



# The Road Inventory of Grand Canyon National Park



national park service



## Road Inventory Program

Prepared By:  
Federal Highway Administration  
Eastern Federal Lands Highway Division  
June 2000

SCANNED  
2/20/2002

PLEASE RETURN TO:

TECHNICAL INFORMATION CENTER  
DENVER SERVICE CENTER  
NATIONAL PARK SERVICE





U. S. Department  
of Transportation

**Federal Highway  
Administration**

Eastern Federal Lands  
Highway Division

21400 Ridgetop Circle  
Sterling, VA 20166-6511

MAILED - 9 2000

Refer to: HTS-15

Mr. Robert Arnberger  
Superintendent  
Grand Canyon National Park  
National Park Service  
P.O. Box 129  
Grand Canyon, AZ 86023

Dear Mr. Arnberger:

Enclosed for your use are three copies of the final Road Inventory Report for the Grand Canyon National Park, prepared by the Federal Highway Administration's Road Inventory Program (RIP) Team.

Overall, the condition of the roads in the Park range from excellent to poor. A total of 8.14 miles of roadway (9.3%) in the Park were identified as poor condition. Any road with a Pavement Condition Rating (PCR) of less than 60 is rated as poor. The poor rated roads are dispersed throughout the Park. Some of the poor rated roads are Route 011, Desert View Drive; Route 015, Hermit Rest Road; Route 160, Rowe Well Road; Route 408, Coconino Road; and Route 409, Boulder Street. The low ratings are due to a high incidence of transverse cracking, rutting and roughness. Many of the poor rated roads were just below the 60 rating threshold for a poor rating. The PCR values will help you identify and prioritize the roads requiring repairs. In calculating the PCR's we have used a new computer program that automatically counts and classifies each pavement crack. This has significantly reduced the number of man hours in the report production and has given very repeatable results.

The above referenced routes have been identified as having a poor rating which indicates the need to make some repairs or reconstruction. The park should review these routes and determine if they should be programmed for reconstruction/rehabilitation/or repair within the next few years. Please discuss this project with your Regional FLPH Coordinator for consideration under the next project call for Park Roads and Parkways program funding. This project should be discussed at the annual Federal Lands Highway program meeting scheduled for your Region.

We have also enclosed one copy of the video tape and one CD with the collected data for the Park. If additional copies are required, please advise.

Again, we thank you for your cooperation and assistance provided by you and your staff in helping us with this endeavor. Please direct all your comments and recommended changes to the report to Mr. James A. Amenta, RIP Coordinator, at (703) 404-6366.

Sincerely yours,



Eduardo Calderon,  
Technical Services Engineer

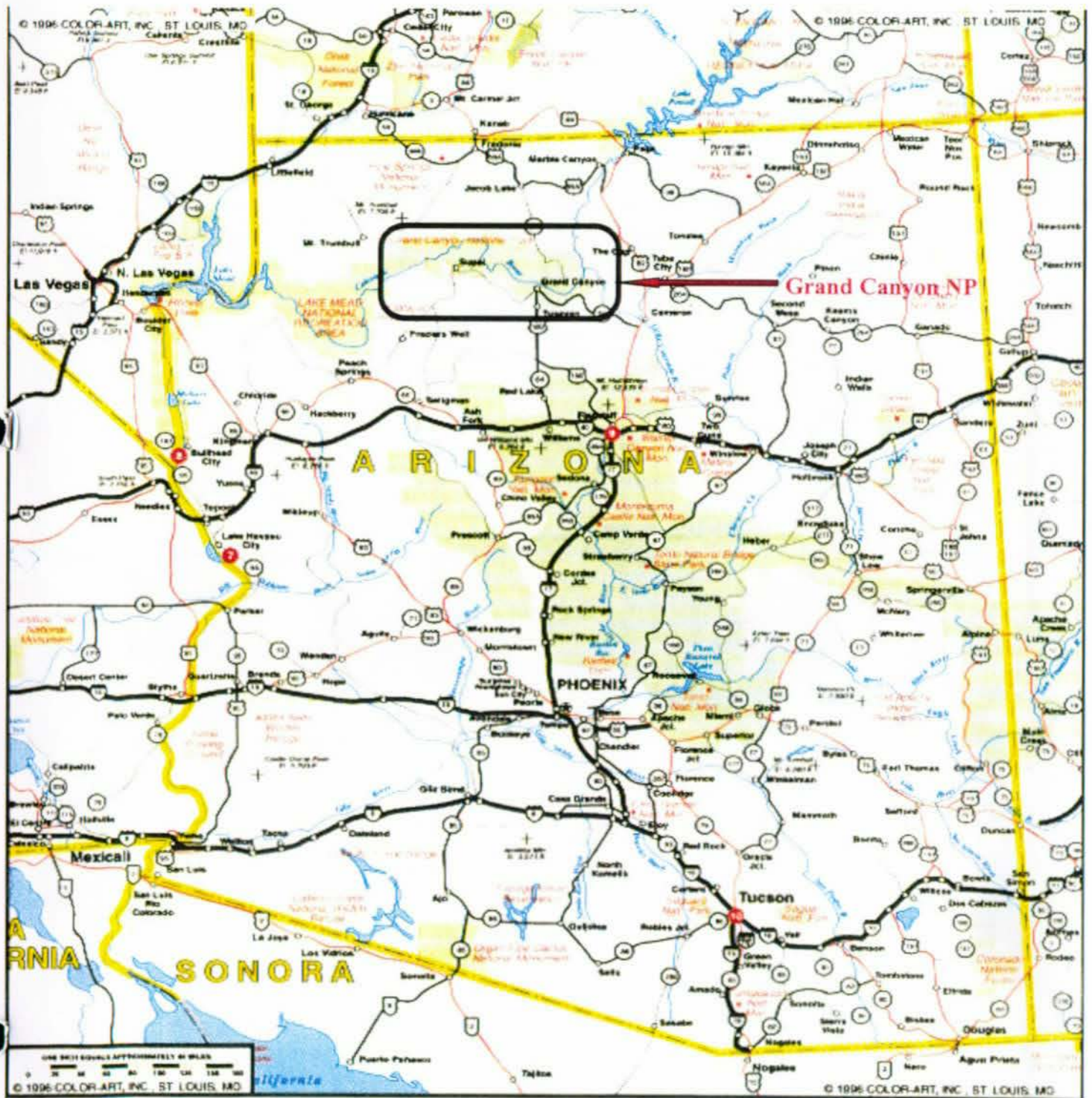
Enclosures

cc:

Mr. Mark Hartsoe, NPS RIP Coordinator, NPS, Washington, DC (w/additional enclosures for FOTSC and TIC, previously provided to Mr. Bill Cottrill)  
Mr. Dick Engle, Pacific West RIP Coordinator, NPS, San Francisco, CA (w/enclosure)  
Mr. Jim Kennedy, CFLHD, RIP Team Leader, Denver, CO (w/enclosure)  
Mr. Don Patrick, Park Roads & Parkways Program Engineer, FLH, Washington, DC (w/enclosure)



# Grand Canyon National Park in Arizona







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## INTRODUCTION

**Background:** In July 1976, amended December 1980, The National Park Service (NPS) and the Federal Highway Administration (FHWA) entered into a Memorandum of Agreement (MOA), establishing the Road Inventory Program (RIP). The purpose of RIP, per the 1980 MOA, was to develop long range and short range costs and programs to bring NPS roads up to, or to maintain, designated standards; as well as provide a database so the NPS can revise their Maintenance Management System, if necessary.

Since 1984 the funding has been derived from the NPS FLHP (Title 23) planning funds and coordinated by the National Park Service Park Facility Management Division. The need for a total road information data base was mandated by the requirements for continuing, comprehensive, and coordinated (3-C) planning process and Maintenance Management System.

The Federal Lands Highway (FLH) was assigned the task to inventory maintenance items (pavement type and quantities; location of culverts, signs, guardrail, etc.), identify pavement distresses and evaluate the condition of existing park roads, summarize the data and findings in a report, and provide a videolog of the NPS roads system.

**Objective:** The objective of the RIP report is to provide NPS personnel at all levels with the basic information needed for effective road and road system planning, management, operations, and maintenance. This information will be documented in a Blue Book for each park, which will replace the old Brown Books.

The Blue Book reports will be in a standard format and content with comprehensive data analysis for each park. The data presented in each report will vary greatly from park to park, but the presentation of the report will be uniform in format. Therefore, the Blue Book will become a seamless document throughout the park system displaying site specific data for each park.

**Scope:** The Road Inventory Program is a national program coordinated by the FHWA for the NPS. The FHWA goal for the paved park roads is stated as "the quality, standard and condition of the paved portion of park roads and parkways that serves the resource goals of the National Park System does not deteriorate further over the next five years".

In an effort to track the condition of the park roads, per the FHWA goal, a cyclic data collection and reporting process was implemented for all parks and regions. Monitoring the condition and system performance of the paved roads over time using a percent good, fair, and poor condition rating provided a realistic means of assessing the funding needs for road improvements. The pavement condition rating system is described in Section IX of this report. This pavement condition performance assessment will determine the level of paved park road deterioration throughout the park road system as identified in the FHWA goal.

The report will include a Park Summary, a Park Summary Map, a Park Route Inventory, a Maintenance Features Summary, a Paved Route Condition Rating and a Features

Inventory. Also included is a listing of all unpaved routes in each park and various Appendices.

The FHWA highway engineers and technicians inspect, rate, inventory the roads, and prepare the final reports for distribution to the National Park Service. All the field work is coordinated with the site specific park and the regional offices to ensure customer satisfaction. The FHWA Washington office coordinates policy and prepares national reports and needs assessment studies to congress.

The FHWA is responsible for all the data presented in this report. Anyone having questions or comments regarding the contents of this report are encouraged to contact the FHWA RIP Coordinator or the NPS RIP Coordinator in your Cluster Support Office.

FHWA RIP Coordinator:

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



## Grand Canyon National Park Summaries

### Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
PAVED ROUTE MILES	94.66	10/99
UNPAVED ROUTE ESTIMATED MILES	68.94	10/99
PAVED AND UNPAVED ROUTE MILES	163.60	10/99
PARKING LOT LANE MILES	65.73	10/99
PAVED LANE MILES	185.81	10/99
DEFICIENT LANE MILES	25.39	10/99

Note: Paved and Deficient Lane Miles includes parking lot areas which have been converted to lane miles using an 11-foot lane width.

### Estimated Unpaved Mileage Summary By Functional Class

F. C.	MILEAGE	PERCENTAGE
I	48.96	71%
II	6.87	10%
III	0	0%
IV	13.11	19%
V	0	0%
VI	0	0%
VII	0	0%
VIII	0	0%

## Grand Canyon National Park Summaries

### Cost to Improve to "Excellent" Condition

Based on Historic and Estimated Data

AWARD DATE	SOURCE	WORK PERFORMED	LENGTH (MILES)	COST	COST PER MILE	INITIAL CONDITION
1995-97	FHWA Projects	3-R (Resurfacing)	52.07	\$3,776,479	\$72,527	Good
1995-97	FHWA Projects	3-R (Resurfacing, Restoration, and Rehabilitation) Projects	0.76	\$497,898	\$655,129	Fair
1998	FHWA Current Projects	4-R (Resurfacing, Restoration, Rehabilitation, and Reconstruction) Projects	11.26	\$11,324,002	\$1,005,684	Poor

Based on the above table, the cost to improve existing condition miles to "Excellent" PCR are:

Existing Condition	Existing Miles	Estimated Cost to Improve
Excellent	0.84	\$0
Good	30.16	\$2,187,413
Fair	41.20	\$26,991,313
Poor	8.14	\$8,186,268
<b>Totals</b>	<b>80.34</b>	<b>\$37,364,994</b>

## Grand Canyon National Park Summaries

### Paved Route Miles and Percentages by Functional Class and PCR

F. C.	Pavement Condition Rating (PCR)									TOTAL MILES
	Excellent (95-100)		Good (85-94)		Fair (61-84)		Poor (<=60)		NO DATA	
	MILES	%	MILES	%	MILES	%	MILES	%		
I	0.82	1.06%	29.76	38.56%	38.02	49.26%	6.76	8.76%	1.82	77.18
II	0	0.00%	0.18	6.67%	1.48	54.81%	0.5	18.52%	0.54	2.70
III	0	0.00%	0	0.00%	0.38	18.63%	0.1	4.90%	1.56	2.04
IV	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0
V	0.02	0.33%	0.22	3.62%	1.32	21.71%	0.78	12.83%	3.74	6.08
VI	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0
VII	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0
VIII	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0
<b>Totals</b>	<b>0.84</b>	<b>0.95%</b>	<b>30.16</b>	<b>34.27%</b>	<b>41.20</b>	<b>46.82%</b>	<b>8.14</b>	<b>9.25%</b>	<b>7.66</b>	<b>88.00</b>

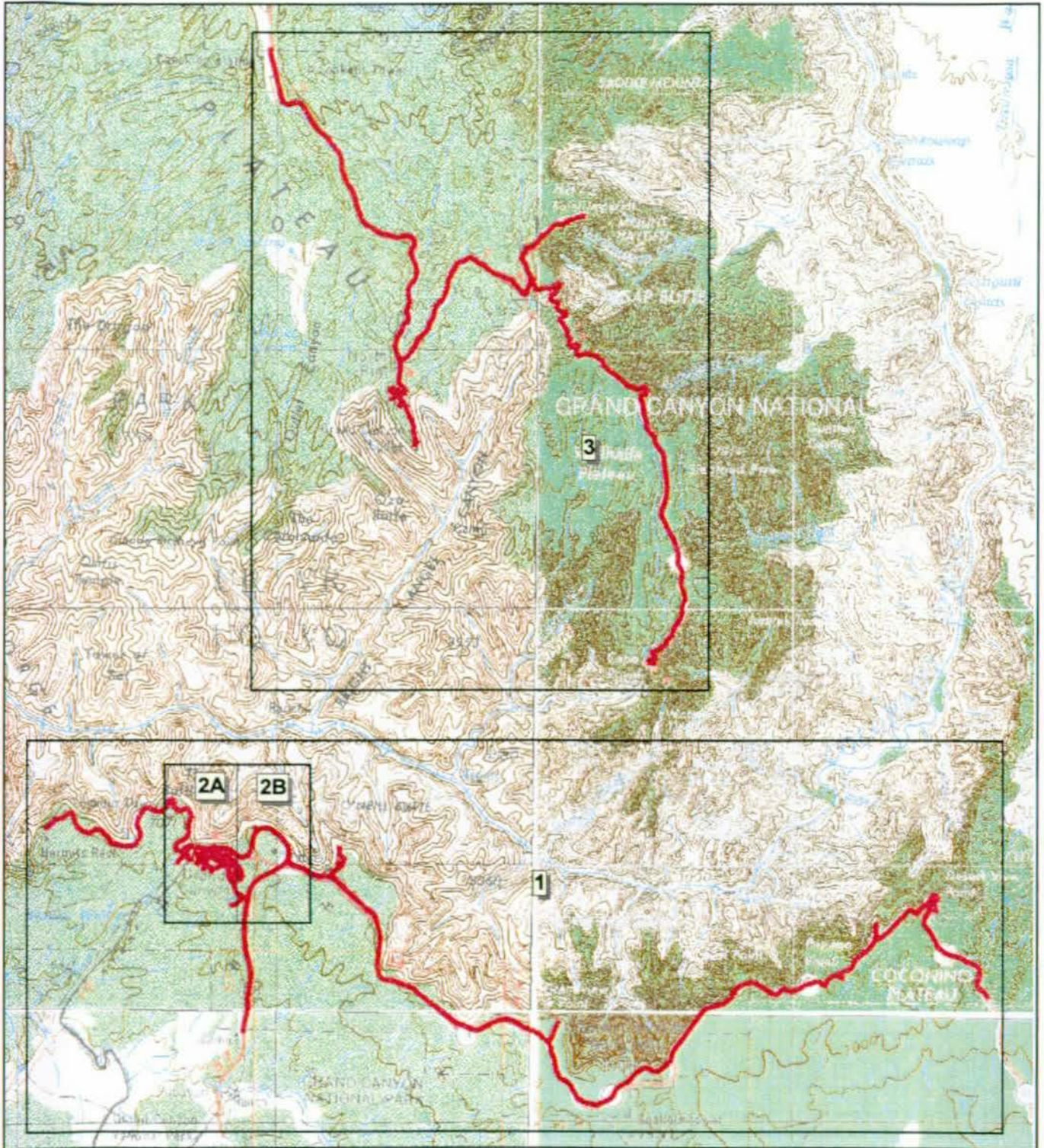
Includes paved roads visually rated that were not driven with the ARAN.

### Paved Lane Miles (Parking Areas)

F. C.	Visual Condition Rating								TOTAL LANE MILES
	Excellent		Good		Fair		Poor		
	LANE MILES	%	LANE MILES	%	LANE MILES	%	LANE MILES	%	
-		0.00%	6.76	10.28%	49.92	75.95%	9.05	13.77%	65.73

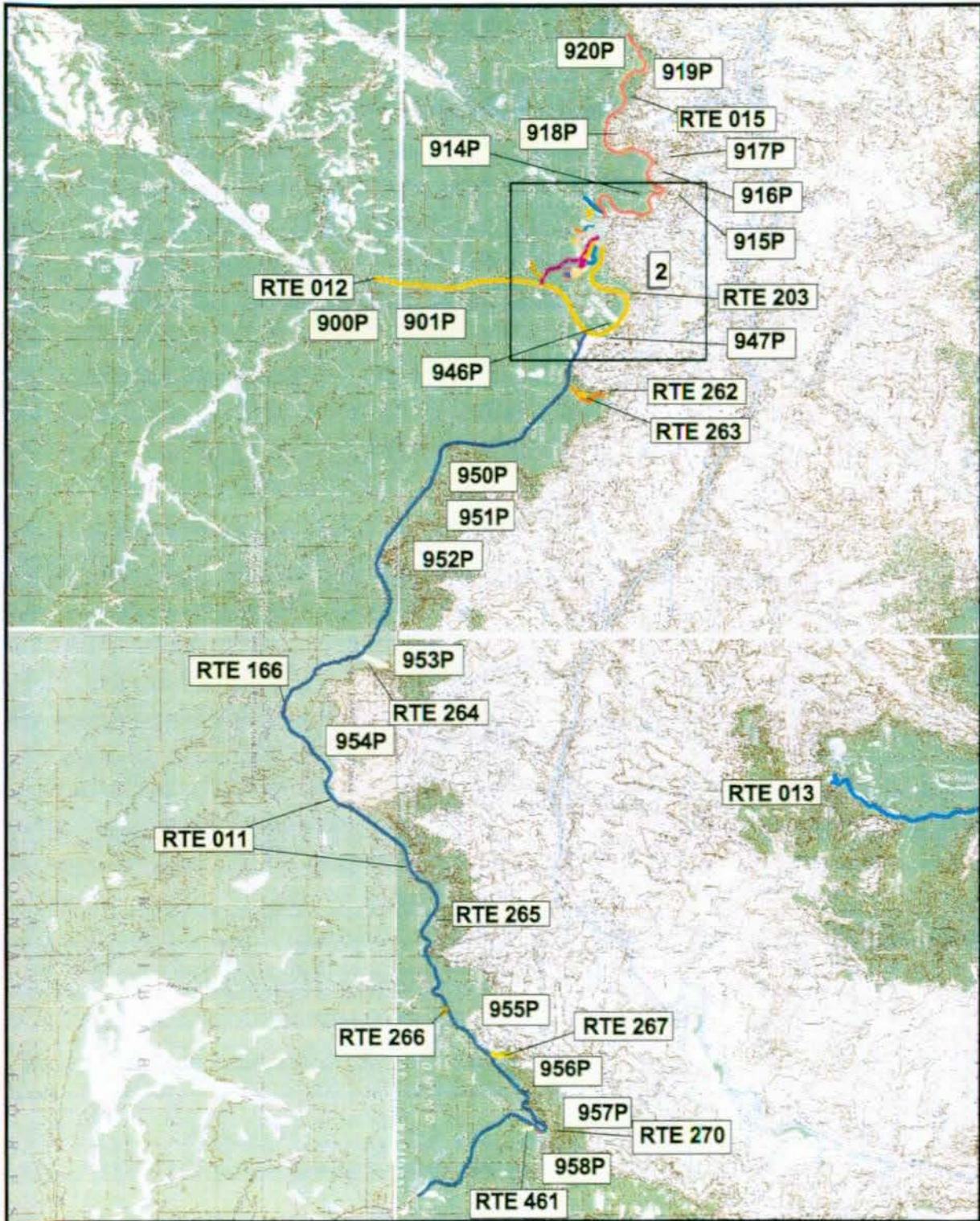


# GRAND CANYON NATIONAL PARK ROUTE LOCATION KEY MAP



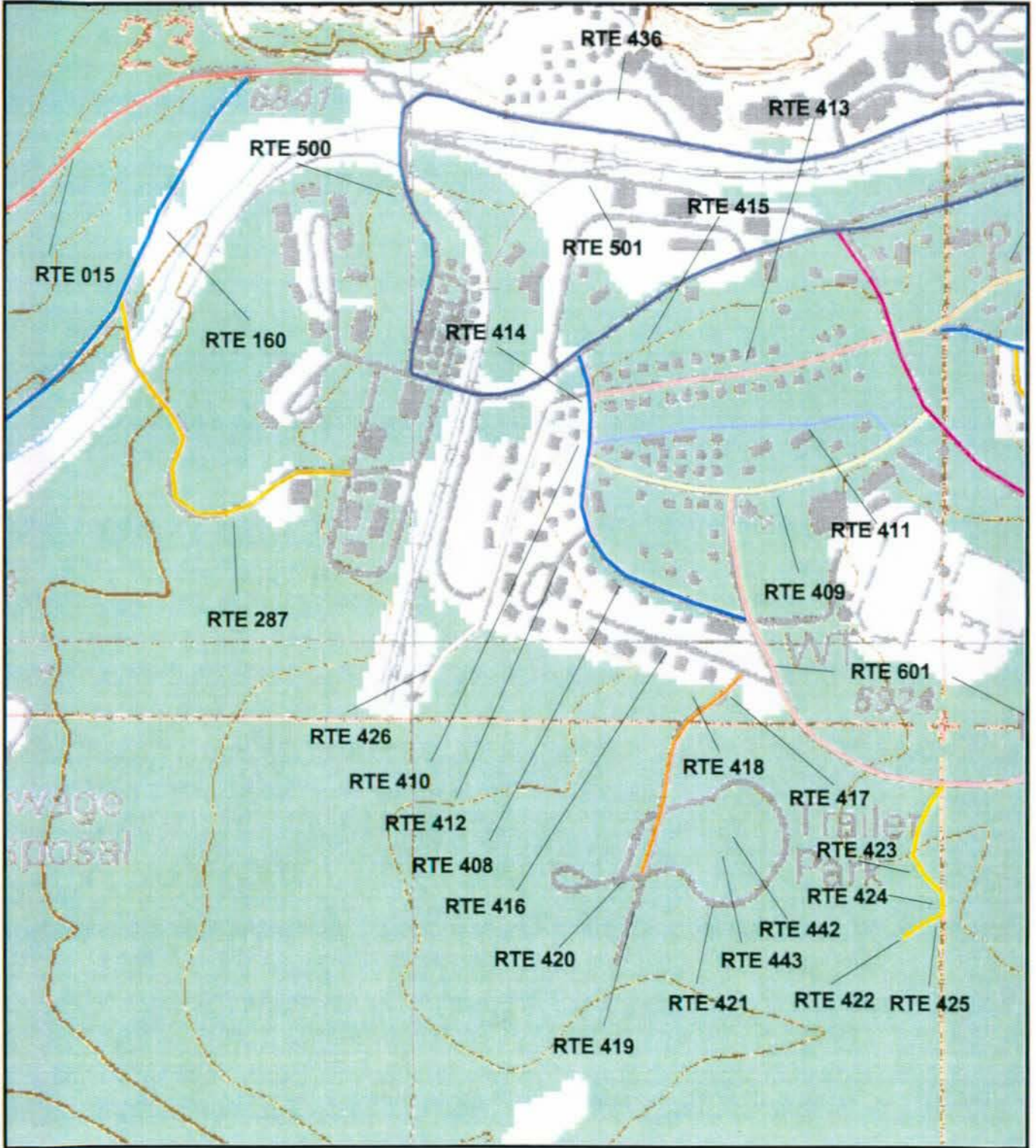


GRAND CANYON NATIONAL PARK  
ROUTE LOCATION  
AREA MAP #1



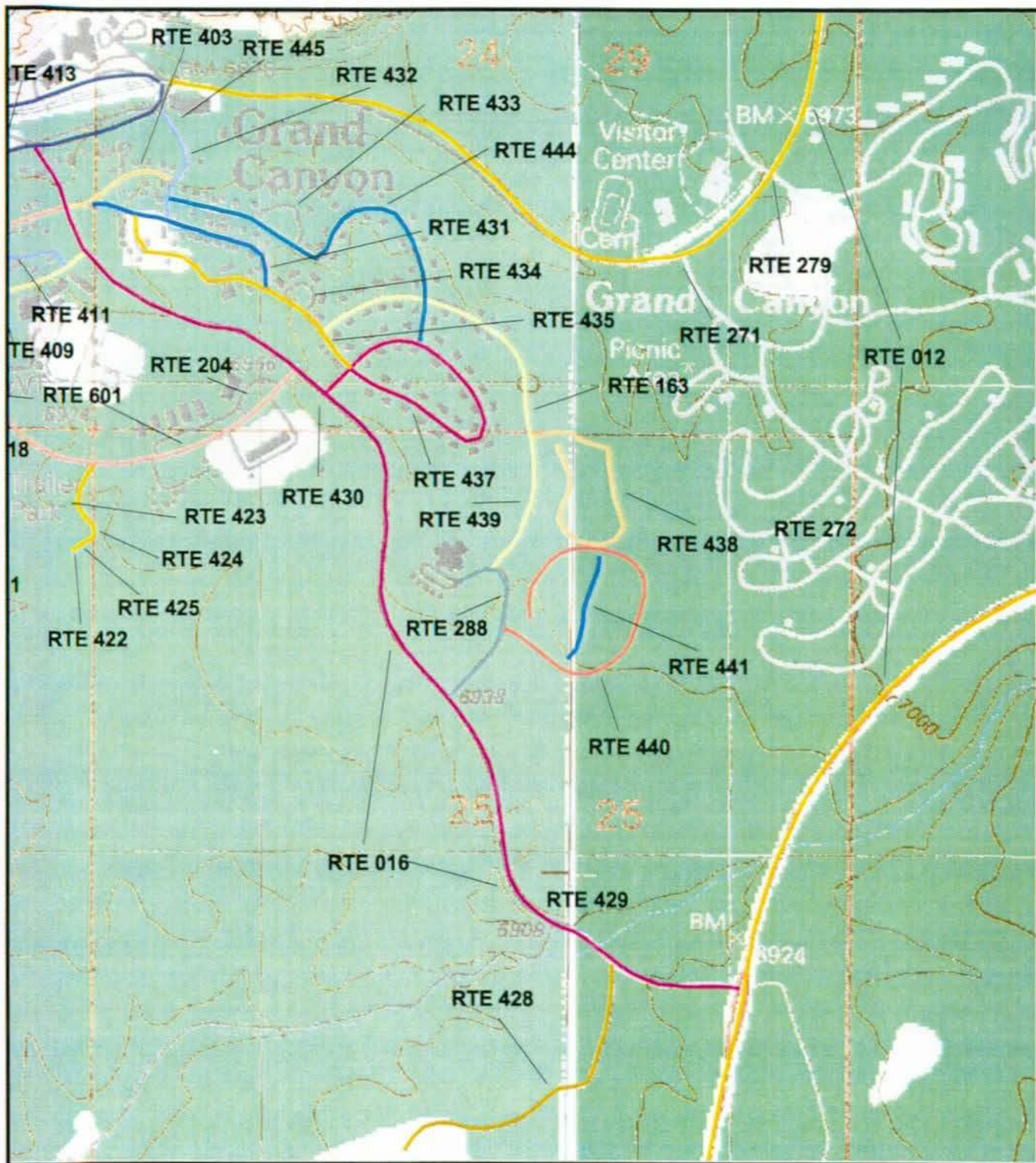


GRAND CANYON NATIONAL PARK  
ROUTE LOCATION  
AREA MAP #2A



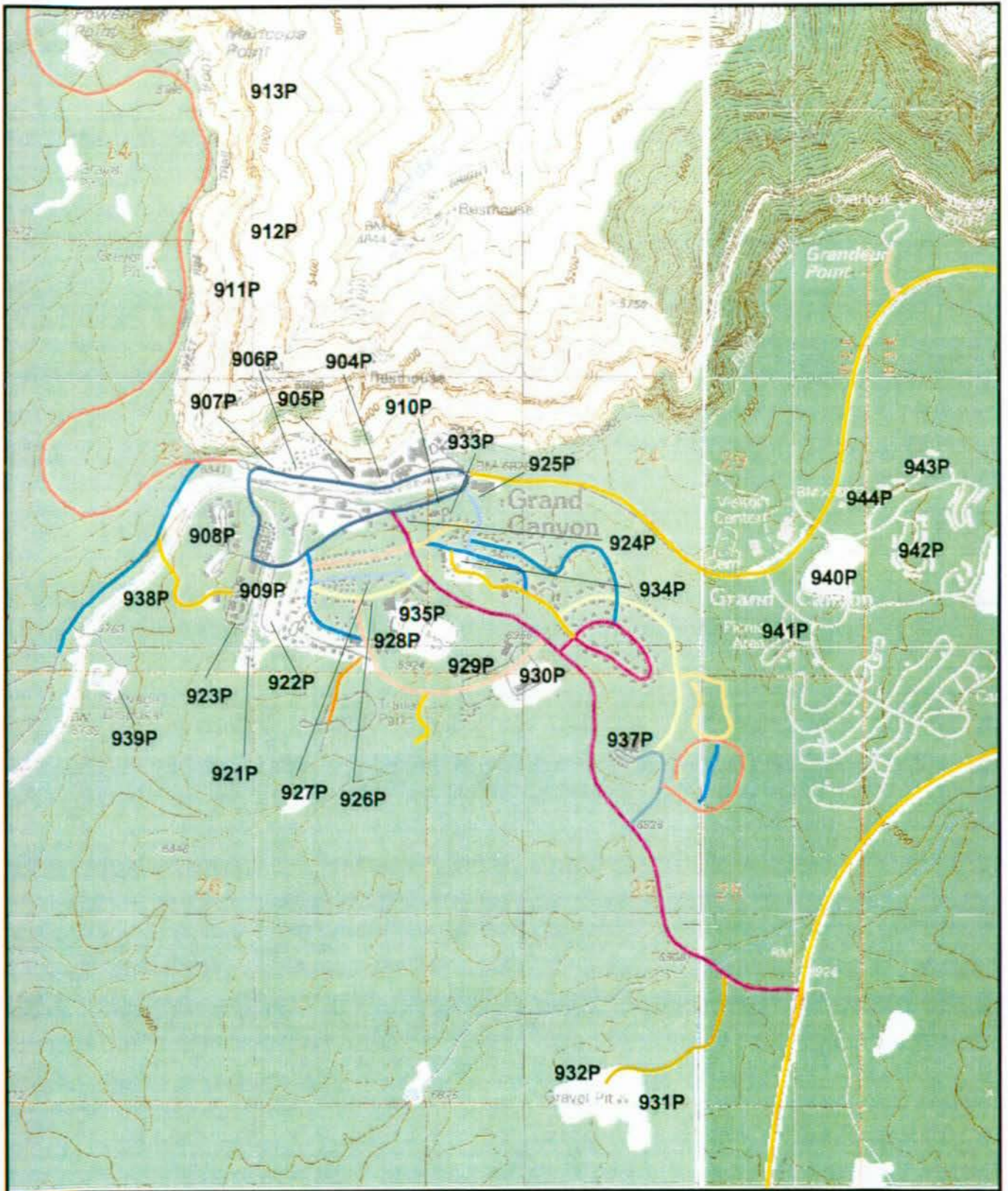


# GRAND CANYON NATIONAL PARK ROUTE LOCATION AREA MAP #2B



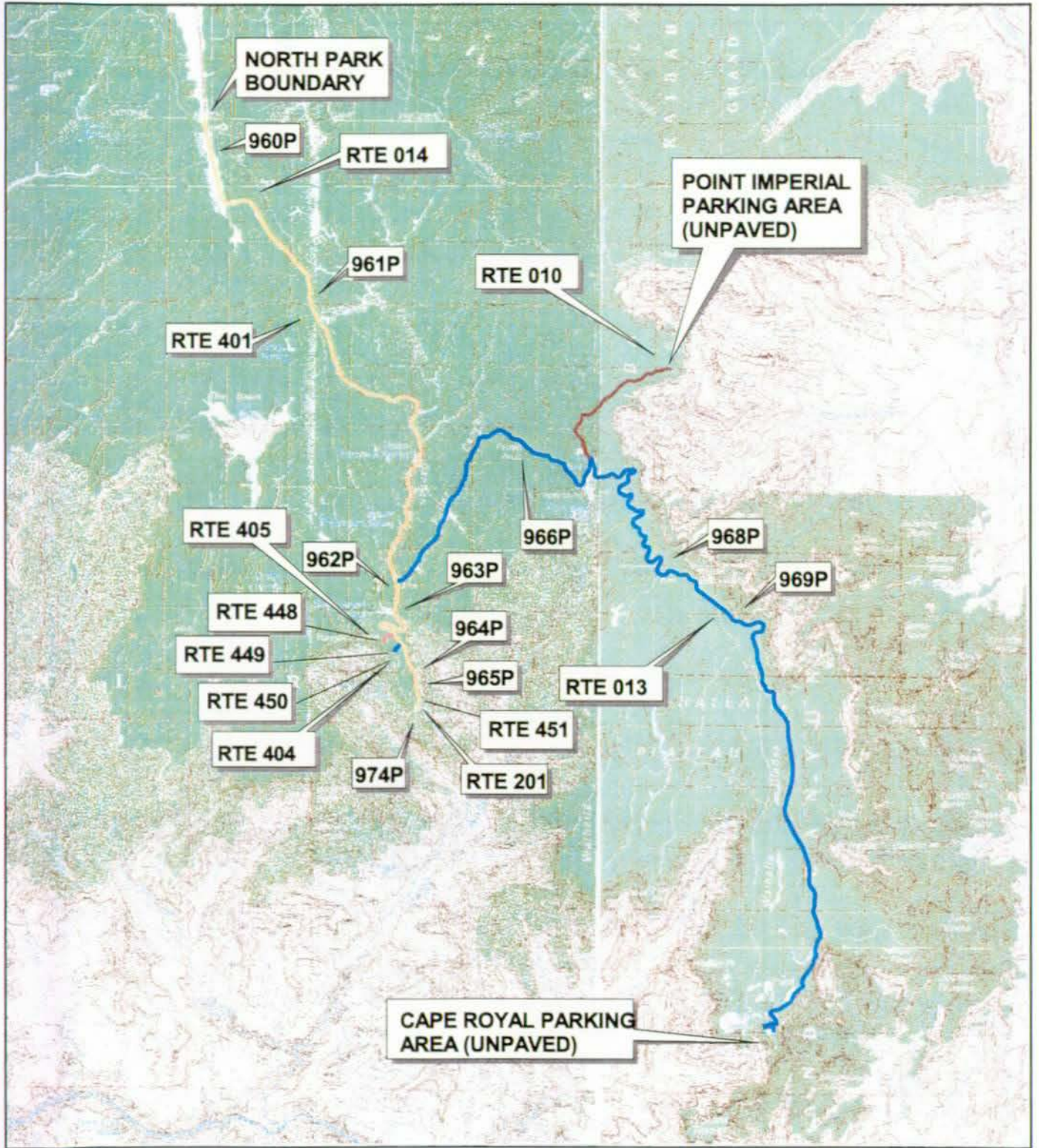


**GRAND CANYON NATIONAL PARK  
ROUTE LOCATION  
AREA MAP #2  
PARKING AREAS**





**GRAND CANYON NATIONAL PARK  
ROUTE LOCATION  
AREA MAP #3**

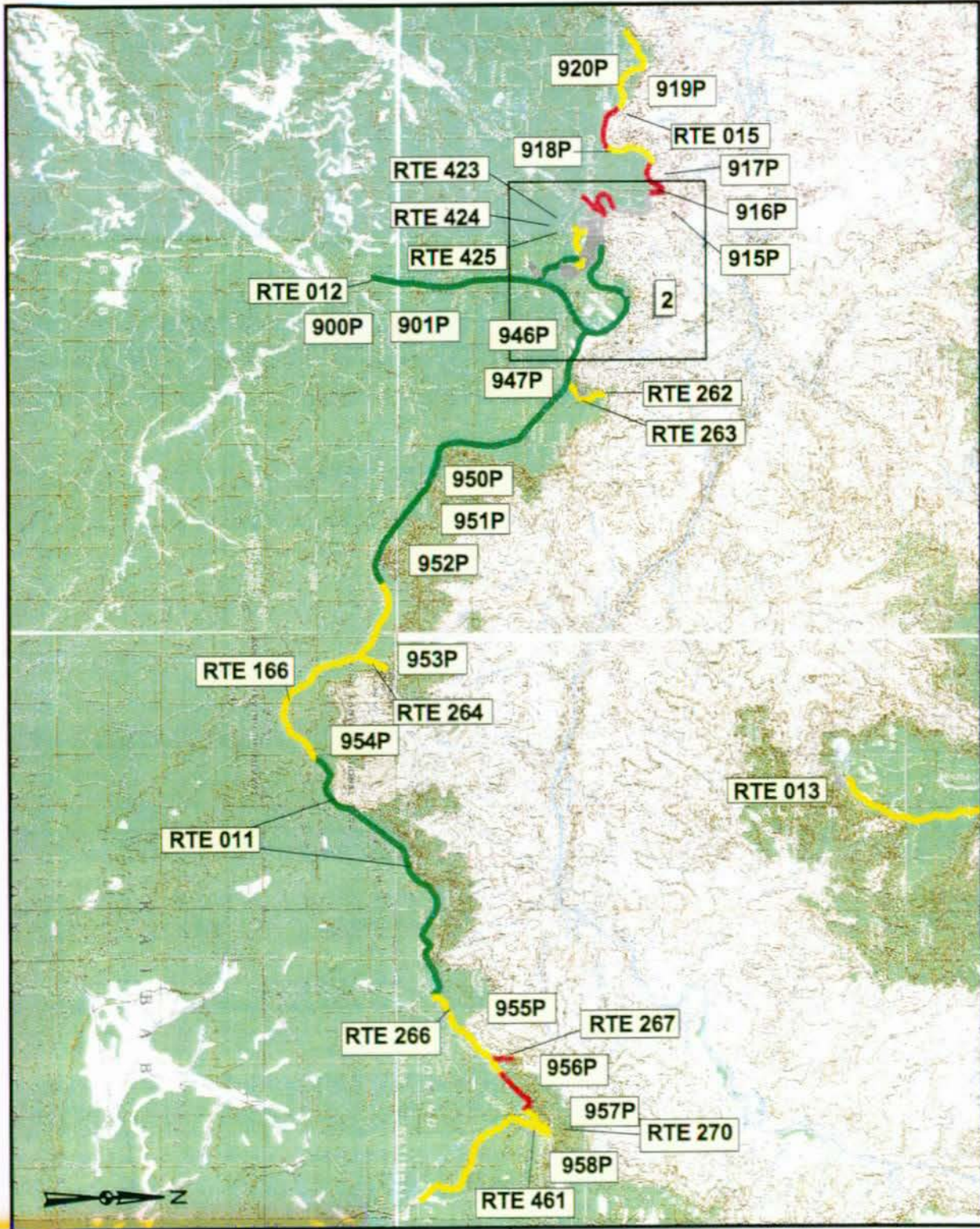


0.8 0 0.8 1.6 Miles





**GRAND CANYON NATIONAL PARK  
ROUTE CONDITION  
KEY MAP #1  
PCR/DCR - Mile by Mile  
FUNCTIONAL CLASSIFICATION I, II, VII, VIII ROADS**



PCR      ■ Good    ■ Fair    ■ Poor    ■ DCR Poor   

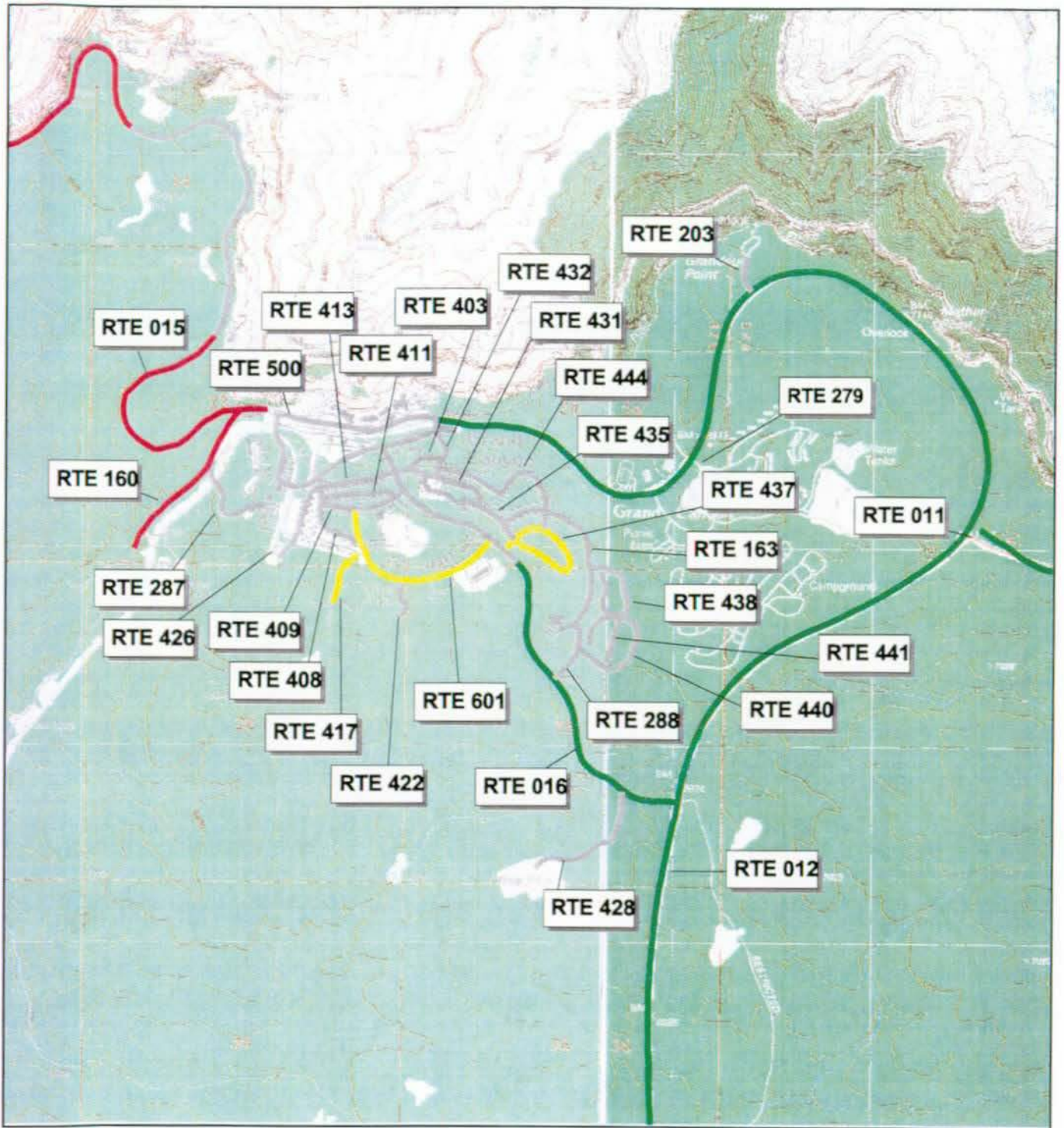
\* If the PCR rating is not available for a section, the SCR rating will be displayed



# GRAND CANYON NATIONAL PARK ROUTE CONDITION

## KEY MAP #2 PCR/DCR - Mile by Mile

FUNCTIONAL CLASSIFICATION I, II, VII, VIII ROADS



PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed

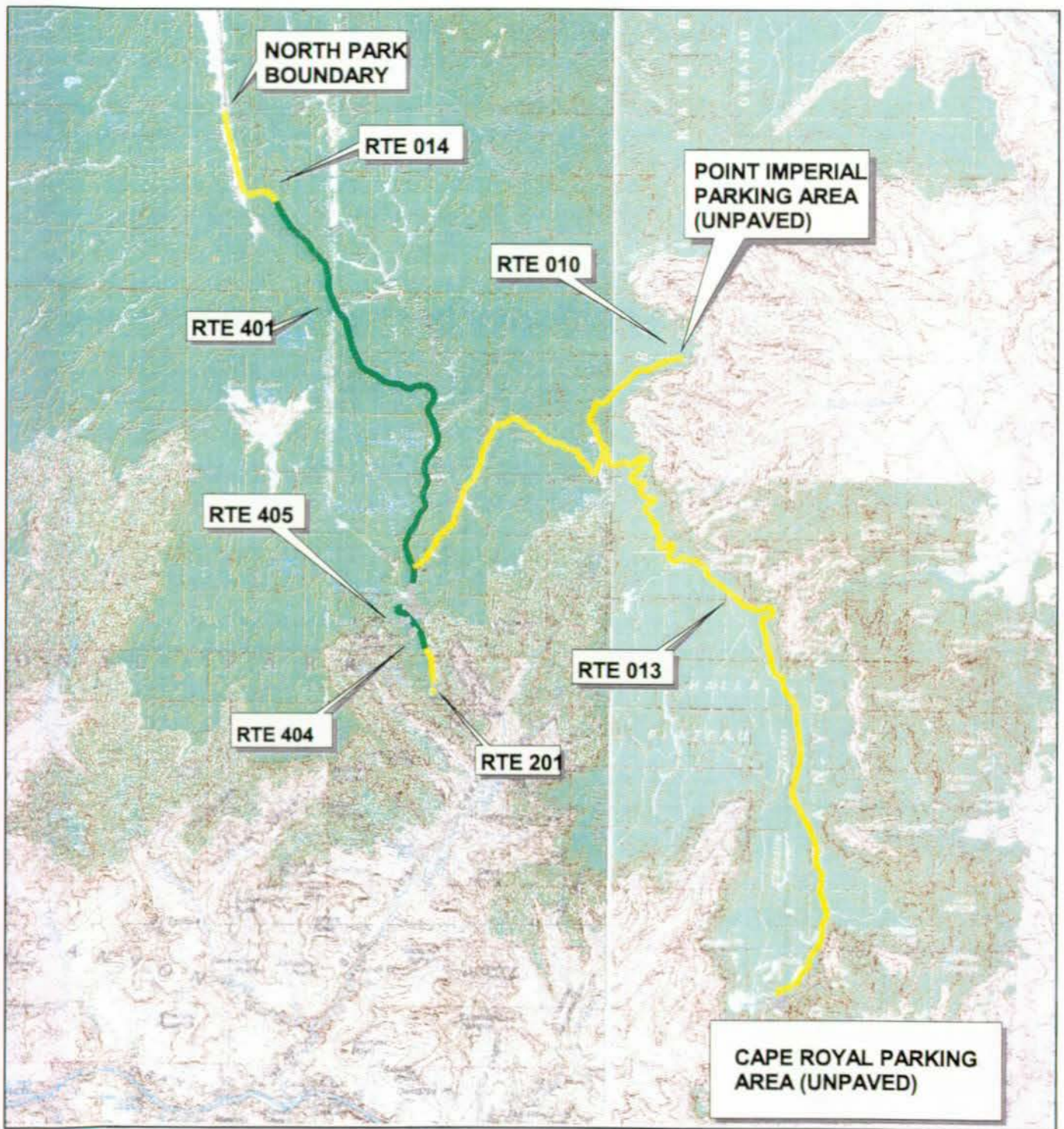




# GRAND CANYON NATIONAL PARK ROUTE CONDITION

## KEY MAP #3 PCR/DCR - Mile by Mile

FUNCTIONAL CLASSIFICATION I, II, VII, VIII ROADS



PCR Excellent  Good  Fair  Poor  DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed





GRAND CANYON NATIONAL PARK - GRCA - 8210 - ROUTE IDENTIFICATION LIST (NUMERIC)

Shading Color Key:

White = Paved Routes, ARAN Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Green = All Unpaved Parking Areas
Yellow = Unpaved Routes, ARAN not Driven	

Red Denotes Approximate Mileage

RTE #	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MILES	UN-PAVED MILES	LANES	FUNC. CLASS
010	Point Imperial Road	2.62	From Route 013 to Point Imperial Parking	2.62	0.00	2	1
011	Desert View Drive	24.94	From Route 012 to East Park Boundary	24.94	0.00	2	1
012	South Entrance Road	7.44	From South Park Boundary to Route 500	7.44	0.00	2	1
013	Cape Royal Road	19.68	From Route 014 to Cape Royal Parking	19.68	0.00	2	1
014	North Entrance Road	12.74	From North Park Boundary to Route 974	12.74	0.00	2	1
015	Hermit Rest Road	7.00	From Route 500 to Route 920	7.00	0.00	2	1
016	Center Road	1.60	From Route 012 to Route 500	1.60	0.00	2	1
101	Swamp Point Road	7.86	From North Park Boundary to Swamp Point	0.00	7.86	2	1
102	Firepoint Road	0.97	From North Park Boundary to Fire Point	0.00	0.97	2	1
150	Toroweap Valley Road	6.85	From North Park Boundary to Visitors Center	0.00	6.85	2	1
151	Toroweap Point Road	9.18	From Route 150 to Parking Area	0.00	9.18	2	1
160	Rowe Well Road	3.63	From Route 015 to Park Boundary	0.56	3.07	2	1
161	Pasture Wash Road	15.33	From Route 160 to Pasture Wash Ranger Station	0.00	15.33	2	1
162	Bass Trail Road	3.64	From Route 161 to Trailhead	0.00	3.64	2	1
163	Havasupai Road	0.60	From Route 434 to Route 288	0.60	0.00	2	1
164	West Rim Drive Connector to Route 161	1.58	From Route 015 to Route 161	0.00	1.58	2	1
166	Grandview Entrance Road	0.48	From Route 011 to South Park Boundary	0.00	0.48	2	1
200	Widforss Trail Access Road	0.73	From Route 014 to Parking Area	0.00	0.73	2	2
201	North Rim Campground Road	0.24	End of Route 014	0.24	0.00	2	3
202	Grand Canyon Recreation Center Road	0.26	From Route 601 to End of Route	0.26	0.00	2	3
203	Yavapai Point Road	0.12	From Route 012 to End of Loop	0.12	0.00	2	3
204	NPS Academy Loop Road	0.17	From Route 601 to Route 601	0.17	0.00	2	3
250	Toroweap Lake Road	0.75	From Intersection of Route 150 to End	0.00	0.75	2	2
251	Tuckup Trail Road	5.39	From Intersection of Route 151 to End	0.00	5.39	2	2
262	Yaki Point Road	0.96	From Route 011 to End of Loop	0.96	0.00	2	2
263	Kaibab Trail Access	0.20	From Route 262 to End of Loop	0.20	0.00	2	2
265	Moran Point Road	0.25	From Route 011 to End of Route	0.25	0.00	2	2
266	Tusayan Ruin Road	0.28	From Route 011 to End of Route	0.28	0.00	2	2
267	Lipan Point Road	0.42	From Route 011 to End of Loop	0.42	0.00	2	2
270	Desert View Campground	0.04	From Route 011 to End of Route	0.04	0.00	2	3
271	Mather Campground Access Road	0.39	Begin at New Construction to Maple Loop	0.39	0.00	2	3
272	Mather Campground Loops	3.46	From Route 271 to End of Route	3.46	0.00	1	3
279	Trailer Village Road	2.03	Begin at New Construction to Route 272	2.03	0.00	2	3
287	Route 160 Access	0.28	From Route 160 to Route 908	0.28	0.00	2	2
288	Clinic Access Road	0.24	From Route 160 to Route 937	0.24	0.00	2	3
400	Marble Flats Service Road	1.52	From Route 401 to Landfill	0.00	1.52	2	4
401	Marble Flats Pit Road	4.97	From Route 200 to Route 014	0.00	4.97	2	4
403	Tonto Street	0.14	From Route 016 to Route 432	0.14	0.00	2	5
404	South Residence Road	0.12	From Route 014 to Route 975	0.12	0.00	2	5
405	Ranger Station Road	0.12	From Route 014 to End of Loop	0.12	0.00	2	5
406	Mule Corral & Maintenance Area	0.61	From Route 014 to Corral	0.00	0.61	2	4
407	Lindberg Hill Maintenance Area	0.19	From Route 014 to Maintenance Area	0.00	0.19	2	4
408	Coconino Street	0.26	From Route 500 to Route 928	0.26	0.00	2	5
409	Boulder Street	0.26	From Route 408 to Route 016	0.26	0.00	2	5
410	Boulder West	0.00	From Route 408 to End of Route	0.00	0.00	2	5
411	Boulder Alley	0.22	From Route 408 to Route 409	0.22	0.00	2	5



# GRAND CANYON NATIONAL PARK - GRCA - 8210 - ROUTE IDENTIFICATION LIST (NUMERIC)

Shading Color Key:

White = Paved Routes, ARAN Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Green = All Unpaved Parking Areas
Yellow = Unpaved Routes, ARAN not Driven	

Red Denotes Approximate Mileage

RTE #	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MILES	UN-PAVED MILES	LANES	FUNC. CLASS
412	Loop Street	0.00	From Route 408 to End of Route	0.00	0.00	2	5
413	Apache Street	0.22	From Route 016 to Route 408	0.22	0.00	1	5
414	Apache West	0.00	From Route 408 to End of Pavement	0.00	0.00	2	5
415	Apache Alley	0.12	From Route 413 to Route 500	0.12	0.00	2	5
416	Muav Court	0.00	From Route 601 to End of Route	0.00	0.00	2	5
417	Hualapai Road	0.18	From Route 416 to End of Route	0.18	0.00	2	5
418	Hualapai Court	0.00	From Route 417 to End of Route	0.00	0.00	2	5
419	Kolb Street	0.00	From Route 417 to Route 417	0.00	0.00	2	5
420	Mather Street	0.00	From Route 417 to End of Loop	0.00	0.00	2	5
421	Powell Avenue	0.00	From Route 417 to Route 417	0.00	0.00	2	5
422	Grand Canyon Village New Housing Road	0.16	From Route 601 to End of Route	0.16	0.00	2	5
423	Grand Canyon Village New Housing Loop Road	0.00	From Route 422 to Route 422	0.00	0.00	2	5
424	Grand Canyon Village New Housing Road Court 1	0.00	From Route 422 to End of Route	0.00	0.00	2	5
425	Grand Canyon Village New Housing Road Court 2	0.00	From Route 422 to End of Route	0.00	0.00	2	5
426	Maswick Transportation Center Road	0.16	From Route 500 to End of Route	0.16	0.00	2	5
427	Kennels Road	0.10	From Route 160 to Kennels	0.10	0.00	2	5
428	Shuttle Bus Road	0.42	From Route 016 to Route 932	0.42	0.00	2	5
429	Unnamed Road	0.00	From Route 016 to End of Route	0.00	0.00	2	5
430	Lapp Loop	0.00	From Route 016 to Route 016	0.00	0.00	2	5
431	Juniper Hill	0.30	From Route 403 to Route 435	0.30	0.00	2	5
432	Navajo Street	0.16	From Route 500 to Route 431	0.16	0.00	2	5
433	Tapeats Street	0.00	From Route 263 to Route 263	0.00	0.00	2	5
434	Hermit Circle	0.00	From Route 435 to Route 435	0.00	0.00	2	5
435	Sunset Drive	0.32	From Route 431 to Route 437	0.32	0.00	2	5
436	Bright Angel Loop Road	0.00	From Route 500 to End of Loop	0.00	0.00	2	5
437	Park Circle	0.50	From Route 016 to Route 437	0.50	0.00	2	5
438	Barry Hance Circle	0.44	From Route 163 to End of Loop	0.44	0.00	2	5
439	Ponderosa Street	0.00	From Route 163 to End of Route	0.00	0.00	2	5
440	Randy Thompson Circle	0.54	From Route 288 to End of Loop	0.54	0.00	2	5
441	Bob Mann Street	0.16	From Route 440 to Route 440	0.16	0.00	2	5
442	Moran Avenue	0.00	From Route 421 to Route 421	0.00	0.00	2	5
443	Lipan Street	0.00	From Route 421 to Route 421	0.00	0.00	2	5
444	Kaibab Road	0.52	From Route 432 to Route 437	0.52	0.00	2	5
445	Navajo Residence Road	0.00	From Route 432 to End of Route	0.00	0.00	2	5
446	West Shuttle Loop	0.00	From Route 012 to New Construction	0.00	0.00	2	5
447	East Shuttle Loop	0.00	From Route 012 to New Construction	0.00	0.00	2	5
448	North Rim Service Area	0.00	Off Route 014	0.00	0.00	2	5
449	Helipad Road	0.00	Off Route 403	0.00	0.00	2	5
450	Wastewater Plant Road	0.00	Off Route 403	0.00	0.00	2	5
451	North Rim Campground	0.00	End of Route 014	0.00	0.00	2	5
461	East Entrance Residence Area	0.28	From Route 011 to End of Route	0.28	0.00	2	5
462	Desert View Service Road	0.39	From Desert View Parking Area to End of Route	0.00	0.39	2	4
464	Tank C Pumphouse Road	0.32	From Route 279 to End of Route	0.00	0.32	2	4
465	Rim Gravel Pit Road	1.14	From Route 160 to Gravel Pit	0.00	1.14	2	4
466	Horse Thief Tank Road	2.23	From Route 164 to Route 161	0.00	2.23	2	4
467	South Boundary Connector to Route 161	1.18	From South Park Boundary to Route 161	0.00	1.18	2	4



GRAND CANYON NATIONAL PARK - GRCA - 8210 - ROUTE IDENTIFICATION LIST (NUMERIC)

Shading Color Key:

White = Paved Routes, ARAN Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Green = All Unpaved Parking Areas
Yellow = Unpaved Routes, ARAN not Driven	

Red Denotes Approximate Mileage

RTE #	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MILES	UN-PAVED MILES	LANES	FUNC. CLASS
468	Sewage Disposal Pond	0.56	From Route 161 to End of Route	0.00	0.56	2	4
500	Village Loop Drive	1.40	From Route 012 to Route 012	1.40	0.00	1	3
501	Village Loop Bypass	0.31	From Route 500 to Route 500	0.31	0.00	1	3
601	Albright Avenue	0.60	From Route 409 to Route 016	0.60	0.00	2	5
900	South Entrance Grand Canyon Parking		Route 012, MP 0.31				
901	South Entrance Station Parking		Route 012, MP 0.46				
902	Mather Point Parking		Route 012, MP 5.20				
903	Visitor Center Parking		Route 012, MP 6.42				
904	El Tovar/Verkamps Parking		Route 500, MP 0.01				
905	Cochina Lodge Parking		Route 500, MP 0.01				
906	Thunderbird Lodge Parking		Route 500, MP 0.26				
907	Bright Angel Lodge Parking		Route 500, MP 0.30				
908	Maswick Standard Parking		Route 500, MP 0.64				
909	Service Parking Area		Route 500, MP 0.84				
910	Human Resources Parking		Route 500, MP 1.02				
911	Trailview Parking		Route 015, MP 1.02				
912	Grand Canyon Vista Parking		Route 015, MP 1.41				
913	Maricopa Point Parking		Route 015, MP 1.68				
914	Powell Memorial Parking		Route 015, MP 2.14				
915	Hopi Point Parking		Route 015, MP 2.32				
916	Hopi Point II Parking		Route 015, MP 2.39				
917	Mojave Point Parking		Route 015, MP 3.00				
918	Abyss Parking		Route 015, MP 4.00				
919	Pima Point Parking		Route 015, MP 6.18				
920	Hermit's Rest Parking		Route 015, MP 6.96				
921	Train Station Parking		Route 500, MP 0.08				
922	Backcountry Permit Parking		Route 426, MP 0.10				
923	Maswick Transportation Center Parking		End of Route 426				
924	Magistrate Parking		Route 016, MP 1.56				
925	General Offices Parking		Route 432, MP 0.02				
926	Chapel Parking		Route 409, MP 0.14				
927	Boulder Street Residence Parking		Route 409, MP 0.14				
928	Coconino School Parking		End of Route 408				
929	Dormitory Parking		Route 601, MP 0.40				
930	Albright Maintenance Area Parking		Route 601, MP 0.56				
931	Shuttle Bus Parking		End of Route 428				
932	Fire Station Parking		End of Route 428				
933	Grand Canyon Association Parking		Route 403, MP 0.08				
934	Stable Parking		Route 431, MP 0.08				
935	School Bus Parking		Route 016, MP 1.40				
936	Maintenance Area Parking		End of Route 417				
937	Clinic Parking		End of Route 288				
938	Maintenance Parking		Route 287, MP 0.21				
939	Wastewater Treatment Area		Route 427, MP 0.08				
940	Mather Lodge Parking		Off Route 012				
941	Mather Campground Services Parking		Off Route 012				
942	Yavapai East Parking		Off Route 012				



GRAND CANYON NATIONAL PARK - GRCA - 8210 - ROUTE IDENTIFICATION LIST (NUMERIC)

Shading Color Key:

White = Paved Routes, ARAN Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Green = All Unpaved Parking Areas
Yellow = Unpaved Routes, ARAN not Driven	

Red Denotes Approximate Mileage

RTE #	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MILES	UN-PAVED MILES	LANES	FUNC. CLASS
943	Yavapai West I Parking		Off Route 012				
944	Yavapai West II Parking		Off Route 012				
945	Parking at MP 0.14		Route 011, MP 0.14				
946	Parking at MP 0.64		Route 011, MP 0.64				
947	Parking at MP 0.88		Route 011, MP 0.88				
948	Yaki Point Parking		End of Route 262				
949	Kaibab Trail Service Road		End of Route 263				
950	Duck-on-a-Rock Overlook Parking		Route 011, MP 3.86				
951	Twin Overlook Parking		Route 011, MP 4.68				
952	Parking at MP 4.74		Route 011, MP 4.74				
953	Thor's Hammer Overlook Parking		Route 011, MP 6.50				
954	Buggeln Picnic Area		Route 011, MP 11.92				
955	No-Name Point Parking		Route 011, MP 19.30				
956	Navajo Point Parking		Route 011, MP 20.70				
957	Desert View Parking		Route 011, MP 21.52				
958	Desert View Gas Station		Route 011, MP 21.65				
959	East Entrance Ranger Station Parking		Route 461, MP 0.08				
960	North Rim Entrance Parking		Route 014, MP 0.11				
961	North Rim Forest Parking		Route 014, MP 4.03				
962	Widforss Trailhead Parking		Route 014, unpaved				
963	Kaibab Trailhead Parking		Route 014, MP 10.56				
965	North Rim Visitor Center Parking		Route 014, MP 12.48				
966	Picnic Parking Area		Route 013, MP 3.70				
967	Point Imperial Parking		Route 010, MP 2.66				
968	Vista Encantada/Picnic Area		Route 013, MP 9.93				
969	Roosevelt Point Parking		Route 013, MP 11.62				
970	Wahalla Plateau Overlook Parking		Route 013, MP 18.09				
971	General Store Parking		Route 201, MP 0.15				
972	North Rim Campground		End of Route 201				
973	North Rim Campground		End of Route 201				
974	Grand Canyon Lodge Parking		End of Route 014				
975	North Rim Service Facility		End of Route 404				
976	North Rim Ranger Station Parking		Route 405, MP 0.04				
977	North Rim Fire Parking		Off Route 013				
978	Greenland Lakes Sinkholes Parking		Off Route 013				
979	Garage Parking						
980	Grandview Point Road		From Route 011 to End of Loop				
982	Greenland Lakes Sinkholes Parking		Off Route 017				



**GRAND CANYON NATIONAL PARK - GRCA - 8210 - ROUTE IDENTIFICATION LIST (ALPHABETIC)**

Shading Color Key:

White = Paved Routes, ARAN Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Green = All Unpaved Parking Areas
Yellow = Unpaved Routes, ARAN not Driven	

Red Denotes Approximate Mileage

RTE #	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MILES	UN-PAVED MILES	LANES	FUNC. CLASS
918	Abyss Parking		Route 015, MP 4.00				
601	Albright Avenue	0.60	From Route 409 to Route 016	0.60	0.00	2	5
930	Albright Maintenance Area Parking		Route 601, MP 0.56				
415	Apache Alley	0.12	From Route 413 to Route 500	0.12	0.00	2	5
413	Apache Street	0.22	From Route 016 to Route 408	0.22	0.00	1	5
414	Apache West	0.00	From Route 408 to End of Pavement	0.00	0.00	2	5
922	Backcountry Permit Parking		Route 426, MP 0.10				
438	Barry Hance Circle	0.44	From Route 163 to End of Loop	0.44	0.00	2	5
162	Bass Trail Road	3.64	From Route 161 to Trailhead	0.00	3.64	2	1
441	Bob Mann Street	0.16	From Route 440 to Route 440	0.16	0.00	2	5
411	Boulder Alley	0.22	From Route 408 to Route 409	0.22	0.00	2	5
409	Boulder Street	0.26	From Route 408 to Route 016	0.26	0.00	2	5
927	Boulder Street Residence Parking		Route 409, MP 0.14				
410	Boulder West	0.00	From Route 408 to End of Route	0.00	0.00	2	5
907	Bright Angel Lodge Parking		Route 500, MP 0.30				
436	Bright Angel Loop Road	0.00	From Route 500 to End of Loop	0.00	0.00	2	5
954	Buggeln Picnic Area		Route 011, MP 11.92				
013	Cape Royal Road	19.68	From Route 014 to Cape Royal Parking	19.68	0.00	2	1
016	Center Road	1.60	From Route 012 to Route 500	1.60	0.00	2	1
926	Chapel Parking		Route 409, MP 0.14				
288	Clinic Access Road	0.24	From Route 160 to Route 937	0.24	0.00	2	3
937	Clinic Parking		End of Route 288				
905	Cochina Lodge Parking		Route 500, MP 0.01				
928	Coconino School Parking		End of Route 408				
408	Coconino Street	0.26	From Route 500 to Route 928	0.26	0.00	2	5
270	Desert View Campground	0.04	From Route 011 to End of Route	0.04	0.00	2	3
011	Desert View Drive	24.94	From Route 012 to East Park Boundary	24.94	0.00	2	1
958	Desert View Gas Station		Route 011, MP 21.65				
957	Desert View Parking		Route 011, MP 21.52				
462	Desert View Service Road	0.39	From Desert View Parking Area to End of Route	0.00	0.39	2	4
929	Dormitory Parking		Route 601, MP 0.40				
950	Duck-on-a-Rock Overlook Parking		Route 011, MP 3.86				
959	East Entrance Ranger Station Parking		Route 461, MP 0.08				
461	East Entrance Residence Area	0.28	From Route 011 to End of Route	0.28	0.00	2	5
447	East Shuttle Loop	0.00	From Route 012 to New Construction	0.00	0.00	2	5
904	El Tovar/Verkamps Parking		Route 500, MP 0.01				
932	Fire Station Parking		End of Route 428				
102	Firepoint Road	0.97	From North Park Boundary to Fire Point	0.00	0.97	2	1
979	Garage Parking						
925	General Offices Parking		Route 432, MP 0.02				
971	General Store Parking		Route 201, MP 0.15				
933	Grand Canyon Association Parking		Route 403, MP 0.08				
974	Grand Canyon Lodge Parking		End of Route 014				



GRAND CANYON NATIONAL PARK - GRCA - 8210 - ROUTE IDENTIFICATION LIST (ALPHABETIC)

Shading Color Key:

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Grey = Paved Routes, ARAN not Driven	Green = All Unpaved Parking Areas
Yellow = Unpaved Routes, ARAN not Driven	

Red Denotes Approximate Mileage

RTE #	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MILES	UN-PAVED MILES	LANES	FUNC. CLASS
202	Grand Canyon Recreation Center Road	0.26	From Route 601 to End of Route	0.26	0.00	2	3
423	Grand Canyon Village New Housing Loop Road	0.00	From Route 422 to Route 422	0.00	0.00	2	5
422	Grand Canyon Village New Housing Road	0.16	From Route 601 to End of Route	0.16	0.00	2	5
424	Grand Canyon Village New Housing Road Court 1	0.00	From Route 422 to End of Route	0.00	0.00	2	5
425	Grand Canyon Village New Housing Road Court 2	0.00	From Route 422 to End of Route	0.00	0.00	2	5
912	Grand Canyon Vista Parking		Route 015, MP 1.41				
166	Grandview Entrance Road	0.48	From Route 011 to South Park Boundary	0.00	0.48	2	1
980	Grandview Point Road		From Route 011 to End of Loop				
978	Greenland Lakes Sinkholes Parking		Off Route 013				
982	Greenland Lakes Sinkholes Parking		Off Route 017				
163	Havasupai Road	0.60	From Route 434 to Route 288	0.60	0.00	2	1
449	Helipad Road	0.00	Off Route 403	0.00	0.00	2	5
434	Hermit Circle	0.00	From Route 435 to Route 435	0.00	0.00	2	5
015	Hermit Rest Road	7.00	From Route 500 to Route 920	7.00	0.00	2	1
920	Hermit's Rest Parking		Route 015, MP 6.96				
916	Hopi Point II Parking		Route 015, MP 2.39				
915	Hopi Point Parking		Route 015, MP 2.32				
466	Horsethief Tank Road	2.23	From Route 164 to Route 161	0.00	2.23	2	4
418	Hualapai Court	0.00	From Route 417 to End of Route	0.00	0.00	2	5
417	Hualapai Road	0.18	From Route 416 to End of Route	0.18	0.00	2	5
910	Human Resources Parking		Route 500, MP 1.02				
431	Juniper Hill	0.30	From Route 403 to Route 435	0.30	0.00	2	5
444	Kaibab Road	0.52	From Route 432 to Route 437	0.52	0.00	2	5
263	Kaibab Trail Access	0.20	From Route 262 to End of Loop	0.20	0.00	2	2
949	Kaibab Trail Service Road		End of Route 263				
963	Kaibab Trailhead Parking		Route 014, MP 10.56				
427	Kennels Road	0.10	From Route 160 to Kennels	0.10	0.00	2	5
419	Kolb Street	0.00	From Route 417 to Route 417	0.00	0.00	2	5
430	Lapp Loop	0.00	From Route 016 to Route 016	0.00	0.00	2	5
407	Lindberg Hill Maintenance Area	0.19	From Route 014 to Maintenance Area	0.00	0.19	2	4
267	Lipan Point Road	0.42	From Route 011 to End of Loop	0.42	0.00	2	2
443	Lipan Street	0.00	From Route 421 to Route 421	0.00	0.00	2	5
412	Loop Street	0.00	From Route 408 to End of Route	0.00	0.00	2	5
924	Magistrate Parking		Route 016, MP 1.56				
936	Maintenance Area Parking		End of Route 417				
938	Maintenance Parking		Route 287, MP 0.21				
401	Marble Flats Pit Road	4.97	From Route 200 to Route 014	0.00	4.97	2	4
400	Marble Flats Service Road	1.52	From Route 401 to Landfill	0.00	1.52	2	4
913	Maricopa Point Parking		Route 015, MP 1.68				
908	Maswick Standard Parking		Route 500, MP 0.64				
923	Maswick Transportation Center Parking		End of Route 426				



**GRAND CANYON NATIONAL PARK - GRCA - 8210 - ROUTE IDENTIFICATION LIST (ALPHABETIC)**

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White = Paved Routes, ARAN Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Green = All Unpaved Parking Areas
Yellow = Unpaved Routes, ARAN not Driven	

Red Denotes Approximate Mileage

RTE #	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MILES	UN-PAVED MILES	LANES	FUNC. CLASS
426	Maswick Transportation Center Road	0.16	From Route 500 to End of Route	0.16	0.00	2	5
271	Mather Campground Access Road	0.39	Begin at New Construction to Maple Loop	0.39	0.00	2	3
272	Mather Campground Loops	3.46	From Route 271 to End of Route	3.46	0.00	1	3
941	Mather Campground Services Parking		Off Route 012				
940	Mather Lodge Parking		Off Route 012				
902	Mather Point Parking		Route 012, MP 5.20				
420	Mather Street	0.00	From Route 417 to End of Loop	0.00	0.00	2	5
917	Mojave Point Parking		Route 015, MP 3.00				
442	Moran Avenue	0.00	From Route 421 to Route 421	0.00	0.00	2	5
265	Moran Point Road	0.25	From Route 011 to End of Route	0.25	0.00	2	2
416	Muav Court	0.00	From Route 601 to End of Route	0.00	0.00	2	5
406	Mule Corral & Maintenance Area	0.61	From Route 014 to Corral	0.00	0.61	2	4
956	Navajo Point Parking		Route 011, MP 20.70				
445	Navajo Residence Road	0.00	From Route 432 to End of Route	0.00	0.00	2	5
432	Navajo Street	0.16	From Route 500 to Route 431	0.16	0.00	2	5
955	No-Name Point Parking		Route 011, MP 19.30				
014	North Entrance Road	12.74	From North Park Boundary to Route 974	12.74	0.00	2	1
451	North Rim Campground	0.00	End of Route 014	0.00	0.00	2	5
972	North Rim Campground		End of Route 201				
973	North Rim Campground		End of Route 201				
201	North Rim Campground Road	0.24	End of Route 014	0.24	0.00	2	3
960	North Rim Entrance Parking		Route 014, MP 0.11				
977	North Rim Fire Parking		Off Route 013				
961	North Rim Forest Parking		Route 014, MP 4.03				
976	North Rim Ranger Station Parking		Route 405, MP 0.04				
448	North Rim Service Area	0.00	Off Route 014	0.00	0.00	2	5
975	North Rim Service Facility		End of Route 404				
965	North Rim Visitor Center Parking		Route 014, MP 12.48				
204	NPS Academy Loop Road	0.17	From Route 601 to Route 601	0.17	0.00	2	3
437	Park Circle	0.50	From Route 016 to Route 437	0.50	0.00	2	5
945	Parking at MP 0.14		Route 011, MP 0.14				
946	Parking at MP 0.64		Route 011, MP 0.64				
947	Parking at MP 0.88		Route 011, MP 0.88				
952	Parking at MP 4.74		Route 011, MP 4.74				
161	Pasture Wash Road	15.33	From Route 160 to Pasture Wash Ranger Station	0.00	15.33	2	1
966	Picnic Parking Area		Route 013, MP 3.70				
919	Pima Point Parking		Route 015, MP 6.18				
967	Point Imperial Parking		Route 010, MP 2.66				
010	Point Imperial Road	2.62	From Route 013 to Point Imperial Parking	2.62	0.00	2	1
439	Ponderosa Street	0.00	From Route 163 to End of Route	0.00	0.00	2	5
421	Powell Avenue	0.00	From Route 417 to Route 417	0.00	0.00	2	5
914	Powell Memorial Parking		Route 015, MP 2.14				
440	Randy Thompson Circle	0.54	From Route 288 to End of Loop	0.54	0.00	2	5
405	Ranger Station Road	0.12	From Route 014 to End of Loop	0.12	0.00	2	5



# GRAND CANYON NATIONAL PARK - GRCA - 8210 - ROUTE IDENTIFICATION LIST (ALPHABETIC)

Shading Color Key:

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Yellow = Unpaved Routes, ARAN not Driven	

Red Denotes Approximate Mileage

RTE #	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MILES	UN-PAVED MILES	LANES	FUNC. CLASS
465	Rim Gravel Pit Road	1.14	From Route 160 to Gravel Pit	0.00	1.14	2	4
969	Roosevelt Point Parking		Route 013, MP 11.62				
287	Route 160 Access	0.28	From Route 160 to Route 908	0.28	0.00	2	2
160	Rowe Well Road	3.63	From Route 015 to Park Boundary	0.56	3.07	2	1
935	School Bus Parking		Route 016, MP 1.40				
909	Service Parking Area		Route 500, MP 0.84				
468	Sewage Disposal Pond	0.56	From Route 161 to End of Route	0.00	0.56	2	4
931	Shuttle Bus Parking		End of Route 428				
428	Shuttle Bus Road	0.42	From Route 016 to Route 932	0.42	0.00	2	5
467	South Boundary Connector to Route 161	1.18	From South Park Boundary to Route 161	0.00	1.18	2	4
900	South Entrance Grand Canyon Parking		Route 012, MP 0.31				
012	South Entrance Road	7.44	From South Park Boundary to Route 500	7.44	0.00	2	1
901	South Entrance Station Parking		Route 012, MP 0.46				
404	South Residence Road	0.12	From Route 014 to Route 975	0.12	0.00	2	5
934	Stable Parking		Route 431, MP 0.08				
435	Sunset Drive	0.32	From Route 431 to Route 437	0.32	0.00	2	5
101	Swamp Point Road	7.86	From North Park Boundary to Swamp Point	0.00	7.86	2	1
464	Tank C Pumphouse Road	0.32	From Route 279 to End of Route	0.00	0.32	2	4
433	Tapeats Street	0.00	From Route 263 to Route 263	0.00	0.00	2	5
953	Thor's Hammer Overlook Parking		Route 011, MP 6.50				
906	Thunderbird Lodge Parking		Route 500, MP 0.26				
403	Tonto Street	0.14	From Route 016 to Route 432	0.14	0.00	2	5
250	Toroweap Lake Road	0.75	From Intersection of Route 150 to End	0.00	0.75	2	2
151	Toroweap Point Road	9.18	From Route 150 to Parking Area	0.00	9.18	2	1
150	Toroweap Valley Road	6.85	From North Park Boundary to Visitors Center	0.00	6.85	2	1
279	Trailer Village Road	2.03	Begin at New Construction to Route 272	2.03	0.00	2	3
911	Trailview Parking		Route 015, MP 1.02				
921	Train Station Parking		Route 500, MP 0.08				
251	Tuckup Trail Road	5.39	From Intersection of Route 151 to End	0.00	5.39	2	2
266	Tusayan Ruin Road	0.28	From Route 011 to End of Route	0.28	0.00	2	2
951	Twin Overlook Parking		Route 011, MP 4.68				
429	Unnamed Road	0.00	From Route 016 to End of Route	0.00	0.00	2	5
501	Village Loop Bypass	0.31	From Route 500 to Route 500	0.31	0.00	1	3
500	Village Loop Drive	1.40	From Route 012 to Route 012	1.40	0.00	1	3
903	Visitor Center Parking		Route 012, MP 6.42				
968	Vista Encantada/Picnic Area		Route 013, MP 9.93				
970	Wahalla Plateau Overlook Parking		Route 013, MP 18.09				
450	Wastewater Plant Road	0.00	Off Route 403	0.00	0.00	2	5
939	Wastewater Treatment Area		Route 427, MP 0.08				
164	West Rim Drive Connector to Route 161	1.58	From Route 015 to Route 161	0.00	1.58	2	1
446	West Shuttle Loop	0.00	From Route 012 to New Construction	0.00	0.00	2	5
200	Widforss Trail Access Road	0.73	From Route 014 to Parking Area	0.00	0.73	2	2
962	Widforss Trailhead Parking		Route 014, unpaved				
948	Yaki Point Parking		End of Route 262				

**GRAND CANYON NATIONAL PARK - GRCA - 8210 - ROUTE IDENTIFICATION LIST (ALPHABETIC)**

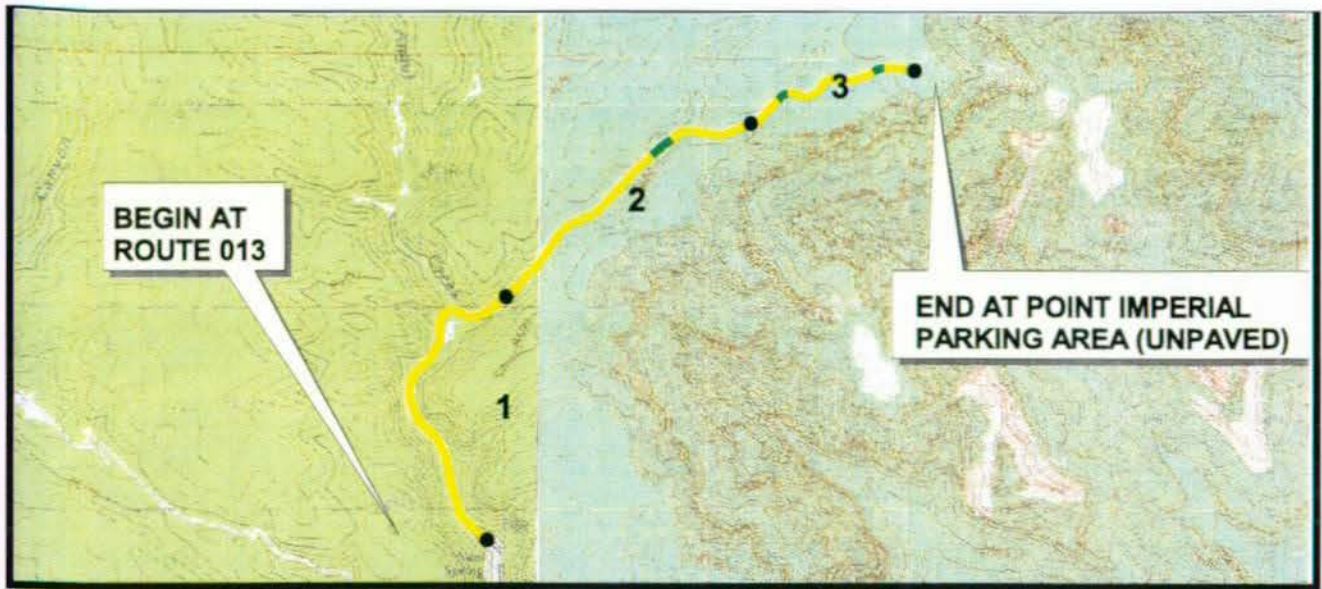
Shading Color Key:

White = Paved Routes, ARAN Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Green = All Unpaved Parking Areas
Yellow = Unpaved Routes, ARAN not Driven	

Red Denotes Approximate Mileage

RTE #	ROUTE NAME	RTE MI	ROUTE DESCRIPTION	PAVED MILES	UN-PAVED MILES	LANES	FUNC. CLASS
262	Yaki Point Road	0.96	From Route 011 to End of Loop	0.96	0.00	2	2
942	Yavapai East Parking		Off Route 012				
203	Yavapai Point Road	0.12	From Route 012 to End of Loop	0.12	0.00	2	3
943	Yavapai West I Parking		Off Route 012				
944	Yavapai West II Parking		Off Route 012				





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 010 POINT IMPERIAL ROAD

TOTAL LENGTH: 2.62 Miles

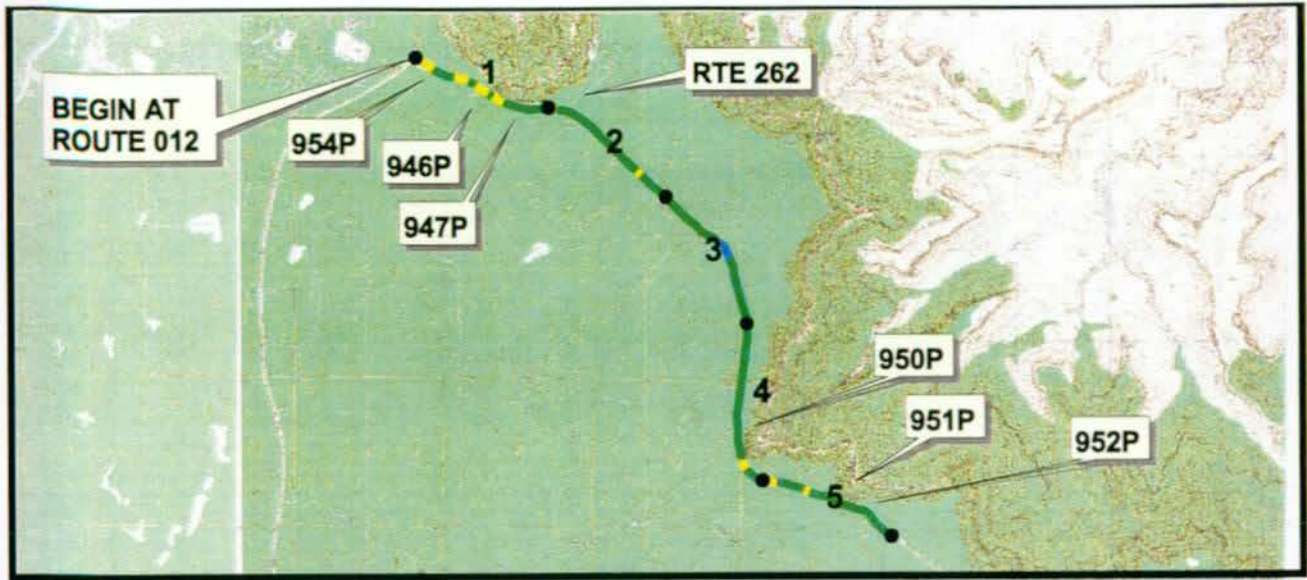
Section Number	1	2	3		
Section Length (mi)	1.00	1.00	0.62		
AADT	660	660	660		
SADT	216	216	216		
ADT Date	NA	NA	NA		
<b>Cross Section Information</b>					
Number of Lanes	2	2	2		
Paved Width (ft)	22	22	22		
Lane Width (ft)	11	11	11		
Shoulder Width (ft)	1	1	1		
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	75	77	80		
Roughness Index	68	74	73		
SCR (Surface Condition Rating)	78	78	84		
Alligator Cracking	100	100	100		
Rutting Index	75	77	80		
Patching Index	100	100	100		
Transverse Cracking	92	92	95		
Longitudinal Cracking	99	98	99		
Shoulder Condition Rating	GOOD	GOOD	GOOD		
Drainage Condition Rating	GOOD	GOOD	GOOD		

**COMMENTS:**

- MP 0.00 - BEGIN AT ROUTE 013
- MP 2.59 - PHOTO #53 - BEGIN ONE-WAY LOOP
- MP 2.66 - INTERSECTION, POINT IMPERIAL PARKING (UNPAVED)

ROUTE: 010 POINT IMPERIAL ROAD





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
GRCA: Grand Canyon NP

ROUTE: 011 DESERT VIEW DRIVE

TOTAL LENGTH: 24.94 Miles

Section Number	1	2	3	4	5
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	2831	2831	2831	2831	2831
SADT	2181	2181	2181	2181	2181
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	28	28	28	28	28
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	5	5	5	5
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	85	87	91	88	88
Roughness Index	95	96	99	99	96
SCR (Surface Condition Rating)	79	81	85	81	82
Alligator Cracking	100	100	100	100	100
Rutting Index	84	84	84	81	82
Patching Index	100	100	100	100	100
Transverse Cracking	93	91	94	92	93
Longitudinal Cracking	94	98	98	98	97
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

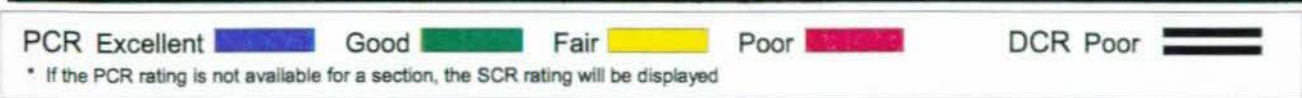
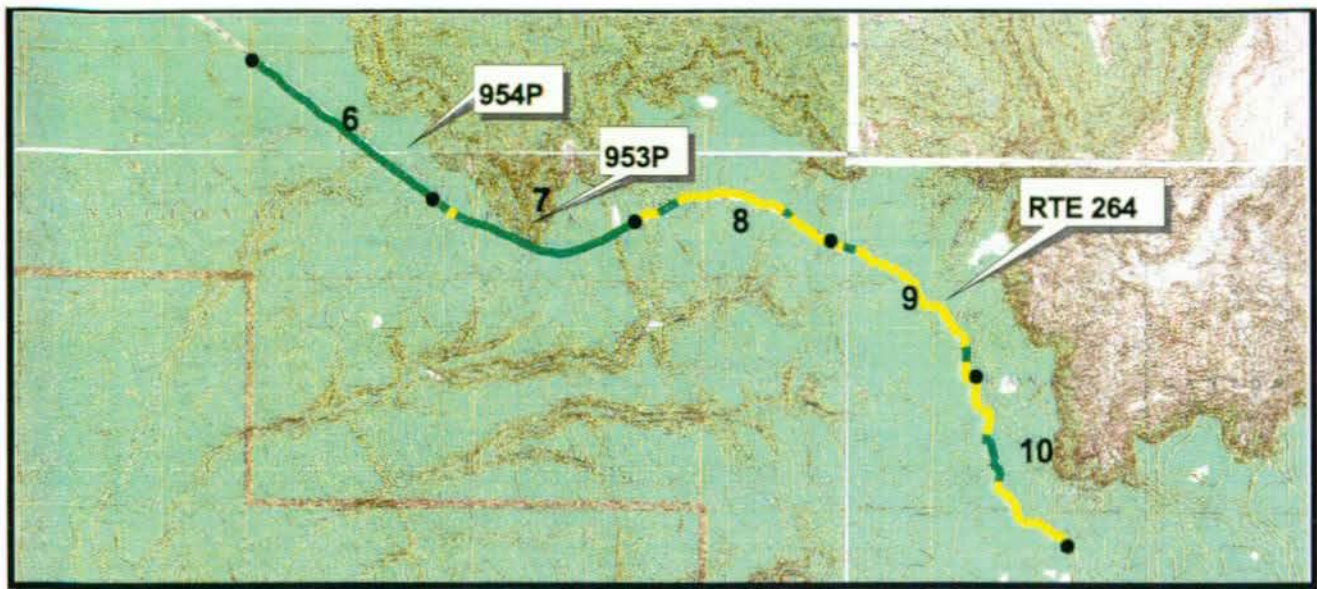
**COMMENTS:**

MP 0.00 BEGIN AT ROUTE 012, PHOTO #3708  
 MP 0.14 INTERSECTION RIGHT (945)  
 MP 0.64 INTERSECTION RIGHT (946)  
 MP 0.86 INTERSECTION RIGHT (947)  
 MP 1.10 INTERSECTION LEFT (262)  
 MP 1.26 INTERSECTION RIGHT (UNPAVED COOKOUT AREA)  
 MP 2.08 INTERSECTION RIGHT (UNPAVED COOKOUT AREA)

MP 2.18 INTERSECTION RIGHT (UNPAVED ROAD)  
 MP 2.42 INTERSECTION LEFT,  
 SHOSHONE POINT ROAD (UNPAVED)  
 MP 3.86 INTERSECTION LEFT (950)  
 MP 3.88 INTERSECTION LEFT (950)  
 MP 4.40 INTERSECTION LEFT,  
 LONG JIM CANYON ROAD (UNPAVED)  
 MP 4.68 INTERSECTION LEFT (951)  
 MP 4.74 INTERSECTION LEFT (952)

ROUTE: 011 DESERT VIEW DRIVE





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 011 DESERT VIEW DRIVE

TOTAL LENGTH: 24.94 Miles

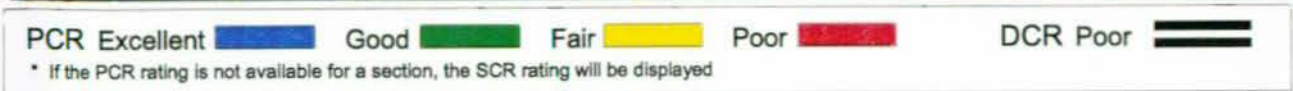
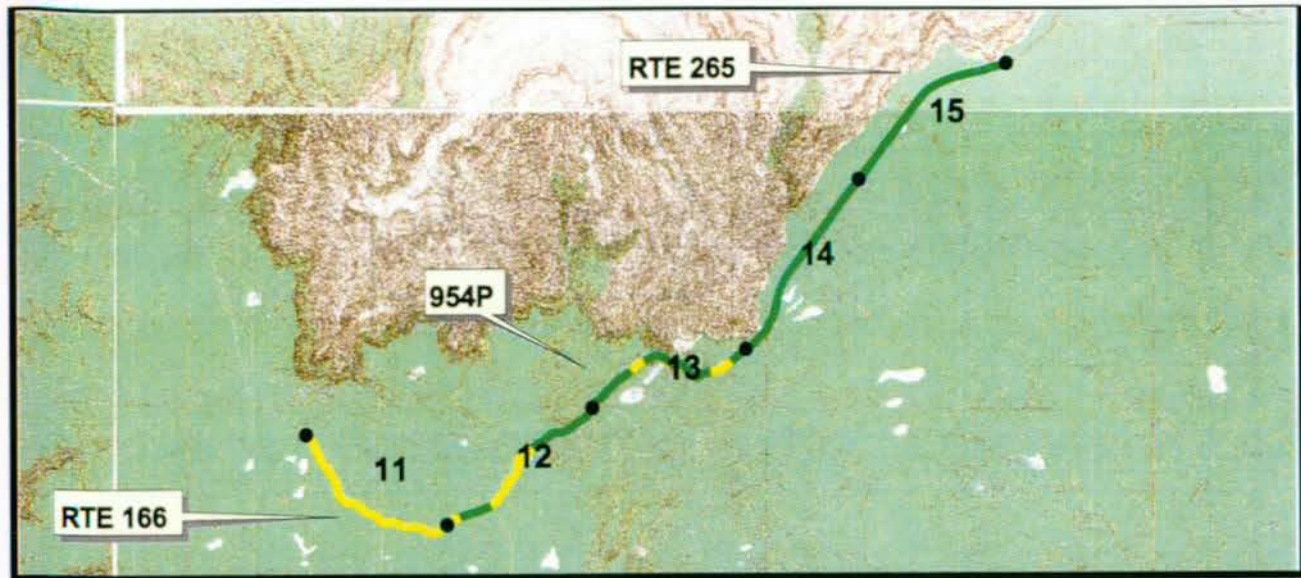
Section Number	6	7	8	9	10
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	2831	2831	2831	2831	2590
SADT	2181	2181	2181	2181	1996
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	28	28	28	28	28
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	5	5	5	5
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	90	89	78	78	78
Roughness Index	99	96	82	79	77
SCR (Surface Condition Rating)	84	85	76	78	79
Alligator Cracking	100	100	100	100	100
Rutting Index	84	82	80	92	91
Patching Index	100	100	100	100	100
Transverse Cracking	93	95	92	93	93
Longitudinal Cracking	98	98	97	97	98
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

COMMENTS:

- MP 5.94 INTERSECTION LEFT, UNPAVED PICNIC AREA
- MP 6.50 INTERSECTION LEFT (953)
- MP 8.44 PHOTO #3709 - HEAVY BLEEDING, LOOKING BACKWARDS
- MP 8.64 INTERSECTION LEFT (264)

ROUTE: 011 DESERT VIEW DRIVE





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 011 DESERT VIEW DRIVE

TOTAL LENGTH: 24.94 Miles

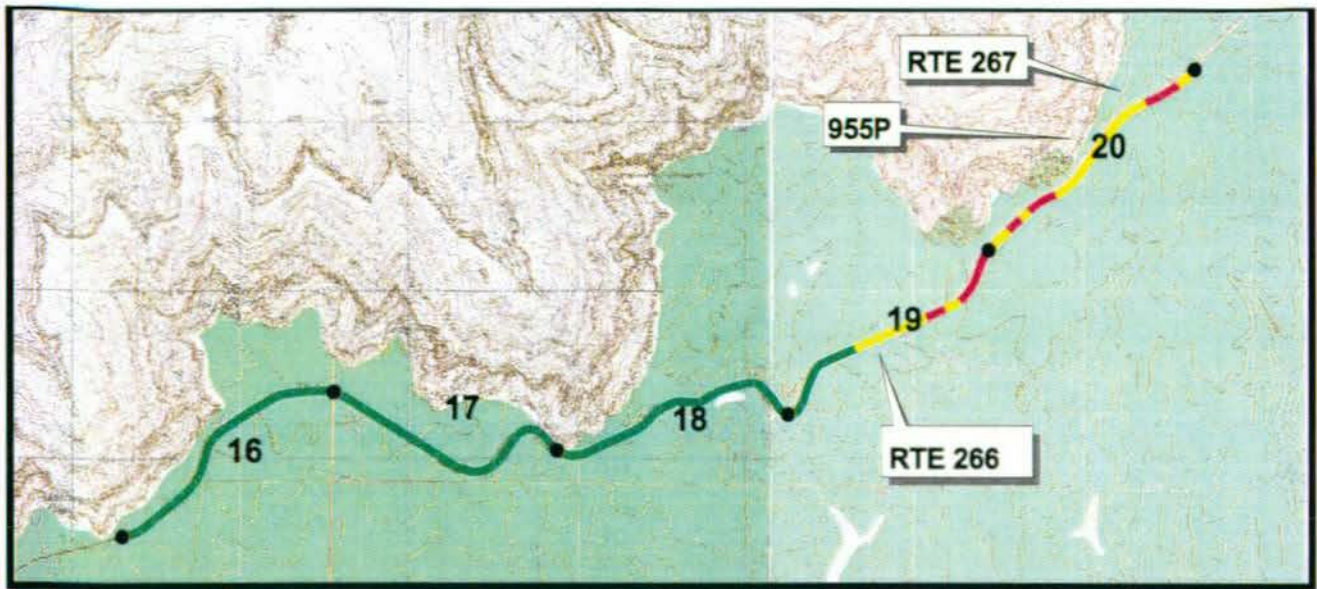
Section Number	11	12	13	14	15
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	2590	2590	2590	2590	2590
SADT	1996	1996	1996	1996	1996
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	28	28	28	28	28
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	5	5	5	5
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	76	84	87	90	91
Roughness Index	81	87	93	96	99
SCR (Surface Condition Rating)	73	81	83	86	86
Alligator Cracking	100	100	100	100	100
Rutting Index	88	86	82	83	83
Patching Index	100	100	100	100	100
Transverse Cracking	89	94	95	96	96
Longitudinal Cracking	97	97	97	99	98
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

COMMENTS:

- MP 10.68 INTERSECTION RIGHT (166)
- MP 11.92 INTERSECTION LEFT (954)
- MP 12.96 INTERSECTION RIGHT (UNPAVED)
- MP 13.40 PHOTO #3710 - TYPICAL PAVEMENT SECTION
- MP 14.54 INTERSECTION LEFT (265)

ROUTE: 011 DESERT VIEW DRIVE





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor   
 \* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
 GRCA: Grand Canyon NP

**ROUTE: 011 DESERT VIEW DRIVE**

**TOTAL LENGTH: 24.94 Miles**

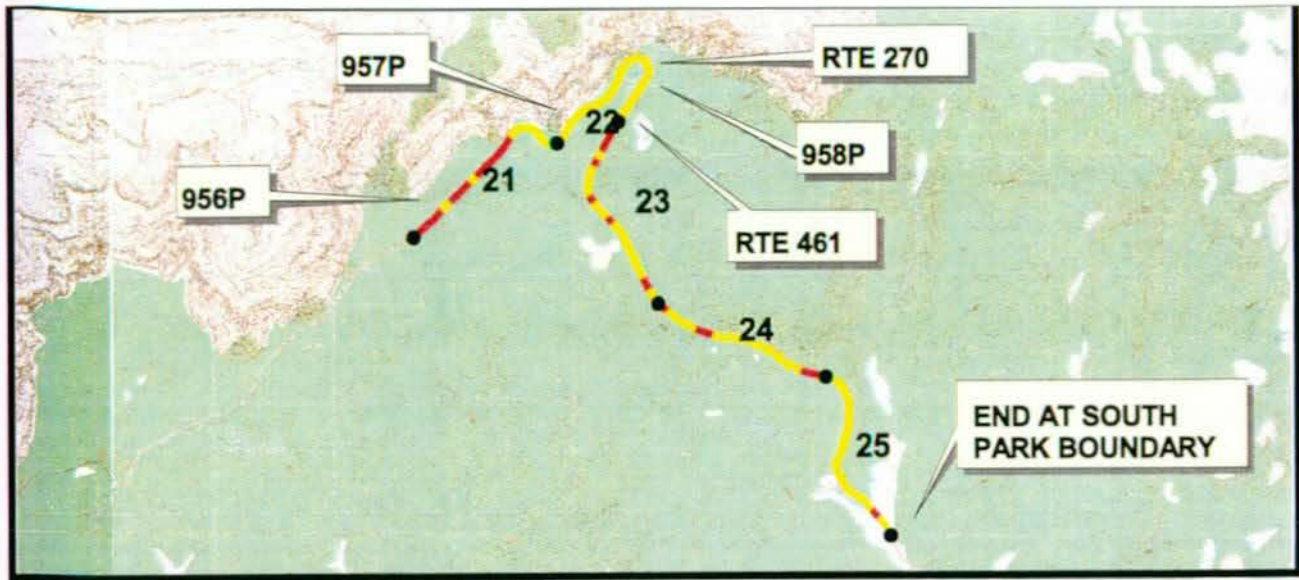
Section Number	16	17	18	19	20
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	2590	2590	2590	2590	2590
SADT	1996	1996	1996	1996	1996
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	28	28	28	22	22
Lane Width (ft)	11	11	11	10	10
Shoulder Width (ft)	5	5	5	4	4
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	91	90	90	72	65
Roughness Index	99	98	96	79	70
SCR (Surface Condition Rating)	85	84	85	67	61
Alligator Cracking	100	100	100	100	100
Rutting Index	81	81	82	84	82
Patching Index	100	100	100	100	100
Transverse Cracking	96	95	95	81	78
Longitudinal Cracking	98	98	98	97	96
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**COMMENTS:**

- MP 18.26 INTERSECTION RIGHT (266)
- MP 18.28 INTERSECTION RIGHT (266)
- MP 19.30 INTERSECTION LEFT (955)
- MP 19.34 INTERSECTION LEFT (955)
- MP 19.58 INTERSECTION LEFT (267)

ROUTE: 011 DESERT VIEW DRIVE





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
GRCA: Grand Canyon NP

ROUTE: 011 DESERT VIEW DRIVE

TOTAL LENGTH: 24.94 Miles

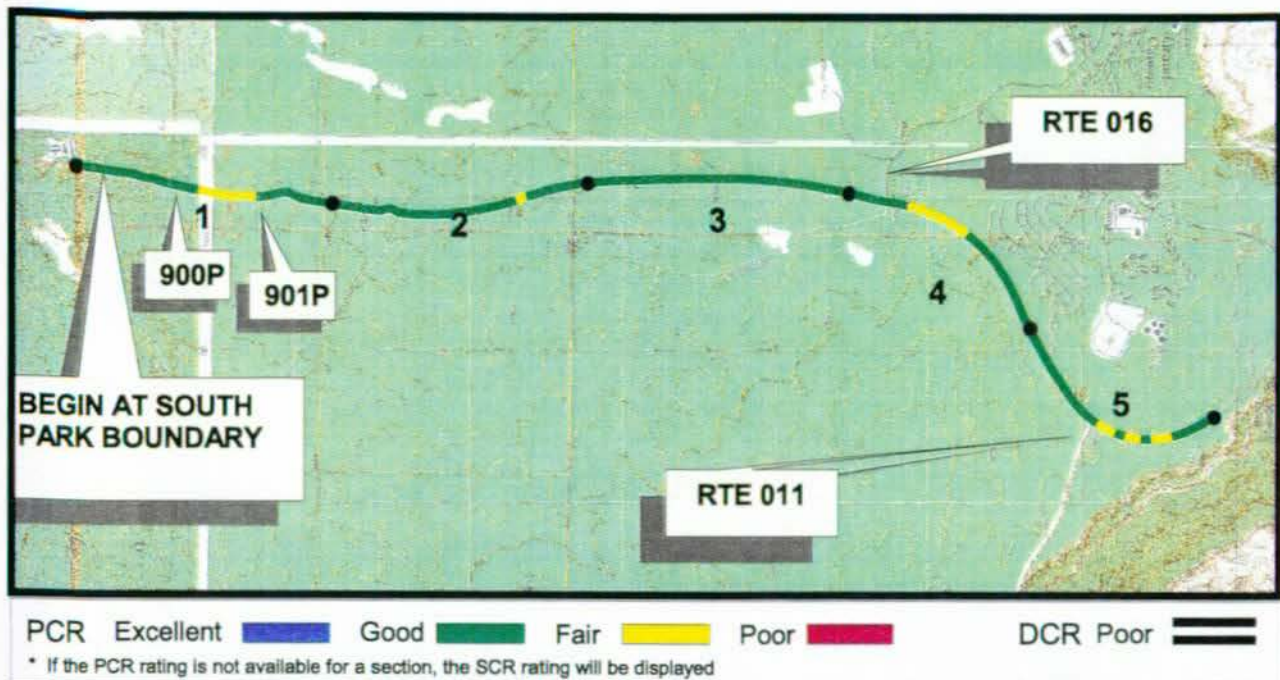
Section Number	21	22	23	24	25
Section Length (mi)	1.00	1.00	1.00	1.00	0.94
AADT	2590	2590	2060	2060	2060
SADT	1996	1996	1584	1584	1584
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	22	22
Lane Width (ft)	10	10	10	10	10
Shoulder Width (ft)	4	4	4	4	4
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	55	70	64	64	68
Roughness Index	53	78	65	64	68
SCR (Surface Condition Rating)	57	65	63	64	68
Alligator Cracking	100	100	100	100	100
Rutting Index	73	85	80	79	81
Patching Index	100	100	100	100	100
Transverse Cracking	80	80	81	82	83
Longitudinal Cracking	95	96	96	97	97
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

COMMENTS:

- MP 20.70 INTERSECTION LEFT (956)
- MP 21.52 INTERSECTION LEFT (957)
- MP 21.56 INTERSECTION RIGHT, UNPAVED SERVICE ROAD
- MP 21.62 INTERSECTION RIGHT, UNPAVED SERVICE ROAD; INTERSECTION LEFT (957)
- MP 21.64 INTERSECTION LEFT (270)
- MP 21.65 INTERSECTION LEFT (958)
- MP 21.70 INTERSECTION LEFT (958)
- MP 21.80 INTERSECTION LEFT (461)
- MP 21.82 INTERSECTION RIGHT (UNPAVED)
- MP 22.50 INTERSECTION RIGHT (UNPAVED)
- MP 25.00 END ROUTE AT SOUTH PARK BOUNDARY

ROUTE: 011 DESERT VIEW DRIVE





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 012 SOUTH ENTRANCE ROAD

TOTAL LENGTH: 7.44 Miles

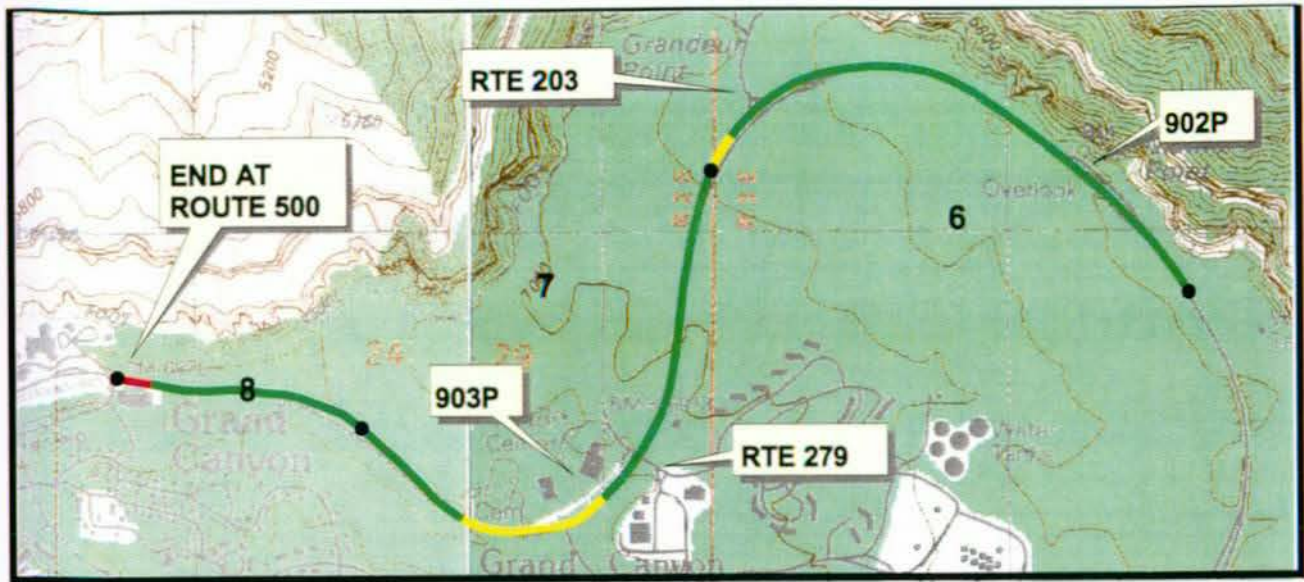
Section Number	1	2	3	4	5
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	9174	9174	9174	9174	7041
SADT	7404	7404	7404	7404	5569
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	30	30	30	30	30
Lane Width (ft)	13	13	13	13	13
Shoulder Width (ft)	6	6	6	6	6
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	88	92	93	90	89
Roughness Index	88	97	98	91	89
SCR (Surface Condition Rating)	88	89	89	89	88
Alligator Cracking	100	100	100	100	100
Rutting Index	98	100	99	96	90
Patching Index	100	100	100	100	100
Transverse Cracking	98	98	98	98	98
Longitudinal Cracking	98	98	98	98	98
Shoulder Condition Rating	FAIR	FAIR	FAIR	FAIR	FAIR
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

COMMENTS:

- MP 0.00 BEGIN ROUTE AT SOUTH BOUNDARY, PHOTO #3679
- MP 0.31 INTERSECTION RIGHT (900)
- MP 0.39 INTERSECTION RIGHT (900)
- MP 0.44 PHOTO #3680 - SOUTH ENTRANCE STATION
- MP 0.46 INTERSECTION RIGHT (901)
- MP 0.59 INTERSECTION LEFT, EXIT LOOP
- MP 1.62 INTERSECTION RIGHT, LONG JIM CANYON ROAD (UNPAVED)
- MP 1.88 INTERSECTION LEFT (UNPAVED)
- MP 3.28 INTERSECTION LEFT (016); INTERSECTION RIGHT, UNPAVED SERVICE ROAD
- MP 4.58 INTERSECTION RIGHT (011)
- MP 4.99 INTERSECTION LEFT

ROUTE: 012 SOUTH ENTRANCE ROAD





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor   
 \* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 012 SOUTH ENTRANCE ROAD

TOTAL LENGTH: 7.44 Miles

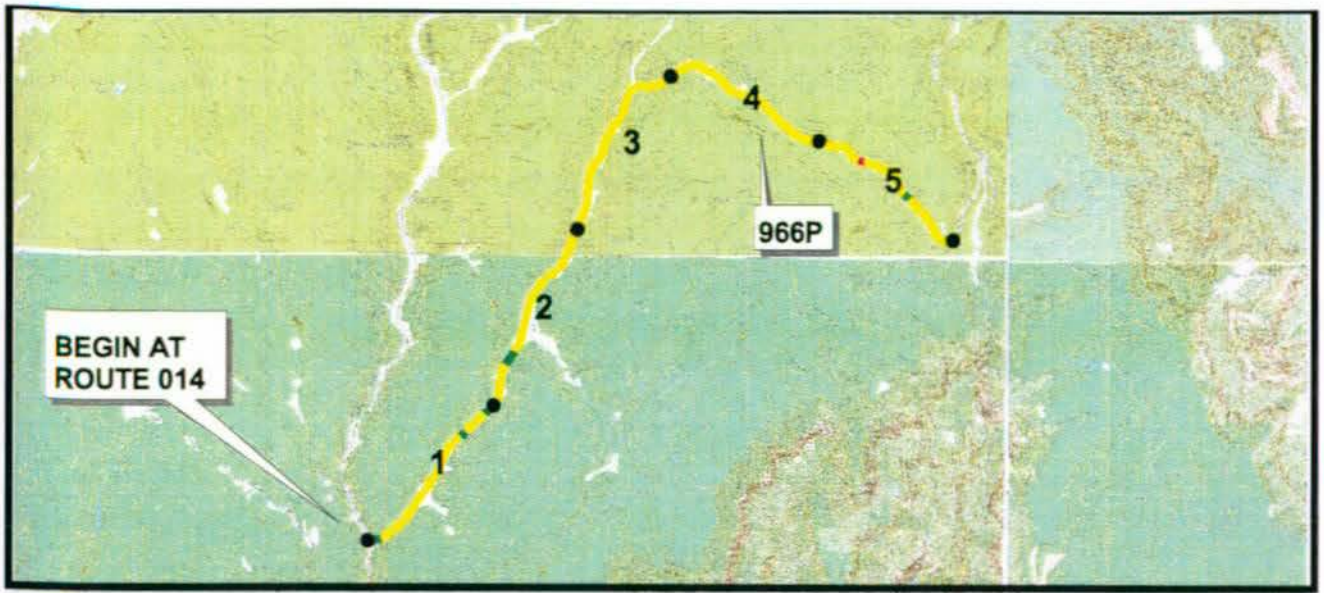
Section Number	6	7	8		
Section Length (mi)	1.00	1.00	0.44		
AADT	8526	8526	8046		
SADT	6648	6648	6274		
ADT Date	NA	NA	NA		
<b>Cross Section Information</b>					
Number of Lanes	2	2	2		
Paved Width (ft)	30	30	30		
Lane Width (ft)	13	13	13		
Shoulder Width (ft)	6	6	6		
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	91	85	85		
Roughness Index	95	80	80		
SCR (Surface Condition Rating)	88	88	88		
Alligator Cracking	100	100	100		
Rutting Index	92	92	82		
Patching Index	100	100	100		
Transverse Cracking	98	98	98		
Longitudinal Cracking	98	98	98		
Shoulder Condition Rating	FAIR	FAIR	FAIR		
Drainage Condition Rating	GOOD	GOOD	GOOD		

ROUTE: 012 SOUTH ENTRANCE ROAD

COMMENTS:

- MP 5.20 INTERSECTION RIGHT (902)
- MP 5.90 INTERSECTION RIGHT (203)
- MP 6.38 INTERSECTION LEFT, CLOSED SERVICE STATION
- MP 6.40 INTERSECTION LEFT, CLOSED SERVICE STATION
- MP 6.42 INTERSECTION RIGHT (903); INTERSECTION LEFT (279)
- MP 6.60 INTERSECTION RIGHT (903)
- MP 6.64 INTERSECTION RIGHT (903)
- MP 6.82 PHOTO #3681 - NEW CULVERT INSTALLATION, TYPICAL PAVEMENT SECTION
- MP 7.36 END AT ROUTE 500





PCR Excellent  Good  Fair  Poor  DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
GRCA: Grand Canyon NP

ROUTE: 013 CAPE ROYAL ROAD

TOTAL LENGTH: 19.68 Miles

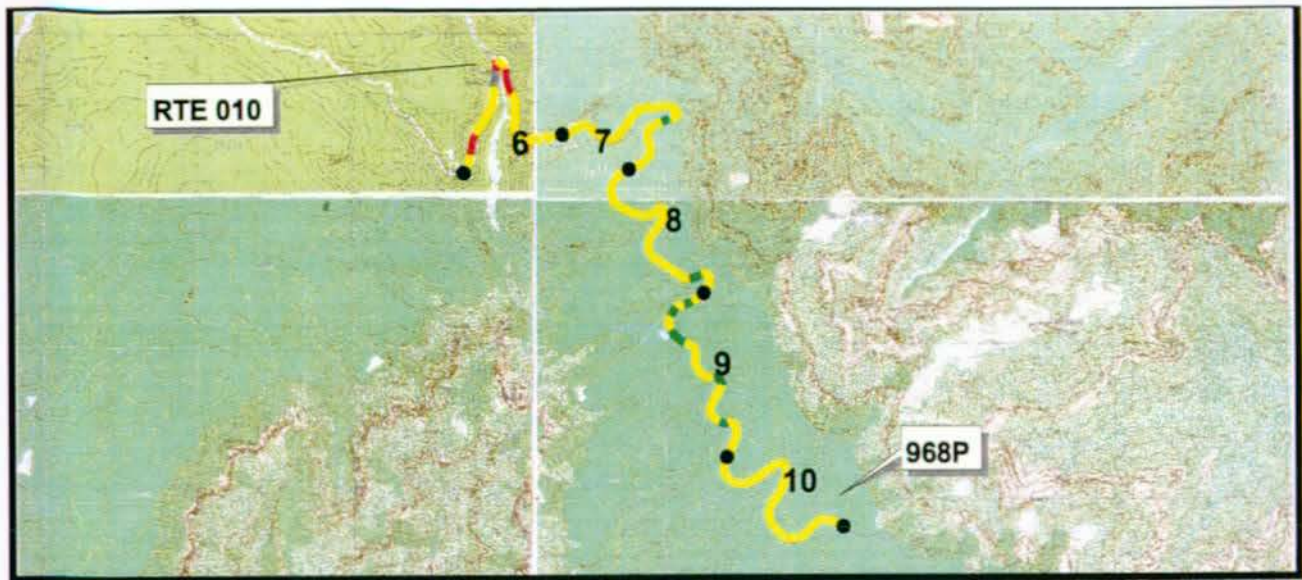
Section Number	1	2	3	4	5
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	924	924	924	924	924
SADT	303	303	303	303	303
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	21	21	21	21
Lane Width (ft)	10	10	10	10	10
Shoulder Width (ft)	1	1	1	1	1
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	80	77	76	78	73
Roughness Index	76	76	73	74	60
SCR (Surface Condition Rating)	81	77	78	80	83
Alligator Cracking	100	100	100	100	100
Rutting Index	96	96	97	97	94
Patching Index	100	100	100	100	100
Transverse Cracking	92	90	90	91	94
Longitudinal Cracking	99	97	98	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

COMMENTS:

MP 0.00 BEGIN AT ROUTE 014; PHOTO #46  
MP 3.70 INTERSECTION RIGHT (966)

ROUTE: 013 CAPE ROYAL ROAD





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
GRCA: Grand Canyon NP

ROUTE: 013 CAPE ROYAL ROAD

TOTAL LENGTH: 19.68 Miles

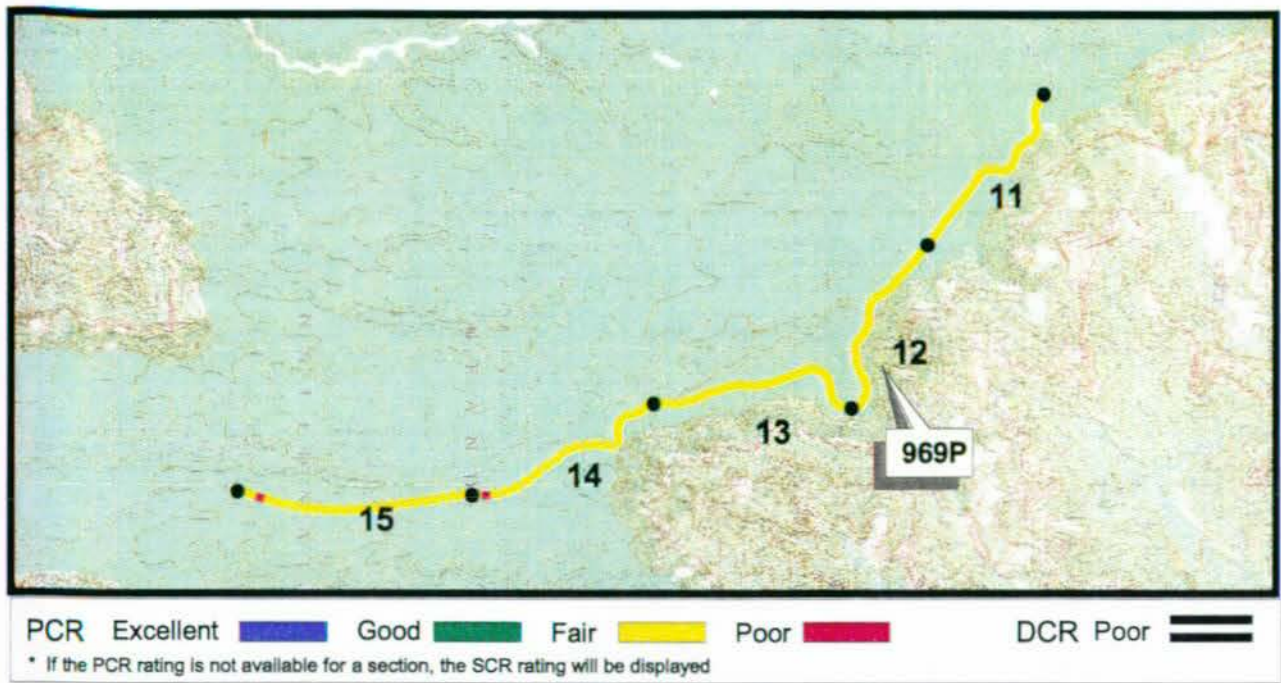
Section Number	6	7	8	9	10
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	924	712	712	712	712
SADT	303	234	234	234	234
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	21	20	20	20
Lane Width (ft)	10	10	10	10	10
Shoulder Width (ft)	1	1	1	1	1
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	69	77	79	81	75
Roughness Index	49	68	70	73	64
SCR (Surface Condition Rating)	81	82	84	86	83
Alligator Cracking	100	100	100	100	100
Rutting Index	91	95	96	96	94
Patching Index	100	100	100	100	100
Transverse Cracking	94	93	95	96	95
Longitudinal Cracking	99	99	99	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

COMMENTS:

- MP 5.32 INTERSECTION LEFT (010)
- MP 6.81 PHOTO #47 - TYPICAL PAVEMENT SECTION
- MP 6.88 INTERSECTION LEFT (UNPAVED)
- MP 9.93 INTERSECTION LEFT (968)

ROUTE: 013 CAPE ROYAL ROAD





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 013 CAPE ROYAL ROAD

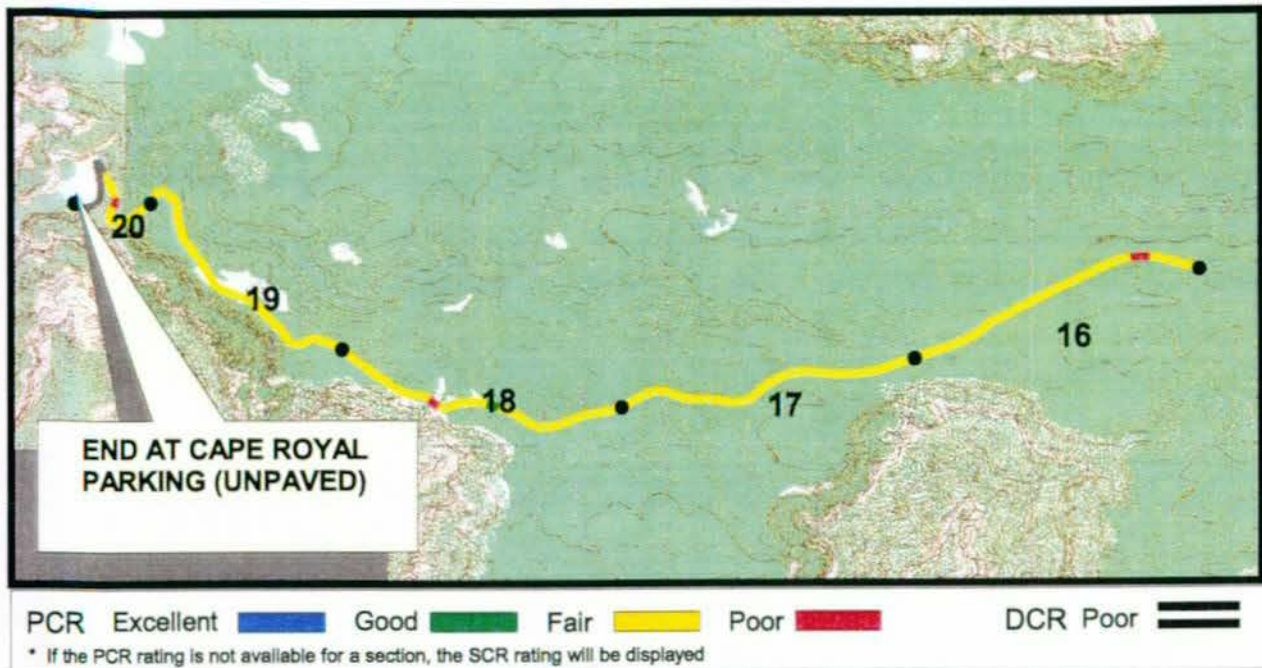
TOTAL LENGTH: 19.68 Miles

Section Number	11	12	13	14	15
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	712	712	712	712	712
SADT	234	234	234	234	234
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	20	19	19
Lane Width (ft)	10	10	10	8	8
Shoulder Width (ft)	1	1	1	1	1
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	75	75	73	69	70
Roughness Index	67	62	56	46	52
SCR (Surface Condition Rating)	81	84	85	84	81
Alligator Cracking	100	100	100	100	100
Rutting Index	93	93	92	92	89
Patching Index	100	100	100	100	100
Transverse Cracking	93	96	97	96	95
Longitudinal Cracking	99	99	100	100	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

COMMENTS:  
 MP 11.62 INTERSECTION LEFT (969)  
 MP 13.10 PHOTO #48 - TYPICAL PAVEMENT SECTION

ROUTE: 013 CAPE ROYAL ROAD





WR: Western Region  
GRCA: Grand Canyon NP

ROUTE: 013 CAPE ROYAL ROAD

TOTAL LENGTH: 19.68 Miles

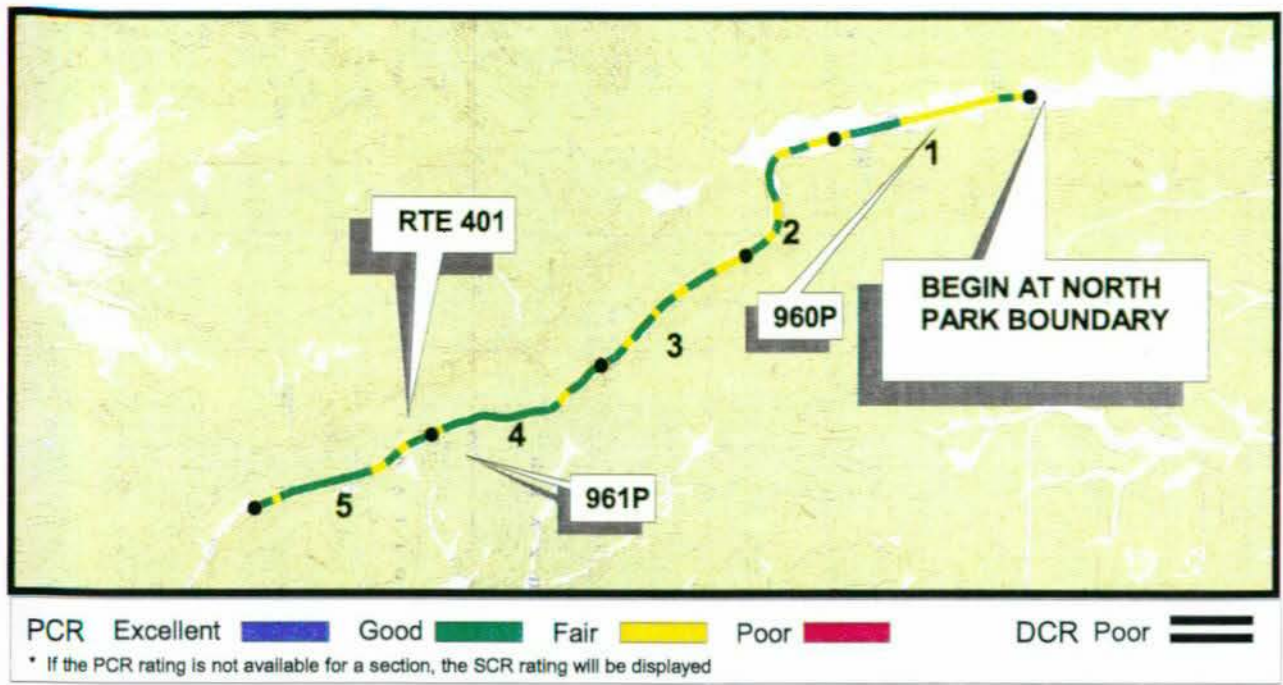
Section Number	16	17	18	19	20
Section Length (mi)	1.00	1.00	1.00	1.00	0.68
AADT	712	712	712	712	712
SADT	234	234	234	234	234
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	19	19	19	19
Lane Width (ft)	8	8	8	8	8
Shoulder Width (ft)	1	1	1	1	1
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	73	74	76	71	NA
Roughness Index	59	58	62	54	35
SCR (Surface Condition Rating)	82	84	84	83	81
Alligator Cracking	100	100	100	100	100
Rutting Index	93	94	95	91	92
Patching Index	100	100	100	100	100
Transverse Cracking	94	96	95	95	93
Longitudinal Cracking	99	100	100	100	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

COMMENTS:

- MP 17.12 INTERSECTION LEFT, TRAILHEAD PARKING (UNPAVED)
- MP 18.09 INTERSECTION LEFT, WAHALLA PLATEAU OVERLOOK PARKING (UNPAVED)
- MP 18.10 INTERSECTION RIGHT, UNPAVED SERVICE ROAD
- MP 19.68 END AT CAPE ROYAL PARKING (UNPAVED)

ROUTE: 013 CAPE ROYAL ROAD





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 014 NORTH ENTRANCE ROAD

TOTAL LENGTH: 12.74 Miles

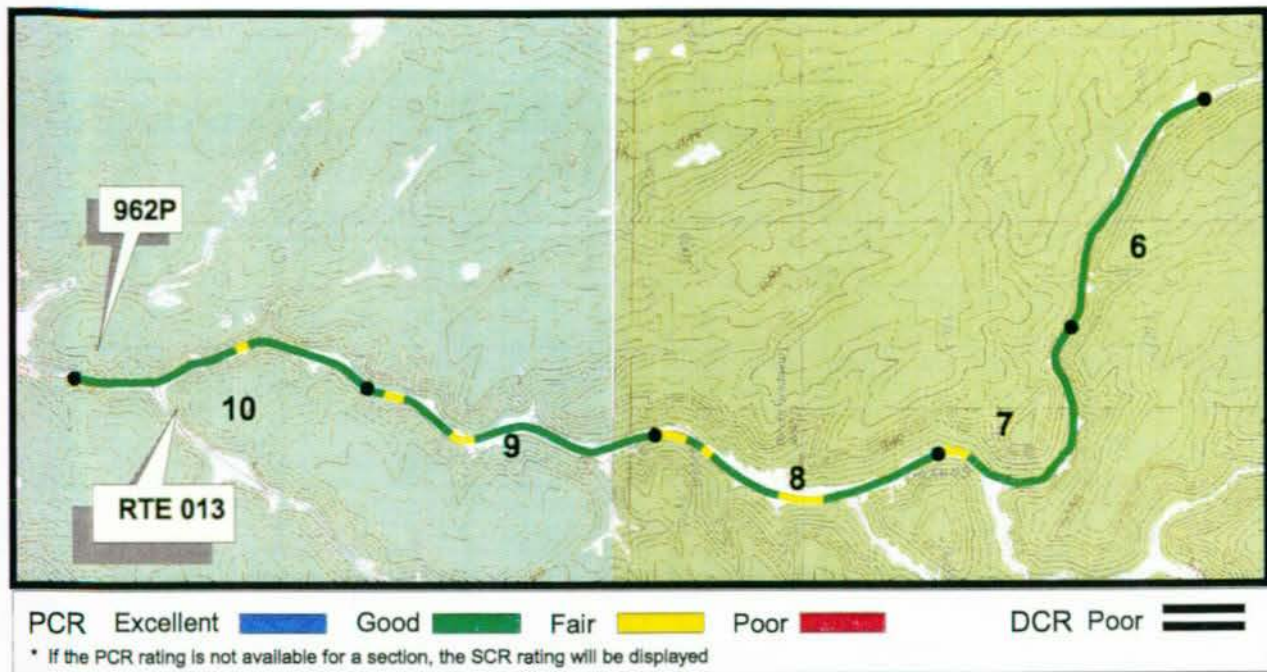
Section Number	1	2	3	4	5
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	1646	1646	1646	1646	1646
SADT	549	549	549	549	549
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	25	25	25	25	25
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	1	1	1	1	1
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	80	84	87	88	86
Roughness Index	83	88	93	90	88
SCR (Surface Condition Rating)	79	82	83	86	85
Alligator Cracking	100	100	100	100	100
Rutting Index	92	91	93	94	93
Patching Index	100	100	100	100	100
Transverse Cracking	92	95	95	97	96
Longitudinal Cracking	99	100	99	100	100
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

**COMMENTS:**

- MP 0.00 BEGIN ROUTE AT NORTH BOUNDARY; PHOTO #36
- MP 0.11 INTERSECTION LEFT (960)
- MP 3.92 INTERSECTION LEFT (961)
- MP 4.03 INTERSECTION LEFT (407)
- MP 4.11 INTERSECTION RIGHT (401), UNPAVED

ROUTE: 014 NORTH ENTRANCE ROAD





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 014 NORTH ENTRANCE ROAD

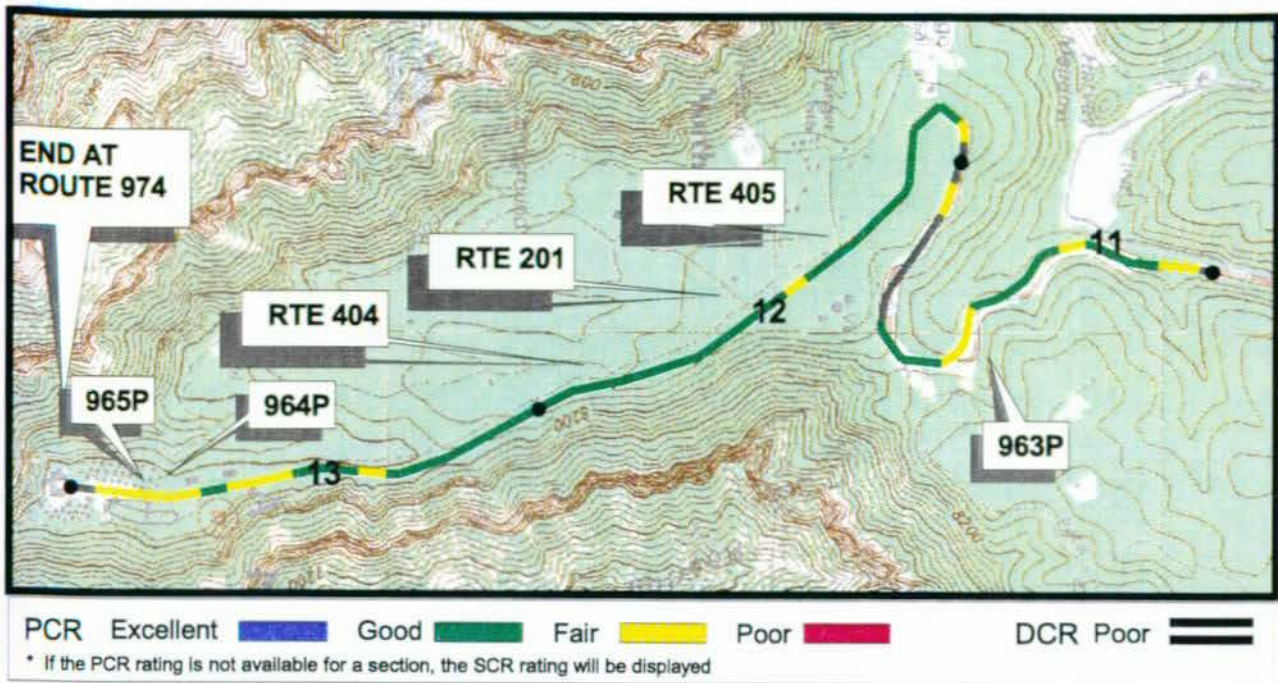
TOTAL LENGTH: 12.74 Miles

Section Number	6	7	8	9	10
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	1646	1646	1646	1646	1646
SADT	549	549	549	549	549
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	26	26	26	25	25
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	2	2	2	2	2
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	89	89	86	86	88
Roughness Index	95	94	90	90	93
SCR (Surface Condition Rating)	85	85	84	84	84
Alligator Cracking	100	100	100	100	100
Rutting Index	93	94	80	77	76
Patching Index	100	100	100	100	100
Transverse Cracking	96	96	97	97	97
Longitudinal Cracking	100	100	98	98	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

COMMENTS:  
 MP 5.35 PHOTO #38 - TYPICAL PAVEMENT SECTION  
 MP 7.53 PHOTO #39 - TYPICAL PAVEMENT SECTION  
 MP 9.66 INTERSECTION LEFT (013)  
 MP 9.92 INTERSECTION RIGHT (962), UNPAVED

ROUTE: 014 NORTH ENTRANCE ROAD





WR: Western Region  
GRCA: Grand Canyon NP

ROUTE: 014 NORTH ENTRANCE ROAD

TOTAL LENGTH: 12.74 Miles

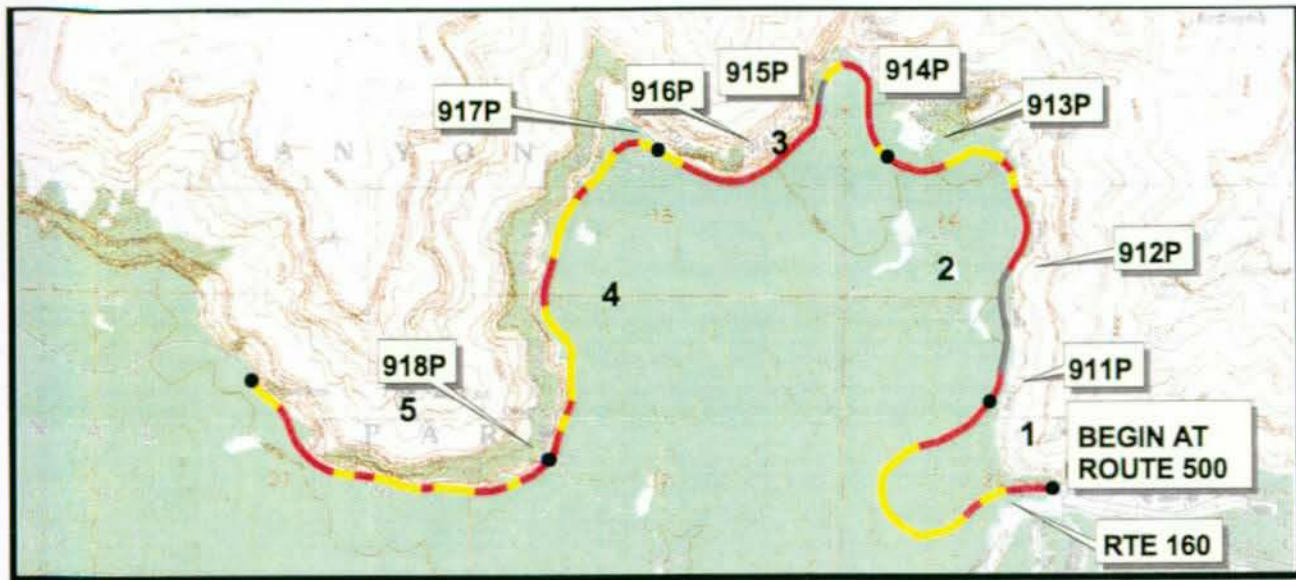
Section Number	11	12	13		
Section Length (mi)	1.00	1.00	0.74		
AADT	2264	2264	2264		
SADT	743	743	743		
ADT Date	NA	NA	NA		
<b>Cross Section Information</b>					
Number of Lanes	2	2	2		
Paved Width (ft)	26	26	26		
Lane Width (ft)	11	11	11		
Shoulder Width (ft)	2	2	2		
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA	88	83		
Roughness Index	71	86	77		
SCR (Surface Condition Rating)	85	86	85		
Alligator Cracking	100	100	100		
Rutting Index	78	78	75		
Patching Index	100	100	100		
Transverse Cracking	96	97	97		
Longitudinal Cracking	99	99	100		
Shoulder Condition Rating	GOOD	GOOD	GOOD		
Drainage Condition Rating	GOOD	GOOD	GOOD		

COMMENTS:

- MP 10.56 INTERSECTION LEFT (963)
- MP 11.34 INTERSECTION RIGHT (405)
- MP 11.35 INTERSECTION LEFT, UNPAVED SERVICE ROAD
- MP 11.53 INTERSECTION RIGHT (201)
- MP 11.77 INTERSECTION RIGHT (404)
- MP 12.30 INTERSECTION RIGHT, UNPAVED SERVICE ROAD
- MP 12.48 INTERSECTION LEFT (964/965)
- MP 12.52 INTERSECTION RIGHT, UNPAVED SERVICE ROAD
- MP 12.55 INTERSECTION LEFT (964/965)
- MP 12.60 END AT ROUTE 974

ROUTE: 014 NORTH ENTRANCE ROAD





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
GRCA: Grand Canyon NP

ROUTE: 015 HERMIT REST ROAD

TOTAL LENGTH: 7.00 Miles

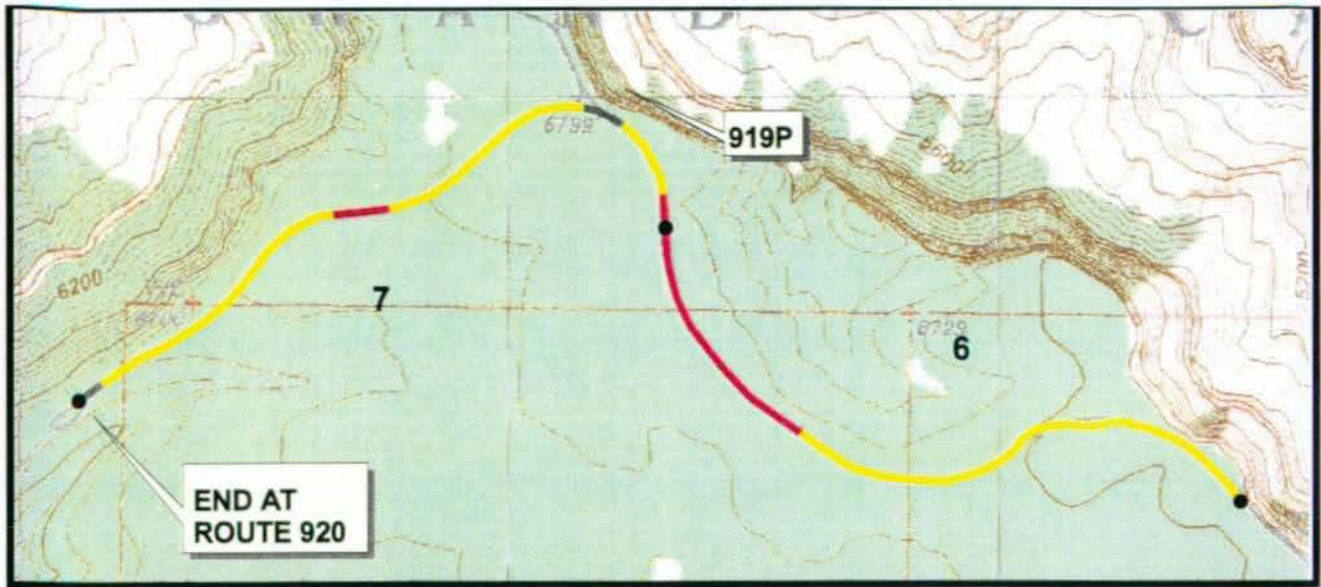
Section Number	1	2	3	4	5
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	NA	NA	NA	NA	NA
SADT	NA	NA	NA	NA	NA
ADT Date	NA	NA	NA	NA	NA
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	22	22
Lane Width (ft)	10	10	10	10	10
Shoulder Width (ft)	0	0	0	0	0
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	58	NA	57	62	59
Roughness Index	40	26	35	42	36
SCR (Surface Condition Rating)	69	75	71	76	75
Alligator Cracking	100	100	100	100	100
Rutting Index	69	74	73	77	77
Patching Index	99	100	100	100	100
Transverse Cracking	91	92	91	93	93
Longitudinal Cracking	96	96	97	98	97
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 015 HERMIT REST ROAD

**COMMENTS:**

- |  |   |
|--|---|
| <p>MP 0.00 BEGIN AT ROUTE 500<br/>MP 0.02 INTERSECTION LEFT, BUS TURN-AROUND<br/>MP 0.03 PHOTO #3682 - LOOKING BACKWARDS AT BUS STOP;<br/>PHOTO #3683 - TYPICAL PAVEMENT SECTION<br/>MP 0.12 INTERSECTION LEFT (160)<br/>MP 0.50 PHOTO #3684 - ASPHALT IN WESTBOUND LANE,<br/>OLD CHIPSEAL IN EASTBOUND LANE<br/>MP 1.02 INTERSECTION RIGHT (911)<br/>MP 1.41 INTERSECTION RIGHT (912)<br/>MP 1.43 INTERSECTION RIGHT (912)<br/>MP 1.68 INTERSECTION RIGHT (913)<br/>MP 1.70 INTERSECTION RIGHT (913)<br/>MP 2.02 INTERSECTION RIGHT (UNPAVED)</p> | <p>MP 2.14 INTERSECTION RIGHT (914)<br/>MP 2.24 INTERSECTION RIGHT (914)<br/>MP 2.32 INTERSECTION RIGHT (915)<br/>MP 2.33 INTERSECTION RIGHT (915)<br/>MP 2.39 INTERSECTION RIGHT (916)<br/>MP 2.40 INTERSECTION RIGHT (916)<br/>MP 3.00 INTERSECTION RIGHT (917)<br/>MP 3.40 PHOTO #3685 - TYPICAL PAVEMENT SECTION<br/>MP 4.00 INTERSECTION RIGHT (918)<br/>MP 4.83 INTERSECTION LEFT (UNPAVED)</p> |
|--|---|





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor   
 \* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 015 HERMIT REST ROAD

TOTAL LENGTH: 7.00 Miles

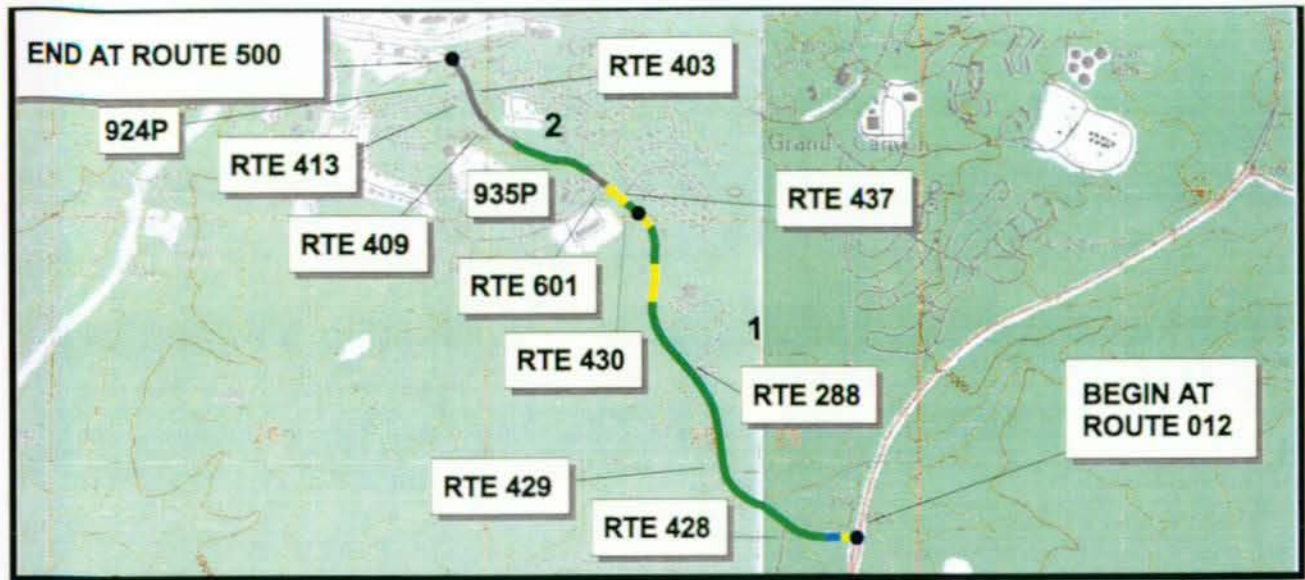
	6	7			
Section Number	6	7			
Section Length (mi)	1.00	1.00			
AADT	NA	NA			
SADT	NA	NA			
ADT Date	NA	NA			
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	22	22			
Lane Width (ft)	10	10			
Shoulder Width (ft)	0	0			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	64	64			
Roughness Index	46	44			
SCR (Surface Condition Rating)	76	77			
Alligator Cracking	100	100			
Rutting Index	74	80			
Patching Index	100	100			
Transverse Cracking	94	93			
Longitudinal Cracking	98	98			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

COMMENTS:

- MP 6.18 INTERSECTION RIGHT (919)
- MP 6.19 INTERSECTION RIGHT (919)
- MP 6.96 END AT ROUTE 920

ROUTE: 015 HERMIT REST ROAD





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor   
 \* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 016 CENTER ROAD

TOTAL LENGTH: 1.60 Miles

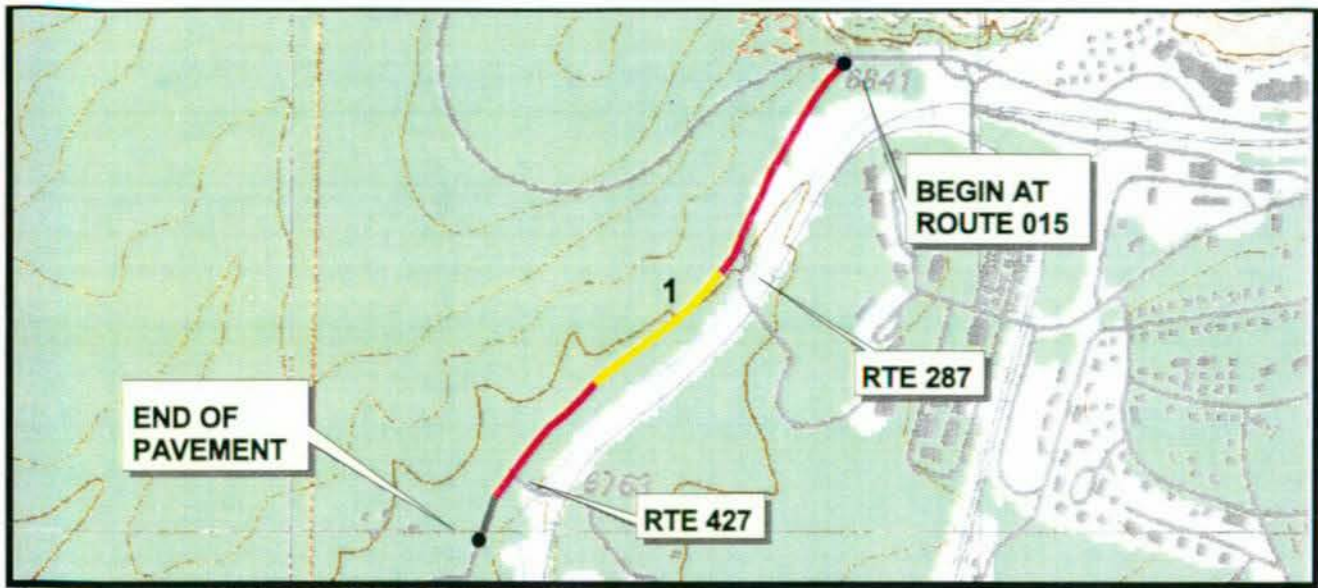
Section Number	1	2			
Section Length (mi)	1.00	0.60			
AADT	1547	1206			
SADT	1471	1146			
ADT Date	NA	NA			
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	28	28			
Lane Width (ft)	11	11			
Shoulder Width (ft)	4	4			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	87	NA			
Roughness Index	86	74			
SCR (Surface Condition Rating)	87	84			
Alligator Cracking	100	100			
Rutting Index	85	82			
Patching Index	100	100			
Transverse Cracking	99	99			
Longitudinal Cracking	95	94			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

**COMMENTS:**

- MP 0.00 BEGIN AT ROUTE 012; PHOTO #3690 - TYPICAL PAVEMENT SECTION
- MP 0.16 INTERSECTION LEFT (428)
- MP 0.42 INTERSECTION RIGHT (429)
- MP 0.60 INTERSECTION RIGHT (288)
- MP 1.02 INTERSECTION LEFT (430)
- MP 1.06 INTERSECTION RIGHT (437); INTERSECTION LEFT (430)
- MP 1.12 INTERSECTION LEFT (601)
- MP 1.40 INTERSECTION LEFT (935); PHOTO #3691 - TYPICAL PAVEMENT SECTION
- MP 1.44 INTERSECTION LEFT (409)
- MP 1.52 INTERSECTION LEFT (413); INTERSECTION RIGHT (403)
- MP 1.56 INTERSECTION LEFT (924)
- MP 1.57 INTERSECTION LEFT (924)
- MP 1.58 END AT ROUTE 500

ROUTE: 016 CENTER ROAD





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor   
 \* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 160 ROWE WELL ROAD

TOTAL LENGTH: 0.56 Miles

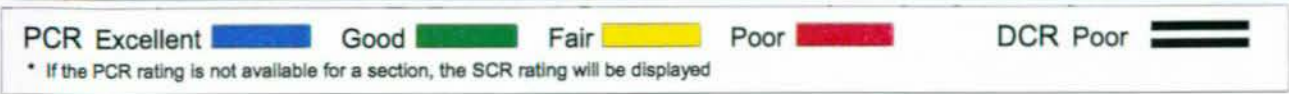
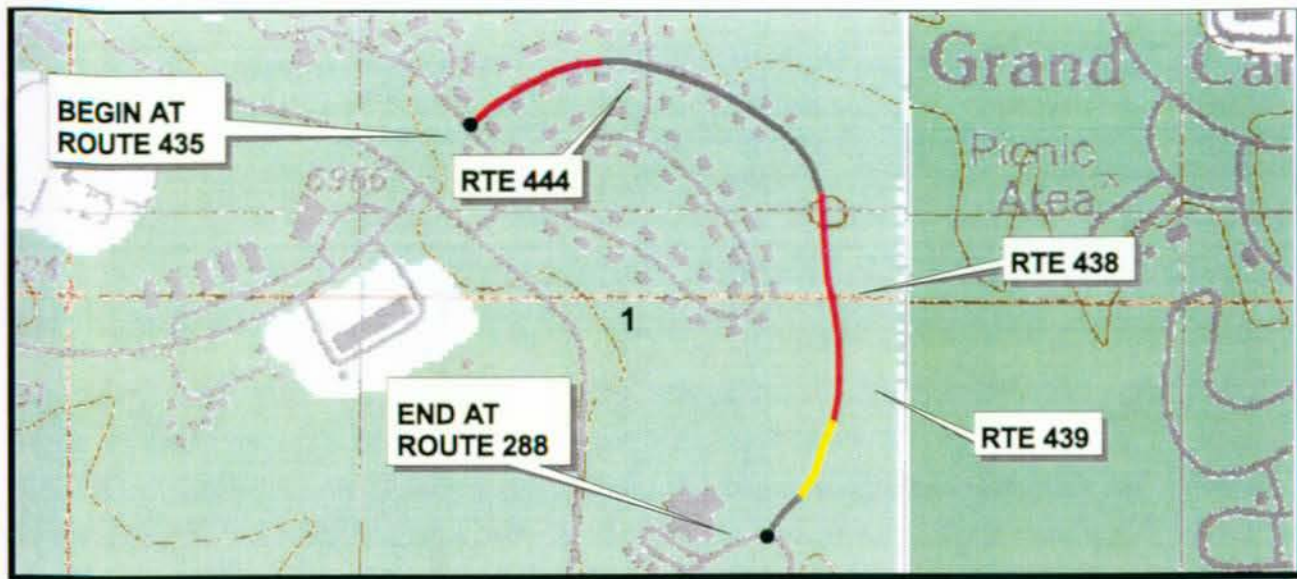
Section Number	1				
Section Length (mi)	0.56				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	59				
Roughness Index	25				
SCR (Surface Condition Rating)	82				
Alligator Cracking	100				
Rutting Index	90				
Patching Index	100				
Transverse Cracking	96				
Longitudinal Cracking	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

- MP 0.00 BEGIN AT ROUTE 015; PHOTO #3686
- MP 0.18 INTERSECTION LEFT (287)
- MP 0.44 INTERSECTION LEFT (427)
- MP 0.55 END OF PAVEMENT

ROUTE: 160 ROWE WELL ROAD





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 163 HAVASUPAI ROAD

TOTAL LENGTH: 0.60 Miles

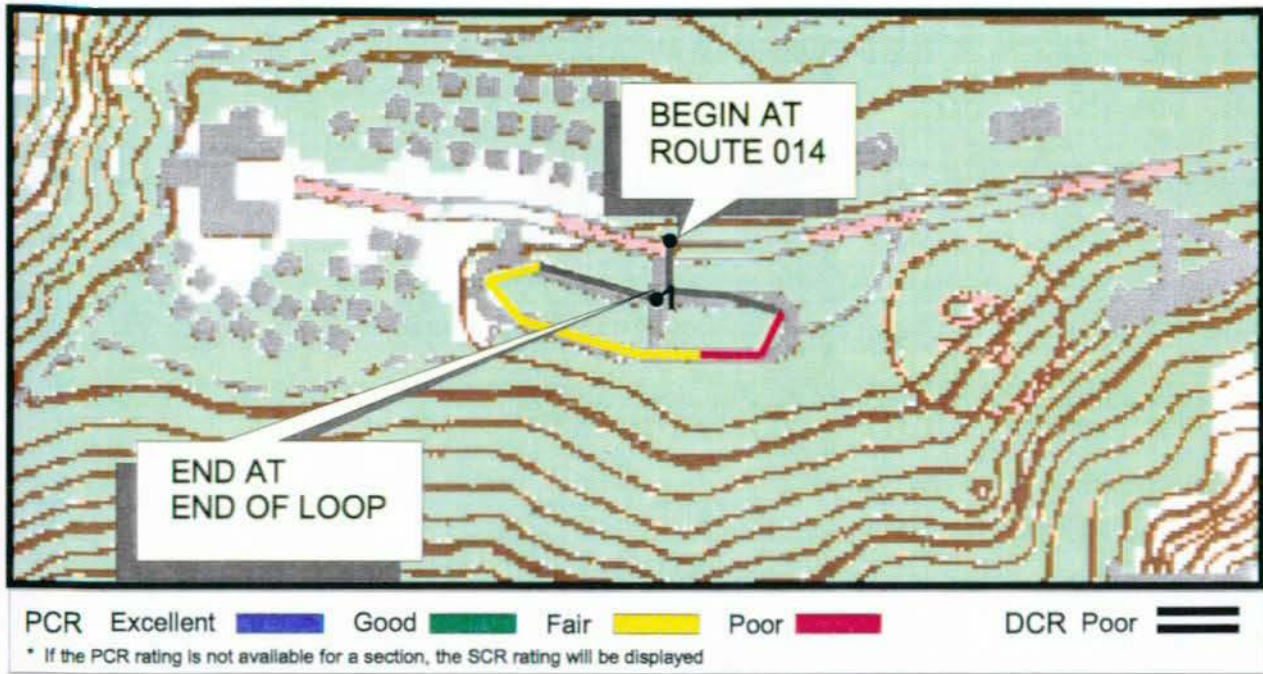
Section Number	1				
Section Length (mi)	0.60				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	18				
SCR (Surface Condition Rating)	76				
Alligator Cracking	98				
Rutting Index	94				
Patching Index	100				
Transverse Cracking	91				
Longitudinal Cracking	96				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

- MP 0.00 BEGIN AT ROUTE 435
- MP 0.14 INTERSECTION LEFT AND RIGHT (444)
- MP 0.42 INTERSECTION LEFT (438)
- MP 0.44 INTERSECTION LEFT (439)
- MP 0.58 END AT ROUTE 288

ROUTE: 163 HAVASUPAI ROAD





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 201 NORTH RIM CAMPGROUND ROAD

TOTAL LENGTH: 0.24 Miles

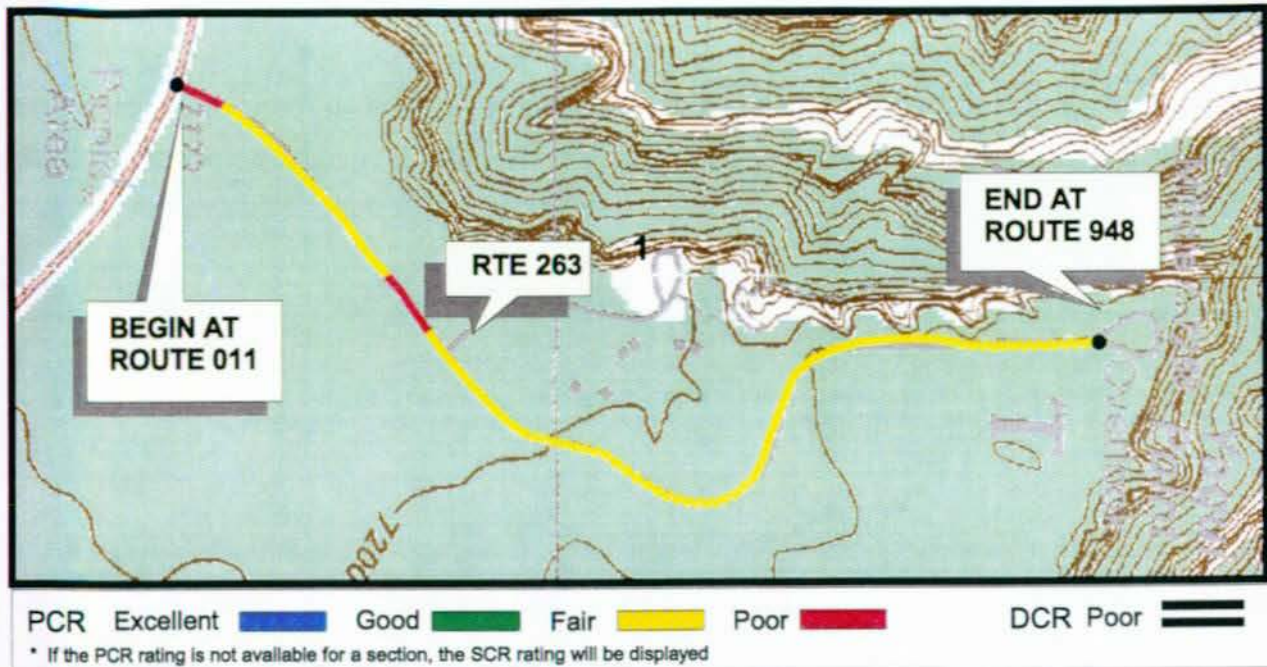
Section Number	1				
Section Length (mi)	0.24				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	12				
Shoulder Width (ft)	1				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	46				
SCR (Surface Condition Rating)	71				
Alligator Cracking	100				
Rutting Index	97				
Patching Index	96				
Transverse Cracking	93				
Longitudinal Cracking	93				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

MP 0.00 BEGIN AT ROUTE 014  
 MP 0.24 END AT ROUTE 972, 973

ROUTE: 201 NORTH RIM CAMPGROUND ROAD





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 262 YAKI POINT ROAD

TOTAL LENGTH: 0.96 Miles

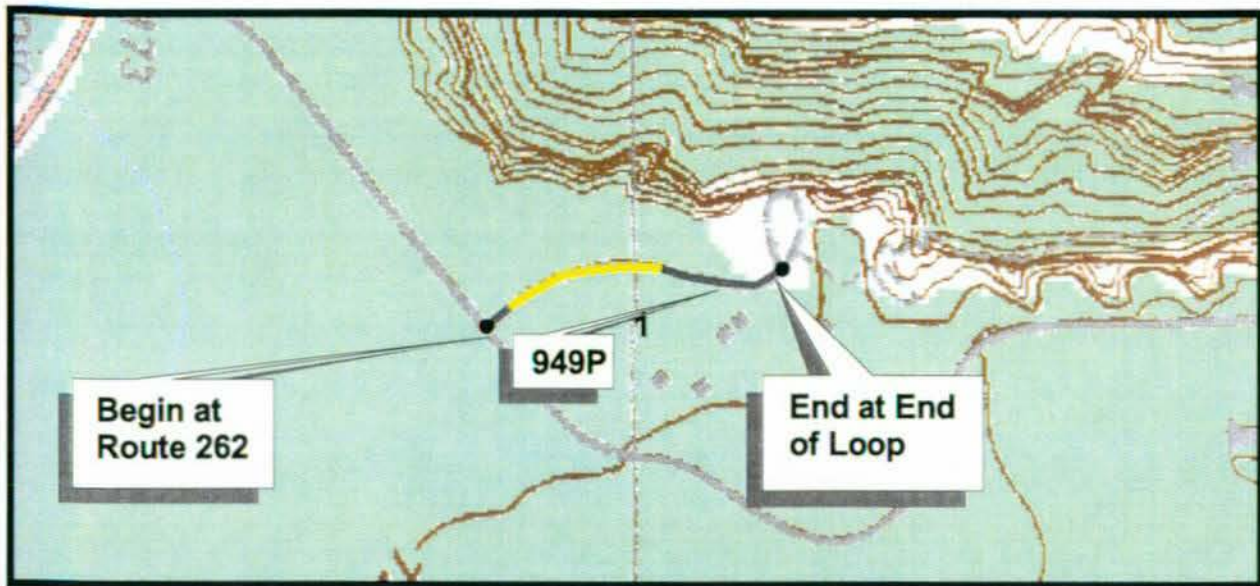
Section Number	1			
Section Length (mi)	0.96			
AADT	NA			
SADT	NA			
ADT Date	NA			
<b>Cross Section Information</b>				
Number of Lanes	2			
Paved Width (ft)	21			
Lane Width (ft)	10			
Shoulder Width (ft)	1			
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	72			
Roughness Index	55			
SCR (Surface Condition Rating)	83			
Alligator Cracking	100			
Rutting Index	98			
Patching Index	100			
Transverse Cracking	93			
Longitudinal Cracking	98			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

**COMMENTS:**

MP 0.00 BEGIN AT ROUTE 011; PHOTO #3713  
 MP 0.28 INTERSECTION LEFT (263)  
 MP 0.22 END AT ROUTE 948

ROUTE: 262 YAKI POINT ROAD





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor   
 \* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 263 KAIBAB TRAIL ACCESS ROAD

TOTAL LENGTH: 0.20 Miles

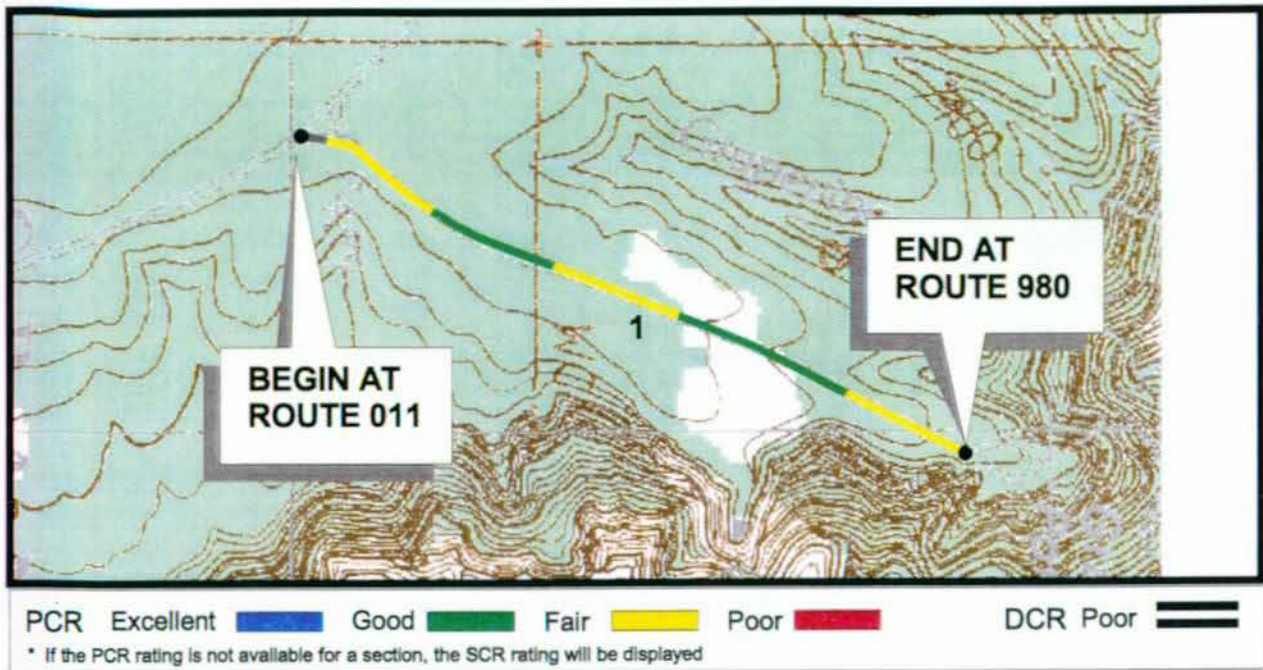
Section Number	1			
Section Length (mi)	0.20			
AADT	NA			
SADT	NA			
ADT Date	NA			
<b>Cross Section Information</b>				
Number of Lanes	2			
Paved Width (ft)	19			
Lane Width (ft)	9			
Shoulder Width (ft)	1			
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	NA			
Roughness Index	32			
SCR (Surface Condition Rating)	79			
Alligator Cracking	100			
Rutting Index	99			
Patching Index	100			
Transverse Cracking	91			
Longitudinal Cracking	95			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

COMMENTS:

MP 0.00 BEGIN AT ROUTE 262; PHOTO #3714  
 MP 0.16 INTERSECTION RIGHT (949)  
 MP 0.20 END AT END OF LOOP

ROUTE: 263 KAIBAB TRAIL ACCESS ROAD





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 264 GRANDVIEW POINT ROAD

TOTAL LENGTH: 0.56 Miles

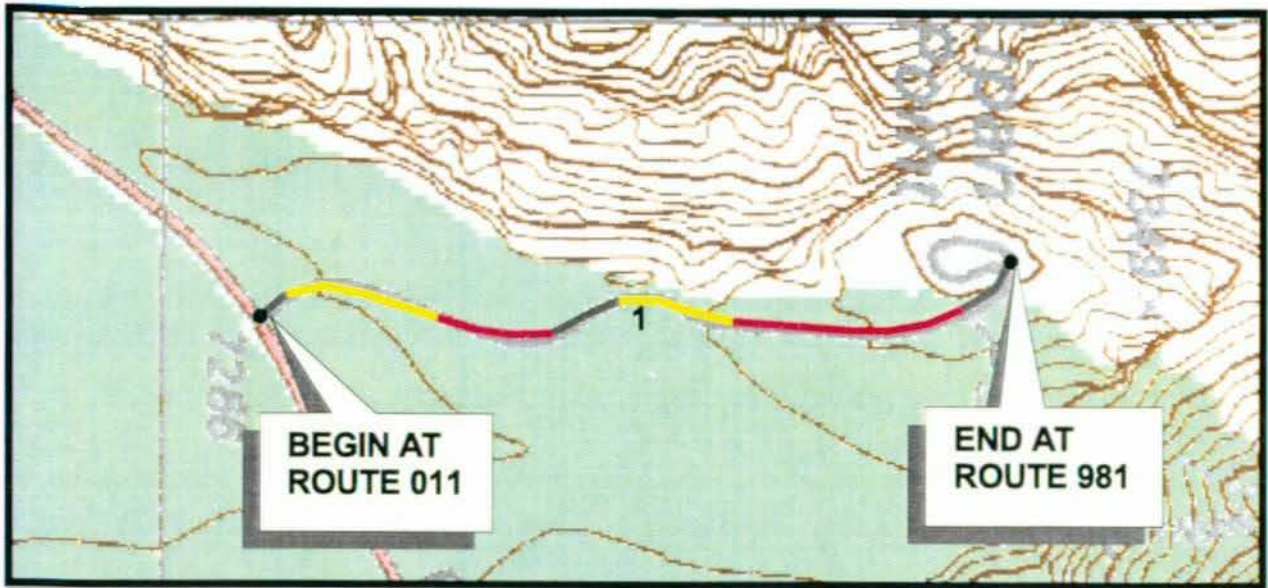
Section Number	1			
Section Length (mi)	0.56			
AADT	NA			
SADT	NA			
ADT Date	NA			
<b>Cross Section Information</b>				
Number of Lanes	2			
Paved Width (ft)	23			
Lane Width (ft)	10			
Shoulder Width (ft)	1			
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	76			
Roughness Index	55			
SCR (Surface Condition Rating)	88			
Alligator Cracking	100			
Rutting Index	100			
Patching Index	100			
Transverse Cracking	97			
Longitudinal Cracking	98			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

COMMENTS:

MP 0.00 BEGIN AT ROUTE 011  
 MP 0.55 END AT END OF LOOP

ROUTE: 264 GRANDVIEW POINT ROAD





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor   
 \* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 267 LIPAN POINT ROAD

TOTAL LENGTH: 0.42 Miles

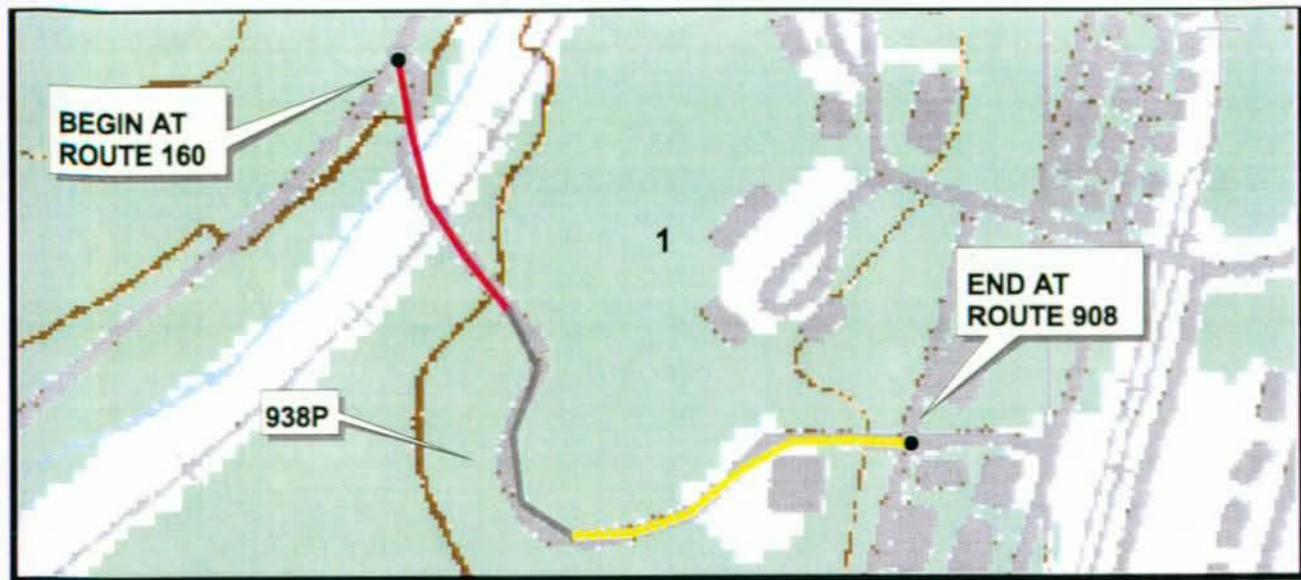
Section Number	1				
Section Length (mi)	0.42				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	60				
Roughness Index	49				
SCR (Surface Condition Rating)	63				
Alligator Cracking	100				
Rutting Index	92				
Patching Index	100				
Transverse Cracking	84				
Longitudinal Cracking	91				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

MP 0.00 BEGIN AT ROUTE 011; PHOTO #3712  
 MP 0.48 END AT END OF LOOP

ROUTE: 267 LIPAN POINT ROAD





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 287 ROUTE 160 ACCESS ROAD

TOTAL LENGTH: 0.28 Miles

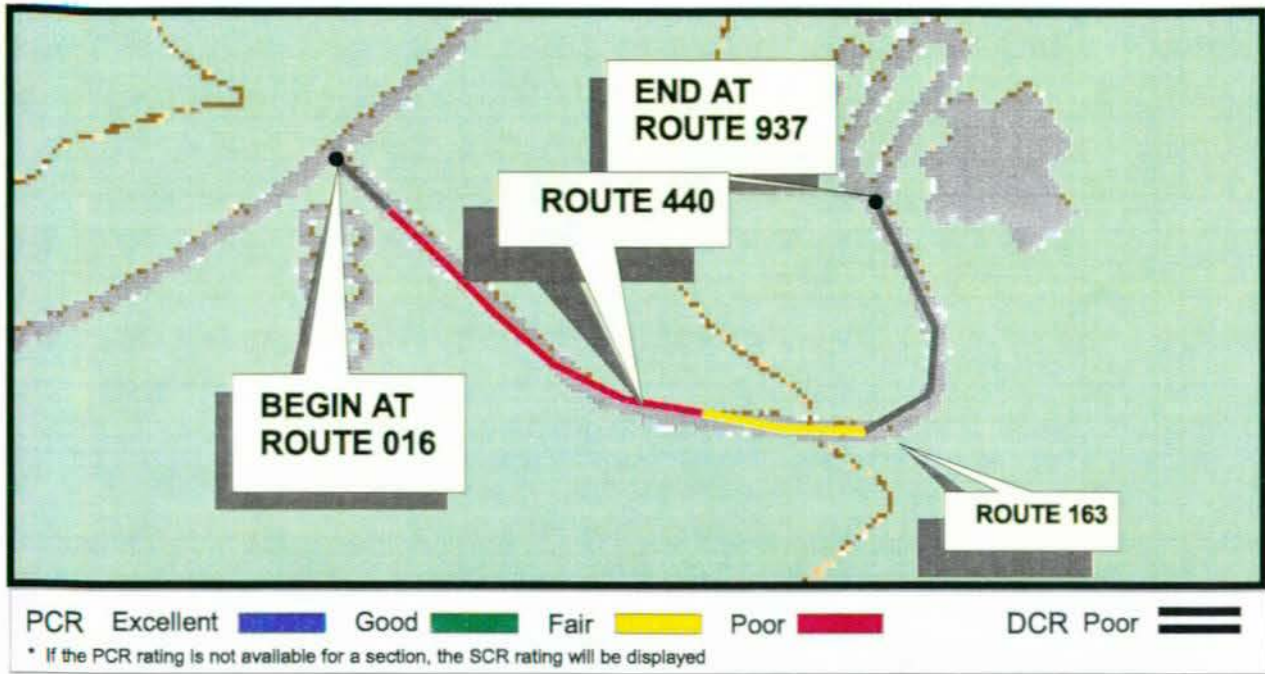
Section Number	1				
Section Length (mi)	0.28				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	30				
SCR (Surface Condition Rating)	87				
Alligator Cracking	100				
Rutting Index	97				
Patching Index	100				
Transverse Cracking	96				
Longitudinal Cracking	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

MP 0.00 BEGIN AT ROUTE 160; PHOTO #3689  
 MP 0.21 INTERSECTION RIGHT (938)  
 MP 0.23 INTERSECTION RIGHT (938)  
 MP 0.28 END AT ROUTE 908

ROUTE: 287 ROUTE 160 ACCESS ROAD





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 288 CLINIC ACCESS ROAD

TOTAL LENGTH: 0.24 Miles

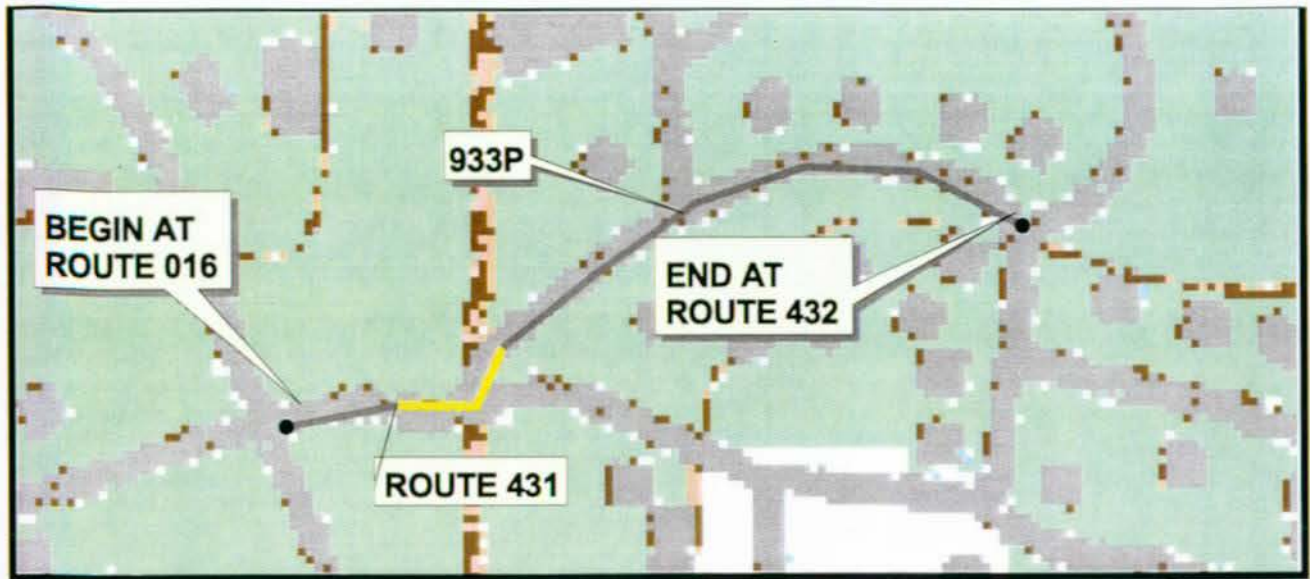
Section Number	1			
Section Length (mi)	0.24			
AADT	NA			
SADT	NA			
ADT Date	NA			
<b>Cross Section Information</b>				
Number of Lanes	2			
Paved Width (ft)	22			
Lane Width (ft)	11			
Shoulder Width (ft)	3			
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	NA			
Roughness Index	30			
SCR (Surface Condition Rating)	76			
Alligator Cracking	100			
Rutting Index	96			
Patching Index	100			
Transverse Cracking	91			
Longitudinal Cracking	96			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

COMMENTS:

- MP 0.00 BEGIN AT ROUTE 016; PHOTO #3697
- MP 0.10 INTERSECTION RIGHT (440)
- MP 0.18 INTERSECTION RIGHT (163)
- MP 0.20 INTERSECTION RIGHT (937)
- MP 0.22 END AT ROUTE 937

ROUTE: 288 CLINIC ACCESS ROAD





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor   
 \* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 403 TONTO STREET TOTAL LENGTH: 0.14 Miles

Section Number	1				
Section Length (mi)	0.14				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	20				
SCR (Surface Condition Rating)	NA				
Alligator Cracking	NA				
Rutting Index	96				
Patching Index	100				
Transverse Cracking	NA				
Longitudinal Cracking	NA				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

MP 0.00 BEGIN AT ROUTE 016; PHOTO #3706  
 MP 0.06 INTERSECTION RIGHT (431)  
 MP 0.08 INTERSECTION LEFT (933)  
 MP 0.16 END AT ROUTE 432

ROUTE: 403 TONTO STREET





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 404 NORTH RIM RESIDENCE ROAD

TOTAL LENGTH: 0.12 Miles

Section Number	1				
Section Length (mi)	0.12				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	1				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	4				
SCR (Surface Condition Rating)	74				
Alligator Cracking	100				
Rutting Index	88				
Patching Index	100				
Transverse Cracking	91				
Longitudinal Cracking	97				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

MP 0.00 BEGIN AT ROUTE 014; PHOTO #113  
 MP 0.10 END AT END OF ROUTE

ROUTE: 404 NORTH RIM RESIDENCE ROAD





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 405 NORTH RIM RANGER STATION ROAD

TOTAL LENGTH: 0.12 Miles

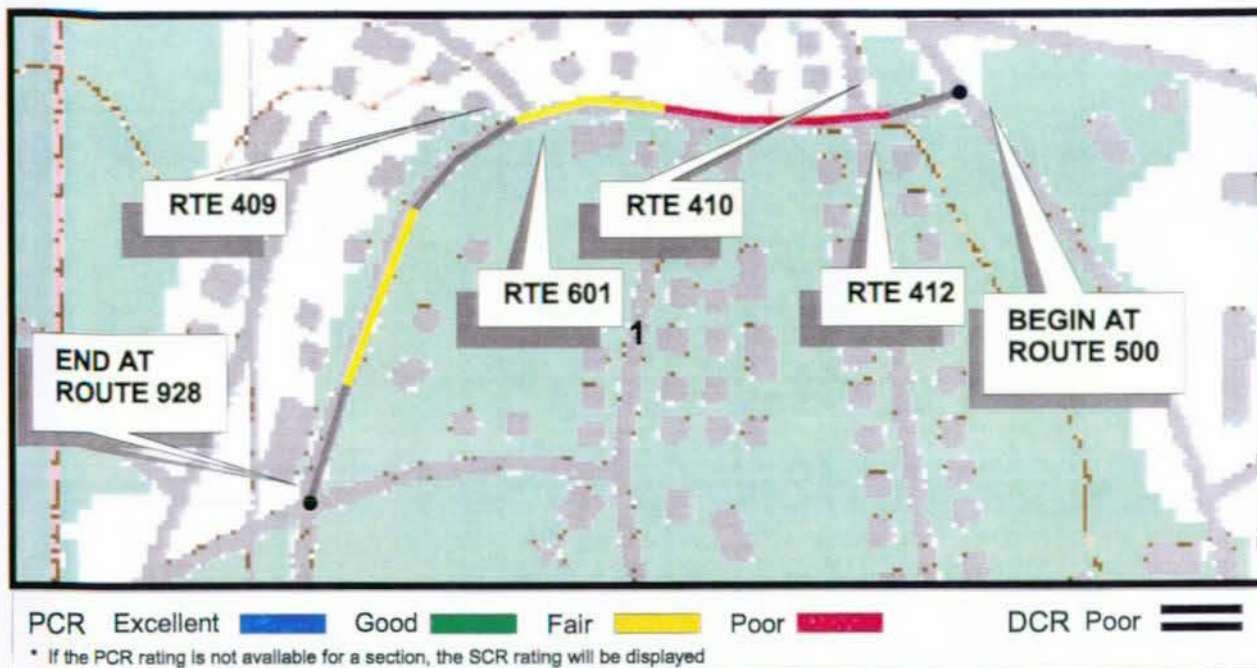
Section Number	1				
Section Length (mi)	0.12				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	1				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	0				
SCR (Surface Condition Rating)	NA				
Alligator Cracking	NA				
Rutting Index	78				
Patching Index	100				
Transverse Cracking	NA				
Longitudinal Cracking	NA				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

MP 0.00 BEGIN AT ROUTE 014, PHOTO #125  
 MP 0.04 INTERSECTION RIGHT (976)  
 MP 0.12 END AT END OF LOOP

ROUTE: 405 NORTH RIM RANGER STATION ROAD





WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 408 COCONINO ROAD

TOTAL LENGTH: 0.26 Miles

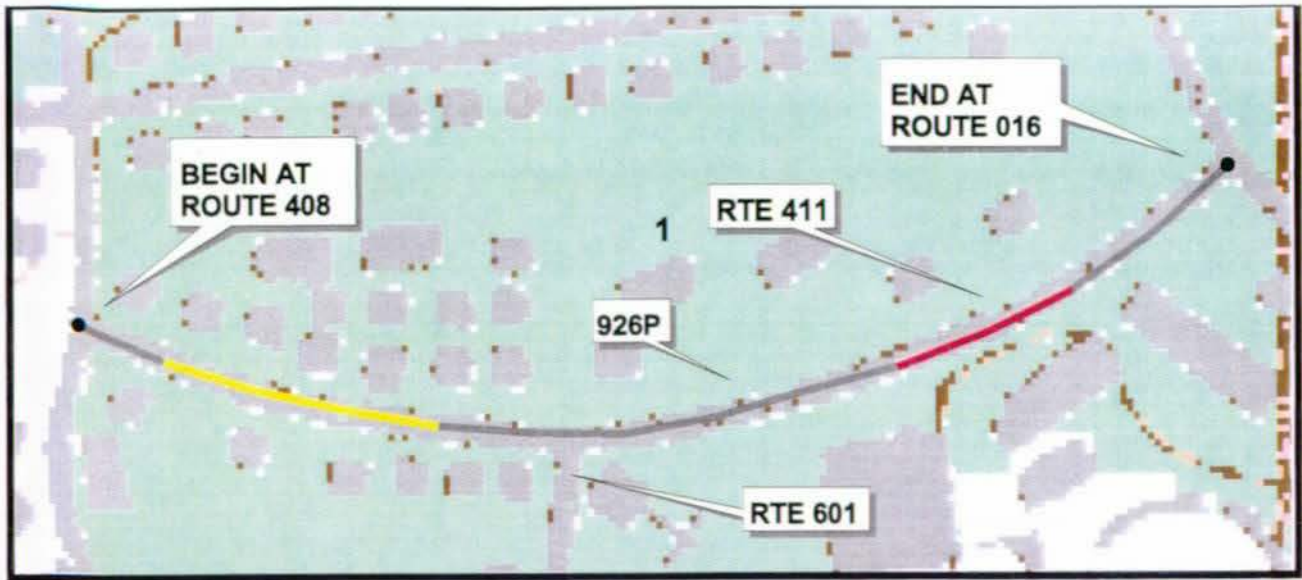
Section Number	1			
Section Length (mi)	0.26			
AADT	NA			
SADT	NA			
ADT Date	NA			
<b>Cross Section Information</b>				
Number of Lanes	2			
Paved Width (ft)	22			
Lane Width (ft)	11			
Shoulder Width (ft)	1			
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	58			
Roughness Index	27			
SCR (Surface Condition Rating)	79			
Alligator Cracking	100			
Rutting Index	78			
Patching Index	100			
Transverse Cracking	96			
Longitudinal Cracking	100			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

COMMENTS:

MP 0.00 BEGIN AT ROUTE 500  
 MP 0.08 INTERSECTION LEFT (409)  
 MP 0.09 INTERSECTION RIGHT (410)  
 MP 0.11 INTERSECTION RIGHT (412)  
 MP 0.26 INTERSECTION LEFT AND RIGHT (601)  
 MP 0.36 END AT ROUTE 928

ROUTE: 408 COCONINO ROAD





WR: Western Region  
 GRCA: Grand Canyon NP

**ROUTE: 409 BOULDER STREET**

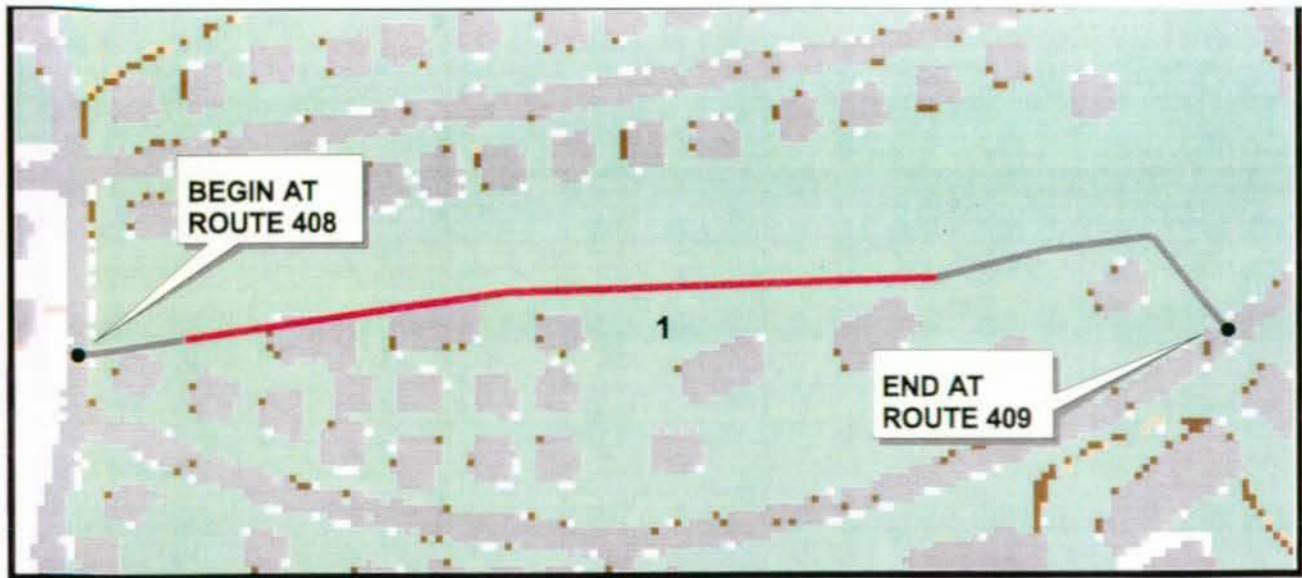
**TOTAL LENGTH: 0.26 Miles**

Section Number	1				
Section Length (mi)	0.26				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	53				
Roughness Index	16				
SCR (Surface Condition Rating)	77				
Alligator Cracking	100				
Rutting Index	89				
Patching Index	100				
Transverse Cracking	96				
Longitudinal Cracking	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

**COMMENTS:**

- MP 0.00 BEGIN AT ROUTE 408; PHOTO #3703
- MP 0.12 INTERSECTION RIGHT (601)
- MP 0.14 INTERSECTION RIGHT (926)
- MP 0.22 INTERSECTION LEFT (411)
- MP 0.26 END AT ROUTE 016

ROUTE: 409 BOULDER STREET



PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
GRCA: Grand Canyon NP

ROUTE: 411 BOULDER ALLEY

TOTAL LENGTH: 0.22 Miles

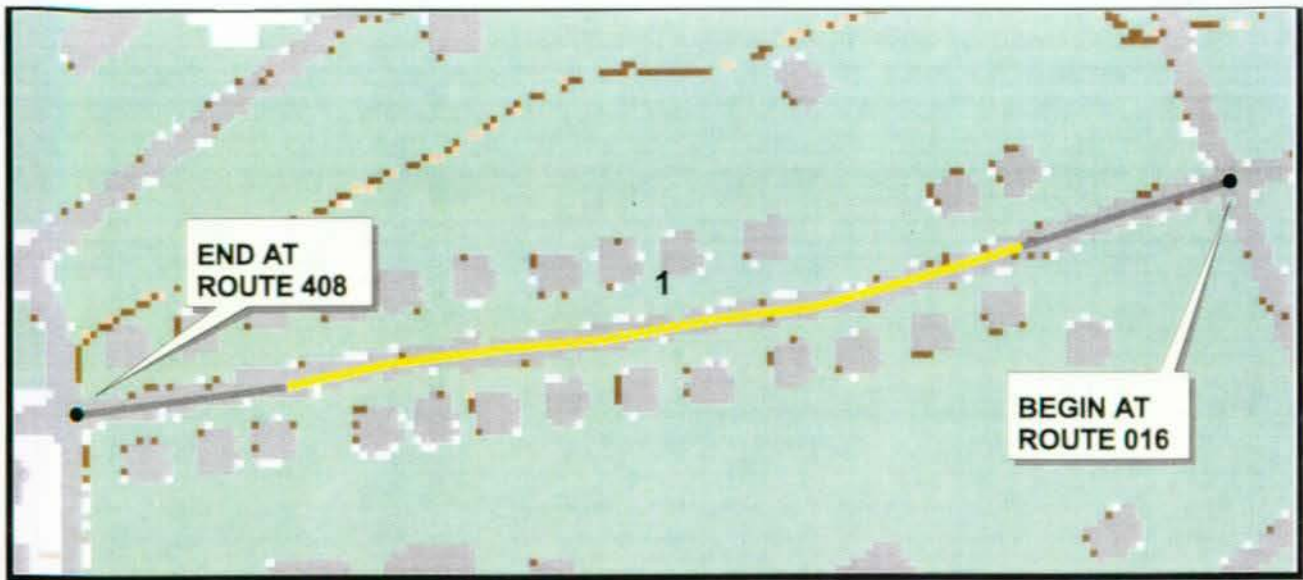
Section Number	1				
Section Length (mi)	0.22				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	53				
Roughness Index	17				
SCR (Surface Condition Rating)	77				
Alligator Cracking	100				
Rutting Index	85				
Patching Index	100				
Transverse Cracking	95				
Longitudinal Cracking	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

MP 0.00 BEGIN AT ROUTE 408  
MP 0.36 END AT ROUTE 409; PHOTO #3704 - LOOKING BACKWARDS

ROUTE: 411 BOULDER ALLEY





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor   
 \* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 413 APACHE STREET

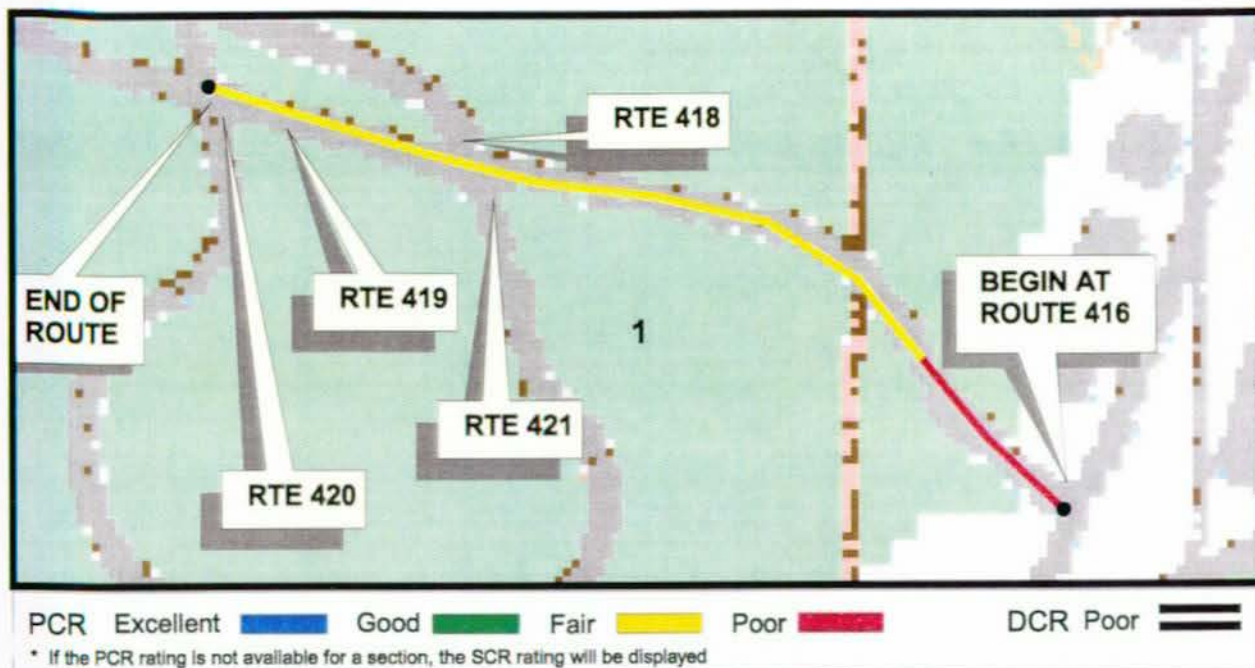
TOTAL LENGTH: 0.22 Miles

Section Number	1				
Section Length (mi)	0.22				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	12				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	70				
Roughness Index	44				
SCR (Surface Condition Rating)	87				
Alligator Cracking	100				
Rutting Index	95				
Patching Index	100				
Transverse Cracking	96				
Longitudinal Cracking	100				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

MP 0.00 BEGIN AT ROUTE 016; PHOTO #3705  
 MP 0.22 END AT ROUTE 408

ROUTE: 413 APACHE STREET



WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 417 HUALAPAI ROAD

TOTAL LENGTH: 0.18 Miles

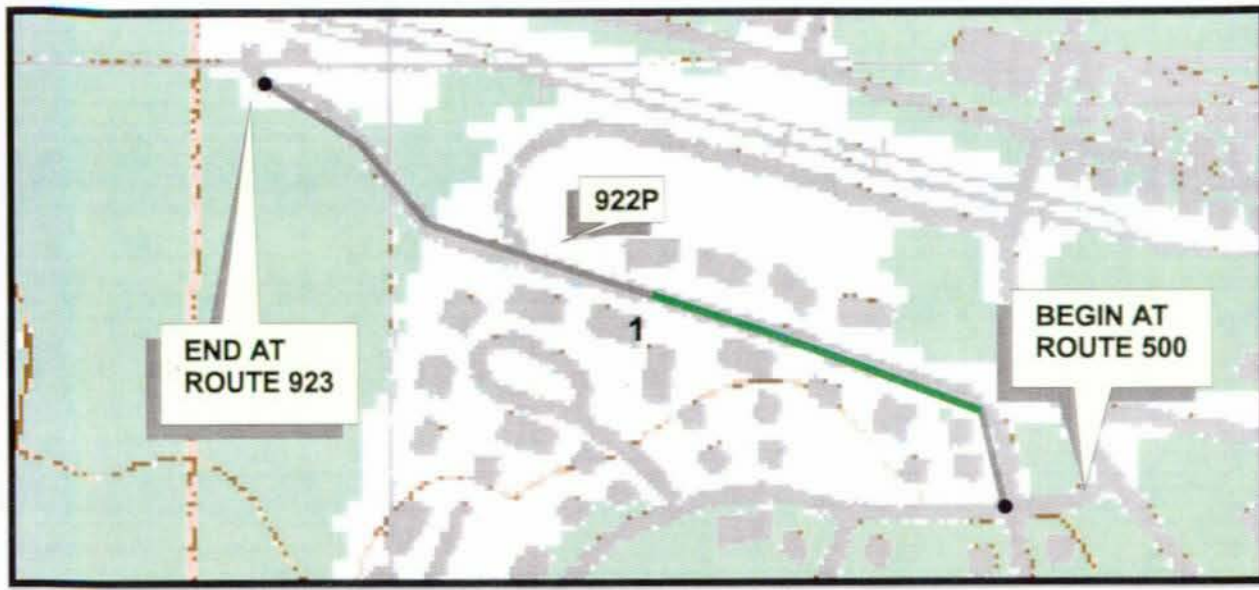
Section Number	1				
Section Length (mi)	0.18				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width (ft)	1				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	73				
Roughness Index	47				
SCR (Surface Condition Rating)	91				
Alligator Cracking	100				
Rutting Index	96				
Patching Index	100				
Transverse Cracking	100				
Longitudinal Cracking	100				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

- MP 0.00 BEGIN AT ROUTE 416; PHOTO #3715
- MP 0.08 INTERSECTION RIGHT (418)
- MP 0.10 INTERSECTION LEFT (421)
- MP 0.13 INTERSECTION LEFT (421)
- MP 0.14 INTERSECTION RIGHT (420)
- MP 0.16 INTERSECTION LEFT (419); END AT END OF PAVEMENT

ROUTE: 417 HUALAPAI ROAD





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor   
 \* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
 GRCA: Grand Canyon NP

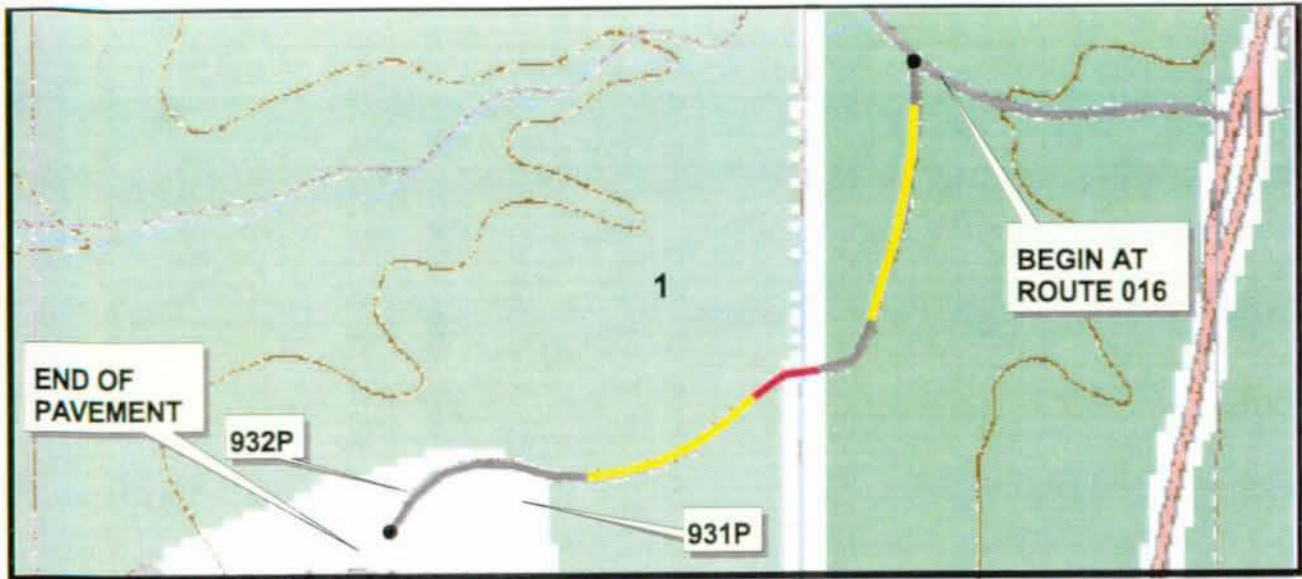
ROUTE: 426 MASWICK TRANSPORTATION CENTER ROAD TOTAL LENGTH: 0.16 Miles

Section Number	1			
Section Length (mi)	0.16			
AADT	NA			
SADT	NA			
ADT Date	NA			
<b>Cross Section Information</b>				
Number of Lanes	2			
Paved Width (ft)	26			
Lane Width (ft)	13			
Shoulder Width (ft)	0			
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	NA			
Roughness Index	64			
SCR (Surface Condition Rating)	89			
Alligator Cracking	100			
Rutting Index	100			
Patching Index	100			
Transverse Cracking	97			
Longitudinal Cracking	99			
Shoulder Condition Rating	GOOD			
Drainage Condition Rating	GOOD			

COMMENTS:

- MP 0.00 BEGIN AT ROUTE 500
- MP 0.02 PHOTO #3693 - TYPICAL PAVEMENT SECTION
- MP 0.10 INTERSECTION RIGHT (922)
- MP 0.16 END AT ROUTE 923

ROUTE: 426 MASWICK TRANSPORTATION CENTER ROAD



WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 428 SHUTTLE BUS ROAD

TOTAL LENGTH: 0.42 Miles

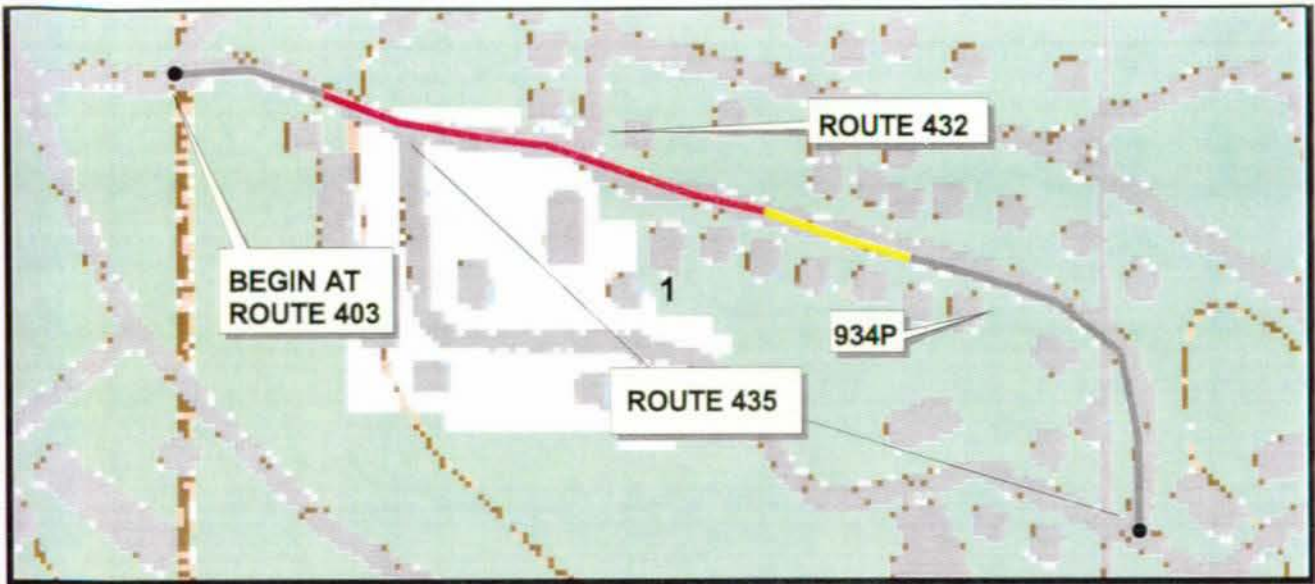
Section Number	1				
Section Length (mi)	0.42				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	31				
SCR (Surface Condition Rating)	80				
Alligator Cracking	100				
Rutting Index	94				
Patching Index	95				
Transverse Cracking	96				
Longitudinal Cracking	97				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

MP 0.00 BEGIN AT ROUTE 016; PHOTO #3696  
 MP 0.44 INTERSECTION LEFT (931)  
 MP 0.45 INTERSECTION LEFT (932); END ROUTE AT END OF PAVEMENT

ROUTE: 428 SHUTTLE BUS ROAD





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
GRCA: Grand Canyon NP

ROUTE: 431 JUNIPER HILL

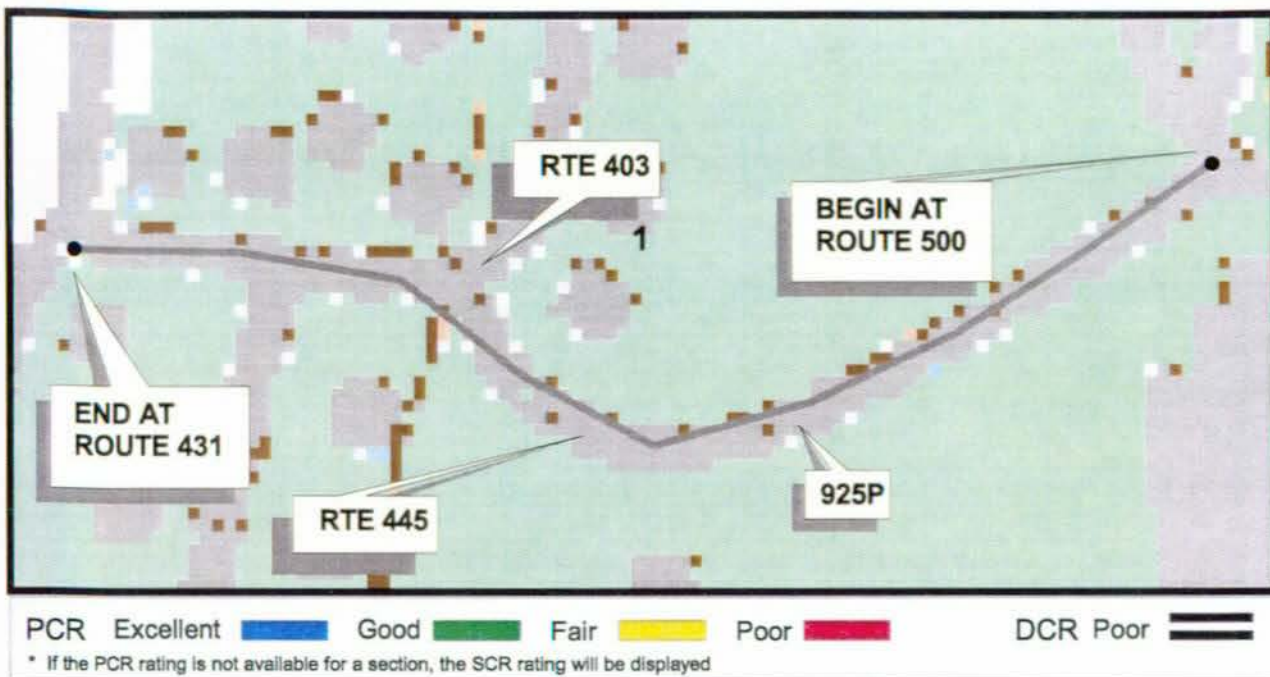
TOTAL LENGTH: 0.30 Miles

Section Number	1				
Section Length (mi)	0.30				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	21				
SCR (Surface Condition Rating)	80				
Alligator Cracking	100				
Rutting Index	84				
Patching Index	100				
Transverse Cracking	93				
Longitudinal Cracking	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

- MP 0.00 BEGIN AT ROUTE 403; PHOTO #3699
- MP 0.06 INTERSECTION RIGHT (435)
- MP 0.10 INTERSECTION LEFT (432)
- MP 0.20 INTERSECTION RIGHT (934)
- MP 0.30 END AT ROUTE 435

ROUTE 431 JUNIPER HILL



WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 432 NAVAJO STREET

TOTAL LENGTH: 0.16 Miles

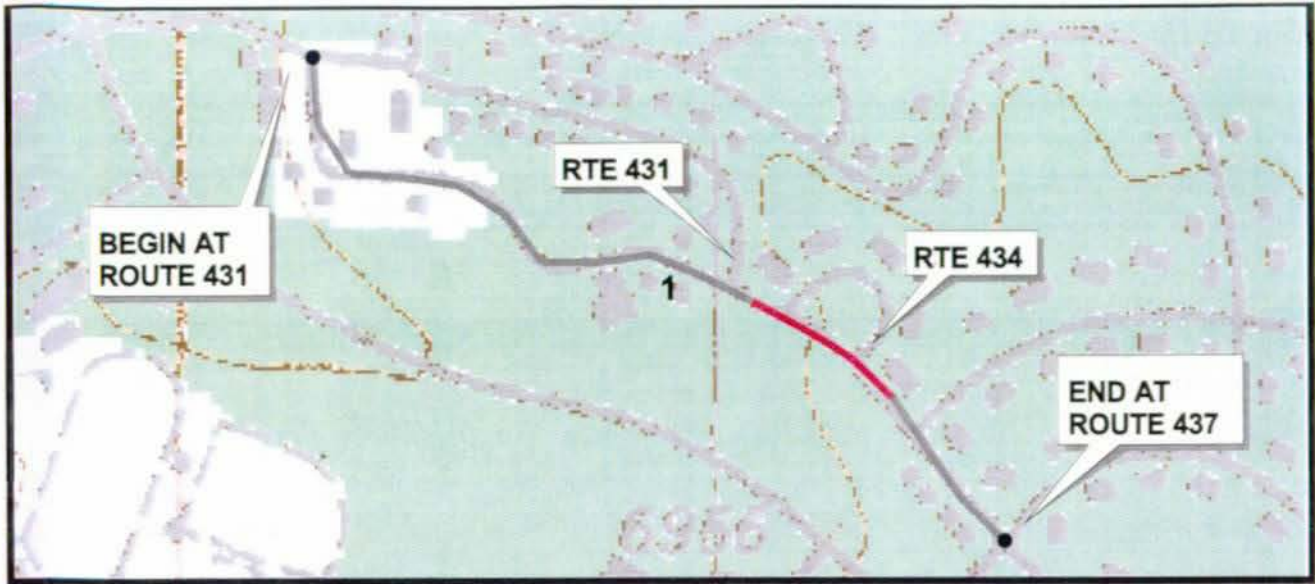
Section Number	1				
Section Length (mi)	0.16				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width (ft)	1				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	14				
SCR (Surface Condition Rating)	77				
Alligator Cracking	100				
Rutting Index	93				
Patching Index	100				
Transverse Cracking	95				
Longitudinal Cracking	98				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

- MP 0.00 BEGIN AT ROUTE 500; PHOTO #3720
- MP 0.02 INTERSECTION LEFT (925)
- MP 0.03 INTERSECTION LEFT (445)
- MP 0.10 INTERSECTION RIGHT (403)
- MP 0.12 INTERSECTION LEFT (444)
- MP 0.16 END AT ROUTE 431

ROUTE: 432 NAVAJO STREET





PCR Excellent █ Good █ Fair █ Poor █ DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
GRCA: Grand Canyon NP

ROUTE: 435 SUNSET DRIVE

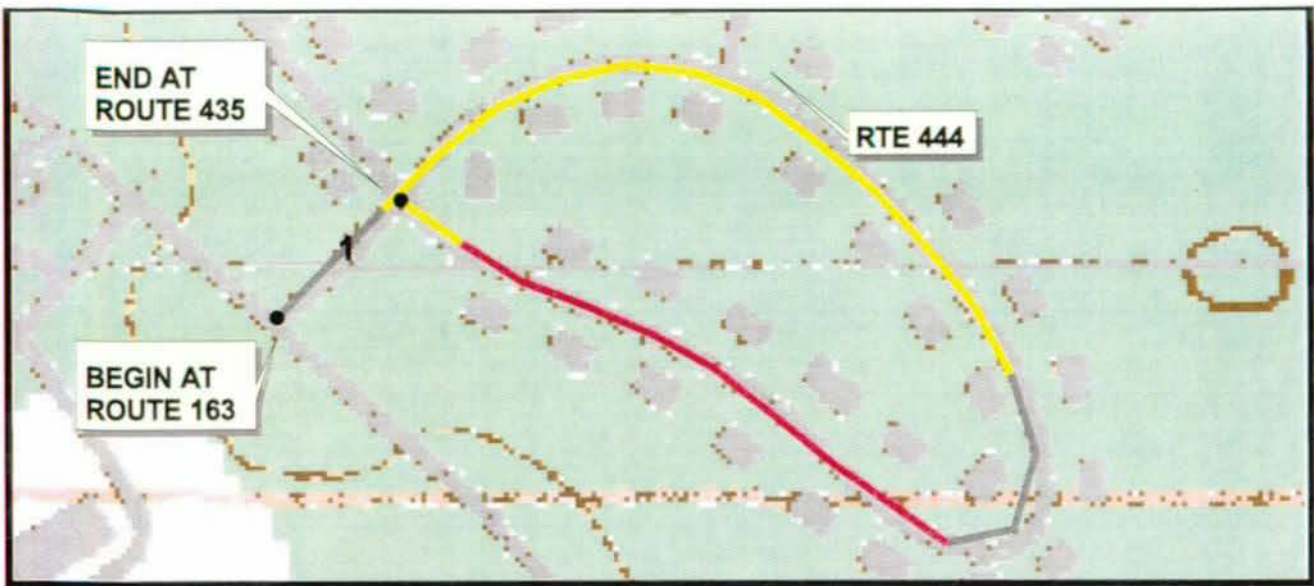
TOTAL LENGTH: 0.32 Miles

Section Number	1				
Section Length (mi)	0.32				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	11				
SCR (Surface Condition Rating)	81				
Alligator Cracking	100				
Rutting Index	93				
Patching Index	100				
Transverse Cracking	96				
Longitudinal Cracking	94				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

**COMMENTS:**

MP 0.00 BEGIN AT ROUTE 431; PHOTO #3700 - TYPICAL PAVEMENT SECTION  
 MP 0.20 INTERSECTION LEFT (431)  
 MP 0.22 INTERSECTION LEFT (434)  
 MP 0.24 INTERSECTION LEFT (434)  
 MP 0.38 END AT ROUTE 437

ROUTE: 435 SUNSET DRIVE



PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
GRCA: Grand Canyon NP

ROUTE: 437 PARK CIRCLE

TOTAL LENGTH: 0.50 Miles

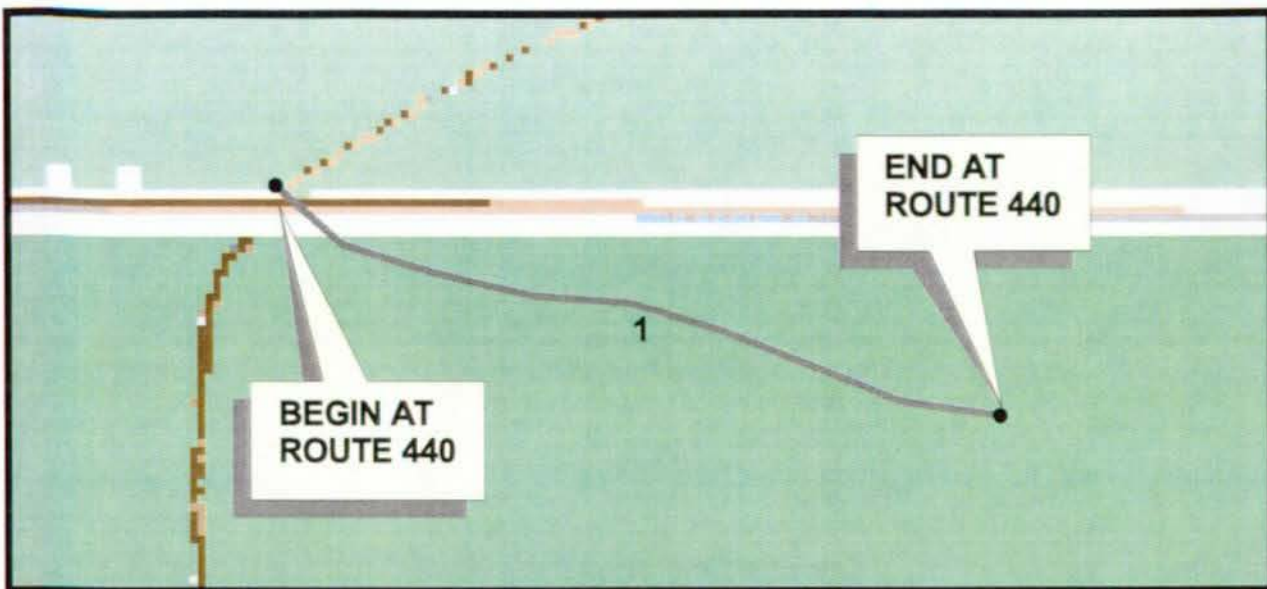
Section Number	1				
Section Length (mi)	0.50				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	62				
Roughness Index	46				
SCR (Surface Condition Rating)	68				
Alligator Cracking	99				
Rutting Index	96				
Patching Index	100				
Transverse Cracking	87				
Longitudinal Cracking	91				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

MP 0.00 BEGIN AT ROUTE 163; PHOTO #3698  
MP 0.06 INTERSECTION LEFT (435)  
MP 0.12 INTERSECTION LEFT (444)  
MP 0.50 END AT ROUTE 437

ROUTE: 437 PARK CIRCLE





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
GRCA: Grand Canyon NP

ROUTE: 441 BOB MANN STREET

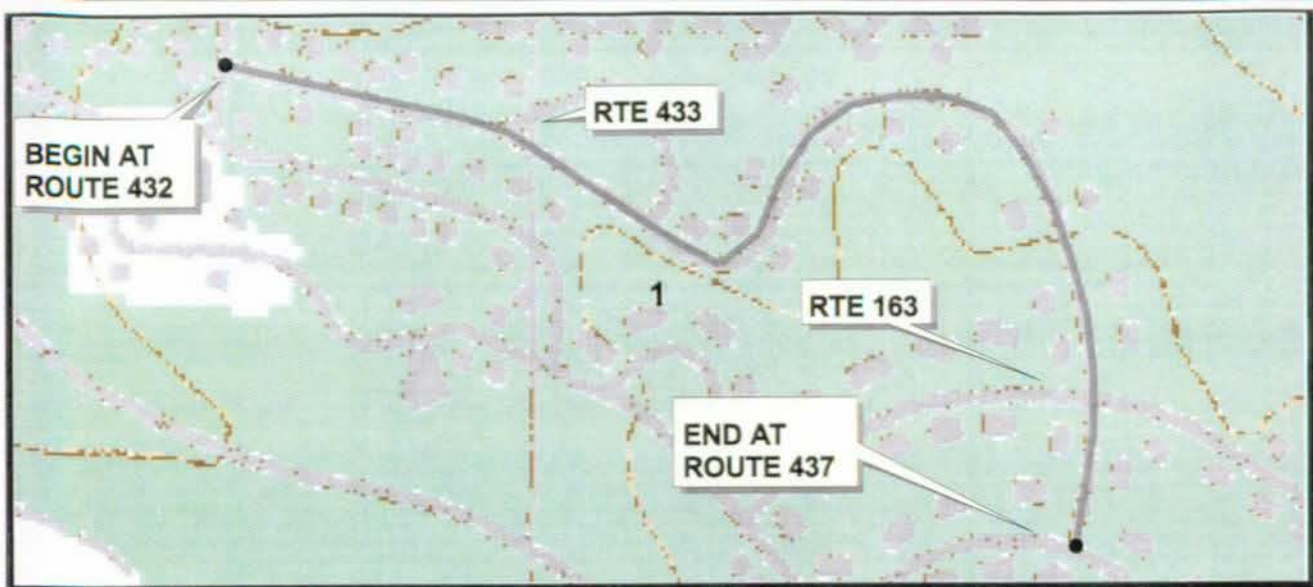
TOTAL LENGTH: 0.16 Miles

Section Number	1				
Section Length (mi)	0.16				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width (ft)	1				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	0				
SCR (Surface Condition Rating)	NA				
Alligator Cracking	NA				
Rutting Index	98				
Patching Index	100				
Transverse Cracking	NA				
Longitudinal Cracking	NA				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

MP 0.00 BEGIN AT ROUTE 440  
MP 0.14 END AT ROUTE 435

ROUTE: 441 BOB MANN STREET



WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 444 KAIBAB STREET

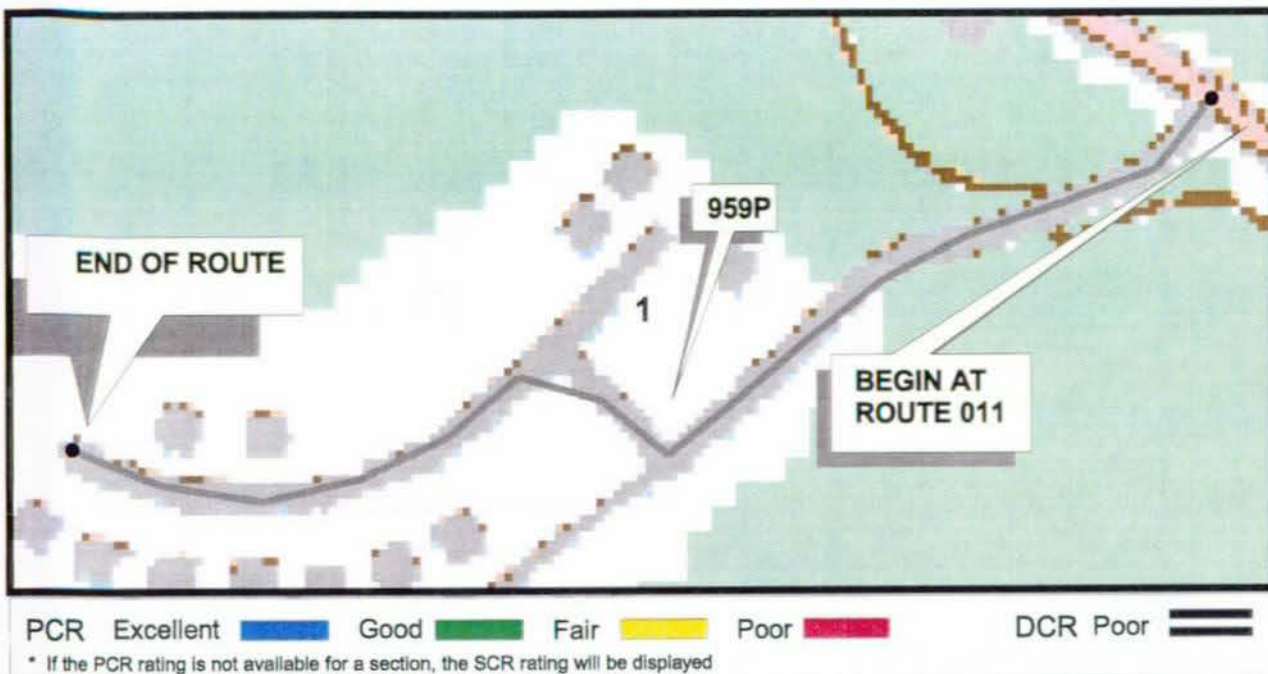
TOTAL LENGTH: 0.52 Miles

Section Number	1				
Section Length (mi)	0.52				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	12				
Shoulder Width (ft)	1				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	11				
SCR (Surface Condition Rating)	NA				
Alligator Cracking	NA				
Rutting Index	92				
Patching Index	100				
Transverse Cracking	NA				
Longitudinal Cracking	NA				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

MP 0.00 BEGIN AT ROUTE 432; PHOTO #3721  
 MP 0.10 INTERSECTION LEFT (433)  
 MP 0.14 INTERSECTION LEFT (433)  
 MP 0.48 INTERSECTION LEFT AND RIGHT (163)  
 MP 0.52 END AT ROUTE 437





WR: Western Region  
 GRCA: Grand Canyon NP

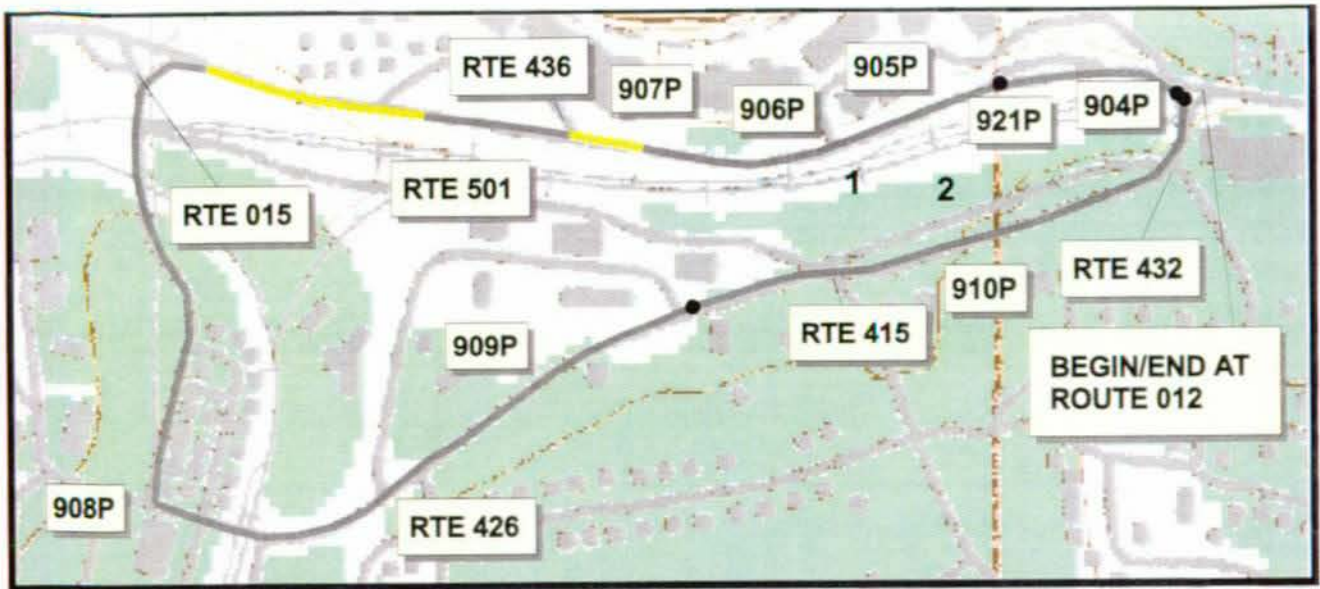
ROUTE: 461 EAST ENTRANCE RESIDENCE ROAD TOTAL LENGTH: 0.28 Miles

Section Number	1				
Section Length (mi)	0.28				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width (ft)	1				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	NA				
Roughness Index	9				
SCR (Surface Condition Rating)	NA				
Alligator Cracking	NA				
Rutting Index	87				
Patching Index	100				
Transverse Cracking	NA				
Longitudinal Cracking	NA				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

COMMENTS:

- MP 0.00 BEGIN AT ROUTE 011; PHOTO #3711
- MP 0.08 INTERSECTION RIGHT (959)
- MP 0.09 INTERSECTION RIGHT (959)
- MP 0.25 END AT END OF PAVEMENT

ROUTE: 461 EAST ENTRANCE RESIDENCE ROAD



PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor

\* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
GRCA: Grand Canyon NP

**ROUTE: 500 VILLAGE LOOP DRIVE**

**TOTAL LENGTH: 1.40 Miles**

	1	2			
Section Number	1	2			
Section Length (mi)	1.10	0.30			
AADT	NA	NA			
SADT	NA	NA			
ADT Date	NA	NA			
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	24	24			
Lane Width (ft)	12	12			
Shoulder Width (ft)	0	0			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	62	NA			
Roughness Index	21	10			
SCR (Surface Condition Rating)	90	NA			
Alligator Cracking	100	NA			
Rutting Index	82	81			
Patching Index	100	100			
Transverse Cracking	99	NA			
Longitudinal Cracking	99	NA			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

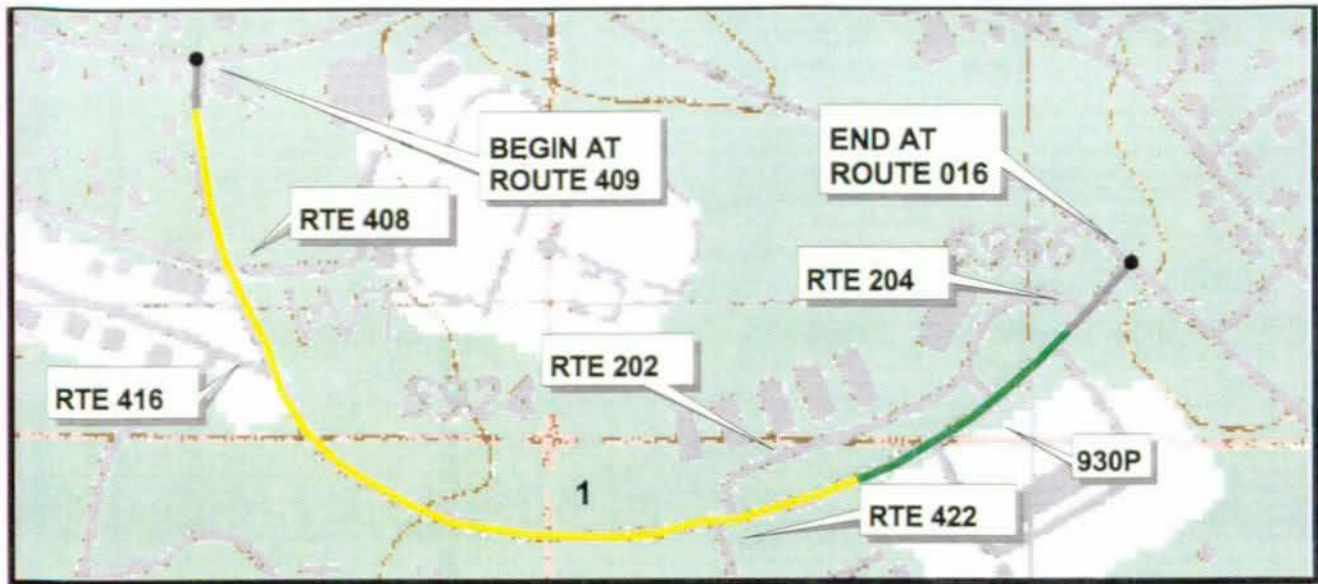
**COMMENTS:**

- MP 0.00 BEGIN AT ROUTE 012
- MP 0.01 INTERSECTION RIGHT (904); PHOTO #3692 - TYPICAL PAVEMENT SECTION
- MP 0.08 INTERSECTION LEFT (921); BUS STOP
- MP 0.12 INTERSECTION RIGHT (905)
- MP 0.26 INTERSECTION RIGHT (906)
- MP 0.30 INTERSECTION RIGHT (907)
- MP 0.40 INTERSECTION RIGHT (436)
- MP 0.50 BUS STOP
- MP 0.51 INTERSECTION RIGHT (015)
- MP 0.56 INTERSECTION LEFT (501)

- MP 0.64 INTERSECTION LEFT (908)
- MP 0.66 INTERSECTION RIGHT (908)
- MP 0.74 INTERSECTION RIGHT & LEFT (908)
- MP 0.84 INTERSECTION LEFT (909)
- MP 0.88 INTERSECTION RIGHT (426)
- MP 0.92 INTERSECTION RIGHT (415)
- MP 1.02 INTERSECTION LEFT (909); INTERSECTION RIGHT (910)
- MP 1.06 INTERSECTION LEFT (501)
- MP 1.24 INTERSECTION RIGHT (432)
- MP 1.30 END ROUTE AT END OF LOOP

ROUTE: 500 VILLAGE LOOP DRIVE





PCR Excellent ■ Good ■ Fair ■ Poor ■ DCR Poor   
 \* If the PCR rating is not available for a section, the SCR rating will be displayed

WR: Western Region  
 GRCA: Grand Canyon NP

ROUTE: 601 ALBRIGHT AVENUE

TOTAL LENGTH: 0.60 Miles

Section Number	1				
Section Length (mi)	0.60				
AADT	NA				
SADT	NA				
ADT Date	NA				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	1				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	79				
Roughness Index	69				
SCR (Surface Condition Rating)	87				
Alligator Cracking	100				
Rutting Index	100				
Patching Index	100				
Transverse Cracking	94				
Longitudinal Cracking	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

**COMMENTS:**

MP 0.00 BEGIN AT ROUTE 409; PHOTO #3695  
 MP 0.10 INTERSECTION RIGHT & LEFT (408)  
 MP 0.12 INTERSECTION RIGHT (416)  
 MP 0.30 INTERSECTION RIGHT (422); INTERSECTION LEFT (202)  
 MP 0.40 INTERSECTION RIGHT (UNPAVED); INTERSECTION LEFT (202)  
 MP 0.52 INTERSECTION RIGHT (930)  
 MP 0.56 INTERSECTION RIGHT (930)  
 MP 0.57 INTERSECTION LEFT (204)  
 MP 0.61 END AT ROUTE 016

# Grand Canyon National Park

## Route 202

Grand Canyon Recreation Center  
From Route 601 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
202	29984	0.51						GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet

A horizontal scale bar with alternating black and white segments. The markings are labeled 200, 0, 200, and 400 Feet.



# Grand Canyon National Park

## Route 203

Yavapai Point Road  
From Route 012 to End of Loop

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
203	57948	0.99						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



# Grand Canyon National Park

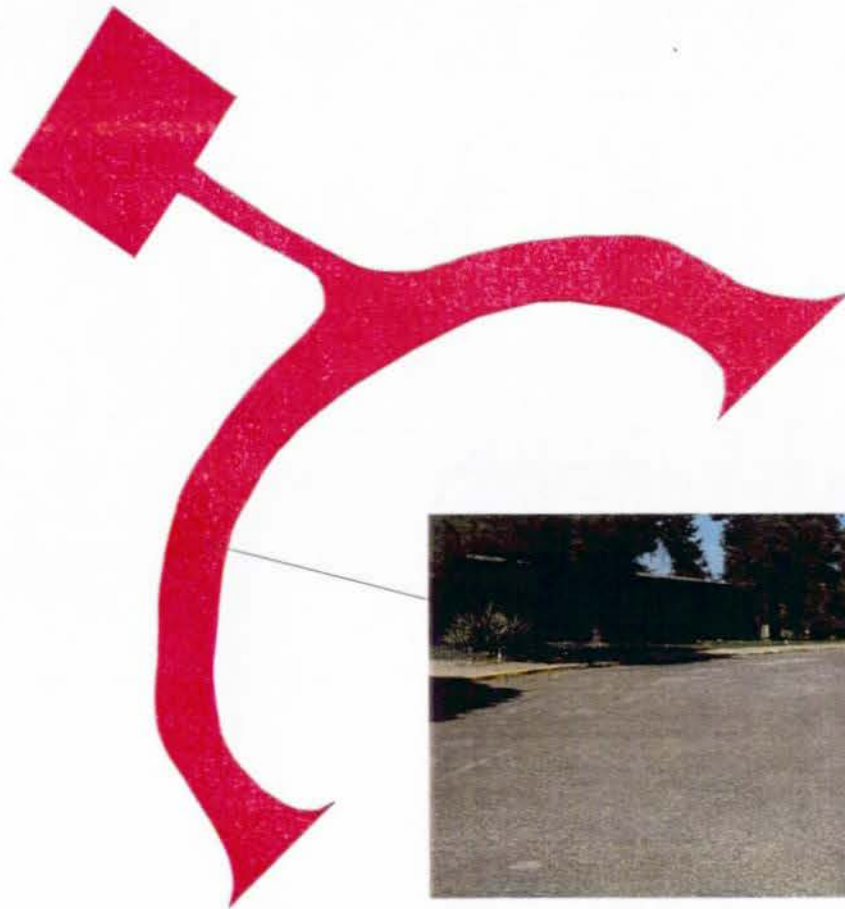
## Route 204

NPS Academy Loop Road

From Route 601 to Route 601

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
204	20126	0.34						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 265

Moran Point Road  
From Route 011 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
265	21877	0.37						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet

A scale bar with markings at 100, 0, 100, and 200 feet.

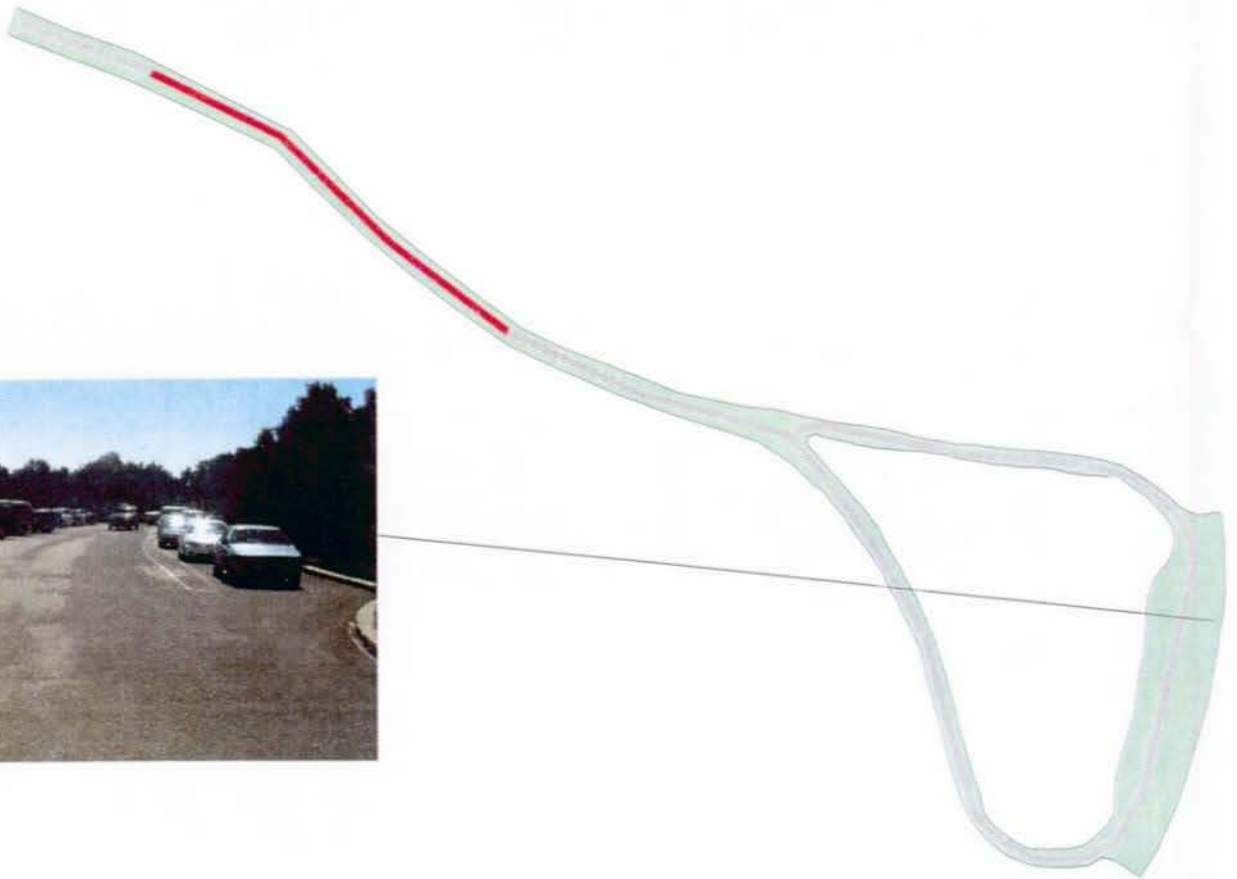
# Grand Canyon National Park

## Route 266

Tusayan Ruin Road  
From Route 011 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
266	19116	0.32						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





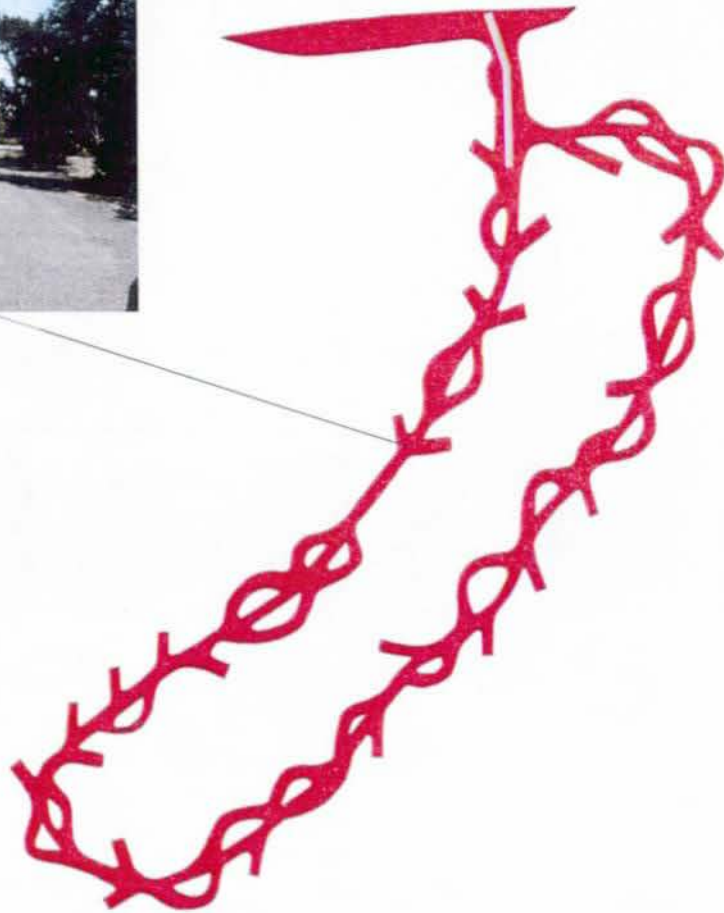
# Grand Canyon National Park

## Route 270

Desert View Campground  
From Route 011 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
270	68986	1.18						GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 271

Mather Campground Access Road  
Begin at New Construction to Maple Loop

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
271	46606							FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



**NO GPS AVAILABLE**





# Grand Canyon National Park

## Route 272

Mather Campground Loops  
From Route 271 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
272	43408							FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



**NO GPS AVAILABLE**



# Grand Canyon National Park

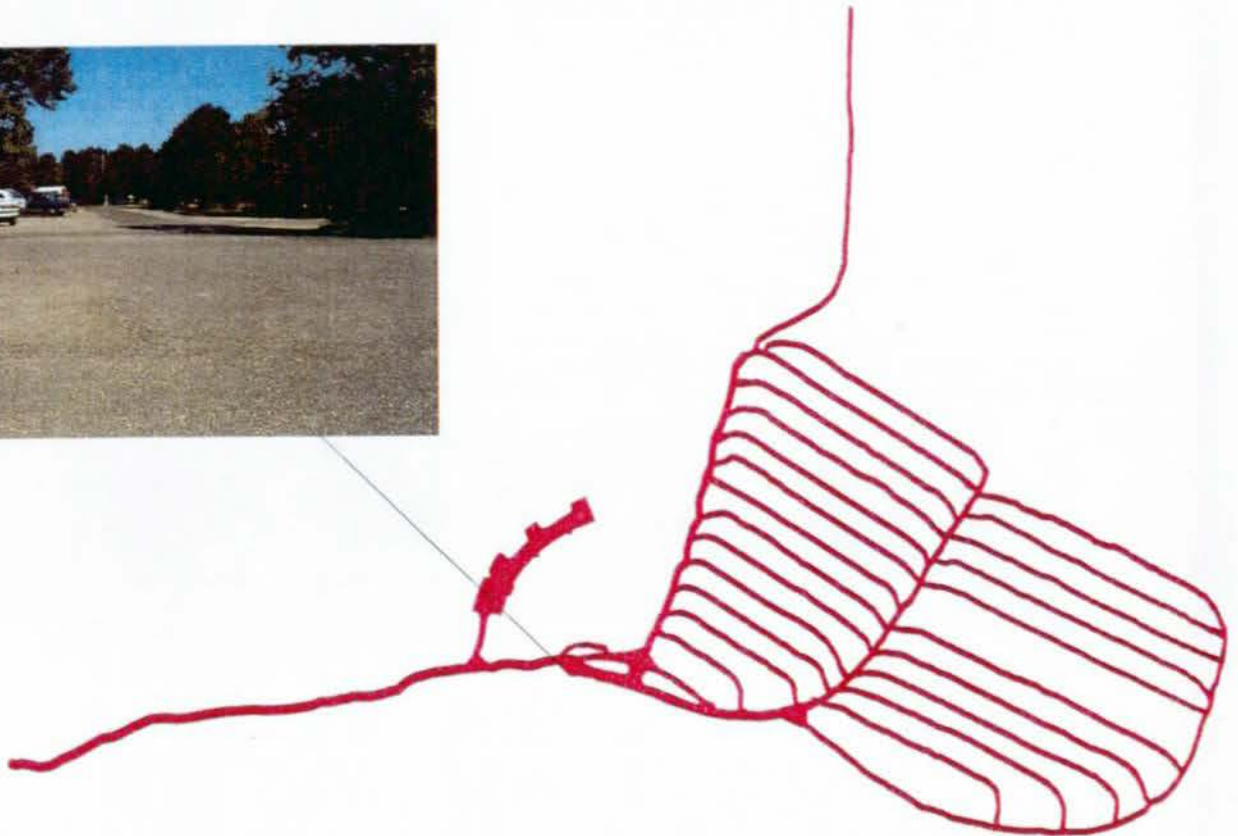
## Route 279

Trailer Village Road

Begin at New Construction to Route 272

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
279	251413	4.32						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



600 0 600 1200 Feet

A scale bar with markings at 600, 0, 600, and 1200 feet.



# Grand Canyon National Park

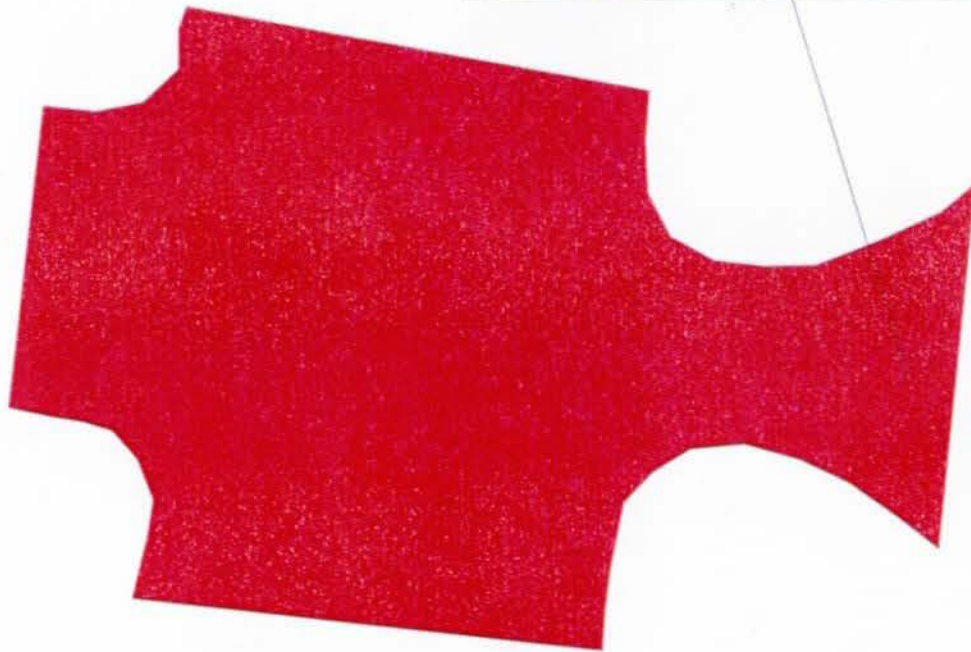
## Route 410

Boulder West

From Route 408 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
410	3963	0.06						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



20 0 20 40 Feet

A horizontal scale bar with alternating black and white segments, marked with the numbers 20, 0, 20, and 40, followed by the word "Feet".

# Grand Canyon National Park

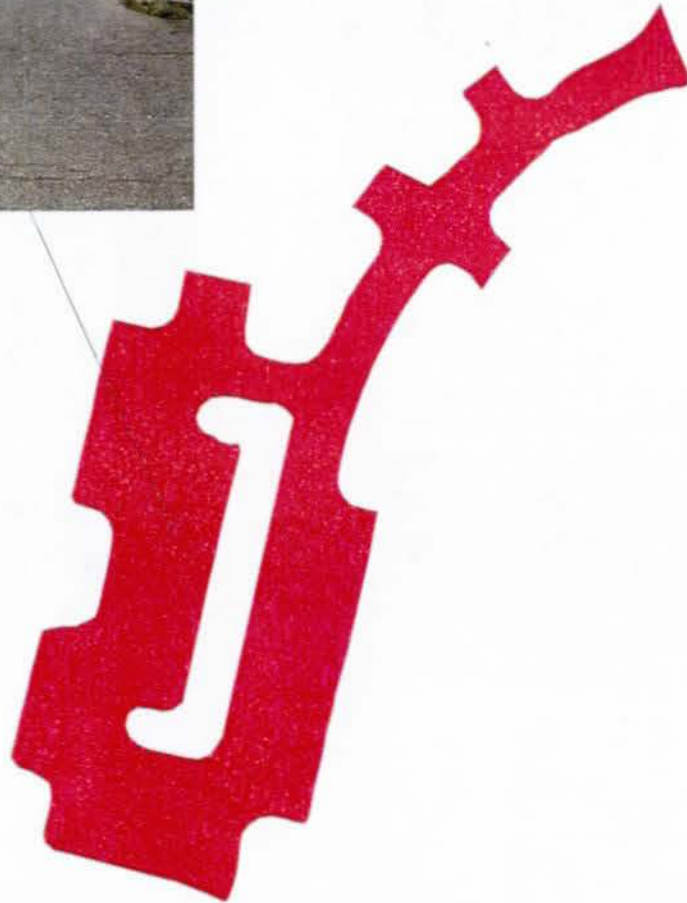
## Route 412

Loop Street

From Route 408 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
412	26262	0.45						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 414

Apache West

From Route 408 to End of Pavement

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
414	26271	0.45						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet



# Grand Canyon National Park

## Route 415

Apache Alley

From Route 413 to Route 500

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
415	10399	0.17						POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

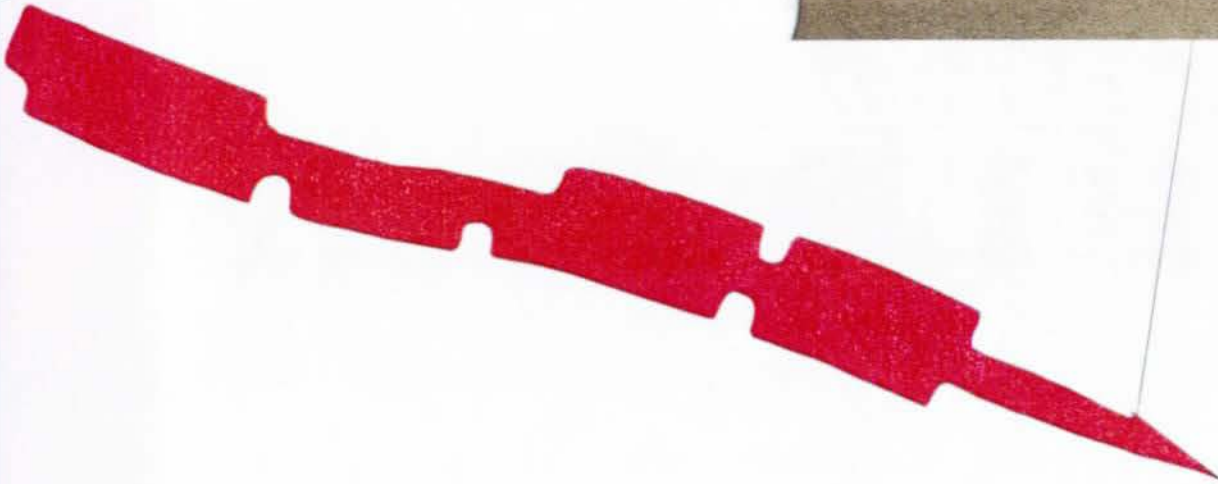
## Route 416

Muav Court

From Route 601 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
416	39812	0.68						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet

A scale bar with markings at 200, 0, 200, and 400 feet.

# Grand Canyon National Park

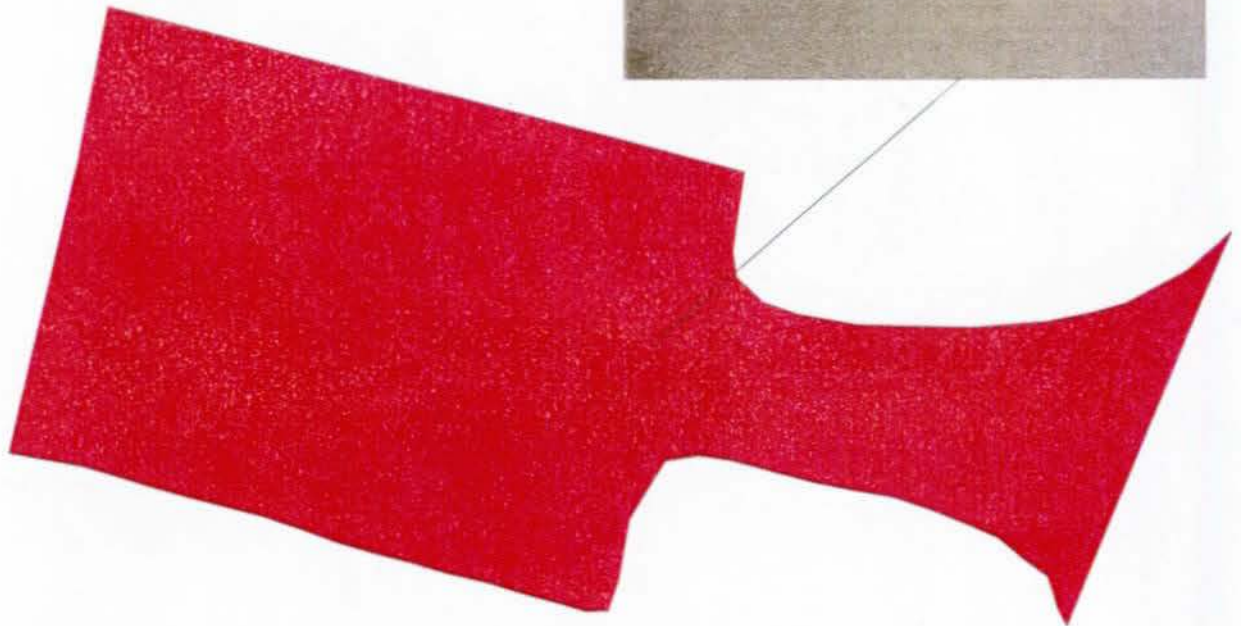
## Route 418

Hualapai Court

From Route 417 to End of Route

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
418	AZ	991003			7176	0.12	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



40 0 40 80 Feet





# Grand Canyon National Park

## Route 419

Kolb Street

From Route 417 to Route 417

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
419	6139	0.1						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

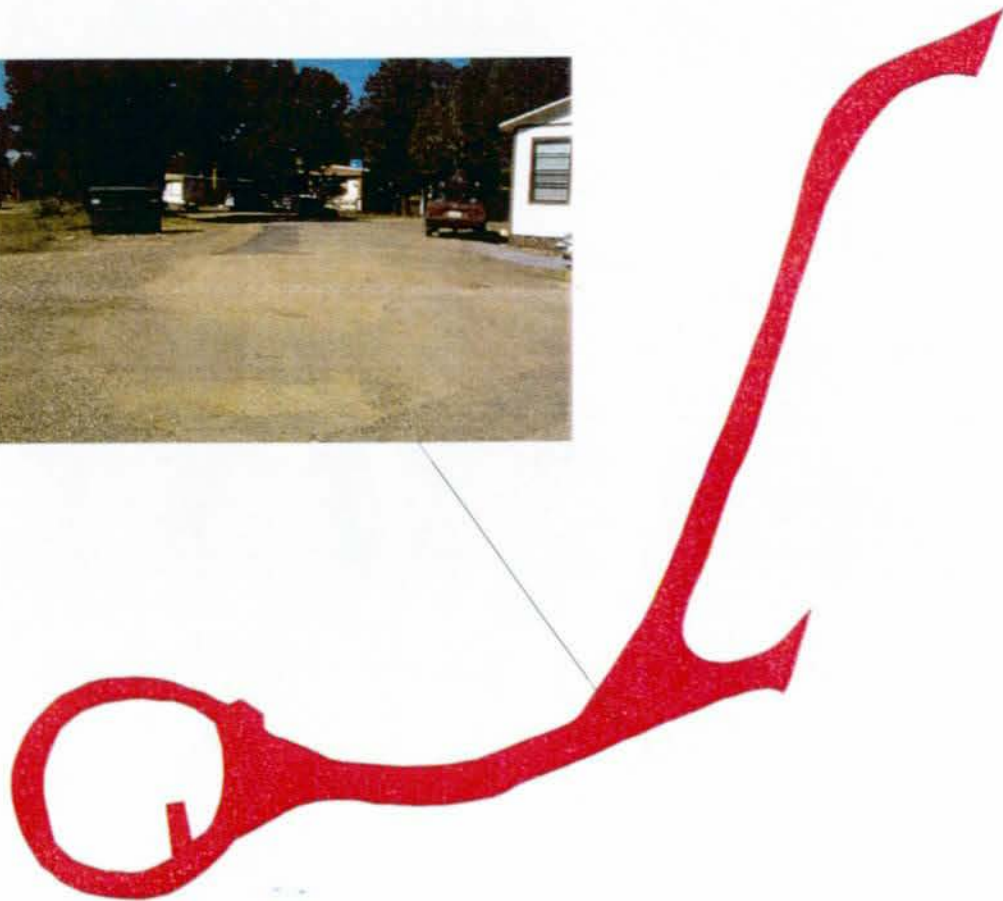
## Route 420

Mather Street

From Route 417 to End of Loop

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
420	14602	0.25						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet





# Grand Canyon National Park

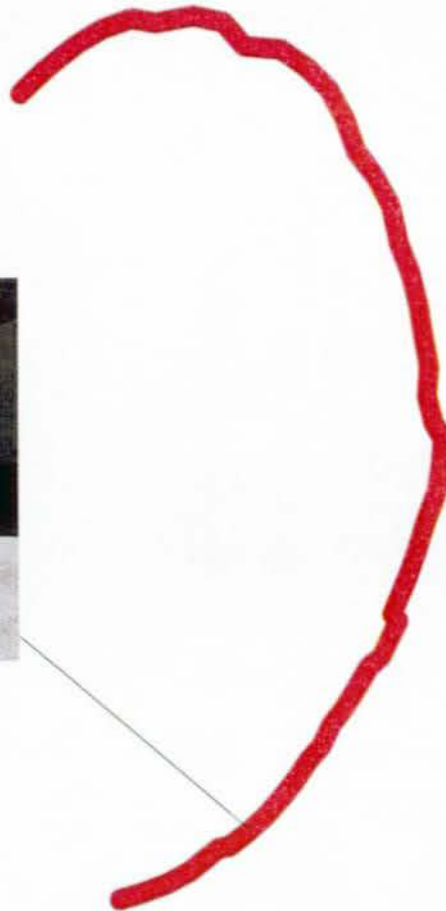
## Route 421

Powell Avenue

From Route 417 to Route 417

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
421	9491	0.16						fair

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 422

Grand Canyon Village New Housing Road  
From Route 601 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
422	21435	0.36						GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 423

Grand Canyon Village New Housing Loop Road  
From Route 422 to Route 422

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
423	33115	0.57						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



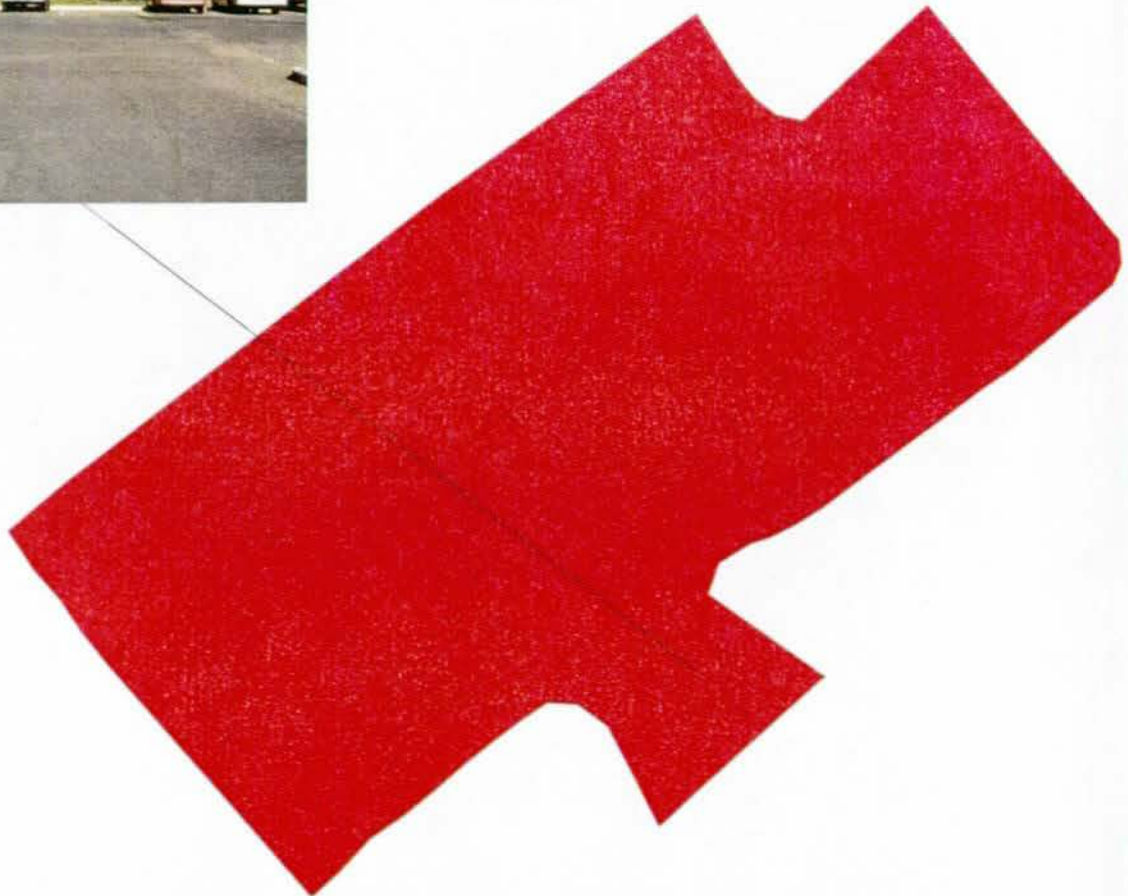
# Grand Canyon National Park

## Route 424

Grand Canyon Village New Housing Road Court 1  
From Route 422 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
424	8777	0.15						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

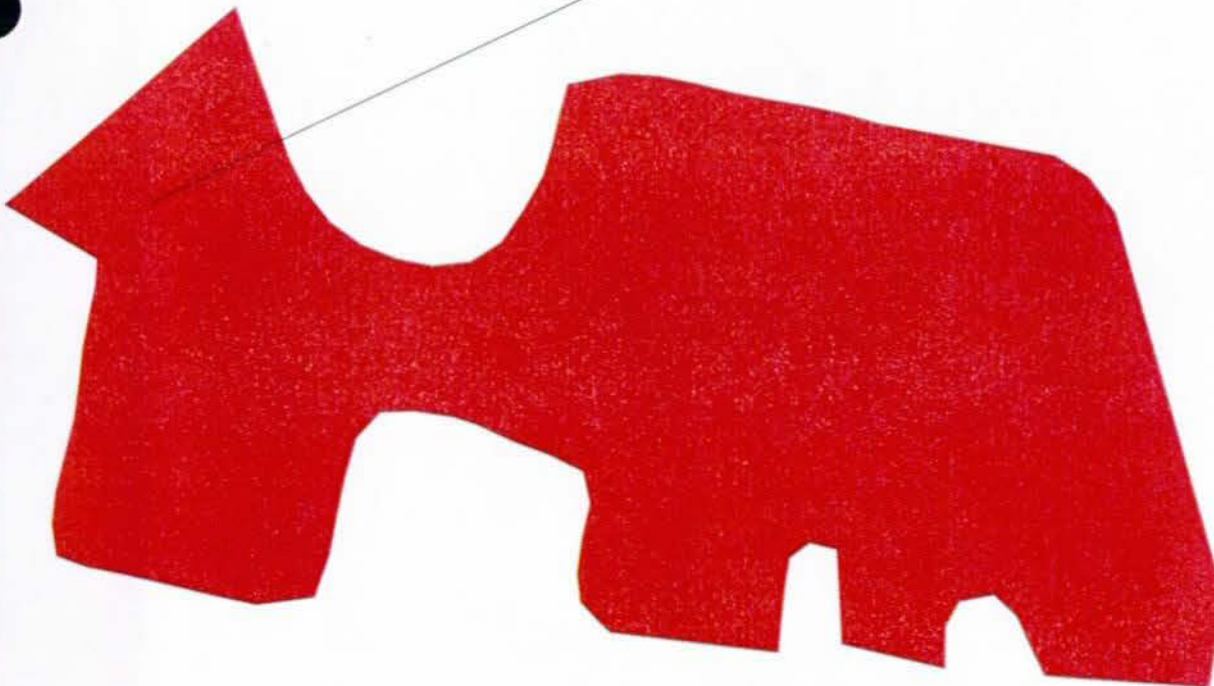
## Route 425

Grand Canyon Village New Housing Road Court 2

From Route 422 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
425	8947	0.15						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



40 0 40 80 Feet

A horizontal scale bar with four segments. The first segment is labeled '40', the second '0', the third '40', and the fourth '80 Feet'. The segments are separated by vertical tick marks.

# Grand Canyon National Park

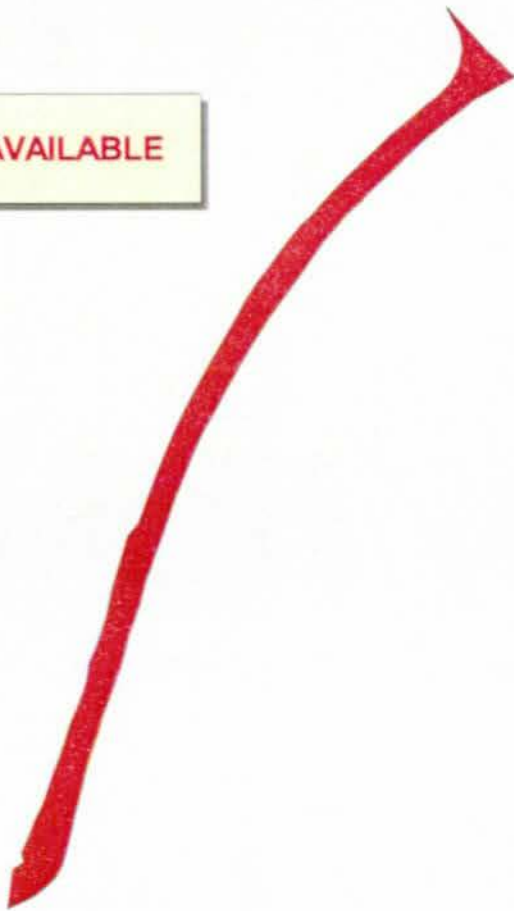
## Route 426

Maswick Transportation Center  
From Route 500 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
426	22965	0.39						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths

NO PHOTO AVAILABLE





# Grand Canyon National Park

## Route 427

Kennels Road

From Route 160 to Kennels

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
427	9362	0.16						GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet

A scale bar with four segments. The first segment is labeled '100', the second '0', the third '100', and the fourth '200 Feet'. The segments are black and white.

# Grand Canyon National Park

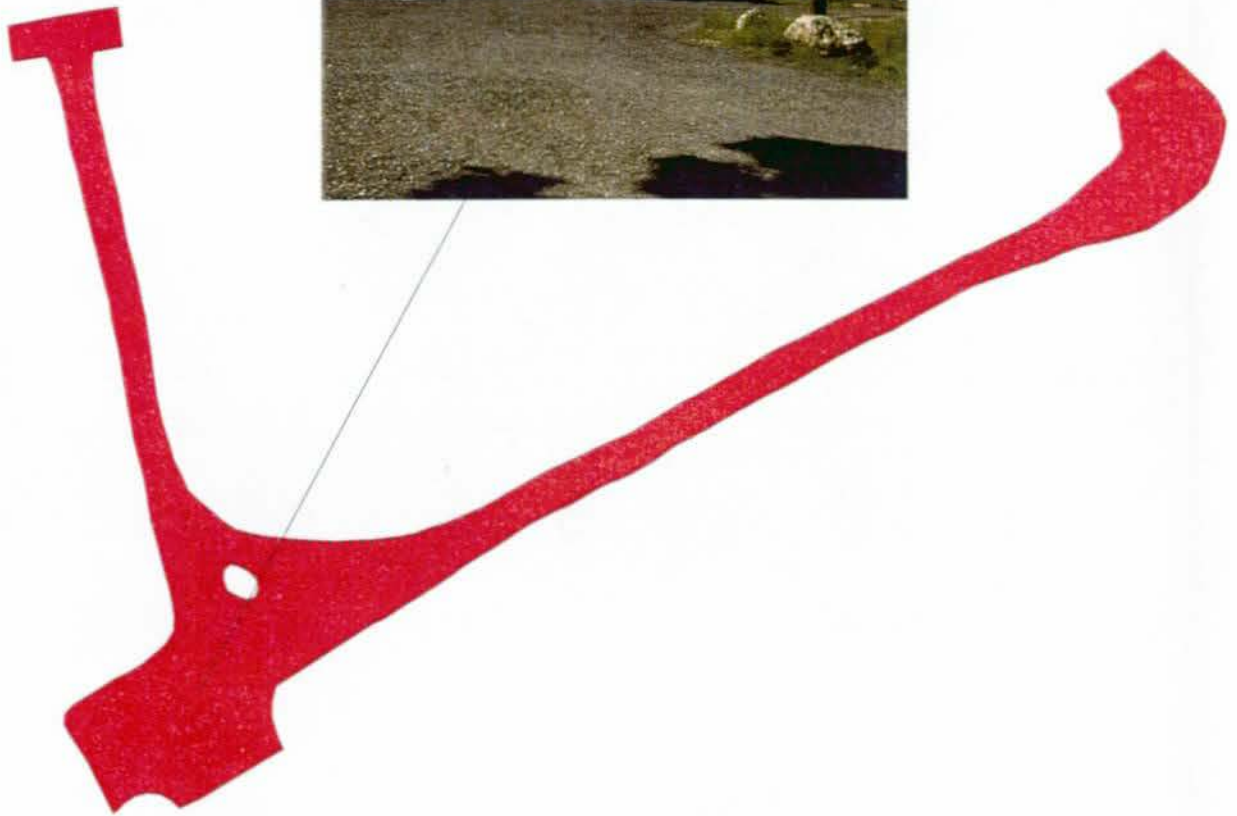
## Route 429

Unnamed Road

From Route 016 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
429	15308	0.26						POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet





# Grand Canyon National Park

## Route 430

Lapp Loop

From Route 016 to Route 016

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
430	36998	0.63						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



**NO GPS AVAILABLE**



# Grand Canyon National Park

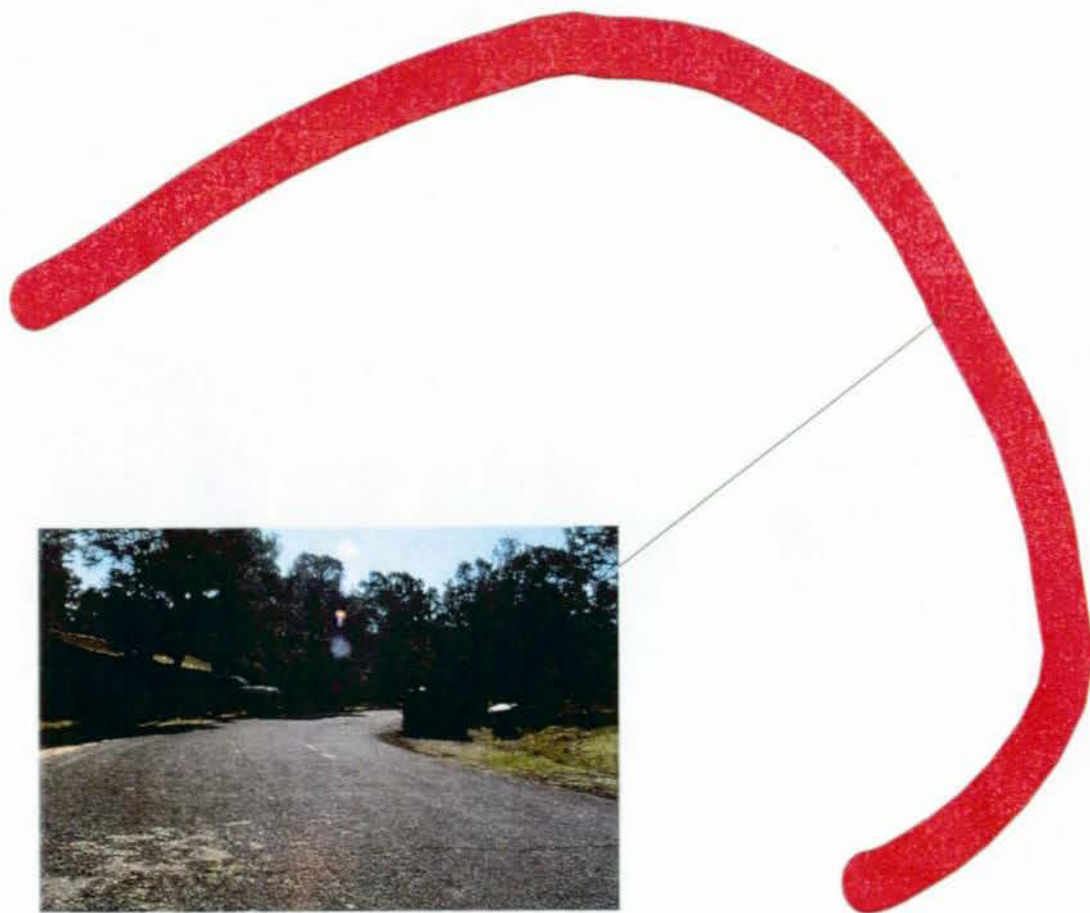
## Route 433

Tapeats Street

From Route 263 to Route 263

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
433	10726	0.18						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

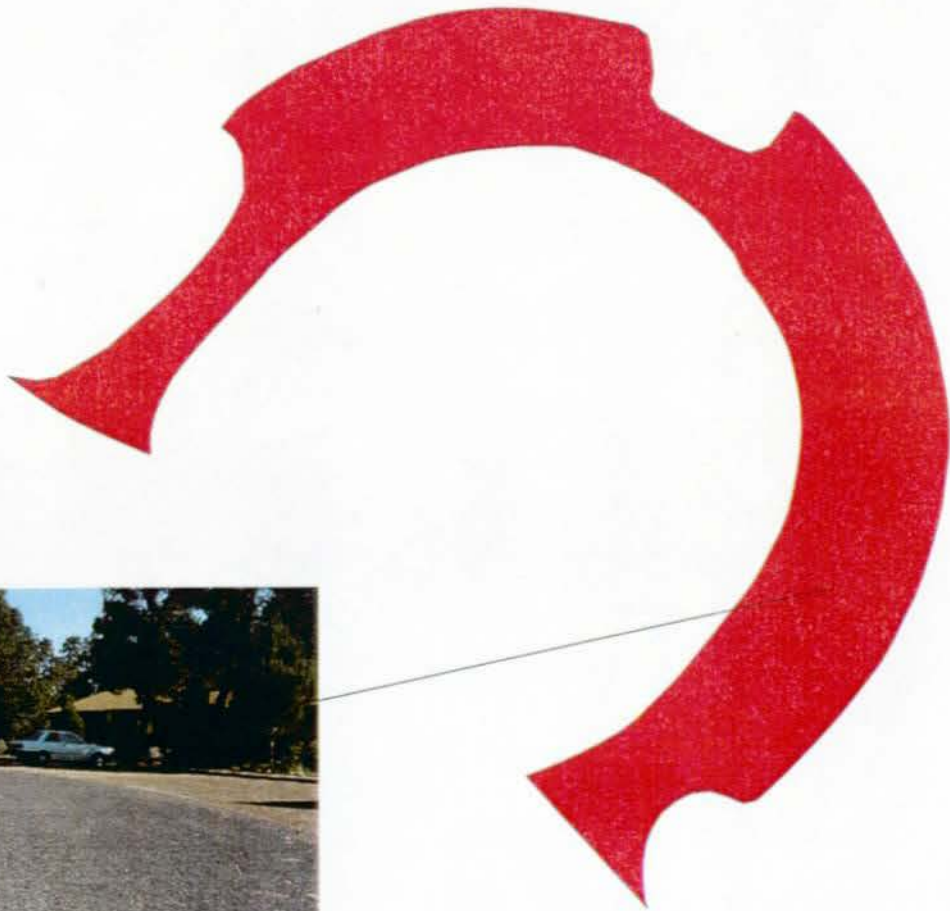
## Route 434

Hermit Circle

From Route 435 to Route 435

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
434	15595	0.26						POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



80 0 80 160 Feet



# Grand Canyon National Park

## Route 438

Barry Hance Circle  
From Route 163 to End of Loop

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
438	47978	0.82						GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 439

Ponderosa Street

From Route 163 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
439	4507	0.07						GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



50 0 50 100 Feet



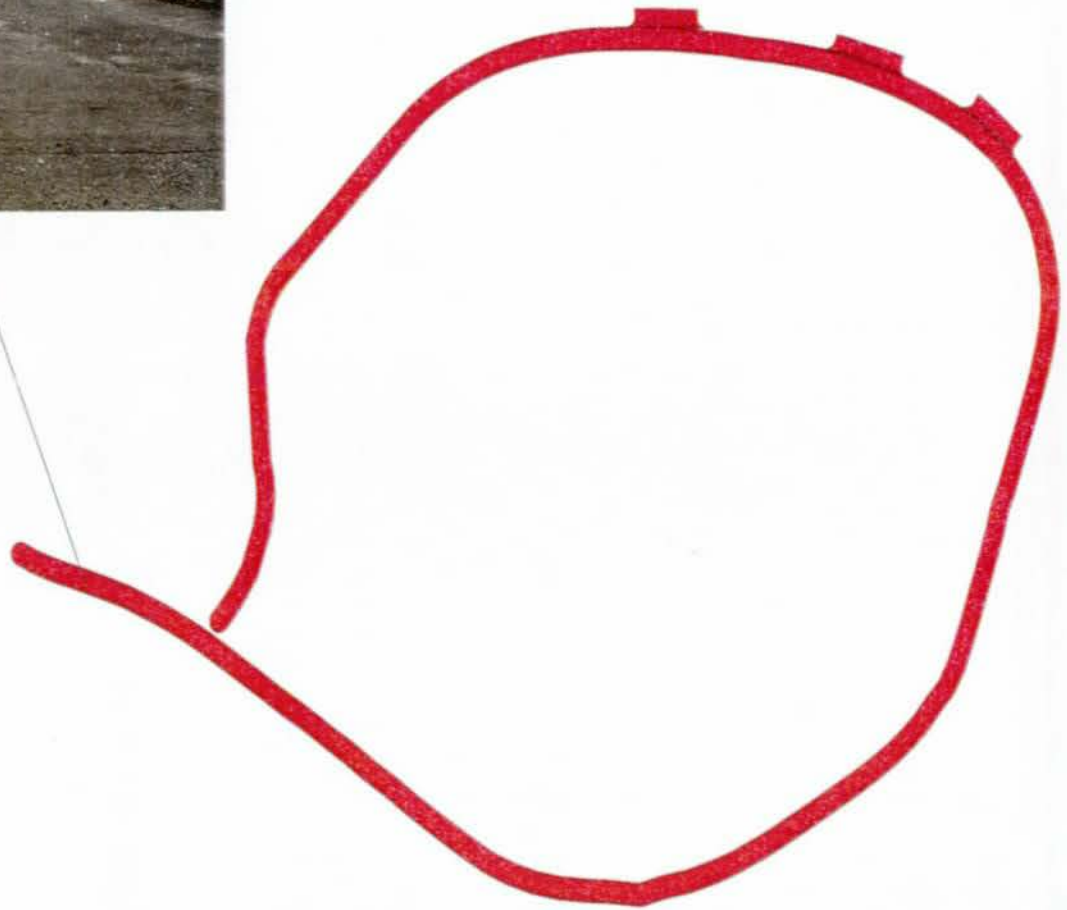
# Grand Canyon National Park

## Route 440

Randy Thompson Circle  
From Route 288 to End of Loop

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
440	67812	1.16						GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 441

Bob Mann Street  
From Route 440 to Route 440

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
441	16229	0.27						GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths

**NO PHOTOS  
AVAILABLE**



200 0 200 400 Feet

A scale bar with markings at 200, 0, 200, and 400 feet.

# Grand Canyon National Park

## Route 442

Moran Avenue

From Route 421 to Route 421

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
442	5614	0.09						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 443

Lipan Street

From Route 421 to Route 421

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
443	2907	0.05						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



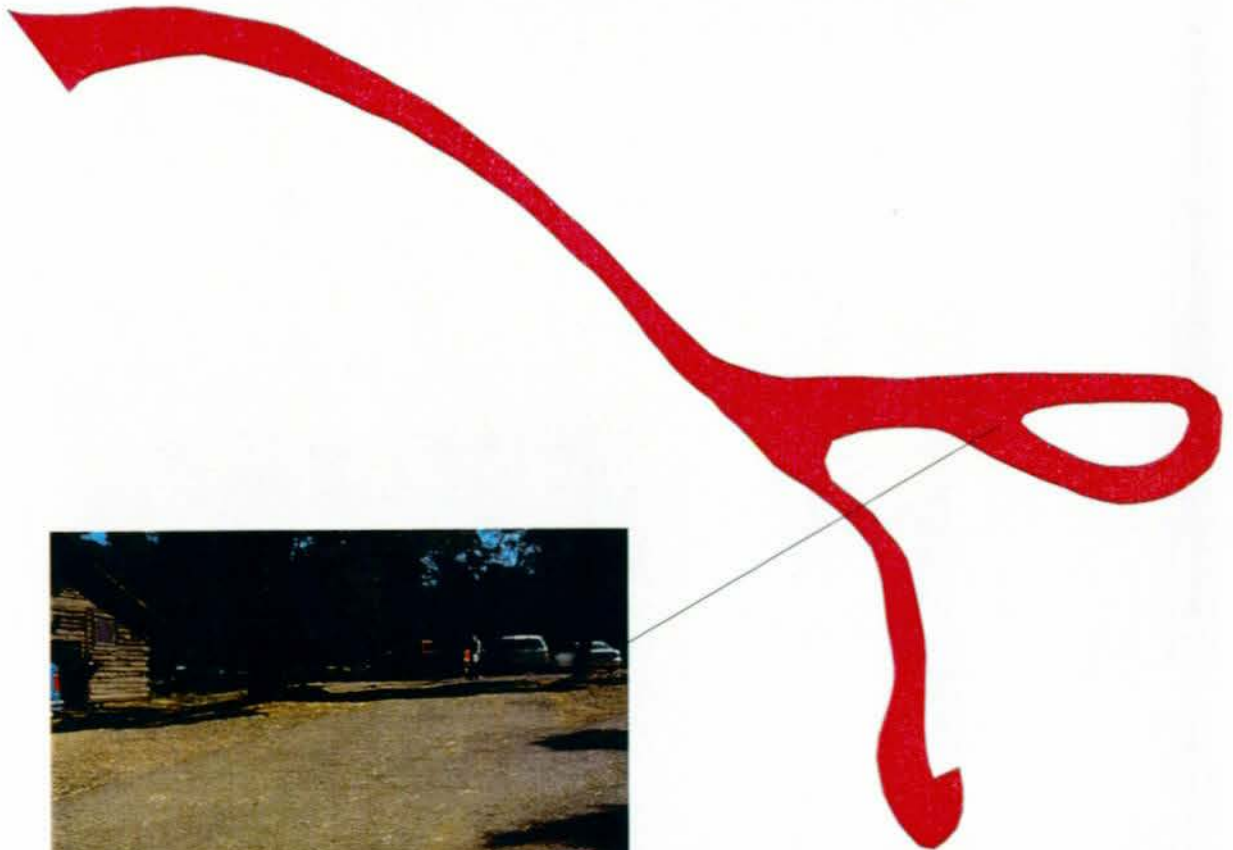
# Grand Canyon National Park

## Route 445

Navajo Residence Road  
From Route 432 to End of Route

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
445	7118	0.12						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



80 0 80 160 Feet





# Grand Canyon National Park

## Route 448

North Rim Service Area

Off Route 014

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
448	31035	0.53						POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet



# Grand Canyon National Park

## Route 449

Helipad Road

Off Route 403

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
449	8903	0.15						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 300 400 Feet

A scale bar with alternating black and white segments, marked with the numbers 100, 0, 100, 200, 300, and 400, followed by the word "Feet".



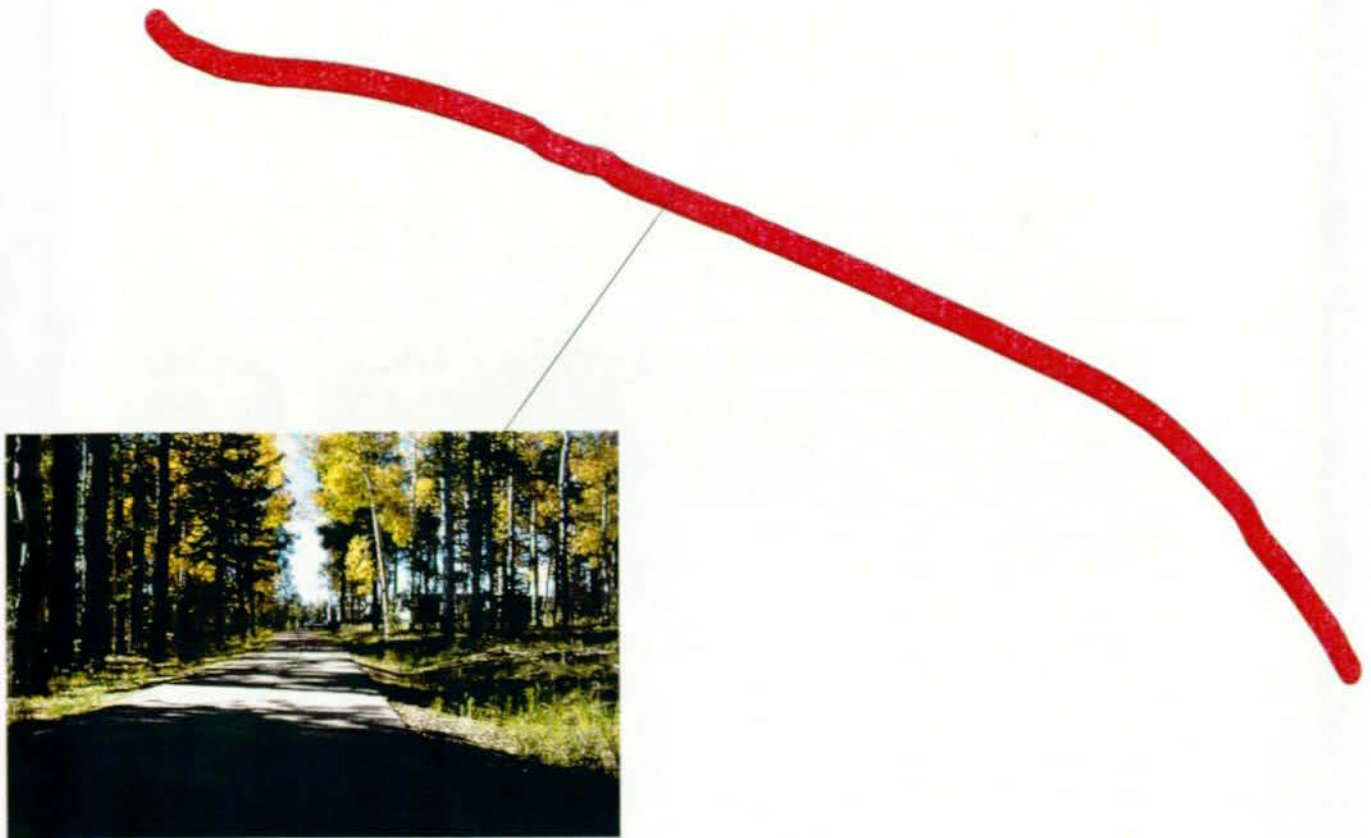
# Grand Canyon National Park

## Route 450

Wastewater Plant Road  
Off Route 403

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
450	22464	0.38						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet



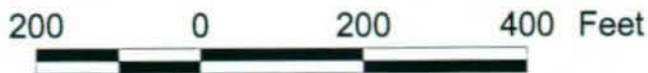
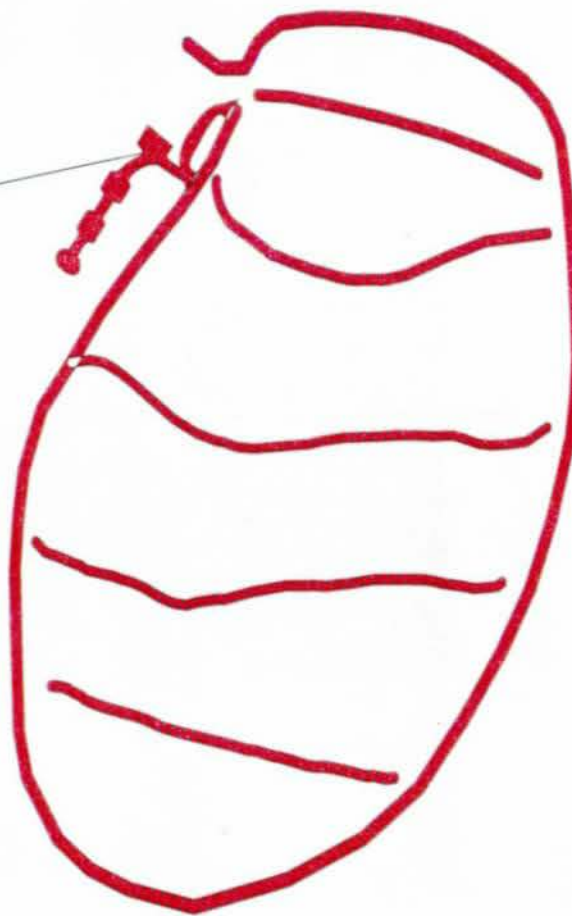
# Grand Canyon National Park

## Route 451

North Rim Campground  
End of Route 014

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
451	85549	1.47						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 501

Village Loop Bypass  
From Route 500 to Route 500

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
501	18866	0.32						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



NO PHOTO AVAILABLE



# Grand Canyon National Park

## Route 900

South Entrance Grand Canyon Parking  
Route 012, MP 0.31

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
900	AZ	990929			20119	0.34	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

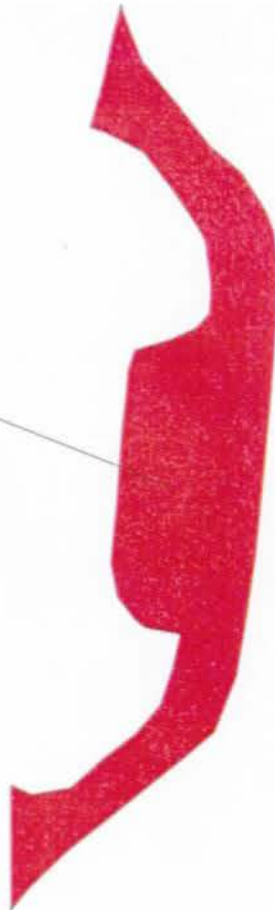
## Route 901

South Entrance Station Parking

Route 012, MP 0.46

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
901	AZ	990929			7160	0.12	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 902

Mather Point Parking

Route 012, MP 5.20

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
902	AZ	990929			55162	0.94	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet

A horizontal scale bar with alternating black and white segments. The markings are at 200, 0, 200, and 400 feet.



# Grand Canyon National Park

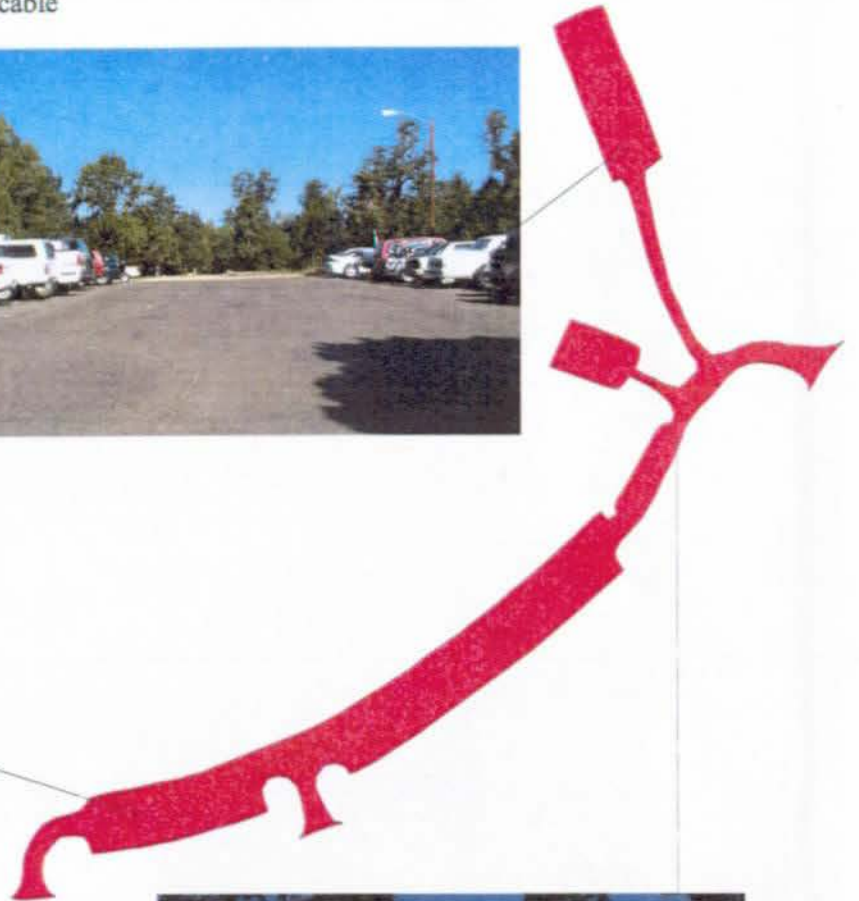
## Route 903

Visitor Center Parking

Route 012, MP 6.42

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
903	AZ	990929			88611	1.52	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



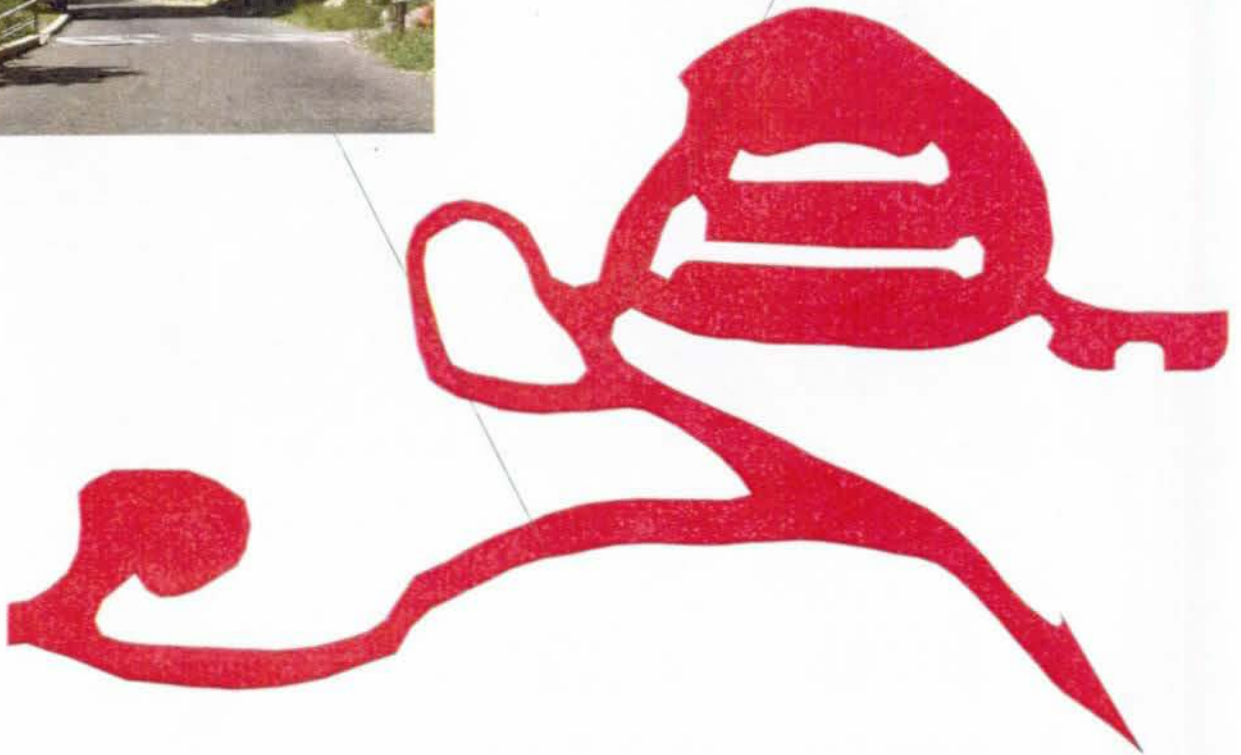
# Grand Canyon National Park

## Route 904

El Tovar/Verkamps Parking  
Route 500, MP 0.01

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
904	AZ	990929			70148	1.2	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet





# Grand Canyon National Park

## Route 905

Cochina Lodge Parking

Route 500, MP 0.01

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
905	AZ	990929			19564	0.33	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



70 0 70 140 Feet

A scale bar with four segments. The first segment is labeled '70', the second '0', the third '70', and the fourth '140 Feet'. The segments are black and white.

# Grand Canyon National Park

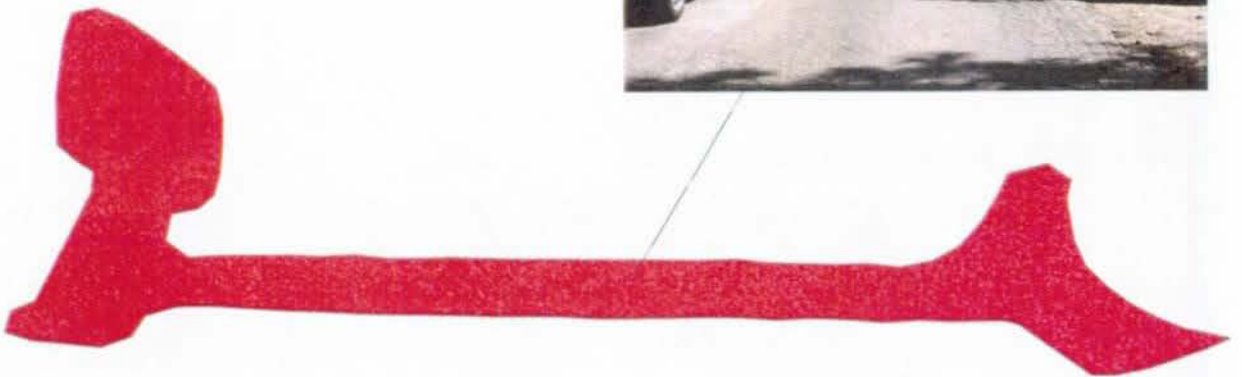
## Route 906

Thunderbird Lodge Parking

Route 500, MP 0.26

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
906	AZ	990929			21655	0.37	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 907

Bright Angel Lodge Parking

Route 500, MP 0.30

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
907	AZ	990929			48062	0.82	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet



# Grand Canyon National Park

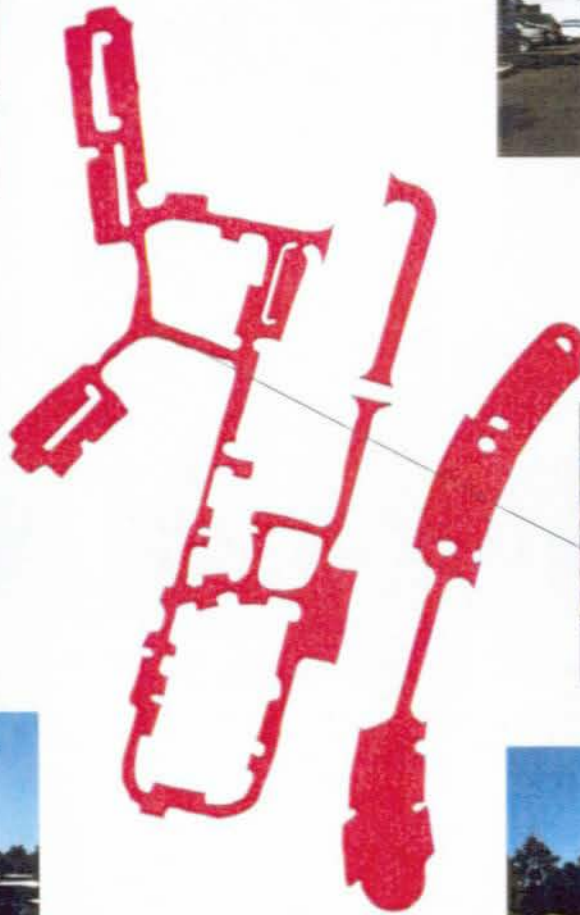
## Route 908

Maswick Standard Parking

Route 500, MP 0.64

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
908	AZ	990929			304042	5.23	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



600 0 600 1200 Feet





# Grand Canyon National Park

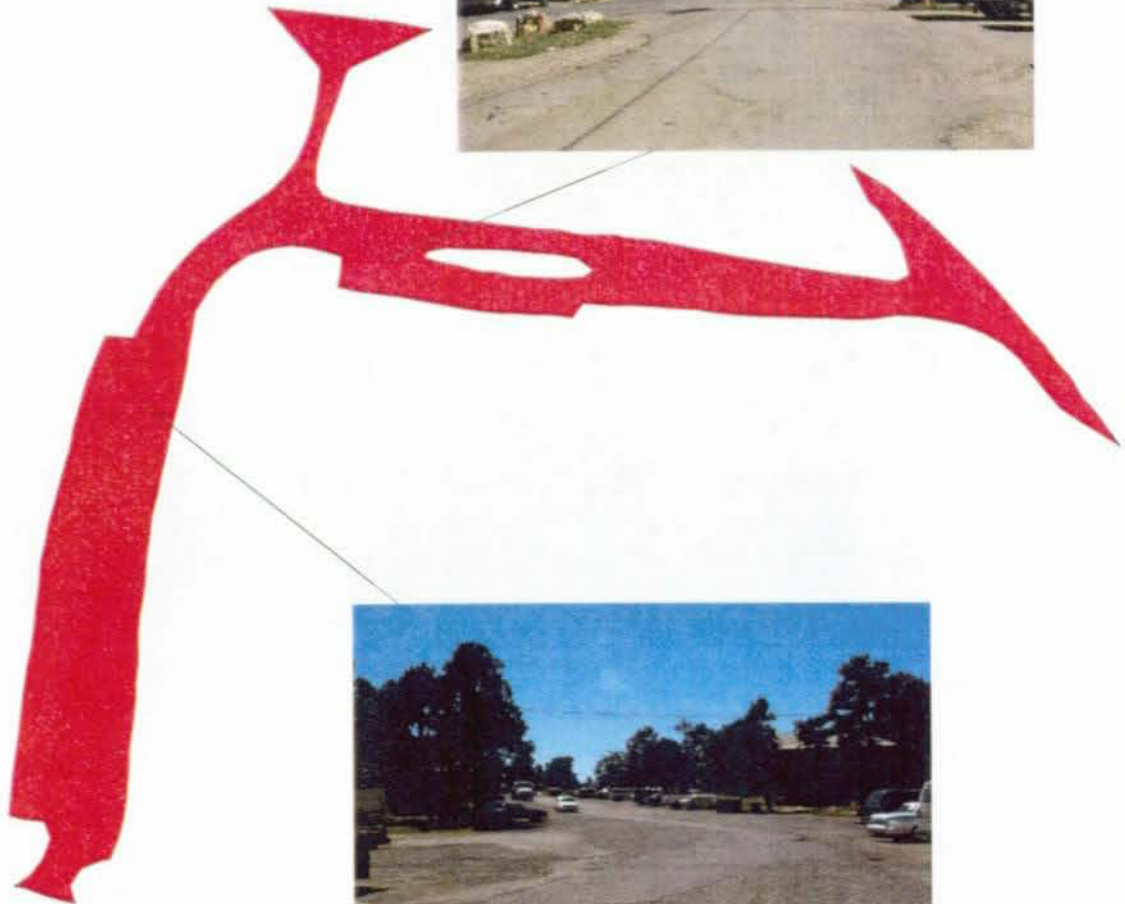
## Route 909

Service Parking Area

Route 500, MP 0.84

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
909	AZ	990929			78132	1.34	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



400 0 400 Feet



# Grand Canyon National Park

## Route 910

Human Resources Parking  
Route 500, MP 1.02

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
910	AZ	990929			5886	0.1	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 911

Trailview Parking

Route 015, MP 1.02

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
911	AZ	990929			5772	0.09	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 912

Grand Canyon Vista Parking  
Route 015, MP 1.41

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
912	AZ	990929			9580	0.16	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



80 0 80 160 Feet

A horizontal scale bar with markings at 80, 0, 80, and 160 feet.



# Grand Canyon National Park

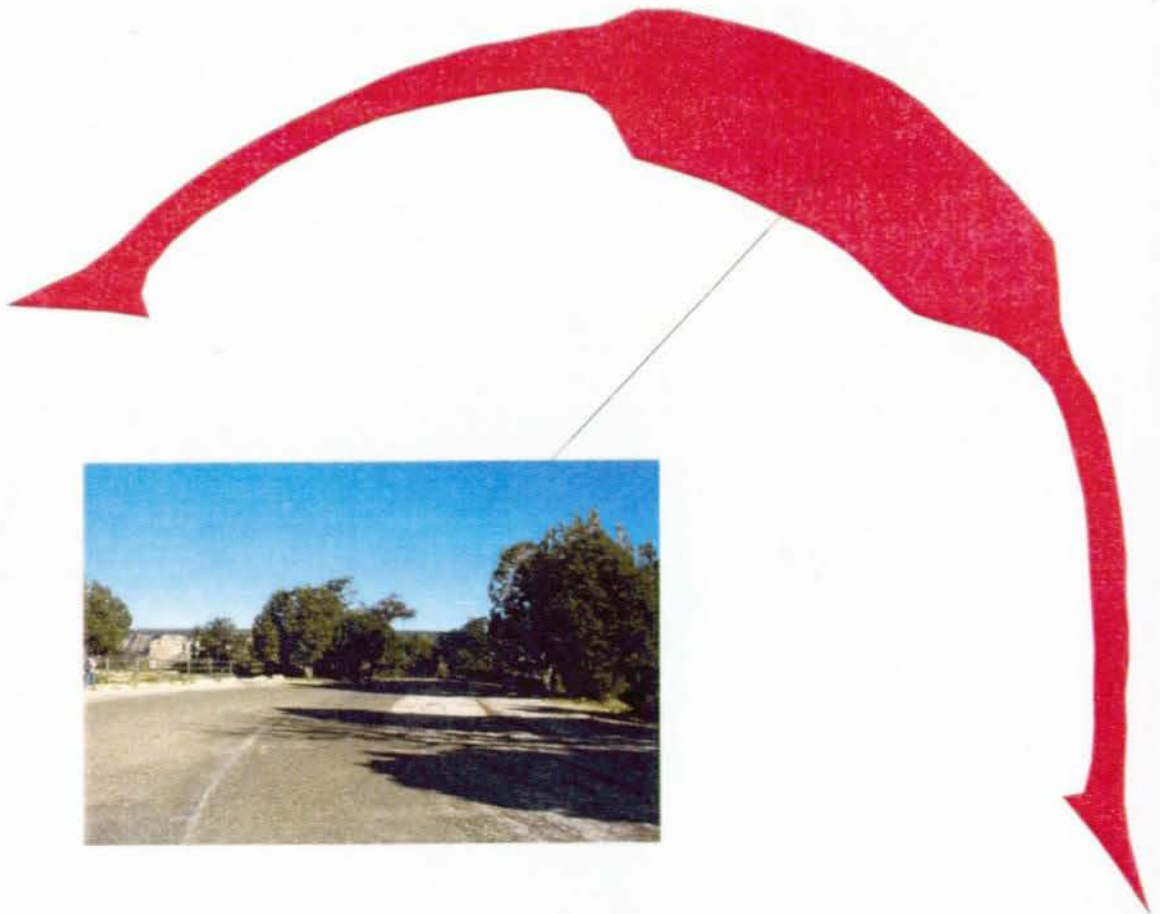
## Route 913

Maricopa Point Parking

Route 015, MP 1.68

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
913	AZ	990929			16273	0.28	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



# Grand Canyon National Park

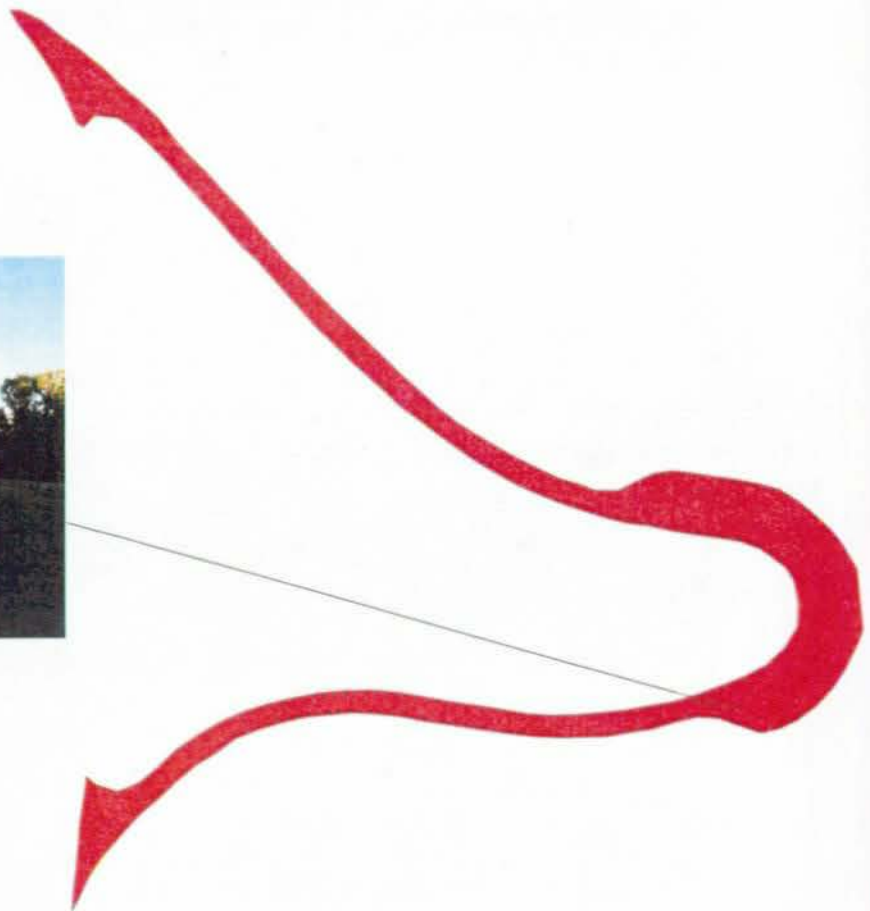
## Route 914

Powell Memorial Parking

Route 015, MP 2.14

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
914	AZ	990929			25751	0.44	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet





# Grand Canyon National Park

## Route 915

Hopi Point Parking

Route 015, MP 2.32

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
915	AZ	990929			17087	0.29	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



90 0 90 180 Feet

A horizontal scale bar with alternating black and white segments. The markings are labeled 90, 0, 90, and 180 Feet.

# Grand Canyon National Park

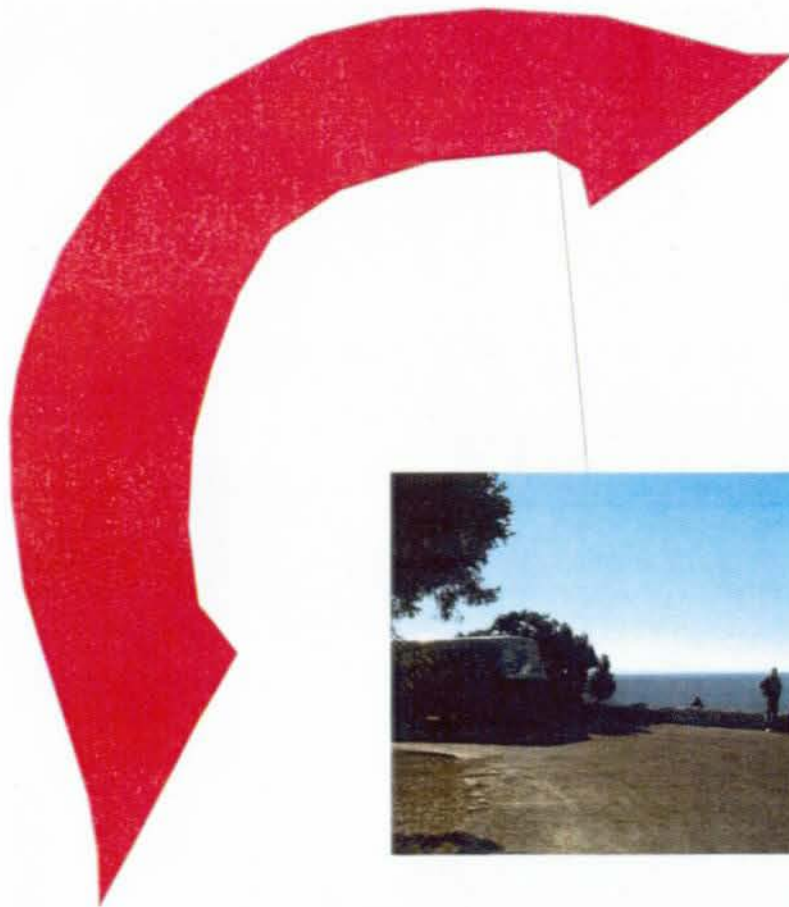
## Route 916

Hopi Point II Parking

Route 015, MP 2.39

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
916	AZ	990929			5279	0.09	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



50 0 50 100 Feet





# Grand Canyon National Park

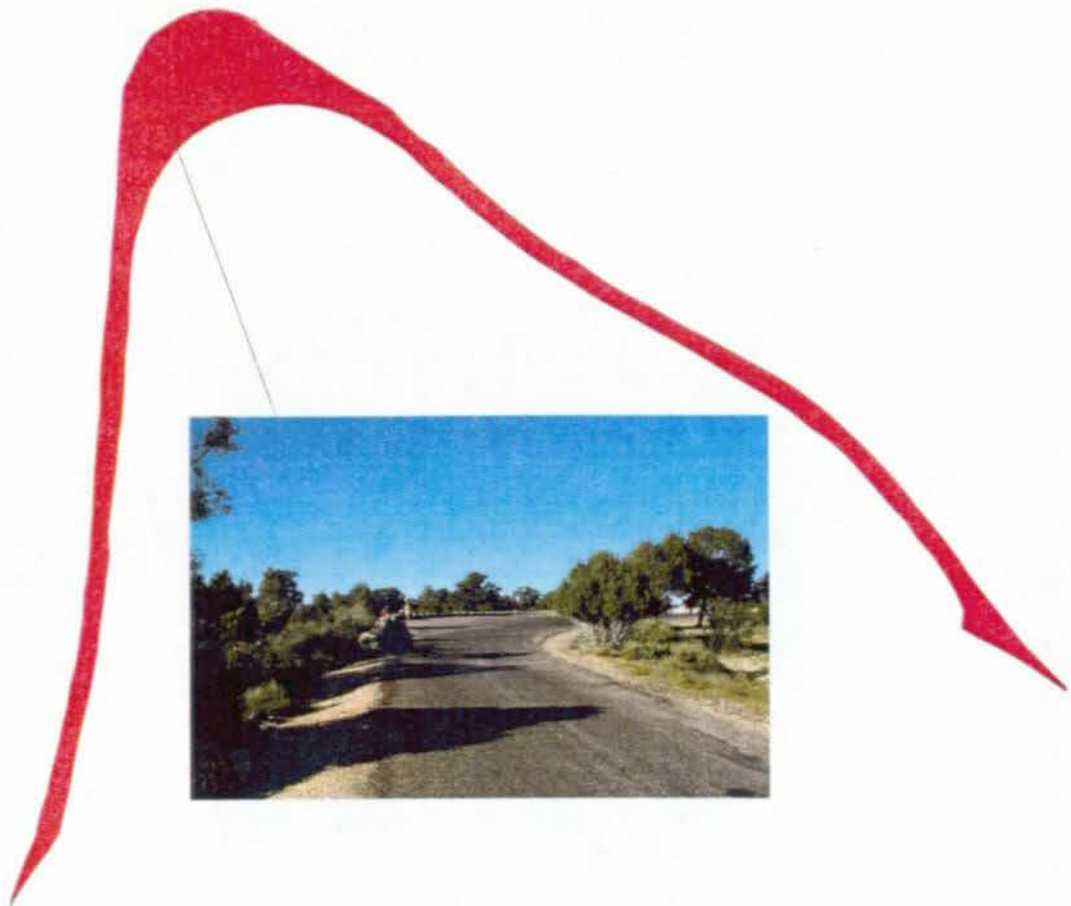
## Route 917

Mojave Point Parking

Route 015, MP 3.00

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
917	AZ	990929			27307	0.47	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet



# Grand Canyon National Park

## Route 918

Abyss Parking

Route 015, MP 4.00

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
918	AZ	990929			2899	0.04	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



50 0 50 100 Feet

A horizontal scale bar with four segments. The first segment is labeled '50', the second '0', the third '50', and the fourth '100 Feet'.



# Grand Canyon National Park

## Route 919

Pima Point Parking

Route 015, MP 6.18

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
919	AZ	991001			0	0.00	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



**NO GPS AVAILABLE**



# Grand Canyon National Park

## Route 920

Hermit's Rest Parking

Route 015, MP 6.96

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
920	AZ	990929			23561	0.4	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



90 0 90 180 Feet

A horizontal scale bar with alternating black and white segments. The markings are at 90, 0, 90, and 180 feet.



# Grand Canyon National Park

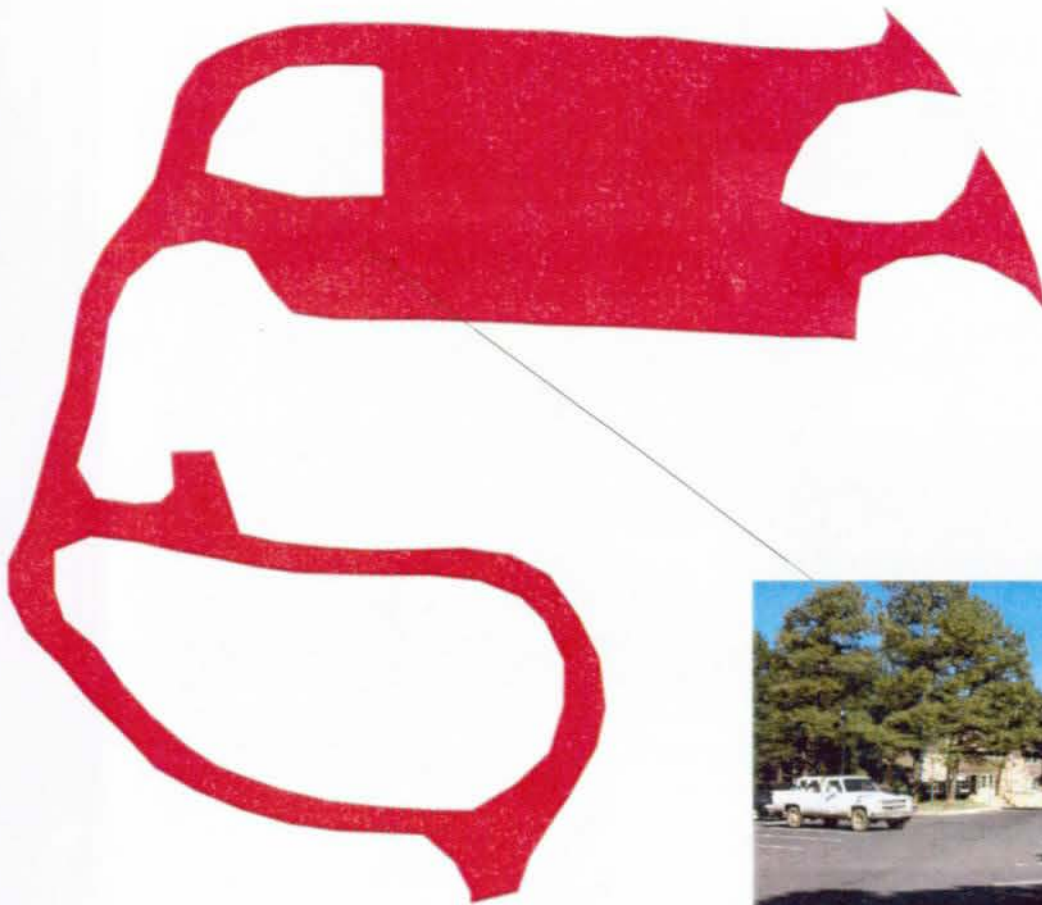
## Route 921

Train Station Parking

Route 500, MP 0.08

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
921	AZ	991003			25266	0.43	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 923

Maswick Transportation Center

End of Route 426

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
923	AZ	991003			11332	0.19	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 925

General Offices Parking

Route 432, MP 0.02

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
925	AZ	991003			14537	0.25	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



80 0 80 160 Feet



# Grand Canyon National Park

## Route 926

Chapel Parking

Route 409, MP 0.14

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
926	AZ	991003			11579	0.19	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



70 0 70 140 Feet

A scale bar with markings at 70, 0, 70, and 140 feet.



# Grand Canyon National Park

## Route 927

Boulder Street Residence Parking

Route 409, MP 0.14

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
927	AZ	991001			0	0.00	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



**NO GPS AVAILABLE**



# Grand Canyon National Park

## Route 928

Coconino School Parking

End of Route 408

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
928	AZ	991003			28741	0.49	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 929

Dormitory Parking

Route 601, MP 0.40

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
929	AZ	991003			36171	0.62	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet



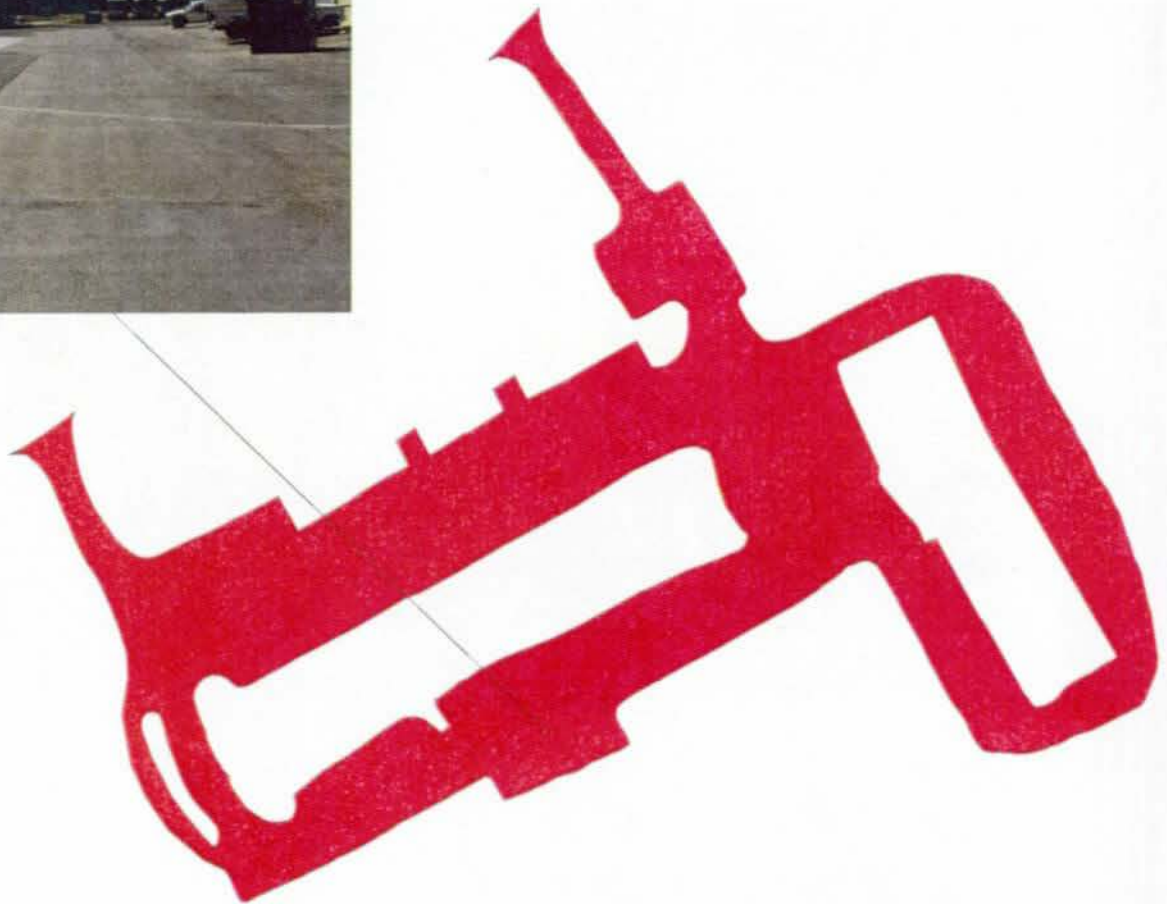
# Grand Canyon National Park

## Route 930

Albright Maintenance Area Parking  
Route 601, MP 0.56

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
930	AZ	991005			97965	1.68	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet





# Grand Canyon National Park

## Route 931

Shuttle Bus Parking

End of Route 428

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
931	AZ	991003			43708	0.75	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet

A horizontal scale bar with alternating black and white segments. The markings are labeled 100, 0, 100, and 200 Feet.

# Grand Canyon National Park

## Route 932

Fire Station Parking

End of Route 428

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
932	AZ	991003			5671	0.09	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

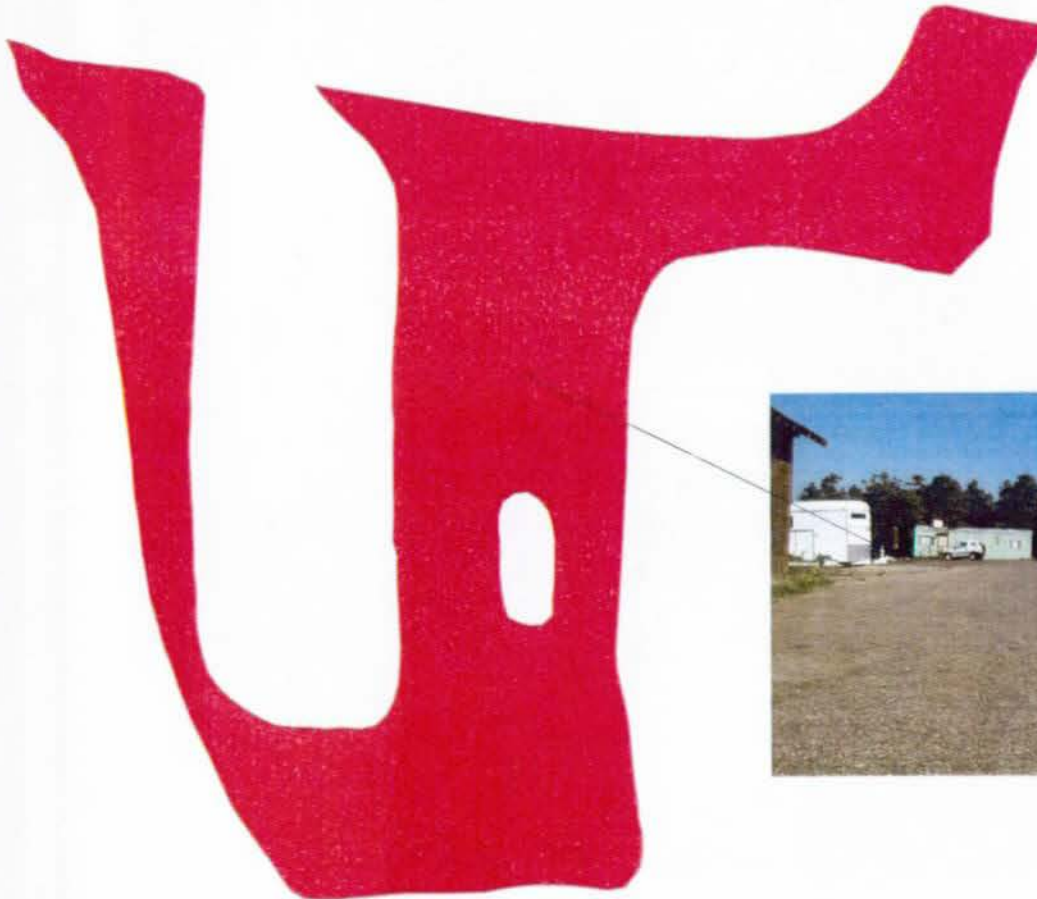
## Route 934

Stable Parking

Route 431, MP 0.08

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
934	AZ	991003			29332	0.5	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



90 0 90 180 Feet



# Grand Canyon National Park

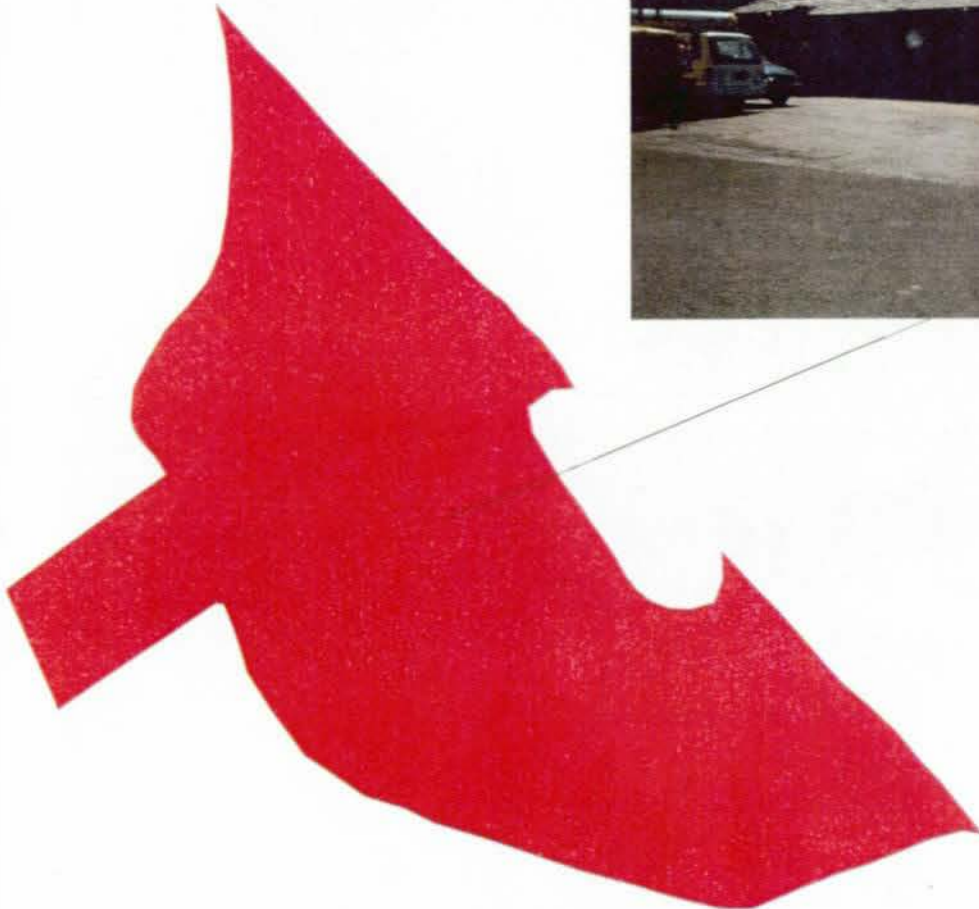
## Route 935

School Bus Parking

Route 016, MP 1.40

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
935	AZ	991003			8037	0.13	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



40 0 40 80 Feet

A horizontal scale bar with alternating black and white segments, marked with the numbers 40, 0, 40, and 80, followed by the word "Feet".



# Grand Canyon National Park

## Route 937

Clinic Parking

End of Route 288

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
937	AZ	991003			46292	0.79	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 938

Maintenance Parking

Route 287, MP 0.21

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
938		991003			9666	0.16	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 939

Wastewater Treatment Area

Route 427, MP 0.08

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
939		991004			14412	0.24	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



# Grand Canyon National Park

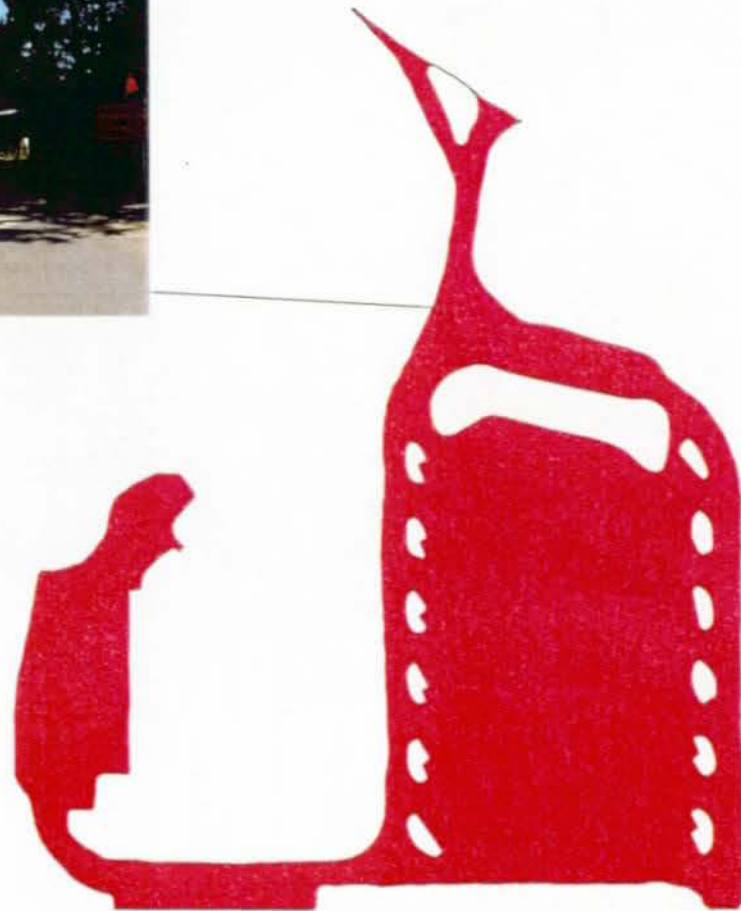
## Route 940

Mather Lodge Parking

Off Route 012

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
940	AZ	990930			148033	2.54	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet





# Grand Canyon National Park

## Route 941

Mather Campground Services Parking  
Off Route 012

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
941		991001			0	0.00	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



NO GPS AVAILABLE



# Grand Canyon National Park

## Route 942

Yavapai East Parking

Off Route 012

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
942	AZ	991003			82559	1.42	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



300 0 300 600 Feet





# Grand Canyon National Park

## Route 943

Yavapai West I Parking  
Off Route 012

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
943	AZ	991003			71875	1.23	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 944

Yavapai West II Parking

Off Route 012

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
944	AZ	991003			71874	1.23	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

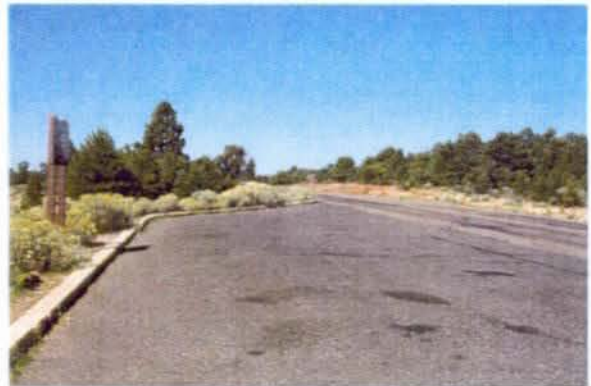
## Route 945

Parking at MP 0.14

Route 011, MP 0.14

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
945	AZ	991004			5361	0.09	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



50 0 50 100 Feet



# Grand Canyon National Park

## Route 946

Parking at MP 0.64

Route 011, MP 0.64

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
946	AZ	991004			8207	0.14	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



90 0 90 180 Feet

A scale bar with markings at 90, 0, 90, and 180 feet.



# Grand Canyon National Park

## Route 947

Parking at MP 0.88

Route 011, MP 0.88

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
947	AZ	991004			6352	0.1	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 948

Yaki Point Parking

End of Route 262

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
948	AZ	991004			20968	0.36	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet





# Grand Canyon National Park

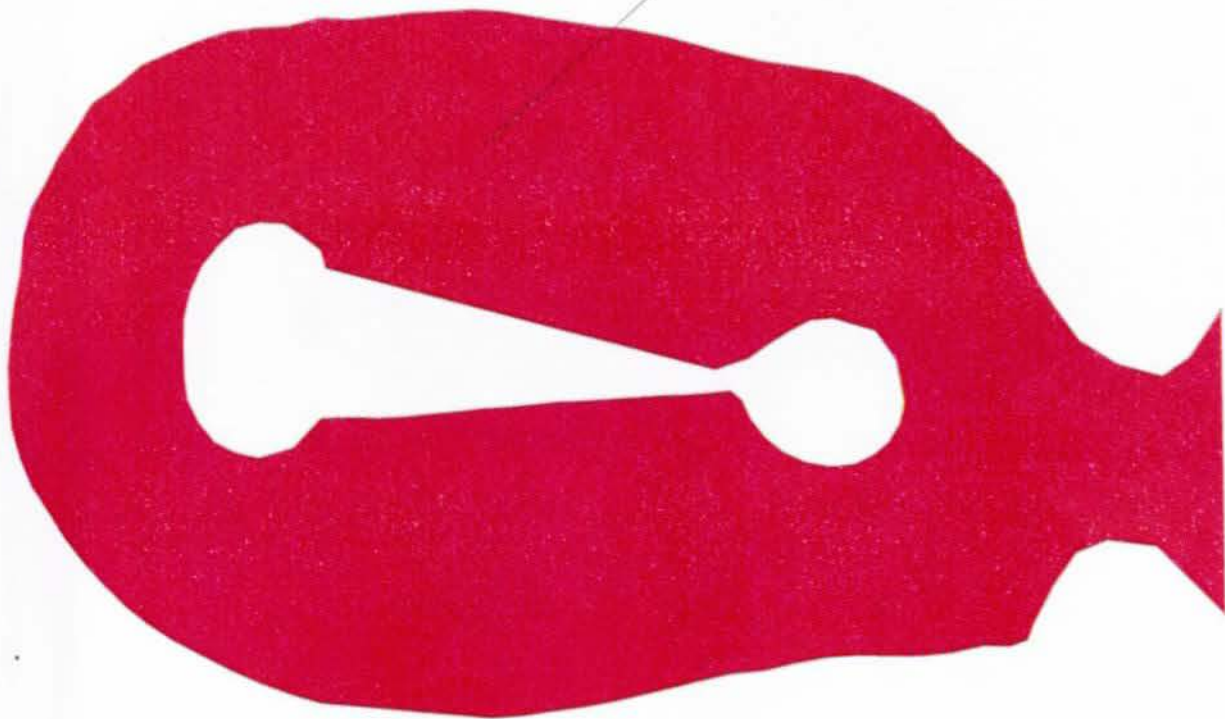
## Route 949

Kaibab Trail Service Road

End of Route 263

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
949		991004			22685	0.39	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 950

Duck-on-a-Rock Overlook Parking

Route 011, MP 3.86

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
950	AZ	991004			22767	0.39	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet





# Grand Canyon National Park

## Route 951

Twin Overlook Parking

Route 011, MP 4.68

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
951	AZ	990930			5857	0.1	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 952

Parking at MP 4.74

Route 011, MP 4.74

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
952	AZ	990930			5994	0.1	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

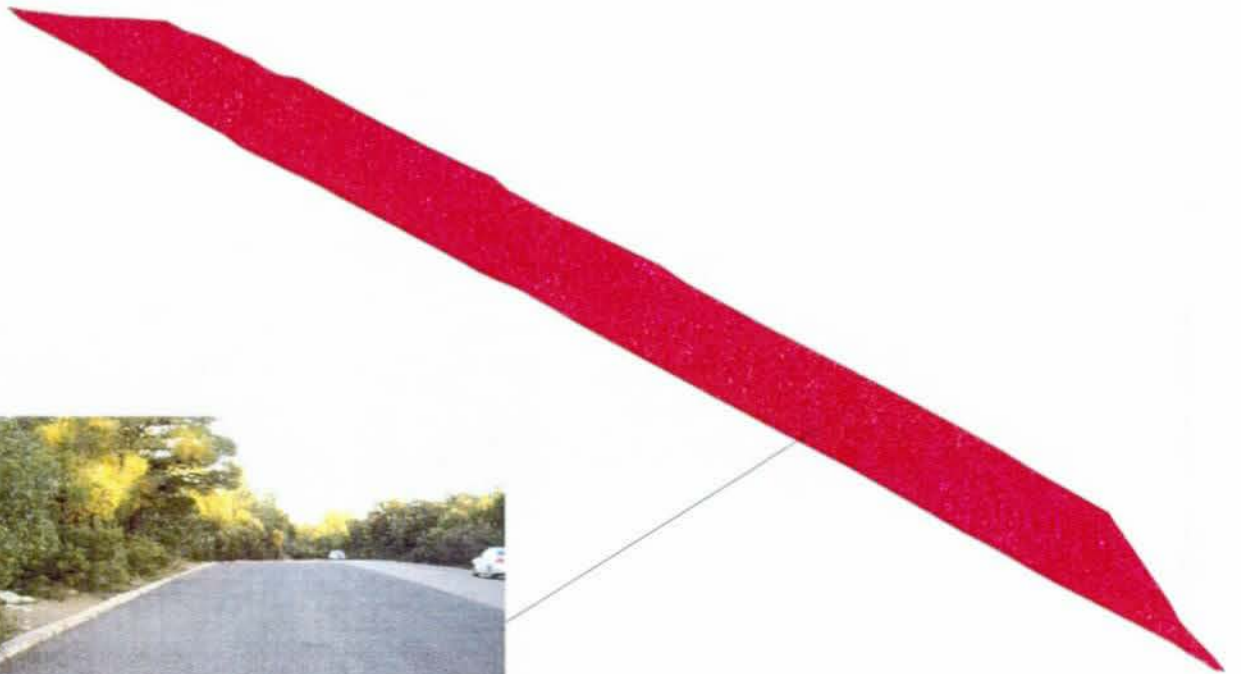
## Route 953

Thor's Hammer Overlook Parking

Route 011, MP 6.50

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
953	AZ	990930			10741	0.18	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



90 0 90 180 Feet

A horizontal scale bar with alternating black and white segments. The segments are labeled with the numbers 90, 0, 90, and 180, indicating distances in feet.

# Grand Canyon National Park

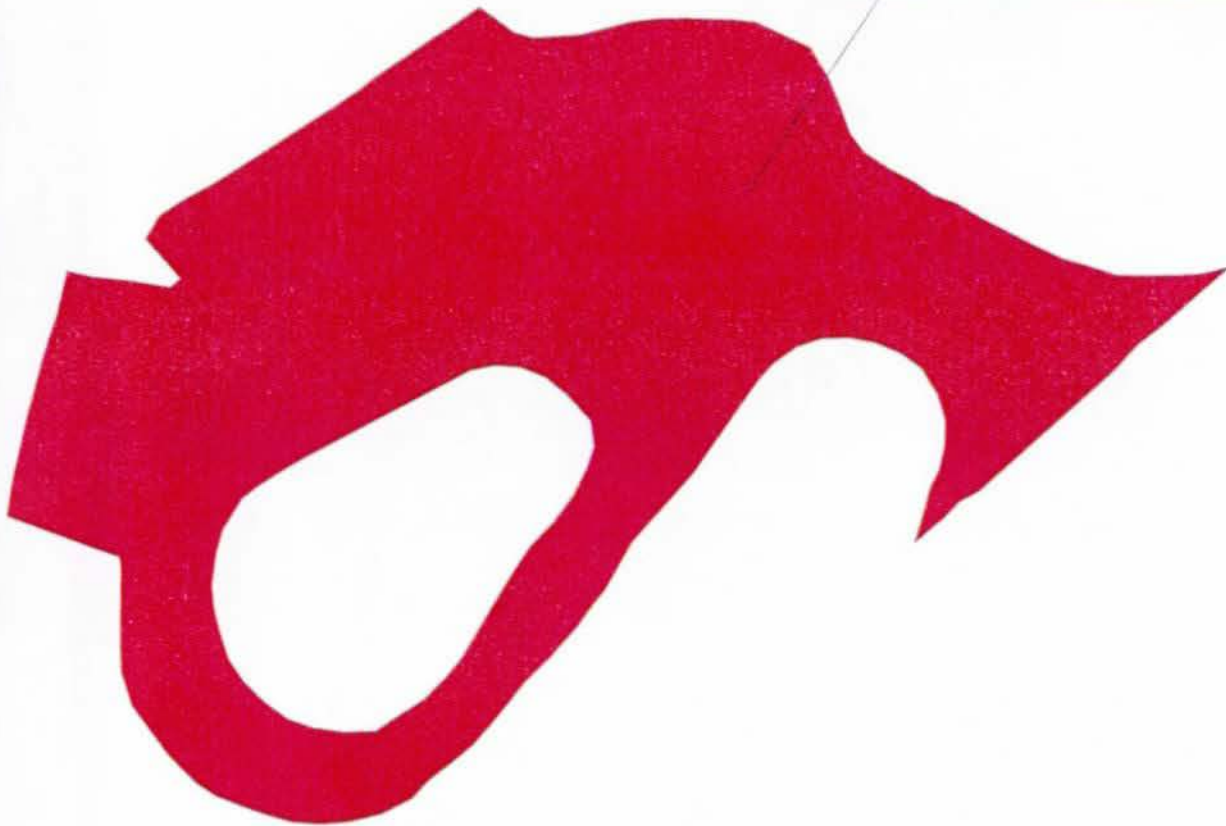
## Route 954

Buggeln Picnic Area

Route 011, MP 11.92

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
954	AZ	990930			11484	0.19	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



50 0 50 100 Feet

A horizontal scale bar with four segments. The first segment is labeled '50', the second '0', the third '50', and the fourth '100 Feet'. The bar is black with white markings.



# Grand Canyon National Park

## Route 955

No-Name Point Parking

Route 011, MP 19.30

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
955	AZ	990930			14403	0.24	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



# Grand Canyon National Park

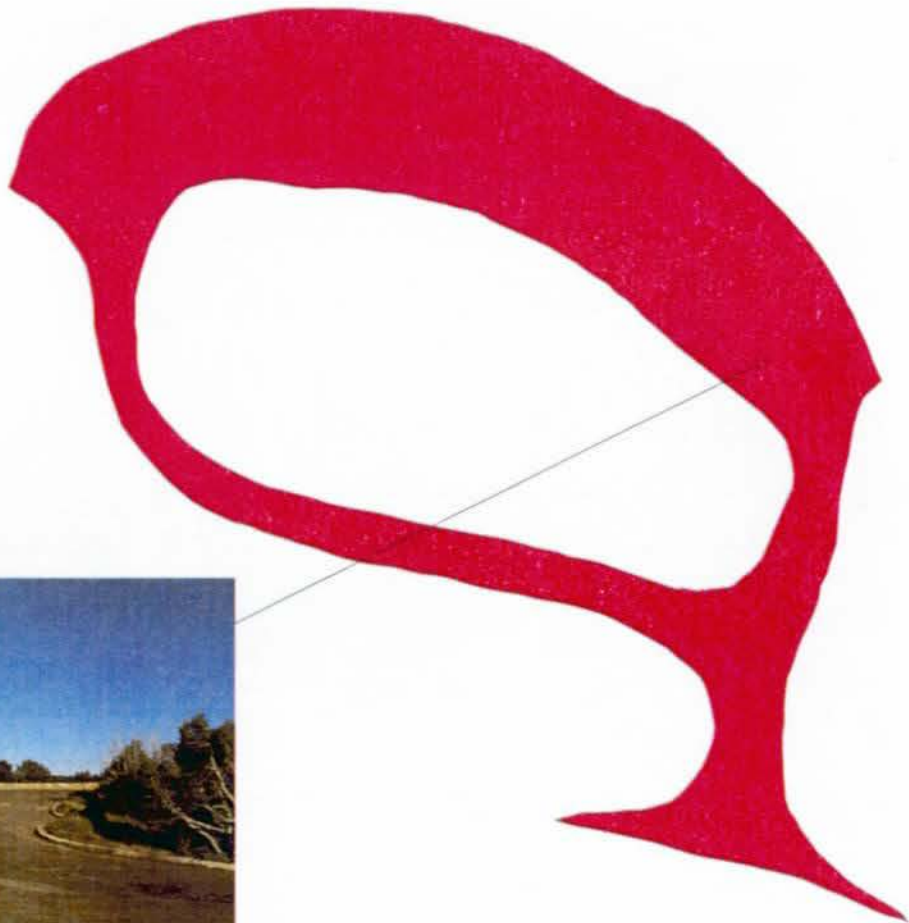
## Route 956

Navajo Point Parking

Route 011, MP 20.70

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
956	AZ	990930			26002	0.44	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

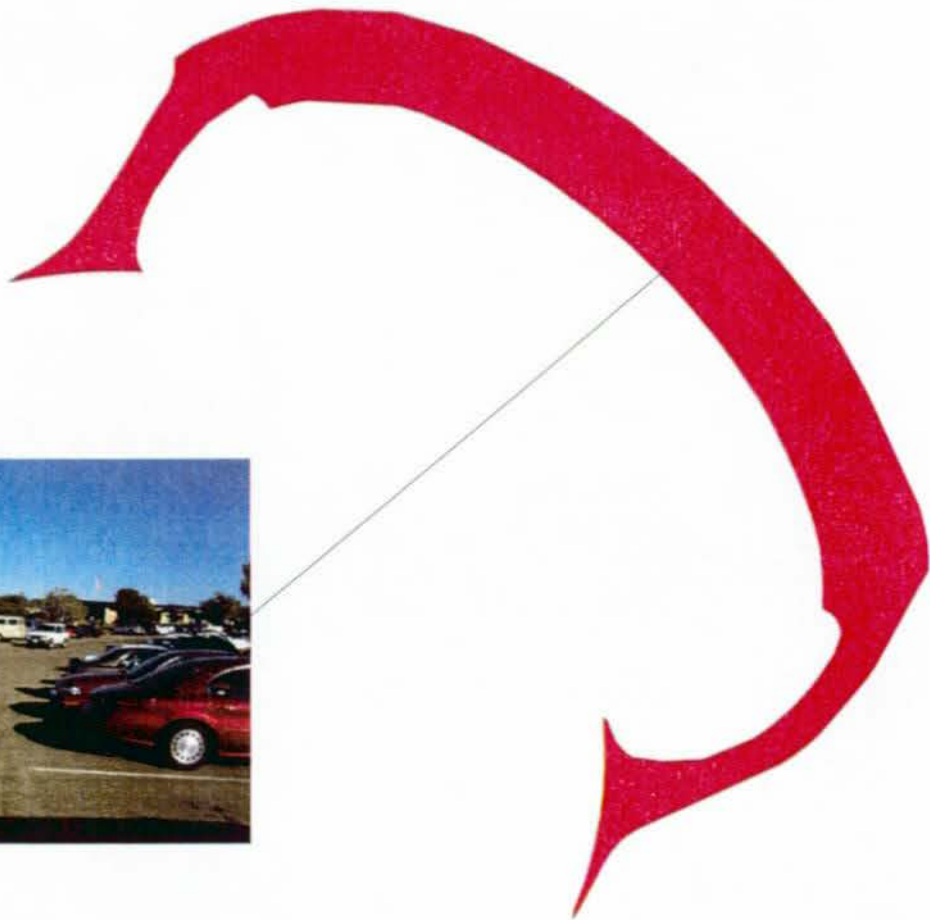
## Route 957

Desert View Parking

Route 011, MP 21.52

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
957	AZ	990930			69856	1.2	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet

A horizontal scale bar with alternating black and white segments. The markings are at 200, 0, 200, and 400 feet.

# Grand Canyon National Park

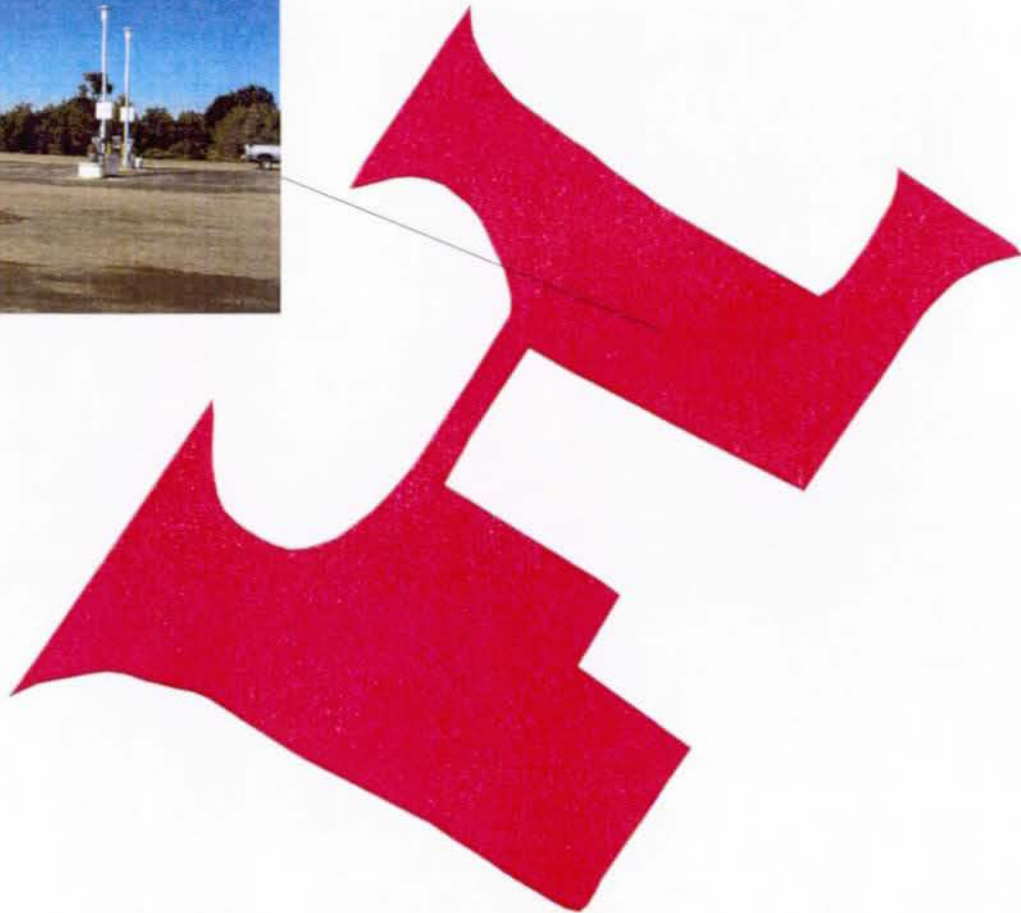
## Route 958

Desert View Gas Station

Route 011, MP 21.65

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
958	AZ	990930			24897	0.42	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



90 0 90 180 Feet

A horizontal scale bar with four segments. The first segment is labeled '90', the second '0', the third '90', and the fourth '180 Feet'.



# Grand Canyon National Park

## Route 959

East Entrance Ranger Station Parking

Route 461, MP 0.08

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
959	AZ	990930			5381	0.09	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 960

North Rim Entrance Parking

Route 014, MP 0.11

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
960	AZ	991004			0	0.00	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



**NO GPS AVAILABLE**





# Grand Canyon National Park

## Route 961

North Rim Forest Parking  
Route 014, MP 4.03

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
961	AZ	991004				0	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



**NO GPS AVAILABLE**



# Grand Canyon National Park

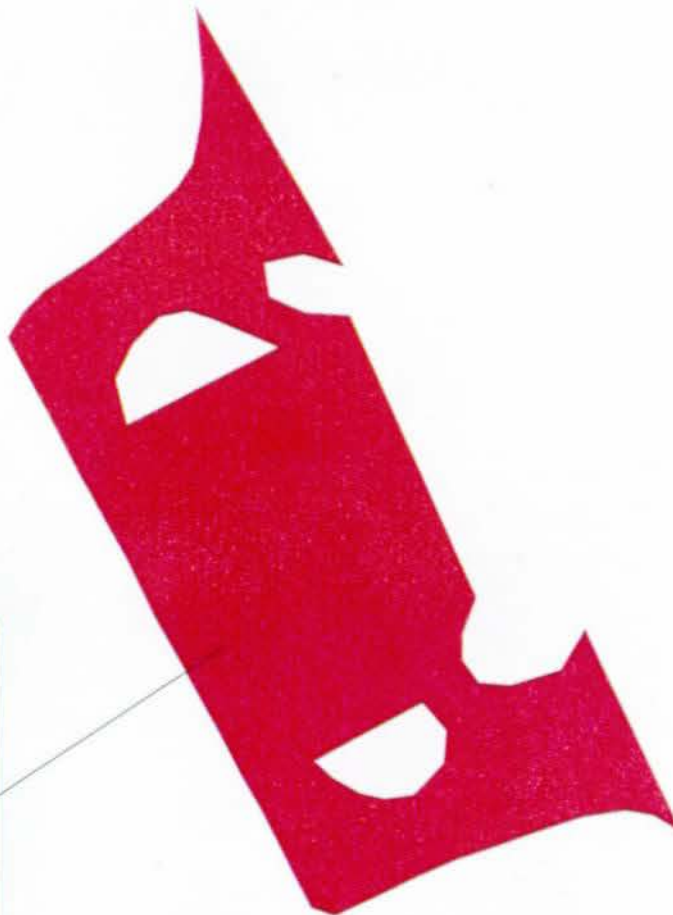
## Route 963

Kaibab Trailhead Parking

Route 014, MP 10.56

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
963	AZ	991001			6184	0.1	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



30 0 30 60 Feet

A horizontal scale bar with alternating black and white segments. The markings are labeled 30, 0, 30, and 60 Feet.



# Grand Canyon National Park

## Route 965

North Rim Visitor Center Parking

Route 014, MP 12.48

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
965	AZ	991001			130903	2.25	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



300 0 300 600 Feet



# Grand Canyon National Park

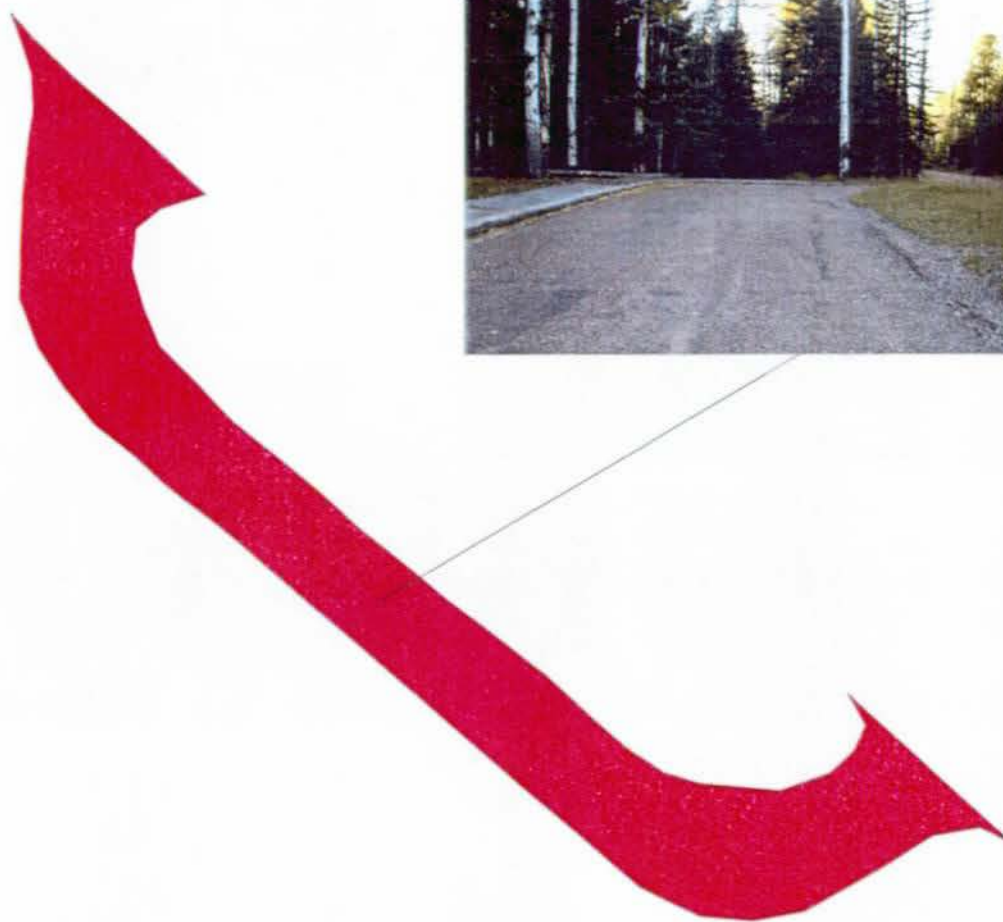
## Route 966

Picnic Parking Area

Route 013, MP 3.70

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
966	AZ	991001			4610	0.07	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



50 0 50 100 Feet

A horizontal scale bar with alternating black and white segments, marked with the numbers 50, 0, 50, and 100 Feet.



# Grand Canyon National Park

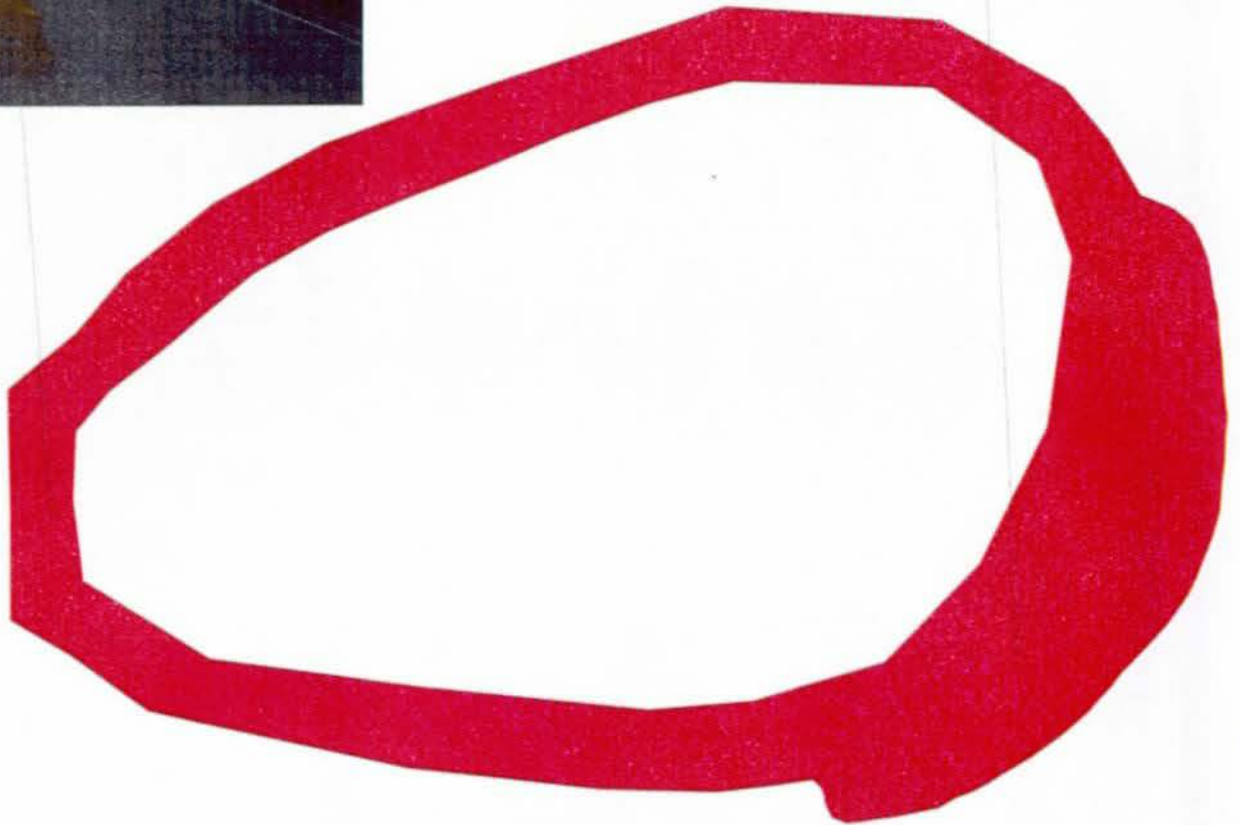
## Route 967

Point Imperial Parking

Route 010, MP 2.66

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
967		991002			120258	2.07	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



# Grand Canyon National Park

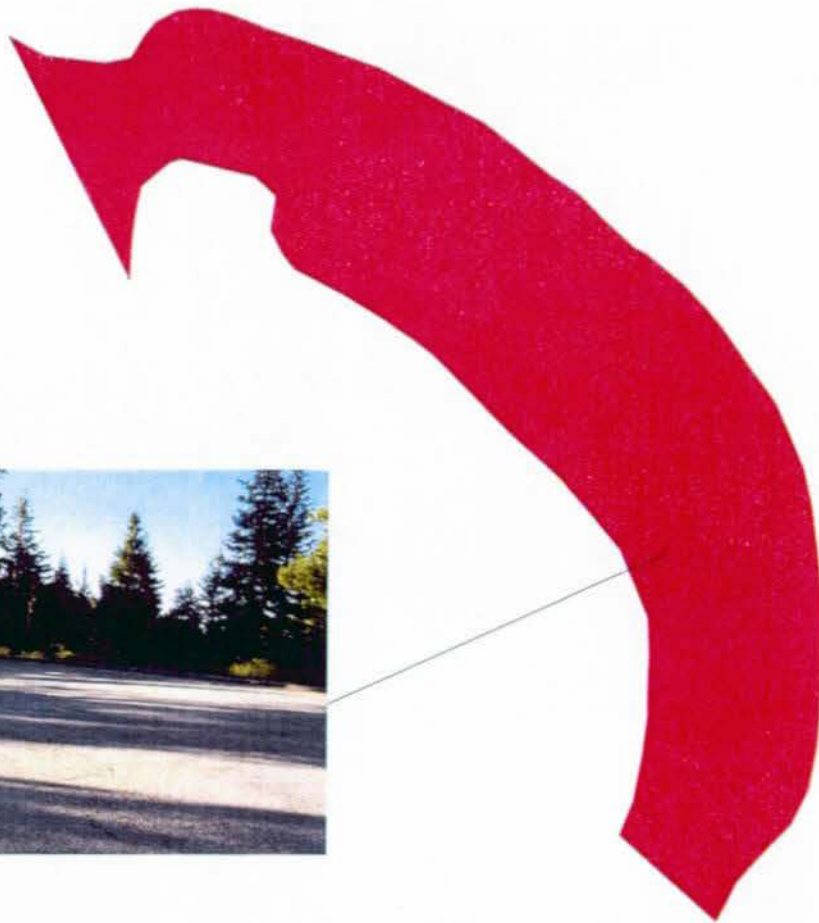
## Route 968

Vista Encantada Picnic Area

Route 013, MP 9.93

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
968	AZ	991001			12585	0.21	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



70 0 70 140 Feet





# Grand Canyon National Park

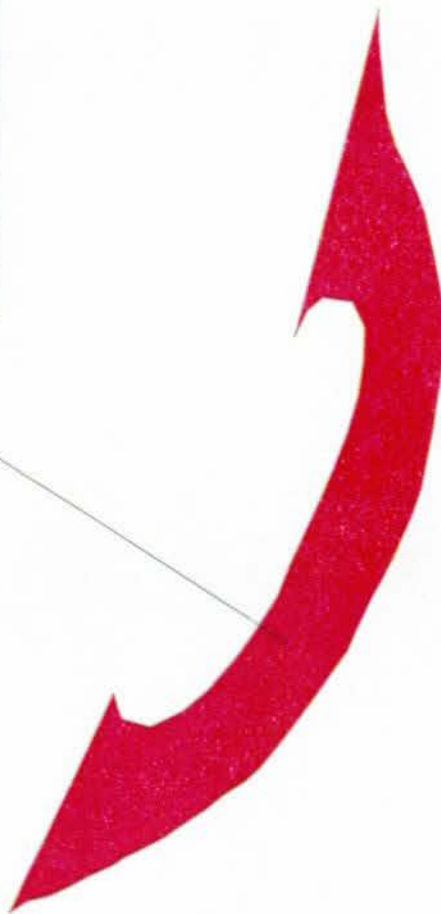
## Route 969

Roosevelt Point Parking

Route 013, MP 11.62

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
969	AZ	991001			5511	0.09	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



70 0 70 140 Feet

A horizontal scale bar with four segments. The first segment is labeled '70', the second '0', the third '70', and the fourth '140 Feet'. The segments are black and white, with the black segments representing the 70-foot intervals.

# Grand Canyon National Park

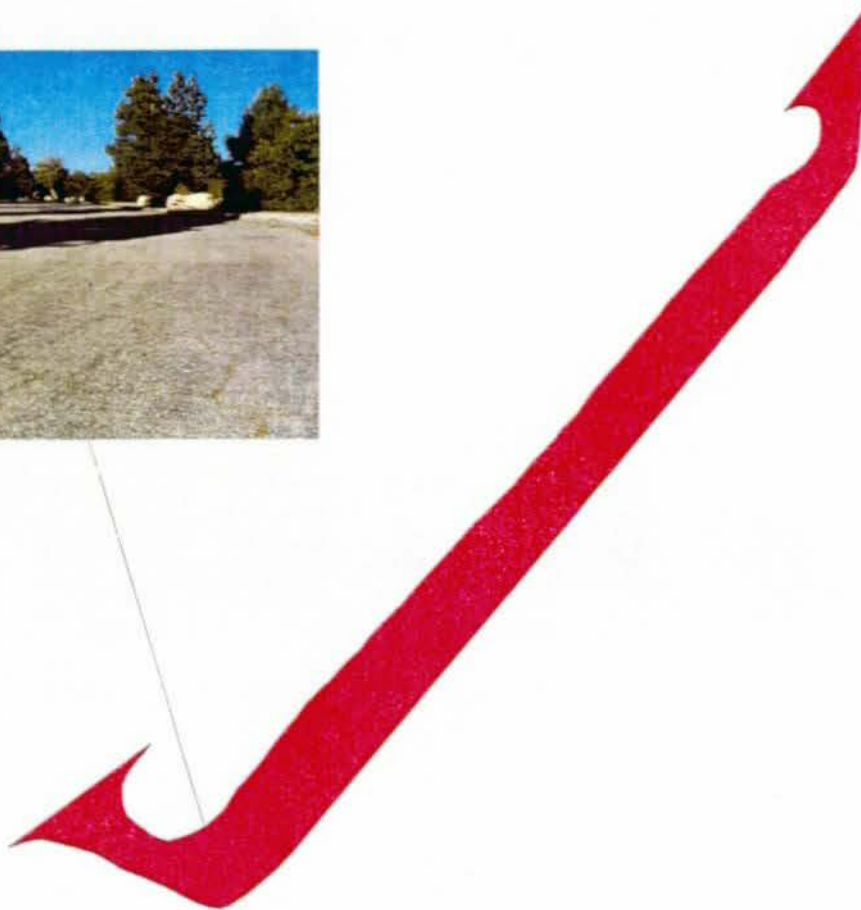
## Route 970

Wahalla Plateau Overlook Parking

Route 013, MP 18.09

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
970	AZ	991001			27273	0.46	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet

A horizontal scale bar with alternating black and white segments. The markings are labeled 200, 0, 200, and 400 Feet.



# Grand Canyon National Park

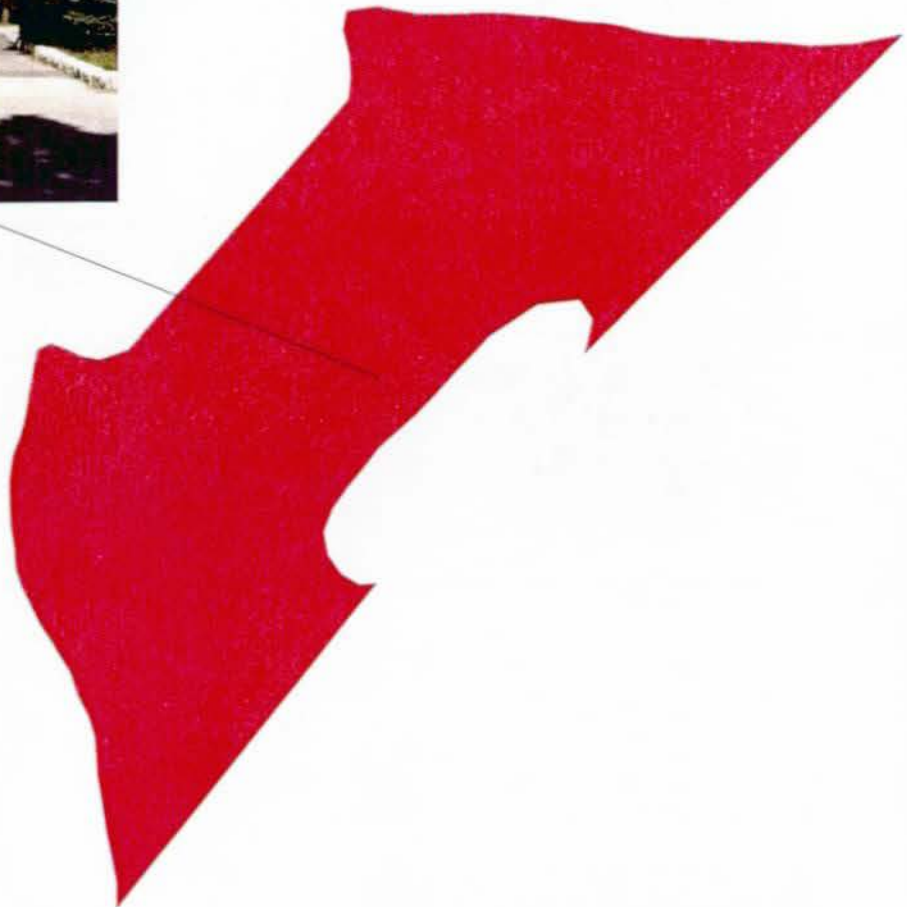
## Route 971

General Store Parking

Route 201, MP 0.15

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
971	AZ	991001			10265	0.17	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



50 0 50 100 Feet

A horizontal scale bar with alternating black and white segments. The markings are at 0, 50, and 100 feet.

# Grand Canyon National Park

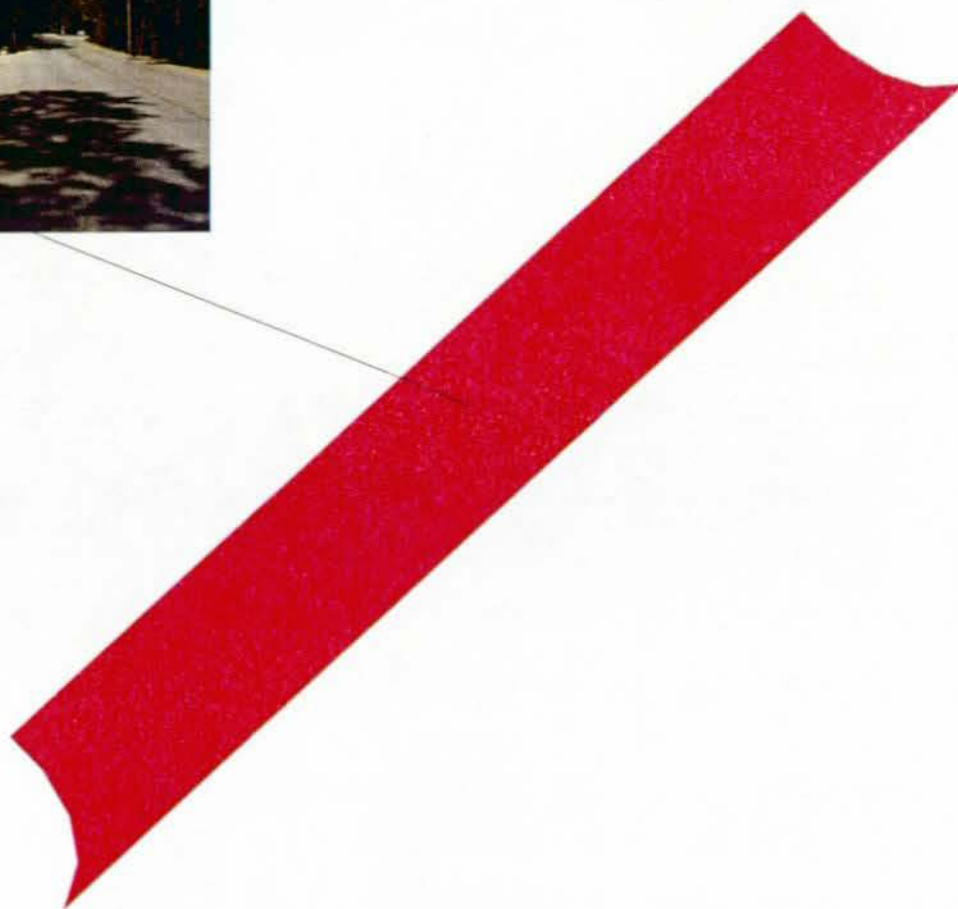
## Route 972

North Rim Campground

End of Route 201

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
972	AZ	991001			2805	0.04	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths





# Grand Canyon National Park

## Route 973

North Rim General Store Parking

Off Route 014

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
973	AZ	991001					FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



**NO GPS AVAILABLE**



# Grand Canyon National Park

## Route 974

Grand Canyon Lodge Parking

End of Route 014

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
974	AZ	991001			22738	0.39	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet





# Grand Canyon National Park

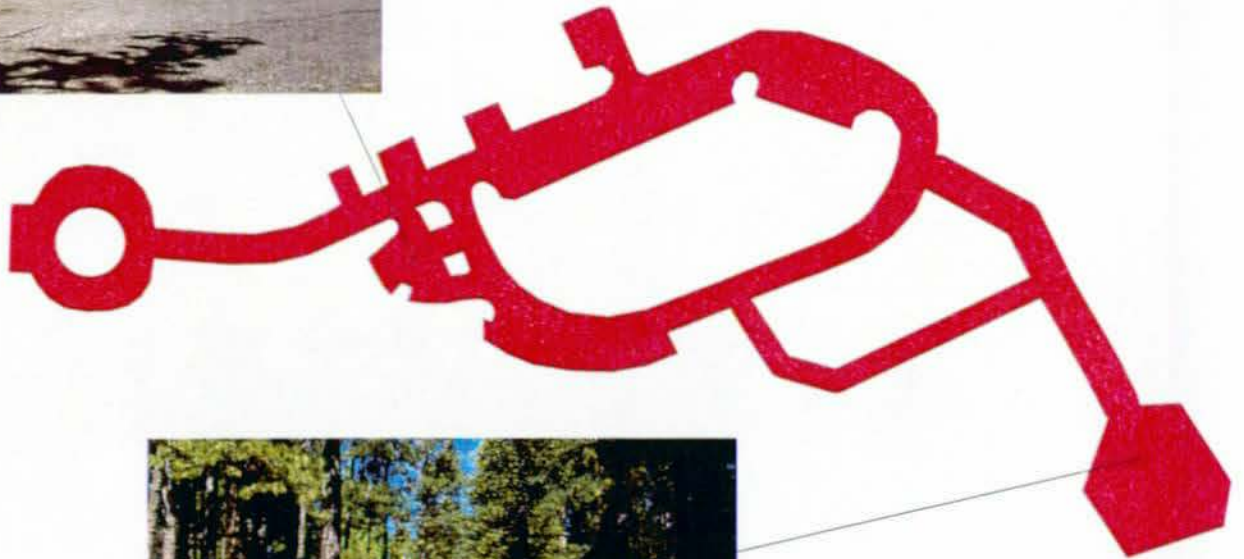
## Route 975

North Rim Service Facility

End of Route 404

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
975	AZ	991001			28137	0.48	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

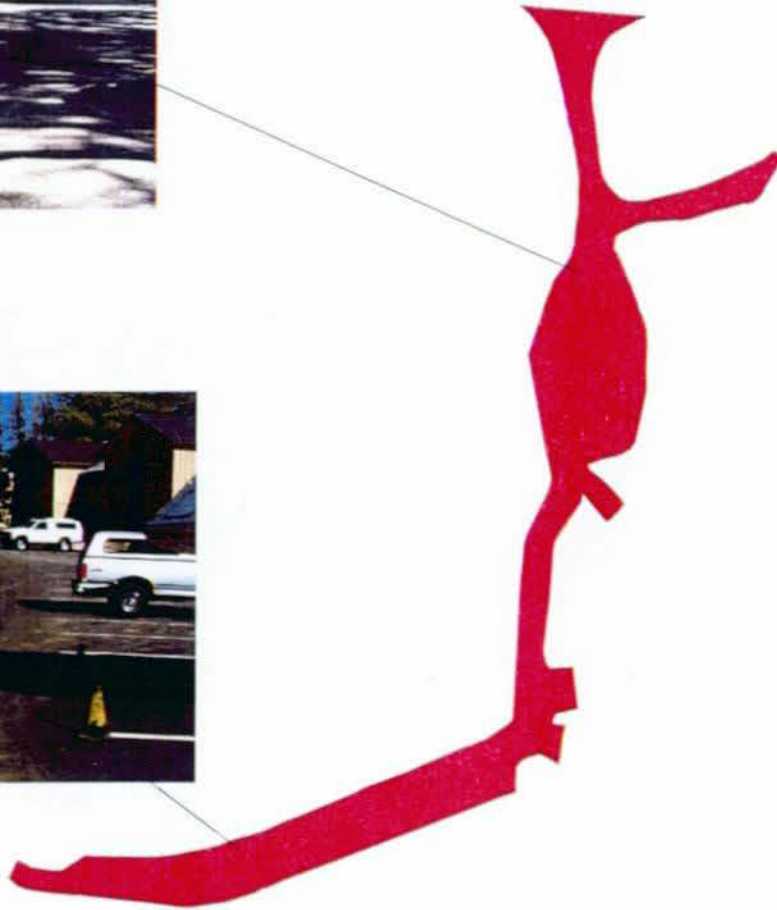
## Route 976

North Rim Ranger Station Parking

Route 405, MP 0.04

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
976	AZ	991001			35933	0.61	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet





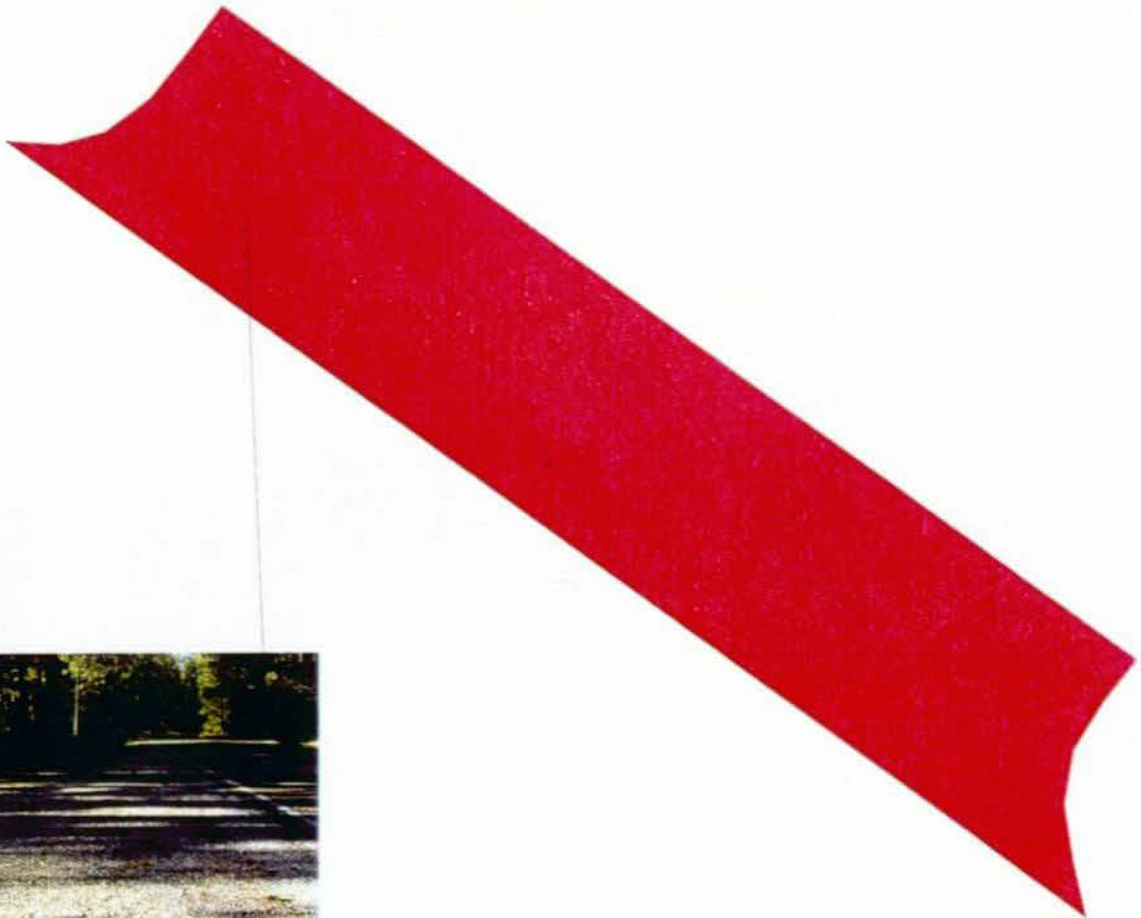
# Grand Canyon National Park

## Route 977

North Rim Fire Parking  
Off Route 013

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
977	AZ	991001			6815	0.11	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 978

Greenland Lakes Sinkholes Park

Off Route 013

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
978	AZ	991001			1296	0.02	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



30 0 30 60 Feet

A horizontal scale bar with alternating black and white segments. It is marked with the numbers 30, 0, 30, and 60, followed by the word "Feet". The 0 is in the center, with 30 on either side, and 60 at the far right end.



# Grand Canyon National Park

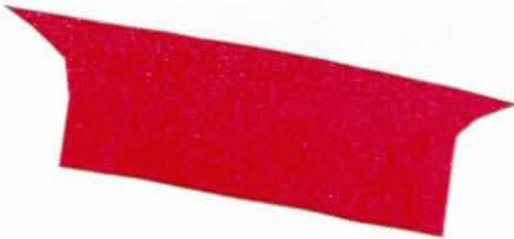
## Route 979

Garage Parking

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
979	AZ	991003			7772	0.13	GOOD

- Length and width will be used when applicable

- Lane miles are based on 11' lane widths



# Grand Canyon National Park

## Route 980

Grandview Point Road  
From Route 011 to End of Loop

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
264	34891	0.6						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet

A scale bar with four segments. The first segment is labeled '200', the second '0', the third '200', and the fourth '400 Feet'. The segments are separated by vertical tick marks.



# Grand Canyon National Park

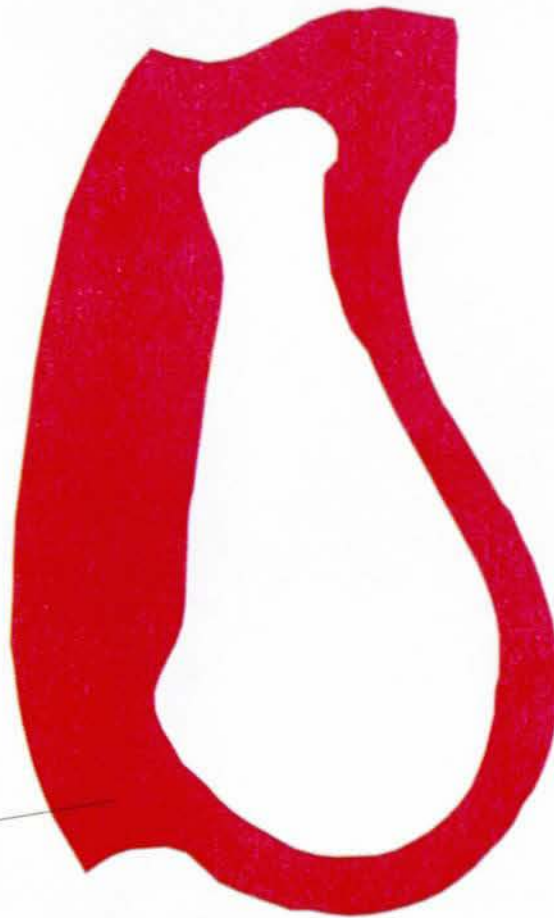
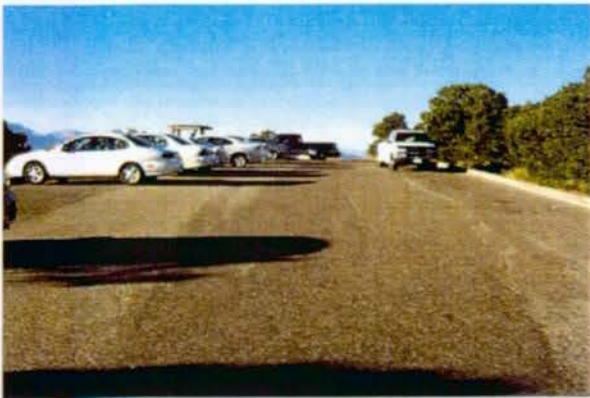
## Route 981

Lipan Point Road

From Route 011 to End of Loop

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
267	15166	0.26						FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



# PARKWIDE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	45	EACH
1153	INTERSECTION	189	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	9907	LINEAR FEET
1331	CULVERT	273	EACH
1333	DROP INLET	13	EACH
1340	CURB	20732	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	2095	LINEAR FEET
1542	GUARD WALL	1928	LINEAR FEET
1545	CATTLE GUARD	2	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	1	EACH
8400	RAILROAD CROSSING	5	EACH
	PARK BOUNDARY	2	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:010 : POINT IMPERIAL ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	1	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	5	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:011 : DESERT VIEW DRIVE

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	8	EACH
1153	INTERSECTION	31	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	3763	LINEAR FEET
1331	CULVERT OPENING	43	EACH
1333	DROP INLET	3	EACH
1340	CURB	6690	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	1219	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:012 : SOUTH ENTRANCE ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	2	EACH
1153	INTERSECTION	21	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	21	EACH
1333	DROP INLET	0	EACH
1340	CURB	713	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:013 : CAPE ROYAL ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	4	EACH
1153	INTERSECTION	4	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	2105	LINEAR FEET
1331	CULVERT OPENING	32	EACH
1333	DROP INLET	0	EACH
1340	CURB	560	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:014 : NORTH ENTRANCE ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	3	EACH
1153	INTERSECTION	15	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	4039	LINEAR FEET
1331	CULVERT OPENING	97	EACH
1333	DROP INLET	3	EACH
1340	CURB	3370	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	876	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	2	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	2	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:015 : HERMIT REST ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	11	EACH
1153	INTERSECTION	20	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	12	EACH
1333	DROP INLET	0	EACH
1340	CURB	523	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	1928	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:016 : CENTER ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	2	EACH
1153	INTERSECTION	13	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	17	EACH
1333	DROP INLET	0	EACH
1340	CURB	560	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:160 : ROWE WELL ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	3	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	9	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:163 : HAVASUPAI ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	3	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	2	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:201 : NORTH RIM CAMPGROUND ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	1	EACH
1153	INTERSECTION	2	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:203 : YAVAPAI POINT ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	0	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	480	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:262 : YAKI POINT ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	1	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	4	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:263 : KAIBAB TRAIL ACCESS ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	0	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	2	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:264 : GRANDVIEW POINT ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	0	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	4	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:266 : TUSAYAN RUIN ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	1	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:287 : ROUTE 160 ACCESS ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	3	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	4	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	2	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:288 : CLINIC ACCESS ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	2	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:403 : TONTO STREET

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	1	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	2	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:408 : COCONINO ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	6	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	3	EACH
1333	DROP INLET	1	EACH
1340	CURB	179	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	1	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:409 : BOULDER STREET

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	1	EACH
1153	INTERSECTION	4	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:413 : APACHE STREET

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	2	EACH
1153	INTERSECTION	1	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	998	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:417 : HUALAPAI ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	3	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:422 : GRAND CANYON VILLAGE NEW HOUSING ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	3	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:426 : MASWICK TRANSPORTATION CENTER ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	1	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	644	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:428 : SHUTTLE BUS ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	2	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	2	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:431 : JUNIPER HILL

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	4	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:432 : NAVAJO STREET

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	0	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	1	EACH
1333	DROP INLET	0	EACH
1340	CURB	26	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:435 : SUNSET DRIVE

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	6	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	2	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:437 : PARK CIRCLE

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	1	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:438 : BARRY HANCE CIRCLE

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	1	EACH
1153	INTERSECTION	1	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	2	EACH
1333	DROP INLET	0	EACH
1340	CURB	106	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:440 : RANDY THOMPSON CIRCLE

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	3	EACH
1153	INTERSECTION	3	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	1	EACH
1333	DROP INLET	0	EACH
1340	CURB	259	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:444 : KAIBAB STREET

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	4	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	3	EACH
1333	DROP INLET	1	EACH
1340	CURB	32	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:461 : EAST ENTRANCE RESIDENCE ROAD

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	2	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH



# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:500 : VILLAGE LOOP DRIVE

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	7	EACH
1153	INTERSECTION	16	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	0	EACH
1333	DROP INLET	5	EACH
1340	CURB	5592	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	3	EACH
	PARK BOUNDARY	0	EACH

# ROUTE MAINTENANCE FEATURES SUMMARY

Western Region : GRCA : 8210

## ROUTE:601 : ALBRIGHT AVENUE

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	11	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT OPENING	5	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 010

POINT IMPERIAL ROAD

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.027	0.000		Intersection	ROUTE 013
0.156	0.000		Culvert	
0.242	0.000		Culvert	
0.418	0.000		Culvert	
1.146	0.000		Culvert	
1.842	0.000		Culvert	



ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 011

DESERT VIEW DRIVE

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.141	0.000		Pullout	ROUTE 945
0.389	0.000	Pullout		
0.395	0.401	Curb		
0.449	0.467	Curb		
0.537	0.000	Pullout		ROUTE 946
0.547	0.000	Drop inlet		
0.557	0.563	Curb		
0.610	0.622	Curb		
0.670	0.000	Culvert		ROUTE 013
0.855	0.000	Intersection		ROUTE 947
1.028	0.000		Culvert	
1.213	0.000		Culvert	
1.244	0.000		Intersection	
1.888	0.000		Intersection	
1.986	0.000	Culvert		
2.134	0.000		Intersection	
2.142	0.000	Intersection		
2.209	0.000		Intersection	
3.019	0.000		Culvert	
3.287	0.000		Culvert	
3.619	0.000	Intersection		ROUTE 950
3.684	0.000	Intersection		ROUTE 950
3.760	0.000		Culvert	
4.239	0.000		Culvert	
4.371	0.000		Culvert	
4.429	0.000	Pullout		
4.453	4.475	Guardrail		
4.485	4.504	Curb		
4.520	4.589	Curb		
4.553	0.000	Pullout		
5.286	0.000		Culvert	
5.713	0.000	Intersection		ROUTE 951
5.728	0.000	Intersection		ROUTE 952
6.237	6.328	Curb		
6.281	0.000	Pullout		ROUTE 953
7.330	0.000		Culvert	
7.390	0.000		Culvert	
8.463	0.000	Intersection		ROUTE 264
8.513	0.000		Culvert	
8.752	0.000		Culvert	
9.281	0.000		Intersection	ROUTE 166
10.240	0.000		Culvert	
10.638	0.000		Culvert	
11.216	0.000		Culvert	
11.282	0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 011

DESERT VIEW DRIVE

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
11.310	11.481		Curb	
11.377	11.476		Ditch	
11.538	11.673	Curb		
11.668	11.722		Ditch	
11.733	0.000		Drop Inlet	
11.755	0.000	Intersection		ROUTE 954
11.890	11.975	Ditch		
12.183	12.248		Curb	
12.334	0.000		Culvert	
12.429	12.477	Ditch		
12.494	12.542	Ditch		
12.554	0.000		Culvert	
12.640	12.697	Curb		
13.035	0.000		Intersection	
14.385	0.000	Intersection		ROUTE 265
15.662	0.000		Culvert	
16.152	0.000		Culvert	
16.793	0.000		Culvert	
17.630	0.000	Drop Inlet		
17.635	17.703	Curb		
17.739	0.000		Intersection	
17.922	18.012		Guardrail	
18.398	0.000	Culvert		
18.420	0.000		Intersection	ROUTE 266
18.463	0.000		Intersection	ROUTE 266
18.508	18.618		Curb	
18.946	0.000		Culvert	
19.075	0.000		Culvert	
19.191	0.000	Intersection		ROUTE 955
19.239	0.000		Culvert	
19.251	0.000	Intersection		ROUTE 955
19.471	0.000	Intersection		ROUTE 267
19.557	19.620	Curb		
19.628	19.651	Ditch		
19.780	19.836		Curb	
19.953	20.037		Ditch	
20.084	0.000		Culvert	
20.260	20.327	Curb		
20.486	20.552	Guardrail		
20.543	20.606		Curb	
20.620	0.000	Intersection		ROUTE 956
20.722	20.798	Ditch		
20.820	20.843	Curb		
20.900	20.953	Guardrail		
21.158	21.180		Curb	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 011

DESERT VIEW DRIVE

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
21.206	21.293		Ditch	
21.265	0.000	Culvert		
21.315	0.000	Pullout		
21.429	0.000	Intersection		ROUTE 957
21.540	0.000	Intersection		ROUTE 957
21.589	0.000	Intersection		ROUTE 270
21.604	0.000	Intersection		ROUTE 258
21.637	0.000	Intersection		ROUTE 258
21.706	0.000		Culvert	
21.716	0.000	Intersection		ROUTE 461
21.779	0.000		Intersection	
21.818	0.000		Intersection	
22.251	0.000		Culvert	
22.749	0.000		Intersection	
24.199	24.286	Curb		
24.267	24.333		Ditch	
24.381	24.440	Curb		
24.398	24.441		Ditch	
24.619	0.000		Culvert	
24.860	0.000	Pullout		
25.000	0.000		Boundary	East Park Boundary



ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 012

SOUTH ENTRANCE ROAD

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.000		Boundary	South Park Boundary
0.022	0.000	Culvert		ROUTE 013
0.340	0.000		Intersection	ROUTE 900
0.408	0.000		Intersection	ROUTE 901
0.582	0.600		Curb	
1.430	0.000		Culvert	
1.617	0.000		Culvert	
1.676	0.000		Intersection	
1.913	0.000	Intersection		
2.019	0.000		Culvert	
3.340	0.000		Intersection	
3.345	0.000	Intersection		ROUTE 015
3.542	0.000		Culvert	
4.663	0.000		Intersection	ROUTE 011
4.902	0.000		Intersection	ROUTE 011
4.993	0.000		Culvert	
5.046	0.000		Intersection	
5.048	0.000	Intersection		
5.288	0.000		Intersection	ROUTE 902
5.429	0.000		Intersection	ROUTE 902
5.950	0.000		Intersection	ROUTE 203
6.417	0.000		Culvert	
6.441	0.000	Intersection		
6.482	0.000	Intersection		
6.503	6.516	Curb		
6.526	0.000	Intersection		ROUTE 279
6.529	0.000		Intersection	ROUTE 903
6.534	6.545	Curb		
6.610	0.000		Culvert	
6.660	0.000	Intersection		
6.685	0.000		Intersection	ROUTE 903
6.697	6.750		Curb	
6.757	6.787		Curb	
6.761	0.000		Intersection	
6.883	0.000		Culvert	
7.017	0.000		Culvert	
7.128	0.000		Culvert	
7.266	0.000		Culvert	
7.346	0.000	Pullout		
7.375	0.000	Intersection		
7.382	7.392	Curb		
7.403	0.000	Pullout		

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 013

CAPE ROYAL ROAD

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.347	0.000		Culvert	
0.980	0.000		Culvert	
1.127	0.000		Culvert	
1.505	0.000		Pullout	
1.562	1.577		Ditch	
2.403	0.000		Culvert	
2.815	0.000		Culvert	
2.828	0.000		Culvert	
2.931	0.000		Culvert	
3.079	0.000		Culvert	
3.341	0.000		Culvert	
3.577	3.596		Ditch	
3.669	3.699		Ditch	
3.775	0.000		Intersection	ROUTE 966
3.812	0.000		Intersection	ROUTE 966
3.928	3.939		Ditch	
3.961	0.000		Culvert	
3.994	4.010		Ditch	
4.429	0.000		Culvert	
5.166	0.000		Pullout	
5.320	0.000		Intersection	ROUTE 010
5.415	0.000		Culvert	
5.574	5.680		Curb	
8.020	0.000		Pullout	
9.144	0.000		Culvert	
9.690	9.726		Ditch	
9.779	9.842		Ditch	
9.930	0.000		Intersection	ROUTE 968
10.619	0.000		Culvert	
10.830	0.000		Intersection	
10.875	10.908		Ditch	
11.620	0.000		Intersection	ROUTE 969
11.637	0.000		Culvert	
11.808	11.872		Ditch	
11.932	11.975		Ditch	
12.382	0.000		Culvert	
12.872	0.000		Culvert	
13.895	0.000		Pullout	
15.249	0.000		Culvert	
15.413	0.000		Culvert	
15.434	0.000		Culvert	
15.763	0.000		Culvert	
16.617	0.000		Culvert	
16.672	0.000		Culvert	
16.859	0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 013

CAPE ROYAL ROAD

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
16.927	0.000		Culvert	
17.059	0.000		Culvert	
17.173	0.000		Culvert	
17.237	0.000		Culvert	
17.388	0.000		Culvert	
17.543	0.000		Culvert	
17.882	0.000		Culvert	
17.991	0.000		Culvert	
18.056	18.075		Ditch	
18.279	0.000		Intersection	
18.553	18.603		Ditch	



ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 014

NORTH ENTRANCE ROAD

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.000		Boundary	North Park Boundary
0.183	0.000	Intersection		ROUTE 960
0.191	0.000		Cattle Guard	
0.227	0.000	Intersection		ROUTE 960
0.352	0.000		Culvert	
0.741	0.000		Culvert	
0.919	0.000		Culvert	
0.969	0.000		Pullout	
1.038	0.000	Pullout		
1.223	0.000		Culvert	
1.518	0.000		Culvert	
1.709	0.000		Culvert	
1.829	1.956	Ditch		
1.842	0.000		Culvert	
1.941	0.000		Culvert	
1.985	2.143	Ditch		
2.182	0.000		Culvert	
2.397	0.000		Culvert	
2.490	0.000		Culvert	
2.882	2.987	Ditch		
2.913	3.005		Curb	
2.962	0.000		Culvert	
2.995	0.000		Drop Inlet	
3.178	3.241		Curb	
3.187	0.000		Drop Inlet	
3.254	3.348	Ditch		
3.342	3.415		Guardrail	
3.358	3.419		Curb	
3.379	3.455	Ditch		
3.484	0.000	Culvert		
3.634	0.000	Culvert		
4.018	0.000	Intersection		ROUTE 961
4.066	0.000	Intersection		ROUTE 407
4.116	0.000	Intersection		
4.168	4.292	Ditch		
4.209	0.000		Intersection	ROUTE 401
4.295	4.308		Ditch	
4.301	4.323	Curb		
4.462	0.000		Culvert	
5.022	0.000		Culvert	
5.093	0.000		Culvert	
5.409	0.000		Culvert	
5.756	0.000		Culvert	
5.972	0.000		Culvert	
6.029	0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 014

NORTH ENTRANCE ROAD

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
6.460	0.000		Culvert	
6.510	0.000		Culvert	
6.586	0.000		Culvert	
6.708	0.000	Pullout		
6.714	0.000		Culvert	
6.882	0.000		Culvert	
7.508	0.000		Culvert	
7.577	0.000		Drop Inlet	
7.588	7.641		Curb	
8.151	0.000		Culvert	
8.318	0.000		Culvert	
8.447	0.000		Culvert	
8.542	0.000		Culvert	
8.921	0.000		Culvert	
9.011	0.000		Culvert	
9.202	0.000		Culvert	
9.426	0.000		Culvert	
9.804	0.000	Intersection		ROUTE 013
9.977	0.000	Culvert		
9.983	10.051	Ditch		
10.057	0.000		Intersection	R 962
10.074	0.000	Culvert		
10.146	0.000	Culvert		
10.275	10.368		Guardrail	
10.429	0.000	Culvert		
10.600	0.000	Culvert		
10.659	0.000	Culvert		
10.668	10.881		Curb	
10.682	0.000	Intersection		ROUTE 963
11.484	0.000		Intersection	R 403
11.658	0.000		Intersection	R 201
11.916	0.000		Intersection	R 404
12.134	0.000		Culvert	
12.233	12.367		Curb	
12.424	0.000		Intersection	
12.619	0.000	Intersection		ROUTE 964
12.699	0.000	Intersection		ROUTE 965

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 015

HERMIT REST ROAD

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.081	Curb		
0.036	0.054		Curb	
0.064	0.000	Intersection		Bus Turn-Around
0.149	0.000	Intersection		ROUTE 160
0.358	0.000		Culvert	
0.617	0.000		Culvert	
0.711	0.000		Culvert	
1.105	0.000		Pullout	
1.424	0.000		Intersection	ROUTE 911
1.465	0.000		Intersection	ROUTE 912
1.482	1.491		Guardwall	
1.684	0.000		Intersection	ROUTE 913
1.765	0.000		Intersection	ROUTE 913
1.927	0.000		Culvert	
2.048	0.000		Intersection	
2.188	0.000		Intersection	ROUTE 914
2.217	0.000	Intersection		
2.286	0.000		Intersection	ROUTE 914
2.340	0.000		Intersection	ROUTE 915
2.365	0.000		Intersection	ROUTE 915
2.385	2.395		Guardwall	
2.406	0.000		Intersection	ROUTE 916
2.415	0.000		Intersection	ROUTE 916
2.421	2.428		Guardwall	
2.522	0.000	Culvert		
2.549	2.557		Guardwall	
2.564	0.000		Pullout	
2.833	0.000		Pullout	
2.850	2.870		Guardwall	
3.061	0.000		Intersection	ROUTE 917
3.198	0.000		Intersection	ROUTE 917
3.271	3.278		Guardwall	
3.288	0.000		Pullout	
3.607	3.644		Guardwall	
3.621	0.000		Pullout	
3.809	0.000		Culvert	
3.862	3.897		Guardwall	
3.878	0.000		Pullout	
4.080	4.129		Guardwall	
4.105	0.000		Pullout	ROUTE 918
4.129	0.000	Intersection		
4.476	4.512		Guardwall	
4.492	0.000		Pullout	
4.740	4.787		Guardwall	
4.760	0.000		Pullout	



ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 015

HERMIT REST ROAD

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
4.854	0.000	Intersection		
4.980	5.030		Guardwall	
5.003	0.000		Pullout	
6.143	0.000		Culvert	
6.154	6.200		Guardwall	
6.174	0.000		Pullout	
6.214	0.000		Intersection	ROUTE 919
6.246	0.000		Intersection	ROUTE 919
6.991	6.995		Guardwall	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 016

CENTER ROAD

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.174	0.000	Intersection		ROUTE 428
0.199	0.000		Culvert	
0.398	0.000		Culvert	
0.426	0.000		Intersection	ROUTE 429
0.596	0.000		Culvert	
0.600	0.000		Intersection	ROUTE 288
0.711	0.000		Culvert	
0.944	0.000		Culvert	
1.051	0.000	Intersection		ROUTE 430
1.076	0.000		Intersection	ROUTE 437
1.084	0.000	Intersection		ROUTE 601
1.135	0.000	Intersection		ROUTE 935
1.161	0.000		Culvert	
1.237	0.000		Culvert	
1.315	0.000		Culvert	
1.390	0.000		Culvert	
1.418	0.000	Intersection		ROUTE 409
1.424	1.431	Curb		
1.439	0.000	Intersection		
1.457	0.000	Intersection		
1.519	0.000		Intersection	ROUTE 403
1.522	0.000	Intersection		ROUTE 413
1.527	1.576	Curb		
1.534	1.580		Curb	
1.548	0.000		Pullout	
1.554	0.000	Pullout		
1.582	0.000	Intersection		ROUTE 924
1.584	1.588	Curb		
1.594	0.000	Intersection		ROUTE 924

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 160

ROWE WELL ROAD

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.029	0.000	Culvert		
0.030	0.000		Culvert	
0.069	0.000	Intersection		
0.096	0.000		Culvert	
0.221	0.000	Intersection		ROUTE 287
0.230	0.000	Culvert		
0.231	0.000		Culvert	
0.386	0.000		Culvert	
0.463	0.000	Culvert		
0.463	0.000		Culvert	
0.485	0.000	Intersection		ROUTE 287
0.556	0.000	Culvert		



ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 163

HAVASUPAI ROAD

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.156	0.000		Intersection	ROUTE 444
0.188	0.000	Culvert		
0.217	0.000	Culvert		
0.414	0.000	Intersection		ROUTE 438
0.446	0.000	Intersection		ROUTE 439

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 201

NORTH RIM CAMPGROUND ROAD

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.044	0.000		Intersection	ROUTE 971
0.070	0.000		Intersection	ROUTE 971
0.147	0.000		Pullout	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 203

YAVAPAI POINT ROAD

MILE POST BEGIN END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.009 0.100		Curb	



ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 262

YAKI POINT ROAD

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
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0.320	0.000	Intersection		ROUTE 263
0.552	0.000		Culvert	
0.830	0.000		Culvert	
0.959	0.000	Culvert		

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 263

KAIBAB TRAIL ACCESS ROAD

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.062	0.000		Culvert	
0.183	0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 264

GRANDVIEW POINT ROAD

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.017	0.000		Culvert	
0.135	0.000		Culvert	
0.442	0.000		Culvert	



**ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 287**

**ROUTE 160 ACCESS ROAD**

<b>MILE POST BEGIN</b>	<b>MILE POST END</b>	<b>FEATURE DESCRIPTION LEFT</b>	<b>FEATURE DESCRIPTION RIGHT</b>	<b>REMARKS</b>
0.031	0.000		Culvert	
0.040	0.000	Railroad		
0.045	0.000		Railroad	
0.171	0.000	Culvert		
0.219	0.000		Intersection	ROUTE 938
0.249	0.000		Intersection	ROUTE 938
0.258	0.000	Culvert		
0.264	0.000	Intersection		ROUTE 908

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 288

CLINIC ACCESS ROAD

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.116	0.000		Intersection	ROUTE 440
0.196	0.000		Intersection	ROUTE 163

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 403

TONTO STREET

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.005	0.000		Culvert	
0.066	0.000		Intersection	ROUTE 431
0.075	0.000		Culvert	
0.080	0.000		Intersection	ROUTE 933



ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 408

COCONINO ROAD

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.016	Curb		
0.008	0.026		Curb	
0.025	0.000	Culvert		
0.030	0.000	Drop Inlet		
0.031	0.000		Intersection	
0.035	0.000	Intersection		
0.075	0.000	Intersection		ROUTE 409
0.079	0.000	Overhead Sign		
0.092	0.000		Intersection	ROUTE 410
0.134	0.000		Intersection	ROUTE 412
0.160	0.000		Intersection	
0.244	0.000		Culvert	
0.260	0.000	Intersection		ROUTE 601
0.260	0.000		Intersection	ROUTE 601

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 409

BOULDER STREET

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.107	0.000		Intersection	
0.137	0.000		Intersection	ROUTE 601
0.151	0.000		Intersection	ROUTE 926
0.151	0.000	Intersection		ROUTE 927
0.209	0.000		Pullout	
0.246	0.000	Intersection		ROUTE 411

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 413

APACHE STREET

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
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0.011 0.200

Curb

0.045 0.000

Pullout

0.062 0.000

Intersection

ROUTE 415

0.184 0.000

Pullout



**ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 417**

**HUALAPAI ROAD**

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.069	0.000		Intersection	ROUTE 418
0.114	0.000		Intersection	ROUTE 420
0.114	0.000	Intersection		ROUTE 421
0.170	0.000		Intersection	ROUTE 420
0.170	0.000	Intersection		ROUTE 419

**ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 422**

**GRAND CANYON VILLAGE NEW HOUSING ROAD**

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.030	0.000		Intersection	ROUTE 423
0.076	0.000		Intersection	ROUTE 423
0.145	0.000		Intersection	ROUTE 424
0.145	0.000	Intersection		ROUTE 425

**ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 426**

**MASWICK TRANSPORTATION CENTER ROAD**

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.016	0.098		Curb	
0.105	0.000		Intersection	ROUTE 922
0.116	0.156		Curb	



ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 428

SHUTTLE BUS ROAD

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.208	0.000		Culvert	
0.303	0.000	Intersection		ROUTE 931
0.320	0.000	Intersection		ROUTE 932

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 431

JUNIPER HILL

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.047	0.000		Intersection	
0.049	0.000		Intersection	ROUTE 934
0.075	0.000		Intersection	ROUTE 934
0.113	0.000		Intersection	ROUTE 934

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 432

NAVAJO STREET

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.009	0.014		Curb	
0.019	0.000		Culvert	
0.020	0.000	Intersection		ROUTE 925
0.030	0.000	Intersection		ROUTE 445
0.100	0.000		Intersection	ROUTE 403
0.120	0.000	Intersection		ROUTE 444



ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 435

SUNSET DRIVE

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.004	0.000	Intersection		
0.088	0.000		Intersection	
0.166	0.000	Intersection		ROUTE 431
0.194	0.000	Intersection		ROUTE 434
0.230	0.000	Intersection		ROUTE 434
0.268	0.000	Intersection		ROUTE 163
0.271	0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 437

PARK CIRCLE

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.042	0.000		Intersection	ROUTE 437
0.060	0.000	Intersection		ROUTE 435
0.500	0.000	Intersection		ROUTE 444

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 438

BARRY HANCE CIRCLE

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
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0.042	0.000		Intersection	ROUTE 438
0.092	0.000	Culvert		
0.260	0.280	Curb		
0.272	0.000	Pullout		
0.439	0.000	Culvert		



ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 440

RANDY THOMPSON CIRCLE

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.008	0.000		Culvert	
0.040	0.000	Intersection		ROUTE 440
0.107	0.000	Intersection		ROUTE 441
0.318	0.332		Curb	
0.324	0.000		Pullout	
0.343	0.361		Curb	
0.349	0.000		Pullout	
0.374	0.000	Intersection		ROUTE 441
0.382	0.399		Curb	
0.389	0.000		Pullout	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 444

KAIBAB STREET

MILE POST		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
BEGIN	END			
0.002	0.000		Culvert	
0.003	0.000		Drop Inlet	
0.099	0.105	Curb		
0.112	0.000	Intersection		ROUTE 433
0.178	0.000	Intersection		ROUTE 433
0.233	0.000		Culvert	
0.479	0.000		Intersection	ROUTE 163
0.483	0.000	Intersection		ROUTE 163

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 461

EAST ENTRANCE RESIDENCE ROAD

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.084	0.000		Intersection	ROUTE 959
0.098	0.000		Intersection	ROUTE 959



ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 500

VILLAGE LOOP DRIVE

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.016	0.000		Intersection	ROUTE 904
0.031	0.173		Curb	
0.080	0.000	Intersection		ROUTE 921
0.111	0.000		Pullout	
0.179	0.000		Intersection	ROUTE 905
0.185	0.269		Curb	
0.225	0.000		Pullout	
0.255	0.000		Pullout	
0.276	0.000		Intersection	ROUTE 906
0.288	0.306		Curb	
0.310	0.000		Intersection	ROUTE 907
0.317	0.390		Curb	
0.394	0.000		Intersection	ROUTE 436
0.406	0.506		Curb	
0.492	0.000		Pullout	
0.510	0.000		Intersection	ROUTE 015
0.515	0.678		Curb	
0.537	0.000		Railroad	
0.560	0.000	Intersection		ROUTE 501
0.567	0.000		Railroad	
0.614	0.000		Pullout	
0.640	0.000	Intersection		ROUTE 908
0.684	0.000		Intersection	ROUTE 908
0.692	0.718		Curb	
0.728	0.000		Pullout	
0.740	0.744		Curb	
0.749	0.000	Intersection		ROUTE 908
0.749	0.000		Intersection	ROUTE 908
0.755	0.768		Curb	
0.773	0.000		Railroad	
0.776	0.868		Curb	
0.791	0.000		Drop Inlet	
0.870	0.000	Intersection		ROUTE 909
0.876	0.000		Intersection	ROUTE 426
0.885	0.906		Curb	
0.910	0.000		Intersection	ROUTE 415
0.917	1.010		Curb	
0.924	0.000		Drop Inlet	
1.015	0.000		Intersection	ROUTE 910
1.020	0.000	Intersection		ROUTE 909
1.021	1.100		Curb	
1.054	0.000		Pullout	
1.060	0.000	Intersection		ROUTE 501
1.088	0.000		Drop Inlet	
1.106	0.000		Intersection	

**ROUTE MAINTENANCE FEATURES ROAD LOG**

**ROUTE 500**

**VILLAGE LOOP DRIVE**

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
1.112	1.155		Curb	
1.128	0.000		Drop Inlet	
1.151	0.000		Intersection	
1.175	1.260		Curb	
1.262	0.000		Drop Inlet	
1.265	0.000		Intersection	ROUTE 432
1.268	1.290		Curb	
1.279	1.280		Curb	
1.292	0.000		Intersection	ROUTE 012

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 601

ALBRIGHT AVENUE

MILE POST BEGIN	MILE POST END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.067	0.000		Culvert	
0.105	0.000	Intersection		ROUTE 408
0.105	0.000		Intersection	ROUTE 408
0.141	0.000		Intersection	ROUTE 416
0.161	0.000	Culvert		
0.289	0.000		Intersection	ROUTE 422
0.300	0.000	Intersection		ROUTE 202
0.386	0.000		Intersection	
0.393	0.000	Intersection		ROUTE 929
0.402	0.000	Culvert		
0.490	0.000		Intersection	ROUTE 930
0.531	0.000	Intersection		
0.561	0.000		Intersection	ROUTE 930
0.585	0.000	Intersection		ROUTE 204
0.603	0.000	Culvert		



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 010  
DATE: 11/99



Photo #53 - MP 2.59 Begin One-Way Loop.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 011  
DATE: 11/99



Photo #3708 - MP 0.00 - Begin at Route 012.



Photo #3709 - MP 8.44 - Heavy Bleeding, looking backwards.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 011

DATE: 11/99



Photo #3710 - MP 13.40 - Typical Pavement Section.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 012  
DATE: 11/99



Photo #3679 - MP 0.00 - Begin route at South Park Boundary.



Photo #3680 - MP 0.44 - Begin widening for South Entrance Station.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 012  
DATE: 11/99

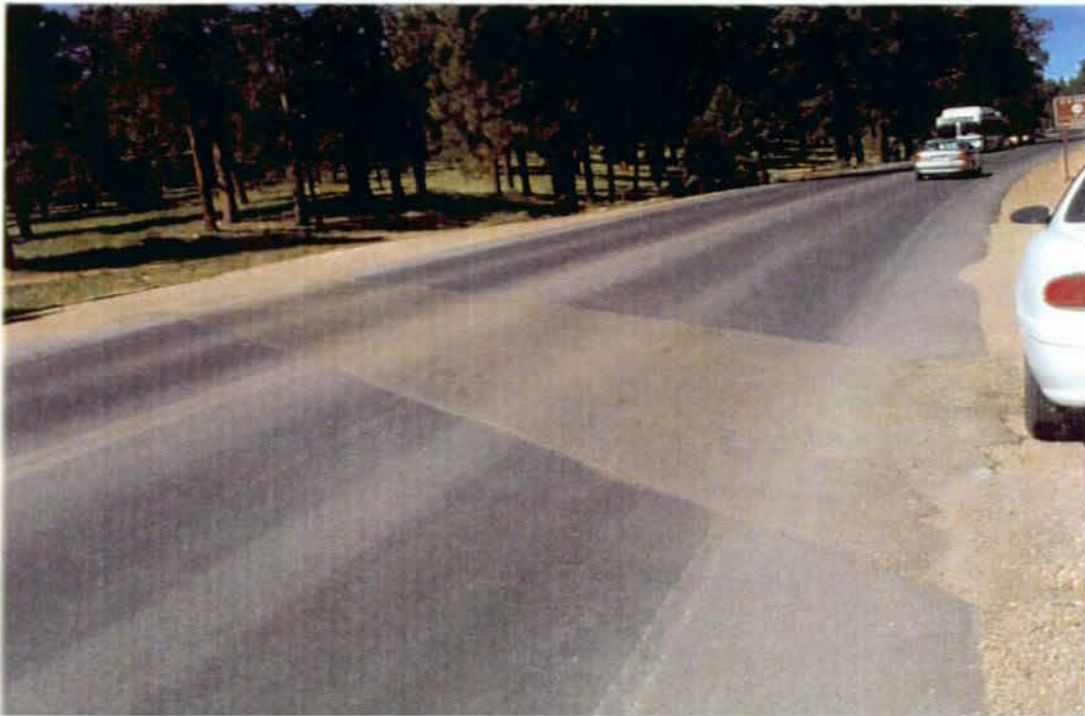


Photo #3681 - MP 6.82 - New culvert installation, Typical Pavement Section.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 013

DATE: 11/99

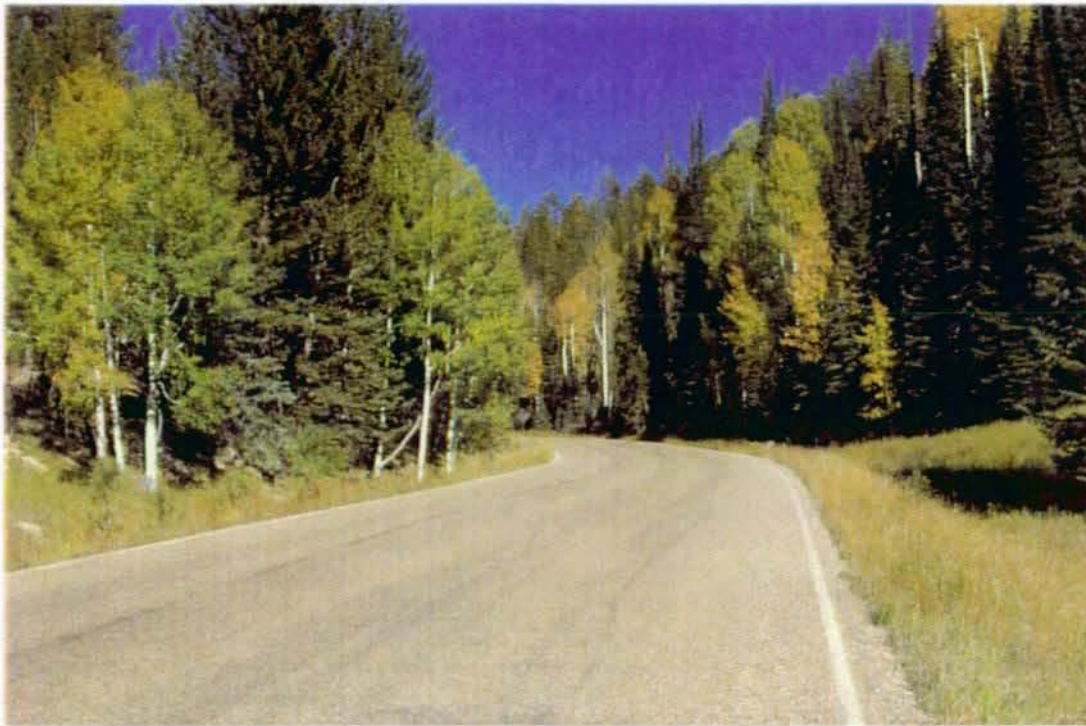


Photo #46 - MP 0.00 - Begin at Route 014.



Photo #47 - MP 6.81 - Typical Pavement Section.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 013

DATE: 11/99

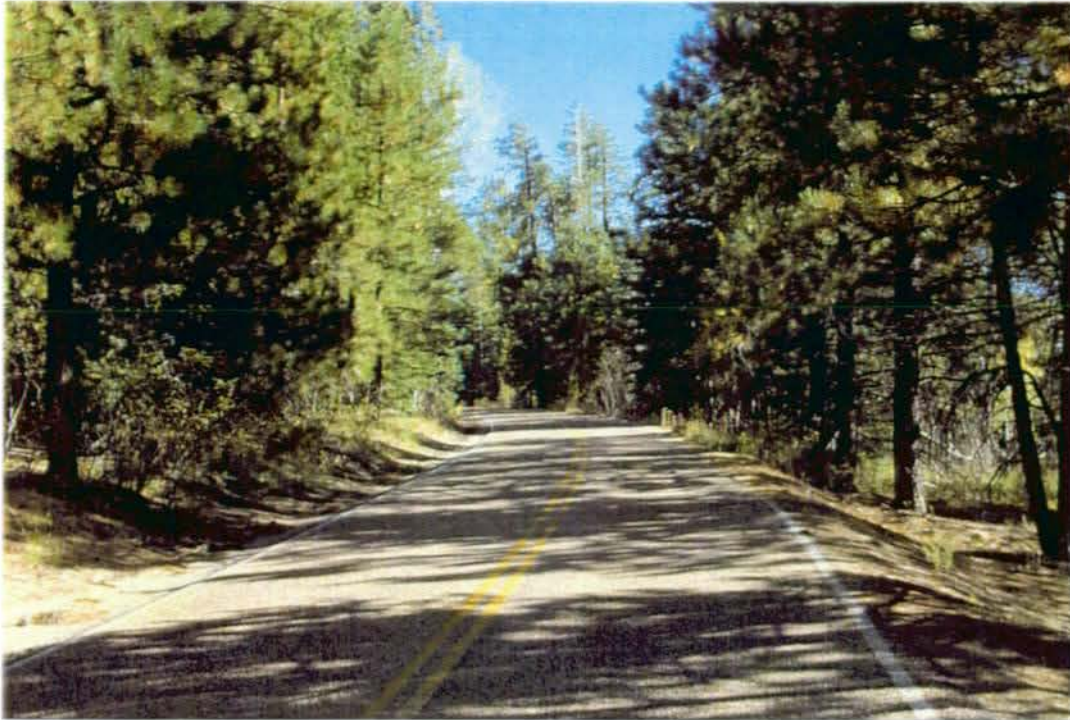


Photo #48 - MP 13.10 - Typical Pavement Section.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 014  
DATE: 11/99



Photo #36 - MP 0.00 - Begin Route at North Park Boundary.



Photo #38 - MP 5.35 - Typical Pavement Section.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 014  
DATE: 11/99

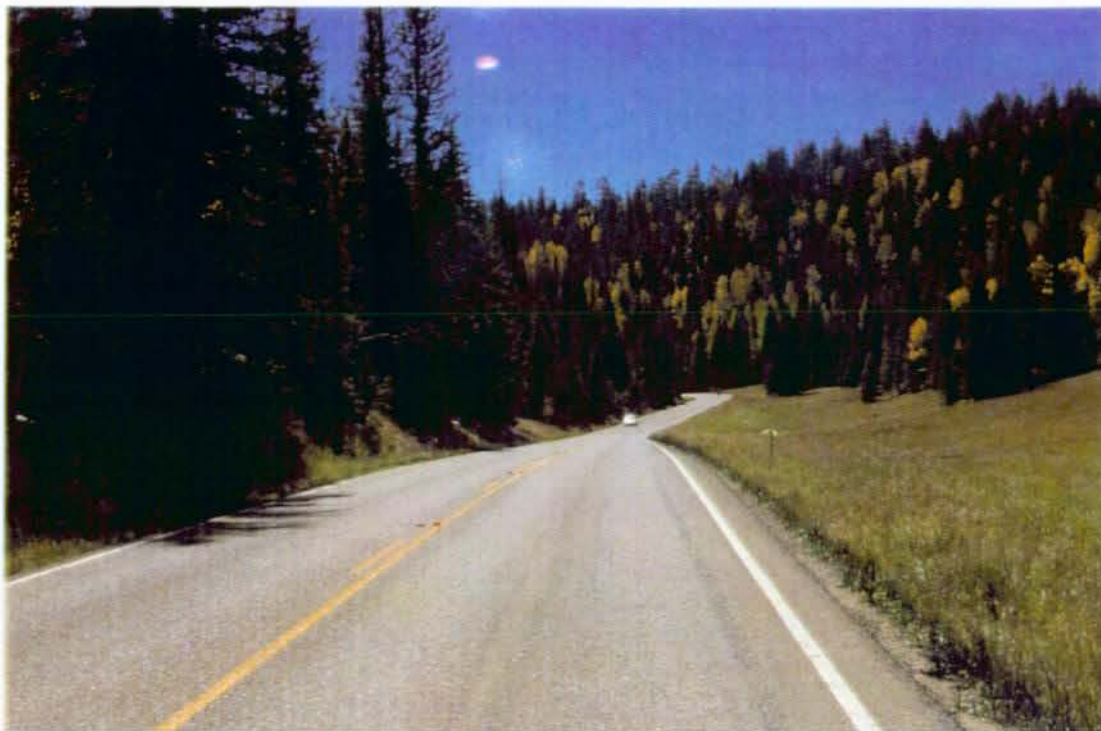


Photo #39 - MP 7.53 - Typical Pavement Section.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 015  
DATE: 11/99

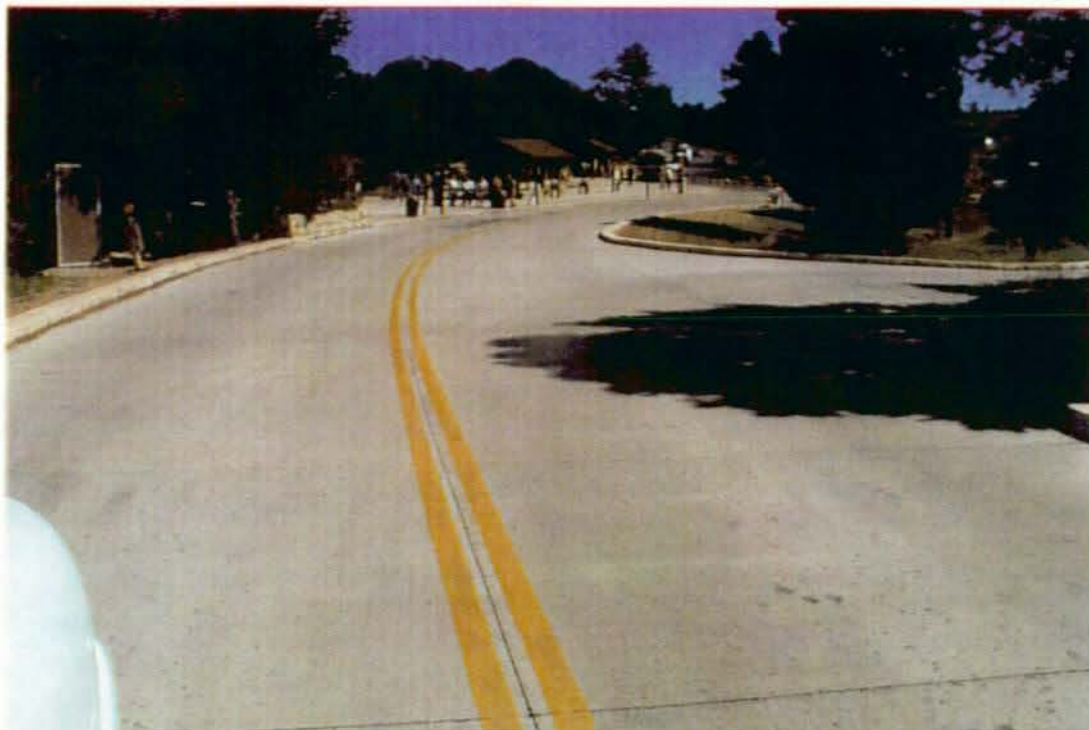


Photo #3682 - MP 0.03 - Bus Stop, Looking Backwards.



Photo #3683 - MP 0.03 - Typical Pavement Section.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 015

DATE: 11/99



Photo #3684 - MP 0.50 - Asphalt in Westbound Lane, Old Chipseal in Eastbound Lane.



Photo #3685 - MP 3.40 - Typical Pavement Section.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 016  
DATE: 11/99

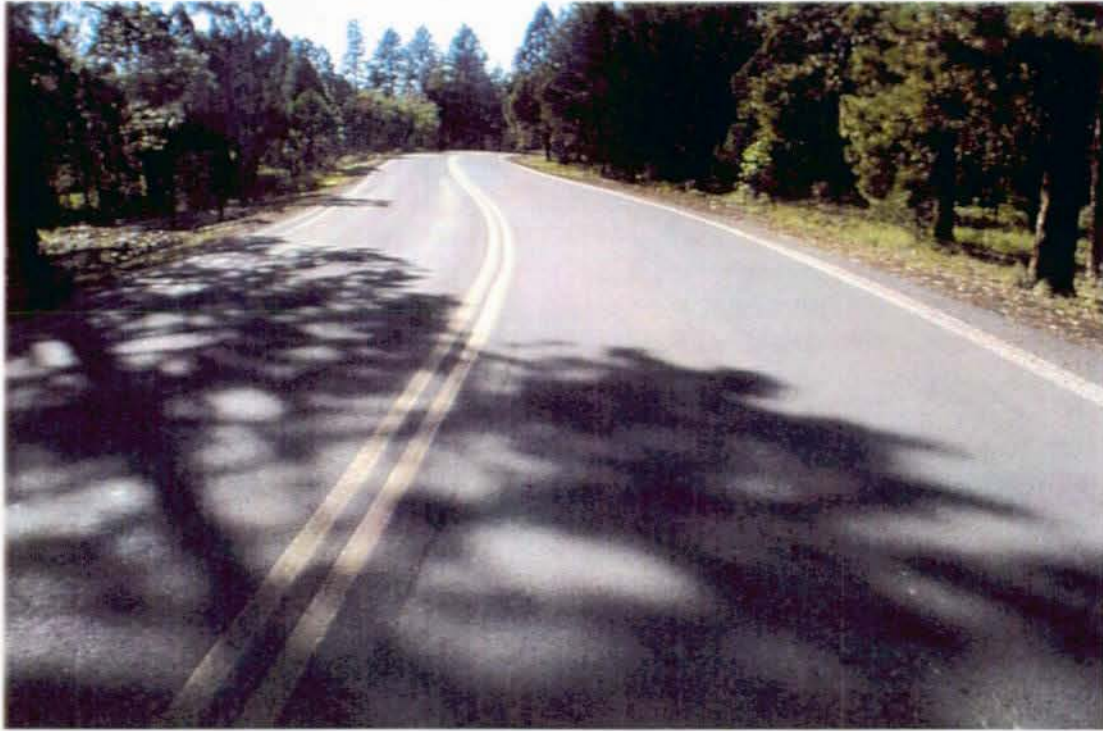


Photo #3690 - MP 0.00 - Begin at Route 012, Typical Pavement Section.



Photo #3691 - MP 1.40 - Intersection Left (935), Typical Pavement Section.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 160  
DATE: 11/99



Photo #3686 - MP 0.00 - Begin at Route 015.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 262  
DATE: 11/99



Photo #3713 - MP 0.00 - Begin at Route 011.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 263

DATE: 11/99



Photo #3717 - MP 0.00 - Begin at Route 262.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 267

DATE: 11/99



Photo #3712 - MP 0.00 - Begin at Route 011.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 287

DATE: 11/99

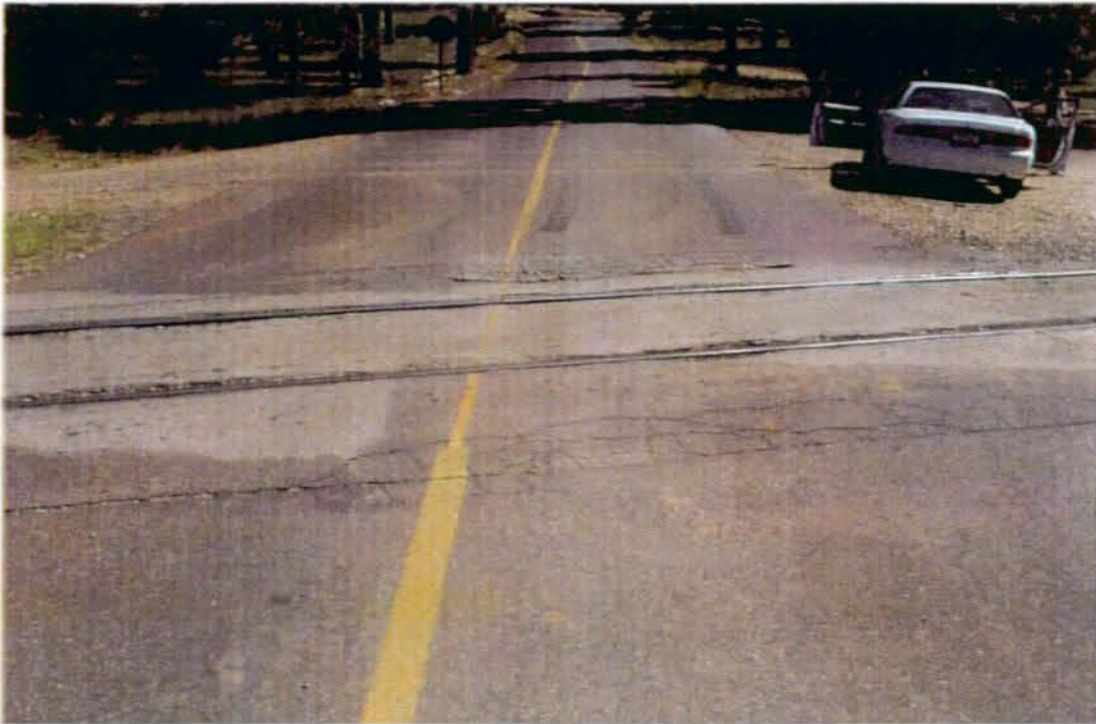


Photo #3689 - MP 0.00 - Begin at Route 160.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 288  
DATE: 11/99



Photo # 3697 - MP 0.00 - Begin at Route 016.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 403  
DATE: 11/99



Photo #3706 - MP 0.00 - Begin at Route 016.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 404

DATE: 11/99



Photo #113 - MP 0.00 - Begin at Route 014.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 405  
DATE: 11/99



Photo #125 - MP 0.00 - Begin at Route 014.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 409

DATE: 11/99



Photo #3703 - MP 0.00 - Begin at Route 408.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 411

DATE: 11/99



Photo #3704 - MP 0.24 - End at Route 409, Looking Backwards.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 413

DATE: 11/99



Photo #3702 - MP 0.00 - Begin at Route 016.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 415

DATE: 11/99



Photo #3705 - MP 0.00 - Begin at Route 413.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 417  
DATE: 11/99



Photo #3715 - MP 0.00 - Begin at Route 416.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 422

DATE: 11/99



Photo #3716 - MP 0.00 - Begin at Route 601.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 426

DATE: 11/99

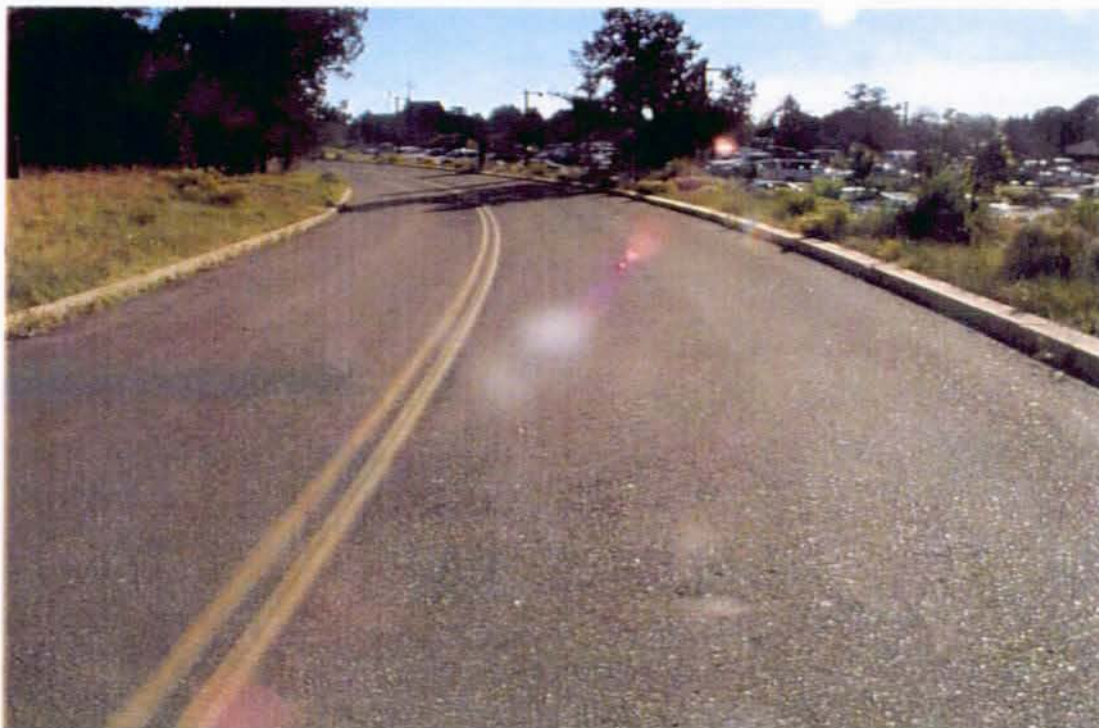


Photo #3693 - MP 0.02 - Typical Pavement Section.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 427

DATE: 11/99



Photo #3688 - MP 0.00 - Begin at Route 160.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 428

DATE: 11/99

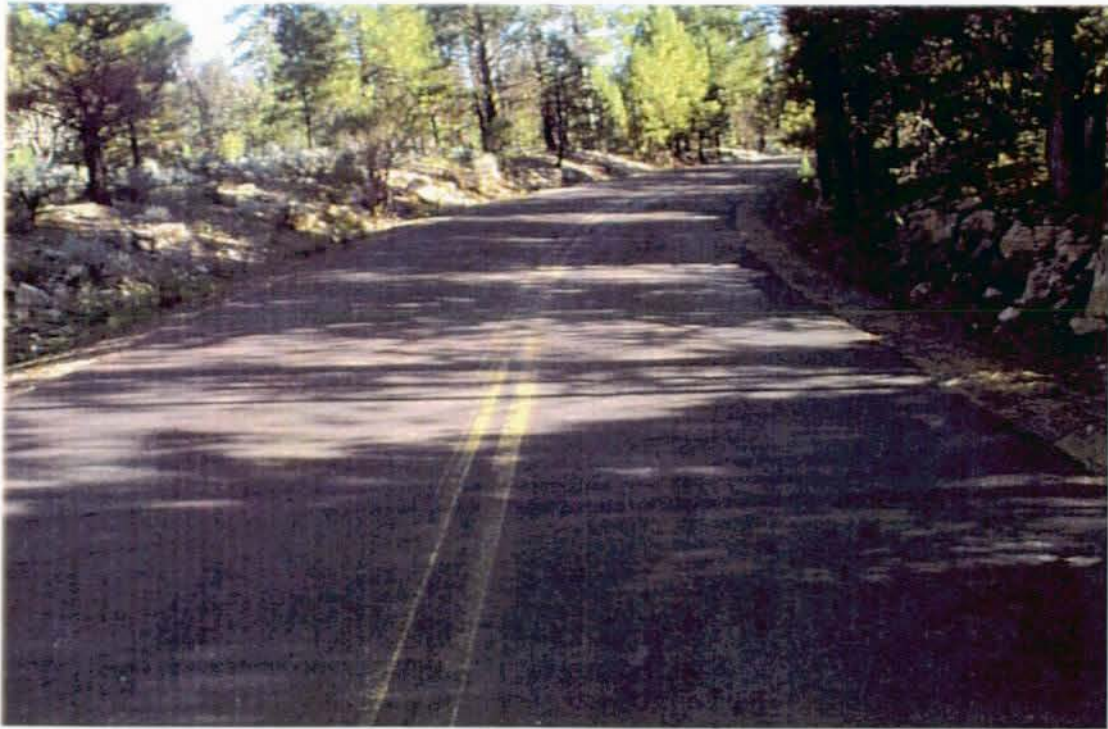


Photo #3696 - MP 0.00 - Begin at Route 016.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 431

DATE: 11/99



Photo #3699 - MP 0.00 - Begin at Route 403.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 432  
DATE: 11/99



Photo #3720 - MP 0.00 - Begin at Route 500.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 435

DATE: 11/99



Photo #3700 - MP 0.00 - Begin at Route 431.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 437  
DATE: 11/99



Photo #3698 - MP 0.00 - Begin at Route 016.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 438  
DATE: 11/99



Photo #3719 - MP 0.00 - Begin at Route 163.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 440  
DATE: 11/99



Photo #3717 - MP 0.00 - Begin at Route 288.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 444

DATE: 11/99



Photo #3721 - MP 0.00 - Begin at Route 432.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210

ROUTE NUMBER: 461

DATE: 11/99



Photo #3711 - MP 0.00 - Begin at Route 011.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 500  
DATE: 11/99

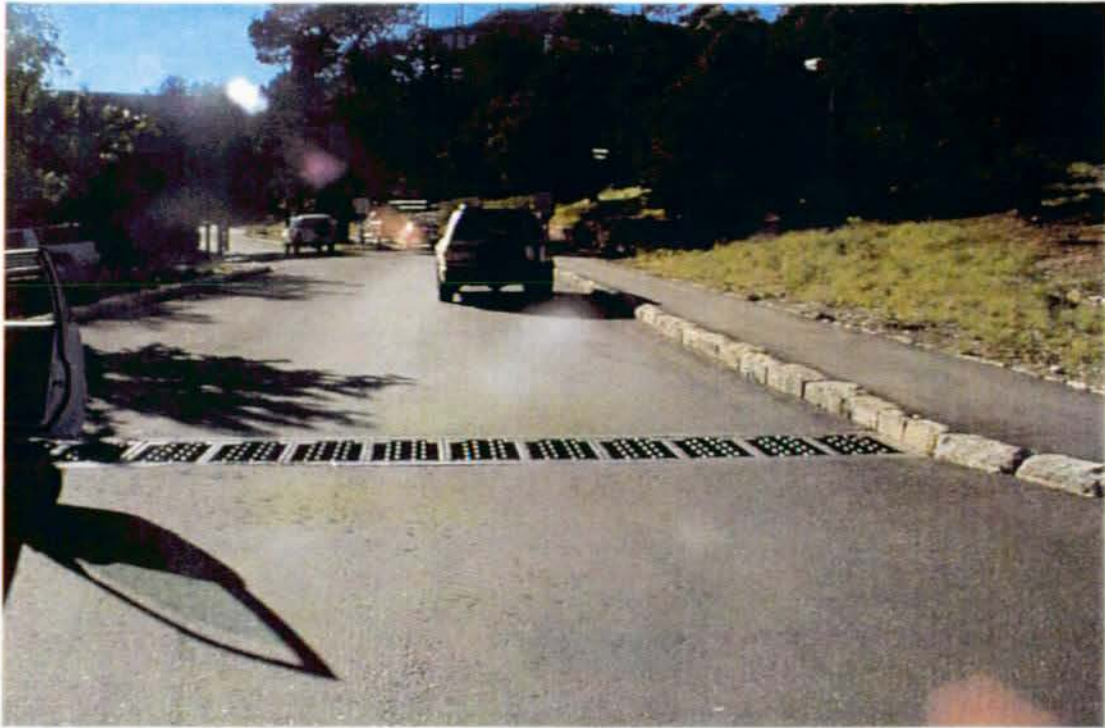


Photo #3692 - MP 0.00 - Begin at Route 413.



# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 501  
DATE: 11/99



Photo #3687 - MP 0.00 - Begin at Route 500.

# PHOTOGRAPHIC SHEET

PARK NUMBER: 8210  
ROUTE NUMBER: 601  
DATE: 11/99



Photo #3695 - MP 0.00 - Begin at Route 409, Typical Pavement Section.

## ***XI. UNPAVED ROUTES***

*Unpaved routes are not addressed in this report at this time. Section "IV. ROUTE INVENTORY" includes a current register of all unpaved routes (name, number, estimated mileage to the nearest 0.01, functional class, number of lanes, and termini description). Any further information will be added post 1997-99 data collection. Data was collected for unpaved routes in numerous parks during the '94-'96 data collection cycle. This data (digital images, GPS traces, features inventory, and condition assessments) may be processed in the future.*



GRAND CANYON NATIONAL PARK - GRCA - 8210 - R.O.W. VIDEO TAPE INDEX

PAVED ROUTE NO.	MILEAGE AT BEGINNING FRAME	FROM	TO	BEGINNING FRAME NO.	ENDING FRAME NO.	VIDEO TAPE NO.*	DATE	DIR: PRIM/OPP
010	0.00	RTE 013	PT IMPERIAL	1038	9222	2	Nov-99	P
011	0.00	RTE 012	E BOUNDARY	157086	219104	2	Nov-99	P
011	24.94	E BOUNDARY	RTE 012	1418	66096	3	Nov-99	O
012	0.00	S BOUNDARY	RTE 500	1830	24094	1	Nov-99	P
012	7.44	RTE 500	S BOUNDARY	81862	103061	2	Nov-99	O
013	0.00	RTE 014	CAPE ROYAL	97326	157534	1	Nov-99	P
014	0.00	N BOUNDARY	RTE 974	2561	37673	1	Nov-99	P
014	12.74	RTE 974	N BOUNDARY	55663	96046	1	Nov-99	O
015	0.00	RTE 500	RTE 920	28562	52876	1	Nov-99	P
015	7.00	RTE 920	RTE 500	61394	86684	1	Nov-99	O
016	0.00	RTE 012	RTE 500	5238	11108	2	Nov-99	P
016	1.60	RTE 500	RTE 012	13160	19320	2	Nov-99	O
160	0.00	RTE 015	END OF PVMT	117551	119390	1	Nov-99	P
160	0.56	END OF PVMT	RTE 015	125158	127000	1	Nov-99	O
163	0.00	RTE 434	RTE 288	209300	211936	1	Nov-99	P
163	0.60	RTE 288	RTE 434	214908	217244	1	Nov-99	O
201	0.00	RTE 014	RTE 014	41416	42361	1	Nov-99	P
203	0.00	RTE 012	END OF LOOP	70020	70469	3	Nov-99	P
262	0.00	RTE 011	END OF LOOP	141566	145129	2	Nov-99	P
262	0.96	END OF LOOP	RTE 011	151920	155694	2	Nov-99	O
263	0.00	RTE 262	END OF LOOP	147723	148504	2	Nov-99	P
264	0.00	RTE 011	END OF LOOP	133100	134887	2	Nov-99	P
264	0.56	END OF LOOP	RTE 011	137902	139780	2	Nov-99	O
266	0.00	RTE 011	END OF LOOP	72899	74258	3	Nov-99	P
267	0.00	RTE 011	END OF LOOP	76087	77660	3	Nov-99	P
267	0.42	END OF LOOP	RTE 011	80307	81751	3	Nov-99	O
270	0.00	RTE 011	END OF ROUTE	83787	83910	3	Nov-99	P
287	0.00	RTE 160	RTE 908	133393	134491	1	Nov-99	P
287	0.28	RTE 908	RTE 160	137679	138720	1	Nov-99	O
288	0.00	RTE 160	RTE 937	30910	31879	2	Nov-99	P
403	0.00	RTE 016	RTE 432	187366	187931	1	Nov-99	P
404	0.00	RTE 014	RTE 975	46669	47129	1	Nov-99	P

GRAND CANYON NATIONAL PARK - GRCA - 8210 - R.O.W. VIDEO TAPE INDEX

PAVED ROUTE NO.	MILEAGE AT BEGINNING FRAME	FROM	TO	BEGINNING FRAME NO.	ENDING FRAME NO.	VIDEO TAPE NO.*	DATE	DIR: PRIM/OPP
405	0.00	RTE 014	END OF LOOP	44029	44559	1	Nov-99	P
408	0.00	RTE 500	RTE 928	110577	111587	1	Nov-99	P
408	0.26	RTE 928	RTE 500	114380	115329	1	Nov-99	O
409	0.00	RTE 408	RTE 016	143467	144556	1	Nov-99	P
409	0.26	RTE 016	RTE 408	147164	148293	1	Nov-99	O
411	0.00	RTE 408	RTE 409	156393	157233	1	Nov-99	P
413	0.00	RTE 016	RTE 408	150605	151420	1	Nov-99	P
417	0.00	RTE 416	END OF ROUTE	169198	169817	1	Nov-99	P
422	0.00	RTE 601	END OF ROUTE	172271	173060	1	Nov-99	P
426	0.00	RTE 500	END OF ROUTE	107452	108063	1	Nov-99	P
428	0.00	RTE 016	RTE 932	23722	25430	2	Nov-99	P
428	0.42	RTE 932	RTE 016	27035	28800	2	Nov-99	O
431	0.00	RTE 403	RTE 435	178289	179586	1	Nov-99	P
432	0.00	RTE 500	RTE 431	175810	176494	1	Nov-99	P
435	0.00	RTE 431	RTE 437	70126	71788	2	Nov-99	P
435	0.32	RTE 437	RTE 431	74138	75754	2	Nov-99	O
437	0.00	RTE 016	RTE 437	196171	198049	1	Nov-99	P
437	0.50	RTE 437	RTE 016	204712	206508	1	Nov-99	O
438	0.00	RTE 163	END OF LOOP	50543	52924	2	Nov-99	P
438	0.44	END OF LOOP	RTE 163	54956	57481	2	Nov-99	O
440	0.00	RTE 288	END OF LOOP	41420	43846	2	Nov-99	P
440	0.54	END OF LOOP	RTE 288	49036	46772	2	Nov-99	O
441	0.00	RTE 440	RTE 440	77788	78575	2	Nov-99	P
444	0.00	RTE 432	RTE 437	59863	62402	2	Nov-99	P
444	0.52	RTE 437	RTE 432	65452	67958	2	Nov-99	O
461	0.00	RTE 011	END OF ROUTE	89677	91313	3	Nov-99	P
500	0.00	RTE 012	RTE 012	87565	96885	1	Nov-99	P
601	0.00	RTE 409	RTE 016	159201	161289	1	Nov-99	P
601	0.60	RTE 016	RTE 409	166099	164171	1	Nov-99	O

GLOSSARY OF TERMS  
AND  
ABBREVIATIONS

<u>TERM OR ABBREVIATION</u>	<u>DESCRIPTION OR DEFINITION</u>
8210	Grand Canyon National Park Numeric Code
AADT	Annually adjusted average daily traffic. Average daily traffic for the term period comprising 80% of annual visitation.
CRS	Condition Rating Sheet. Index rating for pavement distresses, roadway condition and cross section information.
DCR	Drainage Condition Rating
Deficient Lane Miles	Lane Miles rated in POOR Condition.
DIRI	Driver International Roughness Index
Drainage Condition Rating	Drainage condition rating. An alpha rating from P (failed) to E (excellent) based on visual observations.
EXCELLENT	Excellent rating. PCR (or SCR) 95 or greater.
F_C	Functional Class. See Table 1 in appendix.
FAIR	Fair rating. PCR (or SCR) between 61 and 84.
GOOD	Good rating. PCR or (SCR) between 85 and 94
GRCA	Grand Canyon National Park Alpha Code
IRI	International Roughness Index
Lane	The portion of roadway from centerline to fogline or edge of pavement if no fog line exists.
Lane Miles	Mileage of total pavement coverage, based on a standard lane width. Either calculated as straight route mileage times the number of lanes, or as an area converted to 11 foot lane widths.
LRUT	Left Rut



NA	Not applicable.
PAV_MI	Paved portion of route, length in miles.
Pavement Width	The entire portion of roadway from edge of pavement to edge of pavement.
PCR	Pavement condition rating. Numerical rating from 0 to 100 (excellent). Based on the surface condition and roughness of the road.
POOR	Poor rating. PCR (or SCR) 60 or less.
RI	Roughness Index.
RMR	Rocky Mountain Region
RRUT	Right Rut
RT#	Route number.
RTE_DESCRIPTION	Description of the route terminus.
RTE_MI	Total route length in miles.
RTE_NAME	Route name.
SADT	Seasonal Annual Daily Traffic. Average daily traffic for the total "season".
SCR	Surface Condition Rating. Numerical rating from 0 (failed) to 100 (excellent). Based on the extent of alligator cracking, patching, longitudinal cracking, rutting, and transverse cracking.
Shoulder Condition Rating	Alpha rating from P (failed) to E (excellent). Visual and measured observations of the adequacy of a section of shoulder. Also applies to curb and gutter.
Shoulder Width	If fogline exists, the portion of pavement outside lane, from fogline to edge of pavement.
UNPAV_MI	Unpaved portion of route, length in miles.

**GENERAL PARK ROAD FUNCTIONAL CLASSIFICATION - TABLE 1**

<b>Class I</b>	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.  All other FC 1 routes have two digit numbers.
<b>Class II</b>	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.
<b>Class III</b>	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.
<b>Class IV</b>	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 III and IV have the same route numbers because, historically, they were numbered similarly.
<b>Class V</b>	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.
<b>Class VI</b>	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 V and VI 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 VI rather than FC V.
<b>Class VII</b>	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.
<b>Class VIII</b>	City Streets (Urban Parkways and City Streets) - City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service.  The construction and/or reconstruction should conform with accepted local engineering practice and local conditions. Route Numbers 600-699.

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

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

## DESCRIPTION OF RATING SYSTEM

Data is collected on the following distresses and conditions:

- **Alligator Cracking** - a series of interconnecting cracks resembling alligator skin or chicken wire which usually occur in the wheel path.
- **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.
- **Rutting** - surface depressions in the wheel paths.

In addition, **Roughness** has been collected and is used in the PCR formula.

A Rating Index value is calculated for each of these 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** =  $100 - [40 * ( low/15.1 + medium/7.5 + high/1.9 )]$

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

**Rutting Index: Asphalt Surface** =  $[13.33 * (deepest rut)^2] - [86.67 * deepest rut] + 100$

Chipseal (1-5 yrs. old) =  $[9.53 * (deepest rut)^2] - [86.67 * deepest rut] + 108.57$

Chipseal (>5 yrs. old) =  $[3.85 * (deepest rut)^2] - [83.46 * deepest rut] + 116.53$

**Roughness Index: (RI)** =  $29 * [5 * e^{(-0.0041 * average RI)}]$

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

**Surface Condition Rating (SCR)** =  $100 - [40 * ( LOW ALLIGATOR CRACKING/70 + MEDIUM ALLIGATOR CRACKING/30 + HIGH ALLIGATOR CRACKING/10 + PATCHING/80 + LOW TRANSVERSE CRACKING/15.1 + MEDIUM TRANSVERSE CRACKING/7.5 + HIGH TRANSVERSE CRACKING/1.9 + LOW LONGITUDINAL CRACKING/350 + MEDIUM LONGITUDINAL CRACKING/200 + HIGH LONGITUDINAL CRACKING/75 + MAXIMUM RUT VALUE )]$

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

NOTE: Collection of roughness data is dependant on the data collection vehicle traveling at a minimum speed of 22 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.



## **Drainage Condition Rating Definitions**

- Excellent:** No drainability problem. If funding were available for pavement maintenance, no funds would be required for drainage concerns.
- Good:** Minimal overall drainability problems. If funding were available for pavement maintenance, 25% or less is estimated to correct drainage deficiencies.
- Fair:** Moderate problems with drainability that needs correcting before it deteriorates to a poor rating. If funding were available for pavement maintenance in this section, 25% to 50% is estimated to correct deficiencies.
- Poor:** Severe 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 Rating Criteria**

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

### **A. Excellent Drainability**

All water clears the road prism adequately without any chance of base saturation.

- Pavement drains without interruption.
- Curbs are flawless with the exception of minor cracking.
- Down drains are secure and placed properly.
- Drop inlets are at the correct grade and location with no deficiencies.
- Culverts are adequate in numbers, size, and condition.
- Ditches are constructed of asphalt and are sufficient to carry required volumes of water.

### **B. Good Drainability**

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

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

### **C. Fair Drainability**

Some areas have questionable ability for the water to clear the road prism with an uncomfortable concern for base saturation.

- Pavement shows moderate flaws, such as rutting, and other irregularities that would hold minor amounts of water, interrupting the flow of water.
- Shoulder grades restrict the flow of water, however, water exits after some ponding.
- Down drains show evidence that limited water is causing erosion as a result of deterioration, or other similar flaws (e.g. missing asphalt that guides water to down drain).
- Drop inlet encasements are cracked, iron is bent, or are misaligned to cause limited water to escape,
- Culvert headwalls show moderate damage or are inadequate, the exit shows some damage to fill areas, or entry asphalt is moderately damaged.
- Ditches have some permeable material, unmovable obstructions to interrupt flow obviously hard to maintain due to inconsistencies, or have a less than desirable area to carry required volumes of water.

### **D. Poor Drainability**

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

- Pavement grade is irregular and holds dangerous amounts of water (hydroplaning is a concern), or shows massive alligator cracking.
- Shoulder design induces ponding that encroaches on the pavement (drivers try to avoid ponds).
- Portions of curbs are missing, allowing water to escape causing erosion.
- Drop inlets, due to various reasons, are only able to drain 50% or less efficiently.
- Down drains show signs of water exiting in areas by the down drain causing erosion.
- Culverts are functionally deficient including size, installation, location, or grade giving water opportunity to saturate the road base.
- 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**

- Excellent:** Shoulder is new or under construction. It meets or exceeds standards. The curb is new.
- Good:** The shoulder is below standard width for posted speed and grading is required. The curb is functional.
- Fair:** There are variations in the shoulder, irregular width with material replacement required. The curb is in need of repairs or adjustments.
- Poor:** There isn't any shoulder, erosion has removed it. The curb needs replacement.

## **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 this criteria should give a feel for where the flaws would apply in the ratings.

The overall shoulder condition rating for a section is determined by the lowest individual rating for any one of the above categories (width, rutting, cracking, erosion, drop-off, and curbs).

### **A. Excellent Shoulders**

- If shoulder is unpaved there will not be any drop-offs or erosion.
- If shoulder is paved there isn't any rutting, cracking, or erosion.
- Curbs are flawless with the exception of minor cracking and no erosion behind curb.

### **B. Good Shoulders**

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

### **C. Fair Shoulder**

- If shoulder is unpaved drop-offs are from 1" to 4" and replacement of material required.
- If shoulder is paved rut depth is from 1/2" to 1". Open cracks are present but less than 1/4" deep, replacement of material is needed from erosion.
- If curbs are present they need repairs, and there is erosion behind the curb.

### **D. Poor Shoulder**

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



# BUS STOP SHEET

PARK NUMBER: 8210

DATE: 11/99



Photo #180 - Backcountry Office Bus Stop.



Photo #182 - Center Road Bus Stop.

# BUS STOP SHEET

PARK NUMBER: 8210

DATE: 11/99



Photo #201 - Village East Bus Stop.



Photo #202 - Train Depot Bus Stop.



## BUS STOP SHEET

PARK NUMBER: 8210

DATE: 11/99



Photo #203 - Bright Angel Lodge Bus Stop.



Photo #204 - Village West Bus Stop.



# BUS STOP SHEET

PARK NUMBER: 8210

DATE: 11/99



Photo #205 - West Rim Drive Bus Stop.



Photo #207 - South Rim Visitor Center Bus Stop.

# BUS STOP SHEET

PARK NUMBER: 8210

DATE: 11/99



Photo #208 - Trailer Village Bus Stop.



Photo #209 - Mather Campground Bus Stop.



# BUS STOP SHEET

PARK NUMBER: 8210

DATE: 11/99



Photo #211 - Yavapai Lodge Bus Stop.



Photo #213 - Yavapai I Parking Bus Stop.



# BUS STOP SHEET

PARK NUMBER: 8210

DATE: 11/99



Photo #214 - Yavapai II Parking Bus Stop.



Photo #215 - Yavapai Point Bus Stop.