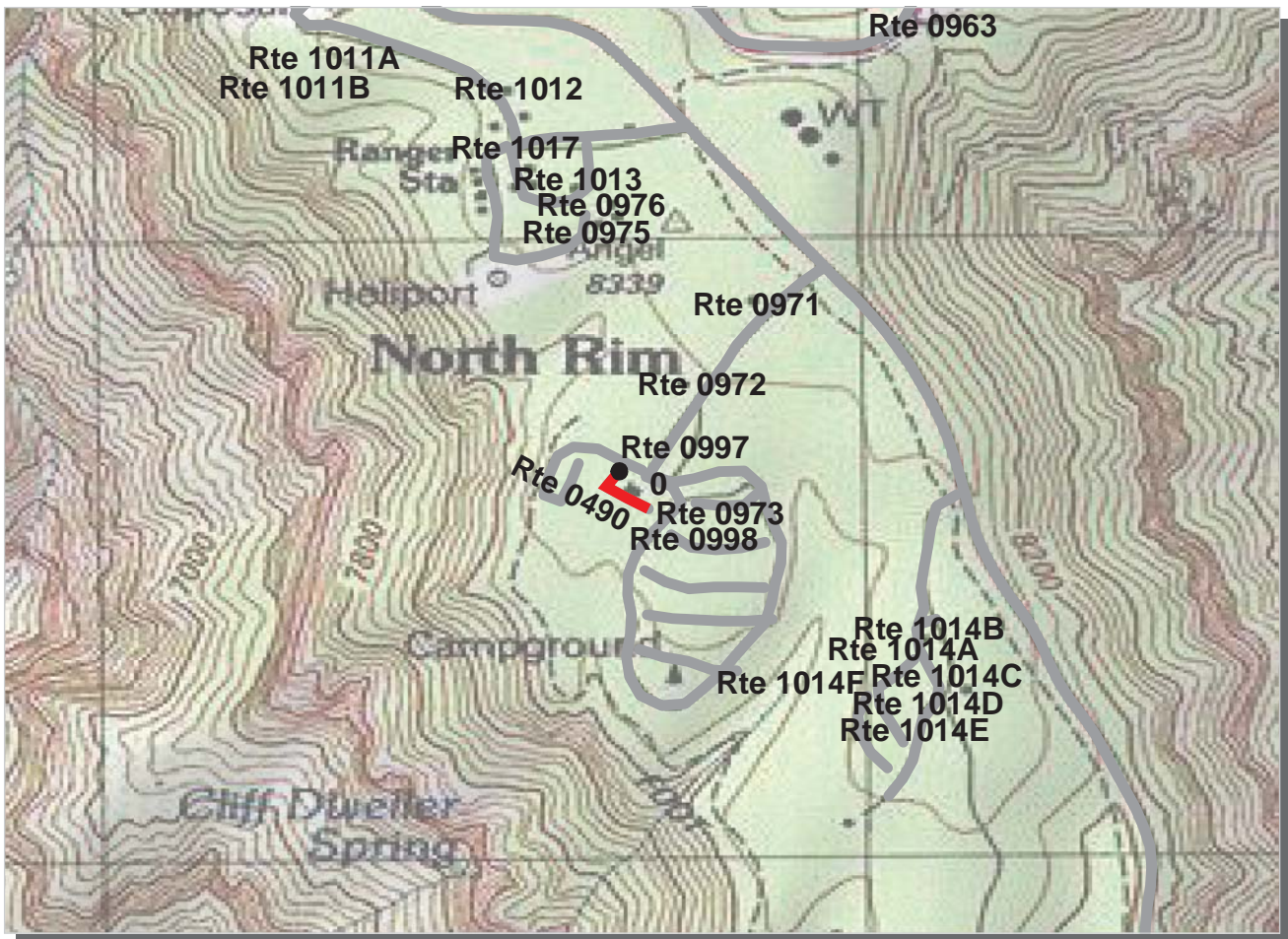
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0489 Inn Cabin Loop **TOTAL LENGTH: 0.20 Miles**

Section Number	0				
Section Length (mi)	0.20				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	9				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	3				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	3				
Alligator Cracking Index	85				
Rutting Index	10				
Patching Index	99				
Transverse Cracking Index	99				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0489 Inn Cabin Loop

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



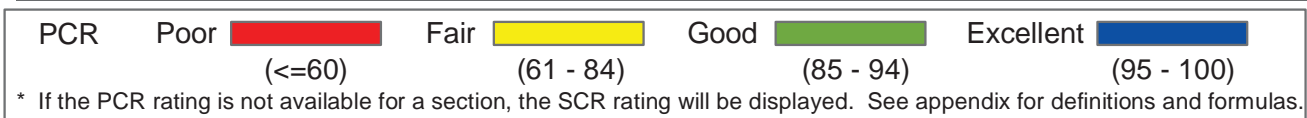
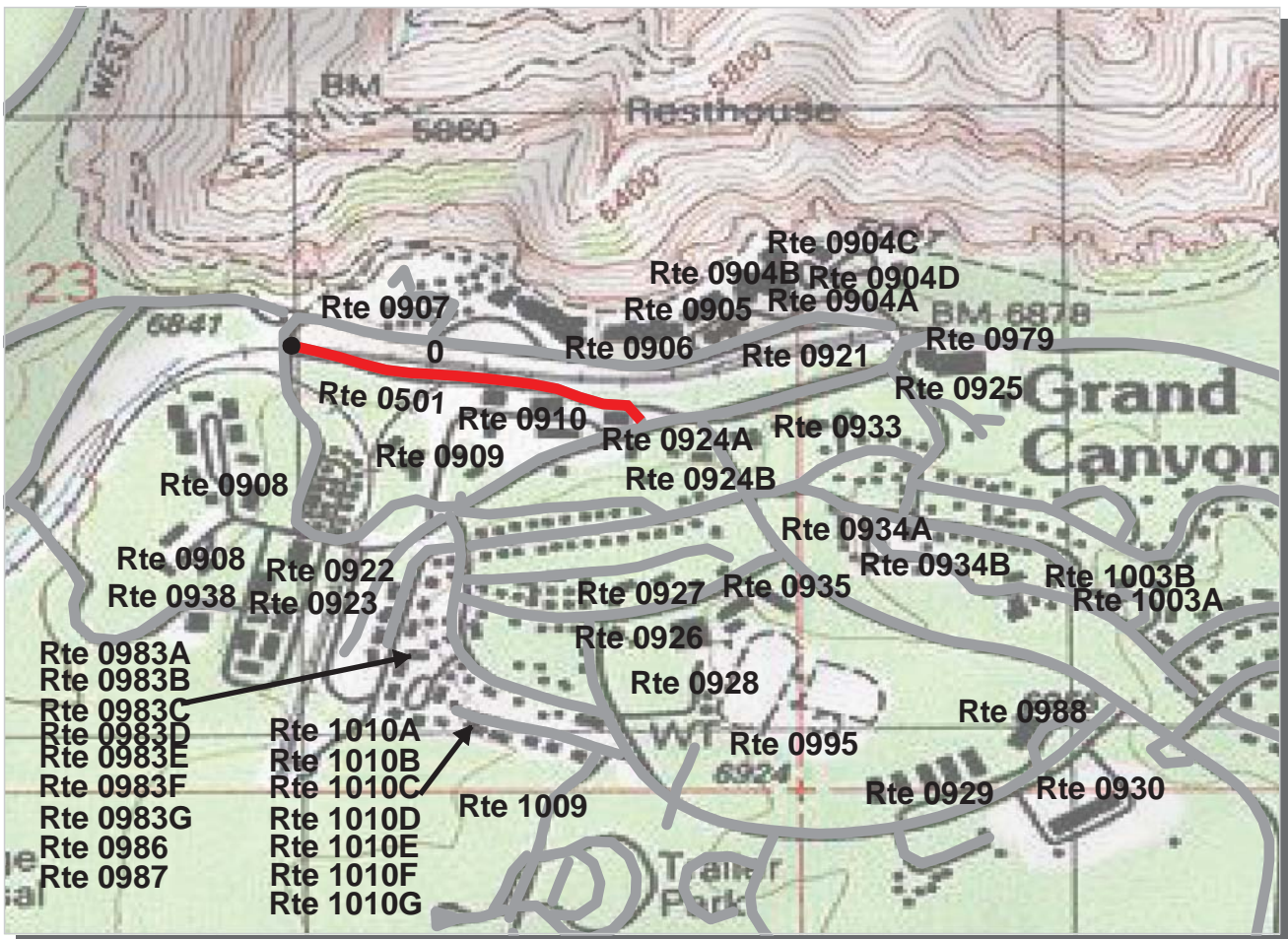
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0490 Campground Store/ Concession Access Road **TOTAL LENGTH: 0.07 Miles**

Section Number	0				
Section Length (mi)	0.07				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	15				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	15				
Alligator Cracking Index	83				
Rutting Index	29				
Patching Index	99				
Transverse Cracking Index	95				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0490 Campground Store/ Concession 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>



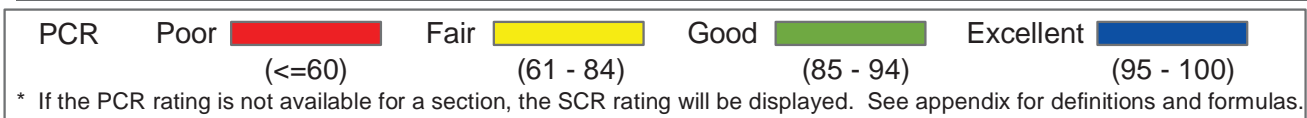
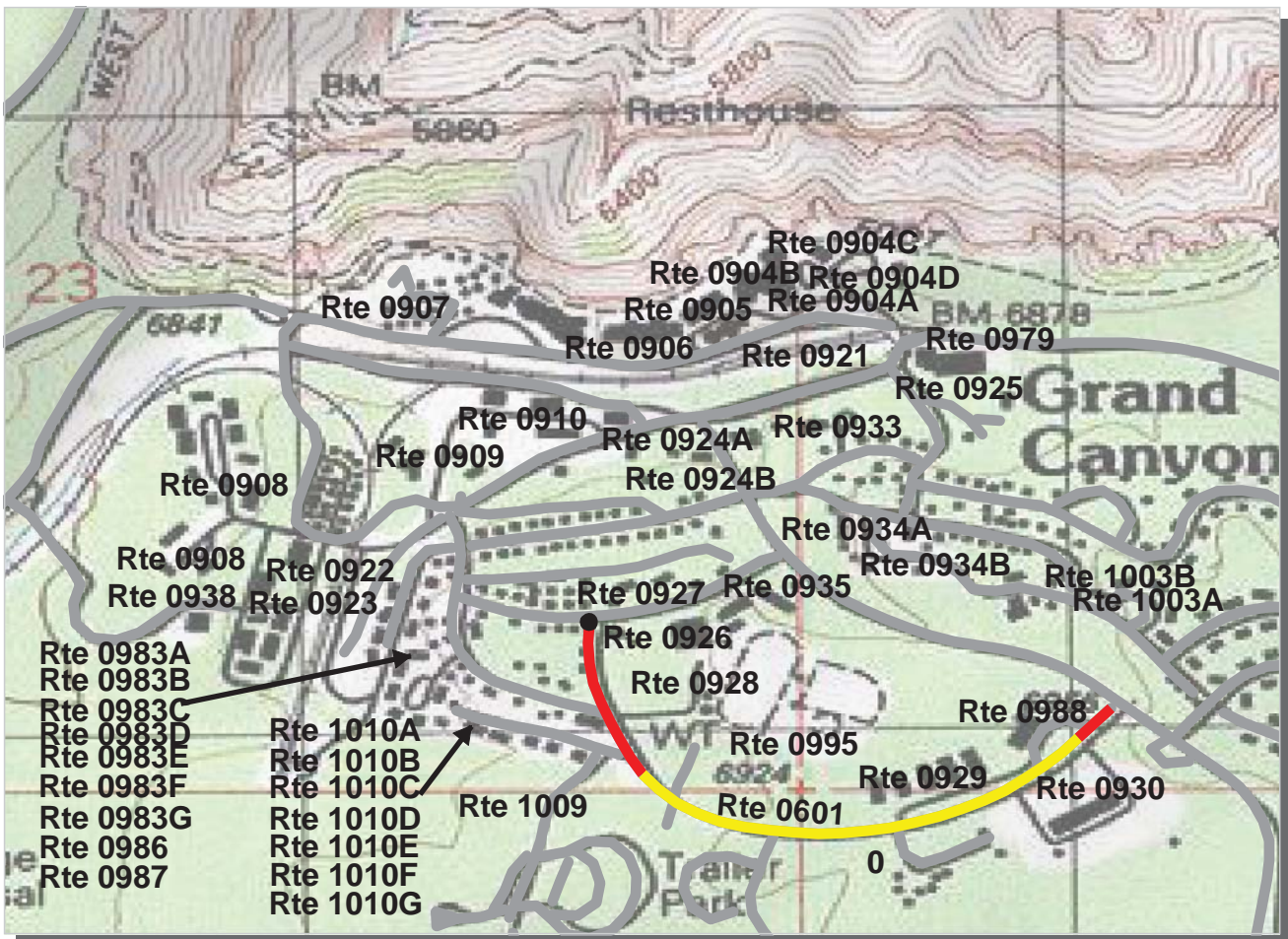
Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0501 Village Loop Bypass **TOTAL LENGTH: 0.31 Miles**

Section Number	0				
Section Length (mi)	0.31				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	19				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	19				
Alligator Cracking Index	63				
Rutting Index	53				
Patching Index	99				
Transverse Cracking Index	85				
Longitudinal Cracking Index	94				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0501 Village Loop Bypass

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



Intermountain Region
GRCA : Grand Canyon National Park

ROUTE: 0601 Albright Avenue **TOTAL LENGTH: 0.62 Miles**

Section Number	0			
Section Length (mi)	0.62			
AADT	**			
SADT	**			
ADT Date	**			
Cross Section Information				
Number of Lanes	2			
Paved Width (ft)	21			
Lane Width (ft)	10			
Shoulder Width (ft)	0			
Roadway Condition Information				
PCR (Pavement Condition Rating)	54			
RCI (Roughness Condition Index)	77			
SCR (Surface Condition Rating)	45			
Alligator Cracking Index	89			
Rutting Index	54			
Patching Index	99			
Transverse Cracking Index	97			
Longitudinal Cracking Index	99			
Shoulder Condition Rating	N/A			
Drainage Condition Rating	GOOD			

ROUTE: 0601 Albright Avenue

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

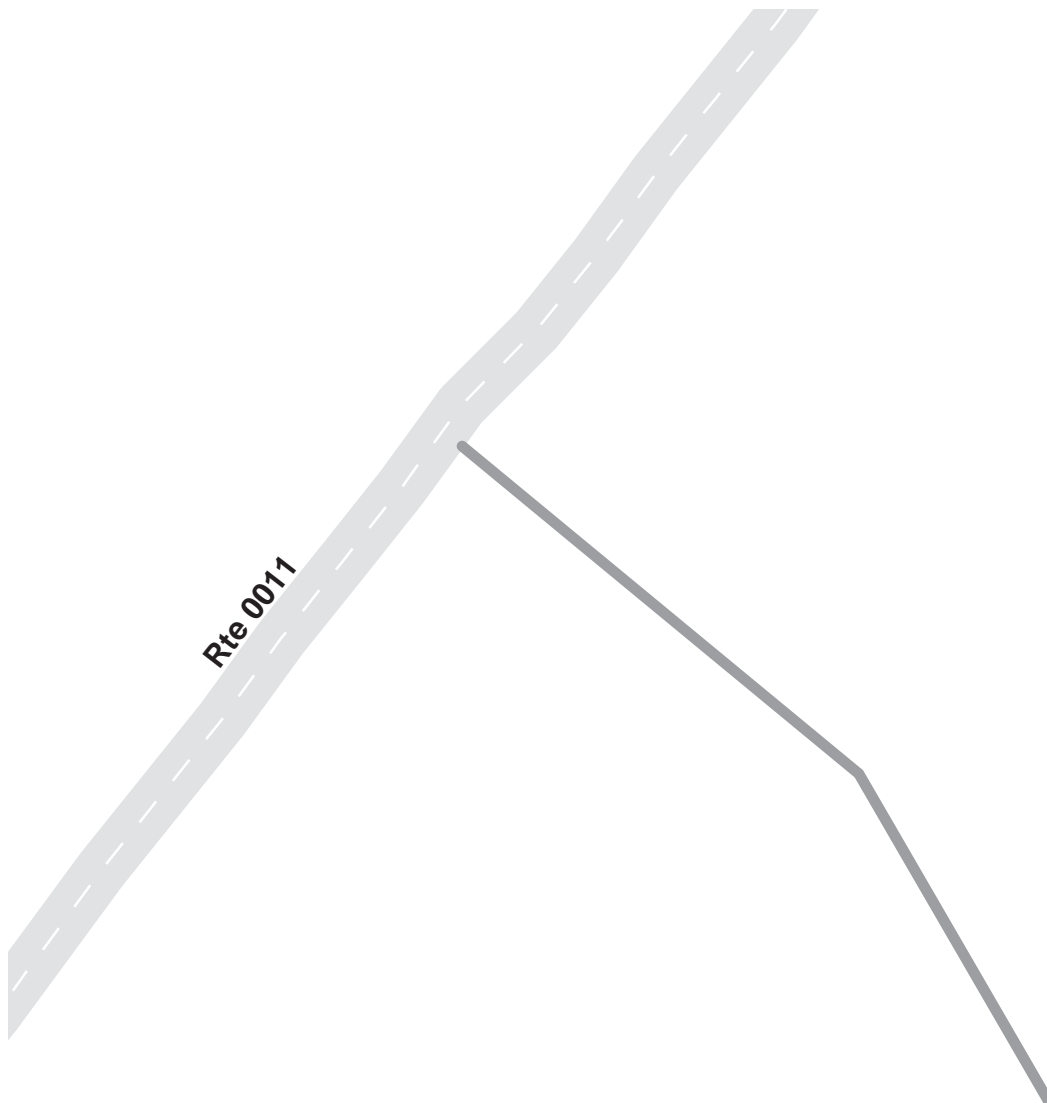
Grand Canyon National Park

Route 0461

East Entrance Residence Road
From Route 0011 at MP 21.98 on left

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0461	0.28	0.00	0	0.00	NC / -1	AS

* Lane miles are based on 11' lane widths



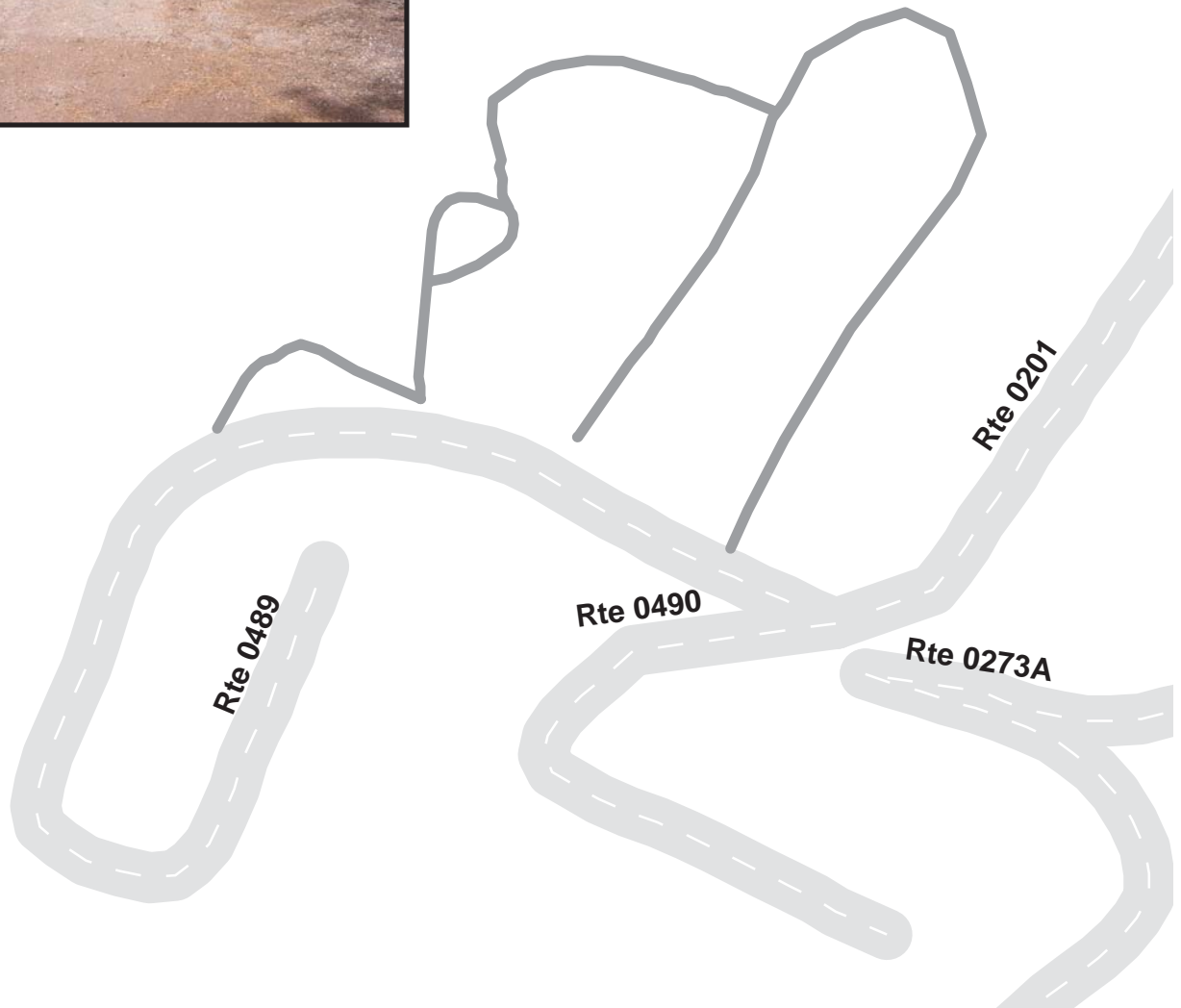
Grand Canyon National Park

Route 0491

Exposed Frame Cabin Residence/ Multiple Use Road
From Route 0489

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0491	0.26	16.00	21711	0.37	POOR / 45	AS

* Lane miles are based on 11' lane widths



Grand Canyon National Park

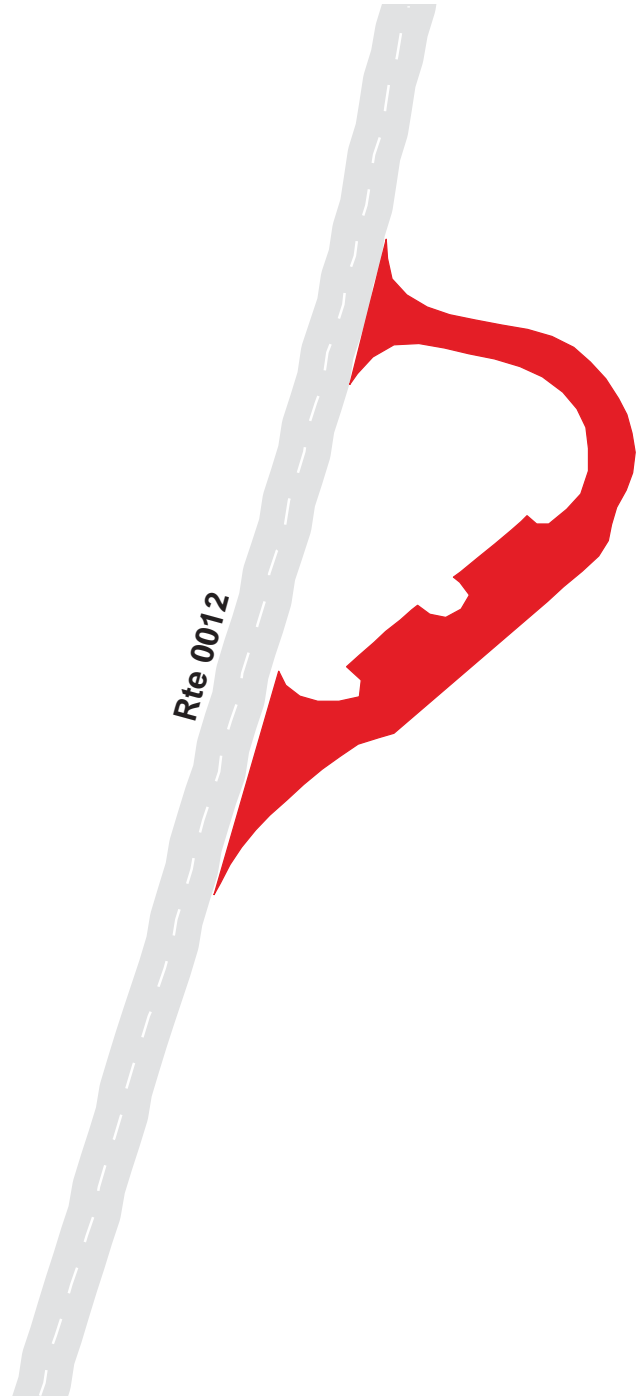
Route 0900

South Entrance Grand Canyon Parking

Adjacent To Route 0012 at MP 0.31

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900	Public	6/5/2003	20127	0.35	OC	FAIR / 73

* Lane miles are based on 11' lane widths



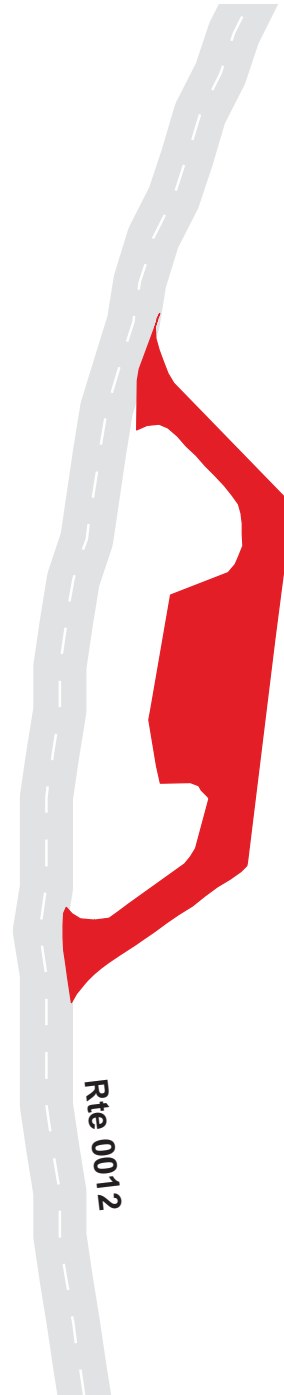
Grand Canyon National Park

Route 0901

South Entrance Station Parking
Adjacent To Route 0012 at MP 0.46

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	Public	6/3/2003	6320	0.11	OC	GOOD / 90

* Lane miles are based on 11' lane widths



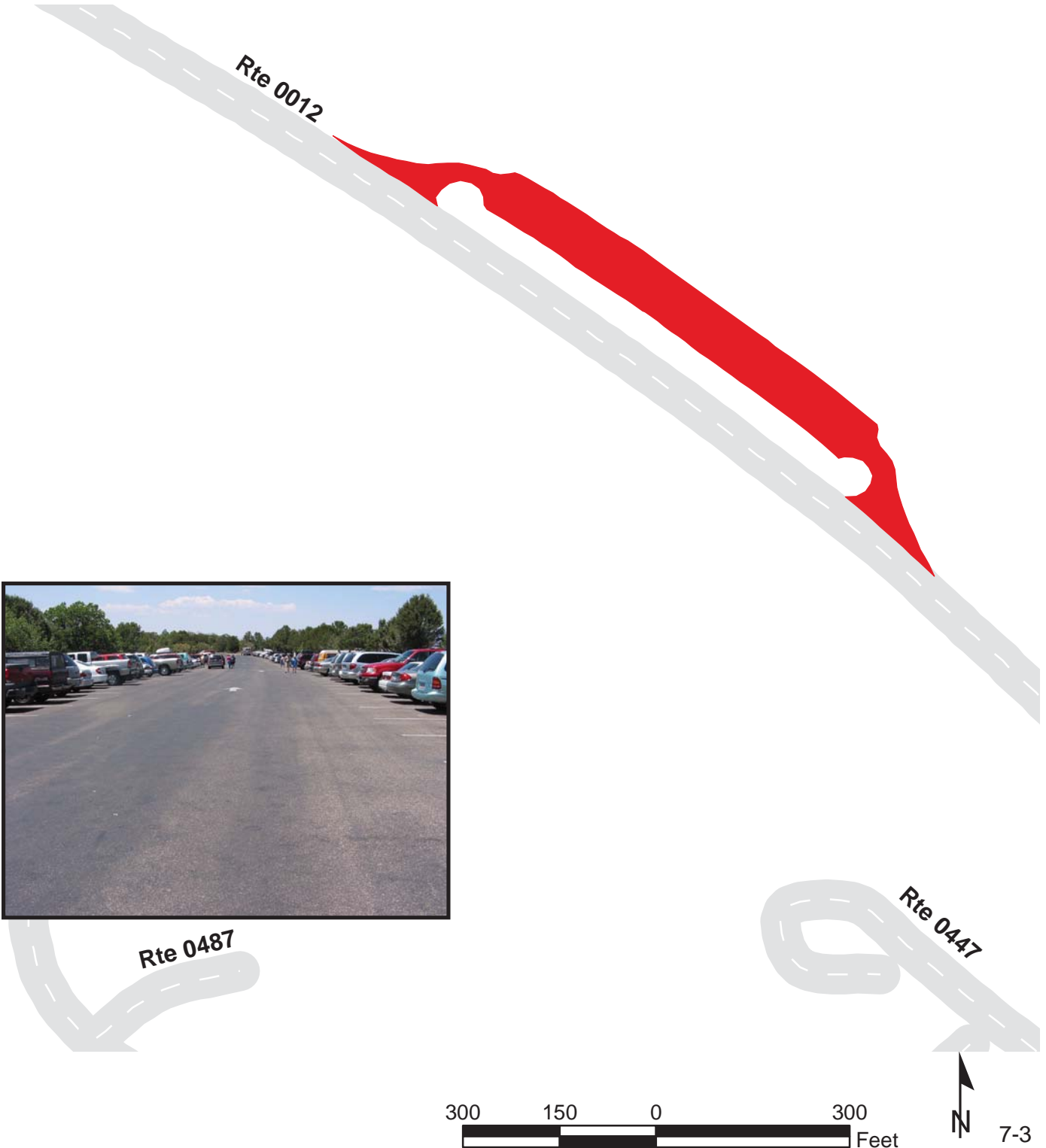
Grand Canyon National Park

Route 0902

Mather Point Visitor Center Parking
Adjacent To Route 0012 at MP 5.20

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902	Public	6/3/2003	55183	0.95	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

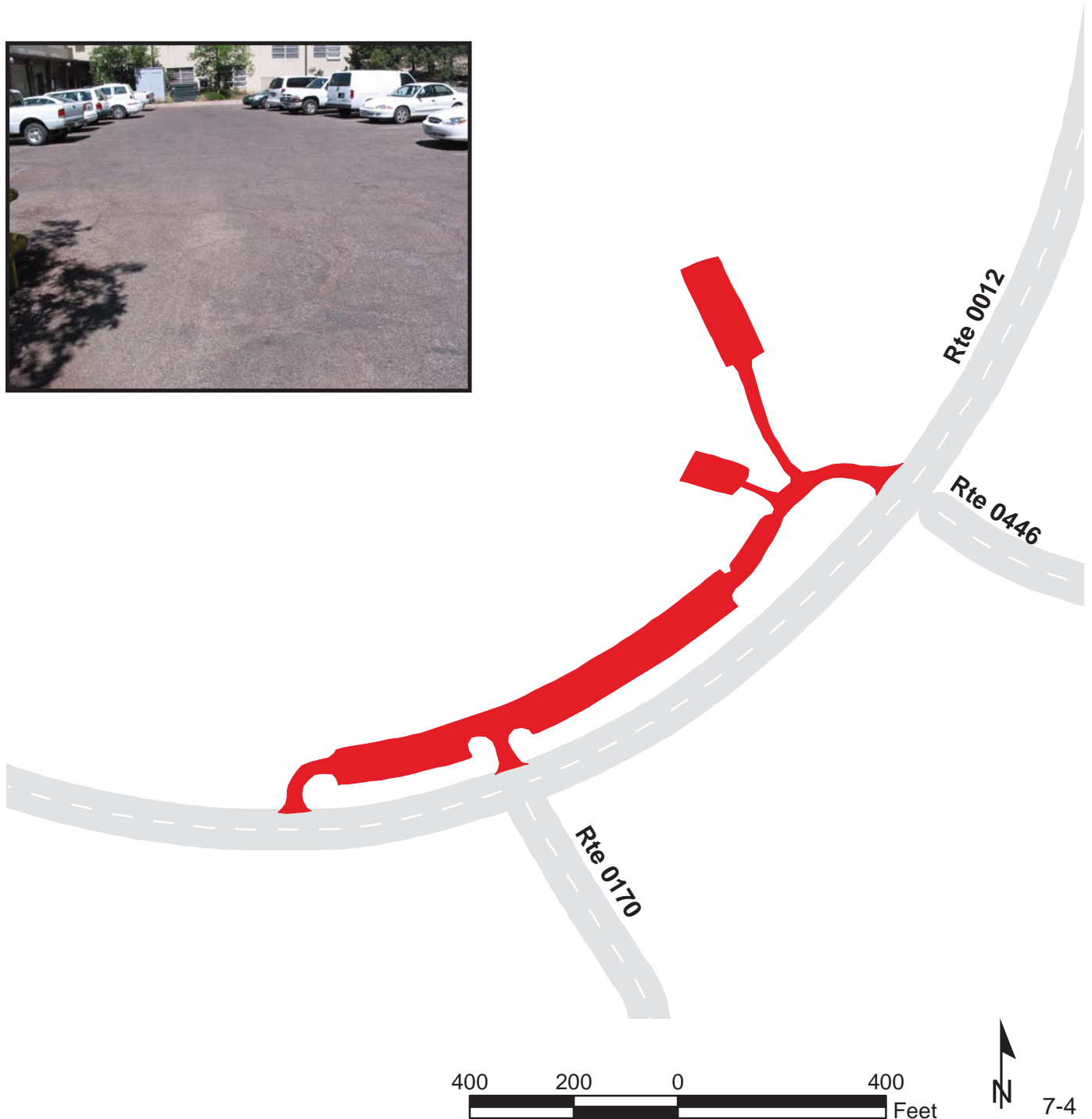
Route 0903

Headquarters Parking

Adjacent To Route 0012 at MP 6.42

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903	NonPublic	6/3/2003	88643	1.53	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

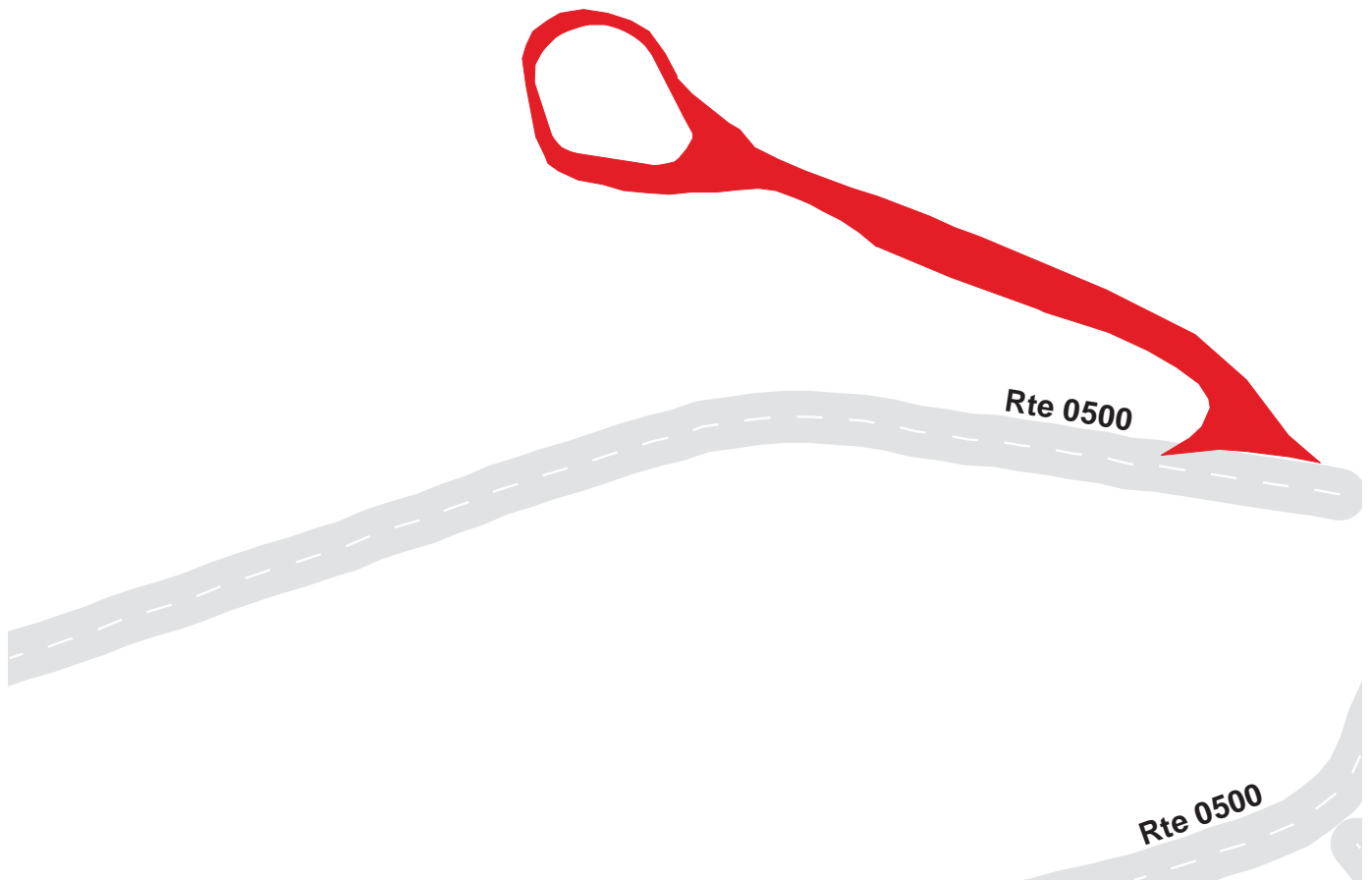
Route 0904A

El Tovar/Verkamps Parking A

From Route 0500

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904A	Public	6/3/2003	13627	0.23	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

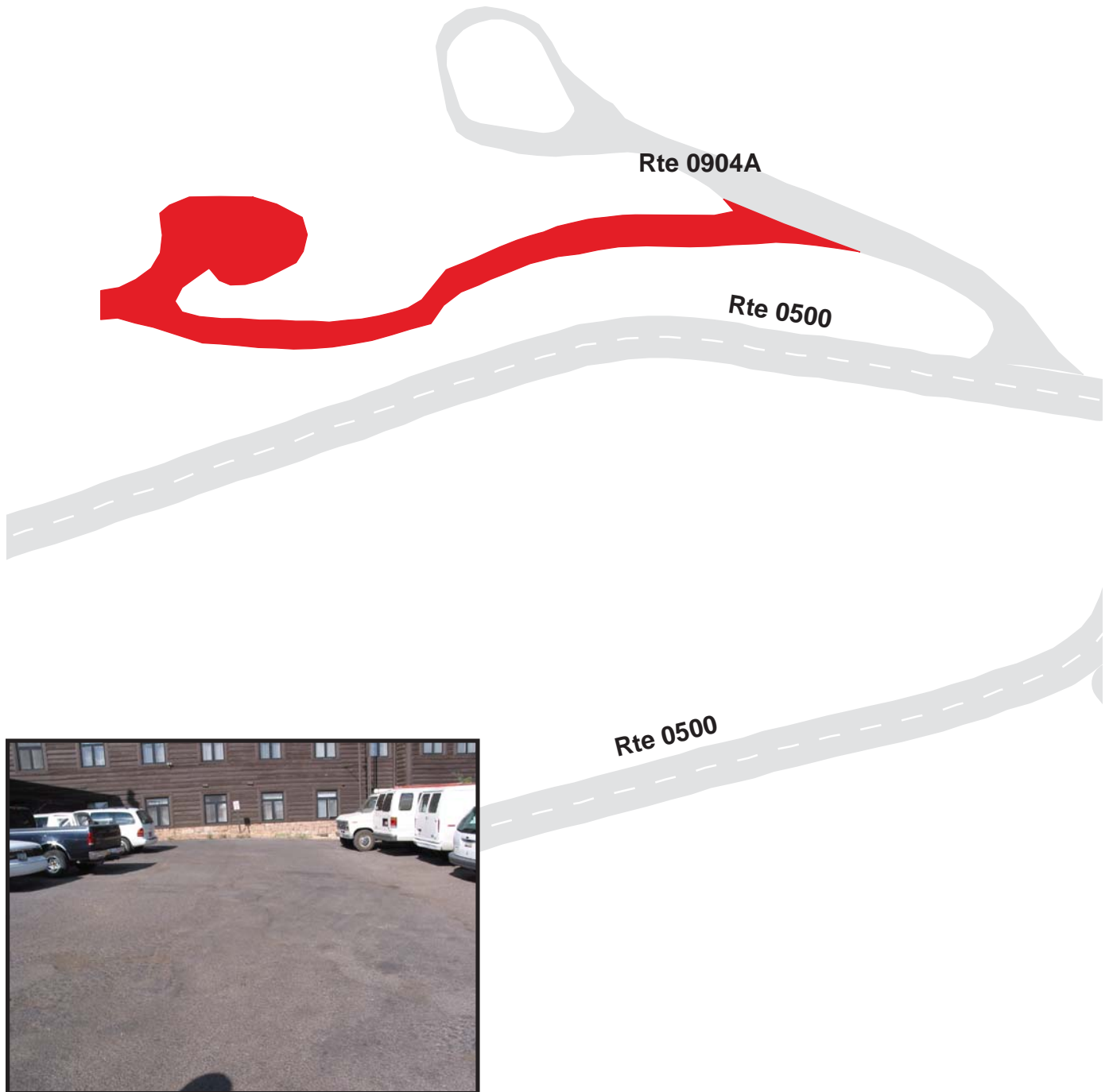
Route 0904B

El Tovar/Verkamps Parking B

From Route 0904A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904B	Public	6/3/2003	18450	0.32	AS	POOR / 45

* Lane miles are based on 11' lane widths



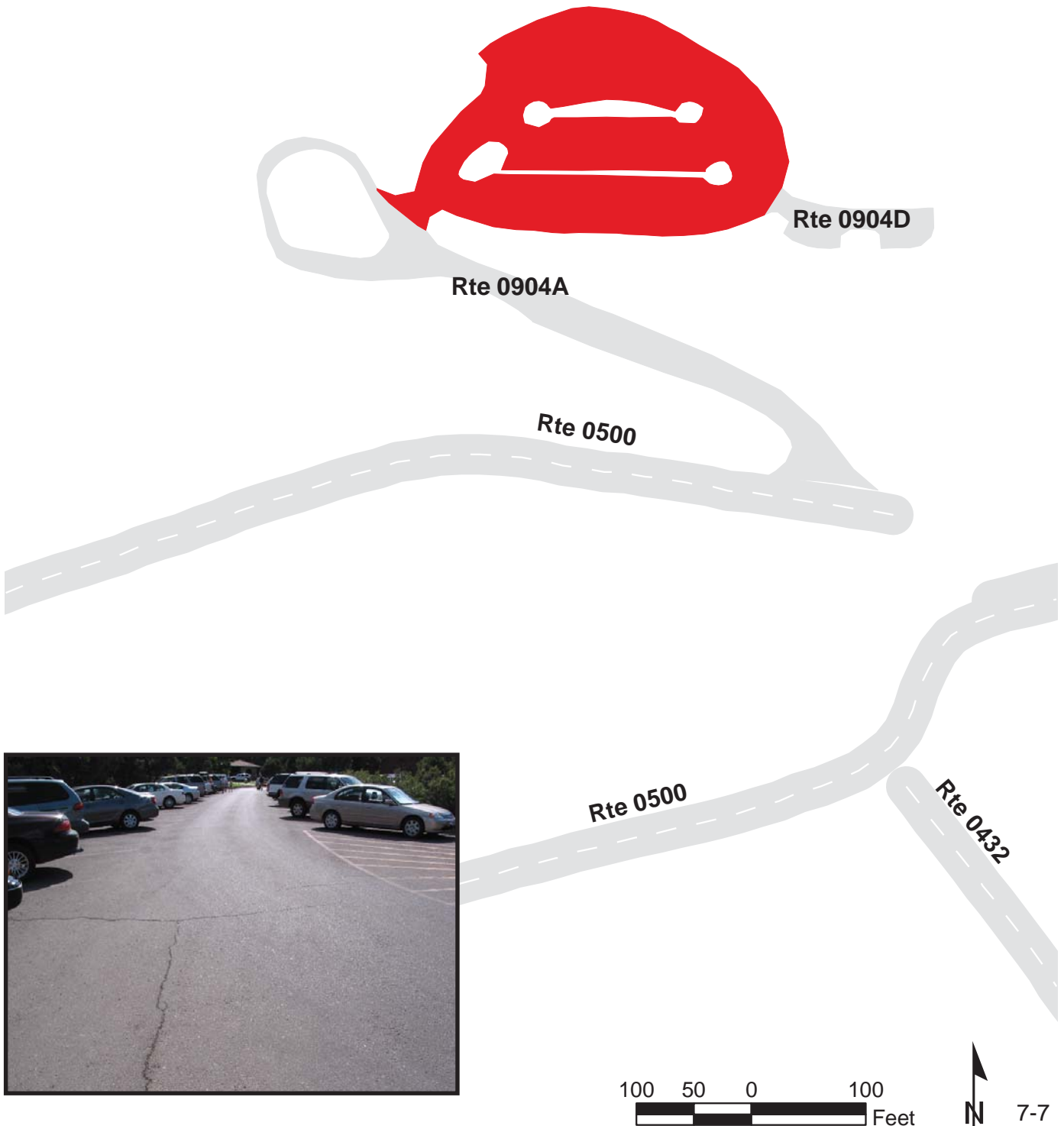
Grand Canyon National Park

Route 0904C

El Tovar/Verkamps Parking C
From Route 0904A and Route 0904D

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904C	Public	6/3/2003	36259	0.62	AS	FAIR / 73

* Lane miles are based on 11' lane widths



100 50 0 100
Feet



Grand Canyon National Park

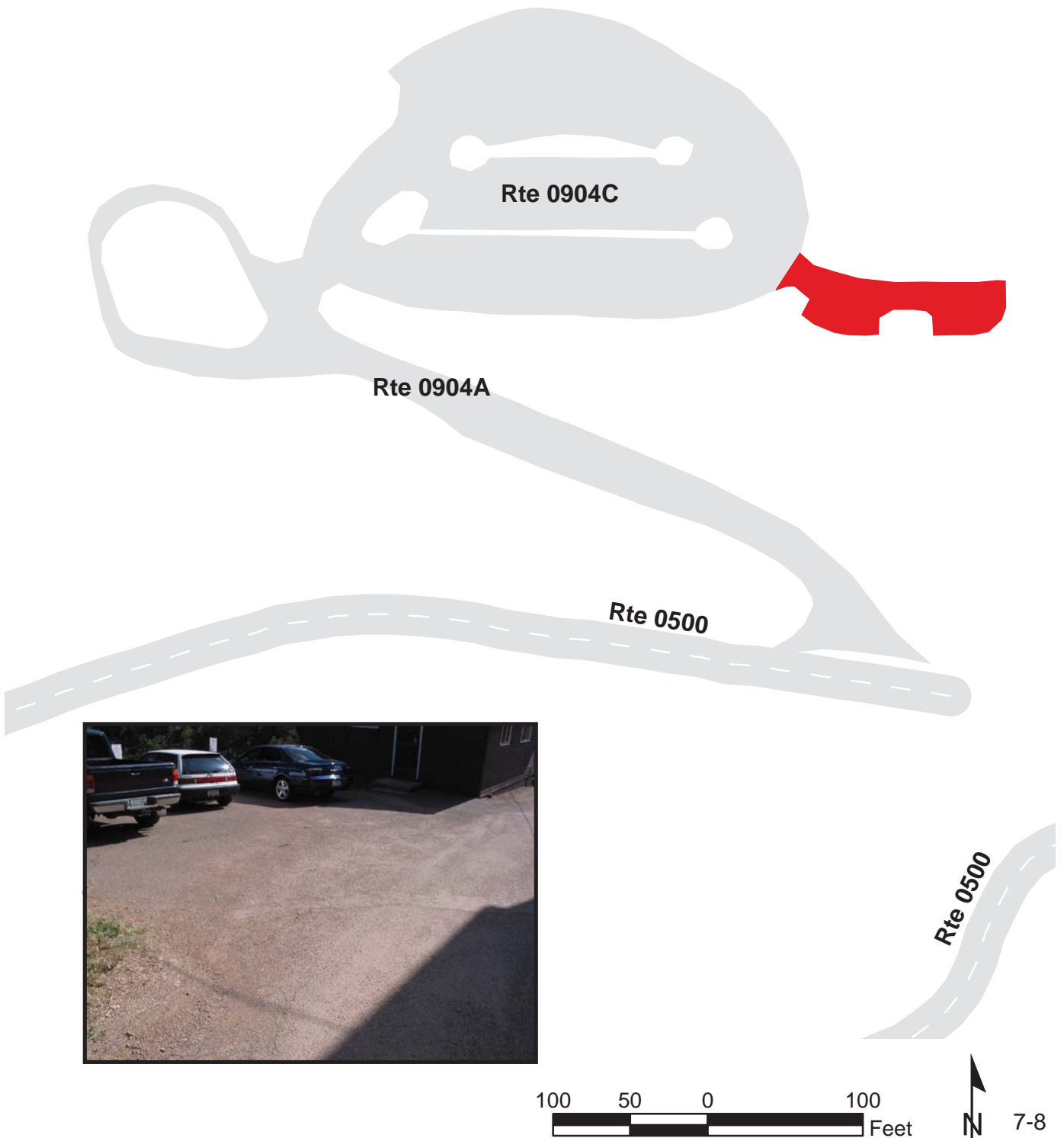
Route 0904D

El Tovar/Verkamps Parking D

From Route 0904C

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904D	Public	6/3/2003	3365	0.06	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

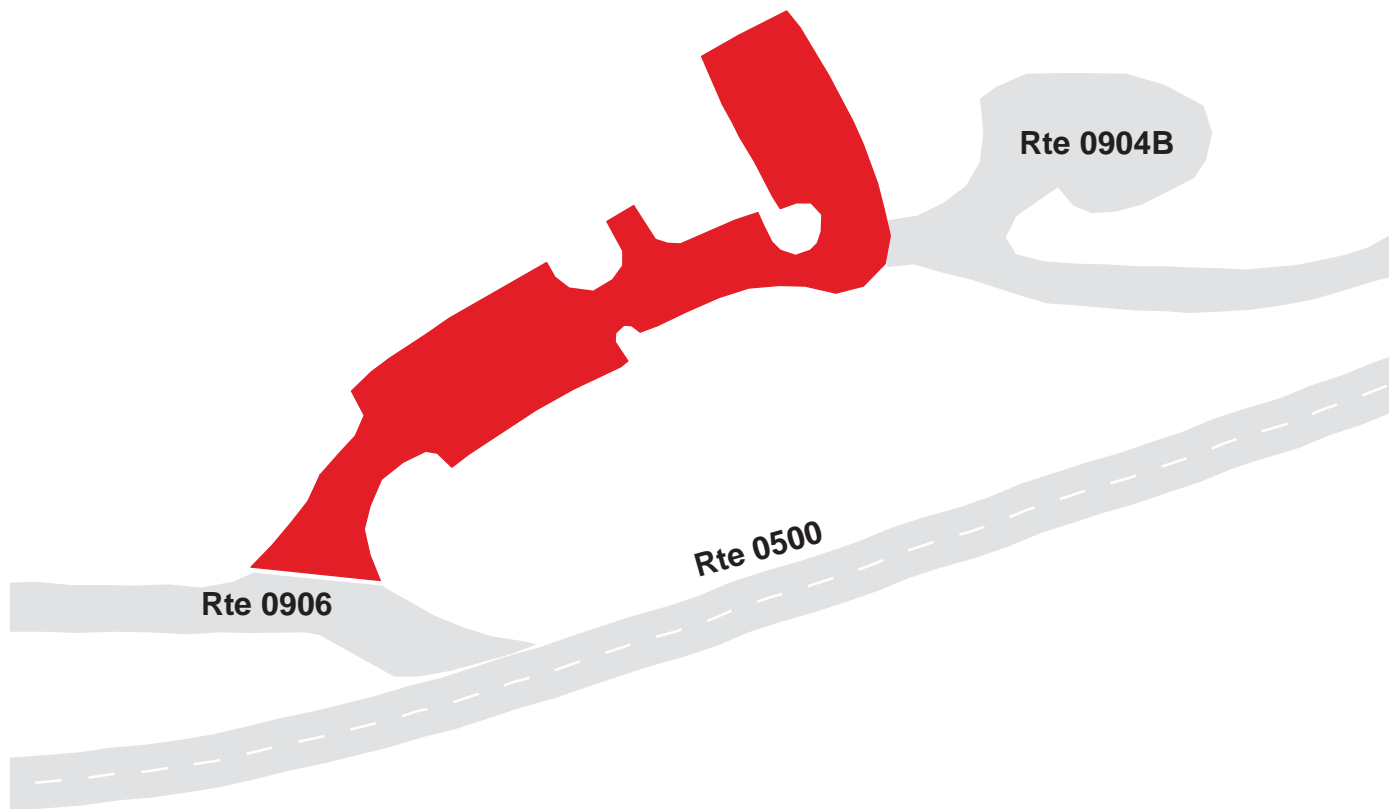
Route 0905

Cochina Lodge Parking

From Route 0904B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905	Public	6/3/2003	18765	0.32	AS	POOR / 45

* Lane miles are based on 11' lane widths



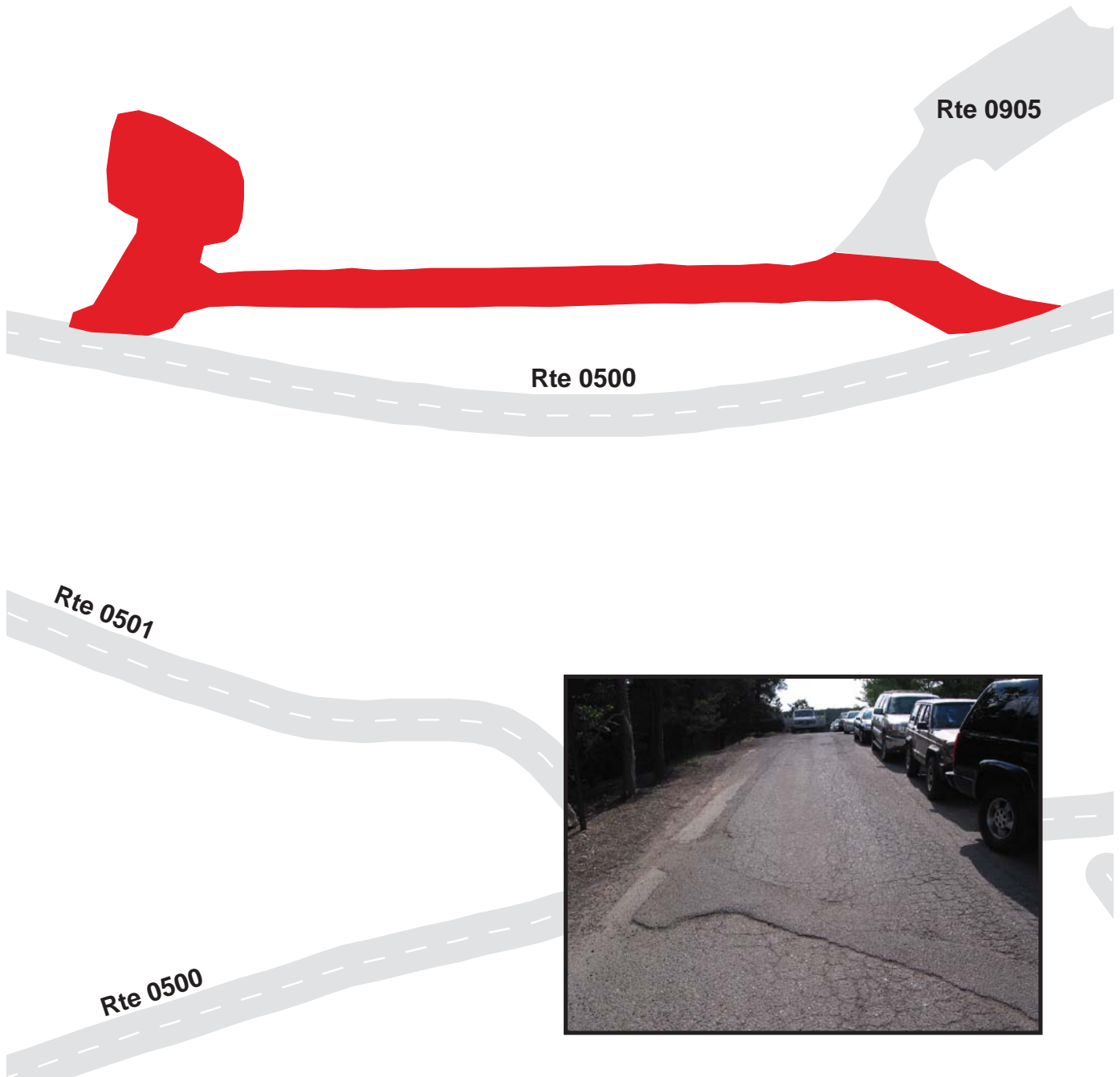
Grand Canyon National Park

Route 0906

Thunderbird Lodge Parking
Adjacent To Route 0500

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	Public	6/3/2003	20117	0.35	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

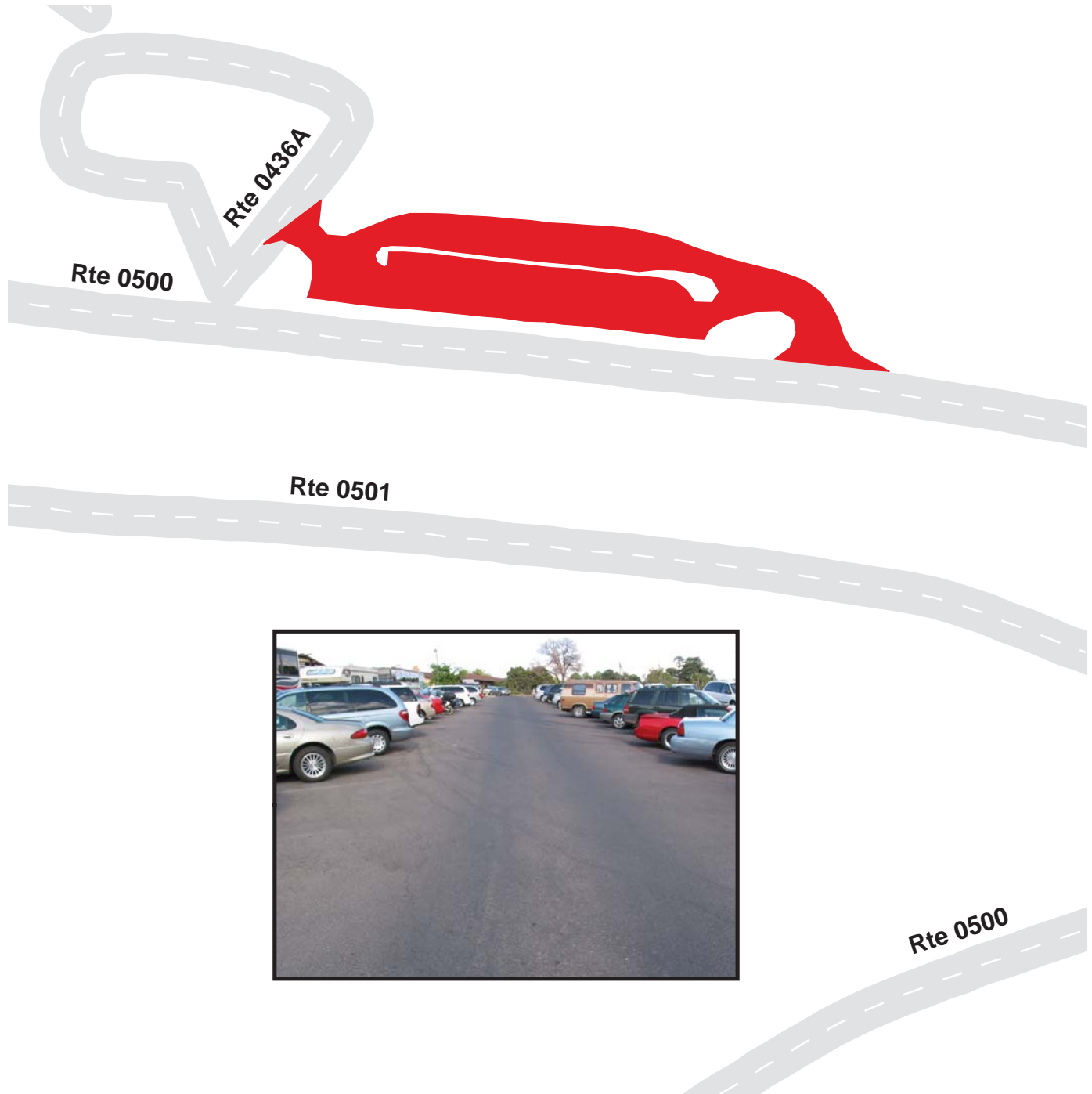
Route 0907

Bright Angel Lodge Parking

From Route 0500

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907	Public	6/3/2003	28998	0.50	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

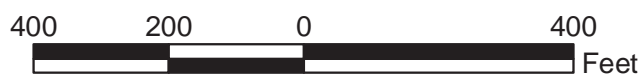
Route 0908

Maswick Standard Parking

From Route 0500

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0908	Public	6/3/2003	194655	3.35	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0909

Service Parking Area

From Route 0500 and Route 0501

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0909	Public	6/3/2003	57174	0.98	AS	POOR / 45

* Lane miles are based on 11' lane widths



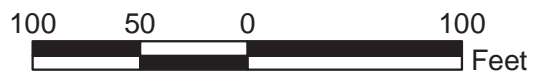
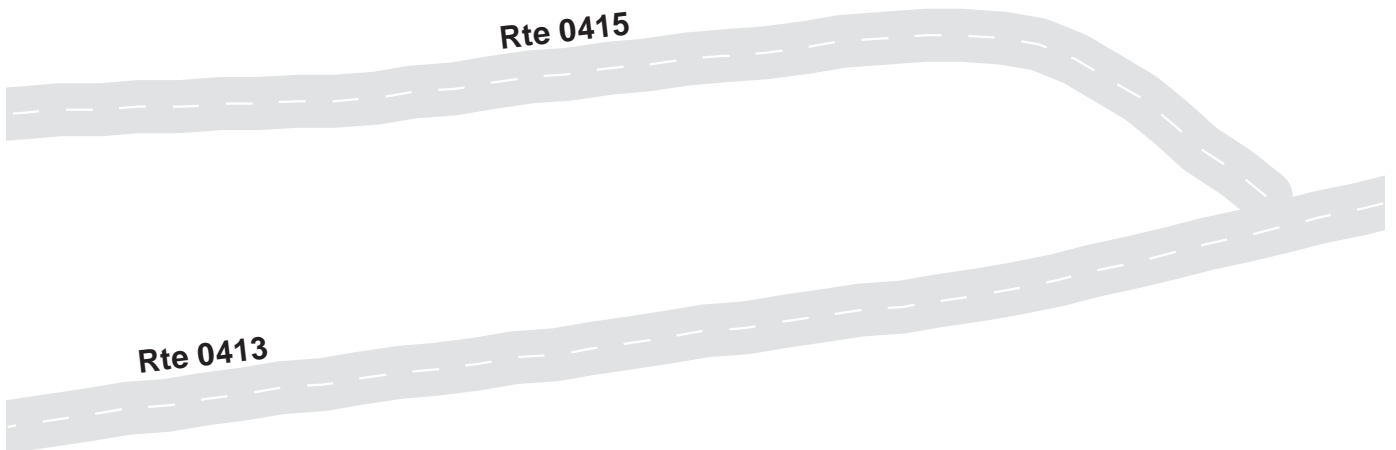
Grand Canyon National Park

Route 0910

Human Resources Parking
Adjacent To Route 0500 at MP 1.02

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0910	NonPublic	6/3/2003	5888	0.10	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

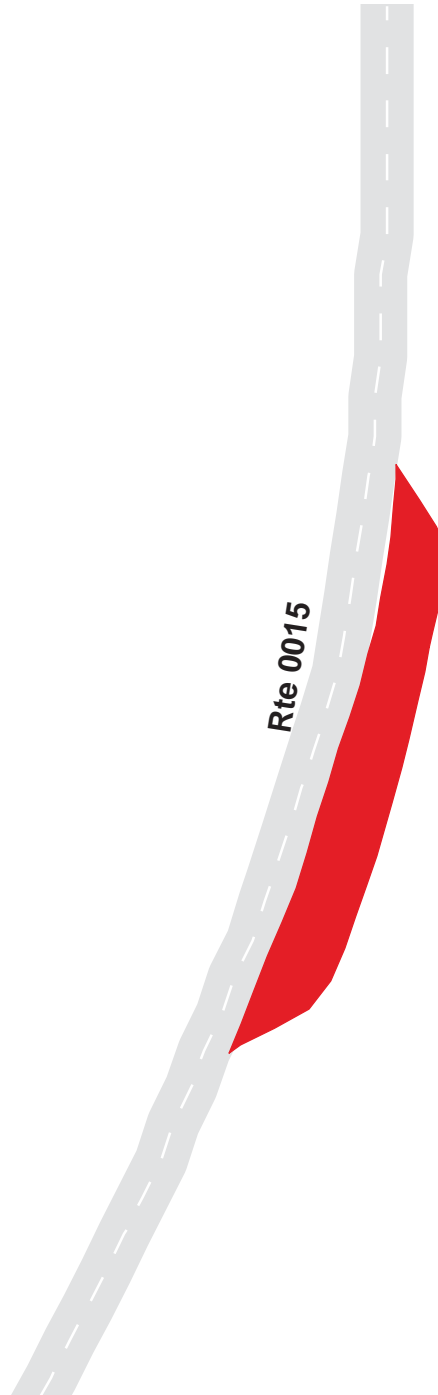
Route 0911

Trailview Parking

Adjacent To Route 0015 at MP 1.1

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0911	Public	6/4/2003	5774	0.10	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0912

Grand Canyon Vista Parking
Adjacent To Route 0015 at MP 1.42

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0912	Public	6/4/2003	9584	0.17	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

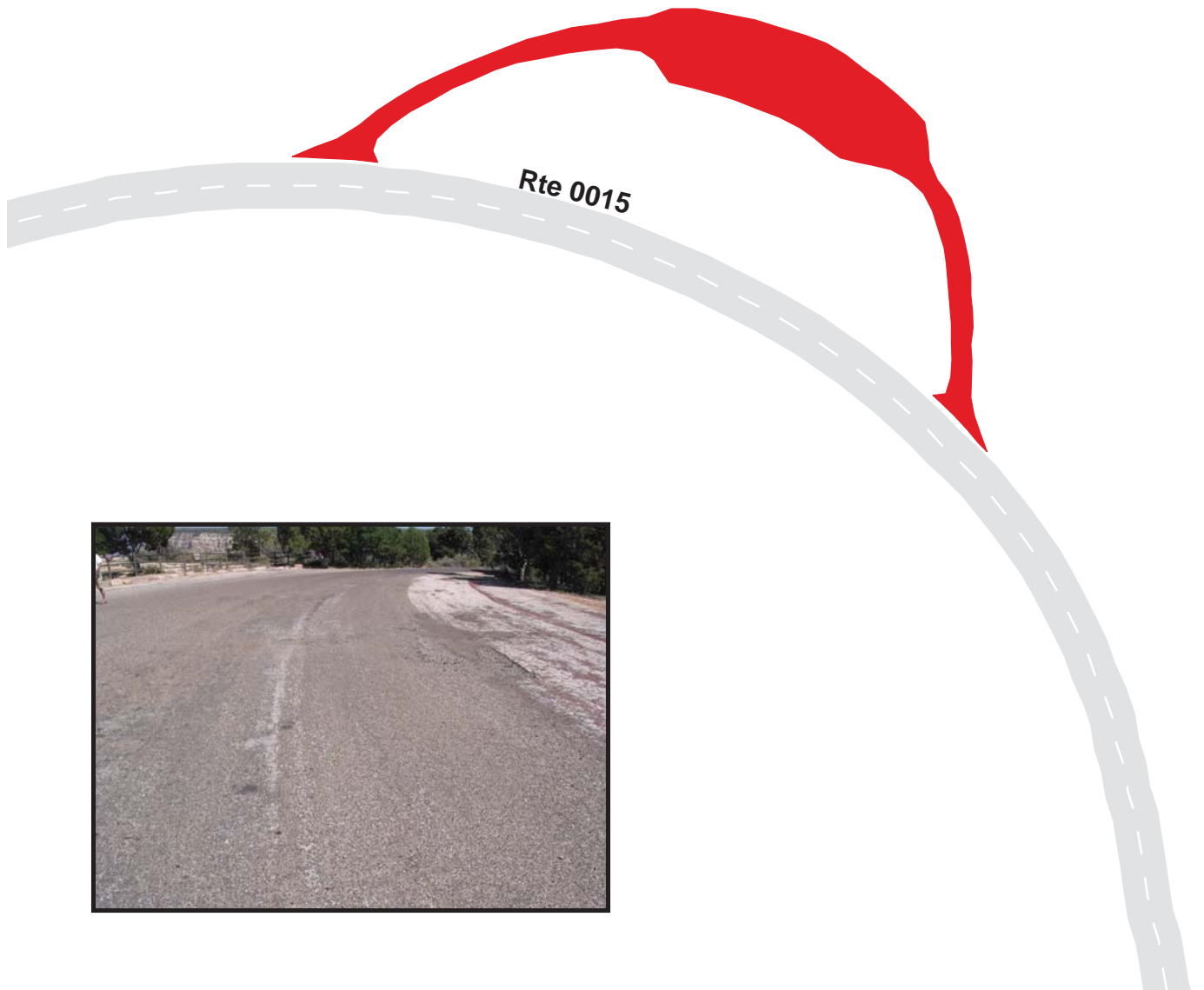
Route 0913

Maricopa Point Parking

Adjacent To Route 0015 at MP 1.68

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	Public	6/4/2003	16279	0.28	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

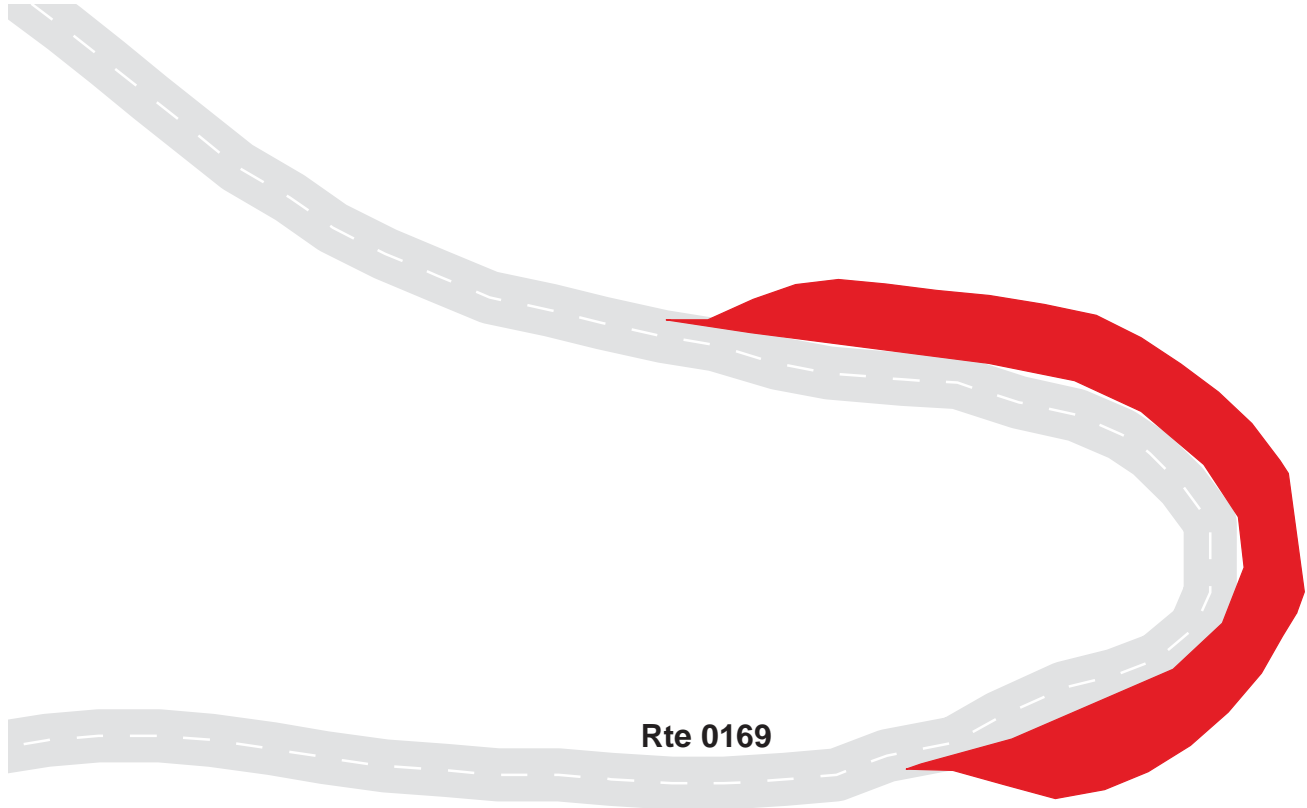
Route 0914

Powell Memorial Parking

Adjacent To Route 0169

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	Public	6/4/2003	5680	0.10	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

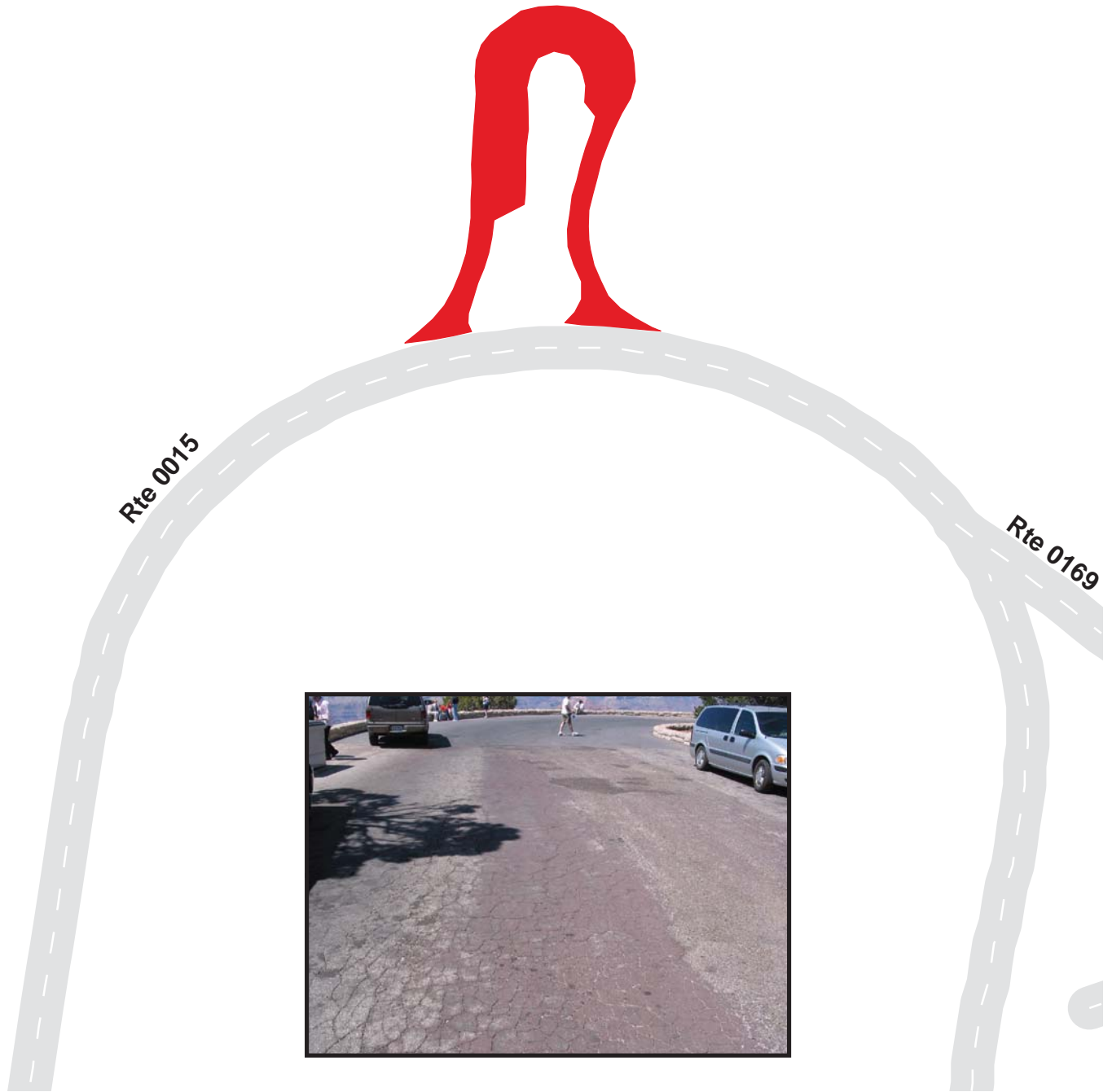
Route 0915

Hopi Point Parking

Adjacent To Route 0015 at MP 2.32

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0915	Public	6/4/2003	17093	0.29	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0916

Hopi Point II Parking

Adjacent To Route 0015 at MP 2.39

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916	Public	6/4/2003	5281	0.09	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0917

Mojave Point Parking
Adjacent To Route 0168

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0917	Public	6/4/2003	4356	0.07	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0918

Abyss Parking

Adjacent To Route 0015 at MP 4.10

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0918	Public	6/4/2003	2900	0.05	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0919

Pima Point Parking
Adjacent To Route 0167

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	Public	6/4/2003	4226	0.07	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

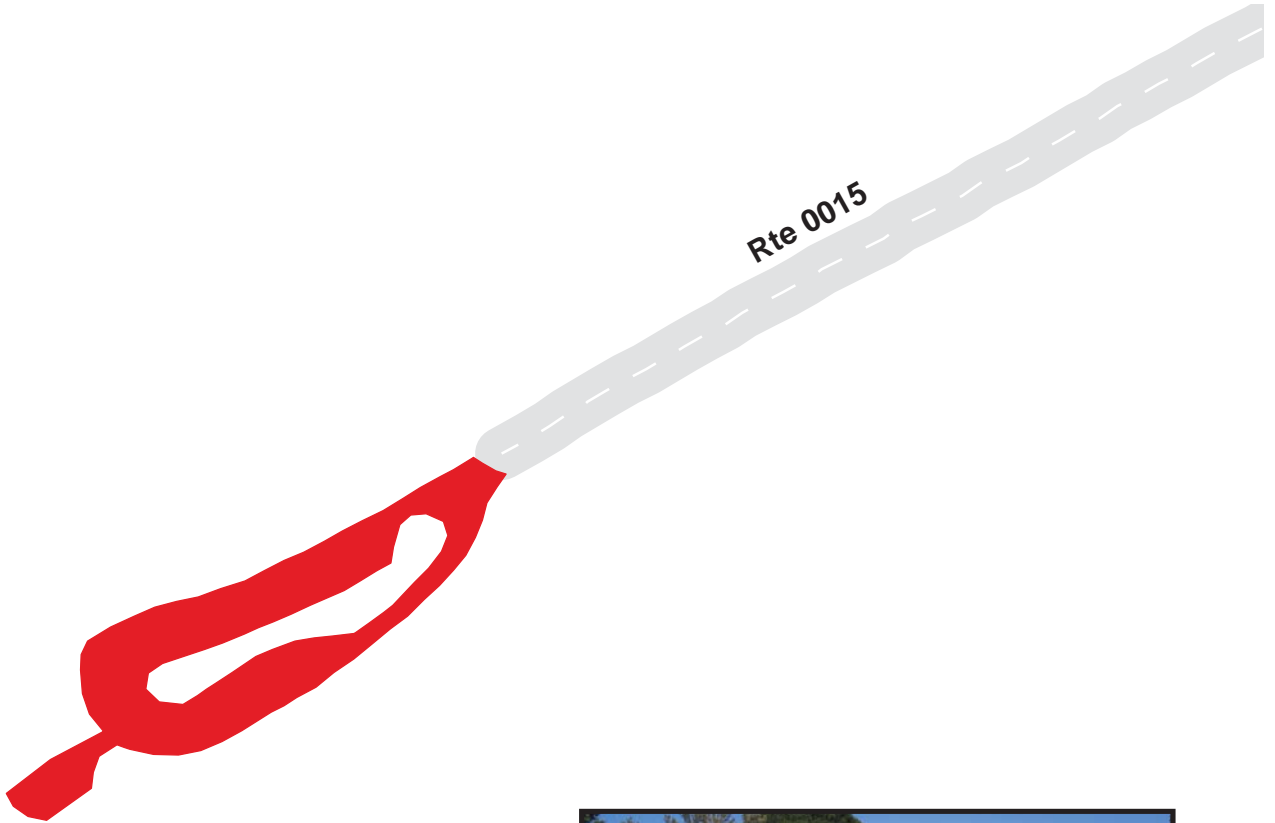
Route 0920

Hermit's Rest Parking

At End of Route 0015

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	Public	6/4/2003	23570	0.41	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

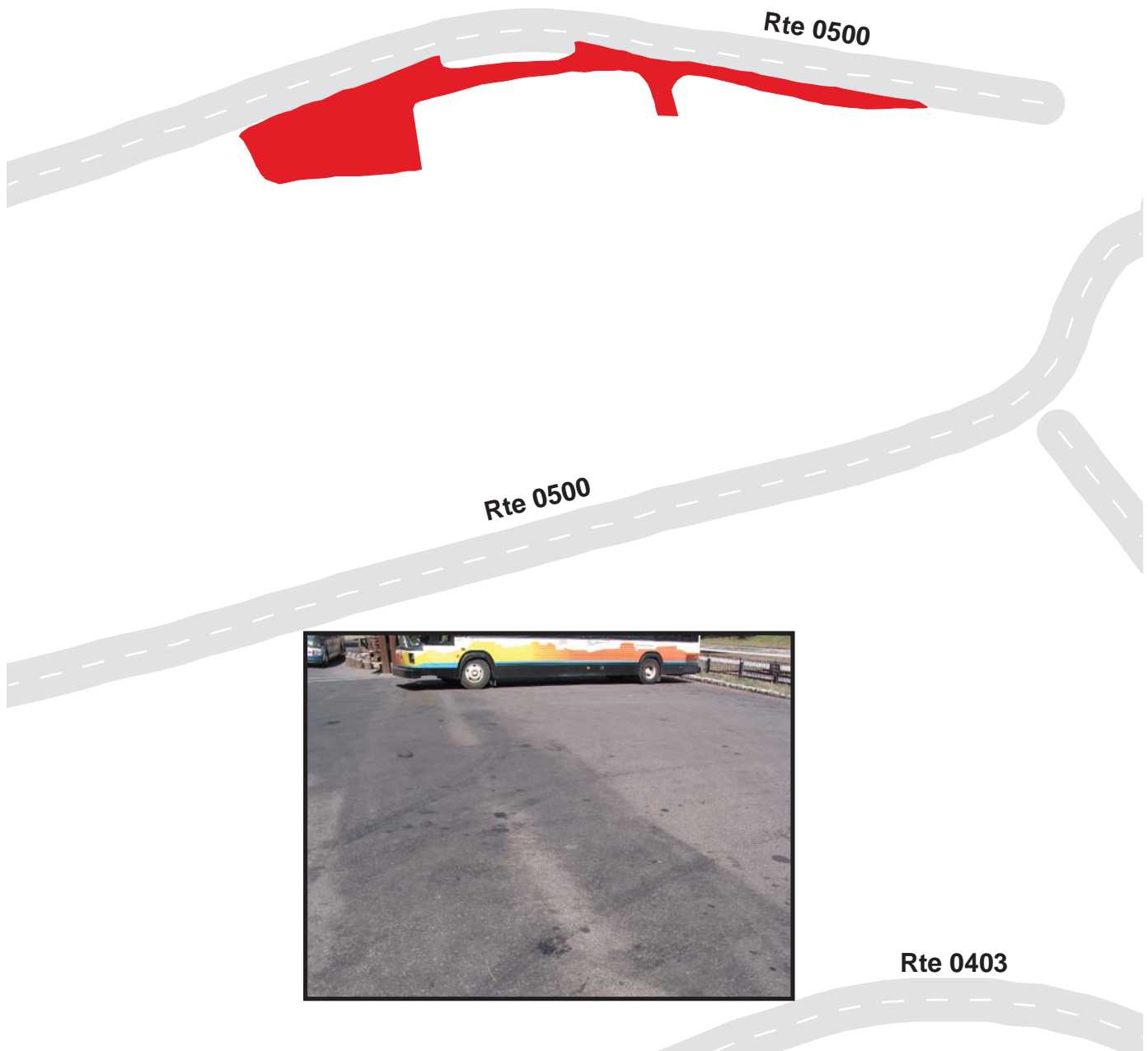
Route 0921

Train Station Parking

Adjacent To Route 0500 at MP 0.08

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	6/4/2003	9879	0.17	AS	GOOD / 90

* Lane miles are based on 11' lane widths



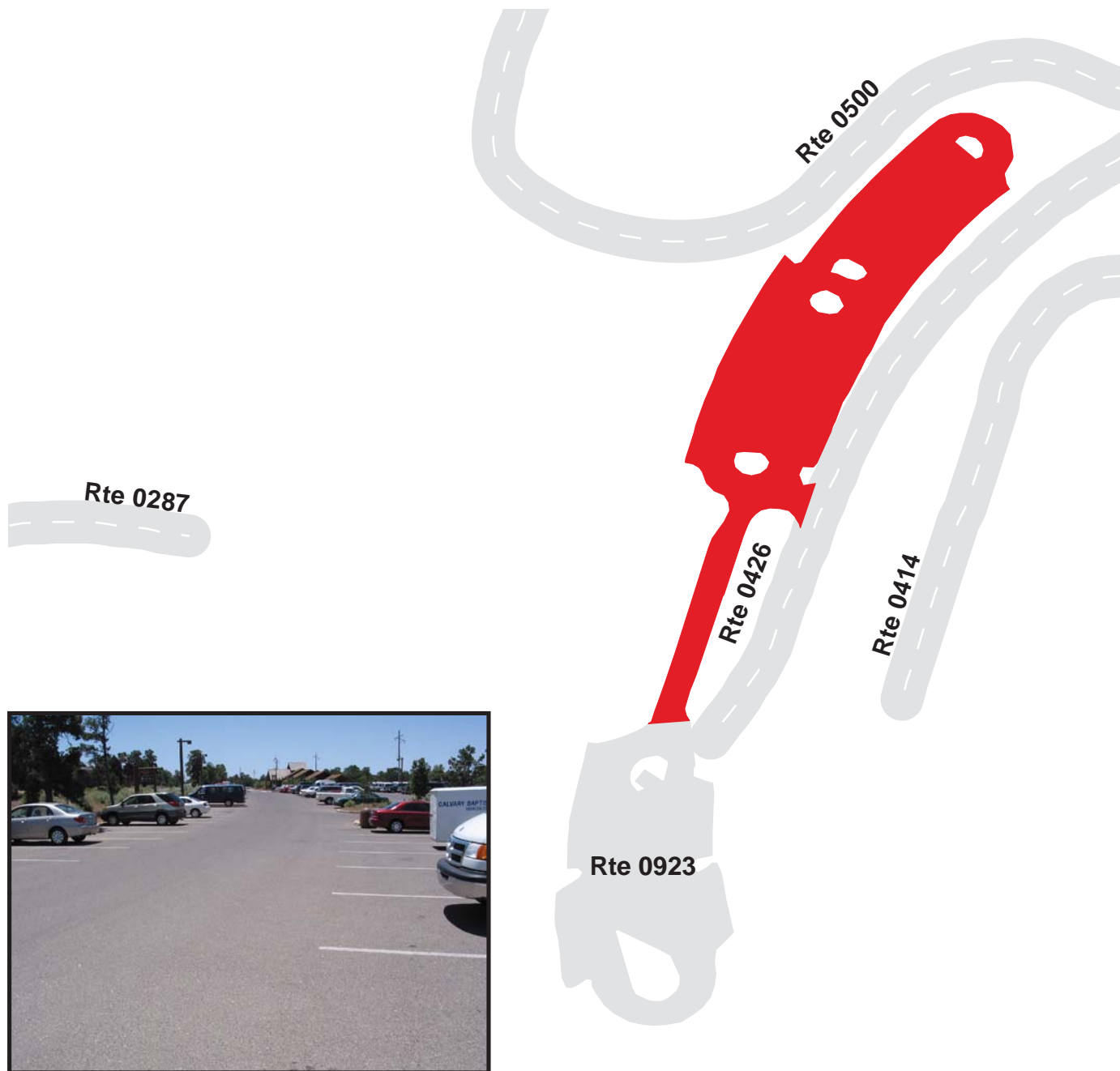
Grand Canyon National Park

Route 0922

Backcountry Permit Parking
Adjacent To Route 0426 at MP 0.10

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0922	Public	6/3/2003	62770	1.08	AS	GOOD / 90

* Lane miles are based on 11' lane widths



200 100 0 200 Feet

N 7-26

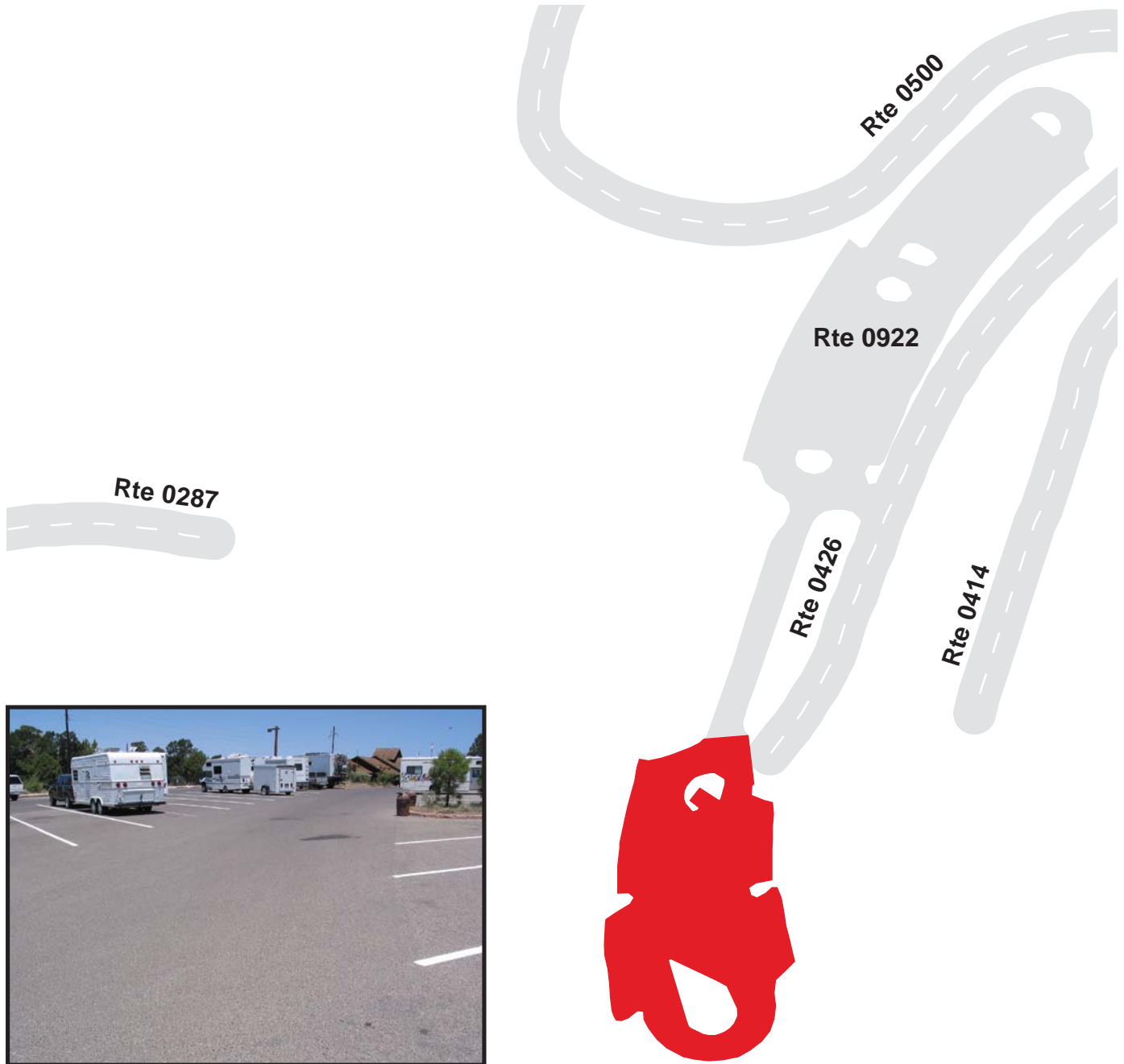
Grand Canyon National Park

Route 0923

Maswick Transportation Center Parking
At End of Route 0426

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0923	Public	6/3/2003	41911	0.72	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0924A

Magistrate Parking

From Route 0016 at MP 1.56

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924A	Public	6/6/2003	18065	0.31	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0924B

Magistrate Employee Parking

From Route 0924A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924B	NonPublic	6/3/2003	7210	0.12	AS	GOOD / 90

* Lane miles are based on 11' lane widths



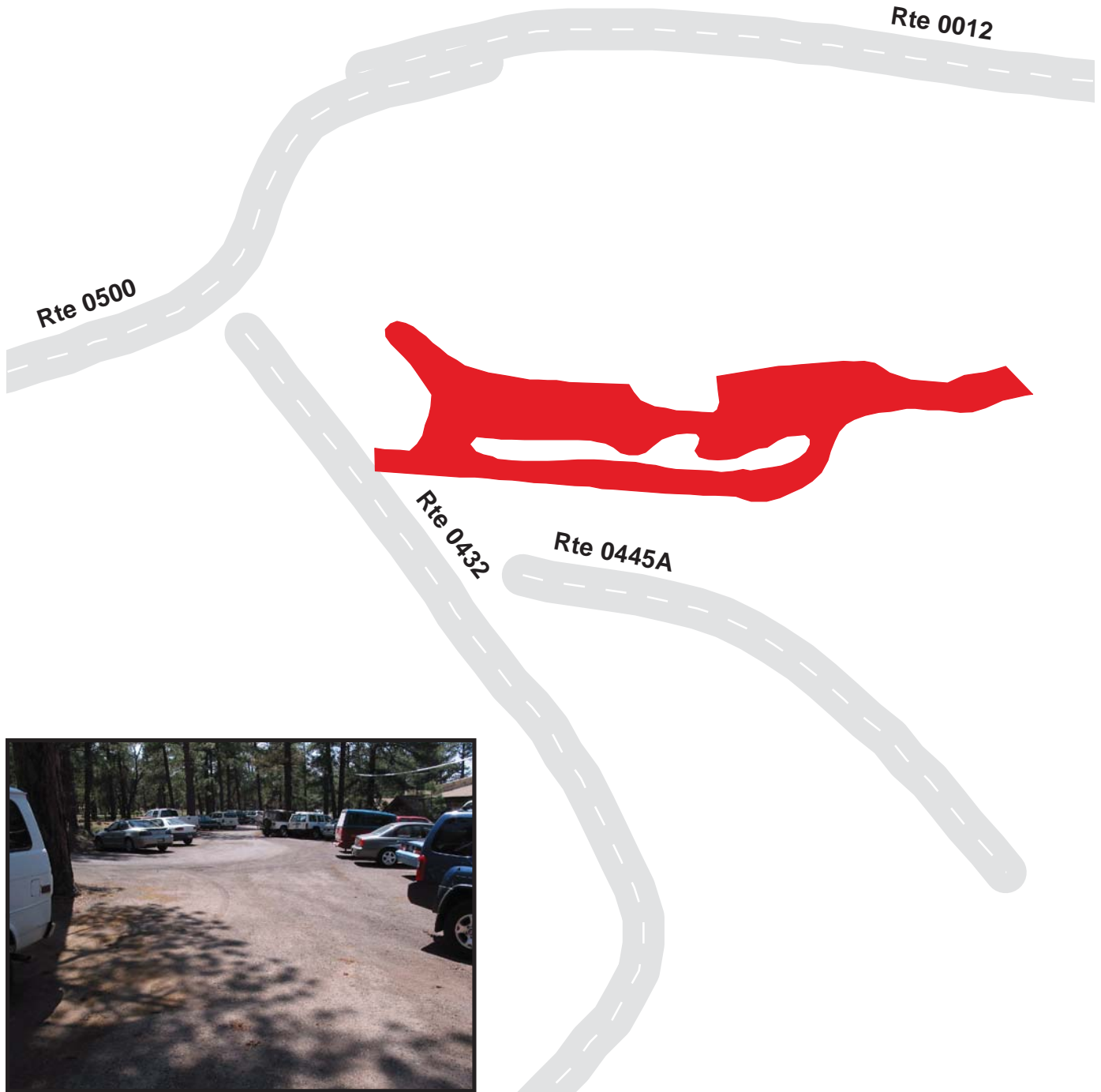
Grand Canyon National Park

Route 0925

General Offices Parking
Adjacent To Route 0432 at MP 0.02

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0925	NonPublic	6/5/2003	14654	0.25	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0926

Chapel Parking

Adjacent To Route 0409 at MP 0.14 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0926	Public	6/5/2003	11584	0.20	AS	GOOD / 90

* Lane miles are based on 11' lane widths



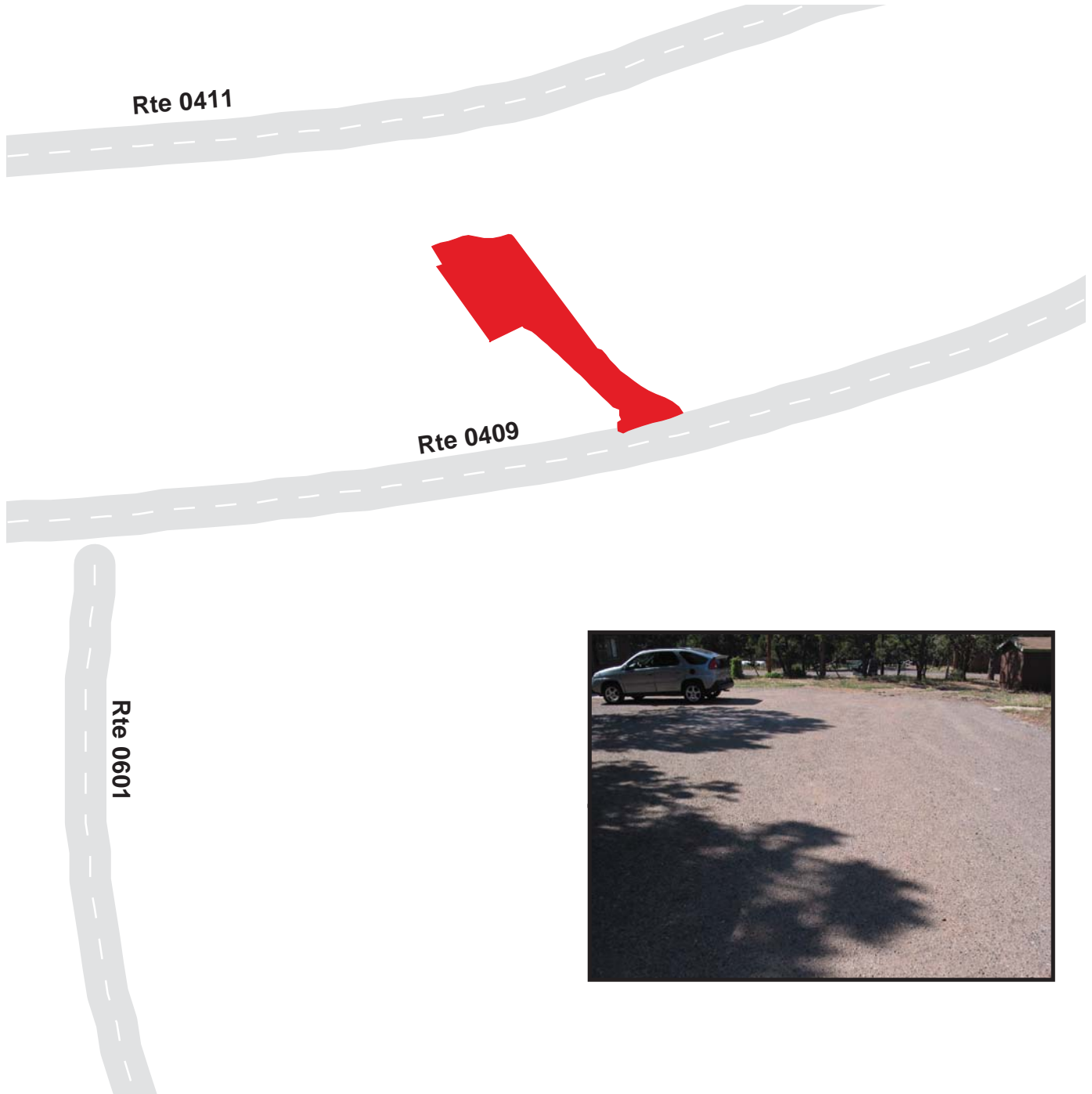
Grand Canyon National Park

Route 0927

Boulder Street Residence Parking
Adjacent To Route 0409 at MP 0.14 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927	NonPublic	6/5/2003	4516	0.08	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0928

Coconino School Parking

From Route 0601 and End of Route 0408

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0928	Public	6/3/2003	28752	0.50	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

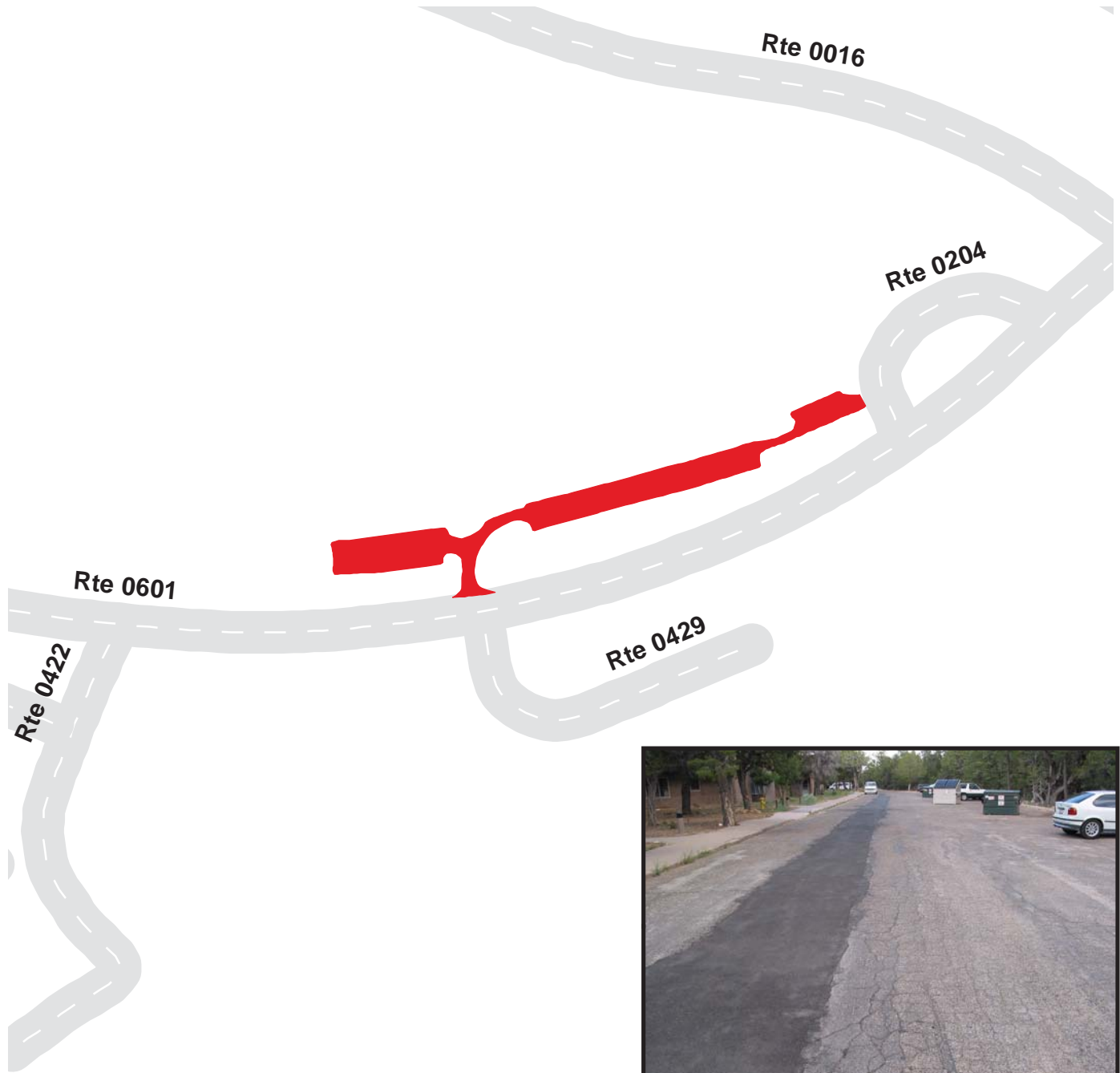
Route 0929

Dormitory Parking

Adjacent To Route 0601 at MP 0.40

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0929	NonPublic	6/3/2003	36184	0.62	AS	POOR / 45

* Lane miles are based on 11' lane widths



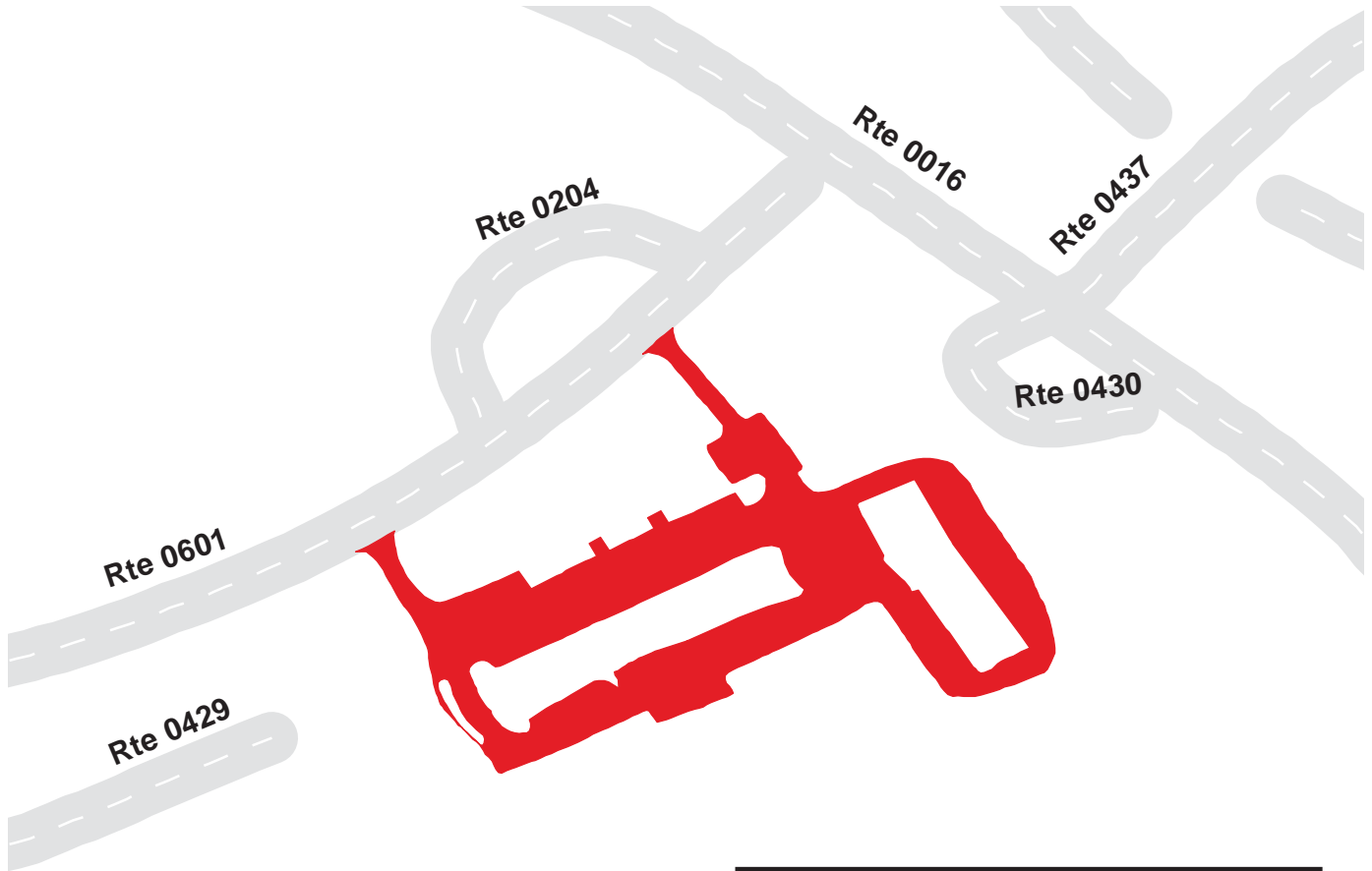
Grand Canyon National Park

Route 0930

Albright Maintenance Area Parking
Adjacent To Route 0601 at MP 0.56

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0930	NonPublic	6/3/2003	98000	1.69	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

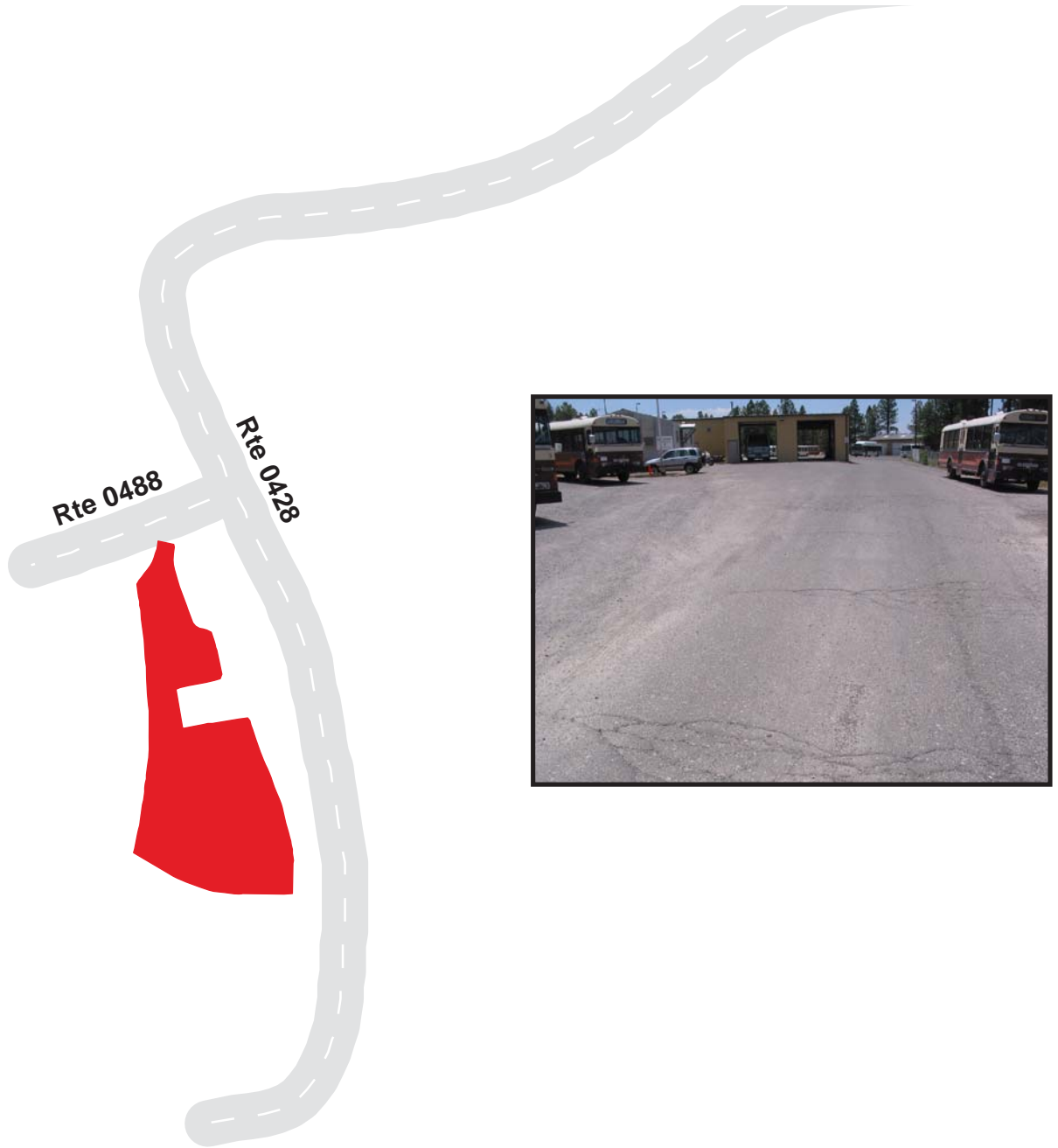
Route 0931

Shuttle Bus Parking

From Route 0488

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0931	NonPublic	6/5/2003	43724	0.75	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

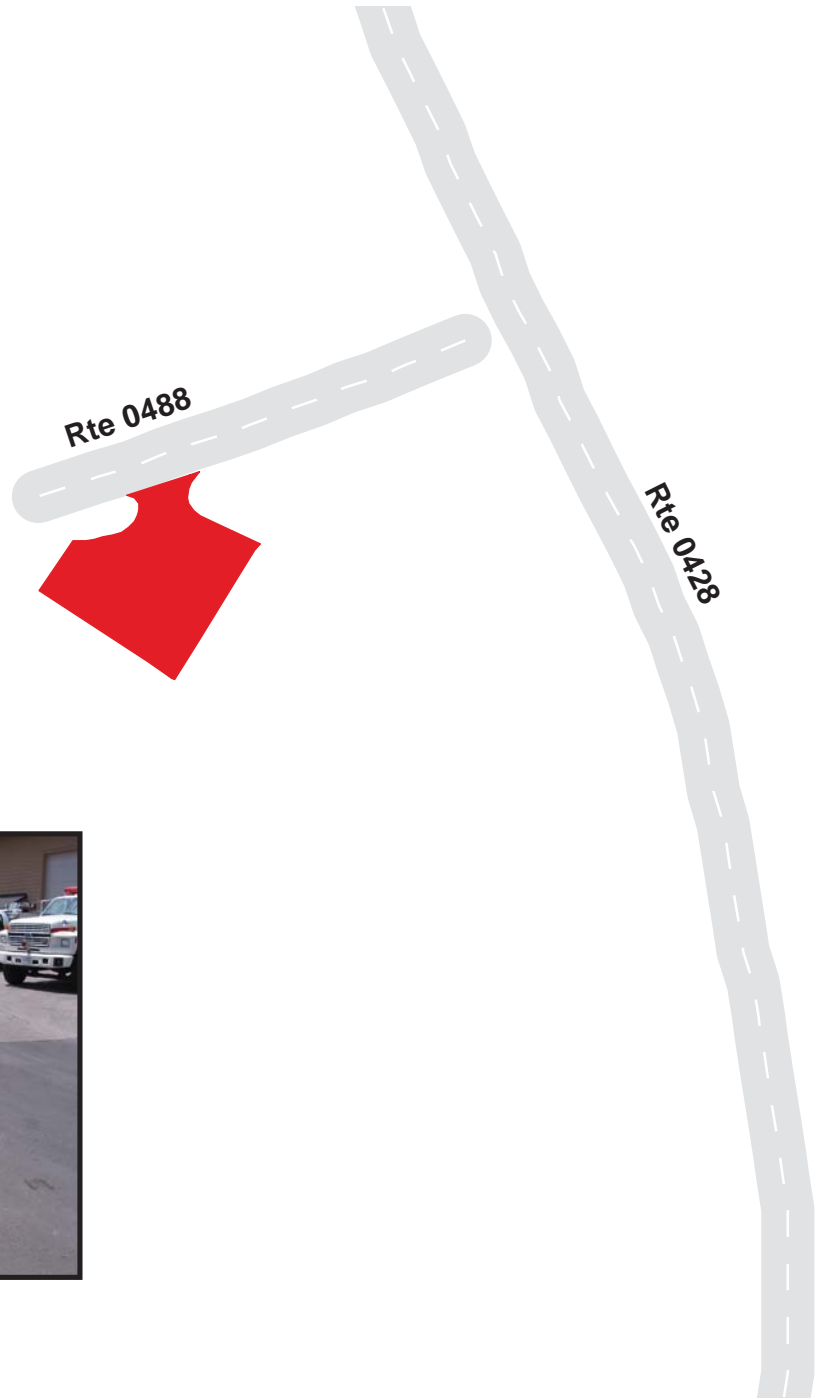
Route 0932

Fire Station Parking

From Route 0488

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0932	NonPublic	6/5/2003	5673	0.10	AS	FAIR / 73

* Lane miles are based on 11' lane widths



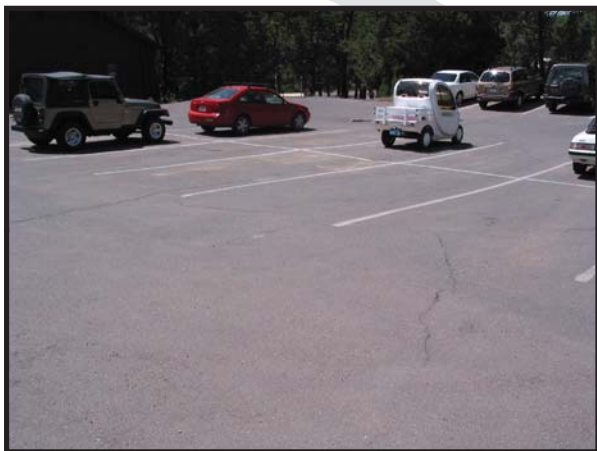
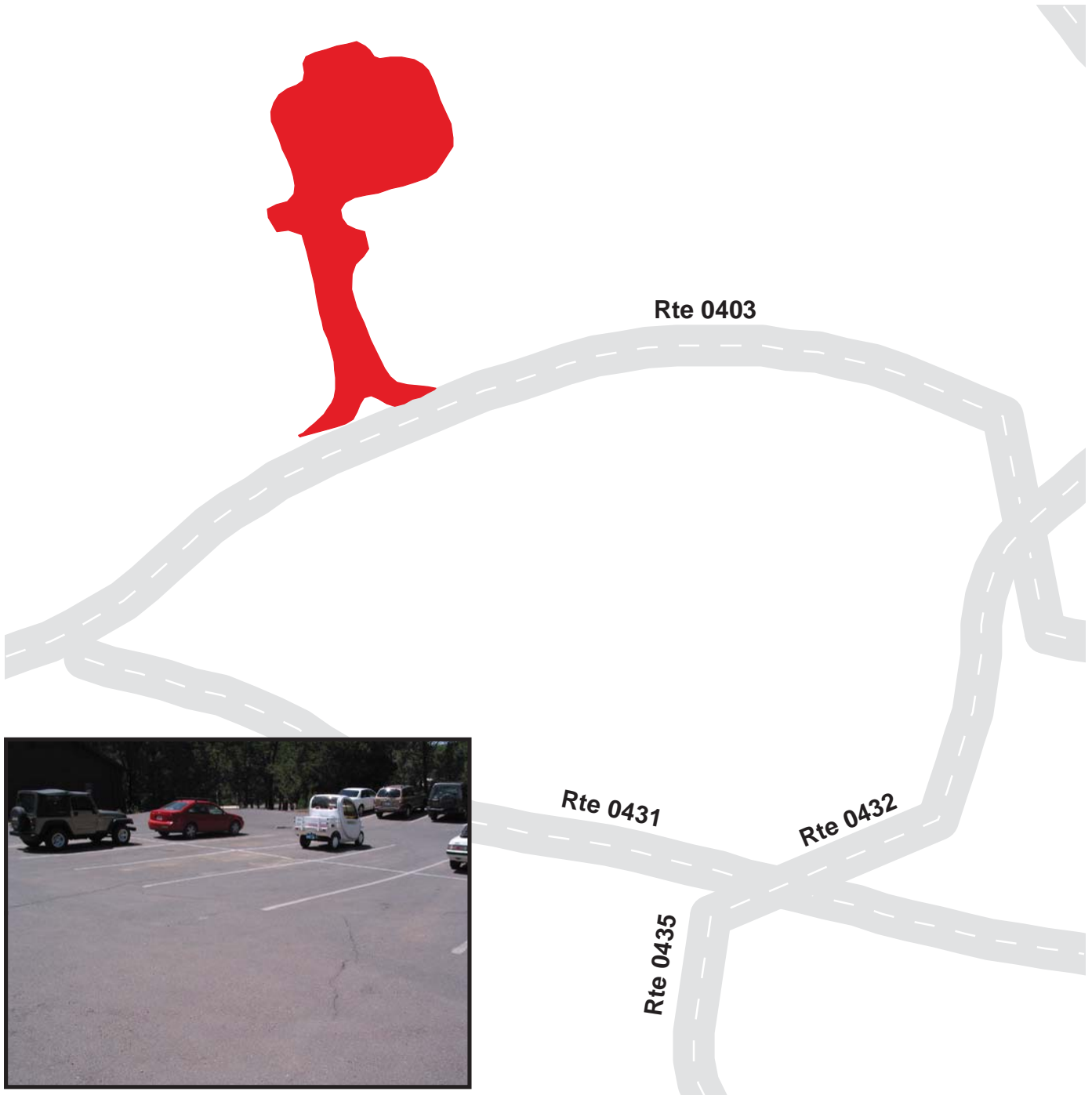
Grand Canyon National Park

Route 0933

Grand Canyon Association Parking
Adjacent To Route 0403 at MP 0.08

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0933	Public	6/5/2003	11336	0.20	AS	FAIR / 73

* Lane miles are based on 11' lane widths



100 50 0 100 Feet

N 7-38

Grand Canyon National Park

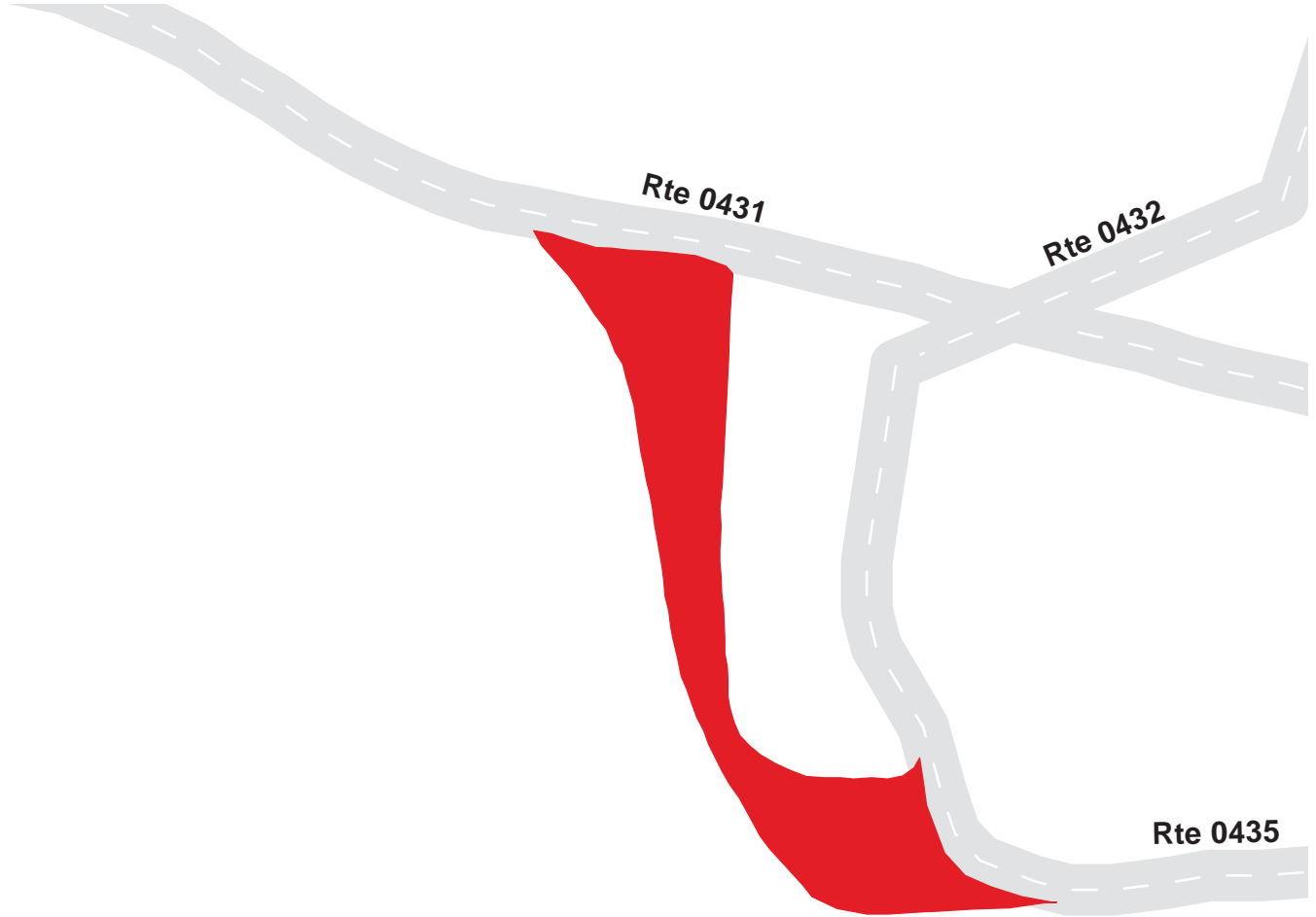
Route 0934A

Stable Parking Area A

From Route 0431

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0934A	NonPublic	6/5/2003	7935	0.14	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

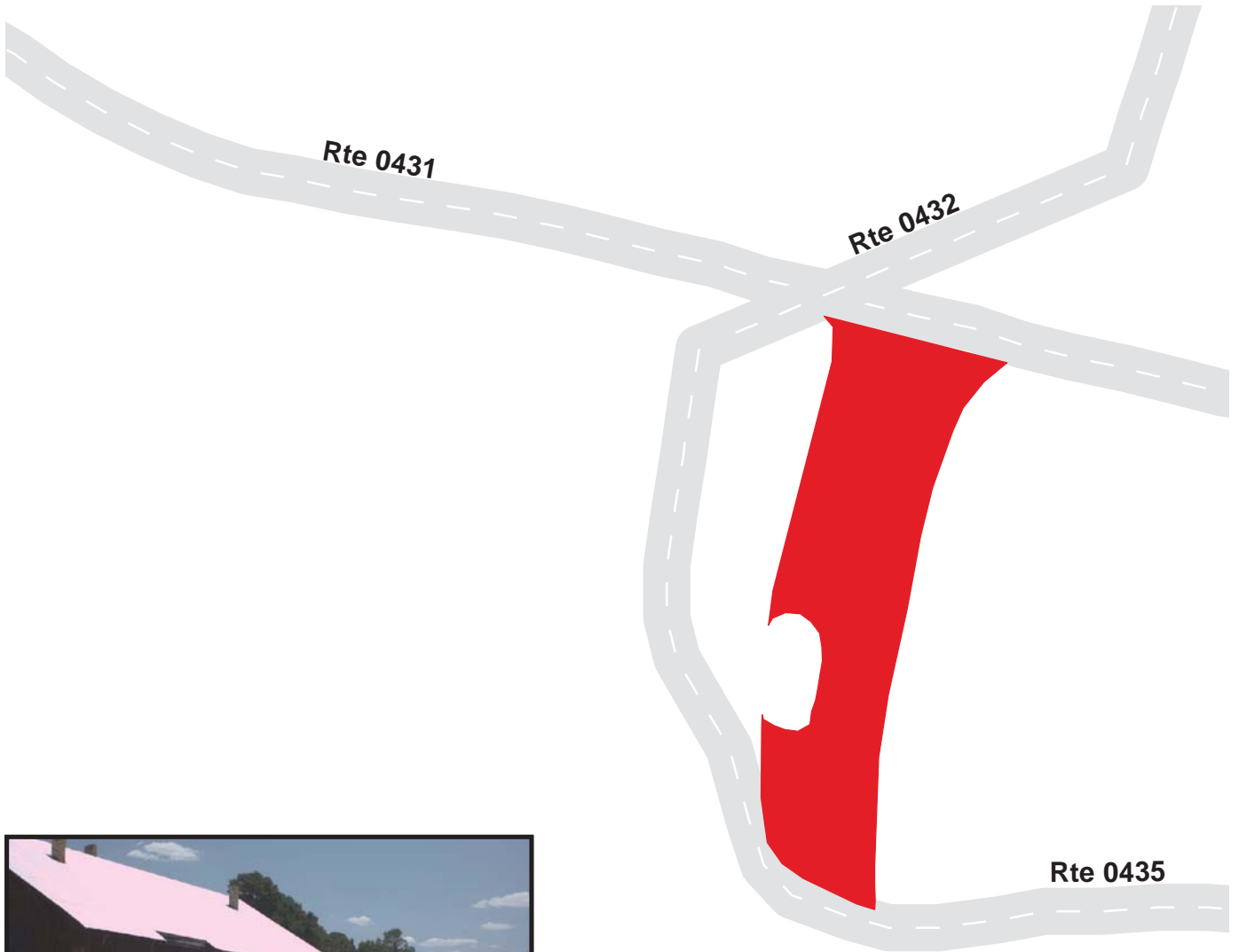
Route 0934B

Stable Parking Area B

Adjacent To Route 0435 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0934B	NonPublic	6/5/2003	6350	0.11	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

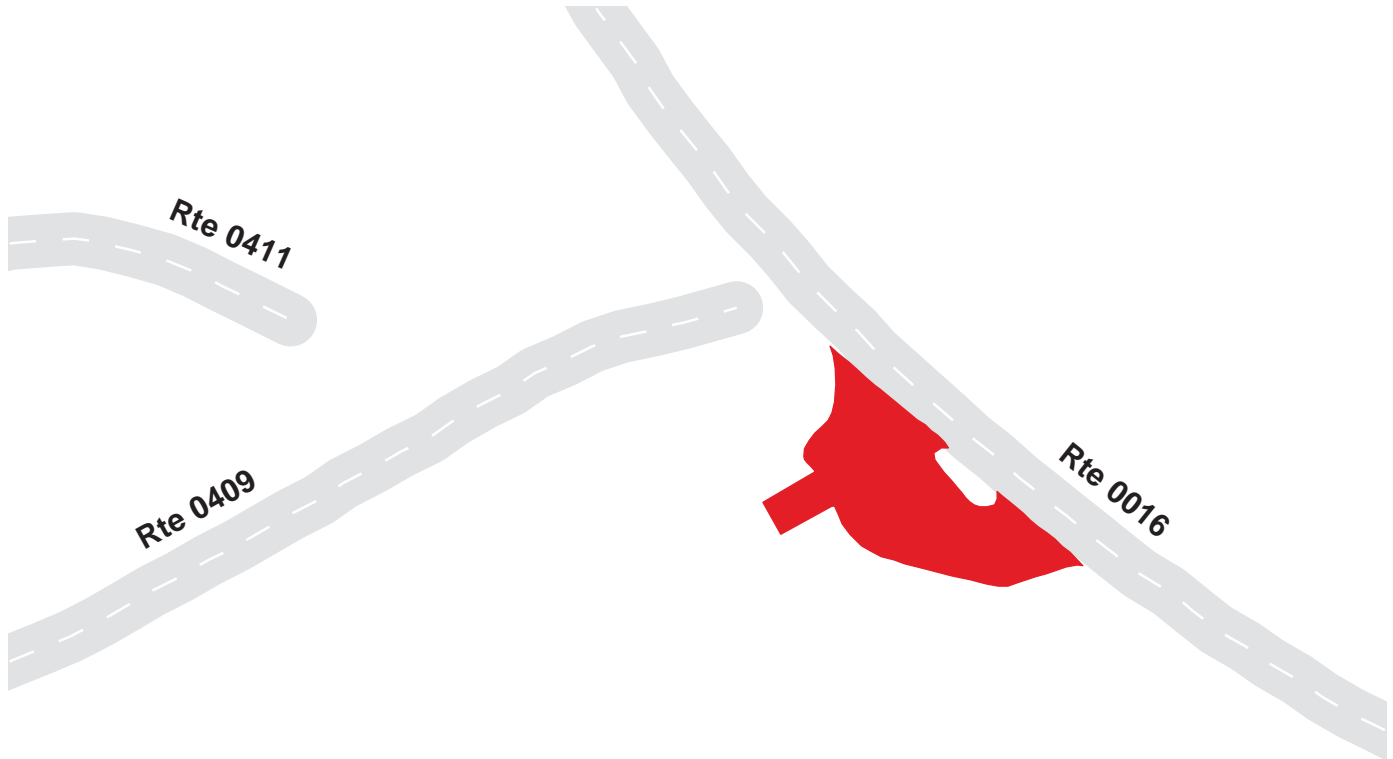
Route 0935

School Bus Parking

Adjacent To Route 0016 at MP 1.40

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0935	NonPublic	6/3/2003	8040	0.14	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0937

Clinic Parking

From Route 0288 on Left and Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0937	Public	6/5/2003	31391	0.54	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0938

Maintenance Parking

Adjacent To Route 0287 at MP 0.21

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0938	NonPublic	6/4/2003	9670	0.17	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

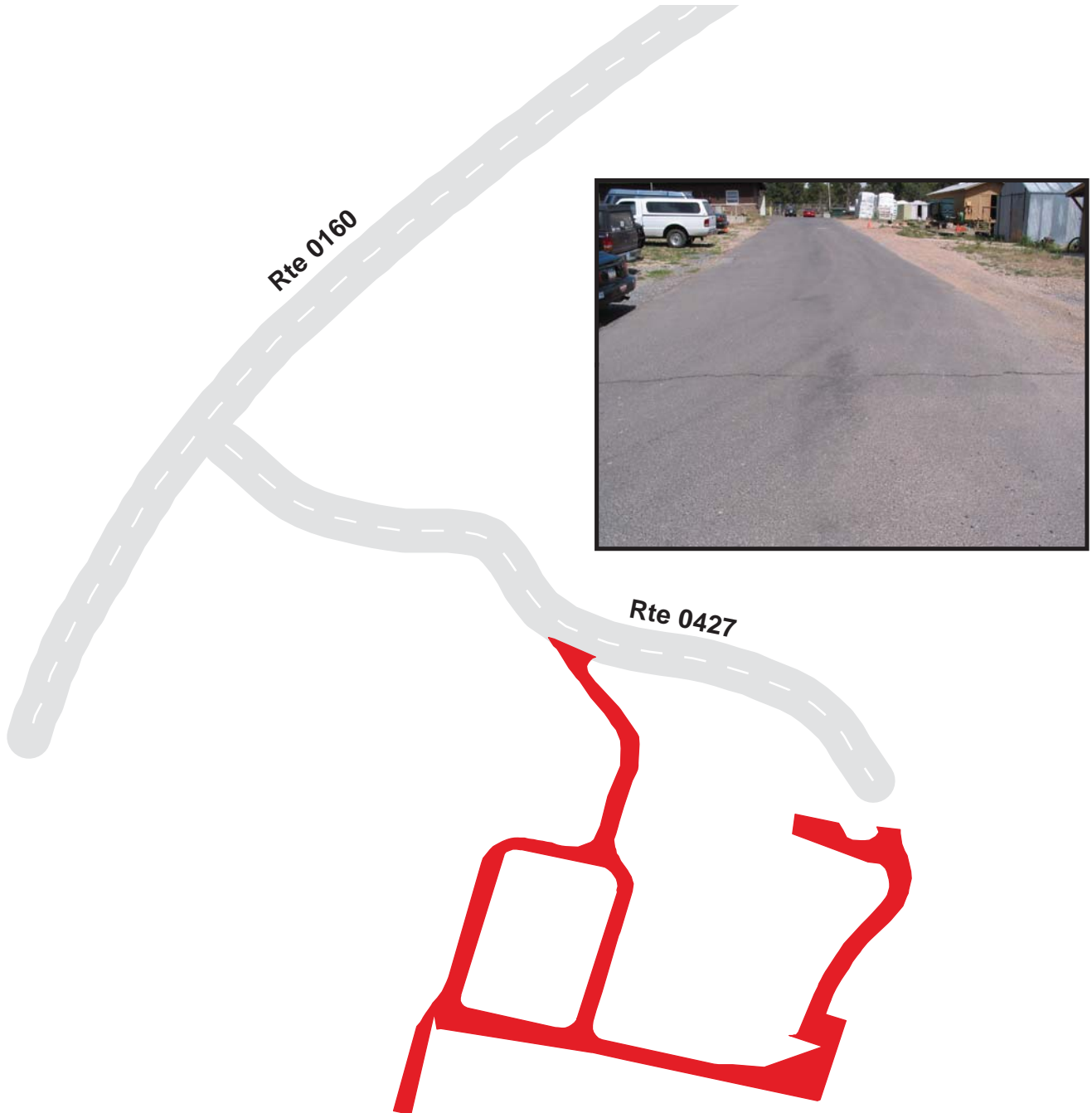
Route 0939

Wastewater Treatment Area

From Route 0427

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0939	NonPublic	6/4/2003	37016	0.64	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0940

Mather Lodge Parking

From Route 0446 and Route 0017

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0940	Public	6/3/2003	148087	2.55	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0941

Mather Campground Services Parking

From Route 0271

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0941	Public	6/5/2003	28149	0.48	AS	POOR / 45

* Lane miles are based on 11' lane widths



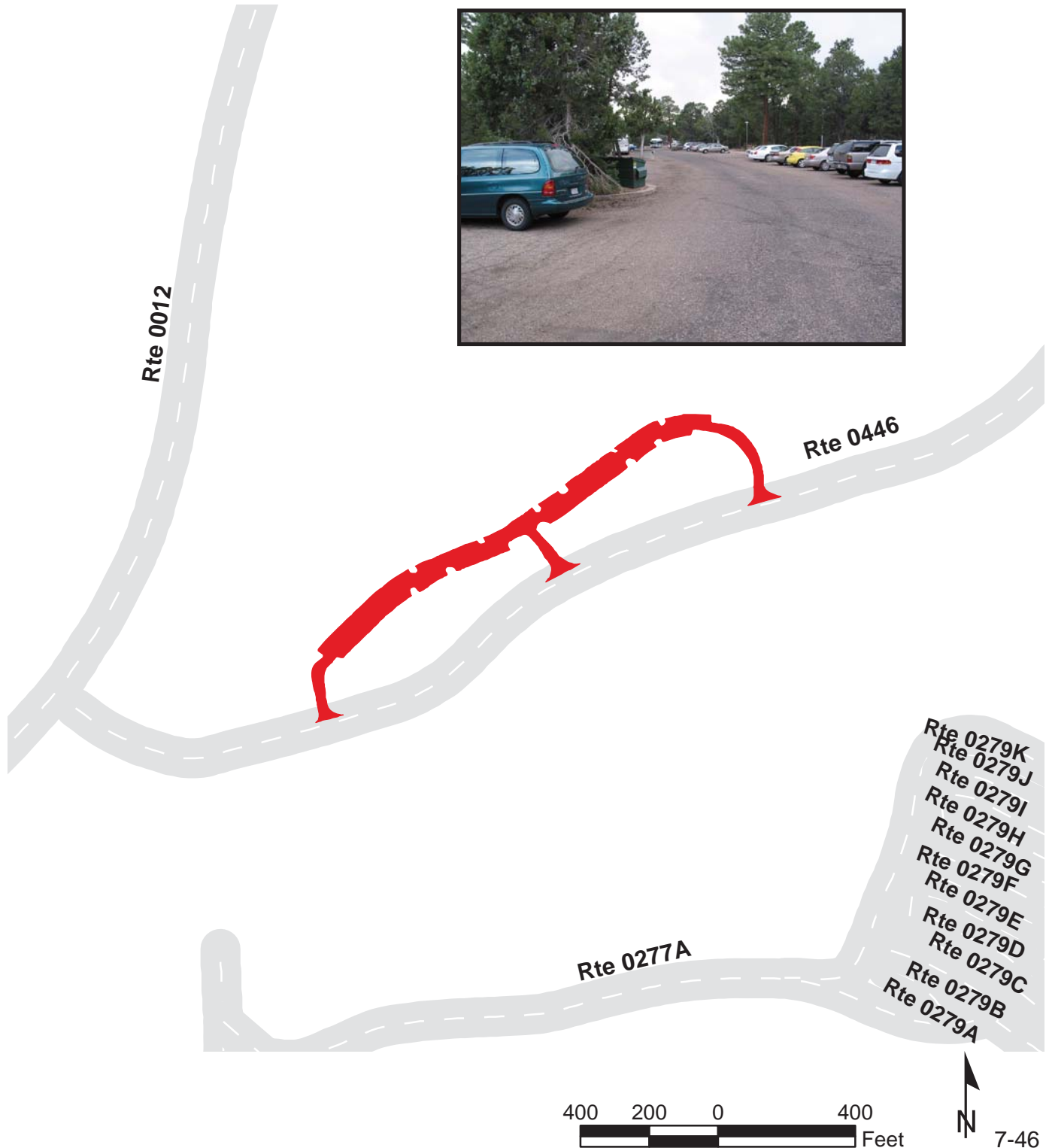
Grand Canyon National Park

Route 0942

Yavapai East Parking
From Route 0446 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0942	Public	6/4/2003	82590	1.42	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0943

Yavapai West I Parking
From Route 0446 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0943	Public	6/4/2003	71901	1.24	AS	POOR / 45

* Lane miles are based on 11' lane widths



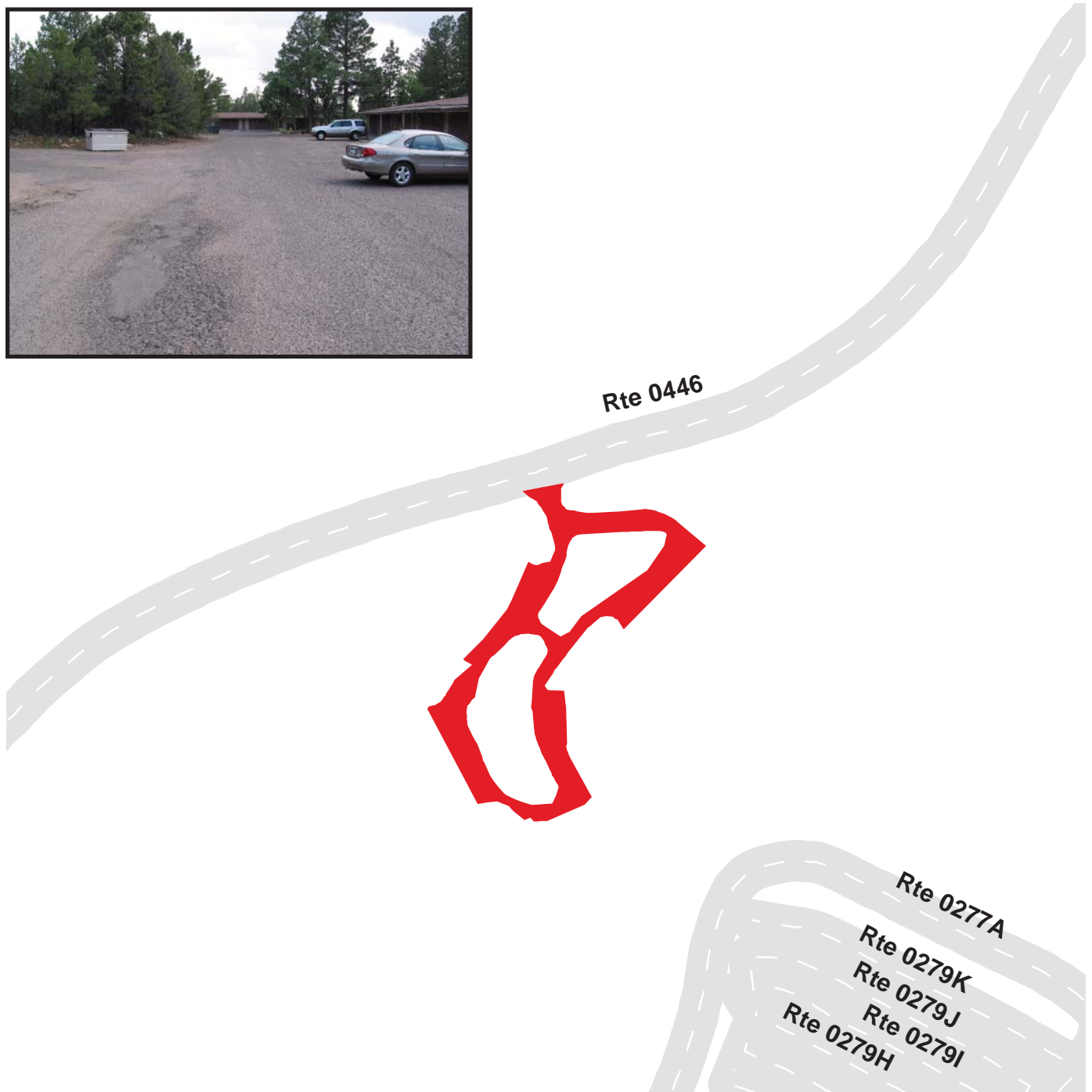
Grand Canyon National Park

Route 0944

Yavapai West II Parking
From Route 0446 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0944	Public	6/4/2003	53634	0.92	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

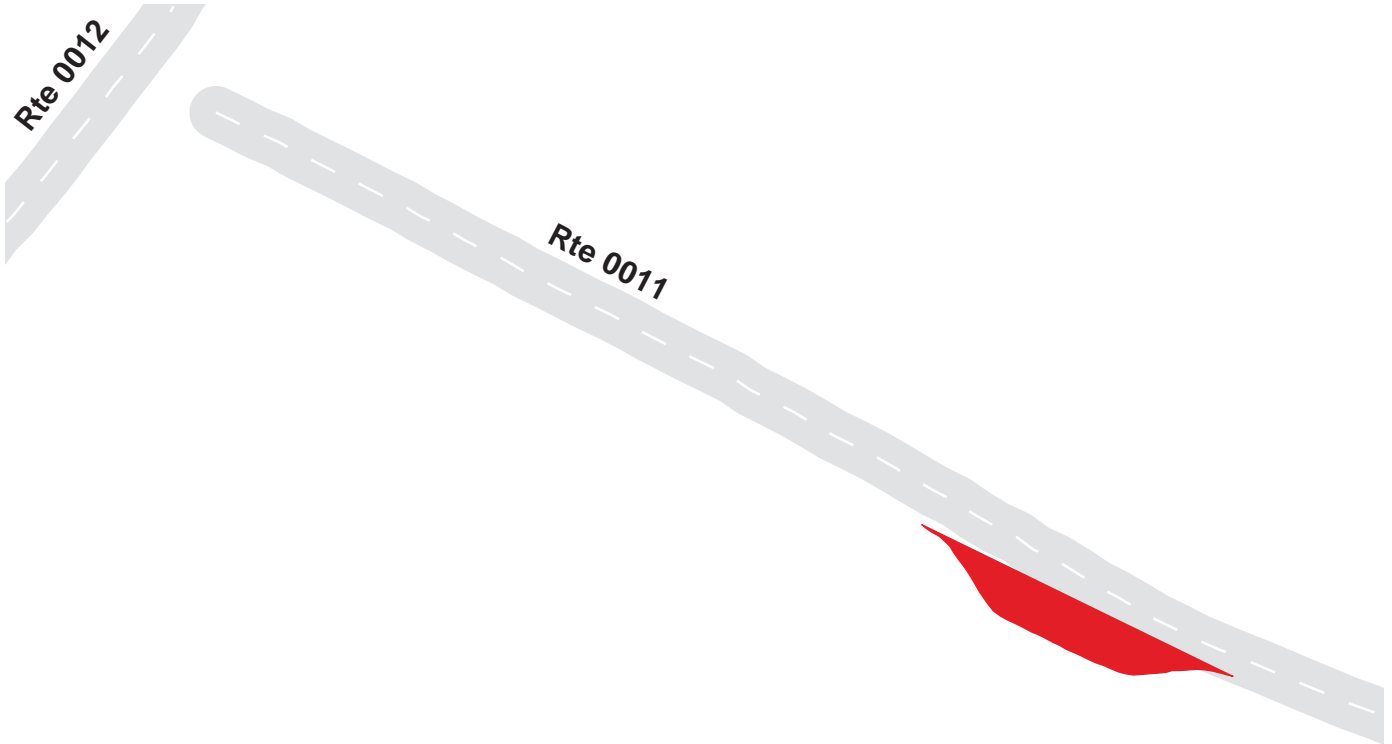
Route 0945

Parking at MP 0.14

Adjacent To Route 0011 at MP 0.14

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0945	Public	6/4/2003	5363	0.09	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

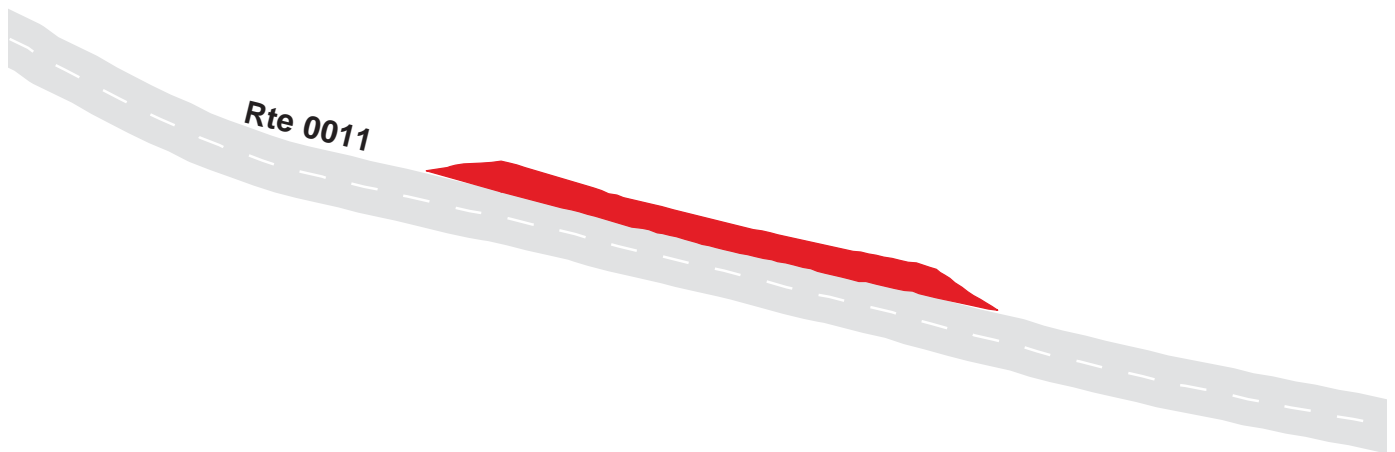
Route 0946

Parking at MP 0.64

Adjacent To Route 0011 at MP 0.64

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0946	Public	6/4/2003	8211	0.14	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

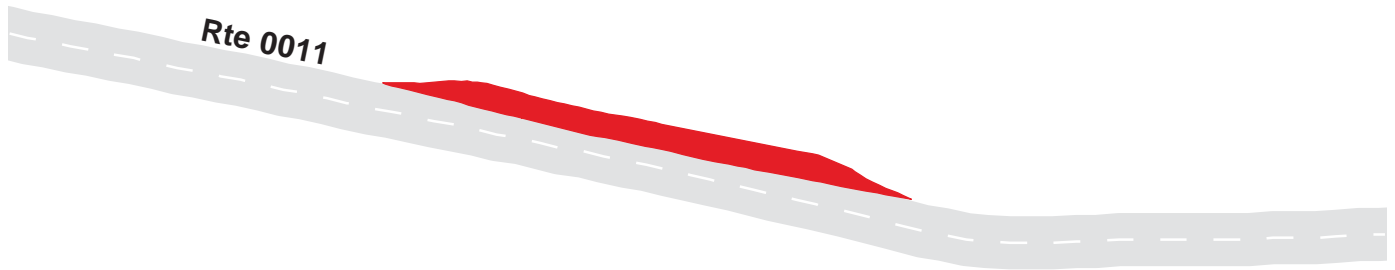
Route 0947

Parking at MP 0.88

Adjacent To Route 0011 at MP 0.88

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0947	Public	6/4/2003	6355	0.11	AS	FAIR / 73

* Lane miles are based on 11' lane widths



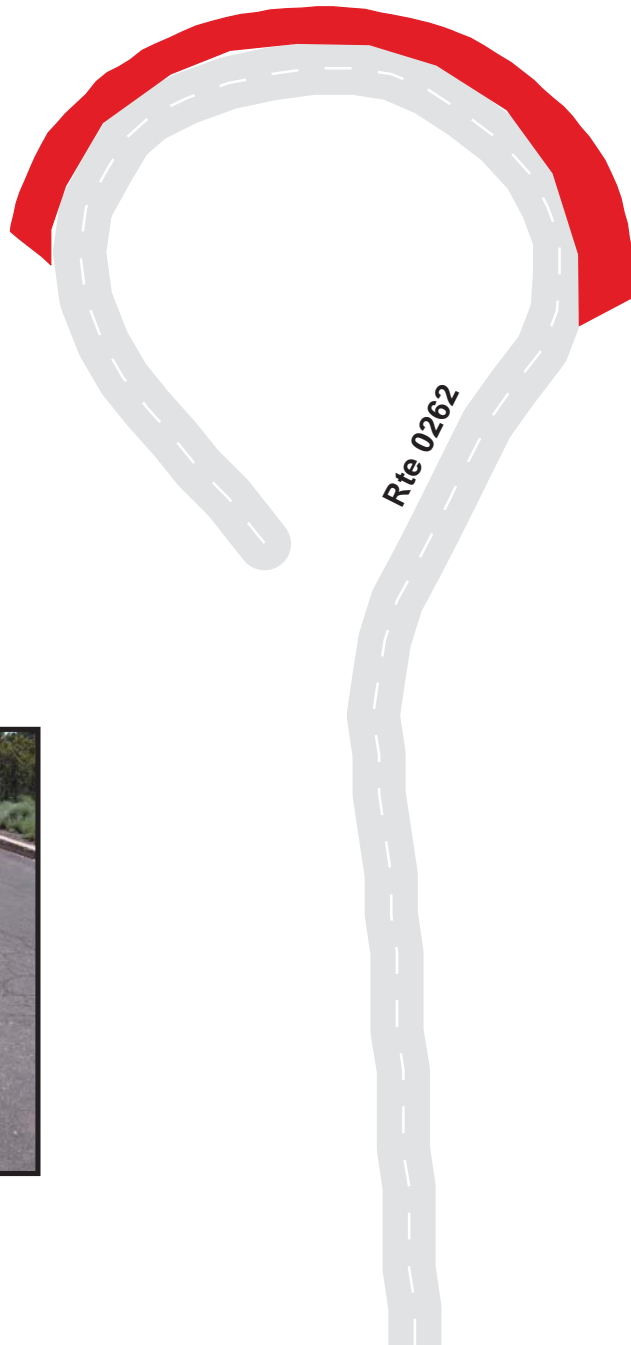
Grand Canyon National Park

Route 0948

Yaki Point Parking
Adjacent to Route 0262

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0948	Public	6/4/2003	6169	0.11	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0949

Kaibab Trail Service Road Parking

At End of Route 0263

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0949	Public	6/4/2003	21339	0.37	AS	FAIR / 73

* Lane miles are based on 11' lane widths



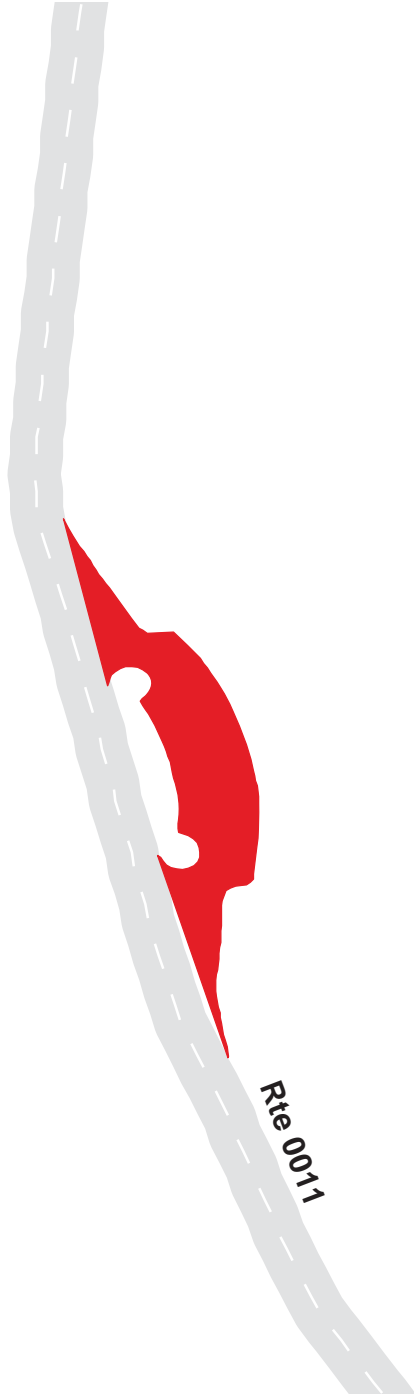
Grand Canyon National Park

Route 0950

Duck-on-a-Rock Overlook Parking
Adjacent To Route 0011 at MP 3.86

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0950	Public	6/4/2003	22776	0.39	AS	GOOD / 90

* Lane miles are based on 11' lane widths



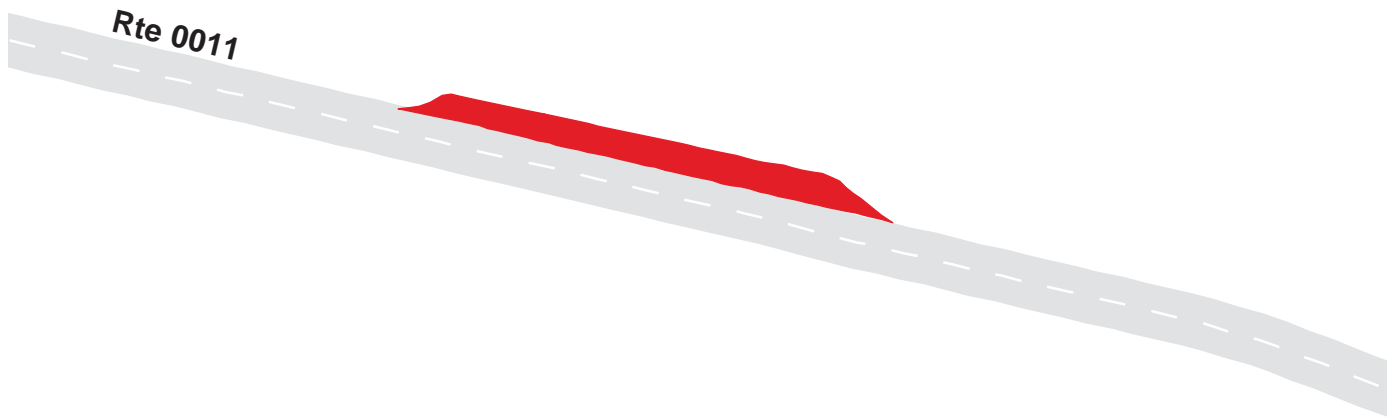
Grand Canyon National Park

Route 0951

Twin Overlook Parking
Adjacent To Route 0011 at MP 4.68

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0951	Public	6/4/2003	5859	0.10	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

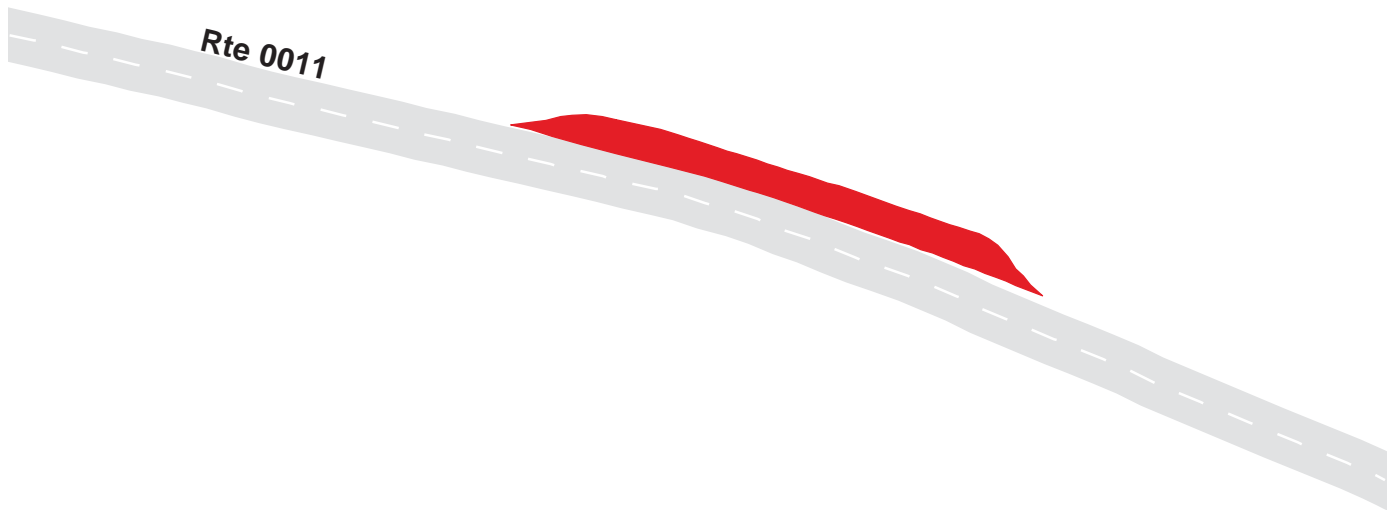
Route 0952

Pullout Parking at MP 4.80

Adjacent To Route 0011 at MP 4.80

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0952	Public	6/4/2003	5996	0.10	AS	GOOD / 90

* Lane miles are based on 11' lane widths



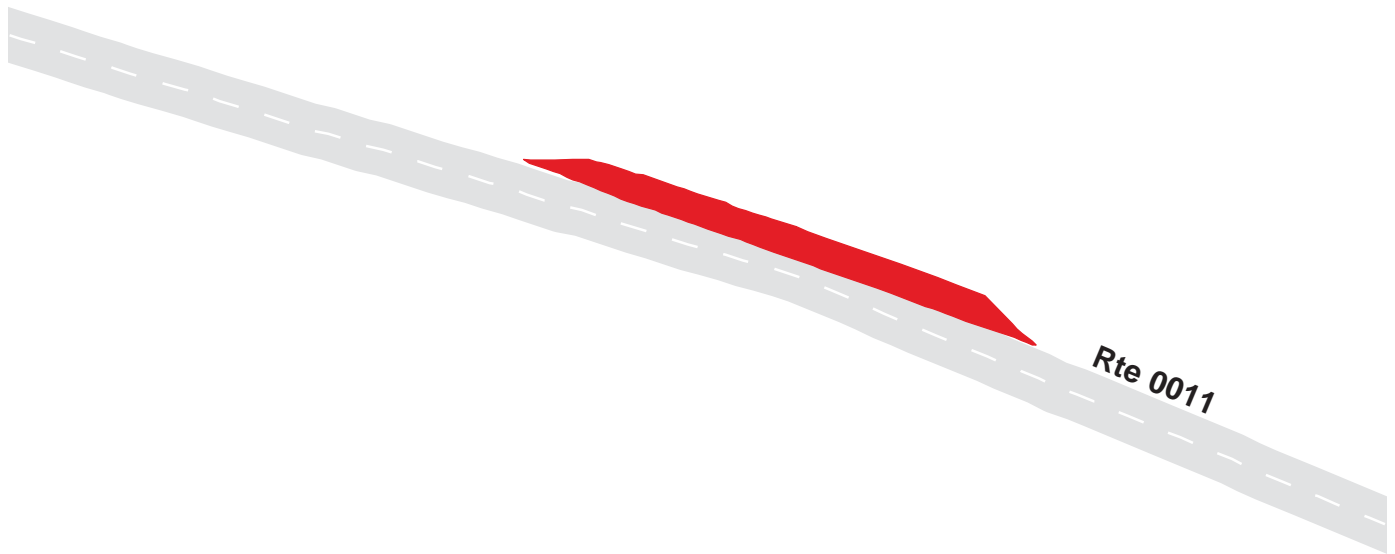
Grand Canyon National Park

Route 0953

Thor's Hammer Overlook Parking
Adjacent To Route 0011 at MP 6.50

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0953	Public	6/4/2003	10745	0.19	AS	GOOD / 90

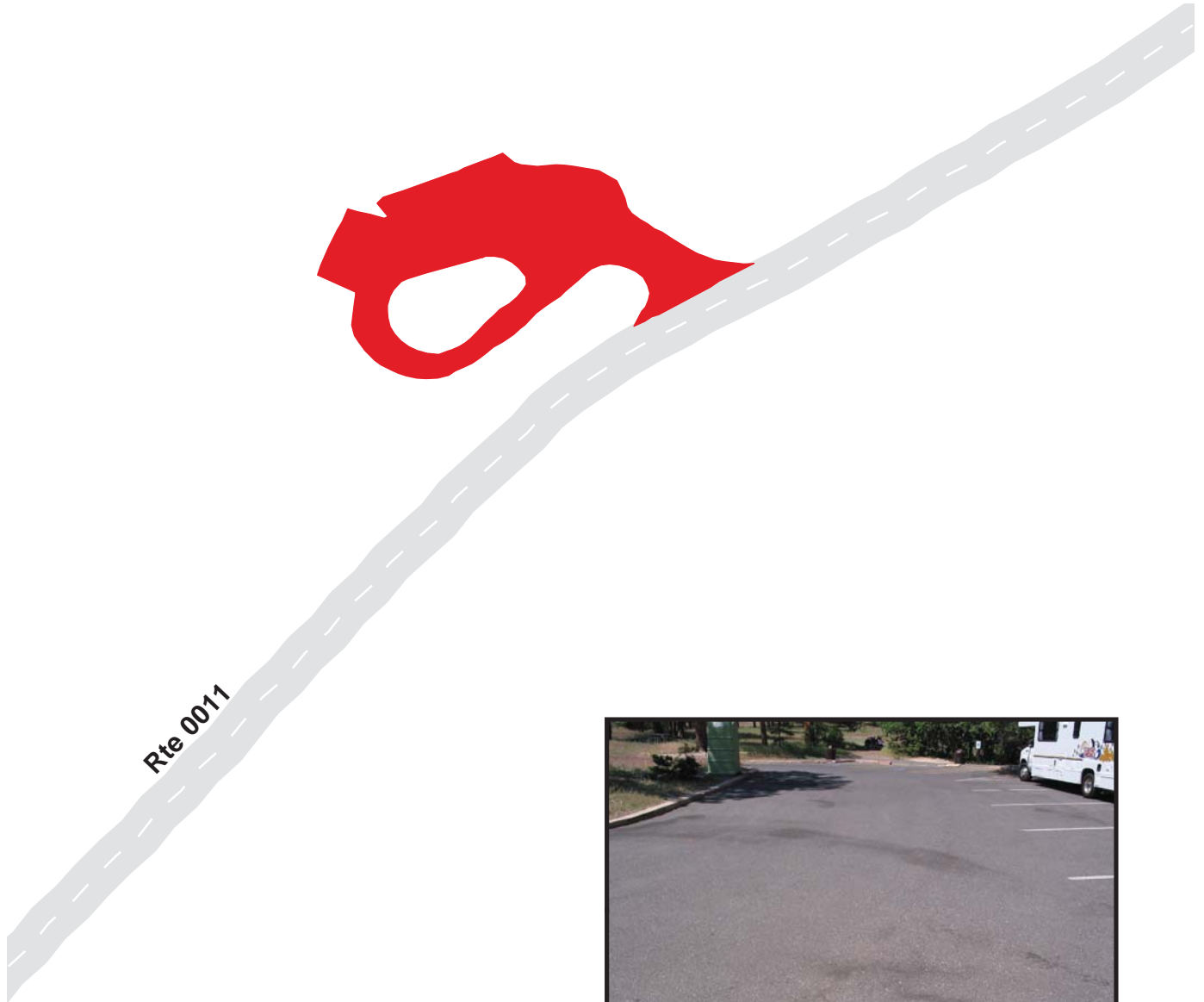
* Lane miles are based on 11' lane widths



Grand Canyon National Park
Route 0954
 Buggeln Picnic Area
 Adjacent To Route 0011 at MP 12.00

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0954	Public	6/4/2003	11489	0.20	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

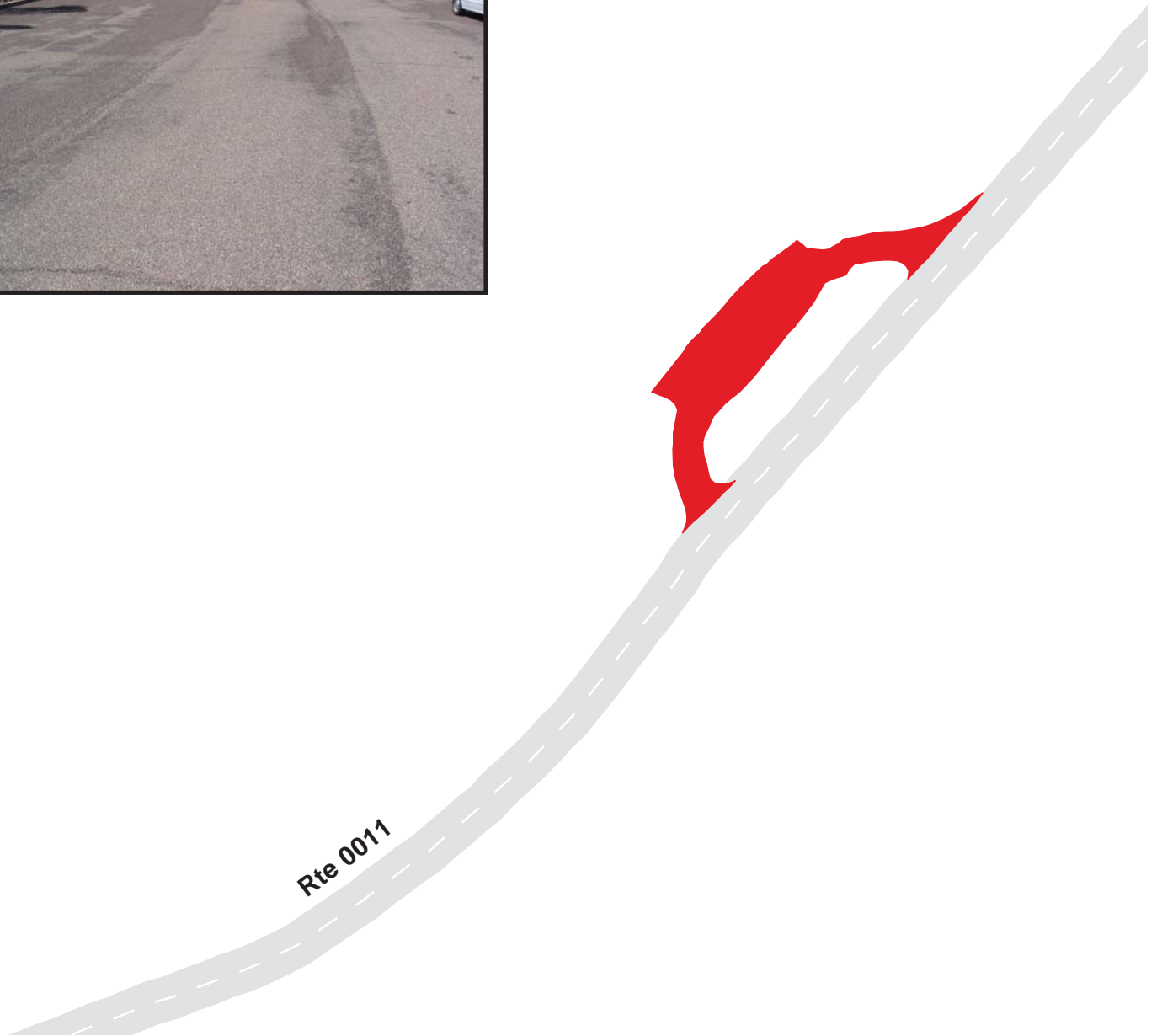
Route 0955

No-Name Point Parking

Adjacent To Route 0011 at MP 19.45

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0955	Public	6/4/2003	14409	0.25	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park
Route 0956
 Navajo Point Parking
 Adjacent To Route 0011 at MP 20.86

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0956	Public	6/4/2003	26012	0.45	AS	FAIR / 73

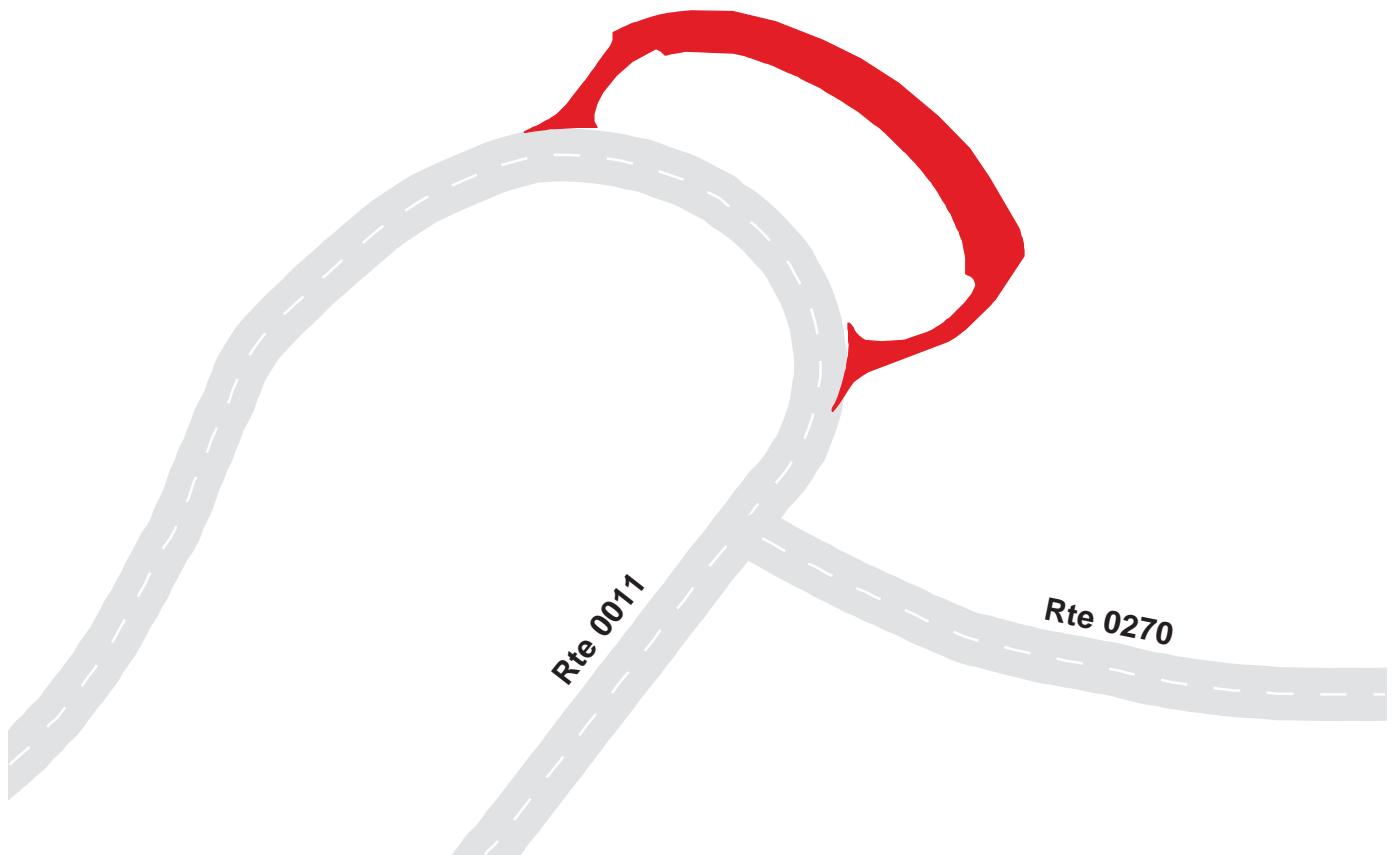
* Lane miles are based on 11' lane widths



Grand Canyon National Park
Route 0957
Desert View Parking
Adjacent To Route 0011 at MP 21.68

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0957	Public	6/4/2003	69881	1.20	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0958

Desert View Gas Station

Adjacent To Route 0011 at MP 21.88

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0958	Public	6/4/2003	24907	0.43	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

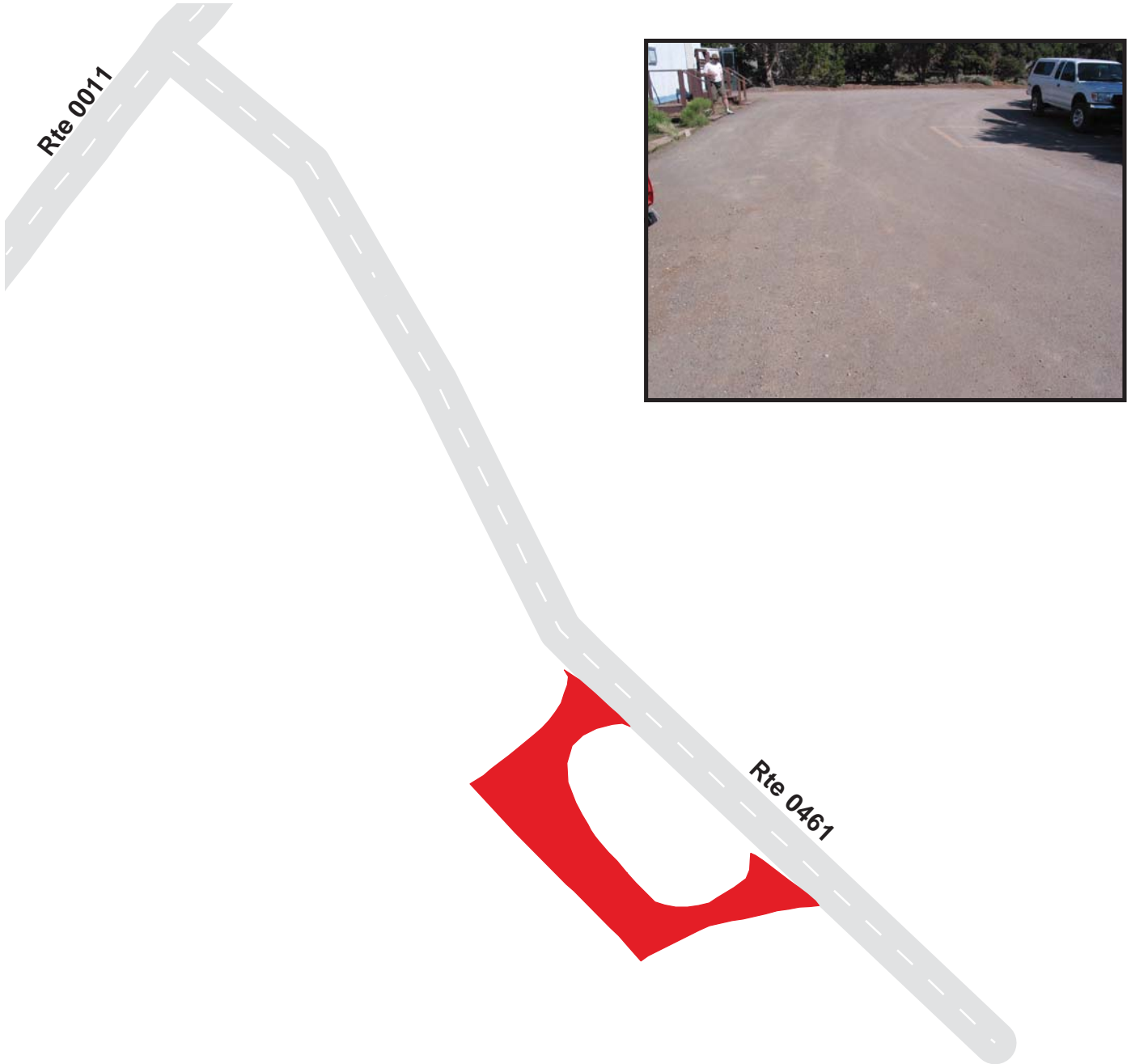
Route 0959

East Entrance Ranger Station Parking

Adjacent To Route 0461

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0959	Public	6/4/2003	5384	0.09	AS	FAIR / 73

* Lane miles are based on 11' lane widths



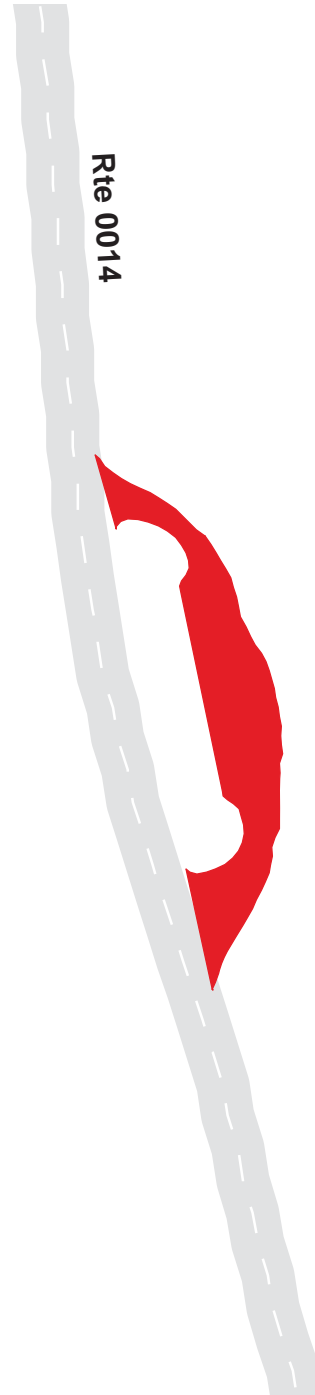
Grand Canyon National Park

Route 0960

North Rim Entrance Parking
Adjacent To Route 0014 at MP 0.18

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0960	Public	6/4/2003	6514	0.11	OC	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0961

North Rim Forest Parking
Adjacent To Route 0014 at MP 4.03

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0961	Public	6/4/2003	10496	0.18	OC	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0963

Kaibab Trailhead Parking

Adjacent To Route 0014 at MP 10.64

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0963	Public	6/4/2003	25737	0.44	AS	FAIR / 73

* Lane miles are based on 11' lane widths



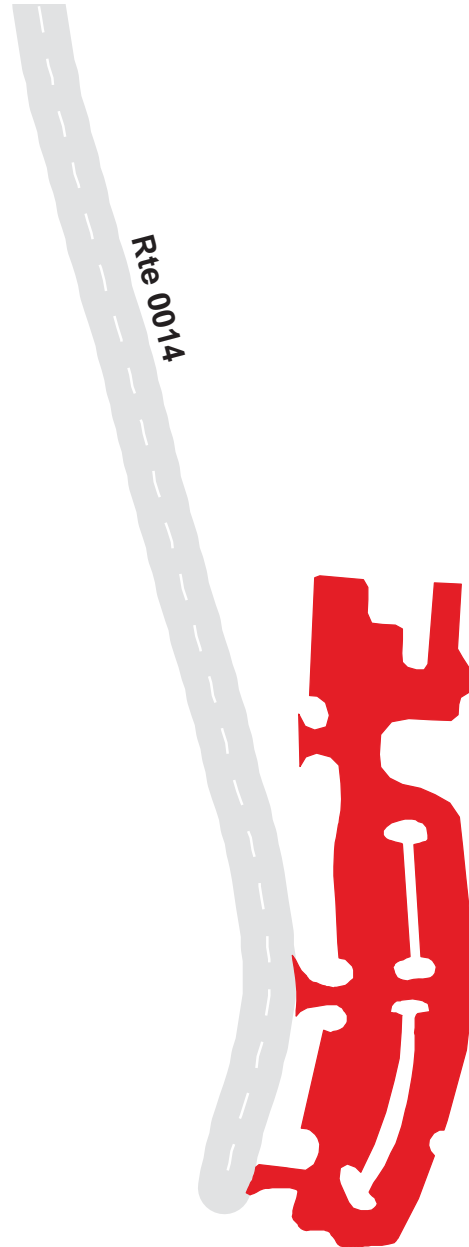
Grand Canyon National Park

Route 0965

North Rim Visitor Center Parking
Adjacent To Route 0014 at MP 12.48

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0965	Public	6/4/2003	130951	2.25	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

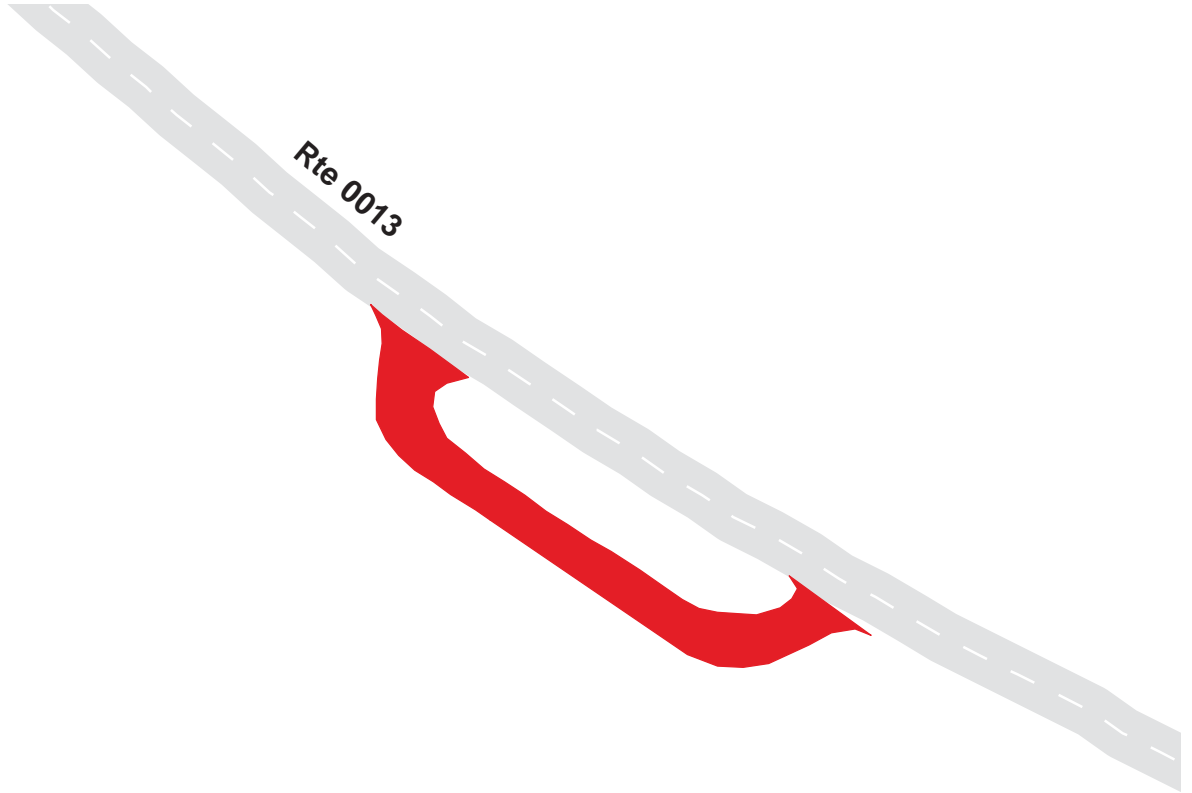
Route 0966

Mixed Blessings Parking

Adjacent To Route 0013 at MP 3.78

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0966	Public	6/4/2003	4612	0.08	OC	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

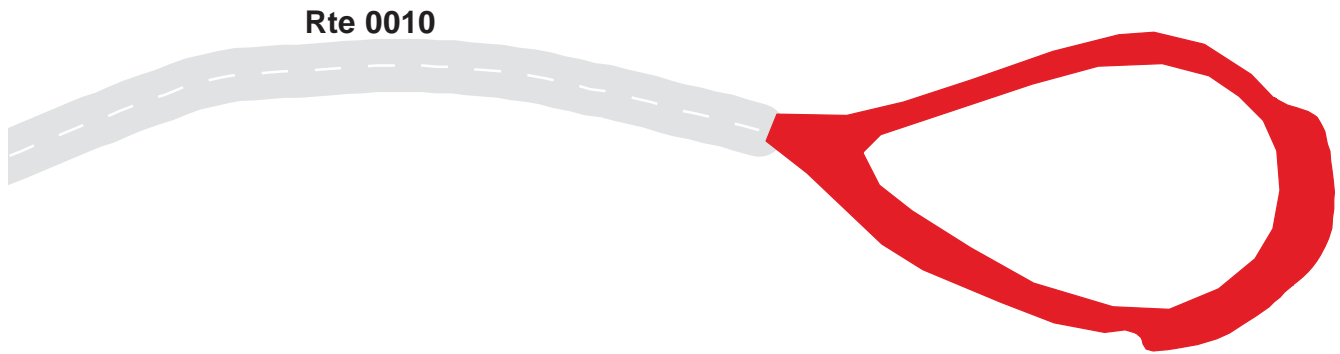
Route 0967

Point Imperial Parking

At End of Route 0010

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0967	Public	6/4/2003	50488	0.87	OC	FAIR / 73

* Lane miles are based on 11' lane widths



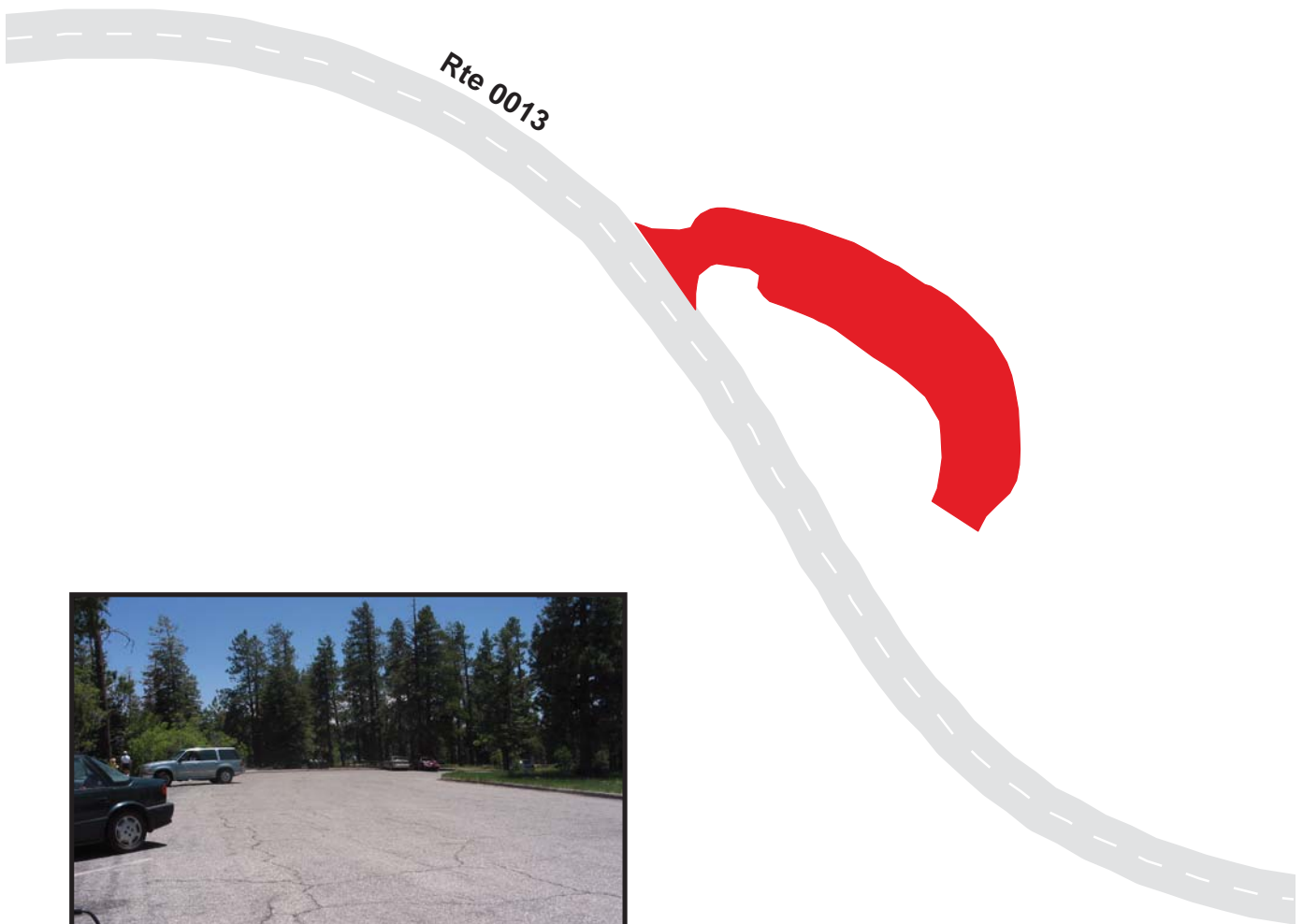
Grand Canyon National Park

Route 0968

Vista Encantada/Picnic Area
Adjacent To Route 0013 at MP 10.0

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0968	Public	6/4/2003	12590	0.22	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0969

Roosevelt Point Parking

Adjacent To Route 0013 at MP 11.7

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0969	Public	6/4/2003	5514	0.09	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0970

Wahalla Plateau Overlook Parking
Adjacent To Route 0013 at MP 18.3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0970	Public	6/4/2003	27283	0.47	AS	POOR / 45

* Lane miles are based on 11' lane widths



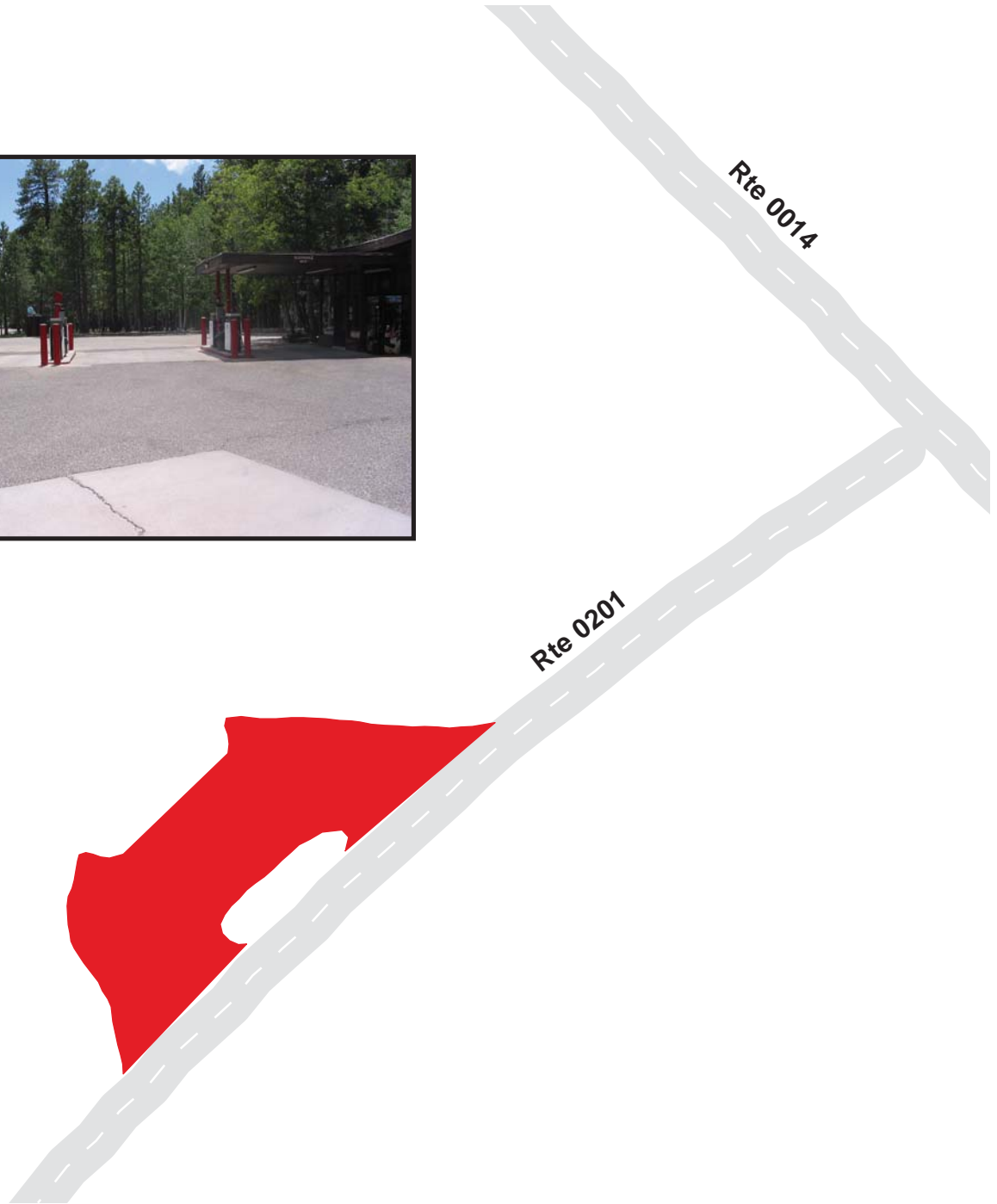
Grand Canyon National Park

Route 0971

Gas Station Parking
Adjacent To Route 0201

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0971	Public	6/5/2003	10269	0.18	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0972

North Rim Campground Showers & Laundrymat Parking
Adjacent To Route 0201

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0972	Public	6/5/2003	4894	0.08	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0973

North Rim Campground General Store Parking
Adjacent To Route 0273A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0973	Public	6/5/2003	2323	0.04	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0974

Grand Canyon Lodge Parking

At End of Route 0014

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0974	NonPublic	6/4/2003	22747	0.39	OC	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

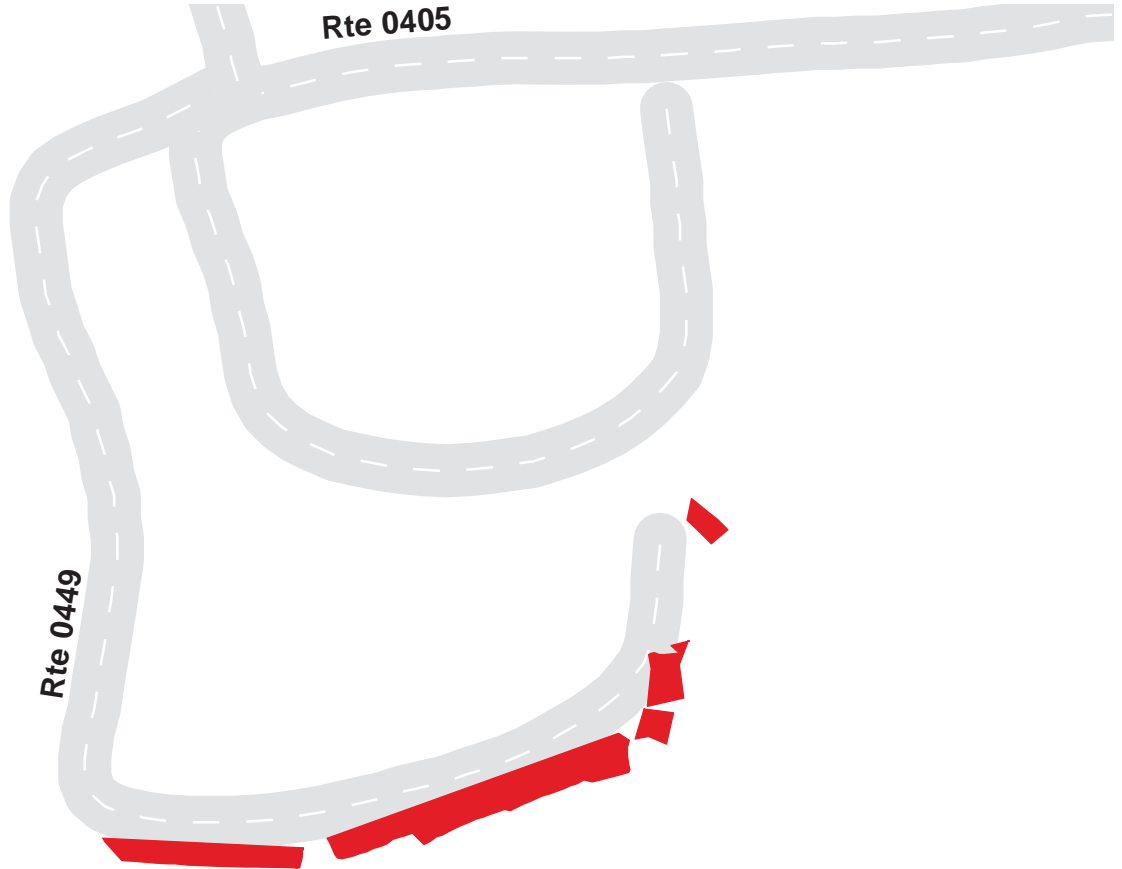
Route 0975

North Rim Residence Parking

Adjacent To Route 0449

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0975	NonPublic	6/5/2003	10419	0.18	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0976

Unit Office Parking
Adjacent To Route 0405

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0976	NonPublic	6/5/2003	2607	0.04	AS	FAIR / 73

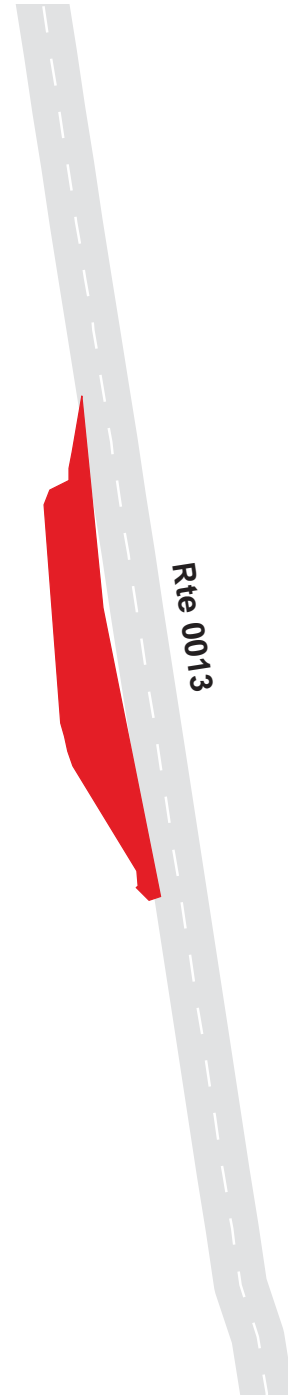
* Lane miles are based on 11' lane widths



Grand Canyon National Park
Route 0977
 North Rim Fire Parking
 Adjacent To Route 0013 at MP 13.85

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0977	Public	6/4/2003	1778	0.03	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0978

Greenland Lakes Sinkholes Park
Adjacent To Route 0013 at MP 8.0

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0978	Public	6/4/2003	1297	0.02	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

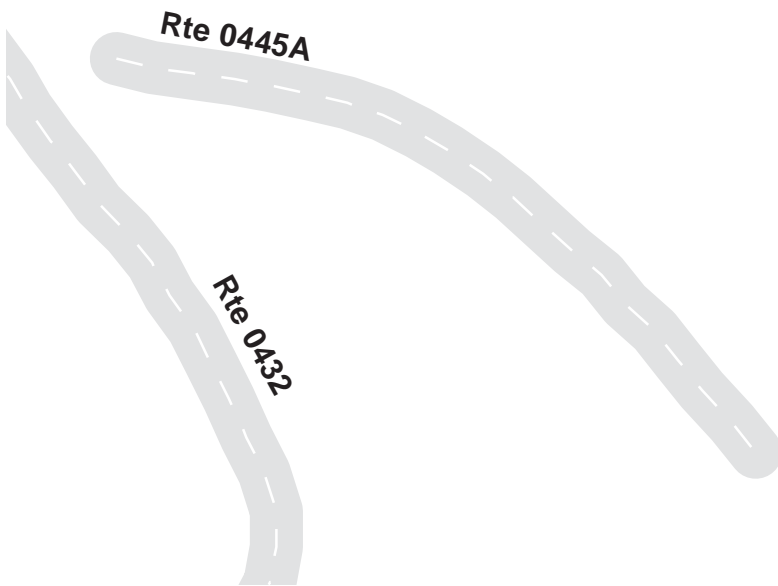
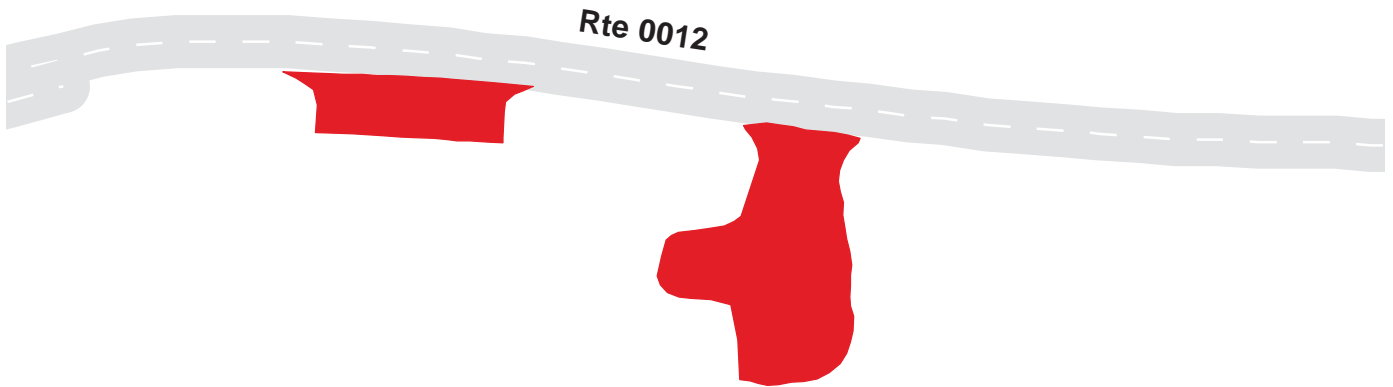
Route 0979

Garage Parking

Adjacent To Route 0012 at MP 7.3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0979	NonPublic	6/6/2003	7775	0.13	AS	GOOD / 90

* Lane miles are based on 11' lane widths



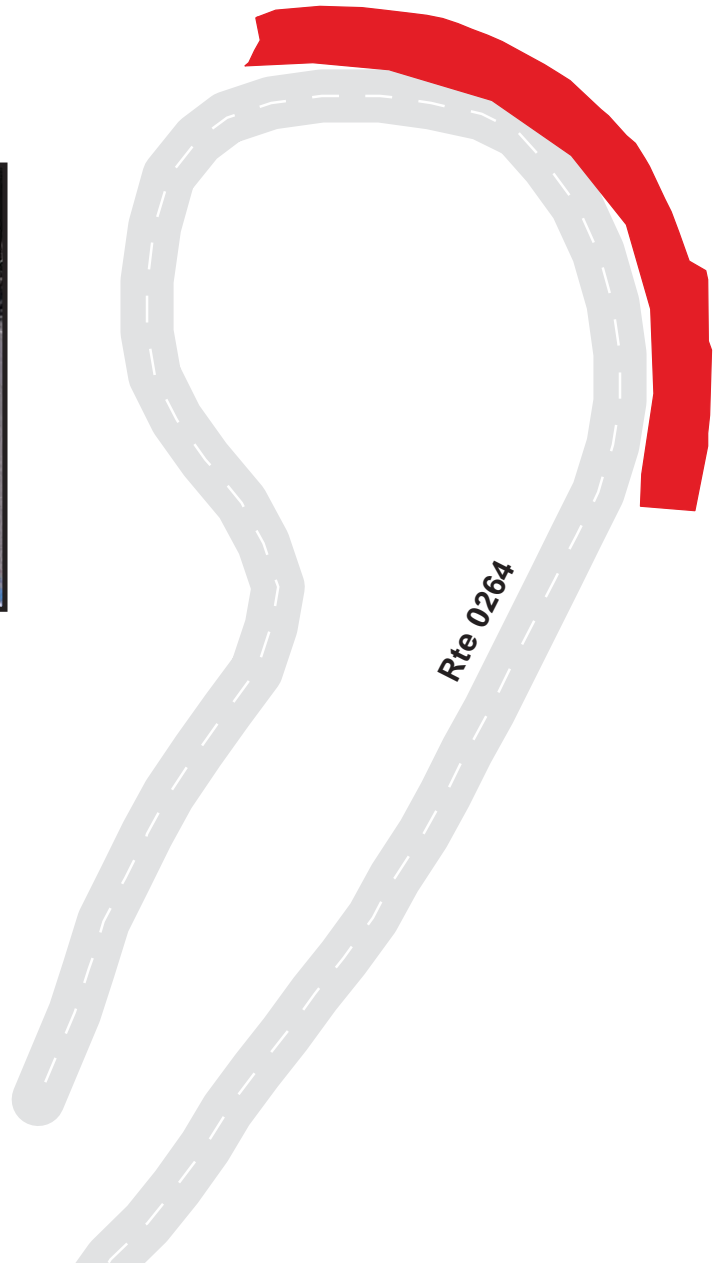
Grand Canyon National Park

Route 0980A

Grandview Point Road Parking A
Adjacent To Route 0264 at MP 0.65 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0980A	Public	6/4/2003	5121	0.09	AS	FAIR / 73

* Lane miles are based on 11' lane widths



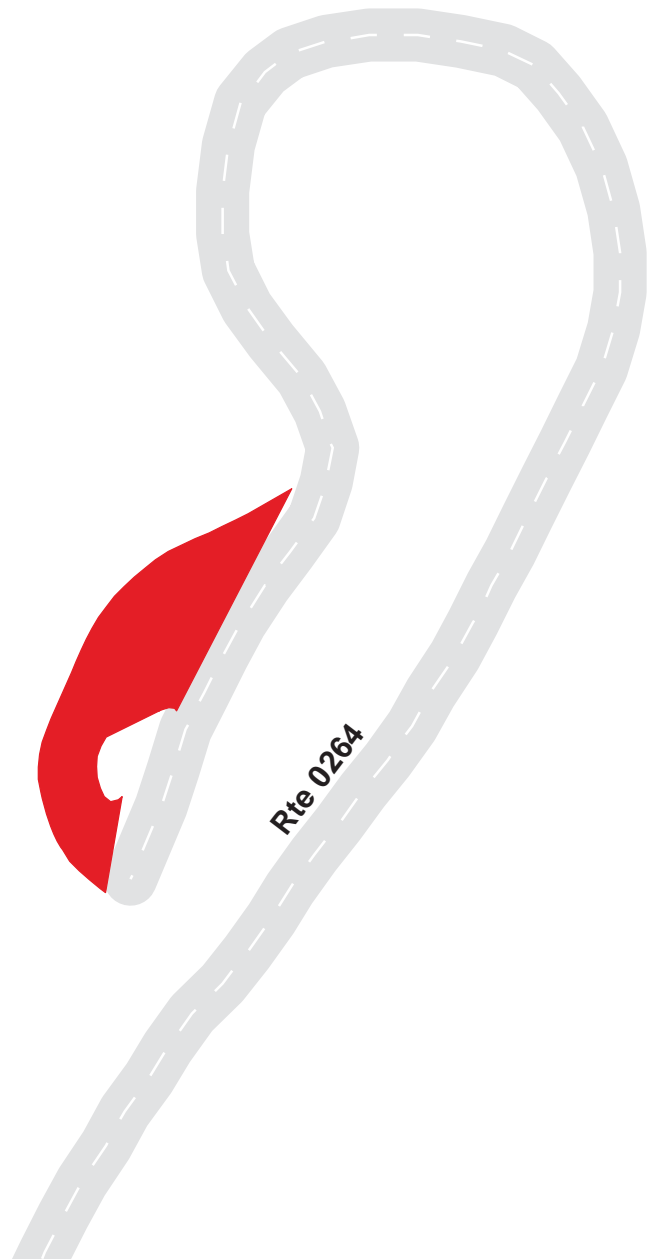
Grand Canyon National Park

Route 0980B

Grandview Point Road Parking B
Adjacent to Route 0264 at MP 0.72 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0980B	Public	6/4/2003	5397	0.09	AS	GOOD / 90

* Lane miles are based on 11' lane widths



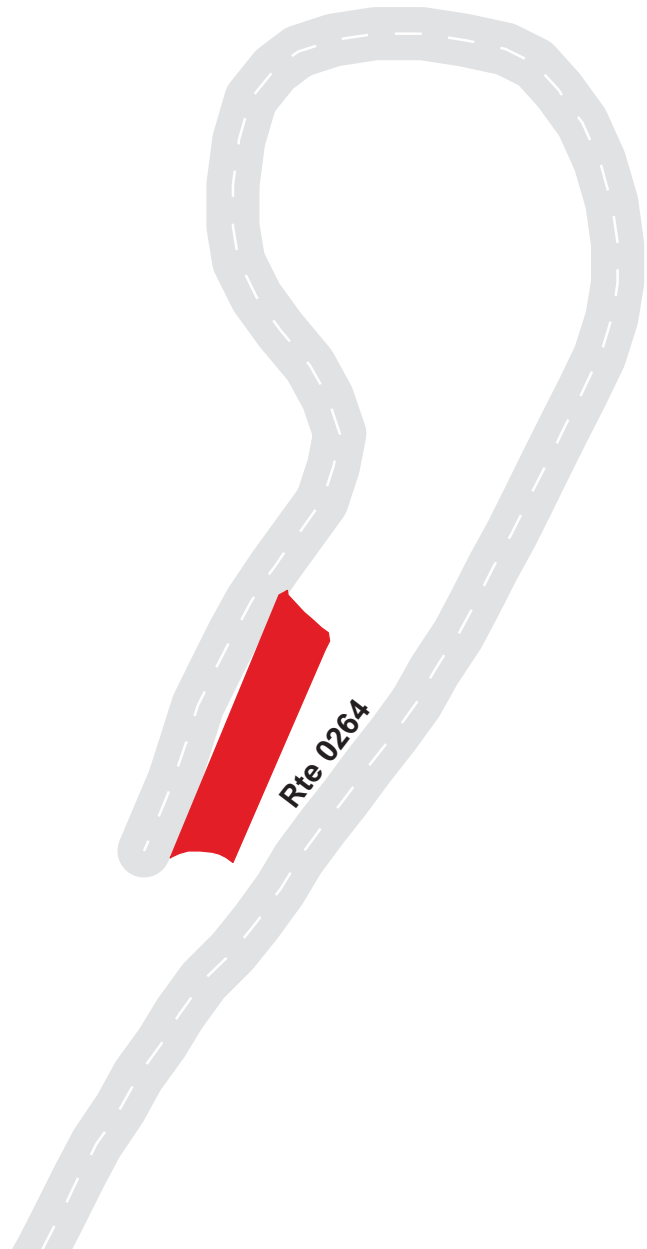
Grand Canyon National Park

Route 0980C

Grandview Point Road Parking
Adjacent To Route 0264 at MP 0.72 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0980C	Public	6/4/2003	2891	0.05	AS	GOOD / 90

* Lane miles are based on 11' lane widths



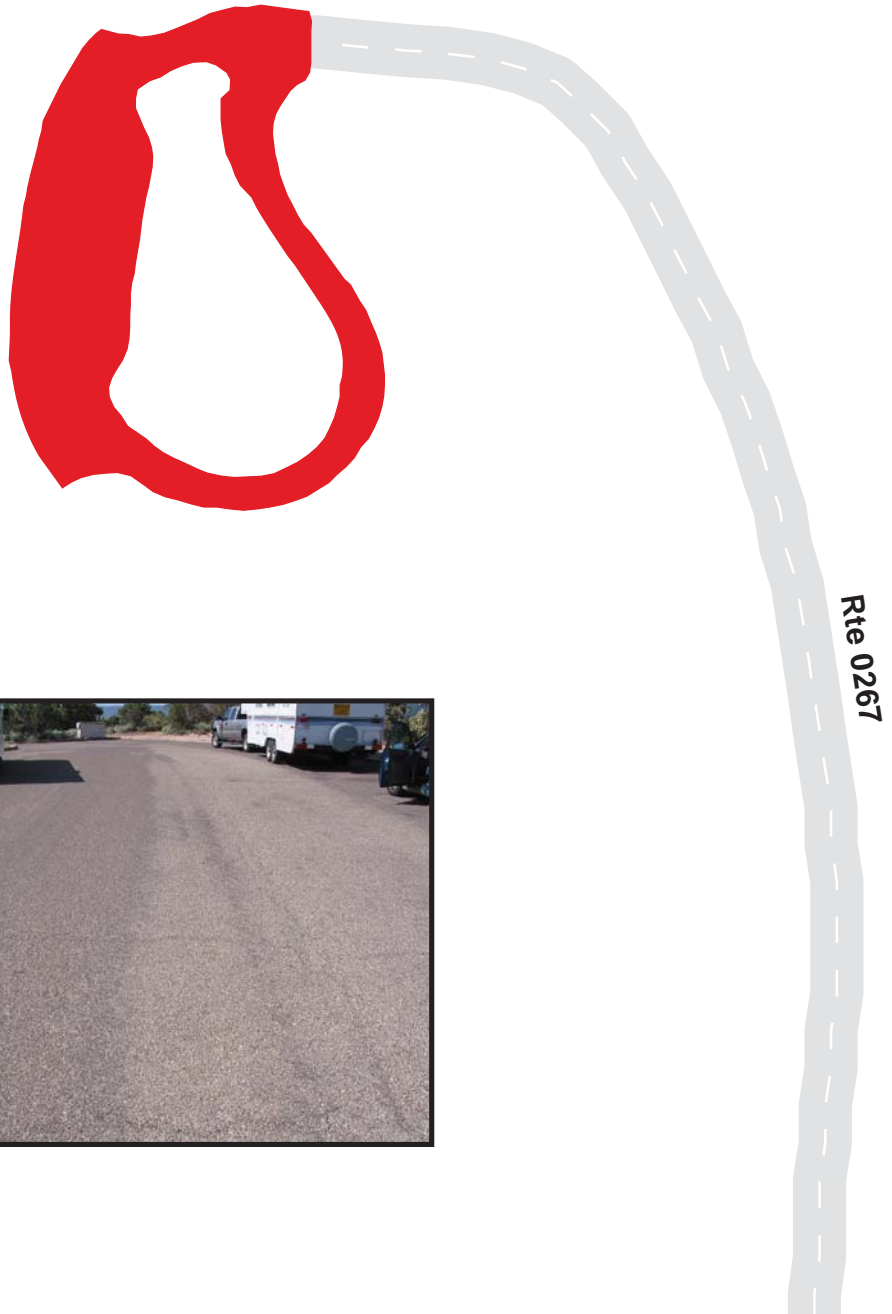
Grand Canyon National Park

Route 0981

Lipan Point Parking
From End of Route 0267

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0981	Public	6/4/2003	15171	0.26	AS	FAIR / 73

* Lane miles are based on 11' lane widths



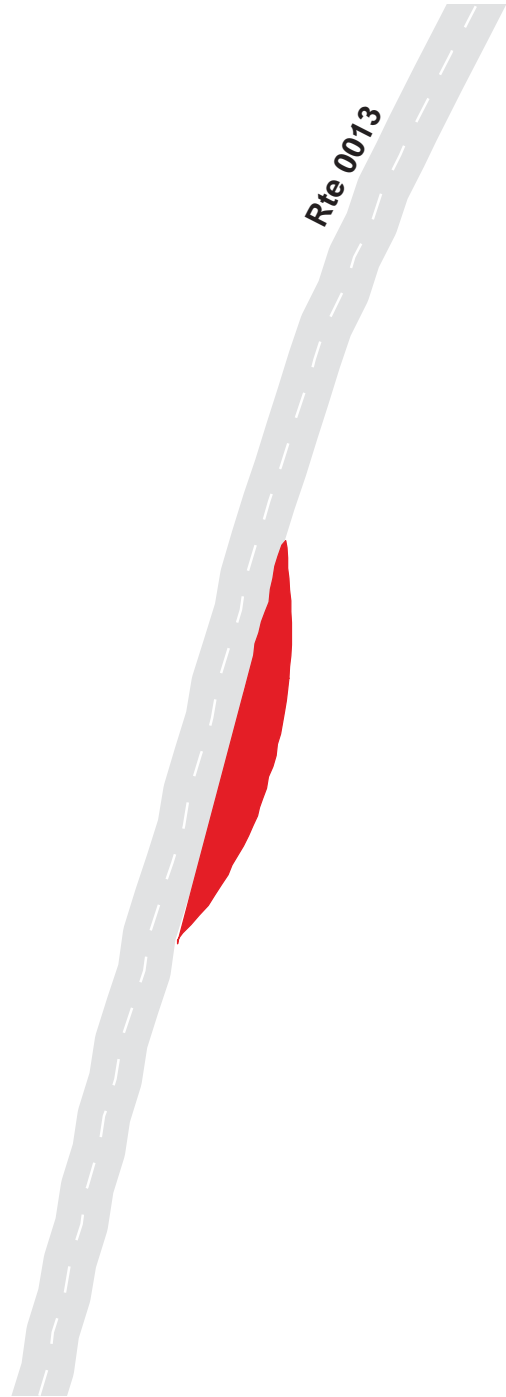
Grand Canyon National Park

Route 0982

Maintaining Mountain Meadows Parking
Adjacent To Route 013 at MP 1.5 right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0982	Public	6/4/2003	2554	0.04	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

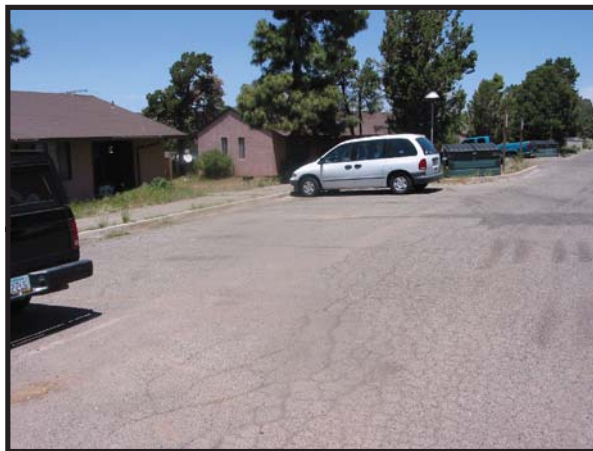
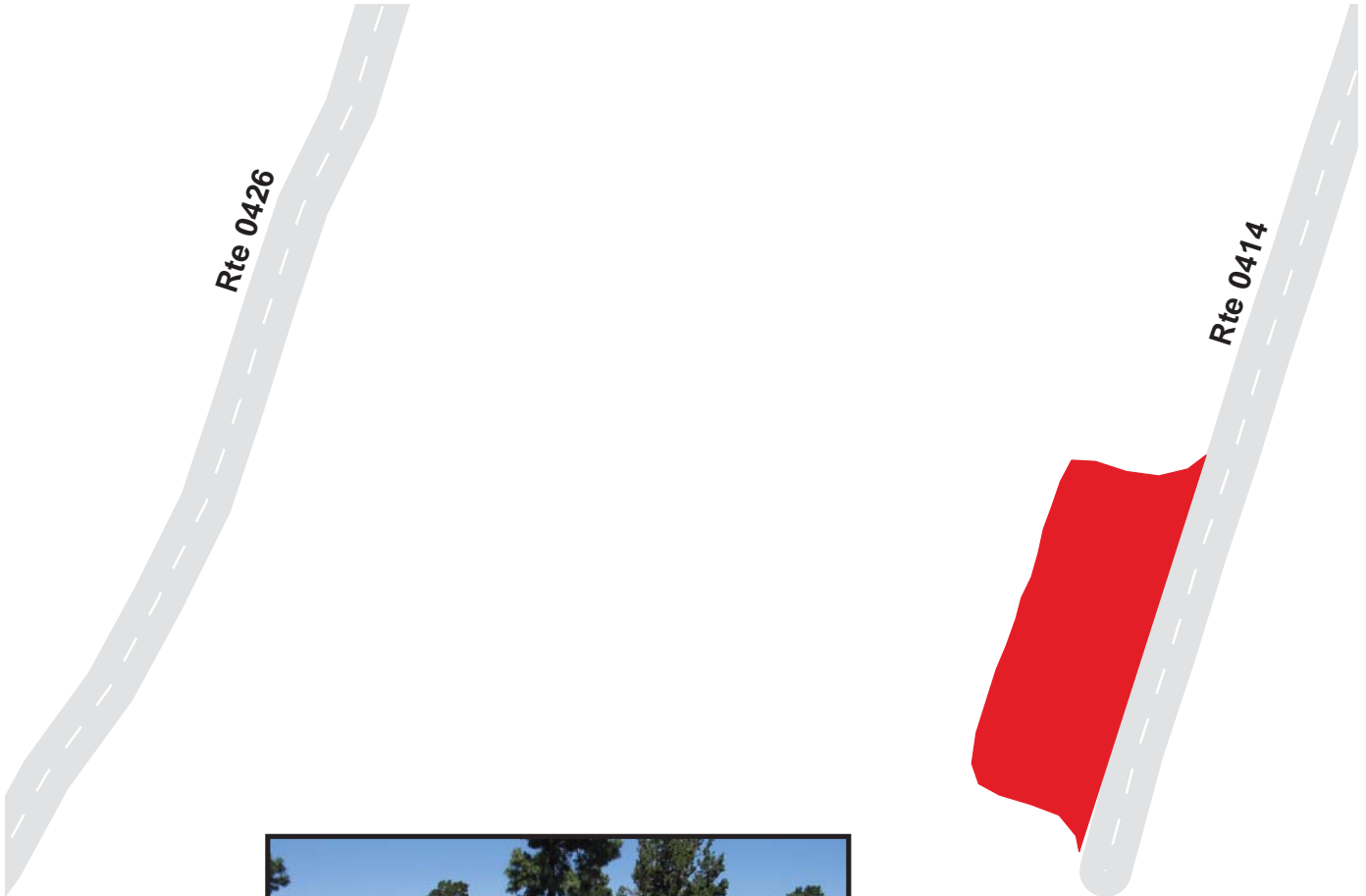
Route 0983A

Apache West Parking A

Adjacent To Route 0414 at MP 0.12 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0983A	NonPublic	6/4/2003	1129	0.02	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

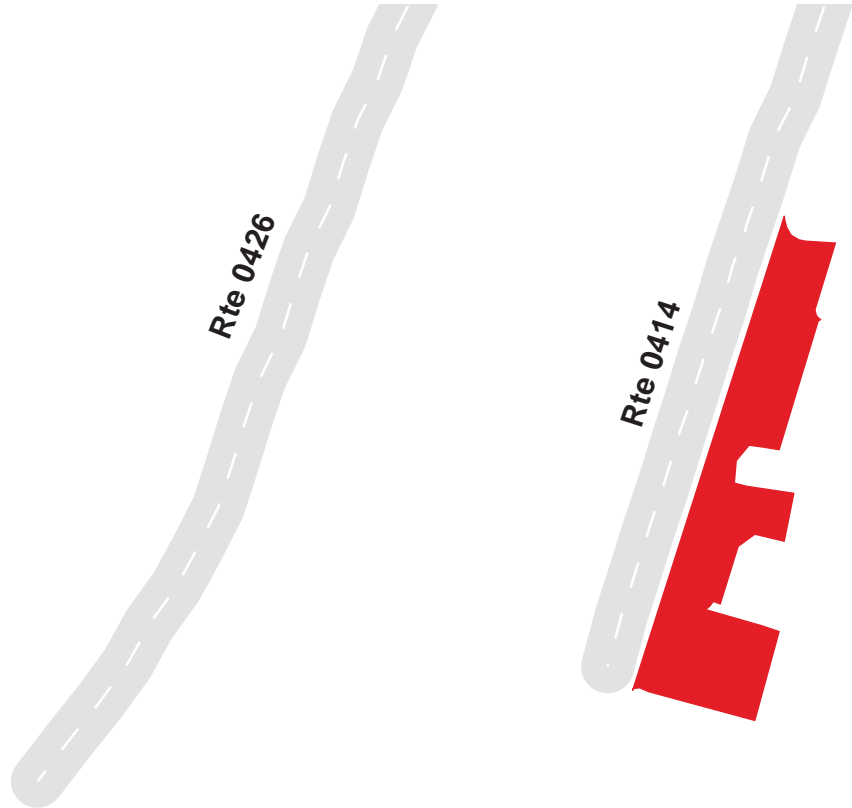
Route 0983B

Apache West Parking B

Adjacent To Route 0414 at MP 0.1 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0983B	Public	6/3/2003	4604	0.08	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

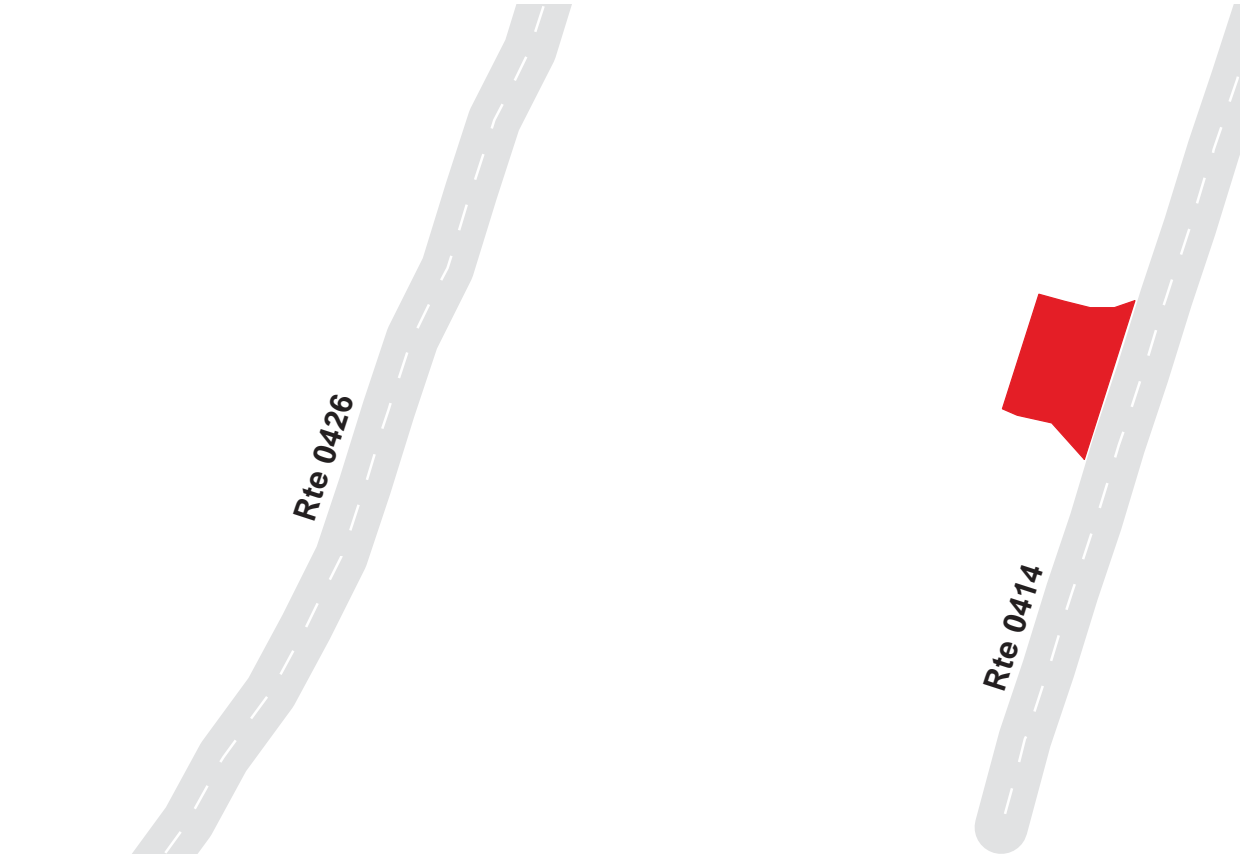
Route 0983C

Apache West Parking C

Adjacent To Route 0414 at MP 0.1 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0983C	Public	6/3/2003	550	0.01	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

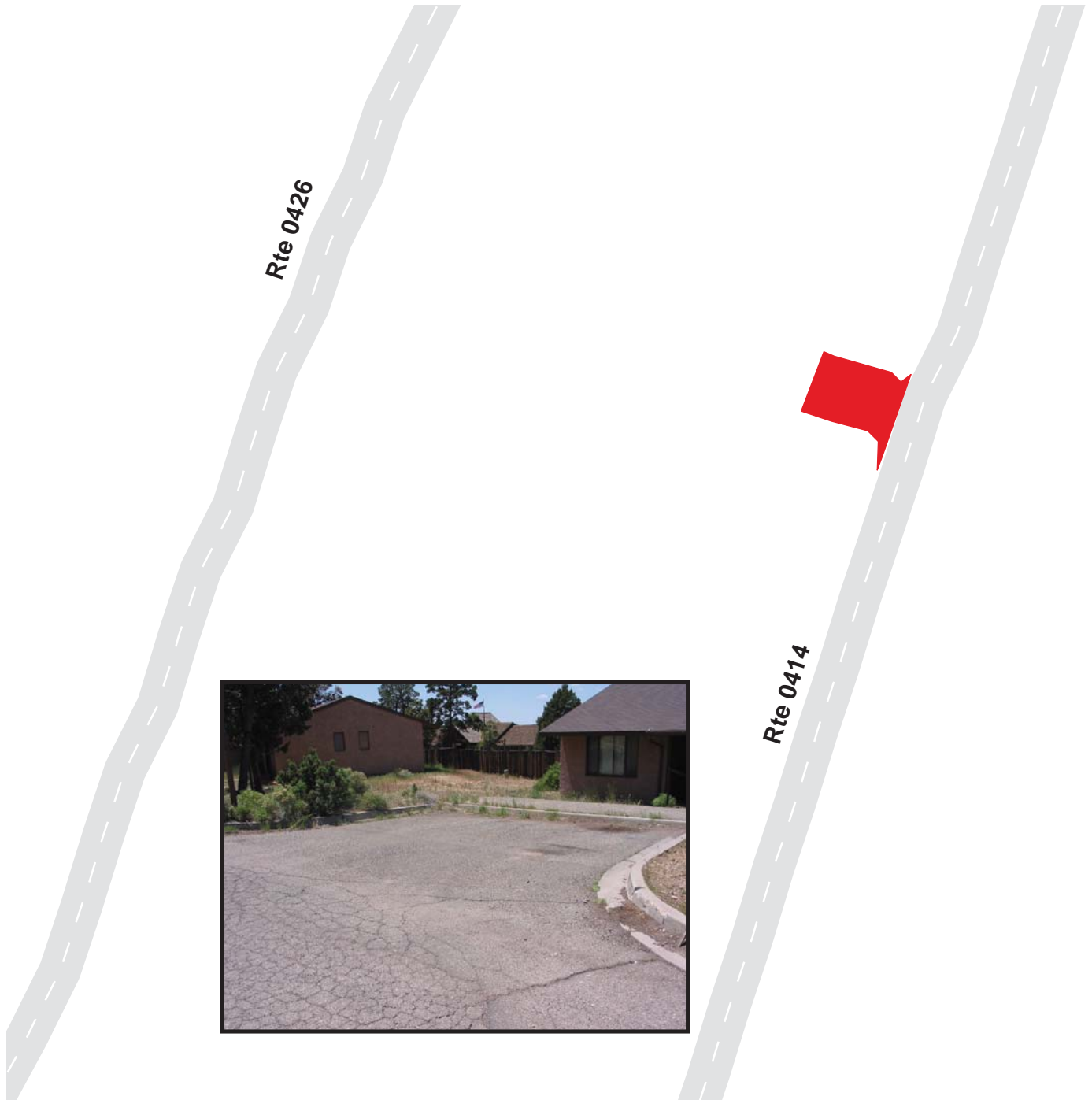
Route 0983D

Apache West Parking D

Adjacent To Route 0414 at MP 0.08 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0983D	Public	6/3/2003	316	0.01	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

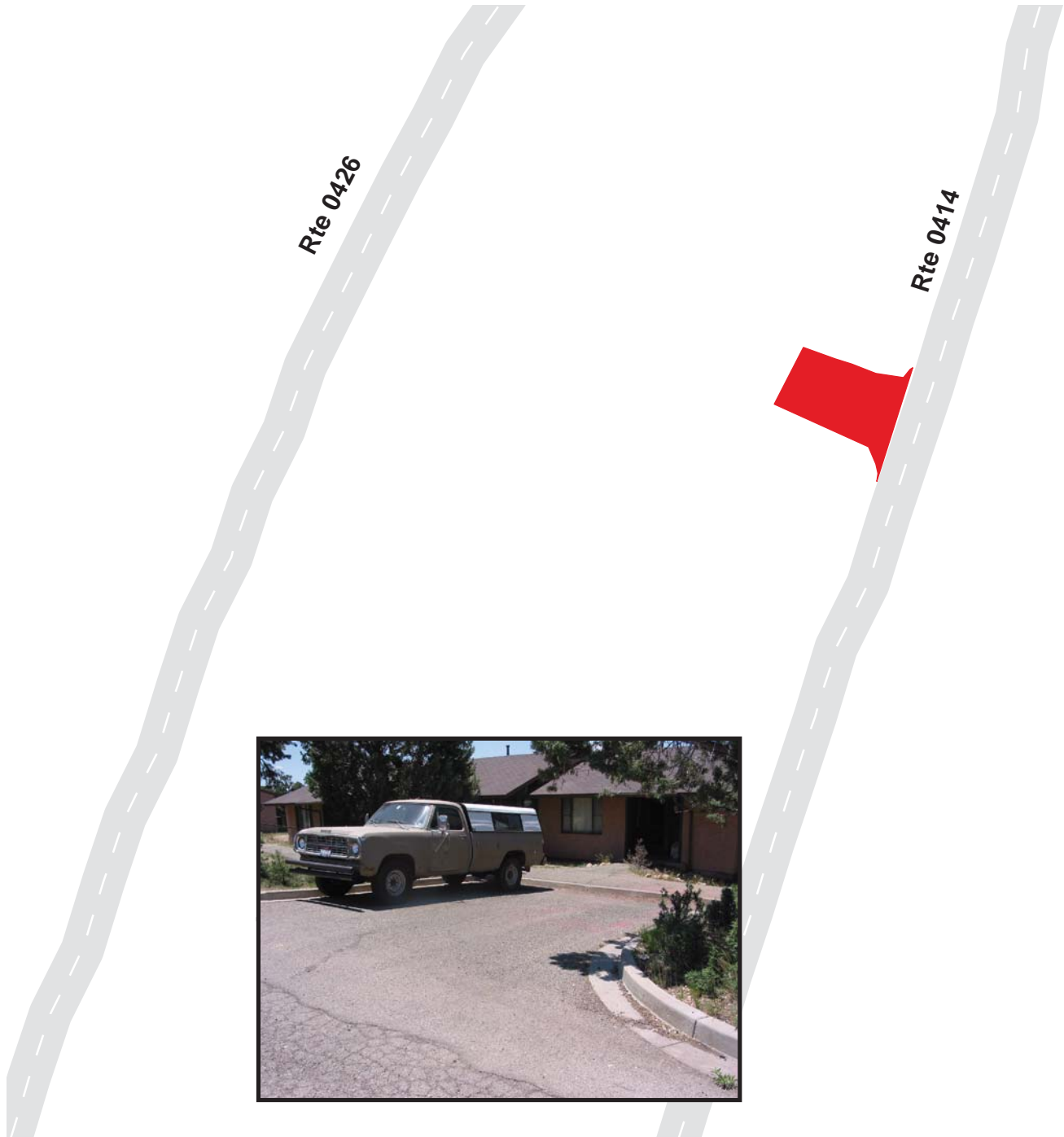
Route 0983E

Apache West Parking E

Adjacent To Route 0414 at MP 0.07 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0983E	Public	6/3/2003	458	0.01	AS	FAIR / 73

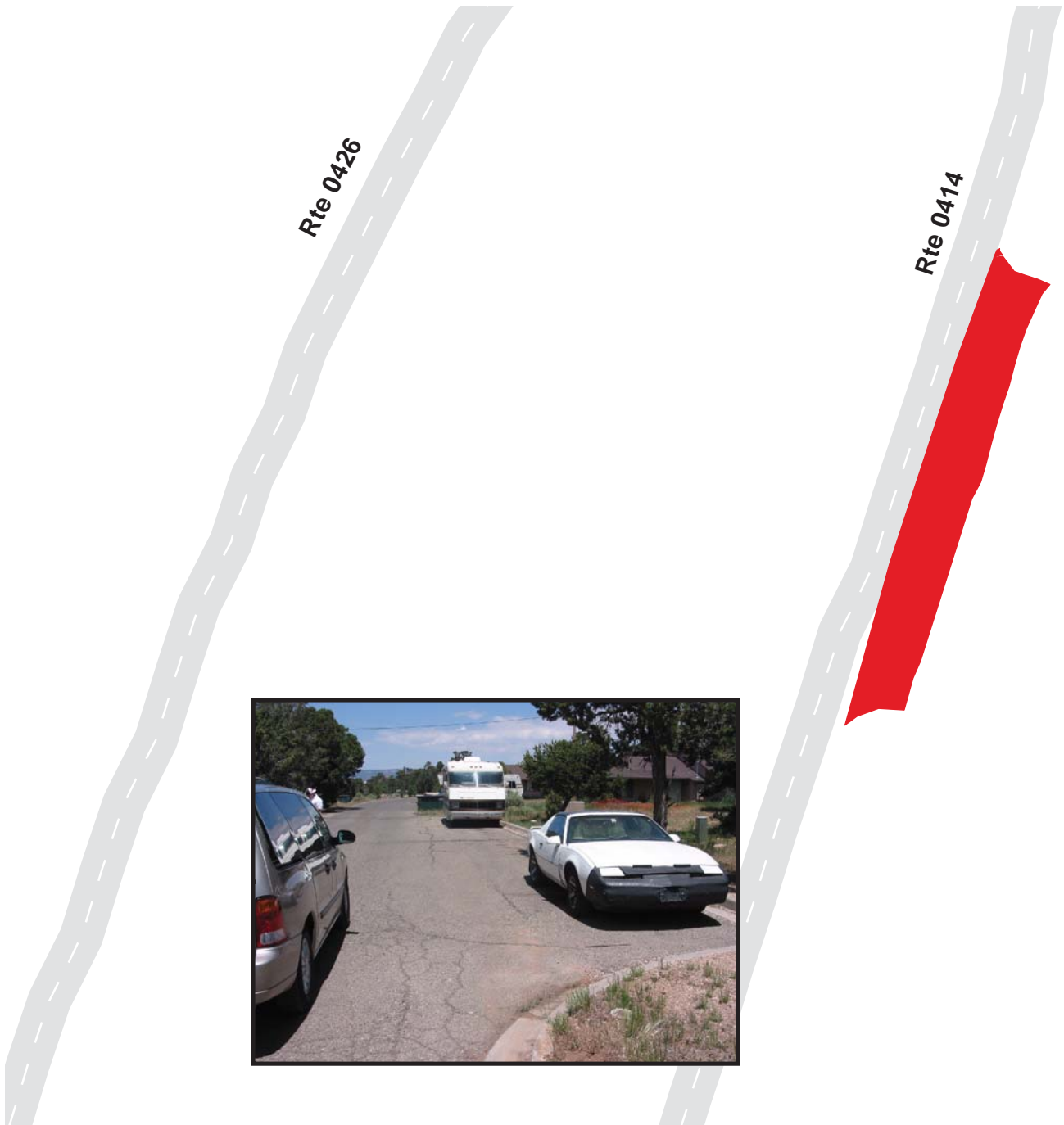
* Lane miles are based on 11' lane widths



Grand Canyon National Park
Route 0983F
 Apache West Parking F
 Adjacent To Route 0414 at MP 0.07 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0983F	Public	6/4/2003	1465	0.03	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

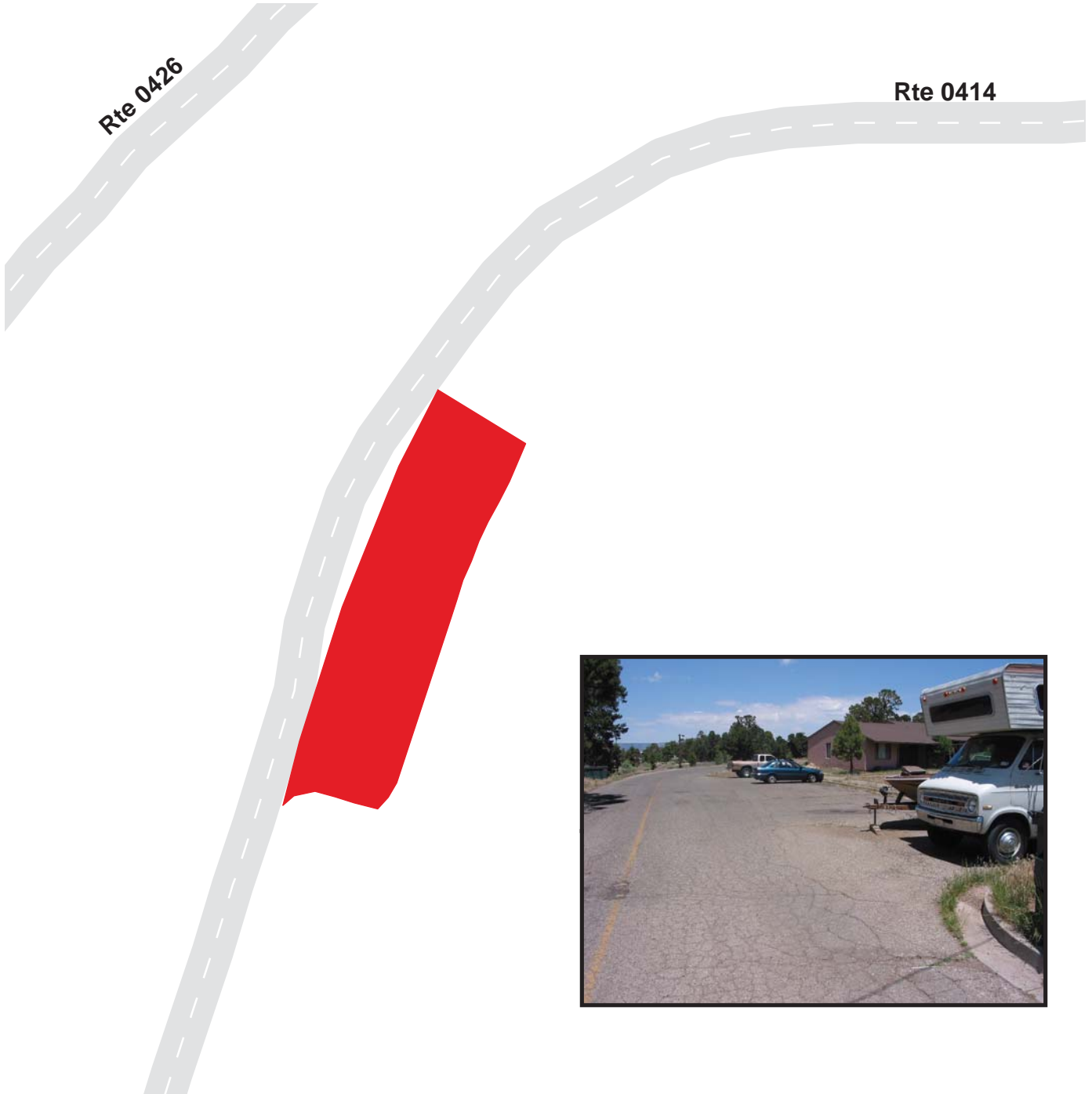
Route 0983G

Apache West Parking G

Adjacent To Route 0414 at MP 0.05 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0983G	Public	6/4/2003	2567	0.04	AS	POOR / 45

* Lane miles are based on 11' lane widths



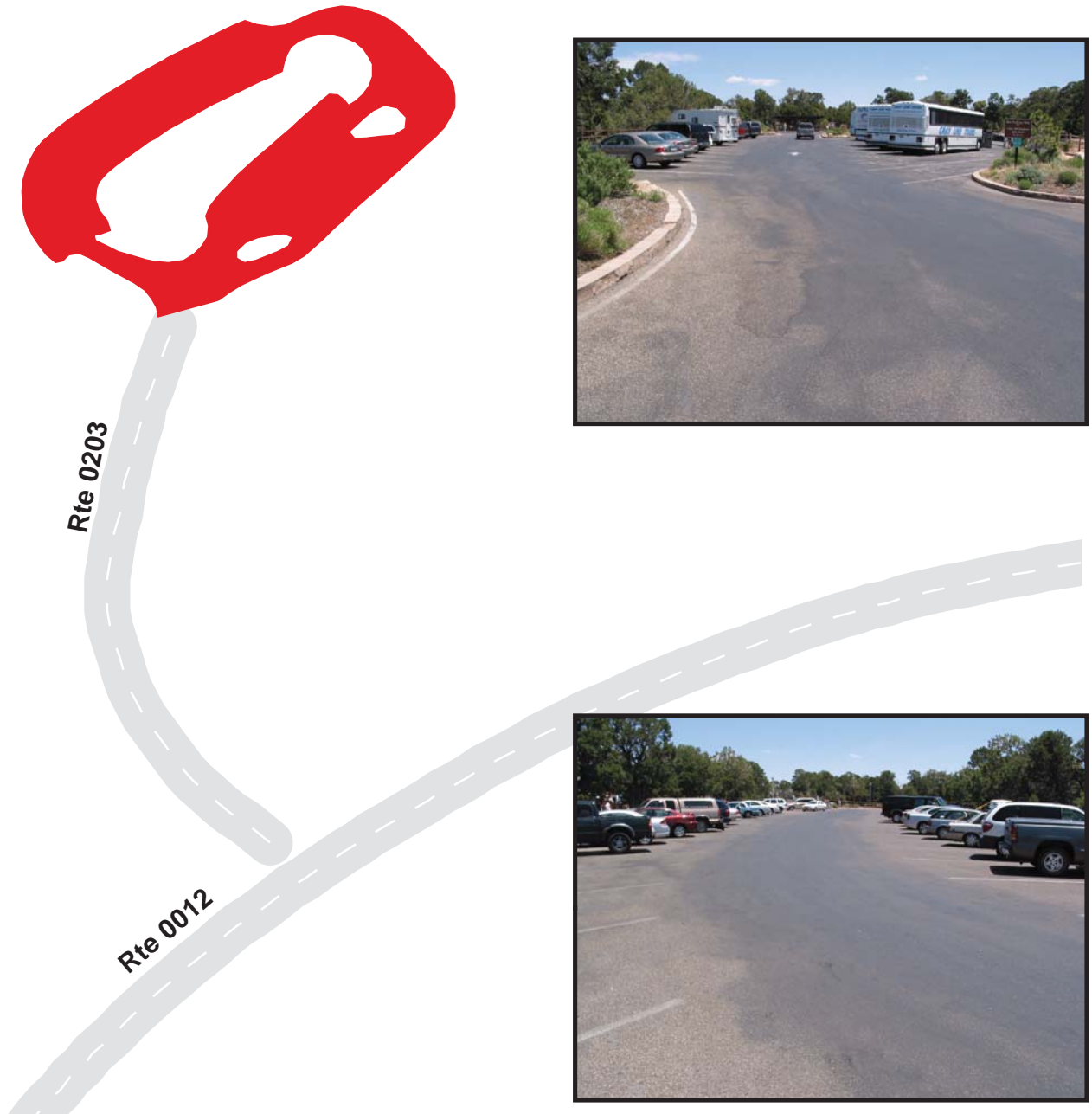
Grand Canyon National Park

Route 0984

Yavapai Point Parking
From End of Route 0203

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0984	Public	6/5/2003	57970	1.00	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0986

Boulder West Parking

From Route 408

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0986	Public	6/3/2003	3965	0.07	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

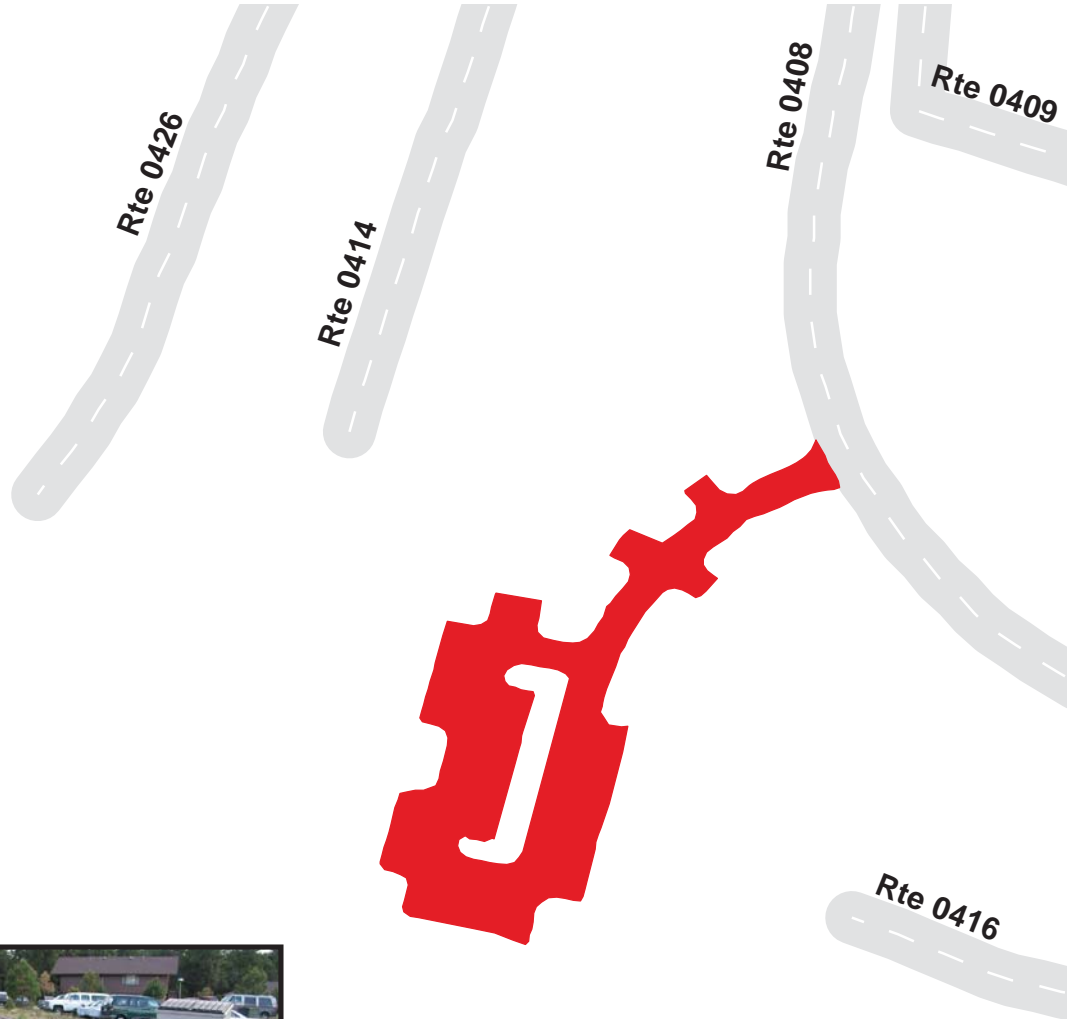
Route 0987

Loop Street Parking

From Route 408

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0987	Public	6/3/2003	26361	0.45	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

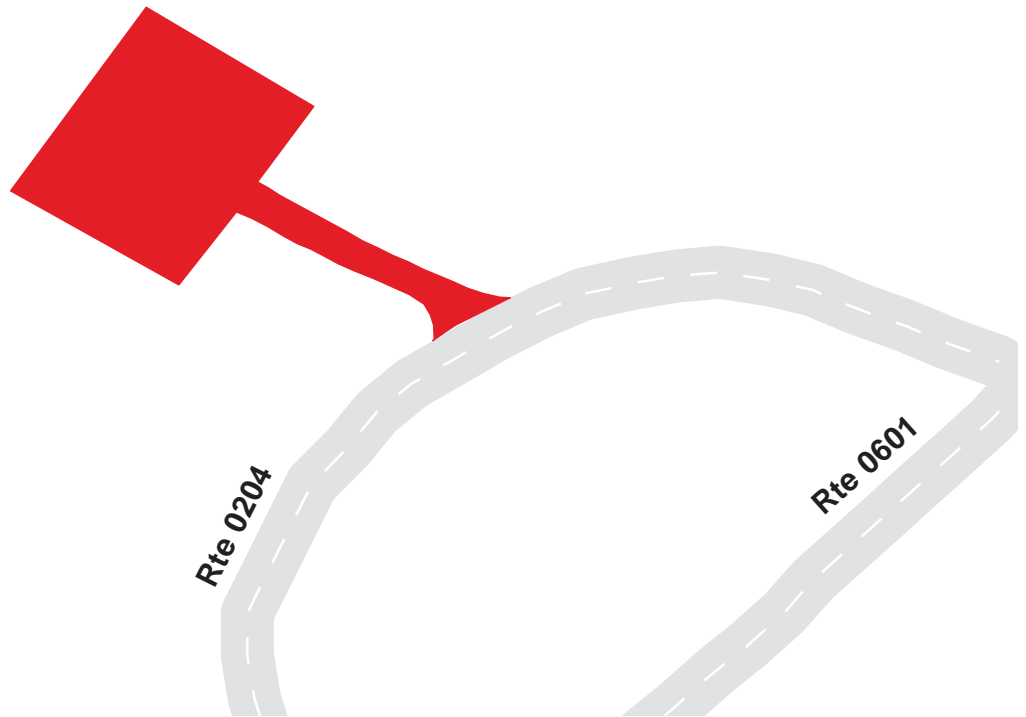
Route 0988

NPS Academy Garage Parking

From Route 0204

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0988	NonPublic	6/3/2003	6437	0.11	AS	POOR / 45

* Lane miles are based on 11' lane widths



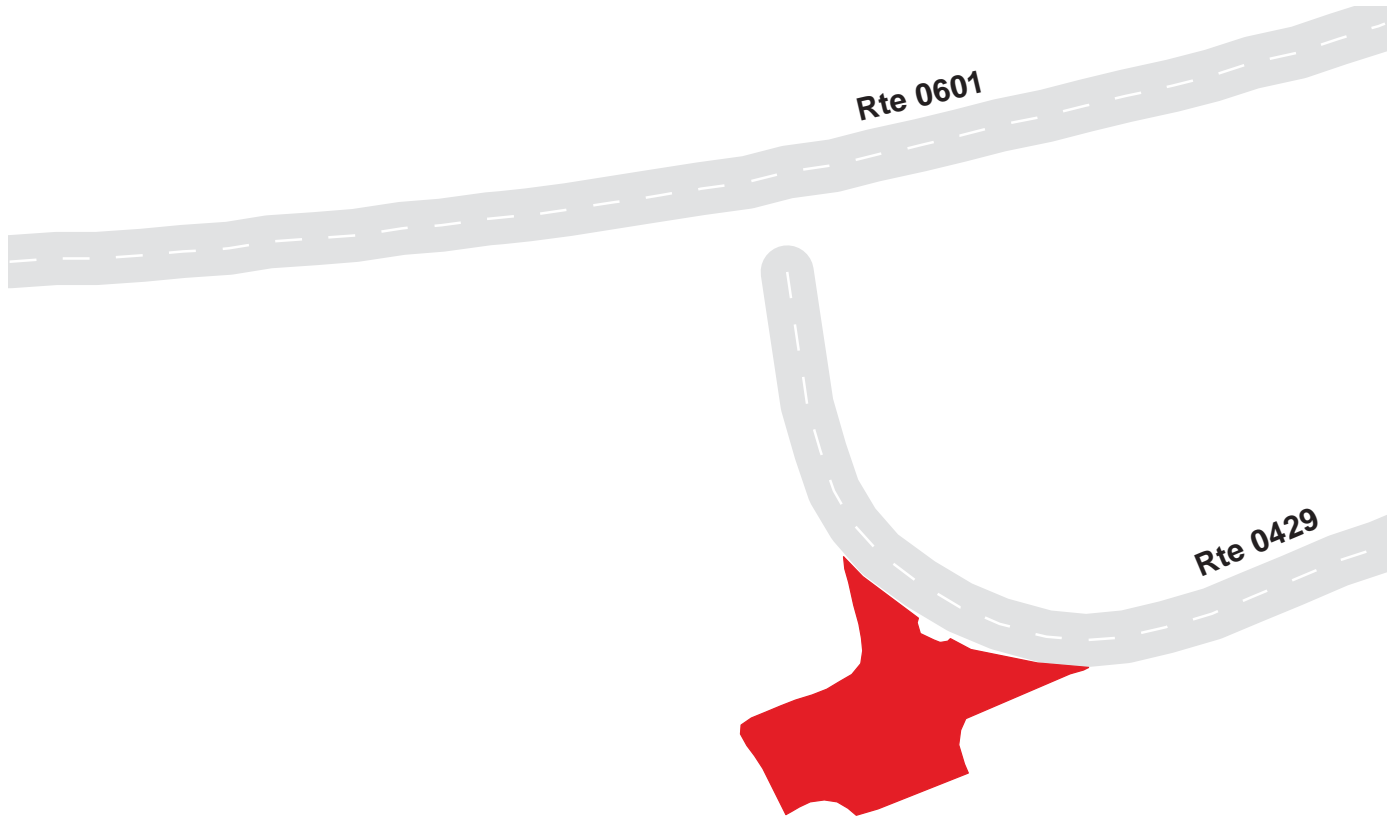
Grand Canyon National Park

Route 0989

River Permit Parking
Adjacent To Route 0429

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0989	Public	6/3/2003	4900	0.08	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0990A

Tusayan Museum and Ruin Parking A
Adjacent To Route 0266 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0990A	Public	6/4/2003	4908	0.08	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

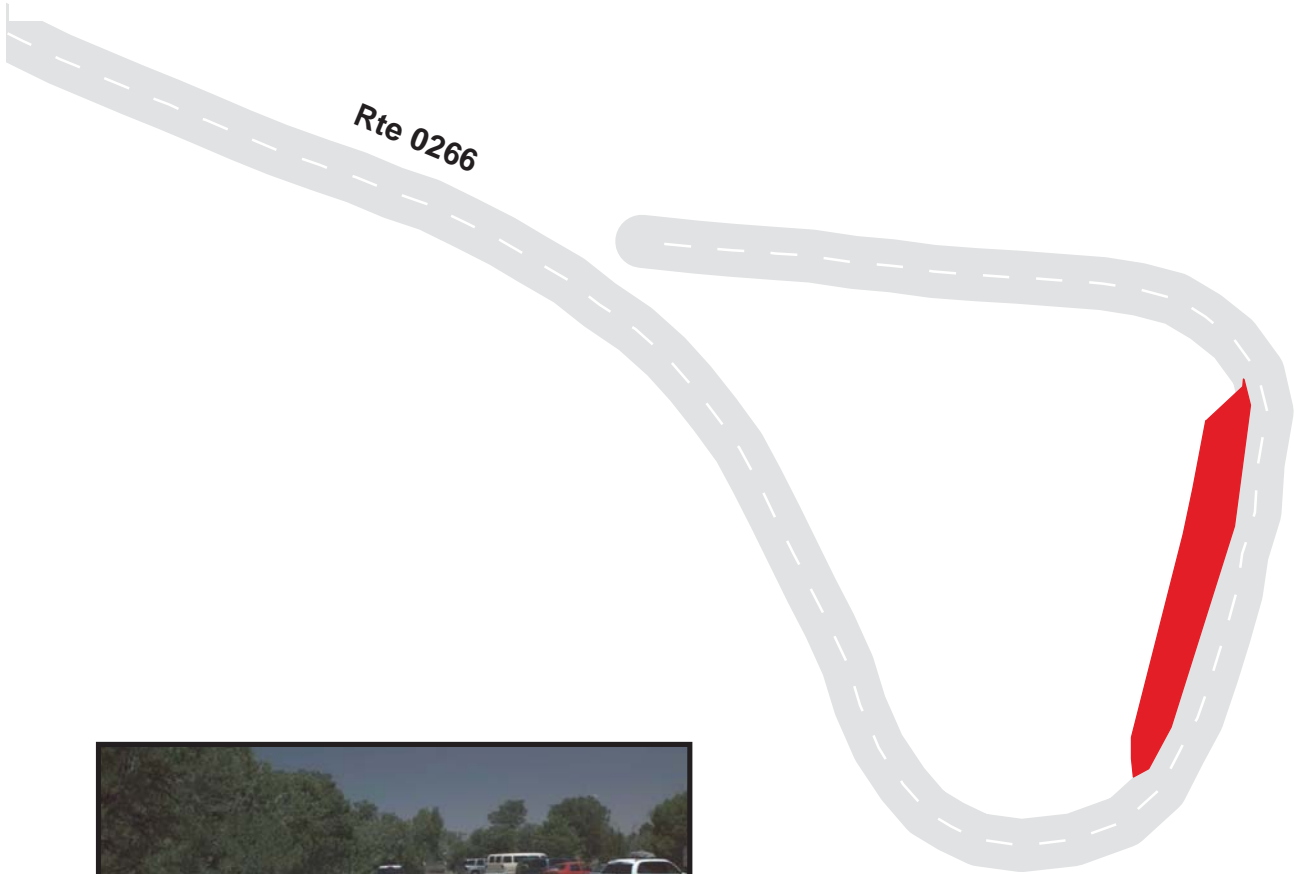
Route 0990B

Tusayan Museum and Ruin Parking B

Adjacent To Route 0266 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0990B	Public	6/4/2003	2650	0.05	AS	FAIR / 73

* Lane miles are based on 11' lane widths





**The Road Inventory
of
Grand Canyon National Park
GRCA – 8210
Volume 2**



national park service



Road Inventory Program

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



Grand Canyon National Park

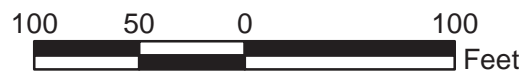
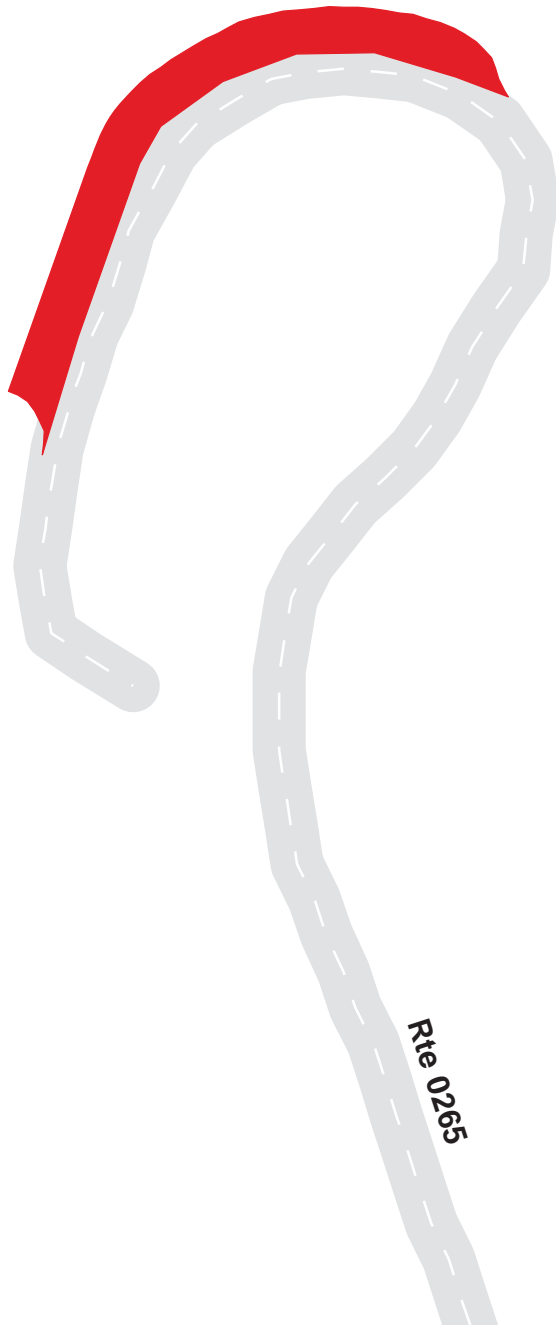
Route 0991A

Moran Point Parking A

Adjacent To Route 0265 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0991A	Public	6/4/2003	6004	0.10	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

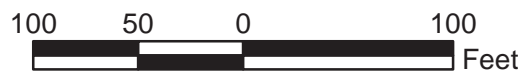
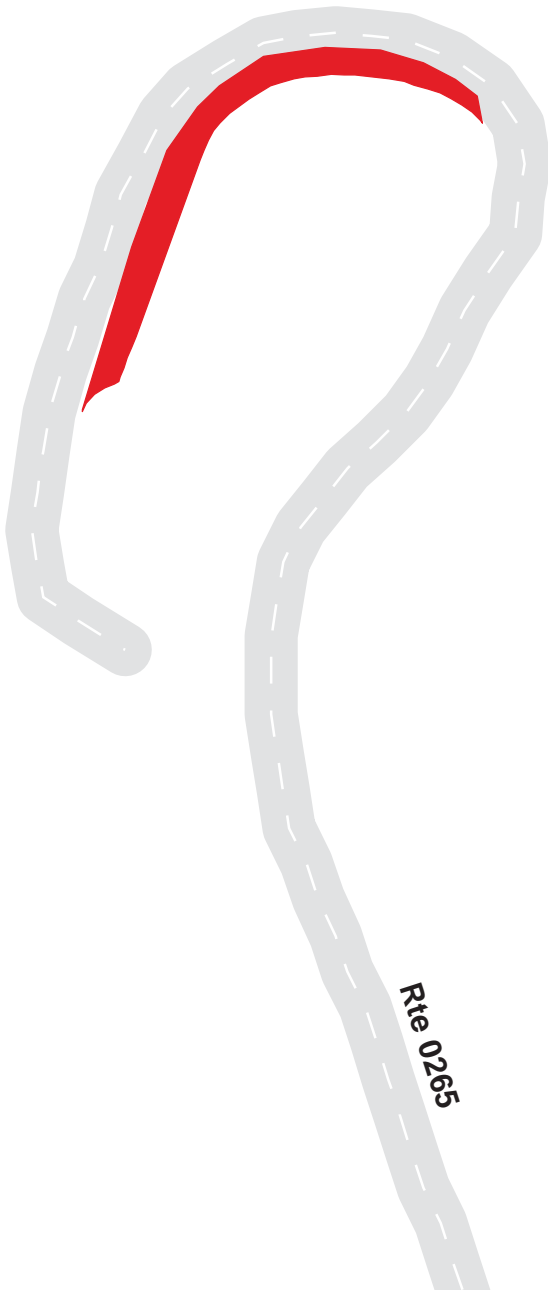
Route 0991B

Moran Point Parking B

Adjacent To Route 0265 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0991B	Public	6/4/2003	3088	0.05	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

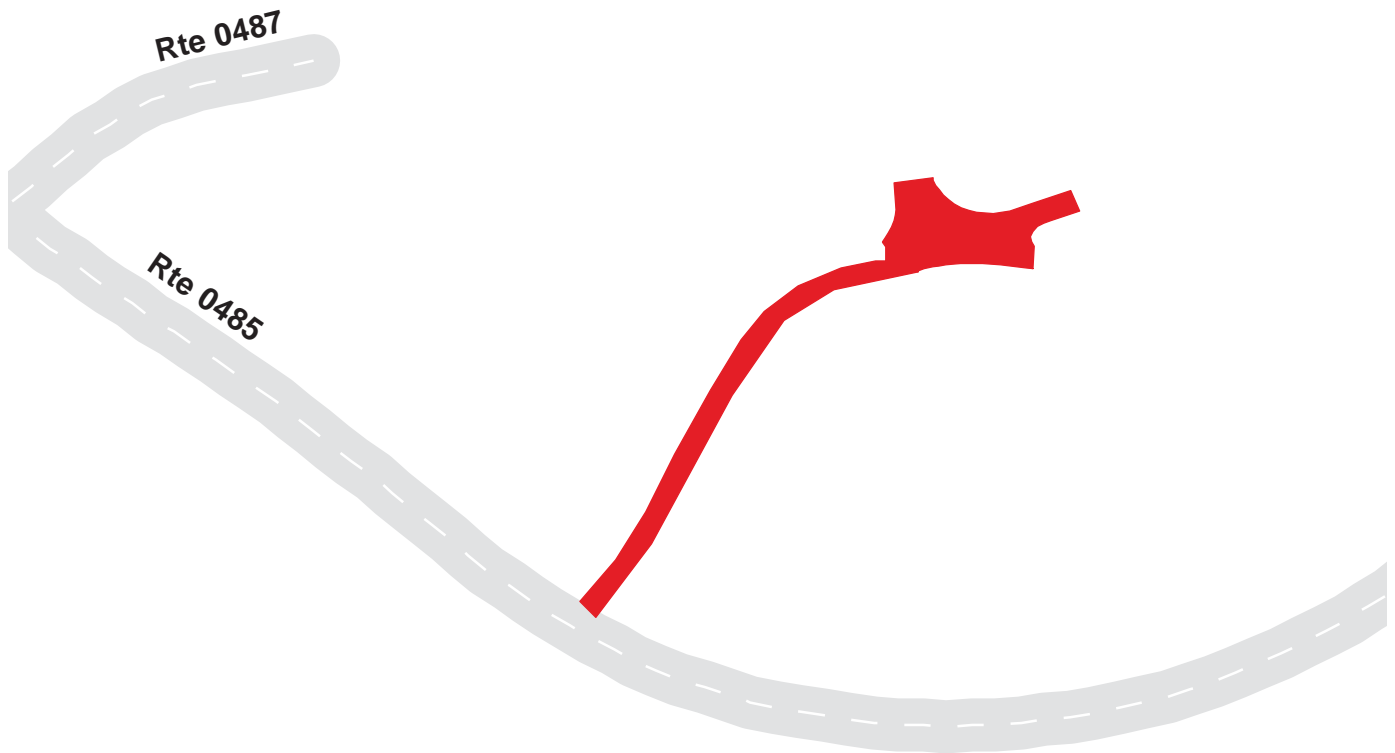
Route 0993

Book Store Employee Parking

From Route 0485

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0993	NonPublic	6/4/2003	9135	0.16	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



Grand Canyon National Park

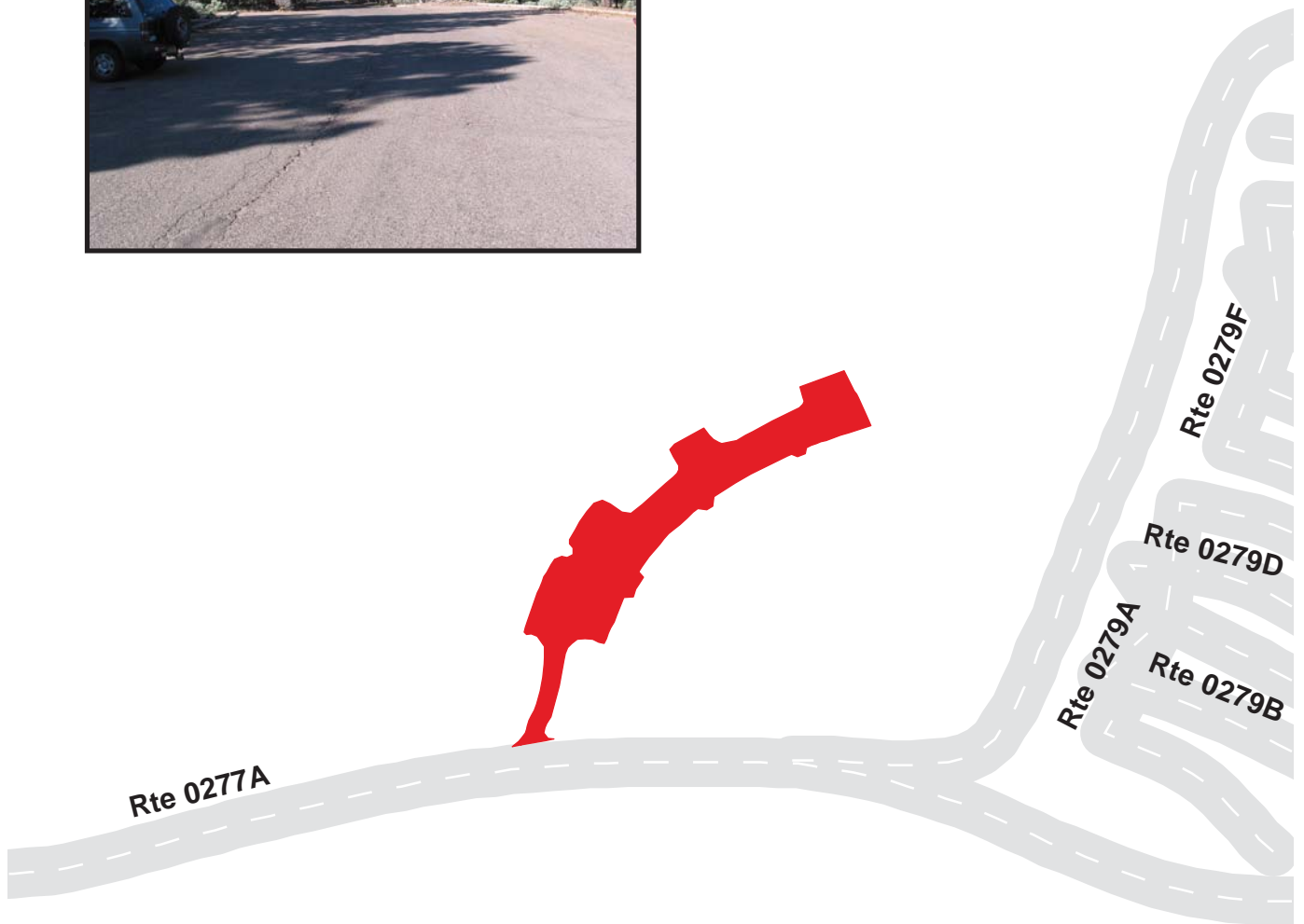
Route 0994

Trailer Village Dorm Parking

Adjacent To Route 0277A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0994	NonPublic	6/6/2003	18775	0.32	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

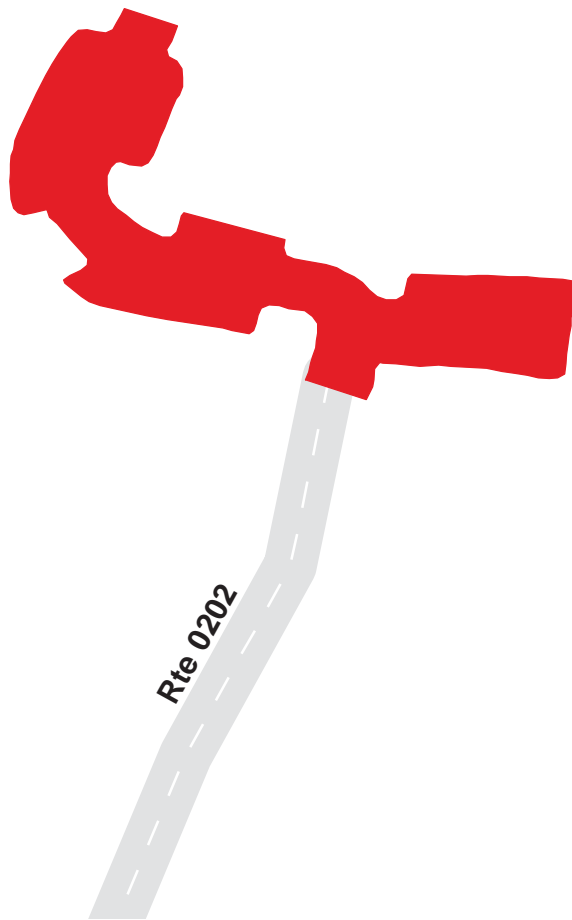
Route 0995

Grand Canyon Recreation Center Parking

At End of Route 0202

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0995	Public	6/4/2003	22706	0.39	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0996

Canyon Cafe Parking
Adjacent To Route 0446

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0996	Public	6/5/2003	4555	0.08	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



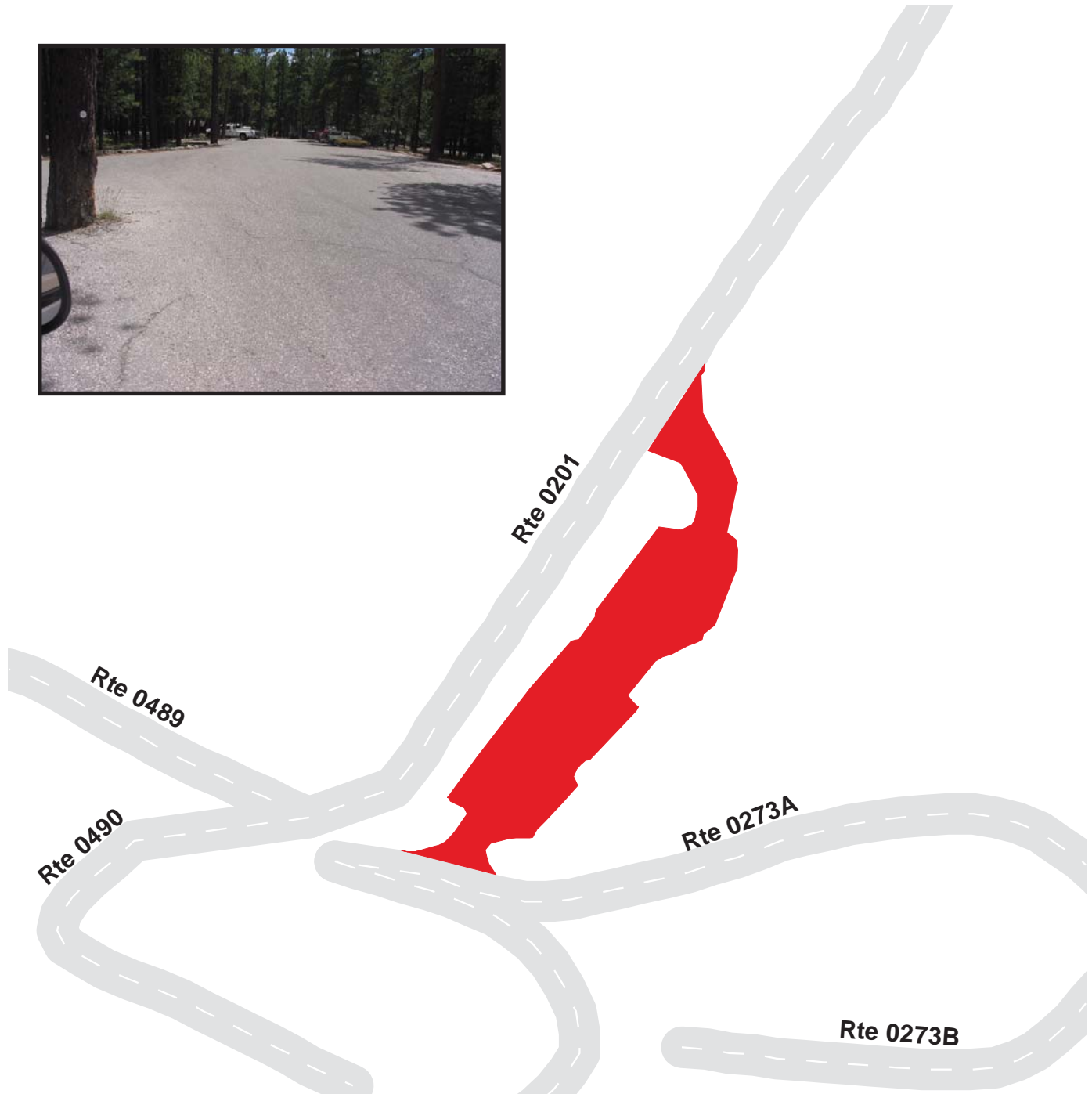
Grand Canyon National Park

Route 0997

Campground Registration/ Campfire Program Parking
From Route 0201

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0997	Public	6/5/2003	19452	0.33	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 0998

North Rim Campground Dump Station

Adjacent To Route 0273A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0998	Public	6/5/2003	6945	0.12	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



100 50 0 100 Feet

N 7-108

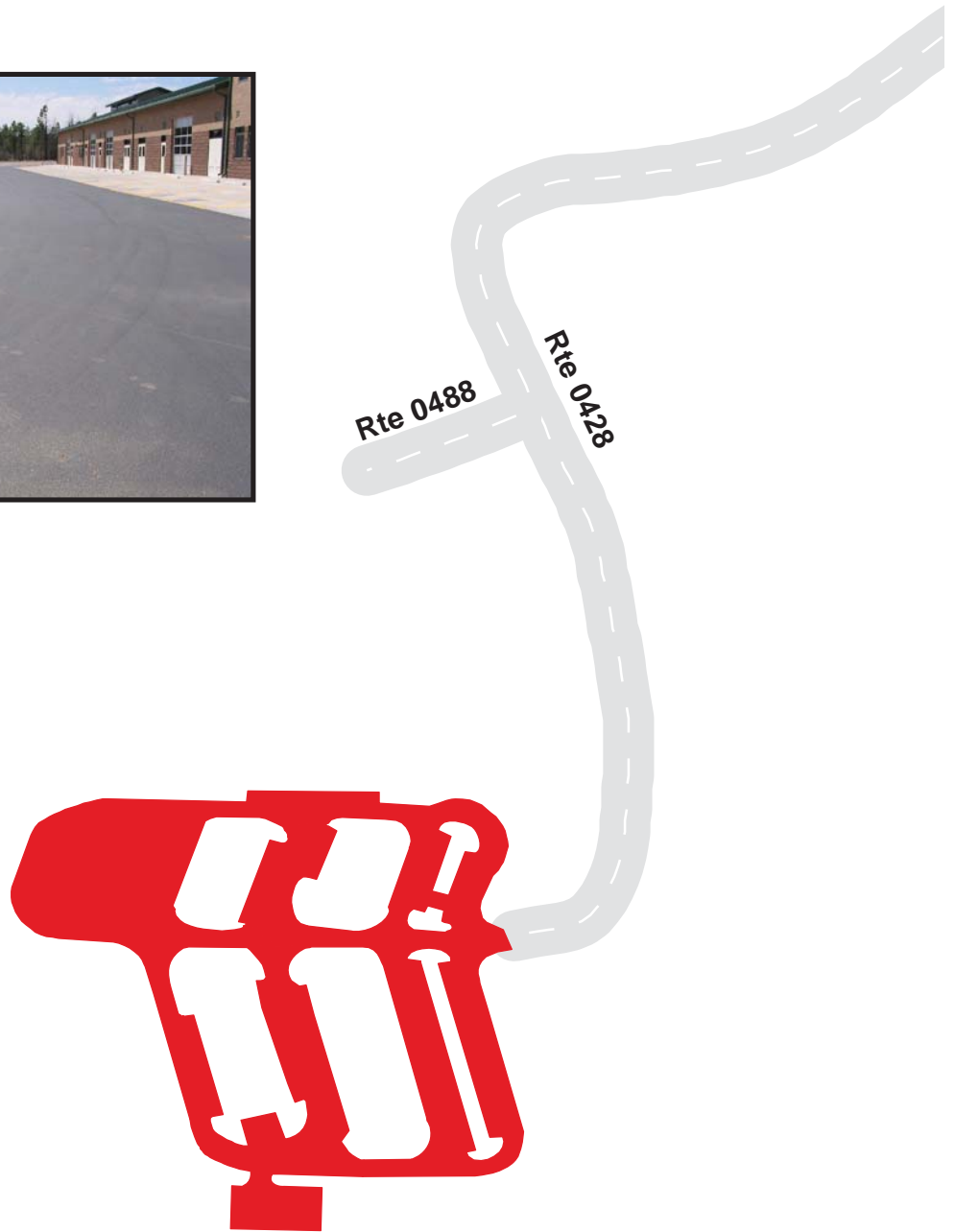
Grand Canyon National Park

Route 0999

New Maintenance Area
At End of Route 0428

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0999	NonPublic	6/5/2003	196651	3.39	CO	EXCELLENT / 97

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 1000

Weigh Station

Adjacent to Route 0428

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1000	NonPublic	6/5/2003	3835	0.07	AS	GOOD / 90

* Lane miles are based on 11' lane widths



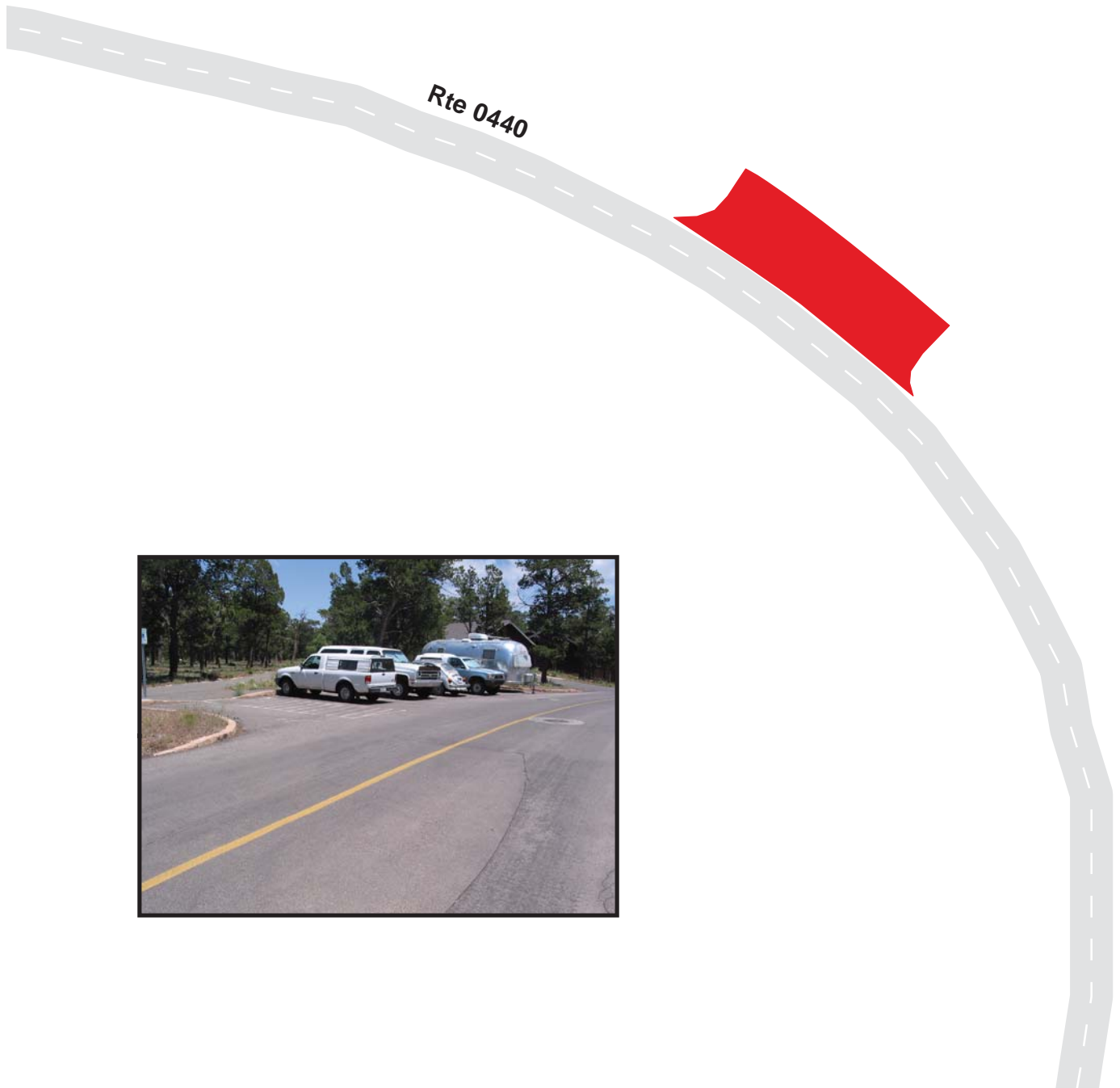
Grand Canyon National Park

Route 1001A

Randy Thompson Circle Parking A
Adjacent To Route 0440 at MP 0.32

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1001A	NonPublic	6/5/2003	1254	0.02	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

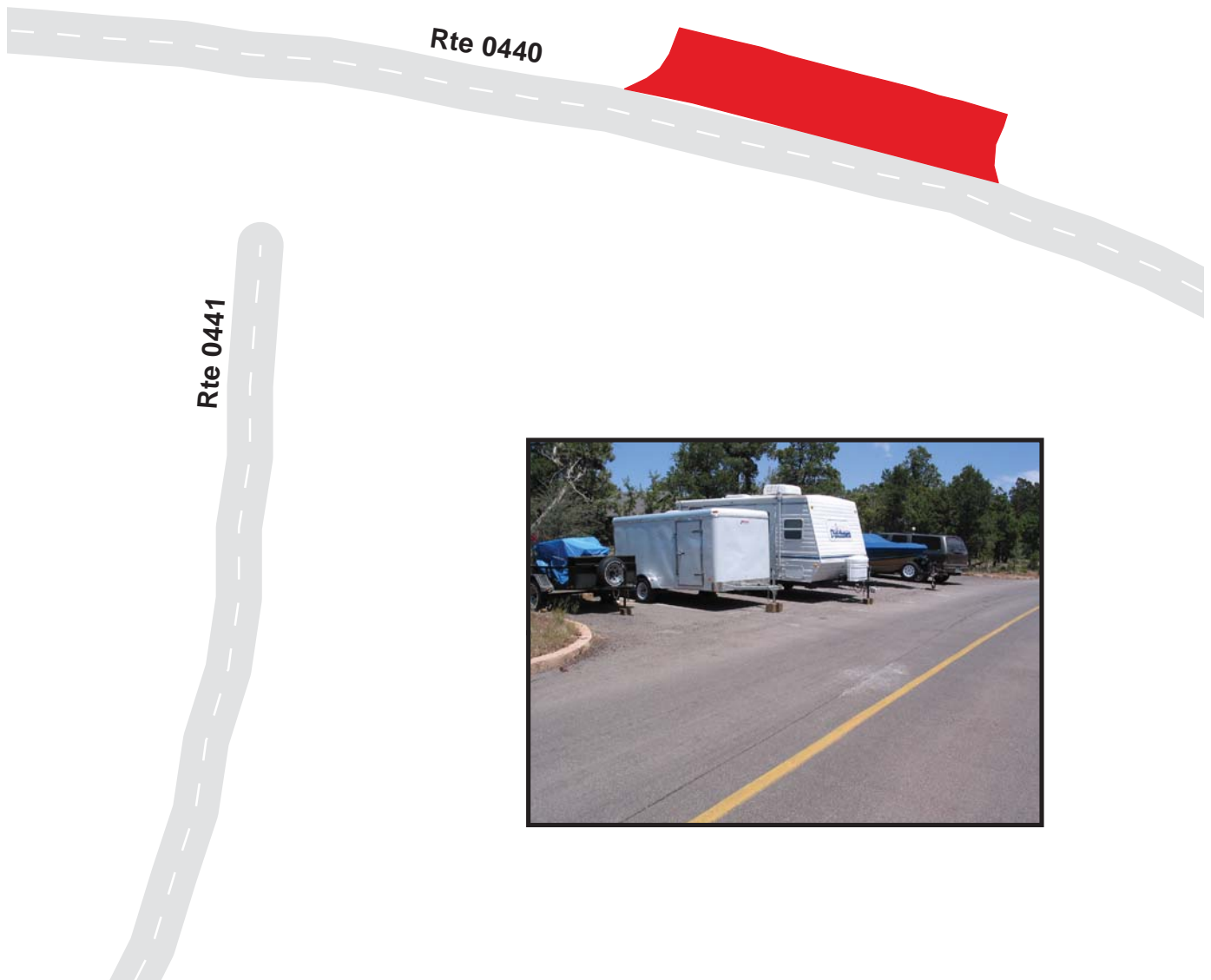
Route 1001B

Randy Thompson Circle Parking B

Adjacent to Route 0440 at MP 0.35

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1001B	NonPublic	6/5/2003	1291	0.02	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 1001C

Randy Thompson Circle Parking C

Adjacent to Route 0440 at MP 0.40

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1001C	NonPublic	6/5/2003	1257	0.02	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

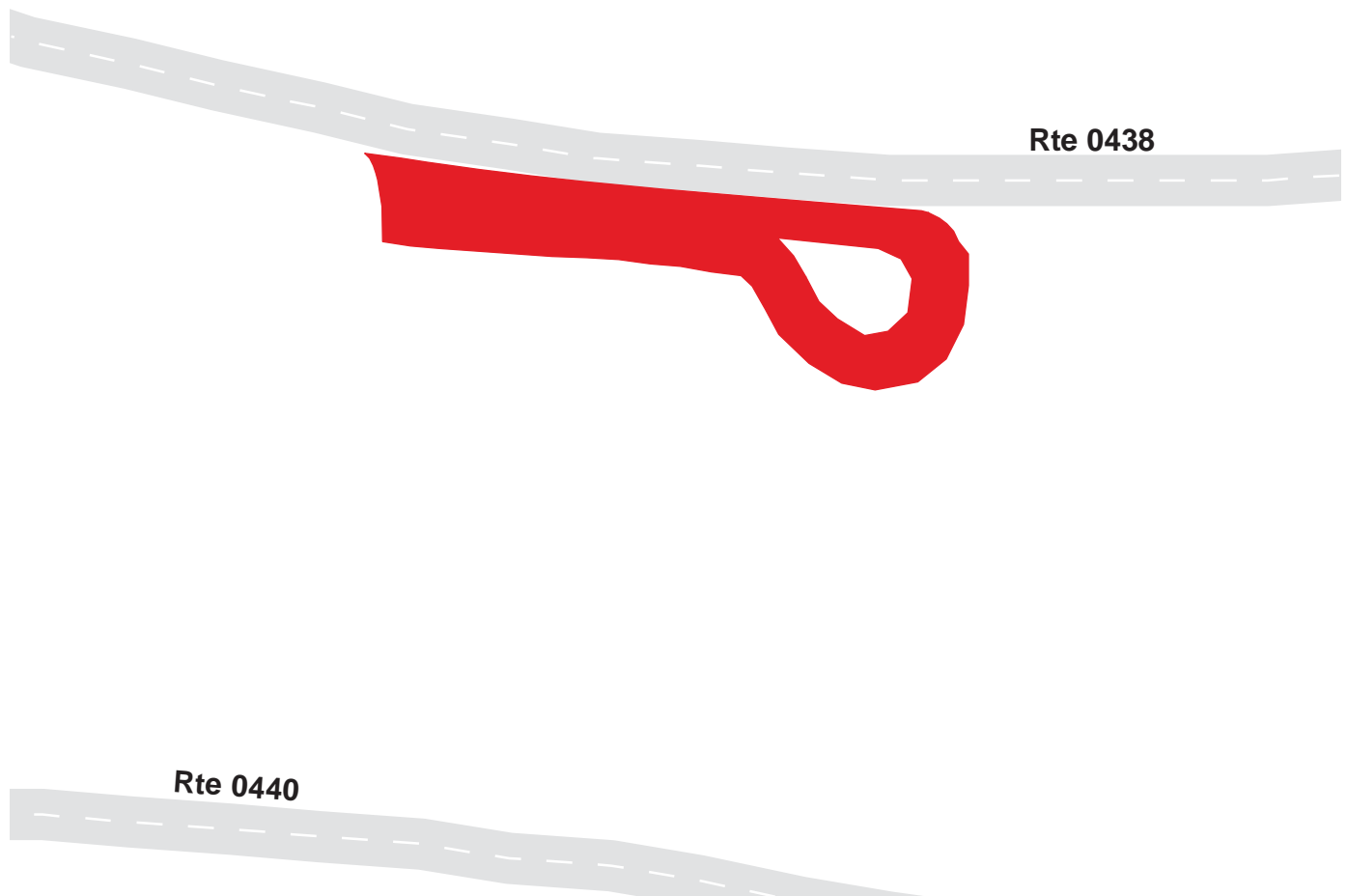
Route 1002

Bary Hance Circle Parking

Adjacent To Route 0438

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1002	NonPublic	6/5/2003	1622	0.03	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 1003A

Hermit Circle Parking A
Adjacent To Route 0434

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1003A	NonPublic	6/5/2003	3974	0.07	AS	POOR / 45

* Lane miles are based on 11' lane widths



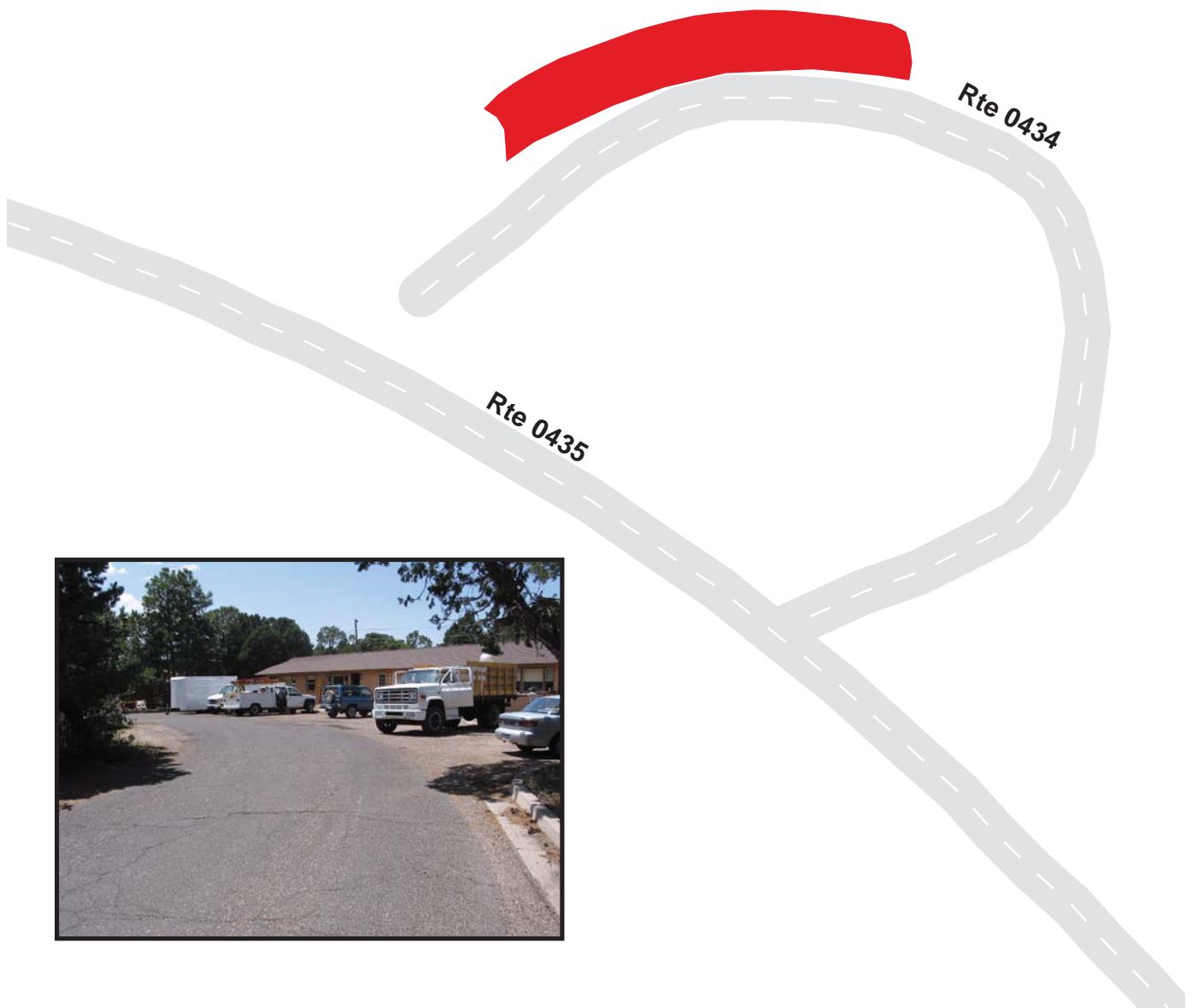
Grand Canyon National Park

Route 1003B

Hermit Circle Parking B
Adjacent To Route 0434

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1003B	NonPublic	6/5/2003	2458	0.04	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

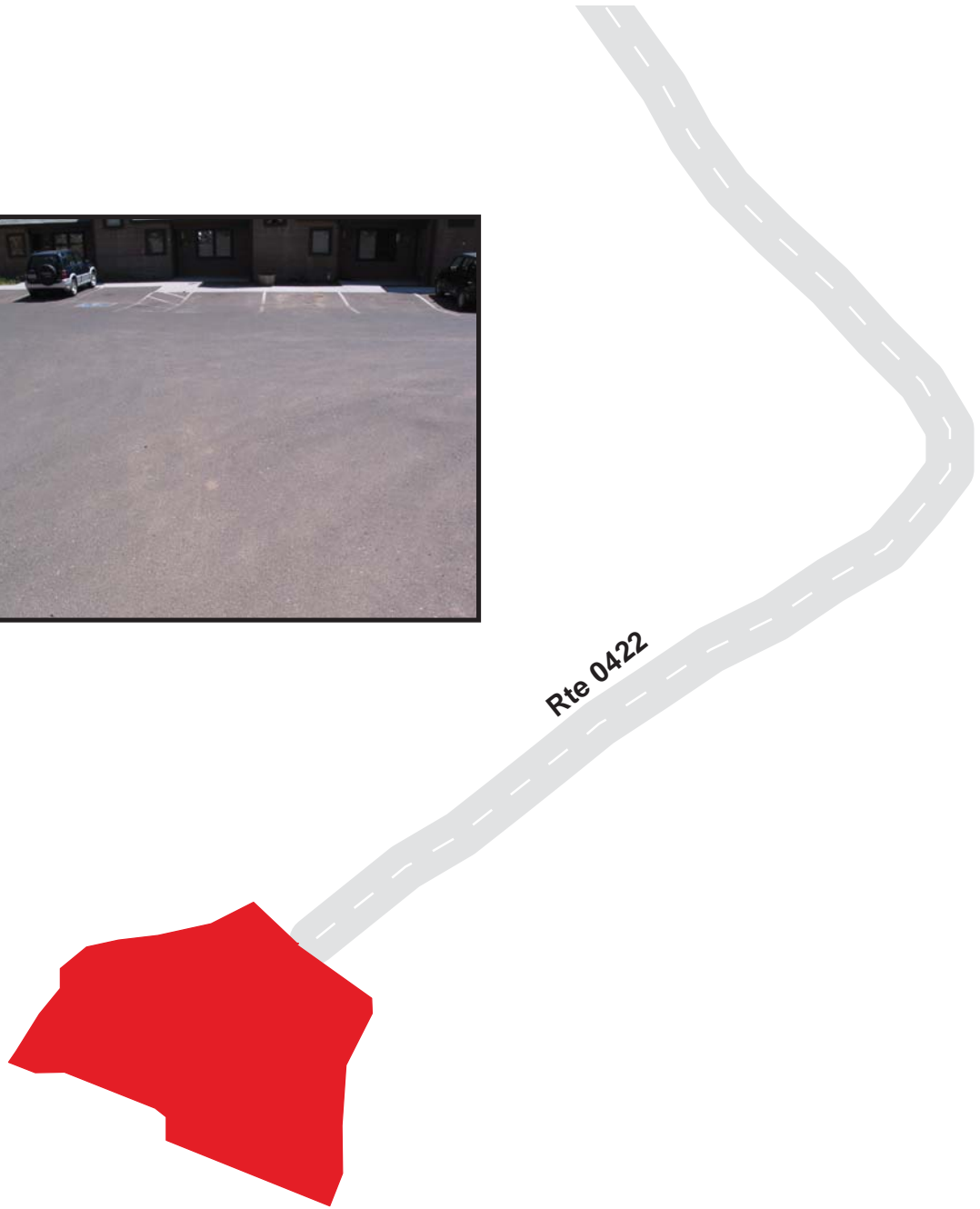
Route 1004

Muave Street Parking

At End of Route 0422

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1004	NonPublic	6/5/2003	4594	0.08	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

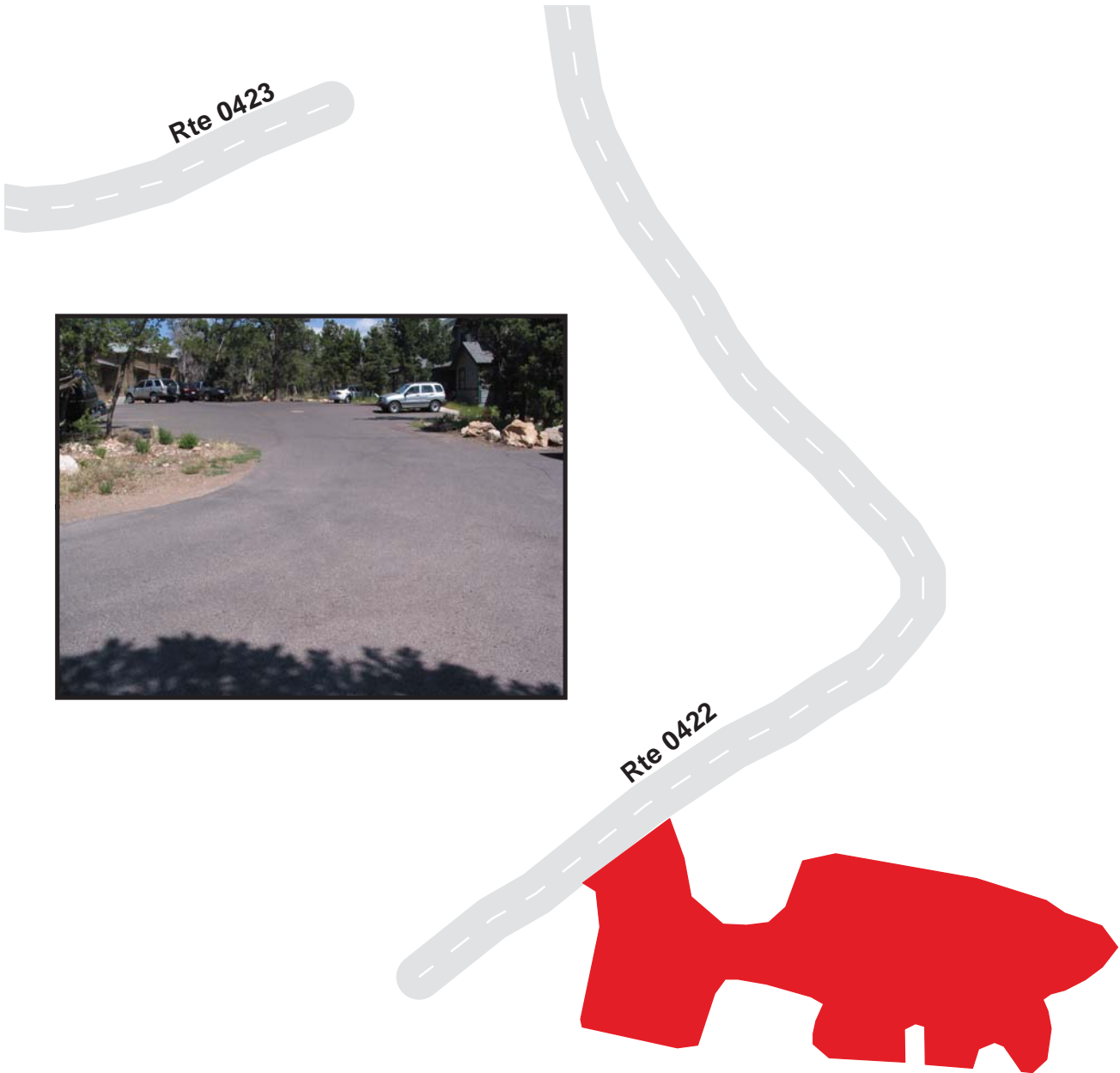
Route 1005

Grand Canyon Housing Court 1

Adjacent To Route 0422 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1005	NonPublic	6/5/2003	8996	0.15	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 1006

Grand Canyon Housing Court 2
Adjacent To Route 0422 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1006	NonPublic	6/5/2003	8727	0.15	AS	FAIR / 73

* Lane miles are based on 11' lane widths



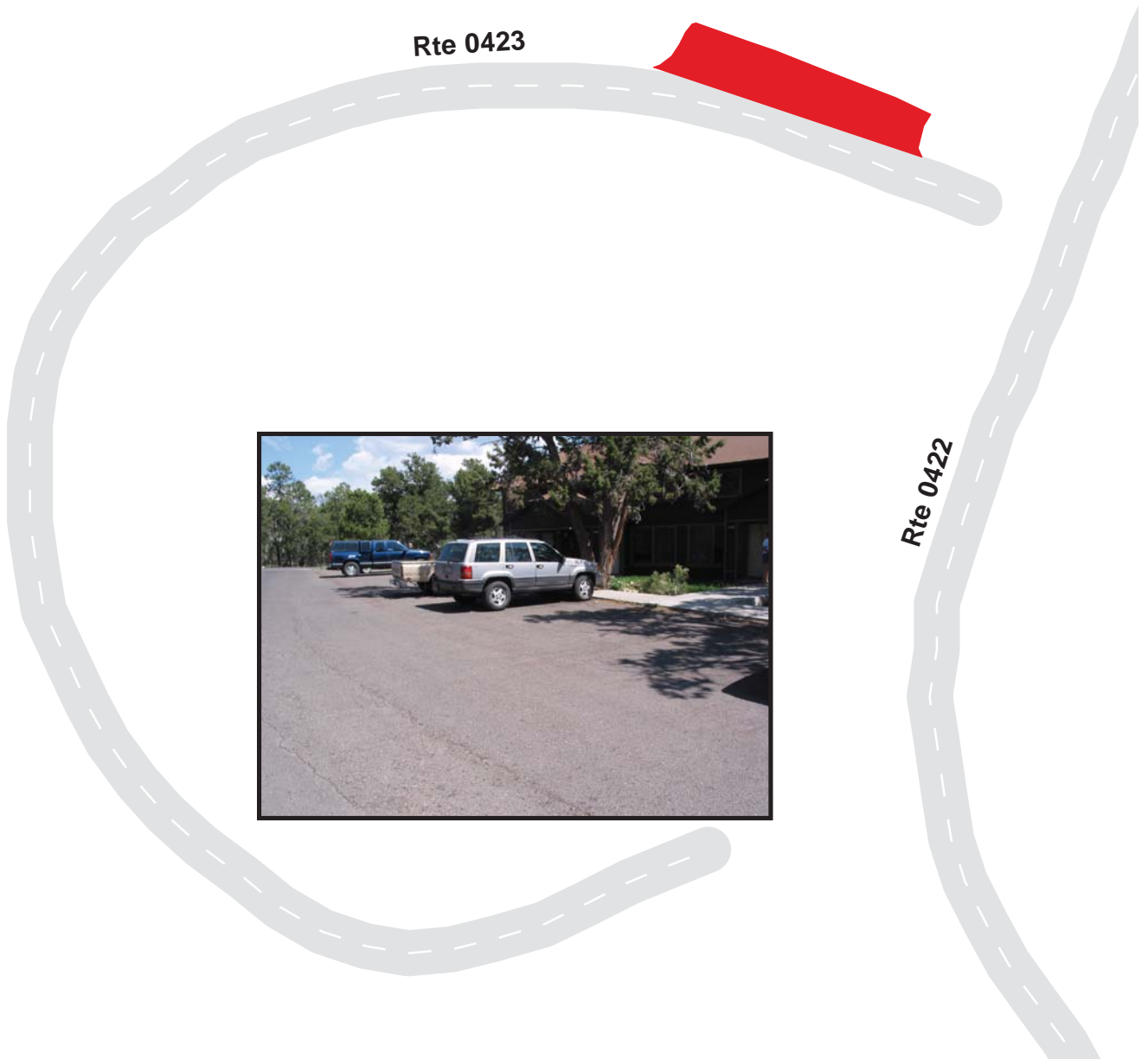
Grand Canyon National Park

Route 1007A

Grand Canyon Housing Loop Road Parking A
Adjacent To Route 0423 at MP 0.01 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1007A	NonPublic	6/5/2003	1651	0.03	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

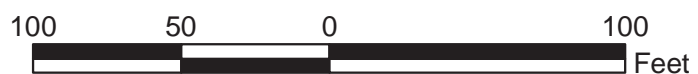
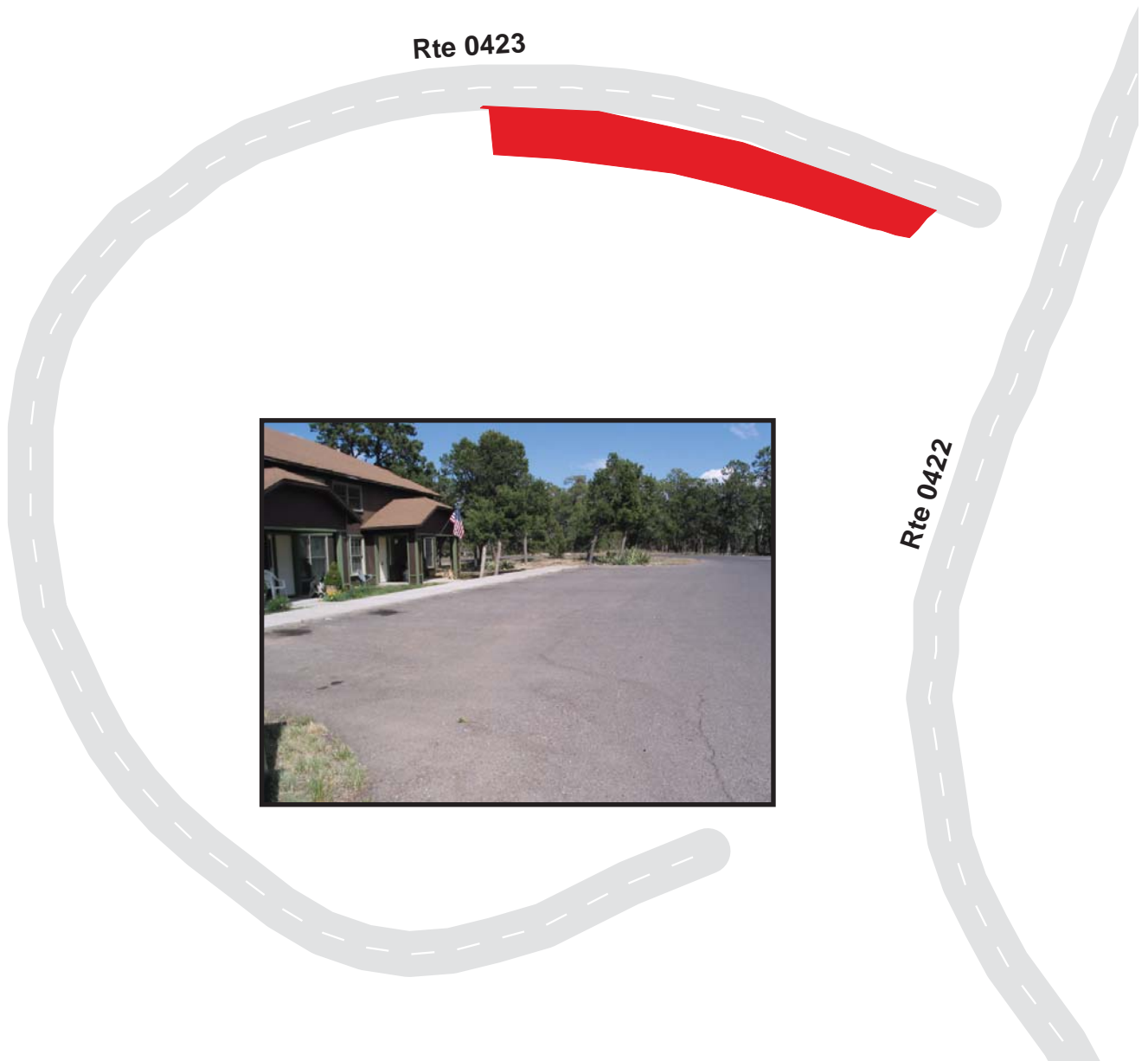
Route 1007B

Grand Canyon Housing Loop Road Parking B

Adjacent To Route 0423 at MP 0.01 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1007B	NonPublic	6/5/2003	2439	0.04	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 1007C

Grand Canyon Housing Loop Road Parking C

Adjacent To Route 0423 at MP 0.04 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1007C	NonPublic	6/5/2003	1830	0.03	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

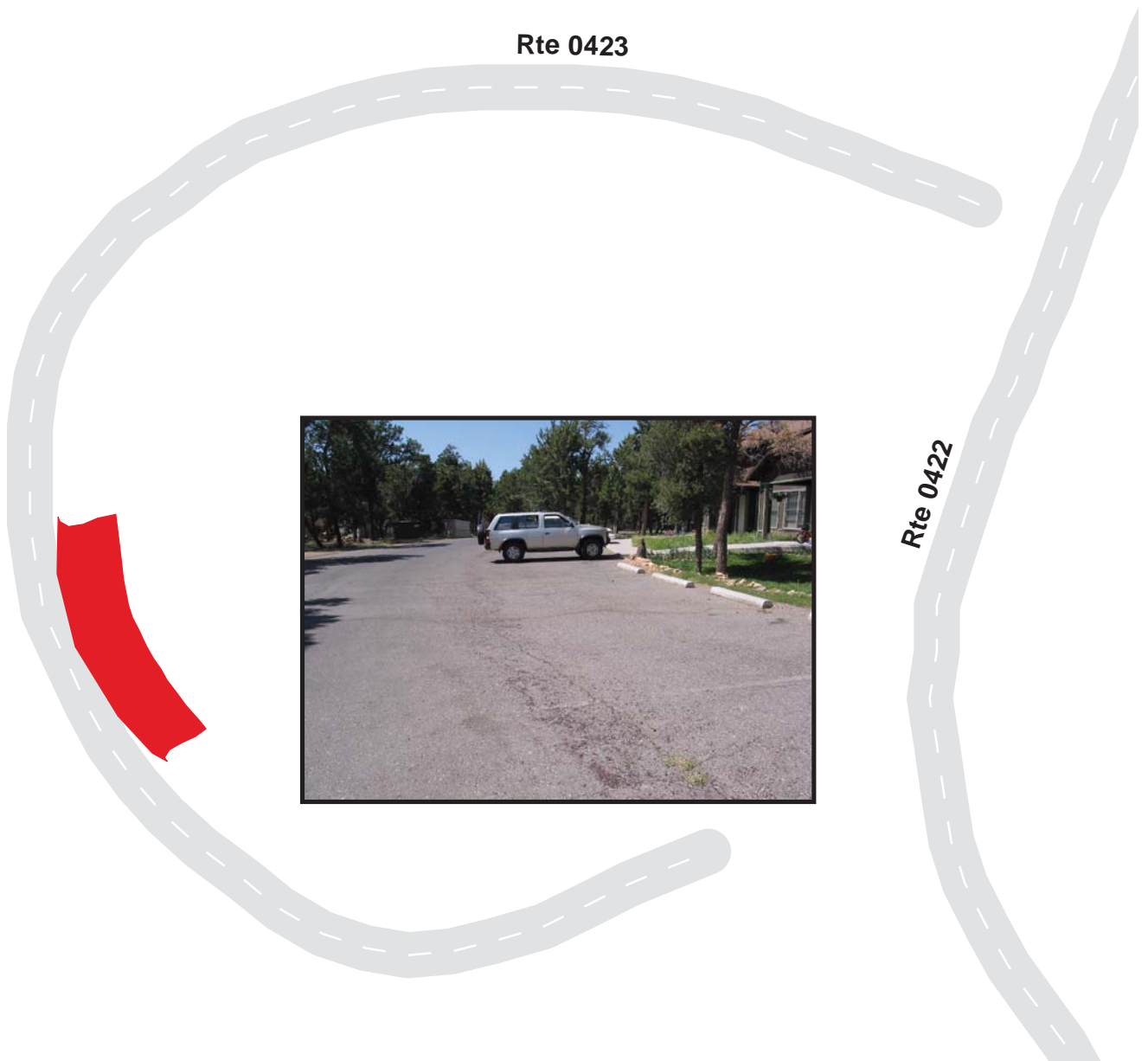
Route 1007D

Grand Canyon Housing Loop Road Parking D

Adjacent To Route 0423 at MP 0.10 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1007D	NonPublic	6/5/2003	1869	0.03	AS	FAIR / 73

* Lane miles are based on 11' lane widths



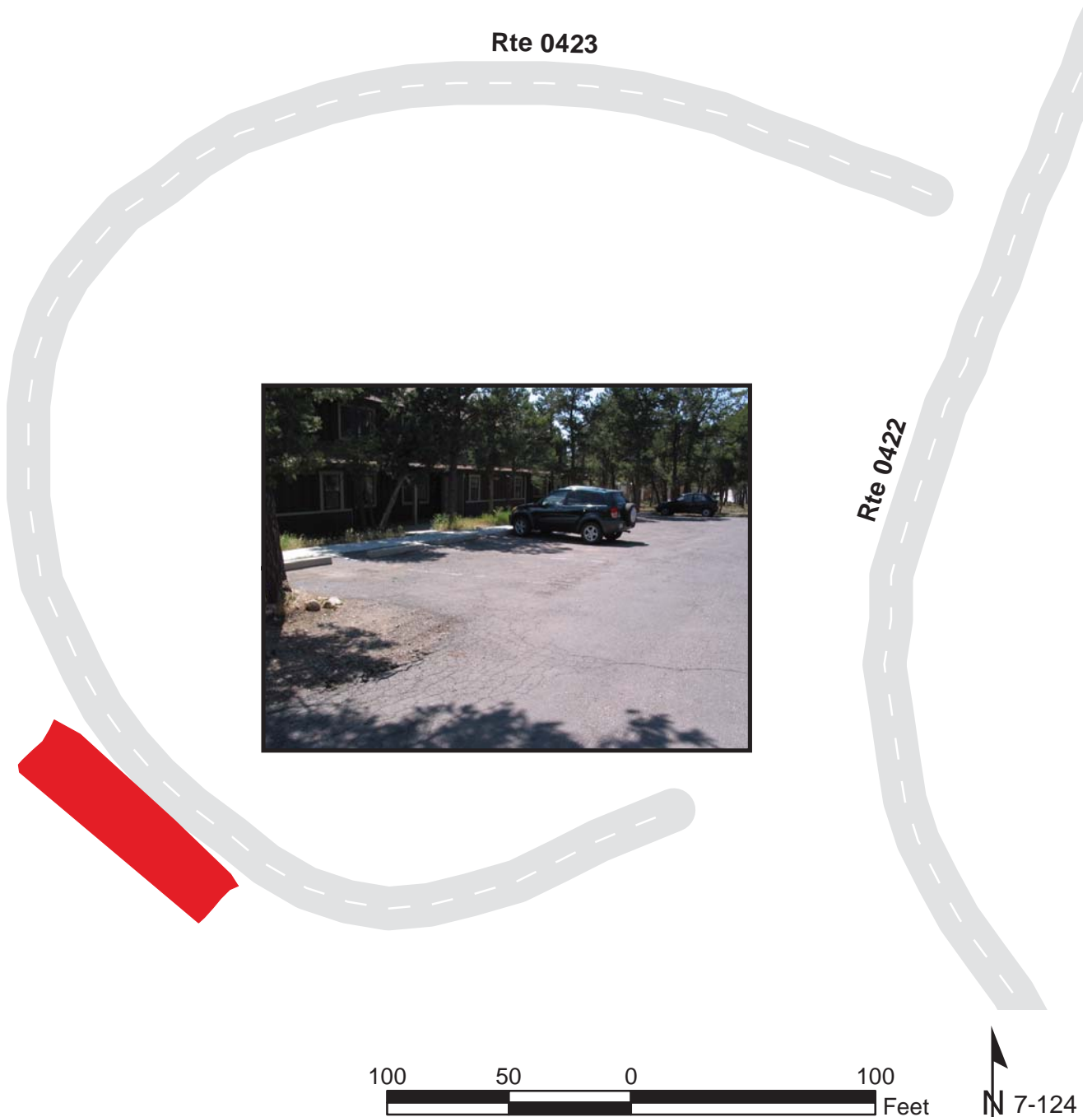
Grand Canyon National Park

Route 1007E

Grand Canyon Housing Loop Road Parking E
Adjacent To Route 0423 at MP 0.12 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1007E	NonPublic	6/5/2003	2069	0.04	AS	POOR / 45

* Lane miles are based on 11' lane widths



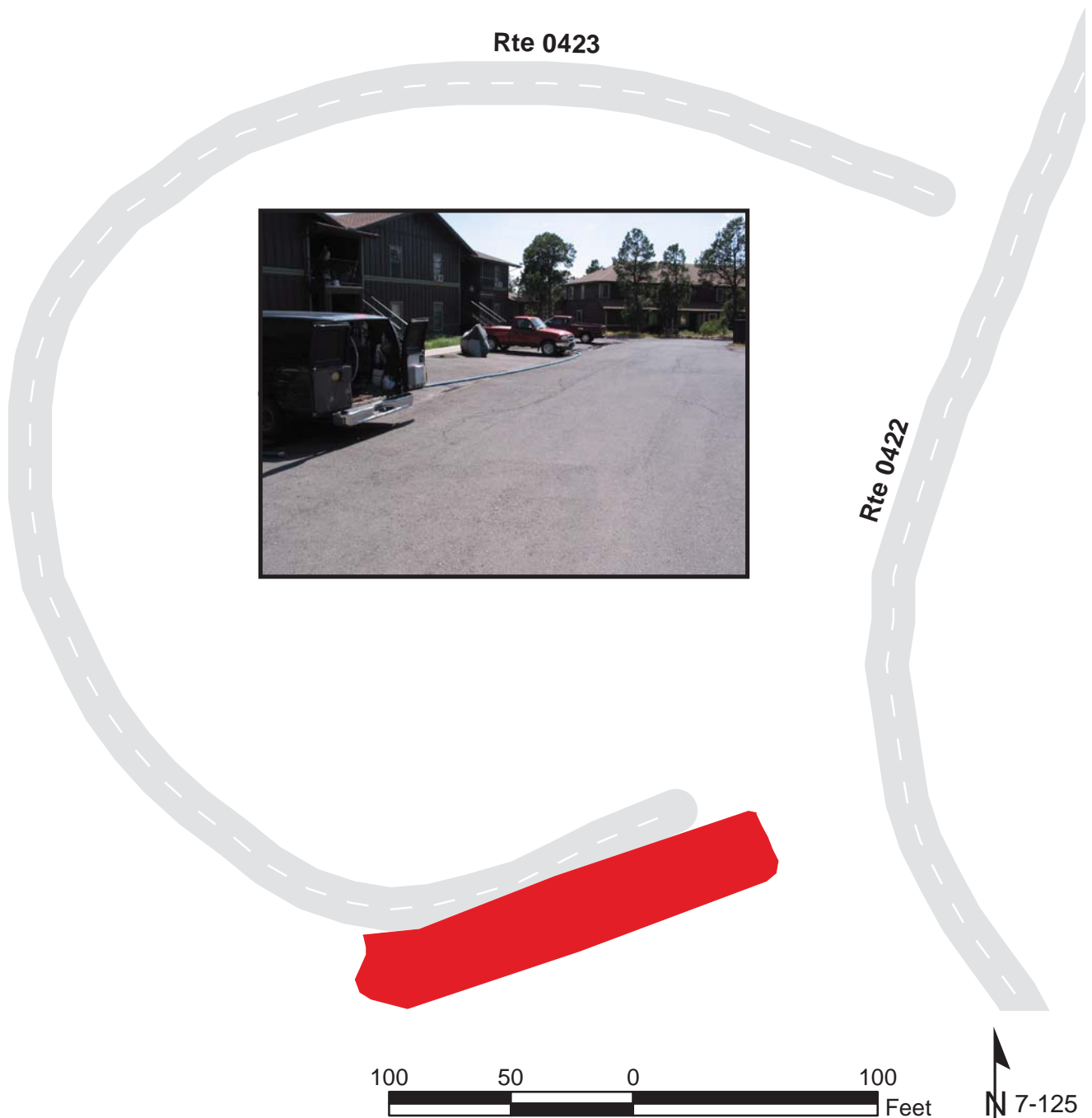
Grand Canyon National Park

Route 1007F

Grand Canyon Housing Loop Road Parking F
Adjacent To Route 0423 at MP 0.15 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1007F	NonPublic	6/5/2003	4290	0.07	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

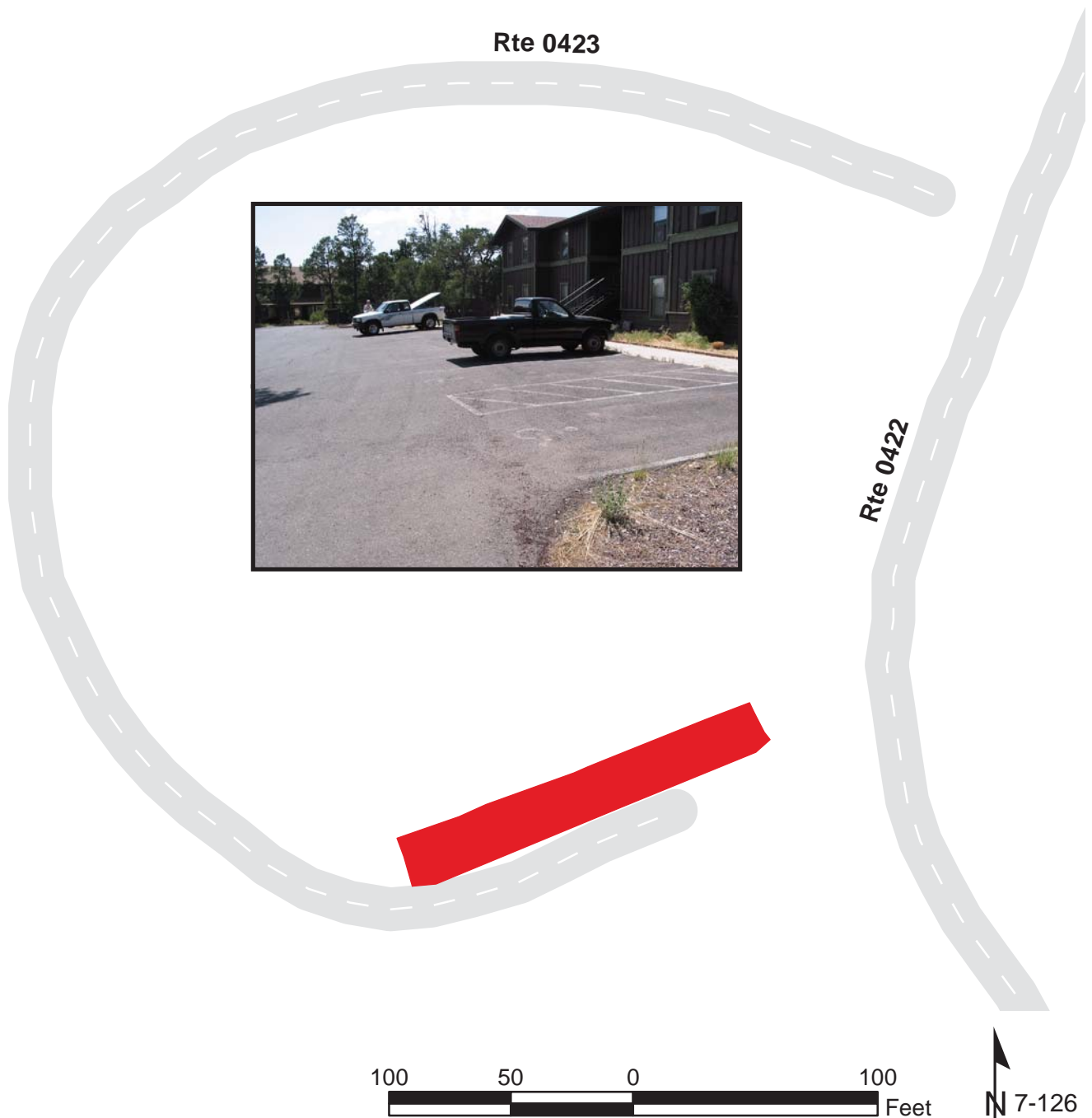
Route 1007G

Grand Canyon Housing Loop Road Parking G

Adjacent To Route 0423 at MP 0.15 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1007G	NonPublic	6/5/2003	2647	0.05	AS	FAIR / 73

* Lane miles are based on 11' lane widths



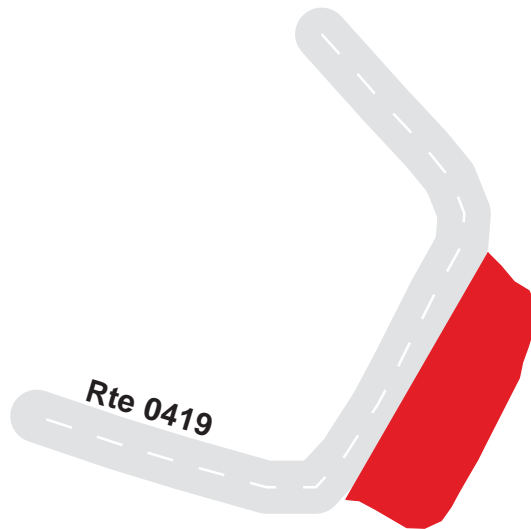
Grand Canyon National Park

Route 1008A

Kolb Street Parking A
Adjacent To Route 0419

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1008A	NonPublic	6/5/2003	1480	0.03	AS	POOR / 45

* Lane miles are based on 11' lane widths



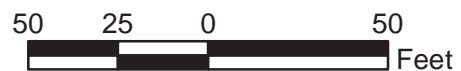
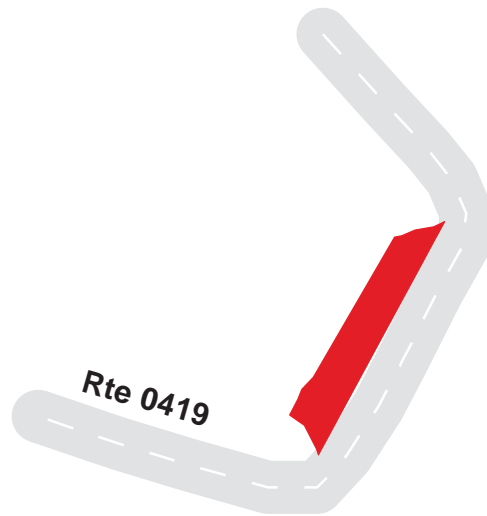
Grand Canyon National Park

Route 1008B

Kolb Street Parking B
Adjacent To Route 0419

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1008B	NonPublic	6/5/2003	585	0.01	AS	POOR / 45

* Lane miles are based on 11' lane widths



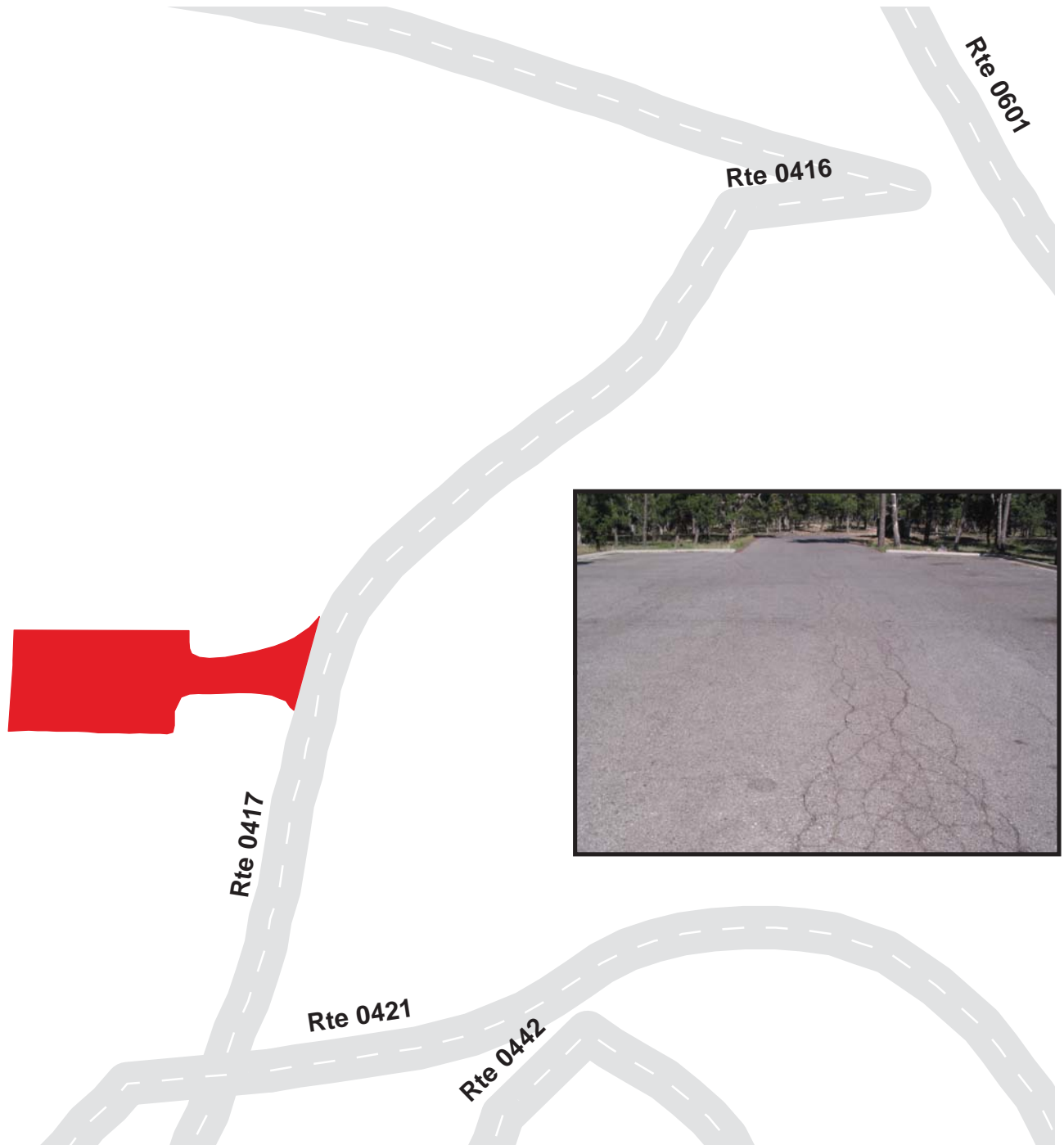
Grand Canyon National Park

Route 1009

Haluapia Court Parking
Adjacent To Route 0417

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1009	NonPublic	6/5/2003	7179	0.12	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 1010A

Muave Court Parking A

Adjacent To Route 0416 at MP 0.04 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1010A	NonPublic	6/5/2003	2897	0.05	AS	POOR / 45

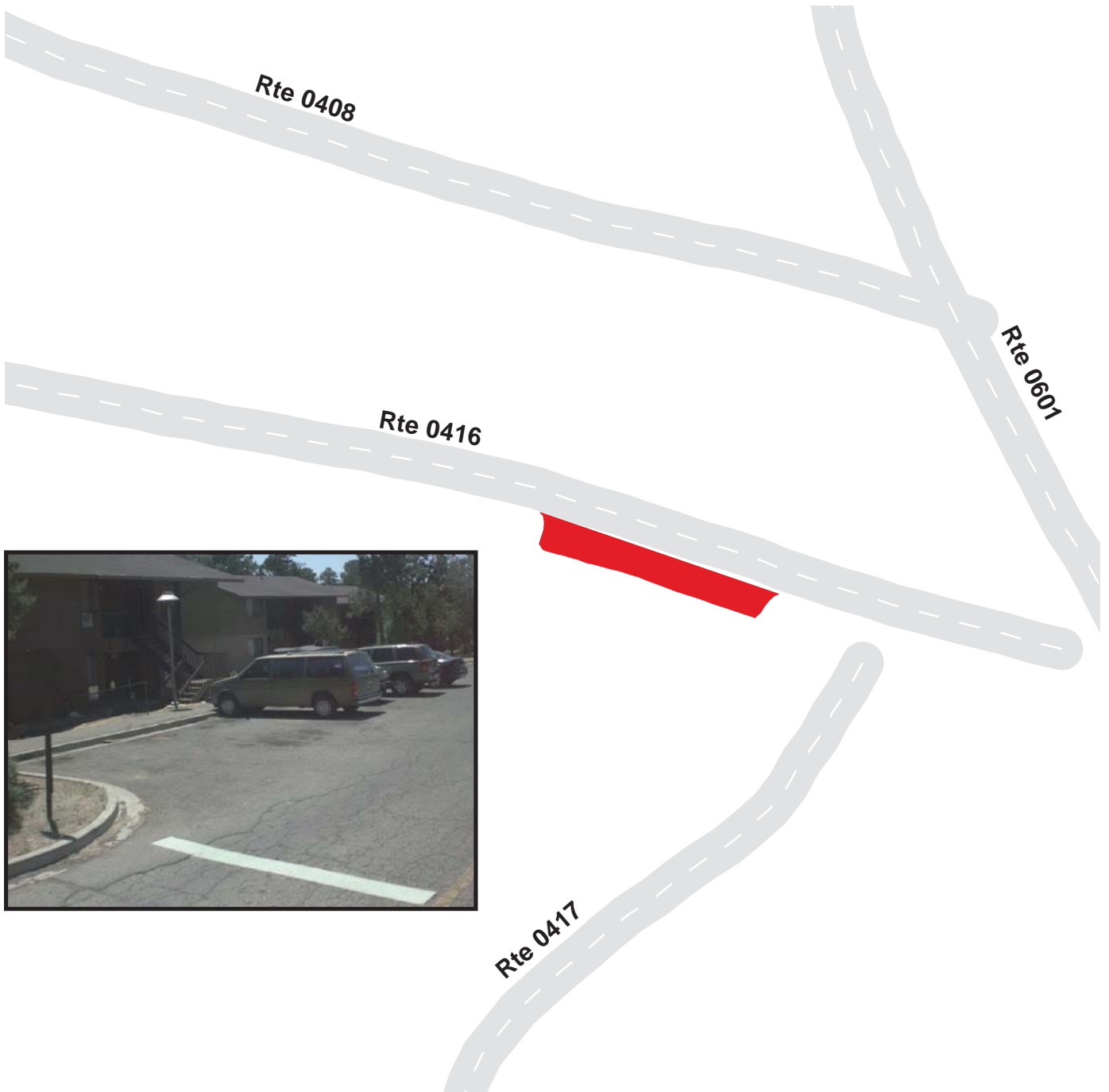
* Lane miles are based on 11' lane widths



Grand Canyon National Park
Route 1010B
 Muave Court Parking B
 Adjacent To Route 0416 at MP 0.04 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1010B	NonPublic	6/5/2003	2311	0.04	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

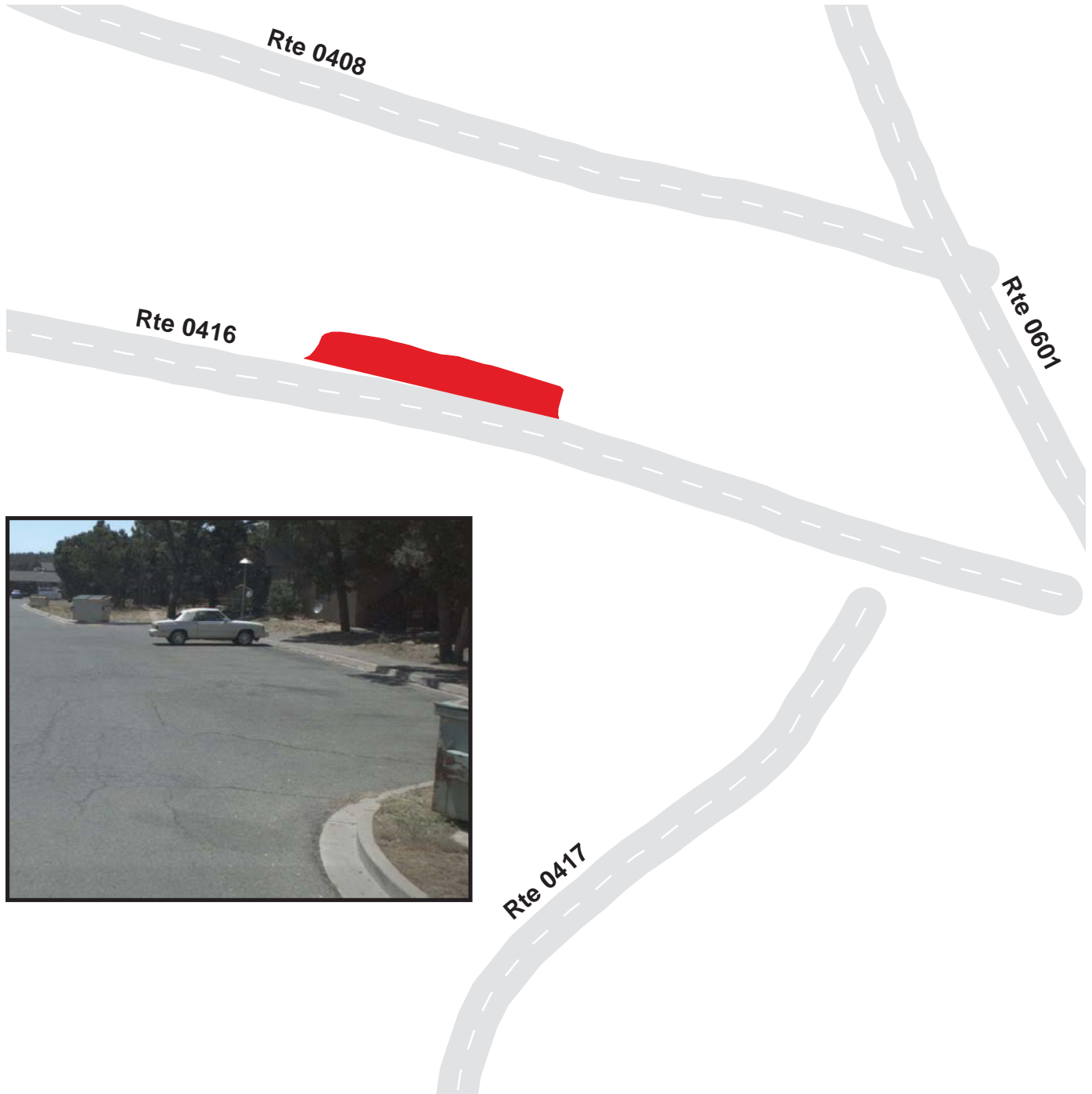
Route 1010C

Muave Court Parking C

Adjacent To Route 0416 at MP 0.07 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1010C	NonPublic	6/5/2003	2840	0.05	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 1010D

Muave Court Parking D

Adjacent To Route 0416 at MP 0.07 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1010D	NonPublic	6/5/2003	2598	0.04	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

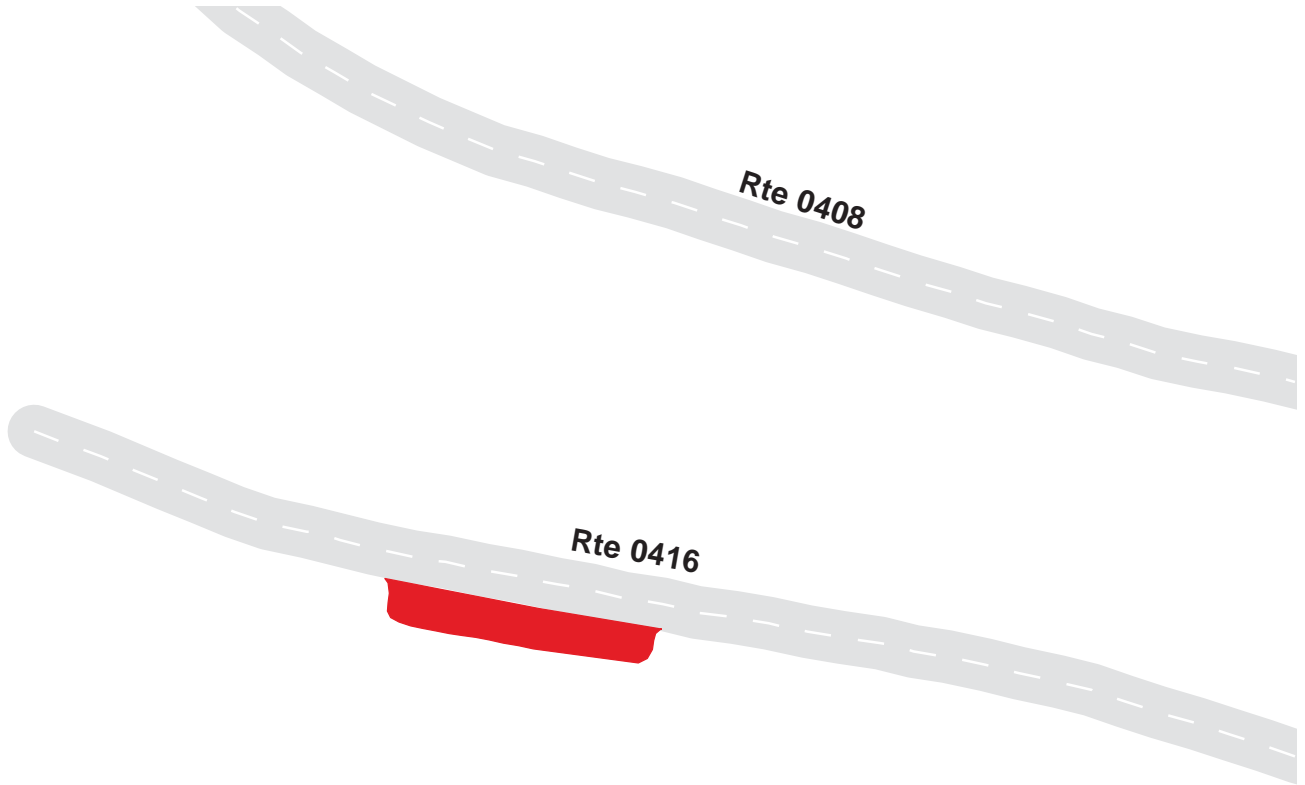
Route 1010E

Muave Court Parking E

Adjacent To Route 0416 at MP 0.1 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1010E	NonPublic	6/5/2003	2163	0.04	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

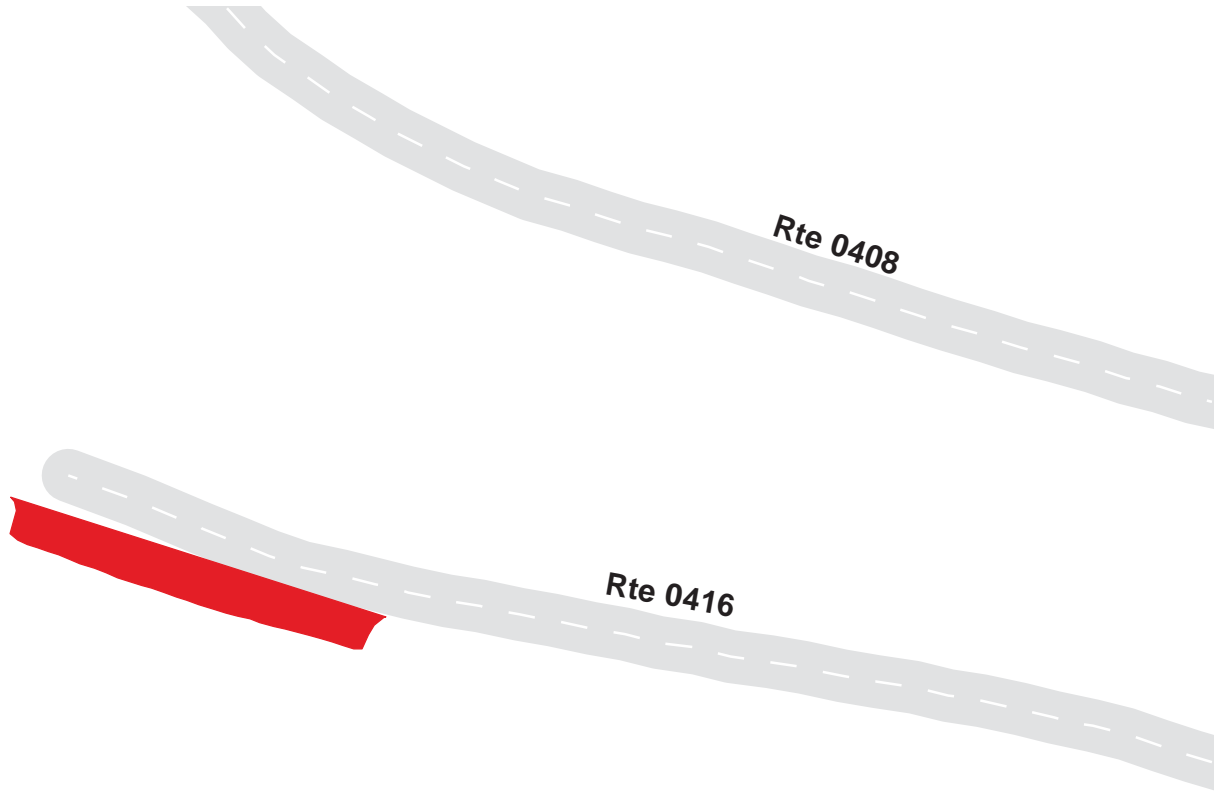
Route 1010F

Muave Court Parking F

Adjacent To Route 0416 at MP 0.13 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1010F	NonPublic	6/5/2003	3227	0.06	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

Route 1010G

Muave Court Parking G

Adjacent To Route 0416 at MP 0.13 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1010G	NonPublic	6/5/2003	2872	0.05	AS	POOR / 45

* Lane miles are based on 11' lane widths



Grand Canyon National Park

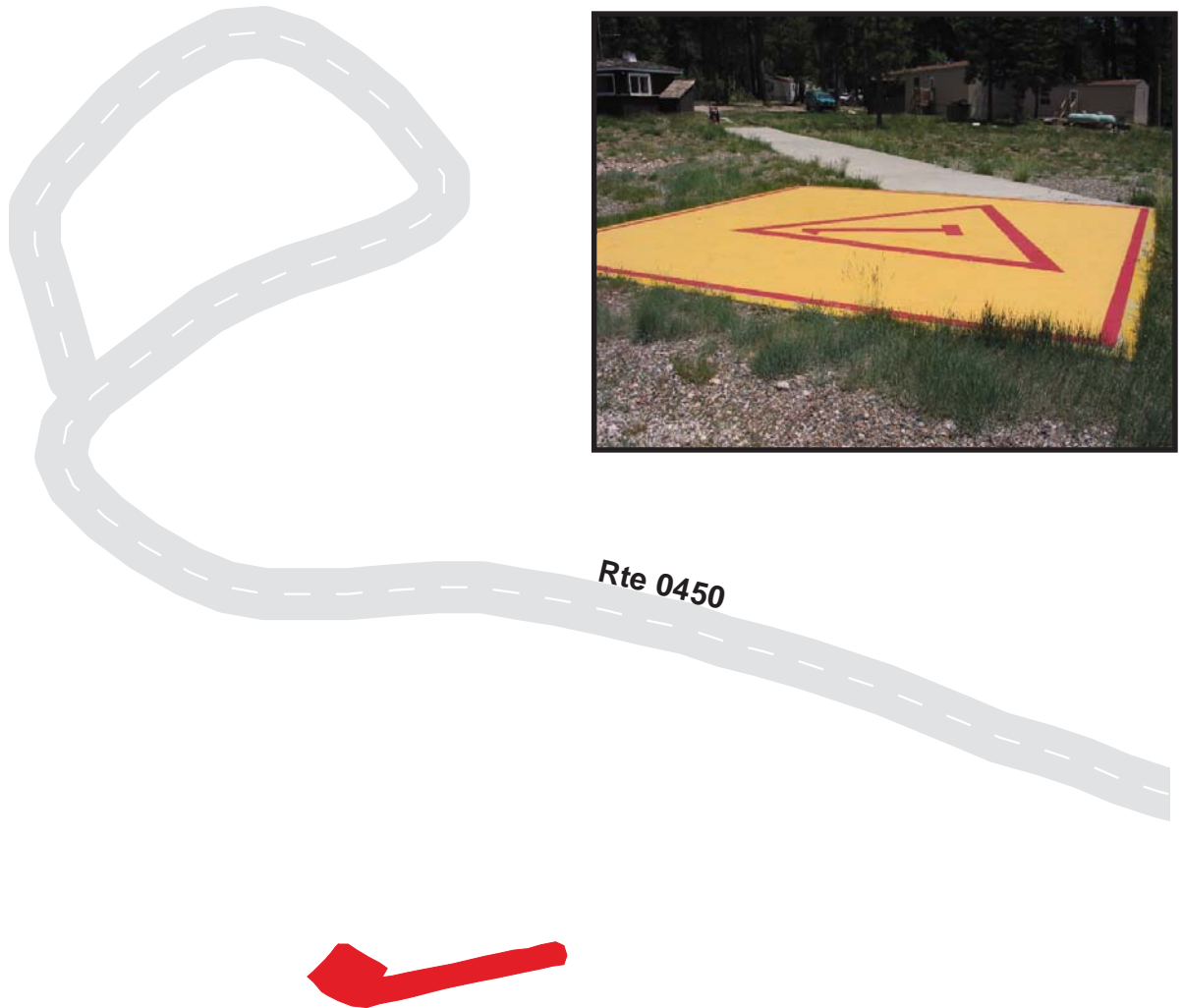
Route 1011A

Helicopter Pad A

Near Route 0450

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1011A	NonPublic	6/5/2003	1161	0.02	CO	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

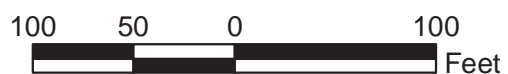
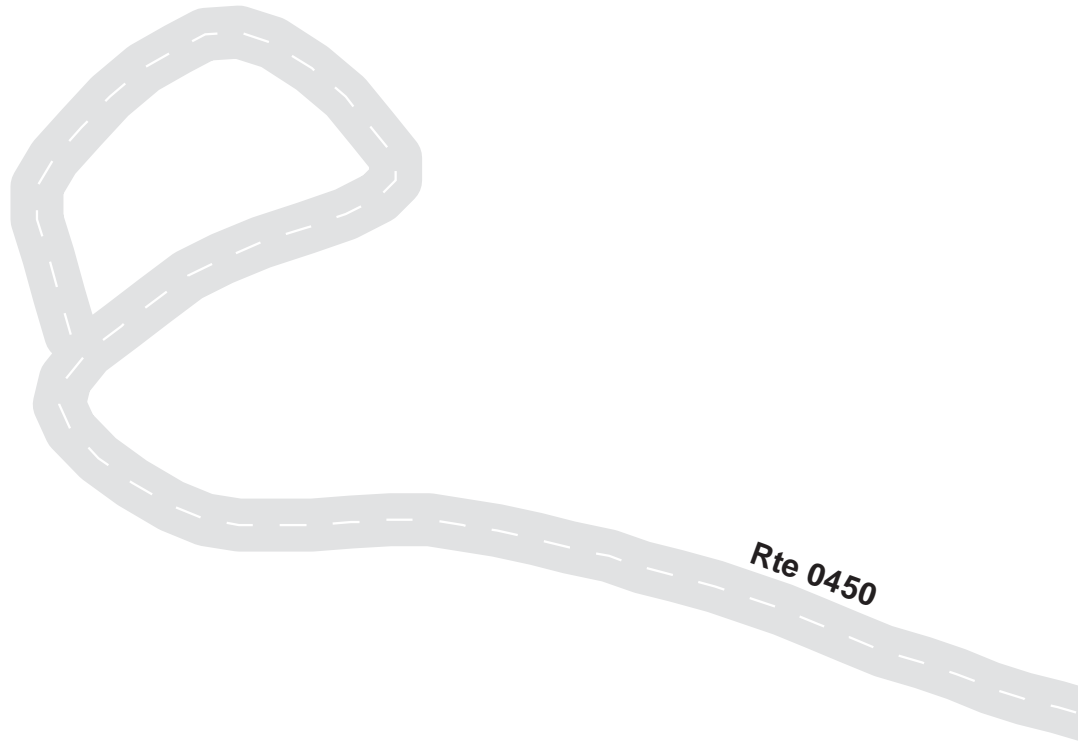
Route 1011A

Helicopter Pad A

Near Route 0450

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1011A	NonPublic	6/5/2003	1161	0.02	CO	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

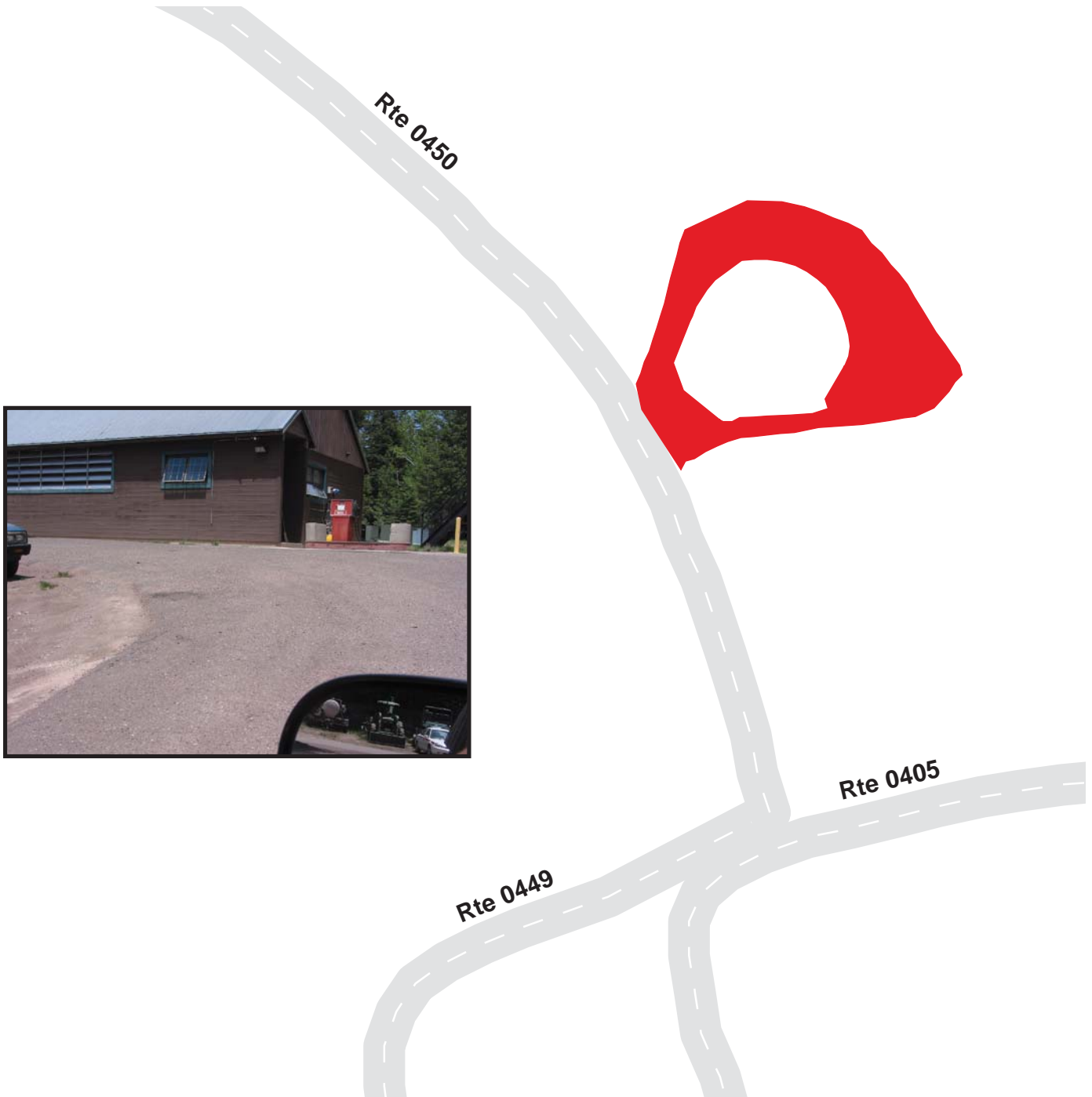
Route 1012

Generator Loop Parking

From Route 0450

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1012	NonPublic	6/5/2003	5774	0.10	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

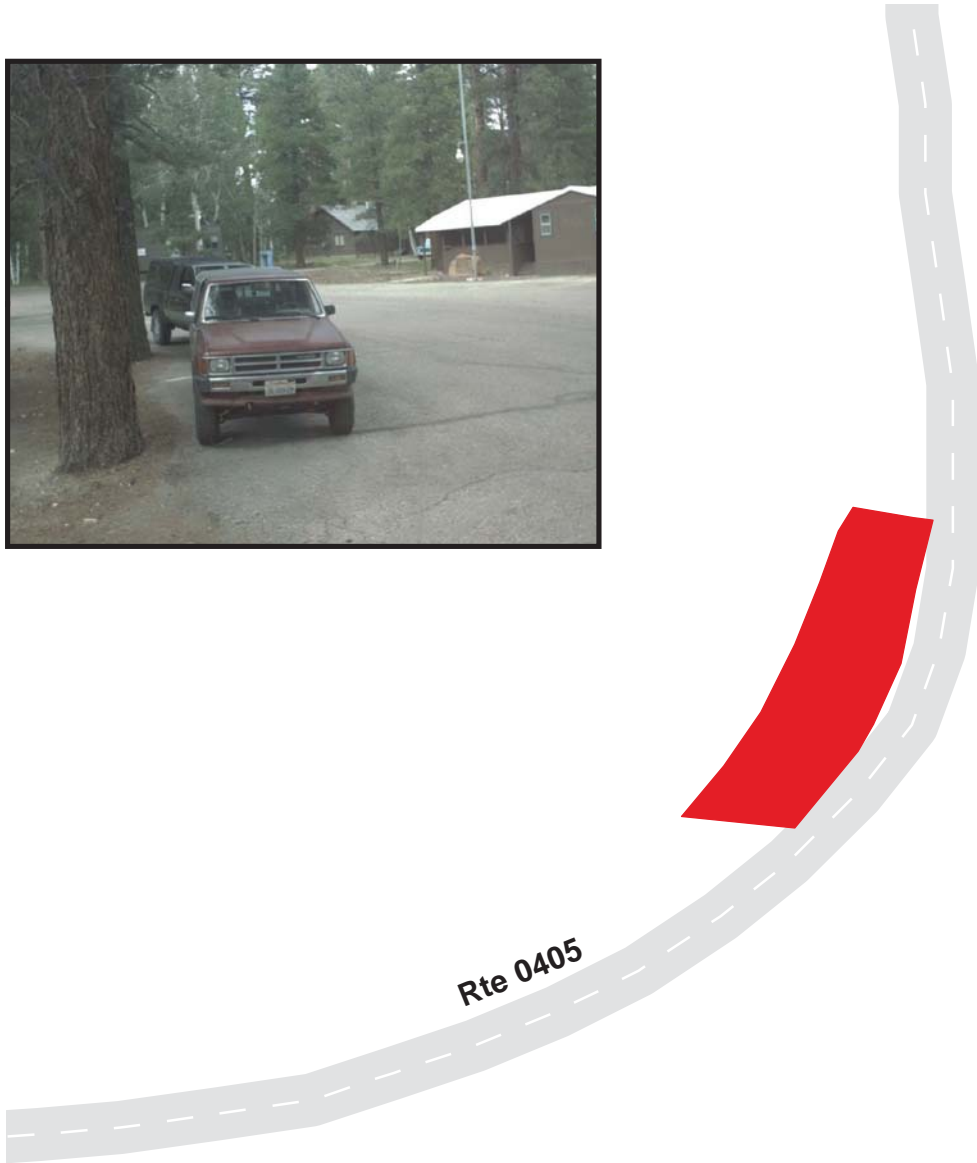
Route 1013

Bunkhouse Parking

Adjacent To Route 0405 on left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1013	NonPublic	6/5/2003	1220	0.02	AS	GOOD / 90

* Lane miles are based on 11' lane widths



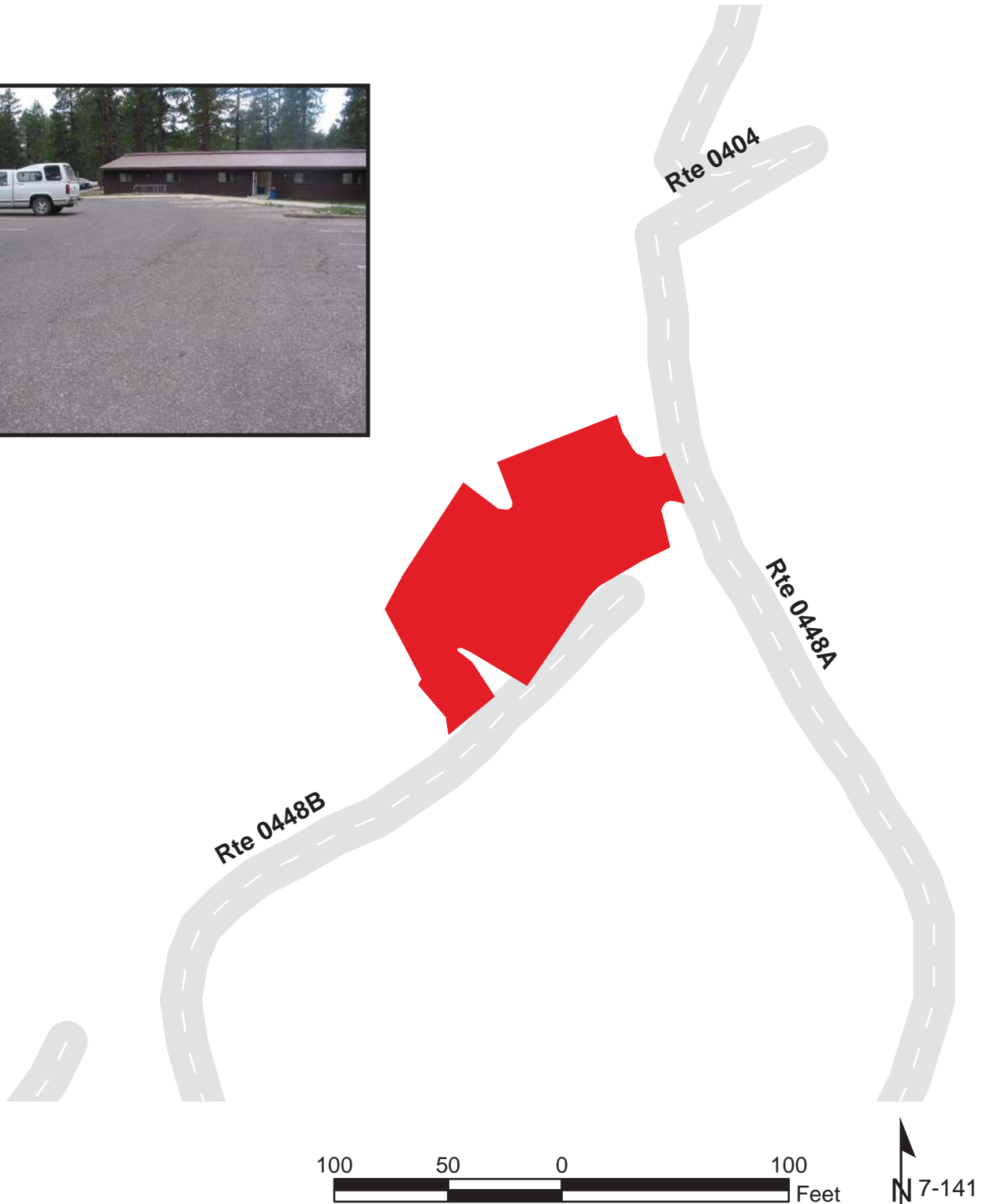
Grand Canyon National Park

Route 1014A

Concession Dorm Parking
Adjacent To Route 0448B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1014A	NonPublic	6/5/2003	7204	0.12	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

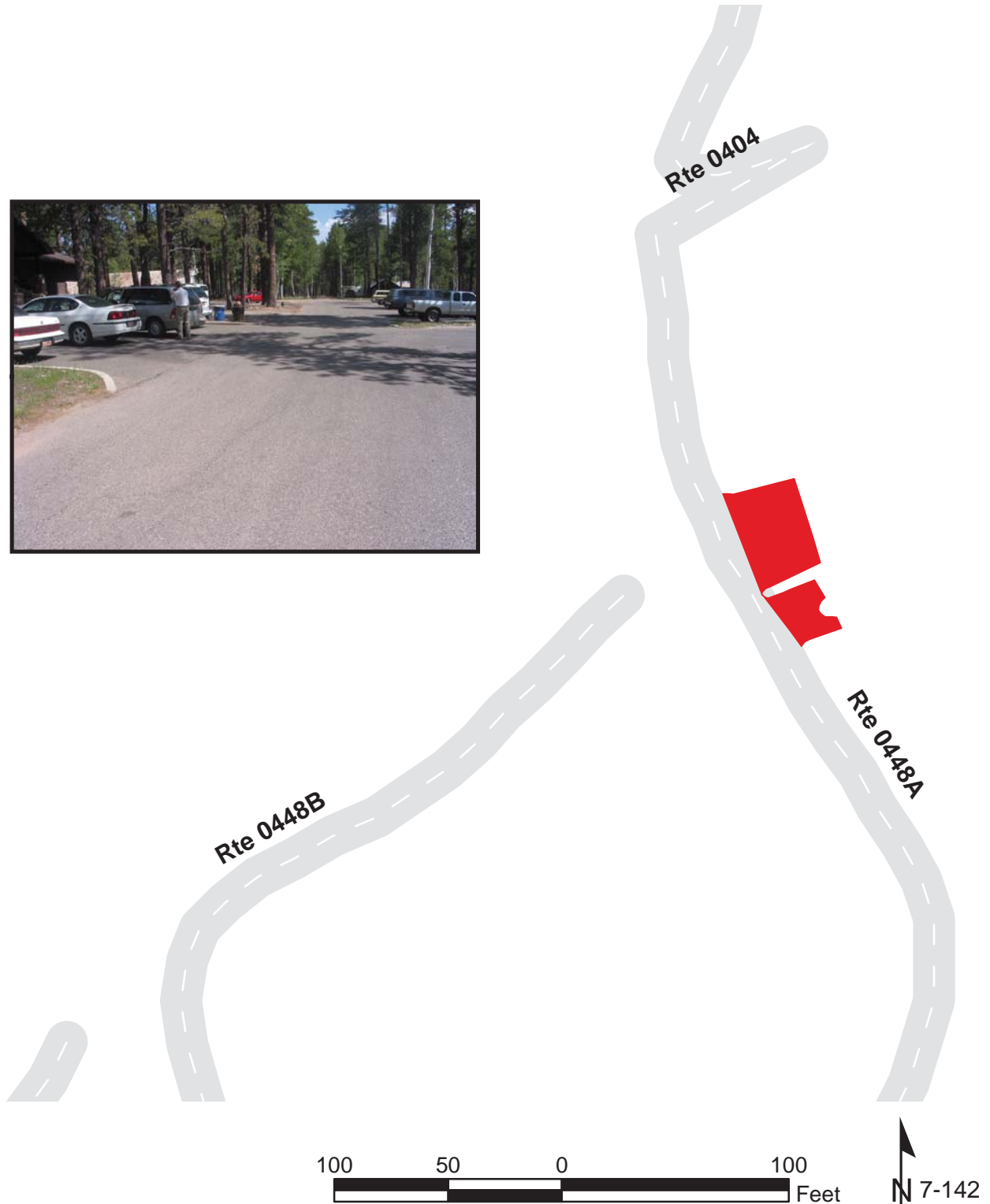
Route 1014B

Concessionaire Cafeteria Parking

Adjacent To Route 0448A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1014B	NonPublic	6/5/2003	1417	0.02	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

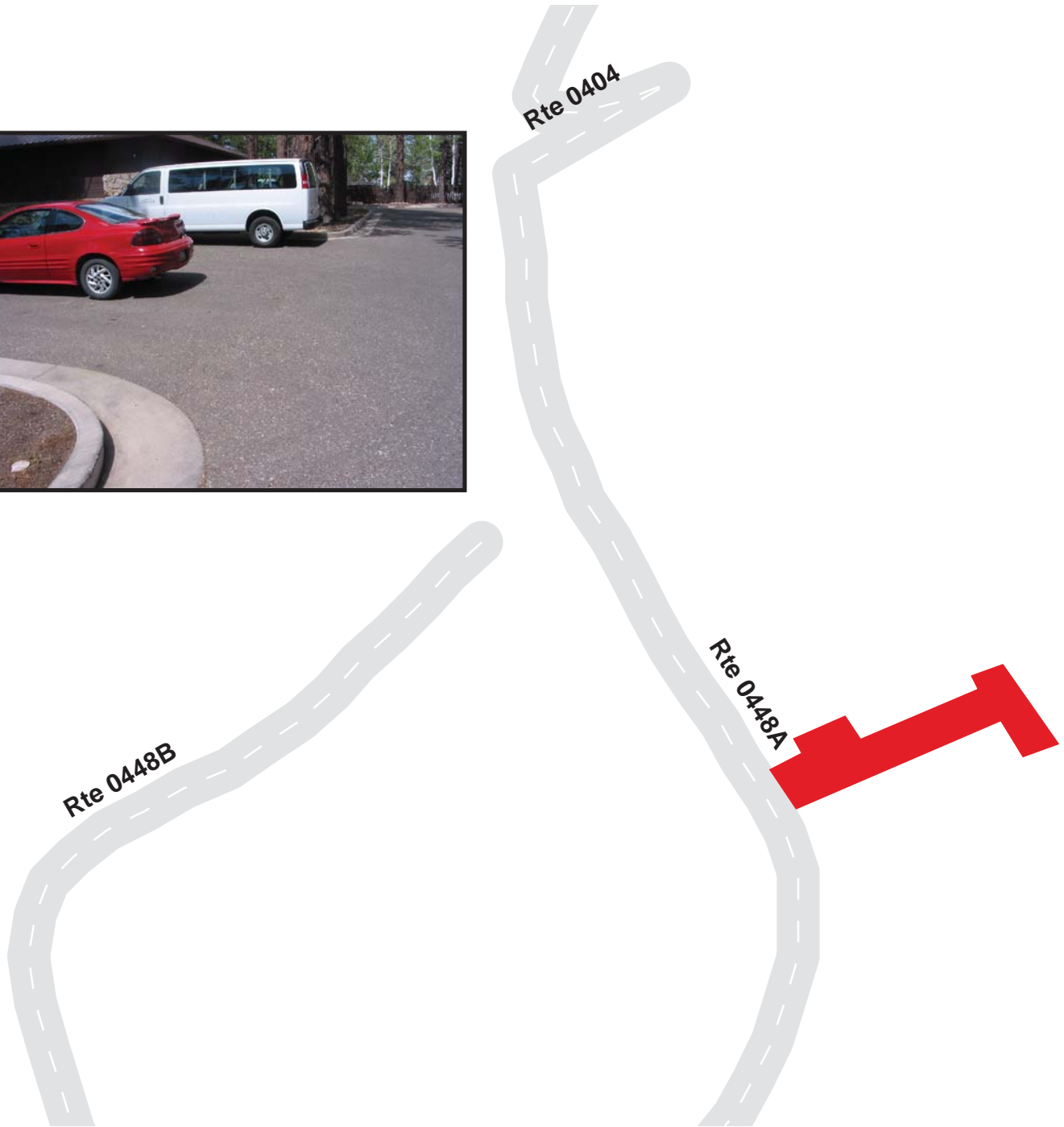
Route 1014C

Cafeteria Employee Parking

Adjacent To Route 0448A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1014C	NonPublic	6/5/2003	2051	0.04	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

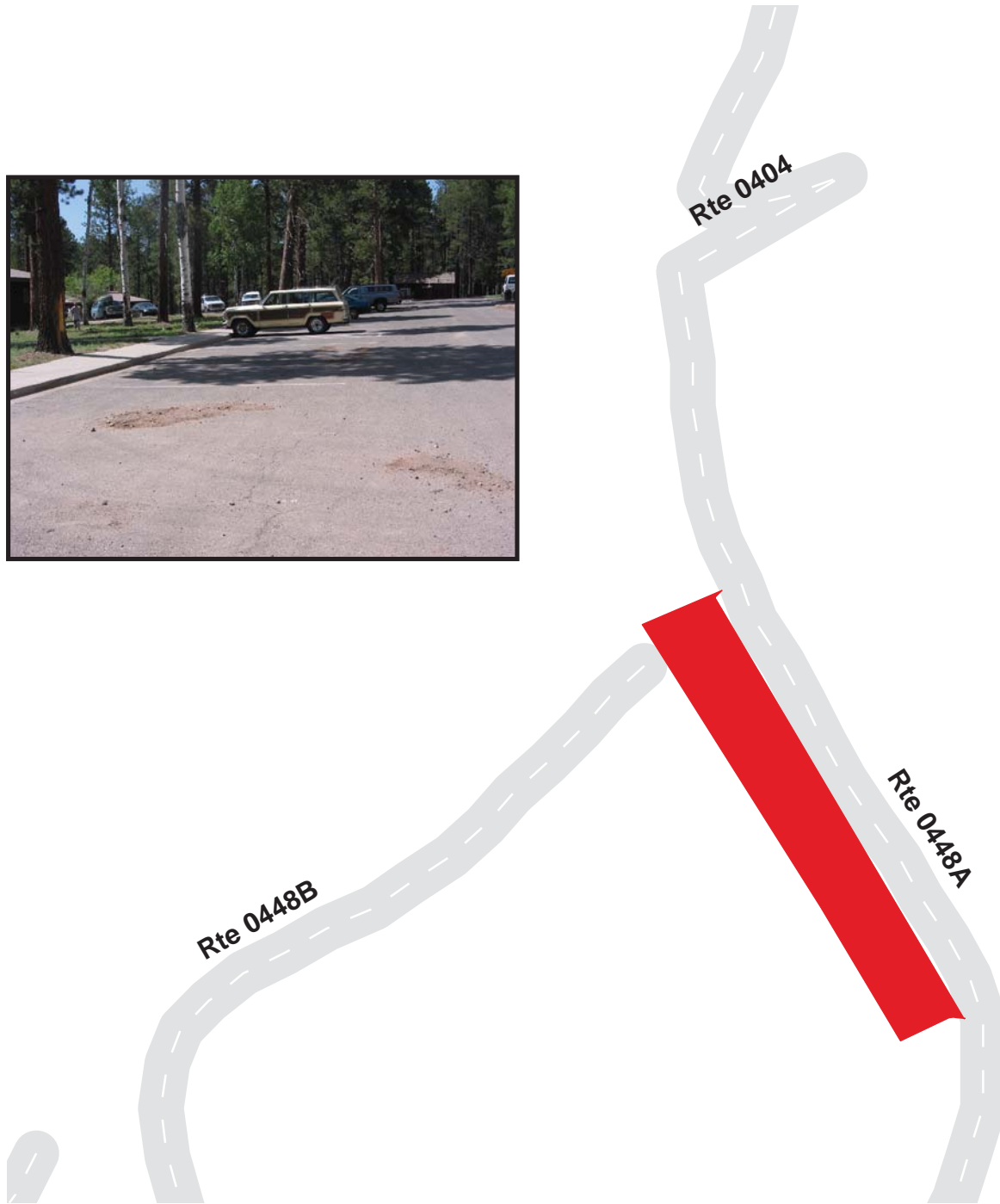
Route 1014D

Concessionaire Dorm Parking

Adjacent To Route 0448A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1014D	NonPublic	6/5/2003	4462	0.08	AS	FAIR / 73

* Lane miles are based on 11' lane widths



Grand Canyon National Park

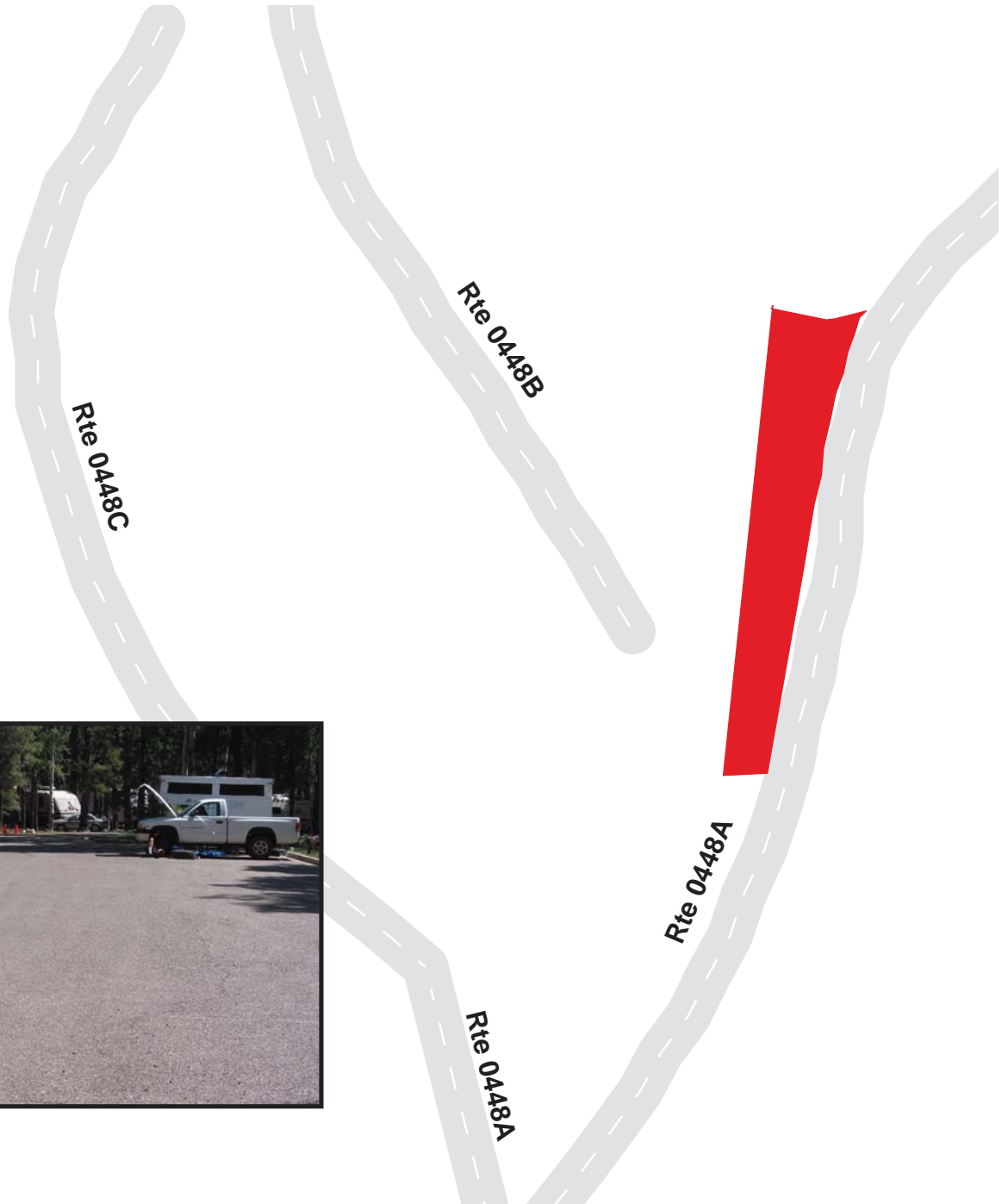
Route 1014E

Concessionaire Dorm Parking

Adjacent To Route 0448A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1014E	NonPublic	6/4/2003	3680	0.06	AS	GOOD / 90

* Lane miles are based on 11' lane widths



Grand Canyon National Park

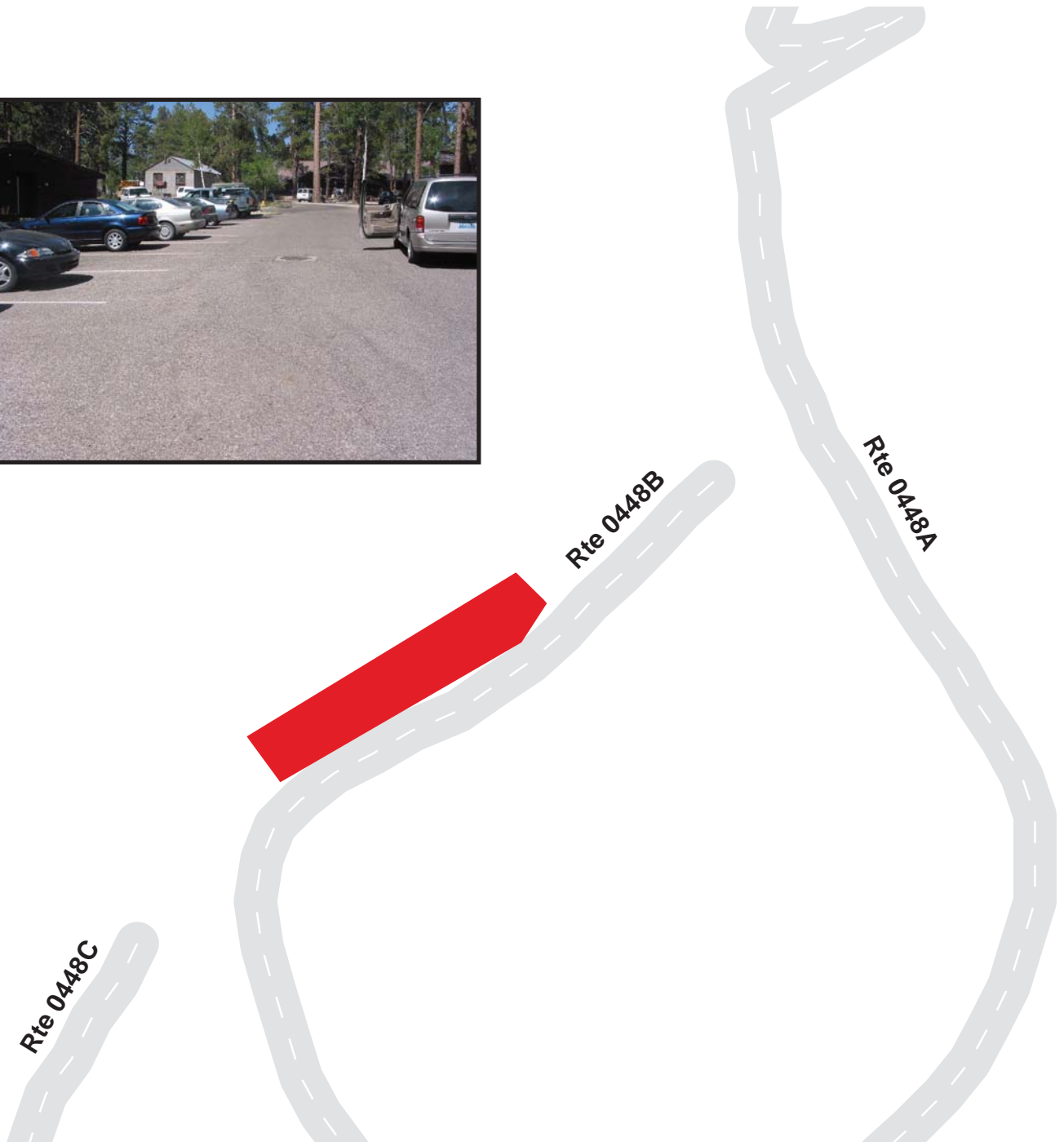
Route 1014F

Concessionaire Dorm Parking

Adjacent To Route 0448B

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1014F	NonPublic	6/4/2003	2659	0.05	AS	GOOD / 90

* Lane miles are based on 11' lane widths



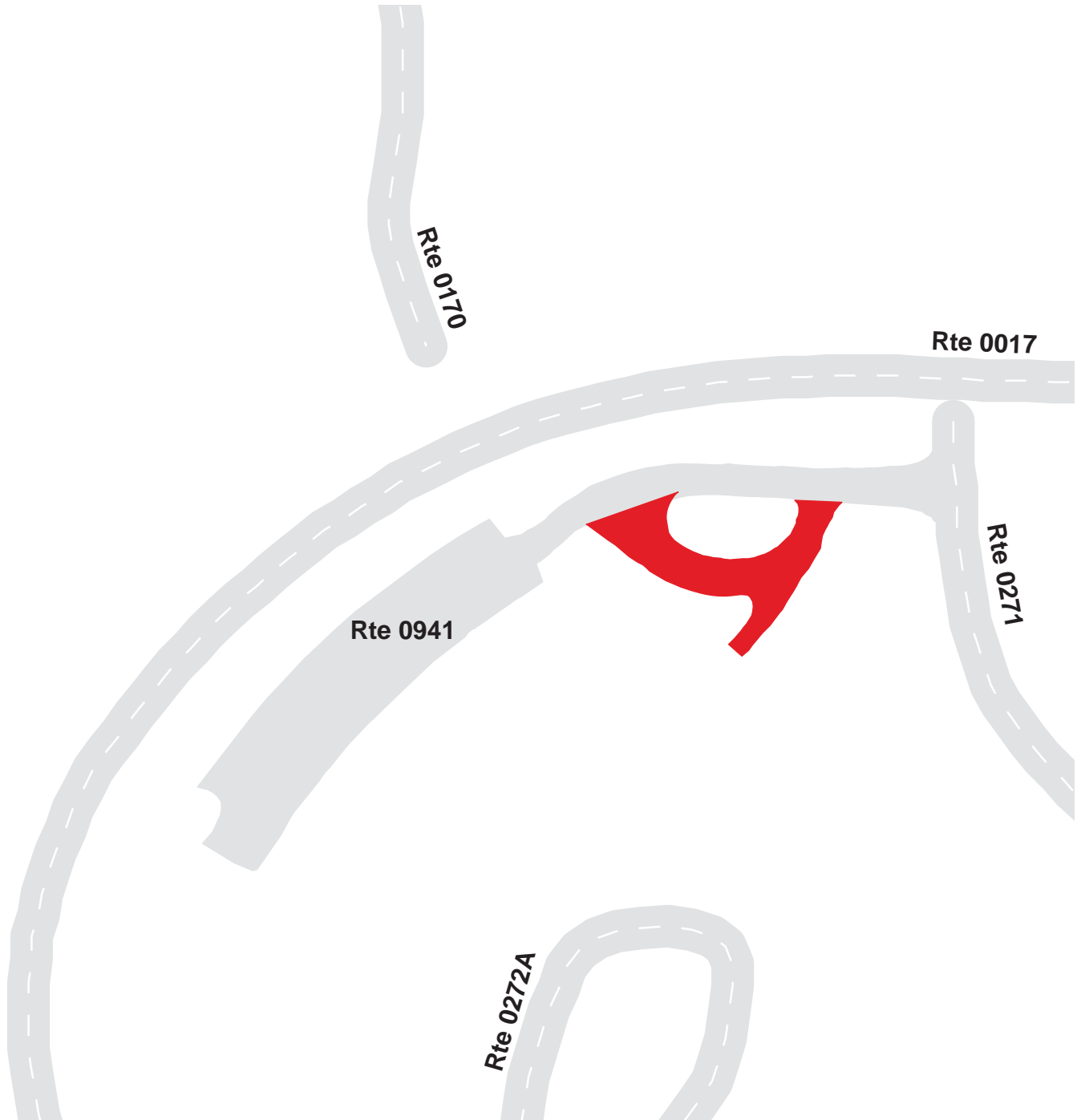
Grand Canyon National Park

Route 1016

Mather Campground Dump Station
From Route 0941

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1016	Public	6/5/2003	6767	0.12	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



Grand Canyon National Park

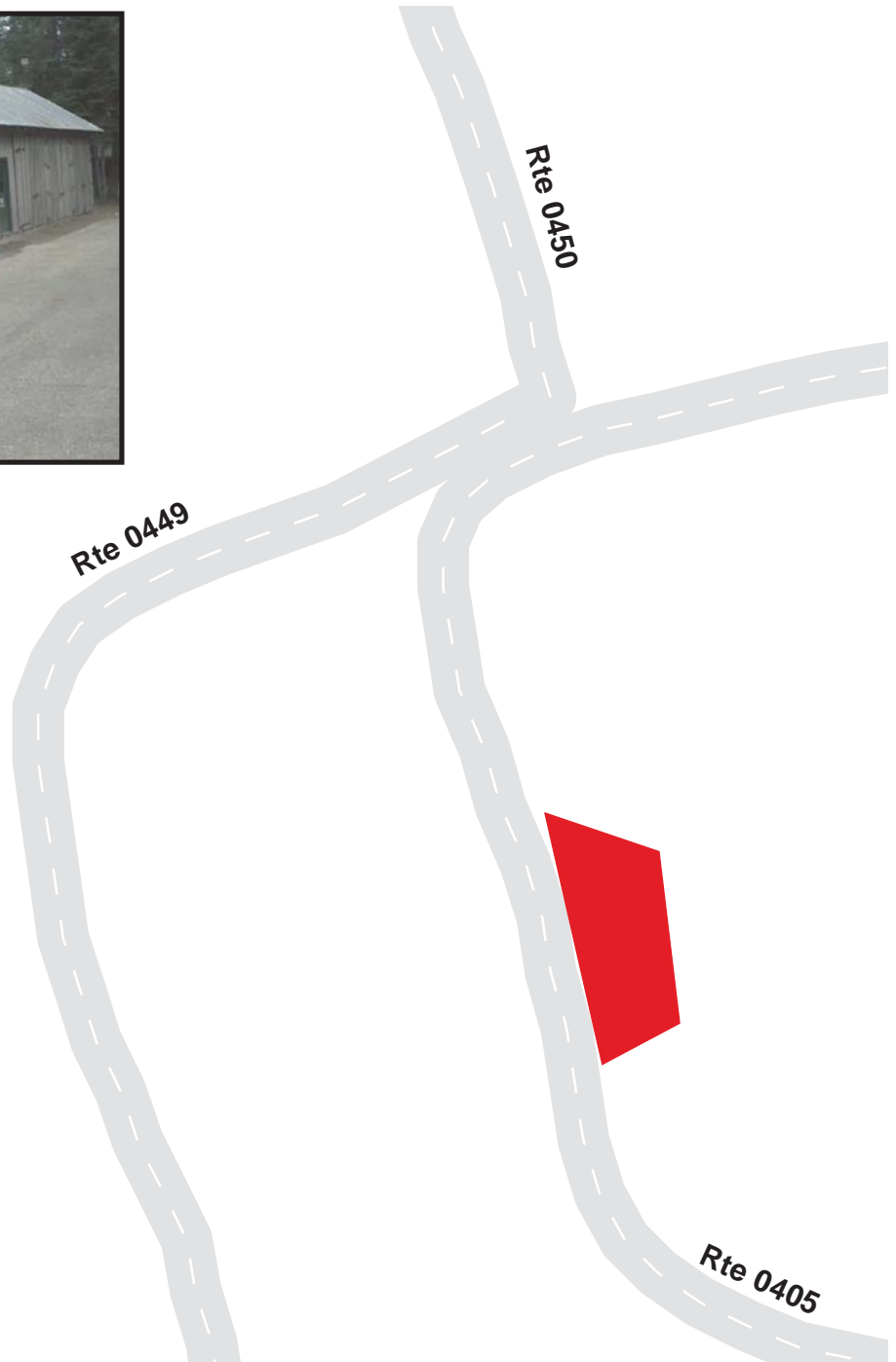
Route 1017

Residence Parking Area

Adjacent to Route 0405

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
1017	NonPublic	6/5/2003	1867	0.03	AS	FAIR / 73

* Lane miles are based on 11' lane widths



GRCA: PARKWIDE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>PARK TOTAL</i>	<i>UNIT</i>
BRIDGE	0	EACH
CATTLE GUARD	1	EACH
CULVERT	453	EACH
CURB	42,372	LINEAR FEET
DROP INLET	26	EACH
GUARD WALL	5,998	LINEAR FEET
GUARDRAIL	4,124	LINEAR FEET
INTERSECTION	994	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	0	EACH
PAVED DITCH	0	LINEAR FEET
PULLOUT	40	EACH
RAILROAD CROSSING	14	EACH
RETAINING WALL	0	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0010 POINT IMPERIAL ROAD</i>	<i>ROUTE 0011 DESERT VIEW DRIVE</i>	<i>ROUTE 0012 SOUTH ENTRANCE ROAD</i>	<i>ROUTE 0013 CAPE ROYAL ROAD</i>	<i>ROUTE 0014 NORTH ENTRANCE ROAD (HWY 67)</i>	<i>ROUTE 0015 HERMIT REST ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	1	0	EACH
CULVERT	9	99	32	95	77	16	EACH
CURB	0	7,608	6,014	1,568	3,612	317	LINEAR FEET
DROP INLET	0	2	3	0	3	0	EACH
GUARD WALL	0	507	0	0	0	2,878	LINEAR FEET
GUARDRAIL	0	1,193	0	998	1,932	0	LINEAR FEET
INTERSECTION	3	55	31	18	24	23	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	1	0	0	4	3	10	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0016 CENTER ROAD</i>	<i>ROUTE 0017 MARKET PLAZA ROAD</i>	<i>ROUTE 0160 ROWE WELL ROAD</i>	<i>ROUTE 0167 PRIMA POINT ROAD</i>	<i>ROUTE 0168 MOJAVE POINT ROAD</i>	<i>ROUTE 0169 POWELL MEMORIAL ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	14	11	6	1	1	0	EACH
CURB	692	385	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	248	317	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	20	7	6	6	3	3	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	2	0	0	0	1	1	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0170 ZUNI WAY</i>	<i>ROUTE 0201 NORTH RIM CAMPGROUND ROAD</i>	<i>ROUTE 0202 GRAND CANYON RECREATION CENTER</i>	<i>ROUTE 0203 YAVAPAI POINT ROAD</i>	<i>ROUTE 0204 NPS ACADEMY LOOP ROAD</i>	<i>ROUTE 0262 YAKI POINT ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	1	0	1	1	0	7	EACH
CURB	153	63	0	1,130	153	348	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	4	8	4	6	5	9	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0263 KAIBAB TRAIL ACCESS ROAD</i>	<i>ROUTE 0264 GRANDVIEW POINT ROAD</i>	<i>ROUTE 0265 MORAN POINT ROAD</i>	<i>ROUTE 0266 TUSAYAN RUIN ROAD</i>	<i>ROUTE 0267 LIPAN POINT ROAD</i>	<i>ROUTE 0270 DESERT VIEW CAMPGROUND</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	3	3	0	0	0	0	EACH
CURB	0	2,001	998	370	0	0	LINEAR FEET
DROP INLET	0	1	0	0	0	0	EACH
GUARD WALL	0	26	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	2	10	7	9	3	8	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	4	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0271 MATHER CAMPGROUND ACCESS ROAD	ROUTE 0272A MATHER CAMPGROUND ASPEN LOOP	ROUTE 0272B MATHER CAMPGROUND SAGE LOOP 1	ROUTE 0272C MATHER CAMPGROUND SAGE LOOP 2	ROUTE 0272D MATHER CAMPGROUND SAGE LOOP 3	ROUTE 0272E MATHER CAMPGROUND SAGE LOOP 4	UNIT
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	3	4	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	13	6	8	2	3	3	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	2	0	1	1	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0272F MATHER CAMPGROUND FIR LOOP</i>	<i>ROUTE 0272G MATHER CAMPGROUND PINE LOOP</i>	<i>ROUTE 0272H MATHER CAMPGROUND JUNIPER LOOP 1</i>	<i>ROUTE 0272I MATHER CAMPGROUND JUNIPER LOOP 2</i>	<i>ROUTE 0272J MATHER CAMPGROUND OAK LOOP 1</i>	<i>ROUTE 0272K MATHER CAMPGROUND OAK LOOP 2</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	2	2	2	0	0	3	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	5	4	5	4	8	2	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	2	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0272L MATHER CAMPGROUND MAPLE LOOP	ROUTE 0273A NORTH RIM CAMPGROUND OUTER LOOP	ROUTE 0273B NORTH RIM CAMPGROUND SITES 80 TO 83	ROUTE 0273C NORTH RIM CAMPGROUND SITES 74 TO 79	ROUTE 0273D NORTH RIM CAMPGROUND SITES 64 TO 73	ROUTE 0273E NORTH RIM CAMPGROUND SITES 53 TO 63	UNIT
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	0	EACH
CURB	0	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	4	25	4	5	4	4	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0273F NORTH RIM CAMPGROUND SITES 47 TO 52	ROUTE 0277A TRAILER VILLAGE ROAD OUTER LOOP A	ROUTE 0277B TRAILER VILLAGE ROAD OUTER LOOP B	ROUTE 0279A TRAILER VILLAGE ROAD A	ROUTE 0279B TRAILER VILLAGE ROAD B	ROUTE 0279C TRAILER VILLAGE ROAD C	UNIT
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	4	44	14	4	4	4	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	1	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0279D TRAILER VILLAGE ROAD D</i>	<i>ROUTE 0279E TRAILER VILLAGE ROAD E</i>	<i>ROUTE 0279F TRAILER VILLAGE ROAD F</i>	<i>ROUTE 0279G TRAILER VILLAGE ROAD G</i>	<i>ROUTE 0279H TRAILER VILLAGE ROAD H</i>	<i>ROUTE 0279I TRAILER VILLAGE ROAD I</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	0	EACH
CURB	0	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	4	4	4	4	4	5	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0279J TRAILER VILLAGE ROAD J</i>	<i>ROUTE 0279K TRAILER VILLAGE ROAD K</i>	<i>ROUTE 0279L TRAILER VILLAGE ROAD L</i>	<i>ROUTE 0279M TRAILER VILLAGE ROAD M</i>	<i>ROUTE 0279N TRAILER VILLAGE ROAD N</i>	<i>ROUTE 0279O TRAILER VILLAGE ROAD O</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	0	EACH
CURB	0	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	4	4	5	4	4	4	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0279P TRAILER VILLAGE ROAD P</i>	<i>ROUTE 0279R TRAILER VILLAGE ROAD R</i>	<i>ROUTE 0279S TRAILER VILLAGE ROAD S</i>	<i>ROUTE 0279T TRAILER VILLAGE ROAD T</i>	<i>ROUTE 0279U TRAILER VILLAGE ROAD U</i>	<i>ROUTE 0287 ROUTE 0160 ACCESS ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	2	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	4	4	4	4	4	8	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	3	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0288 CLINIC ACCESS ROAD</i>	<i>ROUTE 0403 TONTO STREET</i>	<i>ROUTE 0404 AUTO SHOP ROAD</i>	<i>ROUTE 0405 ADMIN LOOP</i>	<i>ROUTE 0408 COCONINO ROAD</i>	<i>ROUTE 0409 BOULDER STREET</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	1	0	0	0	2	EACH
CURB	401	269	0	0	280	79	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	14	8	5	18	11	9	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0411 BOULDER ALLEY</i>	<i>ROUTE 0413 APACHE STREET</i>	<i>ROUTE 0414 APACHE WEST</i>	<i>ROUTE 0415 APACHE ALLEY</i>	<i>ROUTE 0416 MUAV COURT</i>	<i>ROUTE 0417 HUALAPAI ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	1	3	0	0	1	EACH
CURB	0	2,276	195	0	1,225	0	LINEAR FEET
DROP INLET	0	2	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	15	3	9	6	10	8	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	6	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0419 KOLB CIRCLE</i>	<i>ROUTE 0420A MATHER STREET</i>	<i>ROUTE 0420B MATHER STREET</i>	<i>ROUTE 0421 POWELL AVENUE</i>	<i>ROUTE 0422 MUAVE STREET</i>	<i>ROUTE 0423 GRAND CANYON VILLAGE NEW HOUSING LOOP RO</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	2	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	4	4	5	10	8	10	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0426 MASWICK TRANSPORTATION CENTER ROAD</i>	<i>ROUTE 0427 KENNELS ROAD</i>	<i>ROUTE 0428 SHUTTLE BUS ROAD</i>	<i>ROUTE 0429 NPS OFFICES ROAD</i>	<i>ROUTE 0430 LAPP LOOP</i>	<i>ROUTE 0431 JUNIPER HILL</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	1	1	0	2	0	EACH
CURB	1,542	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	1	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	3	5	11	6	4	8	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	3	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0432 NAVAJO STREET</i>	<i>ROUTE 0433 TAPEATS STREET</i>	<i>ROUTE 0434 HERMIT CIRCLE</i>	<i>ROUTE 0435 SUNSET DRIVE</i>	<i>ROUTE 0436A BRIGHT ANGEL LOOP ROAD</i>	<i>ROUTE 0436B BRIGHT ANGEL LOOP ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	2	2	0	0	0	0	EACH
CURB	0	0	180	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	132	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	7	4	6	22	10	7	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0437 PARK CIRCLE</i>	<i>ROUTE 0438 BARRY HANCE CIRCLE</i>	<i>ROUTE 0439 PONDEROSA STREET</i>	<i>ROUTE 0440 RANDY THOMPSON CIRCLE</i>	<i>ROUTE 0441 BOB MANN STREET</i>	<i>ROUTE 0442 MORAN AVENUE</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	3	2	0	1	0	0	EACH
CURB	0	95	0	195	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	10	6	2	9	5	4	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0443 LIPAN STREET</i>	<i>ROUTE 0444 KAIBAB STREET</i>	<i>ROUTE 0445A NAVAJO RESIDENCE ROAD</i>	<i>ROUTE 0445B NAVAJO RESIDENCE ROAD</i>	<i>ROUTE 0446 WEST SHUTTLE ACCESS ROAD</i>	<i>ROUTE 0447 EAST SHUTTLE ACCESS ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	5	3	0	6	1	EACH
CURB	0	0	0	0	153	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	4	9	2	2	20	8	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0448A EMPLOYEE DINING ROOM/MULE CONCESSIONAIRE</i>	<i>ROUTE 0448B CONCESSIONAIRE RESIDENCE ROAD</i>	<i>ROUTE 0448C RV CONCESSIONAIRE RESIDENCE ROAD</i>	<i>ROUTE 0449 NORTH RIM RESIDENCE LOOP</i>	<i>ROUTE 0450 WASTEWATER PLANT/HELIPAD ROAD</i>	<i>ROUTE 0451 HAVASUPAI ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	3	EACH
CURB	502	612	0	90	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	9	5	2	10	10	8	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0461 EAST ENTRANCE RESIDENCE ROAD</i>	<i>ROUTE 0485 EMPLOYEE SERVICE ROAD</i>	<i>ROUTE 0487 EMPLOYEE ACCESS ROAD</i>	<i>ROUTE 0488 FIRE STATION ACCESS ROAD</i>	<i>ROUTE 0489 INN CABIN LOOP</i>	<i>ROUTE 0490 CAMPGROUND STORE/ CONCESSION ACCESS ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	3	0	0	0	1	EACH
CURB	0	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	0	10	3	5	5	5	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

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0500 VILLAGE LOOP DRIVE</i>	<i>ROUTE 0501 VILLAGE LOOP BYPASS</i>	<i>ROUTE 0601 ALBRIGHT AVENUE</i>	<i>UNIT</i>
BRIDGE	0	0	0	EACH
CATTLE GUARD	0	0	0	EACH
CULVERT	6	1	4	EACH
CURB	8,865	0	0	LINEAR FEET
DROP INLET	14	0	0	EACH
GUARD WALL	1,890	0	0	LINEAR FEET
GUARDRAIL	0	0	0	LINEAR FEET
INTERSECTION	29	10	17	EACH
LOW WATER CROSSING	0	0	0	EACH
OVERHEAD SIGN	0	0	0	EACH
PARK BOUNDARY	0	0	0	EACH
PAVED DITCH	0	0	0	LINEAR FEET
PULLOUT	1	0	0	EACH
RAILROAD CROSSING	5	3	0	EACH
RETAINING WALL	0	0	0	EACH
STATE BOUNDARY	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	EACH
TUNNEL	0	0	0	EACH
TURNOUT	0	0	0	LINEAR FEET

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : POINT IMPERIAL ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0013 AT MP 53 ON LEFT
0.007	0.007	INTERSECTION	RIGHT	ROUTE 0013
0.045	0.045	INTERSECTION	RIGHT	ROUTE 0013 SPUR
0.174	0.174	CULVERT	N/A	
0.253	0.253	CULVERT	N/A	
0.573	0.573	CULVERT	N/A	
0.671	0.671	CULVERT	N/A	
0.822	0.822	CULVERT	N/A	
1.051	1.051	CULVERT	N/A	
1.166	1.166	CULVERT	N/A	
1.515	1.515	CULVERT	N/A	
1.622	1.622	CULVERT	N/A	
1.966	1.975	PULLOUT	RIGHT	
2.621	2.621	INTERSECTION	LEFT	END OF LOOP
2.630	2.630			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : DESERT VIEW DRIVE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0012
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0012
0.001	0.001	INTERSECTION	LEFT	ROUTE 0012
0.013	0.013	INTERSECTION	RIGHT	ROUTE 0012 SPUR
0.018	0.018	CULVERT	N/A	
0.113	0.155	CURB	RIGHT	
0.131	0.131	INTERSECTION	RIGHT	ROUTE 0945
0.173	0.173	CULVERT	N/A	
0.563	0.563	CULVERT	N/A	
0.655	0.675	CURB	LEFT	
0.692	0.692	INTERSECTION	LEFT	ROUTE 0946
0.710	0.745	CURB	LEFT	
0.816	0.823	CURB	LEFT	
0.845	0.888	GUARD WALL	LEFT	
0.861	0.861	INTERSECTION	LEFT	ROUTE 0947
0.881	0.895	CURB	LEFT	
0.944	0.944	CULVERT	N/A	
1.035	1.035	CULVERT	N/A	
1.121	1.121	INTERSECTION	LEFT	ROUTE 0262
1.205	1.205	CULVERT	N/A	
1.244	1.244	INTERSECTION	RIGHT	
1.476	1.476	CULVERT	N/A	
1.688	1.688	CULVERT	N/A	
1.878	1.878	INTERSECTION	RIGHT	
1.904	1.904	CULVERT	N/A	
2.128	2.128	INTERSECTION	RIGHT	
2.204	2.204	INTERSECTION	RIGHT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : DESERT VIEW DRIVE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
2.260	2.260	CULVERT	N/A	
2.379	2.379	CULVERT	N/A	
2.406	2.406	INTERSECTION	LEFT	
2.623	2.623	CULVERT	N/A	
3.004	3.004	CULVERT	N/A	
3.275	3.275	CULVERT	N/A	
3.642	3.642	INTERSECTION	RIGHT	
3.663	3.663	CULVERT	N/A	
3.748	3.748	CULVERT	N/A	
3.864	3.864	INTERSECTION	LEFT	ROUTE 0950
3.911	3.911	CULVERT	N/A	
3.932	3.932	INTERSECTION	LEFT	ROUTE 0950
4.222	4.222	CULVERT	N/A	
4.349	4.349	CULVERT	N/A	
4.581	4.581	CULVERT	N/A	
4.686	4.691	CURB	LEFT	
4.708	4.740	GUARD WALL	LEFT	
4.716	4.716	INTERSECTION	LEFT	ROUTE 0951
4.728	4.757	CURB	LEFT	
4.770	4.788	CURB	LEFT	
4.799	4.820	GUARD WALL	LEFT	
4.800	4.800	INTERSECTION	LEFT	ROUTE 0952
4.805	4.838	CURB	LEFT	
4.912	4.912	CULVERT	N/A	
5.017	5.017	CULVERT	N/A	
5.245	5.245	CULVERT	N/A	
5.500	5.500	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : DESERT VIEW DRIVE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
5.623	5.623	CULVERT	N/A	
5.730	5.730	CULVERT	N/A	
5.861	5.861	INTERSECTION	RIGHT	UNPAVED ROUTE
5.948	5.948	CULVERT	N/A	
5.963	5.963	INTERSECTION	LEFT	
5.987	5.987	INTERSECTION	LEFT	ROUTE 0952
6.285	6.285	CULVERT	N/A	
6.483	6.579	CURB	LEFT	
6.518	6.518	INTERSECTION	LEFT	ROUTE 0953
6.713	6.713	CULVERT	N/A	
7.057	7.057	CULVERT	N/A	
7.304	7.304	CULVERT	N/A	
7.358	7.358	CULVERT	N/A	
7.939	7.939	CULVERT	N/A	
8.240	8.240	CULVERT	N/A	
8.404	8.404	CULVERT	N/A	
8.474	8.474	CULVERT	N/A	
8.668	8.668	CULVERT	N/A	
8.699	8.699	INTERSECTION	LEFT	ROUTE 0264
8.714	8.714	CULVERT	N/A	
8.877	8.877	CULVERT	N/A	
9.167	9.167	INTERSECTION	LEFT	
9.186	9.186	INTERSECTION	LEFT	
9.238	9.238	INTERSECTION	RIGHT	ROUTE 0166
9.378	9.378	CULVERT	N/A	
9.563	9.563	CULVERT	N/A	
9.658	9.658	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : DESERT VIEW DRIVE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
10.196	10.196	CULVERT	N/A	
10.594	10.594	CULVERT	N/A	
10.714	10.714	INTERSECTION	RIGHT	ARIZONA TRAIL
11.230	11.230	CULVERT	N/A	
11.246	11.433	CURB	RIGHT	
11.761	11.894	CURB	LEFT	
11.981	11.981	INTERSECTION	LEFT	ROUTE 0954
12.128	12.199	CURB	RIGHT	
12.386	12.386	CULVERT	N/A	
12.498	12.498	CULVERT	N/A	
12.714	12.714	CULVERT	N/A	
12.792	12.792	CULVERT	N/A	
12.849	12.849	CULVERT	N/A	
12.858	12.915	CURB	LEFT	
12.984	12.984	INTERSECTION	RIGHT	
13.426	13.426	CULVERT	N/A	
13.558	13.558	CULVERT	N/A	
13.858	13.858	CULVERT	N/A	
14.095	14.095	CULVERT	N/A	
14.274	14.274	CULVERT	N/A	
14.596	14.596	INTERSECTION	LEFT	ROUTE 0265
14.716	14.716	CULVERT	N/A	
14.862	14.862	CULVERT	N/A	
15.116	15.116	CULVERT	N/A	
15.255	15.255	CULVERT	N/A	
15.396	15.396	CULVERT	N/A	
15.595	15.595	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : DESERT VIEW DRIVE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
15.624	15.624	CULVERT	N/A	
15.791	15.791	CULVERT	N/A	
16.078	16.078	CULVERT	N/A	
16.151	16.151	CULVERT	N/A	
16.370	16.370	CULVERT	N/A	
16.461	16.461	CULVERT	N/A	
16.618	16.618	CULVERT	N/A	
16.751	16.751	CULVERT	N/A	
17.374	17.374	CULVERT	N/A	
17.594	17.594	CULVERT	N/A	
17.664	17.664	INTERSECTION	RIGHT	
17.677	17.677	CULVERT	N/A	
17.745	17.745	CULVERT	N/A	
17.827	17.856	CURB	LEFT	
17.834	17.834	CULVERT	N/A	
17.839	17.839	DROP INLET	LEFT	
17.856	17.941	GUARDRAIL	RIGHT	
17.924	17.924	CULVERT	N/A	
18.168	18.168	CULVERT	N/A	
18.299	18.299	CULVERT	N/A	
18.368	18.368	INTERSECTION	RIGHT	ROUTE 0266
18.422	18.542	CURB	RIGHT	
18.471	18.471	CULVERT	N/A	
18.600	18.600	CULVERT	N/A	
18.679	18.679	INTERSECTION	RIGHT	ROUTE 0266
18.725	18.725	CULVERT	N/A	
18.865	18.865	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
18.997	18.997	CULVERT	N/A	
19.158	19.158	CULVERT	N/A	
19.386	19.386	INTERSECTION	LEFT	ROUTE 0955
19.442	19.442	INTERSECTION	LEFT	ROUTE 0955
19.641	19.641	CULVERT	N/A	
19.656	19.656	INTERSECTION	LEFT	ROUTE 0267
19.696	19.756	CURB	RIGHT	
19.718	19.718	CULVERT	N/A	
19.749	19.818	CURB	LEFT	
19.997	19.997	CULVERT	N/A	
20.190	20.190	CULVERT	N/A	
20.450	20.521	CURB	LEFT	
20.453	20.453	DROP INLET	RIGHT	
20.456	20.521	CURB	RIGHT	
20.473	20.473	CULVERT	N/A	
20.684	20.753	GUARDRAIL	LEFT	
20.717	20.717	CULVERT	N/A	
20.808	20.808	INTERSECTION	LEFT	ROUTE 0956
21.007	21.041	CURB	LEFT	
21.063	21.094	CURB	RIGHT	
21.098	21.156	GUARDRAIL	LEFT	
21.297	21.297	INTERSECTION	RIGHT	
21.618	21.618	INTERSECTION	LEFT	ROUTE 0957
21.623	21.623	INTERSECTION	RIGHT	
21.670	21.670	INTERSECTION	RIGHT	
21.711	21.711	INTERSECTION	LEFT	ROUTE 0957
21.716	21.716	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
21.736	21.736	INTERSECTION	RIGHT	
21.748	21.748	INTERSECTION	LEFT	ROUTE 0270
21.776	21.776	INTERSECTION	LEFT	ROUTE 0958
21.786	21.786	INTERSECTION	LEFT	ROUTE 0958
21.816	21.816	INTERSECTION	LEFT	ROUTE 0461
21.906	21.906	INTERSECTION	RIGHT	
21.914	21.914	INTERSECTION	LEFT	
21.949	21.954	GUARDRAIL	LEFT	
21.958	21.967	GUARDRAIL	LEFT	
22.024	22.024	INTERSECTION	RIGHT	
22.060	22.060	INTERSECTION	RIGHT	
22.128	22.164	CURB	LEFT	
22.153	22.153	CULVERT	N/A	
22.175	22.175	INTERSECTION	LEFT	
22.189	22.221	CURB	LEFT	
22.229	22.229	INTERSECTION	LEFT	
22.240	22.240	INTERSECTION	LEFT	
22.463	22.463	CULVERT	N/A	
22.647	22.647	INTERSECTION	RIGHT	
22.697	22.697	CULVERT	N/A	
24.141	24.141	CULVERT	N/A	
24.334	24.334	CULVERT	N/A	
24.373	24.454	CURB	LEFT	
24.424	24.424	CULVERT	N/A	
24.524	24.524	CULVERT	N/A	
24.551	24.617	CURB	LEFT	
24.599	24.599	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : DESERT VIEW DRIVE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
24.859	24.859	CULVERT	N/A	
25.026	25.026	INTERSECTION	LEFT	
25.120	25.120			ROUTE ENDS AT EAST PARK BOUNDARY

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : SOUTH ENTRANCE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT SOUTH PARK BOUNDARY
0.266	0.266	INTERSECTION	RIGHT	ROUTE 0900
0.331	0.331	CULVERT	N/A	
0.340	0.340	INTERSECTION	RIGHT	ROUTE 0900
0.427	0.447	CURB	LEFT	
0.429	0.429	INTERSECTION	LEFT	1 WAY CONNECTOR ROAD WITH RTE 012
0.451	0.451	INTERSECTION	LEFT	
0.455	0.464	CURB	RIGHT	
0.491	0.491	DROP INLET	RIGHT	
0.492	0.524	CURB	LEFT	
0.545	0.545	CULVERT	N/A	
0.564	0.564	INTERSECTION	LEFT	CUT OVER TO 1-WAY ROUTE 012
0.571	0.601	CURB	LEFT	
0.606	0.606	INTERSECTION	LEFT	MERGE WITH 1-WAY ROUTE 012
0.691	0.691	CULVERT	N/A	
0.972	0.972	CULVERT	N/A	
1.078	1.078	CULVERT	N/A	
1.230	1.230	CULVERT	N/A	
1.353	1.353	CULVERT	N/A	
1.542	1.542	CULVERT	N/A	
1.596	1.596	INTERSECTION	RIGHT	DIRT ROAD
1.684	1.684	CULVERT	N/A	
1.779	1.779	CULVERT	N/A	
1.820	1.820	INTERSECTION	LEFT	VANN AVE
1.941	1.941	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : SOUTH ENTRANCE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
2.184	2.184	CULVERT	N/A	
2.555	2.555	CULVERT	N/A	
2.649	2.649	CULVERT	N/A	
3.095	3.095	CULVERT	N/A	
3.148	3.253	CURB	LEFT	
3.251	3.251	INTERSECTION	LEFT	ROUTE 0016
3.258	3.258	INTERSECTION	RIGHT	ALBRIGHT TC CLINIC
3.272	3.304	CURB	LEFT	
3.359	3.359	CULVERT	N/A	
3.453	3.453	CULVERT	N/A	
4.078	4.078	CULVERT	N/A	
4.477	4.573	CURB	LEFT	
4.493	4.493	CULVERT	N/A	
4.571	4.571	INTERSECTION	LEFT	ROUTE 0011
4.573	4.579	CURB	RIGHT	
4.576	4.576	INTERSECTION	RIGHT	ROUTE 0011
4.581	4.590	CURB	RIGHT	
4.583	4.704	CURB	LEFT	
4.597	4.597	INTERSECTION	RIGHT	ROUTE 0011
4.685	4.685	CULVERT	N/A	
4.815	4.815	INTERSECTION	RIGHT	UNPAVED GATED ROAD
4.856	4.856	CULVERT	N/A	
4.949	4.949	INTERSECTION	LEFT	ROUTE 0447
5.202	5.202	INTERSECTION	RIGHT	ROUTE 0902
5.330	5.396	CURB	RIGHT	
5.370	5.370	INTERSECTION	RIGHT	ROUTE 0902
5.755	5.859	CURB	LEFT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : SOUTH ENTRANCE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
5.859	5.859	INTERSECTION	RIGHT	ROUTE 0203
5.862	5.862	INTERSECTION	LEFT	ROUTE 0203
5.865	5.877	CURB	RIGHT	
5.865	5.994	CURB	LEFT	
6.321	6.321	CULVERT	N/A	
6.343	6.343	INTERSECTION	LEFT	OLD GAS STATION PARKING (CONCESSION)
6.373	6.373	INTERSECTION	LEFT	OLD GAS STATION PARKING (CONCESSION)
6.396	6.429	CURB	LEFT	
6.430	6.430	CULVERT	N/A	
6.434	6.434	INTERSECTION	RIGHT	ROUTE 0903
6.437	6.437	INTERSECTION	LEFT	ROUTE 0446
6.456	6.468	CURB	LEFT	
6.468	6.586	CURB	LEFT	
6.508	6.508	CULVERT	N/A	
6.513	6.513	CULVERT	N/A	
6.514	6.514	CULVERT	N/A	
6.584	6.584	CULVERT	N/A	
6.584	6.584	INTERSECTION	LEFT	ROUTE 0170
6.591	6.591	INTERSECTION	RIGHT	ROUTE 0903
6.600	6.655	CURB	RIGHT	
6.604	6.655	CURB	LEFT	
6.659	6.659	INTERSECTION	RIGHT	ROUTE 0903
6.784	6.784	CULVERT	N/A	
6.909	6.909	CULVERT	N/A	
7.027	7.027	CULVERT	N/A	
7.169	7.169	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : SOUTH ENTRANCE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
7.269	7.269	INTERSECTION	LEFT	ROUTE 0979
7.287	7.297	CURB	LEFT	
7.296	7.296	INTERSECTION	LEFT	ROUTE 0979
7.320	7.339	CURB	LEFT	
7.321	7.321	CULVERT	N/A	
7.340	7.340	INTERSECTION	RIGHT	
7.343	7.343	INTERSECTION	LEFT	ROUTE 0500
7.348	7.361	CURB	RIGHT	
7.360	7.360			ROUTE ENDS AT ROUTE 0500
7.362	7.393	CURB	LEFT	
7.364	7.364	INTERSECTION	RIGHT	ROUTE 0500
7.372	7.372	DROP INLET	LEFT	
7.379	7.379	DROP INLET	LEFT	
7.382	7.408	CURB	RIGHT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : CAPE ROYAL ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0014 AT MP 98 ON LEFT
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0014
0.001	0.001	INTERSECTION	LEFT	ROUTE 0014
0.006	0.006	CULVERT	N/A	
0.083	0.083	CULVERT	N/A	
0.227	0.227	CULVERT	N/A	
0.350	0.350	CULVERT	N/A	
0.529	0.529	CULVERT	N/A	
0.699	0.699	CULVERT	N/A	
0.879	0.879	CULVERT	N/A	
0.929	0.929	CULVERT	N/A	
1.102	1.102	CULVERT	N/A	
1.156	1.156	CULVERT	N/A	
1.286	1.286	CULVERT	N/A	
1.456	1.456	CULVERT	N/A	
1.494	1.529	CURB	RIGHT	
1.501	1.501	INTERSECTION	RIGHT	ROUTE 0982
1.611	1.611	CULVERT	N/A	
1.712	1.712	CULVERT	N/A	
1.780	1.780	CULVERT	N/A	
1.883	1.883	CULVERT	N/A	
1.940	1.940	CULVERT	N/A	
2.289	2.289	CULVERT	N/A	
2.485	2.485	CULVERT	N/A	
2.541	2.541	CULVERT	N/A	
2.664	2.664	CULVERT	N/A	
2.821	2.821	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : CAPE ROYAL ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
3.066	3.066	CULVERT	N/A	
3.103	3.103	CULVERT	N/A	
3.237	3.237	CULVERT	N/A	
3.343	3.343	CULVERT	N/A	
3.485	3.485	CULVERT	N/A	
3.766	3.809	CURB	RIGHT	
3.768	3.768	INTERSECTION	RIGHT	ROUTE 0966
3.803	3.803	INTERSECTION	RIGHT	ROUTE 0966
4.103	4.103	CULVERT	N/A	
4.409	4.409	CULVERT	N/A	
4.590	4.590	CULVERT	N/A	
4.979	5.054	GUARDRAIL	RIGHT	
5.082	5.082	CULVERT	N/A	
5.139	5.169	PULLOUT	RIGHT	
5.141	5.167	CURB	RIGHT	
5.189	5.189	CULVERT	N/A	
5.390	5.390	CULVERT	N/A	
5.405	5.405	INTERSECTION	LEFT	ROUTE 0010
5.420	5.420	CULVERT	N/A	
5.527	5.545	PULLOUT	RIGHT	
5.544	5.664	CURB	RIGHT	
5.553	5.553	CULVERT	N/A	
5.648	5.648	CULVERT	N/A	
5.937	5.937	CULVERT	N/A	
5.996	5.996	CULVERT	N/A	
6.465	6.465	CULVERT	N/A	
6.560	6.560	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : CAPE ROYAL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
6.944	6.944	INTERSECTION	LEFT	UNPAVED ROUTE
7.076	7.076	CULVERT	N/A	
7.099	7.099	CULVERT	N/A	
7.244	7.244	CULVERT	N/A	
7.353	7.353	CULVERT	N/A	
7.508	7.508	CULVERT	N/A	
7.563	7.563	CULVERT	N/A	
7.686	7.686	CULVERT	N/A	
7.777	7.777	CULVERT	N/A	
7.850	7.850	CULVERT	N/A	
7.920	7.920	CULVERT	N/A	
7.987	8.011	CURB	RIGHT	
7.999	7.999	INTERSECTION	RIGHT	ROUTE 0978
8.015	8.015	CULVERT	N/A	
8.149	8.149	CULVERT	N/A	
8.349	8.349	CULVERT	N/A	
8.636	8.636	CULVERT	N/A	
8.806	8.806	CULVERT	N/A	
8.943	8.943	CULVERT	N/A	
9.372	9.372	CULVERT	N/A	
9.472	9.472	CULVERT	N/A	
9.599	9.599	INTERSECTION	RIGHT	
10.007	10.007	INTERSECTION	LEFT	ROUTE 0968
10.580	10.580	CULVERT	N/A	
10.601	10.601	CULVERT	N/A	
11.559	11.559	CULVERT	N/A	
11.694	11.694	INTERSECTION	LEFT	ROUTE 0969

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : CAPE ROYAL ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
11.728	11.728	INTERSECTION	LEFT	ROUTE 0969
11.847	11.847	CULVERT	N/A	
12.901	12.901	CULVERT	N/A	
13.029	13.029	CULVERT	N/A	
13.836	13.866	CURB	RIGHT	
13.850	13.850	INTERSECTION	RIGHT	ROUTE 0977
14.329	14.329	CULVERT	N/A	
14.572	14.572	CULVERT	N/A	
15.198	15.198	CULVERT	N/A	
15.360	15.360	CULVERT	N/A	
15.492	15.492	CULVERT	N/A	
15.543	15.543	CULVERT	N/A	
15.695	15.695	CULVERT	N/A	
15.710	15.710	CULVERT	N/A	
16.216	16.231	PULLOUT	RIGHT	
16.387	16.387	CULVERT	N/A	
16.558	16.558	CULVERT	N/A	
16.613	16.613	CULVERT	N/A	
16.752	16.752	CULVERT	N/A	
16.799	16.799	CULVERT	N/A	
16.999	16.999	CULVERT	N/A	
17.111	17.111	CULVERT	N/A	
17.176	17.176	CULVERT	N/A	
17.204	17.204	INTERSECTION	LEFT	UNPAVED PARKING FOR CAPE FINAL TRAIL
17.328	17.328	CULVERT	N/A	
17.478	17.478	CULVERT	N/A	
17.607	17.607	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : CAPE ROYAL ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
17.722	17.722	CULVERT	N/A	
17.818	17.818	CULVERT	N/A	
18.178	18.178	INTERSECTION	LEFT	ROUTE 0970
18.198	18.198	INTERSECTION	RIGHT	
18.293	18.293	INTERSECTION	LEFT	ROUTE 0970
18.628	18.628	CULVERT	N/A	
18.714	18.714	CULVERT	N/A	
18.810	18.810	CULVERT	N/A	
18.900	18.900	CULVERT	N/A	
18.989	18.989	CULVERT	N/A	
19.000	19.000	CULVERT	N/A	
19.049	19.082	PULLOUT	LEFT	
19.056	19.075	CURB	LEFT	
19.068	19.068	CULVERT	N/A	
19.085	19.085	CULVERT	N/A	
19.245	19.245	CULVERT	N/A	
19.390	19.463	GUARDRAIL	LEFT	
19.421	19.421	CULVERT	N/A	
19.483	19.524	GUARDRAIL	LEFT	
19.610	19.610			ROUTE ENDS AT CAPE ROYAL PARKING
19.615	19.615	INTERSECTION	LEFT	CAPE ROYAL PARKING

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : NORTH ENTRANCE ROAD (HWY 67)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT NORTH PARK BOUNDARY
0.152	0.152	CATTLE GUARD	N/A	
0.156	0.156	INTERSECTION	LEFT	ROUTE 0960
0.180	0.194	CURB	LEFT	
0.197	0.212	CURB	LEFT	
0.214	0.214	INTERSECTION	LEFT	ROUTE 0960
0.484	0.484	CULVERT	N/A	
0.659	0.659	INTERSECTION	RIGHT	
0.723	0.723	CULVERT	N/A	
0.934	0.981	PULLOUT	RIGHT	
0.937	0.985	CURB	RIGHT	
0.997	1.040	PULLOUT	LEFT	
0.998	0.998	CULVERT	N/A	
1.004	1.043	CURB	LEFT	
1.075	1.075	CULVERT	N/A	
1.174	1.174	CULVERT	N/A	
1.299	1.299	CULVERT	N/A	
1.500	1.500	CULVERT	N/A	
1.679	1.679	CULVERT	N/A	
1.685	1.685	CULVERT	N/A	
1.817	1.817	CULVERT	N/A	
1.964	1.964	CULVERT	N/A	
2.152	2.152	CULVERT	N/A	
2.321	2.321	CULVERT	N/A	
2.425	2.425	CULVERT	N/A	
2.560	2.560	CULVERT	N/A	
2.688	2.688	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : NORTH ENTRANCE ROAD (HWY 67)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
2.851	2.969	CURB	RIGHT	
2.862	2.862	CULVERT	N/A	
2.985	2.985	CULVERT	N/A	
3.075	3.075	CULVERT	N/A	
3.154	3.217	CURB	RIGHT	
3.160	3.160	DROP INLET	RIGHT	
3.256	3.256	CULVERT	N/A	
3.316	3.387	GUARDRAIL	RIGHT	
3.468	3.468	CULVERT	N/A	
3.610	3.610	CULVERT	N/A	
3.992	3.992	INTERSECTION	LEFT	ROUTE 0961
4.004	4.026	CURB	LEFT	
4.035	4.035	INTERSECTION	LEFT	ROUTE 0961
4.081	4.081	INTERSECTION	LEFT	ROUTE 0407
4.162	4.162	INTERSECTION	RIGHT	
4.328	4.328	CULVERT	N/A	
4.424	4.424	CULVERT	N/A	
4.563	4.563	CULVERT	N/A	
4.695	4.695	CULVERT	N/A	
4.836	4.836	CULVERT	N/A	
4.981	4.981	CULVERT	N/A	
5.055	5.055	CULVERT	N/A	
5.366	5.366	CULVERT	N/A	
5.593	5.593	CULVERT	N/A	
5.714	5.714	CULVERT	N/A	
5.814	5.814	CULVERT	N/A	
5.927	5.927	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : NORTH ENTRANCE ROAD (HWY 67)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
5.983	5.983	CULVERT	N/A	
6.048	6.048	CULVERT	N/A	
6.197	6.197	CULVERT	N/A	
6.415	6.415	CULVERT	N/A	
6.466	6.466	CULVERT	N/A	
6.548	6.548	CULVERT	N/A	
6.565	6.565	CULVERT	N/A	
6.666	6.666	CULVERT	N/A	
6.692	6.723	PULLOUT	LEFT	
6.823	6.823	CULVERT	N/A	
6.951	6.951	CULVERT	N/A	
7.312	7.312	CULVERT	N/A	
7.462	7.462	CULVERT	N/A	
7.511	7.598	CURB	RIGHT	
7.518	7.518	CULVERT	N/A	
7.523	7.523	DROP INLET	RIGHT	
7.600	7.600	CULVERT	N/A	
7.743	7.743	CULVERT	N/A	
7.894	7.894	CULVERT	N/A	
8.012	8.012	CULVERT	N/A	
8.103	8.103	CULVERT	N/A	
8.189	8.189	CULVERT	N/A	
8.263	8.263	CULVERT	N/A	
8.341	8.341	CULVERT	N/A	
8.402	8.402	CULVERT	N/A	
8.488	8.488	CULVERT	N/A	
8.618	8.618	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : NORTH ENTRANCE ROAD (HWY 67)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
8.765	8.765	CULVERT	N/A	
8.867	8.867	CULVERT	N/A	
9.043	9.043	CULVERT	N/A	
9.142	9.142	CULVERT	N/A	
9.379	9.379	CULVERT	N/A	
9.457	9.457	CULVERT	N/A	
9.550	9.550	CULVERT	N/A	
9.736	9.736	INTERSECTION	LEFT	ROUTE 0013
9.927	9.927	CULVERT	N/A	
10.006	10.006	INTERSECTION	RIGHT	ROUTE 0962
10.018	10.018	CULVERT	N/A	
10.085	10.085	CULVERT	N/A	
10.221	10.316	GUARDRAIL	RIGHT	
10.382	10.382	CULVERT	N/A	
10.536	10.536	CULVERT	N/A	
10.600	10.637	CURB	RIGHT	
10.601	10.601	CULVERT	N/A	
10.628	10.628	DROP INLET	RIGHT	
10.640	10.640	INTERSECTION	LEFT	ROUTE 0963
10.654	10.758	CURB	RIGHT	
10.752	10.812	GUARDRAIL	RIGHT	
10.784	10.784	CULVERT	N/A	
10.836	10.976	GUARDRAIL	RIGHT	
10.902	10.902	CULVERT	N/A	
10.984	10.984	CULVERT	N/A	
11.421	11.421	INTERSECTION	LEFT	UNPAVED SERVICE ROAD
11.424	11.424	INTERSECTION	RIGHT	ROUTE 0405

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : NORTH ENTRANCE ROAD (HWY 67)

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
11.495	11.495	INTERSECTION	LEFT	
11.594	11.594	INTERSECTION	RIGHT	ROUTE 0201
11.766	11.766	INTERSECTION	LEFT	ROUTE 0964
11.825	11.825	INTERSECTION	LEFT	ROUTE 0964
11.851	11.851	INTERSECTION	RIGHT	ROUTE 0404
12.063	12.063	CULVERT	N/A	
12.112	12.112	INTERSECTION	LEFT	
12.168	12.305	CURB	RIGHT	
12.205	12.205	CULVERT	N/A	
12.360	12.360	INTERSECTION	RIGHT	UNPAVED SERVICE ROAD
12.438	12.438	CULVERT	N/A	
12.547	12.547	INTERSECTION	LEFT	ROUTE 0965
12.623	12.623	INTERSECTION	RIGHT	UNPAVED ROUTE
12.624	12.624	INTERSECTION	LEFT	ROUTE 0965
12.681	12.681	INTERSECTION	LEFT	ROUTE 0974
12.690	12.690			ROUTE ENDS AT ROUTE 0974
12.690	12.690	INTERSECTION	RIGHT	ROUTE 0974

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015 : HERMIT REST ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0500 AT MP 05 ON RIGHT
0.008	0.008	INTERSECTION	LEFT	ROUTE 0500
0.016	0.039	CURB	LEFT	
0.020	0.035	CURB	RIGHT	
0.033	0.043	GUARD WALL	RIGHT	
0.039	0.039	INTERSECTION	LEFT	BUS TURNAROUND
0.039	0.061	CURB	RIGHT	
0.123	0.123	INTERSECTION	LEFT	ROUTE 0160
0.161	0.161	CULVERT	N/A	
0.267	0.267	CULVERT	N/A	
0.358	0.358	CULVERT	N/A	
0.610	0.610	CULVERT	N/A	
0.716	0.716	CULVERT	N/A	
1.079	1.129	PULLOUT	RIGHT	
1.082	1.124	GUARD WALL	RIGHT	
1.386	1.386	CULVERT	N/A	
1.415	1.415	CULVERT	N/A	
1.423	1.477	GUARD WALL	RIGHT	
1.425	1.425	INTERSECTION	RIGHT	ROUTE 0911
1.466	1.466	INTERSECTION	RIGHT	ROUTE 0912
1.683	1.683	INTERSECTION	RIGHT	ROUTE 0913
1.765	1.765	INTERSECTION	RIGHT	ROUTE 0913
1.924	1.924	CULVERT	N/A	
2.043	2.043	INTERSECTION	RIGHT	GATED ROAD
2.183	2.183	INTERSECTION	RIGHT	ROUTE 0169
2.198	2.198	INTERSECTION	LEFT	UNPAVED ROUTE
2.289	2.289	INTERSECTION	RIGHT	ROUTE 0169

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015 : HERMIT REST ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
2.337	2.337	INTERSECTION	RIGHT	ROUTE 0915
2.362	2.362	INTERSECTION	RIGHT	ROUTE 0915
2.389	2.389	INTERSECTION	RIGHT	ROUTE 0916
2.416	2.416	INTERSECTION	RIGHT	ROUTE 0916
2.538	2.575	GUARD WALL	RIGHT	
2.544	2.569	PULLOUT	RIGHT	
2.814	2.843	PULLOUT	RIGHT	
2.820	2.848	GUARD WALL	RIGHT	
3.054	3.054	INTERSECTION	RIGHT	ROUTE 0168
3.195	3.195	INTERSECTION	RIGHT	ROUTE 0168
3.268	3.281	PULLOUT	RIGHT	
3.268	3.286	GUARD WALL	RIGHT	
3.584	3.584	CULVERT	N/A	
3.596	3.637	GUARD WALL	RIGHT	
3.601	3.632	PULLOUT	RIGHT	
3.796	3.796	CULVERT	N/A	
3.854	3.889	GUARD WALL	RIGHT	
3.861	3.886	PULLOUT	RIGHT	
4.072	4.121	GUARD WALL	RIGHT	
4.092	4.092	INTERSECTION	LEFT	UNPAVED ROUTE
4.096	4.096	INTERSECTION	RIGHT	ROUTE 0918
4.468	4.502	GUARD WALL	RIGHT	
4.474	4.499	PULLOUT	RIGHT	
4.726	4.776	GUARD WALL	RIGHT	
4.733	4.772	PULLOUT	RIGHT	
4.816	4.816	INTERSECTION	LEFT	UNPAVED ROUTE
4.968	5.019	GUARD WALL	RIGHT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015 : HERMIT REST ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
4.976	5.014	PULLOUT	RIGHT	
5.354	5.354	CULVERT	N/A	
5.923	5.923	CULVERT	N/A	
6.055	6.055	CULVERT	N/A	
6.138	6.138	CULVERT	N/A	
6.141	6.182	GUARD WALL	RIGHT	
6.143	6.177	PULLOUT	RIGHT	
6.199	6.199	INTERSECTION	RIGHT	ROUTE 0167
6.229	6.229	INTERSECTION	RIGHT	ROUTE 0167
6.299	6.299	CULVERT	N/A	
6.951	6.972	GUARD WALL	RIGHT	
6.954	6.988	GUARD WALL	LEFT	
6.955	6.955	CULVERT	N/A	
6.966	6.966	INTERSECTION	LEFT	ROUTE 0920
6.980	6.980			ROUTE ENDS AT ROUTE 0920

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0016 : CENTER ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0012 AT MP 334 ON RIGHT
0.001	0.001	INTERSECTION	LEFT	ROUTE 0012
0.004	0.004	INTERSECTION	RIGHT	ROUTE 0016
0.168	0.168	INTERSECTION	LEFT	ROUTE 0428
0.175	0.175	CULVERT	N/A	
0.205	0.205	CULVERT	N/A	
0.223	0.223	CULVERT	N/A	
0.266	0.266	INTERSECTION	LEFT	
0.401	0.401	CULVERT	N/A	
0.431	0.431	INTERSECTION	RIGHT	ROUTE 0017
0.603	0.603	CULVERT	N/A	
0.616	0.616	INTERSECTION	RIGHT	ROUTE 0288
0.618	0.618	INTERSECTION	LEFT	UNPAVED ROUTE
0.713	0.713	CULVERT	N/A	
0.947	0.947	CULVERT	N/A	
1.048	1.048	INTERSECTION	LEFT	ROUTE 0430
1.081	1.081	INTERSECTION	LEFT	ROUTE 0430
1.083	1.083	INTERSECTION	RIGHT	ROUTE 0437
1.131	1.131	INTERSECTION	LEFT	ROUTE 0601
1.147	1.147	CULVERT	N/A	
1.163	1.163	CULVERT	N/A	
1.240	1.240	CULVERT	N/A	
1.318	1.318	CULVERT	N/A	
1.392	1.392	CULVERT	N/A	
1.414	1.426	CURB	LEFT	
1.418	1.418	INTERSECTION	LEFT	ROUTE 0935
1.435	1.435	INTERSECTION	LEFT	ROUTE 0935

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0016 : CENTER ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
1.453	1.453	INTERSECTION	LEFT	ROUTE 0409
1.517	1.517	INTERSECTION	LEFT	ROUTE 0413
1.521	1.521	INTERSECTION	RIGHT	ROUTE 0403
1.522	1.572	CURB	LEFT	
1.529	1.566	PULLOUT	RIGHT	
1.529	1.598	CURB	RIGHT	
1.534	1.561	PULLOUT	LEFT	
1.569	1.569	CULVERT	N/A	
1.578	1.578	INTERSECTION	LEFT	ROUTE 0924
1.583	1.583	CULVERT	N/A	
1.591	1.591	INTERSECTION	LEFT	ROUTE 0924
1.598	1.598	INTERSECTION	LEFT	ROUTE 0500
1.603	1.603	INTERSECTION	RIGHT	ROUTE 0500
1.610	1.610			ROUTE ENDS AT ROUTE 0500

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0017 : MARKET PLAZA ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0016
0.000	0.000	INTERSECTION	LEFT	ROUTE 0016
0.003	0.003	INTERSECTION	RIGHT	ROUTE 0016
0.026	0.026	CULVERT	N/A	
0.145	0.145	CULVERT	N/A	
0.253	0.253	CULVERT	N/A	
0.367	0.367	CULVERT	N/A	
0.433	0.433	CULVERT	N/A	
0.623	0.623	CULVERT	N/A	
0.726	0.726	CULVERT	N/A	
0.812	0.812	INTERSECTION	LEFT	ROUTE 0170
0.837	0.837	CULVERT	N/A	
0.872	0.872	CULVERT	N/A	
0.875	0.875	INTERSECTION	RIGHT	ROUTE 0271
0.961	0.961	CULVERT	N/A	
0.985	0.985	INTERSECTION	RIGHT	ROUTE 0277A
0.998	1.054	CURB	RIGHT	
1.026	1.026	CULVERT	N/A	
1.028	1.036	CURB	LEFT	
1.029	1.029	INTERSECTION	LEFT	ROUTE 0940
1.043	1.049	CURB	LEFT	
1.046	1.046	INTERSECTION	LEFT	ROUTE 0940
1.050	1.050			ROUTE ENDS AT ROUTE 0940
1.056	1.059	CURB	LEFT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0160 : ROWE WELL ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0015 AT MP 015 ON LEFT
0.002	0.002	INTERSECTION	LEFT	ROUTE 0015
0.009	0.009	INTERSECTION	RIGHT	ROUTE 0015
0.036	0.036	CULVERT	N/A	
0.082	0.082	INTERSECTION	LEFT	UNPAVED ROUTE
0.101	0.101	CULVERT	N/A	
0.224	0.224	INTERSECTION	LEFT	ROUTE 0287
0.235	0.235	CULVERT	N/A	
0.391	0.391	CULVERT	N/A	
0.467	0.467	CULVERT	N/A	
0.483	0.483	INTERSECTION	LEFT	ROUTE 0427
0.565	0.565	CULVERT	N/A	
0.570	0.570			ROUTE ENDS AT PARK BOUNDARY
0.570	0.570	INTERSECTION	RIGHT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0167 : PRIMA POINT ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0015 AT MP 621 ON RIGHT
0.001	0.001	INTERSECTION	LEFT	ROUTE 0015
0.007	0.007	INTERSECTION	RIGHT	ROUTE 0015
0.028	0.028	INTERSECTION	LEFT	ROUTE 0015 SPUR
0.105	0.105	INTERSECTION	LEFT	ROUTE 0167, END OF LOOP
0.275	0.275	INTERSECTION	RIGHT	ROUTE 0919
0.354	0.354	CULVERT	N/A	
0.479	0.479	INTERSECTION	LEFT	ROUTE 0167
0.480	0.480			ROUTE ENDS AT END

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0168 : MOJAVE POINT ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0015 AT MP 306
0.001	0.001	INTERSECTION	LEFT	ROUTE 0015
0.009	0.009	INTERSECTION	RIGHT	ROUTE 0015
0.105	0.154	PULLOUT	RIGHT	
0.106	0.153	GUARD WALL	RIGHT	
0.206	0.206	CULVERT	N/A	
0.236	0.236	INTERSECTION	LEFT	ROUTE 0015
0.240	0.240			ROUTE ENDS AT ROUTE 0015 AT MP 319

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0169 : POWELL MEMORIAL ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0015 AT MP 2188
0.002	0.002	INTERSECTION	LEFT	ROUTE 0015
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0015
0.073	0.113	GUARD WALL	RIGHT	
0.079	0.127	PULLOUT	RIGHT	
0.113	0.133	GUARD WALL	LEFT	
0.213	0.213	INTERSECTION	LEFT	ROUTE 0015
0.230	0.230			ROUTE ENDS AT ROUTE 0015 AT MP 2286

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0170 : ZUNI WAY

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0012
0.007	0.027	CURB	RIGHT	
0.008	0.017	CURB	LEFT	
0.009	0.009	INTERSECTION	LEFT	ROUTE 0012
0.010	0.010	INTERSECTION	RIGHT	ROUTE 0012
0.100	0.100	CULVERT	N/A	
0.151	0.151	INTERSECTION	LEFT	ROUTE 0017
0.157	0.157	INTERSECTION	RIGHT	ROUTE 0017
0.160	0.160			ROUTE ENDS AT ROUTE 0017

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0201 : NORTH RIM CAMPGROUND ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0014 AT MP 1165 ON RIGHT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0014
0.001	0.001	INTERSECTION	LEFT	ROUTE 0014
0.045	0.045	INTERSECTION	RIGHT	ROUTE 0971
0.057	0.069	CURB	RIGHT	
0.071	0.071	INTERSECTION	RIGHT	ROUTE 0971
0.153	0.153	INTERSECTION	RIGHT	ROUTE 0672
0.173	0.173	INTERSECTION	LEFT	ROUTE 0997
0.246	0.246	INTERSECTION	LEFT	ROUTE 0273A
0.260	0.260			ROUTE ENDS AT ROUTE 0273 AND ROUTE 0489
0.260	0.260	INTERSECTION	RIGHT	ROUTE 0489

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0202 : GRAND CANYON RECREATION CENTER

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0601
0.008	0.008	INTERSECTION	LEFT	ROUTE 0601
0.015	0.015	CULVERT	N/A	
0.036	0.036	INTERSECTION	RIGHT	ROUTE 0601
0.082	0.082	INTERSECTION	RIGHT	END OF ROUTE
0.085	0.085	INTERSECTION	LEFT	END OF ROUTE
0.090	0.090			ROUTE ENDS AT END OF ROUTE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0203 : YAVAPAI POINT ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0012
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0012
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0012 SPUR
0.003	0.003	INTERSECTION	LEFT	
0.014	0.115	CURB	LEFT	
0.018	0.131	CURB	RIGHT	
0.119	0.119	INTERSECTION	LEFT	ROUTE 0984
0.124	0.124	CULVERT	N/A	
0.131	0.131	INTERSECTION	LEFT	END OF LOOP
0.135	0.135	INTERSECTION	RIGHT	ROUTE 0984
0.140	0.140			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0204 : NPS ACADEMY LOOP ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0601
0.001	0.001	INTERSECTION	LEFT	ROUTE 0601
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0601
0.020	0.049	CURB	LEFT	
0.051	0.051	INTERSECTION	LEFT	
0.086	0.086	INTERSECTION	LEFT	ROUTE 0601
0.086	0.086	INTERSECTION	RIGHT	ROUTE 0601
0.090	0.090			ROUTE ENDS AT ROUTE 0601

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0262 : YAKI POINT ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0011 AT MP 11 ON LEFT
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0011
0.001	0.001	INTERSECTION	LEFT	ROUTE 0011
0.064	0.064	INTERSECTION	LEFT	
0.310	0.310	INTERSECTION	LEFT	ROUTE 0263
0.401	0.401	CULVERT	N/A	
0.471	0.471	INTERSECTION	LEFT	
0.545	0.545	CULVERT	N/A	
0.626	0.626	CULVERT	N/A	
0.826	0.826	CULVERT	N/A	
0.904	0.904	CULVERT	N/A	
0.961	0.961	CULVERT	N/A	
0.963	0.963	INTERSECTION	LEFT	ROUTE 0262, END OF LOOP
0.991	0.997	CURB	LEFT	
0.996	1.056	CURB	RIGHT	
1.045	1.045	INTERSECTION	RIGHT	ROUTE 0948
1.071	1.071	CULVERT	N/A	
1.095	1.095	INTERSECTION	LEFT	END OF LOOP
1.098	1.098	INTERSECTION	RIGHT	END OF LOOP
1.100	1.100			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0263 : KAIBAB TRAIL ACCESS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0262
0.054	0.054	CULVERT	N/A	
0.131	0.131	CULVERT	N/A	
0.139	0.139	INTERSECTION	RIGHT	DRIVEWAY
0.175	0.175	CULVERT	N/A	
0.191	0.191	INTERSECTION	LEFT	ROUTE 0949
0.200	0.200			ROUTE ENDS AT ROUTE 0949

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0264 : GRANDVIEW POINT ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0011
0.001	0.001	INTERSECTION	RIGHT	
0.002	0.002	INTERSECTION	LEFT	ROUTE 0011
0.009	0.009	CULVERT	N/A	
0.019	0.019	CULVERT	N/A	
0.440	0.440	CULVERT	N/A	
0.561	0.570	CURB	LEFT	
0.566	0.760	CURB	RIGHT	
0.573	0.573	INTERSECTION	LEFT	ROUTE 0264, END OF LOOP
0.583	0.759	CURB	LEFT	
0.652	0.652	INTERSECTION	RIGHT	ROUTE 0980A
0.657	0.657	INTERSECTION	LEFT	
0.679	0.684	GUARD WALL	RIGHT	
0.687	0.687	DROP INLET	RIGHT	
0.739	0.739	INTERSECTION	RIGHT	ROUTE 0980B
0.743	0.743	INTERSECTION	LEFT	ROUTE 0980C
0.761	0.761	INTERSECTION	LEFT	
0.762	0.762	INTERSECTION	RIGHT	
0.770	0.770			ROUTE ENDS AT END OF LOOP
0.776	0.776	INTERSECTION	LEFT	END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0265 : MORAN POINT ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0011
0.001	0.001	INTERSECTION	RIGHT	
0.002	0.002	INTERSECTION	LEFT	ROUTE 0011
0.109	0.109	INTERSECTION	LEFT	ROUTE 0265, END OF LOOP
0.156	0.250	CURB	LEFT	
0.157	0.252	CURB	RIGHT	
0.182	0.182	INTERSECTION	RIGHT	ROUTE 0991A RIGHT
0.201	0.201	INTERSECTION	LEFT	ROUTE 0991 B LEFT
0.250	0.250			ROUTE ENDS AT END OF ROUTE
0.251	0.251	INTERSECTION	LEFT	END OF ROUTE
0.256	0.256	INTERSECTION	RIGHT	END OF ROUTE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0266 : TUSAYAN RUIN ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0011
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011
0.001	0.001	INTERSECTION	RIGHT	
0.100	0.100	INTERSECTION	LEFT	ROUTE 0265, END OF LOOP
0.170	0.170	INTERSECTION	RIGHT	
0.176	0.225	CURB	RIGHT	
0.197	0.197	INTERSECTION	RIGHT	ROUTE 0990 A
0.199	0.199	INTERSECTION	LEFT	ROUTE 0990 B
0.199	0.220	CURB	LEFT	
0.226	0.226	INTERSECTION	RIGHT	
0.233	0.233	INTERSECTION	RIGHT	UNPAVED ROUTE
0.270	0.270			ROUTE ENDS AT END OF ROUTE
0.272	0.272	INTERSECTION	LEFT	END OF ROUTE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0267 : LIPAN POINT ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0011 AT MP 1947 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011
0.002	0.002	INTERSECTION	RIGHT	
0.446	0.446	INTERSECTION	LEFT	END OF LOOP
0.450	0.450			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0270 : DESERT VIEW CAMPGROUND

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0011
0.001	0.001	INTERSECTION	LEFT	ROUTE 0011
0.001	0.001	INTERSECTION	RIGHT	
0.032	0.032	INTERSECTION	RIGHT	ROUTE 0958
0.048	0.048	INTERSECTION	LEFT	SERVICE ROAD
0.192	0.229	PULLOUT	RIGHT	
0.241	0.241	INTERSECTION	LEFT	
0.256	0.256	INTERSECTION	LEFT	ROUTE 0270, END OF LOOP
0.296	0.312	PULLOUT	RIGHT	
0.464	0.482	PULLOUT	RIGHT	
0.546	0.556	PULLOUT	LEFT	
0.634	0.634	INTERSECTION	LEFT	END OF ROUTE
0.636	0.636	INTERSECTION	RIGHT	
0.640	0.640			ROUTE ENDS AT END OF ROUTE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0271 : MATHER CAMPGROUND ACCESS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0017
0.011	0.011	CULVERT	N/A	
0.015	0.015	INTERSECTION	RIGHT	ROUTE 0017
0.053	0.053	INTERSECTION	RIGHT	ROUTE 0941
0.138	0.138	INTERSECTION	RIGHT	ROUTE 0272 A
0.154	0.154	CULVERT	N/A	
0.176	0.176	INTERSECTION	LEFT	ROUTE 0272 B
0.184	0.184	CULVERT	N/A	
0.193	0.193	INTERSECTION	RIGHT	ROUTE 0272 A
0.221	0.221	INTERSECTION	RIGHT	ROUTE 0272 F
0.246	0.246	INTERSECTION	LEFT	ROUTE 0272 G
0.265	0.265	INTERSECTION	LEFT	ROUTE 0272 G
0.274	0.274	INTERSECTION	RIGHT	ROUTE 0272 G
0.298	0.298	INTERSECTION	RIGHT	ROUTE 0272 H
0.337	0.337	INTERSECTION	LEFT	ROUTE 0272 J
0.340	0.340	INTERSECTION	RIGHT	ROUTE 0272 H
0.361	0.361	INTERSECTION	LEFT	ROUTE 0272L
0.370	0.370			ROUTE ENDS AT ROUTE 0272L

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272A : MATHER CAMPGROUND ASPEN LOOP

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0271
0.001	0.001	INTERSECTION	RIGHT	
0.001	0.001	INTERSECTION	LEFT	ROUTE 0271
0.020	0.020	CULVERT	N/A	
0.115	0.115	CULVERT	N/A	
0.125	0.125	INTERSECTION	LEFT	
0.148	0.148	INTERSECTION	RIGHT	
0.255	0.255	CULVERT	N/A	
0.321	0.333	PULLOUT	RIGHT	
0.390	0.407	PULLOUT	RIGHT	
0.561	0.561	CULVERT	N/A	
0.589	0.589	INTERSECTION	LEFT	ROUTE 0271
0.592	0.592	INTERSECTION	RIGHT	ROUTE 0271
0.600	0.600			ROUTE ENDS AT ROUTE 0271

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272B : MATHER CAMPGROUND SAGE LOOP 1

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0271
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0271
0.001	0.001	INTERSECTION	LEFT	ROUTE 0271
0.008	0.008	INTERSECTION	RIGHT	ROUTE 0272C
0.045	0.045	INTERSECTION	RIGHT	ROUTE 0272C
0.055	0.055	INTERSECTION	RIGHT	ROUTE 0272D
0.071	0.071	INTERSECTION	LEFT	ROUTE 0272E
0.089	0.089	INTERSECTION	RIGHT	ROUTE 0272B LOOP
0.189	0.189	INTERSECTION	LEFT	END OF LOOP
0.190	0.190			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272C : MATHER CAMPGROUND SAGE LOOP 2

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0272B
0.017	0.039	PULLOUT	RIGHT	
0.052	0.052	INTERSECTION	RIGHT	
0.059	0.059	INTERSECTION	LEFT	ROUTE 0272D
0.070	0.070			ROUTE ENDS AT ROUTE 0272D

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272D : MATHER CAMPGROUND SAGE LOOP 3

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0272B
0.001	0.001	INTERSECTION	LEFT	
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0272B
0.009	0.023	PULLOUT	RIGHT	
0.035	0.035	INTERSECTION	RIGHT	ROUTE 0272B
0.040	0.040			ROUTE ENDS AT ROUTE 0272B

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272E : MATHER CAMPGROUND SAGE LOOP 4

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0272B
0.001	0.001	INTERSECTION	RIGHT	
0.002	0.002	INTERSECTION	LEFT	ROUTE 0272B
0.080	0.080			ROUTE ENDS AT ROUTE 0272B
0.080	0.080	INTERSECTION	RIGHT	ROUTE 0272B

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272F : MATHER CAMPGROUND FIR LOOP

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0271
0.001	0.001	INTERSECTION	LEFT	
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0271
0.035	0.035	CULVERT	N/A	
0.127	0.127	INTERSECTION	LEFT	
0.440	0.440	CULVERT	N/A	
0.487	0.487	INTERSECTION	LEFT	ROUTE 0271
0.489	0.489	INTERSECTION	RIGHT	ROUTE 0271
0.490	0.490			ROUTE ENDS AT ROUTE 0271

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272G : MATHER CAMPGROUND PINE LOOP

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0271
0.002	0.002	INTERSECTION	LEFT	
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0271
0.161	0.161	CULVERT	N/A	
0.183	0.192	PULLOUT	LEFT	
0.309	0.309	CULVERT	N/A	
0.328	0.340	PULLOUT	LEFT	
0.465	0.465	INTERSECTION	RIGHT	ROUTE 0271
0.467	0.467	INTERSECTION	LEFT	ROUTE 0271
0.470	0.470			ROUTE ENDS AT ROUTE 0271

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272H : MATHER CAMPGROUND JUNIPER LOOP 1

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0271
0.001	0.001	INTERSECTION	LEFT	
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0271
0.054	0.054	CULVERT	N/A	
0.138	0.138	INTERSECTION	RIGHT	ROUTE 0272
0.272	0.272	CULVERT	N/A	
0.328	0.328	INTERSECTION	LEFT	
0.328	0.328	INTERSECTION	RIGHT	ROUTE 0271
0.330	0.330			ROUTE ENDS AT ROUTE 0271

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272I : MATHER CAMPGROUND JUNIPER LOOP 2

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0272H
0.001	0.001	INTERSECTION	RIGHT	
0.001	0.001	INTERSECTION	LEFT	ROUTE 0272H
0.430	0.430			ROUTE ENDS AT ROUTE 0272H
0.431	0.431	INTERSECTION	LEFT	ROUTE 0272H
0.436	0.436	INTERSECTION	RIGHT	ROUTE 0272H

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272J : MATHER CAMPGROUND OAK LOOP 1

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0271
0.002	0.002	INTERSECTION	LEFT	
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0271
0.127	0.127	INTERSECTION	LEFT	ROUTE 0272K
0.193	0.193	INTERSECTION	LEFT	ROUTE 0272K
0.203	0.203	INTERSECTION	LEFT	ROUTE 0272K
0.206	0.206	INTERSECTION	LEFT	ROUTE 0272L
0.243	0.243	INTERSECTION	LEFT	ROUTE 0272L
0.250	0.250			ROUTE ENDS AT ROUTE 0271L
0.254	0.254	INTERSECTION	LEFT	ROUTE 0272L

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272K : MATHER CAMPGROUND OAK LOOP 2

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0272J
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0272J
0.020	0.020	CULVERT	N/A	
0.163	0.163	CULVERT	N/A	
0.227	0.227	CULVERT	N/A	
0.240	0.240			ROUTE ENDS AT ROUTE 0272J
0.241	0.241	INTERSECTION	RIGHT	ROUTE 0272J

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272L : MATHER CAMPGROUND MAPLE LOOP

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT END OF ROUTE 0271
0.002	0.002	INTERSECTION	RIGHT	END OF ROUTE 0271
0.150	0.150	INTERSECTION	RIGHT	ROUTE 0272J
0.244	0.244	INTERSECTION	LEFT	END OF LOOP
0.244	0.244	INTERSECTION	RIGHT	END OF LOOP
0.250	0.250			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273A : NORTH RIM CAMPGROUND OUTER LOOP

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT END OF RTE 0201, LEFT
0.009	0.009	INTERSECTION	RIGHT	ROUTE 0973
0.022	0.022	INTERSECTION	LEFT	END OF RTE 0201, LEFT
0.031	0.031	INTERSECTION	LEFT	ROUTE 0273 A END OF LOOP
0.033	0.033	INTERSECTION	LEFT	ROUTE 0273 B
0.037	0.037	INTERSECTION	RIGHT	ROUTE 0998
0.060	0.060	INTERSECTION	RIGHT	ROUTE 0998
0.062	0.062	INTERSECTION	LEFT	ROUTE 0273C
0.091	0.091	INTERSECTION	RIGHT	ROUTE 0998
0.094	0.094	INTERSECTION	LEFT	ROUTE 0273 D
0.098	0.098	INTERSECTION	RIGHT	
0.108	0.108	INTERSECTION	LEFT	
0.139	0.139	INTERSECTION	RIGHT	
0.155	0.155	INTERSECTION	LEFT	ROUTE 0273 E
0.185	0.185	INTERSECTION	LEFT	ROUTE 0273 F
0.335	0.335	INTERSECTION	LEFT	ROUTE 0273 F
0.395	0.395	INTERSECTION	LEFT	ROUTE 0273 E
0.429	0.429	INTERSECTION	LEFT	ROUTE 0273 D
0.480	0.480	INTERSECTION	LEFT	ROUTE 0273 C
0.530	0.530	INTERSECTION	LEFT	ROUTE 0273 B
0.563	0.563	INTERSECTION	RIGHT	UNPAVED PARKING TENTS ONLY
0.593	0.593	INTERSECTION	LEFT	CONNECTOR ROAD WITH 273 A
0.611	0.611	INTERSECTION	RIGHT	ROUTE 0997
0.624	0.624	INTERSECTION	LEFT	ROUTE 0973
0.625	0.625	INTERSECTION	RIGHT	ROUTE 0201
0.629	0.629	INTERSECTION	LEFT	ROUTE 0201

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273A : NORTH RIM CAMPGROUND OUTER LOOP

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.630	0.630			ROUTE ENDS AT AROUND OUTER LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273B : NORTH RIM CAMPGROUND SITES 80 TO 83

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0273A
0.001	0.001	INTERSECTION	LEFT	
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0273A
0.063	0.063	INTERSECTION	LEFT	ROUTE 0273A
0.065	0.065	INTERSECTION	RIGHT	ROUTE 0273A
0.070	0.070			ROUTE ENDS AT ROUTE 0273A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273C : NORTH RIM CAMPGROUND SITES 74 TO 79

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0273A
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0273A
0.001	0.001	INTERSECTION	LEFT	
0.090	0.090			ROUTE ENDS AT ROUTE 0273A
0.093	0.093	INTERSECTION	RIGHT	ROUTE 0273A
0.095	0.095	INTERSECTION	LEFT	ROUTE 0273A
0.100	0.100	INTERSECTION	RIGHT	ROUTE 0273A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273D : NORTH RIM CAMPGROUND SITES 64 TO 73

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0273A
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0273A
0.001	0.001	INTERSECTION	LEFT	
0.115	0.115	INTERSECTION	RIGHT	ROUTE 0273A
0.117	0.117	INTERSECTION	LEFT	ROUTE 0273A
0.120	0.120			ROUTE ENDS AT ROUTE 0273A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273E : NORTH RIM CAMPGROUND SITES 53 TO 63

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0273A
0.004	0.004	INTERSECTION	LEFT	ROUTE 0273A
0.004	0.004	INTERSECTION	RIGHT	ROUTE 0273A
0.104	0.104	INTERSECTION	RIGHT	ROUTE 0273A
0.105	0.105	INTERSECTION	LEFT	ROUTE 0273A
0.110	0.110			ROUTE ENDS AT ROUTE 0273A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273F : NORTH RIM CAMPGROUND SITES 47 TO 52

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0273A
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0273A
0.001	0.001	INTERSECTION	LEFT	
0.079	0.079	INTERSECTION	RIGHT	ROUTE 0273A
0.081	0.081	INTERSECTION	LEFT	ROUTE 0273A
0.090	0.090			ROUTE ENDS AT ROUTE 0273A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0277A : TRAILER VILLAGE ROAD OUTER LOOP A

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0017
0.002	0.002	INTERSECTION	LEFT	ROUTE 0017
0.003	0.003	INTERSECTION	RIGHT	ROUTE 0017
0.185	0.185	CULVERT	N/A	
0.213	0.213	INTERSECTION	LEFT	ROUTE 0994
0.283	0.283	INTERSECTION	LEFT	ROUTE 0277A
0.326	0.326	INTERSECTION	LEFT	ROUTE 0279A
0.347	0.347	INTERSECTION	RIGHT	ROUTE 0277B
0.352	0.352	INTERSECTION	LEFT	ROUTE 0279B
0.359	0.359	INTERSECTION	RIGHT	ROUTE 0277B SPUR
0.366	0.366	INTERSECTION	LEFT	ROUTE 0279C
0.374	0.374	INTERSECTION	RIGHT	ROUTE 0279M
0.378	0.378	INTERSECTION	LEFT	ROUTE 0279D
0.386	0.386	INTERSECTION	RIGHT	ROUTE 0279N
0.395	0.395	INTERSECTION	LEFT	ROUTE 0279E
0.395	0.395	INTERSECTION	RIGHT	ROUTE 0279E
0.403	0.403	INTERSECTION	LEFT	ROUTE 0279F
0.410	0.410	INTERSECTION	RIGHT	
0.418	0.418	INTERSECTION	LEFT	ROUTE 0279G
0.428	0.428	INTERSECTION	RIGHT	ROUTE 0279R
0.430	0.430	INTERSECTION	LEFT	ROUTE 0279H
0.439	0.439	INTERSECTION	RIGHT	ROUTE 0279S
0.440	0.440	INTERSECTION	LEFT	ROUTE 0279I
0.447	0.447	INTERSECTION	LEFT	ROUTE 0279J
0.462	0.462	INTERSECTION	LEFT	ROUTE 0279K
0.470	0.470	INTERSECTION	RIGHT	ROUTE 0279U
0.472	0.472	INTERSECTION	LEFT	ROUTE 0279L

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0277A : TRAILER VILLAGE ROAD OUTER LOOP A

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.474	0.474	INTERSECTION	RIGHT	ROUTE 0279V
0.576	0.576	INTERSECTION	LEFT	
0.576	0.576	INTERSECTION	RIGHT	
0.585	0.585	INTERSECTION	RIGHT	
0.598	0.598	INTERSECTION	LEFT	ROUTE 0279K
0.607	0.607	INTERSECTION	LEFT	ROUTE 0279J
0.625	0.625	INTERSECTION	LEFT	ROUTE 0279I
0.634	0.634	INTERSECTION	LEFT	ROUTE 0279H
0.643	0.643	INTERSECTION	LEFT	ROUTE 0279G
0.654	0.654	INTERSECTION	LEFT	ROUTE 0279F
0.666	0.666	INTERSECTION	LEFT	ROUTE 0279E
0.674	0.674	INTERSECTION	LEFT	ROUTE 0279D
0.675	0.675	INTERSECTION	RIGHT	
0.687	0.687	INTERSECTION	LEFT	ROUTE 0279C
0.698	0.698	INTERSECTION	LEFT	ROUTE 0279B
0.702	0.702	INTERSECTION	RIGHT	
0.708	0.708	INTERSECTION	LEFT	ROUTE 0279A
0.716	0.716	INTERSECTION	LEFT	ROUTE 0277A
0.717	0.717	INTERSECTION	RIGHT	ROUTE 0277A
0.732	0.746	PULLOUT	RIGHT	
0.750	0.750			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0277B : TRAILER VILLAGE ROAD OUTER LOOP B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.005	0.005	INTERSECTION	LEFT	ROUTE 0277A
0.008	0.008	INTERSECTION	RIGHT	ROUTE 0277A
0.126	0.126	INTERSECTION	RIGHT	ROUTE 0279U
0.138	0.138	INTERSECTION	RIGHT	ROUTE 0279T
0.150	0.150	INTERSECTION	RIGHT	ROUTE 0279S
0.161	0.161	INTERSECTION	RIGHT	ROUTE 0279R
0.181	0.181	INTERSECTION	RIGHT	ROUTE 0279P
0.210	0.210	INTERSECTION	RIGHT	ROUTE 0279O
0.223	0.223	INTERSECTION	RIGHT	ROUTE 0279N
0.245	0.245	INTERSECTION	RIGHT	ROUTE 0279M
0.336	0.336	INTERSECTION	RIGHT	
0.359	0.359	INTERSECTION	RIGHT	ROUTE 0277B SPUR
0.373	0.373	INTERSECTION	LEFT	ROUTE 0277B
0.373	0.373	INTERSECTION	RIGHT	ROUTE 0277B
0.380	0.380			ROUTE ENDS AT ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279A : TRAILER VILLAGE ROAD A

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.006	0.006	INTERSECTION	RIGHT	ROUTE 0277A
0.008	0.008	INTERSECTION	LEFT	ROUTE 0277A
0.041	0.041	INTERSECTION	RIGHT	END OF LOOP
0.047	0.047	INTERSECTION	LEFT	END OF LOOP
0.050	0.050			ROUTE ENDS AT ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279B : TRAILER VILLAGE ROAD B

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.004	0.004	INTERSECTION	LEFT	ROUTE 0277A
0.006	0.006	INTERSECTION	RIGHT	ROUTE 0277A
0.066	0.066	INTERSECTION	RIGHT	ROUTE 0279A
0.067	0.067	INTERSECTION	LEFT	ROUTE 0279A
0.070	0.070			ROUTE ENDS AT ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279C : TRAILER VILLAGE ROAD C

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.007	0.007	INTERSECTION	LEFT	ROUTE 0279A
0.008	0.008	INTERSECTION	RIGHT	ROUTE 0279A
0.077	0.077	INTERSECTION	LEFT	ROUTE 0277A
0.078	0.078	INTERSECTION	RIGHT	ROUTE 0277A
0.080	0.080			ROUTE ENDS AT ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279D : TRAILER VILLAGE ROAD D

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.003	0.003	INTERSECTION	RIGHT	ROUTE 0277A
0.005	0.005	INTERSECTION	LEFT	ROUTE 0277A
0.079	0.079	INTERSECTION	LEFT	ROUTE 0277A
0.079	0.079	INTERSECTION	RIGHT	ROUTE 0277A
0.090	0.090			ROUTE ENDS AT ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279E : TRAILER VILLAGE ROAD E

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.006	0.006	INTERSECTION	LEFT	ROUTE 0277A
0.007	0.007	INTERSECTION	RIGHT	ROUTE 0277A
0.084	0.084	INTERSECTION	LEFT	ROUTE 0277A
0.087	0.087	INTERSECTION	RIGHT	ROUTE 0277A
0.090	0.090			ROUTE ENDS AT ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279F : TRAILER VILLAGE ROAD F

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.004	0.004	INTERSECTION	LEFT	ROUTE 0277A
0.005	0.005	INTERSECTION	RIGHT	ROUTE 0277A
0.087	0.087	INTERSECTION	LEFT	ROUTE 0277A
0.090	0.090			ROUTE ENDS AT ROUTE 0277A
0.092	0.092	INTERSECTION	RIGHT	ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279G : TRAILER VILLAGE ROAD G

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.005	0.005	INTERSECTION	LEFT	ROUTE 0277A
0.005	0.005	INTERSECTION	RIGHT	ROUTE 0277A
0.092	0.092	INTERSECTION	RIGHT	ROUTE 0277A
0.093	0.093	INTERSECTION	LEFT	ROUTE 0277A
0.100	0.100			ROUTE ENDS AT ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279H : TRAILER VILLAGE ROAD H

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.004	0.004	INTERSECTION	RIGHT	ROUTE 0277A
0.005	0.005	INTERSECTION	LEFT	ROUTE 0277A
0.093	0.093	INTERSECTION	LEFT	ROUTE 0277A
0.094	0.094	INTERSECTION	RIGHT	ROUTE 0277A
0.100	0.100			ROUTE ENDS AT ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279I : TRAILER VILLAGE ROAD I

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.003	0.003	INTERSECTION	RIGHT	ROUTE 0277A
0.006	0.006	INTERSECTION	LEFT	ROUTE 0277A
0.098	0.098	INTERSECTION	RIGHT	
0.100	0.100	INTERSECTION	LEFT	ROUTE 0277A
0.102	0.102	INTERSECTION	RIGHT	ROUTE 0277A
0.110	0.110			ROUTE ENDS AT ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279J : TRAILER VILLAGE ROAD J

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.007	0.007	INTERSECTION	RIGHT	ROUTE 0277A
0.008	0.008	INTERSECTION	LEFT	ROUTE 0277A
0.099	0.099	INTERSECTION	LEFT	ROUTE 0277A
0.100	0.100	INTERSECTION	RIGHT	ROUTE 0277A
0.110	0.110			ROUTE ENDS AT ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279K : TRAILER VILLAGE ROAD K

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.008	0.008	INTERSECTION	LEFT	ROUTE 0277A
0.008	0.008	INTERSECTION	RIGHT	ROUTE 0277A
0.107	0.107	INTERSECTION	LEFT	ROUTE 0277A
0.110	0.110			ROUTE ENDS AT ROUTE 0277A
0.110	0.110	INTERSECTION	RIGHT	ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279L : TRAILER VILLAGE ROAD L

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.006	0.006	INTERSECTION	LEFT	ROUTE 0277B
0.006	0.006	INTERSECTION	RIGHT	ROUTE 0277B
0.051	0.051	INTERSECTION	RIGHT	
0.094	0.094	INTERSECTION	RIGHT	ROUTE 0277A
0.095	0.095	INTERSECTION	LEFT	ROUTE 0277A
0.100	0.100			ROUTE ENDS AT ROUTE 0277B

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279M : TRAILER VILLAGE ROAD M

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.006	0.006	INTERSECTION	LEFT	ROUTE 0277B
0.006	0.006	INTERSECTION	RIGHT	ROUTE 0277B
0.109	0.109	INTERSECTION	LEFT	ROUTE 0277A
0.113	0.113	INTERSECTION	RIGHT	ROUTE 0277A
0.120	0.120			ROUTE ENDS AT ROUTE 0277B

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279N : TRAILER VILLAGE ROAD N

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.008	0.008	INTERSECTION	LEFT	ROUTE 0277B
0.008	0.008	INTERSECTION	RIGHT	ROUTE 0277B
0.124	0.124	INTERSECTION	RIGHT	ROUTE 0277A
0.130	0.130			ROUTE ENDS AT ROUTE 0277B
0.130	0.130	INTERSECTION	LEFT	ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 02790 : TRAILER VILLAGE ROAD O

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.003	0.003	INTERSECTION	RIGHT	ROUTE 0277B
0.004	0.004	INTERSECTION	LEFT	ROUTE 0277B
0.138	0.138	INTERSECTION	RIGHT	ROUTE 0277A
0.139	0.139	INTERSECTION	LEFT	ROUTE 0277A
0.140	0.140			ROUTE ENDS AT ROUTE 0277B

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279P : TRAILER VILLAGE ROAD P

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.007	0.007	INTERSECTION	LEFT	ROUTE 0277B
0.007	0.007	INTERSECTION	RIGHT	ROUTE 0277B
0.133	0.133	INTERSECTION	LEFT	ROUTE 0277A
0.133	0.133	INTERSECTION	RIGHT	ROUTE 0277A
0.140	0.140			ROUTE ENDS AT ROUTE 0277B

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279R : TRAILER VILLAGE ROAD R

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.007	0.007	INTERSECTION	LEFT	ROUTE 0277B
0.007	0.007	INTERSECTION	RIGHT	ROUTE 0277B
0.130	0.130			ROUTE ENDS AT ROUTE 0277B
0.133	0.133	INTERSECTION	LEFT	ROUTE 0277A
0.133	0.133	INTERSECTION	RIGHT	ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279S : TRAILER VILLAGE ROAD S

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.004	0.004	INTERSECTION	LEFT	ROUTE 0277B
0.006	0.006	INTERSECTION	RIGHT	ROUTE 0277B
0.125	0.125	INTERSECTION	RIGHT	ROUTE 0277A
0.127	0.127	INTERSECTION	LEFT	ROUTE 0277A
0.130	0.130			ROUTE ENDS AT ROUTE 0277B

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279T : TRAILER VILLAGE ROAD T

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.008	0.008	INTERSECTION	RIGHT	ROUTE 0277B
0.009	0.009	INTERSECTION	LEFT	ROUTE 0277B
0.121	0.121	INTERSECTION	RIGHT	ROUTE 0277A
0.123	0.123	INTERSECTION	LEFT	ROUTE 0277A
0.130	0.130			ROUTE ENDS AT ROUTE 0277B

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279U : TRAILER VILLAGE ROAD U

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0277A
0.004	0.004	INTERSECTION	LEFT	ROUTE 0277B
0.006	0.006	INTERSECTION	RIGHT	ROUTE 0277B
0.118	0.118	INTERSECTION	LEFT	ROUTE 0277A
0.120	0.120			ROUTE ENDS AT ROUTE 0277B
0.121	0.121	INTERSECTION	RIGHT	ROUTE 0277A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0287 : ROUTE 0160 ACCESS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0160
0.001	0.001	INTERSECTION	RIGHT	
0.001	0.001	INTERSECTION	LEFT	ROUTE 0160
0.029	0.029	CULVERT	N/A	
0.044	0.044	RAILROAD CROSSING	RIGHT	1 SET
0.081	0.081	INTERSECTION	RIGHT	
0.172	0.172	CULVERT	N/A	
0.220	0.220	INTERSECTION	RIGHT	ROUTE 0938
0.248	0.248	INTERSECTION	RIGHT	ROUTE 0938
0.272	0.272	INTERSECTION	LEFT	
0.289	0.289	INTERSECTION	LEFT	END @ ROUTE 908
0.289	0.289	INTERSECTION	RIGHT	END @ ROUTE 908
0.290	0.290			ROUTE ENDS AT ROUTE 0908

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0288 : CLINIC ACCESS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0016 AT MP 06 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0016
0.001	0.001	INTERSECTION	RIGHT	
0.101	0.101	INTERSECTION	LEFT	
0.113	0.113	INTERSECTION	RIGHT	ROUTE 0440
0.197	0.197	INTERSECTION	RIGHT	ROUTE 0451
0.233	0.233	INTERSECTION	RIGHT	ROUTE 0937
0.245	0.257	CURB	RIGHT	
0.261	0.261	INTERSECTION	RIGHT	ROUTE 0937
0.263	0.263	INTERSECTION	LEFT	ROUTE 0937
0.271	0.283	CURB	LEFT	
0.271	0.283	CURB	RIGHT	
0.285	0.285	INTERSECTION	LEFT	ROUTE 0937
0.287	0.287	INTERSECTION	RIGHT	ROUTE 0937
0.291	0.307	CURB	LEFT	
0.295	0.303	CURB	RIGHT	
0.309	0.309	INTERSECTION	LEFT	ROUTE 0937
0.313	0.313	INTERSECTION	RIGHT	ROUTE 0937
0.313	0.320	CURB	LEFT	
0.317	0.326	CURB	RIGHT	
0.331	0.331	INTERSECTION	LEFT	ROUTE 0937
0.345	0.345	INTERSECTION	LEFT	ROUTE 0937
0.350	0.350			ROUTE ENDS AT ROUTE 0937

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0403 : TONTO STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0016 AT MP 15 ON RIGHT
0.008	0.008	INTERSECTION	RIGHT	ROUTE 0016
0.045	0.045	INTERSECTION	RIGHT	ROUTE 0431
0.059	0.059	INTERSECTION	RIGHT	ROUTE 0431 SPUR
0.066	0.066	CULVERT	N/A	
0.080	0.080	INTERSECTION	LEFT	ROUTE 0933
0.089	0.089	INTERSECTION	LEFT	ROUTE 0933
0.090	0.135	CURB	LEFT	
0.139	0.145	CURB	LEFT	
0.141	0.141	INTERSECTION	RIGHT	
0.147	0.147	INTERSECTION	LEFT	END @ RTE 0432
0.149	0.149	INTERSECTION	RIGHT	END @ RTE 0432
0.160	0.160			ROUTE ENDS AT ROUTE 0432

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0404 : AUTO SHOP ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0014 AT MP 119 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	
0.003	0.003	INTERSECTION	RIGHT	ROUTE 0014
0.128	0.128	INTERSECTION	LEFT	LEFT ROUTE 404 END OF LOOP
0.151	0.151	INTERSECTION	RIGHT	ROUTE 0448
0.160	0.160	INTERSECTION	RIGHT	
0.180	0.180			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0405 : ADMIN LOOP

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0014 AT MP 1148 ON RIGHT
0.002	0.002	INTERSECTION	LEFT	
0.008	0.008	INTERSECTION	RIGHT	ROUTE 0014
0.044	0.044	INTERSECTION	RIGHT	'BACKCOUNTRY PERMIT PARKING'
0.076	0.076	INTERSECTION	RIGHT	
0.083	0.083	INTERSECTION	LEFT	ROUTE 0405 END OF LOOP
0.103	0.103	INTERSECTION	RIGHT	UNPAVED PARKING FOR CAPE FINAL TRAIL
0.122	0.122	INTERSECTION	RIGHT	
0.137	0.137	INTERSECTION	RIGHT	ROUTE 0450
0.140	0.140	INTERSECTION	LEFT	ROUTE 0449
0.151	0.151	INTERSECTION	RIGHT	
0.158	0.158	INTERSECTION	LEFT	ROUTE 1017
0.159	0.159	INTERSECTION	RIGHT	
0.213	0.213	INTERSECTION	RIGHT	ROUTE 0449
0.233	0.233	INTERSECTION	RIGHT	ROUTE 0976
0.239	0.239	INTERSECTION	LEFT	ROUTE 1013
0.259	0.259	INTERSECTION	RIGHT	
0.279	0.279	INTERSECTION	LEFT	ROUTE 0405
0.284	0.284	INTERSECTION	RIGHT	ROUTE 0405
0.290	0.290			ROUTE ENDS AT LEFT @ STOP SIGN TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0408 : COCONINO ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0500
0.007	0.033	CURB	LEFT	
0.008	0.008	INTERSECTION	LEFT	ROUTE 0500
0.008	0.035	CURB	RIGHT	
0.009	0.009	INTERSECTION	RIGHT	ROUTE 0500
0.033	0.033	INTERSECTION	LEFT	ROUTE 0414
0.035	0.035	INTERSECTION	RIGHT	ROUTE 0413
0.065	0.065	INTERSECTION	LEFT	ROUTE 0411
0.076	0.076	INTERSECTION	LEFT	ROUTE 0409
0.097	0.097	INTERSECTION	RIGHT	ROUTE 0986
0.136	0.136	INTERSECTION	RIGHT	ROUTE 0987
0.204	0.204	INTERSECTION	LEFT	
0.268	0.268	INTERSECTION	LEFT	END @ ROUTE 0601
0.281	0.281	INTERSECTION	RIGHT	END @ ROUTE 0601
0.290	0.290			ROUTE ENDS AT ROUTE 0601

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0409 : BOULDER STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0408
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0408
0.001	0.001	INTERSECTION	LEFT	
0.113	0.113	INTERSECTION	RIGHT	ROUTE 0601
0.150	0.150	CULVERT	N/A	
0.155	0.155	INTERSECTION	RIGHT	ROUTE 0926
0.166	0.166	INTERSECTION	LEFT	ROUTE 0927
0.238	0.238	INTERSECTION	RIGHT	
0.243	0.243	INTERSECTION	LEFT	ROUTE 0411
0.269	0.269	CULVERT	N/A	
0.270	0.277	CURB	RIGHT	
0.273	0.281	CURB	LEFT	
0.281	0.281	INTERSECTION	LEFT	ROUTE 0016
0.282	0.282	INTERSECTION	RIGHT	ROUTE 0016
0.290	0.290			ROUTE ENDS AT ROUTE 0016

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0411 : BOULDER ALLEY

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0408 AT MP 025 ON LEFT
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0408
0.001	0.001	INTERSECTION	LEFT	
0.024	0.024	INTERSECTION	LEFT	
0.047	0.047	INTERSECTION	LEFT	
0.052	0.052	INTERSECTION	RIGHT	
0.068	0.068	INTERSECTION	LEFT	
0.084	0.084	INTERSECTION	LEFT	
0.100	0.100	INTERSECTION	RIGHT	
0.101	0.101	INTERSECTION	LEFT	
0.113	0.113	INTERSECTION	LEFT	
0.136	0.136	INTERSECTION	LEFT	
0.159	0.159	INTERSECTION	LEFT	
0.185	0.185	INTERSECTION	LEFT	
0.240	0.240			ROUTE ENDS AT ROUTE 0409
0.241	0.241	INTERSECTION	LEFT	ROUTE 0409
0.242	0.242	INTERSECTION	RIGHT	ROUTE 0409

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0413 : APACHE STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0016 AT MP 15 ON LEFT
0.003	0.003	CULVERT	N/A	
0.010	0.230	CURB	LEFT	
0.013	0.064	CURB	RIGHT	
0.035	0.059	PULLOUT	RIGHT	
0.067	0.067	INTERSECTION	RIGHT	ROUTE 0415
0.071	0.231	CURB	RIGHT	
0.077	0.112	PULLOUT	LEFT	
0.085	0.154	PULLOUT	RIGHT	
0.118	0.179	PULLOUT	LEFT	
0.164	0.226	PULLOUT	RIGHT	
0.189	0.225	PULLOUT	LEFT	
0.224	0.224	DROP INLET	LEFT	
0.226	0.226	DROP INLET	RIGHT	
0.230	0.230			ROUTE ENDS AT ROUTE 0408
0.233	0.233	INTERSECTION	RIGHT	END @ ROUTE 0408
0.234	0.234	INTERSECTION	LEFT	END @ ROUTE 0408

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0414 : APACHE WEST

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0408
0.002	0.002	INTERSECTION	LEFT	
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0408
0.010	0.010	CULVERT	N/A	
0.037	0.037	CULVERT	N/A	
0.050	0.050	INTERSECTION	LEFT	ROUTE 0983 G
0.062	0.087	CURB	LEFT	
0.064	0.064	CULVERT	N/A	
0.074	0.074	INTERSECTION	RIGHT	ROUTE 0983 E
0.076	0.083	CURB	RIGHT	
0.079	0.079	INTERSECTION	LEFT	ROUTE 0983 F
0.084	0.084	INTERSECTION	RIGHT	ROUTE 0983 D
0.101	0.101	INTERSECTION	LEFT	ROUTE 0983 B
0.107	0.107	INTERSECTION	RIGHT	ROUTE 0983 C
0.112	0.117	CURB	RIGHT	
0.123	0.123	INTERSECTION	RIGHT	ROUTE 0983 A
0.140	0.140			ROUTE ENDS AT END OF PAVEMENT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0415 : APACHE ALLEY

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0413
0.001	0.001	INTERSECTION	RIGHT	
0.002	0.002	INTERSECTION	LEFT	ROUTE 0413
0.143	0.143	INTERSECTION	RIGHT	
0.146	0.146	INTERSECTION	LEFT	
0.167	0.167	INTERSECTION	RIGHT	ROUTE 0500
0.169	0.169	INTERSECTION	LEFT	ROUTE 0500
0.170	0.170			ROUTE ENDS AT ROUTE 0500

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0416 : MUAV COURT

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0601
0.000	0.000	INTERSECTION	RIGHT	
0.002	0.002	INTERSECTION	LEFT	ROUTE 0601
0.017	0.017	INTERSECTION	LEFT	ROUTE 0417
0.027	0.150	CURB	LEFT	
0.030	0.139	CURB	RIGHT	
0.043	0.043	INTERSECTION	LEFT	ROUTE 1010B
0.043	0.043	INTERSECTION	RIGHT	ROUTE 1010A
0.069	0.069	INTERSECTION	LEFT	ROUTE 1010D
0.070	0.070	INTERSECTION	RIGHT	ROUTE 1010C
0.101	0.101	INTERSECTION	LEFT	ROUTE 1010E
0.124	0.124	INTERSECTION	LEFT	ROUTE 1010F
0.127	0.127	INTERSECTION	RIGHT	ROUTE 1010G
0.150	0.150			ROUTE ENDS AT END OF ROUTE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0417 : HUALAPAI ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0416
0.002	0.002	INTERSECTION	LEFT	
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0416
0.025	0.025	CULVERT	N/A	
0.072	0.072	INTERSECTION	RIGHT	ROUTE 1009
0.116	0.116	INTERSECTION	LEFT	ROUTE 0421
0.120	0.120	INTERSECTION	RIGHT	ROUTE 0420A
0.165	0.165	INTERSECTION	LEFT	ROUTE 0421
0.175	0.175	INTERSECTION	RIGHT	ROUTE 0420B
0.194	0.194	INTERSECTION	LEFT	END @ ROUTE 0419 LEFT & END OF PAVEMENT
0.200	0.200			ROUTE ENDS AT END OF ROUTE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0419 : KOLB CIRCLE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0417
0.001	0.001	INTERSECTION	RIGHT	ROUTE 1008A
0.001	0.001	INTERSECTION	LEFT	ROUTE 1008A
0.025	0.025	INTERSECTION	LEFT	ROUTE 1008B
0.046	0.046	INTERSECTION	LEFT	ROUTE 0417
0.050	0.050			ROUTE ENDS AT ROUTE 0417

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0420A : MATHER STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0417
0.000	0.000	INTERSECTION	LEFT	ROUTE 0417
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0417
0.069	0.069	INTERSECTION	RIGHT	ROUTE 0420B
0.070	0.070			ROUTE ENDS AT ROUTE 0420B
0.070	0.070	INTERSECTION	LEFT	ROUTE 0420B

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0420B : MATHER STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0417
0.001	0.001	INTERSECTION	LEFT	ROUTE 0417
0.001	0.001	INTERSECTION	RIGHT	
0.047	0.047	INTERSECTION	LEFT	
0.088	0.088	INTERSECTION	RIGHT	END OF LOOP
0.090	0.090	INTERSECTION	RIGHT	
0.110	0.110			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0421 : POWELL AVENUE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0417
0.002	0.002	INTERSECTION	LEFT	
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0417
0.028	0.028	INTERSECTION	RIGHT	ROUTE 0443
0.033	0.033	INTERSECTION	RIGHT	ROUTE 0442
0.131	0.131	INTERSECTION	RIGHT	CONNECTOR ROAD TO ROUTE 0442
0.231	0.231	INTERSECTION	RIGHT	ROUTE 0442
0.240	0.240	INTERSECTION	RIGHT	ROUTE 0443
0.256	0.256	INTERSECTION	LEFT	ROUTE 0417
0.259	0.259	INTERSECTION	RIGHT	ROUTE 0417
0.267	0.267	INTERSECTION	RIGHT	
0.270	0.270			ROUTE ENDS AT ROUTE 0417

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0422 : MUAVE STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0601
0.001	0.001	INTERSECTION	LEFT	
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0601
0.013	0.013	CULVERT	N/A	
0.034	0.034	INTERSECTION	RIGHT	ROUTE 0423
0.082	0.082	INTERSECTION	RIGHT	ROUTE 0423
0.110	0.110	CULVERT	N/A	
0.148	0.148	INTERSECTION	LEFT	ROUTE 1005
0.148	0.148	INTERSECTION	RIGHT	ROUTE 1006
0.170	0.170			ROUTE ENDS AT END OF ROUTE
0.174	0.174	INTERSECTION	RIGHT	END OF ROUTE
0.178	0.178	INTERSECTION	LEFT	END OF ROUTE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0423 : GRAND CANYON VILLAGE NEW HOUSING LOOP RO

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0422
0.001	0.001	INTERSECTION	LEFT	ROUTE 1007B
0.001	0.001	INTERSECTION	RIGHT	ROUTE 1007B
0.011	0.011	INTERSECTION	LEFT	
0.014	0.014	INTERSECTION	RIGHT	ROUTE 1007A
0.045	0.045	INTERSECTION	RIGHT	ROUTE 1007C
0.098	0.098	INTERSECTION	LEFT	ROUTE 01007D
0.105	0.105	INTERSECTION	RIGHT	ROUTE 1007E
0.140	0.140	INTERSECTION	LEFT	ROUTE 1007G
0.153	0.153	INTERSECTION	RIGHT	ROUTE 1007F
0.160	0.160			ROUTE ENDS AT ROUTE 0422
0.160	0.160	INTERSECTION	LEFT	ROUTE 0422

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0426 : MASWICK TRANSPORTATION CENTER ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0500
0.004	0.004	INTERSECTION	RIGHT	ROUTE 0500
0.009	0.103	CURB	RIGHT	
0.015	0.169	CURB	LEFT	
0.105	0.105	INTERSECTION	RIGHT	ROUTE 0922
0.117	0.161	CURB	RIGHT	
0.170	0.170			ROUTE ENDS AT ROUTE 0923
0.171	0.171	INTERSECTION	LEFT	ROUTE 0923

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0427 : KENNELS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0160
0.001	0.001	INTERSECTION	LEFT	ROUTE 0160
0.001	0.001	INTERSECTION	RIGHT	
0.028	0.028	CULVERT	N/A	
0.054	0.054	RAILROAD CROSSING	RIGHT	1 SET
0.099	0.099	INTERSECTION	LEFT	ROUTE 0939
0.105	0.105	INTERSECTION	RIGHT	
0.170	0.170			ROUTE ENDS AT ROUTE 0939
0.175	0.175	INTERSECTION	LEFT	ROUTE 0939

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0428 : SHUTTLE BUS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0016 AT MP 017 ON LEFT
0.010	0.010	INTERSECTION	LEFT	ROUTE 0016
0.011	0.011	INTERSECTION	RIGHT	
0.222	0.222	CULVERT	N/A	
0.299	0.299	INTERSECTION	LEFT	UNPAVED PARKING
0.325	0.325	INTERSECTION	LEFT	UNPAVED PARKING
0.403	0.403	INTERSECTION	RIGHT	
0.421	0.421	INTERSECTION	RIGHT	ROUTE 0478
0.431	0.431	DROP INLET	LEFT	
0.462	0.462	INTERSECTION	RIGHT	ROUTE 1000
0.532	0.532	INTERSECTION	RIGHT	ROUTE 1000
0.598	0.598	INTERSECTION	LEFT	
0.605	0.605	INTERSECTION	LEFT	ROUTE 0999
0.607	0.607	INTERSECTION	RIGHT	ROUTE 0999
0.610	0.610			ROUTE ENDS AT ROUTE 0999

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0429 : NPS OFFICES ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0601
0.001	0.001	INTERSECTION	LEFT	
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0601
0.044	0.044	INTERSECTION	RIGHT	ROUTE 0989
0.069	0.069	INTERSECTION	RIGHT	ROUTE 0989
0.106	0.106	INTERSECTION	LEFT	
0.107	0.107	INTERSECTION	RIGHT	END OF ROUTE
0.110	0.110			ROUTE ENDS AT END OF ROUTE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0430 : LAPP LOOP

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0016
0.001	0.001	INTERSECTION	RIGHT	
0.002	0.002	INTERSECTION	LEFT	ROUTE 0016
0.004	0.004	CULVERT	N/A	
0.057	0.057	INTERSECTION	LEFT	ROUTE 0016
0.059	0.059	CULVERT	N/A	
0.059	0.059	INTERSECTION	RIGHT	ROUTE 0016
0.070	0.070			ROUTE ENDS AT ROUTE 0016

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0431 : JUNIPER HILL

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0403 AT MP 006 ON RIGHT
0.007	0.007	INTERSECTION	LEFT	ROUTE 0403
0.007	0.007	INTERSECTION	RIGHT	
0.018	0.018	INTERSECTION	LEFT	ROUTE 0431
0.053	0.053	INTERSECTION	RIGHT	ROUTE 0435
0.071	0.071	INTERSECTION	RIGHT	ROUTE 0934
0.099	0.099	INTERSECTION	RIGHT	ROUTE 0934
0.275	0.275	INTERSECTION	LEFT	ROUTE 0435
0.275	0.275	INTERSECTION	RIGHT	ROUTE 0435
0.280	0.280			ROUTE ENDS AT ROUTE 0435

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0432 : NAVAJO STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0500 AT MP 126 ON RIGHT
0.002	0.002	INTERSECTION	RIGHT	
0.002	0.002	INTERSECTION	LEFT	ROUTE 0500
0.018	0.018	CULVERT	N/A	
0.023	0.023	INTERSECTION	LEFT	ROUTE 0925
0.040	0.040	INTERSECTION	LEFT	ROUTE 0445A
0.096	0.096	CULVERT	N/A	
0.119	0.119	INTERSECTION	RIGHT	ROUTE 0403
0.134	0.134	INTERSECTION	LEFT	ROUTE 0444
0.168	0.168	INTERSECTION	LEFT	ROUTE 0431
0.170	0.170			ROUTE ENDS AT ROUTE 0431

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0433 : TAPEATS STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0444
0.001	0.001	INTERSECTION	RIGHT	
0.001	0.001	INTERSECTION	LEFT	ROUTE 0444
0.035	0.035	CULVERT	N/A	
0.094	0.094	CULVERT	N/A	
0.112	0.112	INTERSECTION	LEFT	ROUTE 0444
0.113	0.113	INTERSECTION	RIGHT	ROUTE 0444
0.120	0.120			ROUTE ENDS AT ROUTE 0444

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0434 : HERMIT CIRCLE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0435
0.001	0.001	INTERSECTION	LEFT	
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0435
0.027	0.027	INTERSECTION	LEFT	ROUTE 1003 A
0.041	0.075	CURB	LEFT	
0.053	0.053	INTERSECTION	LEFT	ROUTE 1003 B
0.083	0.083	INTERSECTION	LEFT	ROUTE 0435
0.083	0.083	INTERSECTION	RIGHT	ROUTE 0435
0.090	0.090			ROUTE ENDS AT ROUTE 0435

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0435 : SUNSET DRIVE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0431
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0431
0.017	0.017	INTERSECTION	LEFT	UNPAVED ROUTE
0.033	0.033	INTERSECTION	LEFT	
0.035	0.035	INTERSECTION	RIGHT	
0.059	0.059	INTERSECTION	RIGHT	
0.066	0.066	INTERSECTION	LEFT	
0.080	0.080	INTERSECTION	LEFT	
0.089	0.089	INTERSECTION	LEFT	PARKING 0934
0.095	0.095	INTERSECTION	RIGHT	UNPAVED ROUTE
0.125	0.125	INTERSECTION	RIGHT	
0.179	0.179	INTERSECTION	RIGHT	
0.191	0.191	INTERSECTION	LEFT	ROUTE 0431
0.202	0.202	INTERSECTION	LEFT	ROUTE 0434
0.217	0.217	INTERSECTION	RIGHT	
0.228	0.228	INTERSECTION	LEFT	ROUTE 0434
0.258	0.258	INTERSECTION	LEFT	ROUTE 0451
0.261	0.261	INTERSECTION	RIGHT	
0.307	0.307	INTERSECTION	LEFT	
0.344	0.344	INTERSECTION	LEFT	
0.355	0.355	INTERSECTION	LEFT	
0.359	0.359	INTERSECTION	RIGHT	ROUTE 0437
0.360	0.360			ROUTE ENDS AT ROUTE 0437
0.367	0.367	INTERSECTION	LEFT	ROUTE 0437

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0436A : BRIGHT ANGEL LOOP ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0500
0.001	0.001	INTERSECTION	RIGHT	
0.004	0.019	GUARD WALL	RIGHT	
0.004	0.004	INTERSECTION	LEFT	ROUTE 0500
0.015	0.015	INTERSECTION	LEFT	ROUTE 0436A
0.024	0.024	INTERSECTION	RIGHT	ROUTE 0907
0.026	0.036	GUARD WALL	RIGHT	
0.044	0.044	INTERSECTION	RIGHT	
0.061	0.061	INTERSECTION	RIGHT	
0.083	0.083	INTERSECTION	RIGHT	ROUTE 0436B
0.094	0.094	INTERSECTION	RIGHT	ROUTE 0436B
0.136	0.136	INTERSECTION	LEFT	ROUTE 0500
0.137	0.137	INTERSECTION	RIGHT	ROUTE 0500
0.140	0.140			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0436B : BRIGHT ANGEL LOOP ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0446A
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0436
0.009	0.009	INTERSECTION	LEFT	
0.015	0.015	INTERSECTION	RIGHT	
0.035	0.035	INTERSECTION	RIGHT	
0.047	0.047	INTERSECTION	RIGHT	
0.060	0.060			ROUTE ENDS AT END OF LOOP
0.061	0.061	INTERSECTION	RIGHT	END OF LOOP
0.063	0.063	INTERSECTION	LEFT	END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0437 : PARK CIRCLE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0016 AT MP 107 ON RIGHT
0.001	0.001	INTERSECTION	LEFT	ROUTE 0016
0.001	0.001	INTERSECTION	RIGHT	
0.003	0.003	CULVERT	N/A	
0.015	0.015	INTERSECTION	LEFT	
0.017	0.017	INTERSECTION	RIGHT	
0.041	0.041	INTERSECTION	LEFT	ROUTE 0437, END OF LOOP
0.047	0.047	INTERSECTION	RIGHT	ROUTE 0435
0.145	0.145	INTERSECTION	LEFT	ROUTE 0444
0.156	0.156	CULVERT	N/A	
0.507	0.507	INTERSECTION	RIGHT	
0.517	0.517	CULVERT	N/A	
0.519	0.519	INTERSECTION	LEFT	END OF LOOP AT ROUTE 0437 AND ROUTE 0435 INTERSECTION
0.519	0.519	INTERSECTION	RIGHT	END OF LOOP AT ROUTE 0437 AND ROUTE 0435 INTERSECTION
0.520	0.520			ROUTE ENDS AT END OF LOOP AT ROUTE 0437 AND ROUTE 0435 INTERSECT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0438 : BARRY HANCE CIRCLE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0451 AT MP 041 ON LEFT
0.001	0.001	INTERSECTION	RIGHT	
0.001	0.001	INTERSECTION	LEFT	ROUTE 0451
0.046	0.046	INTERSECTION	RIGHT	ROUTE 0438
0.105	0.105	CULVERT	N/A	
0.266	0.284	CURB	LEFT	
0.273	0.273	INTERSECTION	LEFT	ROUTE 1002
0.447	0.447	CULVERT	N/A	
0.447	0.447	INTERSECTION	LEFT	END OF LOOP
0.447	0.447	INTERSECTION	RIGHT	END OF LOOP
0.460	0.460			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0439 : PONDEROSA STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0451
0.001	0.001	INTERSECTION	LEFT	ROUTE 0451
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0451
0.040	0.040			ROUTE ENDS AT END OF ROUTE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0440 : RANDY THOMPSON CIRCLE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0288
0.001	0.001	INTERSECTION	LEFT	
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0440
0.012	0.012	CULVERT	N/A	
0.013	0.033	CURB	LEFT	
0.035	0.035	INTERSECTION	LEFT	ROUTE 0440
0.098	0.098	INTERSECTION	LEFT	ROUTE 0441
0.331	0.331	INTERSECTION	RIGHT	ROUTE 1001
0.357	0.357	INTERSECTION	RIGHT	ROUTE 1001 B
0.369	0.369	INTERSECTION	LEFT	ROUTE 0441
0.387	0.404	CURB	RIGHT	
0.393	0.393	INTERSECTION	RIGHT	ROUTE 1001 C
0.558	0.558	INTERSECTION	LEFT	END OF LOOP
0.570	0.570			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0441 : BOB MANN STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0440
0.002	0.002	INTERSECTION	LEFT	
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0440
0.083	0.083	INTERSECTION	RIGHT	
0.159	0.159	INTERSECTION	LEFT	
0.163	0.163	INTERSECTION	RIGHT	ROUTE 0440
0.170	0.170			ROUTE ENDS AT ROUTE 0440

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0442 : MORAN AVENUE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0421
0.006	0.006	INTERSECTION	RIGHT	
0.007	0.007	INTERSECTION	LEFT	ROUTE 0421
0.056	0.056	INTERSECTION	LEFT	
0.109	0.109	INTERSECTION	LEFT	ROUTE 0421
0.110	0.110			ROUTE ENDS AT ROUTE 0421

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0443 : LIPAN STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0421
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0421
0.002	0.002	INTERSECTION	LEFT	ROUTE 0421
0.055	0.055	INTERSECTION	LEFT	ROUTE 0421
0.056	0.056	INTERSECTION	RIGHT	ROUTE 0421
0.060	0.060			ROUTE ENDS AT ROUTE 0421

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0444 : KAIBAB STREET

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0432
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0432
0.001	0.001	INTERSECTION	LEFT	
0.002	0.002	CULVERT	N/A	
0.099	0.099	CULVERT	N/A	
0.112	0.112	INTERSECTION	LEFT	ROUTE 0433
0.173	0.173	INTERSECTION	LEFT	ROUTE 0433
0.228	0.228	CULVERT	N/A	
0.261	0.261	INTERSECTION	RIGHT	ROUTE 0451
0.274	0.274	CULVERT	N/A	
0.347	0.347	CULVERT	N/A	
0.474	0.474	INTERSECTION	LEFT	ROUTE 0451
0.479	0.479	INTERSECTION	RIGHT	
0.536	0.536	INTERSECTION	RIGHT	ROUTE 0437
0.537	0.537	INTERSECTION	LEFT	ROUTE 0437
0.540	0.540			ROUTE ENDS AT ROUTE 0437

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0445A : NAVAJO RESIDENCE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0432
0.003	0.003	CULVERT	N/A	
0.035	0.035	CULVERT	N/A	
0.047	0.047	INTERSECTION	LEFT	ROUTE 0445B
0.052	0.052	CULVERT	N/A	
0.070	0.070			ROUTE ENDS AT END OF ROUTE
0.074	0.074	INTERSECTION	LEFT	END OF ROUTE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0445B : NAVAJO RESIDENCE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0445A
0.038	0.038	INTERSECTION	LEFT	END OF LOOP
0.040	0.040			ROUTE ENDS AT END OF LOOP
0.041	0.041	INTERSECTION	RIGHT	ROUTE 0445B, END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0446 : WEST SHUTTLE ACCESS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0012
0.005	0.005	INTERSECTION	LEFT	ROUTE 0012
0.009	0.009	INTERSECTION	RIGHT	ROUTE 0012
0.040	0.049	CURB	RIGHT	
0.044	0.044	INTERSECTION	RIGHT	ROUTE 0940
0.053	0.053	INTERSECTION	RIGHT	ROUTE 0996
0.056	0.071	CURB	RIGHT	
0.061	0.061	CULVERT	N/A	
0.063	0.063	CULVERT	N/A	
0.084	0.084	INTERSECTION	RIGHT	
0.089	0.089	CULVERT	N/A	
0.091	0.096	CURB	RIGHT	
0.136	0.136	INTERSECTION	LEFT	ROUTE 0942
0.140	0.140	INTERSECTION	RIGHT	ROUTE 0943
0.216	0.216	INTERSECTION	RIGHT	
0.224	0.224	CULVERT	N/A	
0.274	0.274	INTERSECTION	LEFT	ROUTE 0942
0.378	0.378	INTERSECTION	LEFT	ROUTE 0942
0.397	0.397	INTERSECTION	RIGHT	ROUTE 0944
0.525	0.525	CULVERT	N/A	
0.631	0.631	CULVERT	N/A	
0.699	0.699	INTERSECTION	LEFT	ROUTE 0485
0.702	0.702	INTERSECTION	RIGHT	ROUTE 0485
0.713	0.713	INTERSECTION	LEFT	ROUTE 0446, END OF LOOP
0.733	0.733	INTERSECTION	LEFT	
0.751	0.751	INTERSECTION	RIGHT	
0.795	0.795	INTERSECTION	LEFT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0446 : WEST SHUTTLE ACCESS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.820	0.820			ROUTE ENDS AT END OF LOOP
0.826	0.826	INTERSECTION	LEFT	
0.827	0.827	INTERSECTION	LEFT	END OF LOOP
0.832	0.832	INTERSECTION	RIGHT	END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0447 : EAST SHUTTLE ACCESS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0012
0.001	0.001	INTERSECTION	LEFT	
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0012
0.109	0.109	INTERSECTION	LEFT	ROUTE 0485
0.133	0.133	INTERSECTION	LEFT	ROUTE 0447
0.154	0.154	INTERSECTION	LEFT	ROUTE 0447 SPUR
0.215	0.215	INTERSECTION	LEFT	ROUTE 0447 SPUR
0.224	0.224	CULVERT	N/A	
0.238	0.238	INTERSECTION	LEFT	END OF LOOP
0.240	0.240			ROUTE ENDS AT END OF LOOP
0.241	0.241	INTERSECTION	RIGHT	ROUTE 0485

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0448A : EMPLOYEE DINING ROOM/MULE CONCESSIONAIRE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0404
0.025	0.025	INTERSECTION	RIGHT	ROUTE 1014 A
0.032	0.032	INTERSECTION	RIGHT	ROUTE 0448 B
0.038	0.133	CURB	RIGHT	
0.053	0.053	INTERSECTION	RIGHT	
0.055	0.055	INTERSECTION	LEFT	ROUTE 1014 B
0.077	0.077	INTERSECTION	LEFT	ROUTE 1014 B
0.111	0.111	INTERSECTION	RIGHT	ROUTE 1014 D
0.127	0.127	INTERSECTION	LEFT	ROUTE 1014 C
0.135	0.135	INTERSECTION	RIGHT	ROUTE 0448 B
0.185	0.185	INTERSECTION	LEFT	
0.200	0.200			ROUTE ENDS AT END OF PAVEMENT AT MULE CONCESSIONAIRE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0448B : CONCESSIONAIRE RESIDENCE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0448A
0.001	0.109	CURB	LEFT	
0.011	0.019	CURB	RIGHT	
0.021	0.021	INTERSECTION	RIGHT	
0.034	0.034	INTERSECTION	RIGHT	ROUTE 1014 A
0.057	0.057	INTERSECTION	RIGHT	ROUTE 1014 F
0.066	0.066	INTERSECTION	RIGHT	ROUTE 0448 C
0.119	0.119	INTERSECTION	RIGHT	ROUTE 1014E
0.120	0.120			ROUTE ENDS AT VEER LEFT TO ROUTE 0448A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0448C : RV CONCESSIONAIRE RESIDENCE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0448B
0.005	0.005	INTERSECTION	LEFT	ROUTE 0448B
0.099	0.099	INTERSECTION	LEFT	ROUTE 0448A
0.100	0.100			ROUTE ENDS AT ROUTE 0448A

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0449 : NORTH RIM RESIDENCE LOOP

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0450
0.001	0.001	INTERSECTION	LEFT	
0.002	0.002	INTERSECTION	RIGHT	ROUTE 0450
0.043	0.043	INTERSECTION	LEFT	
0.092	0.092	INTERSECTION	LEFT	
0.143	0.143	INTERSECTION	RIGHT	ROUTE 0975 A
0.167	0.167	INTERSECTION	RIGHT	ROUTE 0975 B
0.193	0.210	CURB	RIGHT	
0.201	0.201	INTERSECTION	RIGHT	ROUTE 0975 C
0.207	0.207	INTERSECTION	RIGHT	ROUTE 0975 D
0.233	0.233	INTERSECTION	LEFT	ROUTE 0405
0.233	0.233	INTERSECTION	RIGHT	ROUTE 0975 E
0.240	0.240			ROUTE ENDS AT ROUTE 0405

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0450 : WASTEWATER PLANT/HELIPAD ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT RTE 0405 RIGHT AT STOP SIGN
0.001	0.001	INTERSECTION	RIGHT	
0.002	0.002	INTERSECTION	LEFT	ROUTE 0405 RIGHT AT STOP SIGN
0.007	0.007	INTERSECTION	LEFT	ROUTE 0449
0.014	0.014	INTERSECTION	LEFT	
0.037	0.037	INTERSECTION	RIGHT	ROUTE 1012
0.271	0.271	INTERSECTION	LEFT	ROUTE 0450 @ END OF LOOP
0.298	0.298	INTERSECTION	RIGHT	UNPAVED ROUTE
0.303	0.303	INTERSECTION	RIGHT	
0.346	0.346	INTERSECTION	RIGHT	END OF LOOP
0.347	0.347	INTERSECTION	LEFT	END OF LOOP
0.350	0.350			ROUTE ENDS AT END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0451 : HAVASUPAI ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0435
0.001	0.001	INTERSECTION	LEFT	ROUTE 0435
0.001	0.001	INTERSECTION	RIGHT	
0.156	0.156	INTERSECTION	RIGHT	ROUTE 0444
0.157	0.157	INTERSECTION	LEFT	ROUTE 0444
0.191	0.191	CULVERT	N/A	
0.201	0.201	CULVERT	N/A	
0.223	0.223	CULVERT	N/A	
0.413	0.413	INTERSECTION	LEFT	ROUTE 0438
0.435	0.435	INTERSECTION	RIGHT	ROUTE 0439
0.605	0.605	INTERSECTION	LEFT	ROUTE 0288
0.614	0.614	INTERSECTION	RIGHT	ROUTE 0288
0.620	0.620			ROUTE ENDS AT ROUTE 0288

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0461 : EAST ENTRANCE RESIDENCE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
NO MAINTENANCE FEATURES IN ROUTE.				
0.000	0.000			ROUTE BEGINS AT ROUTE 0011 AT MP 217 ON LEFT
0.000	0.000			ROUTE ENDS AT END OF ROUTE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0485 : EMPLOYEE SERVICE ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0447
0.001	0.001	INTERSECTION	RIGHT	
0.002	0.002	INTERSECTION	LEFT	ROUTE 0447
0.053	0.053	INTERSECTION	RIGHT	ROUTE 0992
0.167	0.167	INTERSECTION	RIGHT	ROUTE 0993
0.171	0.171	CULVERT	N/A	
0.196	0.196	INTERSECTION	LEFT	
0.205	0.205	INTERSECTION	RIGHT	ROUTE 0487
0.257	0.257	CULVERT	N/A	
0.263	0.263	INTERSECTION	RIGHT	
0.333	0.333	INTERSECTION	LEFT	ROUTE 0446
0.333	0.333	INTERSECTION	RIGHT	ROUTE 0446
0.450	0.450	INTERSECTION	LEFT	END
0.459	0.459	CULVERT	N/A	
0.460	0.460			ROUTE ENDS AT END

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0487 : EMPLOYEE ACCESS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0485
0.002	0.002	INTERSECTION	LEFT	
0.009	0.009	INTERSECTION	RIGHT	ROUTE 0485
0.045	0.045	INTERSECTION	RIGHT	END
0.060	0.060			ROUTE ENDS AT END

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0488 : FIRE STATION ACCESS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0428
0.001	0.001	INTERSECTION	LEFT	ROUTE 0428
0.001	0.001	INTERSECTION	RIGHT	
0.013	0.013	INTERSECTION	LEFT	ROUTE 0931
0.014	0.014	INTERSECTION	RIGHT	
0.025	0.025	INTERSECTION	LEFT	ROUTE 0932
0.050	0.050			ROUTE ENDS AT END

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0489 : INN CABIN LOOP

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT END OF ROUTE 0201 RIGHT
0.001	0.001	INTERSECTION	LEFT	ROUTE 0973
0.008	0.008	INTERSECTION	RIGHT	END OF ROUTE 0201 RIGHT
0.014	0.014	INTERSECTION	LEFT	ROUTE 0490
0.055	0.055	INTERSECTION	RIGHT	ROUTE 0491
0.076	0.076	INTERSECTION	RIGHT	ROUTE 0491
0.200	0.200			ROUTE ENDS AT TURN LEFT TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0490 : CAMPGROUND STORE/ CONCESSION ACCESS ROAD

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0489
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0489
0.001	0.001	INTERSECTION	LEFT	
0.027	0.027	INTERSECTION	RIGHT	
0.057	0.057	CULVERT	N/A	
0.067	0.067	INTERSECTION	RIGHT	ROUTE 0998
0.068	0.068	INTERSECTION	LEFT	ROUTE 0998
0.070	0.070			ROUTE ENDS AT ROUTE 0998

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500 : VILLAGE LOOP DRIVE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT END OF ROUTE 0012
0.008	0.008	INTERSECTION	LEFT	END OF ROUTE 0012
0.015	0.048	CURB	LEFT	
0.020	0.020	INTERSECTION	RIGHT	ROUTE 0904A
0.028	0.028	DROP INLET	LEFT	
0.033	0.141	CURB	RIGHT	
0.035	0.035	DROP INLET	LEFT	
0.065	0.078	CURB	LEFT	
0.090	0.090	INTERSECTION	LEFT	ROUTE 0921
0.142	0.491	GUARD WALL	LEFT	
0.150	0.150	INTERSECTION	RIGHT	
0.179	0.179	INTERSECTION	RIGHT	ROUTE 0906
0.211	0.211	INTERSECTION	RIGHT	
0.253	0.272	CURB	RIGHT	
0.255	0.255	DROP INLET	RIGHT	
0.274	0.274	INTERSECTION	RIGHT	ROUTE 0906
0.288	0.304	CURB	RIGHT	
0.296	0.500	CURB	LEFT	
0.309	0.309	INTERSECTION	RIGHT	ROUTE 0907
0.351	0.351	INTERSECTION	RIGHT	
0.388	0.388	DROP INLET	LEFT	
0.395	0.395	INTERSECTION	RIGHT	ROUTE 0436
0.412	0.508	CURB	RIGHT	
0.424	0.424	INTERSECTION	RIGHT	
0.516	0.516	INTERSECTION	RIGHT	ROUTE 0015
0.521	0.682	CURB	RIGHT	
0.524	0.533	GUARD WALL	RIGHT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500 : VILLAGE LOOP DRIVE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.528	0.528	CULVERT	N/A	
0.533	0.533	RAILROAD CROSSING	RIGHT	
0.542	0.542	DROP INLET	RIGHT	
0.543	0.650	CURB	LEFT	
0.568	0.568	RAILROAD CROSSING	RIGHT	
0.569	0.569	CULVERT	N/A	
0.601	0.601	INTERSECTION	RIGHT	ROUTE 0501
0.655	0.655	INTERSECTION	LEFT	ROUTE 0908
0.662	0.721	CURB	LEFT	
0.688	0.688	INTERSECTION	RIGHT	ROUTE 0908
0.697	0.745	CURB	RIGHT	
0.751	0.751	INTERSECTION	RIGHT	ROUTE 0908
0.755	0.772	CURB	RIGHT	
0.772	0.772	RAILROAD CROSSING	RIGHT	
0.774	0.774	RAILROAD CROSSING	RIGHT	
0.775	0.851	CURB	RIGHT	
0.788	0.788	DROP INLET	RIGHT	
0.807	0.854	CURB	LEFT	
0.854	0.854	INTERSECTION	LEFT	ROUTE 0908
0.863	0.868	CURB	LEFT	
0.871	0.871	INTERSECTION	LEFT	ROUTE 0909
0.874	0.874	INTERSECTION	RIGHT	ROUTE 0426
0.880	0.880	INTERSECTION	RIGHT	ROUTE 0408
0.884	0.910	CURB	RIGHT	
0.901	1.012	CURB	LEFT	
0.913	0.913	INTERSECTION	RIGHT	ROUTE 0415
0.918	1.012	CURB	RIGHT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500 : VILLAGE LOOP DRIVE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.926	0.926	DROP INLET	RIGHT	
1.011	1.011	DROP INLET	RIGHT	
1.015	1.015	INTERSECTION	LEFT	ROUTE 0909
1.019	1.019	INTERSECTION	RIGHT	ROUTE 0910
1.024	1.097	CURB	RIGHT	
1.026	1.047	CURB	LEFT	
1.046	1.072	PULLOUT	RIGHT	
1.054	1.054	INTERSECTION	LEFT	ROUTE 0501
1.063	1.063	DROP INLET	RIGHT	
1.089	1.089	CULVERT	N/A	
1.092	1.092	DROP INLET	LEFT	
1.103	1.103	INTERSECTION	RIGHT	ROUTE 0016
1.111	1.125	CURB	LEFT	
1.112	1.112	DROP INLET	LEFT	
1.112	1.127	CURB	RIGHT	
1.116	1.116	CULVERT	N/A	
1.127	1.127	CURB	RIGHT	
1.129	1.129	DROP INLET	RIGHT	
1.129	1.148	CURB	LEFT	
1.147	1.147	INTERSECTION	RIGHT	DRIVE WAY
1.149	1.264	CURB	RIGHT	
1.150	1.150	INTERSECTION	LEFT	
1.151	1.151	DROP INLET	RIGHT	
1.153	1.183	CURB	LEFT	
1.189	1.258	CURB	LEFT	
1.264	1.264	DROP INLET	RIGHT	
1.266	1.266	INTERSECTION	RIGHT	ROUTE 0432

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500 : VILLAGE LOOP DRIVE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
1.267	1.267	CULVERT	N/A	
1.271	1.285	CURB	RIGHT	
1.281	1.281	CULVERT	N/A	
1.288	1.288	INTERSECTION	RIGHT	END @ ROUTE 0012
1.295	1.320	CURB	LEFT	
1.298	1.323	CURB	RIGHT	
1.320	1.320			ROUTE ENDS AT AROUND LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0501 : VILLAGE LOOP BYPASS

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0500
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0500
0.001	0.001	INTERSECTION	LEFT	
0.137	0.137	RAILROAD CROSSING	RIGHT	2 TRACKS
0.154	0.154	INTERSECTION	RIGHT	
0.199	0.199	INTERSECTION	RIGHT	
0.231	0.231	INTERSECTION	LEFT	
0.248	0.248	CULVERT	N/A	
0.271	0.271	INTERSECTION	RIGHT	
0.284	0.284	INTERSECTION	RIGHT	
0.291	0.291	INTERSECTION	LEFT	
0.304	0.304	INTERSECTION	RIGHT	ROUTE 0500
0.305	0.305	INTERSECTION	LEFT	ROUTE 0500
0.310	0.310			ROUTE ENDS AT ROUTE 0500

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0601 : ALBRIGHT AVENUE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT ROUTE 0409 AT MP 108
0.001	0.001	INTERSECTION	RIGHT	ROUTE 0409
0.001	0.001	INTERSECTION	LEFT	
0.018	0.018	INTERSECTION	RIGHT	
0.061	0.061	CULVERT	N/A	
0.095	0.095	INTERSECTION	LEFT	ROUTE 0928
0.096	0.096	INTERSECTION	RIGHT	ROUTE 0408
0.135	0.135	INTERSECTION	LEFT	
0.142	0.142	INTERSECTION	RIGHT	ROUTE 0416
0.158	0.158	CULVERT	N/A	
0.287	0.287	INTERSECTION	LEFT	ROUTE 0202
0.289	0.289	INTERSECTION	RIGHT	ROUTE 0422
0.388	0.388	INTERSECTION	LEFT	ROUTE 0929
0.389	0.389	INTERSECTION	RIGHT	ROUTE 0429
0.403	0.403	CULVERT	N/A	
0.488	0.488	INTERSECTION	RIGHT	ROUTE 0930
0.515	0.515	INTERSECTION	LEFT	ROUTE 0204
0.557	0.557	INTERSECTION	RIGHT	ROUTE 0930
0.579	0.579	INTERSECTION	LEFT	ROUTE 0204
0.607	0.607	CULVERT	N/A	
0.610	0.610	INTERSECTION	LEFT	END @ ROUTE 016
0.612	0.612	INTERSECTION	RIGHT	END @ ROUTE 016
0.620	0.620			ROUTE ENDS AT ROUTE 0016

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
8210	Numeric Code for Grand Canyon National Park
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
CRS	Condition Rating Sheets. (Section 5)
Drainage Condition Rating	A visual rating (Good, Poor) of the drainage condition. (see Section 10)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value between 61 and 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value between 85 and 94
GRCA	Alpha Code for Grand Canyon National Park
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) = $32 * [5 * e^{(-0.0041 * average\ IRI)}]$

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

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

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

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

Parking Lot and Manually Rated Road Condition Rating

Surface Condition Distresses- Chip Seal:

Raveling – loss of surface rock chips revealing previous surface

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

Rutting

Potholes/Patching

Ratings - Chip Seal:

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

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

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

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

Surface Condition - Asphalt:

Cracking of any type

Rutting

Potholes/Patching

Ratings - Asphalt:

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

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

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

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

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

Excellent	97
Good	90
Fair	73
Poor	45

Drainage Condition Rating Definitions

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

Drainage Condition Rating Criteria

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

Good Drainage

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

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

Poor Drainage

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

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

Shoulder Condition Rating Definitions

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

Shoulder Rating Criteria

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

Good Shoulders

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

Poor Shoulder

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

APPENDIX C: DIGITAL IMAGE INFORMATION

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

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

APPENDIX D: METADATA

ARAN ROUTE GPS DATA

Background information of route spatial data.

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

Data Collection Device:

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

Accuracy: Expected ground accuracy is 1 meter *

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

Geographic Datum: WGS 1984

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

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

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

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

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

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

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

Specific Caveats

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

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

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

Key to Notes in Tables

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

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

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

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

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

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

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

Access Database Metadata

Master Table Metadata:

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

PMS_Feature Table Metadata:

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

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

PMS 20, PMS Mile & PMS Visidata Tables Metadata:

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

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

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

Cycle 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

grca_seg

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: grca_seg

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Routes

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -112.209435

East_Bounding_Coordinate: -111.804222

North_Bounding_Coordinate: 36.337780

South_Bounding_Coordinate: 35.968178

Keywords:

Theme:

Theme_Keyword_Thesaurus: GRCA

Theme_Keyword: GRCA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for routes

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 474

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: grca_seg

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: FNODE_

Attribute_Definition: Length of feature

Attribute_Definition_Source: ESRI

Attribute:

Attribute_Label: TNODE_

Attribute:

Attribute_Label: LPOLY_

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RPOLY_

Attribute_Definition: Collected route length

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: LENGTH

Attribute_Definition:

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

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0

Range_Domain_Maximum: 100

Attribute:

Attribute_Label: GRCA_SEG_

Attribute_Definition: Verbal PCR definition based on value in PCRAV field

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: POOR

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

Attribute:

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

Attribute:

Attribute_Label: ID

Attribute:

Attribute_Label: RTE_NO

Attribute:

Attribute_Label: BMP

Attribute:

Attribute_Label: EMP

Attribute:

Attribute_Label: PCR

Attribute:

Attribute_Label: PCR_RATE

Attribute:

Attribute_Label: RT_LENGTH

Attribute:

Attribute_Label: PCRMI

Attribute:

Attribute_Label: PCR_RATEMI

Attribute:

Attribute_Label: PCR_RATEAV

Attribute:

Attribute_Label: PCRAV

Attribute:

Attribute_Label: TSR_EDIT

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20060116
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>
Profile_Name: ESRI Metadata Profile

Generated by [mp](#) version 2.7.33 on Mon Jan 16 11:14:59 2006

grca_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: grca_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: 9/29/1999

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -112.210533

East_Bounding_Coordinate: -111.825265

North_Bounding_Coordinate: 36.335236

South_Bounding_Coordinate: 35.978924

Keywords:

Theme:

Theme_Keyword_Thesaurus: GRCA

Theme_Keyword: GRCA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

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

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

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

*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* G-polygon*Point_and_Vector_Object_Count:* 153

*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:* grca_pkg_03*Attribute:**Attribute_Label:* FID*Attribute_Definition:* Internal feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:*

Sequential unique whole numbers that are automatically generated.

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

Attribute_Definition: Feature area in square feet

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.018

Metadata_Reference_Information:

Metadata_Date: 20060116

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: EFLHD Sterling

Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

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

Profile_Name: ESRI Metadata Profile

Generated by [mp](#) version 2.7.33 on Mon Jan 16 11:15:53 2006

grca_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: grca_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:

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

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -112.210533

East_Bounding_Coordinate: -111.825265

North_Bounding_Coordinate: 36.335236

South_Bounding_Coordinate: 35.978924

Keywords:

Theme:

Theme_Keyword_Thesaurus: GRCA

Theme_Keyword: GRCA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for parking areas

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: G-polygon

Point_and_Vector_Object_Count: 153

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: grca_pkg_03_map

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NAME

Attribute_Definition: Route name

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: FEATURE

Attribute:

Attribute_Label: SURF_TYPE

Attribute_Definition: Surface type of route

Attribute_Domain_Values:

Attribute:

Attribute_Label: CONDITION

Attribute_Definition: Condition rating for route

Attribute:

Attribute_Label: PHOTOS

Attribute_Definition: Photo filename associated with feature

Attribute:

Attribute_Label: COMMENT

Attribute_Definition: Field comment

Attribute:

Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS collection

Attribute:

Attribute_Label: DATAFILE

Attribute:

Attribute_Label: SQ_FT

Attribute_Definition: Feature area in square feet

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.018

Metadata_Reference_Information:

Metadata_Date: 20060116

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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Non_NPS

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: Non_NPS

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: non-NPS roads

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -112.137289

East_Bounding_Coordinate: -111.826445

North_Bounding_Coordinate: 36.050565

South_Bounding_Coordinate: 36.037963

Keywords:

Theme:

Theme_Keyword_Thesaurus: GRCA

Theme_Keyword: GRCA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for non-NPS roads

Lineage:

Source_Information:

Type_of_Source_Media: Heads-up digitized

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 2

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Non_NPS

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: Id

Attribute_Definition: Name of road if available

Attribute:

Attribute_Label: Name

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.008

Metadata_Reference_Information:

Metadata_Date: 20060116

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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grca_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: grca_mrl_03

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Manually Rated Roads - Lines

Purpose: Road Inventory Program

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 6/5/2003

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -112.061877

East_Bounding_Coordinate: -111.827353

North_Bounding_Coordinate: 36.211597

South_Bounding_Coordinate: 36.039086

Keywords:

Theme:

Theme_Keyword_Thesaurus: GRCA

Theme_Keyword: GRCA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

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

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

*Data_Quality_Information:**Attribute_Accuracy:**Attribute_Accuracy_Report:* Good*Completeness_Report:* Complete for parking areas*Lineage:**Source_Information:**Type_of_Source_Media:* GPS*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:**SDTS_Point_and_Vector_Object_Type:* String*Point_and_Vector_Object_Count:* 2*Spatial_Reference_Information:**Horizontal_Coordinate_System_Definition:**Geographic:**Latitude_Resolution:* 0.000000*Longitude_Resolution:* 0.000000*Geographic_Coordinate_Units:* Decimal degrees*Geodetic_Model:**Horizontal_Datum_Name:* North American Datum of 1927*Ellipsoid_Name:* Clarke 1866*Semi-major_Axis:* 6378206.400000*Denominator_of_Flattening_Ratio:* 294.978698

*Entity_and_Attribute_Information:**Detailed_Description:**Entity_Type:**Entity_Type_Label:* grca_mrl_03*Entity_Type_Definition_Source:* GPS*Attribute:**Attribute_Label:* FID*Attribute_Definition:* Internal feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Enumerated_Domain:**Unrepresentable_Domain:*

Sequential unique whole numbers that are automatically generated.

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

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

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

*Metadata_Reference_Information:**Metadata_Date:* 20060116*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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grca_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: grca_mrl_03_map

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Copy of Manually Rated Roads - Lines

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 6/5/2003

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -112.061867

East_Bounding_Coordinate: -111.827361

North_Bounding_Coordinate: 36.211630

South_Bounding_Coordinate: 36.039093

Keywords:

Theme:

Theme_Keyword_Thesaurus: GRCA

Theme_Keyword: GRCA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for parking areas

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 2

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: grca_mrl_03_map

Entity_Type_Definition_Source: GPS

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Enumerated_Domain:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route Number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NAME

Attribute_Definition: Route Name

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: SECTION_

Attribute_Definition: Route Section ID

Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection

Attribute:

Attribute_Label: SURF_TYPE

Attribute_Definition: Surface type of route

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: CONDITION

Attribute_Definition: Condition rating

Attribute_Domain_Values:

Attribute:

Attribute_Label: COMMENT

Attribute_Definition: Field comment

Attribute:

Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS Collection

Attribute:

Attribute_Label: DATAFILE

Attribute:

Attribute_Label: PAVE_WIDTH
Attribute_Definition: Width of the paved area

Attribute:

Attribute_Label: PAVED_MI
Attribute_Definition: Calculated paved miles

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.037

Metadata_Reference_Information:

Metadata_Date: 20060116

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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grca_mi_pt

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: grca_mi_pt

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Mile Points

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: Not Available

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -112.198193

East_Bounding_Coordinate: -111.805446

North_Bounding_Coordinate: 36.337780

South_Bounding_Coordinate: 35.969370

Keywords:

Theme:

Theme_Keyword_Thesaurus: GRCA

Theme_Keyword: GRCA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD Sterling

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for mile points

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Entity point

Point_and_Vector_Object_Count: 197

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: grca_mi_pt

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: RIP_CYCLE

Attribute_Definition: 3, for data collection cycle 3

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: STATE

Attribute_Definition: State where route is located

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: PARK_ALPHA

Attribute_Definition: Park alpha code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: PARK_NO

Attribute_Definition: Park numeric code

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RTE_NO

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: FUNCT_CLAS

Attribute_Definition: Route functional class

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: DIRECTION

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

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: BEG_MP

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

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: END_MP

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

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: INT_LENGTH

Attribute_Definition: Length of road interval as aggregated from data table

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: RTE_LENGTH

Attribute_Definition: Collected route length

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: NO_LANES

Attribute_Definition: Number of lanes in route

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: LANE_NO

Attribute_Definition: Data collection lane

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: WX_LANE_WI

Attribute_Definition: WiseCrax (crack detection software) analysis width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: LANE_WIDTH

Attribute_Definition: Width of lane

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: PAVE_WIDTH

Attribute_Definition: Full pavement width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SHLD_WIDTH

Attribute_Definition: Left shoulder width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SHLD_WID_1

Attribute_Definition: Right shoulder width

Attribute_Definition_Source: Contractor Post-processing

Attribute:

Attribute_Label: SHLD_COND_

Attribute_Definition: Left shoulder condition

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: SHLD_COND1

Attribute_Definition: Right shoulder condition

Attribute_Definition_Source: ARAN Data Collection

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

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

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

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

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

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

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

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

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

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

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

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

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

Attribute_Definition_Source: Contractor Post-processing

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Attribute:

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

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.030

Metadata_Reference_Information:

Metadata_Date: 20060116

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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grca_mi

Metadata also available as

Metadata:

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

Identification_Information:

Citation:

Citation_Information:

Originator: The TSR Group

Publication_Date: 2005

Title: grca_mi

Geospatial_Data_Presentation_Form: vector digital data

Online_Linkage: Not Available

Description:

Abstract: Routes

Purpose: Road Inventory Program

Supplemental_Information:

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

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2005

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As per RIP cycle

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -112.209435

East_Bounding_Coordinate: -111.804222

North_Bounding_Coordinate: 36.337780

South_Bounding_Coordinate: 35.968178

Keywords:

Theme:

Theme_Keyword_Thesaurus: GRCA

Theme_Keyword: GRCA

Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Dan VanGilder

Contact_Organization: EFLHD

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 21400 Ridgetop Circle

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Native_Data_Set_Environment:

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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Good

Completeness_Report: Complete for routes

Lineage:

Source_Information:

Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 172

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: grca_mi

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: FNODE_

Attribute_Definition: Length of feature

Attribute_Definition_Source: ESRI

Attribute:

Attribute_Label: TNODE_

Attribute:

Attribute_Label: LPOLY_

Attribute_Definition: Route number

Attribute_Definition_Source: Route ID Meeting

Attribute:

Attribute_Label: RPOLY_

Attribute_Definition: Collected route length

Attribute_Definition_Source: ARAN Data Collection

Attribute:

Attribute_Label: LENGTH

Attribute_Definition: Numeric PCR definition

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0

Range_Domain_Maximum: 100

Attribute:

Attribute_Label: GRCA_MI_

Attribute_Definition: Verbal PCR definition

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: POOR

Enumerated_Domain_Value_Definition: PCR value <= 60

Enumerated_Domain:

Enumerated_Domain_Value: FAIR

Enumerated_Domain_Value_Definition: PCR value 61-84

Enumerated_Domain:

Enumerated_Domain_Value: GOOD

Enumerated_Domain_Value_Definition: PCR value 85-94

Enumerated_Domain:

Enumerated_Domain_Value: EXCELLENT

Enumerated_Domain_Value_Definition: PCR value 95-100

Attribute:

Attribute_Label: GRCA_MI_ID

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

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition: No edit made to feature.

Attribute:

Attribute_Label: ID

Attribute:

Attribute_Label: RTE_NO

Attribute:

Attribute_Label: BMP

Attribute:

Attribute_Label: EMP

Attribute:

Attribute_Label: PCR

Attribute:

Attribute_Label: PCR_RATE

Attribute:

Attribute_Label: RT_LENGTH

Attribute:

Attribute_Label: PCRMI

Attribute:

Attribute_Label: PCR_RATEMI

Attribute:

Attribute_Label: PCR_RATEAV

Attribute:

Attribute_Label: PCRAV

Attribute:

Attribute_Label: TSR_EDIT

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.016

Metadata_Reference_Information:

Metadata_Date: 20060116

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: EFLHD Sterling

Contact_Person: Dan VanGilder

Contact_Position: GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

City: Sterling

State_or_Province: Virginia

Postal_Code: 20166

Country: United States

Contact_Voice_Telephone: 703-404-6361

Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

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

Profile_Name: ESRI Metadata Profile

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