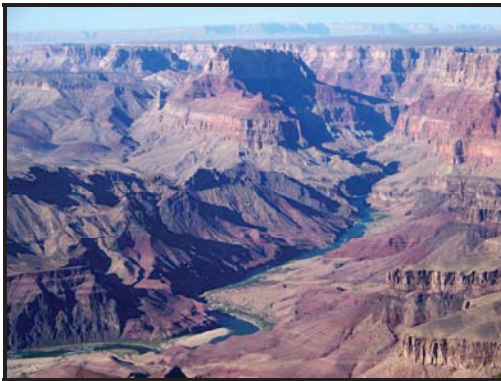




national park service

**The Road Inventory
of
Grand Canyon National Park
GRCA – 8210
Cycle 4**



**Prepared By:
Federal Highway Administration
Road Inventory Program
Cycle 4**



Grand Canyon National Park in Arizona





TABLE OF CONTENTS

	<u>SECTION</u>	<u>PAGE</u>
1.	INTRODUCTION	1 - 1
2.	PARK SUMMARY INFORMATION	
	Paved Route Miles and Percentages by Functional Class and PCR	2 - 1
	ARAN Road Condition Summary	2 - 2
	Parkwide Condition Summary	2 - 19
	Cycle 2 vs Cycle 3 vs Cycle 4 Condition Comparisons	2 - 20
3.	PARK ROUTE LOCATION / CONDITION MAPS	
	Route Location Key Map	3 - 1
	Route Location Area Map	3 - 2
	Route Condition Key Map – PCR Mile by Mile	3 - 12
	Route Condition Area Map – PCR Mile by Mile	3 - 13
4.	PARK ROUTE INVENTORY	
	Route Identification Report	4 - 1
5.	PAVED ROUTE CONDITION RATING SHEETS (CRS)	
	CRS Pages	5 - 1
6.	MANUALLY RATED PAVED ROUTE CONDITION RATING SHEETS (MRR)	
	MRR Pages	6 - 1
7.	PARKING AREA CONDITION RATING SHEETS	
	Paved Parking Area Pages	7 - 1
8.	PARKWIDE / ROUTE MAINTENANCE FEATURES SUMMARIES	
	Parkwide Maintenance Features Summary	8 - 1
	Route Maintenance Features Summary	8 - 2
	Structure List	8 - 16
9.	PARK ROUTE MAINTENANCE FEATURES ROAD LOGS	
	Route Maintenance Features Road Logs	9 - 1
10.	APPENDIX	
	A. Glossary of Terms and Abbreviations	10 - 1
	B. Description of Rating System	10 - 2
	C. General Information on RIP Systems	10 - 8
	D. Metadata	10 - 11

Grand Canyon National Park



Section 1 **Introduction**

INTRODUCTION

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

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

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

In an effort to maintain and update the RIP data, a cyclical data collection and reporting process was reestablished in the 1990's. The FLH completed two cycles of RIP data collection between 1994 and 2001. Cycle 1 was collected in 44 large parks from 1994 to 1996. This data was found to be unusable for comparison to future cycles. Cycle 2 data was collected from March 1997 to January 2001 in 79 large parks and 5 small parks containing 4,874 route miles. Each park received a copy of a Cycle 2 RIP Report, also known as the "Blue Book". Cycle 3 was completed from 2001 through 2004, and included data collection in all parks that contain pavement.

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

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

will provide information for planning and programming road maintenance, rehabilitation, and reconstruction activities. RIP data will provide the basic information for this system.

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

RIP Cycle 4: Cycle 4 data collection was initiated in spring 2006, where 86 large parks, consisting of 5,553 route miles and 6,232 paved parking areas, were selected as a representative sample of the entire NPS paved road network. Cycle 4 is scheduled for completion in spring 2009 and will serve the PMS in further development of its pavement preservation techniques.

In the Cycle 4 Reports, a general condition rating of excellent, good, fair and poor is ascribed to each one-mile section of paved roadway, and to each paved parking area. This condition rating system provides a realistic means of assessing the general funding needs for road improvements. Along with these descriptive condition ratings, a numerical rating between 0 and 100 is ascribed to each mile of road and to each parking area. This numerical rating is called a Pavement Condition Rating (PCR). The PCR rating system is described in Section 10 of this report.

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

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

The FHWA RIP Team

FHWA/EFLHD
21400 Ridgetop Circle
Sterling, VA 20166
(703) 404-6371

FHWA/CFLHD
12300 West Dakota Ave.
Lakewood, CO 80228
(720) 963-3560

Grand Canyon National Park



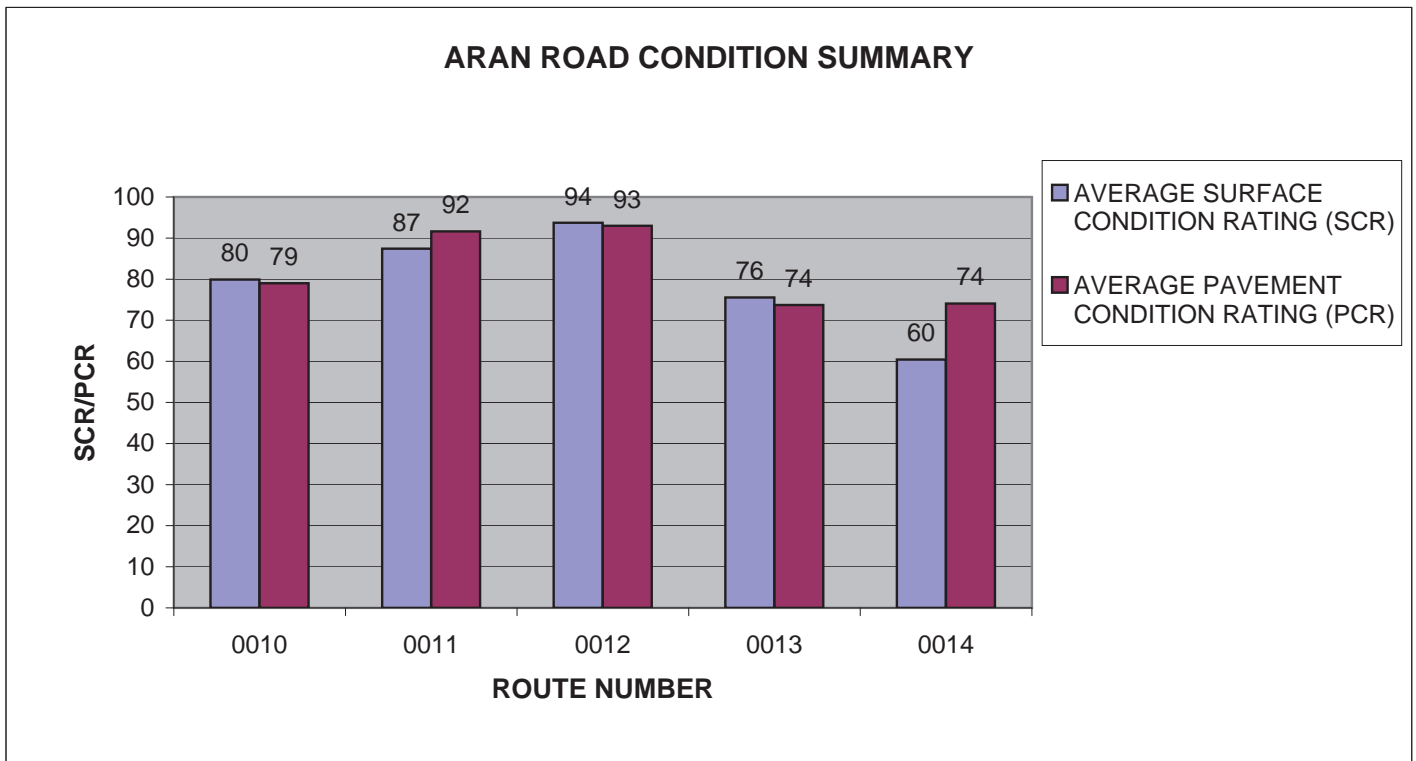
Section 2 **Park Summary Information**

GRCA: PAVED ROUTE MILES AND PERCENTAGES BY FUNCTIONAL CLASS AND PCR

F.C.	Pavement Condition Rating (PCR)								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	6.43	6.02%	28.29	26.50%	17.45	16.35%	26.61	24.93%	78.78
2	1.47	1.38%	1.28	1.20%	0.94	0.88%	1.28	1.20%	4.97
3	8.15	7.63%	1.74	1.63%	0.84	0.79%	0.49	0.46%	11.22
4	0.06	0.06%	0.09	0.08%					0.15
5	6.21	5.82%	2.53	2.37%	1.30	1.22%	1.01	0.95%	11.05
6	0.30	0.28%	0.16	0.15%	0.07	0.07%	0.06	0.06%	0.59
7									
8									
Totals	22.62	21.18%	34.09	31.93%	20.60	19.29%	29.45	27.58%	106.76

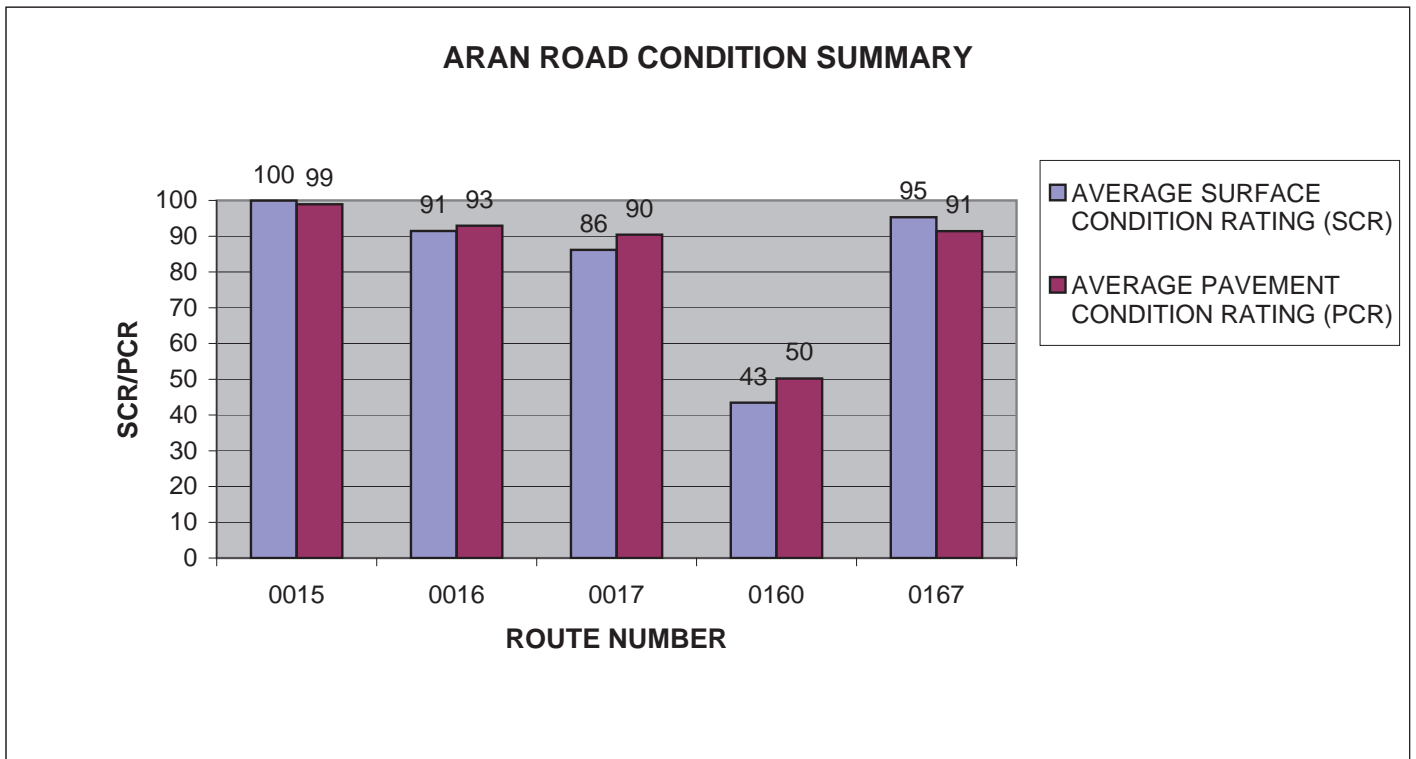
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0010	POINT IMPERIAL ROAD	1	2.65	ASPHALT	80	79
0011	DESERT VIEW DRIVE	1	24.85	ASPHALT	87	92
0012	SOUTH ENTRANCE ROAD	1	7.80	ASPHALT	94	93
0013	CAPE ROYAL ROAD	1	19.83	ASPHALT	76	74
0014	NORTH ENTRANCE ROAD (HWY 67)	1	12.84	ASPHALT	60	74



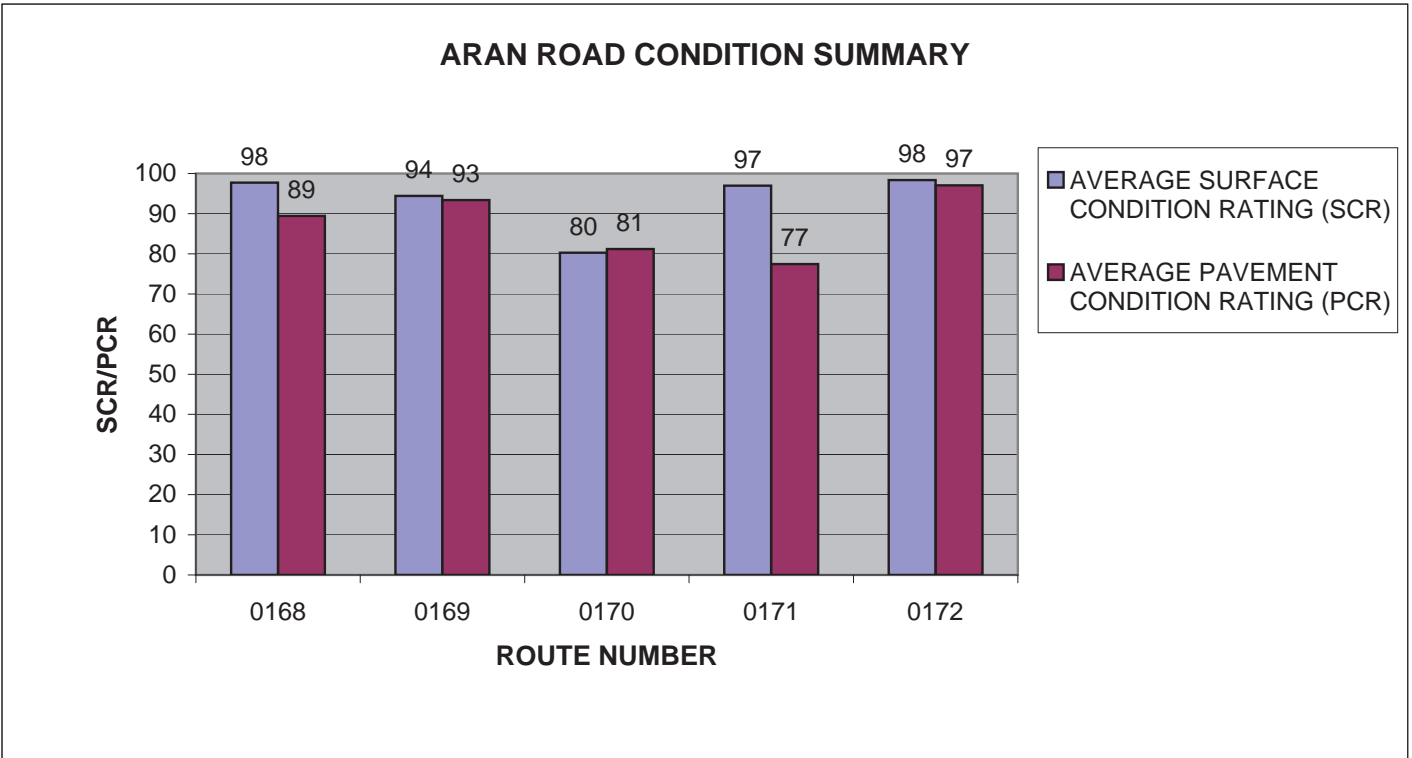
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0015	HERMIT REST ROAD	1	7.04	ASPHALT	100	99
0016	CENTER ROAD	1	1.61	ASPHALT	91	93
0017	MARKET PLAZA ROAD	1	1.04	ASPHALT	86	90
0160	ROWE WELL ROAD	1	4.19	ASPHALT	43	50
0167	PIMA POINT ROAD	2	0.47	ASPHALT	95	91



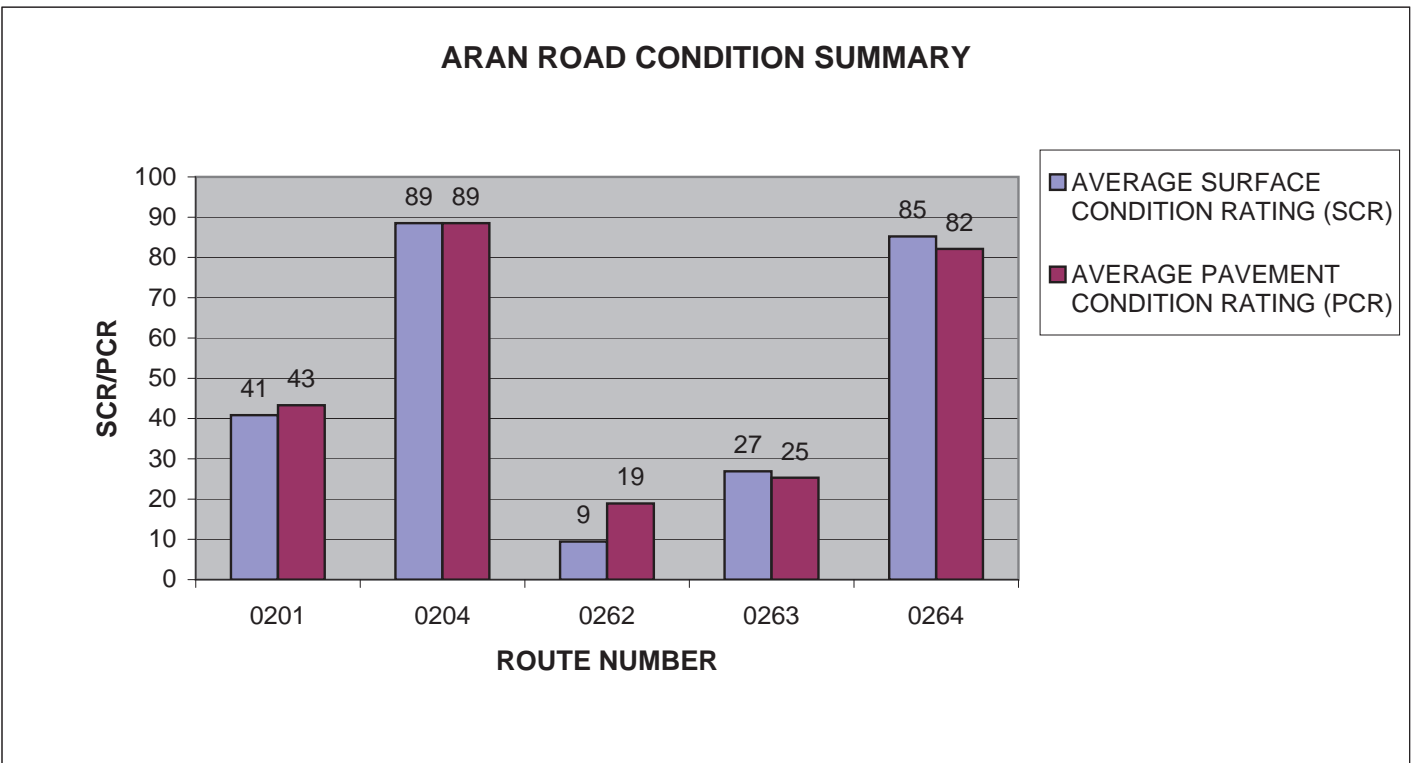
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0168	MOHAVE POINT ROAD	2	0.22	ASPHALT	98	89
0169	POWELL MEMORIAL ROAD	2	0.19	ASPHALT	94	93
0170	ZUNI WAY	2	0.15	ASPHALT	80	81
0171	DESERT VIEW GAS STATION ACCESS ROAD	1	0.35	ASPHALT	97	77
0172	DESERT VIEW ACCESS ROAD	3	0.21	ASPHALT	98	97



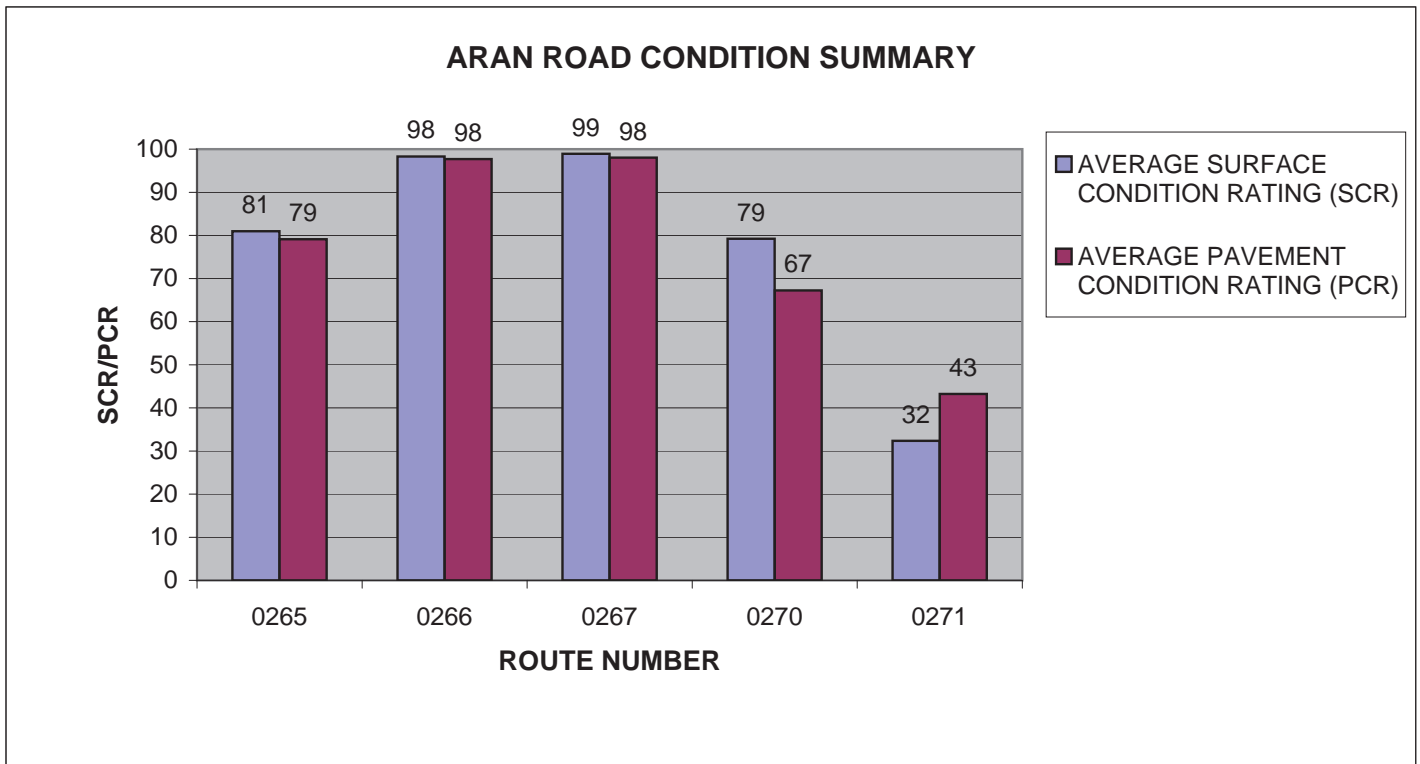
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0201	NORTH RIM CAMPGROUND ROAD	3	0.26	ASPHALT	41	43
0204	NPS ACADEMY LOOP ROAD	3	0.08	ASPHALT	89	89
0262	YAKI POINT ROAD	2	1.1	ASPHALT	9	19
0263	KAIBAB TRAIL ACCESS ROAD	2	0.2	ASPHALT	27	25
0264	GRANDVIEW POINT ROAD	2	0.77	ASPHALT	85	82



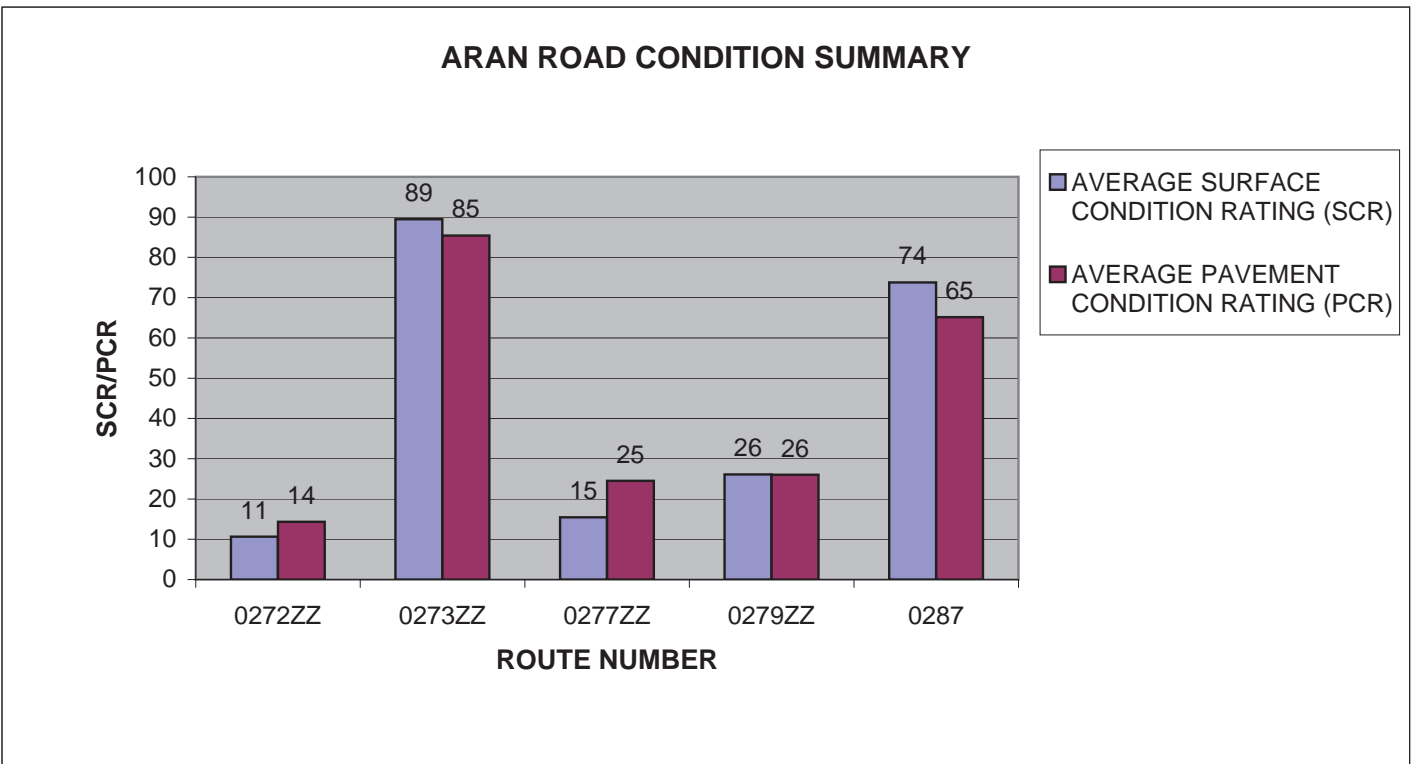
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0265	MORAN POINT ROAD	2	0.25	ASPHALT	81	79
0266	TUSAYAN RUIN ROAD	2	0.27	ASPHALT	98	98
0267	LIPAN POINT ROAD	2	0.44	ASPHALT	99	98
0270	DESERT VIEW CAMPGROUND	3	0.64	ASPHALT	79	67
0271	MATHER CAMPGROUND ACCESS ROAD	3	0.37	ASPHALT	32	43



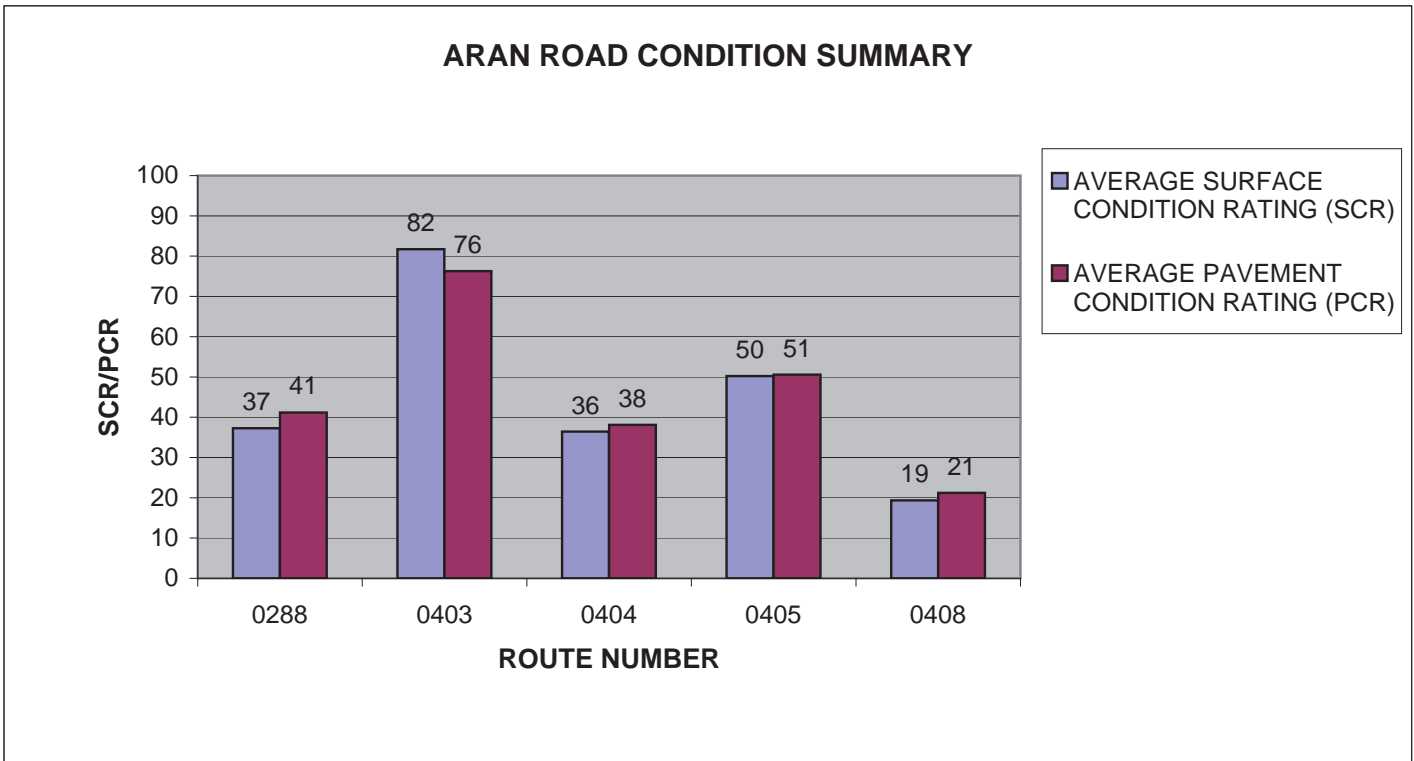
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0272ZZ	MATHER CAMPGROUND ROADS	3	3.53	ASPHALT	11	14
0273ZZ	NORTH RIM CAMPGROUND ROADS	3	1.08	ASPHALT	89	85
0277ZZ	TRAILER VILLAGE OUTER LOOP ROADS	3	1.03	ASPHALT	15	25
0279ZZ	TRAILER VILLAGE ROADS	3	2.19	ASPHALT	26	26
0287	ROUTE 0160 ACCESS ROAD	2	0.29	ASPHALT	74	65



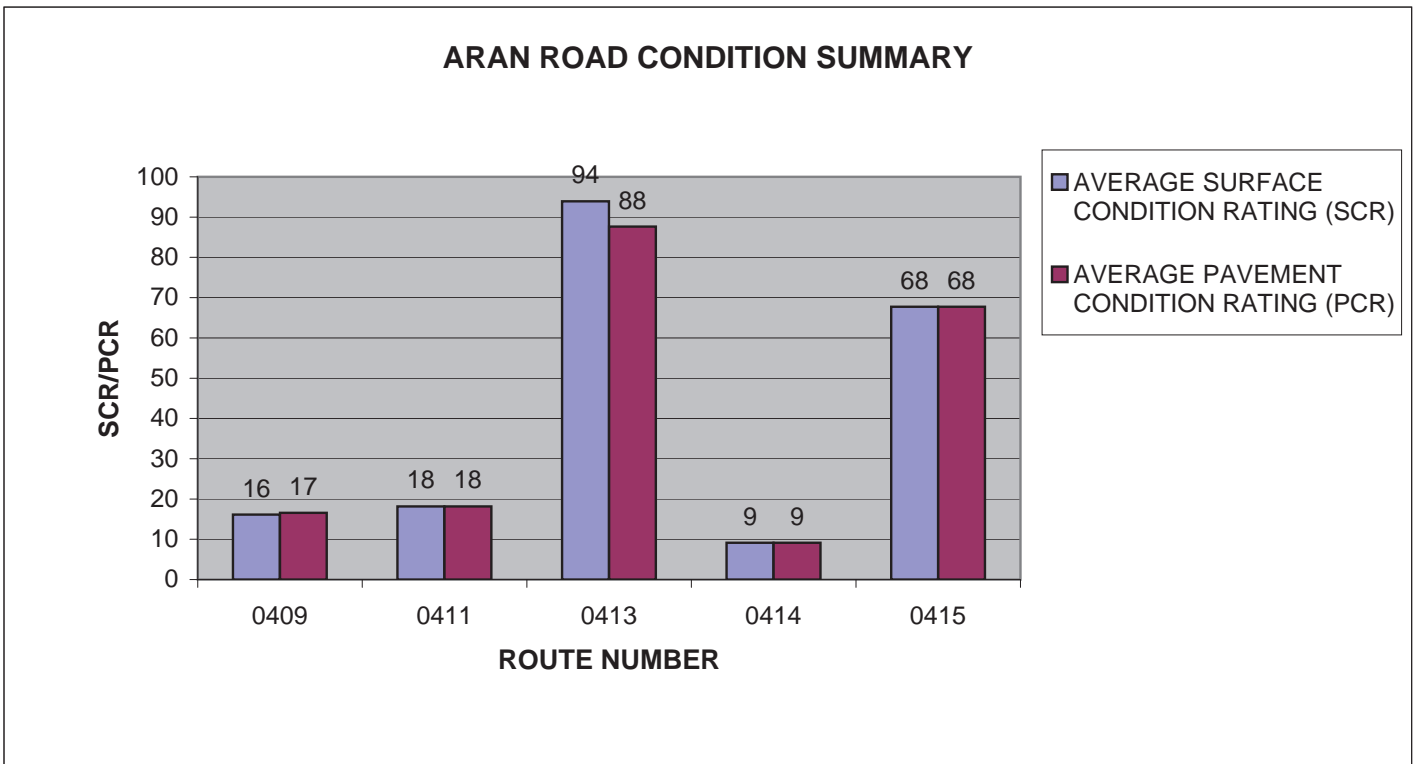
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0288	CLINIC ACCESS ROAD	3	0.41	ASPHALT	37	41
0403	TONTO STREET	5	0.15	ASPHALT	82	76
0404	AUTO SHOP ROAD	5	0.18	ASPHALT	36	38
0405	ADMIN LOOP	5	0.28	ASPHALT	50	51
0408	COCONINO ROAD	5	0.28	ASPHALT	19	21



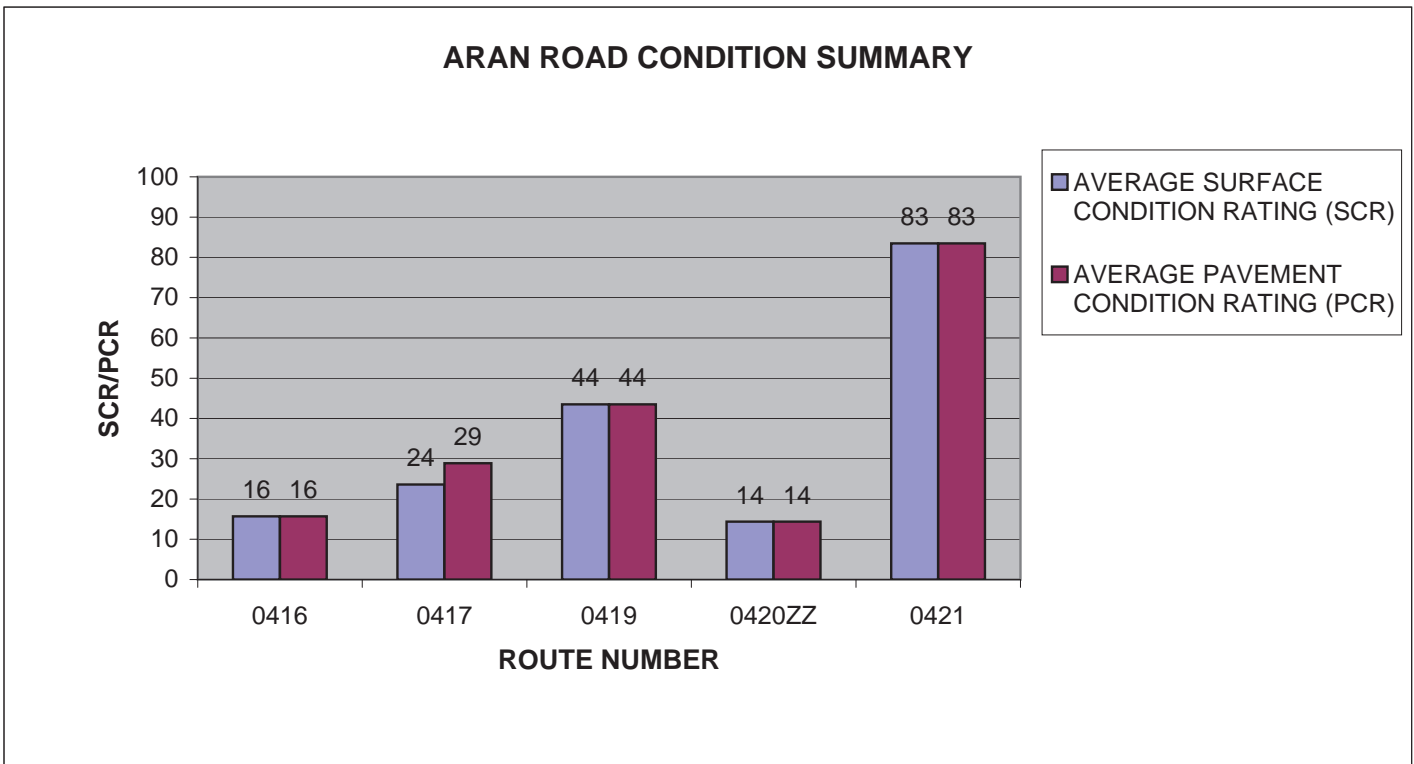
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0409	BOULDER STREET	5	0.28	ASPHALT	16	17
0411	BOULDER ALLEY	5	0.24	ASPHALT	18	18
0413	APACHE STREET	5	0.23	ASPHALT	94	88
0414	APACHE WEST	5	0.21	ASPHALT	9	9
0415	APACHE ALLEY	5	0.16	ASPHALT	68	68



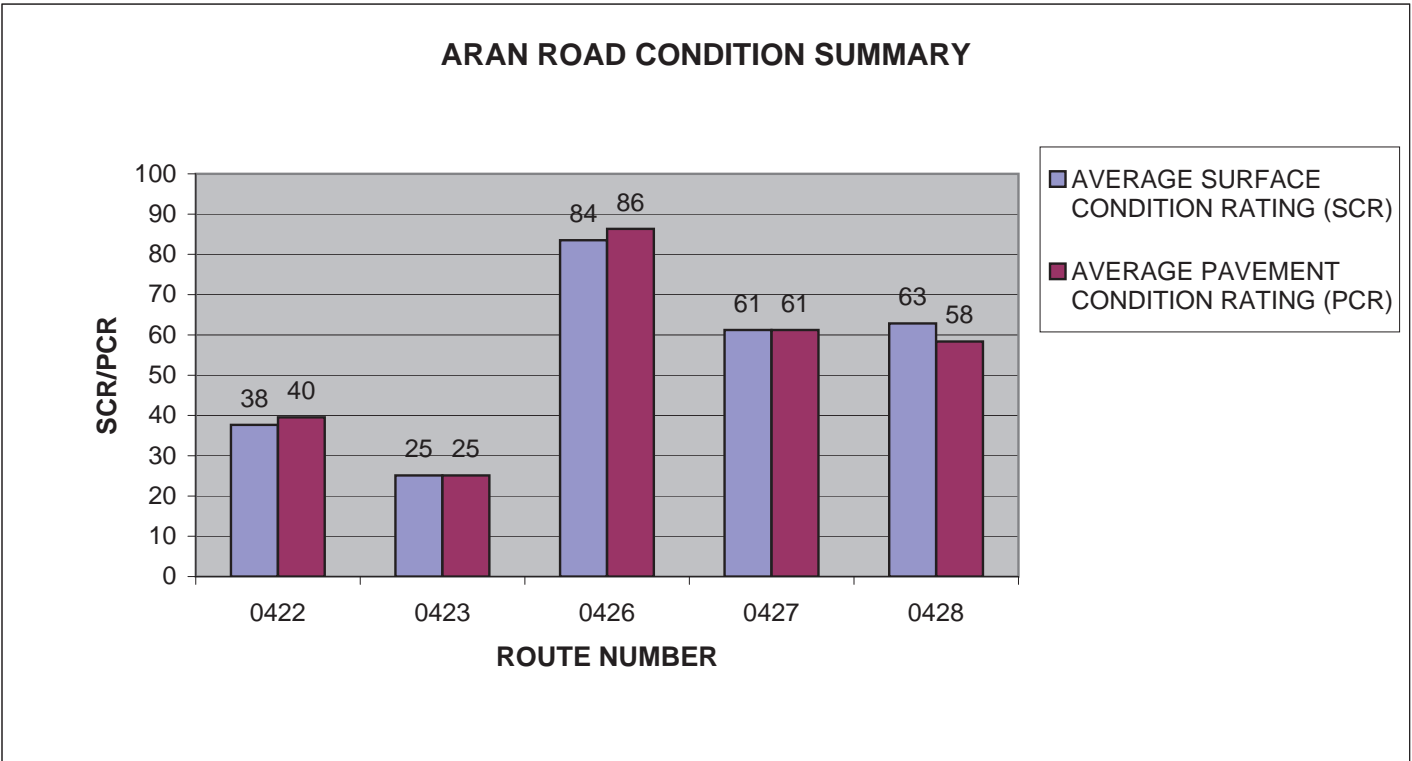
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0416	MUAV COURT	5	0.14	ASPHALT	16	16
0417	HUALAPAI ROAD	5	0.2	ASPHALT	24	29
0419	KOLB CIRCLE	5	0.04	ASPHALT	44	44
0420ZZ	MATHER STREET AREA	5	0.17	ASPHALT	14	14
0421	POWELL AVENUE	5	0.26	ASPHALT	83	83



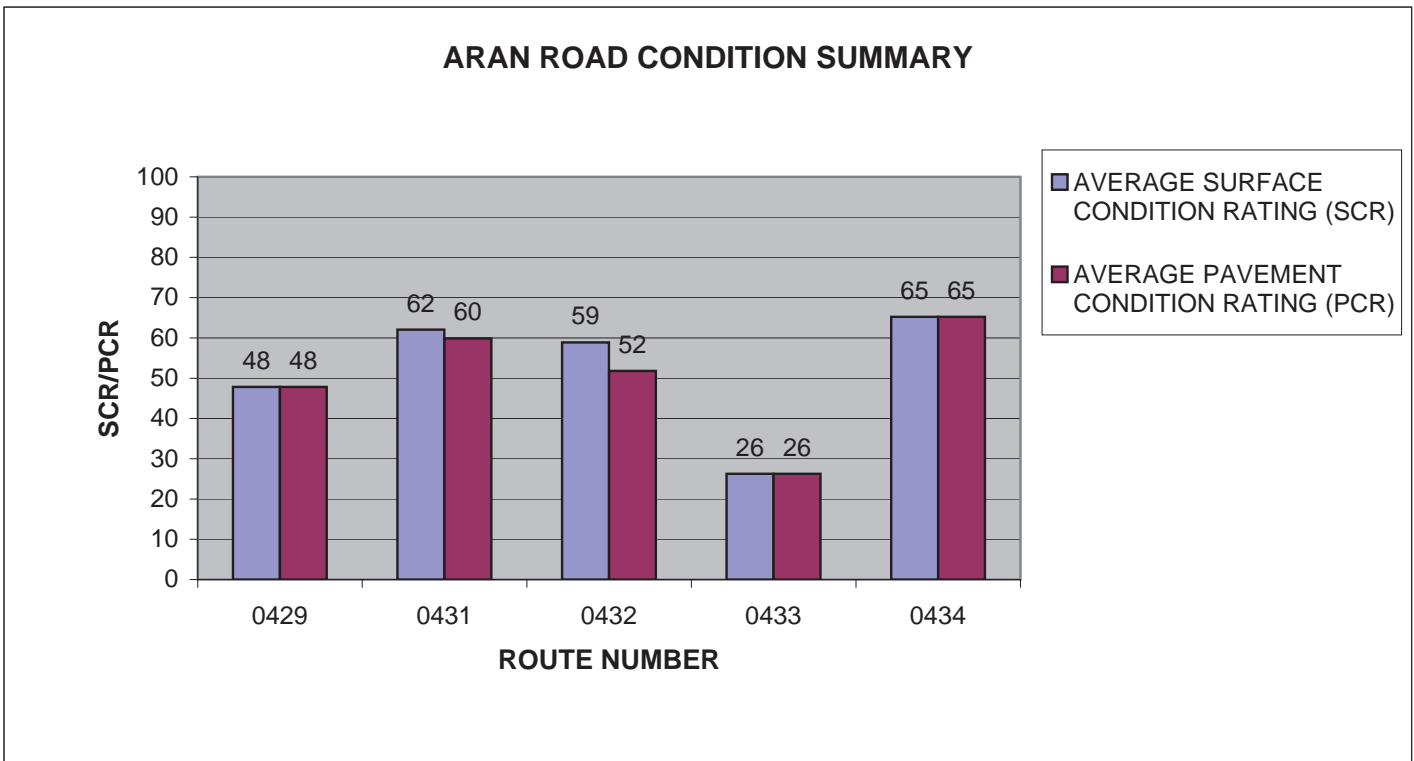
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0422	SOUTH MOHAVE STREET	5	0.17	ASPHALT	38	40
0423	MOHAVE COURT	5	0.16	ASPHALT	25	25
0426	MASWICK TRANSPORTATION CENTER ROAD	5	0.17	ASPHALT	84	86
0427	KENNELS ROAD	5	0.17	ASPHALT	61	61
0428	SHUTTLE BUS ROAD	5	0.6	ASPHALT	63	58



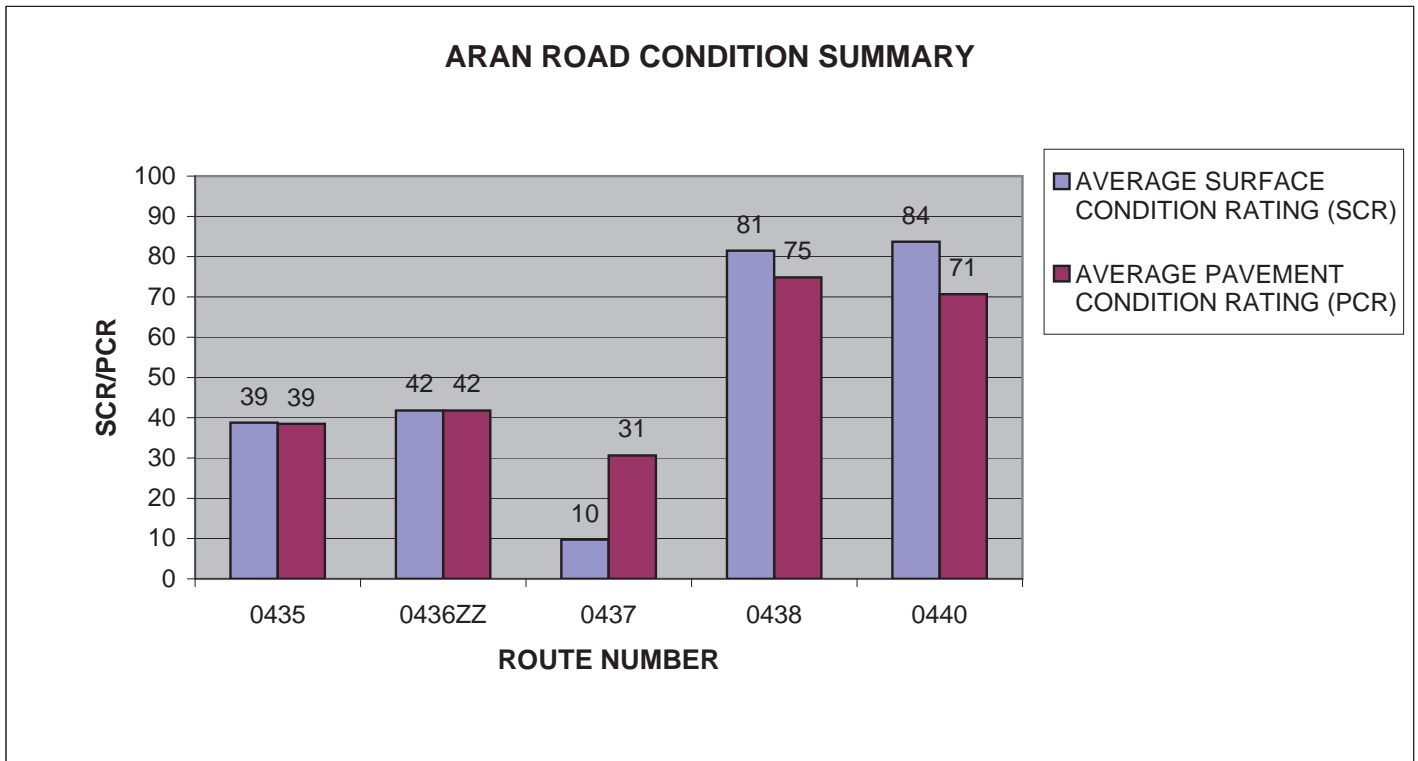
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0429	NPS HOUSING ROAD	5	0.11	ASPHALT	48	48
0431	JUNIPER HILL	5	0.27	ASPHALT	62	60
0432	NAVAJO STREET	5	0.17	ASPHALT	59	52
0433	TAPEATS CIRCLE	5	0.11	ASPHALT	26	26
0434	HERMIT CIRCLE	5	0.08	ASPHALT	65	65



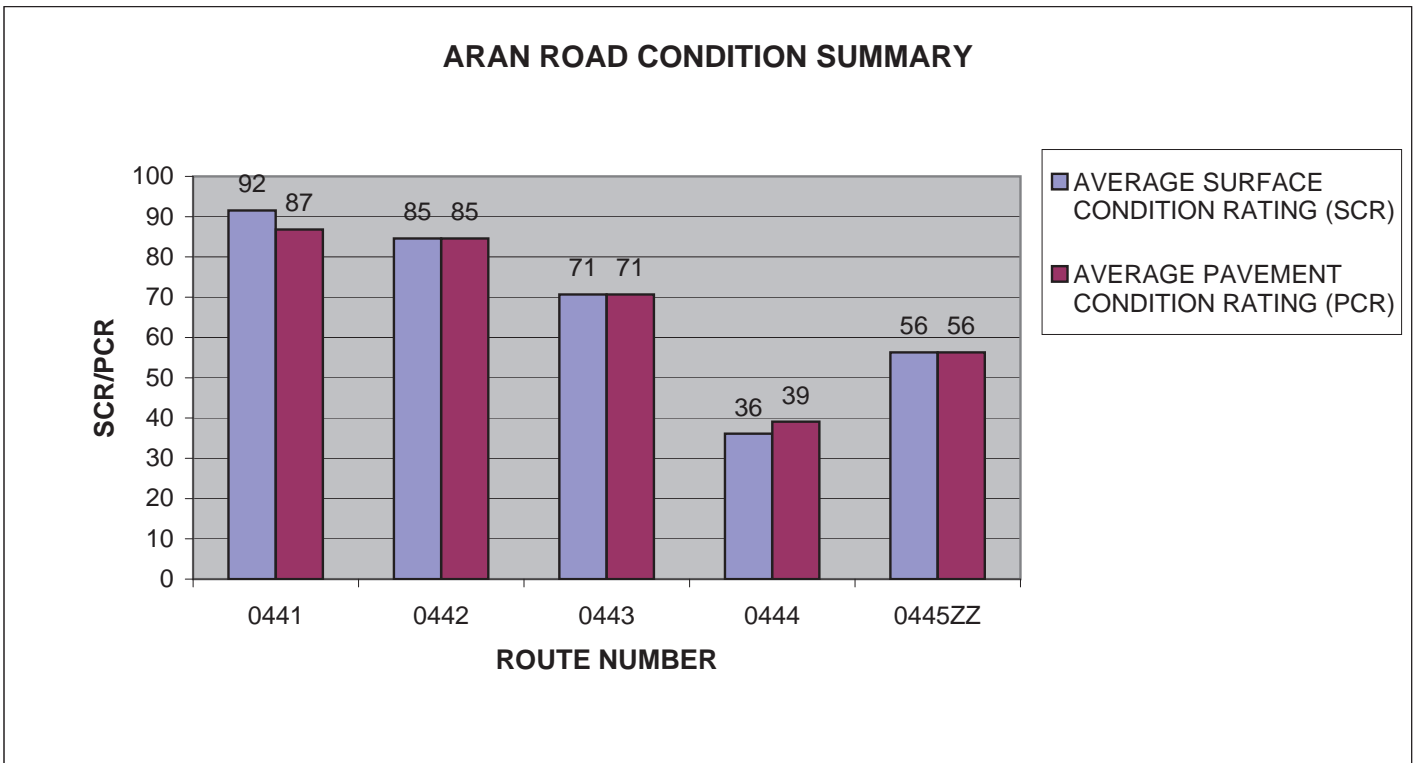
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0435	SUNSET DRIVE	5	0.36	ASPHALT	39	39
0436ZZ	BRIGHT ANGEL LOOP ROADS	5	0.19	ASPHALT	42	42
0437	PARK CIRCLE	5	0.52	ASPHALT	10	31
0438	BARRY HANCE CIRCLE	5	0.45	ASPHALT	81	75
0440	RANDY THOMPSON CIRCLE	5	0.56	ASPHALT	84	71



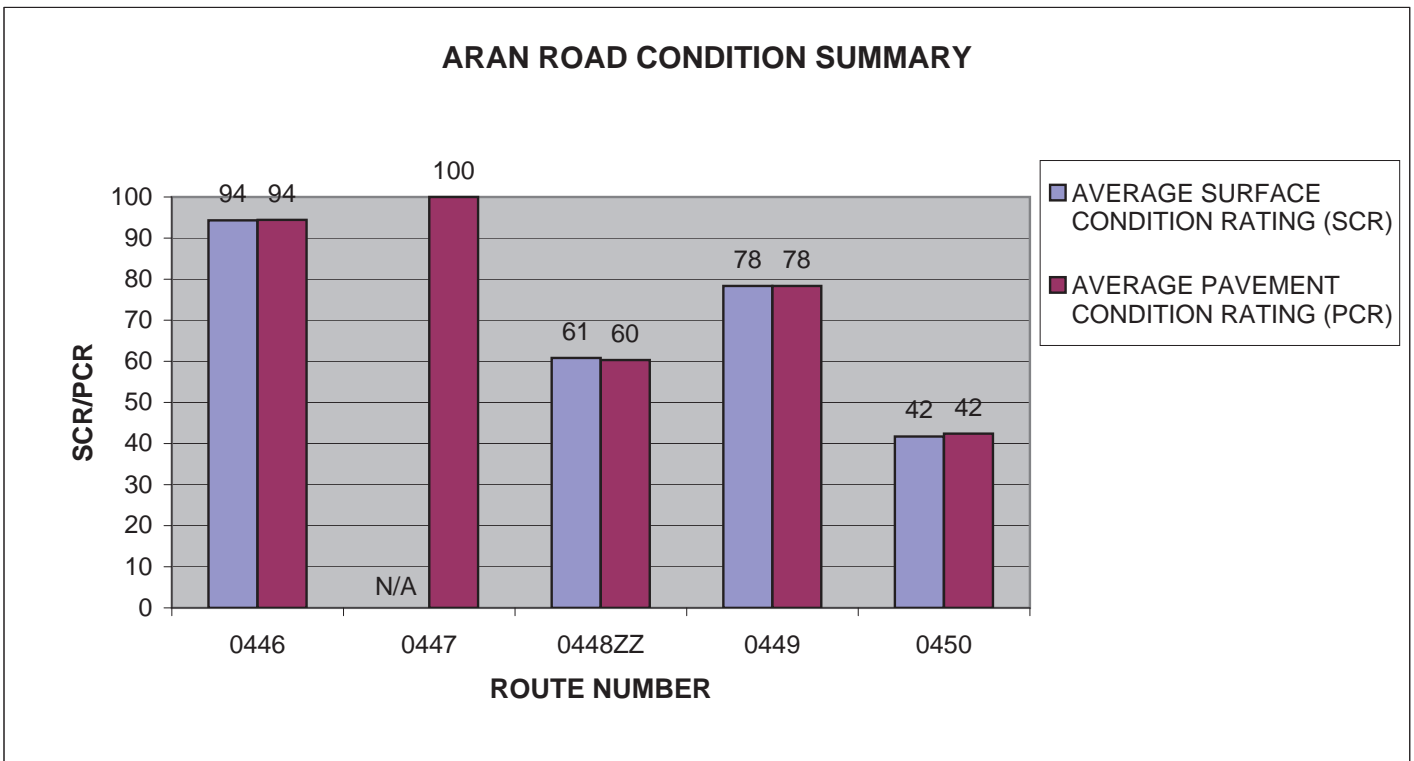
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0441	BOB MANN STREET	5	0.17	ASPHALT	92	87
0442	MORAN AVENUE	5	0.1	ASPHALT	85	85
0443	LIPAN STREET	5	0.06	ASPHALT	71	71
0444	KAIBAB STREET	5	0.54	ASPHALT	36	39
0445ZZ	NAVAJO RESIDENCE ROADS	5	0.11	ASPHALT	56	56



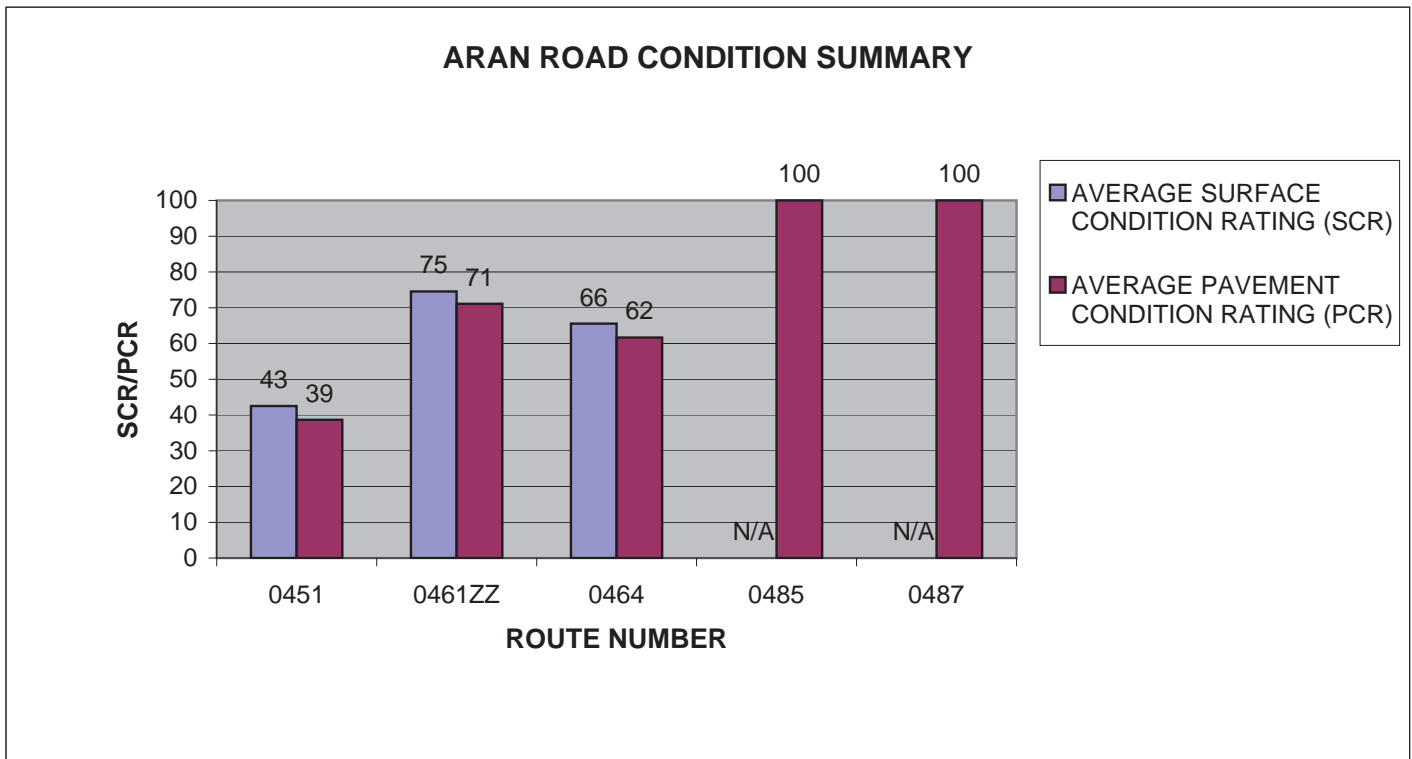
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0446	WEST SHUTTLE ACCESS ROAD	5	0.82	ASPHALT	94	94
0447	EAST SHUTTLE ACCESS ROAD	5	0.24	ASPHALT	N/A	100
0448ZZ	CONCESSIONAIRE ROADS	5	0.76	ASPHALT	61	60
0449	NORTH RIM RESIDENCE LOOP	6	0.24	ASPHALT	78	78
0450	WASTEWATER PLANT / HELIPAD ROAD	6	0.35	ASPHALT	42	42



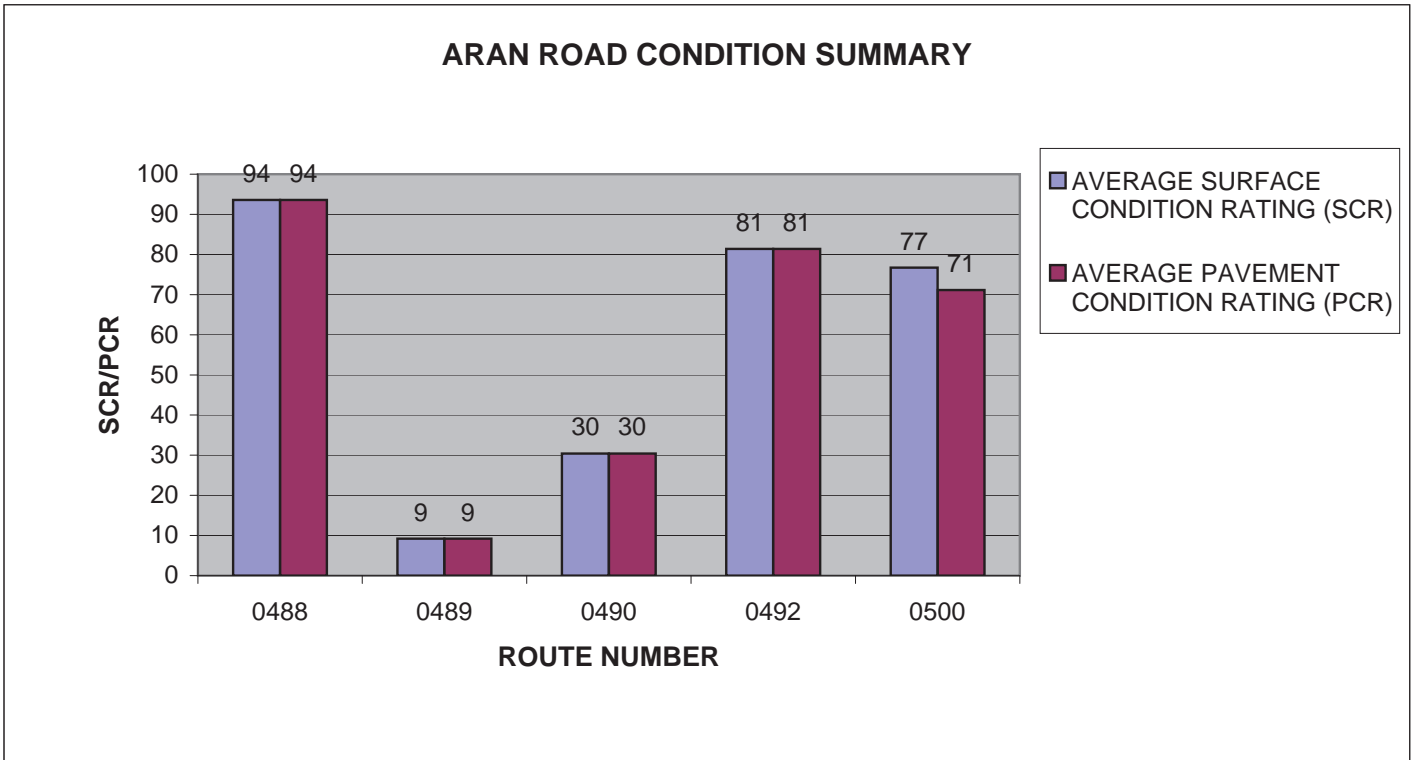
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0451	HAVASUPAI ROAD	5	0.61	ASPHALT	43	39
0461ZZ	EAST ENTRANCE RESIDENCE ROADS	5	0.82	ASPHALT	75	71
0464	TANK C PUMPHOUSE ROAD	4	0.15	ASPHALT	66	62
0485	EMPLOYEE SERVICE ROAD	5	0.46	ASPHALT	N/A	100
0487	EMPLOYEE ACCESS ROAD	5	0.06	ASPHALT	N/A	100



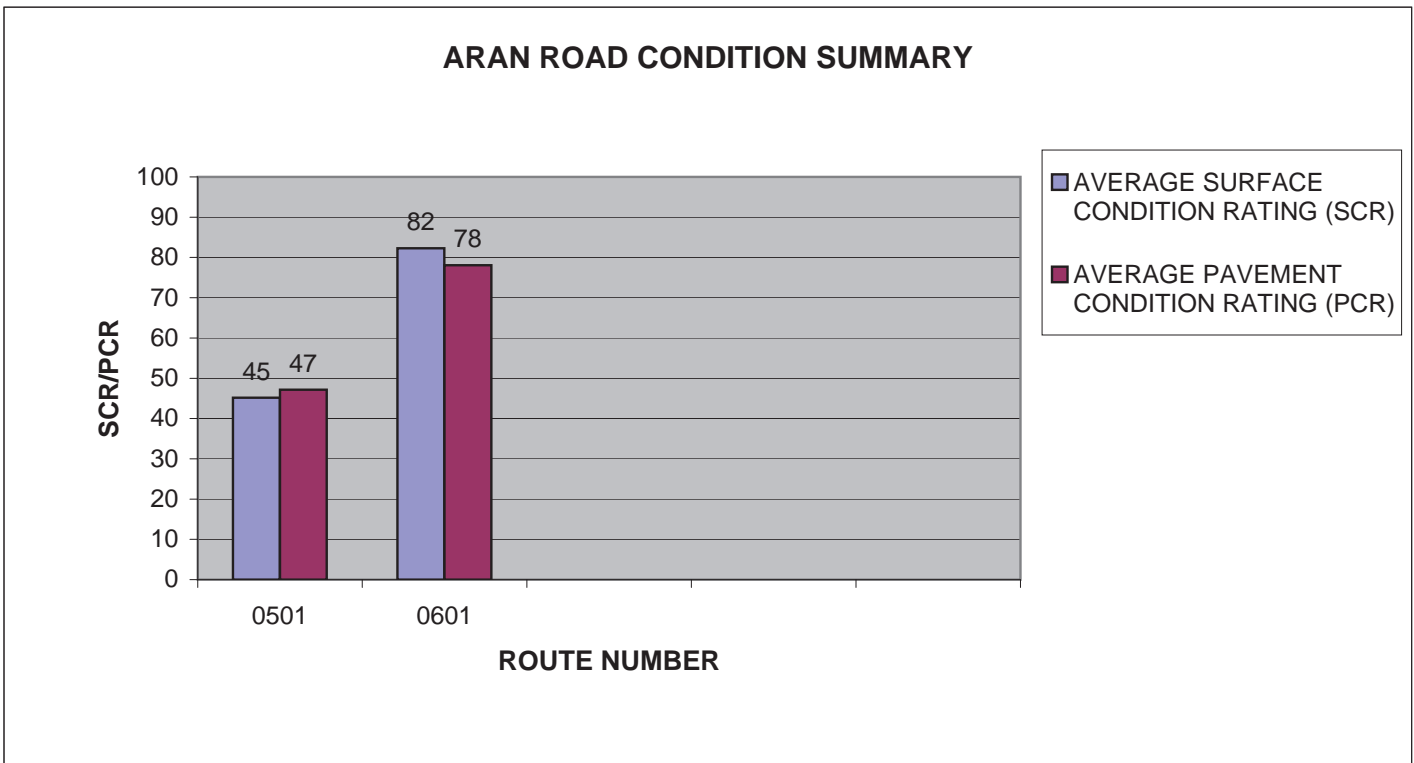
GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0488	FIRE STATION ACCESS ROAD	5	0.05	ASPHALT	94	94
0489	INN CABIN LOOP	5	0.2	ASPHALT	9	9
0490	CAMPGROUND STORE / CONCESSION ACCESS ROAD	5	0.07	ASPHALT	30	30
0492	DESERT VIEW MAINTENANCE / RANGER STATION ROAD	5	0.07	ASPHALT	81	81
0500	VILLAGE LOOP DRIVE	3	1.32	ASPHALT	77	71



GRCA: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0501	VILLAGE LOOP BYPASS	3	0.31	ASPHALT	45	47
0601	ALBRIGHT AVENUE	2	0.62	ASPHALT	82	78

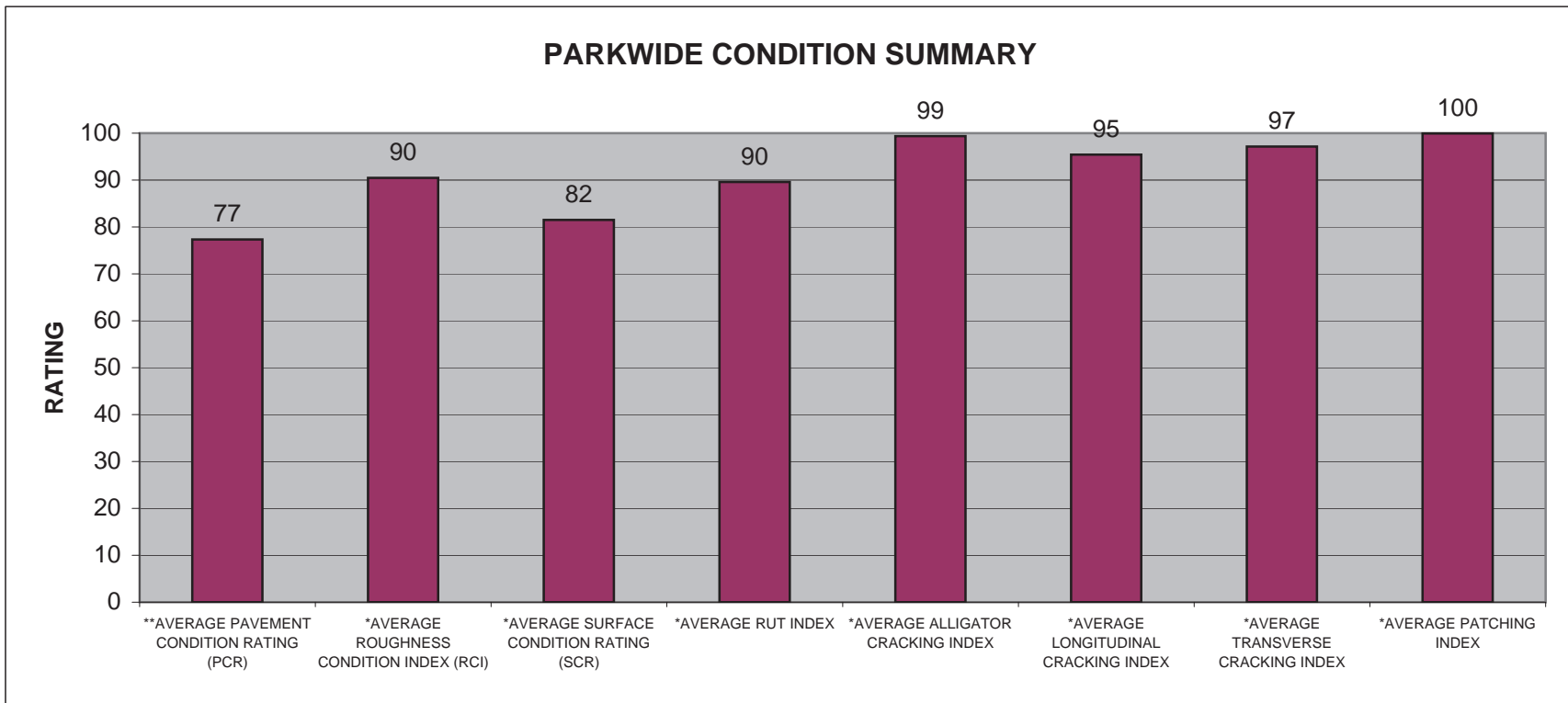


GRCA: PARKWIDE CONDITION SUMMARY

**AVERAGE PAVEMENT CONDITION RATING (PCR)	*AVERAGE ROUGHNESS CONDITION INDEX (RCI)	*AVERAGE SURFACE CONDITION RATING (SCR)	*AVERAGE RUT INDEX	*AVERAGE ALLIGATOR CRACKING INDEX	*AVERAGE LONGITUDINAL CRACKING INDEX	*AVERAGE TRANSVERSE CRACKING INDEX	*AVERAGE PATCHING INDEX
77	90	82	90	99	95	97	100

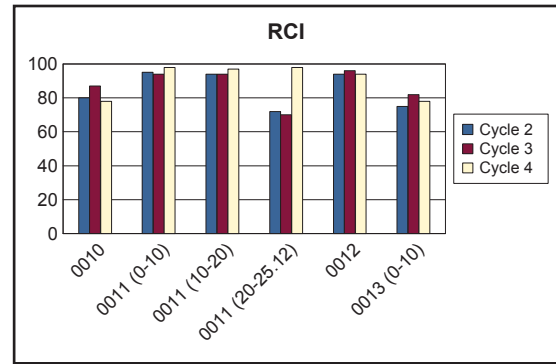
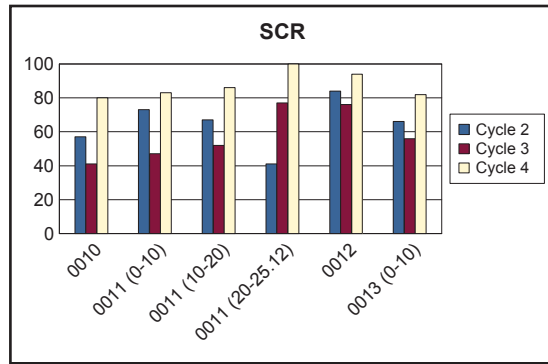
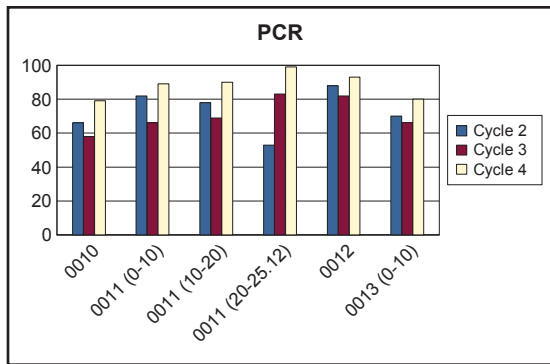
** PCR Index is based on all ARAN-driven roads, parking areas, and manually rated routes.

* Index values are based on ARAN-driven roads only.



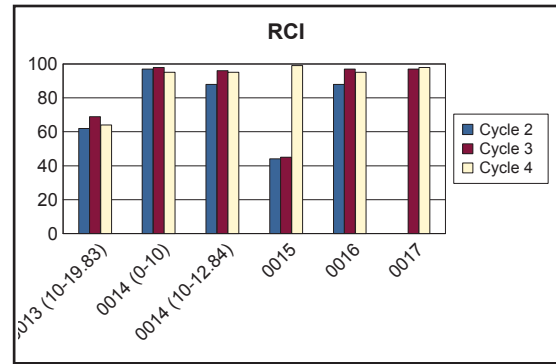
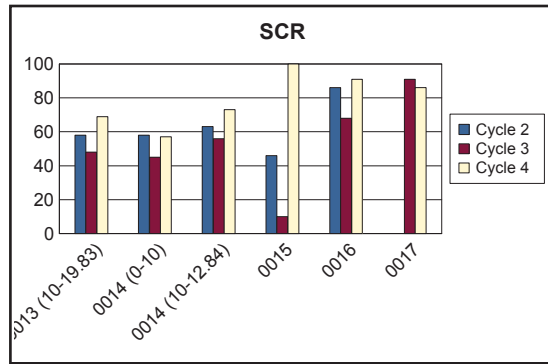
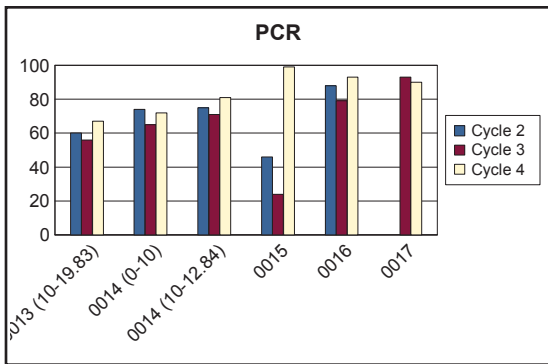
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			PERCENT CHANGE	COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		
0010	2.65	0.00	2.65	66	58	79	+36%	57	41	80	+95%	80	87	78	-10%	
0011	10.00	0.00	10.00	82	66	89	+35%	73	47	83	+77%	95	94	98	+4%	
0011	10.00	10.00	20.00	78	69	90	+30%	67	52	86	+65%	94	94	97	+3%	
0011	5.12	20.00	25.12	53	83	99	+19%	41	77	100	+30%	72	70	98	+40%	
0012	7.80	0.00	7.80	88	82	93	+13%	84	76	94	+24%	94	96	94	-2%	
0013	10.00	0.00	10.00	70	66	80	+21%	66	56	82	+46%	75	82	78	-5%	



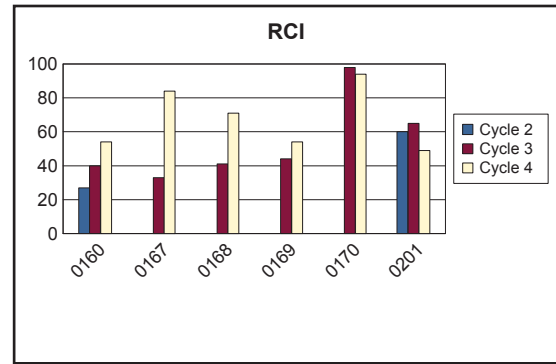
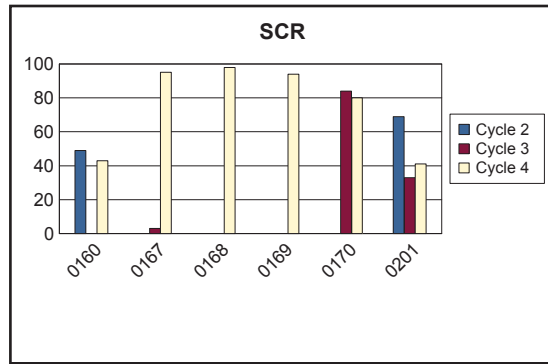
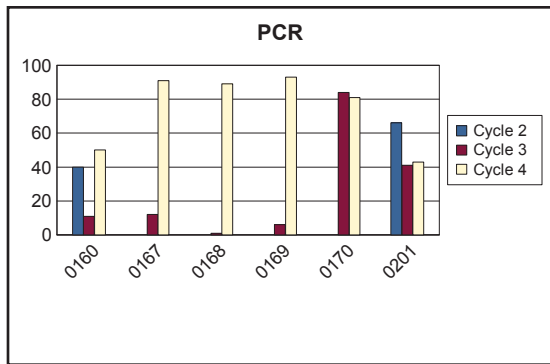
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0013	9.83	10.00	19.83	60	56	67	+20%	58	48	69	+44%	62	69	64	-7%	
0014	10.00	0.00	10.00	74	65	72	+11%	58	45	57	+27%	97	98	95	-3%	
0014	2.84	10.00	12.84	75	71	81	+14%	63	56	73	+30%	88	96	95	-1%	
0015	7.04	0.00	7.04	46	24	99	+312%	46	10	100	+900%	44	45	99	+120%	
0016	1.61	0.00	1.61	88	79	93	+18%	86	68	91	+34%	88	97	95	-2%	
0017	1.05	0.00	1.05	N/A	93	90	-3%	N/A	91	86	-5%	N/A	97	98	+1%	



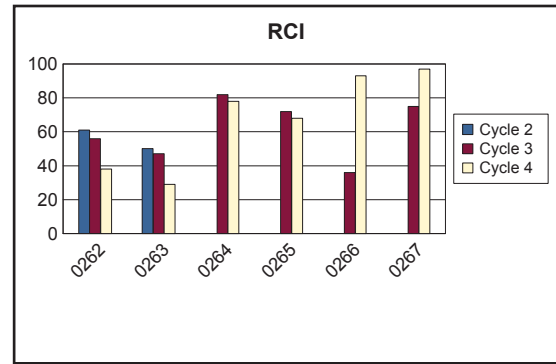
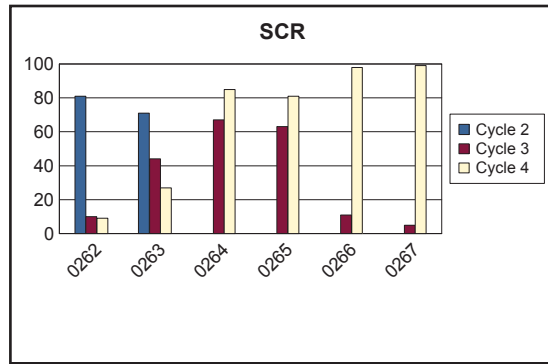
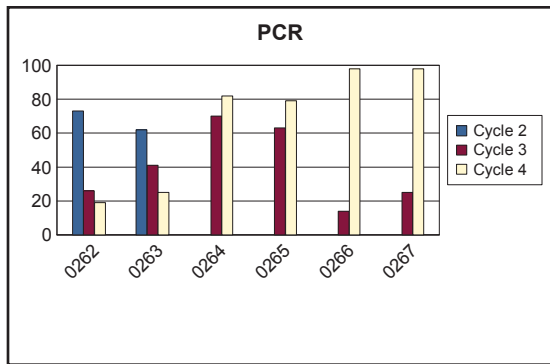
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			COMMENT	
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		
0160	0.57	0.00	0.57	40	11	50	+355%	49	0	43	N/A	27	40	54	+35%	
0167	0.48	0.00	0.48	N/A	12	91	+658%	N/A	3	95	+3067%	N/A	33	84	+155%	
0168	0.24	0.00	0.24	N/A	1	89	+8800%	N/A	0	98	N/A	N/A	41	71	+73%	
0169	0.23	0.00	0.23	N/A	6	93	+1450%	N/A	0	94	N/A	N/A	44	54	+23%	
0170	0.16	0.00	0.16	N/A	84	81	-4%	N/A	84	80	-5%	N/A	98	94	-4%	
0201	0.26	0.00	0.26	66	41	43	+5%	69	33	41	+24%	60	65	49	-25%	



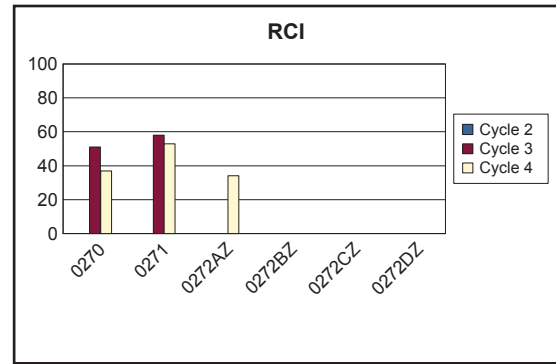
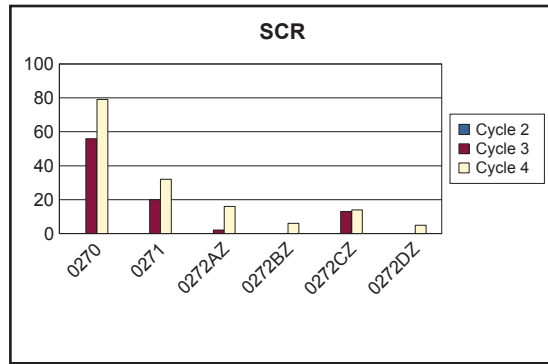
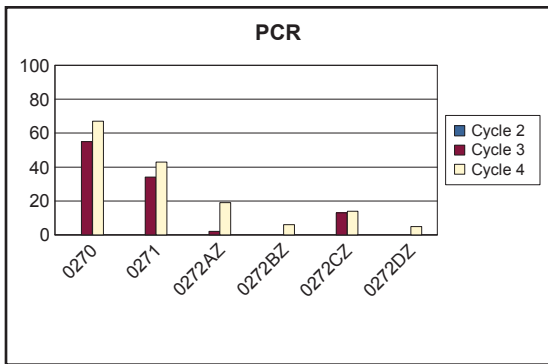
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			COMMENT	
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		
0262	1.10	0.00	1.10	73	26	19	-27%	81	10	9	-10%	61	56	38	-32%	
0263	0.20	0.00	0.20	62	41	25	-39%	71	44	27	-39%	50	47	29	-38%	
0264	0.77	0.00	0.77	N/A	70	82	+17%	N/A	67	85	+27%	N/A	82	78	-5%	
0265	0.25	0.00	0.25	N/A	63	79	+25%	N/A	63	81	+29%	N/A	72	68	-6%	
0266	0.27	0.00	0.27	N/A	14	98	+600%	N/A	11	98	+791%	N/A	36	93	+158%	
0267	0.45	0.00	0.45	N/A	25	98	+292%	N/A	5	99	+1880%	N/A	75	97	+29%	



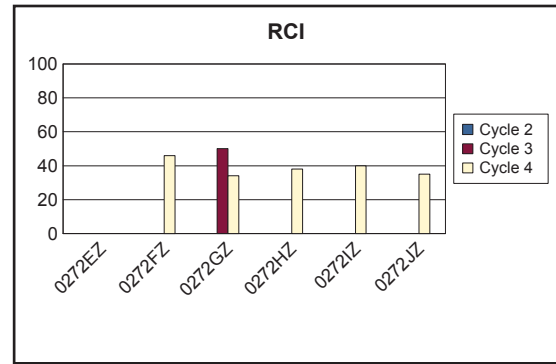
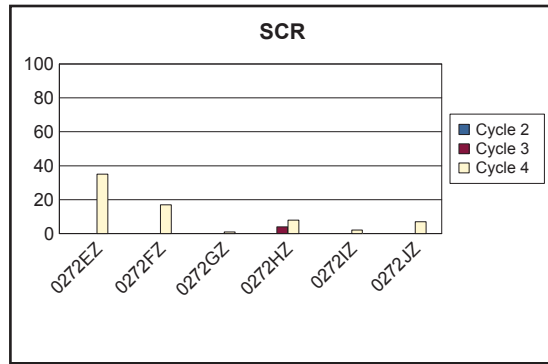
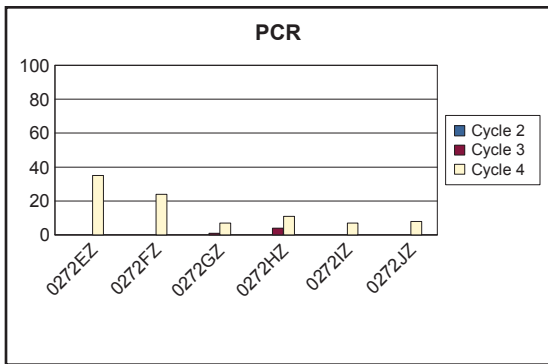
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			PERCENT CHANGE	COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		
0270	0.64	0.00	0.64	N/A	55	67	+22%	N/A	56	79	+41%	N/A	51	37	-27%	
0271	0.37	0.00	0.37	N/A	34	43	+26%	N/A	20	32	+60%	N/A	58	53	-9%	
0272AZ	0.59	0.00	0.59	N/A	2	19	+850%	N/A	2	16	+700%	N/A	N/A	34	N/A	Route was 0272A in Cycle 3. No RCI collected in Cycle 3.
0272BZ	0.19	0.00	0.19	N/A	0	6	N/A	N/A	0	6	N/A	N/A	N/A	N/A	N/A	Route was 0272B in Cycle 3. No RCI collected in Cycle 3 or 4.
0272CZ	0.07	0.00	0.07	N/A	13	14	+8%	N/A	13	14	+8%	N/A	N/A	N/A	N/A	Route was 0272C in Cycle 3. No RCI collected in Cycle 3 or 4.
0272DZ	0.05	0.00	0.05	N/A	0	5	N/A	N/A	0	5	N/A	N/A	N/A	N/A	N/A	Route was 0272D in Cycle 3. No RCI collected in Cycle 3 or 4.



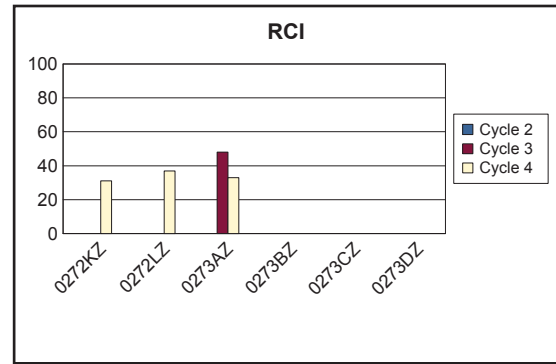
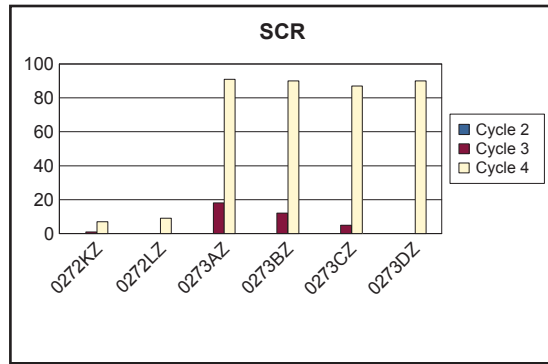
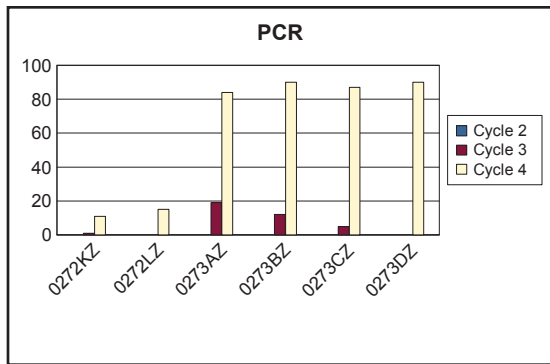
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0272EZ	0.08	0.00	0.08	N/A	0	35	N/A	N/A	0	35	N/A	N/A	N/A	N/A	N/A	Route was 0272E in Cycle 3. No RCI collected in Cycle 3 or 4.
0272FZ	0.49	0.00	0.49	N/A	0	24	N/A	N/A	0	17	N/A	N/A	N/A	46	N/A	Route was 0272F in Cycle 3. No RCI collected in Cycle 3.
0272GZ	0.47	0.00	0.47	N/A	1	7	+600%	N/A	0	1	N/A	N/A	50	34	-32%	Route was 0272G in Cycle 3.
0272HZ	0.33	0.00	0.33	N/A	4	11	+175%	N/A	4	8	+100%	N/A	N/A	38	N/A	Route was 0272H in Cycle 3. No RCI collected in Cycle 3.
0272IZ	0.44	0.00	0.44	N/A	0	7	N/A	N/A	0	2	N/A	N/A	N/A	40	N/A	Route was 0272I in Cycle 3. No RCI collected in Cycle 3.
0272JZ	0.25	0.00	0.25	N/A	0	8	N/A	N/A	0	7	N/A	N/A	N/A	35	N/A	Route was 0272J in Cycle 3. No RCI collected in Cycle 3.



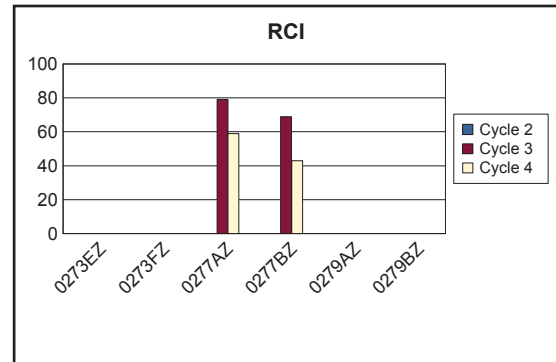
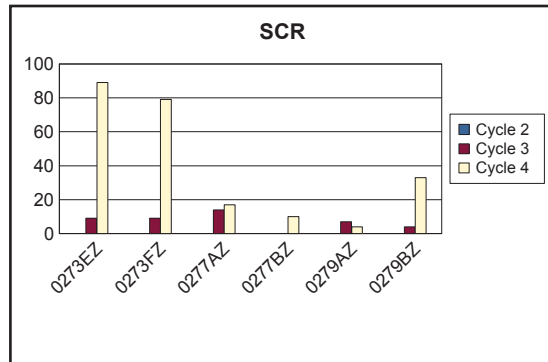
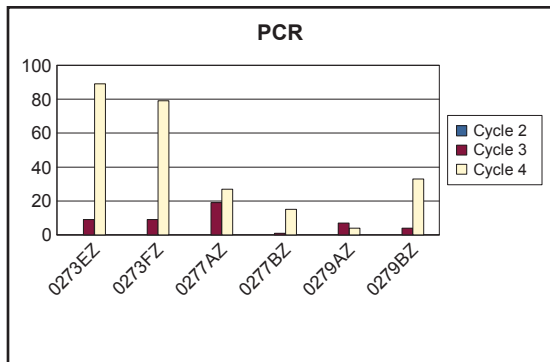
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0272KZ	0.24	0.00	0.24	N/A	1	11	+1000%	N/A	1	7	+600%	N/A	N/A	31	N/A	Route was 0272K in Cycle 3. No RCI collected in Cycle 3.
0272LZ	0.25	0.00	0.25	N/A	0	15	N/A	N/A	0	9	N/A	N/A	N/A	37	N/A	Route was 0272L in Cycle 3. No RCI collected in Cycle 3.
0273AZ	0.63	0.00	0.63	N/A	19	84	+342%	N/A	18	91	+406%	N/A	48	33	-31%	Route was 0273A in Cycle 3.
0273BZ	0.06	0.00	0.06	N/A	12	90	+650%	N/A	12	90	+650%	N/A	N/A	N/A	N/A	Route was 0273B in Cycle 3. No RCI collected in Cycle 3 or 4.
0273CZ	0.09	0.00	0.09	N/A	5	87	+1640%	N/A	5	87	+1640%	N/A	N/A	N/A	N/A	Route was 0273C in Cycle 3. No RCI collected in Cycle 3 or 4.
0273DZ	0.11	0.00	0.11	N/A	0	90	N/A	N/A	0	90	N/A	N/A	N/A	N/A	N/A	Route was 0273D in Cycle 3. No RCI collected in Cycle 3 or 4.



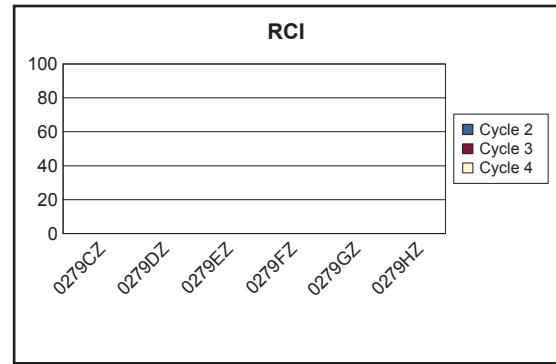
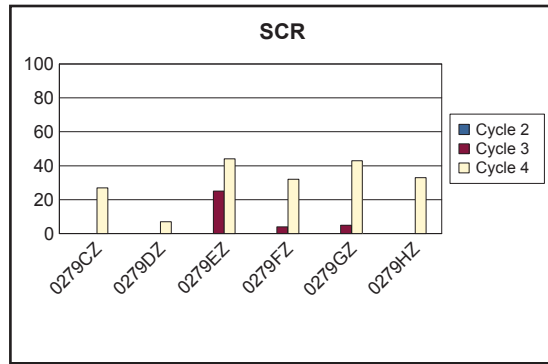
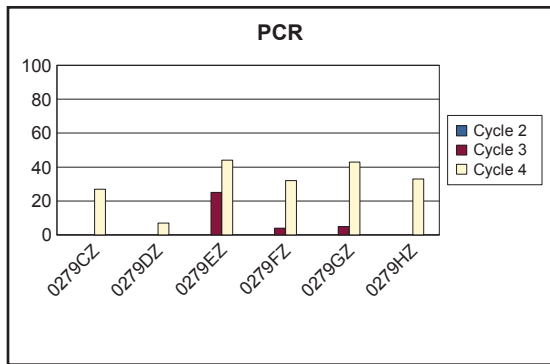
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0273EZ	0.11	0.00	0.11	N/A	9	89	+889%	N/A	9	89	+889%	N/A	N/A	N/A	N/A	Route was 0273E in Cycle 3. No RCI collected in Cycle 3 or 4.
0273FZ	0.08	0.00	0.08	N/A	9	79	+778%	N/A	9	79	+778%	N/A	N/A	N/A	N/A	Route was 0273F in Cycle 3. No RCI collected in Cycle 3 or 4.
0277AZ	0.72	0.00	0.72	N/A	19	27	+42%	N/A	14	17	+21%	N/A	79	59	-25%	Route was 0277A in Cycle 3.
0277BZ	0.37	0.00	0.37	N/A	1	15	+1400%	N/A	0	10	N/A	N/A	69	43	-38%	Route was 0277B in Cycle 3.
0279AZ	0.05	0.00	0.05	N/A	7	4	-43%	N/A	7	4	-43%	N/A	N/A	N/A	N/A	Route was 0279A in Cycle 3. No RCI collected in Cycle 3 or 4.
0279BZ	0.07	0.00	0.07	N/A	4	33	+725%	N/A	4	33	+725%	N/A	N/A	N/A	N/A	Route was 0279B in Cycle 3. No RCI collected in Cycle 3 or 4.



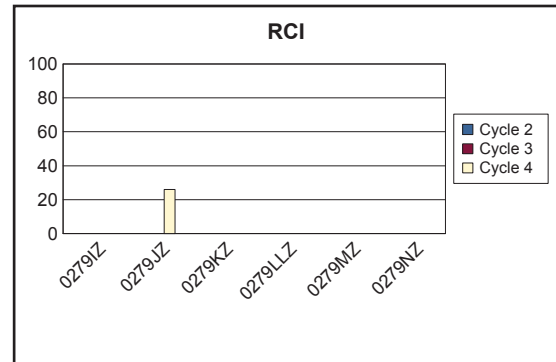
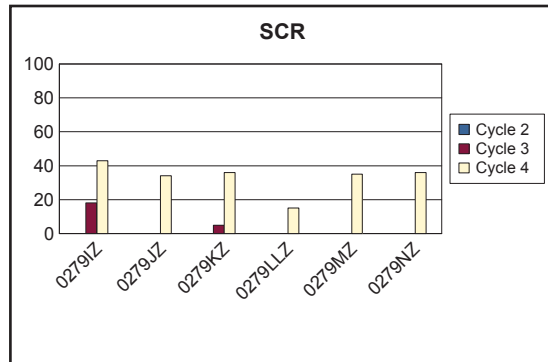
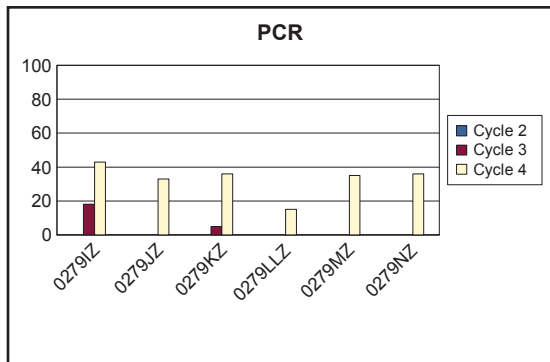
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4	
0279CZ	0.08	0.00	0.08	N/A	0	27	N/A	N/A	0	27	N/A	N/A	N/A	N/A	Route was 0279C in Cycle 3. No RCI collected in Cycle 3 or 4.
0279DZ	0.08	0.00	0.08	N/A	0	7	N/A	N/A	0	7	N/A	N/A	N/A	N/A	Route was 0279D in Cycle 3. No RCI collected in Cycle 3 or 4.
0279EZ	0.09	0.00	0.09	N/A	25	44	+76%	N/A	25	44	+76%	N/A	N/A	N/A	Route was 0279E in Cycle 3. No RCI collected in Cycle 3 or 4.
0279FZ	0.09	0.00	0.09	N/A	4	32	+700%	N/A	4	32	+700%	N/A	N/A	N/A	Route was 0279F in Cycle 3. No RCI collected in Cycle 3 or 4.
0279GZ	0.10	0.00	0.10	N/A	5	43	+760%	N/A	5	43	+760%	N/A	N/A	N/A	Route was 0279G in Cycle 3. No RCI collected in Cycle 3 or 4.
0279HZ	0.10	0.00	0.10	N/A	N/A	33	+760%	N/A	0	33	N/A	N/A	N/A	N/A	Route was 0279H in Cycle 3. No RCI collected in Cycle 3 or 4.



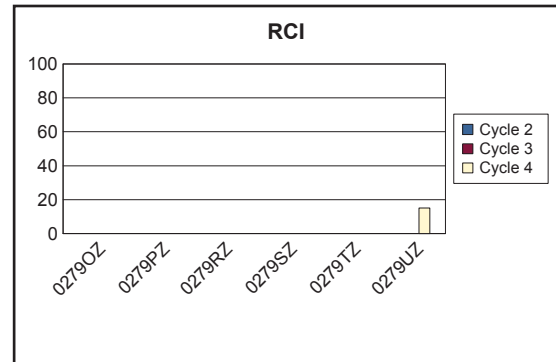
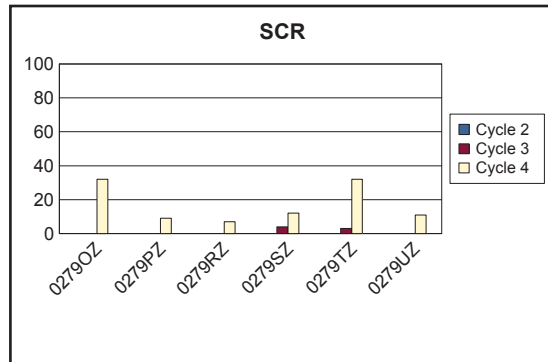
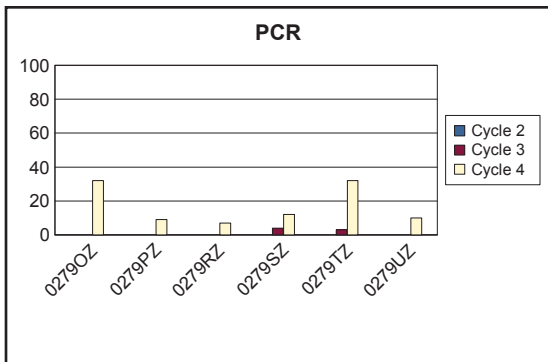
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0279IZ	0.10	0.00	0.10	N/A	18	43	+139%	N/A	18	43	+139%	N/A	N/A	N/A	N/A	Route was 0279I in Cycle 3. No RCI collected in Cycle 3 or 4.
0279JZ	0.10	0.00	0.10	N/A	0	33	N/A	N/A	0	34	N/A	N/A	N/A	26	N/A	Route was 0279J in Cycle 3. No RCI collected in Cycle 3.
0279KZ	0.11	0.00	0.11	N/A	5	36	+620%	N/A	5	36	+620%	N/A	N/A	N/A	N/A	Route was 0279K in Cycle 3. No RCI collected in Cycle 3 or 4.
0279LLZ	0.11	0.00	0.11	N/A	N/A	15	+620%	N/A	N/A	15	N/A	N/A	N/A	N/A	N/A	Route was 0279L in Cycle 3. No RCI collected in Cycle 3 or 4.
0279MZ	0.12	0.00	0.12	N/A	0	35	N/A	N/A	0	35	N/A	N/A	N/A	N/A	N/A	Route was 0279M in Cycle 3. No RCI collected in Cycle 3 or 4.
0279NZ	0.13	0.00	0.13	N/A	0	36	N/A	N/A	0	36	N/A	N/A	N/A	N/A	N/A	Route was 0279N in Cycle 3. No RCI collected in Cycle 3 or 4.



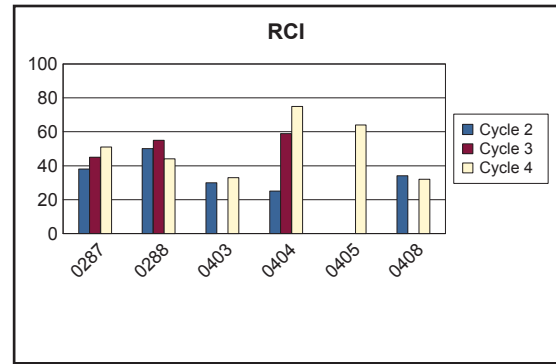
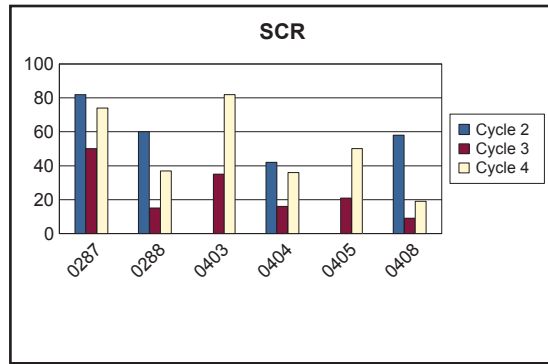
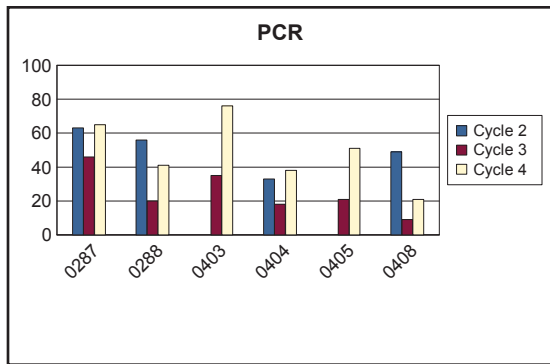
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0279OZ	0.14	0.00	0.14	N/A	0	32	N/A	N/A	0	32	N/A	N/A	N/A	N/A	N/A	Route was 0279O in Cycle 3. No RCI collected in Cycle 3 or 4.
0279PZ	0.14	0.00	0.14	N/A	0	9	N/A	N/A	0	9	N/A	N/A	N/A	N/A	N/A	Route was 0279P in Cycle 3. No RCI collected in Cycle 3 or 4.
0279RZ	0.13	0.00	0.13	N/A	0	7	N/A	N/A	0	7	N/A	N/A	N/A	N/A	N/A	Route was 0279R in Cycle 3. No RCI collected in Cycle 3 or 4.
0279SZ	0.12	0.00	0.12	N/A	4	12	+200%	N/A	4	12	+200%	N/A	N/A	N/A	N/A	Route was 0279S in Cycle 3. No RCI collected in Cycle 3 or 4.
0279TZ	0.12	0.00	0.12	N/A	3	32	+967%	N/A	3	32	+967%	N/A	N/A	N/A	N/A	Route was 0279T in Cycle 3. No RCI collected in Cycle 3 or 4.
0279UZ	0.11	0.00	0.11	N/A	0	10	N/A	N/A	0	11	N/A	N/A	N/A	15	N/A	Route was 0279U in Cycle 3. No RCI collected in Cycle 3.



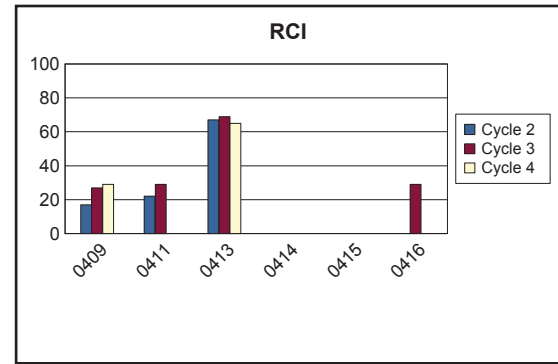
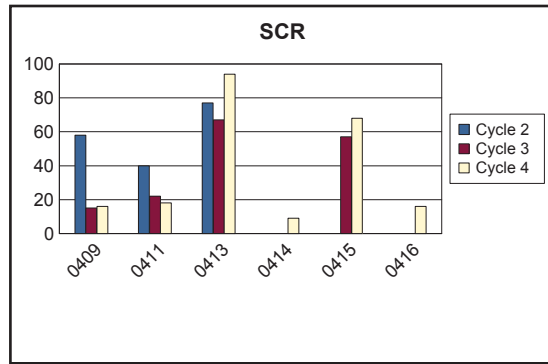
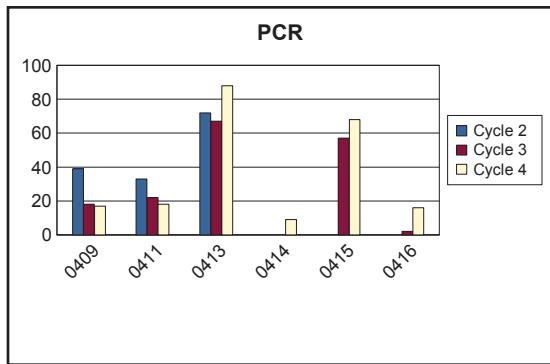
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			COMMENT	
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		
0287	0.29	0.00	0.29	63	46	65	+41%	82	50	74	+48%	38	45	51	+13%	
0288	0.41	0.00	0.41	56	20	41	+105%	60	15	37	+147%	50	55	44	-20%	
0403	0.16	0.00	0.16	N/A	35	76	+117%	N/A	35	82	+134%	30	N/A	33	N/A	No RCI collected in Cycle 3.
0404	0.18	0.00	0.18	33	18	38	+111%	42	16	36	+125%	25	59	75	+27%	
0405	0.29	0.00	0.29	N/A	21	51	+143%	N/A	21	50	+138%	N/A	N/A	64	N/A	No RCI collected in Cycle 3.
0408	0.29	0.00	0.29	49	9	21	+133%	58	9	19	+111%	34	N/A	32	N/A	No RCI collected in Cycle 3.



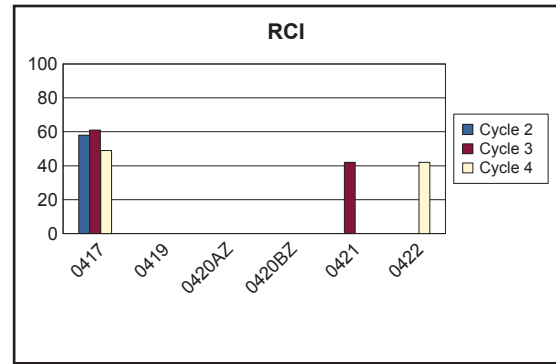
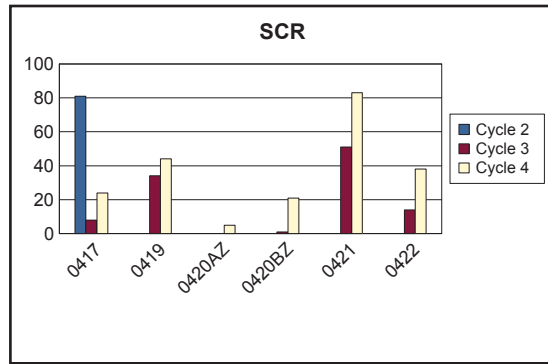
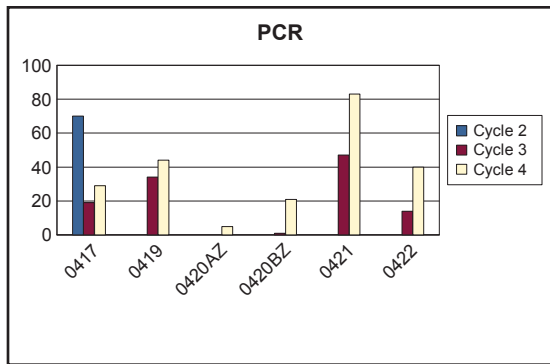
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			COMMENT	
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		
0409	0.29	0.00	0.29	39	18	17	-6%	58	15	16	+7%	17	27	29	+7%	
0411	0.24	0.00	0.24	33	22	18	-18%	40	22	18	-18%	22	29	N/A	N/A	No RCI collected in Cycle 4.
0413	0.23	0.00	0.23	72	67	88	+31%	77	67	94	+40%	67	69	65	-6%	
0414	0.14	0.00	0.14	N/A	0	9	N/A	N/A	0	9	N/A	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or Cycle 4.
0415	0.17	0.00	0.17	N/A	57	68	+19%	N/A	57	68	+19%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or Cycle 4.
0416	0.15	0.00	0.15	N/A	2	16	+700%	N/A	0	16	N/A	N/A	29	N/A	N/A	No RCI collected in Cycle 4.



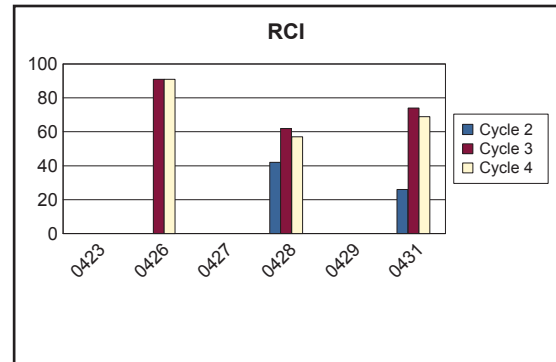
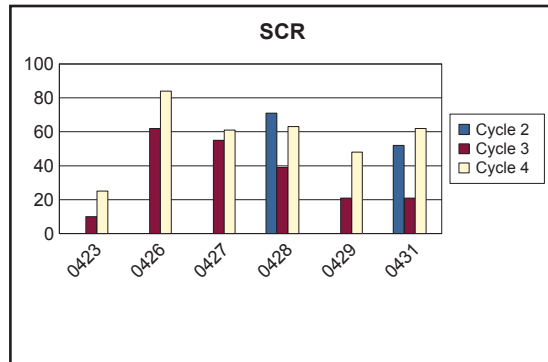
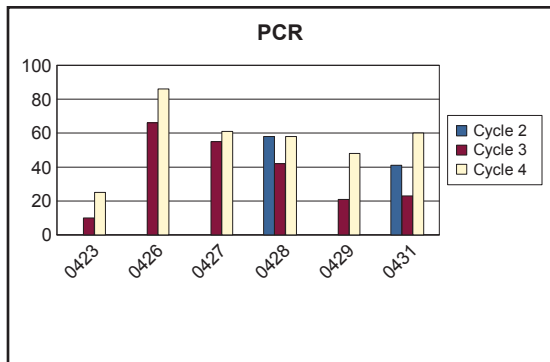
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0417	0.20	0.00	0.20	70	19	29	+53%	81	8	24	+200%	58	61	49	-20%	
0419	0.05	0.00	0.05	N/A	34	44	+29%	N/A	34	44	+29%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.
0420AZ	0.07	0.00	0.07	N/A	0	5	N/A	N/A	0	5	N/A	N/A	N/A	N/A	N/A	Route was 0420A in Cycle 3. No RCI collected in Cycle 3 or 4.
0420BZ	0.10	0.00	0.10	N/A	1	21	+2000%	N/A	1	21	+2000%	N/A	N/A	N/A	N/A	Route was 0420B in Cycle 3. No RCI collected in Cycle 3 or 4.
0421	0.27	0.00	0.27	N/A	47	83	+77%	N/A	51	83	+63%	N/A	42	N/A	N/A	No RCI collected in Cycle 4.
0422	0.17	0.00	0.17	N/A	14	40	+186%	N/A	14	38	+171%	N/A	N/A	42	N/A	No RCI collected in Cycle 3.



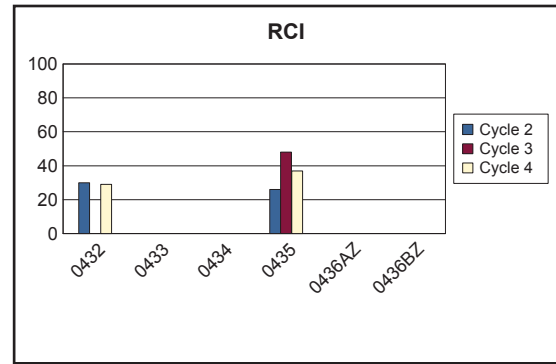
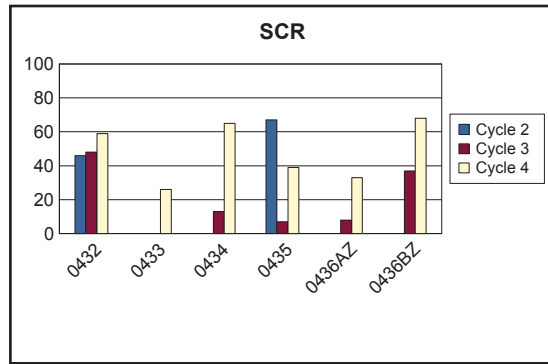
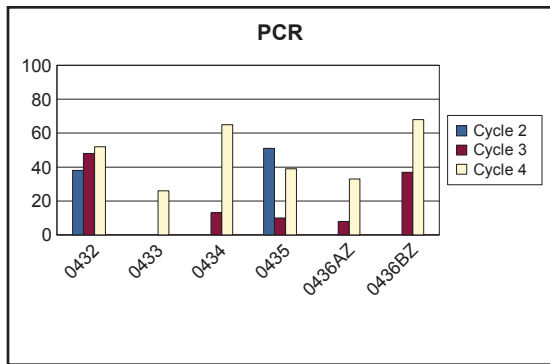
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			COMMENT	
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		
0423	0.16	0.00	0.16	N/A	10	25	+150%	N/A	10	25	+150%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.
0426	0.17	0.00	0.17	N/A	66	86	+30%	N/A	62	84	+35%	N/A	91	91	0%	
0427	0.17	0.00	0.17	N/A	55	61	+11%	N/A	55	61	+11%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.
0428	0.61	0.00	0.61	58	42	58	+38%	71	39	63	+62%	42	62	57	-8%	
0429	0.11	0.00	0.11	N/A	21	48	+129%	N/A	21	48	+129%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.
0431	0.28	0.00	0.28	41	23	60	+161%	52	21	62	+195%	26	74	69	-7%	



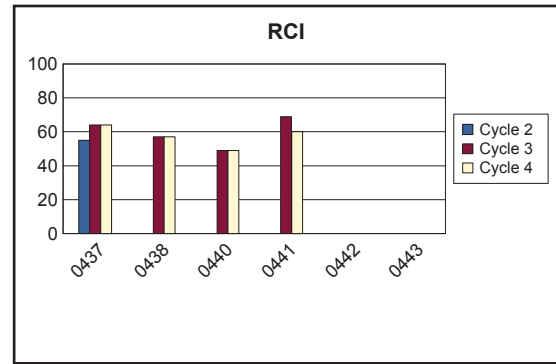
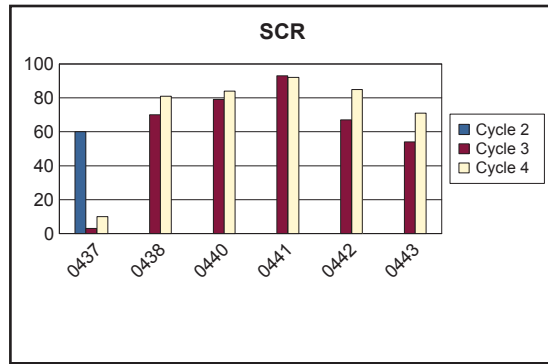
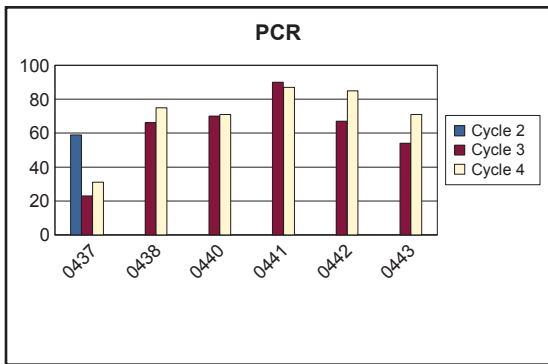
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			COMMENT	
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		
0432	0.17	0.00	0.17	38	48	52	+8%	46	48	59	+23%	30	N/A	29	N/A	No RCI collected in Cycle 3.
0433	0.12	0.00	0.12	N/A	0	26	N/A	N/A	0	26	N/A	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.
0434	0.09	0.00	0.09	N/A	13	65	+400%	N/A	13	65	+400%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.
0435	0.36	0.00	0.36	51	10	39	+290%	67	7	39	+457%	26	48	37	-23%	
0436AZ	0.13	0.00	0.13	N/A	8	33	+312%	N/A	8	33	+312%	N/A	N/A	N/A	N/A	Route was 0436A in Cycle 3. No RCI collected in Cycle 3 or 4.
0436BZ	0.06	0.00	0.06	N/A	37	68	+84%	N/A	37	68	+84%	N/A	N/A	N/A	N/A	Route was 0436B in Cycle 3. No RCI collected in Cycle 3 or 4.



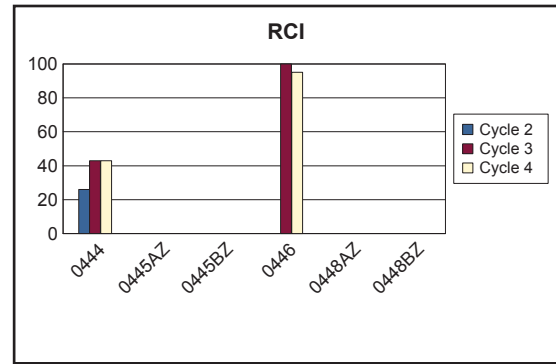
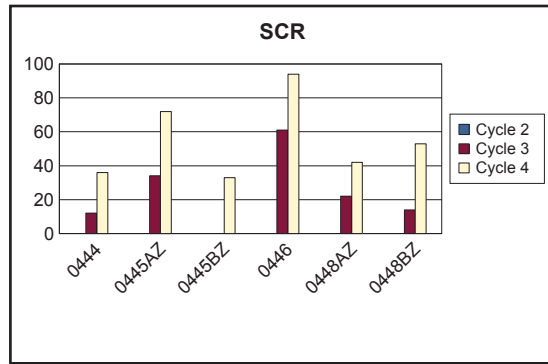
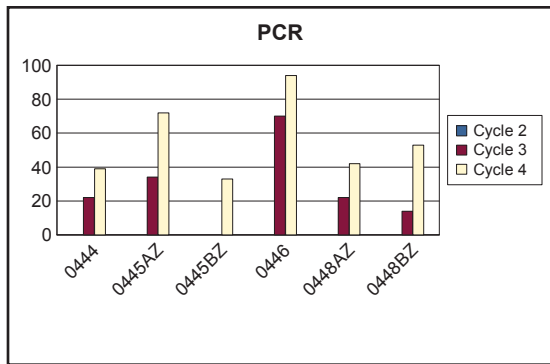
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			COMMENT	
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		
0437	0.52	0.00	0.52	59	23	31	+35%	60	3	10	+233%	55	64	64	0%	
0438	0.46	0.00	0.46	N/A	66	75	+14%	N/A	70	81	+16%	N/A	57	57	0%	
0440	0.57	0.00	0.57	N/A	70	71	+1%	N/A	79	84	+6%	N/A	49	49	0%	
0441	0.17	0.00	0.17	N/A	90	87	-3%	N/A	93	92	-1%	N/A	69	60	-13%	
0442	0.11	0.00	0.11	N/A	67	85	+27%	N/A	67	85	+27%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.
0443	0.06	0.00	0.06	N/A	54	71	+31%	N/A	54	71	+31%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.



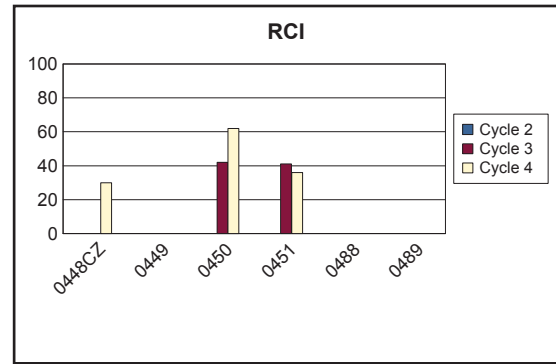
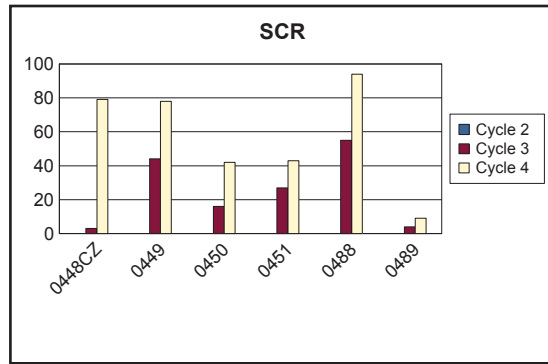
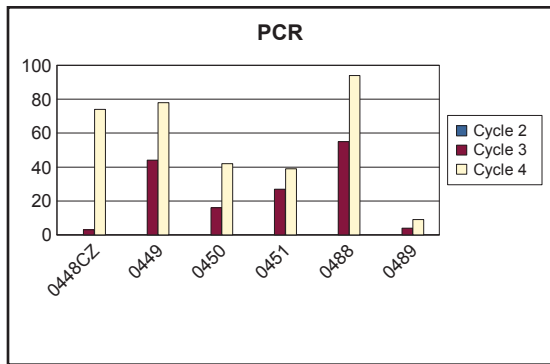
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0444	0.54	0.00	0.54	N/A	22	39	+77%	N/A	12	36	+200%	26	43	43	0%	
0445AZ	0.07	0.00	0.07	N/A	34	72	+112%	N/A	34	72	+112%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.
0445BZ	0.04	0.00	0.04	N/A	0	33	N/A	N/A	0	33	N/A	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.
0446	0.82	0.00	0.82	N/A	70	94	+34%	N/A	61	94	+54%	N/A	100	95	-5%	
0448AZ	0.20	0.00	0.20	N/A	22	42	+91%	N/A	22	42	+91%	N/A	N/A	N/A	N/A	Route was 0448A in Cycle 3. No RCI collected in Cycle 3 or 4.
0448BZ	0.17	0.00	0.17	N/A	14	53	+279%	N/A	14	53	+279%	N/A	N/A	N/A	N/A	Route was 0448B in Cycle 3. No RCI collected in Cycle 3 or 4.



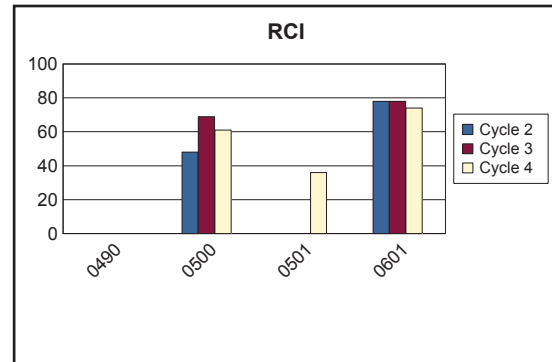
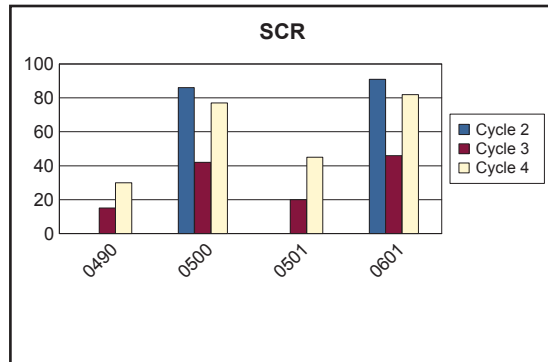
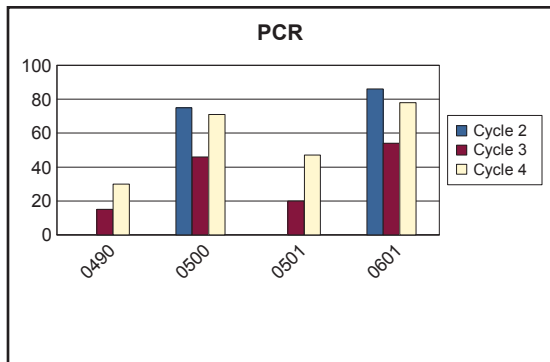
GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			COMMENT	
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		
0448CZ	0.10	0.00	0.10	N/A	3	74	+2367%	N/A	3	79	+2533%	N/A	N/A	30	N/A	Route was 0448C in Cycle 3. No RCI collected in Cycle 3.
0449	0.24	0.00	0.24	N/A	44	78	+77%	N/A	44	78	+77%	N/A	N/A	N/A	N/A	
0450	0.35	0.00	0.35	N/A	16	42	+162%	N/A	16	42	+162%	N/A	42	62	+48%	
0451	0.62	0.00	0.62	N/A	27	39	+44%	N/A	27	43	+59%	N/A	41	36	-12%	
0488	0.05	0.00	0.05	N/A	55	94	+71%	N/A	55	94	+71%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.
0489	0.20	0.00	0.20	N/A	4	9	+125%	N/A	4	9	+125%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.



GRCA CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)			PERCENT CHANGE	SURFACE CONDITION RATING (SCR)			PERCENT CHANGE	ROUGHNESS CONDITION INDEX (RCI)			COMMENT	
				CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		CYCLE 2	CYCLE 3	CYCLE 4		
0490	0.07	0.00	0.07	N/A	15	30	+100%	N/A	15	30	+100%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 or 4.
0500	1.32	0.00	1.32	75	46	71	+54%	86	42	77	+83%	48	69	61	-12%	
0501	0.31	0.00	0.31	N/A	20	47	+135%	N/A	20	45	+125%	N/A	N/A	36	N/A	No RCI collected in Cycle 3.
0601	0.62	0.00	0.62	86	54	78	+44%	91	46	82	+78%	78	78	74	-5%	

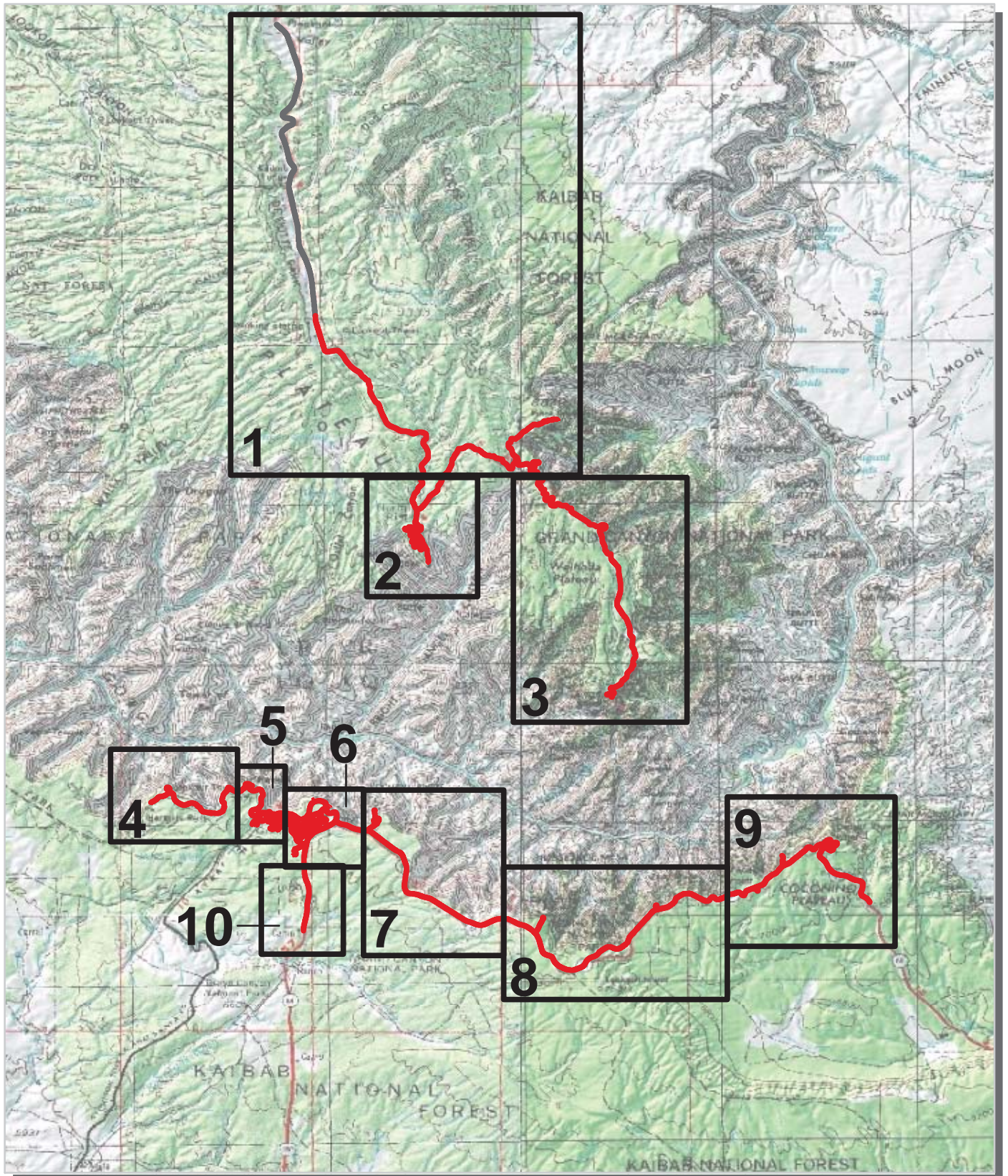


Grand Canyon National Park

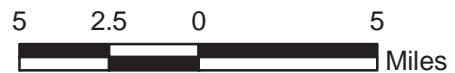


Section 3 **Park Route Location / Condition** **Maps**

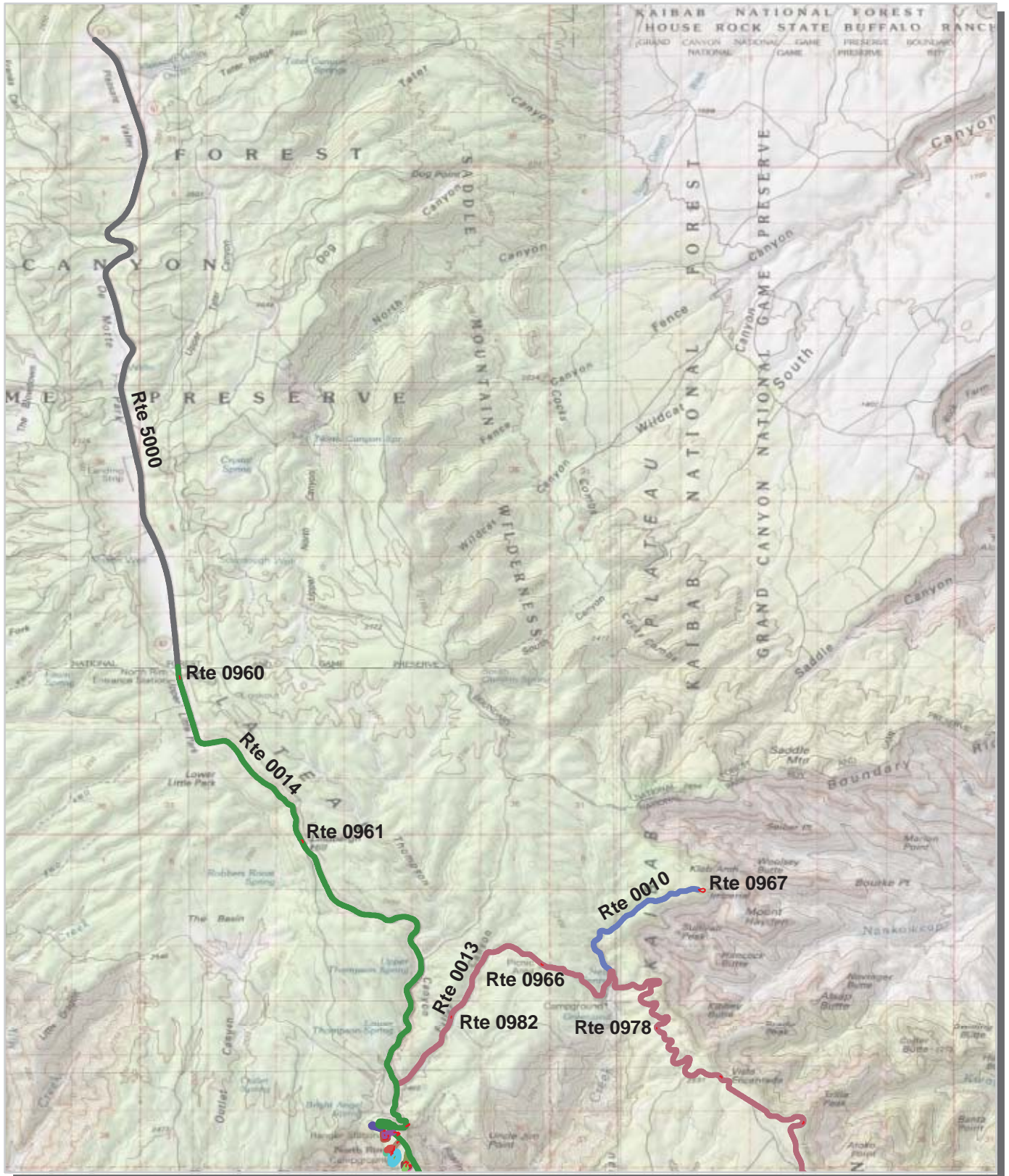
Grand Canyon National Park Route Location Map Key Map



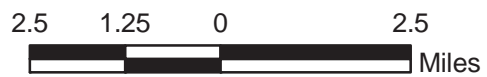
— Park Owned Routes



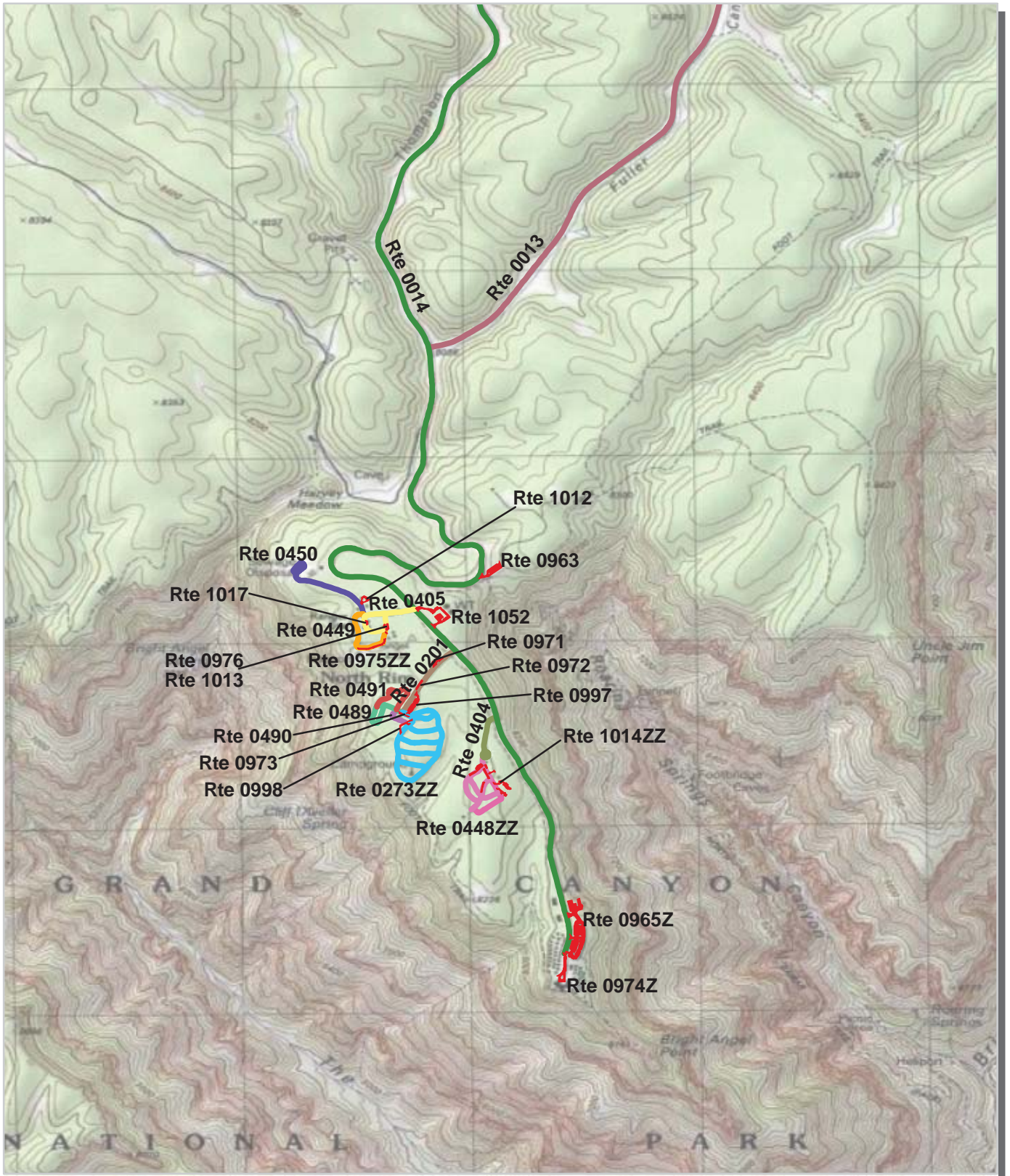
Grand Canyon National Park Route Location Map Area 1



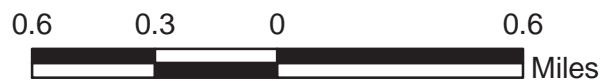
Unique colors used to differentiate routes



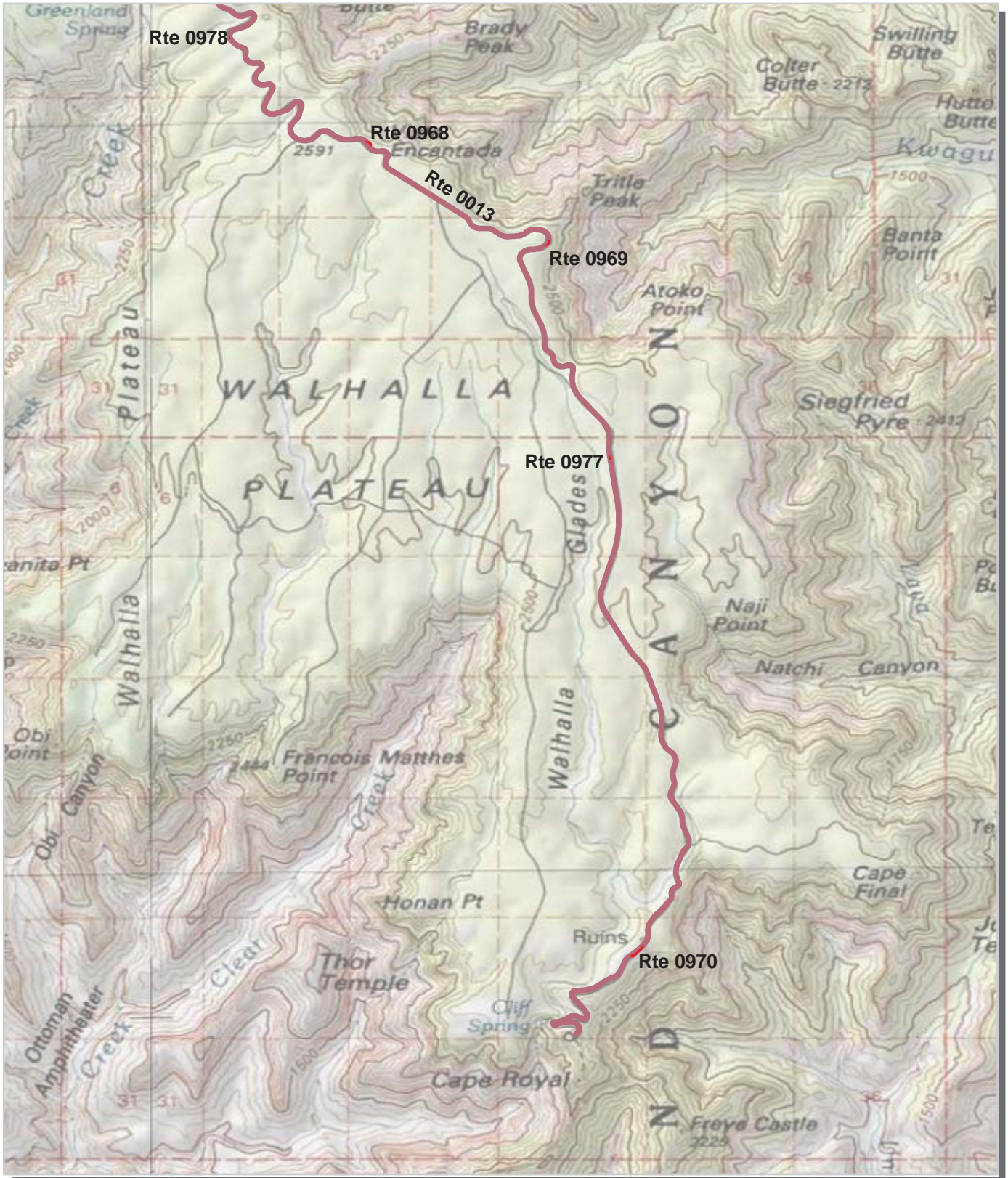
Grand Canyon National Park Route Location Map Area 2



Unique colors used to differentiate routes



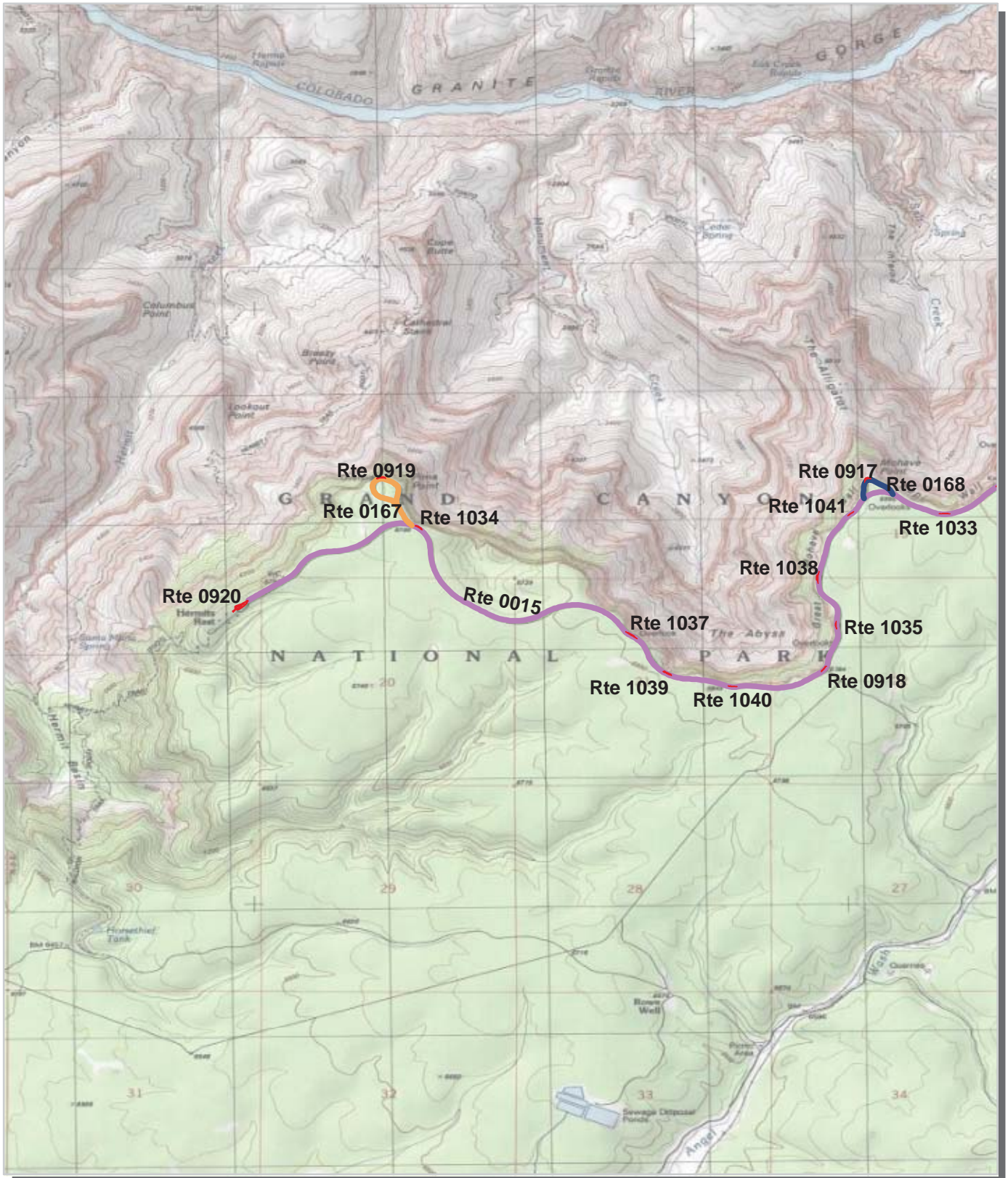
Grand Canyon National Park Route Location Map Area 3



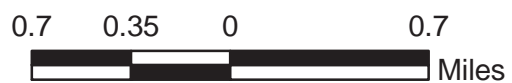
Unique colors used to differentiate routes



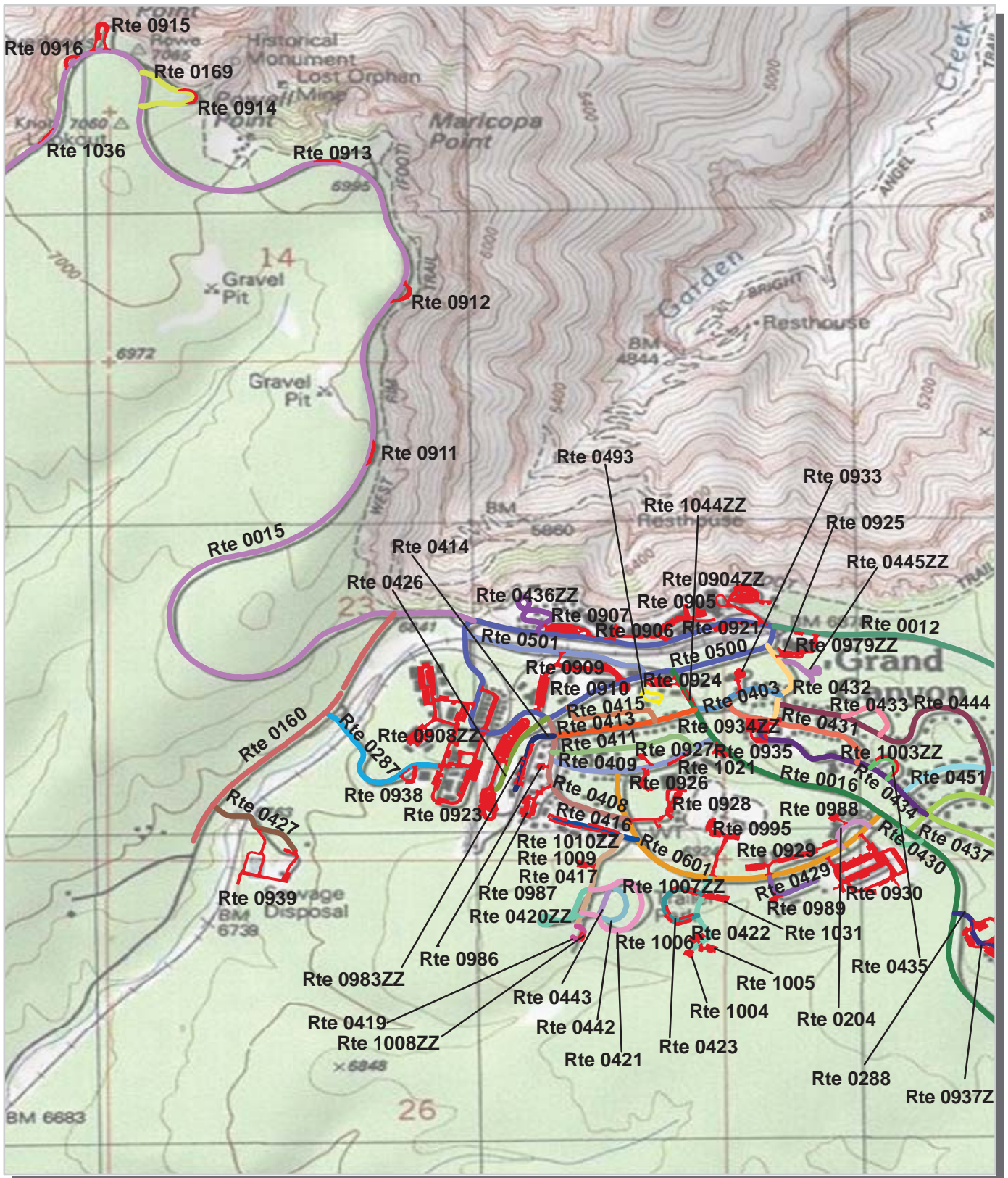
Grand Canyon National Park Route Location Map Area 4



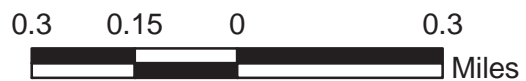
Unique colors used to differentiate routes



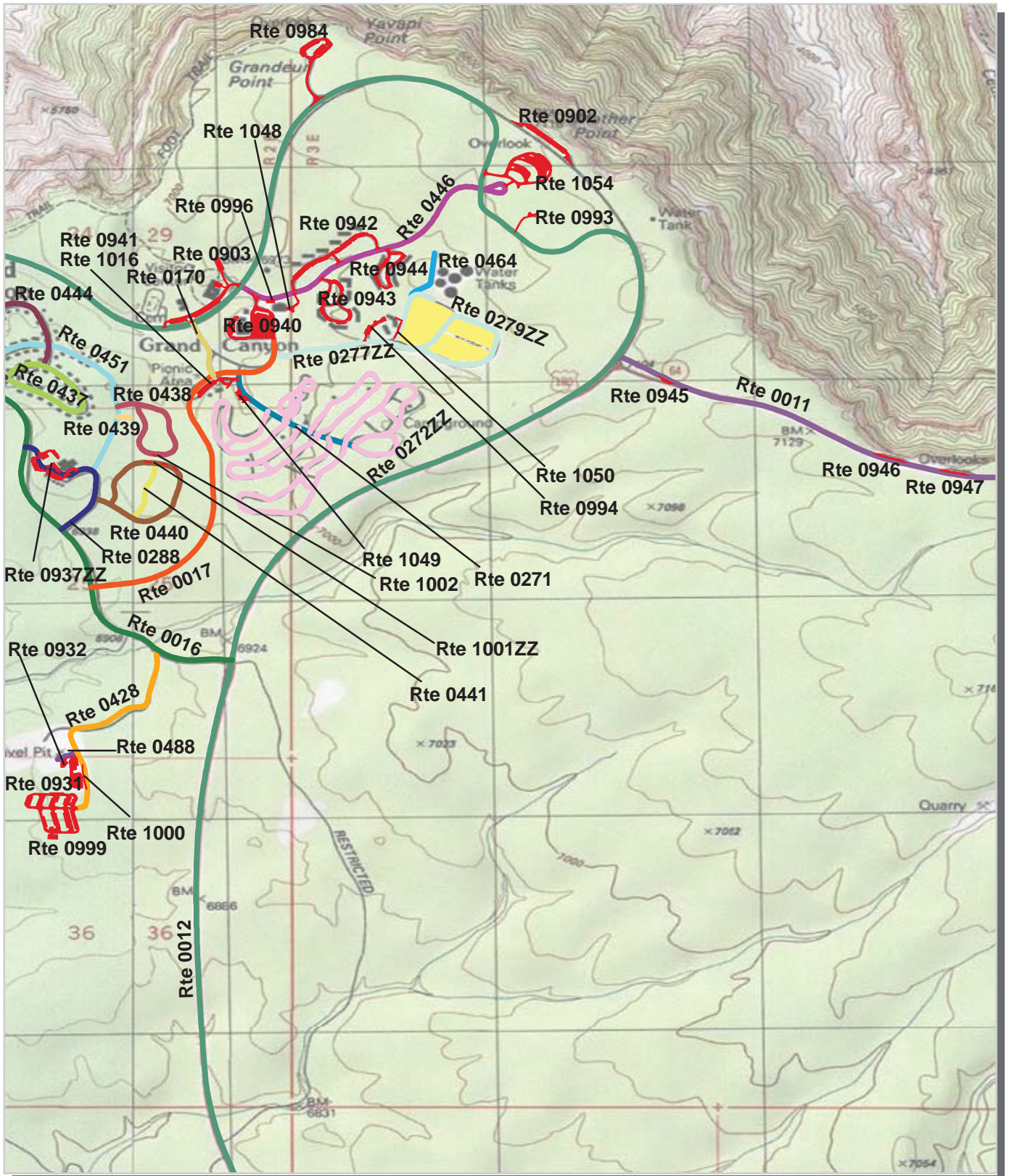
Grand Canyon National Park Route Location Map Area 5



Unique colors used to differentiate routes



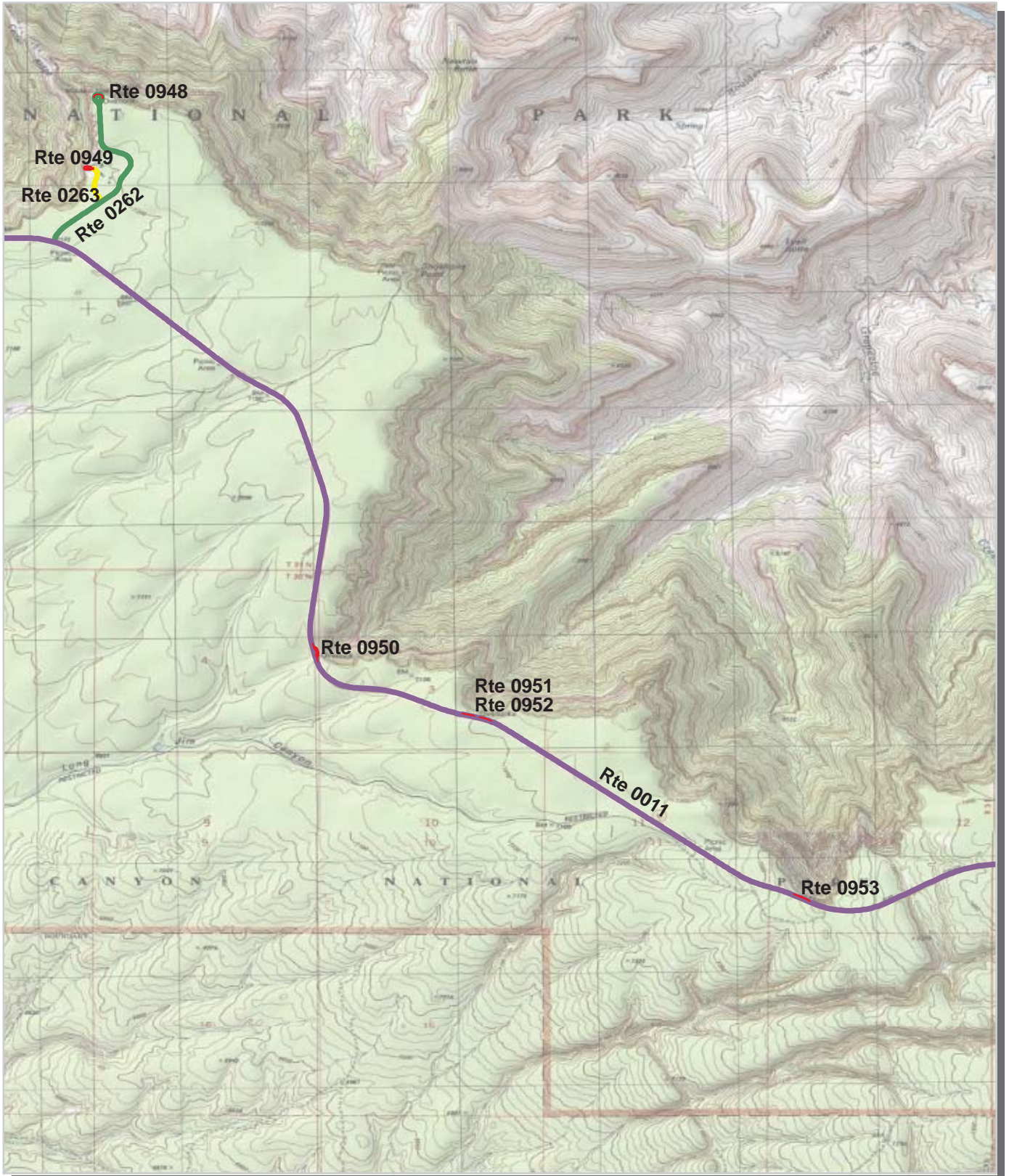
Grand Canyon National Park Route Location Map Area 6



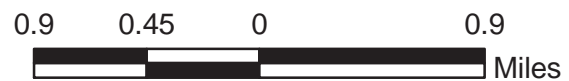
Unique colors used to differentiate routes



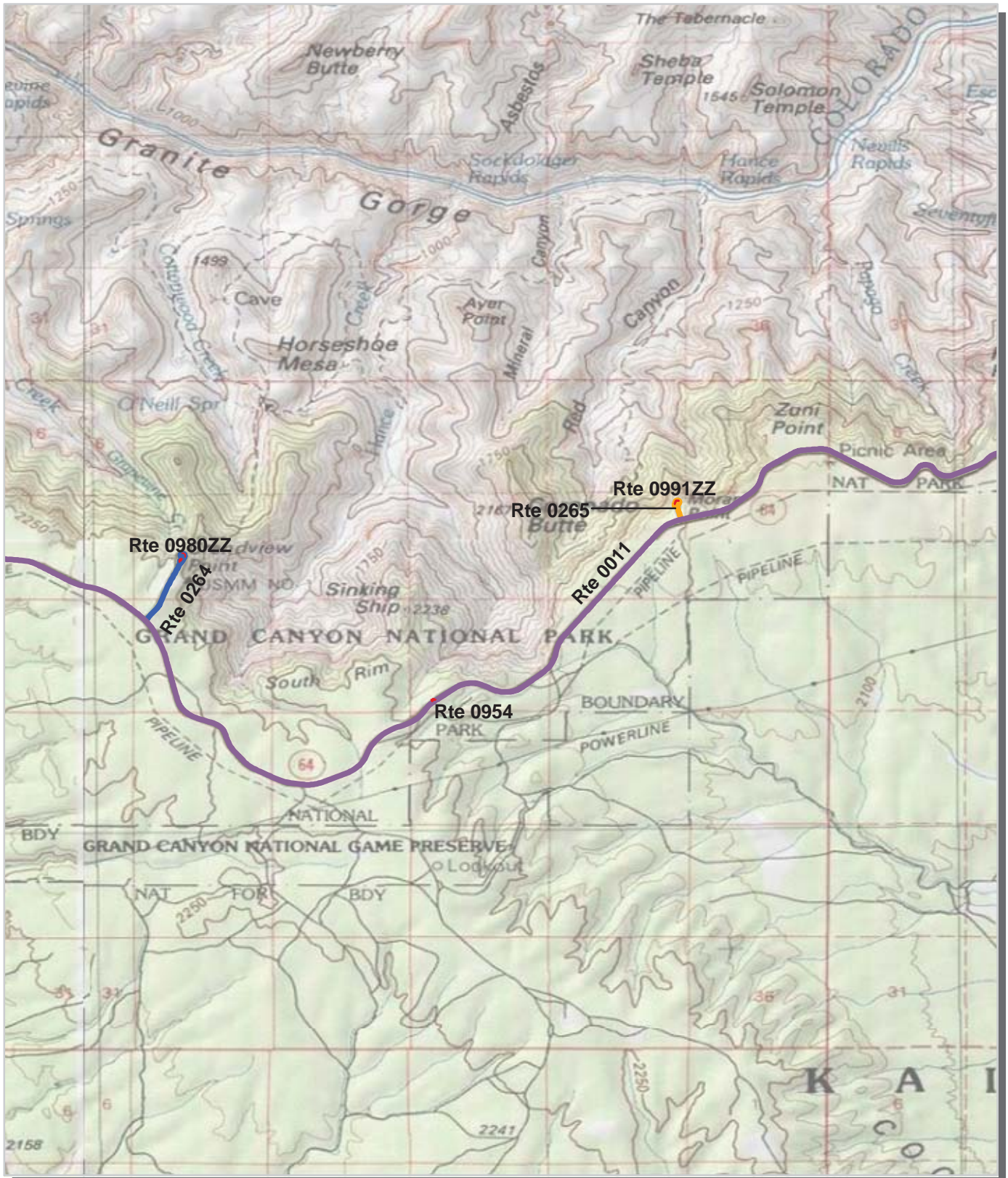
Grand Canyon National Park Route Location Map Area 7



Unique colors used to differentiate routes



Grand Canyon National Park Route Location Map Area 8



Unique colors used to differentiate routes



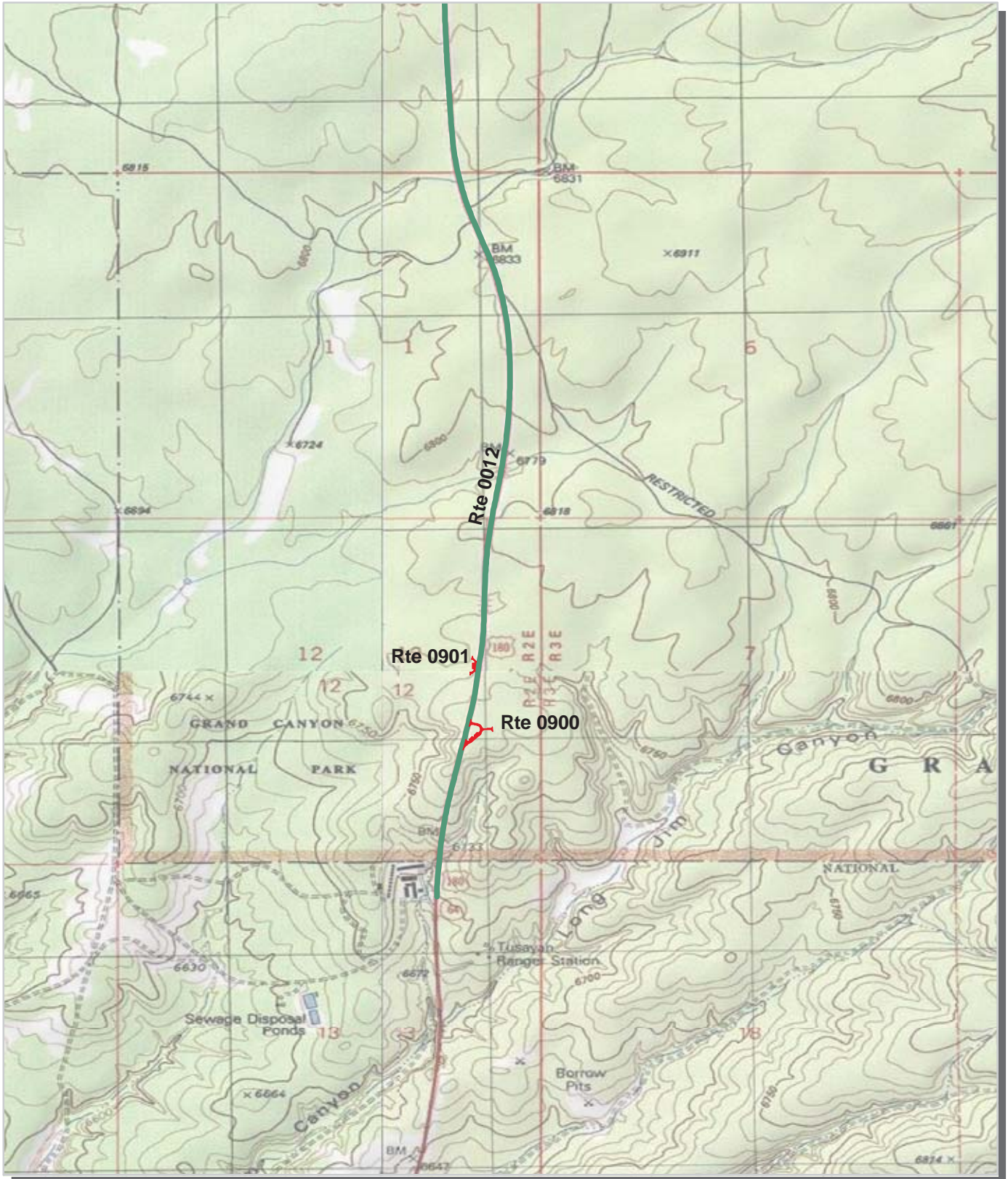
Grand Canyon National Park Route Location Map Area 9



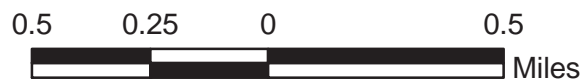
Unique colors used to differentiate routes



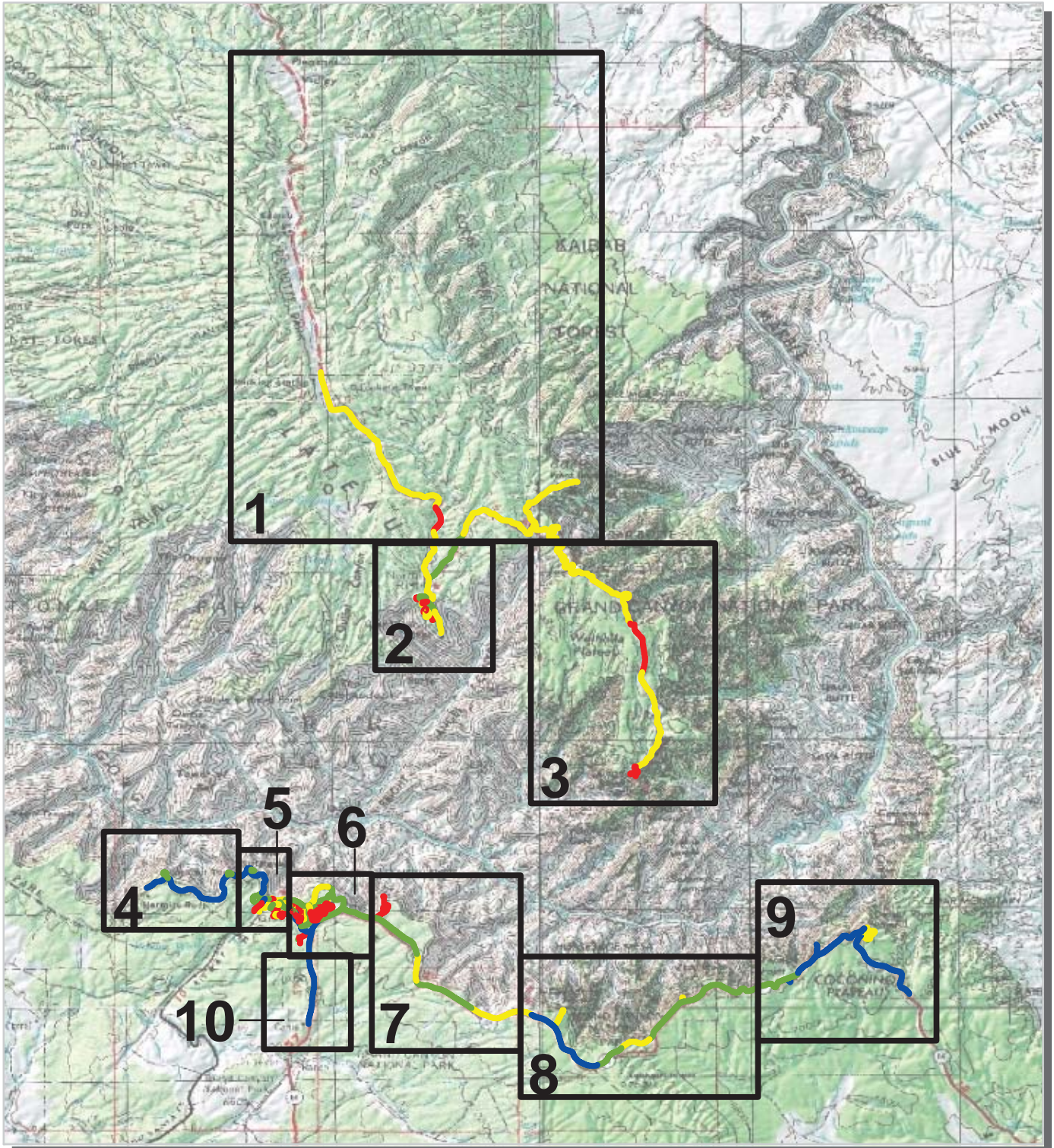
Grand Canyon National Park Route Location Map Area 10



Unique colors used to differentiate routes



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

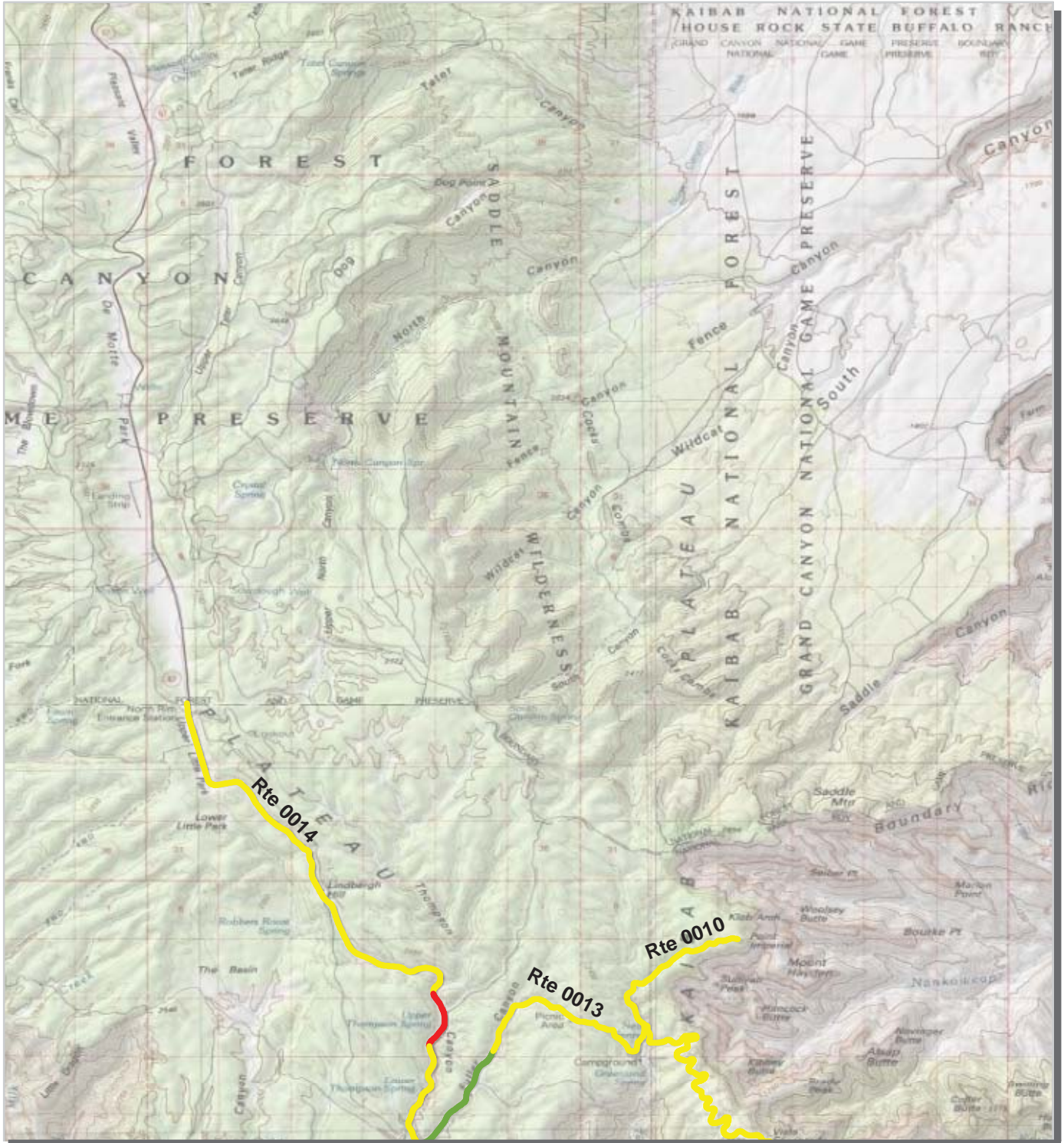


PCR	Poor (≤ 60)	Fair (61 - 84)	Good (85 - 94)	Excellent (95 - 100)	No Data

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

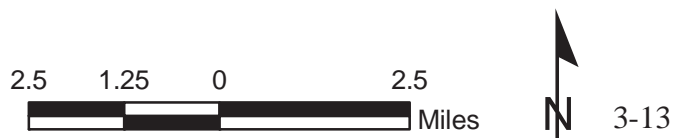


Grand Canyon National Park Route Condition Map PCR - Mile by Mile Area 1

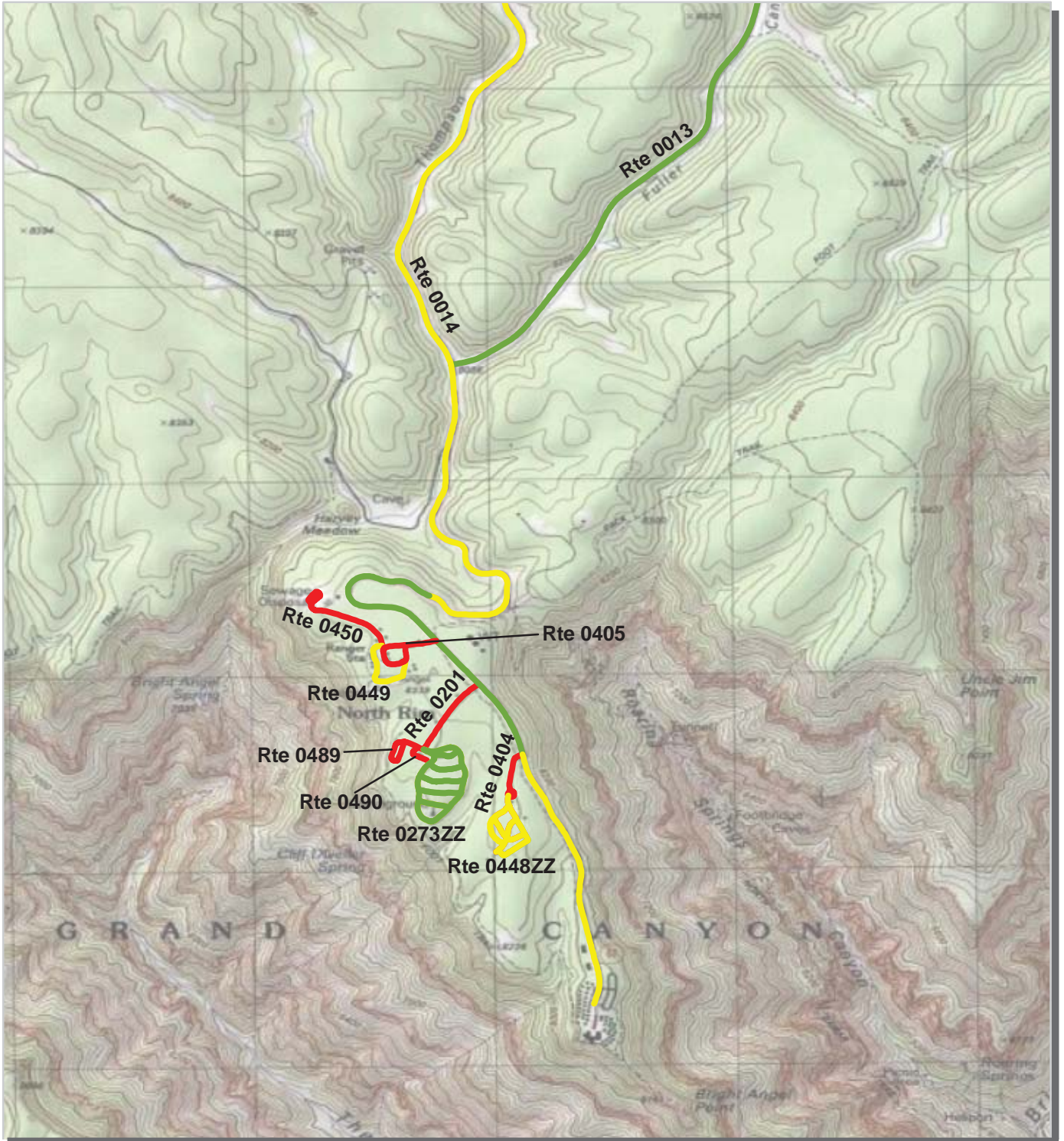


PCR	Poor	Fair	Good	Excellent	No Data
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)	

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



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

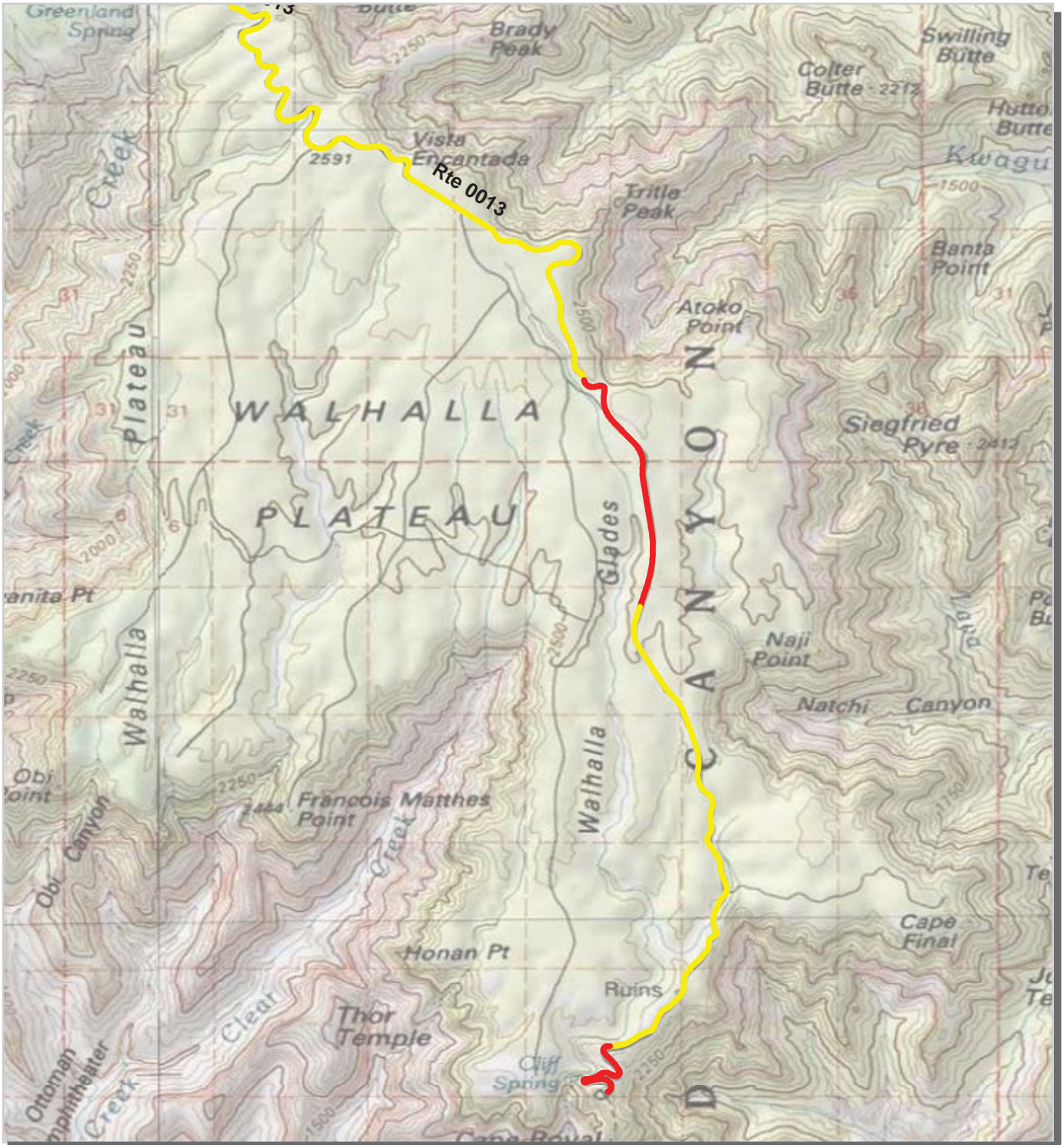


PCR	Poor		Fair		Good		Excellent		No Data	
	(<=60)		(61 - 84)	(85 - 94)	(95 - 100)					

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



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



PCR	Poor	Fair	Good	Excellent	No Data
	■	■	■	■	■
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)	

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



Grand Canyon National Park Route Condition Map PCR - Mile by Mile Area 4

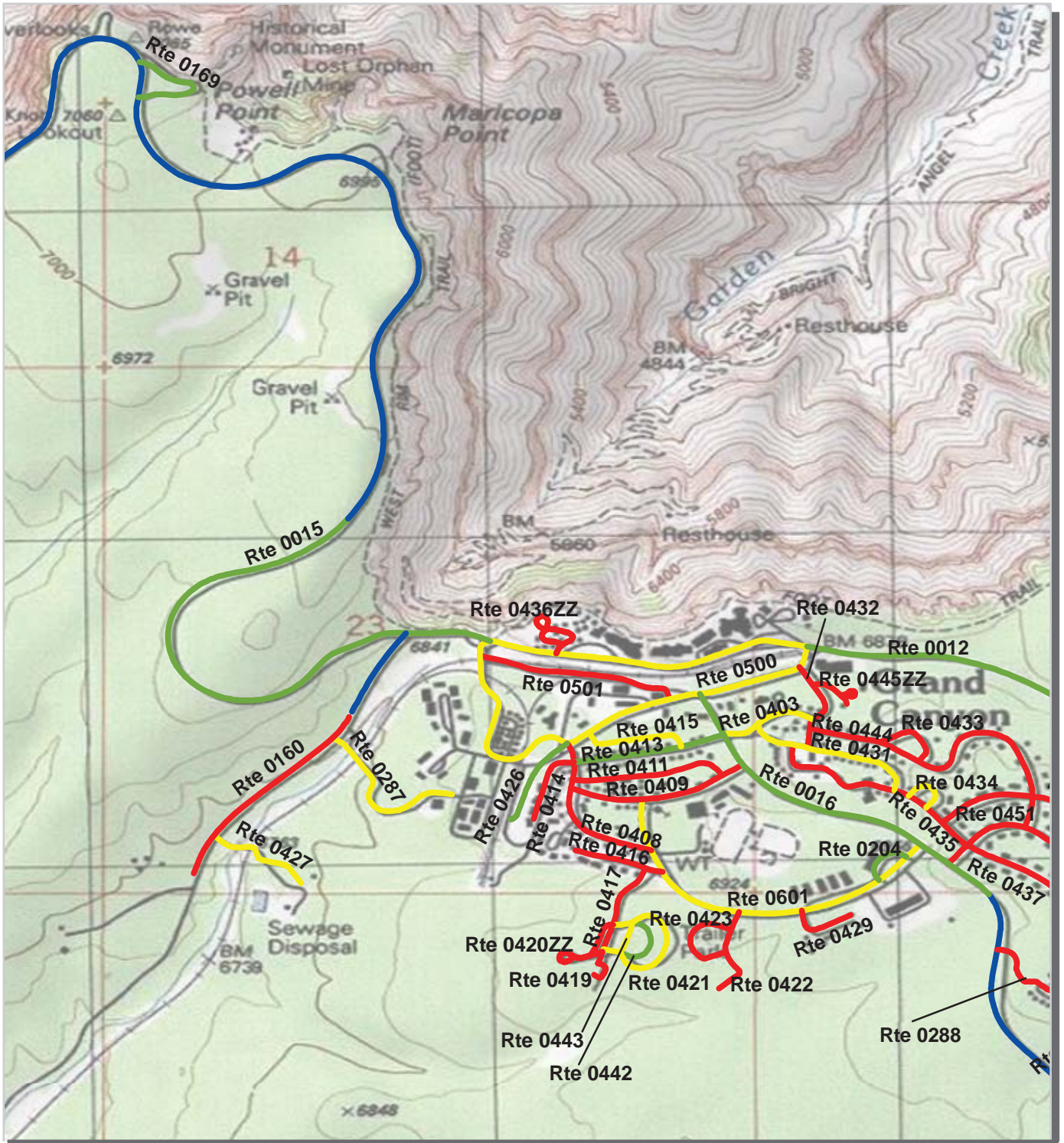


PCR	Poor		Fair		Good		Excellent		No Data	
	(<=60)		(61 - 84)	(85 - 94)	(95 - 100)					

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



Grand Canyon National Park Route Condition Map PCR - Mile by Mile Area 5

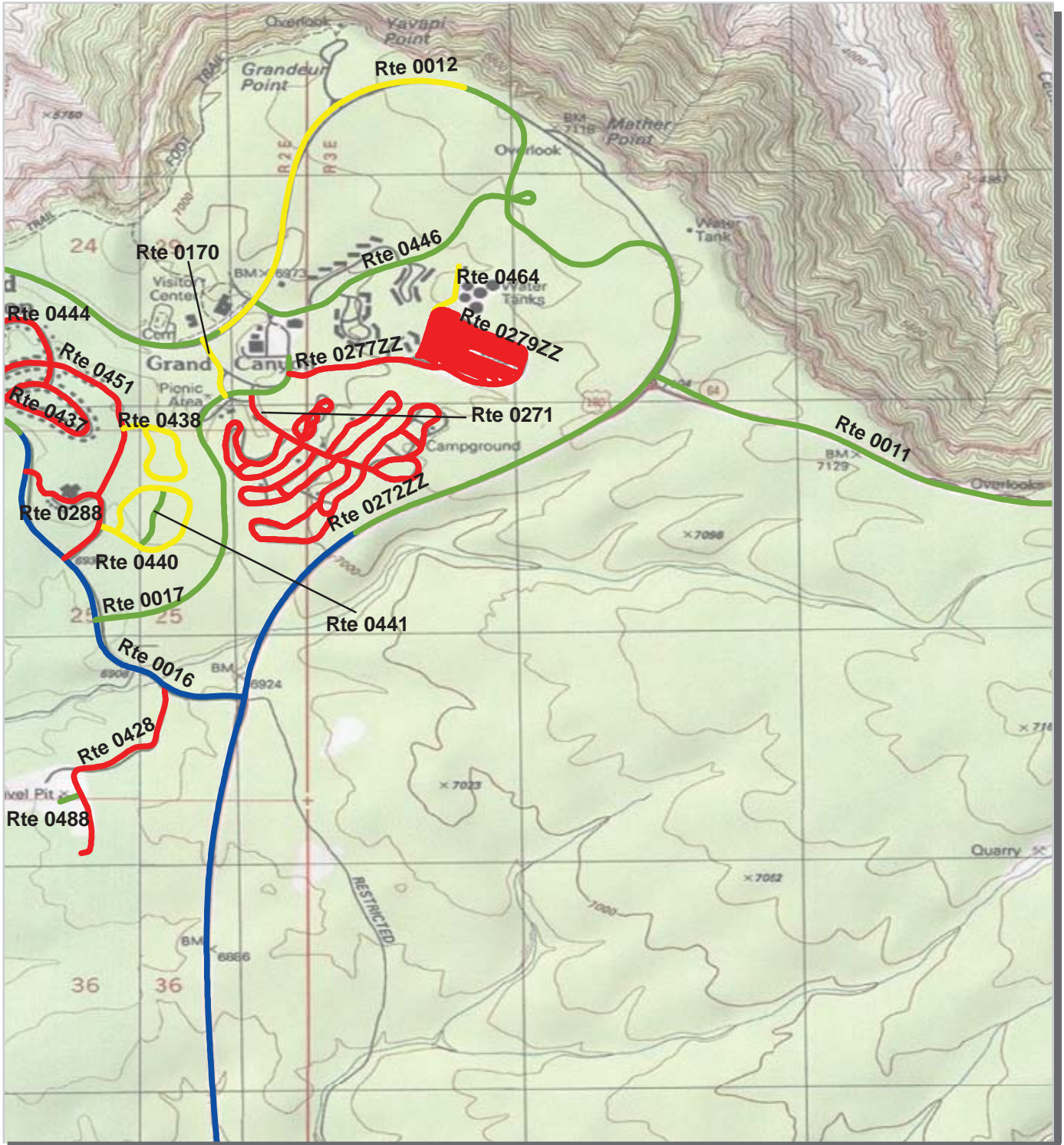


PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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



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

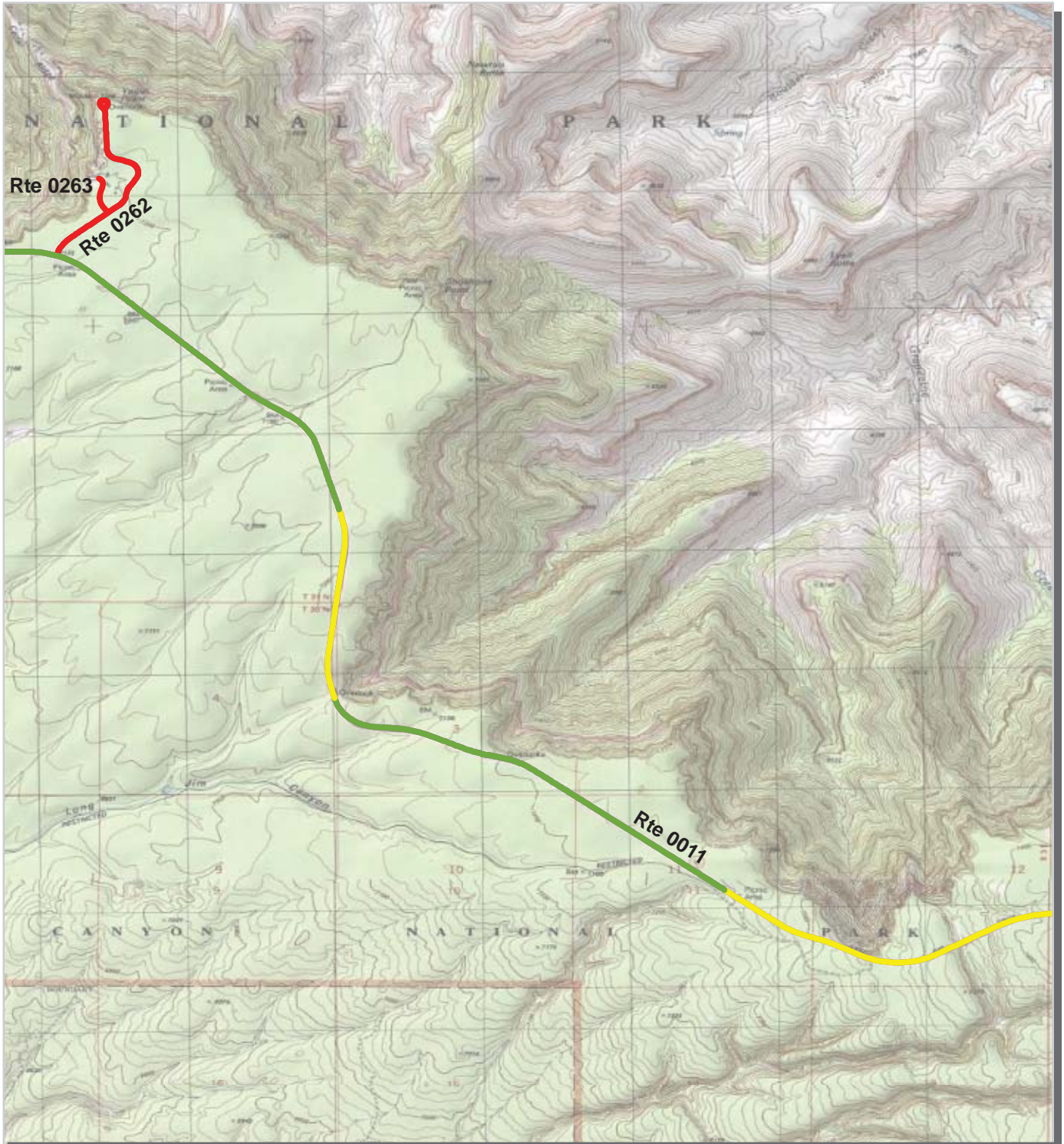


PCR	Poor	■	Fair	■	Good	■	Excellent	■	No Data	■
	(<=60)		(61 - 84)	(85 - 94)	(95 - 100)					

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



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

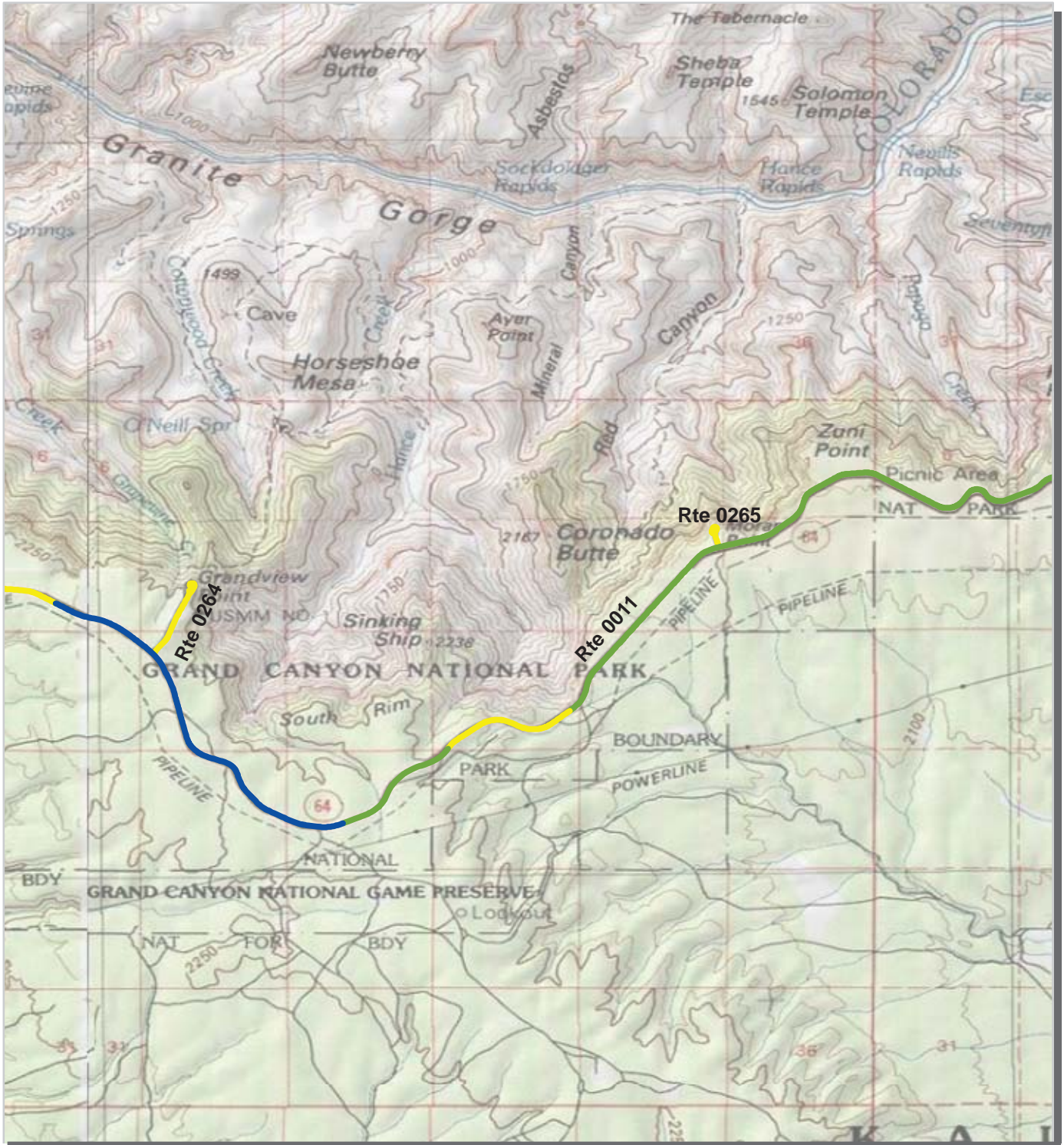


PCR	Poor		Fair		Good		Excellent		No Data	
	(<=60)		(61 - 84)	(85 - 94)	(95 - 100)					

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



Grand Canyon National Park Route Condition Map PCR - Mile by Mile Area 8



PCR	Poor	Fair	Good	Excellent	No Data
	■	■	■	■	■
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)	

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



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



PCR	Poor		Fair		Good		Excellent		No Data	
	(<=60)		(61 - 84)	(85 - 94)	(95 - 100)					

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



Grand Canyon National Park Route Condition Map PCR - Mile by Mile Area 10



PCR	Poor		Fair		Good		Excellent		No Data	
	(<=60)		(61 - 84)	(85 - 94)	(95 - 100)					

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



Grand Canyon National Park



Section 4 **Park Route Inventory**

NPS/RIP Route ID Report

Road Inventory Program 10/27/2010

(Numerical By Route #)

Page 1 of 19

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

■ = Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0010	56125		POINT IMPERIAL ROAD	FROM ROUTE 0013 (CAPE ROYAL ROAD) AT MP 5.43 ON LEFT	TO ROUTE 0967 (POINT IMPERIAL PARKING)	NORTH RIM	2.650	0.000	2.650	1		0	AS	1
0011	51500		DESERT VIEW DRIVE	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD)	TO EAST PARK BOUNDARY	SOUTH RIM	24.850	0.000	24.850	1		0	AS	6,7,8,9
0012	56511		SOUTH ENTRANCE ROAD	FROM PAVEMENT CHANGE AND MOQUI DRIVE (ON THE LEFT)	TO ROUTE 0500 (VILLAGE LOOP DRIVE)	SOUTH RIM	7.800	0.000	7.800	1		0	AS	5,6,10
0013	56512		CAPE ROYAL ROAD	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 9.86 ON LEFT	TO ROUTE 1015 (CAPE ROYAL PARKING)	NORTH RIM	19.830	0.000	19.830	1		0	AS	1,2,3
0014	56513		NORTH ENTRANCE ROAD (HWY 67)	FROM NORTH PARK BOUNDARY (PAVEMENT CHANGE AT PARK SIGN, THE END OF ROUTE 5000 (STATE ROUTE 67))	TO ROUTE 0974Z (GRAND CANYON LODGE PARKING)	NORTH RIM	12.840	0.000	12.840	1		0	AS	1,2
0015	56514		HERMIT REST ROAD	FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.52 ON RIGHT	TO ROUTE 0920 (HERMIT'S REST PARKING)	SOUTH RIM	7.040	0.000	7.040	1		0	AS	4,5
0016	56515		CENTER ROAD	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 3.47 ON LEFT	TO ROUTE 0500 (VILLAGE LOOP DRIVE)	SOUTH RIM	1.610	0.000	1.610	1		0	AS	5,6
0017	90373		MARKET PLAZA ROAD	FROM ROUTE 0016 (CENTER ROAD) AT MP 0.43	TO ROUTE 0940 (BUSINESS CENTER PARKING)	SOUTH RIM	1.040	0.000	1.040	1		0	AS	6
0100	79659		KANABOWNITS ROAD (W4)	FROM NORTH PARK BOUNDARY PAST KANABAWNITS	TO ROUTE 0293 (POINT SUBLIME ROAD (W1))	NORTH RIM	0.000	0.000	0.000	2		0	NV	
0101	56516		SWAMP POINT ROAD (W4)	FROM ROUTE 0100 (KANABOWNITS ROAD (W4)) AT MP 0.50	TO END OF SWAMP POINT	NORTH RIM	0.000	7.860	7.860	2		0	NV	
0102	56517		FIRE POINT ROAD (FS 223)	FROM WEST PARK BOUNDARY	TO FIRE POINT (LOCATED NORTH OF ROUTE 0101 (SWAMP POINT ROAD (W4)))	NORTH RIM	0.000	0.970	0.970	2		0	NV	
0150	114698		TOROWEAP VALLEY ROAD	FROM NORTH PARK BOUNDARY	TO VISITORS CENTER	NORTH RIM	0.000	1.000	1.000	2		0	NV	
0151	114699		TOROWEAP POINT ROAD	FROM ROUTE 0150 (TOROWEAP VALLEY ROAD)	TO PARKING AREA	NORTH RIM	0.000	9.180	9.180	1		0	GR	
0160	56522		ROWE WELL ROAD	FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 0.13 ON LEFT	TO PARK BOUNDARY	SOUTH RIM	0.560	3.630	4.190	1		0	AS	5

NPS/RIP Route ID Report

Road Inventory Program 10/27/2010

(Numerical By Route #)

Page 2 of 19

Shading Color Key:

Red text denotes
approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

 = Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description		Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
				From	To									
0161	56523		PASTURE WASH ROAD	FROM ROUTE 0160 (ROWE WELL ROAD)	TO PASTURE WASH RANGER STATION	SOUTH RIM	0.000	15.330	15.330	1		0	GR	
0162	56524		BASS TRAIL ROAD	FROM ROUTE 0161 (PASTURE WASH ROAD)	TO TRAILHEAD	SOUTH RIM	0.000	3.640	3.640	1		0	GR	
0164	114697		WEST RIM DRIVE CONNECTOR TO ROUTE 161	FROM ROUTE 0015 (HERMIT REST ROAD)	TO ROUTE 0161 (PASTURE WASH ROAD)	SOUTH RIM	0.000	1.580	1.580	1		0	GR	
0166	56527		GRANDVIEW ENTRANCE ROAD	FROM ROUTE 0011 (DESERT VIEW DRIVE)	TO SOUTH PARK BOUNDARY	SOUTH RIM	0.000	0.600	0.600	1		0	GR	
0167	90433		PIMA POINT ROAD	FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 6.26 ON RIGHT	TO END OF LOOP	SOUTH RIM	0.470	0.000	0.470	2		0	AS	4
0168	90434		MOHAVE POINT ROAD	FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 3.09	TO ROUTE 0015 (HERMIT REST ROAD) AT MP 3.22	SOUTH RIM	0.220	0.000	0.220	2		0	AS	4
0169	90435		POWELL MEMORIAL ROAD	FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 2.22	TO ROUTE 0015 (HERMIT REST ROAD) AT MP 2.29	SOUTH RIM	0.190	0.000	0.190	2		0	AS	5
0170	90374		ZUNI WAY	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD)	TO ROUTE 0017 (MARKET PLAZA ROAD)	SOUTH RIM	0.150	0.000	0.150	2		0	AS	6
0171	104056		DESERT VIEW GAS STATION ACCESS ROAD	FROM ROUTE 0172 (DESERT VIEW ACCESS ROAD)	TO END OF LOOP	SOUTH RIM	0.350	0.000	0.350	1		0	AS	9
0172	103961		DESERT VIEW ACCESS ROAD	FROM ROUTE 0011 (DESERT VIEW DRIVE)	TO ROUTE 1026 (DESERT VIEW VISITOR PARKING)	SOUTH RIM	0.210	0.000	0.210	3		0	AS	9
0200	114696		WIDFORSS TRAILHEAD ROAD	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))	TO ROUTE 0293 (POINT SUBLIME ROAD (W1))	NORTH RIM	0.000	0.730	0.730	2		0	GR	
0201	56530		NORTH RIM CAMPGROUND ROAD	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 11.74 ON RIGHT	TO INTERSECTION OF ROUTES 0273ZZ (NORTH RIM CAMPGROUND ROADS) AND 0489 (INN CABIN LOOP)	NORTH RIM	0.260	0.000	0.260	3		0	AS	2
0204	56533		NPS ACADEMY LOOP ROAD	FROM ROUTE 0601 (ALBRIGHT AVENUE) AT MP 0.53	TO ROUTE 0601 (ALBRIGHT AVENUE) AT MP 0.59	SOUTH RIM	0.080	0.000	0.080	3		0	AS	5
0250	79801		TOROWEAP LAKE ROAD / LAVA FALLS TRAILHEAD	FROM INTERSECTION OF ROUTE 0150 (TOROWEAP VALLEY ROAD)	TO END	NORTH RIM	0.000	0.750	0.750	4		0	NV	
0251	114694		TUCKUP TRAIL ROAD	FROM INTERSECTION OF ROUTE 0151 (TOROWEAP POINT ROAD)	TO END	NORTH RIM	0.000	3.000	3.000	4		0	NV	
0262	56536		YAKI POINT ROAD	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 1.14 ON LEFT	TO END OF LOOP	SOUTH RIM	1.100	0.000	1.100	2		0	AS	7

NPS/RIP Route ID Report

Road Inventory Program 10/27/2010

(Numerical By Route #)

Page 3 of 19

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

■ = Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description		Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
				From	To									
0263	56537		KAIBAB TRAIL ACCESS ROAD	FROM ROUTE 0262 (YAKI POINT ROAD)	TO ROUTE 0949 (KAIBAB TRAIL SERVICE ROAD PARKING)	SOUTH RIM	0.200	0.000	0.200	2		0	AS	7
0264	59028		GRANDVIEW POINT ROAD	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 8.81	TO END OF LOOP	SOUTH RIM	0.770	0.000	0.770	2		0	AS	8
0265	56538		MORAN POINT ROAD	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 14.77	TO END OF LOOP	SOUTH RIM	0.250	0.000	0.250	2		0	AS	8
0266	56545		TUSAYAN RUIN ROAD	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 18.58	TO END OF LOOP	SOUTH RIM	0.270	0.000	0.270	2		0	AS	9
0267	56546		LIPAN POINT ROAD	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 19.89 ON LEFT	TO ROUTE 0981 (LIPAN POINT PARKING)	SOUTH RIM	0.440	0.000	0.440	2		0	AS	9
0270	56724		DESERT VIEW CAMPGROUND	FROM ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)	TO END OF LOOP	SOUTH RIM	0.640	0.000	0.640	3		0	AS	9
0271	56547		MATHER CAMPGROUND ACCESS ROAD	FROM ROUTE 0017 (MARKET PLAZA ROAD)	TO ROUTE 0272ZZ (MATHER CAMPGROUND ROADS)	SOUTH RIM	0.370	0.000	0.370	3		0	AS	6
0272ZZ	56549		MATHER CAMPGROUND ROADS	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)	THROUGH CAMPGROUND LOOPS	SOUTH RIM	3.530	0.000	3.530	3		0	AS	6
0273ZZ	98941		NORTH RIM CAMPGROUND ROADS	FROM INTERSECTION OF ROUTES 0201 (NORTH RIM CAMPGROUND ROAD) AND 0489 (INN CABIN LOOP)	THROUGH CAMPGROUND	NORTH RIM	1.080	0.000	1.080	3		0	AS	2
0277ZZ	56550		TRAILER VILLAGE OUTER LOOP ROADS	FROM ROUTE 0017 (MARKET PLAZA ROAD)	AROUND OUTER LOOPS	SOUTH RIM	1.030	0.000	1.030	3		0	AS	6
0279ZZ	102247		TRAILER VILLAGE ROADS	FROM 0277ZZ (TRAILER VILLAGE OUTER LOOP ROADS)	THROUGH INTERIOR TRAILER ROADS	SOUTH RIM	2.190	0.000	2.190	3		0	AS	6
0287	56551		ROUTE 0160 ACCESS ROAD	FROM ROUTE 0160 (ROWE WELL ROAD)	TO ROUTE 0908EZ (MASWICK STANDARD PARKING E)	SOUTH RIM	0.290	0.000	0.290	2		0	AS	5
0288	56552		CLINIC ACCESS ROAD	FROM ROUTE 0016 (CENTER ROAD) AT MP 0.62	TO ROUTE 0016 (CENTER ROAD) AT MP 0.89	SOUTH RIM	0.410	0.000	0.410	3		0	AS	5,6
0291	90437		KANABOWNITS CABIN ROAD	FROM ROUTE 0100 (KANABOWNITS ROAD (W4)), SOUTHWEST	TO END	NORTH RIM	0.000	0.400	0.400	4		0	NV	
0292	90438		KANABOWNITS TOWER ROAD	FROM ROUTE 0100 (KANABOWNITS ROAD (W4)), NORTHEAST	TO END	NORTH RIM	0.000	0.100	0.100	4		0	NV	

NPS/RIP Route ID Report

Road Inventory Program 10/27/2010

(Numerical By Route #)

Page 4 of 19

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

■ = Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0293	79656		POINT SUBLIME ROAD (W1)	FROM ROUTE 0200 (WIDFORSS TRAILHEAD ROAD) TO POINT SUBLIME (W1)	NORTH RIM	0.000	0.000	0.000	4		0	NV	
0294	79689		RANGE ROAD (W1A)	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 4.21 ON RIGHT TO ROUTE 0293 (POINT SUBLIME ROAD (W1))	NORTH RIM	0.000	0.000	0.000	4		0	NV	
0295	115183		TIPOVER SPRINGS ROAD	FROM ROUTE 0100 (KANABOWNITS ROAD (W4)) TO END AT TIPOVER SPRING	NORTH RIM	0.000	0.000	0.000	6		0	NV	
0296	79802		T-8 TOROWEAP CAMPGROUND ROAD	FROM ROUTE 0151 (TOROWEAP POINT ROAD) TO DEAD END	NORTH RIM	0.000	0.600	0.600	4		0	NV	
0297	79804		KANAB POINT ROAD	FROM BLM 1058 TO DEAD END	NORTH RIM	0.000	4.400	4.400	4		0	NV	
0298	79806		SB POINT ROAD	FROM ROUTE 0299 (150 MILE CANYON ROAD) TO OVERLOOK	NORTH RIM	0.000	7.700	7.700	4		0	NV	
0299	79819		150 MILE CANYON ROAD	FROM BLM 1057 TO TRAILHEAD	NORTH RIM	0.000	5.900	5.900	4		0	NV	
0300	79821		TUCKUP CANYON ROAD	FROM BLM 1057 TO TRAILHEAD	NORTH RIM	0.000	8.400	8.400	4		0	NV	
0400	114701		MARBLE FLATS SERVICE ROAD	FROM ROUTE 0294 (RANGE ROAD (W1A)) TO LANDFILL	NORTH RIM	0.000	1.520	1.520	6		0	NV	
0401	77464		SERVICE ROAD TO LANDFILL	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD) TO END	SOUTH RIM	0.000	1.300	1.300	5		0	GR	
0402	77469		SERVICE ROAD TO SUPAI CAMP	FROM ROUTE 0160 (ROWE WELL ROAD) TO ROUTE 0160 (ROWE WELL ROAD)	SOUTH RIM	0.000	0.200	0.200	5		0	GR	
0403	56556		TONTO STREET	FROM ROUTE 0016 (CENTER ROAD) AT MP 1.53 ON RIGHT TO ROUTE 0432 (NAVAJO STREET)	SOUTH RIM	0.150	0.000	0.150	5		0	AS	5
0404	56557		AUTO SHOP ROAD	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 12.00 ON RIGHT TO END OF LOOP	NORTH RIM	0.180	0.000	0.180	5		0	AS	2
0405	56559		ADMIN LOOP	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 11.56 ON RIGHT TO END OF LOOP	NORTH RIM	0.280	0.000	0.280	5		0	AS	2
0406	90440		MULE CORRAL & MAINTENANCE AREA	FROM ROUTE 0963 (KAIBAB TRAILHEAD PARKING) TO CORRAL	NORTH RIM	0.000	0.610	0.610	6		0	NV	
0407	90441		LINDBERG HILL MAINTENANCE AREA	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) TO LINDBERG HILL FIRE CAMP	NORTH RIM	0.000	0.190	0.190	6		0	NV	
0408	56560		COCONINO ROAD	FROM INTERSECTION OF ROUTES 0500 (VILLAGE LOOP DRIVE) AND 0426 (MASWICK TRANSPORTATION CENTER ROAD) TO ROUTE 0601 (ALBRIGHT AVENUE)	SOUTH RIM	0.280	0.000	0.280	5		0	AS	5

NPS/RIP Route ID Report

Shading Color Key:
Red text denotes approx. mileage

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

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description		Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
				From	To									
0409	56561		BOULDER STREET	FROM ROUTE 0408 (COCONINO ROAD)	TO ROUTE 0016 (CENTER ROAD)	SOUTH RIM	0.280	0.000	0.280	5		0	AS	5
0410	110201		PIMA STREET	FROM END OF ROUTE 0417 (HUALAPAI ROAD)	TO ROUTE 0420ZZ (MATHER STREET AREA)	SOUTH RIM	0.000	0.050	0.050	5		0	GR	
0411	56563		BOULDER ALLEY	FROM ROUTE 0408 (COCONINO ROAD) AT MP 0.07 ON LEFT	TO ROUTE 0409 (BOULDER STREET)	SOUTH RIM	0.240	0.000	0.240	5		0	AS	5
0413	56565		APACHE STREET	FROM ROUTE 0016 (CENTER ROAD) AT MP 1.53 ON LEFT	TO INTERSECTION OF ROUTES 0408 (COCONINO ROAD) AND 0414 (APACHE WEST)	SOUTH RIM	0.230	0.000	0.230	5		0	AS	5
0414	56567		APACHE WEST	FROM INTERSECTION OF ROUTES 0408 (COCONINO ROAD) AND 0413 (APACHE STREET)	TO DEAD END	SOUTH RIM	0.140	0.070	0.210	5		0	AS	5
0415	56568		APACHE ALLEY	FROM ROUTE 0413 (APACHE STREET)	TO ROUTE 0500 (VILLAGE LOOP DRIVE)	SOUTH RIM	0.160	0.000	0.160	5		0	AS	5
0416	56569		MUAV COURT	FROM ROUTE 0601 (ALBRIGHT AVENUE)	TO ROUTE 1010ZZ (MUAV COURT PARKING AREAS)	SOUTH RIM	0.140	0.000	0.140	5		0	AS	5
0417	56570		HUALAPAI ROAD	FROM ROUTE 0416 (MUAV COURT)	TO INTERSECTION OF ROUTES 0410 (PIMA STREET) AND 0419 (KOLB CIRCLE)	SOUTH RIM	0.200	0.000	0.200	5		0	AS	5
0419	56573		KOLB CIRCLE	FROM ROUTE 0410 (PIMA STREET)	TO INTERSECTION OF ROUTES 0417 (HUALAPAI ROAD) AND 0410 (PIMA STREET)	SOUTH RIM	0.040	0.000	0.040	5		0	AS	5
0420ZZ	56574		MATHER STREET AREA	FROM ROUTE 0417 (HUALAPAI ROAD)	THROUGH MATHER STREET AREA	SOUTH RIM	0.170	0.000	0.170	5		0	AS	5
0421	56576		POWELL AVENUE	FROM ROUTE 0417 (HUALAPAI ROAD) AT MP 0.12	TO ROUTE 0417 (HUALAPAI ROAD) AT MP 0.17	SOUTH RIM	0.260	0.000	0.260	5		0	AS	5
0422	56577		SOUTH MOHAVE STREET	FROM ROUTE 0601 (ALBRIGHT AVENUE)	TO ROUTE 1004 (MOHAVE SOUTH STREET PARKING)	SOUTH RIM	0.170	0.000	0.170	5		0	AS	5
0423	56578		MOHAVE COURT	FROM ROUTE 0422 (SOUTH MOHAVE STREET) AT MP 0.03	TO ROUTE 0422 (SOUTH MOHAVE STREET) AT MP 0.08	SOUTH RIM	0.160	0.000	0.160	5		0	AS	5
0426	56583		MASWICK TRANSPORTATION CENTER ROAD	FROM INTERSECTION OF ROUTES 0500 (VILLAGE LOOP DRIVE) AND 0408 (COCONINO ROAD)	TO ROUTE 0923 (MASWICK TRANSPORTATION CENTER PARKING)	SOUTH RIM	0.170	0.000	0.170	5		0	AS	5

NPS/RIP Route ID Report

Road Inventory Program 10/27/2010

(Numerical By Route #)

Page 6 of 19

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas	Green = All Unpaved Parking Areas
Grey = Paved Routes, ARAN not Driven	Black = Paved State, Local or Private non-NPS Routes, ARAN Driven		■ = Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description		Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
				From	To									
0427	56585		KENNELS ROAD	FROM ROUTE 0160 (ROWE WELL ROAD)	TO ROUTE 0939 (WASTEWATER TREATMENT AREA)	SOUTH RIM	0.170	0.000	0.170	5		0	AS	5
0428	56586		SHUTTLE BUS ROAD	FROM ROUTE 0016 (CENTER ROAD) AT MP 0.17 ON LEFT	TO ROUTE 0999 (NEW MAINTENANCE AREA)	SOUTH RIM	0.600	0.000	0.600	5		0	AS	6
0429	56587		NPS HOUSING ROAD	FROM ROUTE 0601 (ALBRIGHT AVENUE)	TO DEAD END	SOUTH RIM	0.110	0.000	0.110	5		0	AS	5
0430	56589		LAPP LOOP	FROM ROUTE 0016 (CENTER ROAD)	TO ROUTE 0016 (CENTER ROAD)	SOUTH RIM	0.070	0.000	0.070	5		9,240	AS	5
0431	56590		JUNIPER HILL	FROM ROUTE 0403 (TONTOSTREET) AT MP 0.06 ON RIGHT	TO ROUTE 0435 (SUNSET DRIVE)	SOUTH RIM	0.270	0.000	0.270	5		0	AS	5
0432	56591		NAVAJO STREET	FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 1.28 ON RIGHT	TO ROUTE 0431 (JUNIPER HILL)	SOUTH RIM	0.170	0.000	0.170	5		0	AS	5
0433	56593		TAPEATS CIRCLE	FROM ROUTE 0444 (KAIBAB STREET) AT MP 0.11	TO ROUTE 0444 (KAIBAB STREET) AT MP 0.18	SOUTH RIM	0.110	0.000	0.110	5		0	AS	5
0434	56594		HERMIT CIRCLE	FROM ROUTE 0435 (SUNSET DRIVE) AT MP 0.27	TO ROUTE 0435 (SUNSET DRIVE) AT MP 0.24	SOUTH RIM	0.080	0.000	0.080	5		0	AS	5
0435	56596		SUNSET DRIVE	FROM ROUTE 0431 (JUNIPER HILL) AT MP 0.27	TO ROUTE 0437 (PARK CIRCLE) AT MP 0.52	SOUTH RIM	0.360	0.000	0.360	5		0	AS	5
0436ZZ	56598		BRIGHT ANGEL LOOP ROADS	FROM ROUTE 0500 (VILLAGE LOOP DRIVE)	THROUGH BRIGHT ANGEL LOOPS	SOUTH RIM	0.190	0.000	0.190	5		0	AS	5
0437	56600		PARK CIRCLE	FROM ROUTE 0016 (CENTER ROAD) AT MP 1.09 ON RIGHT	TO END OF LOOP AT ROUTE 0437 (PARK CIRCLE) AND ROUTE 0435 (SUNSET DRIVE) INTERSECTION	SOUTH RIM	0.520	0.000	0.520	5		0	AS	5,6
0438	56601		BARRY HANCE CIRCLE	FROM ROUTE 0451 (HAVASUPAI ROAD) AT MP 0.42 ON LEFT	TO END OF LOOP	SOUTH RIM	0.450	0.000	0.450	5		0	AS	6
0439	56603		PONDEROSA STREET	FROM ROUTE 0451 (HAVASUPAI ROAD)	TO END OF ROUTE	SOUTH RIM	0.030	0.000	0.030	5		3,485	AS	6
0440	56604		RANDY THOMPSON CIRCLE	FROM ROUTE 0288 (CLINIC ACCESS ROAD)	TO END OF LOOP	SOUTH RIM	0.560	0.000	0.560	5		0	AS	6
0441	56605		BOB MANN STREET	FROM ROUTE 0440 (RANDY THOMPSON CIRCLE) AT MP 0.11	TO ROUTE 0440 (RANDY THOMPSON CIRCLE) AT MP 0.38	SOUTH RIM	0.170	0.000	0.170	5		0	AS	6
0442	56606		MORAN AVENUE	FROM INTERSECTION OF ROUTES 0421 (POWELL AVENUE) AT MP 0.23 AND 0443 (LIPAN STREET)	TO ROUTE 0421 (POWELL AVENUE) AT MP 0.04	SOUTH RIM	0.100	0.000	0.100	5		0	AS	5

NPS/RIP Route ID Report

Road Inventory Program 10/27/2010

(Numerical By Route #)

Page 7 of 19

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

■ = Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description		Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
				From	To									
0443	56607		LIPAN STREET	FROM INTERSECTION OF ROUTES 0421 (POWELL AVENUE) AT MP 0.03 AND 0442 (MORAN AVENUE)	TO ROUTE 0421 (POWELL AVENUE) AT MP 0.24	SOUTH RIM	0.060	0.000	0.060	5		0	AS	5
0444	56609		KAIBAB STREET	FROM ROUTE 0432 (NAVAJO STREET)	TO ROUTE 0437 (PARK CIRCLE)	SOUTH RIM	0.540	0.000	0.540	5		0	AS	5
0445ZZ	56610		NAVAJO RESIDENCE ROADS	FROM ROUTE 0432 (NAVAJO STREET)	THROUGH NAVAJO RESIDENCE ROADS	SOUTH RIM	0.110	0.000	0.110	5		0	AS	5
0446	56612		WEST SHUTTLE ACCESS ROAD	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD)	TO END OF LOOP	SOUTH RIM	0.820	0.000	0.820	5		0	AS	6
0447	56613		EAST SHUTTLE ACCESS ROAD	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD)	TO END OF LOOP	SOUTH RIM	0.240	0.000	0.240	5		0	AS	6
0448ZZ	58274		CONCESSIONAIRE ROADS	FROM ROUTE 0404 (AUTO SHOP ROAD)	THROUGH CONCESSION AREA	NORTH RIM	0.640	0.116	0.756	5		0	AS	2
0449	56615		NORTH RIM RESIDENCE LOOP	FROM ROUTE 0450 (WASTEWATER PLANT / HELIPAD ROAD)	TO ROUTE 0405 (ADMIN LOOP)	NORTH RIM	0.240	0.000	0.240	6		0	AS	2
0450	56616		WASTEWATER PLANT / HELIPAD ROAD	FROM ROUTE 0405 (ADMIN LOOP)	TO END OF LOOP	NORTH RIM	0.350	0.000	0.350	6		0	AS	2
0451	56525		HAVASUPAI ROAD	FROM ROUTE 0435 (SUNSET DRIVE)	TO ROUTE 0288 (CLINIC ACCESS ROAD)	SOUTH RIM	0.610	0.000	0.610	5		0	AS	5,6
0461ZZ	56745		EAST ENTRANCE RESIDENCE ROADS	FROM ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)	TO RESIDENTIAL AREAS	SOUTH RIM	0.770	0.050	0.820	5		0	AS	9
0462	56618		DESERT VIEW SERVICE ROAD	FROM DESERT VIEW PARKING AREA	TO END OF ROUTE	SOUTH RIM	0.000	0.390	0.390	4		0	GR	
0464	56619		TANK C PUMPHOUSE ROAD	FROM ROUTE 0279AZ (TRAILER VILLAGE ROAD A)	TO DEAD END AND PAVED TRAIL	SOUTH RIM	0.150	0.000	0.150	4		0	AS	6
0465	56621		RIM GRAVEL PIT ROAD	FROM ROUTE 0160 (ROWE WELL ROAD)	TO GRAVEL PIT	SOUTH RIM	0.000	1.140	1.140	4		0	GR	
0466	56622		HORSETHIEF TANK ROAD	FROM ROUTE 0164 (WEST RIM DRIVE CONNECTOR TO ROUTE 161)	TO ROUTE 0161 (PASTURE WASH ROAD)	SOUTH RIM	0.000	2.230	2.230	4		0	GR	
0467	114700		SOUTH BOUNDARY CONNECTOR TO ROUTE 0161	FROM SOUTH PARK BOUNDARY	TO ROUTE 0161 (PASTURE WASH ROAD)	SOUTH RIM	0.000	1.180	1.180	4		0	GR	
0468	77350		SEWAGE DISPOSAL POND	FROM ROUTE 0161 (PASTURE WASH ROAD)	TO END OF ROUTE	SOUTH RIM	0.000	1.300	1.300	4		0	GR	
0477	98816		PISTOL RANGE ROAD	FROM ROUTE 0294 (RANGE ROAD (W1A))	TO END	NORTH RIM	0.000	0.200	0.200	6		0	NV	

NPS/RIP Route ID Report

Road Inventory Program 10/27/2010

(Numerical By Route #)

Page 8 of 19

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

■ = Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0478	90444		ENTRANCE RESIDENCE ROAD / NORTH RIM LOOKOUT TOWER ROAD	FROM ROUTE 0960 (OFF ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 0.18) TO END	NORTH RIM	0.000	1.400	1.400	6		0	NV	
0485	90473		EMPLOYEE SERVICE ROAD	FROM ROUTE 0447 (EAST SHUTTLE ACCESS ROAD) TO DEAD END	SOUTH RIM	0.460	0.000	0.460	5		0	AS	6
0487	90474		EMPLOYEE ACCESS ROAD	FROM ROUTE 0485 (EMPLOYEE SERVICE ROAD) TO DEAD END	SOUTH RIM	0.060	0.000	0.060	5		0	AS	6
0488	90475		FIRE STATION ACCESS ROAD	FROM ROUTE 0428 (SHUTTLE BUS ROAD) TO UNPAVED FIRE STATION PARKING	SOUTH RIM	0.050	0.000	0.050	5		0	AS	6
0489	90476		INN CABIN LOOP	FROM INTERSECTION OF ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AND END OF ROUTE 0201 (NORTH RIM CAMPGROUND ROAD) ON RIGHT TO END OF LOOP	NORTH RIM	0.200	0.000	0.200	5		0	AS	2
0490	90477		CAMPGROUND STORE / CONCESSION ACCESS ROAD	FROM ROUTE 0489 (INN CABIN LOOP)(THROUGH CABIN AREA) TO ROUTE 0998 (NORTH RIM CAMPGROUND DUMP STATION)	NORTH RIM	0.070	0.000	0.070	5		0	AS	2
0491	90479		EXPOSED FRAME CABIN RESIDENCE ROAD	FROM ROUTE 0489 (INN CABIN LOOP) TO ROUTE 0489 (THROUGH CABIN AREA)	NORTH RIM	0.200	0.000	0.200	5		16,896	AS	2
0492	104068		DESERT VIEW MAINTENANCE / RANGER STATION ROAD	FROM ROUTE 0461BZ (COLTER LANE) AT MP 0.29 ON LEFT TO ROUTE 0461AZ (CEDAR MOUNTAIN ROAD) AT MP 0.08	SOUTH RIM	0.070	0.000	0.070	5		0	AS	9
0493	N/A		MAGISTRATE EMPLOYEE ROAD	FROM ROUTE 0924 (RANGER OPERATIONS PARKING) TO END OF LOOP	SOUTH RIM	0.000	0.000	0.000	5		7,206	AS	5
0494	77352		SERVICE ROAD TO FIRING RANGE	FROM ROUTE 0011 (DESERT VIEW DRIVE) TO END	SOUTH RIM	0.000	1.000	1.000	6		0	GR	
0495	77456		SERVICE ROAD TO POWDER MAG	FROM ROUTE 0011 (DESERT VIEW DRIVE) TO END	SOUTH RIM	0.000	0.300	0.300	6		0	GR	
0496	77458		SERVICE ROAD TO SHOSHONE POINT	FROM ROUTE 0011 (DESERT VIEW DRIVE) TO END	SOUTH RIM	0.000	1.100	1.100	6		0	GR	
0497	77459		SERVICE ROAD TO DESERT VIEW DRY DUMP	FROM ROUTE 0011 (DESERT VIEW DRIVE) TO END	SOUTH RIM	0.000	0.300	0.300	6		0	GR	
0498	77462		SERVICE ROAD TO DESERT VIEW WATER TANK	FROM ROUTE 0011 (DESERT VIEW DRIVE) TO END	SOUTH RIM	0.000	0.500	0.500	5		0	GR	

NPS/RIP Route ID Report

Shading Color Key:

Red text denotes approx. mileage

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

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name		Route Description	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
			From	To										
0499	77463		SERVICE ROAD TO DESERT VIEW SEWER PONDS	FROM ROUTE 0461ZZ (EAST ENTRANCE RESIDENCE ROADS)	TO END	SOUTH RIM	0.000	0.400	0.400	5		0	GR	
0500	56624		VILLAGE LOOP DRIVE	FROM END OF ROUTE 0012 (SOUTH ENTRANCE ROAD)	TO END OF LOOP	SOUTH RIM	1.320	0.000	1.320	3		0	AS	5
0501	56625		VILLAGE LOOP BYPASS	FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.55	TO ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 1.07	SOUTH RIM	0.310	0.000	0.310	3		0	AS	5
0601	56627		ALBRIGHT AVENUE	FROM ROUTE 0409 (BOULDER STREET) AT MP 0.11	TO ROUTE 0016 (CENTER ROAD)	SOUTH RIM	0.620	0.000	0.620	2		0	AS	5
0900	58280		SOUTH ENTRANCE GRAND CANYON PARKING	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 0.46	TO ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 0.52	SOUTH RIM	0.000	0.000	0.000			22,873	AS	10
0901	58281		SOUTH ENTRANCE STATION PARKING	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD)	TO ROUTE 0012 (SOUTH ENTRANCE ROAD)	SOUTH RIM	0.000	0.000	0.000			6,944	AS	10
0902	58282		MATHER POINT VISITOR CENTER PARKING	FROM OLD ROUTE 0012 (UNDER CONSTRUCTION)	TO OLD ROUTE 0012 (UNDER CONSTRUCTION)	SOUTH RIM	0.000	0.000	0.000			52,600	AS	6
0903	58283		HEADQUARTERS PARKING	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 6.88	TO ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 7.10	SOUTH RIM	0.000	0.000	0.000			88,846	AS	6
0904ZZ	58288		EL TOVAR/VERKAMPS PARKING AREAS	ADJACENT TO ROUTE 0500 (VILLAGE LOOP DRIVE)		SOUTH RIM	0.000	0.000	0.000			66,278	AS	5
0905	58289		KACHINA LODGE PARKING	FROM ROUTE 0904BZ (EL TOVAR/VERKAMPS PARKING B)	TO ROUTE 0906 (THUNDERBIRD LODGE PARKING)	SOUTH RIM	0.000	0.000	0.000			21,954	AS	5
0906	58291		THUNDERBIRD LODGE PARKING	FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.18	TO ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.28	SOUTH RIM	0.000	0.000	0.000			20,872	AS	5
0907	58292		BRIGHT ANGEL LODGE PARKING	FROM ROUTE 0500 (VILLAGE LOOP DRIVE)	TO ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)	SOUTH RIM	0.000	0.000	0.000			29,055	AS	5
0908ZZ	58293		MASWICK STANDARD PARKING AREAS	FROM ROUTE 0500 (VILLAGE LOOP DRIVE) ON LEFT AND RIGHT	TO PARKING	SOUTH RIM	0.000	0.000	0.000			217,250	AS	5
0909	58297		SERVICE PARKING AREA	FROM ROUTE 0500 (VILLAGE LOOP DRIVE)	TO ROUTE 0501 (VILLAGE LOOP BYPASS)	SOUTH RIM	0.000	0.000	0.000			64,883	AS	5
0910	58340		HUMAN RESOURCES PARKING	ADJACENT TO ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 1.03		SOUTH RIM	0.000	0.000	0.000			6,074	AS	5
0911	58343		TRAILVIEW PARKING	ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 1.11		SOUTH RIM	0.000	0.000	0.000			5,568	AS	5

NPS/RIP Route ID Report

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0912	58348		GRAND CANYON VISTA PARKING	FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 1.44 TO ROUTE 0015 (HERMIT REST ROAD) AT MP 1.48	SOUTH RIM	0.000	0.000	0.000			9,848	AS	5
0913	58350		MARICOPA POINT PARKING	ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 1.78	SOUTH RIM	0.000	0.000	0.000			4,199	AS	5
0914	58356		POWELL MEMORIAL PARKING	ADJACENT TO ROUTE 0169 (POWELL MEMORIAL ROAD)	SOUTH RIM	0.000	0.000	0.000			6,180	AS	5
0915	58358		HOPI POINT PARKING	FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 2.36 TO ROUTE 0015 (HERMIT REST ROAD) AT MP 2.39	SOUTH RIM	0.000	0.000	0.000			17,600	AS	5
0916	58360		HOPI POINT II PARKING	FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 2.41 TO ROUTE 0015 (HERMIT REST ROAD) AT MP 2.44	SOUTH RIM	0.000	0.000	0.000			5,355	AS	5
0917	58362		MOHAVE POINT PARKING	ADJACENT TO ROUTE 0168 (MOHAVE POINT ROAD)	SOUTH RIM	0.000	0.000	0.000			4,877	AS	4
0918	58363		ABYSS PARKING	ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 4.14	SOUTH RIM	0.000	0.000	0.000			2,797	AS	4
0919	58372		PIMA POINT PARKING	ADJACENT TO ROUTE 0167 (PIMA POINT ROAD)	SOUTH RIM	0.000	0.000	0.000			4,952	AS	4
0920	58384		HERMIT'S REST PARKING	FROM END OF ROUTE 0015 (HERMIT REST ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			24,020	AS	4
0921	58385		TRAIN STATION PARKING	ADJACENT TO ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.07	SOUTH RIM	0.000	0.000	0.000			9,943	AS	5
0923	58386		MASWICK TRANSPORTATION CENTER PARKING	FROM ROUTE 0426 (MASWICK TRANSPORTATION CENTER ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			104,782	AS	5
0924	58388		RANGER OPERATIONS PARKING	FROM ROUTE 0016 (CENTER ROAD) AT MP 1.59 TO ROUTE 0493 (MAGISTRATE EMPLOYEE ROAD)	SOUTH RIM	0.000	0.000	0.000			18,209	AS	5
0925	58390		GENERAL OFFICES PARKING	FROM ROUTE 0432 (NAVAJO STREET) TO PARKING	SOUTH RIM	0.000	0.000	0.000			14,758	AS	5
0926	58393		CHAPEL PARKING	FROM ROUTE 0409 (BOULDER STREET) TO PARKING	SOUTH RIM	0.000	0.000	0.000			11,673	AS	5
0927	103177		BOULDER STREET RESIDENCE PARKING	FROM ROUTE 0409 (BOULDER STREET) TO PARKING	SOUTH RIM	0.000	0.000	0.000			4,668	AS	5
0928	58396		COCONINO SCHOOL PARKING	FROM ROUTE 0601 (ALBRIGHT AVENUE) AND END OF ROUTE 0408 (COCONINO ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			29,618	AS	5

NPS/RIP Route ID Report

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0929	58398		DORMITORY PARKING	FROM ROUTE 0601 (ALBRIGHT AVENUE) TO ROUTE 0204 (NPS ACADEMY LOOP ROAD)	SOUTH RIM	0.000	0.000	0.000			36,755	AS	5
0930	58401		ALBRIGHT MAINTENANCE AREA PARKING	FROM ROUTE 0601 (ALBRIGHT AVENUE) AT MP 0.49 TO ROUTE 0601 (ALBRIGHT AVENUE) AT MP 0.57	SOUTH RIM	0.000	0.000	0.000			121,601	AS	5
0931	58402		SHUTTLE BUS PARKING	FROM ROUTE 0488 (FIRE STATION ACCESS ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			54,128	AS	6
0932	58403		FIRE STATION PARKING	FROM ROUTE 0488 (FIRE STATION ACCESS ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			7,486	AS	6
0933	90376		GRAND CANYON ASSOCIATION PARKING	FROM ROUTE 0403 (TONTOSTREET) TO PARKING	SOUTH RIM	0.000	0.000	0.000			11,406	AS	5
0934ZZ	58405		STABLE PARKING AREAS	ADJACENT TO ROUTE 0431 (JUNIPER HILL)	SOUTH RIM	0.000	0.000	0.000			31,512	AS	5
0935	58407		SCHOOL BUS PARKING	FROM ROUTE 0016 (CENTER ROAD) AT MP 1.43 TO ROUTE 0016 (CENTER ROAD) AT MP 1.46	SOUTH RIM	0.000	0.000	0.000			8,617	AS	5
0936	90377		MAINTENANCE AREA PARKING	FROM ROUTE 0417 (HUALAPAI ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			0	GR	
0937ZZ	58411		CLINIC EMS PARKING AREAS	FROM ROUTE 0288 (CLINIC ACCESS ROAD) ON LEFT AND RIGHT TO PARKING	SOUTH RIM	0.000	0.000	0.000			59,747	AS	5,6
0938	58412		MAINTENANCE PARKING	FROM ROUTE 0287 (ROUTE 0160 ACCESS ROAD) AT MP 0.22 TO ROUTE 0287 (ROUTE 0160 ACCESS ROAD) AT MP 0.25	SOUTH RIM	0.000	0.000	0.000			9,719	AS	5
0939	58413		WASTEWATER TREATMENT AREA	FROM ROUTE 0427 (KENNELS ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			38,764	AS	5
0940	58414		BUSINESS CENTER PARKING	FROM ROUTE 0446 (WEST SHUTTLE ACCESS ROAD) TO ROUTE 0017 (MARKET PLAZA ROAD)	SOUTH RIM	0.000	0.000	0.000			148,337	AS	6
0941	58416		MATHER CAMPGROUND SERVICES PARKING	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			28,368	AS	6
0942	58417	■	YAVAPAI EAST PARKING	FROM ROUTE 0446 (WEST SHUTTLE ACCESS ROAD) AT MP 0.13 TO ROUTE 0446 (WEST SHUTTLE ACCESS ROAD) AT MP 0.37	SOUTH RIM	0.000	0.000	0.000			82,463	AS	6
0943	58418	■	YAVAPAI WEST I PARKING	FROM ROUTE 0446 (WEST SHUTTLE ACCESS ROAD) ON RIGHT TO PARKING	SOUTH RIM	0.000	0.000	0.000			71,873	AS	6
0944	58419	■	YAVAPAI WEST II PARKING	FROM ROUTE 0446 (WEST SHUTTLE ACCESS ROAD) ON RIGHT TO PARKING	SOUTH RIM	0.000	0.000	0.000			55,697	AS	6

NPS/RIP Route ID Report

Road Inventory Program 10/27/2010

(Numerical By Route #)

Page 12 of 19

Shading Color Key:

Red text denotes
approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0945	58420		PARKING AT MP 0.14	ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 0.14	SOUTH RIM	0.000	0.000	0.000			5,597	AS	6
0946	58421		PIPE CREEK PARKING 1	ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 0.70	SOUTH RIM	0.000	0.000	0.000			8,187	AS	6
0947	58430		PIPE CREEK PARKING 2	ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 0.87	SOUTH RIM	0.000	0.000	0.000			6,396	AS	6
0948	58433		YAKI POINT PARKING	ADJACENT TO ROUTE 0262 (YAKI POINT ROAD)	SOUTH RIM	0.000	0.000	0.000			5,238	AS	7
0949	56628		KAIBAB TRAIL SERVICE ROAD PARKING	FROM END OF ROUTE 0263 (KAIBAB TRAIL ACCESS ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			21,330	AS	7
0950	58436		DUCK-ON-A-ROCK OVERLOOK PARKING	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 3.91 TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 4.00	SOUTH RIM	0.000	0.000	0.000			23,141	AS	7
0951	58438		TWIN OVERLOOK PARKING 1	ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 4.79	SOUTH RIM	0.000	0.000	0.000			5,923	AS	7
0952	58441		TWIN OVERLOOK PARKING 2	ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 4.87	SOUTH RIM	0.000	0.000	0.000			5,948	AS	7
0953	58444		THOR'S HAMMER OVERLOOK PARKING	ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 6.61	SOUTH RIM	0.000	0.000	0.000			11,010	AS	7
0954	58446		BUGGELN PICNIC AREA	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 12.12 TO PARKING	SOUTH RIM	0.000	0.000	0.000			11,485	AS	8
0955	58447		NO-NAME POINT PARKING	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 19.61 TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 19.67	SOUTH RIM	0.000	0.000	0.000			14,513	AS	9
0956	58448		NAVAJO POINT PARKING	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 21.06 TO PARKING	SOUTH RIM	0.000	0.000	0.000			26,140	AS	9
0958	58452		DESERT VIEW GAS STATION	FROM ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD) TO ROUTE 0270 (DESERT VIEW CAMPGROUND)	SOUTH RIM	0.000	0.000	0.000			25,019	AS	9
0959	58453		DESERT VIEW RANGER AND MAINTENANCE PARKING	FROM ROUTE 0461AZ (CEDAR MOUNTAIN ROAD) TO ROUTE 0492 (DESERT VIEW MAINTENANCE / RANGER STATION ROAD)	SOUTH RIM	0.000	0.000	0.000			3,178	AS	9
0960	58455		NORTH RIM ENTRANCE PARKING	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 0.18 TO ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 0.23	NORTH RIM	0.000	0.000	0.000			6,677	AS	1

NPS/RIP Route ID Report

Road Inventory Program 10/27/2010

(Numerical By Route #)

Page 13 of 19

Shading Color Key:

Red text denotes
approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description		Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
				From	To									
0961	58456		NORTH RIM FOREST PARKING (PICNIC AREA)	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 4.04	TO ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 4.09	NORTH RIM	0.000	0.000	0.000			10,440	AS	1
0962	90480		WIDFORSS TRAILHEAD PARKING	FROM ROUTE 0200 (WIDFORSS TRAILHEAD ROAD)	TO PARKING	NORTH RIM	0.000	0.000	0.000			0	GR	
0963	58457		KAIBAB TRAILHEAD PARKING	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 10.77	TO ROUTE 0406 (MULE CORRAL & MAINTENANCE AREA)	NORTH RIM	0.000	0.000	0.000			25,941	AS	2
0964	90481		PICNIC AREA PARKING	ADJACENT TO ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 11.92		NORTH RIM	0.000	0.000	0.000			0	GR	
0965ZZ	58459		GRAND CANYON LODGE PARKING AREAS	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))	TO PARKING	NORTH RIM	0.000	0.000	0.000			160,155	AS	2
0966	58460		MIXED BLESSINGS PARKING	FROM ROUTE 0013 (CAPE ROYAL ROAD) AT MP 3.81	TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 3.85	NORTH RIM	0.000	0.000	0.000			4,624	AS	1
0967	58462		POINT IMPERIAL PARKING	FROM END OF ROUTE 0010 (POINT IMPERIAL ROAD)	TO PARKING	NORTH RIM	0.000	0.000	0.000			52,450	AS	1
0968	58465		VISTA ENCANTADA/PICNIC AREA	ADJACENT TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 10.13		NORTH RIM	0.000	0.000	0.000			12,744	AS	3
0969	58467		ROOSEVELT POINT PARKING	FROM ROUTE 0013 (CAPE ROYAL ROAD) AT MP 11.83	TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 11.87	NORTH RIM	0.000	0.000	0.000			6,581	AS	3
0970	58468		WAHALLA PLATEAU OVERLOOK PARKING	FROM ROUTE 0013 (CAPE ROYAL ROAD) AT MP 18.39	TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 18.50	NORTH RIM	0.000	0.000	0.000			27,274	AS	3
0971	58469		GAS STATION PARKING	FROM ROUTE 0201 (NORTH RIM CAMPGROUND ROAD) AT MP 0.04	TO ROUTE 0201 (NORTH RIM CAMPGROUND ROAD) AT MP 0.08	NORTH RIM	0.000	0.000	0.000			10,110	AS	2
0972	58470		NORTH RIM CAMPGROUND SHOWERS & LAUNDRYMAT PARKING	ADJACENT TO ROUTE 0201 (NORTH RIM CAMPGROUND ROAD)		NORTH RIM	0.000	0.000	0.000			4,559	AS	2
0973	58472		NORTH RIM CAMPGROUND GENERAL STORE PARKING	ADJACENT TO ROUTE 0273ZZ (NORTH RIM CAMPGROUND ROADS)		NORTH RIM	0.000	0.000	0.000			2,443	AS	2
0975ZZ	58475		NORTH RIM RESIDENCE PARKING AREAS	ADJACENT TO ROUTE 0449 (NORTH RIM RESIDENCE LOOP)		NORTH RIM	0.000	0.000	0.000			9,413	AS	2

NPS/RIP Route ID Report

Road Inventory Program 10/27/2010

(Numerical By Route #)

Page 14 of 19

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas	Green = All Unpaved Parking Areas
Grey = Paved Routes, ARAN not Driven	Black = Paved State, Local or Private non-NPS Routes, ARAN Driven		■ = Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0976	58478		NORTH RIM ADMINISTRATIVE BUILDING PARKING	ADJACENT TO ROUTES 0405 (ADMIN LOOP) AND 0449 (NORTH RIM RESIDENCE LOOP)	NORTH RIM	0.000	0.000	0.000			3,437	AS	2
0977	58482		NORTH RIM FIRE PARKING	ADJACENT TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 14.00	NORTH RIM	0.000	0.000	0.000			1,734	AS	3
0978	58485		GREENLAND LAKES CABIN PARKING	ADJACENT TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 8.09	NORTH RIM	0.000	0.000	0.000			1,300	AS	1,3
0979ZZ	58488		GARAGE PARKING AREAS	ADJACENT TO ROUTE 0012 (SOUTH ENTRANCE ROAD)	SOUTH RIM	0.000	0.000	0.000			8,478	AS	5
0980ZZ	90482		GRANDVIEW POINT ROAD PARKING AREAS	ADJACENT TO ROUTE 0264 (GRANDVIEW POINT ROAD)	SOUTH RIM	0.000	0.000	0.000			14,139	AS	8
0981	90485		LIPAN POINT PARKING	FROM END OF ROUTE 0267 (LIPAN POINT ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			15,184	AS	9
0982	90486		MAINTAINING MOUNTAIN MEADOWS PARKING	ADJACENT TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 1.53 RIGHT	NORTH RIM	0.000	0.000	0.000			2,592	AS	1
0983ZZ	102309		APACHE WEST PARKING AREAS	ADJACENT TO ROUTE 0414 (APACHE WEST)	SOUTH RIM	0.000	0.000	0.000			11,270	AS	5
0984	90378		YAVAPAI POINT PARKING	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			77,512	AS	6
0986	90496		BOULDER WEST PARKING	FROM ROUTE 0408 (COCONINO ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			4,020	AS	5
0987	90498		LOOP STREET PARKING	FROM ROUTE 0408 (COCONINO ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			26,388	AS	5
0988	90499		ALBRIGHT TRAINING GARAGE PARKING	FROM ROUTE 0204 (NPS ACADEMY LOOP ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			6,649	AS	5
0989	90500		RIVER PERMIT PARKING	ADJACENT TO ROUTE 0429 (NPS HOUSING ROAD)	SOUTH RIM	0.000	0.000	0.000			4,908	AS	5
0990ZZ	90501		TUSAYAN MUSEUM AND RUIN PARKING AREAS	ADJACENT TO ROUTE 0266 (TUSAYAN RUIN ROAD)	SOUTH RIM	0.000	0.000	0.000			7,607	AS	9
0991ZZ	90503		MORAN POINT PARKING AREAS	ADJACENT TO ROUTE 0265 (MORAN POINT ROAD)	SOUTH RIM	0.000	0.000	0.000			9,338	AS	8
0992	90379		VISITOR CENTER BUS PARKING	FROM ROUTE 0485 (EMPLOYEE SERVICE ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			0	AS	6
0993	90380		BOOK STORE EMPLOYEE PARKING	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD) TO ROUTE 0485 (EMPLOYEE SERVICE ROAD)	SOUTH RIM	0.000	0.000	0.000			8,796	AS	6

NPS/RIP Route ID Report

Shading Color Key:
Red text denotes approx. mileage

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

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0994	90505		TRAILER VILLAGE DORM PARKING	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)	TO PARKING	SOUTH RIM	0.000	0.000	0.000			19,039	AS	6
0995	90382		DAY CARE AND RECREATION CENTER PARKING	FROM INTERSECTION OF ROUTES 0601 (ALBRIGHT AVENUE) AND 0422 (SOUTH MOHAVE STREET)	TO PARKING	SOUTH RIM	0.000	0.000	0.000			32,541	AS	5
0996	90506		YAVAPAI LODGE BUS PARKING	ADJACENT TO ROUTE 0446 (WEST SHUTTLE ACCESS ROAD)		SOUTH RIM	0.000	0.000	0.000			4,649	AS	6
0997	90508		CAMPGROUND REGISTRATION/ CAMPFIRE PROGRAM PARKING	FROM ROUTE 0201 (NORTH RIM CAMPGROUND ROAD)	TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)	NORTH RIM	0.000	0.000	0.000			19,479	AS	2
0998	90509		NORTH RIM CAMPGROUND DUMP STATION	FROM ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)	TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)	NORTH RIM	0.000	0.000	0.000			6,959	AS	2
0999	90383		NEW MAINTENANCE AREA	FROM END OF ROUTE 0428 (SHUTTLE BUS ROAD)	TO PARKING	SOUTH RIM	0.000	0.000	0.000			181,685	CO	6
1000	90384		WEIGH STATION	FROM ROUTE 0428 (SHUTTLE BUS ROAD)	TO ROUTE 0428 (SHUTTLE BUS ROAD)	SOUTH RIM	0.000	0.000	0.000			3,956	AS	6
1001ZZ	90385		RANDY THOMPSON CIRCLE PARKING AREAS	ADJACENT TO ROUTE 0440 (RANDY THOMPSON CIRCLE)		SOUTH RIM	0.000	0.000	0.000			3,779	AS	6
1002	90388		BARRY HANCE CIRCLE PARKING	ADJACENT TO ROUTE 0438 (BARRY HANCE CIRCLE)		SOUTH RIM	0.000	0.000	0.000			1,671	AS	6
1003ZZ	90511		HERMIT CIRCLE PARKING AREAS	ADJACENT TO ROUTE 0434 (HERMIT CIRCLE)		SOUTH RIM	0.000	0.000	0.000			6,236	AS	5
1004	90513		MOHAVE SOUTH STREET PARKING	FROM END OF ROUTE 0422 (SOUTH MOHAVE STREET)	TO PARKING	SOUTH RIM	0.000	0.000	0.000			4,745	AS	5
1005	56581		DELEWARE NORTH APARTMENT PARKING	FROM ROUTE 0422 (SOUTH MOHAVE STREET) ON LEFT	TO PARKING	SOUTH RIM	0.000	0.000	0.000			9,239	AS	5
1006	56582		GRAND CANYON DELEWARE NORTH PARKING	FROM ROUTE 0422 (SOUTH MOHAVE STREET) ON RIGHT	TO PARKING	SOUTH RIM	0.000	0.000	0.000			8,706	AS	5
1007ZZ	90389		MOHAVE COURT PARKING AREAS	ADJACENT TO ROUTE 0423 (MOHAVE COURT)		SOUTH RIM	0.000	0.000	0.000			17,619	AS	5
1008ZZ	90396		KOLB CIRCLE PARKING AREAS	ADJACENT TO ROUTE 0419 (KOLB CIRCLE)		SOUTH RIM	0.000	0.000	0.000			2,188	AS	5
1009	56572		HUALAPAI COURT PARKING	FROM ROUTE 0417 (HUALAPAI ROAD)	TO PARKING	SOUTH RIM	0.000	0.000	0.000			7,148	AS	5

NPS/RIP Route ID Report

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas	Green = All Unpaved Parking Areas
Grey = Paved Routes, ARAN not Driven	Black = Paved State, Local or Private non-NPS Routes, ARAN Driven		■ = Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
1010ZZ	90517		MUAV COURT PARKING AREAS	ADJACENT TO ROUTE 0415 (APACHE ALLEY)	SOUTH RIM	0.000	0.000	0.000			19,661	AS	5
1012	90527		GENERATOR LOOP PARKING	FROM ROUTE 0450 (WASTEWATER PLANT / HELIPAD ROAD) TO PARKING	NORTH RIM	0.000	0.000	0.000			6,840	AS	2
1013	90528		BUNKHOUSE PARKING	ADJACENT TO ROUTE 0405 (ADMIN LOOP) ON LEFT	NORTH RIM	0.000	0.000	0.000			1,329	AS	2
1014ZZ	90529	■	CONCESSIONAIRE DORM PARKING AREAS	ADJACENT TO ROUTE 0448ZZ (CONCESSIONAIRE ROADS)	NORTH RIM	0.000	0.000	0.000			39,312	AS	2
1015	90530		CAPE ROYAL PARKING	FROM END OF ROUTE 0013 (CAPE ROYAL ROAD) TO DEAD END	NORTH RIM	0.000	0.000	0.000			0	GR	
1016	90398		MATHER CAMPGROUND DUMP STATION	FROM ROUTE 0941 (MATHER CAMPGROUND SERVICES PARKING) TO PARKING	SOUTH RIM	0.000	0.000	0.000			7,352	AS	6
1017	90531		RESIDENCE PARKING AREA	ADJACENT TO ROUTE 0405 (ADMIN LOOP)	NORTH RIM	0.000	0.000	0.000			1,866	AS	2
1021	103380		BUS LOADING PARKING	ADJACENT TO ROUTE 0409 (BOULDER STREET)	SOUTH RIM	0.000	0.000	0.000			5,490	AS	5
1025ZZ	102350		DESERT VIEW BUS PARKING AREAS	FROM ROUTE 0172 (DESERT VIEW ACCESS ROAD) TO PARKING AREAS	SOUTH RIM	0.000	0.000	0.000			80,359	AS	9
1026	102351		DESERT VIEW VISITOR PARKING	FROM ROUTE 0172 (DESERT VIEW ACCESS ROAD) TO ROUTE 0172 (DESERT VIEW ACCESS ROAD)	SOUTH RIM	0.000	0.000	0.000			108,353	AS	9
1027ZZ	104064		FOUR PLEX PARKING AREAS	ADJACENT TO ROUTE 0461ZZ (EAST ENTRANCE RESIDENCE ROADS)	SOUTH RIM	0.000	0.000	0.000			2,794	AS	9
1028	103561	■	GENERAL OFFICES TAXI PARKING	ADJACENT TO UNKNOWN UNDER CONSTRUCTION	SOUTH RIM	0.000	0.000	0.000			2,480	AS	6
1031	97463		MOHAVE RESIDENTIAL PARKING	FROM ROUTE 0422 (SOUTH MOHAVE STREET) TO PARKING	SOUTH RIM	0.000	0.000	0.000			12,837	AS	5
1033	97343		1ST EAST OF MOHAVE PARKING	ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 2.86	SOUTH RIM	0.000	0.000	0.000			2,746	AS	4
1034	110205		1ST EAST OF PIMA POINT PARKING	ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 6.23	SOUTH RIM	0.000	0.000	0.000			3,926	AS	4
1035	110204		1ST EAST OF THE ABYSS PARKING	ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 3.92	SOUTH RIM	0.000	0.000	0.000			2,000	AS	4

NPS/RIP Route ID Report

Road Inventory Program 10/27/2010

(Numerical By Route #)

Page 17 of 19

Shading Color Key:

Red text denotes
approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
1036	97341		2ND EAST OF MOHAVE POINT PARKING	ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 2.59	SOUTH RIM	0.000	0.000	0.000			1,898	AS	5
1037	97346		2ND EAST OF PIMA POINT PARKING	ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 5.05	SOUTH RIM	0.000	0.000	0.000			5,688	AS	4
1038	97342		2ND EAST OF THE ABYSS PARKING	ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 3.66	SOUTH RIM	0.000	0.000	0.000			6,445	AS	4
1039	97339		3RD EAST OF PIMA POINT PARKING	ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 4.80	SOUTH RIM	0.000	0.000	0.000			5,393	AS	4
1040	97337		4TH PAST PIMA POINT PARKING	ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 4.53	SOUTH RIM	0.000	0.000	0.000			2,042	AS	4
1041	97340		3RD EAST OF THE ABYSS PARKING	ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 3.31	SOUTH RIM	0.000	0.000	0.000			1,120	AS	4
1043	104065		PARKING FOR NPS 8-PLEX	FROM ROUTE 0461AZ (CEDAR MOUNTAIN ROAD) TO ROUTE 0461AZ (CEDAR MOUNTAIN ROAD)	SOUTH RIM	0.000	0.000	0.000			14,632	AS	9
1044ZZ	102298		RANGER OPERATIONS PARKING LOTS	ADJACENT TO ROUTE 0016 (CENTER ROAD)	SOUTH RIM	0.000	0.000	0.000			2,959	AS	5
1045	227126		EAST ENTRANCE SIGN PARKING	ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE)	SOUTH RIM	0.000	0.000	0.000			3,046	AS	9
1046	227129		EAST ENTRANCE STATION PARKING	FROM ROUTE 0011 (DESERT VIEW DRIVE) TO ROUTE 0011 (DESERT VIEW DRIVE)	SOUTH RIM	0.000	0.000	0.000			6,405	AS	9
1047	227130		EAST STATION EMPLOYEE PARKING	FROM ROUTE 0011 (DESERT VIEW DRIVE) TO PARKING	SOUTH RIM	0.000	0.000	0.000			6,145	AS	9
1048	103378		YAVAPAI LODGE SERVICE ROAD/PARKING	FROM ROUTE 0446 (WEST SHUTTLE ACCESS ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			10,226	AS	6
1049	227131		MATHER CAMPGROUND CHECK IN PARKING	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) TO ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)	SOUTH RIM	0.000	0.000	0.000			12,745	AS	6
1050	N/A		REAR DORM PARKING	ADJACENT TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)	SOUTH RIM	0.000	0.000	0.000			6,537	AS	6
1051	104061		XANTERRA DESERT VIEW PARKING	FROM ROUTE 0461CZ (NANKOWEAP ROAD) TO PARKING	SOUTH RIM	0.000	0.000	0.000			8,666	AS	9
1052	227140		EMS PARKING	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) TO ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))	NORTH RIM	0.000	0.000	0.000			40,588	AS	2

NPS/RIP Route ID Report

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas	Green = All Unpaved Parking Areas
Grey = Paved Routes, ARAN not Driven	Black = Paved State, Local or Private non-NPS Routes, ARAN Driven	■ = Concession Route Flag ON	

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

General Park Road Functional Classification Table

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

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.

5000 route numbers are assigned to Non-NPS Routes that are State, County or City owned which border, traverse, or provide access to Park Facilities or Assets. 5000 Routes are driven for GPS, Video Log and Road Features only.

Surface Type Abbreviations:

- AS - Asphaltic Concrete Pavement**
- CO - Portland Cement Concrete Pavement**
- BR - Brick or Pavers Road Bed**
- CB - Cobble Stone Road Bed**
- GR - Gravel Road Bed**
- SA - Sand Road Bed**
- NV - Native or Dirt Material Road Bed**
- OT - Other Materials Road Bed**

NPS/RIP Subcomponent Details for GRCA

Road Inventory Program 10/27/2010

(Numerical By Subcomponent #)

Page 1 of 16

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

■ = Concession Route Flag ON

■ = Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset Entered in FMSS System

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0272ZZ	56549		MATHER CAMPGROUND ROADS	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)	THROUGH CAMPGROUND LOOPS		3	3.53	0.00	3.53	0
0273ZZ	98941		NORTH RIM CAMPGROUND ROADS	FROM INTERSECTION OF ROUTES 0201 (NORTH RIM CAMPGROUND ROAD) AND 0489 (INN CABIN LOOP)	THROUGH CAMPGROUND		3	1.08	0.00	1.08	0
0277ZZ	56550		TRAILER VILLAGE OUTER LOOP ROADS	FROM ROUTE 0017 (MARKET PLAZA ROAD)	AROUND OUTER LOOPS		3	1.03	0.00	1.03	0
0279ZZ	102247		TRAILER VILLAGE ROADS	FROM 0277ZZ (TRAILER VILLAGE OUTER LOOP ROADS)	THROUGH INTERIOR TRAILER ROADS		3	2.19	0.00	2.19	0
0420ZZ	56574		MATHER STREET AREA	FROM ROUTE 0417 (HUALAPAI ROAD)	THROUGH MATHER STREET AREA		5	0.17	0.00	0.17	0
0436ZZ	56598		BRIGHT ANGEL LOOP ROADS	FROM ROUTE 0500 (VILLAGE LOOP DRIVE)	THROUGH BRIGHT ANGEL LOOPS		5	0.19	0.00	0.19	0
0445ZZ	56610		NAVAJO RESIDENCE ROADS	FROM ROUTE 0432 (NAVAJO STREET)	THROUGH NAVAJO RESIDENCE ROADS		5	0.11	0.00	0.11	0
0448ZZ	58274		CONCESSIONAIRE ROADS	FROM ROUTE 0404 (AUTO SHOP ROAD)	THROUGH CONCESSION AREA		5	0.64	0.12	0.76	0
0461ZZ	56745		EAST ENTRANCE RESIDENCE ROADS	FROM ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)	TO RESIDENTIAL AREAS		5	0.77	0.05	0.82	0
0904ZZ	58288		EL TOVAR/VERKAMPS PARKING AREAS	ADJACENT TO ROUTE 0500 (VILLAGE LOOP DRIVE)				0.00	0.00	0.00	66,278
0908ZZ	58293		MASWICK STANDARD PARKING AREAS	FROM ROUTE 0500 (VILLAGE LOOP DRIVE) ON LEFT AND RIGHT	TO PARKING			0.00	0.00	0.00	217,250
0934ZZ	58405		STABLE PARKING AREAS	ADJACENT TO ROUTE 0431 (JUNIPER HILL)				0.00	0.00	0.00	31,512
0937ZZ	58411		CLINIC EMS PARKING AREAS	FROM ROUTE 0288 (CLINIC ACCESS ROAD) ON LEFT AND RIGHT	TO PARKING			0.00	0.00	0.00	59,747
0965ZZ	58459		GRAND CANYON LODGE PARKING AREAS	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))	TO PARKING			0.00	0.00	0.00	160,155
0975ZZ	58475		NORTH RIM RESIDENCE PARKING AREAS	ADJACENT TO ROUTE 0449 (NORTH RIM RESIDENCE LOOP)				0.00	0.00	0.00	9,413
0979ZZ	58488		GARAGE PARKING AREAS	ADJACENT TO ROUTE 0012 (SOUTH ENTRANCE ROAD)				0.00	0.00	0.00	8,478
0980ZZ	90482		GRANDVIEW POINT ROAD PARKING AREAS	ADJACENT TO ROUTE 0264 (GRANDVIEW POINT ROAD)				0.00	0.00	0.00	14,139
0983ZZ	102309		APACHE WEST PARKING AREAS	ADJACENT TO ROUTE 0414 (APACHE WEST)				0.00	0.00	0.00	11,270
0990ZZ	90501		TUSAYAN MUSEUM AND RUIN PARKING AREAS	ADJACENT TO ROUTE 0266 (TUSAYAN RUIN ROAD)				0.00	0.00	0.00	7,607

NPS/RIP Subcomponent Details for GRCA

Road Inventory Program 10/27/2010

(Numerical By Subcomponent #)

Page 2 of 16

Shading Color Key:

Red text denotes
approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

0991ZZ	90503	MORAN POINT PARKING AREAS	ADJACENT TO ROUTE 0265 (MORAN POINT ROAD)			0.00	0.00	0.00	9,338
1001ZZ	90385	RANDY THOMPSON CIRCLE PARKING AREAS	ADJACENT TO ROUTE 0440 (RANDY THOMPSON CIRCLE)			0.00	0.00	0.00	3,779
1003ZZ	90511	HERMIT CIRCLE PARKING AREAS	ADJACENT TO ROUTE 0434 (HERMIT CIRCLE)			0.00	0.00	0.00	6,236
1007ZZ	90389	MOHAVE COURT PARKING AREAS	ADJACENT TO ROUTE 0423 (MOHAVE COURT)			0.00	0.00	0.00	17,619
1008ZZ	90396	KOLB CIRCLE PARKING AREAS	ADJACENT TO ROUTE 0419 (KOLB CIRCLE)			0.00	0.00	0.00	2,188
1010ZZ	90517	MUAV COURT PARKING AREAS	ADJACENT TO ROUTE 0415 (APACHE ALLEY)			0.00	0.00	0.00	19,661
1014ZZ	90529	CONCESSIONAIRE DORM PARKING AREAS	ADJACENT TO ROUTE 0448ZZ (CONCESSIONAIRE ROADS)			0.00	0.00	0.00	39,312
1025ZZ	102350	DESERT VIEW BUS PARKING AREAS	FROM ROUTE 0172 (DESERT VIEW ACCESS ROAD) TO PARKING AREAS			0.00	0.00	0.00	80,359
1027ZZ	104064	FOUR PLEX PARKING AREAS	ADJACENT TO ROUTE 0461ZZ (EAST ENTRANCE RESIDENCE ROADS)			0.00	0.00	0.00	2,794
1044ZZ	102298	RANGER OPERATIONS PARKING LOTS	ADJACENT TO ROUTE 0016 (CENTER ROAD)			0.00	0.00	0.00	2,959

NPS/RIP Subcomponent Details for GRCA

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-0272ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0272AAZ	56549	■	MATHER CAMPGROUND ASPEN LOOP CUT THRU	FROM ROUTE 0272AZ (MATHER CAMPGROUND ASPEN LOOP) AT MP 0.13	TO ROUTE 0272AZ (MATHER CAMPGROUND ASPEN LOOP) AT MP 0.41		3	0.04	0.00	0.04	0
0272AZ	56549	■	MATHER CAMPGROUND ASPEN LOOP	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.14	TO ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.19		3	0.59	0.00	0.59	0
0272BZ	56549	■	MATHER CAMPGROUND SAGE LOOP 1	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)	TO END OF LOOP		3	0.19	0.00	0.19	0
0272CZ	56549	■	MATHER CAMPGROUND SAGE LOOP 2	FROM ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1) AT MP 0.01	TO ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1) AT MP 0.05		3	0.07	0.00	0.07	0
0272DZ	56549	■	MATHER CAMPGROUND SAGE LOOP 3	FROM ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1) AT MP 0.04	TO ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1) AT MP 0.09		3	0.05	0.00	0.05	0
0272EZ	56549	■	MATHER CAMPGROUND SAGE LOOP 4	FROM ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1) AT MP 0.07	TO ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1) AT MP 0.01		3	0.08	0.00	0.08	0
0272FAZ	56549	■	MATHER CAMPGROUND FIR LOOP CUT THRU	FROM ROUTE 0272FZ (MATHER CAMPGROUND FIR LOOP) AT MP 0.13	TO ROUTE 0272FZ (MATHER CAMPGROUND FIR LOOP) AT MP 0.35		3	0.04	0.00	0.04	0
0272FZ	56549	■	MATHER CAMPGROUND FIR LOOP	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.22	TO ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.28		3	0.49	0.00	0.49	0
0272GZ	56549	■	MATHER CAMPGROUND PINE LOOP	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.25	TO ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.27		3	0.47	0.00	0.47	0
0272HZ	56549	■	MATHER CAMPGROUND JUNIPER LOOP 1	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.30	TO ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.34		3	0.33	0.00	0.33	0
0272IZ	56549	■	MATHER CAMPGROUND JUNIPER LOOP 2	FROM ROUTE 0272HZ (MATHER CAMPGROUND JUNIPER LOOP 1) AT MP 0.14	TO ROUTE 0272HZ (MATHER CAMPGROUND JUNIPER LOOP 1) AT MP 0.18		3	0.44	0.00	0.44	0
0272JZ	56549	■	MATHER CAMPGROUND OAK LOOP 1	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.34	TO ROUTE 0272LZ (MATHER CAMPGROUND MAPLE LOOP) AT MP 0.17		3	0.25	0.00	0.25	0
0272KZ	56549	■	MATHER CAMPGROUND OAK LOOP 2	FROM ROUTE 0272JZ (MATHER CAMPGROUND OAK LOOP 1) AT MP 0.13	TO ROUTE 0272JZ (MATHER CAMPGROUND OAK LOOP 1) AT MP 0.20		3	0.24	0.00	0.24	0
0272LZ	56549	■	MATHER CAMPGROUND MAPLE LOOP	FROM END OF ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)	TO END OF LOOP		3	0.25	0.00	0.25	0

NPS/RIP Subcomponent Details for GRCA

Road Inventory Program 10/27/2010

(Numerical By Subcomponent #)

Page 4 of 16

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas	Green = All Unpaved Parking Areas
Grey = Paved Routes, ARAN not Driven	Black = Paved State, Local or Private non-NPS Routes, ARAN Driven	= Concession Route Flag ON	= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-0273ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0273AZ	98941	■	NORTH RIM CAMPGROUND OUTER LOOP	FROM END OF ROUTE 0201 (NORTH RIM CAMPGROUND ROAD) ON LEFT	TO END OF LOOP WITH ROUTE 0201 (NORTH RIM CAMPGROUND ROAD) ON THE RIGHT		3	0.63	0.00	0.63	0
0273BZ	98941	■	NORTH RIM CAMPGROUND SITES 80 TO 83	FROM ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.04	TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.54		3	0.06	0.00	0.06	0
0273CZ	98941	■	NORTH RIM CAMPGROUND SITES 74 TO 79	FROM ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.06	TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.49		3	0.09	0.00	0.09	0
0273DZ	98941	■	NORTH RIM CAMPGROUND SITES 64 TO 73	FROM ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.11	TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.43		3	0.11	0.00	0.11	0
0273EZ	98941	■	NORTH RIM CAMPGROUND SITES 53 TO 63	FROM ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.16	TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.40		3	0.11	0.00	0.11	0
0273FZ	98941	■	NORTH RIM CAMPGROUND SITES 47 TO 52	FROM ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.19	TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.34		3	0.08	0.00	0.08	0

Asset GRCA-0277ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0277AZ	56550	■	TRAILER VILLAGE OUTER LOOP A	FROM ROUTE 0017 (MARKET PLAZA ROAD) AT MP 1.00	TO END OF LOOP		3	0.66	0.00	0.66	0
0277BZ	56550	■	TRAILER VILLAGE OUTER LOOP B	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.48 ON RIGHT	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.35		3	0.37	0.00	0.37	0

NPS/RIP Subcomponent Details for GRCA

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-0279ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0279AZ	102247	■	TRAILER VILLAGE ROAD A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.33 ON LEFT	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.72		3	0.05	0.00	0.05	0
0279BZ	102247	■	TRAILER VILLAGE ROAD B	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.34 ON LEFT	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.70		3	0.07	0.00	0.07	0
0279CZ	102247	■	TRAILER VILLAGE ROAD C	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.37 ON LEFT	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.69		3	0.08	0.00	0.08	0
0279DZ	102247	■	TRAILER VILLAGE ROAD D	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.38 ON LEFT	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.68		3	0.08	0.00	0.08	0
0279EZ	102247	■	TRAILER VILLAGE ROAD E	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.40 ON LEFT	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.68		3	0.09	0.00	0.09	0
0279FZ	102247	■	TRAILER VILLAGE ROAD F	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.41 ON LEFT	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.66		3	0.09	0.00	0.09	0
0279GZ	102247	■	TRAILER VILLAGE ROAD G	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.42 ON LEFT	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.65		3	0.10	0.00	0.10	0
0279HZ	102247	■	TRAILER VILLAGE ROAD H	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.43 ON LEFT	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.64		3	0.10	0.00	0.10	0
0279IZ	102247	■	TRAILER VILLAGE ROAD I	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.44 ON LEFT	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.63		3	0.10	0.00	0.10	0
0279JZ	102247	■	TRAILER VILLAGE ROAD J	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.45 ON LEFT	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.62		3	0.10	0.00	0.10	0
0279KZ	102247	■	TRAILER VILLAGE ROAD K	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.46 ON LEFT	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.61		3	0.11	0.00	0.11	0
0279LLZ	102247	■	TRAILER VILLAGE ROAD LL	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.37 ON RIGHT	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.27		3	0.10	0.00	0.10	0
0279LZ	102247	■	TRAILER VILLAGE ROAD L	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.48 ON LEFT	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.00		3	0.11	0.00	0.11	0
0279MZ	102247	■	TRAILER VILLAGE ROAD M	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.38 ON RIGHT	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.24		3	0.12	0.00	0.12	0

NPS/RIP Subcomponent Details for GRCA

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas	Green = All Unpaved Parking Areas
Grey = Paved Routes, ARAN not Driven	Black = Paved State, Local or Private non-NPS Routes, ARAN Driven	= Concession Route Flag ON	= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0279NZ	102247	■	TRAILER VILLAGE ROAD N	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.39 ON RIGHT	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.22		3	0.13	0.00	0.13	0
0279OZ	102247	■	TRAILER VILLAGE ROAD O	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.40 ON RIGHT	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.21		3	0.14	0.00	0.14	0
0279PZ	102247	■	TRAILER VILLAGE ROAD P	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.41 ON RIGHT	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.18		3	0.14	0.00	0.14	0
0279RZ	102247	■	TRAILER VILLAGE ROAD R	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.43 ON RIGHT	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.16		3	0.13	0.00	0.13	0
0279SZ	102247	■	TRAILER VILLAGE ROAD S	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.44 ON RIGHT	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.15		3	0.12	0.00	0.12	0
0279TZ	102247	■	TRAILER VILLAGE ROAD T	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.46 ON RIGHT	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.13		3	0.12	0.00	0.12	0
0279UZ	102247	■	TRAILER VILLAGE ROAD U	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.47 ON RIGHT	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.12		3	0.11	0.00	0.11	0

Asset GRCA-0420ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0420AZ	56574	■	MATHER STREET A	FROM ROUTE 0417 (HUALAPAI ROAD)	TO ROUTE 0420BZ (MATHER STREET B)		5	0.07	0.00	0.07	0
0420BZ	56574	■	MATHER STREET B	FROM ROUTE 0417 (HUALAPAI ROAD)	TO END OF LOOP		5	0.10	0.00	0.10	0

Asset GRCA-0436ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0436AZ	56598	■	BRIGHT ANGEL LOOP ROAD A	FROM ROUTE 0500 (VILLAGE LOOP DRIVE)	TO END OF LOOP		5	0.13	0.00	0.13	0
0436BZ	56598	■	BRIGHT ANGEL LOOP ROAD B	FROM ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)	TO ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)		5	0.06	0.00	0.06	0

NPS/RIP Subcomponent Details for GRCA

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas	Green = All Unpaved Parking Areas
Grey = Paved Routes, ARAN not Driven	Black = Paved State, Local or Private non-NPS Routes, ARAN Driven	= Concession Route Flag ON	= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-0445ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Description		Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From To						
0445AZ	56610	■	NAVAJO RESIDENCE ROAD A	FROM ROUTE 0432 (NAVAJO STREET) TO END OF PAVEMENT		5	0.07	0.00	0.07	0
0445BZ	56610	■	NAVAJO RESIDENCE ROAD B	FROM ROUTE 0445AZ (NAVAJO RESIDENCE ROAD A) TO END OF LOOP		5	0.04	0.00	0.04	0

Asset GRCA-0448ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Description		Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From To						
0448AZ	58274	■	EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD	FROM ROUTE 0404 (AUTO SHOP ROAD) TO DEAD END AT MULE CONCESSIONAIRE		5	0.20	0.00	0.20	0
0448BZ	58274	■	CONCESSIONAIRE RESIDENCE ROAD	FROM ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD) TO ROUTE 0448DZ (DORM ACCESS ROAD)		5	0.17	0.00	0.17	0
0448CZ	58274	■	RV CONCESSIONAIRE RESIDENCE ROAD	FROM ROUTE 0448BZ (CONCESSIONAIRE RESIDENCE ROAD) TO ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)		5	0.10	0.00	0.10	0
0448DZ	58274	■	DORM ACCESS ROAD	FROM ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD) TO ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)		5	0.17	0.12	0.29	0

Asset GRCA-0461ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Description		Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From To						
0461AZ	56745	■	CEDAR MOUNTAIN ROAD	FROM ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD) AT MP 0.07 TO BEGINNING OF ROUTE 0499 (SERVICE ROAD TO DESERT VIEW SEWER PONDS)		5	0.31	0.00	0.31	0
0461BZ	56745	■	COLTER LANE	FROM ROUTE 0461AZ (CEDAR MOUNTAIN ROAD) AT MP 0.30 TO ROUTE 0461AZ (CEDAR MOUNTAIN ROAD) AT MP 0.13		5	0.32	0.05	0.37	0
0461CZ	56745	■	NANKOWEAP ROAD	FROM ROUTE 0461BZ (COLTER LANE) AT MP 0.17 TO ROUTE 0461BZ (COLTER LANE) AT MP 0.29		5	0.11	0.00	0.11	0
0461DZ	56745	■	CARDENAS COURT	FROM ROUTE 0461BZ (COLTER LANE) AT MP 0.09 TO DEAD END		5	0.03	0.00	0.03	0

NPS/RIP Subcomponent Details for GRCA

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-0904ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0904AZ	58288	■	EL TOVAR/VERKAMPS PARKING A	FROM ROUTE 0500 (VILLAGE LOOP DRIVE)	TO END OF LOOP			0.00	0.00	0.00	14,648
0904BZ	58288	■	EL TOVAR/VERKAMPS PARKING B	FROM ROUTE 0905 (KACHINA LODGE PARKING)	TO PARKING			0.00	0.00	0.00	11,851
0904CZ	58288	■	EL TOVAR/VERKAMPS PARKING C	FROM ROUTE 0904AZ (EL TOVAR/VERKAMPS PARKING A) AND ROUTE 0904DZ (EL TOVAR/VERKAMPS PARKING D)	TO PARKING			0.00	0.00	0.00	36,416
0904DZ	58288	■	EL TOVAR/VERKAMPS PARKING D	FROM ROUTE 0904CZ (EL TOVAR/VERKAMPS PARKING C)	TO PARKING			0.00	0.00	0.00	3,363

Asset GRCA-0908ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0908AZ	58293	■	MASWICK STANDARD PARKING A	FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.66 ON LEFT	TO ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.76			0.00	0.00	0.00	18,062
0908BZ	58293	■	MASWICK STANDARD PARKING B	FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.70 ON RIGHT	TO ROUTE 0908ZZ (MASWICK STANDARD PARKING AREAS)			0.00	0.00	0.00	35,158
0908CZ	58293	■	MASWICK STANDARD PARKING C	ADJACENT TO ROUTE 0908BZ (MASWICK STANDARD PARKING B)				0.00	0.00	0.00	43,858
0908DZ	58293	■	MASWICK STANDARD PARKING D	ADJACENT TO ROUTE 0908BZ (MASWICK STANDARD PARKING B)				0.00	0.00	0.00	26,702
0908EZ	58293	■	MASWICK STANDARD PARKING E	FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.76 ON RIGHT	TO ROUTE 0908ZZ (MASWICK STANDARD PARKING AREAS)			0.00	0.00	0.00	93,469

Asset GRCA-0934ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0934AZ	58405	■	STABLE PARKING AREA A	FROM ROUTE 0431 (JUNIPER HILL)	TO ROUTE 0435 (SUNSET DRIVE)			0.00	0.00	0.00	20,372
0934BZ	58405	■	STABLE PARKING AREA B	ADJACENT TO ROUTE 0435 (SUNSET DRIVE) ON LEFT				0.00	0.00	0.00	11,140

NPS/RIP Subcomponent Details for GRCA

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

■ = Concession Route Flag ON

■ = Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-0937ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0937AZ	58411	■	CLINIC EMS PARKING A	FROM ROUTE 0288 (CLINIC ACCESS ROAD)	TO ROUTE 0288 (CLINIC ACCESS ROAD)			0.00	0.00	0.00	5,461
0937BZ	58411	■	PRIVATE RESIDENCE AND CLINIC PARKING	FROM ROUTE 0288 (CLINIC ACCESS ROAD)	TO ROUTE 0288 (CLINIC ACCESS ROAD)			0.00	0.00	0.00	16,445
0937CZ	58411	■	AMBULANCE PARKING	FROM ROUTE 0288 (CLINIC ACCESS ROAD)	TO PARKING			0.00	0.00	0.00	8,273
0937DZ	58411	■	CLINIC EMS PARKING D	FROM ROUTE 0937BZ (PRIVATE RESIDENCE AND CLINIC PARKING)	TO ROUTE 0288 (CLINIC ACCESS ROAD)			0.00	0.00	0.00	12,927
0937EZ	58411	■	CLINIC EMS PARKING E	FROM ROUTE 0288 (CLINIC ACCESS ROAD)	TO PARKING			0.00	0.00	0.00	16,641

Asset GRCA-0965ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0965Z	58459	■	NORTH RIM VISITOR CENTER PARKING	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 12.70	TO PARKING			0.00	0.00	0.00	136,799
0974Z	58459	■	GRAND CANYON LODGE PARKING	FROM END OF ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))	TO PARKING			0.00	0.00	0.00	23,355

Asset GRCA-0975ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0975AZ	58475	■	NORTH RIM RESIDENCE PARKING A	ADJACENT TO ROUTE 0449 (NORTH RIM RESIDENCE LOOP)				0.00	0.00	0.00	7,128
0975BZ	58475	■	NORTH RIM RESIDENCE PARKING B	ADJACENT TO ROUTE 0449 (NORTH RIM RESIDENCE LOOP)				0.00	0.00	0.00	606
0975CZ	58475	■	NORTH RIM RESIDENCE PARKING C	ADJACENT TO ROUTE 0449 (NORTH RIM RESIDENCE LOOP)				0.00	0.00	0.00	1,063
0975DZ	58475	■	NORTH RIM RESIDENCE PARKING D	ADJACENT TO ROUTE 0449 (NORTH RIM RESIDENCE LOOP)				0.00	0.00	0.00	617

NPS/RIP Subcomponent Details for GRCA

Road Inventory Program 10/27/2010

(Numerical By Subcomponent #)

Page 10 of 16

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-0979ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0979AZ	58488		GARAGE PARKING A	ADJACENT TO ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 7.73				0.00	0.00	0.00	6,366
0979BZ	58488		GARAGE PARKING B	ADJACENT TO ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 7.75				0.00	0.00	0.00	2,112

Asset GRCA-0980ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0980AZ	90482		GRANDVIEW POINT ROAD PARKING A	ADJACENT TO ROUTE 0264 (GRANDVIEW POINT ROAD) AT MP 0.66 ON RIGHT				0.00	0.00	0.00	5,342
0980BZ	90482		GRANDVIEW POINT ROAD PARKING B	ADJACENT TO ROUTE 0264 (GRANDVIEW POINT ROAD) AT MP 0.73 ON RIGHT				0.00	0.00	0.00	5,809
0980CZ	90482		GRANDVIEW POINT ROAD PARKING C	ADJACENT TO ROUTE 0264 (GRANDVIEW POINT ROAD) AT MP 0.74 ON LEFT				0.00	0.00	0.00	2,987

NPS/RIP Subcomponent Details for GRCA

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-0983ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0983AZ	102309	■	APACHE WEST PARKING A	ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.13 ON RIGHT				0.00	0.00	0.00	1,128
0983BZ	102309	■	APACHE WEST PARKING B	ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.11 ON LEFT				0.00	0.00	0.00	4,620
0983CZ	102309	■	APACHE WEST PARKING C	ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.11 ON RIGHT				0.00	0.00	0.00	550
0983DZ	102309	■	APACHE WEST PARKING D	ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.08 ON RIGHT				0.00	0.00	0.00	359
0983EZ	102309	■	APACHE WEST PARKING E	ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.07 ON RIGHT				0.00	0.00	0.00	549
0983FZ	102309	■	APACHE WEST PARKING F	ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.07 ON LEFT				0.00	0.00	0.00	1,457
0983GZ	102309	■	APACHE WEST PARKING G	ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.05 ON LEFT				0.00	0.00	0.00	2,608

Asset GRCA-0990ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0990AZ	90501	■	TUSAYAN MUSEUM AND RUIN PARKING A	ADJACENT TO ROUTE 0266 (TUSAYAN RUIN ROAD) ON RIGHT				0.00	0.00	0.00	4,649
0990BZ	90501	■	TUSAYAN MUSEUM AND RUIN PARKING B	ADJACENT TO ROUTE 0266 (TUSAYAN RUIN ROAD) ON LEFT				0.00	0.00	0.00	2,959

Asset GRCA-0991ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0991AZ	90503	■	MORAN POINT PARKING A	ADJACENT TO ROUTE 0265 (MORAN POINT ROAD) ON RIGHT				0.00	0.00	0.00	6,064
0991BZ	90503	■	MORAN POINT PARKING B	ADJACENT TO ROUTE 0265 (MORAN POINT ROAD) ON LEFT				0.00	0.00	0.00	3,275

NPS/RIP Subcomponent Details for GRCA

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-1001ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
1001AZ	90385	■	RANDY THOMPSON CIRCLE PARKING A	ADJACENT TO ROUTE 0440 (RANDY THOMPSON CIRCLE) AT MP 0.33				0.00	0.00	0.00	1,246
1001BZ	90385	■	RANDY THOMPSON CIRCLE PARKING B	ADJACENT TO ROUTE 0440 (RANDY THOMPSON CIRCLE) AT MP 0.36				0.00	0.00	0.00	1,290
1001CZ	90385	■	RANDY THOMPSON CIRCLE PARKING C	ADJACENT TO ROUTE 0440 (RANDY THOMPSON CIRCLE) AT MP 0.40				0.00	0.00	0.00	1,243

Asset GRCA-1003ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
1003AZ	90511	■	HERMIT CIRCLE PARKING A	ADJACENT TO ROUTE 0434 (HERMIT CIRCLE)				0.00	0.00	0.00	3,771
1003BZ	90511	■	HERMIT CIRCLE PARKING B	ADJACENT TO ROUTE 0434 (HERMIT CIRCLE)				0.00	0.00	0.00	2,465

NPS/RIP Subcomponent Details for GRCA

Road Inventory Program 10/27/2010

(Numerical By Subcomponent #)

Page 13 of 16

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-1007ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
1007AZ	90389	■	MOHAVE COURT PARKING A	ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.02 ON RIGHT				0.00	0.00	0.00	1,927
1007BZ	90389	■	MOHAVE COURT PARKING B	ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.02 ON LEFT				0.00	0.00	0.00	2,673
1007CZ	90389	■	MOHAVE COURT PARKING C	ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.04 ON RIGHT				0.00	0.00	0.00	1,835
1007DZ	90389	■	MOHAVE COURT PARKING D	ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.10 ON LEFT				0.00	0.00	0.00	2,029
1007EZ	90389	■	MOHAVE COURT PARKING E	ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.11 ON RIGHT				0.00	0.00	0.00	2,139
1007FZ	90389	■	MOHAVE COURT PARKING F	ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.15 ON RIGHT				0.00	0.00	0.00	4,379
1007GZ	90389	■	MOHAVE COURT PARKING G	ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.14 ON LEFT				0.00	0.00	0.00	2,636

Asset GRCA-1008ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
1008AZ	90396	■	KOLB CIRCLE PARKING A	ADJACENT TO ROUTE 0419 (KOLB CIRCLE)				0.00	0.00	0.00	1,525
1008BZ	90396	■	KOLB CIRCLE PARKING B	ADJACENT TO ROUTE 0419 (KOLB CIRCLE)				0.00	0.00	0.00	663

NPS/RIP Subcomponent Details for GRCA

Road Inventory Program 10/27/2010

(Numerical By Subcomponent #)

Page 14 of 16

Shading Color Key:

Red text denotes
approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-1010ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
1010AZ	90517	■	MUAV COURT PARKING A	ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.04 ON RIGHT				0.00	0.00	0.00	2,895
1010BZ	90517	■	MUAV COURT PARKING B	ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.04 ON LEFT				0.00	0.00	0.00	2,330
1010CZ	90517	■	MUAV COURT PARKING C	ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.07 ON RIGHT				0.00	0.00	0.00	3,000
1010DZ	90517	■	MUAV COURT PARKING D	ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.07 ON LEFT				0.00	0.00	0.00	2,598
1010EZ	90517	■	MUAV COURT PARKING E	ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.10 ON LEFT				0.00	0.00	0.00	2,162
1010FZ	90517	■	MUAV COURT PARKING F	ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.13 ON LEFT				0.00	0.00	0.00	3,311
1010GZ	90517	■	MUAV COURT PARKING G	ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.13 ON RIGHT				0.00	0.00	0.00	3,366

NPS/RIP Subcomponent Details for GRCA

Road Inventory Program 10/27/2010

(Numerical By Subcomponent #)

Page 15 of 16

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-1014ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
1014AZ	90529		CONCESSION DORM PARKING	ADJACENT TO ROUTE 0448BZ (CONCESSIONAIRE RESIDENCE ROAD)				0.00	0.00	0.00	7,176
1014BZ	90529		CONCESSIONAIRE CAFETERIA PARKING	ADJACENT TO ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)				0.00	0.00	0.00	1,634
1014CZ	90529		CAFETERIA EMPLOYEE PARKING	ADJACENT TO ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)				0.00	0.00	0.00	2,175
1014DZ	90529		CONCESSIONAIRE DORM PARKING #1	ADJACENT TO ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)				0.00	0.00	0.00	4,458
1014EZ	90529		CONCESSIONAIRE DORM PARKING #2	ADJACENT TO ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)				0.00	0.00	0.00	3,801
1014FZ	90529		CONCESSIONAIRE DORM PARKING #3	ADJACENT TO ROUTE 0448BZ (CONCESSIONAIRE RESIDENCE ROAD)				0.00	0.00	0.00	2,784
1014GZ	90529		REAR EMPLOYEE DORM HOUSING	ADJACENT TO ROUTE 0448DZ (DORM ACCESS ROAD)				0.00	0.00	0.00	11,756
1014HZ	90529		FRONT EMPLOYEE DORM PARKING	ADJACENT TO ROUTE 0448DZ (DORM ACCESS ROAD)				0.00	0.00	0.00	5,527

Asset GRCA-1025ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
1025AZ	102350		DESERT VIEW BUS PARKING A	FROM ROUTE 0172 (DESERT VIEW ACCESS ROAD)	TO PARKING			0.00	0.00	0.00	67,845
1025BZ	102350		DESERT VIEW BUS PARKING B	ADJACENT TO ROUTE 1025AZ (DESERT VIEW BUS PARKING A)				0.00	0.00	0.00	12,514

NPS/RIP Subcomponent Details for GRCA

Road Inventory Program 10/27/2010

(Numerical By Subcomponent #)

Page 16 of 16

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, ARAN Driven

Yellow = Unpaved Routes, ARAN not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven

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

= Concession Route Flag ON

= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

GRCA

GRAND CANYON NATIONAL PARK

Asset GRCA-1027ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
1027AZ	104064		FOUR PLEX PARKING A	ADJACENT TO ROUTE 0461BZ (COLTER LANE)				0.00	0.00	0.00	749
1027BZ	104064		FOUR PLEX PARKING B	ADJACENT TO ROUTE 0461BZ (COLTER LANE)				0.00	0.00	0.00	2,045

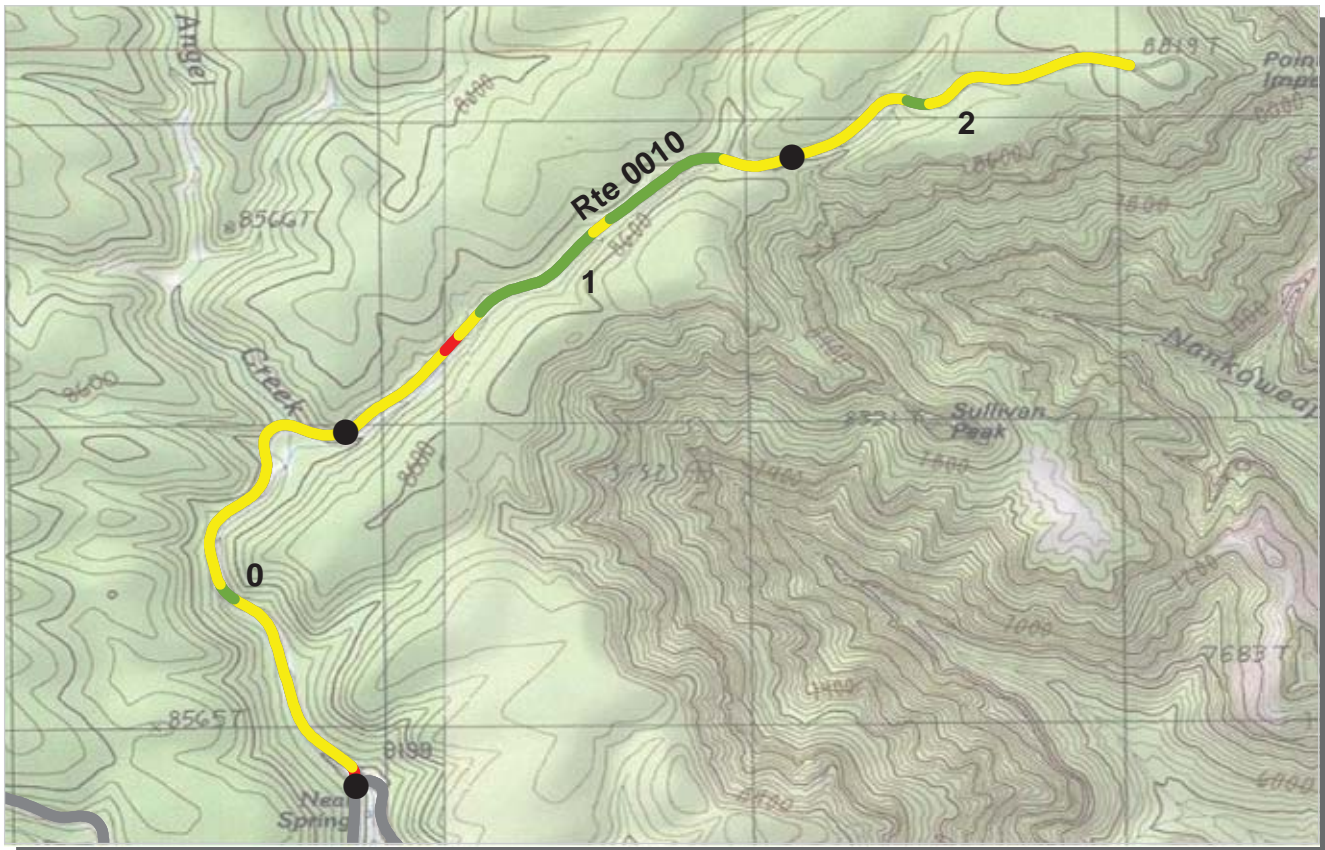
Asset GRCA-1044ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
1044AZ	102298		MAGISTRATE PARKING A	ADJACENT TO ROUTE 0016 (CENTER ROAD)				0.00	0.00	0.00	1,161
1044BZ	102298		MAGISTRATE PARKING B	ADJACENT TO ROUTE 0016 (CENTER ROAD)				0.00	0.00	0.00	1,798

Grand Canyon National Park



Section 5 **Paved Route Condition Rating Sheets** **(CRS)**



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0010 POINT IMPERIAL ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/5/2009
TOTAL LENGTH: 2.65 Miles

INTERMOUNTAIN REGION

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.65		
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	20	20	21		
Lane Width (ft)	9	8	9		
Shoulder Width Right (ft)	NC	NC	NC		
Shoulder Width Left (ft)	NC	NC	NC		
Roadway Condition Information					
SCR (Surface Condition Rating)	79	81	80		
PCR (Pavement Condition Rating)	78	81	78		
Distress Index Values					
Alligator Cracking Index	100	100	100		
Longitudinal Cracking Index	98	99	99		
Transverse Cracking Index	99	100	98		
Patching Index	100	100	100		
Rutting Index	82	82	83		
Roughness Condition Index (RCI)	77	81	74		

ROUTE: 0010 POINT IMPERIAL ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0011 DESERT VIEW DRIVE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/9/2009
TOTAL LENGTH: 24.85 Miles

INTERMOUNTAIN REGION

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	26	26	26	26	26
Lane Width (ft)	11	10	10	10	10
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
Roadway Condition Information					
SCR (Surface Condition Rating)	82	82	81	73	86
PCR (Pavement Condition Rating)	88	89	89	84	92
Distress Index Values					
Alligator Cracking Index	98	100	100	100	100
Longitudinal Cracking Index	89	88	85	84	92
Transverse Cracking Index	96	98	98	98	98
Patching Index	100	100	100	100	100
Rutting Index	99	96	99	91	96
Roughness Condition Index (RCI)	98	100	100	100	99

ROUTE: 0011 DESERT VIEW DRIVE

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0011 DESERT VIEW DRIVE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/9/2009
TOTAL LENGTH: 24.85 Miles

INTERMOUNTAIN REGION

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	26	26	26	26	26
Lane Width (ft)	10	10	10	10	10
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
Roadway Condition Information					
SCR (Surface Condition Rating)	80	73	77	99	100
PCR (Pavement Condition Rating)	88	83	82	99	100
Distress Index Values					
Alligator Cracking Index	100	99	100	100	100
Longitudinal Cracking Index	87	88	92	100	100
Transverse Cracking Index	97	94	96	100	100
Patching Index	100	100	100	100	100
Rutting Index	97	91	89	99	100
Roughness Condition Index (RCI)	100	97	91	100	100

ROUTE: 0011 DESERT VIEW DRIVE



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0011 DESERT VIEW DRIVE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/9/2009
TOTAL LENGTH: 24.85 Miles

INTERMOUNTAIN REGION

<i>Section Number</i>	10	11	12	13	14
<i>Section Length (mi)</i>	1.00	1.00	1.00	1.00	1.00
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	26	27	27	26	26
Lane Width (ft)	11	10	10	10	10
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	100	88	77	80	81
PCR (Pavement Condition Rating)	100	91	82	86	89
<i>Distress Index Values</i>					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	96	94	95	97
Transverse Cracking Index	100	98	95	96	97
Patching Index	100	100	100	100	100
Rutting Index	100	94	88	89	88
Roughness Condition Index (RCI)	100	94	90	95	100

ROUTE: 0011 DESERT VIEW DRIVE

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0011 DESERT VIEW DRIVE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/9/2009
TOTAL LENGTH: 24.85 Miles

INTERMOUNTAIN REGION

Section Number	15	16	17	18	19
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	26	26	26	27	28
Lane Width (ft)	10	10	10	10	10
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
Roadway Condition Information					
SCR (Surface Condition Rating)	82	80	79	88	100
PCR (Pavement Condition Rating)	89	87	87	93	100
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	99	98	98	99	100
Transverse Cracking Index	96	96	96	99	100
Patching Index	100	100	100	100	100
Rutting Index	87	85	85	90	100
Roughness Condition Index (RCI)	99	98	99	99	99

ROUTE: 0011 DESERT VIEW DRIVE

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0011 DESERT VIEW DRIVE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/9/2009
TOTAL LENGTH: 24.85 Miles

INTERMOUNTAIN REGION

Section Number	20	21	22	23	24
Section Length (mi)	1.00	1.00	1.00	1.00	0.85
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	27	36	27	27	26
Lane Width (ft)	10	11	10	10	10
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
Roadway Condition Information					
SCR (Surface Condition Rating)	100	99	100	100	100
PCR (Pavement Condition Rating)	100	96	99	100	100
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Roughness Condition Index (RCI)	100	92	99	100	99

ROUTE: 0011 DESERT VIEW DRIVE

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0012 SOUTH ENTRANCE ROAD
GRCA : GRAND CANYON NATIONAL PARK

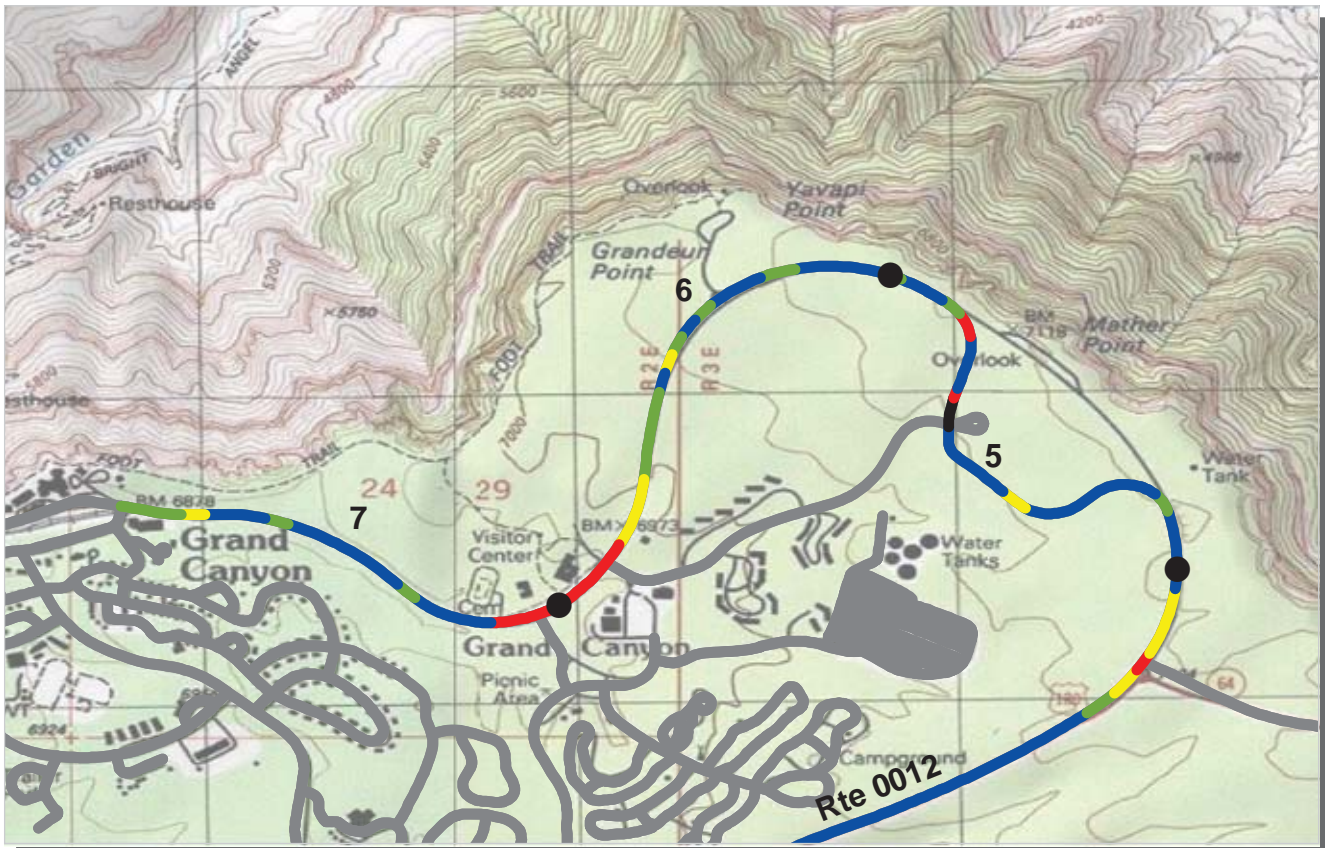
COLLECTED: 10/6/2009
TOTAL LENGTH: 7.80 Miles

INTERMOUNTAIN REGION

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	4	2	2	2	2
Paved Width (ft)	49	30	30	33	33
Lane Width (ft)	15	11	11	12	12
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
Roadway Condition Information					
SCR (Surface Condition Rating)	100	100	99	98	90
PCR (Pavement Condition Rating)	99	100	99	99	89
Distress Index Values					
Alligator Cracking Index	100	100	100	100	97
Longitudinal Cracking Index	100	100	100	100	98
Transverse Cracking Index	100	100	100	100	97
Patching Index	100	100	100	100	100
Rutting Index	100	100	99	98	98
Roughness Condition Index (RCI)	98	100	100	99	86

ROUTE: 0012 SOUTH ENTRANCE ROAD

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

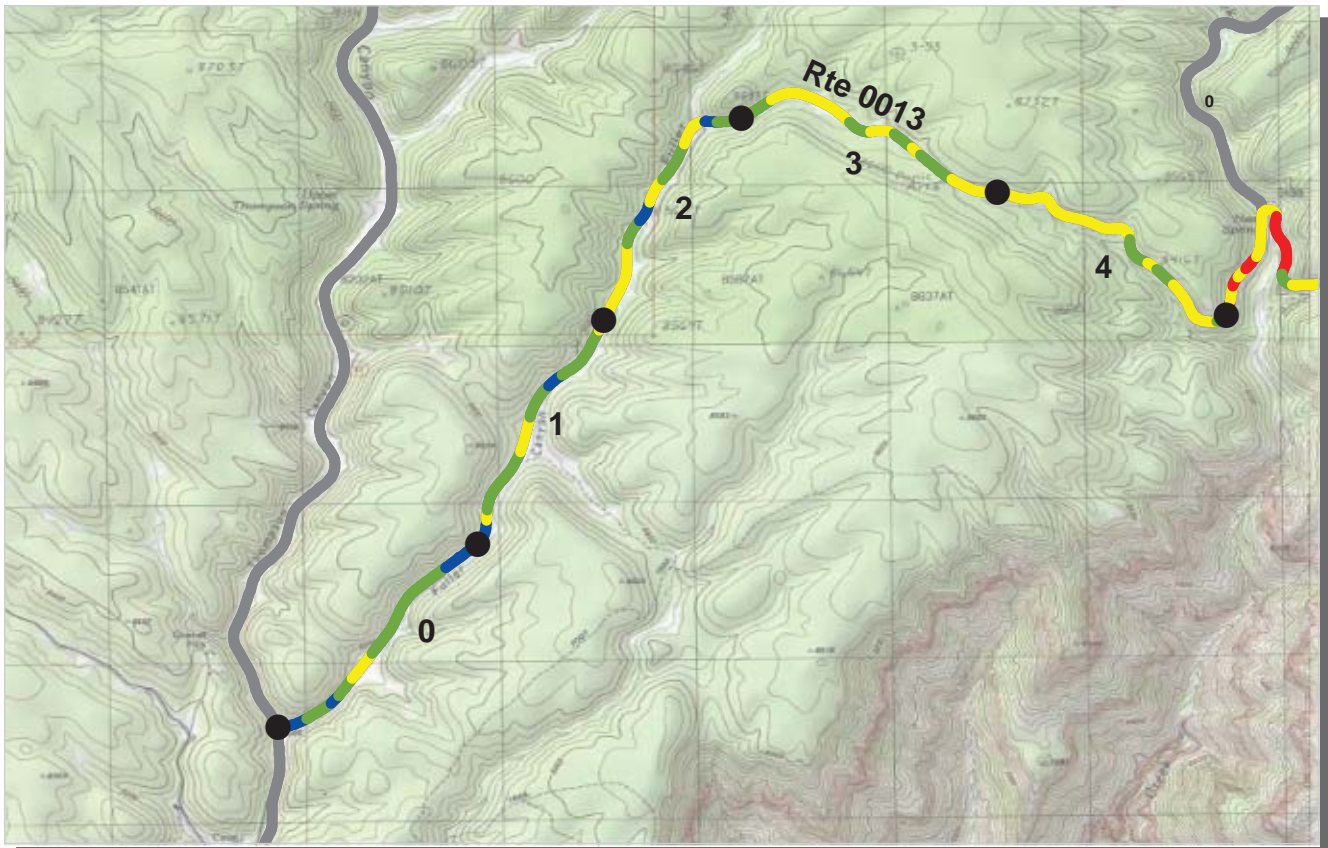
ROUTE: 0012 SOUTH ENTRANCE ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 7.80 Miles

INTERMOUNTAIN REGION

Section Number	5	6	7		
Section Length (mi)	1.00	1.00	0.80		
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	29	34	31		
Lane Width (ft)	11	13	12		
Shoulder Width Right (ft)	NC	NC	NC		
Shoulder Width Left (ft)	NC	NC	NC		
Roadway Condition Information					
SCR (Surface Condition Rating)	99	77	87		
PCR (Pavement Condition Rating)	90	79	86		
Distress Index Values					
Alligator Cracking Index	100	90	95		
Longitudinal Cracking Index	100	96	99		
Transverse Cracking Index	100	97	98		
Patching Index	100	100	100		
Rutting Index	100	94	95		
Roughness Condition Index (RCI)	87	89	91		

ROUTE: 0012 SOUTH ENTRANCE ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0013 CAPE ROYAL ROAD
GRCA : GRAND CANYON NATIONAL PARK

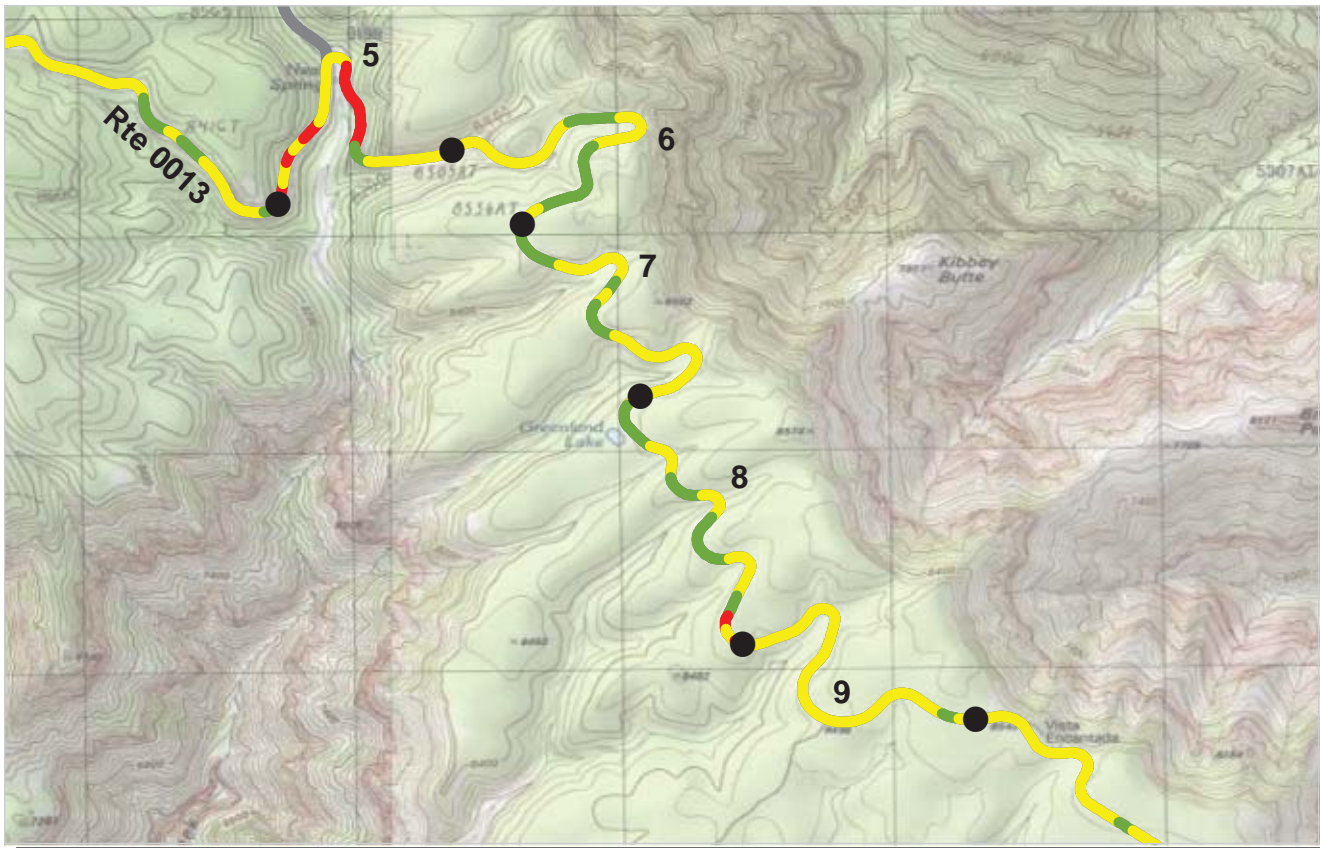
COLLECTED: 10/5/2009
TOTAL LENGTH: 19.83 Miles

INTERMOUNTAIN REGION

<i>Section Number</i>	0	1	2	3	4
<i>Section Length (mi)</i>	1.00	1.00	1.00	1.00	1.00
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	21	20	21	21	20
Lane Width (ft)	9	8	8	9	9
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	90	89	87	86	84
PCR (Pavement Condition Rating)	89	87	83	83	77
<i>Distress Index Values</i>					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	99	99
Transverse Cracking Index	100	99	100	99	100
Patching Index	100	100	100	100	100
Rutting Index	90	90	88	88	85
Roughness Condition Index (RCI)	88	85	78	78	65

ROUTE: 0013 CAPE ROYAL ROAD

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0013 CAPE ROYAL ROAD
GRCA : GRAND CANYON NATIONAL PARK

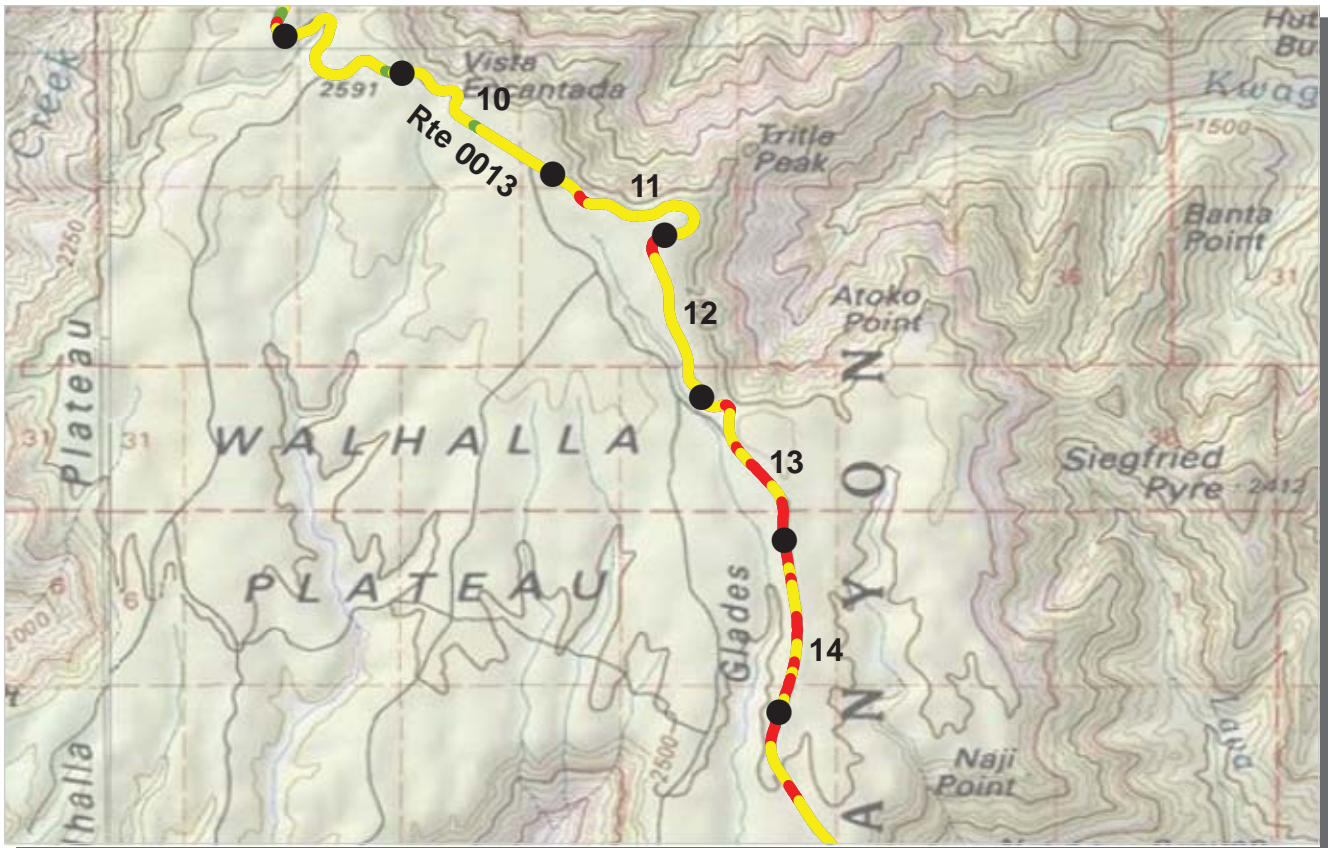
COLLECTED: 10/5/2009
TOTAL LENGTH: 19.83 Miles

INTERMOUNTAIN REGION

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	20	19	20
Lane Width (ft)	9	8	9	8	8
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
Roadway Condition Information					
SCR (Surface Condition Rating)	69	84	82	80	68
PCR (Pavement Condition Rating)	66	81	81	82	72
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	99	100	100	99	99
Transverse Cracking Index	99	99	98	98	97
Patching Index	100	100	100	100	100
Rutting Index	72	85	84	82	72
Roughness Condition Index (RCI)	62	76	80	85	77

ROUTE: 0013 CAPE ROYAL ROAD

NC - Not Collected



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0013 CAPE ROYAL ROAD
GRCA : GRAND CANYON NATIONAL PARK

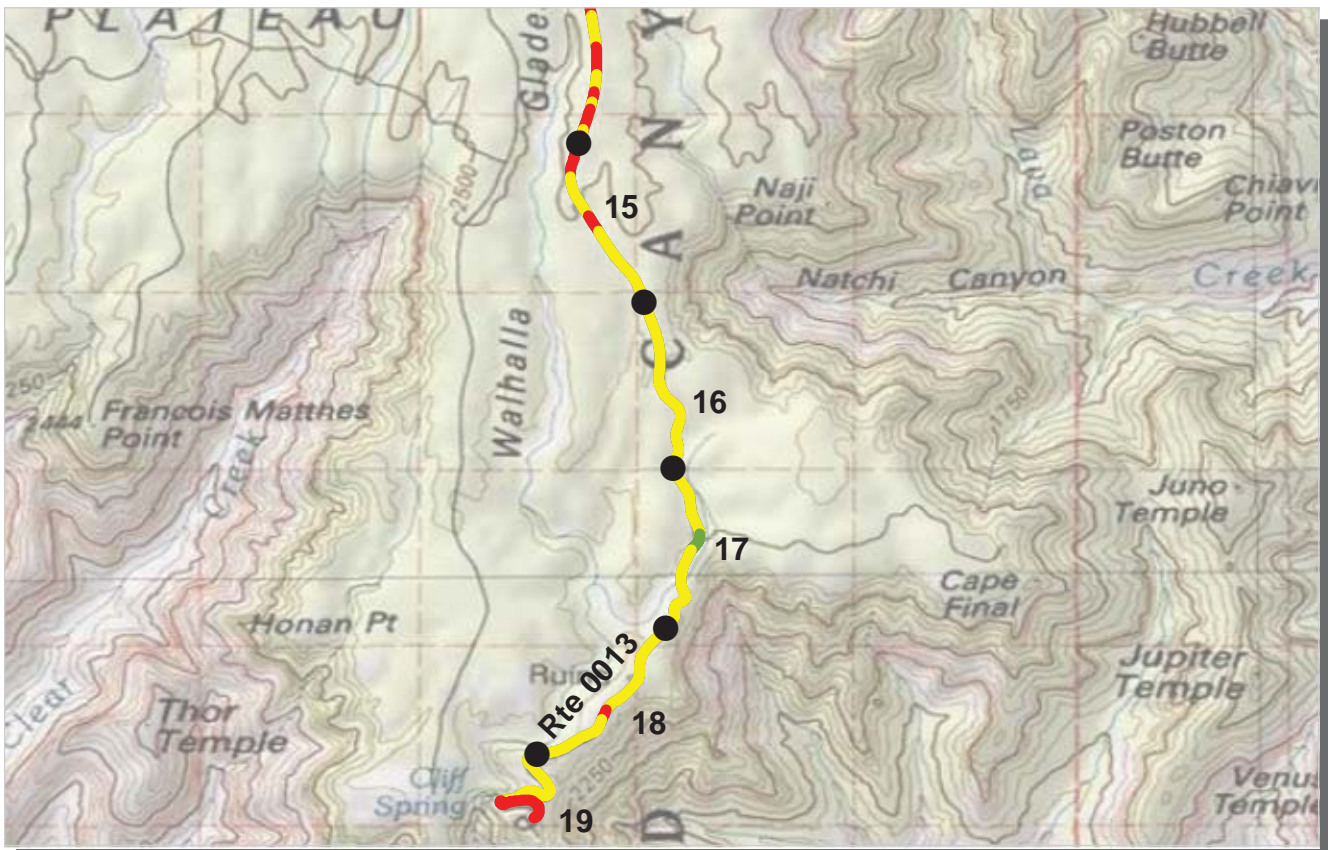
COLLECTED: 10/5/2009
TOTAL LENGTH: 19.83 Miles

INTERMOUNTAIN REGION

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	20	20	20
Lane Width (ft)	8	8	8	8	8
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
Roadway Condition Information					
SCR (Surface Condition Rating)	77	70	68	61	58
PCR (Pavement Condition Rating)	76	70	67	60	58
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	99	99	97	98
Transverse Cracking Index	99	95	96	95	96
Patching Index	100	100	100	100	100
Rutting Index	78	76	73	70	63
Roughness Condition Index (RCI)	74	70	64	58	58

ROUTE: 0013 CAPE ROYAL ROAD

NC - Not Collected



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0013 CAPE ROYAL ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/5/2009
TOTAL LENGTH: 19.83 Miles

INTERMOUNTAIN REGION

Section Number	15	16	17	18	19
Section Length (mi)	1.00	1.00	1.00	1.00	0.83
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	19	20	20	18
Lane Width (ft)	8	8	8	9	8
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
Roadway Condition Information					
SCR (Surface Condition Rating)	62	75	79	77	64
PCR (Pavement Condition Rating)	63	72	76	71	60
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	98	99	99	99	98
Transverse Cracking Index	96	97	97	93	91
Patching Index	100	100	100	100	100
Rutting Index	68	79	84	85	75
Roughness Condition Index (RCI)	64	66	71	62	54

ROUTE: 0013 CAPE ROYAL ROAD

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0014 NORTH ENTRANCE ROAD (HWY 67)
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/4/2009
TOTAL LENGTH: 12.84 Miles

INTERMOUNTAIN REGION

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	28	25	24	26	24
Lane Width (ft)	11	10	9	10	9
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
Roadway Condition Information					
SCR (Surface Condition Rating)	50	51	59	63	64
PCR (Pavement Condition Rating)	63	67	74	77	77
Distress Index Values					
Alligator Cracking Index	97	99	99	99	98
Longitudinal Cracking Index	86	85	88	88	90
Transverse Cracking Index	88	87	92	94	94
Patching Index	100	100	100	100	100
Rutting Index	79	79	80	83	81
Roughness Condition Index (RCI)	83	90	97	97	97

ROUTE: 0014 NORTH ENTRANCE ROAD (HWY 67)



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0014 NORTH ENTRANCE ROAD (HWY 67)
GRCA : GRAND CANYON NATIONAL PARK

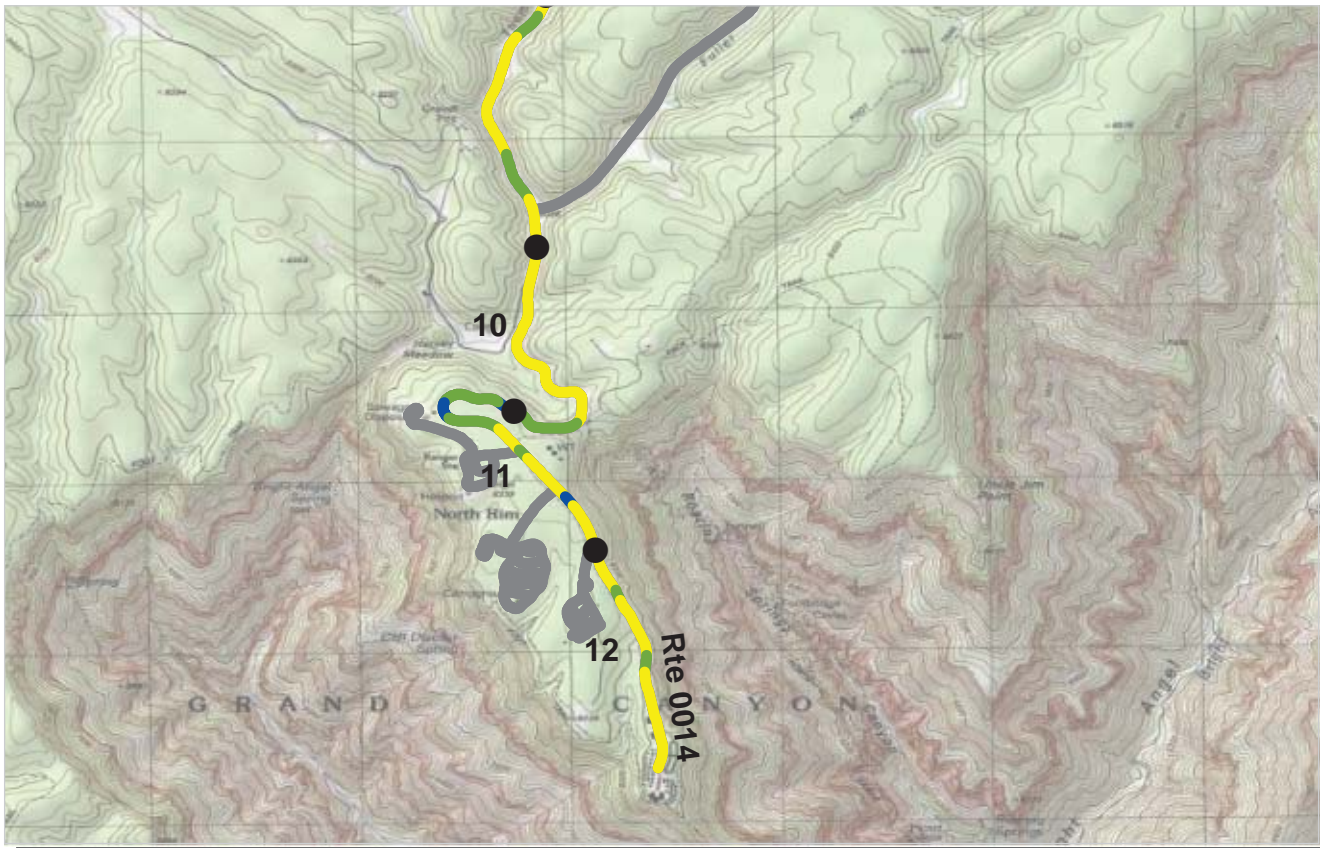
COLLECTED: 10/4/2009
TOTAL LENGTH: 12.84 Miles

INTERMOUNTAIN REGION

Section Number	5	6	7	8	9
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	26	28	27	27	27
Lane Width (ft)	10	11	11	10	10
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
Roadway Condition Information					
SCR (Surface Condition Rating)	68	64	36	45	69
PCR (Pavement Condition Rating)	81	78	59	63	81
Distress Index Values					
Alligator Cracking Index	99	98	94	99	100
Longitudinal Cracking Index	89	87	78	78	89
Transverse Cracking Index	93	95	85	89	95
Patching Index	100	100	100	100	100
Rutting Index	87	85	79	79	85
Roughness Condition Index (RCI)	100	99	93	97	100

ROUTE: 0014 NORTH ENTRANCE ROAD (HWY 67)

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

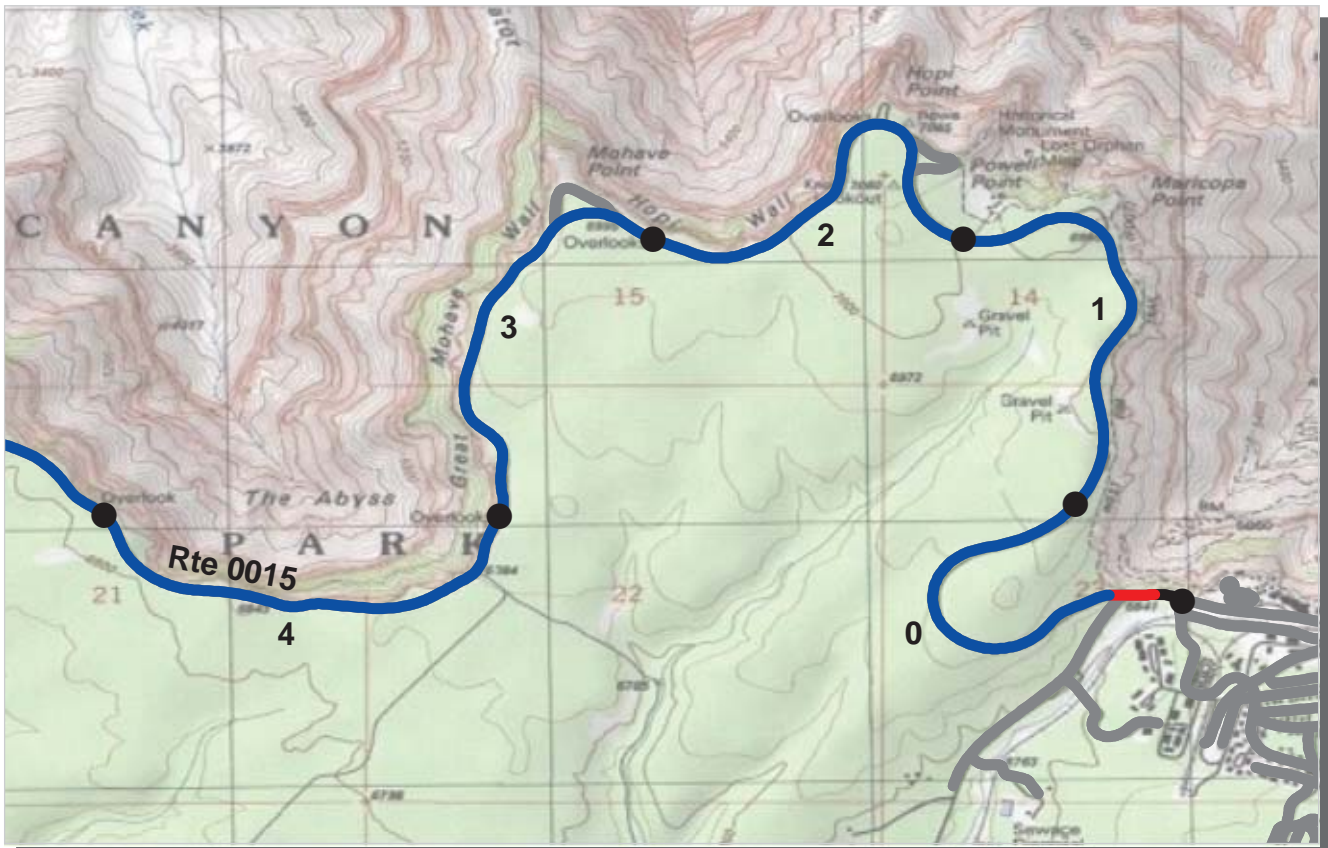
ROUTE: 0014 NORTH ENTRANCE ROAD (HWY 67)
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/4/2009
TOTAL LENGTH: 12.84 Miles

INTERMOUNTAIN REGION

Section Number	10	11	12		
Section Length (mi)	1.00	1.00	0.84		
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	26	27	26		
Lane Width (ft)	10	10	10		
Shoulder Width Right (ft)	NC	NC	NC		
Shoulder Width Left (ft)	NC	NC	NC		
Roadway Condition Information					
SCR (Surface Condition Rating)	69	77	72		
PCR (Pavement Condition Rating)	79	85	78		
Distress Index Values					
Alligator Cracking Index	100	100	100		
Longitudinal Cracking Index	85	89	91		
Transverse Cracking Index	95	98	97		
Patching Index	100	100	100		
Rutting Index	89	91	84		
Roughness Condition Index (RCI)	96	98	89		

ROUTE: 0014 NORTH ENTRANCE ROAD (HWY 67)



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0015 HERMIT REST ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 7.04 Miles

INTERMOUNTAIN REGION

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	25	24	24	24	24
Lane Width (ft)	11	10	10	10	10
Shoulder Width Right (ft)	NC	NC	NC	NC	NC
Shoulder Width Left (ft)	NC	NC	NC	NC	NC
Roadway Condition Information					
SCR (Surface Condition Rating)	99	100	100	100	100
PCR (Pavement Condition Rating)	92	100	100	100	100
Distress Index Values					
Alligator Cracking Index	100	100	100	100	100
Longitudinal Cracking Index	100	100	100	100	100
Transverse Cracking Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Rutting Index	100	100	100	100	100
Roughness Condition Index (RCI)	91	100	100	100	100

ROUTE: 0015 HERMIT REST ROAD

NC - Not Collected



PCR Poor Fair Good Excellent No Data
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

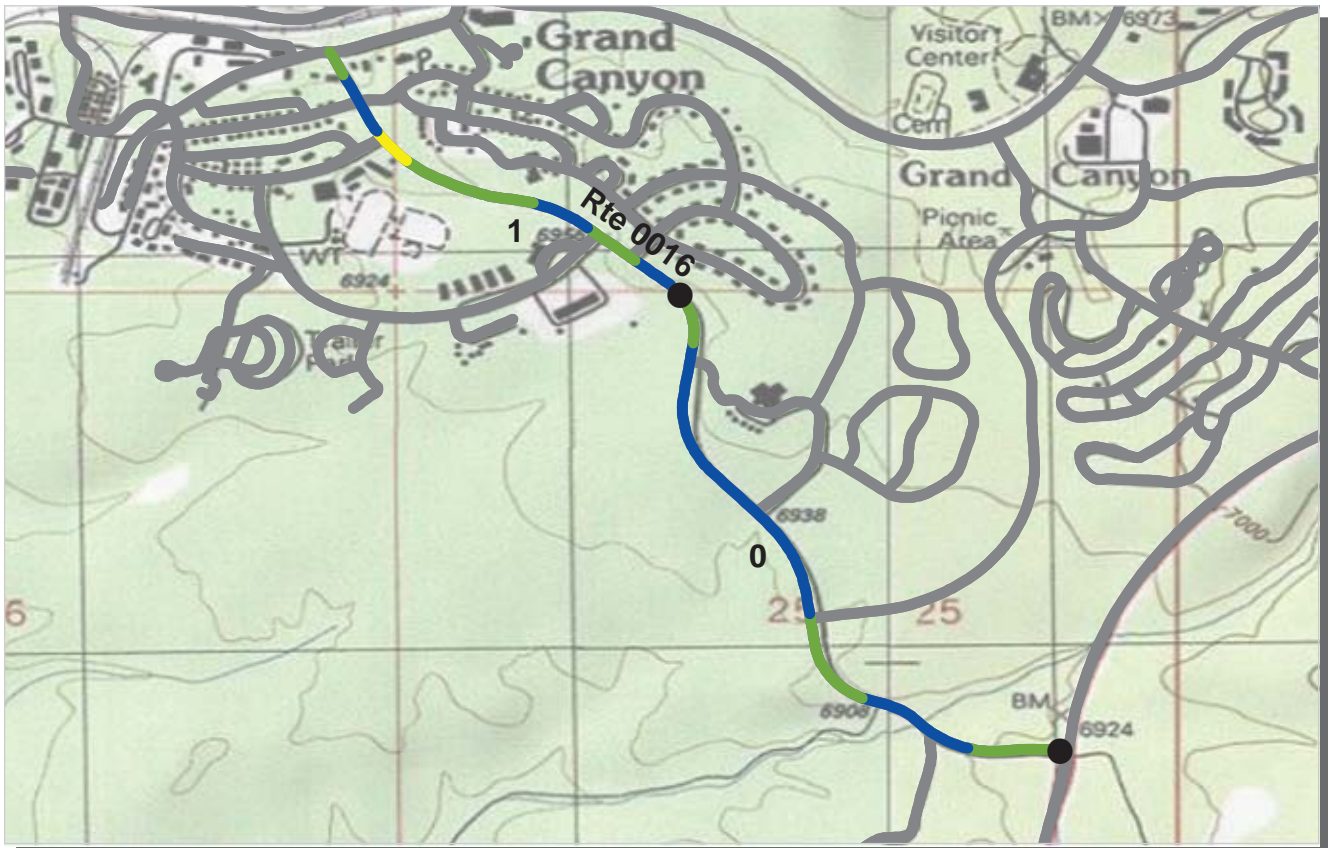
ROUTE: 0015 HERMIT REST ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 7.04 Miles

INTERMOUNTAIN REGION

Section Number	5	6	7		
Section Length (mi)	1.00	1.00	0.04		
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	24	24	23		
Lane Width (ft)	10	10	11		
Shoulder Width Right (ft)	NC	NC	NC		
Shoulder Width Left (ft)	NC	NC	NC		
Roadway Condition Information					
SCR (Surface Condition Rating)	100	100	100		
PCR (Pavement Condition Rating)	100	100	100		
Distress Index Values					
Alligator Cracking Index	100	100	100		
Longitudinal Cracking Index	100	100	100		
Transverse Cracking Index	100	100	100		
Patching Index	100	100	100		
Rutting Index	100	100	100		
Roughness Condition Index (RCI)	99	100	100		

ROUTE: 0015 HERMIT REST ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0016 CENTER ROAD
GRCA : GRAND CANYON NATIONAL PARK

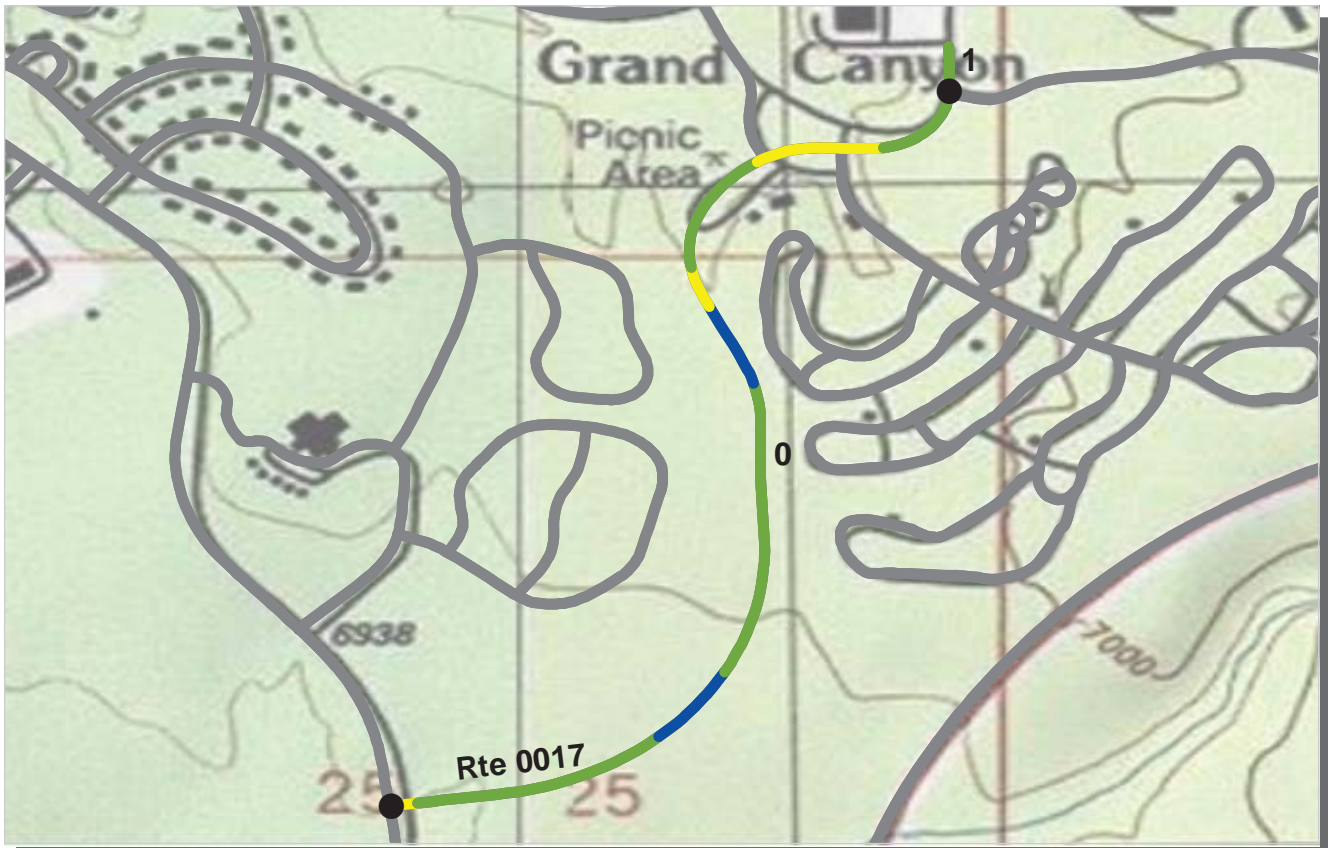
COLLECTED: 10/6/2009
TOTAL LENGTH: 1.61 Miles

INTERMOUNTAIN REGION

Section Number	0	1			
Section Length (mi)	1.00	0.61			
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	3	2			
Paved Width (ft)	23	24			
Lane Width (ft)	10	10			
Shoulder Width Right (ft)	NC	NC			
Shoulder Width Left (ft)	NC	NC			
Roadway Condition Information					
SCR (Surface Condition Rating)	94	87			
PCR (Pavement Condition Rating)	95	90			
Distress Index Values					
Alligator Cracking Index	100	100			
Longitudinal Cracking Index	99	100			
Transverse Cracking Index	98	100			
Patching Index	100	100			
Rutting Index	97	88			
Roughness Condition Index (RCI)	96	94			

ROUTE: 0016 CENTER ROAD

NC - Not Collected



PCR Poor (≤60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

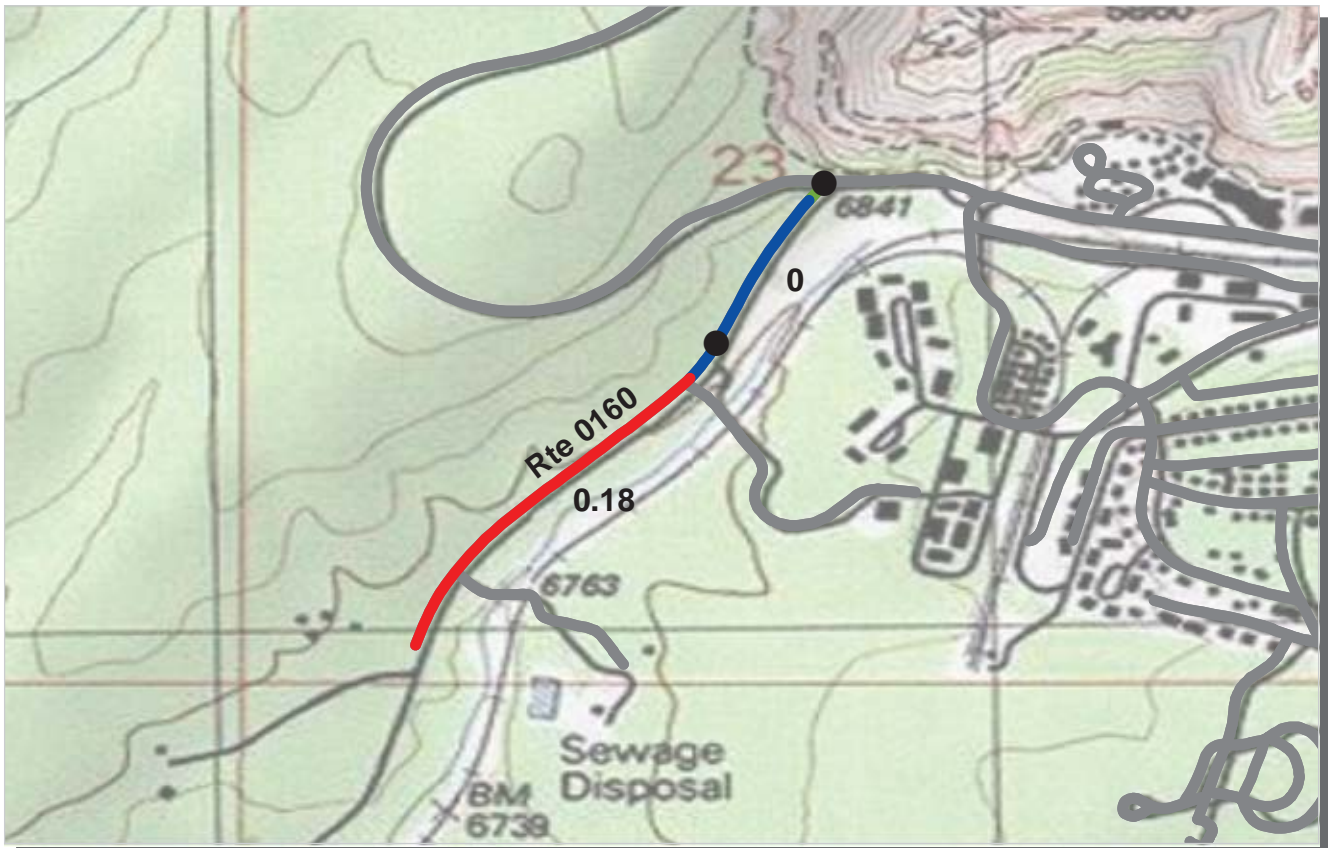
ROUTE: 0017 MARKET PLAZA ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 1.04 Miles

INTERMOUNTAIN REGION

Section Number	0	1			
Section Length (mi)	1.00	0.04			
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	27	27			
Lane Width (ft)	12	12			
Shoulder Width Right (ft)	NC	NC			
Shoulder Width Left (ft)	NC	NC			
Roadway Condition Information					
SCR (Surface Condition Rating)	86	90			
PCR (Pavement Condition Rating)	90	92			
Distress Index Values					
Alligator Cracking Index	100	100			
Longitudinal Cracking Index	100	100			
Transverse Cracking Index	100	100			
Patching Index	100	100			
Rutting Index	87	90			
Roughness Condition Index (RCI)	98	95			

ROUTE: 0017 MARKET PLAZA ROAD



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

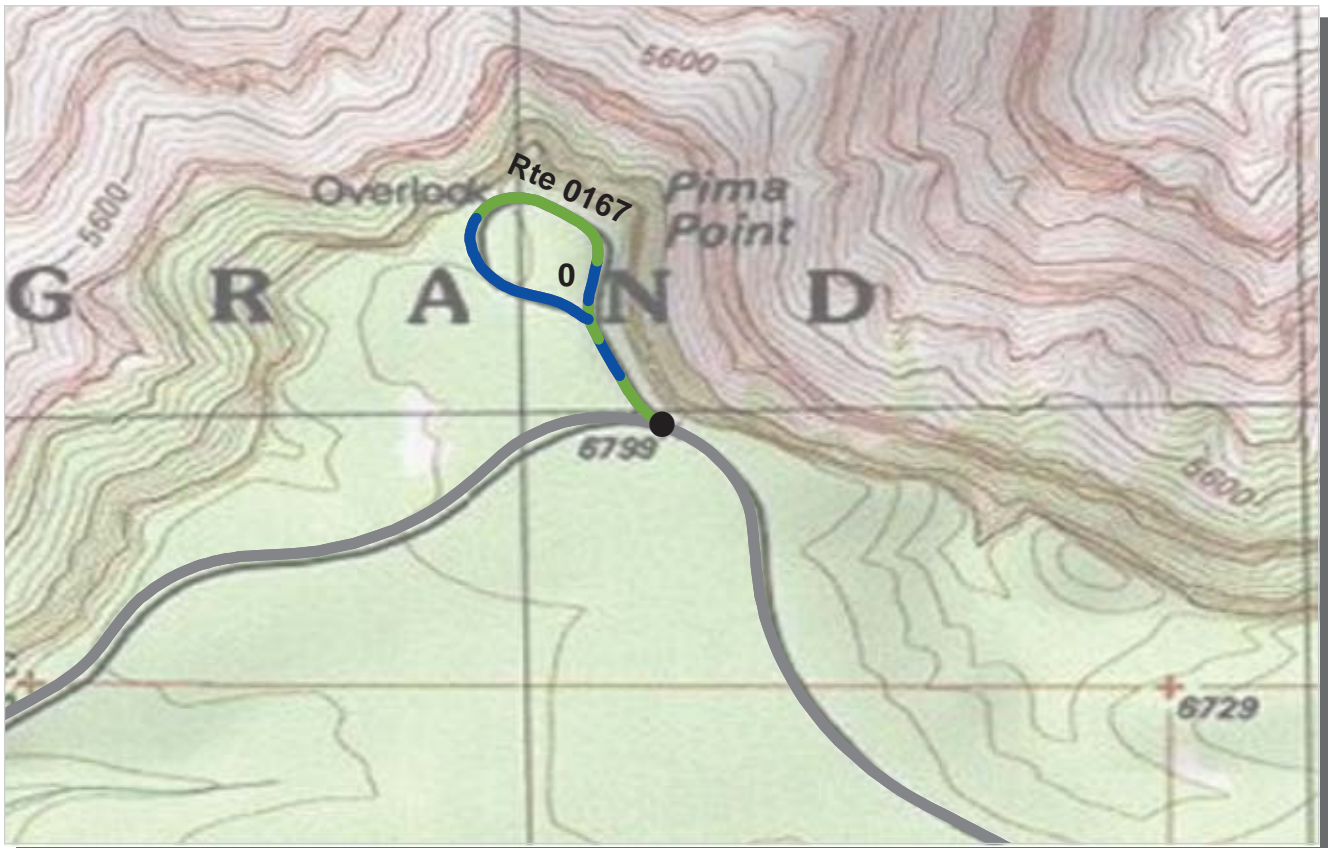
ROUTE: 0160 ROWE WELL ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.56 Miles

INTERMOUNTAIN REGION

Section Number	0	0.18			
Section Length (mi)	0.17	0.39			
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	21	21			
Lane Width (ft)	10	10			
Shoulder Width Right (ft)	NC	NC			
Shoulder Width Left (ft)	NC	NC			
Roadway Condition Information					
SCR (Surface Condition Rating)	98	23			
PCR (Pavement Condition Rating)	98	32			
Distress Index Values					
Alligator Cracking Index	100	40			
Longitudinal Cracking Index	100	100			
Transverse Cracking Index	100	100			
Patching Index	100	100			
Rutting Index	99	82			
Roughness Condition Index (RCI)	99	38			

ROUTE: 0160 ROWE WELL ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0167 PIMA POINT ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.47 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.47				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	27				
Lane Width (ft)	16				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	95				
PCR (Pavement Condition Rating)	91				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	98				
Rutting Index	98				
Roughness Condition Index (RCI)	84				

ROUTE: 0167 PIMA POINT ROAD

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0168 MOHAVE POINT ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.22 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.22				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	24				
Lane Width (ft)	24				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	98				
PCR (Pavement Condition Rating)	89				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	99				
Rutting Index	99				
Roughness Condition Index (RCI)	71				

ROUTE: 0168 MOHAVE POINT ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

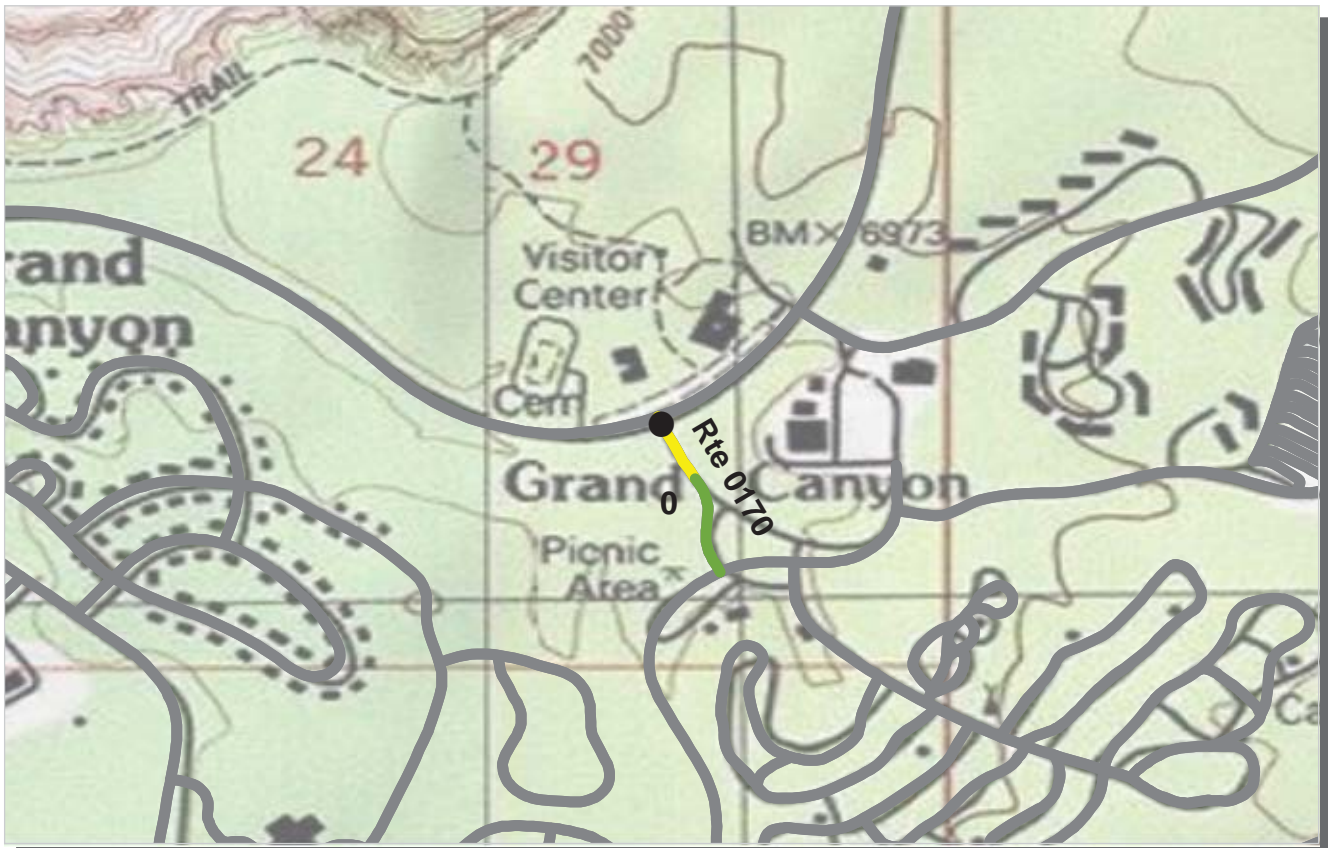
ROUTE: 0169 POWELL MEMORIAL ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.19 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.19				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	21				
Lane Width (ft)	21				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	95				
PCR (Pavement Condition Rating)	94				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	95				
Roughness Condition Index (RCI)	54				

ROUTE: 0169 POWELL MEMORIAL ROAD



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0170 ZUNI WAY
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.15 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.15				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	30				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	81				
PCR (Pavement Condition Rating)	82				
Distress Index Values					
Alligator Cracking Index	96				
Longitudinal Cracking Index	88				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	98				
Roughness Condition Index (RCI)	94				

ROUTE: 0170 ZUNI WAY



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0171 DESERT VIEW GAS STATION ACCESS ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.35 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.35				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	97				
PCR (Pavement Condition Rating)	76				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	97				
Roughness Condition Index (RCI)	64				

ROUTE: 0171 DESERT VIEW GAS STATION ACCESS ROAD

NC - Not Collected



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0172 DESERT VIEW ACCESS ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.21 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.21				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	3				
Paved Width (ft)	36				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	98				
PCR (Pavement Condition Rating)	97				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	99				
Roughness Condition Index (RCI)	91				

ROUTE: 0172 DESERT VIEW ACCESS ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

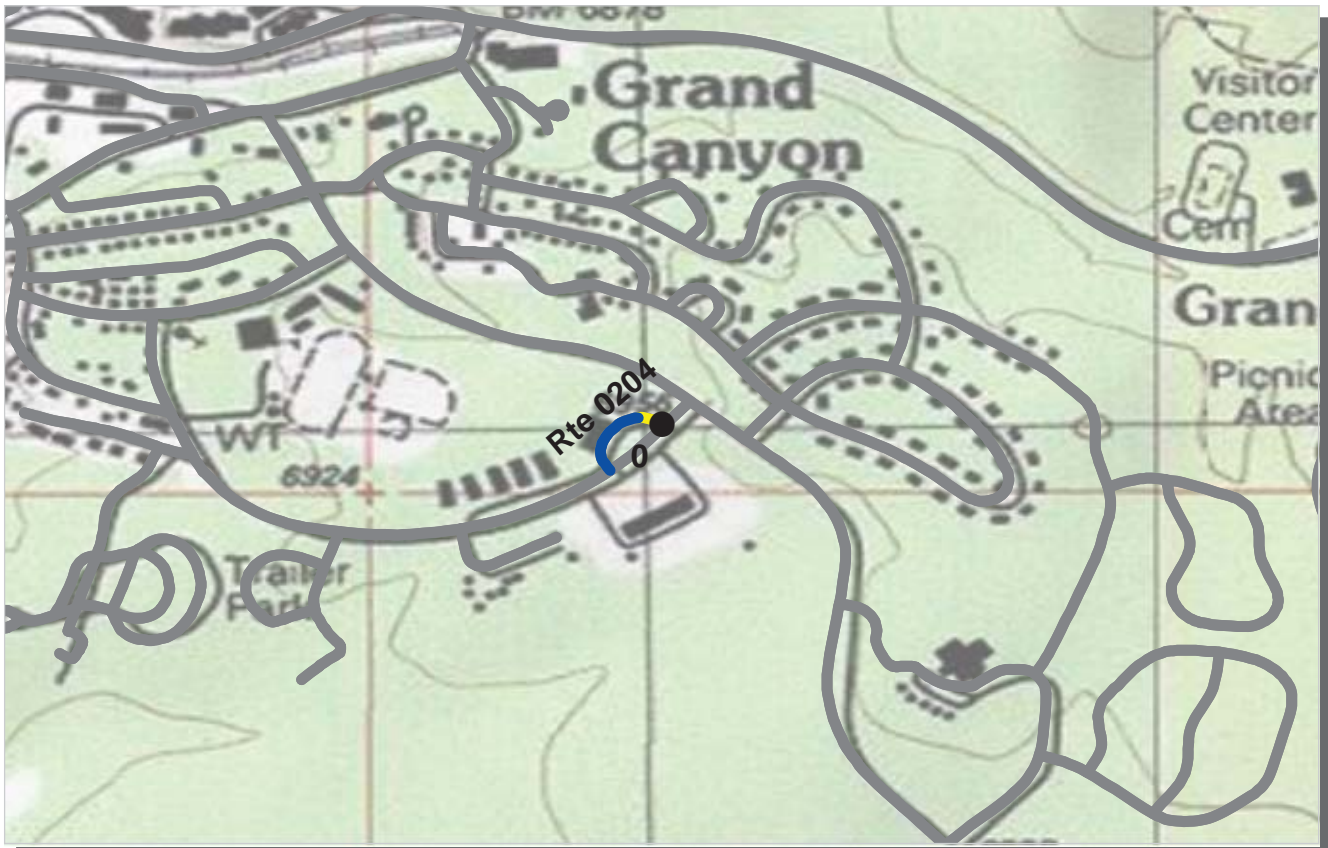
ROUTE: 0201 NORTH RIM CAMPGROUND ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/4/2009
TOTAL LENGTH: 0.26 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.26				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	41				
PCR (Pavement Condition Rating)	43				
Distress Index Values					
Alligator Cracking Index	79				
Longitudinal Cracking Index	86				
Transverse Cracking Index	94				
Patching Index	99				
Rutting Index	83				
Roughness Condition Index (RCI)	49				

ROUTE: 0201 NORTH RIM CAMPGROUND ROAD



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0204 NPS ACADEMY LOOP ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.08 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.08				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	89				
PCR (Pavement Condition Rating)	89				
Distress Index Values					
Alligator Cracking Index	99				
Longitudinal Cracking Index	100				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	92				
Roughness Condition Index (RCI)	NC				

ROUTE: 0204 NPS ACADEMY LOOP ROAD



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0262 YAKI POINT ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 1.10 Miles

INTERMOUNTAIN REGION

Section Number	0	1			
Section Length (mi)	1.00	0.10			
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	1			
Paved Width (ft)	22	21			
Lane Width (ft)	11	21			
Shoulder Width Right (ft)	NC	NC			
Shoulder Width Left (ft)	NC	NC			
Roadway Condition Information					
SCR (Surface Condition Rating)	10	3			
PCR (Pavement Condition Rating)	21	3			
Distress Index Values					
Alligator Cracking Index	28	19			
Longitudinal Cracking Index	98	99			
Transverse Cracking Index	98	98			
Patching Index	85	100			
Rutting Index	86	69			
Roughness Condition Index (RCI)	38	NC			

ROUTE: 0262 YAKI POINT ROAD



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0263 KAIBAB TRAIL ACCESS ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.20 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.20				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	27				
PCR (Pavement Condition Rating)	25				
Distress Index Values					
Alligator Cracking Index	77				
Longitudinal Cracking Index	95				
Transverse Cracking Index	92				
Patching Index	83				
Rutting Index	77				
Roughness Condition Index (RCI)	29				

ROUTE: 0263 KAIBAB TRAIL ACCESS ROAD



PCR Poor █ Fair █ Good █ Excellent █ No Data █
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

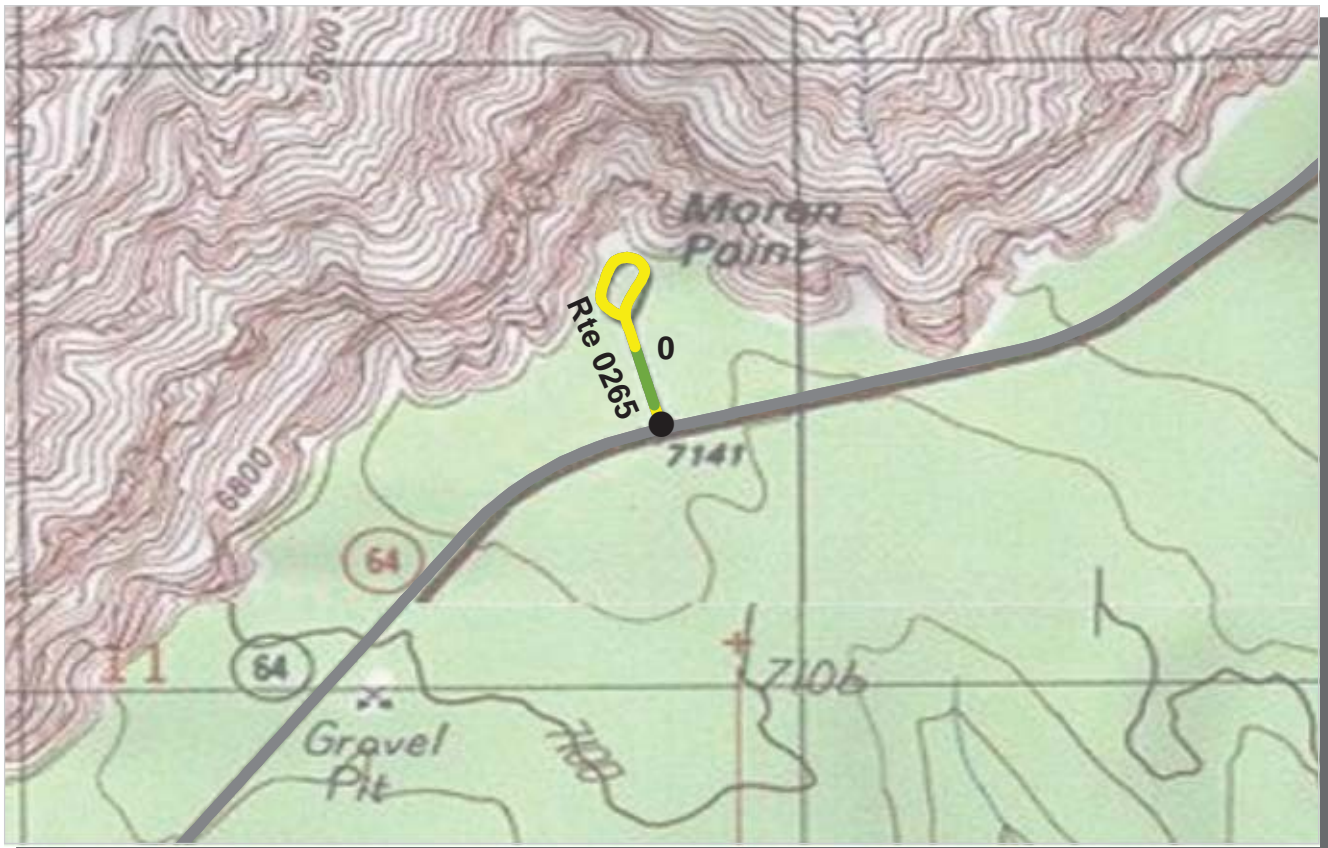
ROUTE: 0264 GRANDVIEW POINT ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.77 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.77				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	85				
PCR (Pavement Condition Rating)	82				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	97				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	91				
Roughness Condition Index (RCI)	78				

ROUTE: 0264 GRANDVIEW POINT ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0265 MORAN POINT ROAD
GRCA : GRAND CANYON NATIONAL PARK

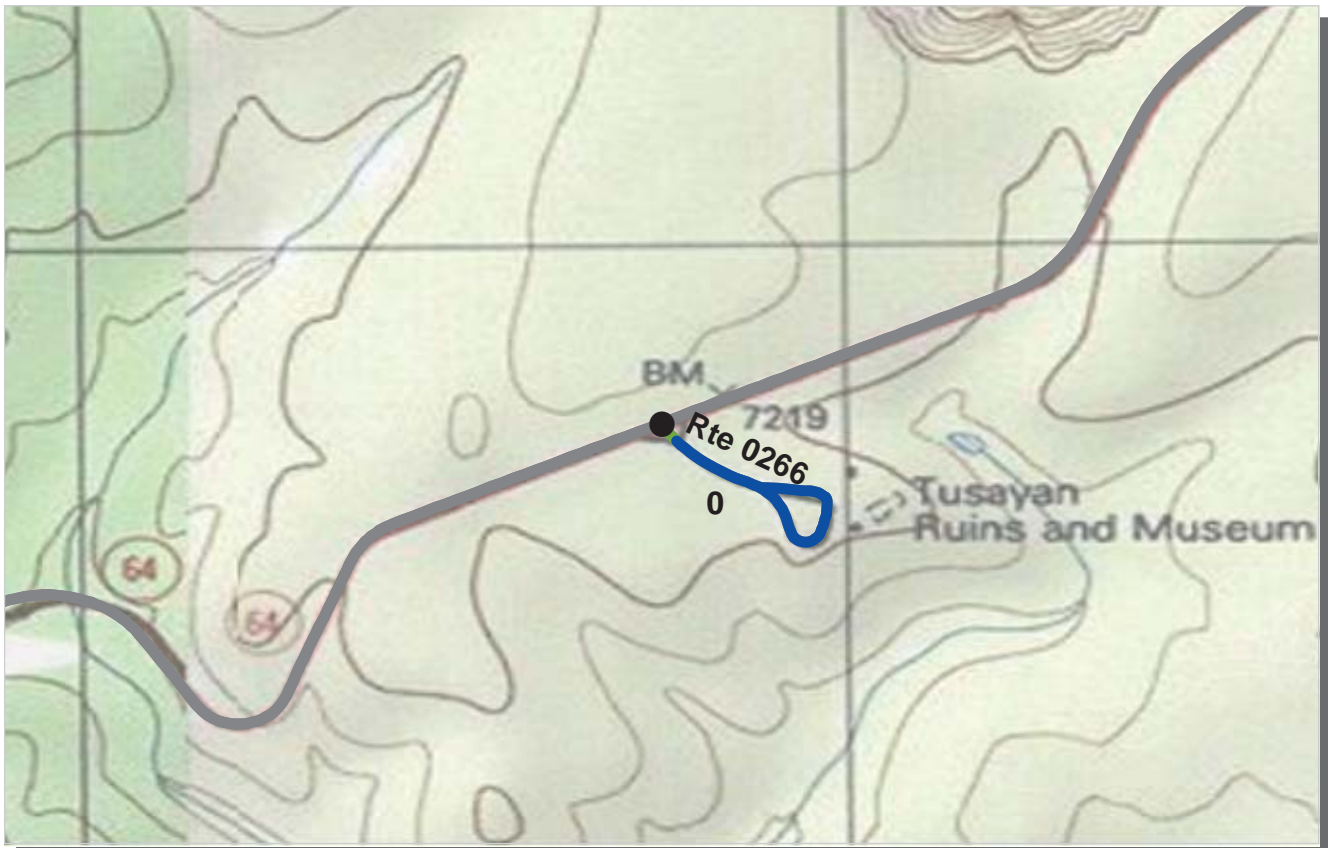
COLLECTED: 10/8/2009
TOTAL LENGTH: 0.25 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.25				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	81				
PCR (Pavement Condition Rating)	79				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	98				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	86				
Roughness Condition Index (RCI)	65				

ROUTE: 0265 MORAN POINT ROAD

NC - Not Collected



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

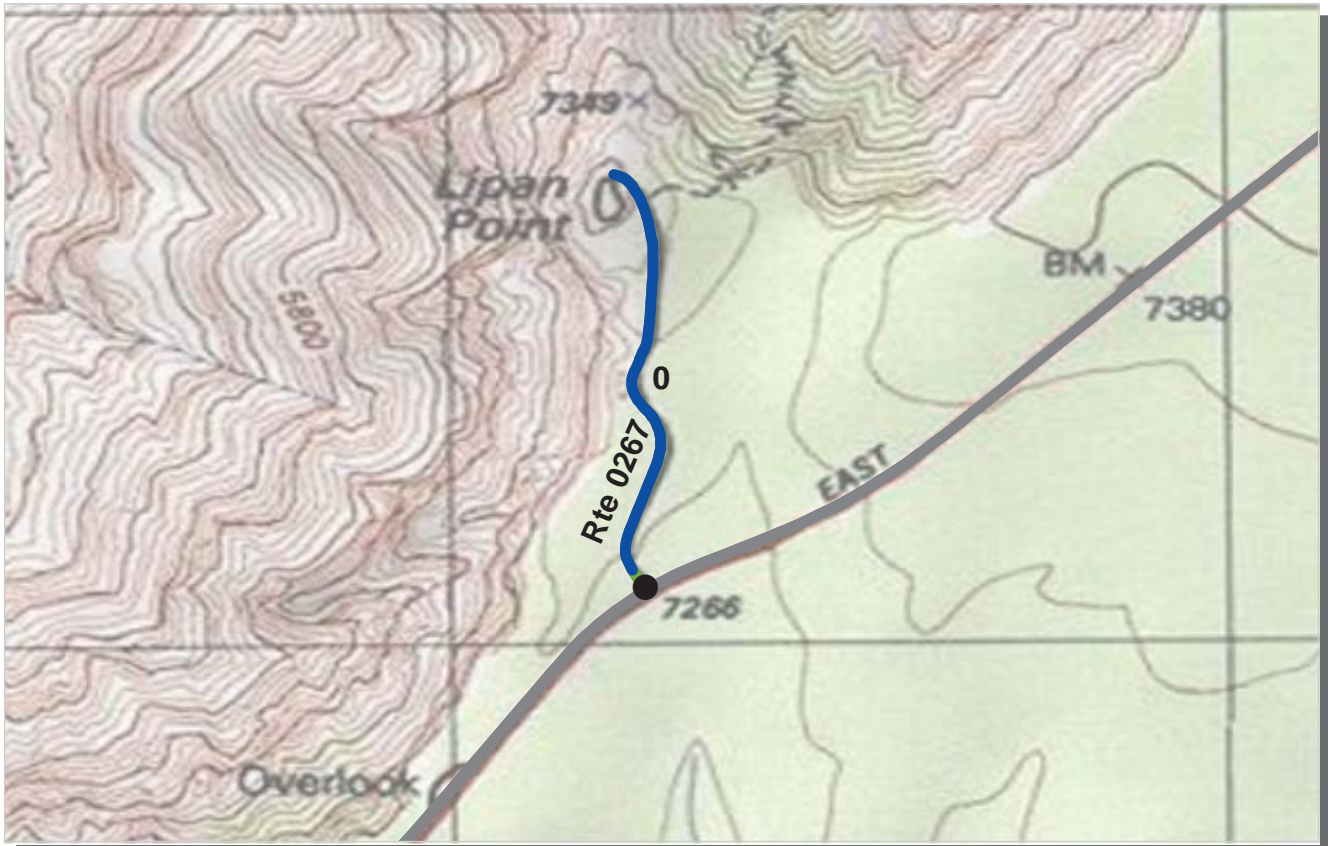
ROUTE: 0266 TUSAYAN RUIN ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.27 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.27				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	98				
PCR (Pavement Condition Rating)	98				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	99				
Roughness Condition Index (RCI)	93				

ROUTE: 0266 TUSAYAN RUIN ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

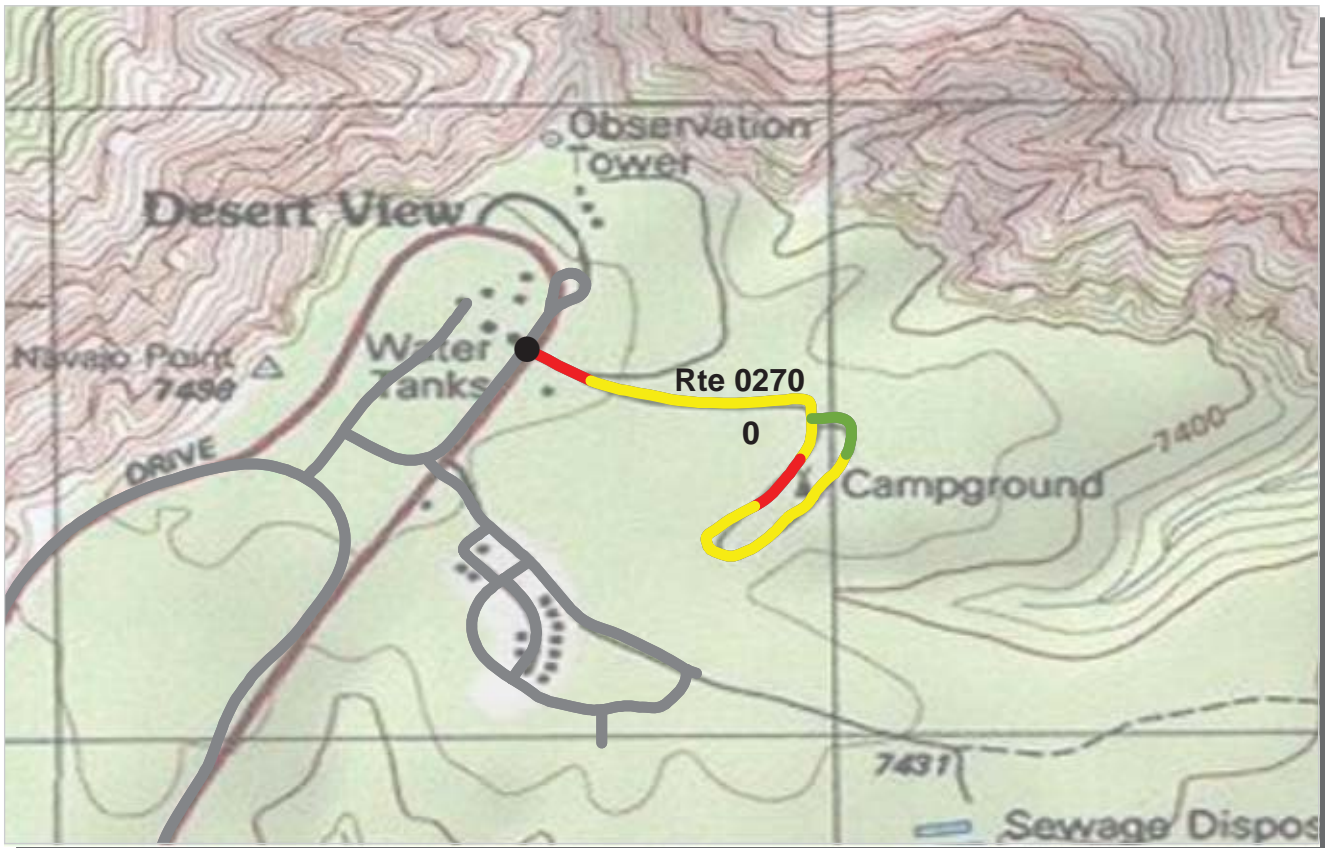
ROUTE: 0267 LIPAN POINT ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.44 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.44				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	99				
PCR (Pavement Condition Rating)	98				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	99				
Roughness Condition Index (RCI)	97				

ROUTE: 0267 LIPAN POINT ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0270 DESERT VIEW CAMPGROUND
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.64 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.64				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	79				
PCR (Pavement Condition Rating)	67				
Distress Index Values					
Alligator Cracking Index	98				
Longitudinal Cracking Index	97				
Transverse Cracking Index	98				
Patching Index	100				
Rutting Index	87				
Roughness Condition Index (RCI)	37				

ROUTE: 0270 DESERT VIEW CAMPGROUND

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0271 MATHER CAMPGROUND ACCESS ROAD
GRCA : GRAND CANYON NATIONAL PARK

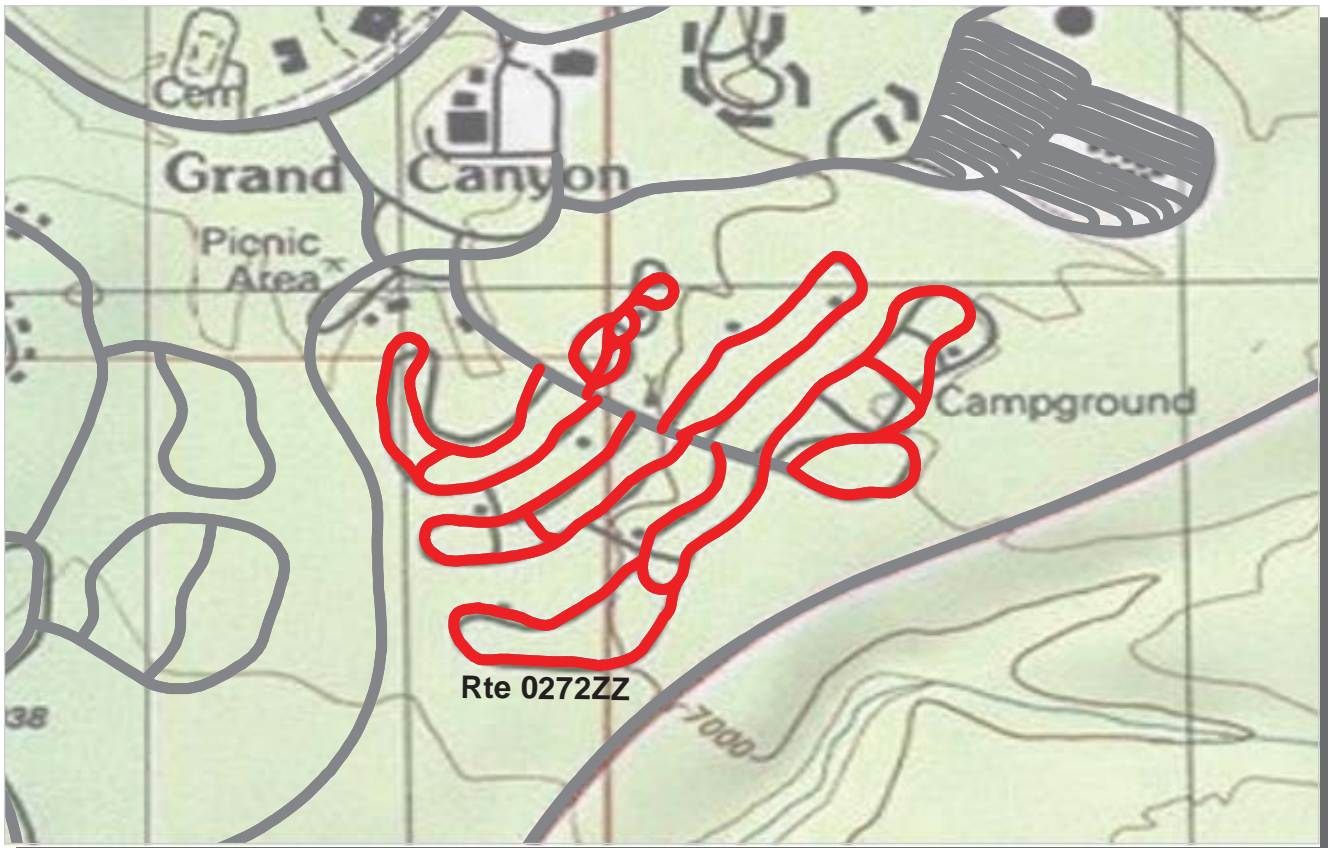
COLLECTED: 10/8/2009
TOTAL LENGTH: 0.37 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.37				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	32				
PCR (Pavement Condition Rating)	43				
Distress Index Values					
Alligator Cracking Index	49				
Longitudinal Cracking Index	99				
Transverse Cracking Index	99				
Patching Index	99				
Rutting Index	85				
Roughness Condition Index (RCI)	52				

ROUTE: 0271 MATHER CAMPGROUND ACCESS ROAD

NC - Not Collected



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0272ZZ MATHER CAMPGROUND ROADS
GRCA : GRAND CANYON NATIONAL PARK

Summary Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 3.53 Miles**

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	11				
PCR (Pavement Condition Rating)	14				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0272ZZ MATHER CAMPGROUND ROADS

NC - Not Collected



PCR Poor (≤60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

**ROUTE: 0272AAZ MATHER CAMPGROUND ASPEN LOOP CUT THRU
GRCA : GRAND CANYON NATIONAL PARK**

Subcomponent Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION TOTAL LENGTH: 0.04 Miles

Section Number	0				
Section Length (mi)	0.04				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	40				
PCR (Pavement Condition Rating)	40				
Distress Index Values					
Alligator Cracking Index	81				
Longitudinal Cracking Index	89				
Transverse Cracking Index	84				
Patching Index	100				
Rutting Index	87				
Roughness Condition Index (RCI)	NC				

ROUTE: 0272AAZ MATHER CAMPGROUND ASPEN LOOP CUT THRU

NC - Not Collected



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0272BZ MATHER CAMPGROUND SAGE LOOP 1
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION TOTAL LENGTH: 0.19 Miles

Section Number	0				
Section Length (mi)	0.19				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	7				
PCR (Pavement Condition Rating)	7				
Distress Index Values					
Alligator Cracking Index	30				
Longitudinal Cracking Index	97				
Transverse Cracking Index	98				
Patching Index	100				
Rutting Index	78				
Roughness Condition Index (RCI)	NC				

ROUTE: 0272BZ MATHER CAMPGROUND SAGE LOOP 1

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0272CZ MATHER CAMPGROUND SAGE LOOP 2
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

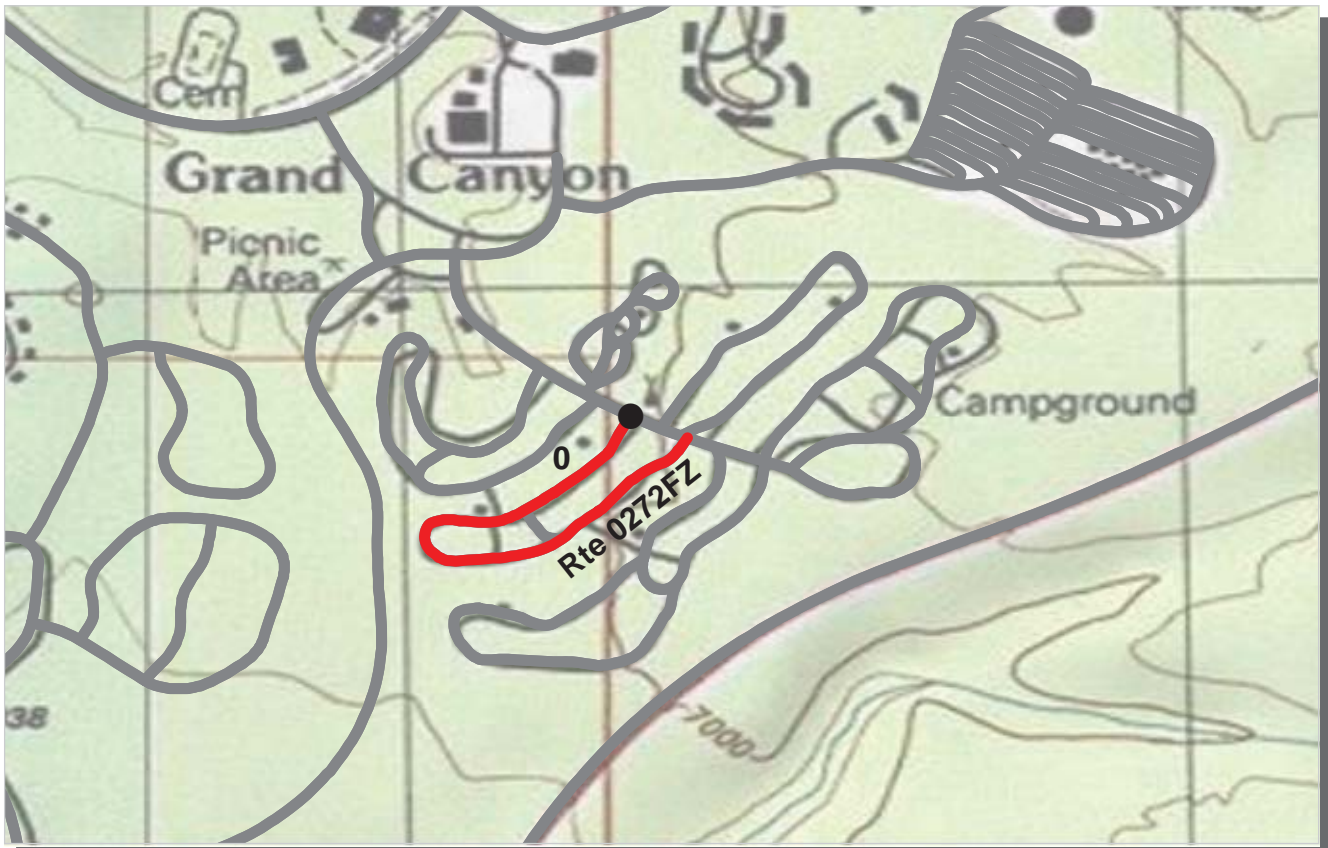
COLLECTED: 10/8/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.07 Miles

Section Number	0				
Section Length (mi)	0.07				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	17				
PCR (Pavement Condition Rating)	17				
Distress Index Values					
Alligator Cracking Index	40				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	78				
Roughness Condition Index (RCI)	NC				

ROUTE: 0272CZ MATHER CAMPGROUND SAGE LOOP 2



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

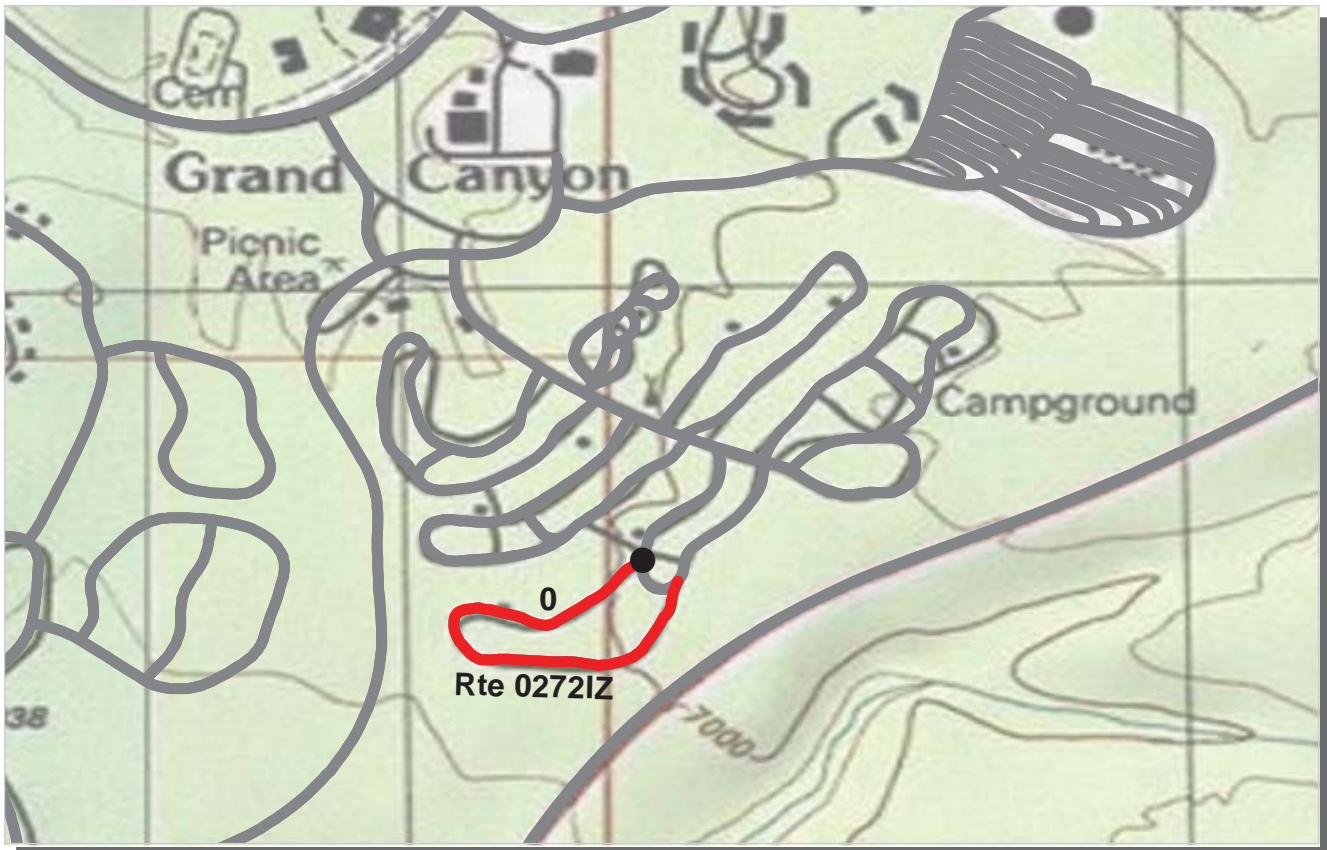
ROUTE: 0272FZ MATHER CAMPGROUND FIR LOOP
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 0.49 Miles**

Section Number	0				
Section Length (mi)	0.49				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	18				
PCR (Pavement Condition Rating)	24				
Distress Index Values					
Alligator Cracking Index	43				
Longitudinal Cracking Index	97				
Transverse Cracking Index	96				
Patching Index	100				
Rutting Index	81				
Roughness Condition Index (RCI)	46				

ROUTE: 0272FZ MATHER CAMPGROUND FIR LOOP

NC - Not Collected



PCR	Poor		Fair		Good		Excellent		No Data	
		(<=60)		(61 - 84)		(85 - 94)		(95 - 100)		

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

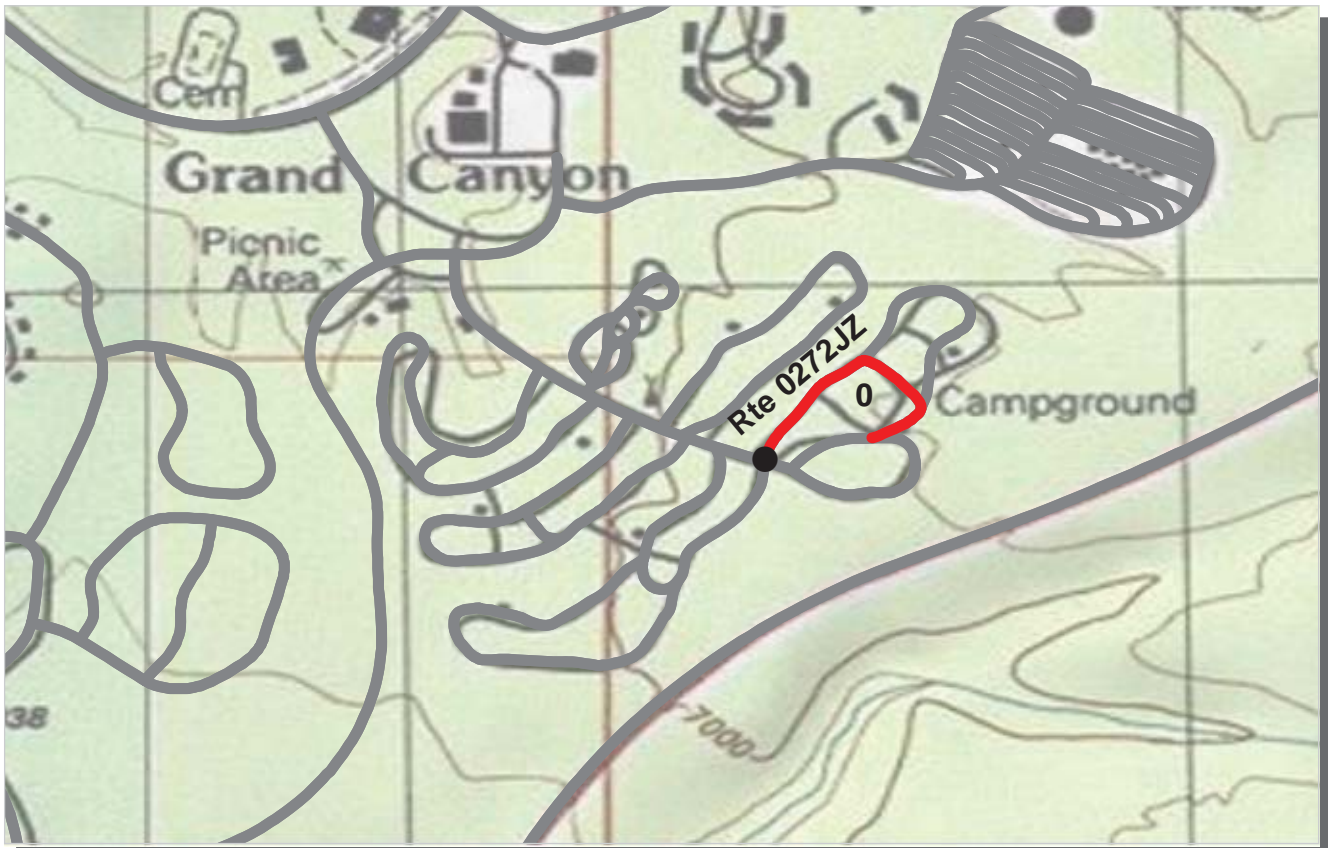
ROUTE: 0272IZ MATHER CAMPGROUND JUNIPER LOOP 2
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 10/8/2009
INTERMOUNTAIN REGION TOTAL LENGTH: 0.44 Miles

Section Number	0				
Section Length (mi)	0.44				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	2				
PCR (Pavement Condition Rating)	7				
Distress Index Values					
Alligator Cracking Index	25				
Longitudinal Cracking Index	98				
Transverse Cracking Index	99				
Patching Index	99				
Rutting Index	72				
Roughness Condition Index (RCI)	40				

NC - Not Collected

ROUTE: 0272IZ MATHER CAMPGROUND JUNIPER LOOP 2



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0272JZ MATHER CAMPGROUND OAK LOOP 1
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION TOTAL LENGTH: 0.25 Miles

Section Number	0				
Section Length (mi)	0.25				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	8				
PCR (Pavement Condition Rating)	8				
Distress Index Values					
Alligator Cracking Index	36				
Longitudinal Cracking Index	95				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	79				
Roughness Condition Index (RCI)	35				

ROUTE: 0272JZ MATHER CAMPGROUND OAK LOOP 1



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

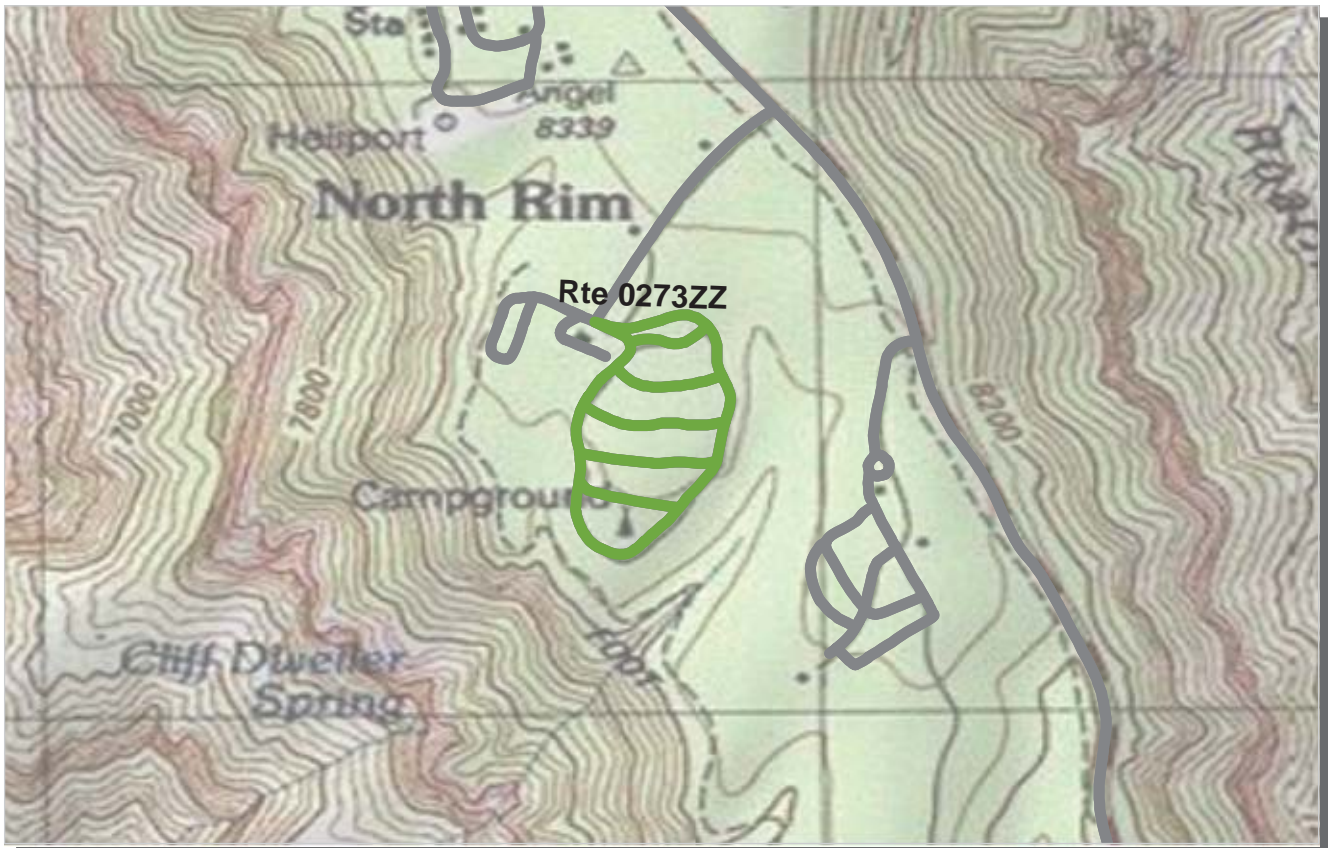
ROUTE: 0272KZ MATHER CAMPGROUND OAK LOOP 2
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION TOTAL LENGTH: 0.24 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.24				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	7				
PCR (Pavement Condition Rating)	11				
<i>Distress Index Values</i>					
Alligator Cracking Index	29				
Longitudinal Cracking Index	98				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	77				
Roughness Condition Index (RCI)	31				

ROUTE: 0272KZ MATHER CAMPGROUND OAK LOOP 2

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0273ZZ NORTH RIM CAMPGROUND ROADS
GRCA : GRAND CANYON NATIONAL PARK

Summary Record **COLLECTED: 10/4/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 1.08 Miles**

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	89				
PCR (Pavement Condition Rating)	85				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0273ZZ NORTH RIM CAMPGROUND ROADS

NC - Not Collected



PCR	Poor		Fair		Good		Excellent		No Data	
		(<=60)		(61 - 84)		(85 - 94)		(95 - 100)		

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

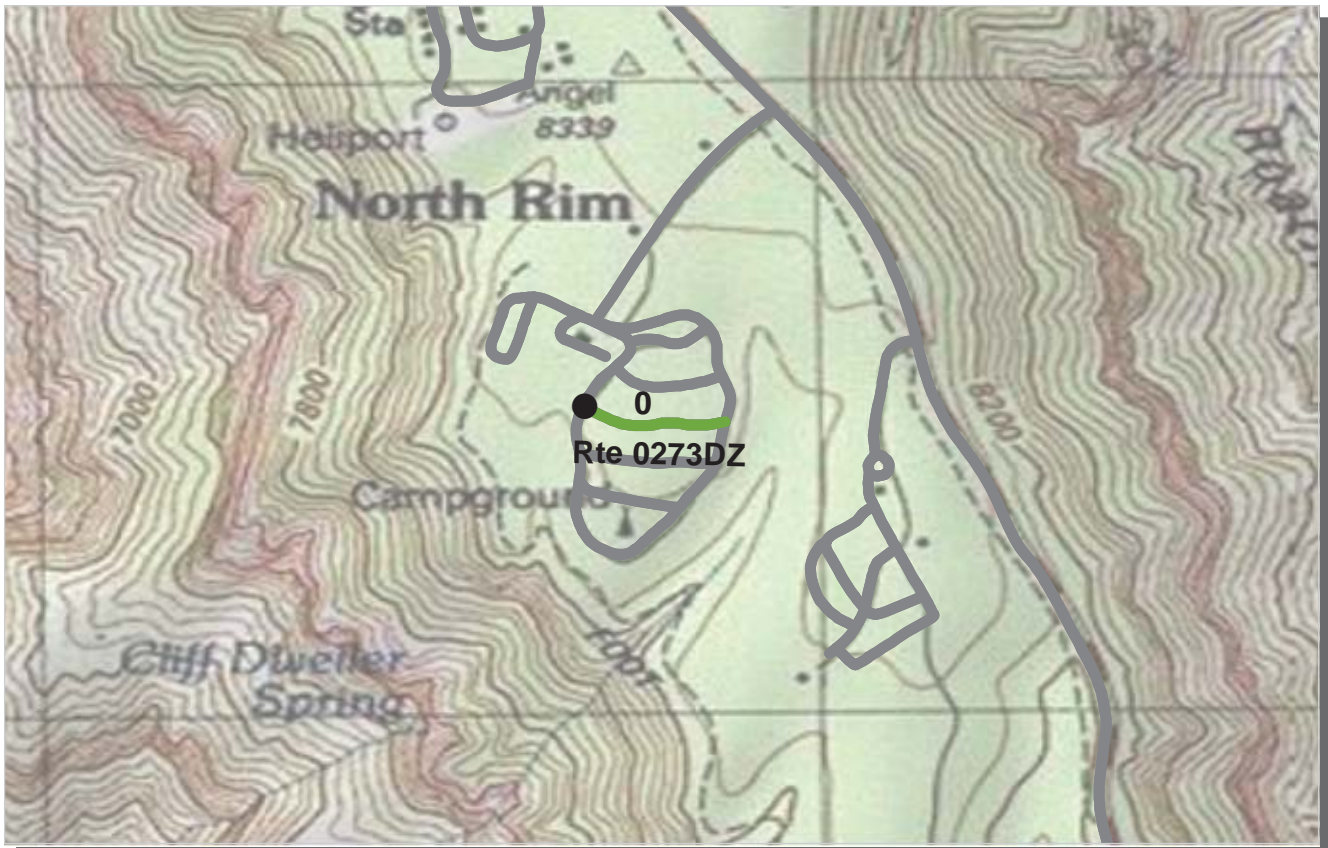
ROUTE: 0273AZ NORTH RIM CAMPGROUND OUTER LOOP
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/4/2009**
INTERMOUNTAIN REGION TOTAL LENGTH: 0.63 Miles

Section Number	0				
Section Length (mi)	0.63				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	14				
Lane Width (ft)	14				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	90				
PCR (Pavement Condition Rating)	84				
Distress Index Values					
Alligator Cracking Index	99				
Longitudinal Cracking Index	99				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	94				
Roughness Condition Index (RCI)	33				

ROUTE: 0273AZ NORTH RIM CAMPGROUND OUTER LOOP

NC - Not Collected



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0273DZ NORTH RIM CAMPGROUND SITES 64 TO 73
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/4/2009**
INTERMOUNTAIN REGION TOTAL LENGTH: 0.11 Miles

Section Number	0				
Section Length (mi)	0.11				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	91				
PCR (Pavement Condition Rating)	91				
Distress Index Values					
Alligator Cracking Index	99				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	92				
Roughness Condition Index (RCI)	NC				

ROUTE: 0273DZ NORTH RIM CAMPGROUND SITES 64 TO 73



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0273EZ NORTH RIM CAMPGROUND SITES 53 TO 63
GRCA : GRAND CANYON NATIONAL PARK

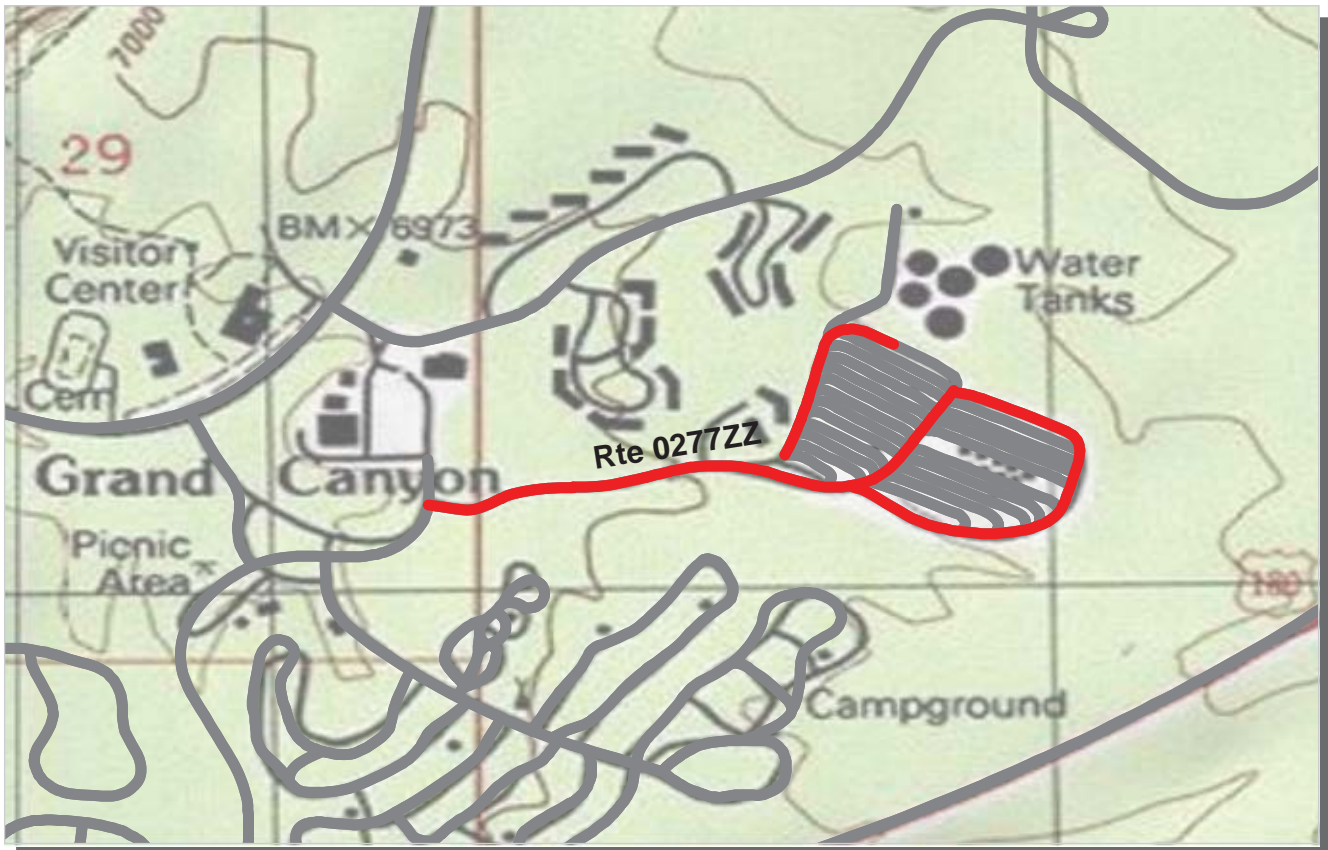
Subcomponent Record

COLLECTED: 10/4/2009
TOTAL LENGTH: 0.11 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.11				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	89				
PCR (Pavement Condition Rating)	89				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	89				
Roughness Condition Index (RCI)	NC				

ROUTE: 0273EZ NORTH RIM CAMPGROUND SITES 53 TO 63



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0277ZZ TRAILER VILLAGE OUTER LOOP ROADS
GRCA : GRAND CANYON NATIONAL PARK

Summary Record

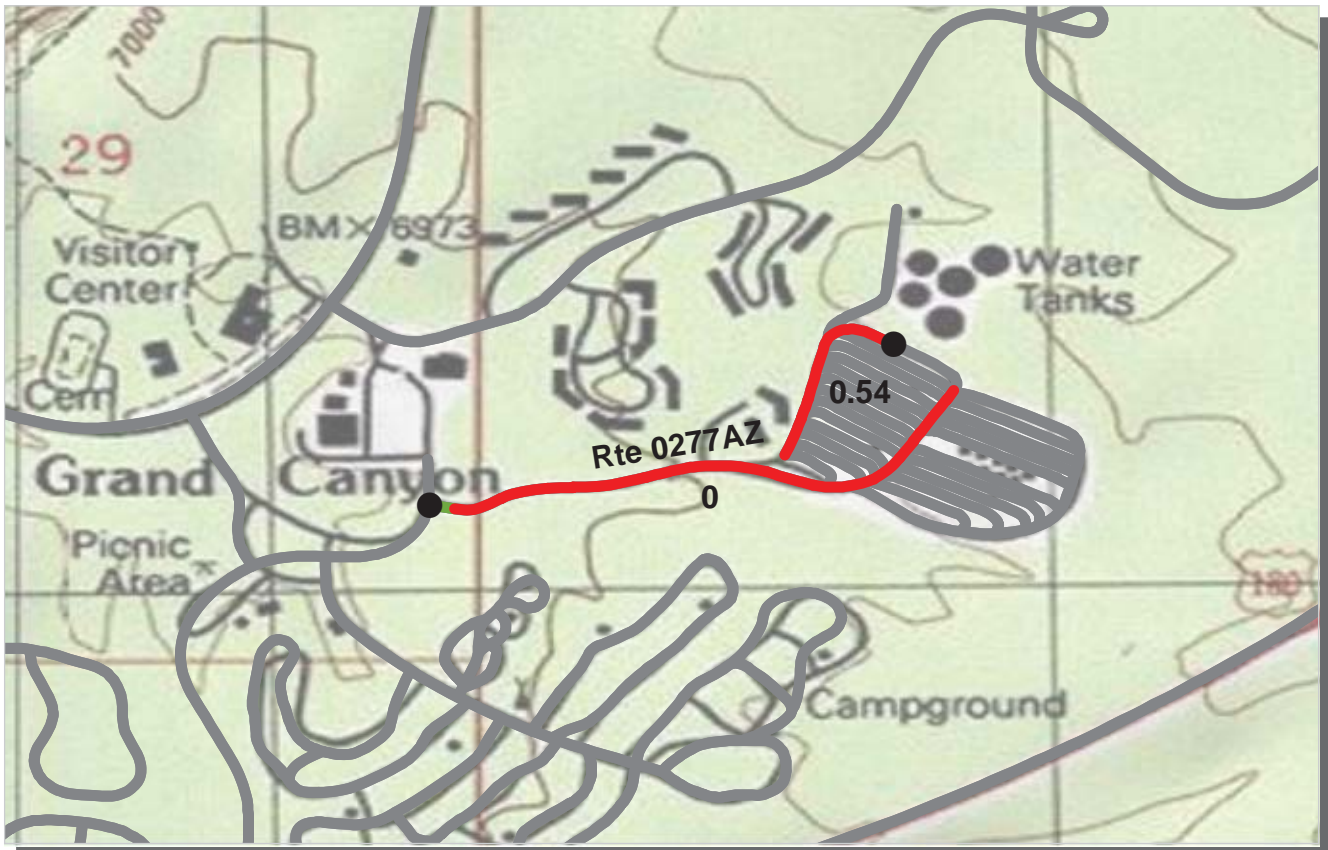
COLLECTED: 10/8/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 1.03 Miles

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	15				
PCR (Pavement Condition Rating)	25				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0277ZZ TRAILER VILLAGE OUTER LOOP ROADS



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0277AZ TRAILER VILLAGE OUTER LOOP A
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

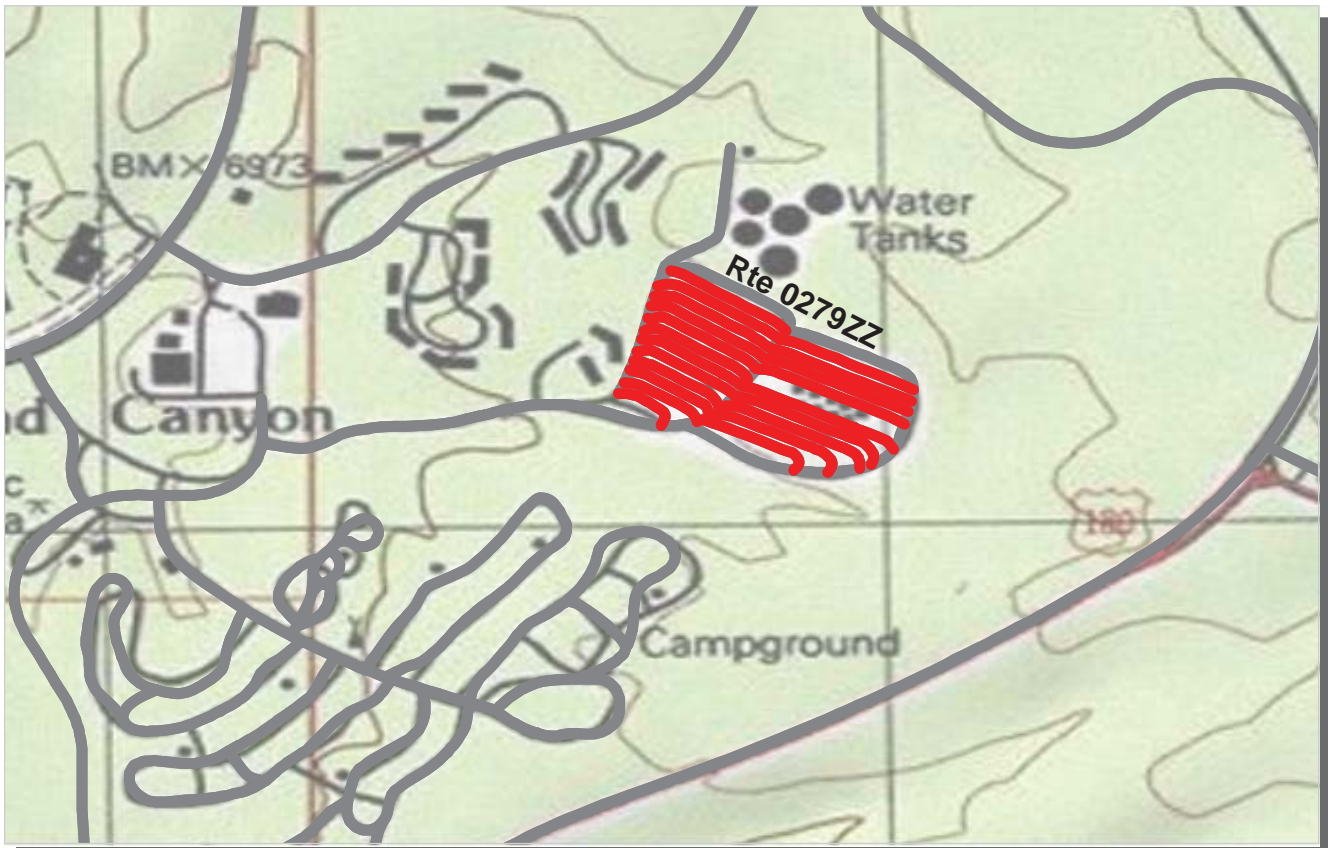
COLLECTED: 10/8/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.66 Miles

Section Number	0	0.54			
Section Length (mi)	0.48	0.18			
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov				
SADT	Click on PROGRAMS / NPS Traffic Data				
ADT Date	(Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2	1			
Paved Width (ft)	22	17			
Lane Width (ft)	12	17			
Shoulder Width Right (ft)	NC	NC			
Shoulder Width Left (ft)	NC	NC			
Roadway Condition Information					
SCR (Surface Condition Rating)	19	14			
PCR (Pavement Condition Rating)	32	14			
Distress Index Values					
Alligator Cracking Index	42	44			
Longitudinal Cracking Index	97	97			
Transverse Cracking Index	99	98			
Patching Index	99	100			
Rutting Index	75	58			
Roughness Condition Index (RCI)	61	18			

ROUTE: 0277AZ TRAILER VILLAGE OUTER LOOP A



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

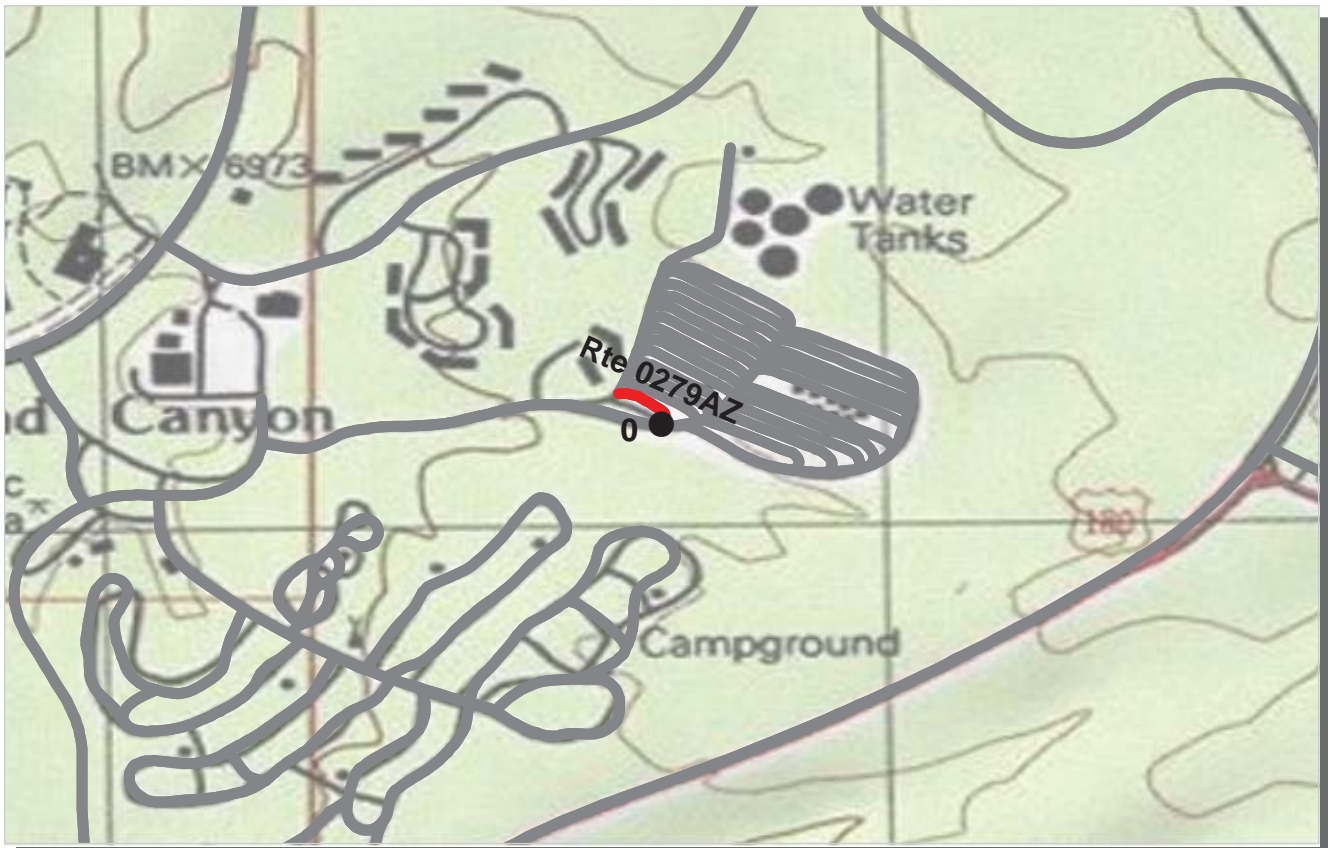
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

ROUTE: 0279ZZ TRAILER VILLAGE ROADS
GRCA : GRAND CANYON NATIONAL PARK

Summary Record COLLECTED: 10/8/2009
INTERMOUNTAIN REGION TOTAL LENGTH: 2.19 Miles

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	26				
PCR (Pavement Condition Rating)	26				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0279ZZ TRAILER VILLAGE ROADS



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (≤60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0279AZ TRAILER VILLAGE ROAD A
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

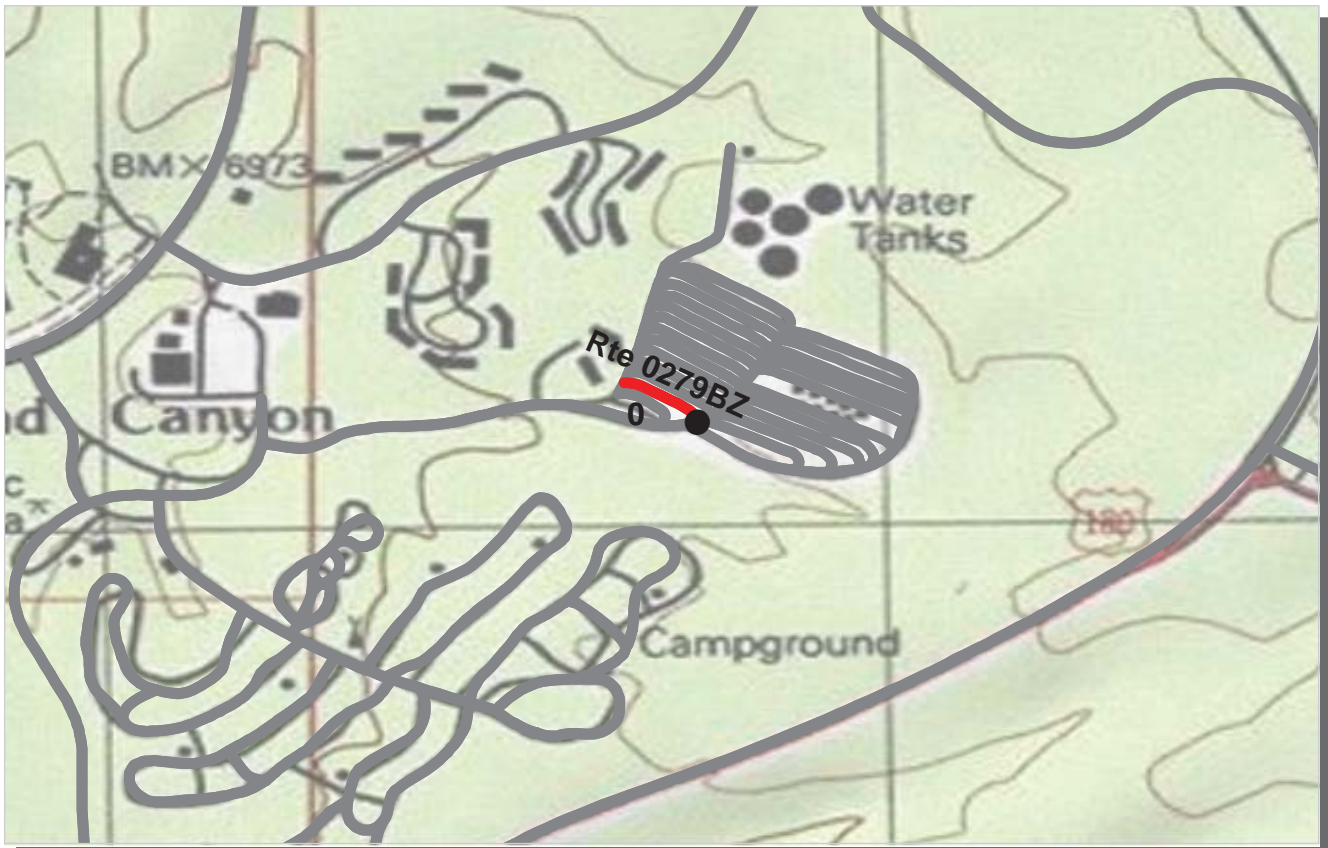
COLLECTED: 10/8/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.05 Miles

Section Number	0				
Section Length (mi)	0.05				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	6				
PCR (Pavement Condition Rating)	6				
Distress Index Values					
Alligator Cracking Index	67				
Longitudinal Cracking Index	90				
Transverse Cracking Index	89				
Patching Index	94				
Rutting Index	56				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279AZ TRAILER VILLAGE ROAD A



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

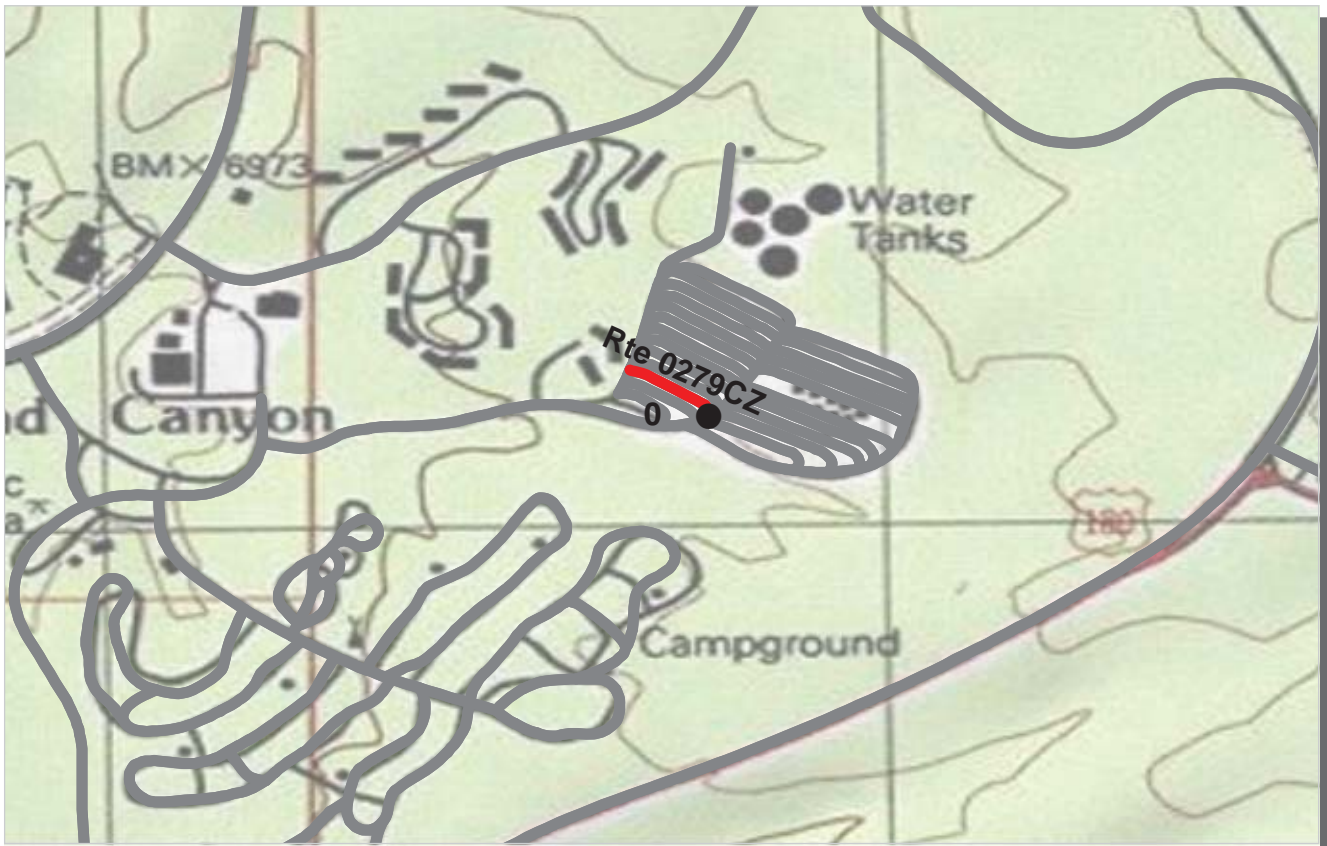
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

ROUTE: 0279BZ TRAILER VILLAGE ROAD B
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 10/8/2009
INTERMOUNTAIN REGION TOTAL LENGTH: 0.07 Miles

Section Number	0				
Section Length (mi)	0.07				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	32				
PCR (Pavement Condition Rating)	32				
Distress Index Values					
Alligator Cracking Index	59				
Longitudinal Cracking Index	96				
Transverse Cracking Index	94				
Patching Index	100				
Rutting Index	83				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279BZ TRAILER VILLAGE ROAD B



PCR **Poor** ■ **Fair** ■ **Good** ■ **Excellent** ■ **No Data** ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

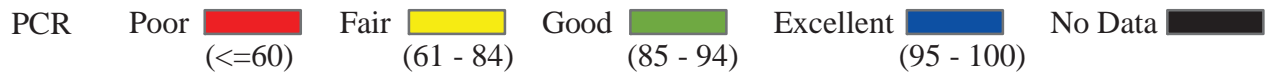
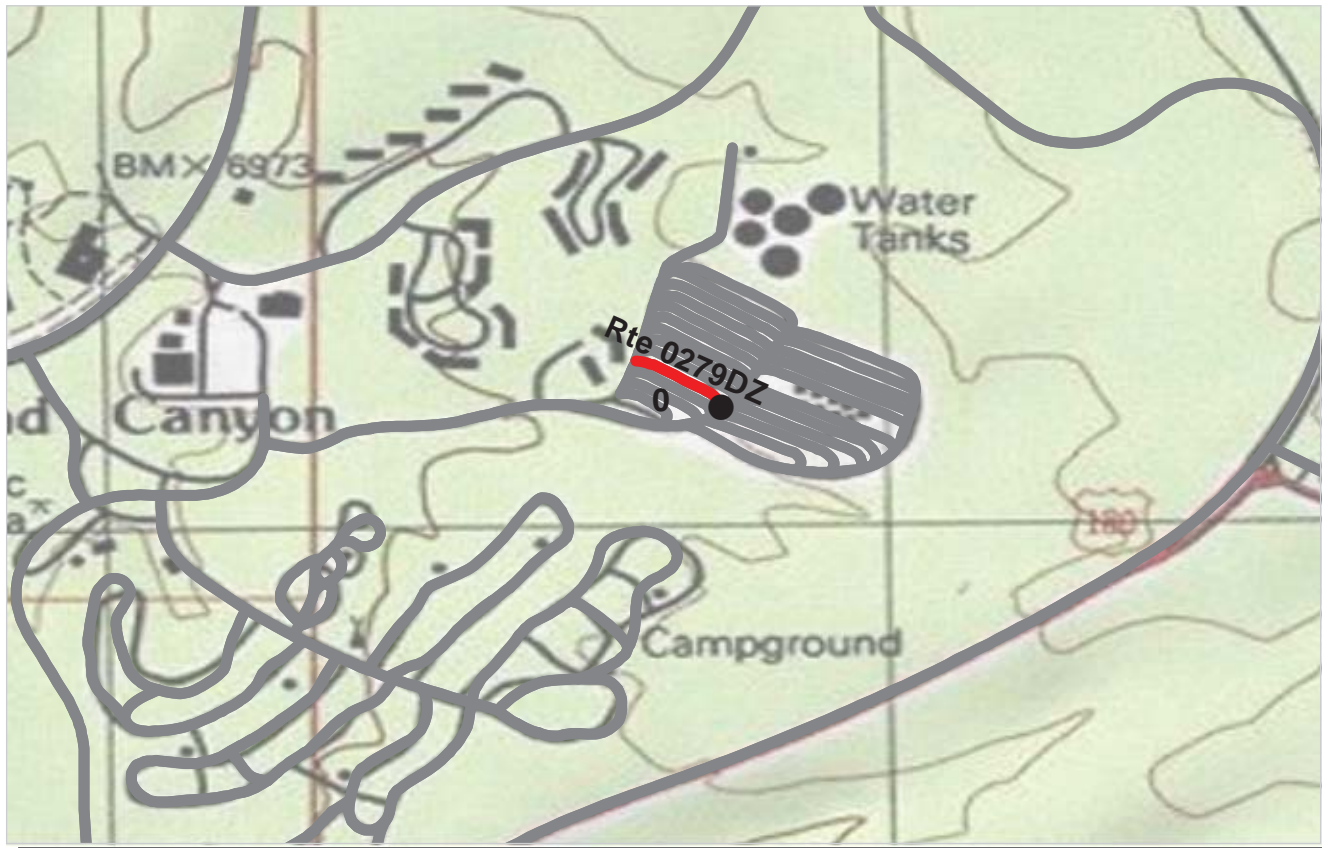
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

ROUTE: 0279CZ TRAILER VILLAGE ROAD C
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 0.08 Miles**

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.08				
<i>Traffic</i>	AADT SADT ADT Date Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	27				
PCR (Pavement Condition Rating)	27				
<i>Distress Index Values</i>					
Alligator Cracking Index	49				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	80				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279CZ TRAILER VILLAGE ROAD C



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

ROUTE: 0279DZ TRAILER VILLAGE ROAD D
GRCA : GRAND CANYON NATIONAL PARK

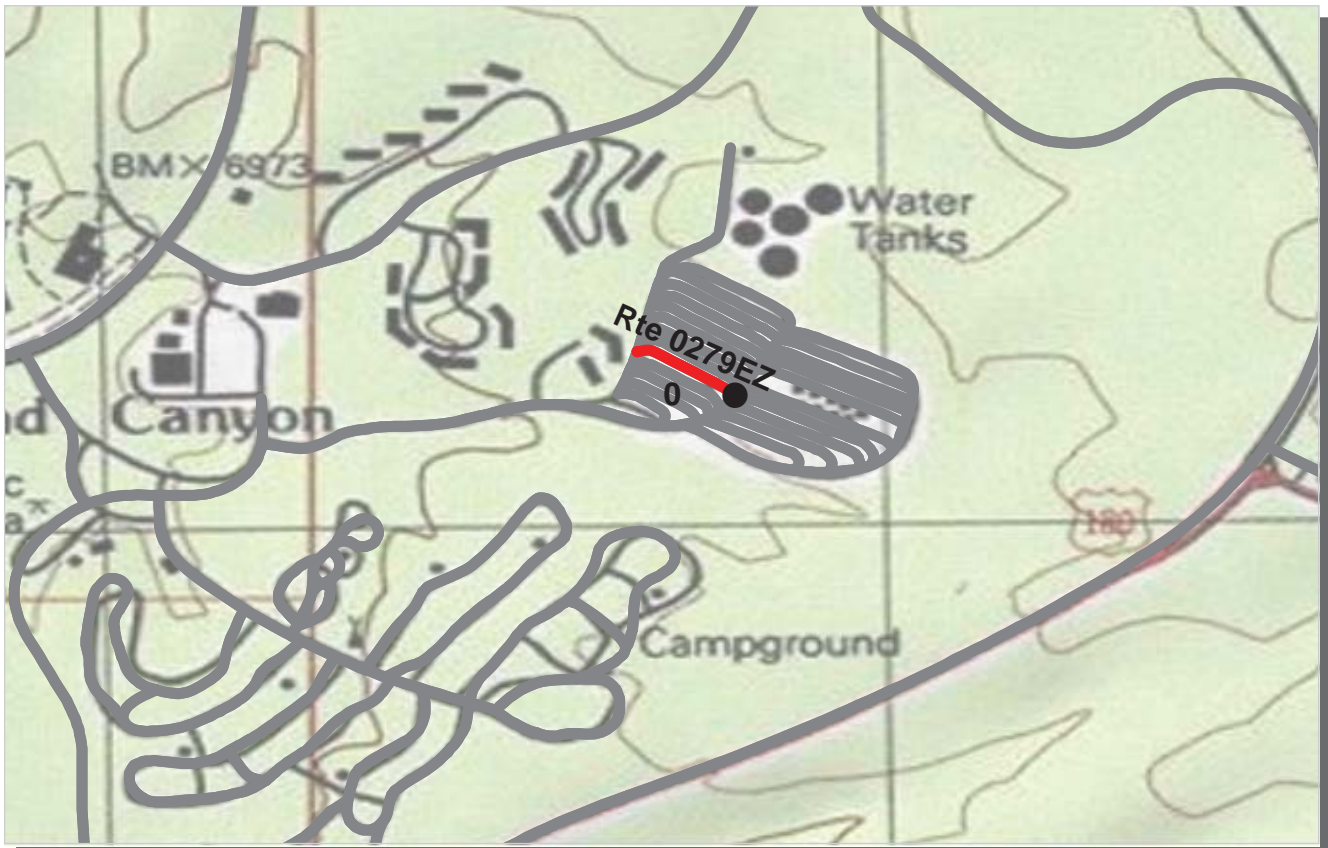
Subcomponent Record

INTERMOUNTAIN REGION

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.08 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.08				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	1				
Paved Width (ft)	14				
Lane Width (ft)	14				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	7				
PCR (Pavement Condition Rating)	7				
<i>Distress Index Values</i>					
Alligator Cracking Index	37				
Longitudinal Cracking Index	100				
Transverse Cracking Index	99				
Patching Index	95				
Rutting Index	75				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279DZ TRAILER VILLAGE ROAD D



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0279EZ TRAILER VILLAGE ROAD E
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

COLLECTED: 10/8/2009

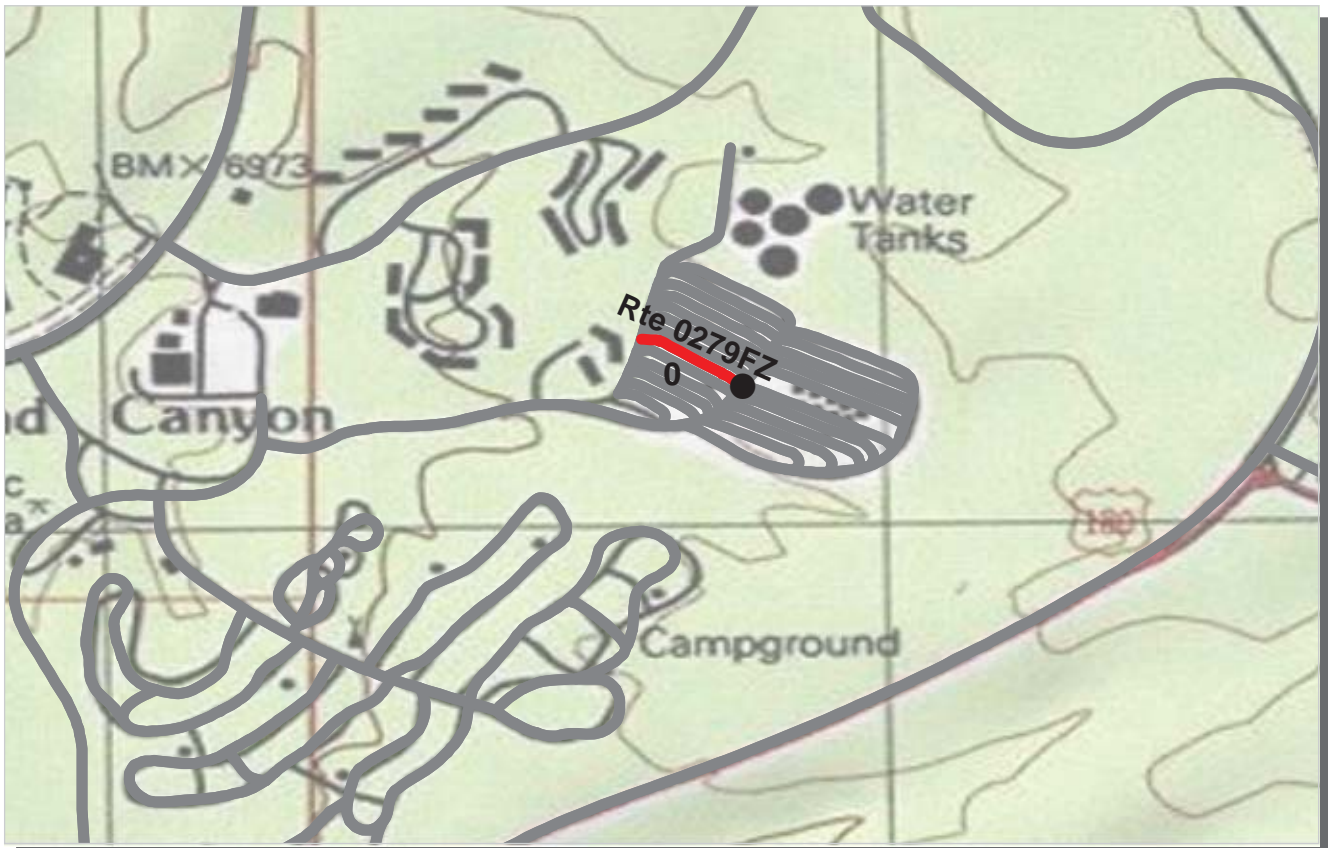
INTERMOUNTAIN REGION

TOTAL LENGTH: 0.09 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.09				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	42				
PCR (Pavement Condition Rating)	42				
<i>Distress Index Values</i>					
Alligator Cracking Index	77				
Longitudinal Cracking Index	89				
Transverse Cracking Index	93				
Patching Index	98				
Rutting Index	85				
Roughness Condition Index (RCI)	NC				

NC - Not Collected

ROUTE: 0279EZ TRAILER VILLAGE ROAD E



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0279FZ TRAILER VILLAGE ROAD F
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

COLLECTED: 10/8/2009

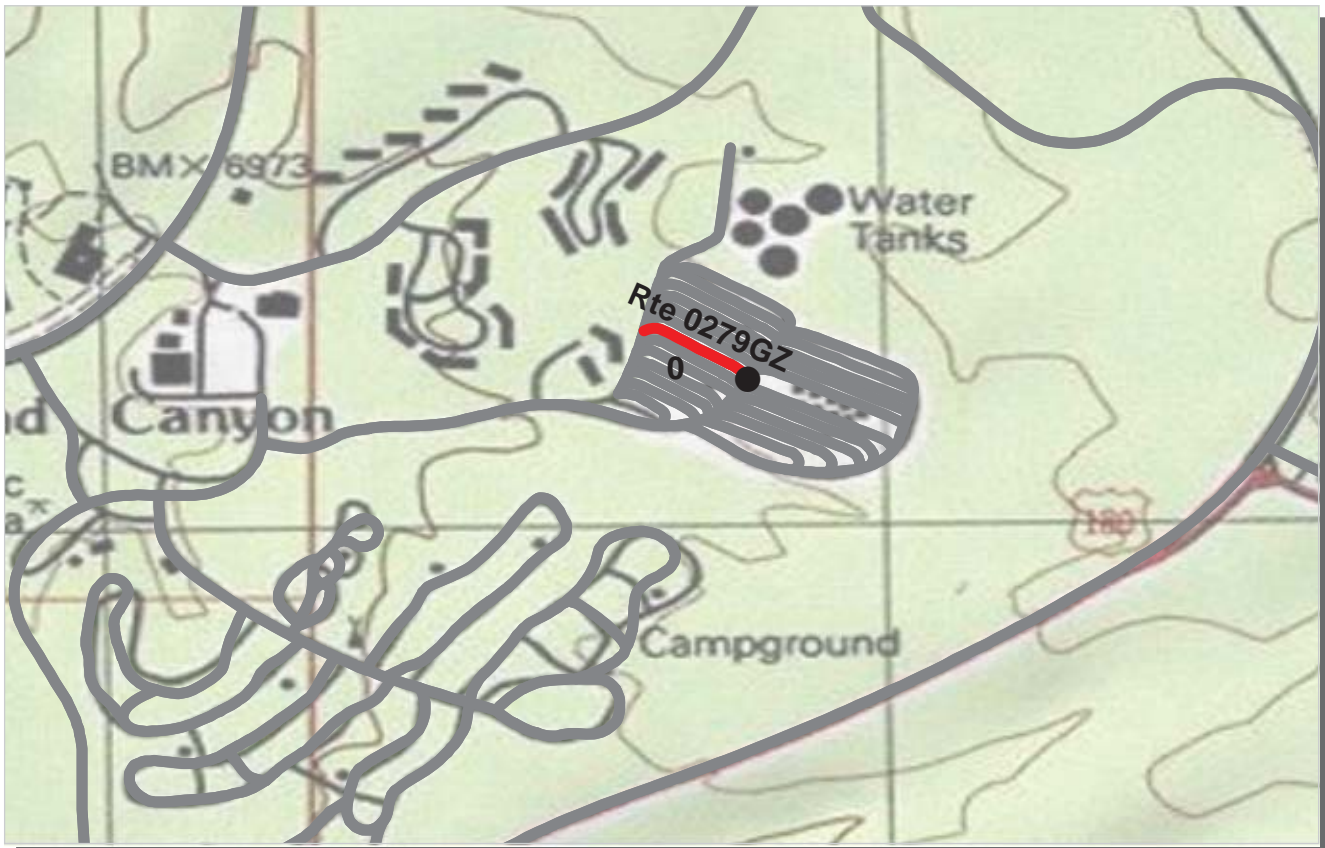
INTERMOUNTAIN REGION

TOTAL LENGTH: 0.09 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.09				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	32				
PCR (Pavement Condition Rating)	32				
<i>Distress Index Values</i>					
Alligator Cracking Index	54				
Longitudinal Cracking Index	97				
Transverse Cracking Index	98				
Patching Index	98				
Rutting Index	86				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279FZ TRAILER VILLAGE ROAD F

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0279GZ TRAILER VILLAGE ROAD G
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

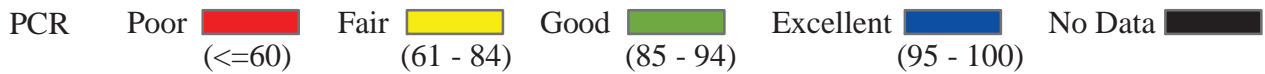
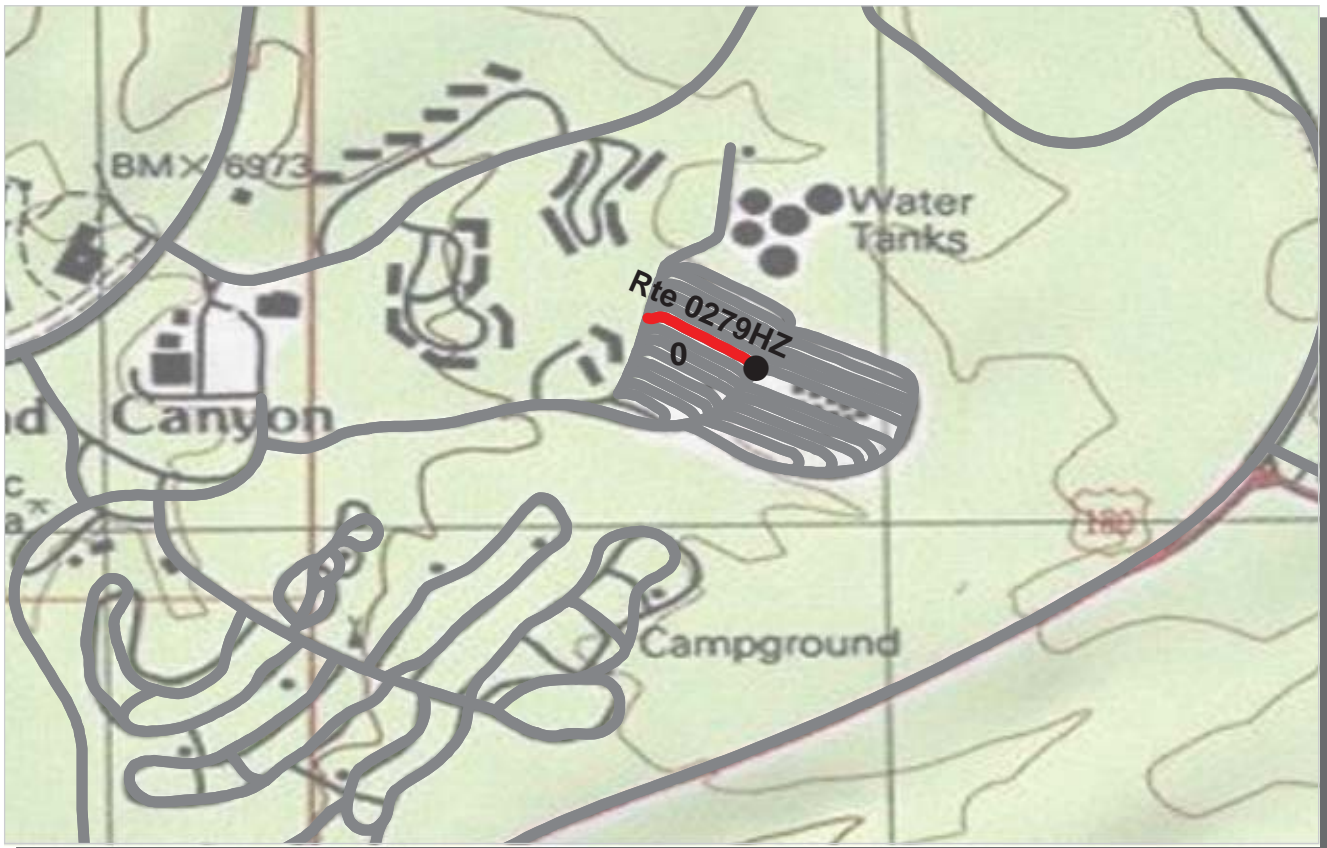
COLLECTED: 10/8/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.10 Miles

Section Number	0				
Section Length (mi)	0.10				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	43				
PCR (Pavement Condition Rating)	43				
Distress Index Values					
Alligator Cracking Index	76				
Longitudinal Cracking Index	92				
Transverse Cracking Index	90				
Patching Index	99				
Rutting Index	85				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279GZ TRAILER VILLAGE ROAD G



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

ROUTE: 0279HZ TRAILER VILLAGE ROAD H
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

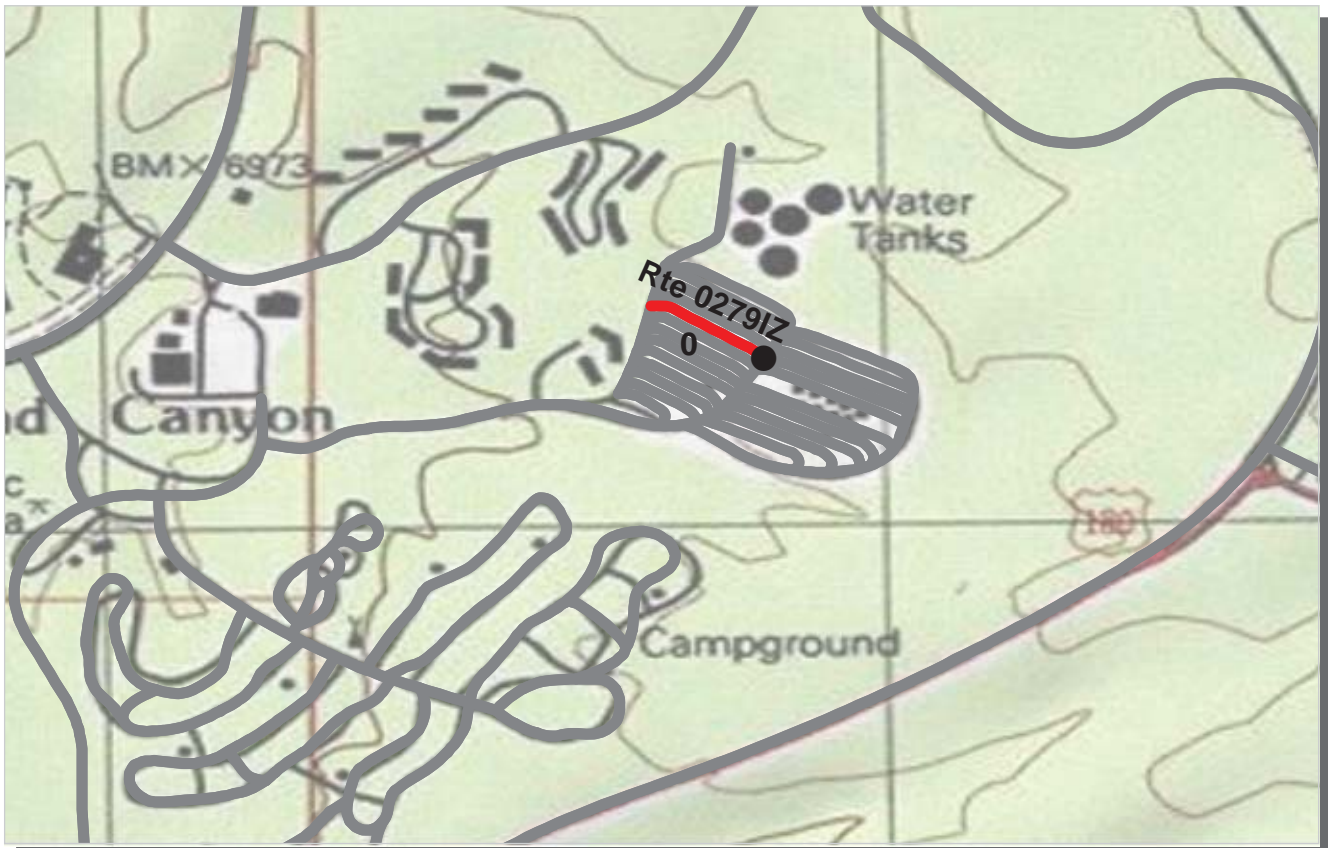
COLLECTED: 10/8/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.10 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.10				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	33				
PCR (Pavement Condition Rating)	33				
<i>Distress Index Values</i>					
Alligator Cracking Index	67				
Longitudinal Cracking Index	90				
Transverse Cracking Index	93				
Patching Index	99				
Rutting Index	83				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279HZ TRAILER VILLAGE ROAD H



PCR Poor █ Fair █ Good █ Excellent █ No Data █
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

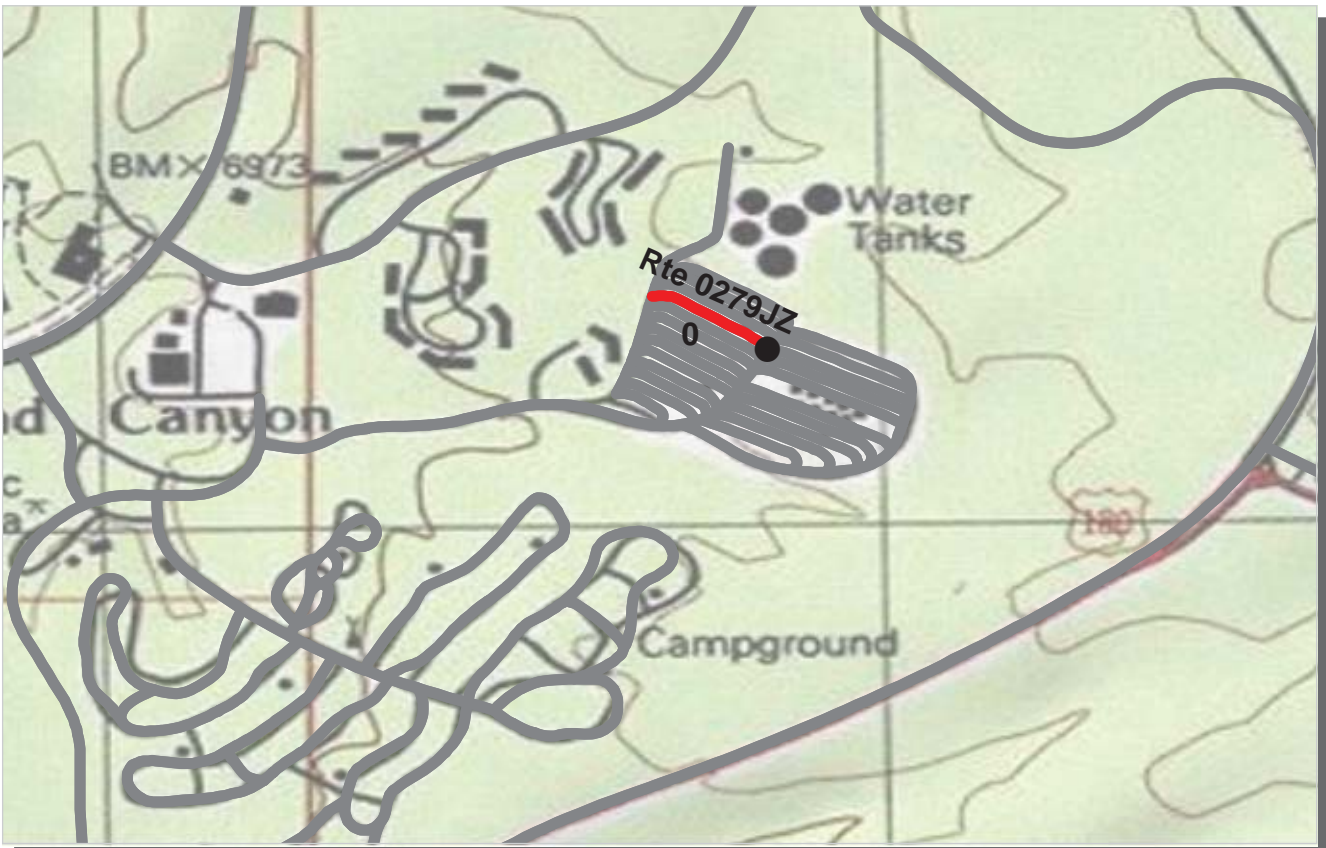
ROUTE: 02791Z TRAILER VILLAGE ROAD I
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 10/8/2009
INTERMOUNTAIN REGION TOTAL LENGTH: 0.10 Miles

Section Number	0				
Section Length (mi)	0.10				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	43				
PCR (Pavement Condition Rating)	43				
Distress Index Values					
Alligator Cracking Index	79				
Longitudinal Cracking Index	91				
Transverse Cracking Index	92				
Patching Index	99				
Rutting Index	81				
Roughness Condition Index (RCI)	NC				

ROUTE: 02791Z TRAILER VILLAGE ROAD I

NC - Not Collected



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0279JZ TRAILER VILLAGE ROAD J
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

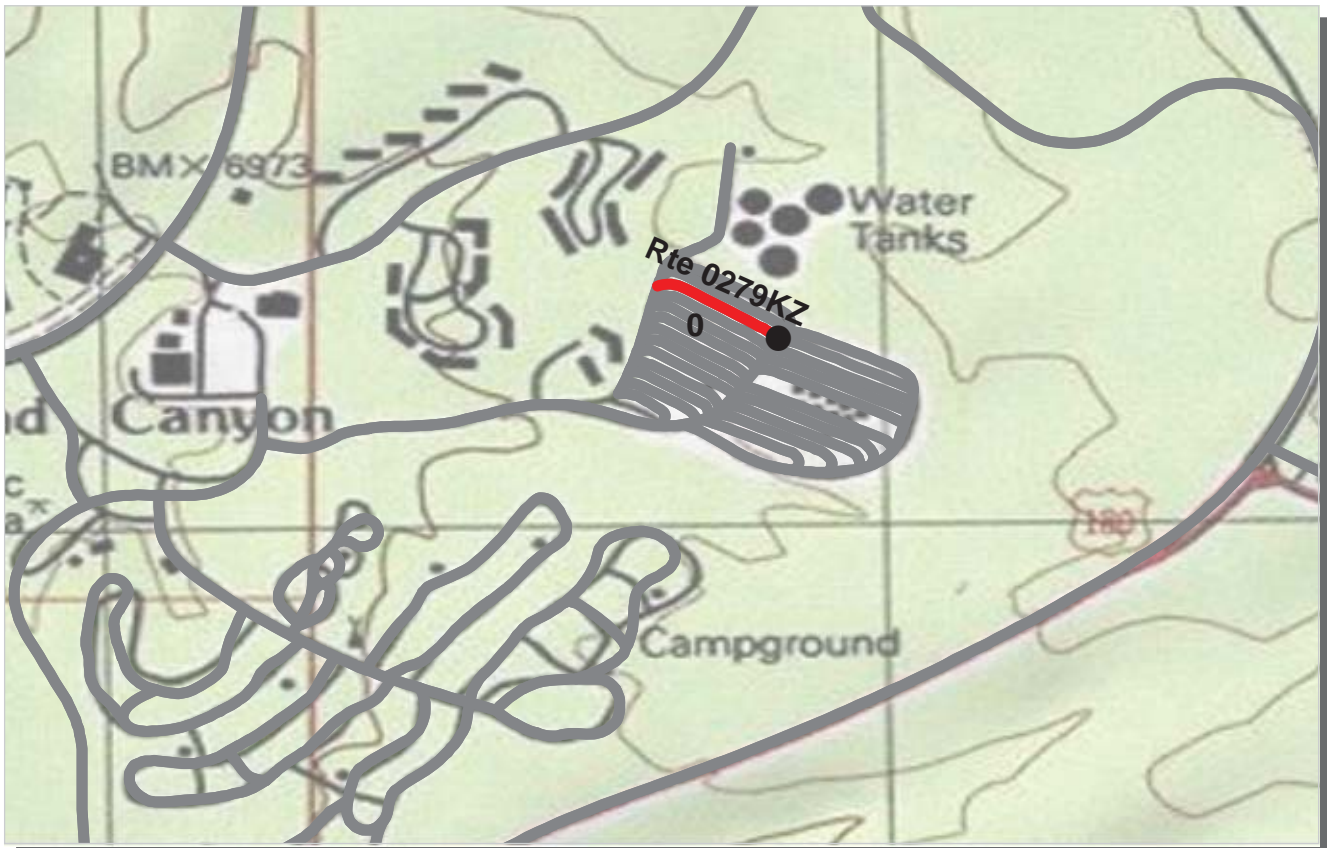
COLLECTED: 10/8/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.10 Miles

Section Number	0				
Section Length (mi)	0.10				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	34				
PCR (Pavement Condition Rating)	33				
Distress Index Values					
Alligator Cracking Index	63				
Longitudinal Cracking Index	93				
Transverse Cracking Index	98				
Patching Index	98				
Rutting Index	83				
Roughness Condition Index (RCI)	26				

ROUTE: 0279JZ TRAILER VILLAGE ROAD J



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0279KZ TRAILER VILLAGE ROAD K
GRCA : GRAND CANYON NATIONAL PARK

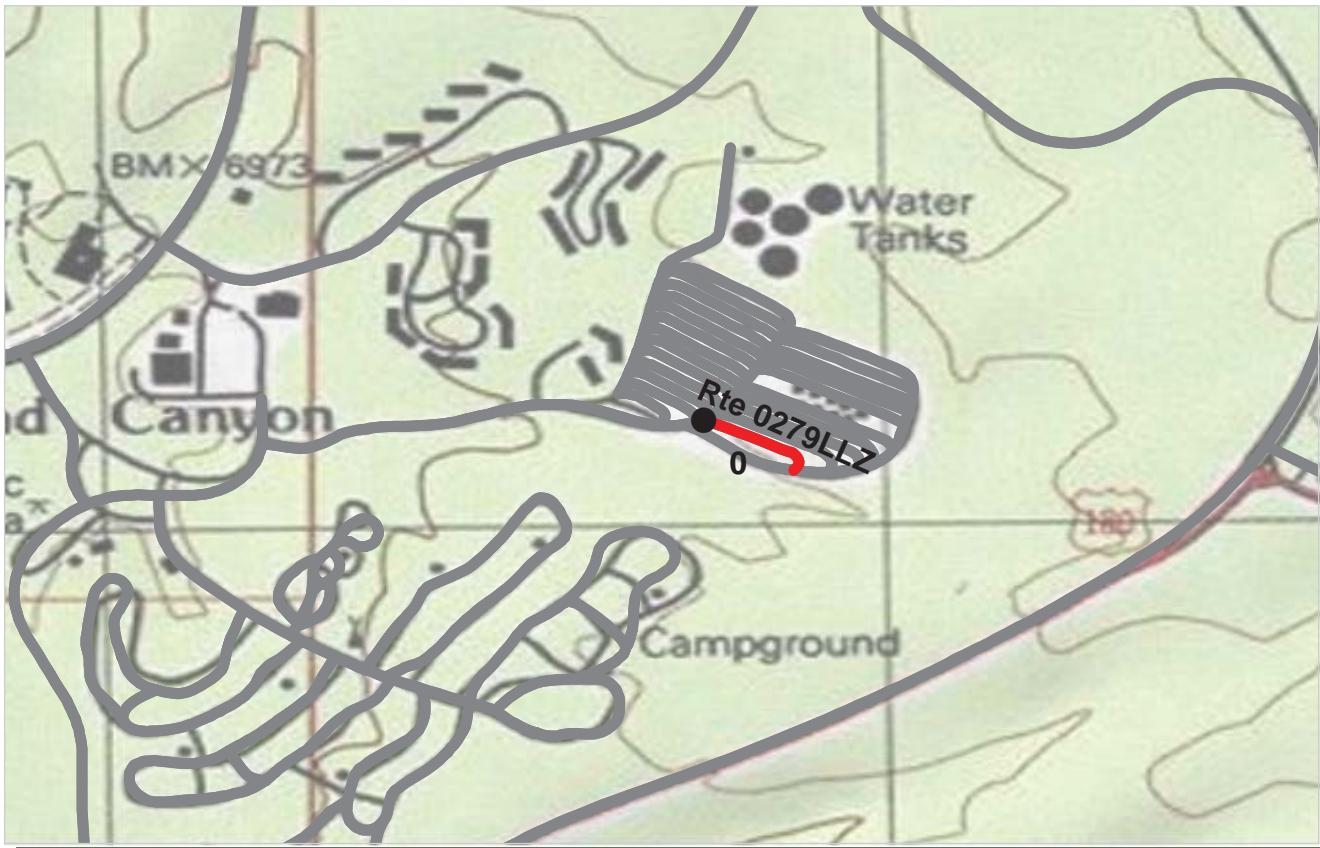
Subcomponent Record

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.11 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.11				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	35				
PCR (Pavement Condition Rating)	35				
Distress Index Values					
Alligator Cracking Index	67				
Longitudinal Cracking Index	93				
Transverse Cracking Index	92				
Patching Index	99				
Rutting Index	82				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279KZ TRAILER VILLAGE ROAD K



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

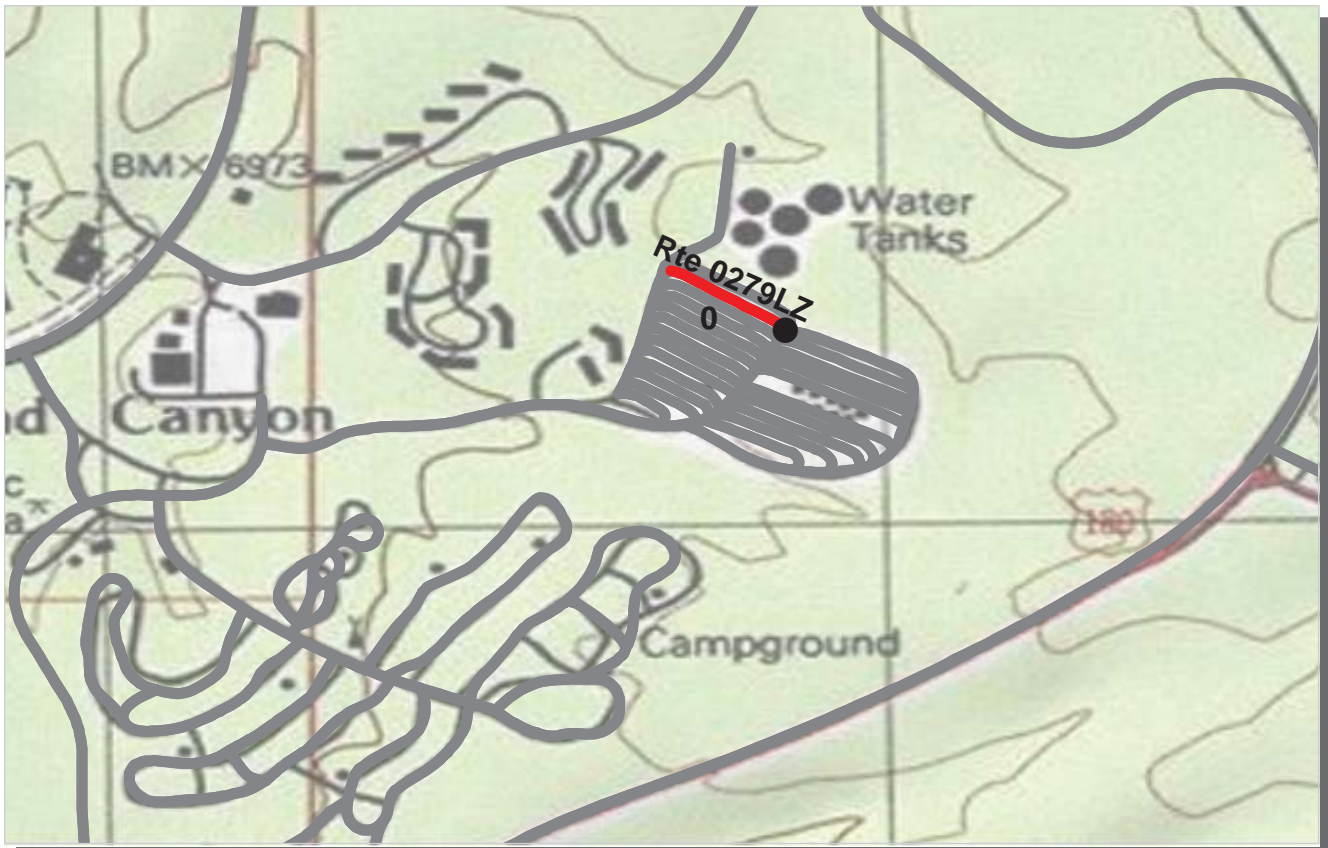
ROUTE: 0279LLZ TRAILER VILLAGE ROAD LL
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 10/8/2009
INTERMOUNTAIN REGION TOTAL LENGTH: 0.10 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.10				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	25				
PCR (Pavement Condition Rating)	25				
<i>Distress Index Values</i>					
Alligator Cracking Index	66				
Longitudinal Cracking Index	99				
Transverse Cracking Index	98				
Patching Index	96				
Rutting Index	66				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279LLZ TRAILER VILLAGE ROAD LL

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0279LZ TRAILER VILLAGE ROAD L
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

COLLECTED: 10/8/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.11 Miles

Section Number	0				
Section Length (mi)	0.11				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	14				
PCR (Pavement Condition Rating)	14				
Distress Index Values					
Alligator Cracking Index	37				
Longitudinal Cracking Index	99				
Transverse Cracking Index	99				
Patching Index	99				
Rutting Index	80				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279LZ TRAILER VILLAGE ROAD L



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

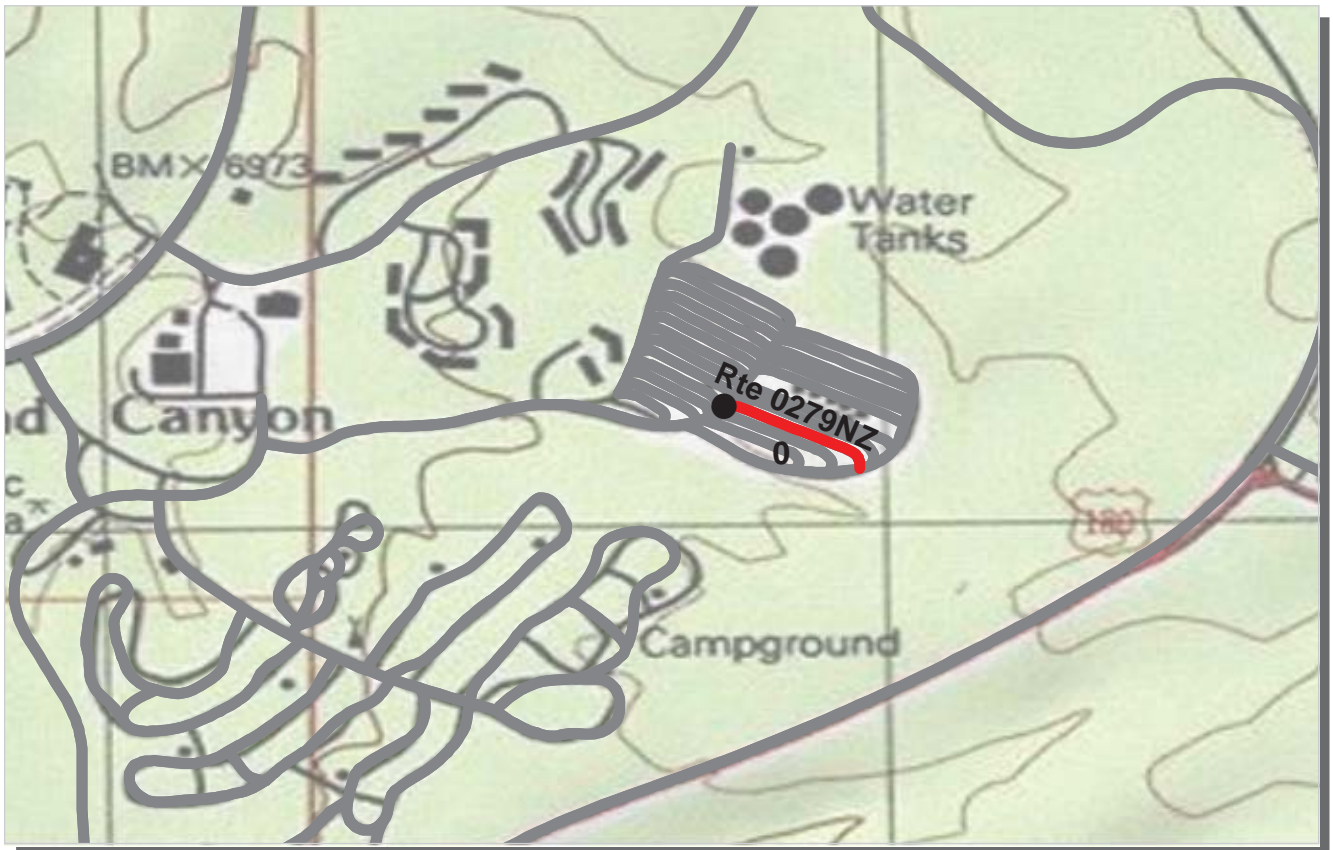
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

ROUTE: 0279MZ TRAILER VILLAGE ROAD M
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION TOTAL LENGTH: 0.12 Miles

Section Number	0				
Section Length (mi)	0.12				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	35				
PCR (Pavement Condition Rating)	35				
Distress Index Values					
Alligator Cracking Index	72				
Longitudinal Cracking Index	100				
Transverse Cracking Index	99				
Patching Index	97				
Rutting Index	67				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279MZ TRAILER VILLAGE ROAD M



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0279NZ TRAILER VILLAGE ROAD N
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

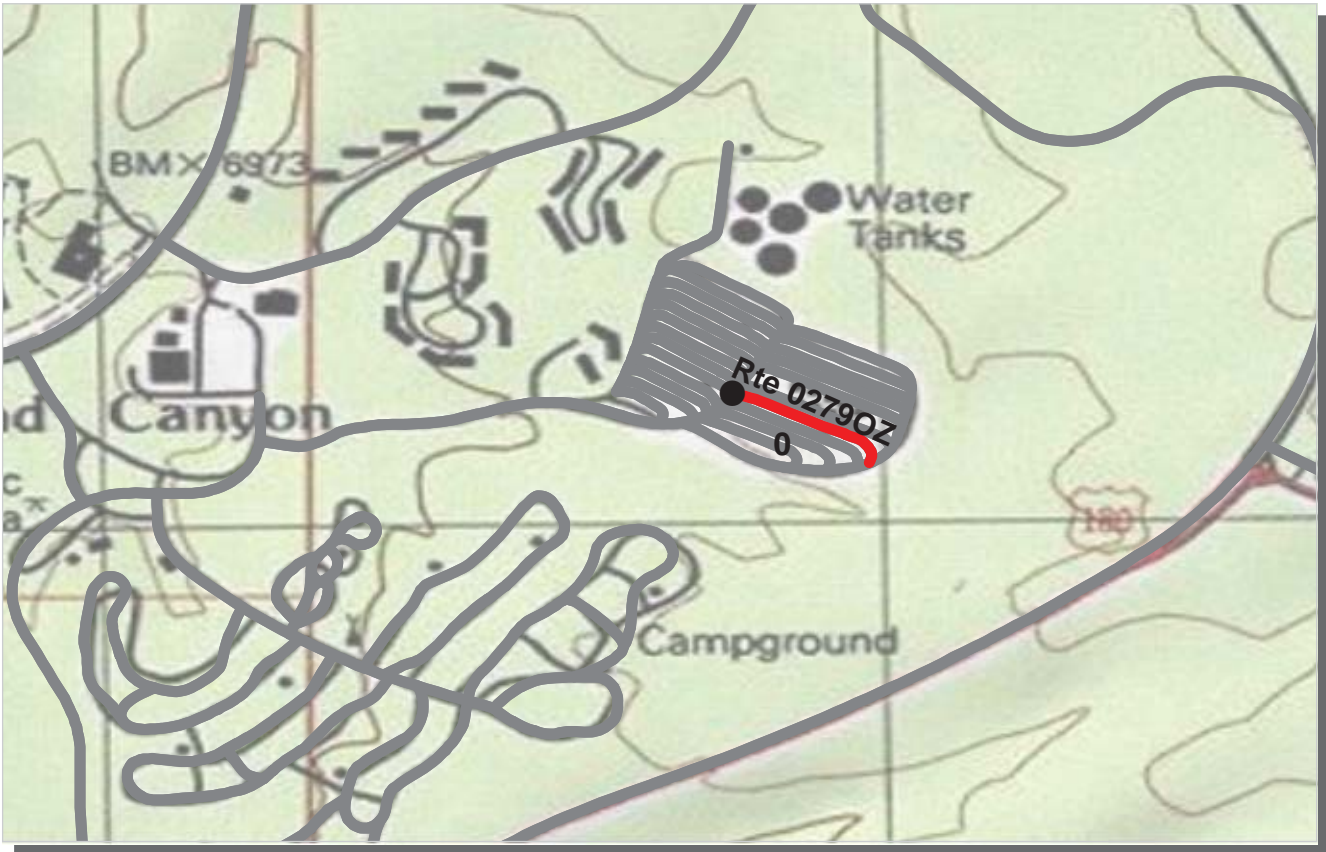
COLLECTED: 10/8/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.13 Miles

Section Number	0				
Section Length (mi)	0.13				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	37				
PCR (Pavement Condition Rating)	37				
Distress Index Values					
Alligator Cracking Index	82				
Longitudinal Cracking Index	96				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	61				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279NZ TRAILER VILLAGE ROAD N



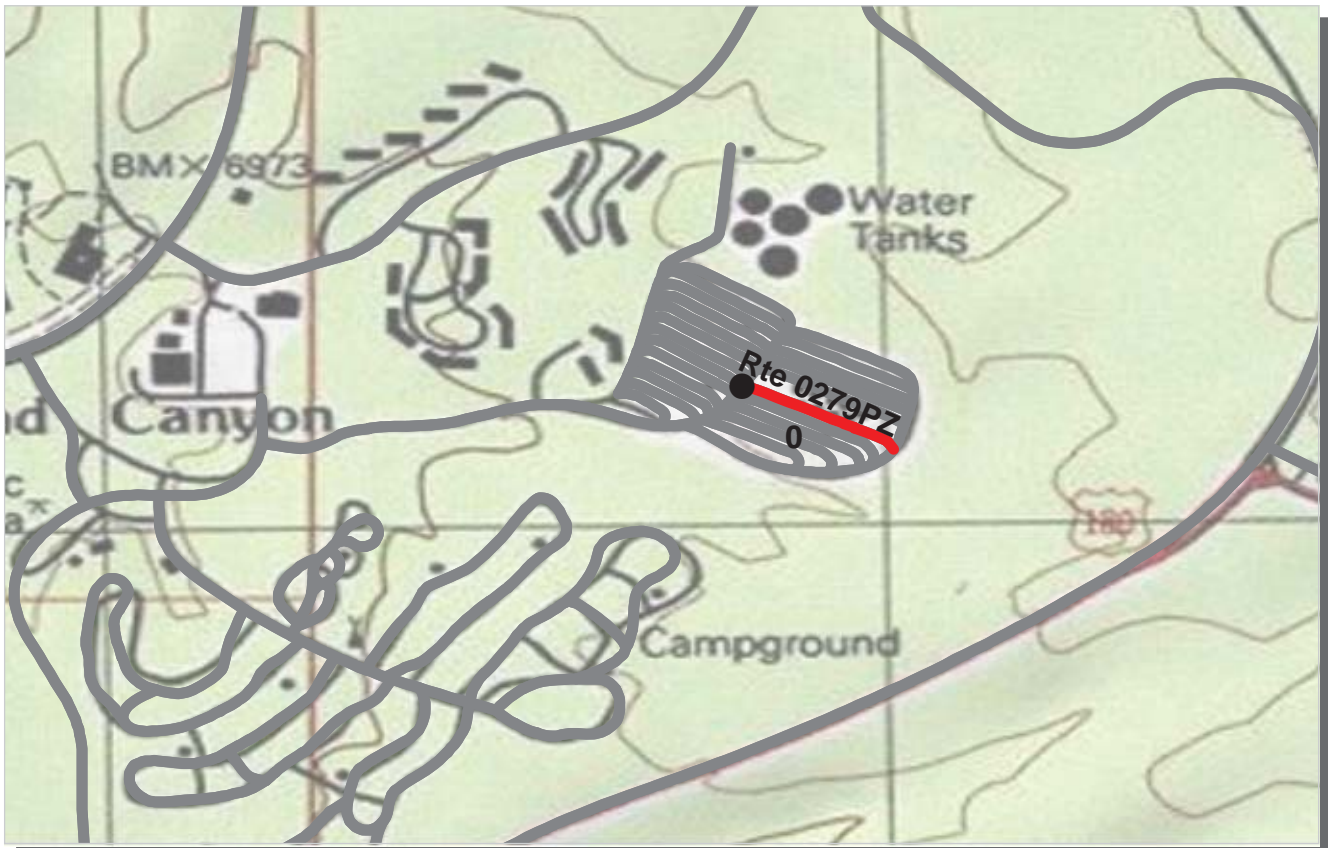
ROUTE: 02790Z TRAILER VILLAGE ROAD 0
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 0.14 Miles**

Section Number	0				
Section Length (mi)	0.14				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	32				
PCR (Pavement Condition Rating)	32				
Distress Index Values					
Alligator Cracking Index	74				
Longitudinal Cracking Index	96				
Transverse Cracking Index	98				
Patching Index	99				
Rutting Index	66				
Roughness Condition Index (RCI)	NC				

ROUTE: 02790Z TRAILER VILLAGE ROAD 0

NC - Not Collected



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

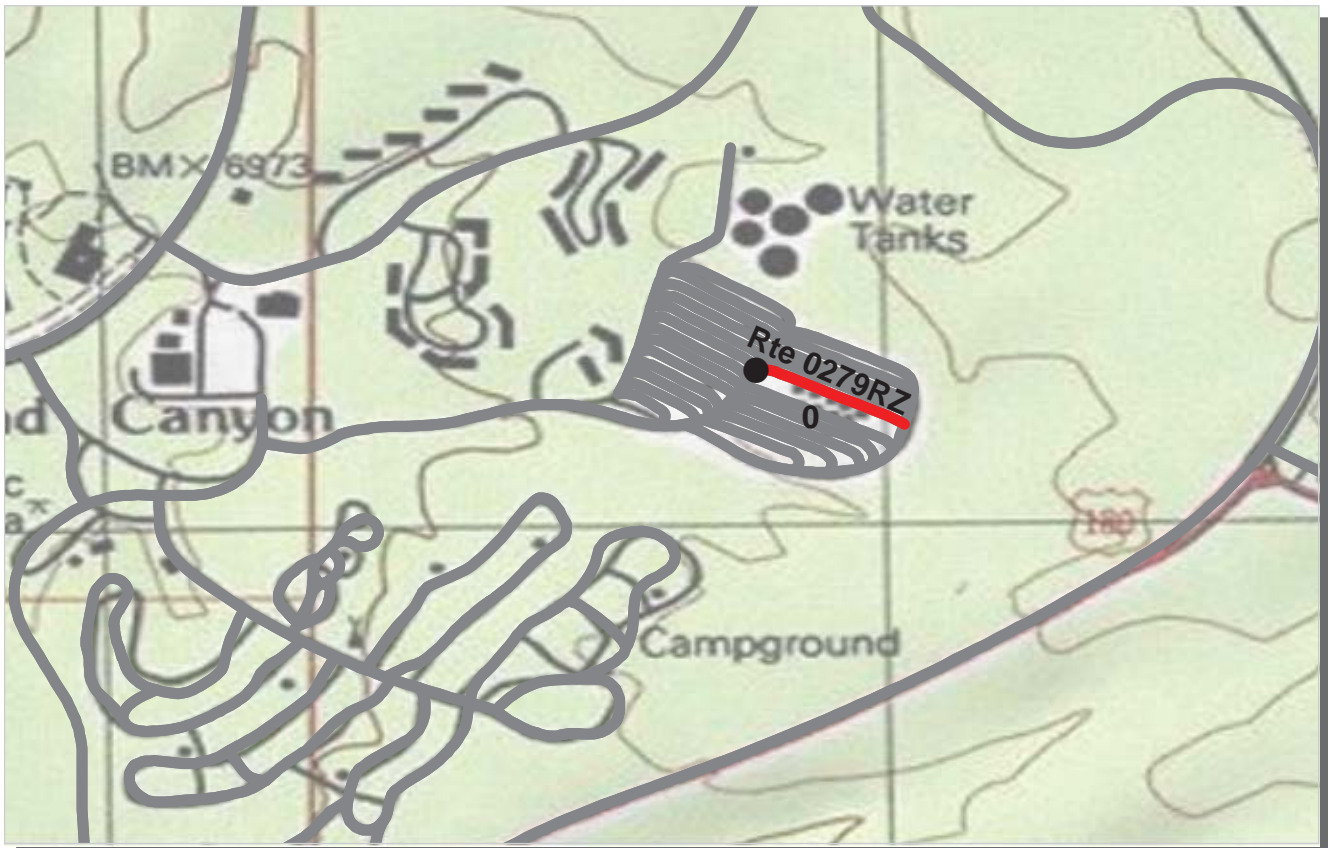
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

ROUTE: 0279PZ TRAILER VILLAGE ROAD P
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 10/8/2009
INTERMOUNTAIN REGION TOTAL LENGTH: 0.14 Miles

Section Number	0				
Section Length (mi)	0.14				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	9				
PCR (Pavement Condition Rating)	9				
Distress Index Values					
Alligator Cracking Index	51				
Longitudinal Cracking Index	99				
Transverse Cracking Index	100				
Patching Index	96				
Rutting Index	52				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279PZ TRAILER VILLAGE ROAD P



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

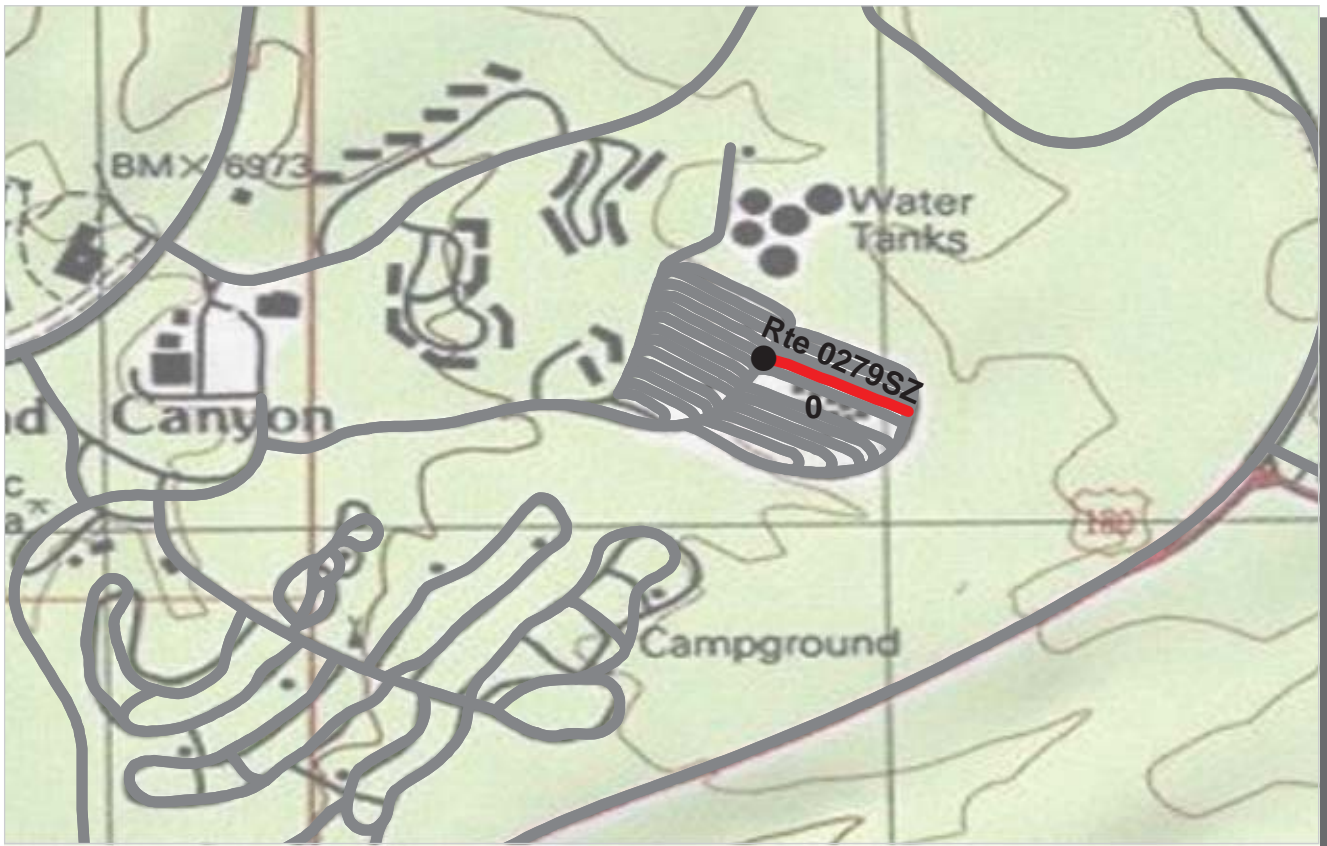
ROUTE: 0279RZ TRAILER VILLAGE ROAD R
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record COLLECTED: 10/8/2009
INTERMOUNTAIN REGION TOTAL LENGTH: 0.13 Miles

Section Number	0				
Section Length (mi)	0.13				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	8				
PCR (Pavement Condition Rating)	8				
Distress Index Values					
Alligator Cracking Index	55				
Longitudinal Cracking Index	96				
Transverse Cracking Index	99				
Patching Index	96				
Rutting Index	59				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279RZ TRAILER VILLAGE ROAD R

NC - Not Collected



PCR	Poor	 	Fair	 	Good	 	Excellent	 	No Data	
	(≤60)		(61 - 84)	(85 - 94)	(95 - 100)					

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

ROUTE: 0279SZ TRAILER VILLAGE ROAD S
GRCA : GRAND CANYON NATIONAL PARK

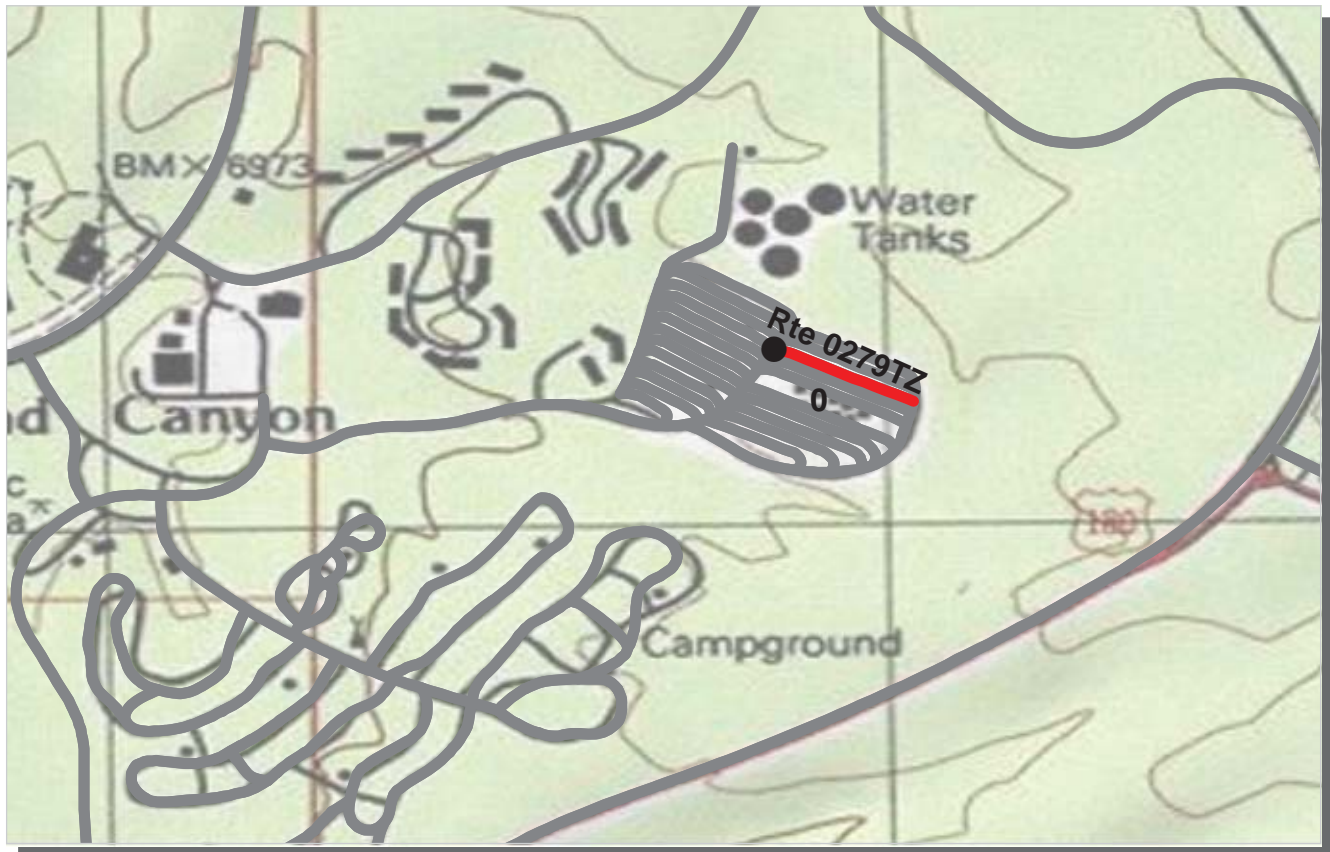
Subcomponent Record

INTERMOUNTAIN REGION

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.12 Miles

Section Number	0				
Section Length (mi)	0.12				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	12				
PCR (Pavement Condition Rating)	12				
Distress Index Values					
Alligator Cracking Index	51				
Longitudinal Cracking Index	99				
Transverse Cracking Index	100				
Patching Index	99				
Rutting Index	62				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279SZ TRAILER VILLAGE ROAD S



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0279TZ TRAILER VILLAGE ROAD T
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

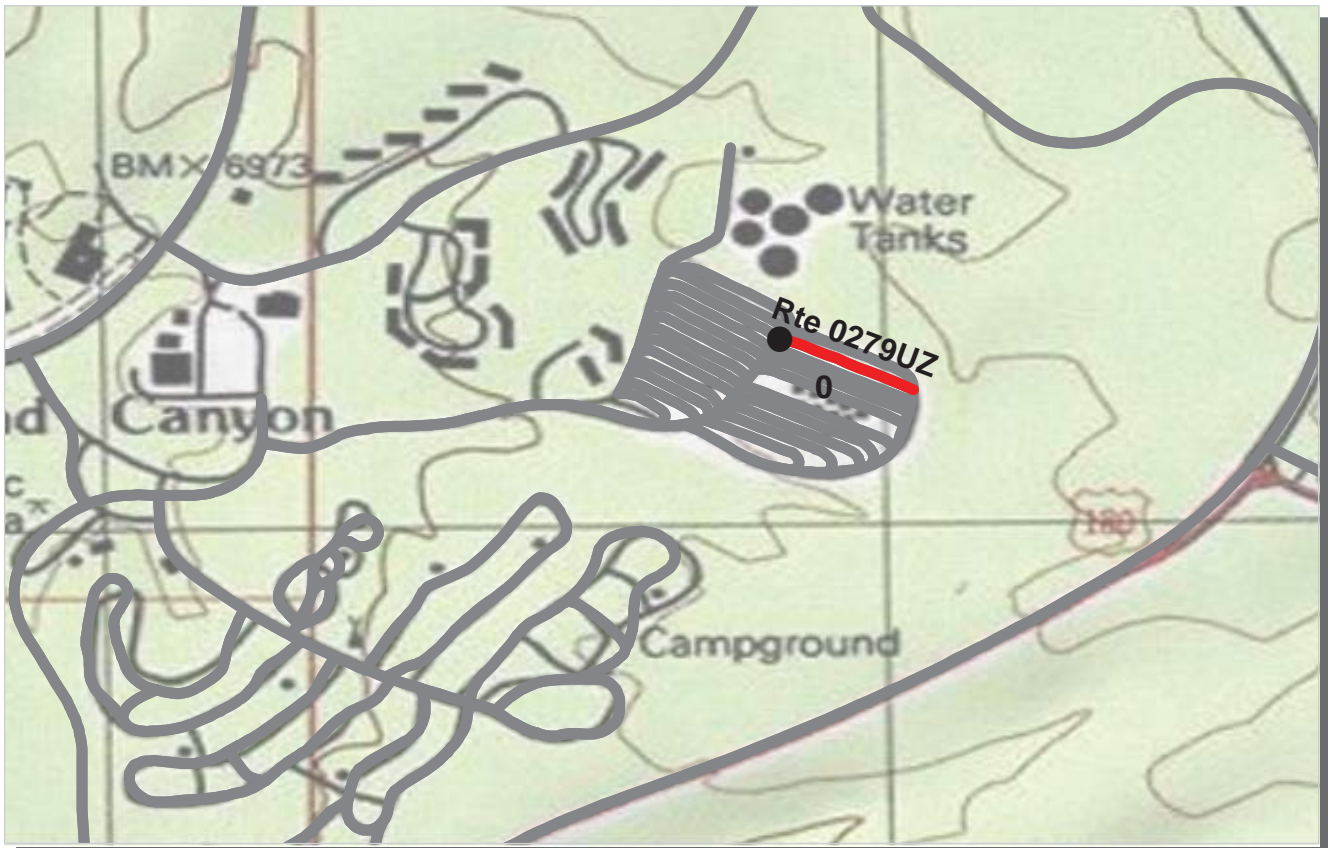
COLLECTED: 10/8/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.12 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.12				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	32				
PCR (Pavement Condition Rating)	32				
<i>Distress Index Values</i>					
Alligator Cracking Index	78				
Longitudinal Cracking Index	97				
Transverse Cracking Index	99				
Patching Index	98				
Rutting Index	60				
Roughness Condition Index (RCI)	NC				

ROUTE: 0279TZ TRAILER VILLAGE ROAD T



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

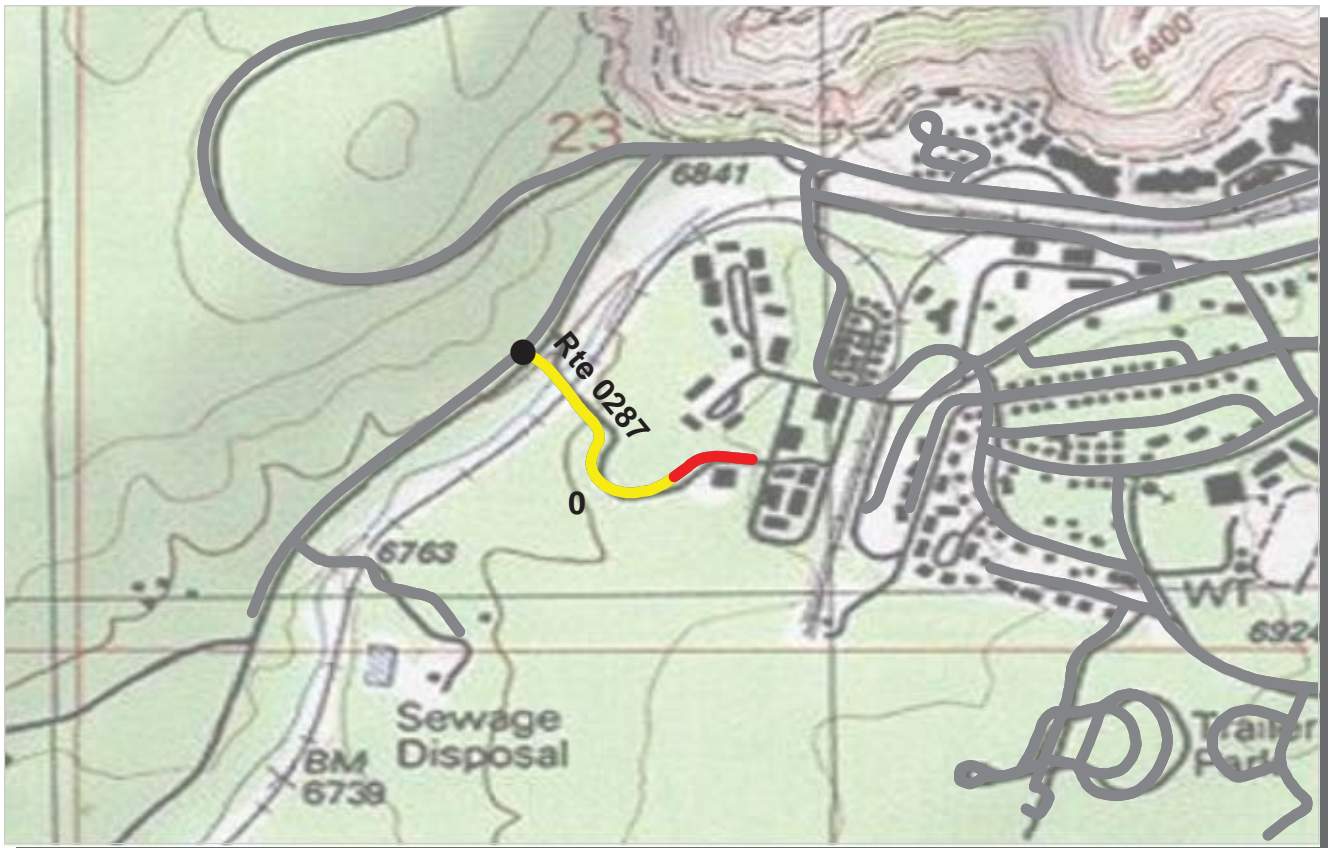
ROUTE: 0279UZ TRAILER VILLAGE ROAD U
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 0.11 Miles**

Section Number	0				
Section Length (mi)	0.11				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	13				
PCR (Pavement Condition Rating)	12				
Distress Index Values					
Alligator Cracking Index	63				
Longitudinal Cracking Index	96				
Transverse Cracking Index	98				
Patching Index	98				
Rutting Index	57				
Roughness Condition Index (RCI)	15				

ROUTE: 0279UZ TRAILER VILLAGE ROAD U

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

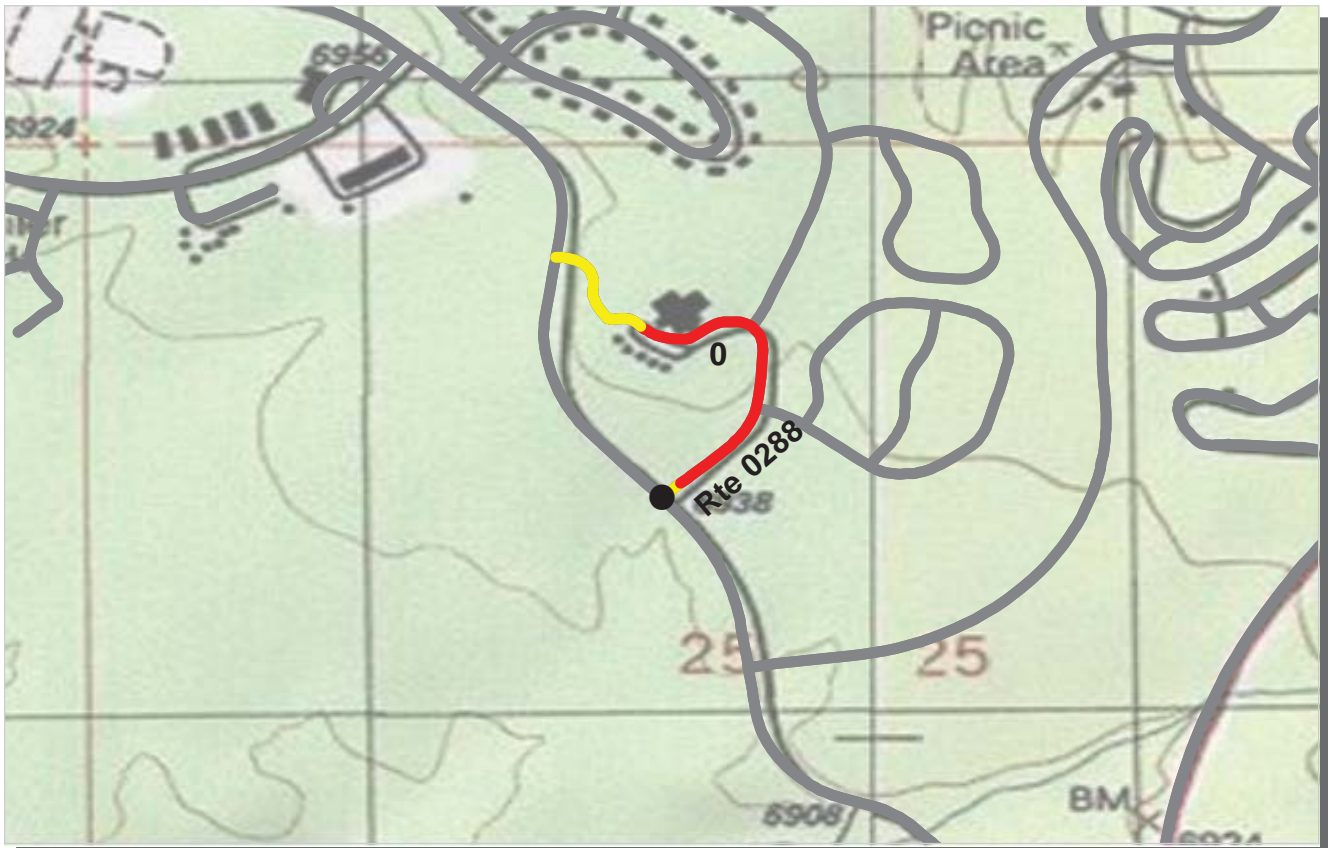
ROUTE: 0287 ROUTE 0160 ACCESS ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.29 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.29				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	72				
PCR (Pavement Condition Rating)	64				
Distress Index Values					
Alligator Cracking Index	77				
Longitudinal Cracking Index	99				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	97				
Roughness Condition Index (RCI)	51				

ROUTE: 0287 ROUTE 0160 ACCESS ROAD



PCR	Poor		Fair		Good		Excellent		No Data	
		(≤60)		(61 - 84)		(85 - 94)		(95 - 100)		

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

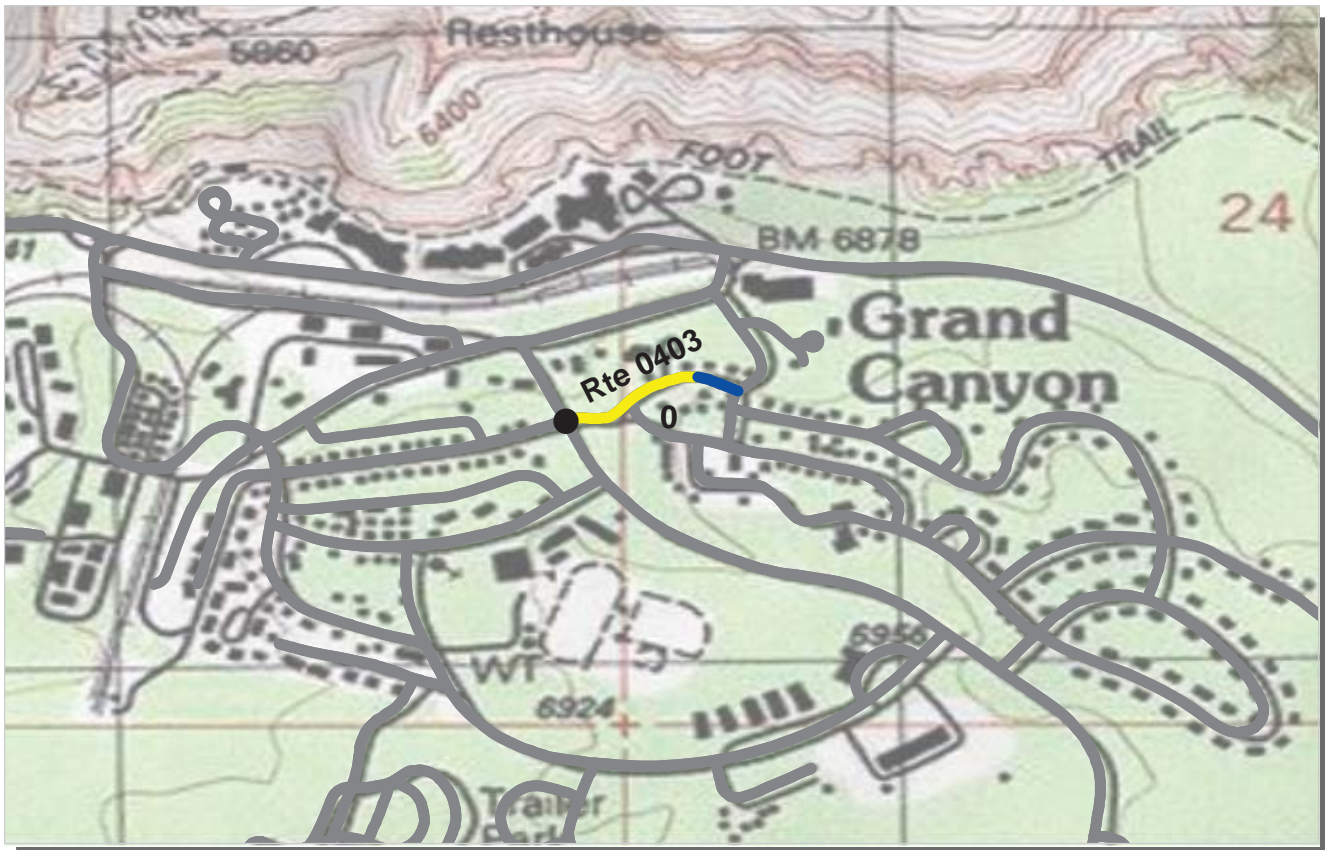
ROUTE: 0288 CLINIC ACCESS ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.41 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.41				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	38				
PCR (Pavement Condition Rating)	42				
Distress Index Values					
Alligator Cracking Index	65				
Longitudinal Cracking Index	97				
Transverse Cracking Index	96				
Patching Index	100				
Rutting Index	78				
Roughness Condition Index (RCI)	44				

ROUTE: 0288 CLINIC ACCESS ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0403 TONTO STREET
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.15 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.15				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	83				
PCR (Pavement Condition Rating)	78				
Distress Index Values					
Alligator Cracking Index	99				
Longitudinal Cracking Index	98				
Transverse Cracking Index	94				
Patching Index	99				
Rutting Index	93				
Roughness Condition Index (RCI)	33				

ROUTE: 0403 TONTO STREET



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0404 AUTO SHOP ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/4/2009
TOTAL LENGTH: 0.18 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.18				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	36				
PCR (Pavement Condition Rating)	38				
Distress Index Values					
Alligator Cracking Index	90				
Longitudinal Cracking Index	93				
Transverse Cracking Index	95				
Patching Index	99				
Rutting Index	60				
Roughness Condition Index (RCI)	75				

ROUTE: 0404 AUTO SHOP ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

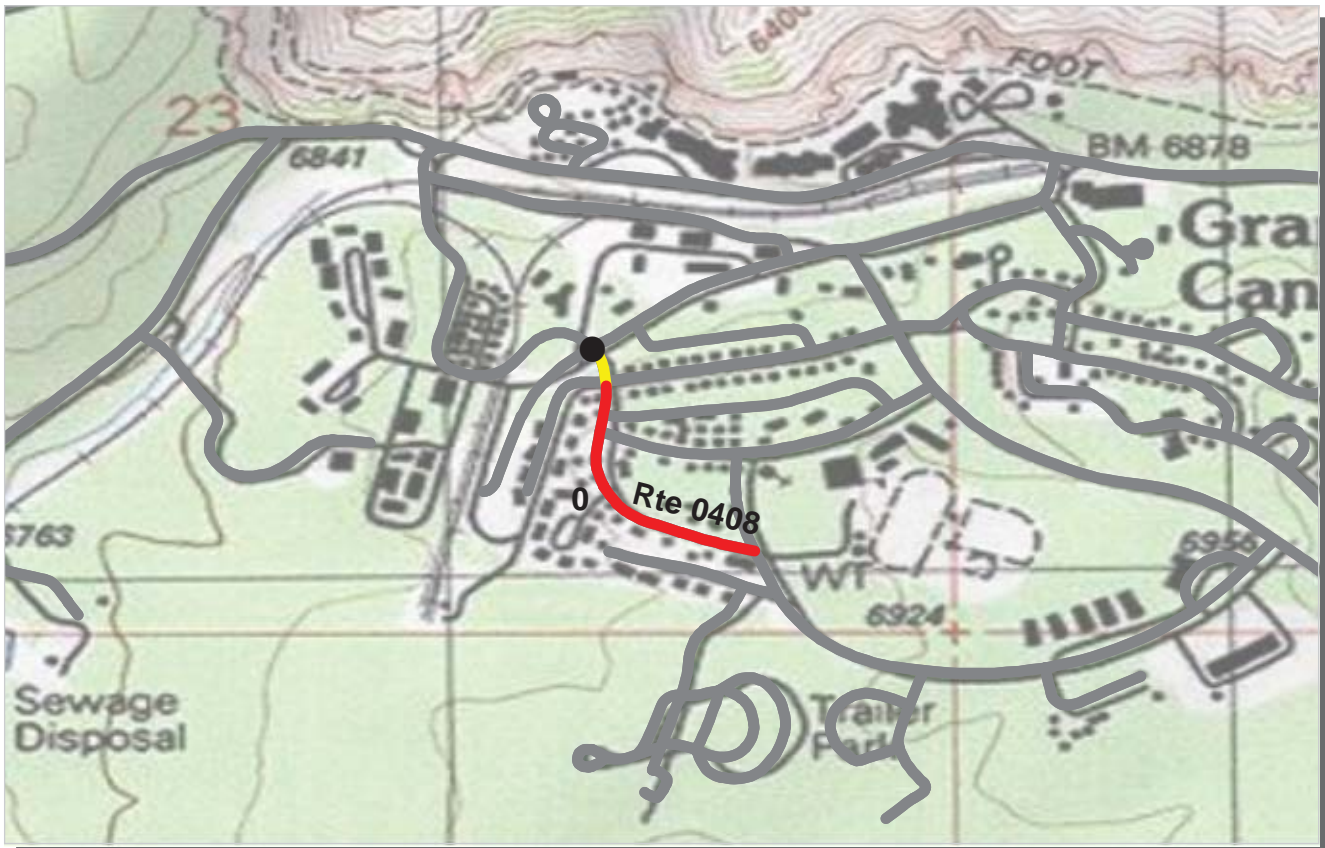
ROUTE: 0405 ADMIN LOOP
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/4/2009
TOTAL LENGTH: 0.28 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.28				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	15				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	50				
PCR (Pavement Condition Rating)	50				
Distress Index Values					
Alligator Cracking Index	86				
Longitudinal Cracking Index	94				
Transverse Cracking Index	95				
Patching Index	100				
Rutting Index	76				
Roughness Condition Index (RCI)	64				

ROUTE: 0405 ADMIN LOOP



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

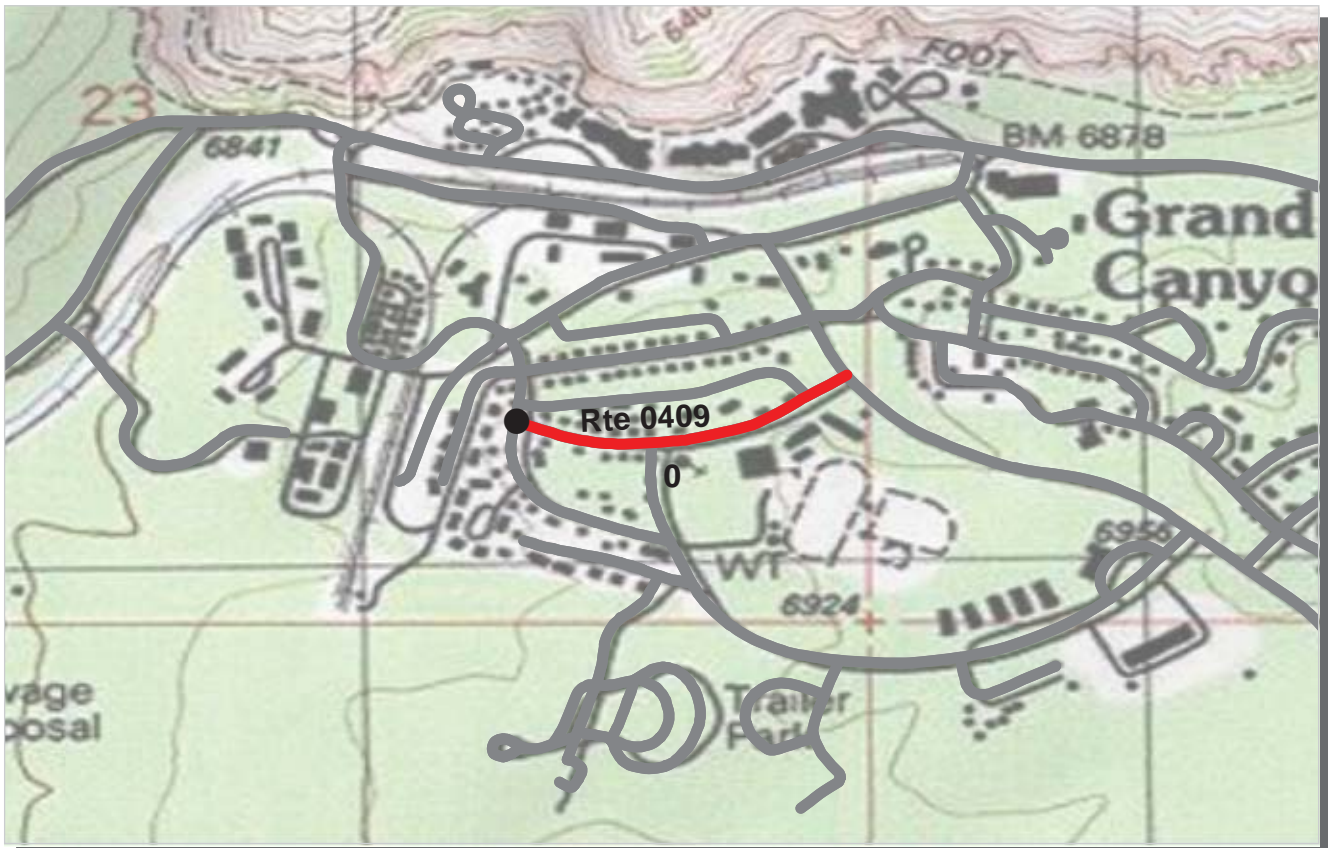
ROUTE: 0408 COCONINO ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.28 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.28				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	19				
PCR (Pavement Condition Rating)	21				
Distress Index Values					
Alligator Cracking Index	51				
Longitudinal Cracking Index	97				
Transverse Cracking Index	97				
Patching Index	97				
Rutting Index	68				
Roughness Condition Index (RCI)	32				

ROUTE: 0408 COCONINO ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

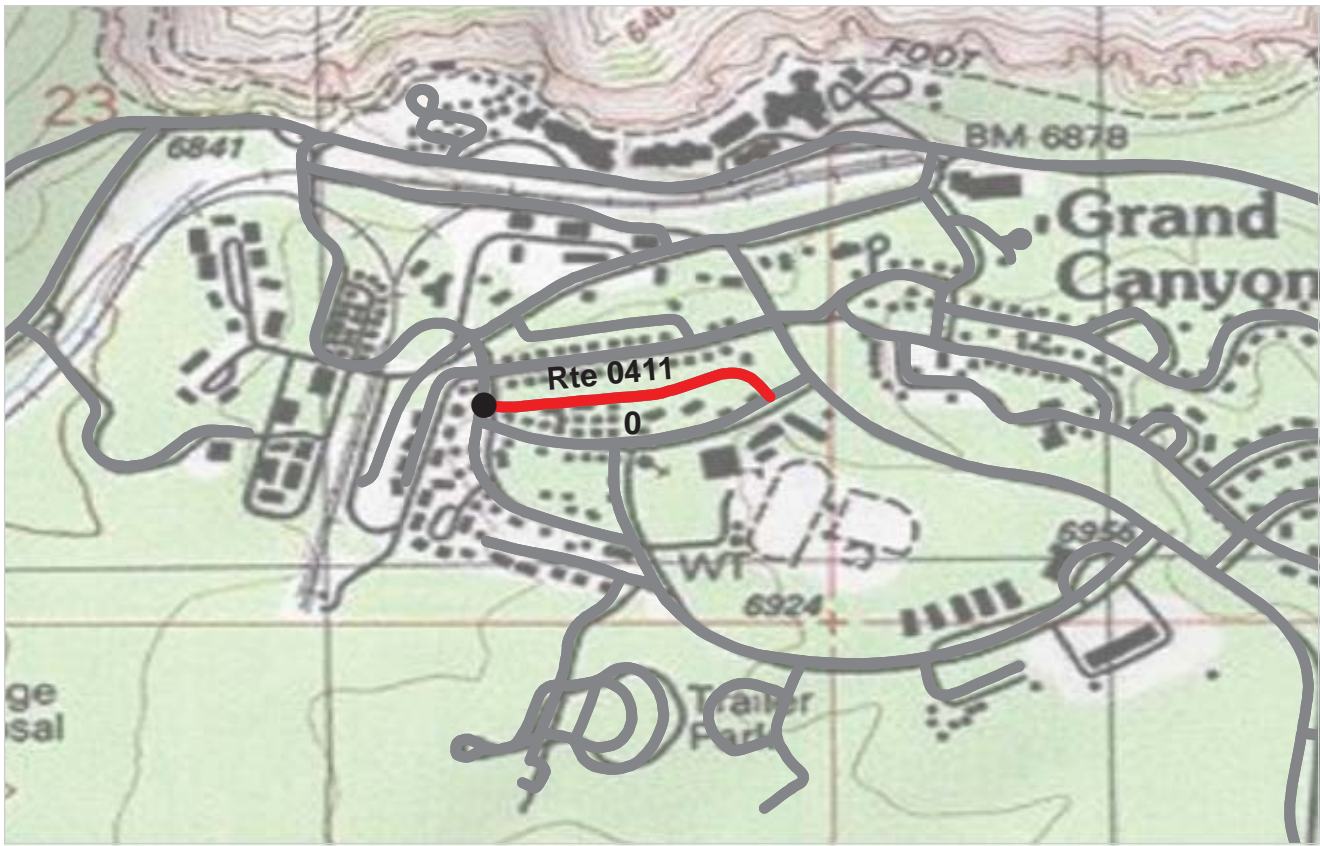
ROUTE: 0409 BOULDER STREET
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.28 Miles

INTERMOUNTAIN REGION

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.28				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	16				
PCR (Pavement Condition Rating)	17				
<i>Distress Index Values</i>					
Alligator Cracking Index	48				
Longitudinal Cracking Index	98				
Transverse Cracking Index	95				
Patching Index	98				
Rutting Index	74				
Roughness Condition Index (RCI)	29				

ROUTE: 0409 BOULDER STREET



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0411 BOULDER ALLEY
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.24 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.24				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	14				
Lane Width (ft)	7				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	18				
PCR (Pavement Condition Rating)	18				
Distress Index Values					
Alligator Cracking Index	72				
Longitudinal Cracking Index	93				
Transverse Cracking Index	97				
Patching Index	99				
Rutting Index	57				
Roughness Condition Index (RCI)	NC				

ROUTE: 0411 BOULDER ALLEY



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

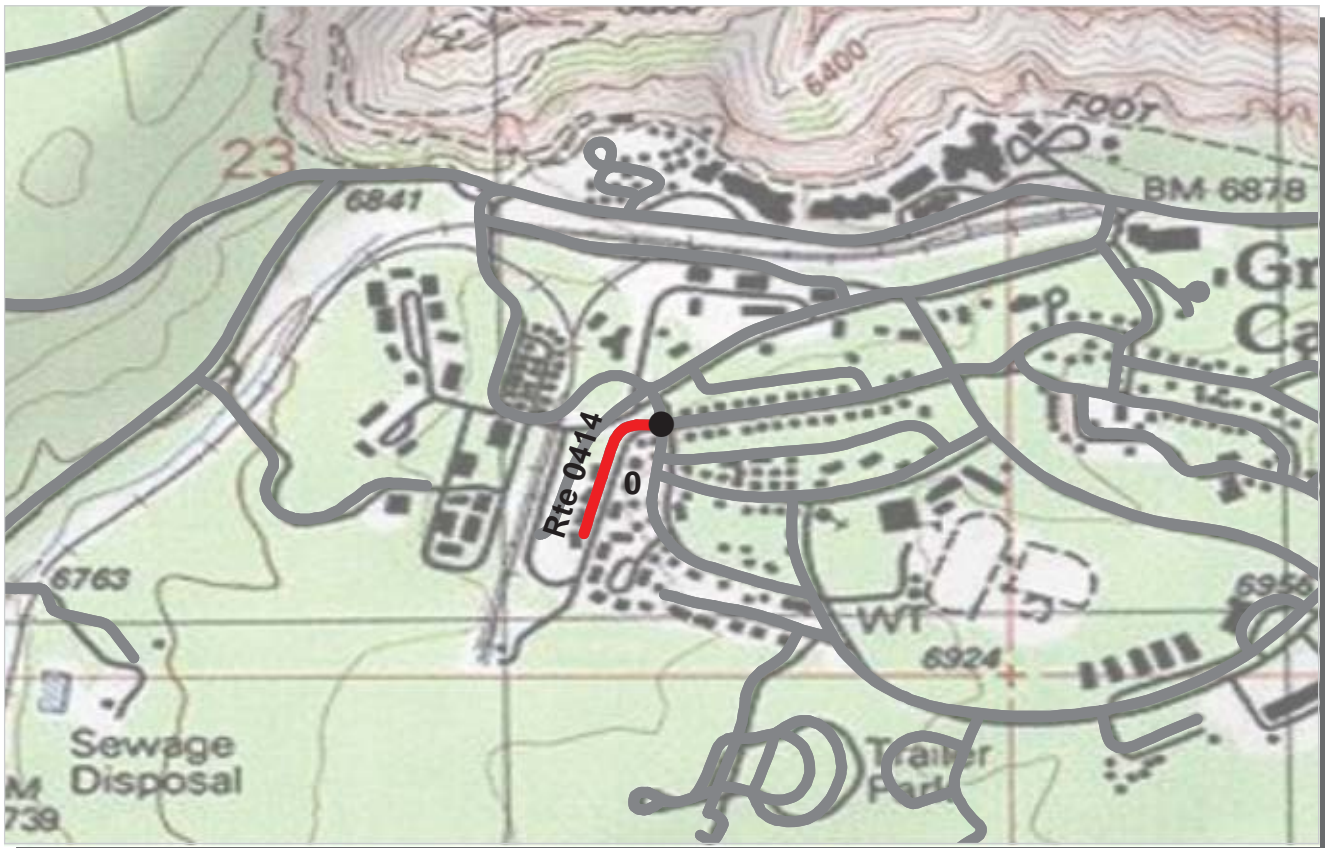
ROUTE: 0413 APACHE STREET
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.23 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.23				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	14				
Lane Width (ft)	14				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	94				
PCR (Pavement Condition Rating)	88				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	99				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	96				
Roughness Condition Index (RCI)	65				

ROUTE: 0413 APACHE STREET



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

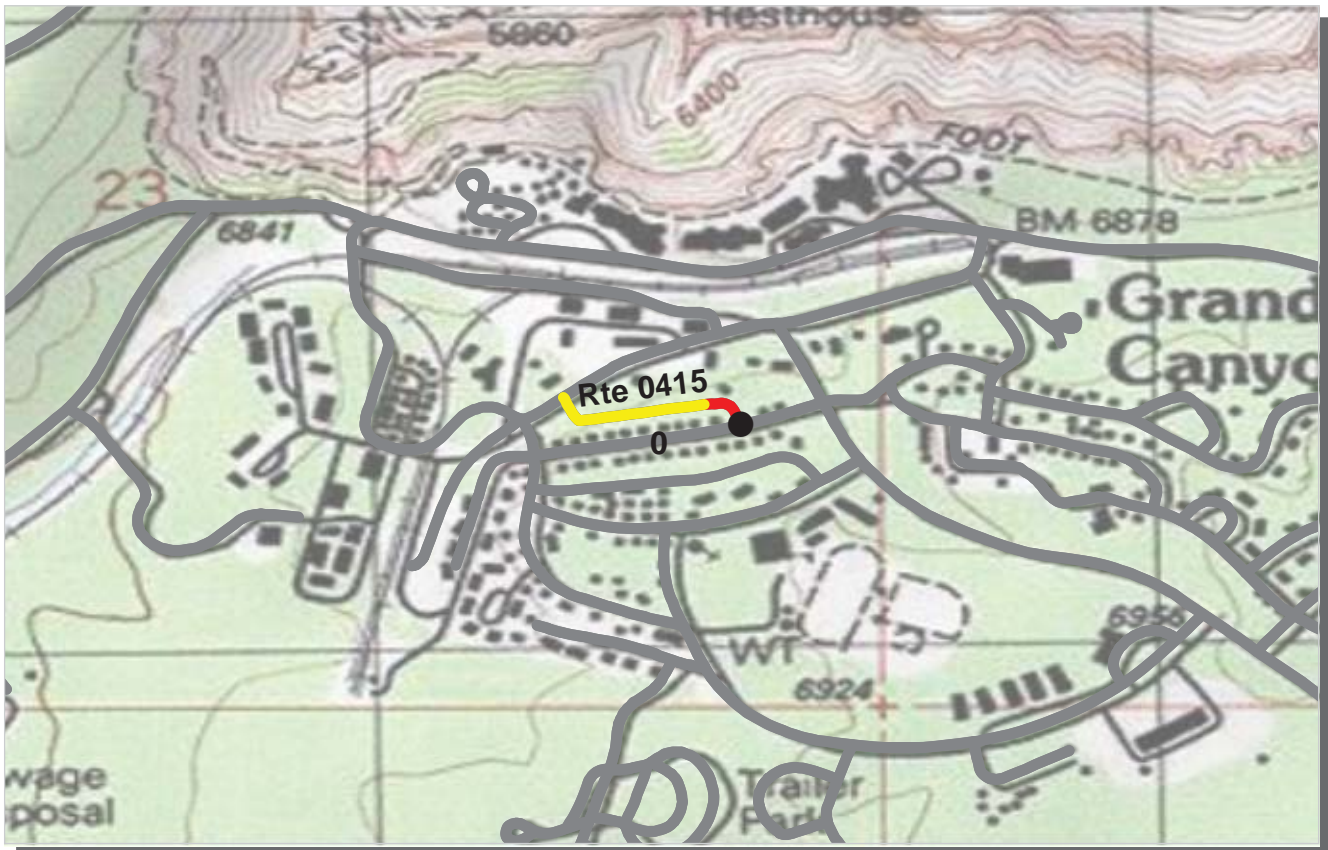
ROUTE: 0414 APACHE WEST
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.14 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.14				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	9				
PCR (Pavement Condition Rating)	9				
Distress Index Values					
Alligator Cracking Index	40				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	99				
Rutting Index	67				
Roughness Condition Index (RCI)	NC				

ROUTE: 0414 APACHE WEST



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

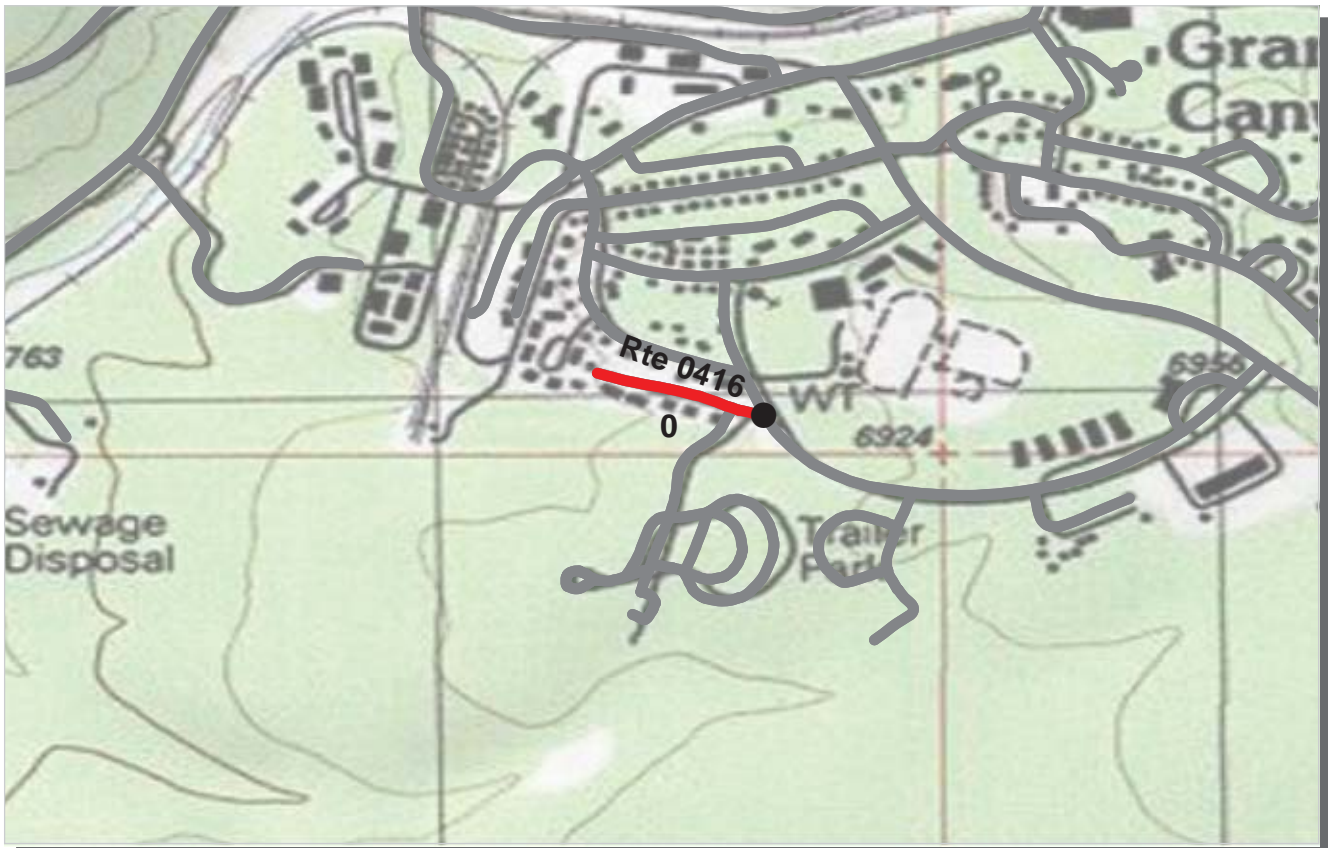
ROUTE: 0415 APACHE ALLEY
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.16 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.16				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	15				
Lane Width (ft)	8				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	68				
PCR (Pavement Condition Rating)	68				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	68				
Roughness Condition Index (RCI)	NC				

ROUTE: 0415 APACHE ALLEY



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0416 MUAV COURT
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.14 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.14				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	16				
PCR (Pavement Condition Rating)	16				
Distress Index Values					
Alligator Cracking Index	46				
Longitudinal Cracking Index	96				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	74				
Roughness Condition Index (RCI)	NC				

ROUTE: 0416 MUAV COURT



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0417 HUALAPAI ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.20 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.20				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	24				
PCR (Pavement Condition Rating)	29				
Distress Index Values					
Alligator Cracking Index	51				
Longitudinal Cracking Index	95				
Transverse Cracking Index	94				
Patching Index	99				
Rutting Index	82				
Roughness Condition Index (RCI)	49				

ROUTE: 0417 HUALAPAI ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0419 KOLB CIRCLE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.04 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.04				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	44				
PCR (Pavement Condition Rating)	44				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	96				
Transverse Cracking Index	90				
Patching Index	100				
Rutting Index	58				
Roughness Condition Index (RCI)	NC				

ROUTE: 0419 KOLB CIRCLE



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0420ZZ MATHER STREET AREA
GRCA : GRAND CANYON NATIONAL PARK

Summary Record **COLLECTED: 10/6/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 0.17 Miles**

Section Number						
Section Length (mi)						
Traffic		Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information						
Number of Lanes	N/A					
Paved Width (ft)	N/A					
Lane Width (ft)	N/A					
Shoulder Width Right (ft)	NC					
Shoulder Width Left (ft)	NC					
Roadway Condition Information						
SCR (Surface Condition Rating)	14					
PCR (Pavement Condition Rating)	14					
Distress Index Values						
Alligator Cracking Index	N/A					
Longitudinal Cracking Index	N/A					
Transverse Cracking Index	N/A					
Patching Index	N/A					
Rutting Index	N/A					
Roughness Condition Index (RCI)	N/A					

ROUTE: 0420ZZ MATHER STREET AREA



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0420AZ MATHER STREET A
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

COLLECTED: 10/6/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.07 Miles

Section Number	0				
Section Length (mi)	0.07				
Traffic	Traffic data may be found at www.epl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	9				
PCR (Pavement Condition Rating)	9				
Distress Index Values					
Alligator Cracking Index	67				
Longitudinal Cracking Index	94				
Transverse Cracking Index	89				
Patching Index	95				
Rutting Index	48				
Roughness Condition Index (RCI)	NC				

ROUTE: 0420AZ MATHER STREET A



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.					

ROUTE: 0420BZ MATHER STREET B
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/6/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 0.10 Miles**

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.10				
<i>Traffic</i>	Traffic data may be found at www.epl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	2				
Paved Width (ft)	14				
Lane Width (ft)	7				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	21				
PCR (Pavement Condition Rating)	21				
<i>Distress Index Values</i>					
Alligator Cracking Index	58				
Longitudinal Cracking Index	98				
Transverse Cracking Index	96				
Patching Index	100				
Rutting Index	67				
Roughness Condition Index (RCI)	NC				

ROUTE: 0420BZ MATHER STREET B



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

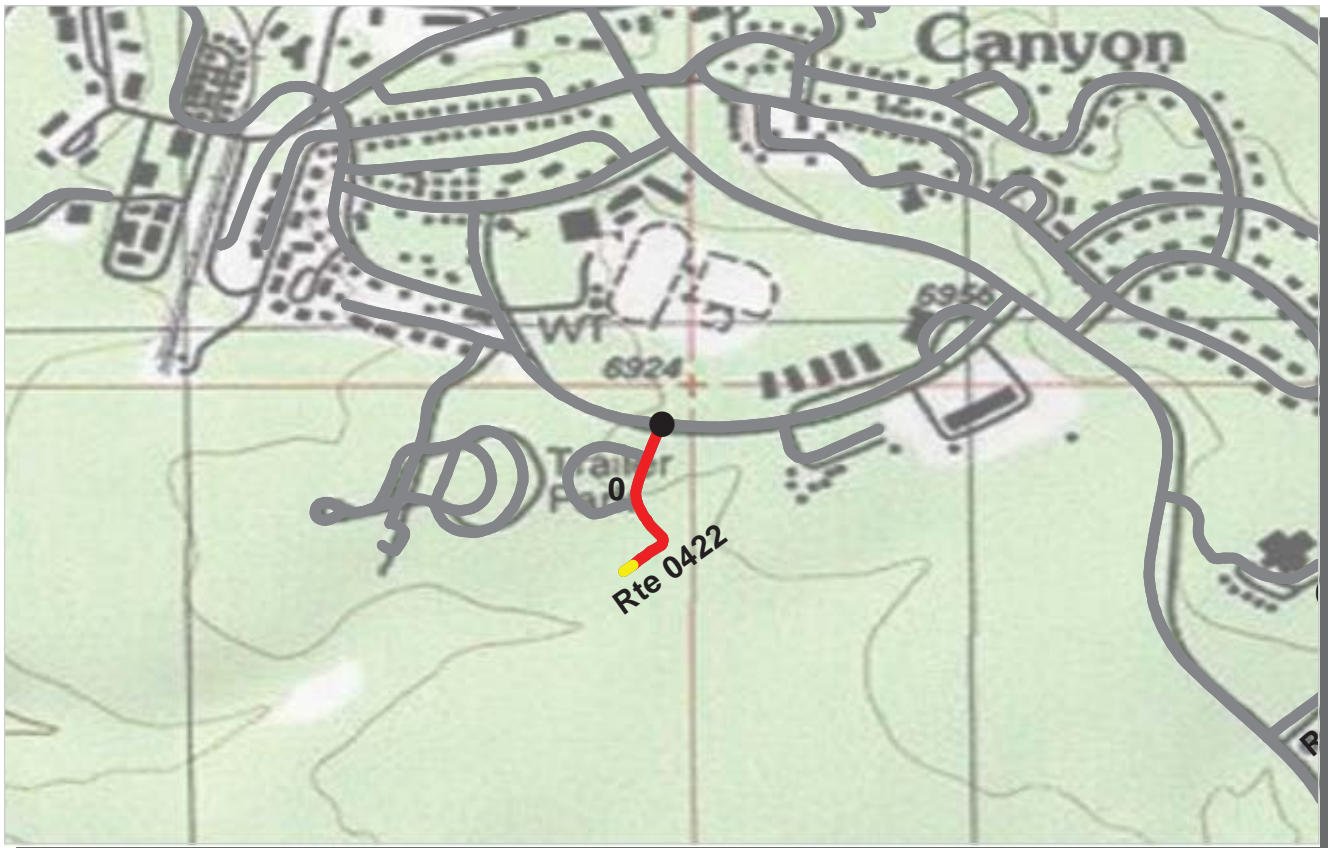
ROUTE: 0421 POWELL AVENUE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.26 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.26				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	13				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	83				
PCR (Pavement Condition Rating)	83				
Distress Index Values					
Alligator Cracking Index	95				
Longitudinal Cracking Index	95				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	95				
Roughness Condition Index (RCI)	NC				

ROUTE: 0421 POWELL AVENUE



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0422 SOUTH MOHAVE STREET
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.17 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.17				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	41				
PCR (Pavement Condition Rating)	43				
Distress Index Values					
Alligator Cracking Index	67				
Longitudinal Cracking Index	98				
Transverse Cracking Index	98				
Patching Index	99				
Rutting Index	79				
Roughness Condition Index (RCI)	42				

ROUTE: 0422 SOUTH MOHAVE STREET



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

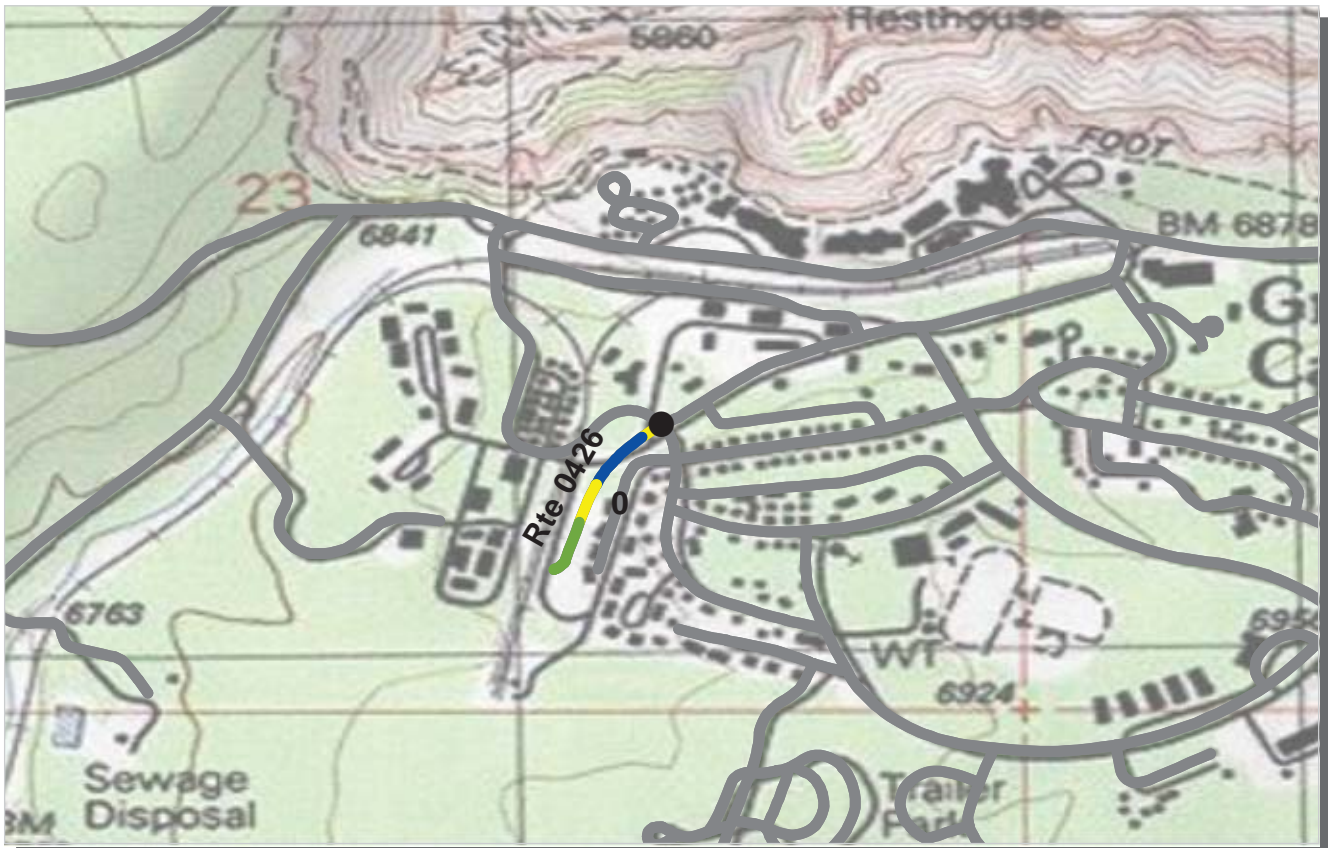
ROUTE: 0423 MOHAVE COURT
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.16 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.16				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	25				
PCR (Pavement Condition Rating)	25				
Distress Index Values					
Alligator Cracking Index	72				
Longitudinal Cracking Index	93				
Transverse Cracking Index	93				
Patching Index	100				
Rutting Index	67				
Roughness Condition Index (RCI)	NC				

ROUTE: 0423 MOHAVE COURT



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

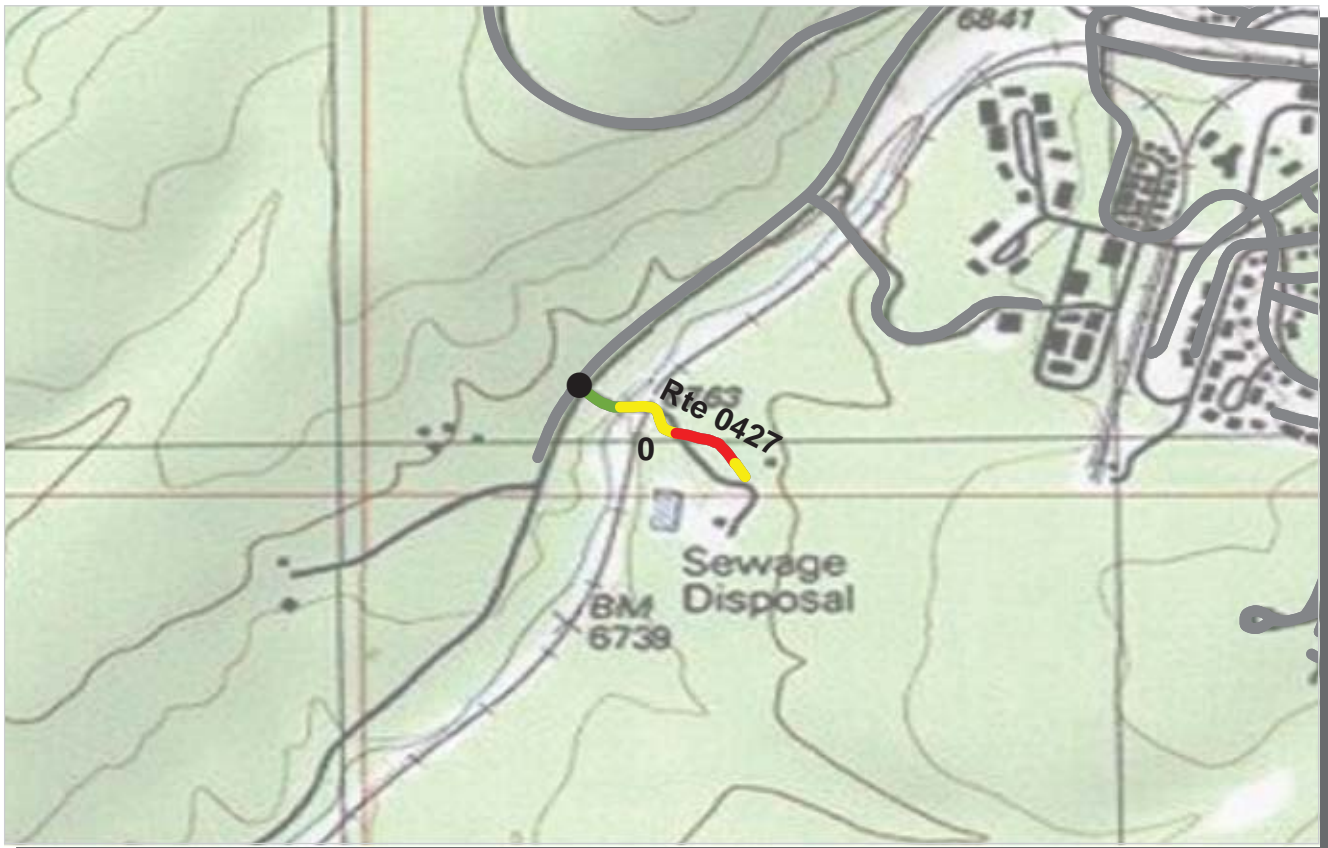
ROUTE: 0426 MASWICK TRANSPORTATION CENTER ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.17 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.17				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	84				
PCR (Pavement Condition Rating)	87				
Distress Index Values					
Alligator Cracking Index	95				
Longitudinal Cracking Index	99				
Transverse Cracking Index	96				
Patching Index	100				
Rutting Index	94				
Roughness Condition Index (RCI)	91				

ROUTE: 0426 MASWICK TRANSPORTATION CENTER ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0427 KENNELS ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.17 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.17				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	15				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	62				
PCR (Pavement Condition Rating)	62				
Distress Index Values					
Alligator Cracking Index	83				
Longitudinal Cracking Index	91				
Transverse Cracking Index	96				
Patching Index	100				
Rutting Index	93				
Roughness Condition Index (RCI)	NC				

ROUTE: 0427 KENNELS ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

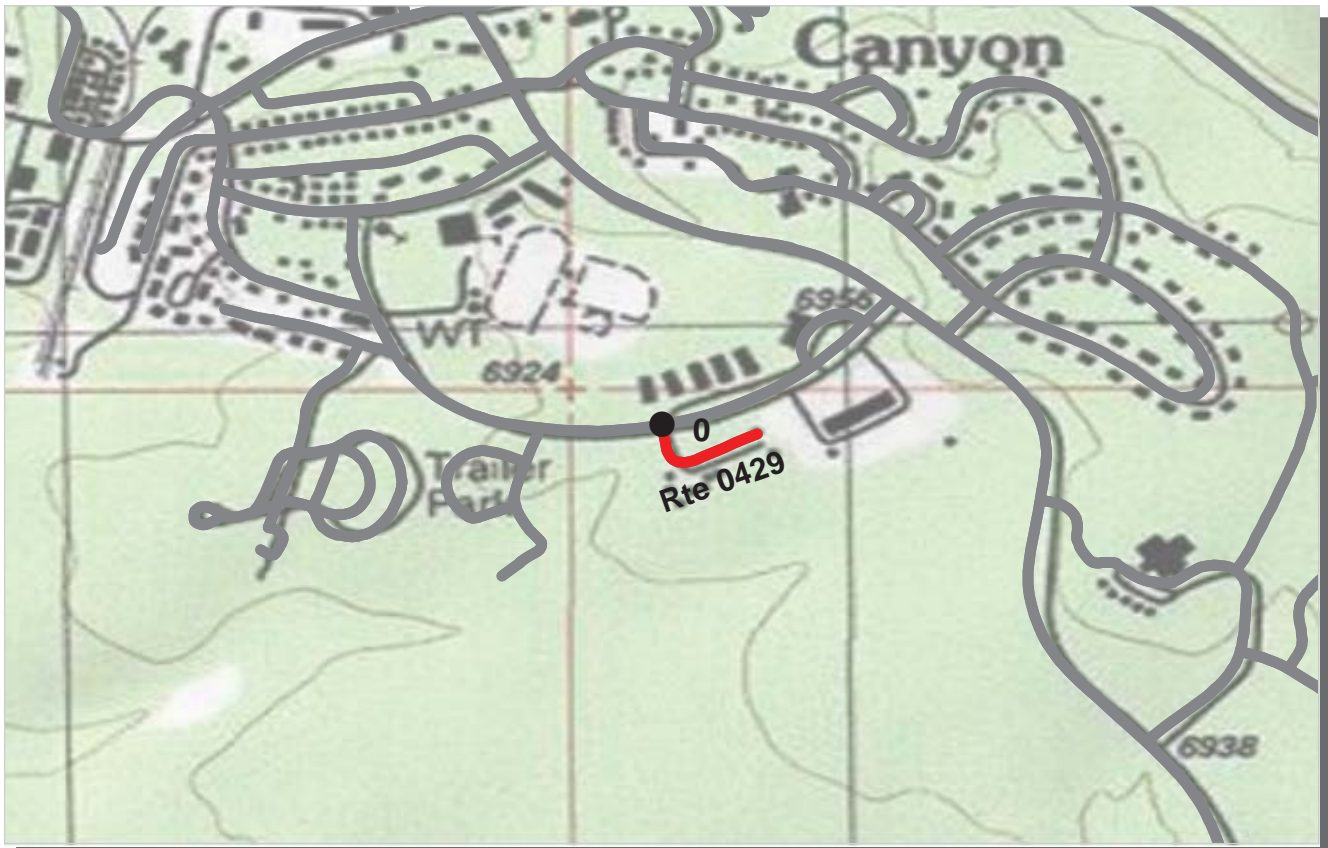
ROUTE: 0428 SHUTTLE BUS ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.60 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.60				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	63				
PCR (Pavement Condition Rating)	58				
Distress Index Values					
Alligator Cracking Index	73				
Longitudinal Cracking Index	99				
Transverse Cracking Index	99				
Patching Index	99				
Rutting Index	93				
Roughness Condition Index (RCI)	57				

ROUTE: 0428 SHUTTLE BUS ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

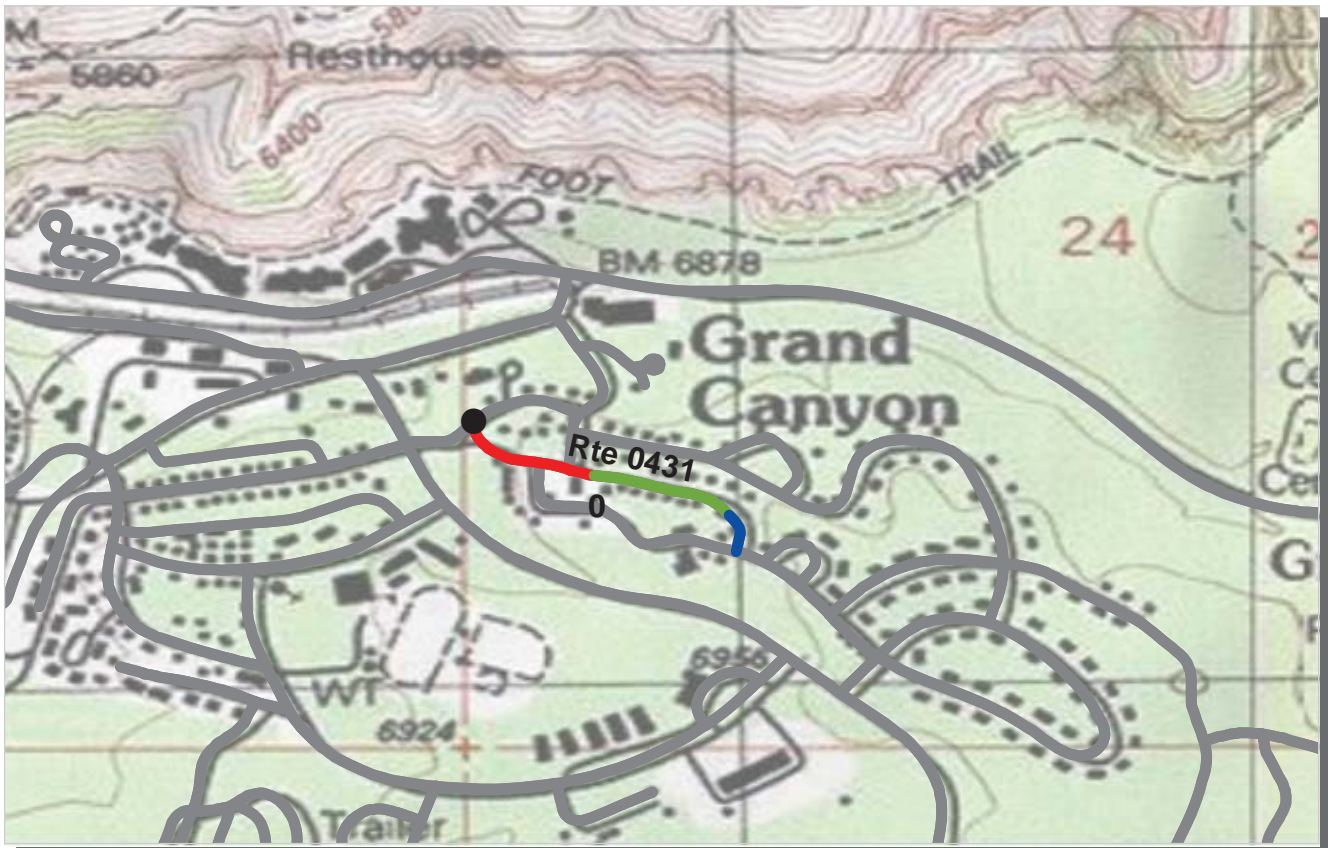
ROUTE: 0429 NPS HOUSING ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.11 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.11				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	15				
Lane Width (ft)	7				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	50				
PCR (Pavement Condition Rating)	50				
Distress Index Values					
Alligator Cracking Index	97				
Longitudinal Cracking Index	98				
Transverse Cracking Index	99				
Patching Index	99				
Rutting Index	56				
Roughness Condition Index (RCI)	NC				

ROUTE: 0429 NPS HOUSING ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0431 JUNIPER HILL
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.27 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.27				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	63				
PCR (Pavement Condition Rating)	61				
Distress Index Values					
Alligator Cracking Index	83				
Longitudinal Cracking Index	99				
Transverse Cracking Index	98				
Patching Index	99				
Rutting Index	81				
Roughness Condition Index (RCI)	69				

ROUTE: 0431 JUNIPER HILL



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0432 NAVAJO STREET
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.17 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.17				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	9				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	58				
PCR (Pavement Condition Rating)	52				
Distress Index Values					
Alligator Cracking Index	97				
Longitudinal Cracking Index	95				
Transverse Cracking Index	95				
Patching Index	99				
Rutting Index	71				
Roughness Condition Index (RCI)	29				

ROUTE: 0432 NAVAJO STREET



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0433 TAPEATS CIRCLE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.11 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.11				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	27				
PCR (Pavement Condition Rating)	27				
Distress Index Values					
Alligator Cracking Index	61				
Longitudinal Cracking Index	96				
Transverse Cracking Index	96				
Patching Index	100				
Rutting Index	74				
Roughness Condition Index (RCI)	NC				

ROUTE: 0433 TAPEATS CIRCLE



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

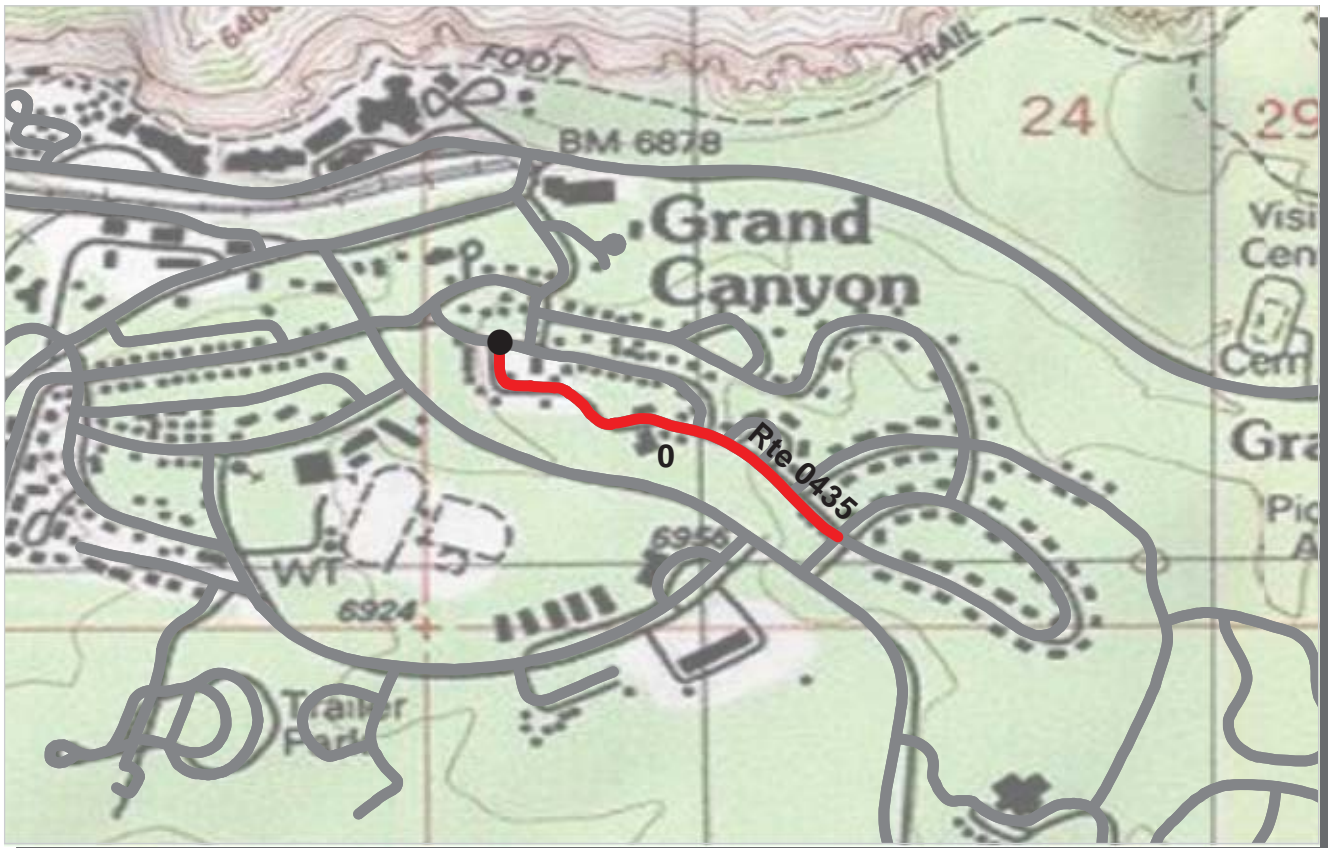
ROUTE: 0434 HERMIT CIRCLE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.08 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.08				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	65				
PCR (Pavement Condition Rating)	65				
Distress Index Values					
Alligator Cracking Index	97				
Longitudinal Cracking Index	96				
Transverse Cracking Index	92				
Patching Index	100				
Rutting Index	80				
Roughness Condition Index (RCI)	NC				

ROUTE: 0434 HERMIT CIRCLE



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0435 SUNSET DRIVE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.36 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.36				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	39				
PCR (Pavement Condition Rating)	39				
Distress Index Values					
Alligator Cracking Index	74				
Longitudinal Cracking Index	95				
Transverse Cracking Index	94				
Patching Index	96				
Rutting Index	77				
Roughness Condition Index (RCI)	37				

ROUTE: 0435 SUNSET DRIVE



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0436ZZ BRIGHT ANGEL LOOP ROADS
GRCA : GRAND CANYON NATIONAL PARK

Summary Record COLLECTED: 10/6/2009
INTERMOUNTAIN REGION TOTAL LENGTH: 0.19 Miles

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	42				
PCR (Pavement Condition Rating)	42				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0436ZZ BRIGHT ANGEL LOOP ROADS

NC - Not Collected



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0436AZ BRIGHT ANGEL LOOP ROAD A
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

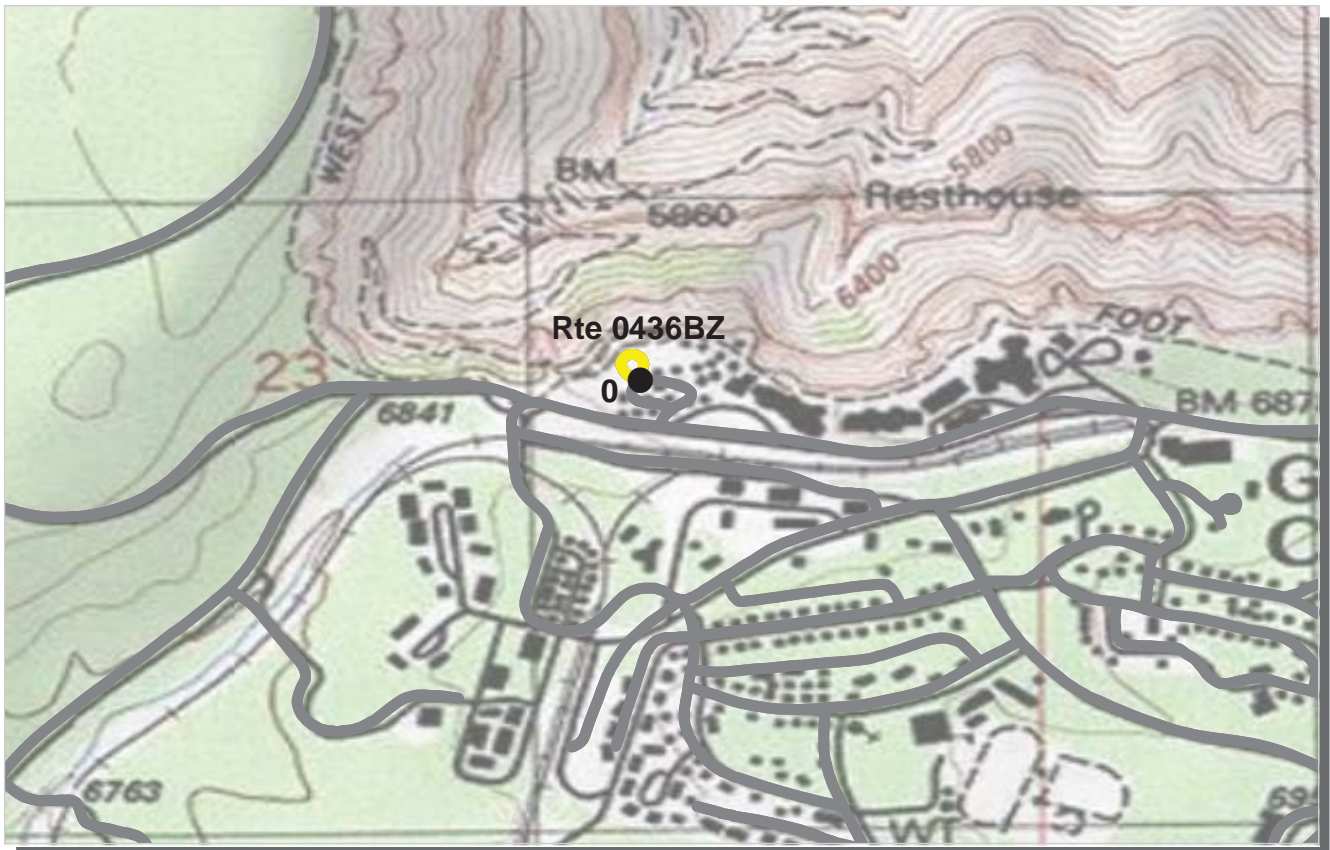
COLLECTED: 10/6/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.13 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.13				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	31				
PCR (Pavement Condition Rating)	31				
<i>Distress Index Values</i>					
Alligator Cracking Index	69				
Longitudinal Cracking Index	97				
Transverse Cracking Index	97				
Patching Index	99				
Rutting Index	69				
Roughness Condition Index (RCI)	NC				

ROUTE: 0436AZ BRIGHT ANGEL LOOP ROAD A



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (≤60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0436BZ BRIGHT ANGEL LOOP ROAD B
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

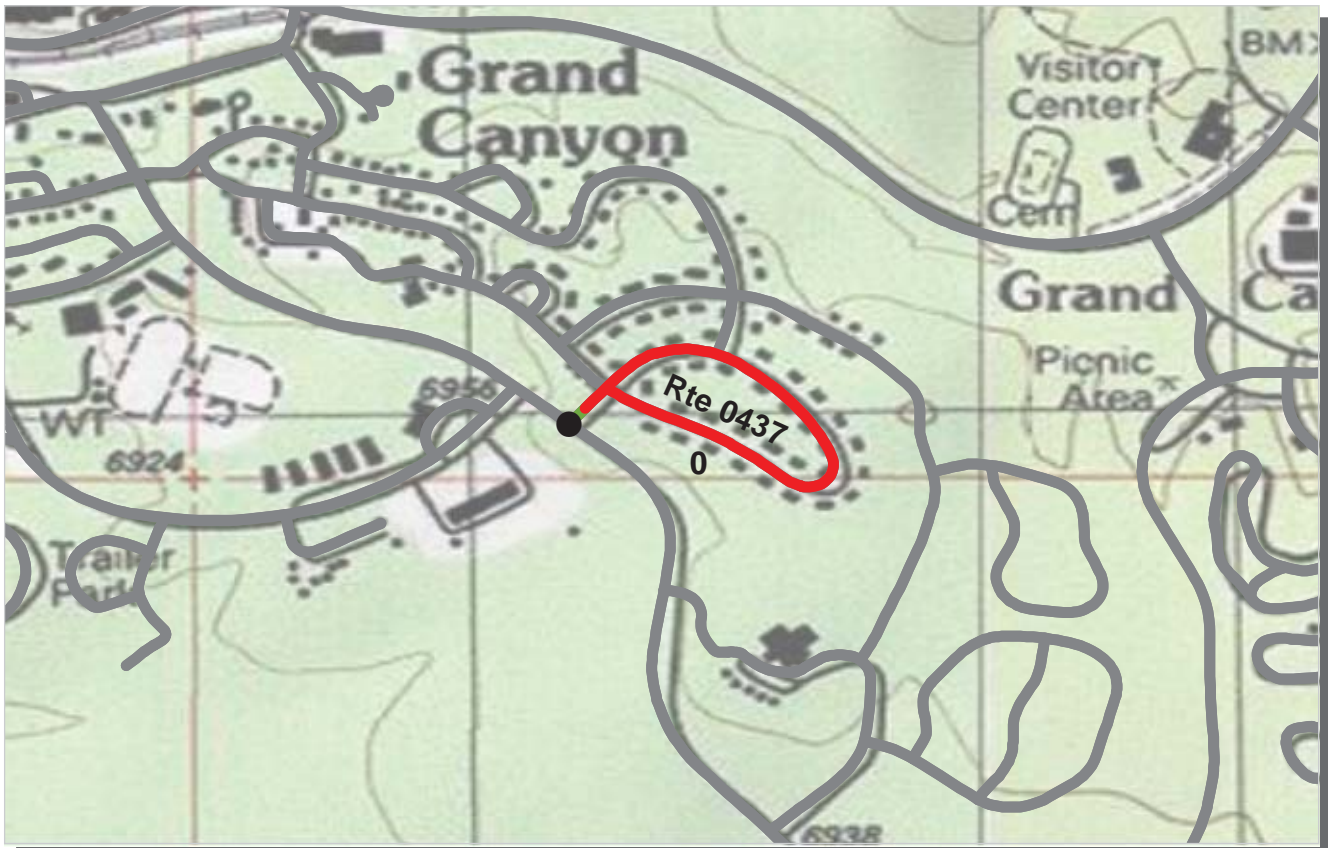
COLLECTED: 10/6/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.06 Miles

Section Number	0				
Section Length (mi)	0.06				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	68				
PCR (Pavement Condition Rating)	68				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	69				
Roughness Condition Index (RCI)	NC				

ROUTE: 0436BZ BRIGHT ANGEL LOOP ROAD B



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

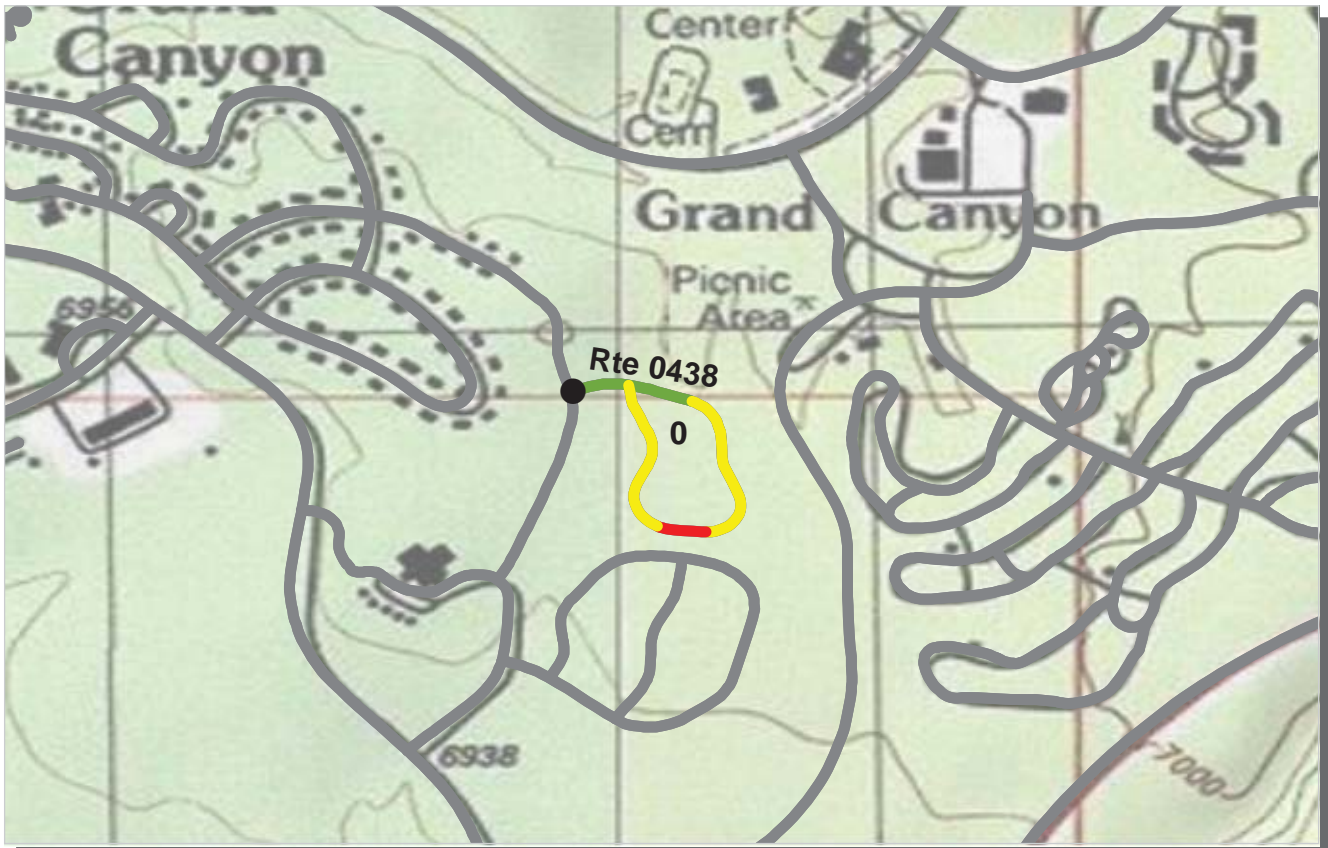
ROUTE: 0437 PARK CIRCLE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.52 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.52				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	10				
PCR (Pavement Condition Rating)	31				
Distress Index Values					
Alligator Cracking Index	28				
Longitudinal Cracking Index	97				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	81				
Roughness Condition Index (RCI)	64				

ROUTE: 0437 PARK CIRCLE



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

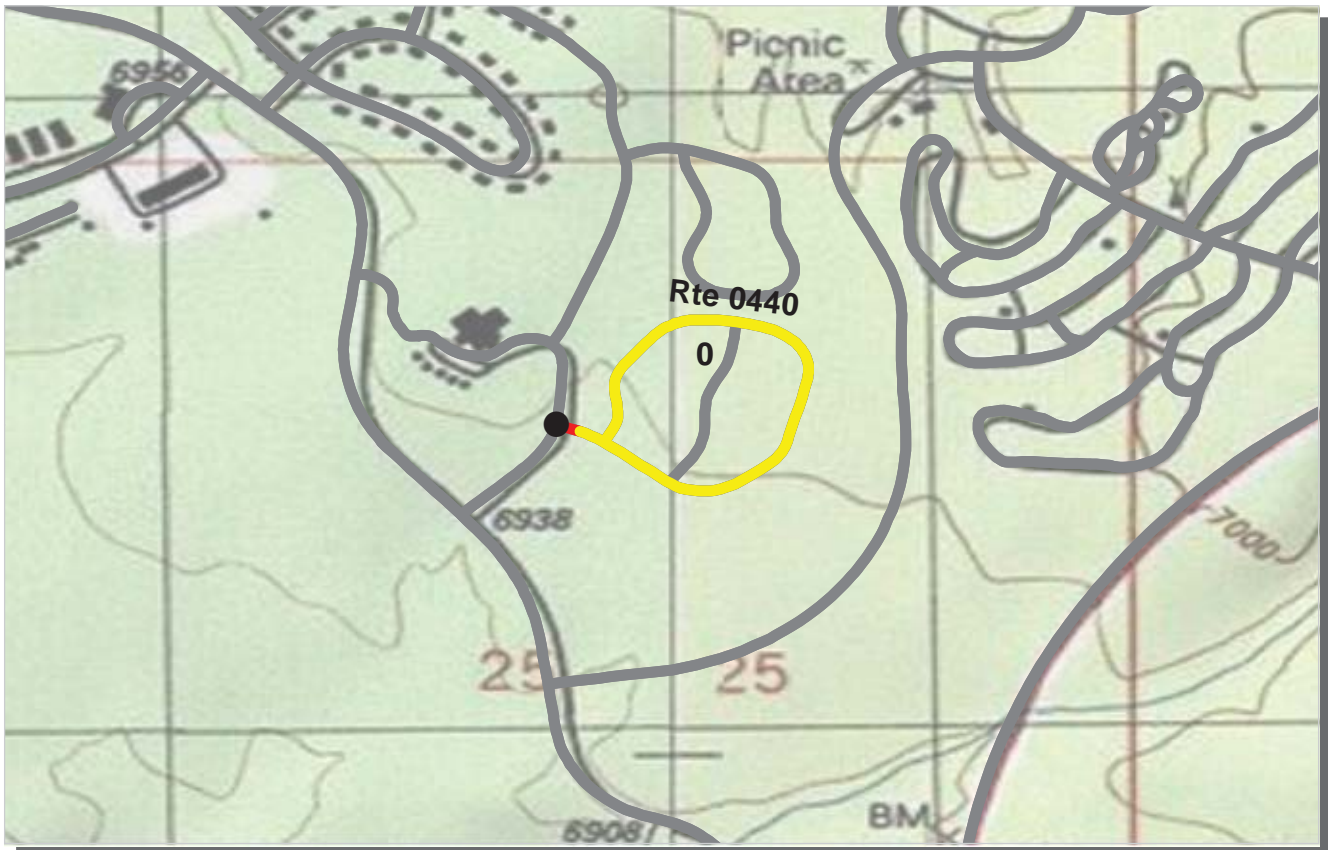
ROUTE: 0438 BARRY HANCE CIRCLE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.45 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.45				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	82				
PCR (Pavement Condition Rating)	75				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	96				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	88				
Roughness Condition Index (RCI)	57				

ROUTE: 0438 BARRY HANCE CIRCLE



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

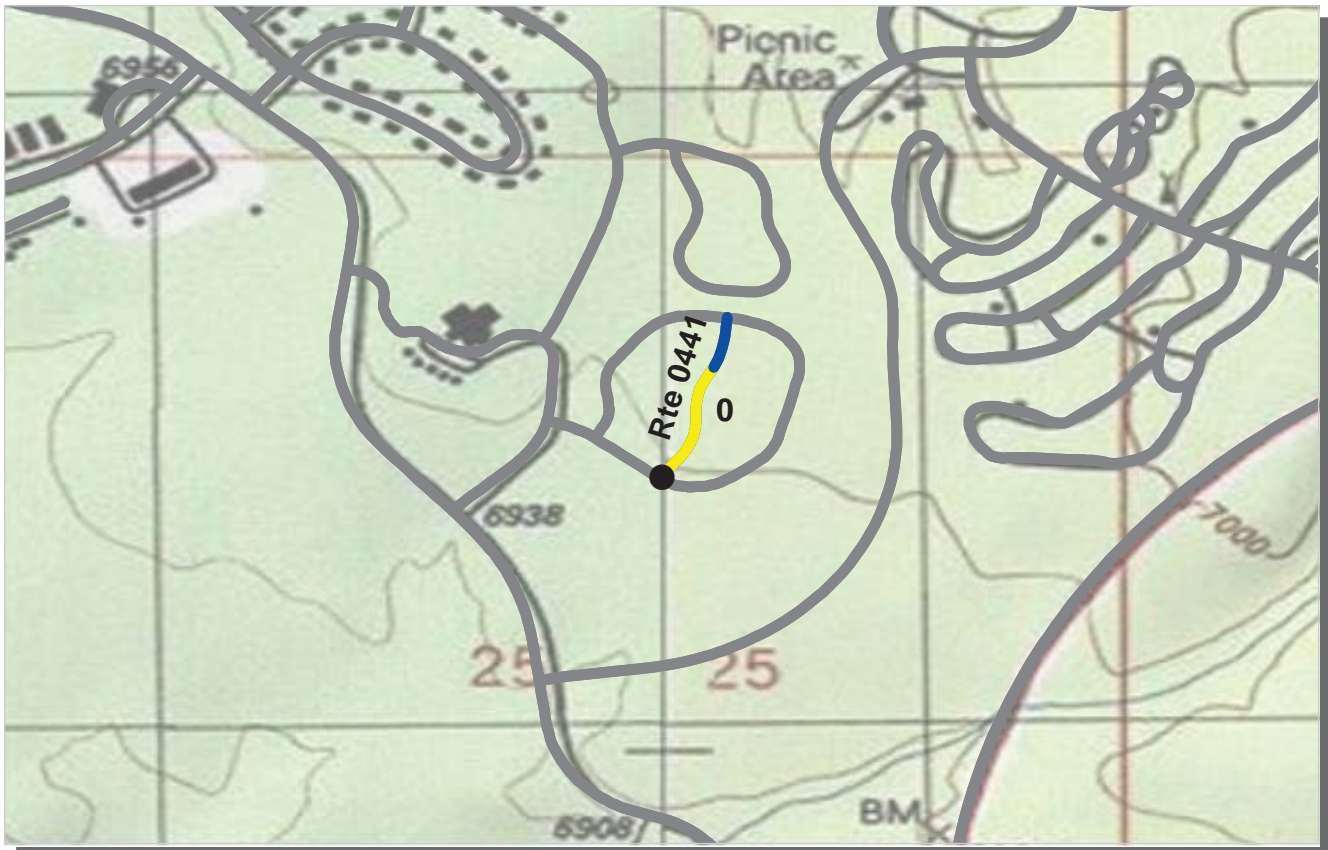
ROUTE: 0440 RANDY THOMPSON CIRCLE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.56 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.56				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	84				
PCR (Pavement Condition Rating)	71				
Distress Index Values					
Alligator Cracking Index	99				
Longitudinal Cracking Index	95				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	94				
Roughness Condition Index (RCI)	49				

ROUTE: 0440 RANDY THOMPSON CIRCLE



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0441 BOB MANN STREET
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.17 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.17				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	92				
PCR (Pavement Condition Rating)	87				
Distress Index Values					
Alligator Cracking Index	99				
Longitudinal Cracking Index	98				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	95				
Roughness Condition Index (RCI)	60				

ROUTE: 0441 BOB MANN STREET



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0442 MORAN AVENUE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.10 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.10				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	85				
PCR (Pavement Condition Rating)	85				
Distress Index Values					
Alligator Cracking Index	94				
Longitudinal Cracking Index	96				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	95				
Roughness Condition Index (RCI)	NC				

ROUTE: 0442 MORAN AVENUE



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

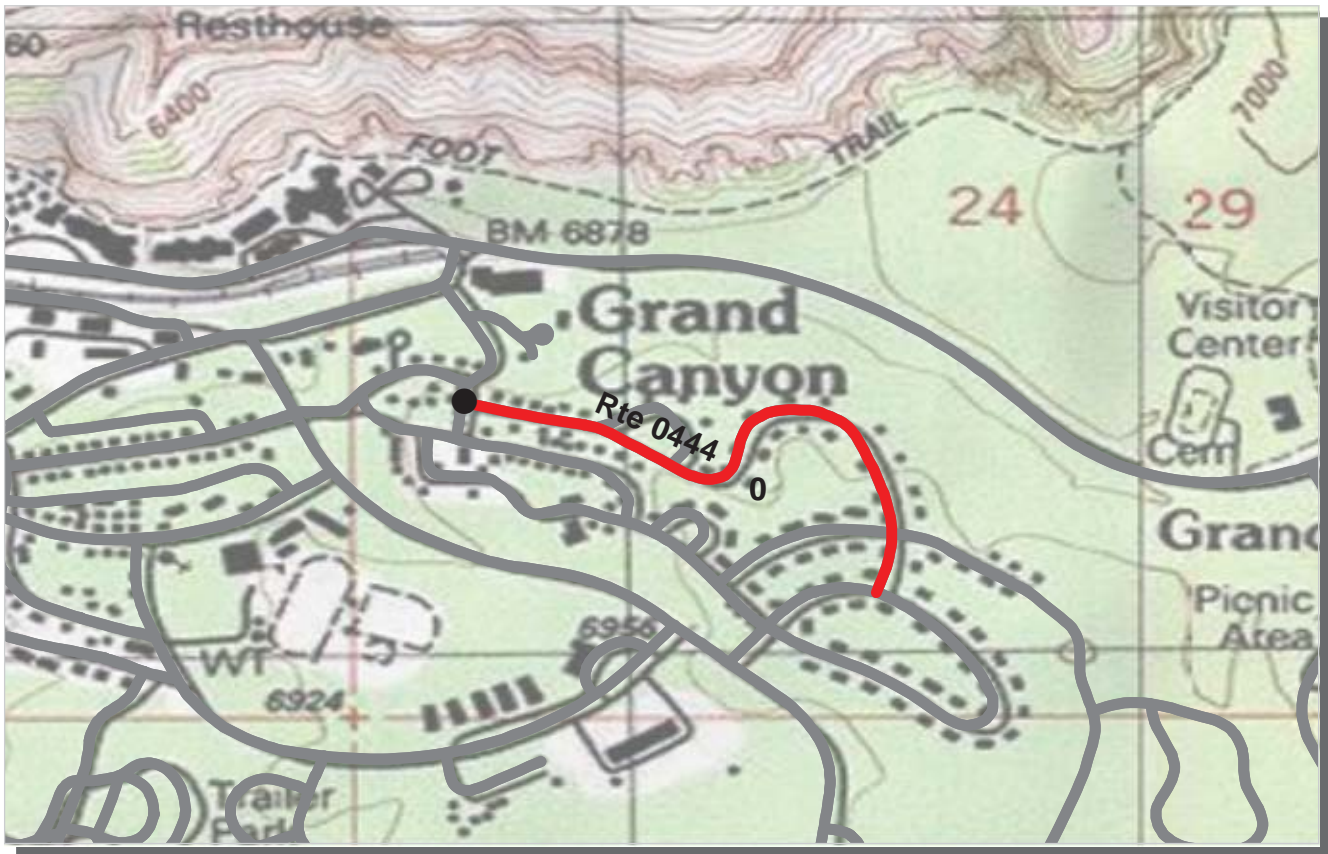
ROUTE: 0443 LIPAN STREET
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.06 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.06				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	71				
PCR (Pavement Condition Rating)	71				
Distress Index Values					
Alligator Cracking Index	87				
Longitudinal Cracking Index	94				
Transverse Cracking Index	96				
Patching Index	99				
Rutting Index	95				
Roughness Condition Index (RCI)	NC				

ROUTE: 0443 LIPAN STREET



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

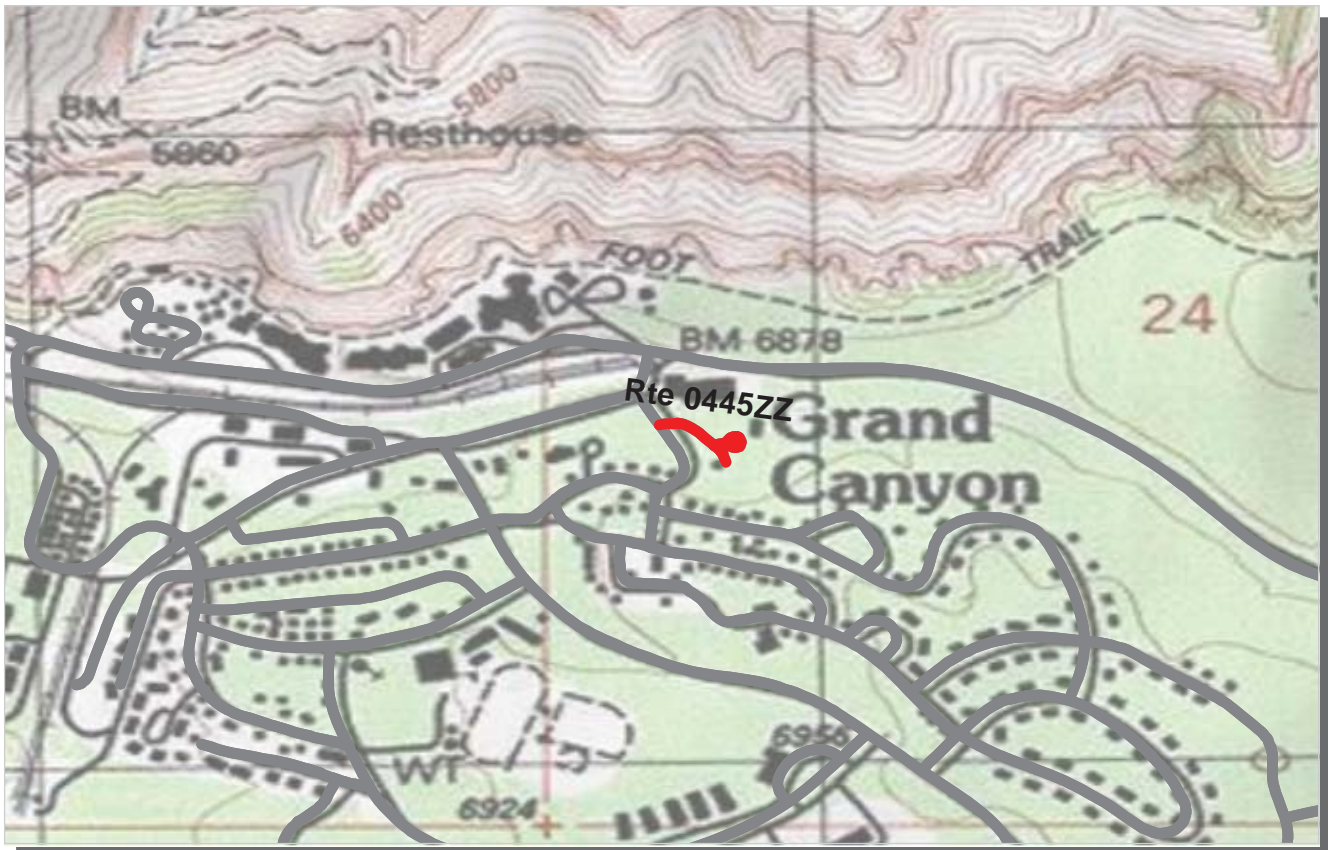
ROUTE: 0444 KAIBAB STREET
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.54 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.54				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	36				
PCR (Pavement Condition Rating)	39				
Distress Index Values					
Alligator Cracking Index	67				
Longitudinal Cracking Index	94				
Transverse Cracking Index	91				
Patching Index	99				
Rutting Index	84				
Roughness Condition Index (RCI)	43				

ROUTE: 0444 KAIBAB STREET



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0445ZZ NAVAJO RESIDENCE ROADS
GRCA : GRAND CANYON NATIONAL PARK

Summary Record

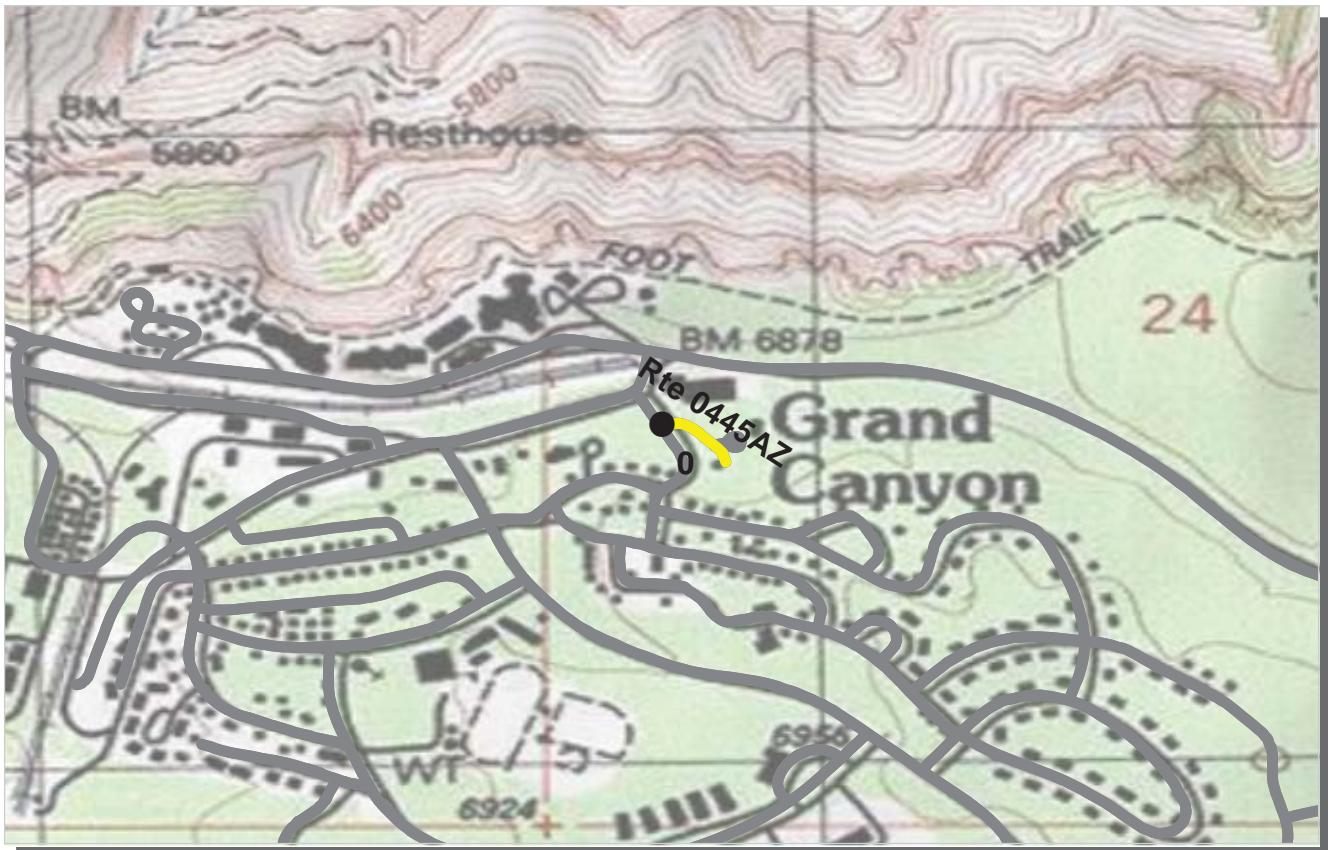
COLLECTED: 10/6/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.11 Miles

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	56				
PCR (Pavement Condition Rating)	56				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0445ZZ NAVAJO RESIDENCE ROADS



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0445AZ NAVAJO RESIDENCE ROAD A
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

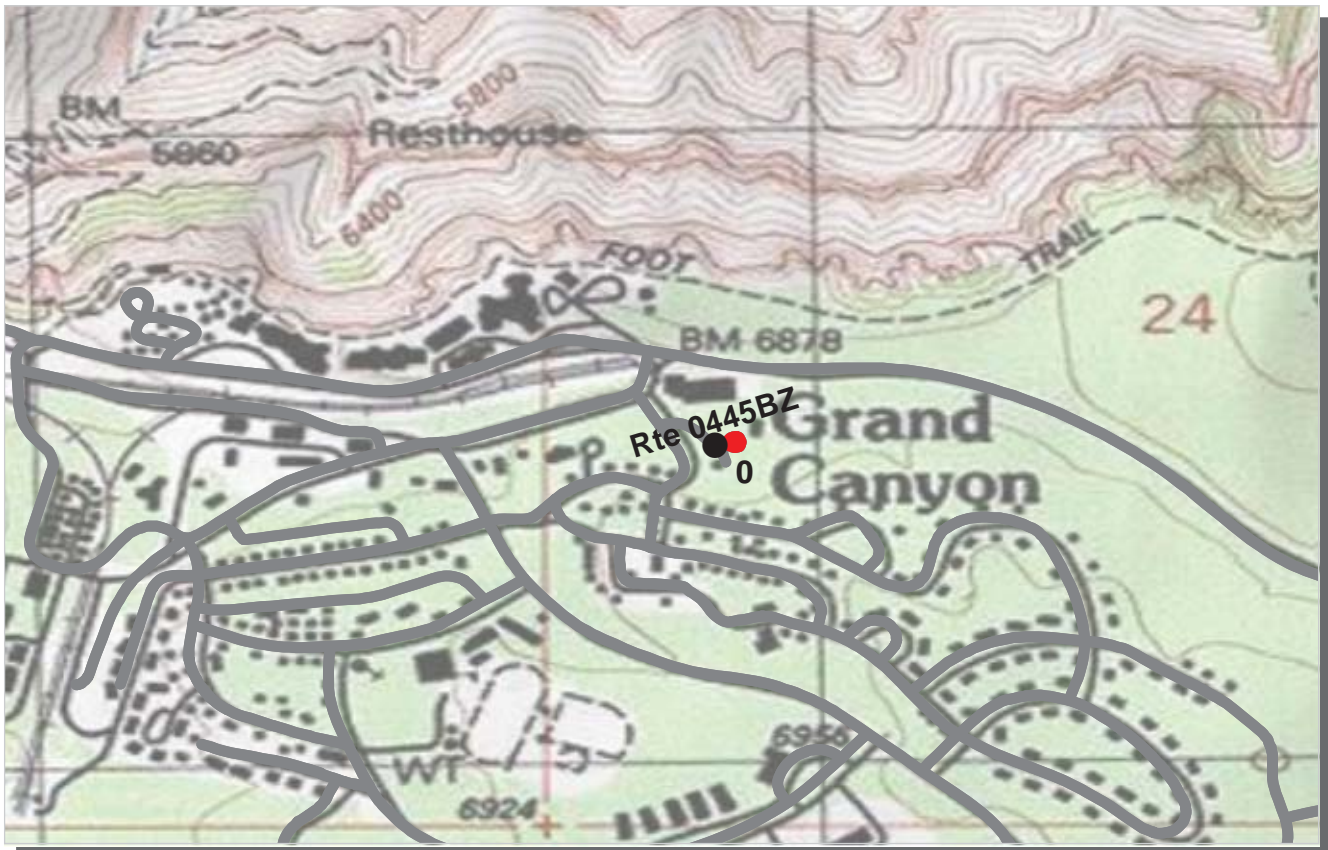
COLLECTED: 10/6/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.07 Miles

Section Number	0				
Section Length (mi)	0.07				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	74				
PCR (Pavement Condition Rating)	74				
Distress Index Values					
Alligator Cracking Index	99				
Longitudinal Cracking Index	98				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	78				
Roughness Condition Index (RCI)	NC				

ROUTE: 0445AZ NAVAJO RESIDENCE ROAD A



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0445BZ NAVAJO RESIDENCE ROAD B
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

COLLECTED: 10/6/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.04 Miles

Section Number	0				
Section Length (mi)	0.04				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	33				
PCR (Pavement Condition Rating)	33				
Distress Index Values					
Alligator Cracking Index	78				
Longitudinal Cracking Index	96				
Transverse Cracking Index	96				
Patching Index	100				
Rutting Index	63				
Roughness Condition Index (RCI)	NC				

ROUTE: 0445BZ NAVAJO RESIDENCE ROAD B



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

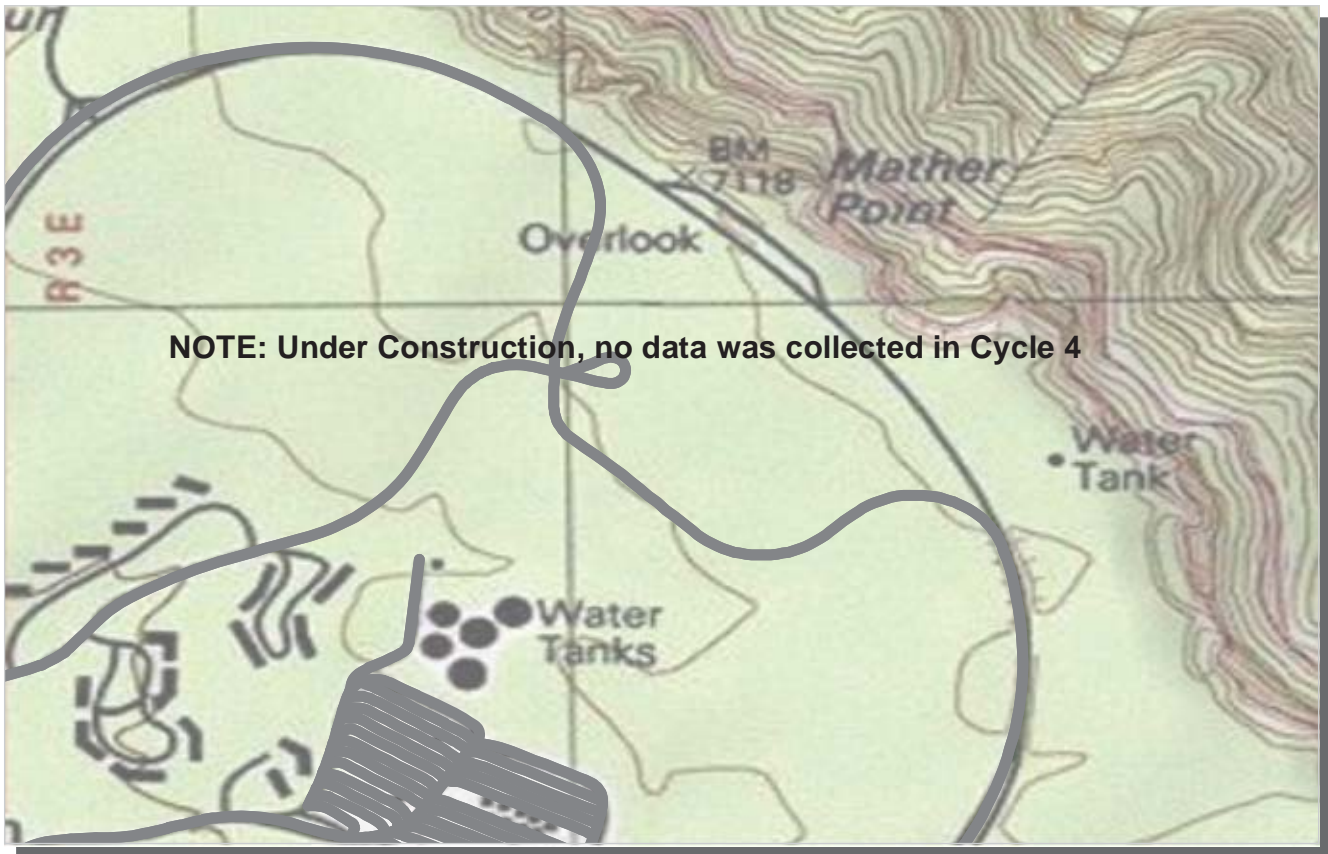
ROUTE: 0446 WEST SHUTTLE ACCESS ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.82 Miles

INTERMOUNTAIN REGION

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.82				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	3				
Paved Width (ft)	28				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	94				
PCR (Pavement Condition Rating)	94				
<i>Distress Index Values</i>					
Alligator Cracking Index	99				
Longitudinal Cracking Index	98				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	98				
Roughness Condition Index (RCI)	95				

ROUTE: 0446 WEST SHUTTLE ACCESS ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

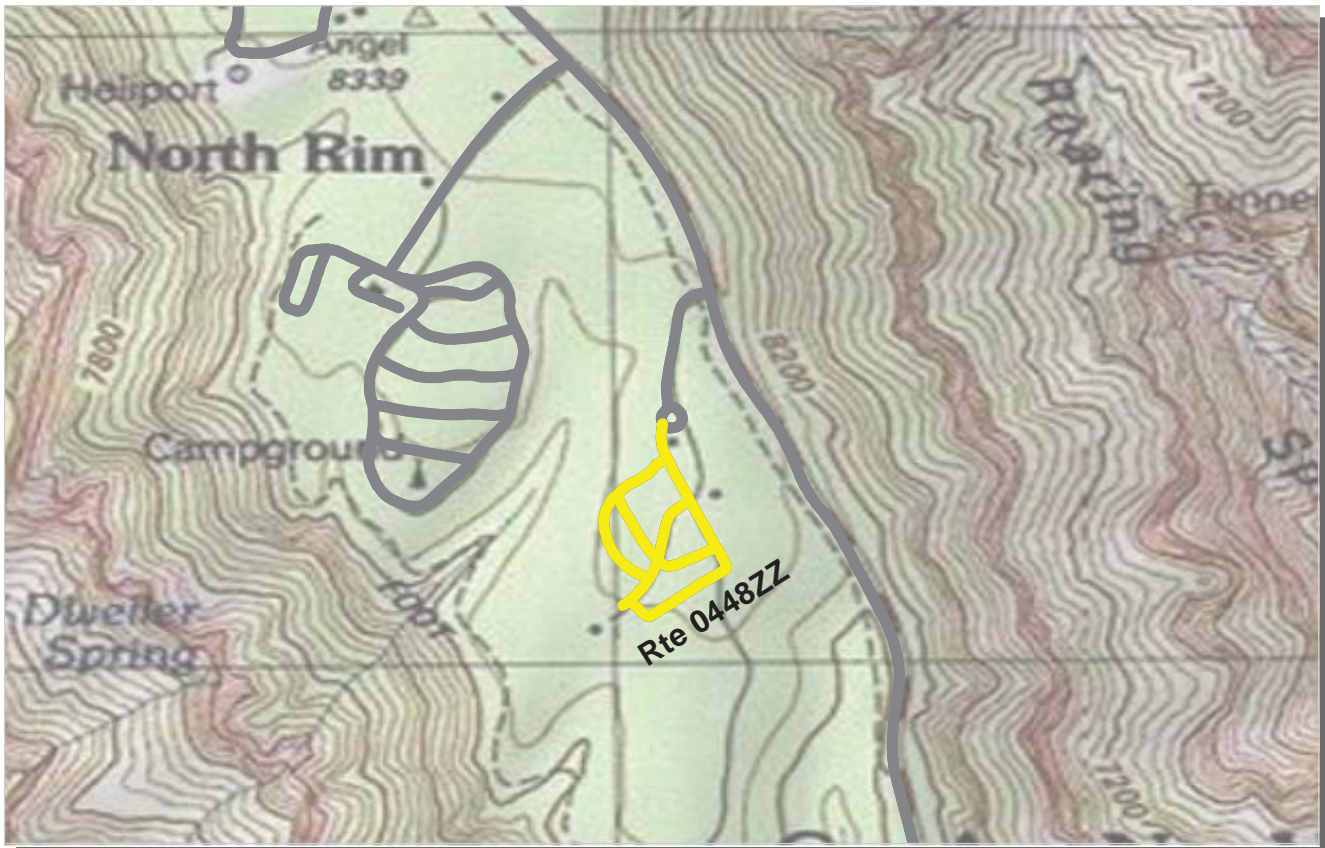
ROUTE: 0447 EAST SHUTTLE ACCESS ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 7/10/2009
TOTAL LENGTH: 0.24 Miles

INTERMOUNTAIN REGION

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.24				
<i>Traffic</i>					
AADT					
SADT					
ADT Date					
<i>Cross Section Information</i>					
Number of Lanes	0				
Paved Width (ft)	0				
Lane Width (ft)	0				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	0				
PCR (Pavement Condition Rating)	0				
<i>Distress Index Values</i>					
Alligator Cracking Index	0				
Longitudinal Cracking Index	0				
Transverse Cracking Index	0				
Patching Index	0				
Rutting Index	0				
Roughness Condition Index (RCI)	0				

ROUTE: 0447 EAST SHUTTLE ACCESS ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0448ZZ CONCESSIONAIRE ROADS
GRCA : GRAND CANYON NATIONAL PARK

Summary Record **COLLECTED: 10/4/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 0.76 Miles**

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	61				
PCR (Pavement Condition Rating)	60				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0448ZZ CONCESSIONAIRE ROADS



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

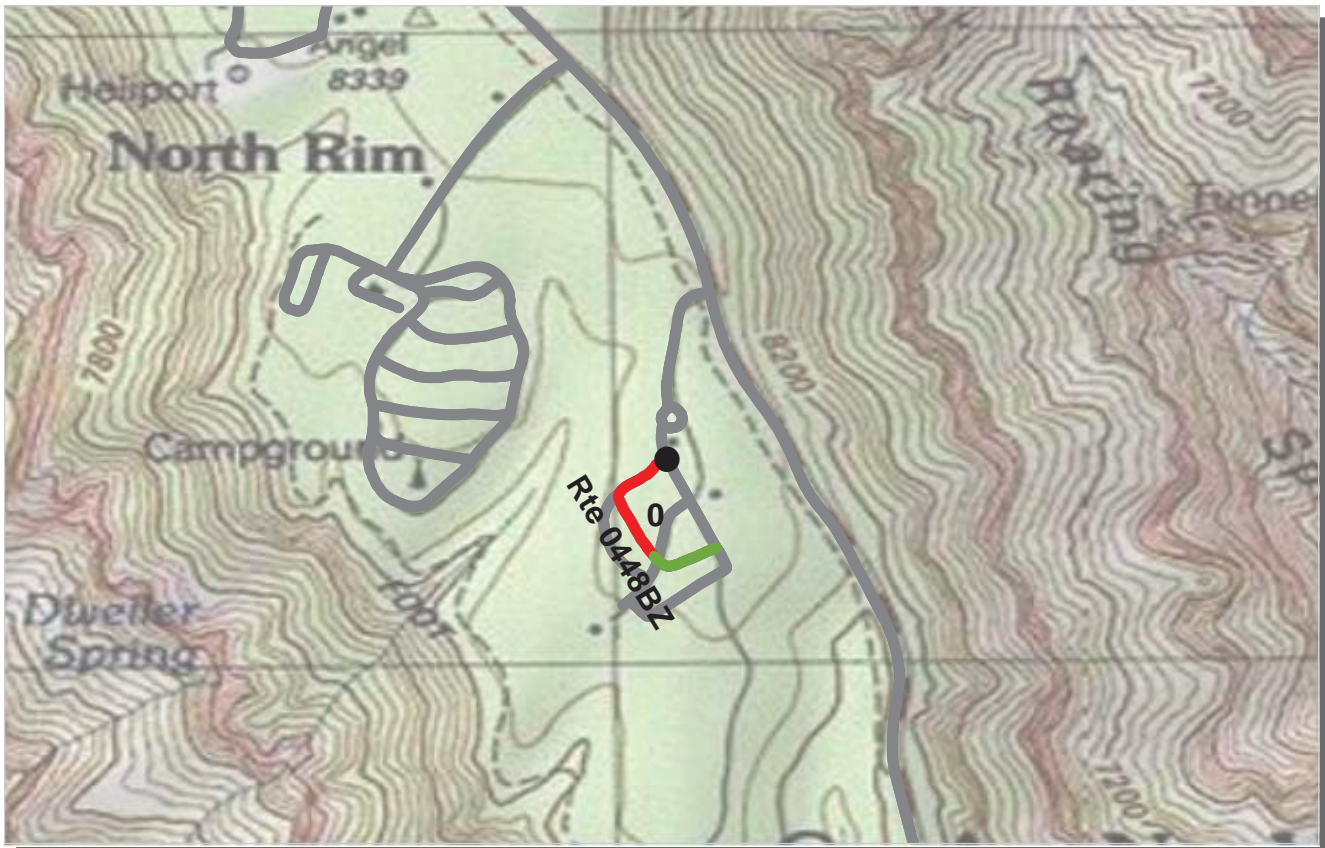
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

ROUTE: 0448AZ EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/4/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 0.20 Miles**

Section Number	0				
Section Length (mi)	0.20				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	42				
PCR (Pavement Condition Rating)	42				
Distress Index Values					
Alligator Cracking Index	96				
Longitudinal Cracking Index	92				
Transverse Cracking Index	96				
Patching Index	94				
Rutting Index	65				
Roughness Condition Index (RCI)	NC				

ROUTE: 0448AZ EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0448BZ CONCESSIONAIRE RESIDENCE ROAD
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

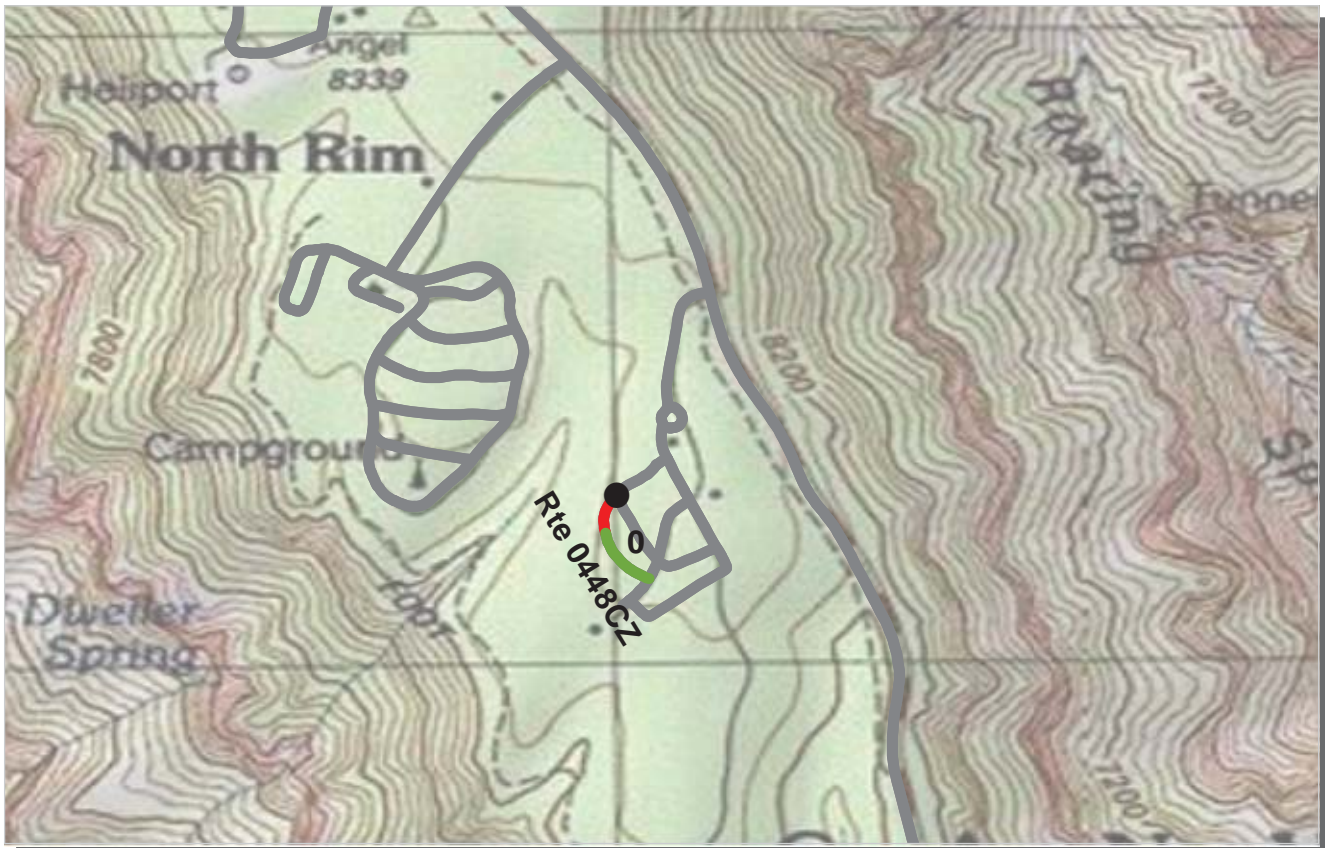
COLLECTED: 10/4/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.17 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.17				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	55				
PCR (Pavement Condition Rating)	55				
<i>Distress Index Values</i>					
Alligator Cracking Index	100				
Longitudinal Cracking Index	97				
Transverse Cracking Index	98				
Patching Index	98				
Rutting Index	61				
Roughness Condition Index (RCI)	NC				

ROUTE: 0448BZ CONCESSIONAIRE RESIDENCE ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■

(<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0448CZ RV CONCESSIONAIRE RESIDENCE ROAD
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

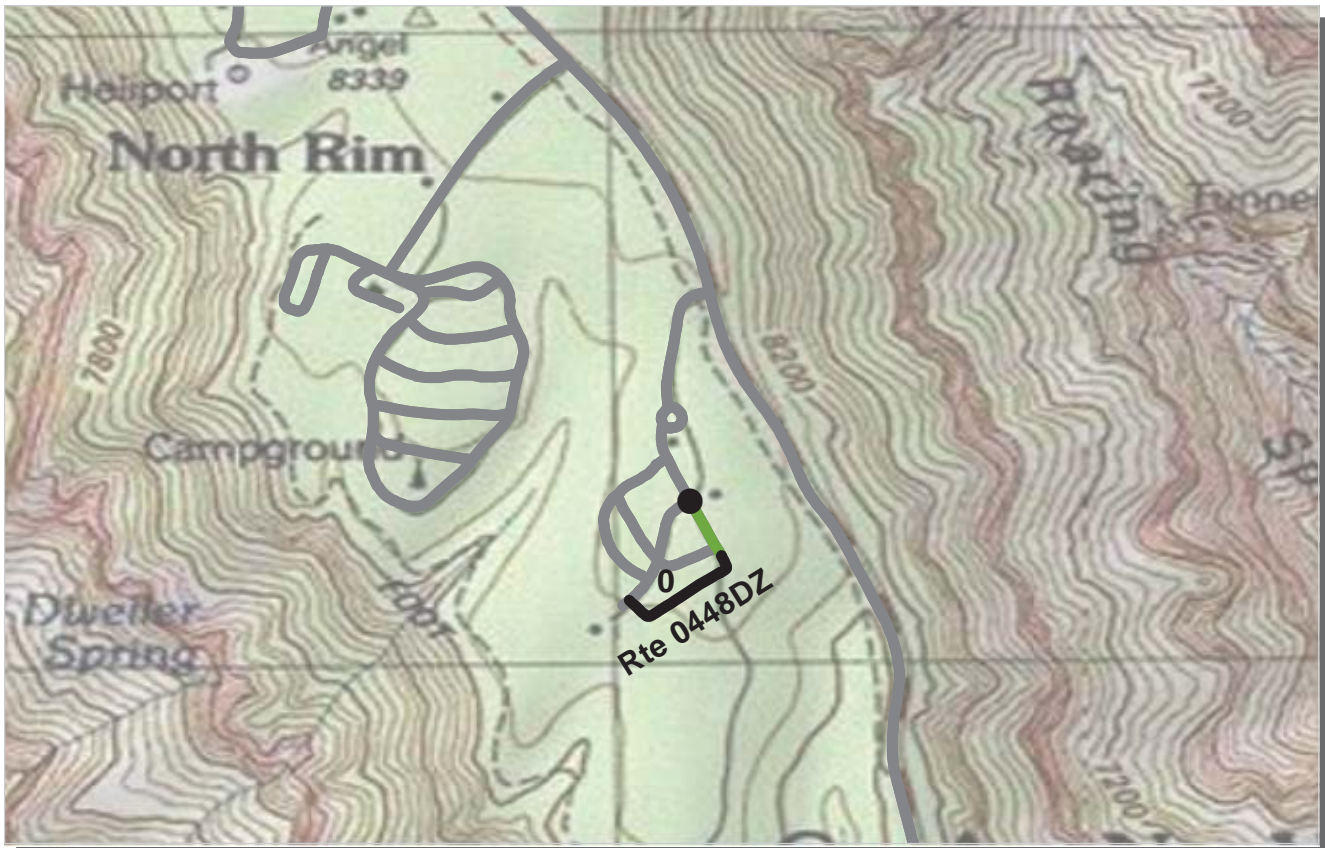
COLLECTED: 10/4/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.10 Miles

Section Number	0				
Section Length (mi)	0.10				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	79				
PCR (Pavement Condition Rating)	74				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	79				
Roughness Condition Index (RCI)	30				

ROUTE: 0448CZ RV CONCESSIONAIRE RESIDENCE ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0448DZ DORM ACCESS ROAD
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

COLLECTED: 10/4/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.17 Miles

Section Number	0				
Section Length (mi)	0.17				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	92				
PCR (Pavement Condition Rating)	92				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	99				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	94				
Roughness Condition Index (RCI)	NC				

ROUTE: 0448DZ DORM ACCESS ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0449 NORTH RIM RESIDENCE LOOP
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/4/2009
TOTAL LENGTH: 0.24 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.24				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	15				
Lane Width (ft)	8				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	78				
PCR (Pavement Condition Rating)	78				
Distress Index Values					
Alligator Cracking Index	99				
Longitudinal Cracking Index	96				
Transverse Cracking Index	96				
Patching Index	100				
Rutting Index	86				
Roughness Condition Index (RCI)	NC				

ROUTE: 0449 NORTH RIM RESIDENCE LOOP



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

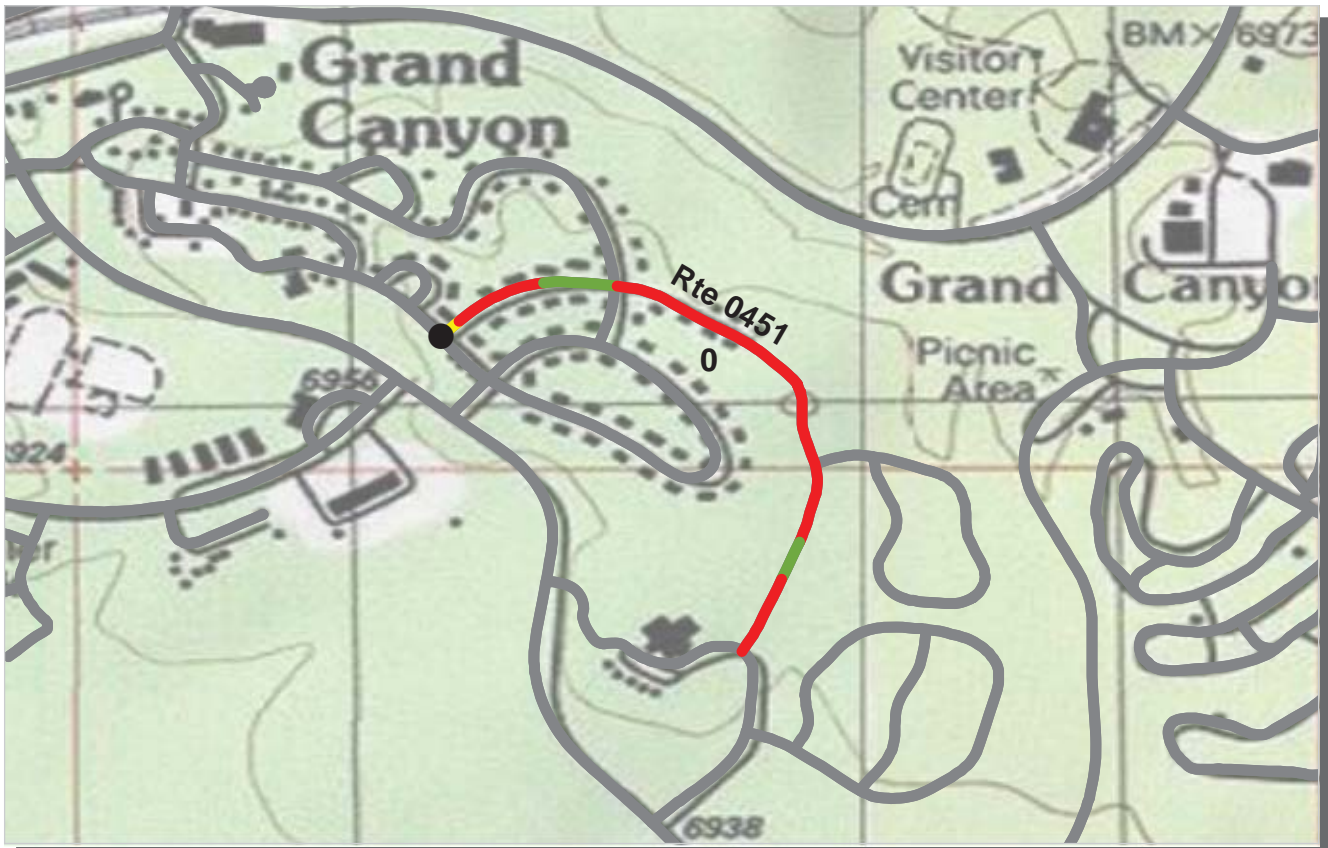
ROUTE: 0450 WASTEWATER PLANT / HELIPAD ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/4/2009
TOTAL LENGTH: 0.35 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.35				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	43				
PCR (Pavement Condition Rating)	44				
Distress Index Values					
Alligator Cracking Index	80				
Longitudinal Cracking Index	93				
Transverse Cracking Index	96				
Patching Index	99				
Rutting Index	74				
Roughness Condition Index (RCI)	62				

ROUTE: 0450 WASTEWATER PLANT / HELIPAD ROAD



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

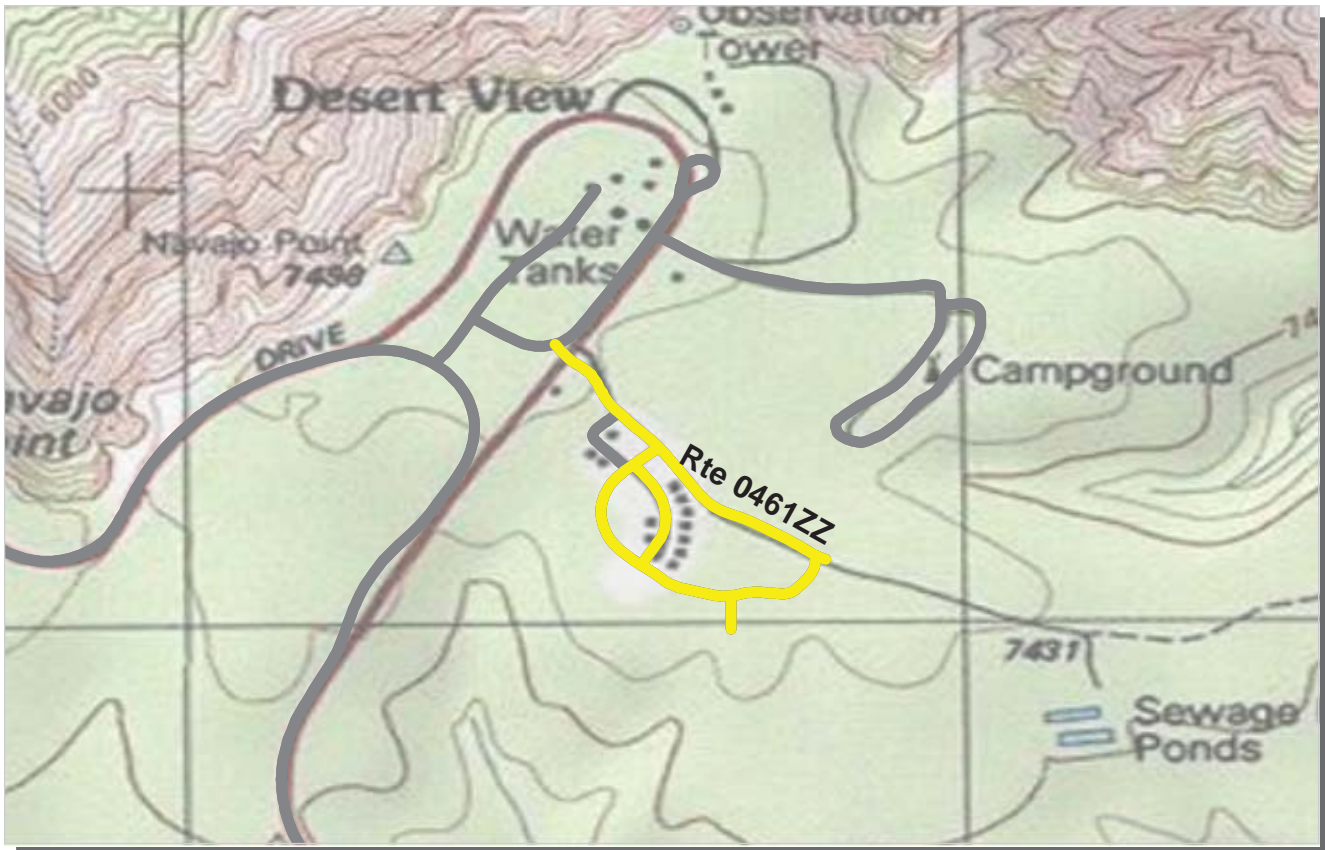
ROUTE: 0451 HAVASUPAI ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.61 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.61				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	42				
PCR (Pavement Condition Rating)	38				
Distress Index Values					
Alligator Cracking Index	71				
Longitudinal Cracking Index	97				
Transverse Cracking Index	97				
Patching Index	99				
Rutting Index	76				
Roughness Condition Index (RCI)	36				

ROUTE: 0451 HAVASUPAI ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

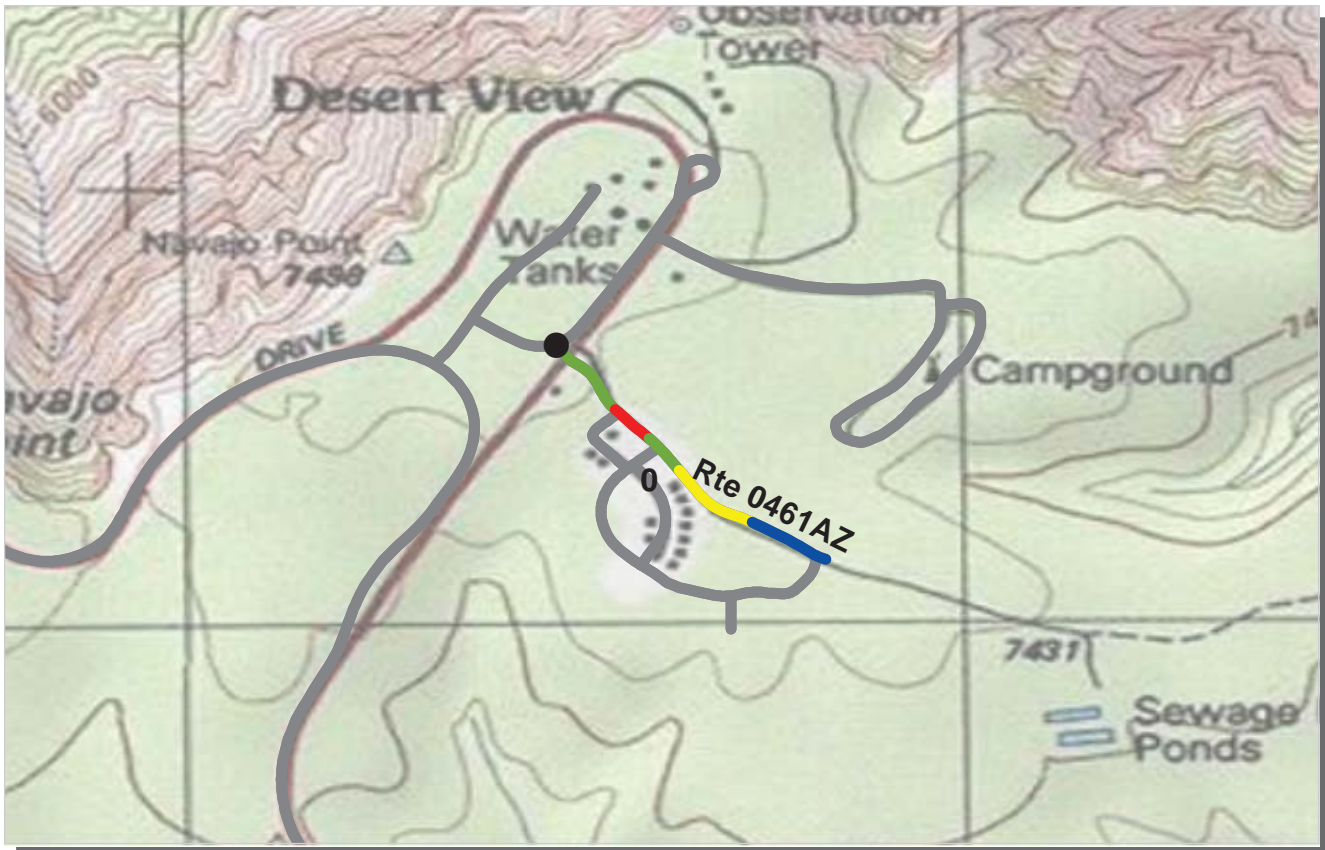
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

ROUTE: 0461ZZ EAST ENTRANCE RESIDENCE ROADS
GRCA : GRAND CANYON NATIONAL PARK

Summary Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 0.82 Miles**

Section Number					
Section Length (mi)					
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	75				
PCR (Pavement Condition Rating)	71				
Distress Index Values					
Alligator Cracking Index	N/A				
Longitudinal Cracking Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

ROUTE: 0461ZZ EAST ENTRANCE RESIDENCE ROADS



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0461AZ CEDAR MOUNTAIN ROAD
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

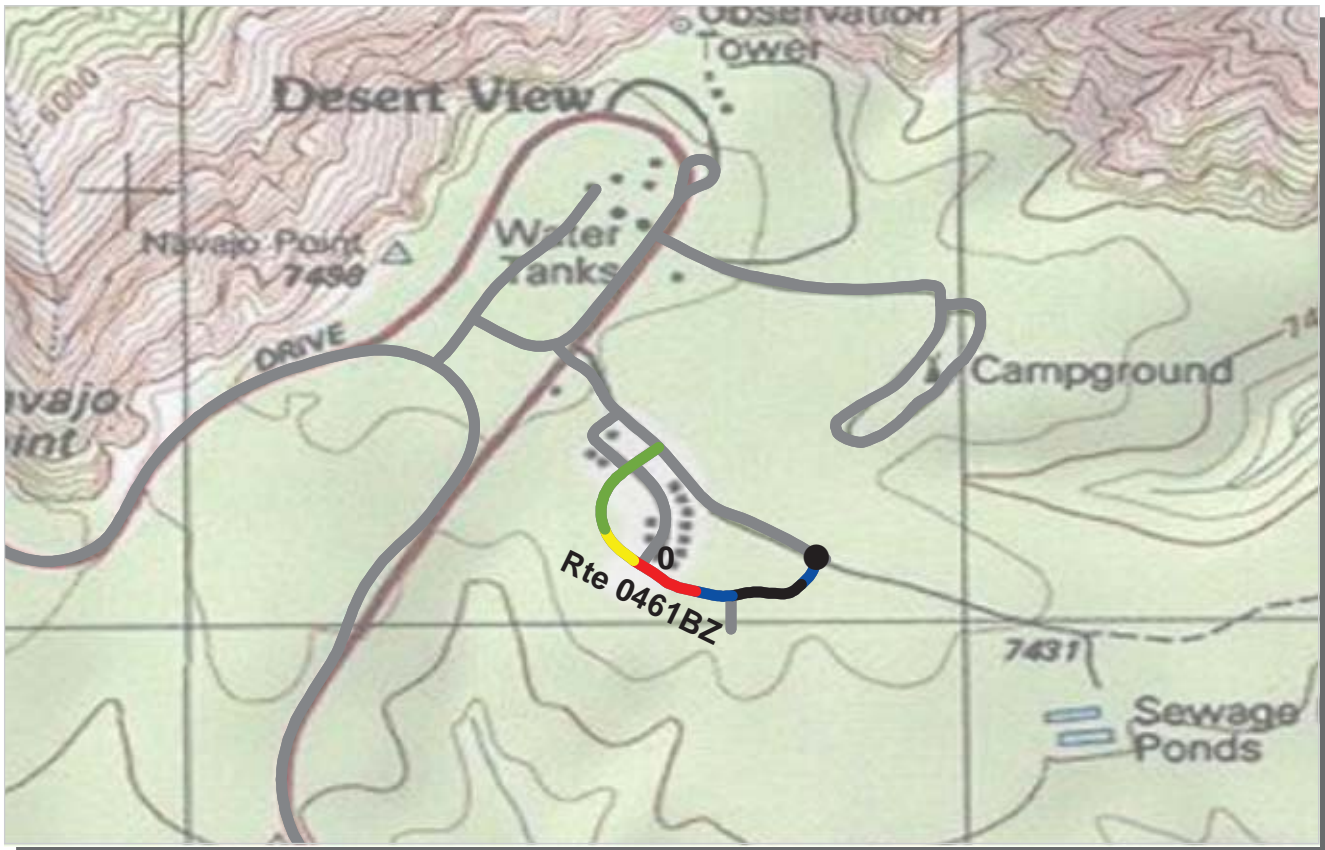
COLLECTED: 10/8/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.31 Miles

Section Number	0				
Section Length (mi)	0.31				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	85				
PCR (Pavement Condition Rating)	78				
Distress Index Values					
Alligator Cracking Index	92				
Longitudinal Cracking Index	98				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	94				
Roughness Condition Index (RCI)	52				

ROUTE: 0461AZ CEDAR MOUNTAIN ROAD



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

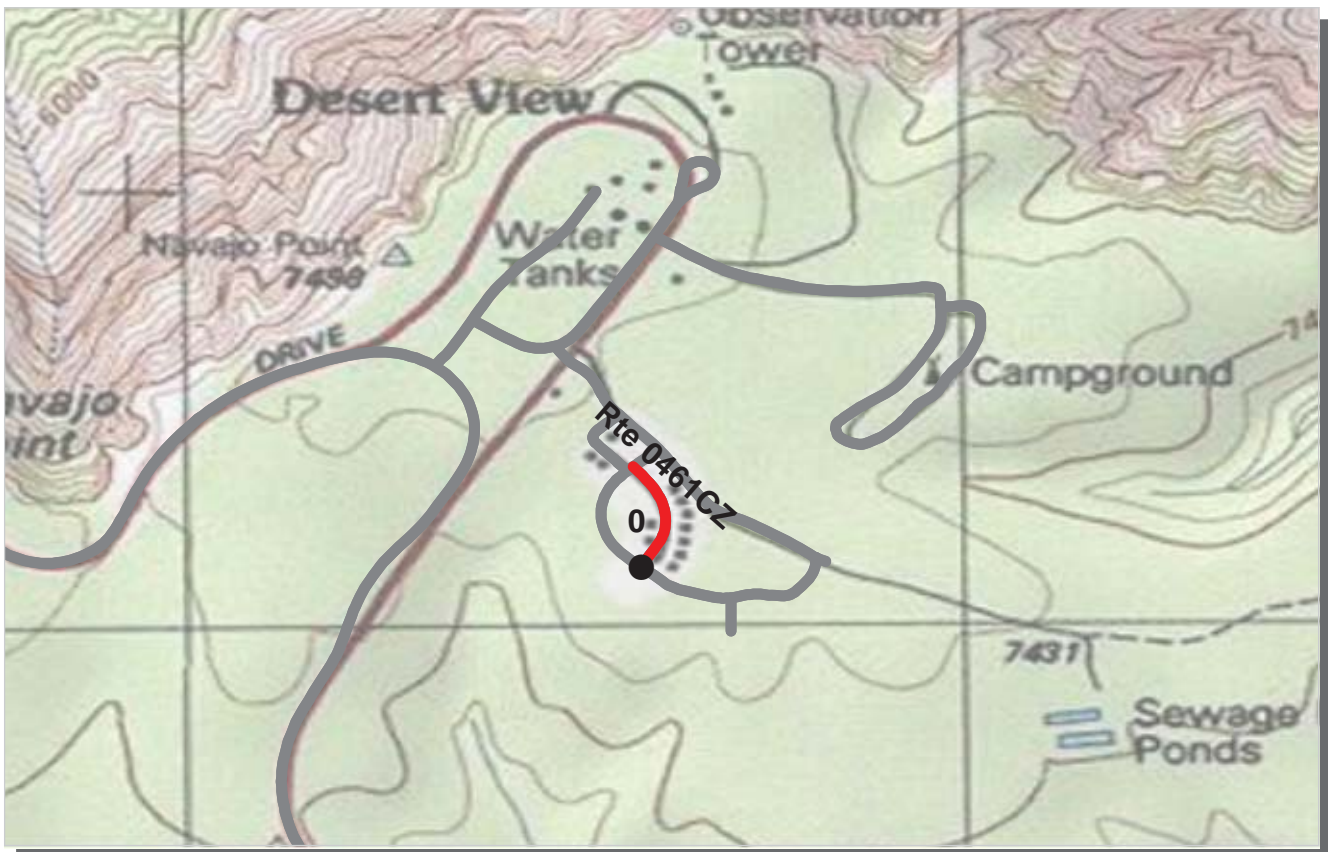
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

ROUTE: 0461BZ COLTER LANE
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 0.32 Miles**

Section Number	0				
Section Length (mi)	0.32				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	82				
PCR (Pavement Condition Rating)	81				
Distress Index Values					
Alligator Cracking Index	91				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	99				
Rutting Index	90				
Roughness Condition Index (RCI)	81				

ROUTE: 0461BZ COLTER LANE



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0461CZ NANKOWEAR ROAD
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record

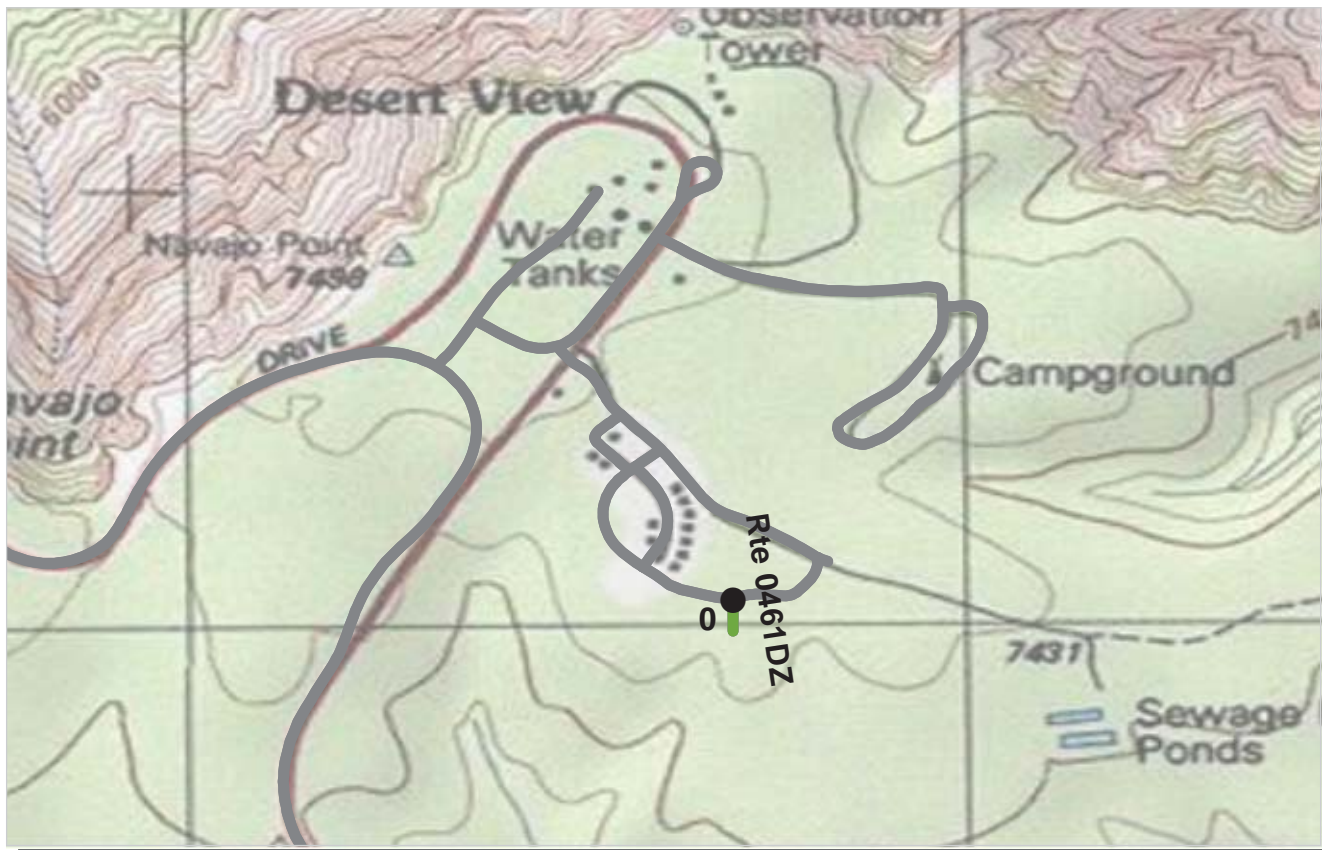
COLLECTED: 10/8/2009

INTERMOUNTAIN REGION

TOTAL LENGTH: 0.11 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.11				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	16				
PCR (Pavement Condition Rating)	16				
<i>Distress Index Values</i>					
Alligator Cracking Index	58				
Longitudinal Cracking Index	98				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	51				
Roughness Condition Index (RCI)	NC				

ROUTE: 0461CZ NANKOWEAR ROAD



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

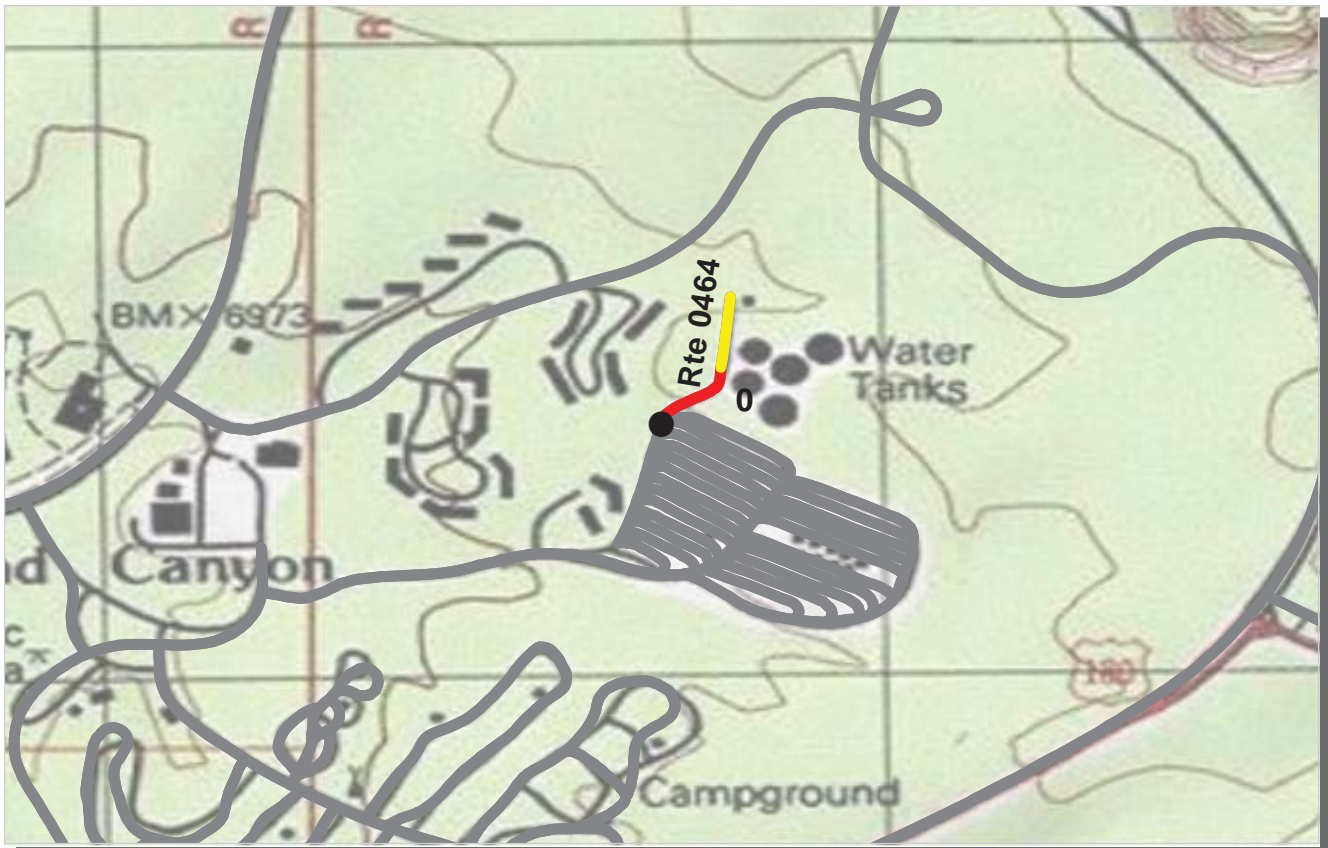
ROUTE: 0461DZ CARDENAS COURT
GRCA : GRAND CANYON NATIONAL PARK

Subcomponent Record **COLLECTED: 10/8/2009**
INTERMOUNTAIN REGION **TOTAL LENGTH: 0.03 Miles**

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.03				
<i>Traffic</i>	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
<i>Cross Section Information</i>					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	94				
PCR (Pavement Condition Rating)	94				
<i>Distress Index Values</i>					
Alligator Cracking Index	100				
Longitudinal Cracking Index	95				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	99				
Roughness Condition Index (RCI)	NC				

ROUTE: 0461DZ CARDENAS COURT

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

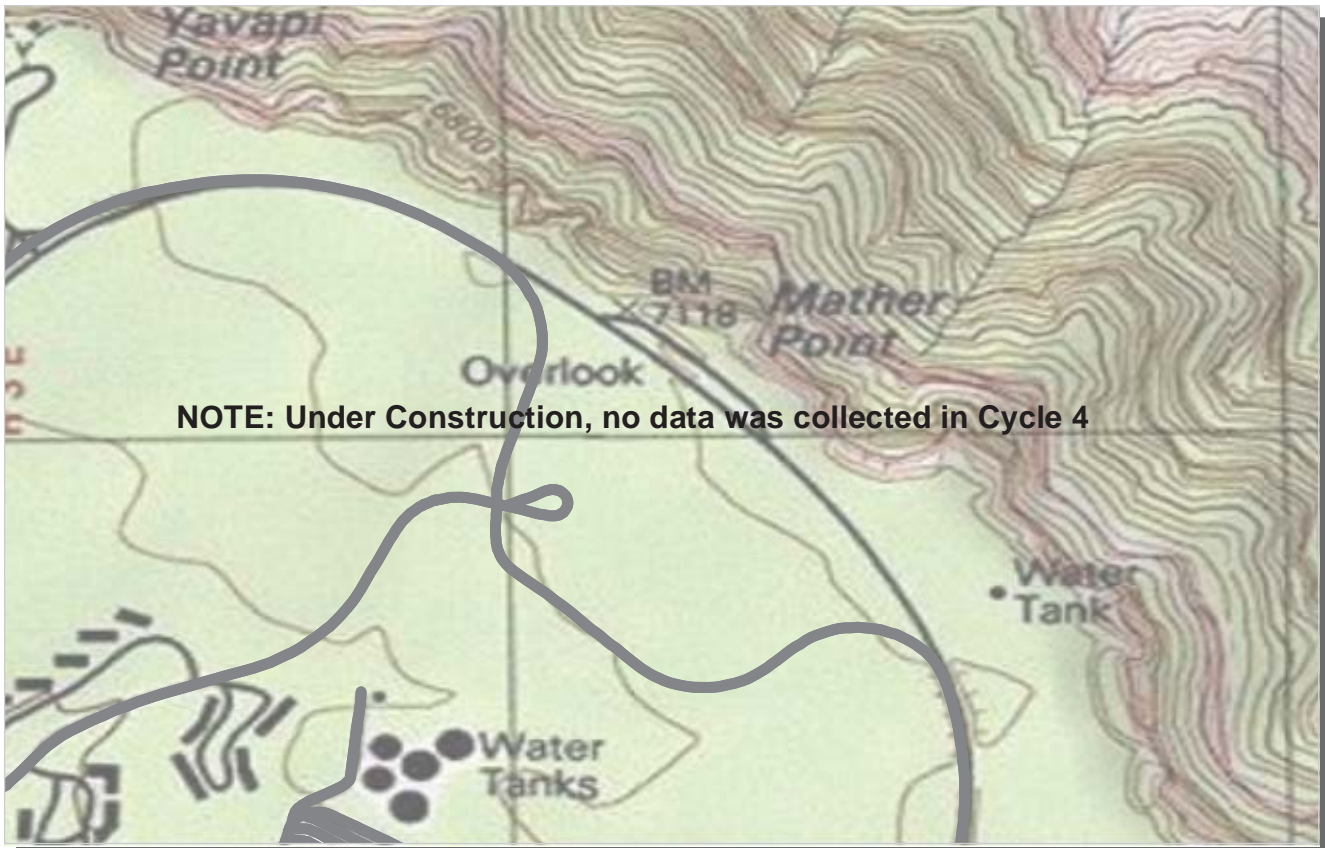
ROUTE: 0464 TANK C PUMPHOUSE ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.15 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.15				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	66				
PCR (Pavement Condition Rating)	63				
Distress Index Values					
Alligator Cracking Index	84				
Longitudinal Cracking Index	97				
Transverse Cracking Index	100				
Patching Index	99				
Rutting Index	87				
Roughness Condition Index (RCI)	41				

ROUTE: 0464 TANK C PUMPHOUSE ROAD



NOTE: Under Construction, no data was collected in Cycle 4

PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

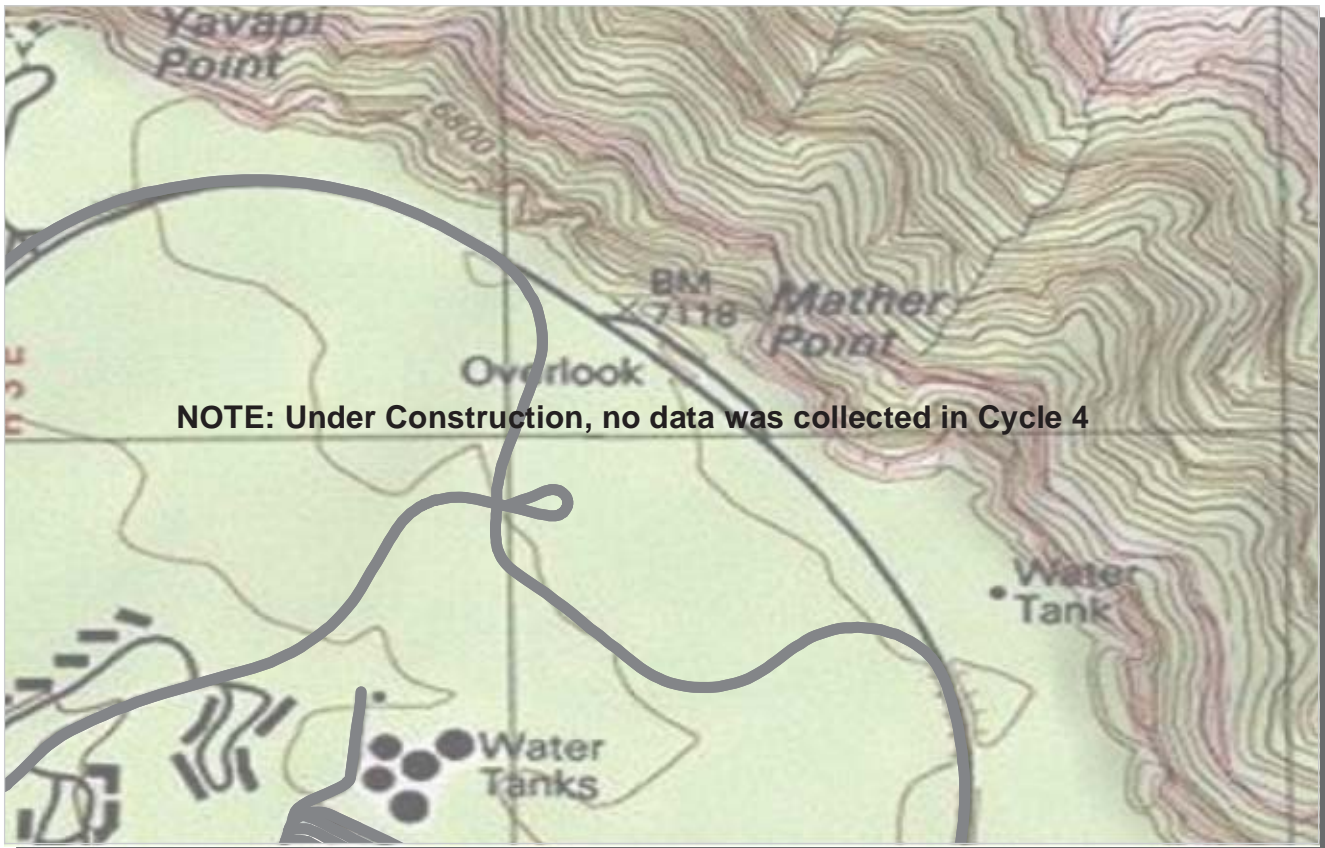
ROUTE: 0485 EMPLOYEE SERVICE ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 7/10/2009
TOTAL LENGTH: 0.46 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.46				
Traffic					
AADT					
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	0				
Paved Width (ft)	0				
Lane Width (ft)	0				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	0				
PCR (Pavement Condition Rating)	0				
Distress Index Values					
Alligator Cracking Index	0				
Longitudinal Cracking Index	0				
Transverse Cracking Index	0				
Patching Index	0				
Rutting Index	0				
Roughness Condition Index (RCI)	0				

ROUTE: 0485 EMPLOYEE SERVICE ROAD



NOTE: Under Construction, no data was collected in Cycle 4

PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

ROUTE: 0487 EMPLOYEE ACCESS ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 7/10/2009
TOTAL LENGTH: 0.06 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.06				
Traffic					
AADT					
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	0				
Paved Width (ft)	0				
Lane Width (ft)	0				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	0				
PCR (Pavement Condition Rating)	0				
Distress Index Values					
Alligator Cracking Index	0				
Longitudinal Cracking Index	0				
Transverse Cracking Index	0				
Patching Index	0				
Rutting Index	0				
Roughness Condition Index (RCI)	0				

ROUTE: 0487 EMPLOYEE ACCESS ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0488 FIRE STATION ACCESS ROAD
GRCA : GRAND CANYON NATIONAL PARK

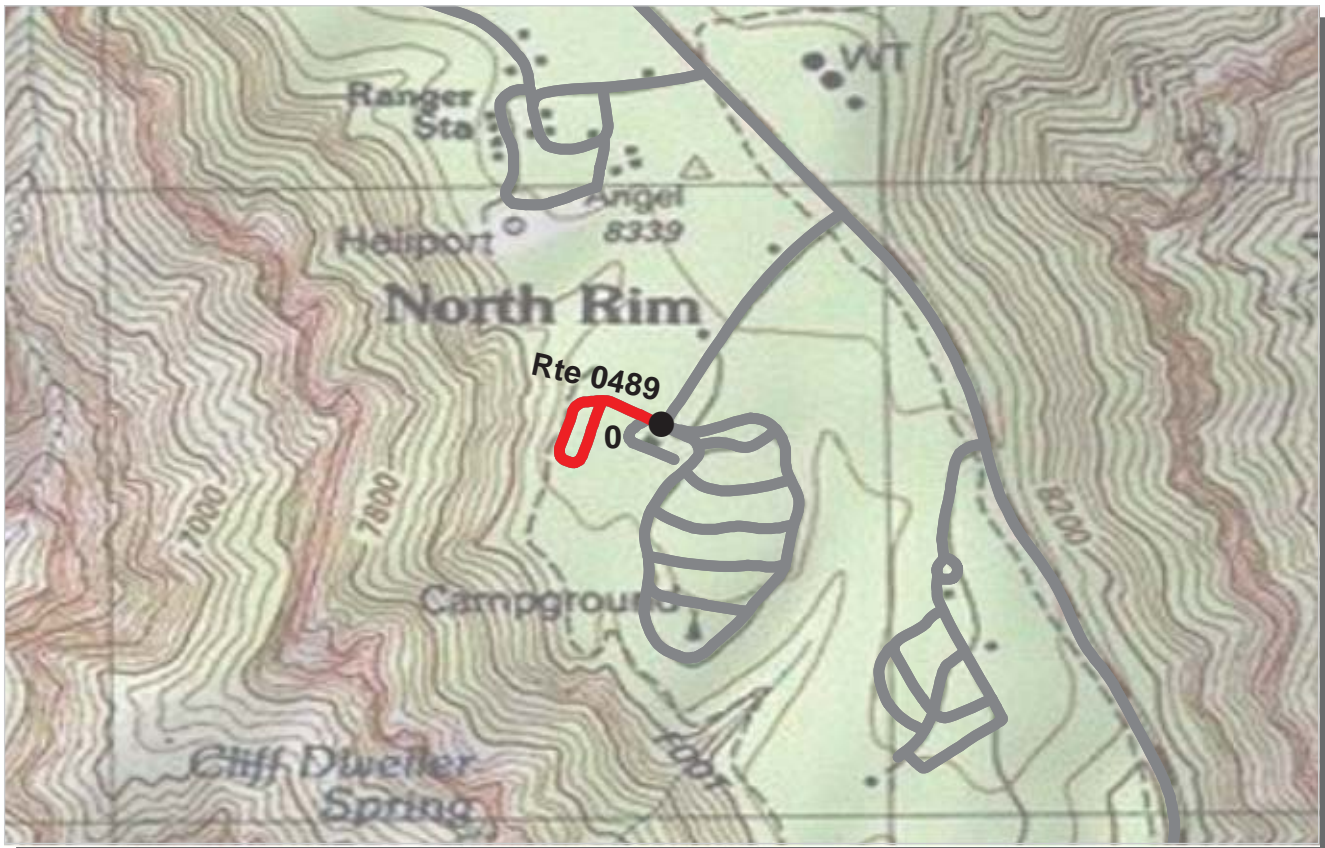
COLLECTED: 10/6/2009
TOTAL LENGTH: 0.05 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.05				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	33				
Lane Width (ft)	17				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	94				
PCR (Pavement Condition Rating)	94				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	94				
Roughness Condition Index (RCI)	NC				

ROUTE: 0488 FIRE STATION ACCESS ROAD

NC - Not Collected



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0489 INN CABIN LOOP
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/4/2009
TOTAL LENGTH: 0.20 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.20				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	12				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	9				
PCR (Pavement Condition Rating)	9				
Distress Index Values					
Alligator Cracking Index	76				
Longitudinal Cracking Index	90				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	35				
Roughness Condition Index (RCI)	NC				

ROUTE: 0489 INN CABIN LOOP



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

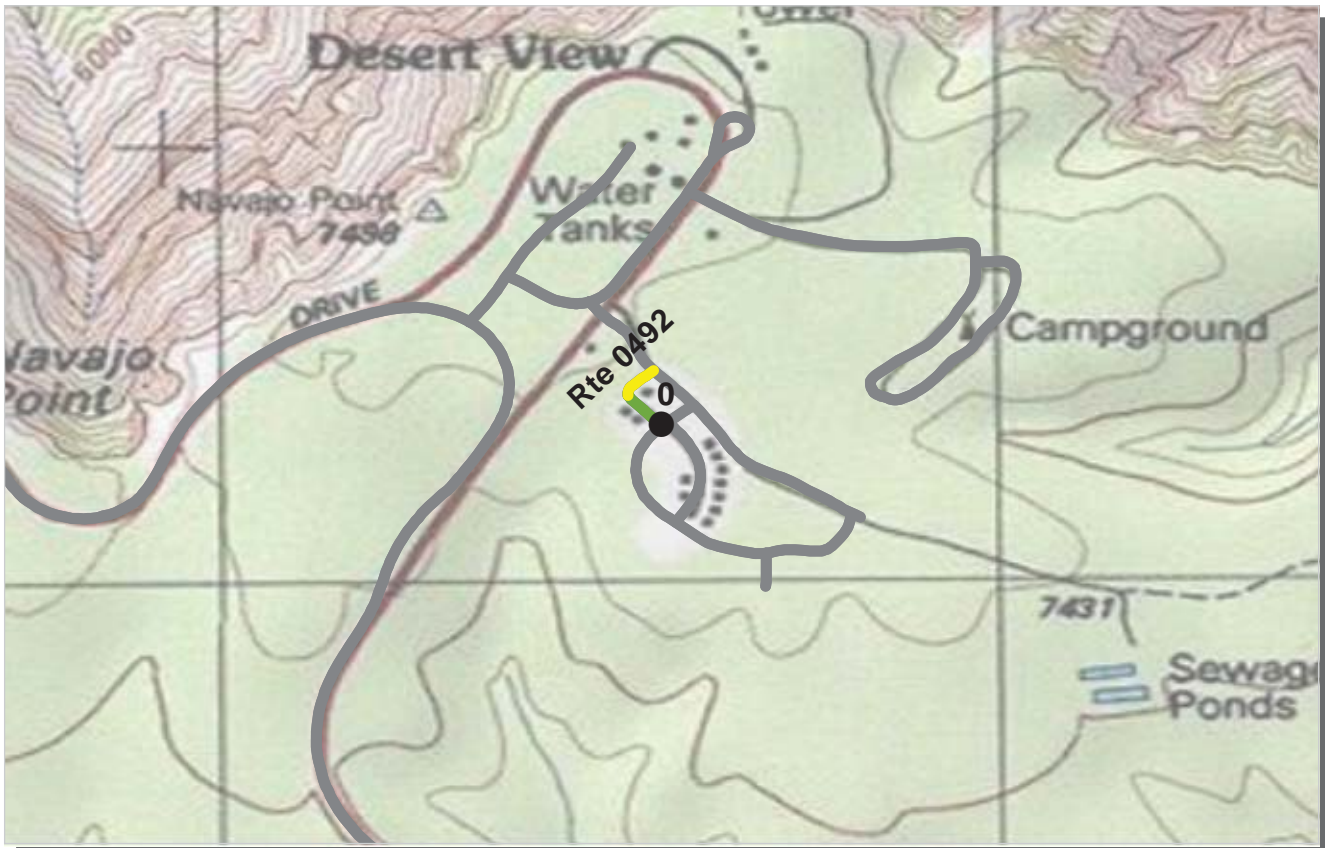
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

ROUTE: 0490 CAMPGROUND STORE / CONCESSION ACCESS ROAD
GRCA : GRAND CANYON NATIONAL PARK

INTERMOUNTAIN REGION **COLLECTED: 10/4/2009**
TOTAL LENGTH: 0.07 Miles

Section Number	0				
Section Length (mi)	0.07				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	34				
PCR (Pavement Condition Rating)	34				
Distress Index Values					
Alligator Cracking Index	80				
Longitudinal Cracking Index	96				
Transverse Cracking Index	98				
Patching Index	100				
Rutting Index	60				
Roughness Condition Index (RCI)	NC				

ROUTE: 0490 CAMPGROUND STORE / CONCESSION ACCESS ROAD



PCR	Poor	Fair	Good	Excellent	No Data
	(≤60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

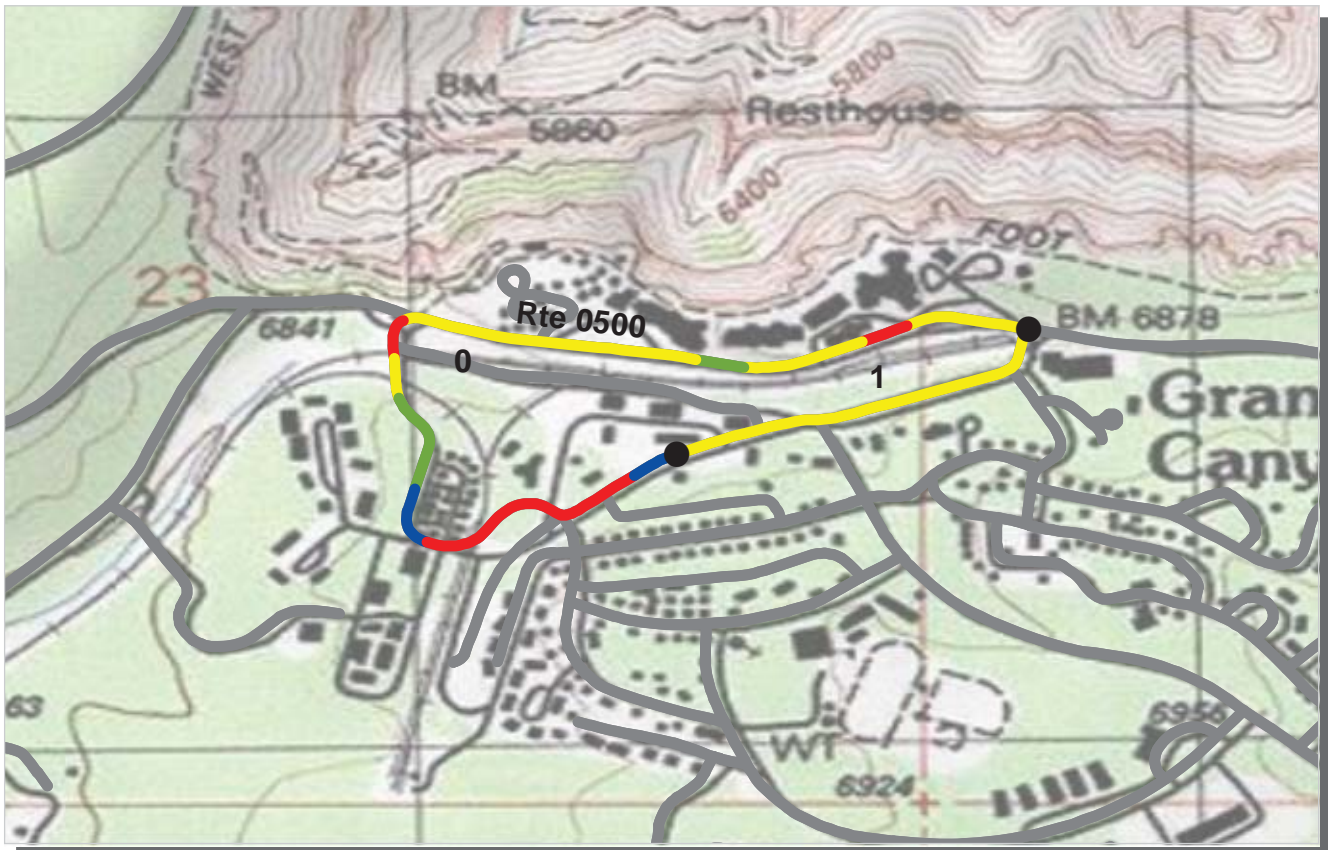
ROUTE: 0492 DESERT VIEW MAINTENANCE / RANGER STATION ROAD
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/8/2009
TOTAL LENGTH: 0.07 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.07				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	82				
PCR (Pavement Condition Rating)	82				
Distress Index Values					
Alligator Cracking Index	95				
Longitudinal Cracking Index	99				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	89				
Roughness Condition Index (RCI)	NC				

ROUTE: 0492 DESERT VIEW MAINTENANCE / RANGER STATION ROAD



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

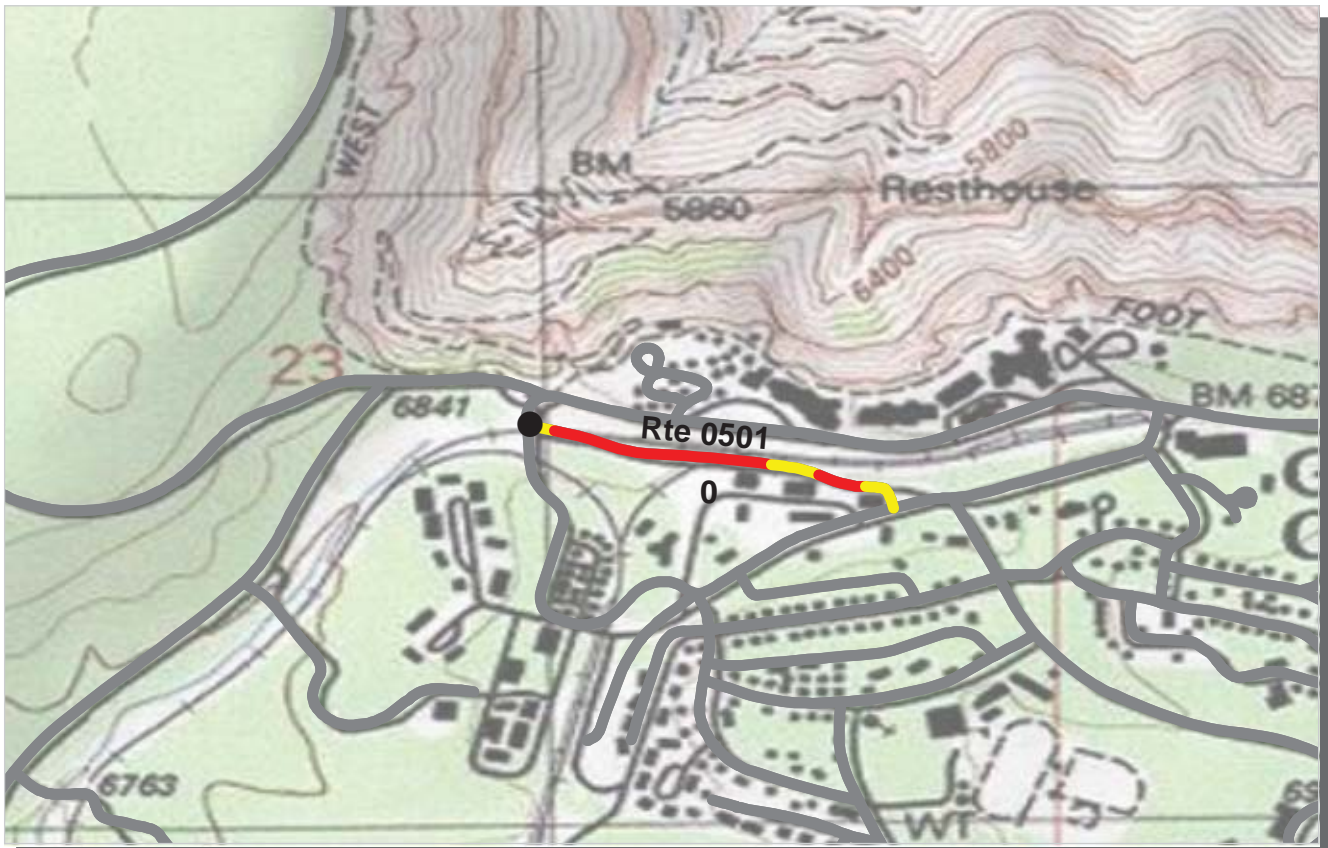
ROUTE: 0500 VILLAGE LOOP DRIVE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 1.32 Miles

INTERMOUNTAIN REGION

Section Number	0	1			
Section Length (mi)	1.00	0.32			
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1	2			
Paved Width (ft)	29	33			
Lane Width (ft)	24	14			
Shoulder Width Right (ft)	NC	NC			
Shoulder Width Left (ft)	NC	NC			
Roadway Condition Information					
SCR (Surface Condition Rating)	74	85			
PCR (Pavement Condition Rating)	69	77			
Distress Index Values					
Alligator Cracking Index	86	98			
Longitudinal Cracking Index	99	98			
Transverse Cracking Index	98	99			
Patching Index	100	100			
Rutting Index	91	90			
Roughness Condition Index (RCI)	60	64			

ROUTE: 0500 VILLAGE LOOP DRIVE



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

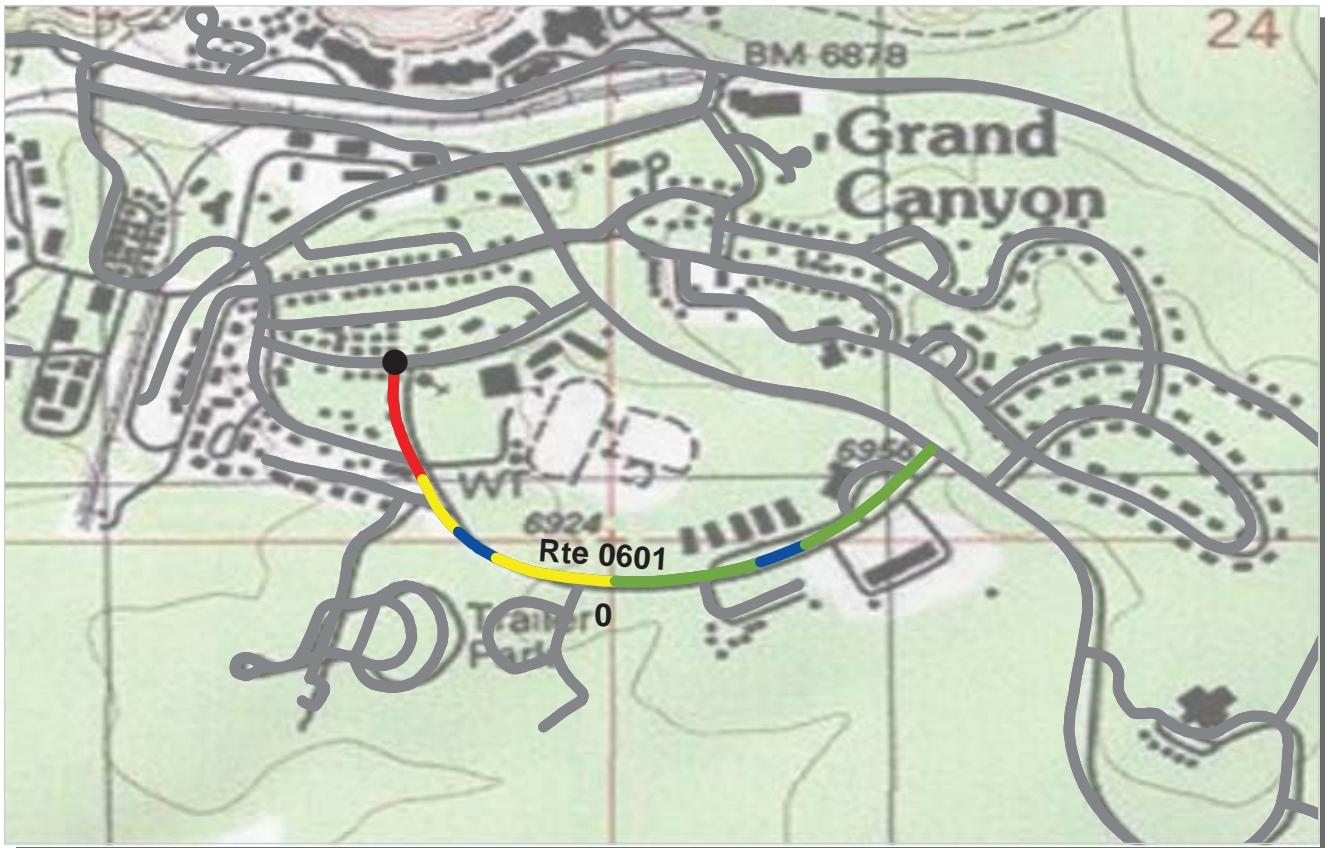
ROUTE: 0501 VILLAGE LOOP BYPASS
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.31 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.31				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	46				
PCR (Pavement Condition Rating)	48				
Distress Index Values					
Alligator Cracking Index	64				
Longitudinal Cracking Index	97				
Transverse Cracking Index	96				
Patching Index	100				
Rutting Index	89				
Roughness Condition Index (RCI)	36				

ROUTE: 0501 VILLAGE LOOP BYPASS



PCR Poor ■ Fair ■ Good ■ Excellent ■ No Data ■
 (<=60) (61 - 84) (85 - 94) (95 - 100)

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

ROUTE: 0601 ALBRIGHT AVENUE
GRCA : GRAND CANYON NATIONAL PARK

COLLECTED: 10/6/2009
TOTAL LENGTH: 0.62 Miles

INTERMOUNTAIN REGION

Section Number	0				
Section Length (mi)	0.62				
Traffic	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	82				
PCR (Pavement Condition Rating)	78				
Distress Index Values					
Alligator Cracking Index	94				
Longitudinal Cracking Index	99				
Transverse Cracking Index	96				
Patching Index	100				
Rutting Index	93				
Roughness Condition Index (RCI)	74				

ROUTE: 0601 ALBRIGHT AVENUE

Grand Canyon National Park



Section 6

Manually Rated Paved Route Condition Rating Sheets (MRR)

GRAND CANYON NATIONAL PARK

Route 0430

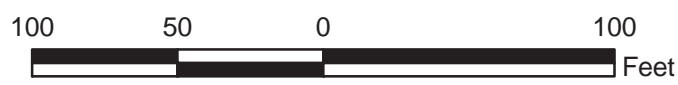
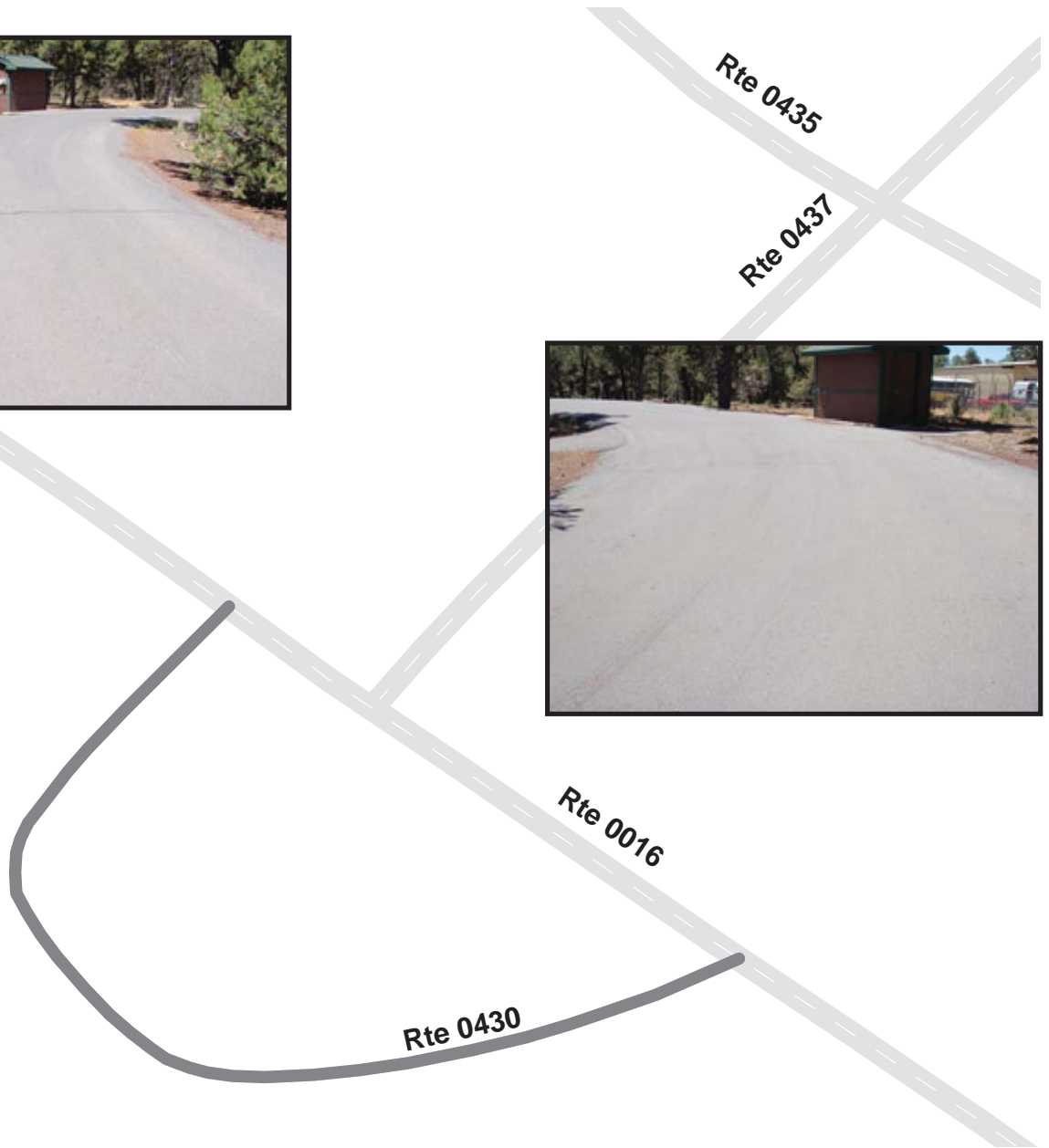
LAPP LOOP

FROM ROUTE 0016 (CENTER ROAD)

TO ROUTE 0016 (CENTER ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0430	PUBLIC	7/8/2009		9,240	0.16	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
2	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



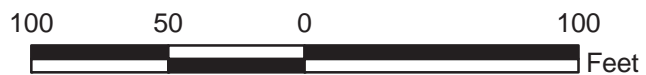
GRAND CANYON NATIONAL PARK

Route 0439

PONDEROSA STREET
 FROM ROUTE 0451 (HAVASUPAI ROAD)
 TO END OF ROUTE

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0439	PUBLIC	7/8/2009		3,485	0.06	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0491

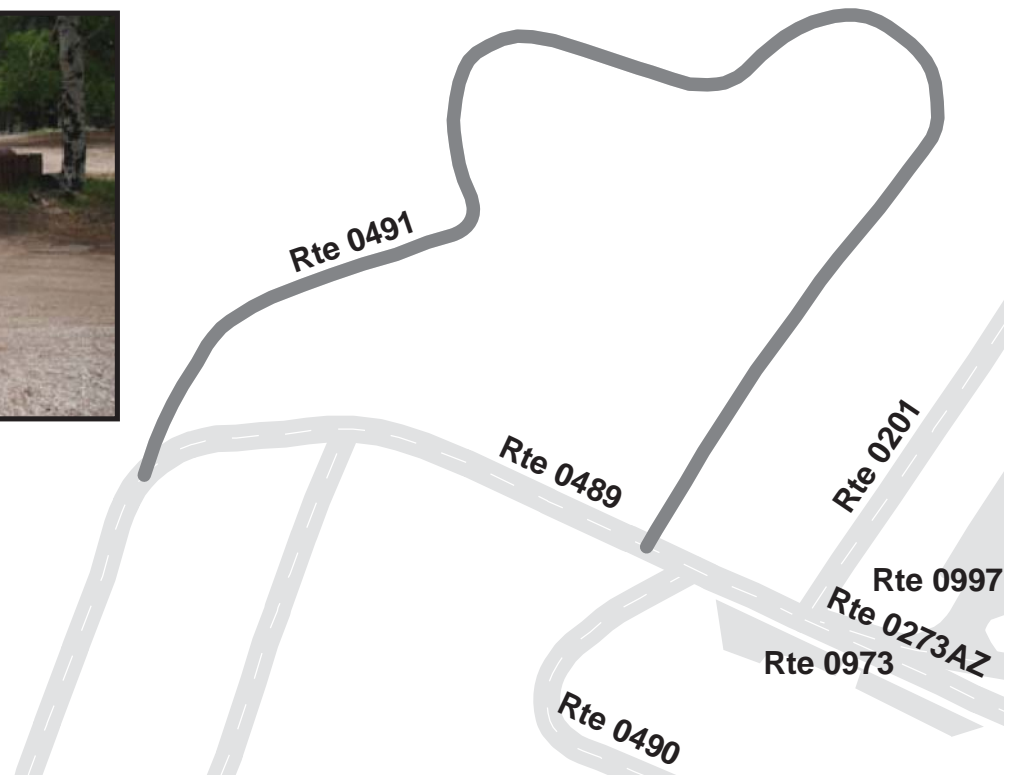
EXPOSED FRAME CABIN RESIDENCE ROAD

FROM ROUTE 0489 (INN CABIN LOOP)

TO ROUTE 0489 (THROUGH CABIN AREA)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0491	PUBLIC	7/10/2009		16,896	0.29	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

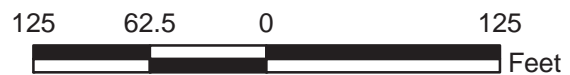
Route 0493

MAGISTRATE EMPLOYEE ROAD

FROM ROUTE 0924 (RANGER OPERATIONS PARKING)
TO END OF LOOP

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0493	PUBLIC	7/8/2009		7,206	0.12	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



Grand Canyon National Park



Section 7 **Parking Area Condition Rating Sheets**

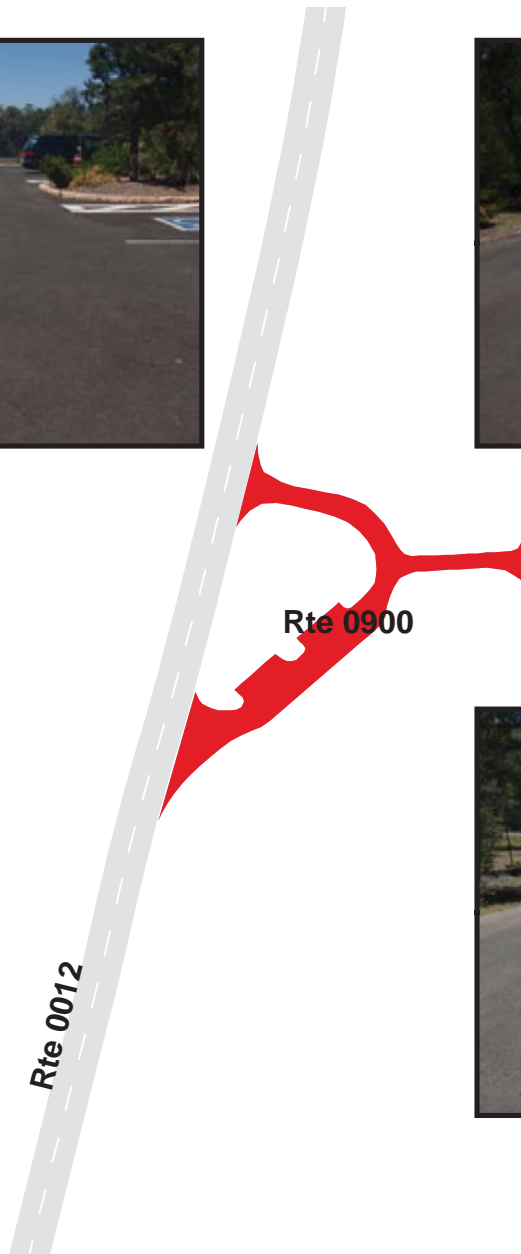
GRAND CANYON NATIONAL PARK

Route 0900

SOUTH ENTRANCE GRAND CANYON PARKING
 FROM ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 0.46
 TO ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 0.52

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0900	PUBLIC	7/7/2009		22,873	0.39	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0901

SOUTH ENTRANCE STATION PARKING
 FROM ROUTE 0012 (SOUTH ENTRANCE ROAD)
 TO ROUTE 0012 (SOUTH ENTRANCE ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0901	PUBLIC	7/8/2009		6,944	0.12	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



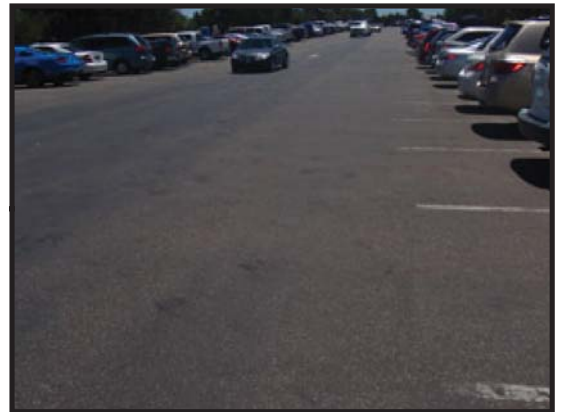
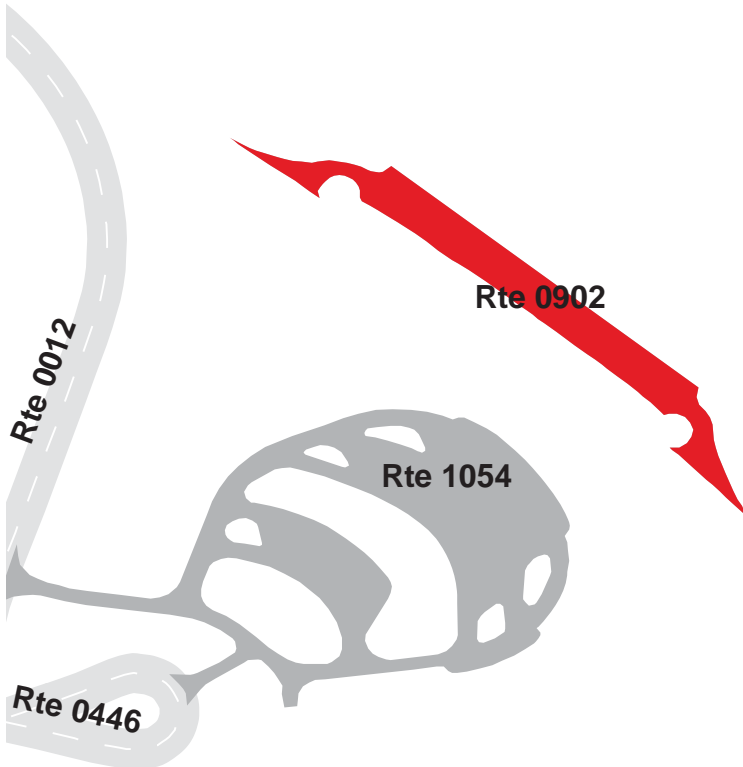
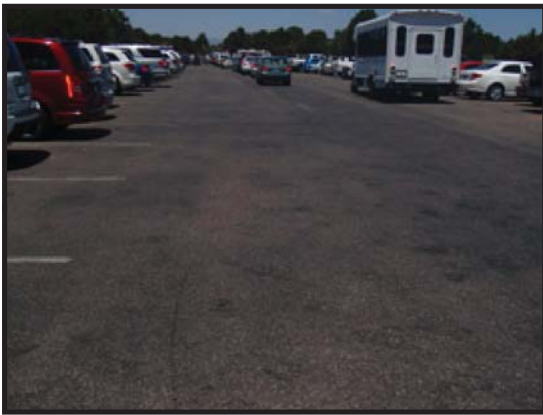
GRAND CANYON NATIONAL PARK

Route 0902

MATHER POINT VISITOR CENTER PARKING
 FROM OLD ROUTE 0012 (UNDER CONSTRUCTION)
 TO OLD ROUTE 0012 (UNDER CONSTRUCTION)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0902	PUBLIC	7/7/2009		52,600	0.91	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0903

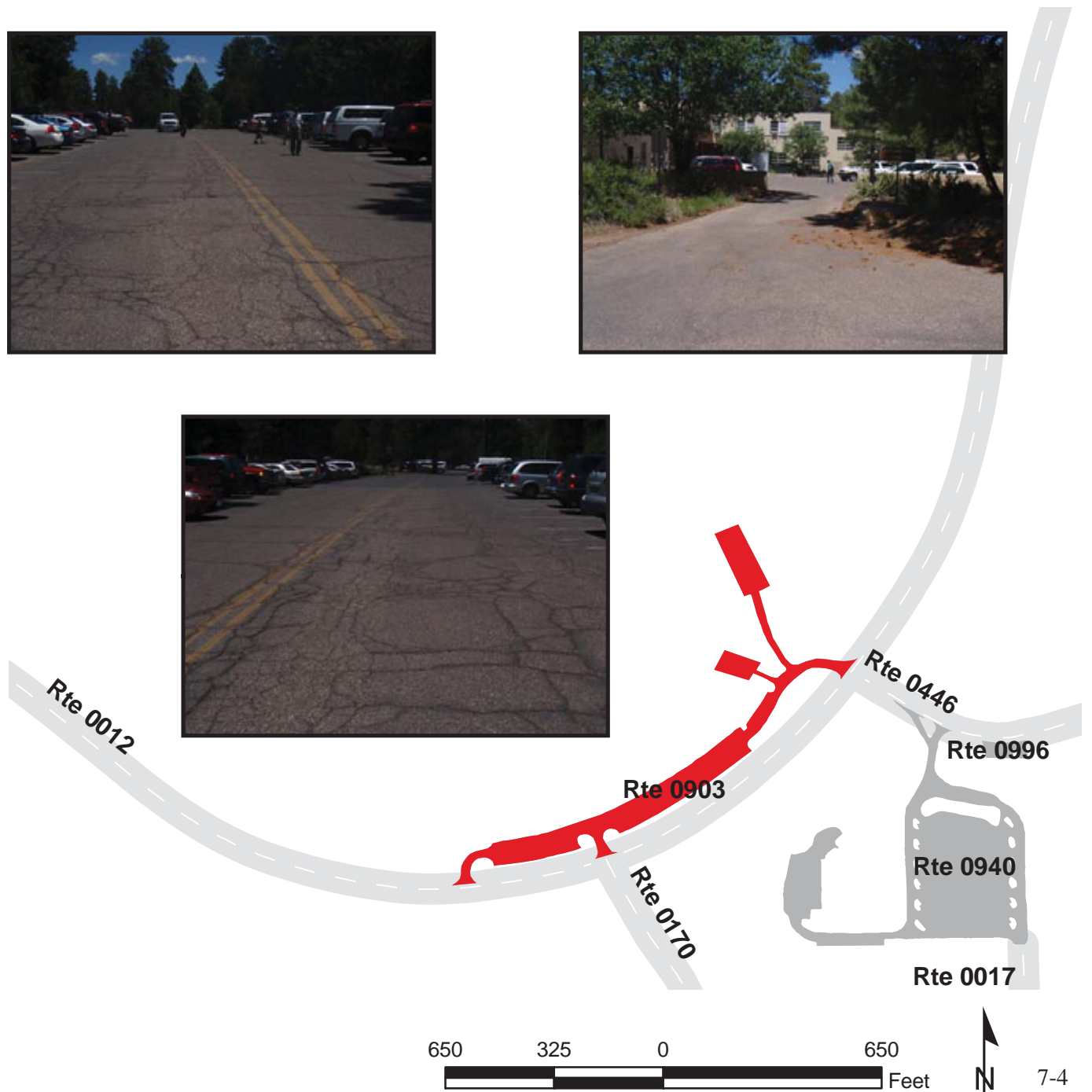
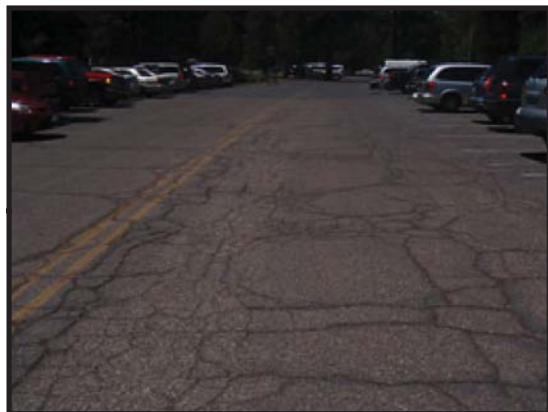
HEADQUARTERS PARKING

FROM ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 6.88

TO ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 7.10

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0903	NONPUBLIC	7/7/2009		88,846	1.53	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
2	3	0	1	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

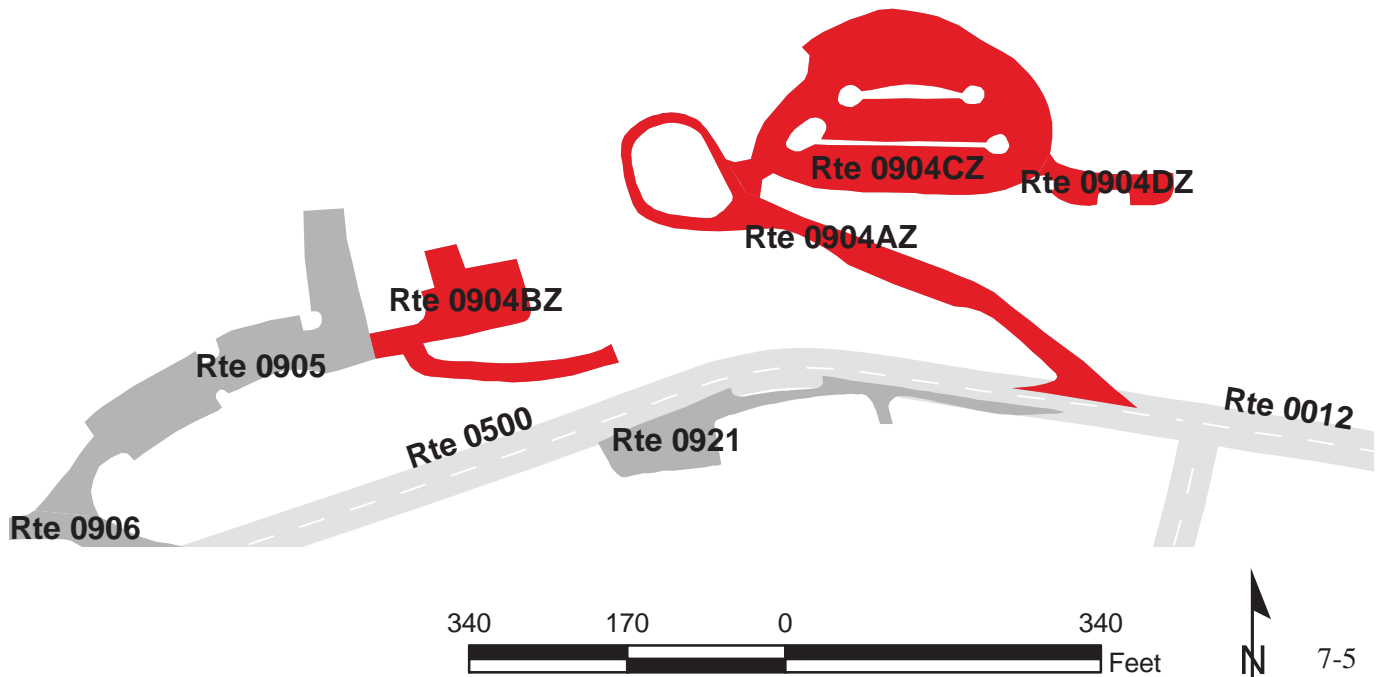
Route 0904ZZ

EL TOVAR/VERKAMPS PARKING AREAS
ADJACENT TO ROUTE 0500 (VILLAGE LOOP DRIVE)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0904ZZ	PUBLIC	7/9/2009		66,278	1.14	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	3	2	3	STONE CURB AND GUTTER	STONE CURB	SUMMARY/78.38

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

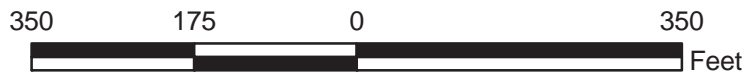
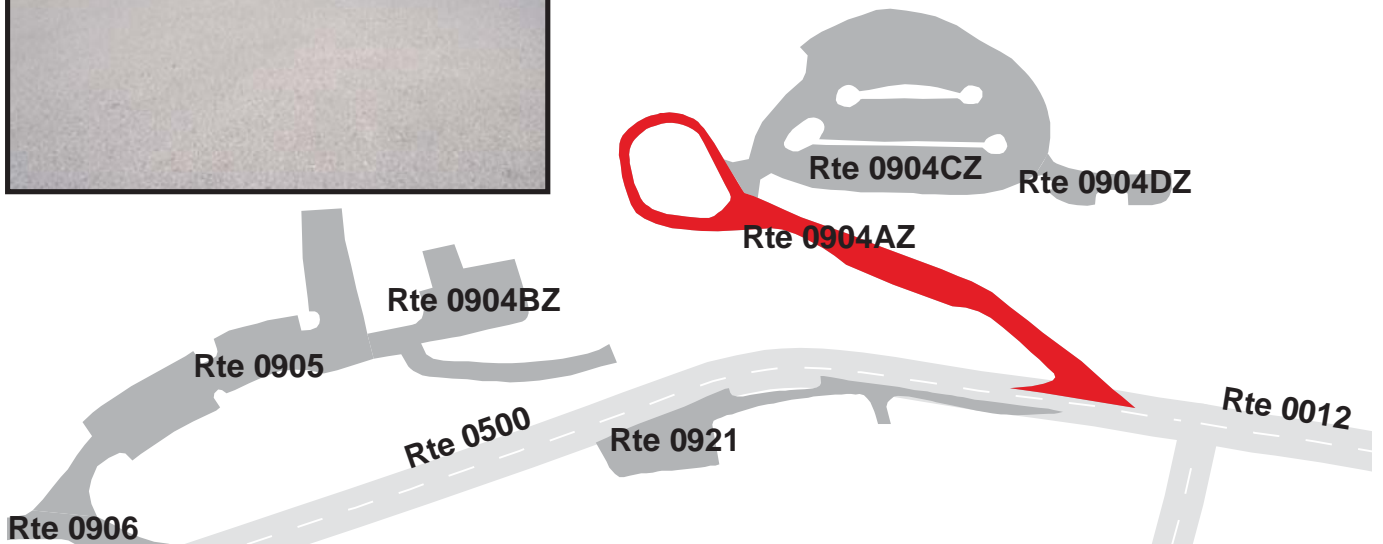
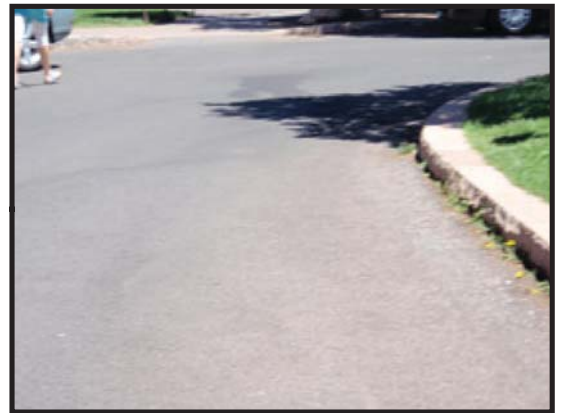
Route 0904AZ

EL TOVAR/VERKAMPS PARKING A
FROM ROUTE 0500 (VILLAGE LOOP DRIVE)
TO END OF LOOP

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0904AZ	PUBLIC	7/9/2009		14,648	0.25	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

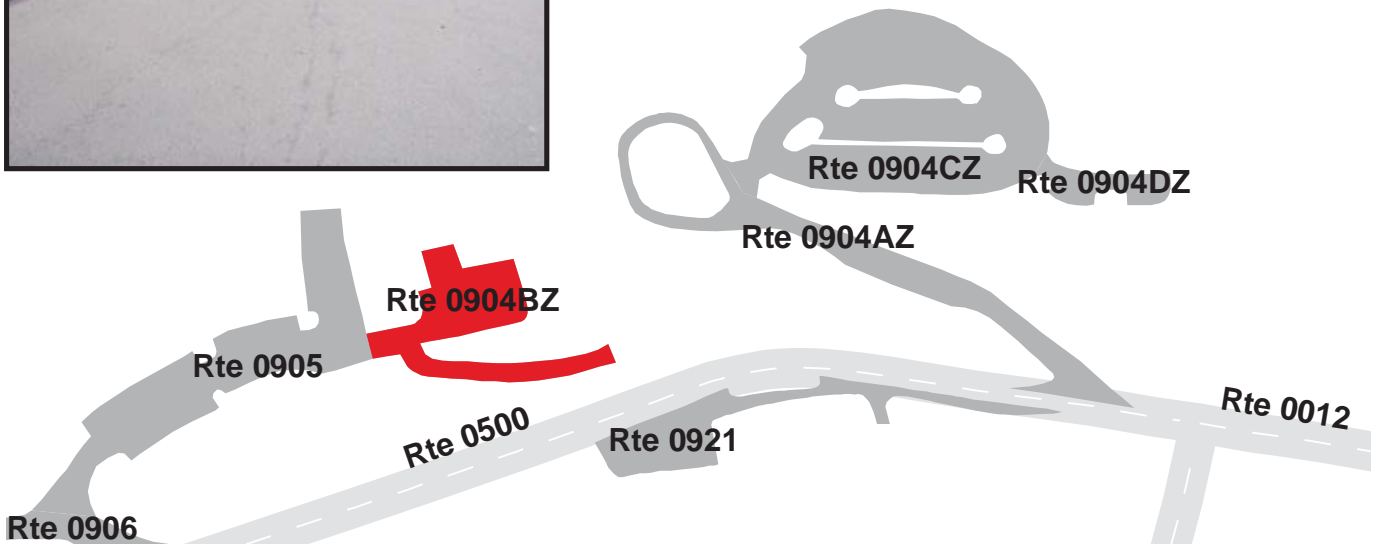
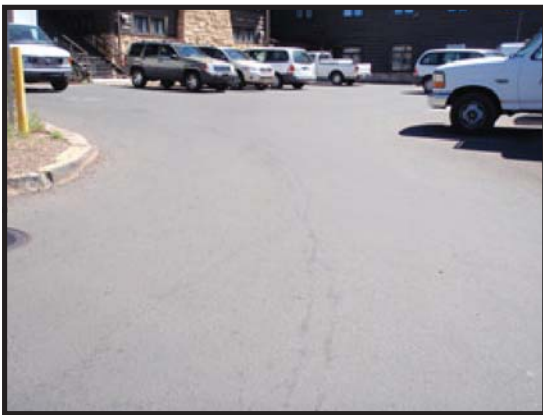
Route 0904BZ

EL TOVAR/VERKAMPS PARKING B
FROM ROUTE 0905 (KACHINA LODGE PARKING)
TO PARKING

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0904BZ	PUBLIC	7/9/2009		11,851	0.20	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	2	2	1	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0904CZ

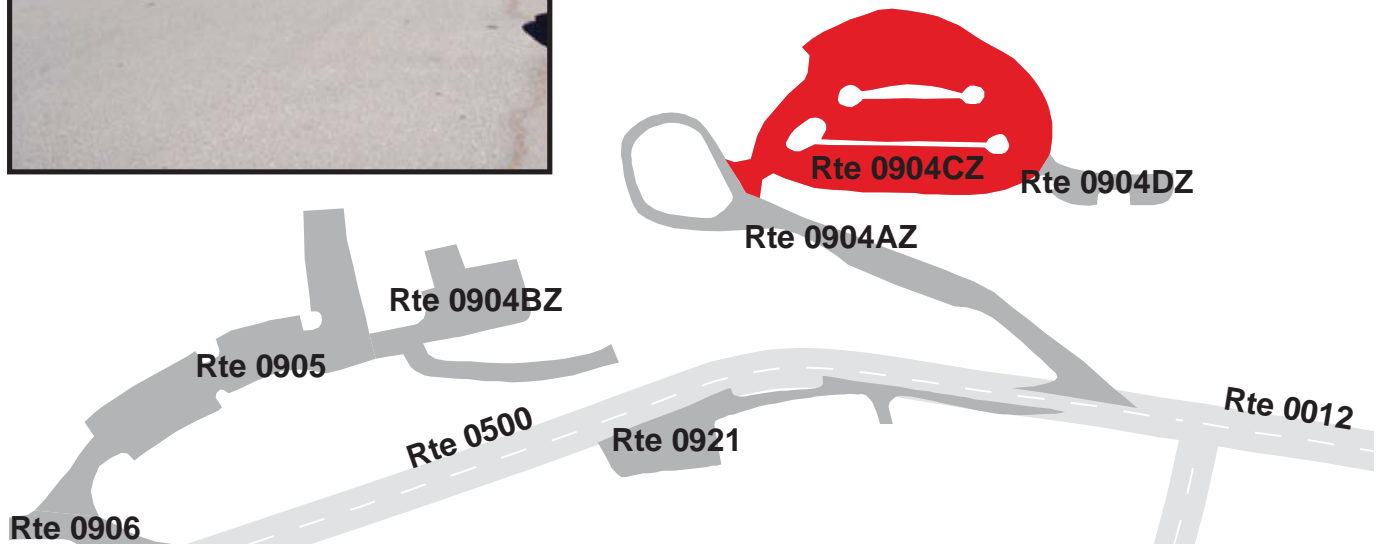
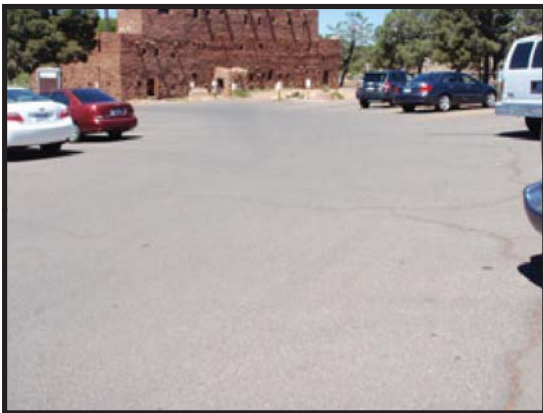
EL TOVAR/VERKAMPS PARKING C

FROM ROUTE 0904AZ (EL TOVAR/VERKAMPS PARKING A) AND ROUTE 0904DZ (EL TOVAR/VERKAMPS PARKING D)
TO PARKING

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0904CZ	PUBLIC	7/9/2009		36,416	0.63	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

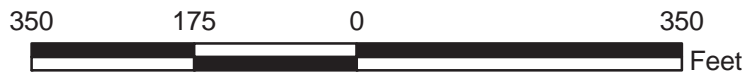
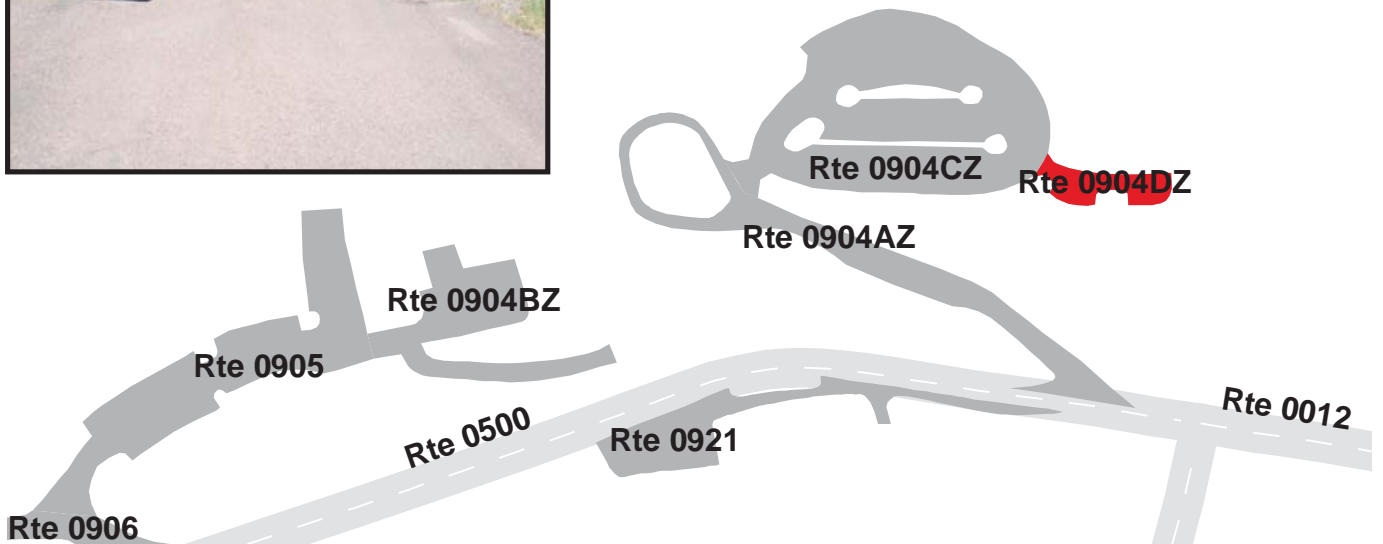
Route 0904DZ

EL TOVAR/VERKAMPS PARKING D
 FROM ROUTE 0904CZ (EL TOVAR/VERKAMPS PARKING C)
 TO PARKING

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0904DZ	PUBLIC	7/9/2009		3,363	0.06	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0905

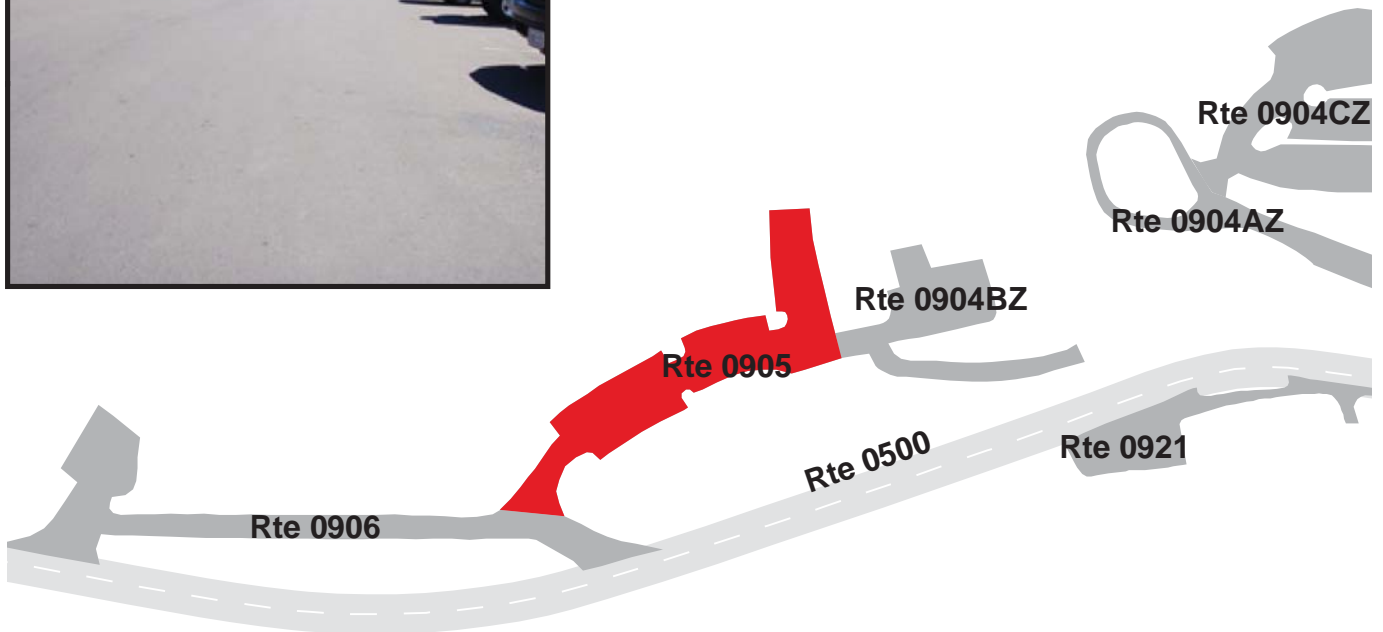
KACHINA LODGE PARKING

FROM ROUTE 0904BZ (EL TOVAR/VERKAMPS PARKING B)

TO ROUTE 0906 (THUNDERBIRD LODGE PARKING)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0905	PUBLIC	7/9/2009		21,954	0.38	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0906

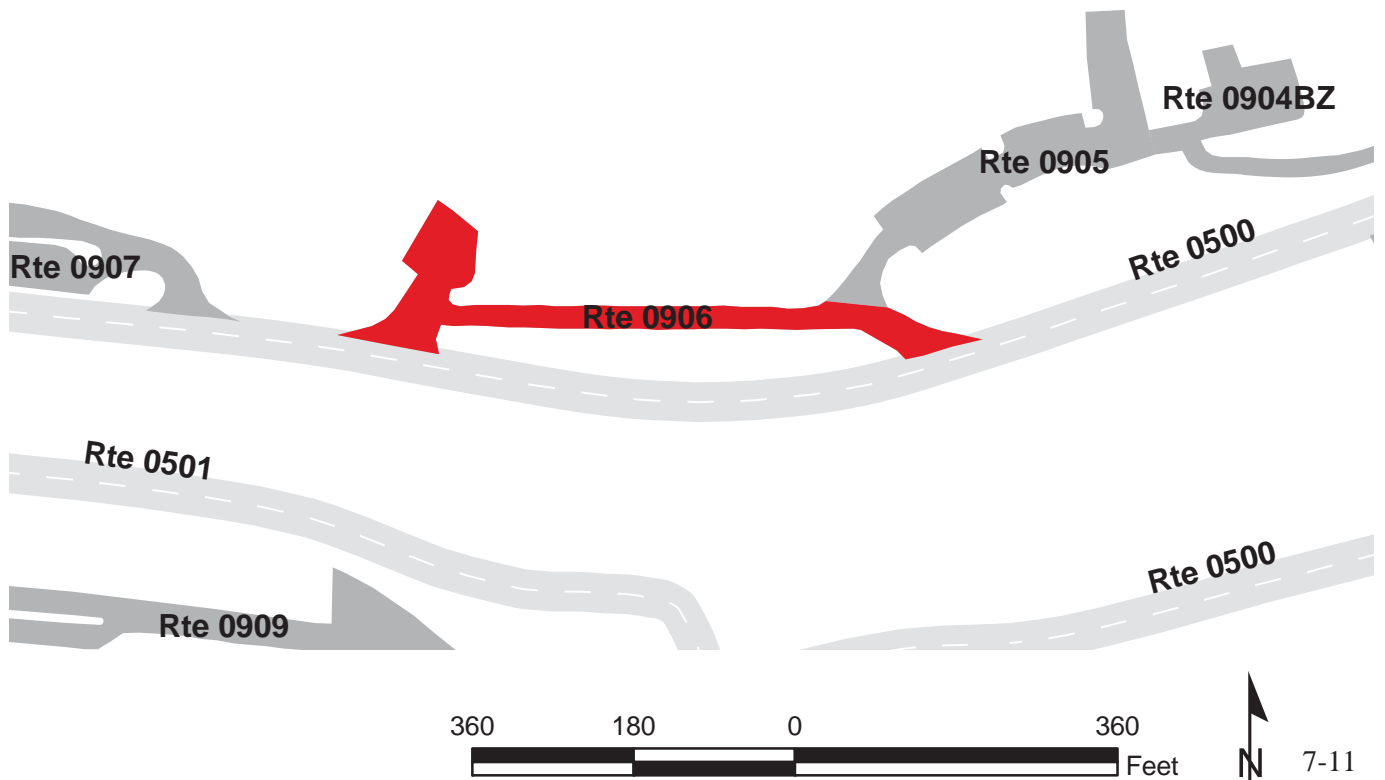
THUNDERBIRD LODGE PARKING

FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.18

TO ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.28

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0906	PUBLIC	7/9/2009		20,872	0.36	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



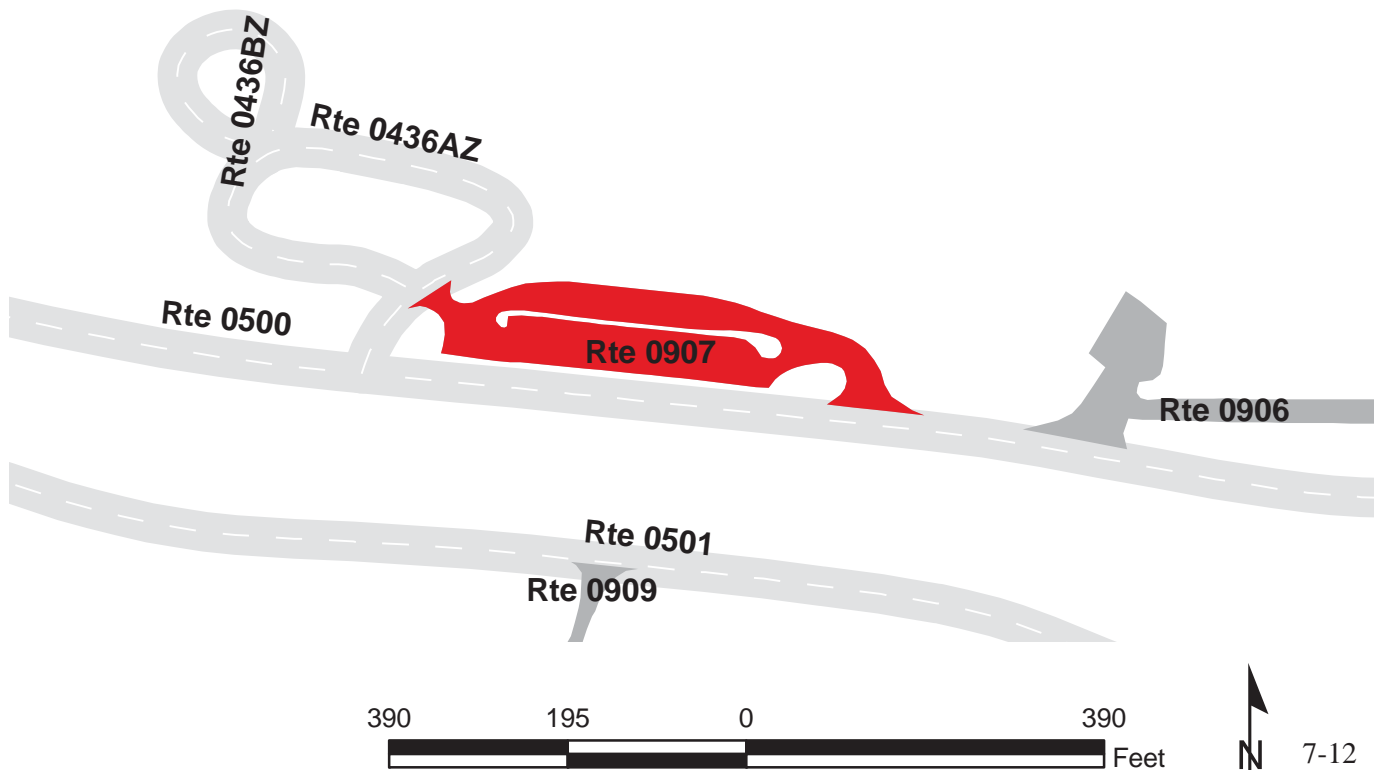
GRAND CANYON NATIONAL PARK

Route 0907

BRIGHT ANGEL LODGE PARKING
 FROM ROUTE 0500 (VILLAGE LOOP DRIVE)
 TO ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0907	PUBLIC	7/9/2009		29,055	0.50	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	1	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



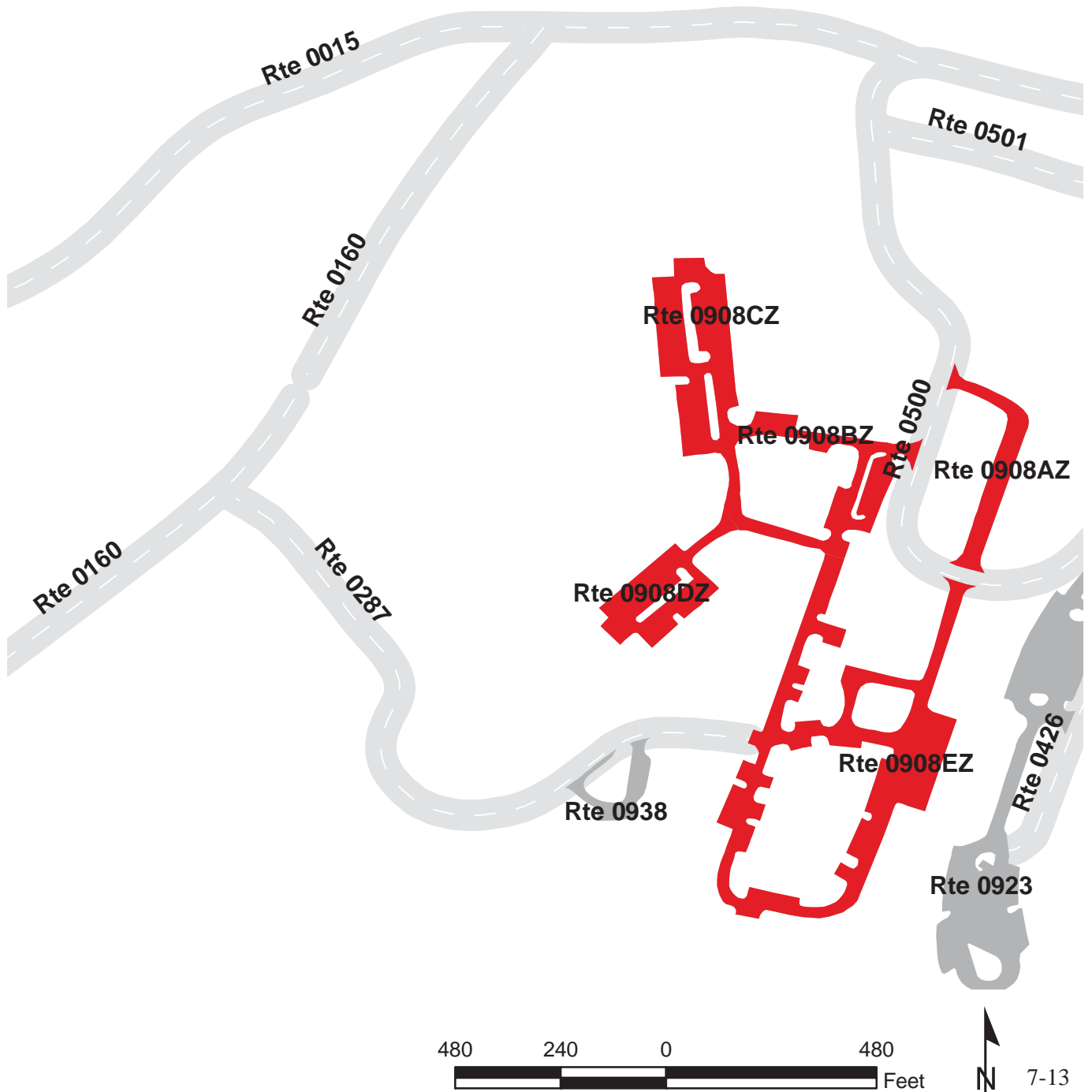
GRAND CANYON NATIONAL PARK

Route 0908ZZ

MASWICK STANDARD PARKING AREAS
 FROM ROUTE 0500 (VILLAGE LOOP DRIVE) ON LEFT AND RIGHT
 TO PARKING
 Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0908ZZ	PUBLIC	7/9/2009		217,250	3.74	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	1	9	CONCRETE CURB AND GUTTER	CONCRETE & STONE CURB	SUMMARY/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0908AZ

MASWICK STANDARD PARKING A

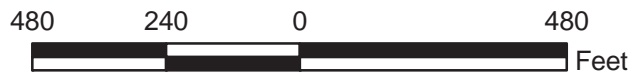
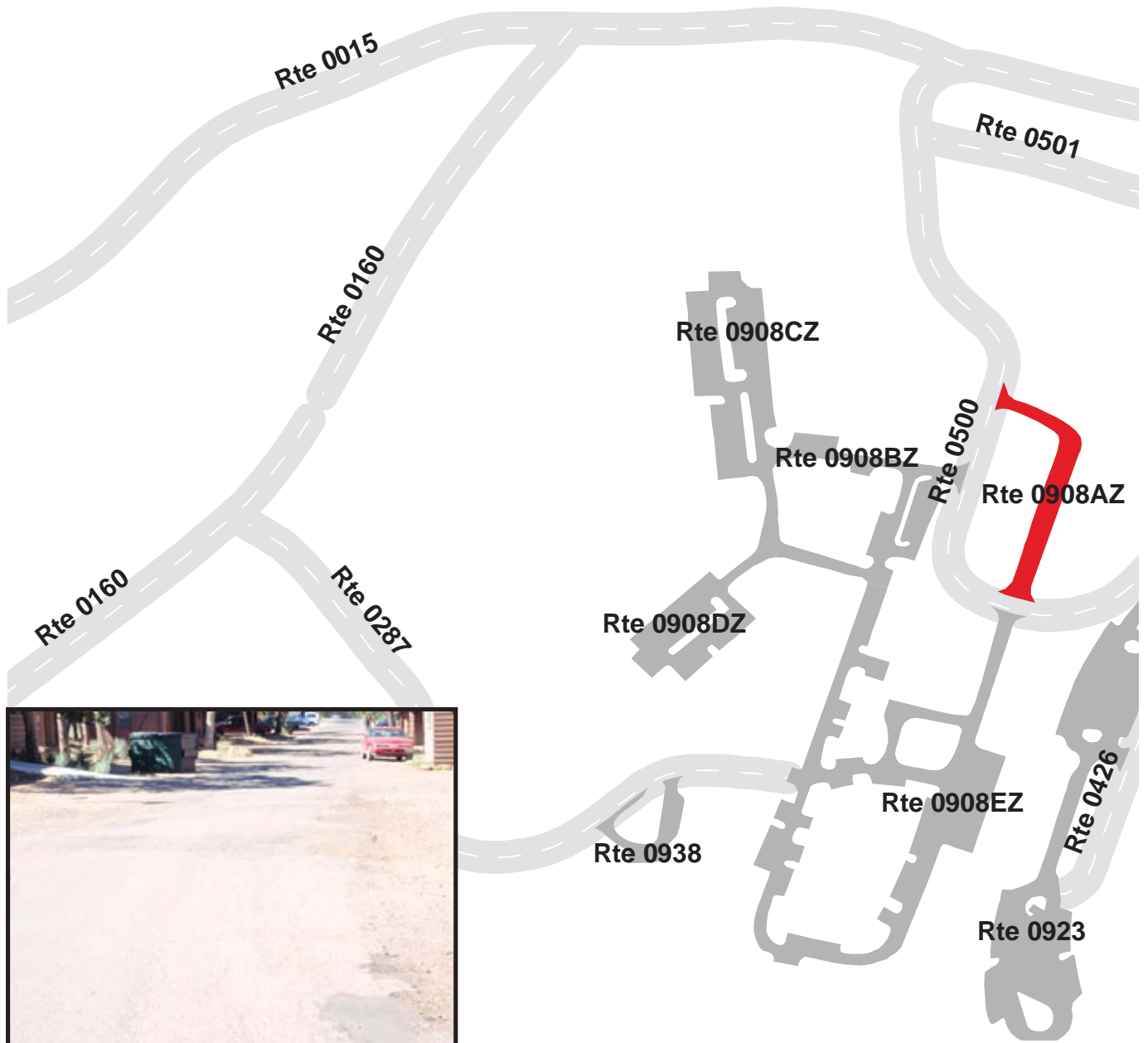
FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.66 ON LEFT

TO ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.76

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0908AZ	PUBLIC	7/9/2009		18,062	0.31	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	CONCRETE & STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0908BZ

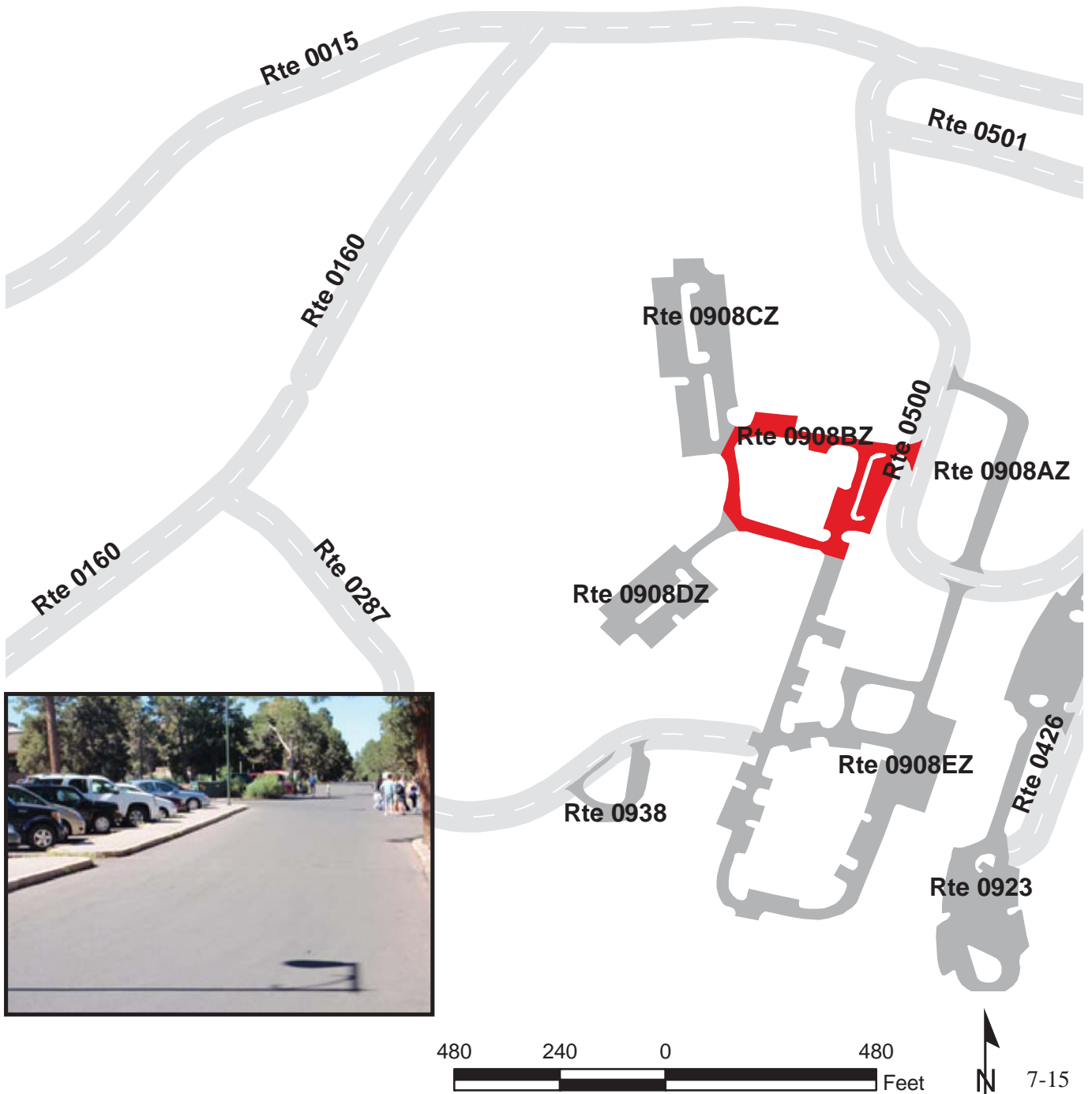
MASWICK STANDARD PARKING B

FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.70 ON RIGHT
TO ROUTE 0908ZZ (MASWICK STANDARD PARKING AREAS)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0908BZ	PUBLIC	7/9/2009		35,158	0.61	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	CONCRETE CURB AND GUTTER	CONCRETE & STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0908CZ

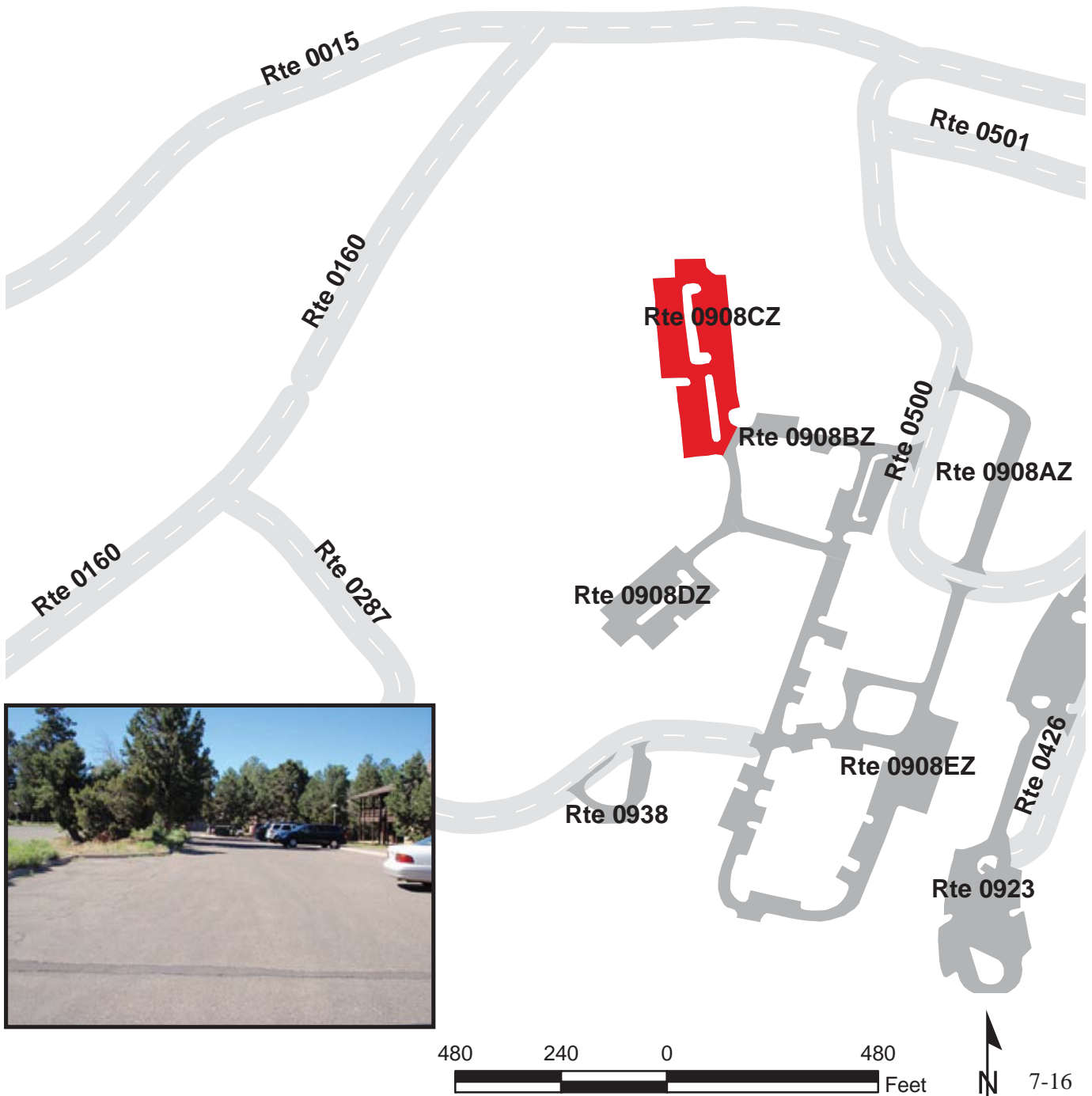
MASWICK STANDARD PARKING C

ADJACENT TO ROUTE 0908BZ (MASWICK STANDARD PARKING B)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0908CZ	PUBLIC	7/9/2009		43,858	0.76	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	2	CONCRETE CURB AND GUTTER	CONCRETE & STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0908DZ

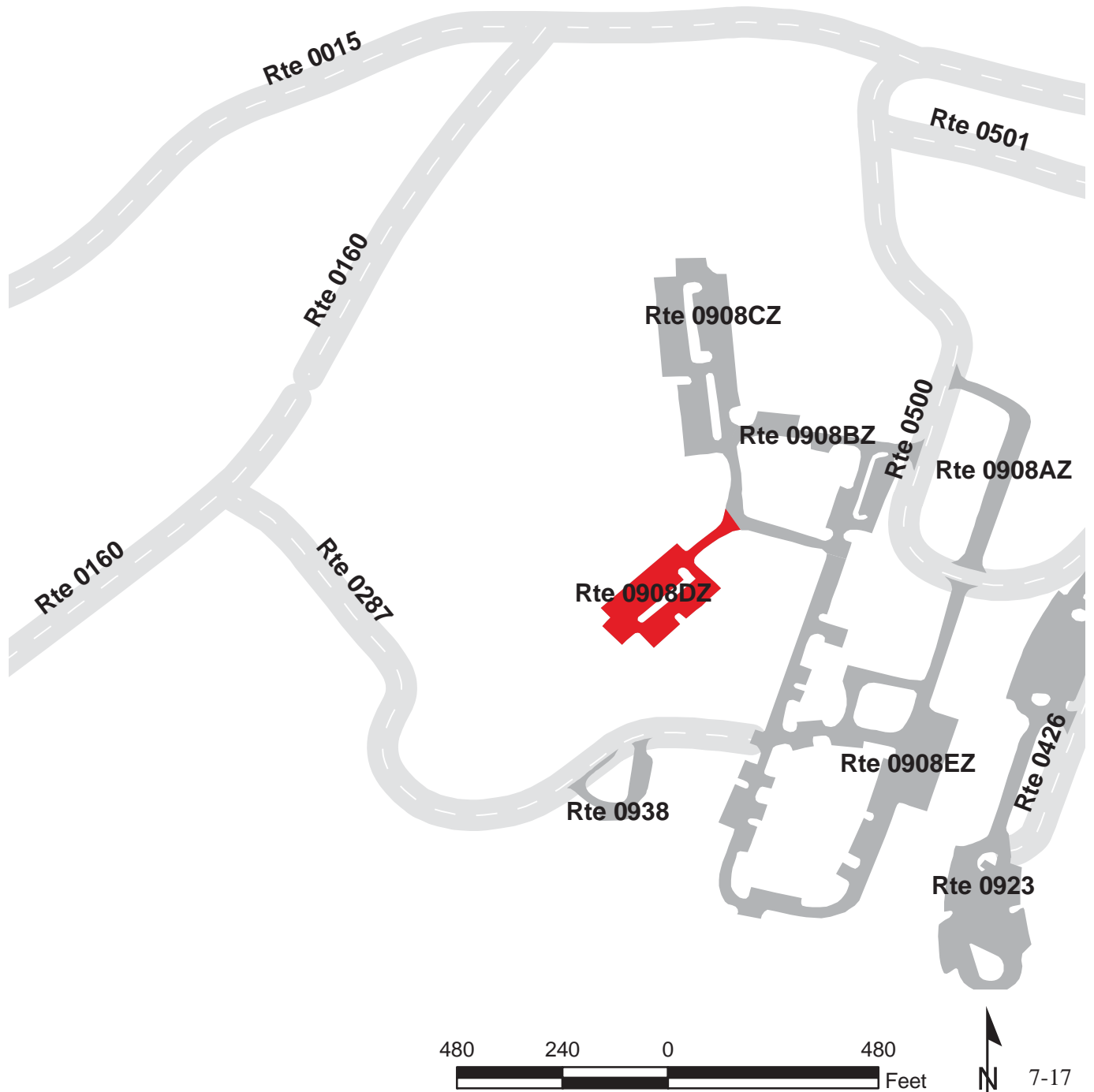
MASWICK STANDARD PARKING D

ADJACENT TO ROUTE 0908BZ (MASWICK STANDARD PARKING B)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0908DZ	PUBLIC	7/9/2009		26,702	0.46	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	CONCRETE CURB AND GUTTER	CONCRETE & STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0908EZ

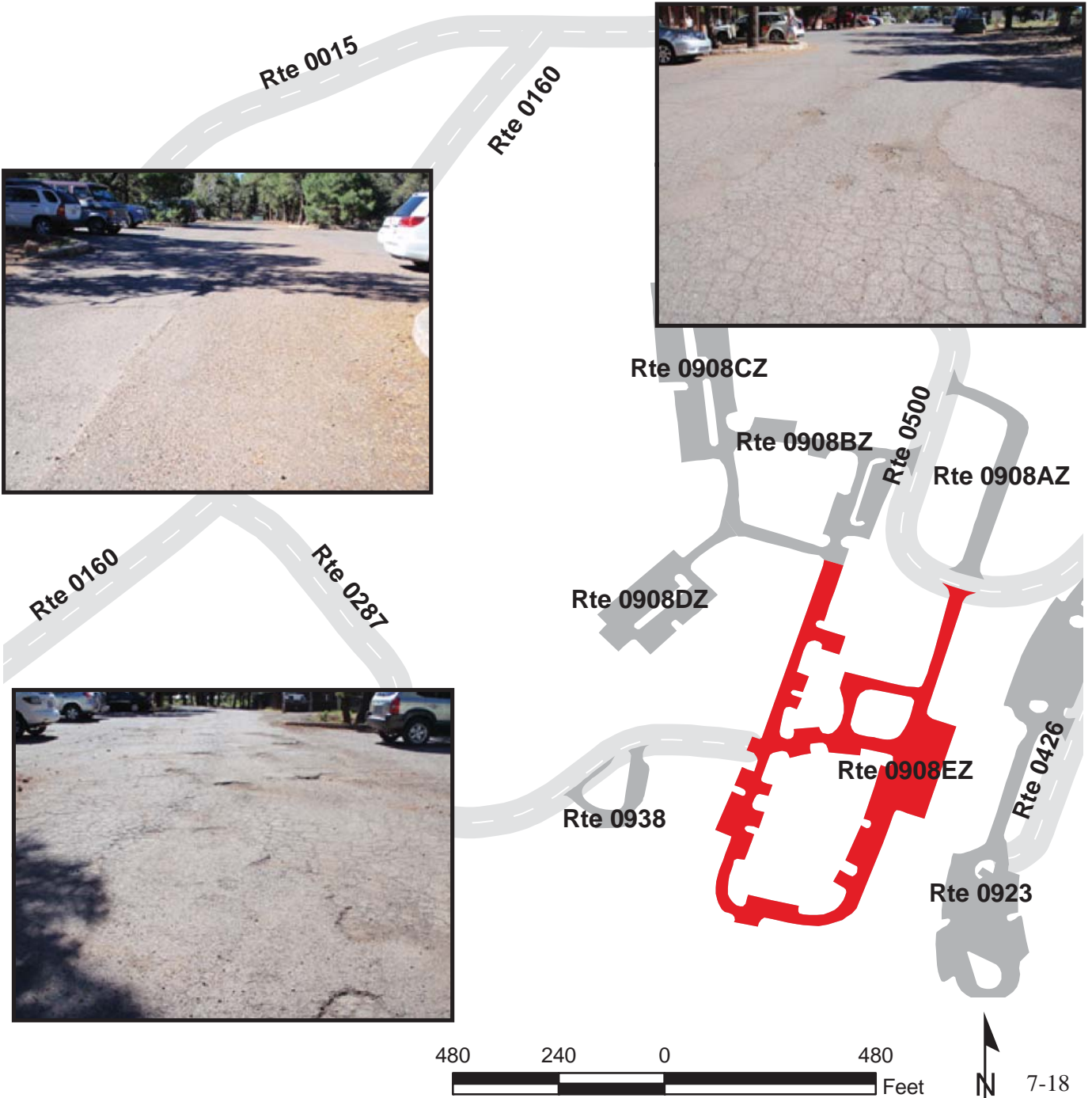
MASWICK STANDARD PARKING E

FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.76 ON RIGHT
TO ROUTE 0908ZZ (MASWICK STANDARD PARKING AREAS)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0908EZ	PUBLIC	7/9/2009		93,469	1.61	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	1	5	CONCRETE CURB AND GUTTER	CONCRETE & STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0909

SERVICE PARKING AREA

FROM ROUTE 0500 (VILLAGE LOOP DRIVE)

TO ROUTE 0501 (VILLAGE LOOP BYPASS)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0909	PUBLIC	7/9/2009		64,883	1.12	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

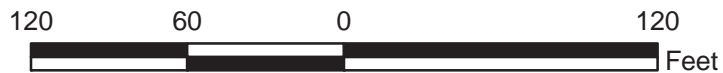
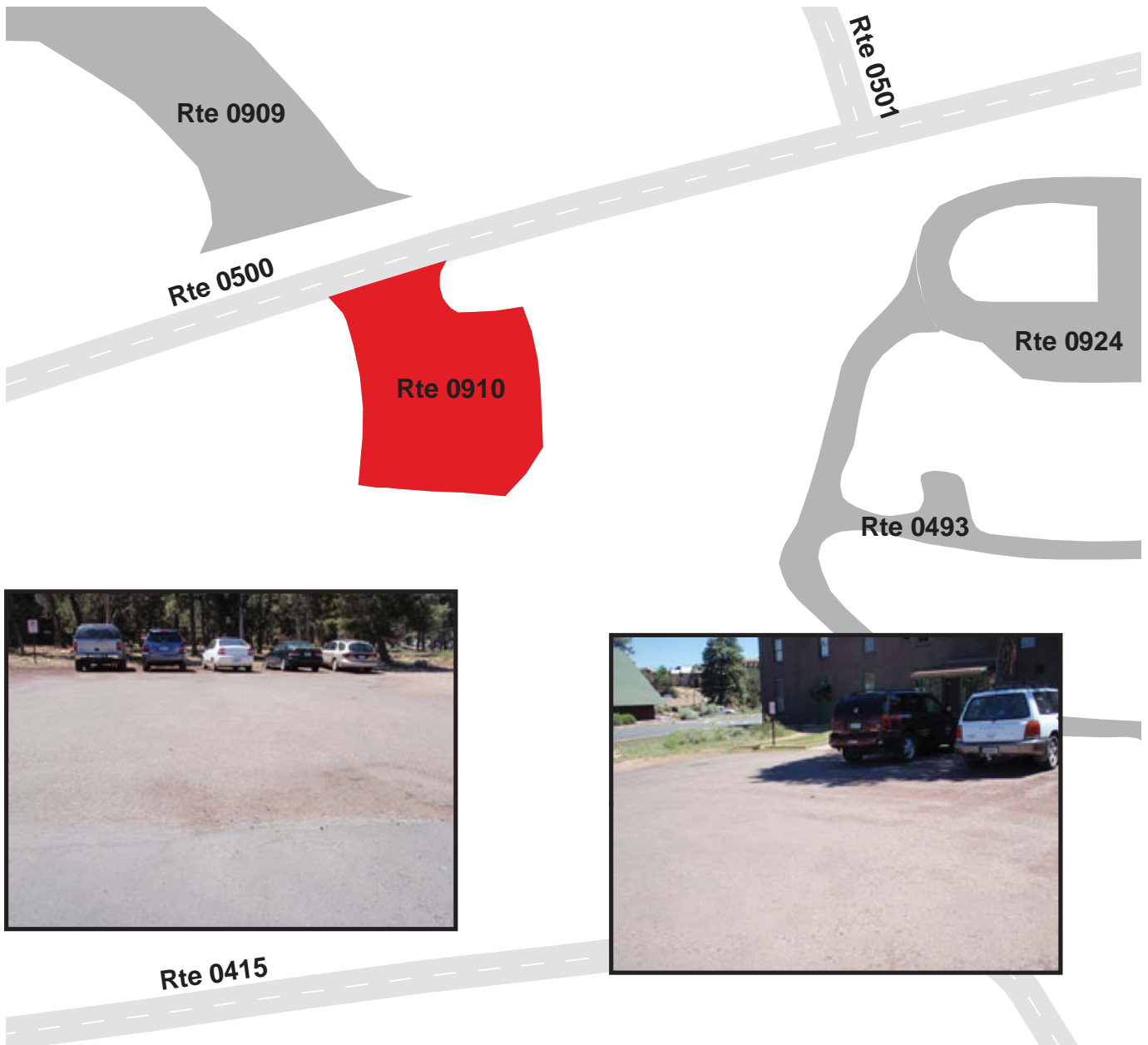
Route 0910

HUMAN RESOURCES PARKING

ADJACENT TO ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 1.03

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0910	NONPUBLIC	7/9/2009		6,074	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

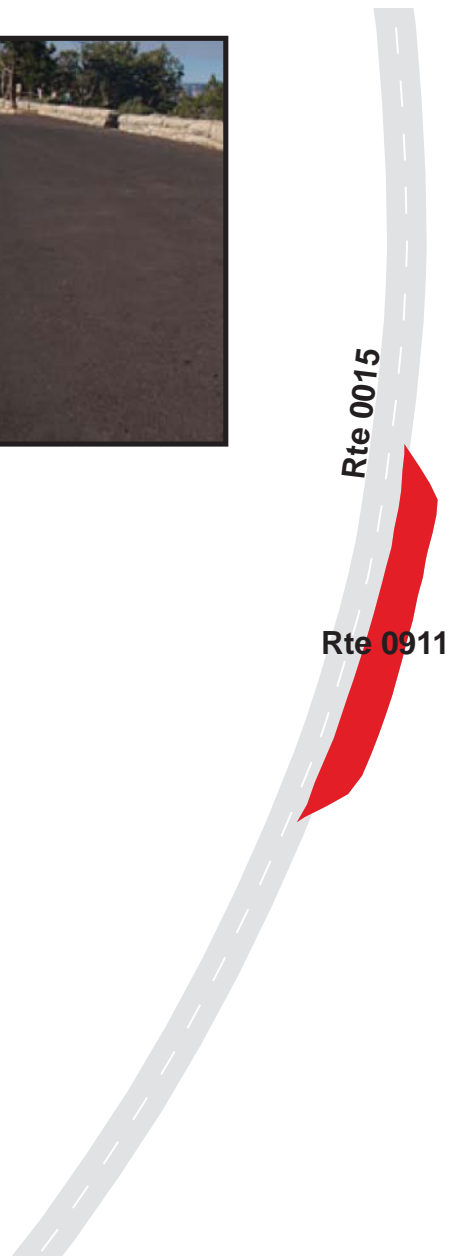
Route 0911

TRAILVIEW PARKING

ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 1.11

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0911	PUBLIC	7/7/2009		5,568	0.10	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



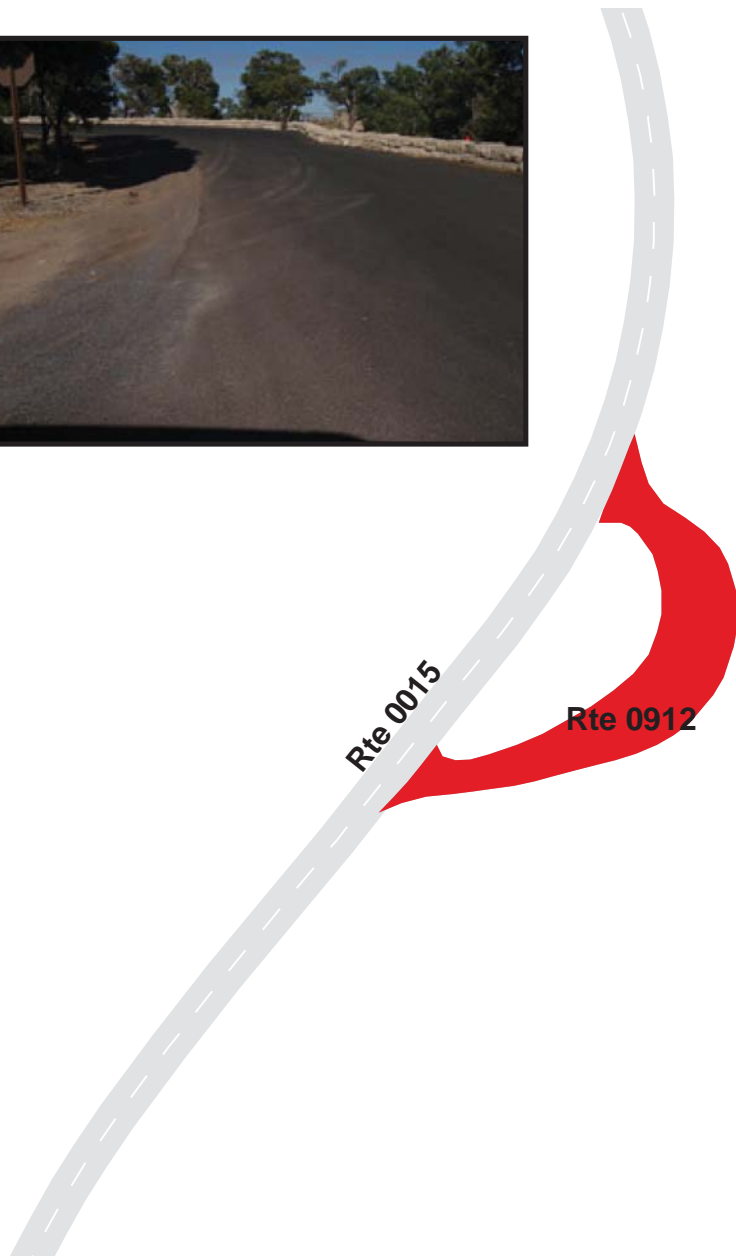
GRAND CANYON NATIONAL PARK

Route 0912

GRAND CANYON VISTA PARKING
 FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 1.44
 TO ROUTE 0015 (HERMIT REST ROAD) AT MP 1.48

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0912	PUBLIC	7/7/2009		9,848	0.17	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

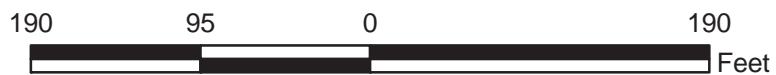
Route 0913

MARICOPA POINT PARKING

ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 1.78

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0913	PUBLIC	7/7/2009		4,199	0.07	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

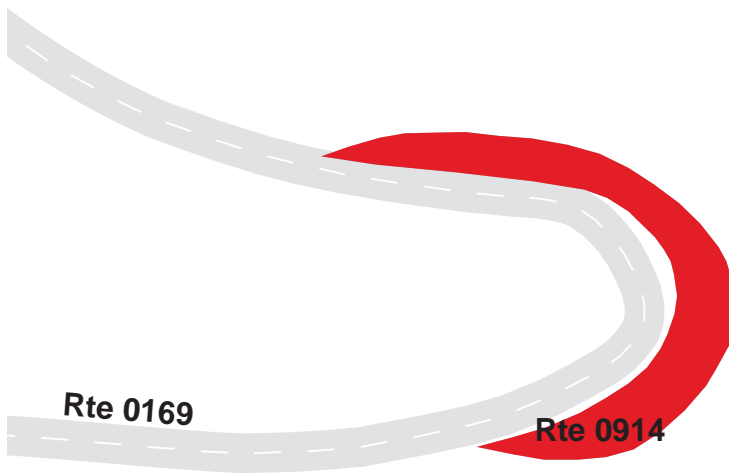
Route 0914

POWELL MEMORIAL PARKING

ADJACENT TO ROUTE 0169 (POWELL MEMORIAL ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0914	PUBLIC	7/8/2009		6,180	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0915

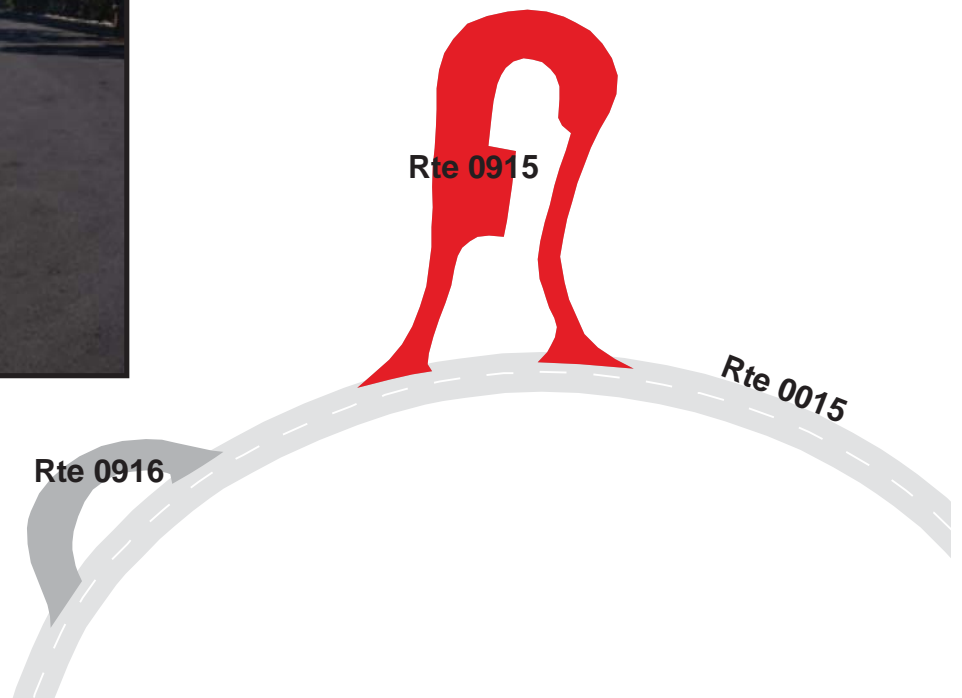
HOPI POINT PARKING

FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 2.36

TO ROUTE 0015 (HERMIT REST ROAD) AT MP 2.39

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0915	PUBLIC	7/7/2009		17,600	0.30	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0916

HOPI POINT II PARKING

FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 2.41

TO ROUTE 0015 (HERMIT REST ROAD) AT MP 2.44

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0916	PUBLIC	7/7/2009		5,355	0.09	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

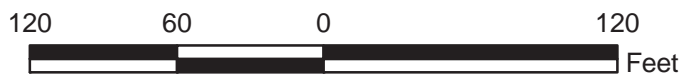
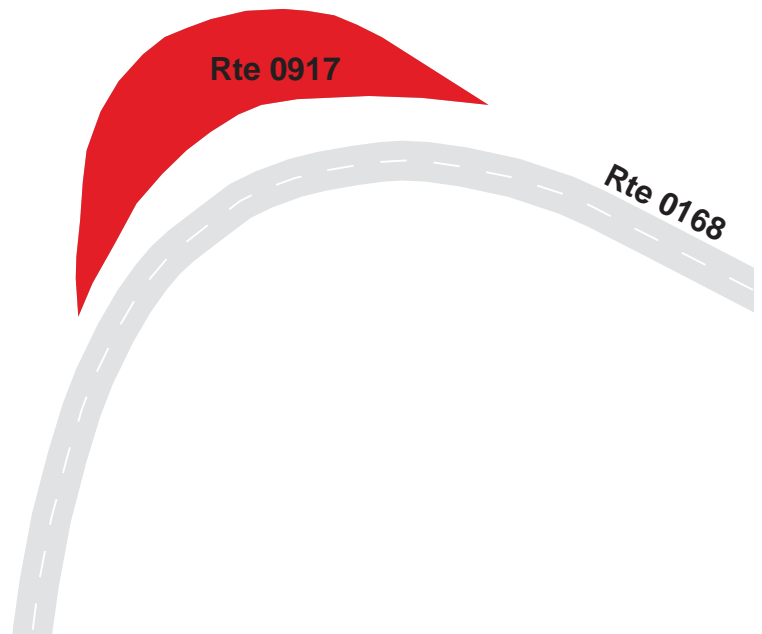
Route 0917

MOHAVE POINT PARKING

ADJACENT TO ROUTE 0168 (MOHAVE POINT ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0917	PUBLIC	7/8/2009		4,877	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

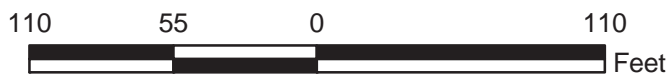
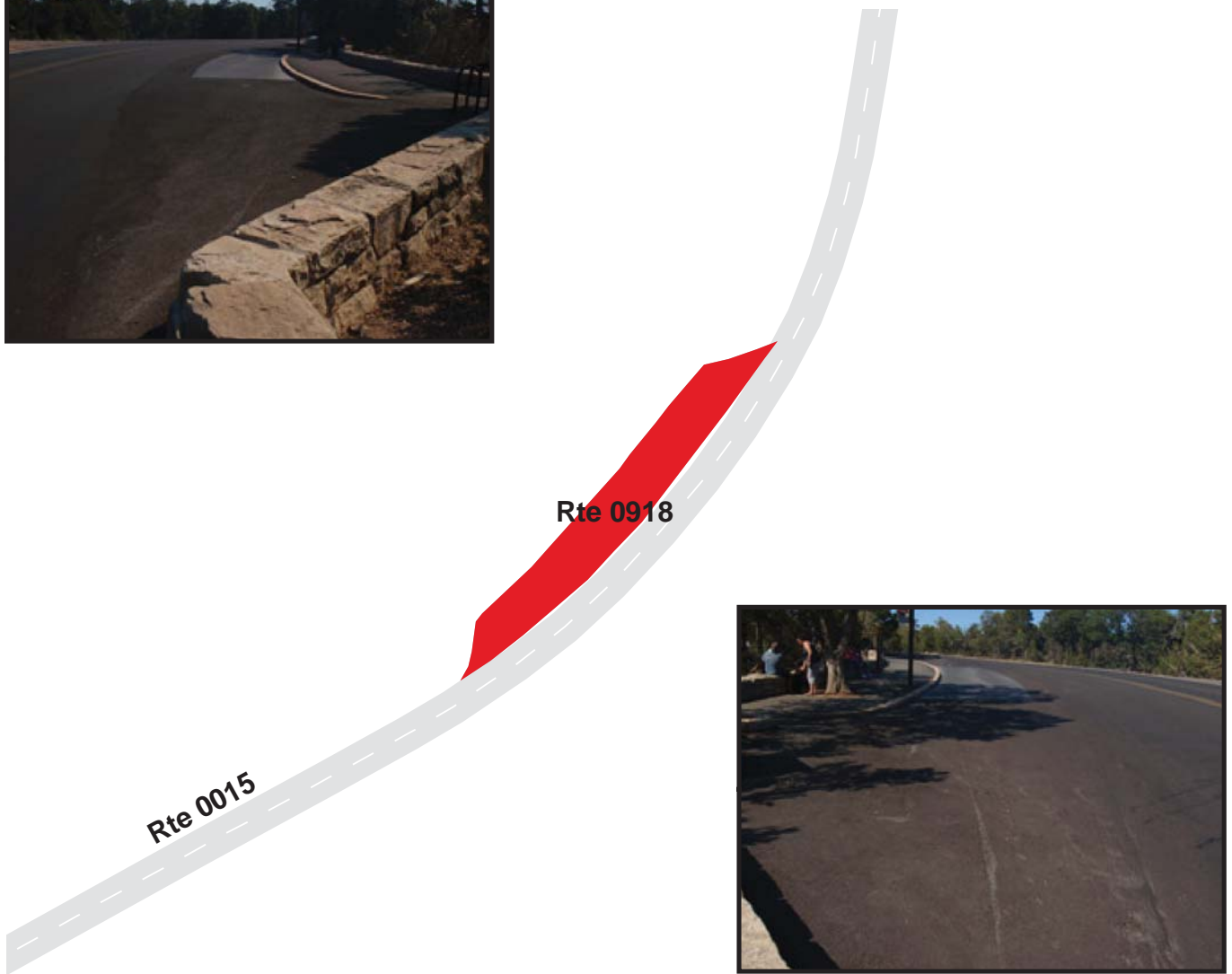
Route 0918

ABYSS PARKING

ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 4.14

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0918	PUBLIC	7/7/2009		2,797	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

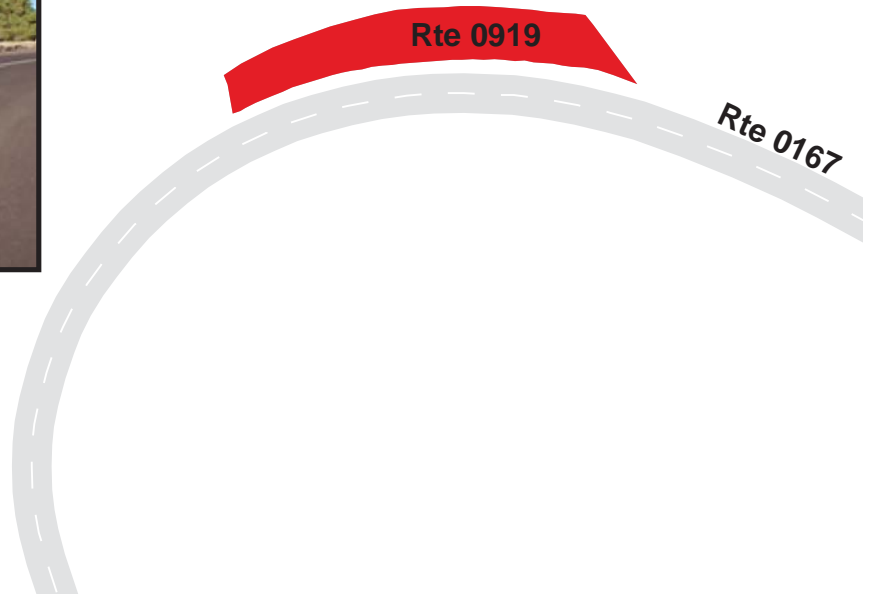
Route 0919

PIMA POINT PARKING

ADJACENT TO ROUTE 0167 (PIMA POINT ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0919	PUBLIC	7/8/2009		4,952	0.09	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

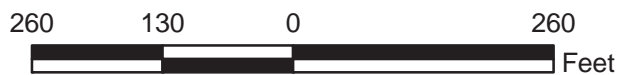
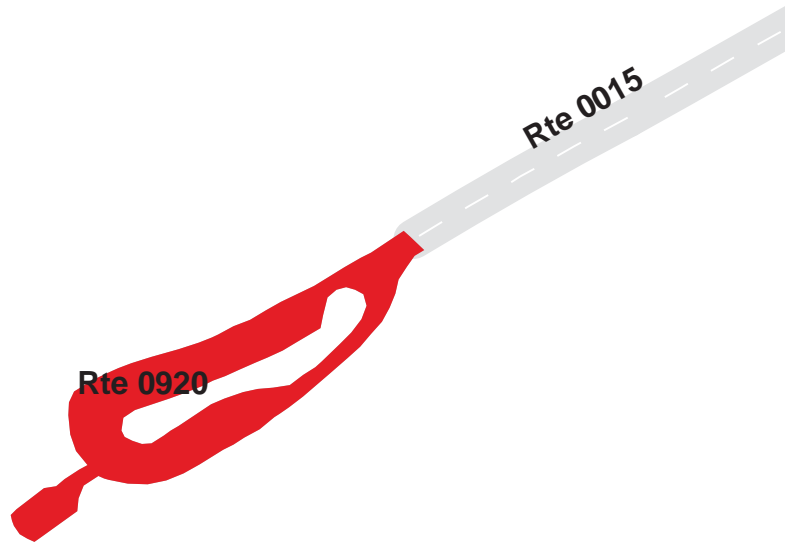
Route 0920

HERMIT'S REST PARKING

FROM END OF ROUTE 0015 (HERMIT REST ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0920	PUBLIC	7/7/2009		24,020	0.41	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

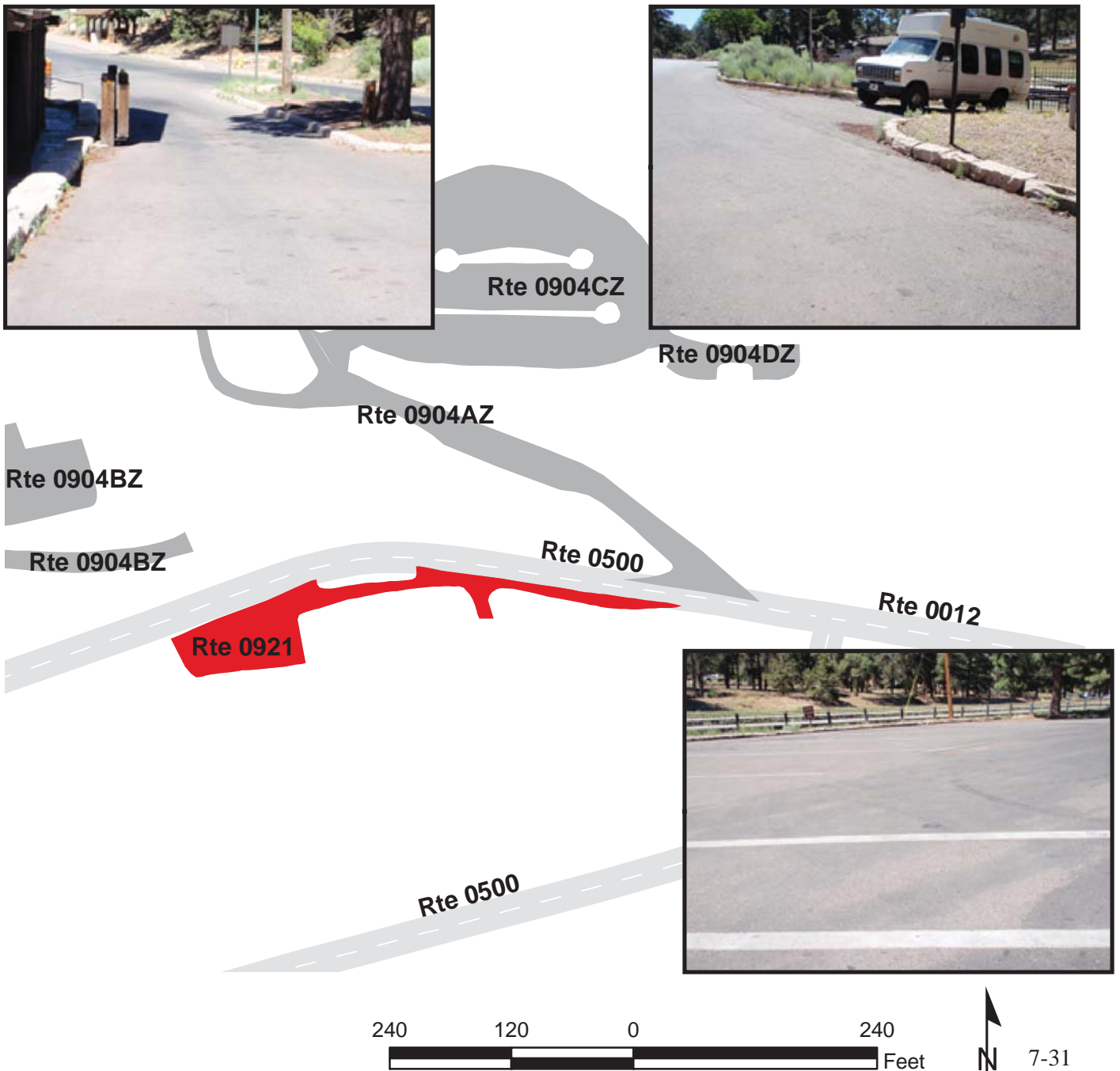
Route 0921

TRAIN STATION PARKING

ADJACENT TO ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.07

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0921	PUBLIC	7/9/2009		9,943	0.17	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	1	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



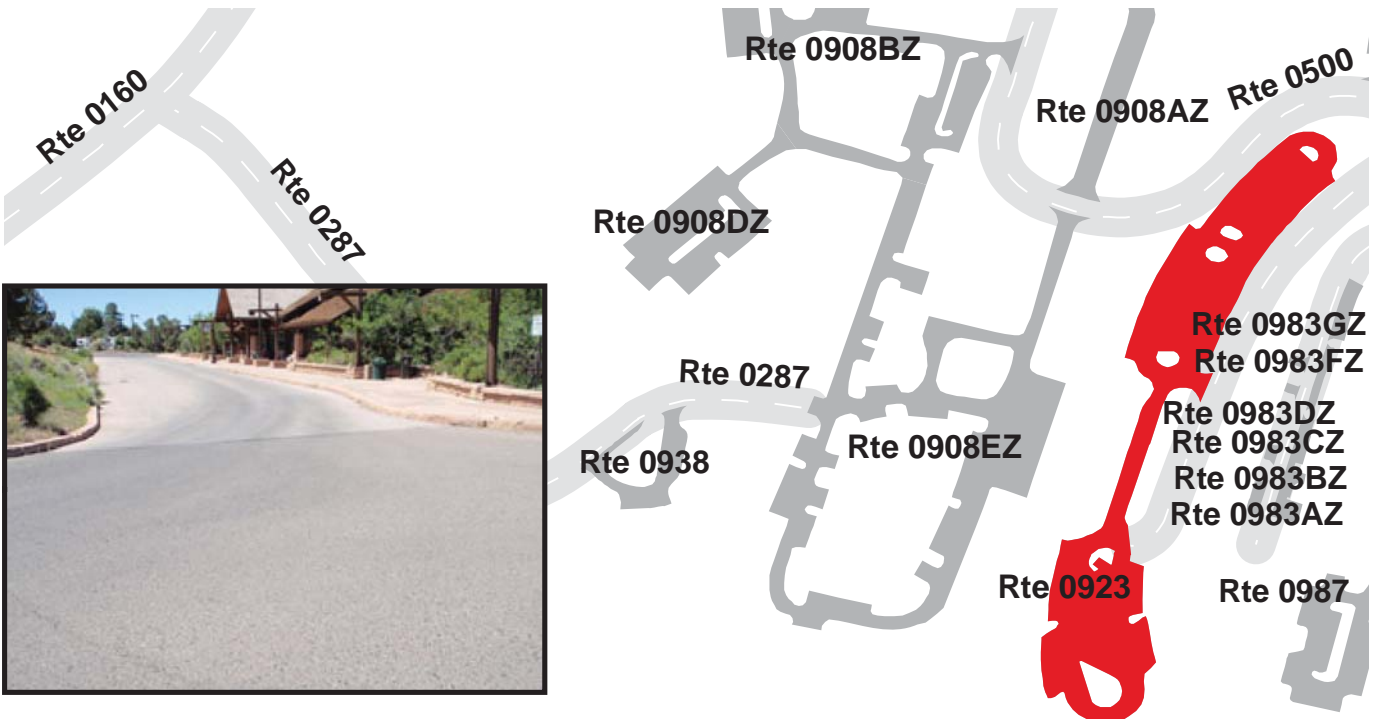
GRAND CANYON NATIONAL PARK

Route 0923

MASWICK TRANSPORTATION CENTER PARKING
 FROM ROUTE 0426 (MASWICK TRANSPORTATION CENTER ROAD)
 TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0923	PUBLIC	7/9/2009		104,782	1.80	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	3	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

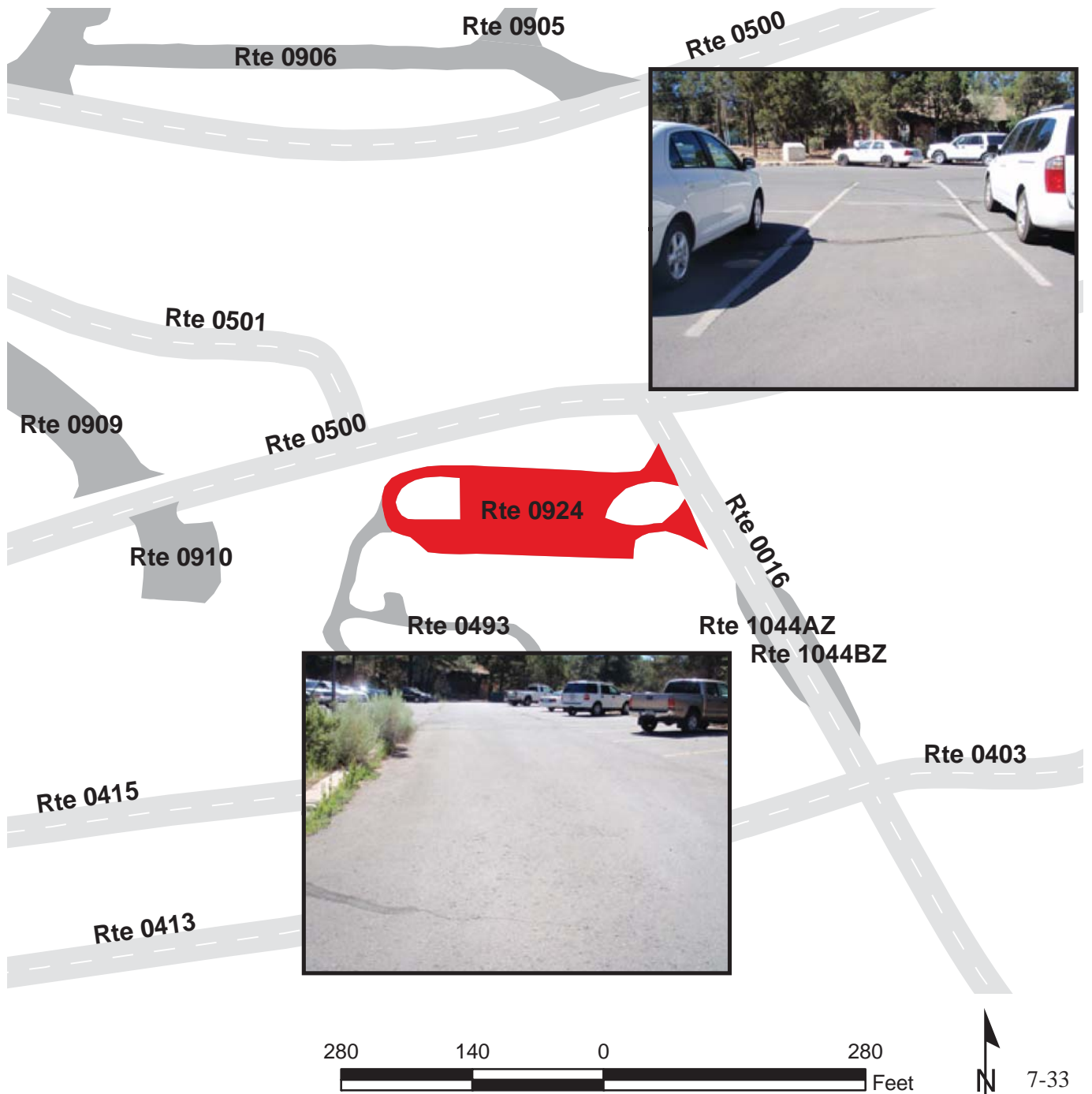
Route 0924

RANGER OPERATIONS PARKING

FROM ROUTE 0016 (CENTER ROAD) AT MP 1.59
TO ROUTE 0493 (MAGISTRATE EMPLOYEE ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0924	PUBLIC	7/8/2009		18,209	0.31	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	1	0	1	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



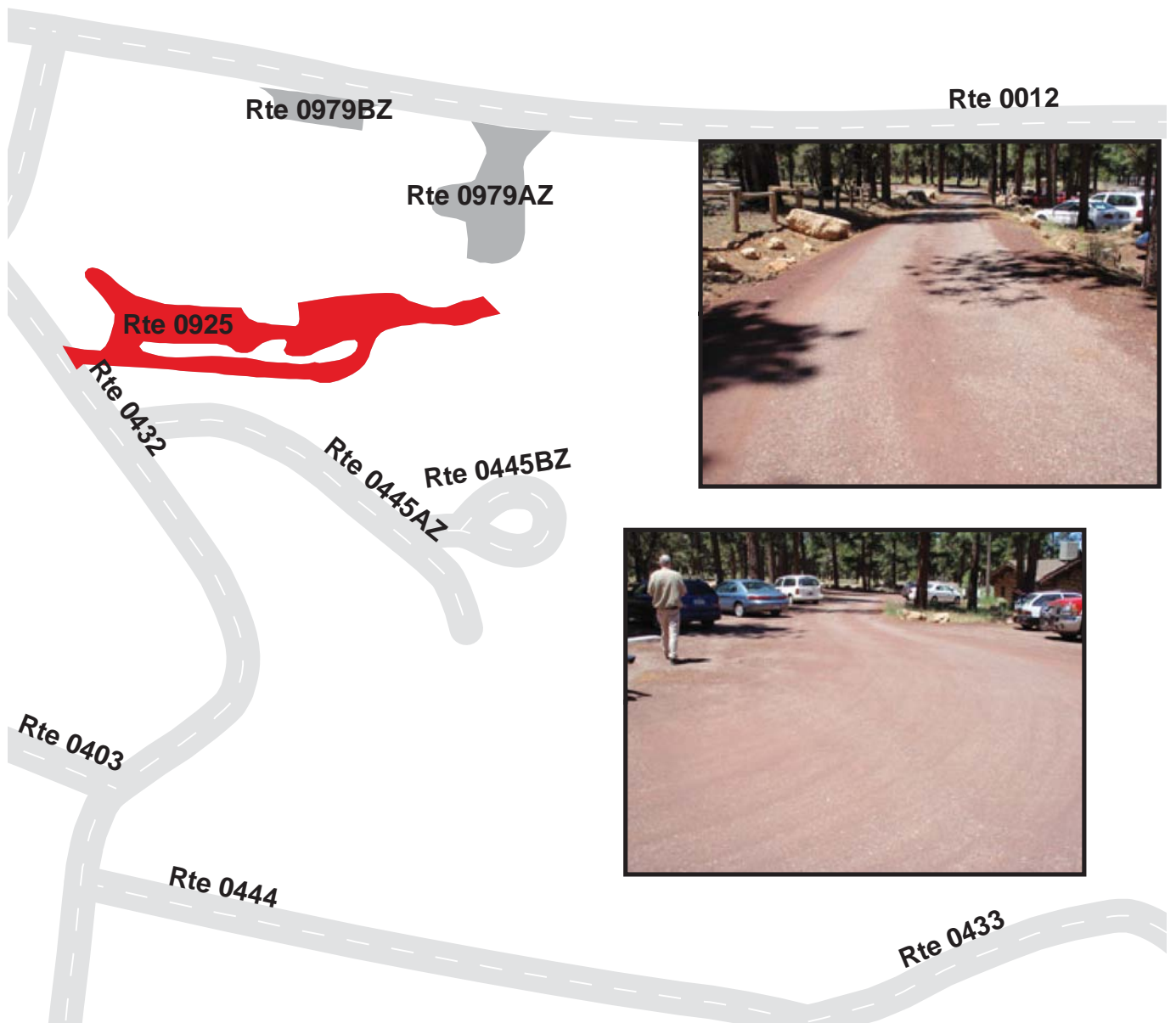
GRAND CANYON NATIONAL PARK

Route 0925

GENERAL OFFICES PARKING
FROM ROUTE 0432 (NAVAJO STREET)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0925	NONPUBLIC	7/8/2009		14,758	0.25	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	1	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



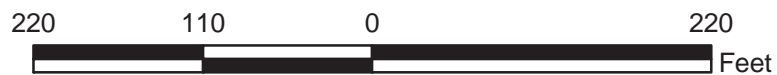
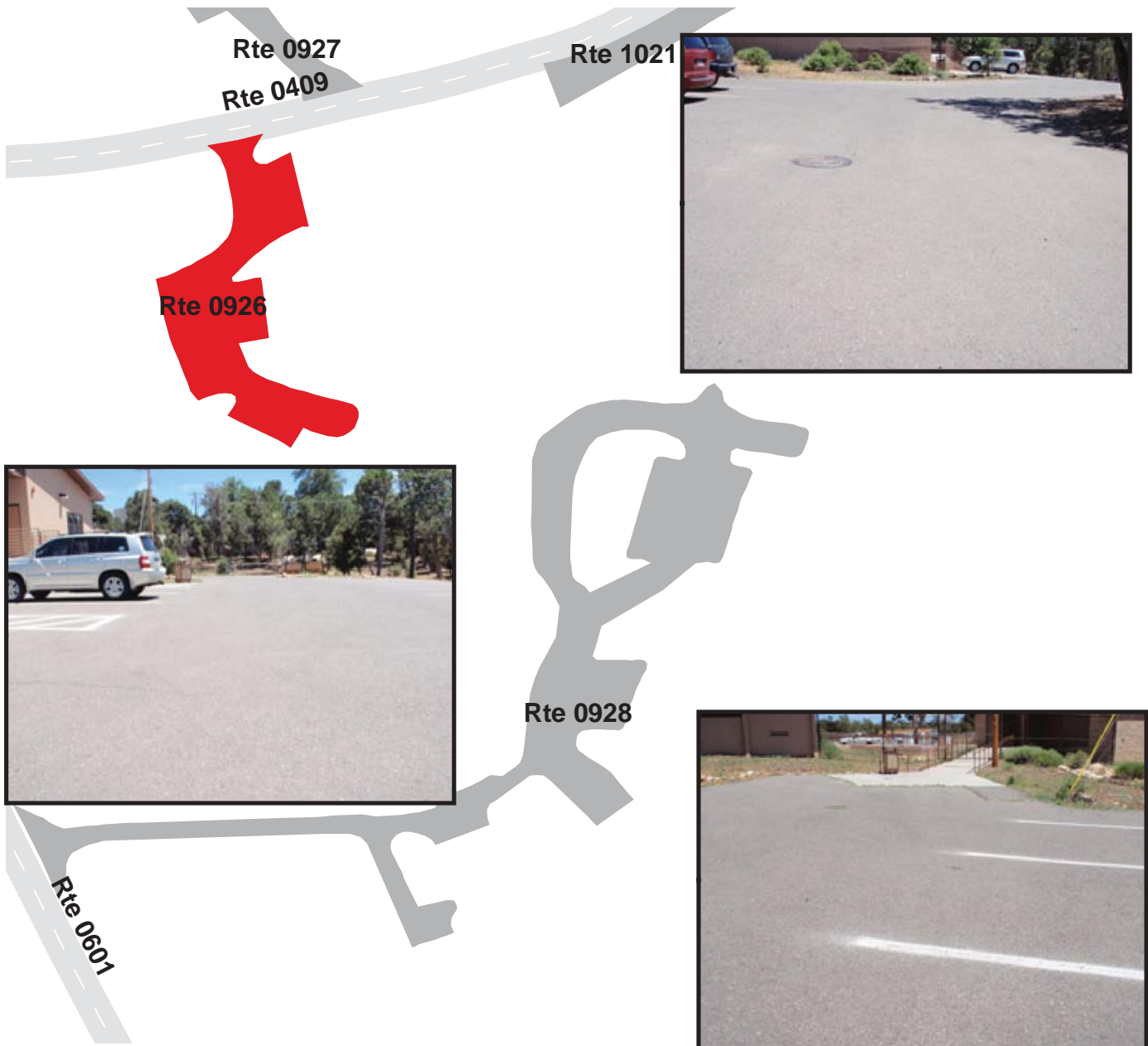
GRAND CANYON NATIONAL PARK

Route 0926

CHAPEL PARKING
FROM ROUTE 0409 (BOULDER STREET)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0926	PUBLIC	7/8/2009		11,673	0.20	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	1	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



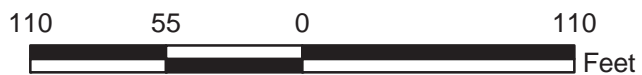
GRAND CANYON NATIONAL PARK

Route 0927

BOULDER STREET RESIDENCE PARKING
FROM ROUTE 0409 (BOULDER STREET)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0927	NONPUBLIC	7/8/2009		4,668	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0928

COCONINO SCHOOL PARKING

FROM ROUTE 0601 (ALBRIGHT AVENUE) AND END OF ROUTE 0408 (COCONINO ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0928	PUBLIC	7/8/2009		29,618	0.51	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	1	1	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

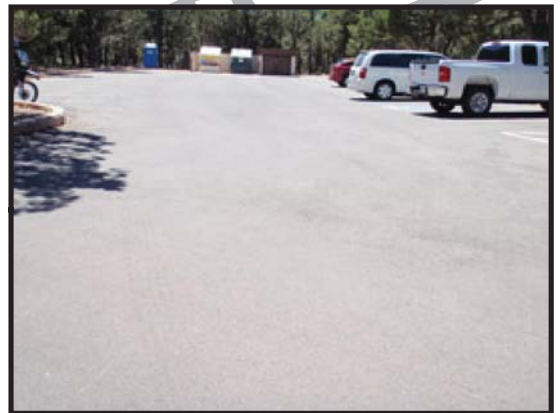
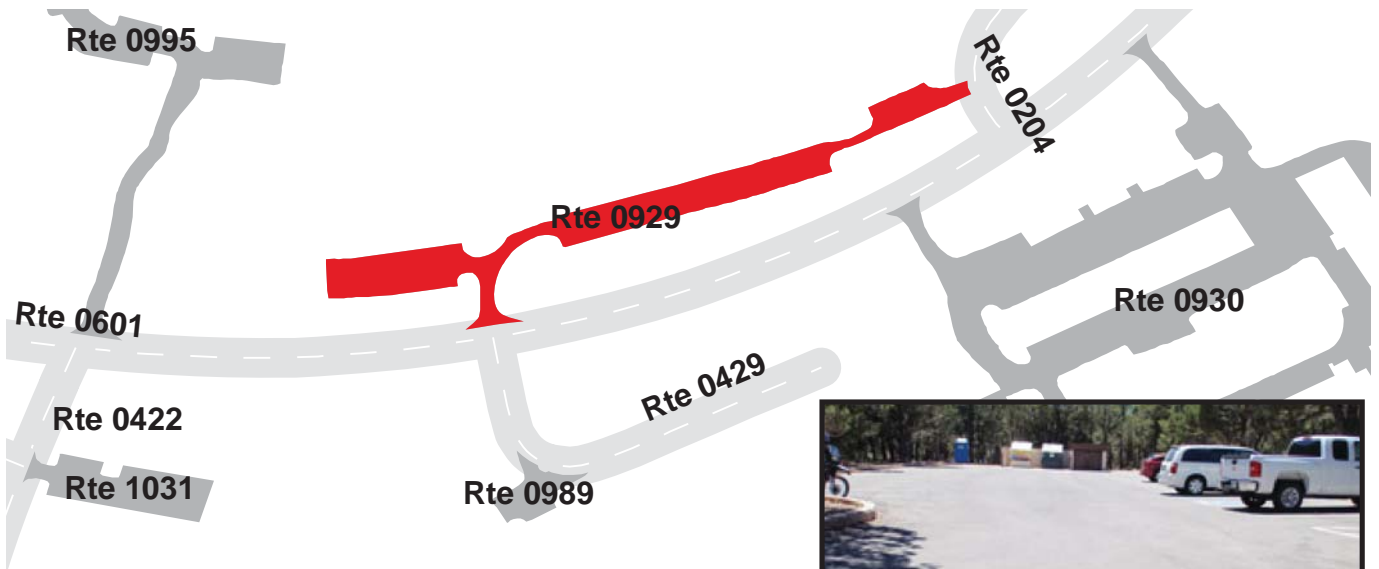
Route 0929

DORMITORY PARKING

FROM ROUTE 0601 (ALBRIGHT AVENUE)
TO ROUTE 0204 (NPS ACADEMY LOOP ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0929	NONPUBLIC	7/8/2009		36,755	0.63	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	2	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



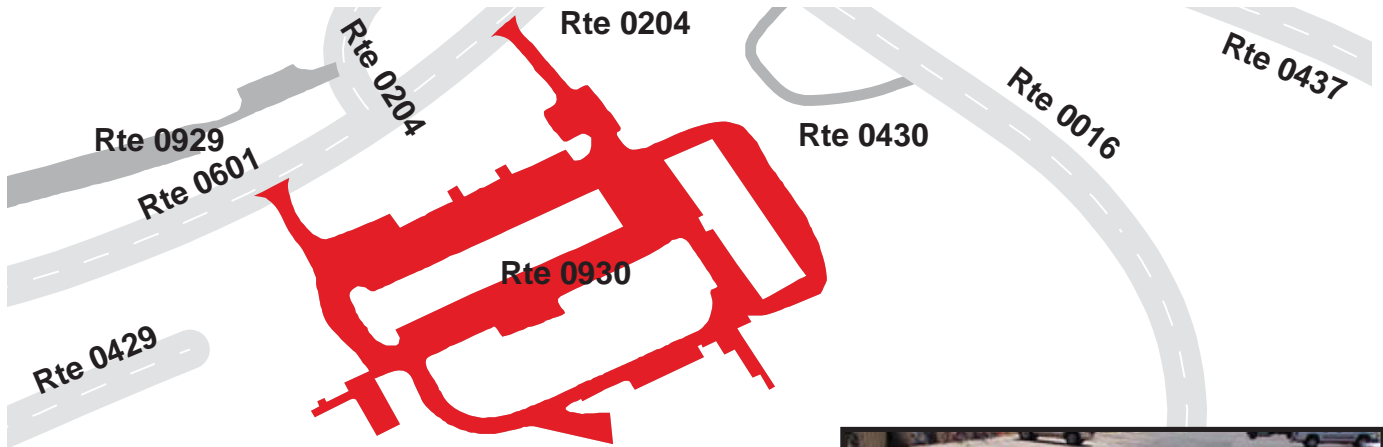
GRAND CANYON NATIONAL PARK

Route 0930

ALBRIGHT MAINTENANCE AREA PARKING
 FROM ROUTE 0601 (ALBRIGHT AVENUE) AT MP 0.49
 TO ROUTE 0601 (ALBRIGHT AVENUE) AT MP 0.57

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0930	NONPUBLIC	7/8/2009		121,601	2.09	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	2	5	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0931

SHUTTLE BUS PARKING

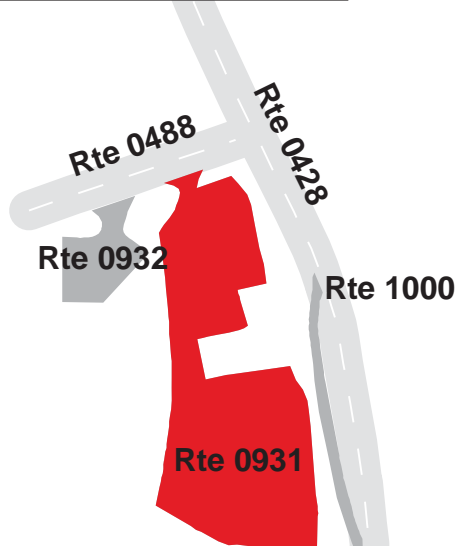
FROM ROUTE 0488 (FIRE STATION ACCESS ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0931	NONPUBLIC	7/7/2009		54,128	0.93	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



Rte 0428



GRAND CANYON NATIONAL PARK

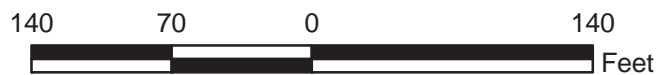
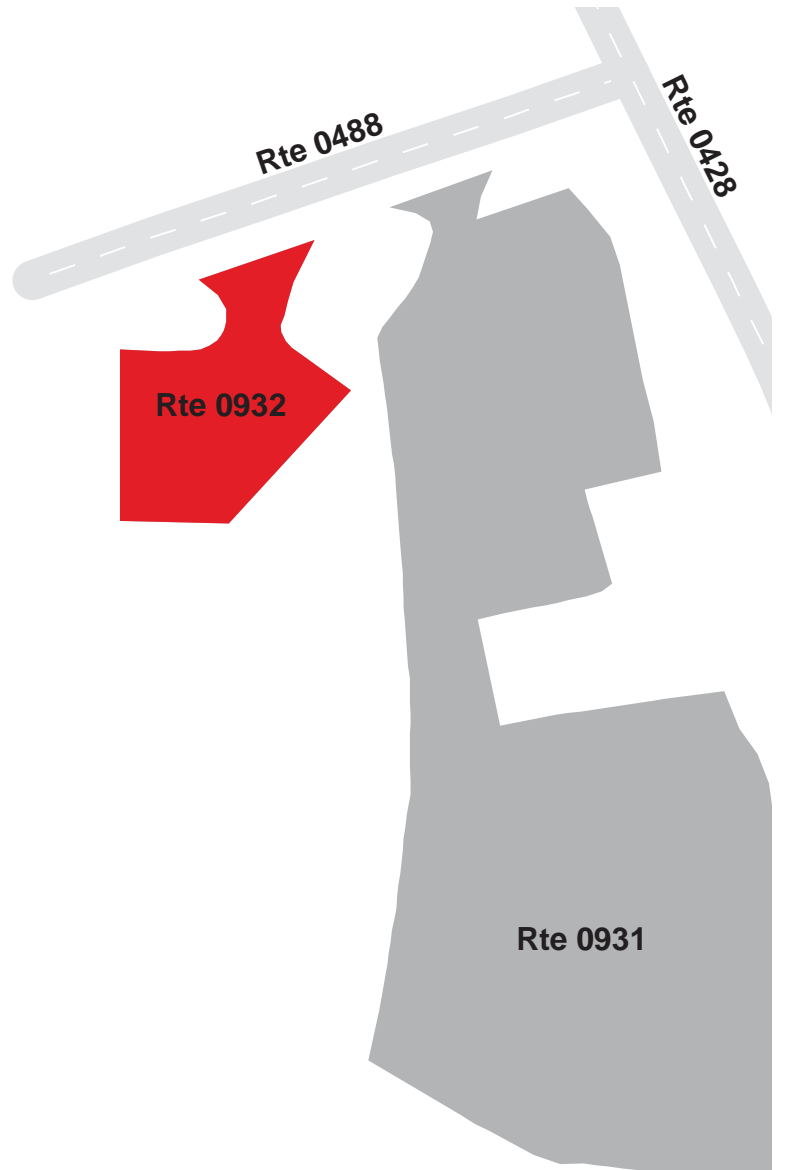
Route 0932

FIRE STATION PARKING

FROM ROUTE 0488 (FIRE STATION ACCESS ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0932	NONPUBLIC	7/7/2009		7,486	0.13	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0933

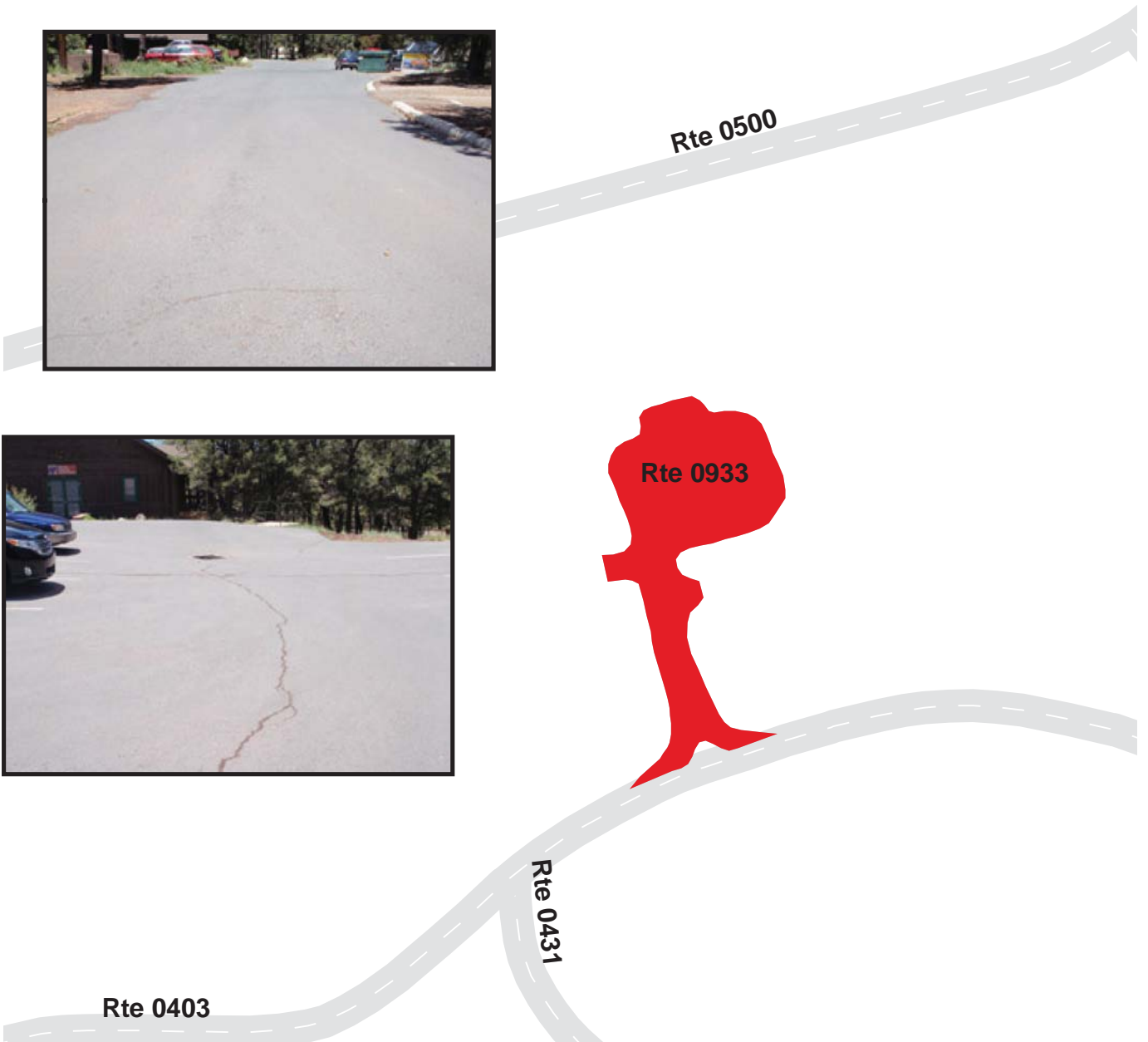
GRAND CANYON ASSOCIATION PARKING

FROM ROUTE 0403 (TONTO STREET)

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0933	PUBLIC	7/8/2009		11,406	0.20	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

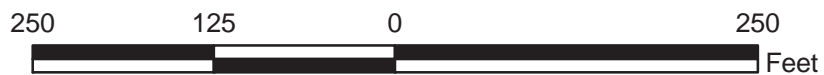
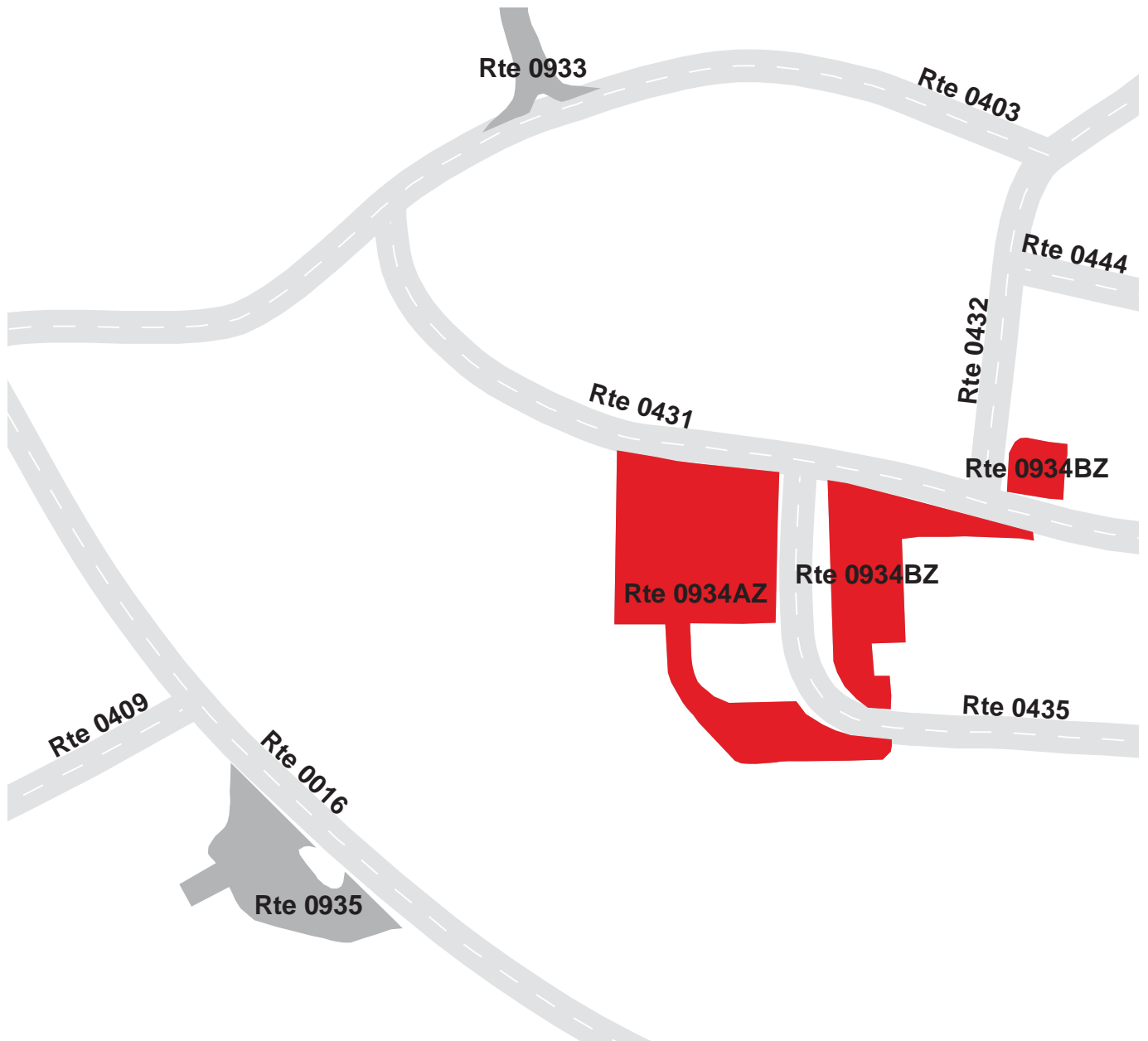
Route 0934ZZ

STABLE PARKING AREAS
ADJACENT TO ROUTE 0431 (JUNIPER HILL)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0934ZZ	NONPUBLIC	7/8/2009		31,512	0.54	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	SUMMARY/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

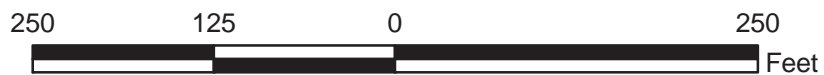
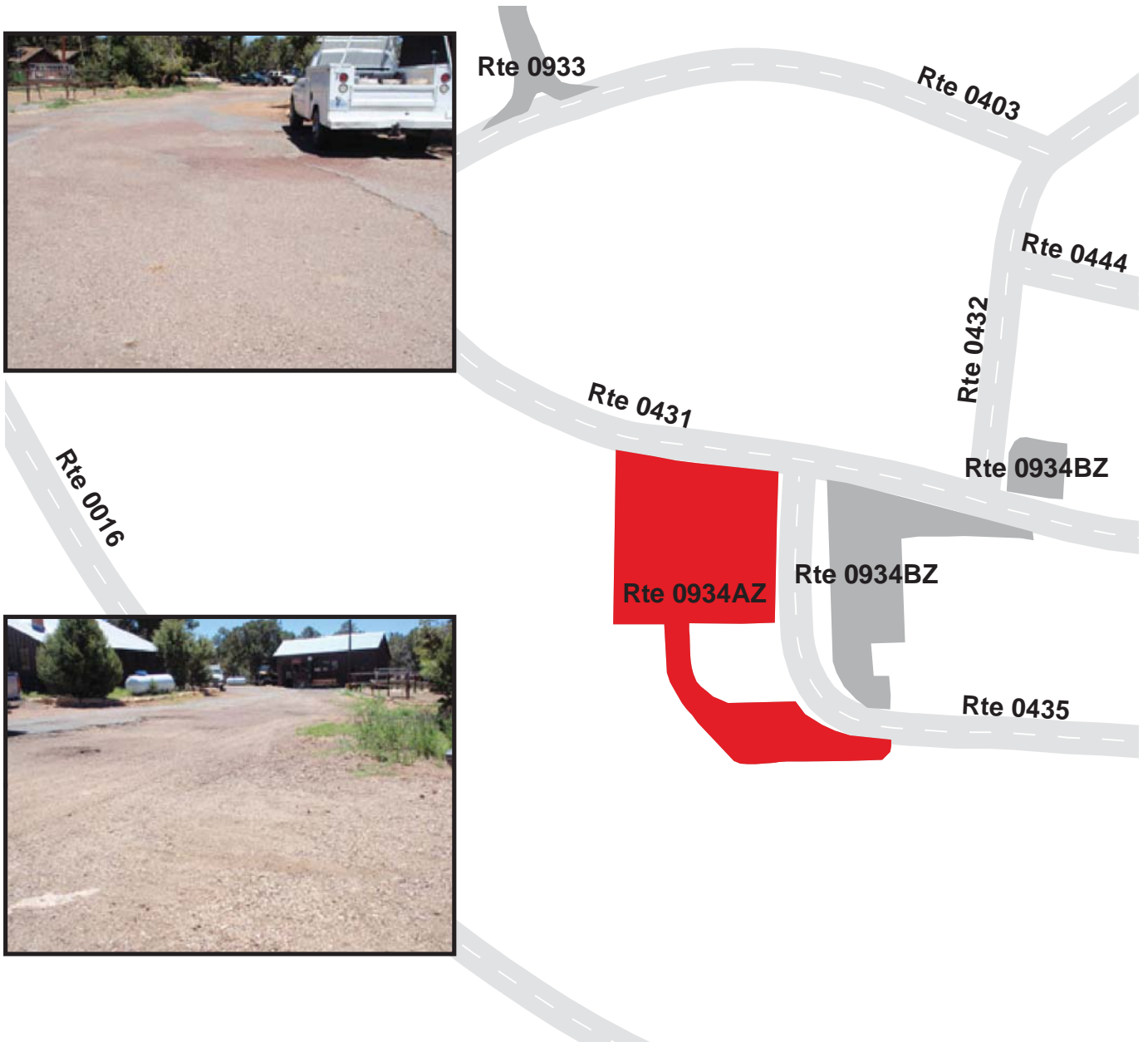
Route 0934AZ

STABLE PARKING AREA A
 FROM ROUTE 0431 (JUNIPER HILL)
 TO ROUTE 0435 (SUNSET DRIVE)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0934AZ	NONPUBLIC	7/8/2009		20,372	0.35	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0934BZ

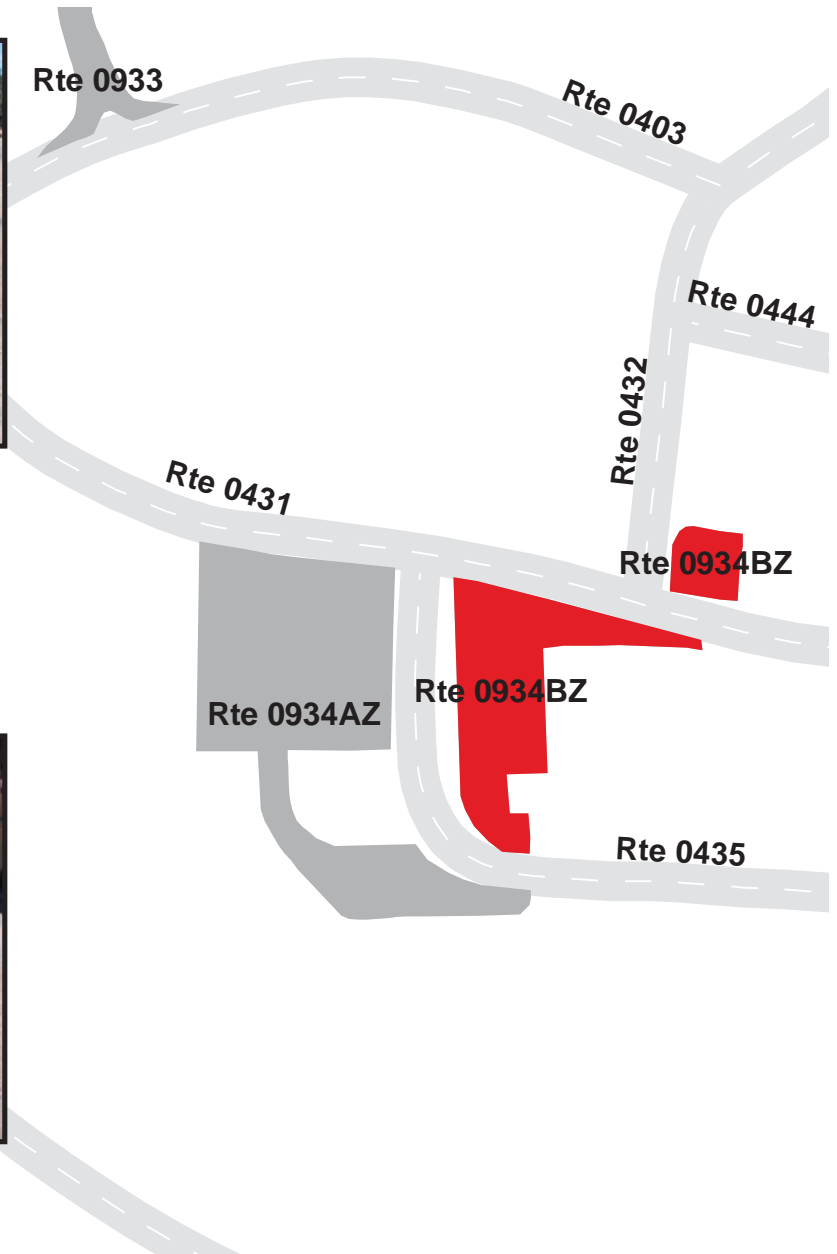
STABLE PARKING AREA B

ADJACENT TO ROUTE 0435 (SUNSET DRIVE) ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0934BZ	NONPUBLIC	7/8/2009		11,140	0.19	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0935

SCHOOL BUS PARKING

FROM ROUTE 0016 (CENTER ROAD) AT MP 1.43

TO ROUTE 0016 (CENTER ROAD) AT MP 1.46

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0935	NONPUBLIC	7/8/2009		8,617	0.15	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0937ZZ

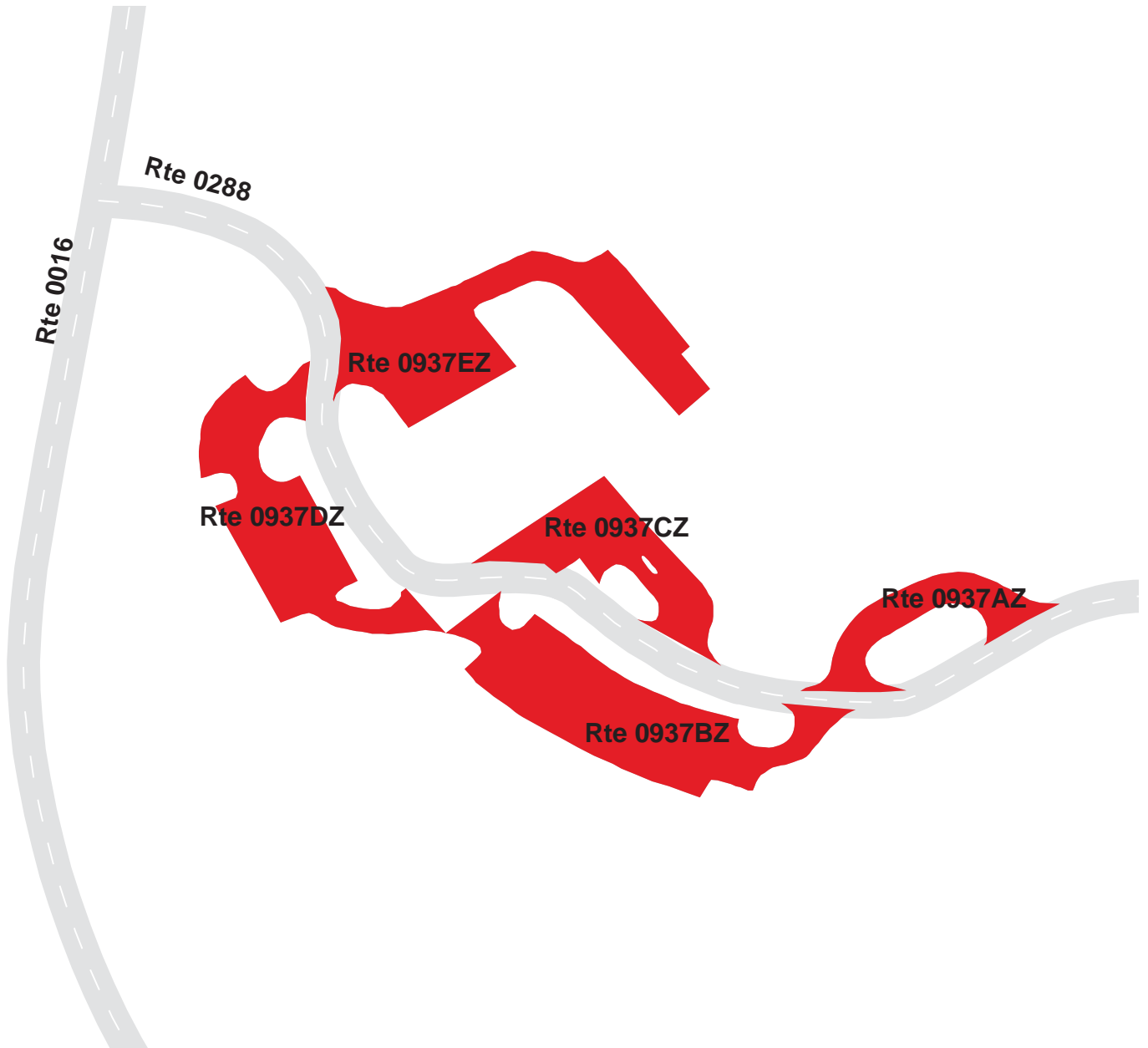
CLINIC EMS PARKING AREAS

FROM ROUTE 0288 (CLINIC ACCESS ROAD) ON LEFT AND RIGHT
TO PARKING

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0937ZZ	PUBLIC	7/8/2009		59,747	1.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	1	1	NO CURB AND GUTTER	CONCRETE & STONE CURB	SUMMARY/88.79

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

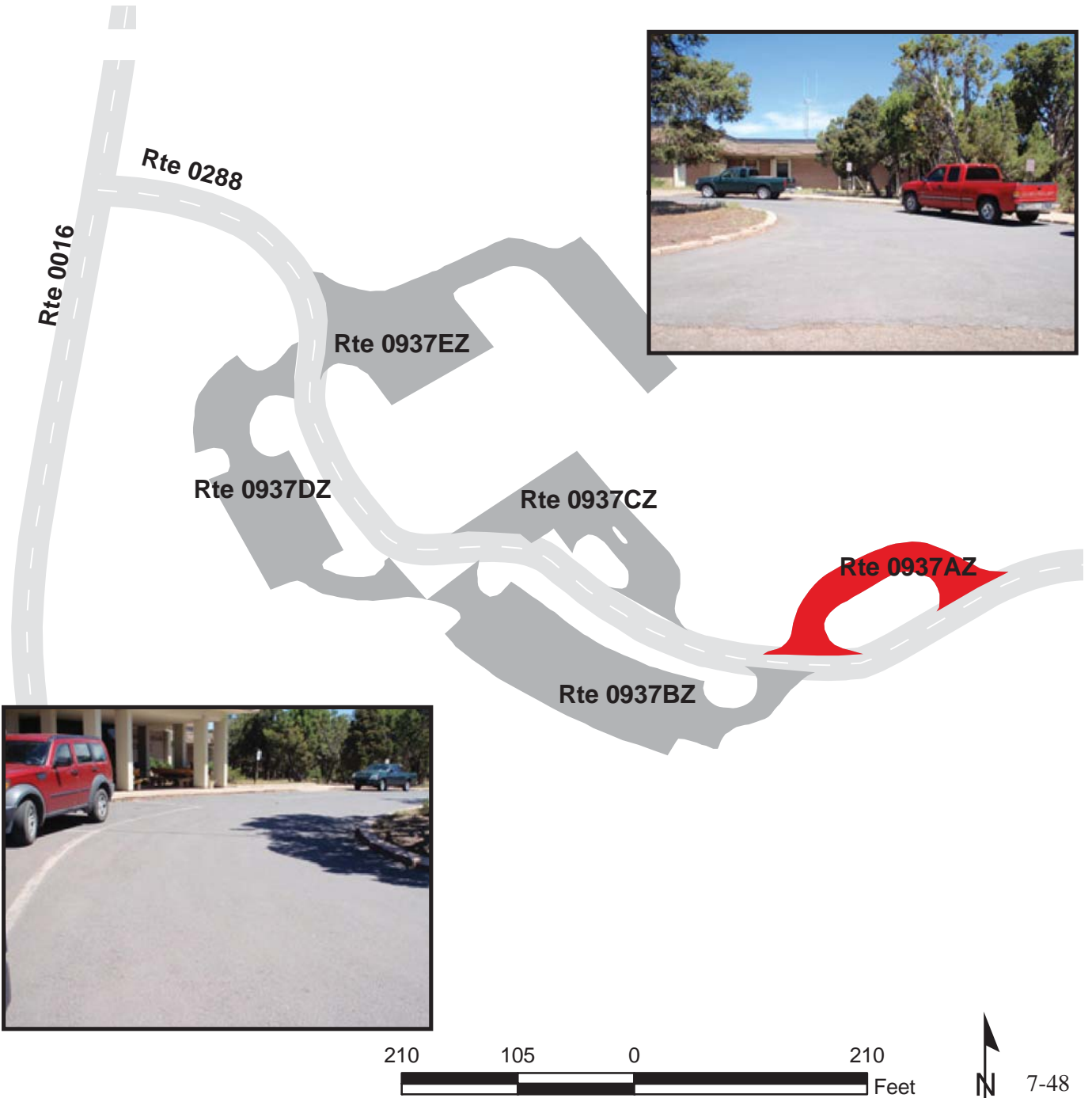
Route 0937AZ

CLINIC EMS PARKING A
 FROM ROUTE 0288 (CLINIC ACCESS ROAD)
 TO ROUTE 0288 (CLINIC ACCESS ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0937AZ	PUBLIC	7/8/2009		5,461	0.09	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0937BZ

PRIVATE RESIDENCE AND CLINIC PARKING

FROM ROUTE 0288 (CLINIC ACCESS ROAD)

TO ROUTE 0288 (CLINIC ACCESS ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0937BZ	PUBLIC	7/8/2009		16,445	0.28	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE & STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

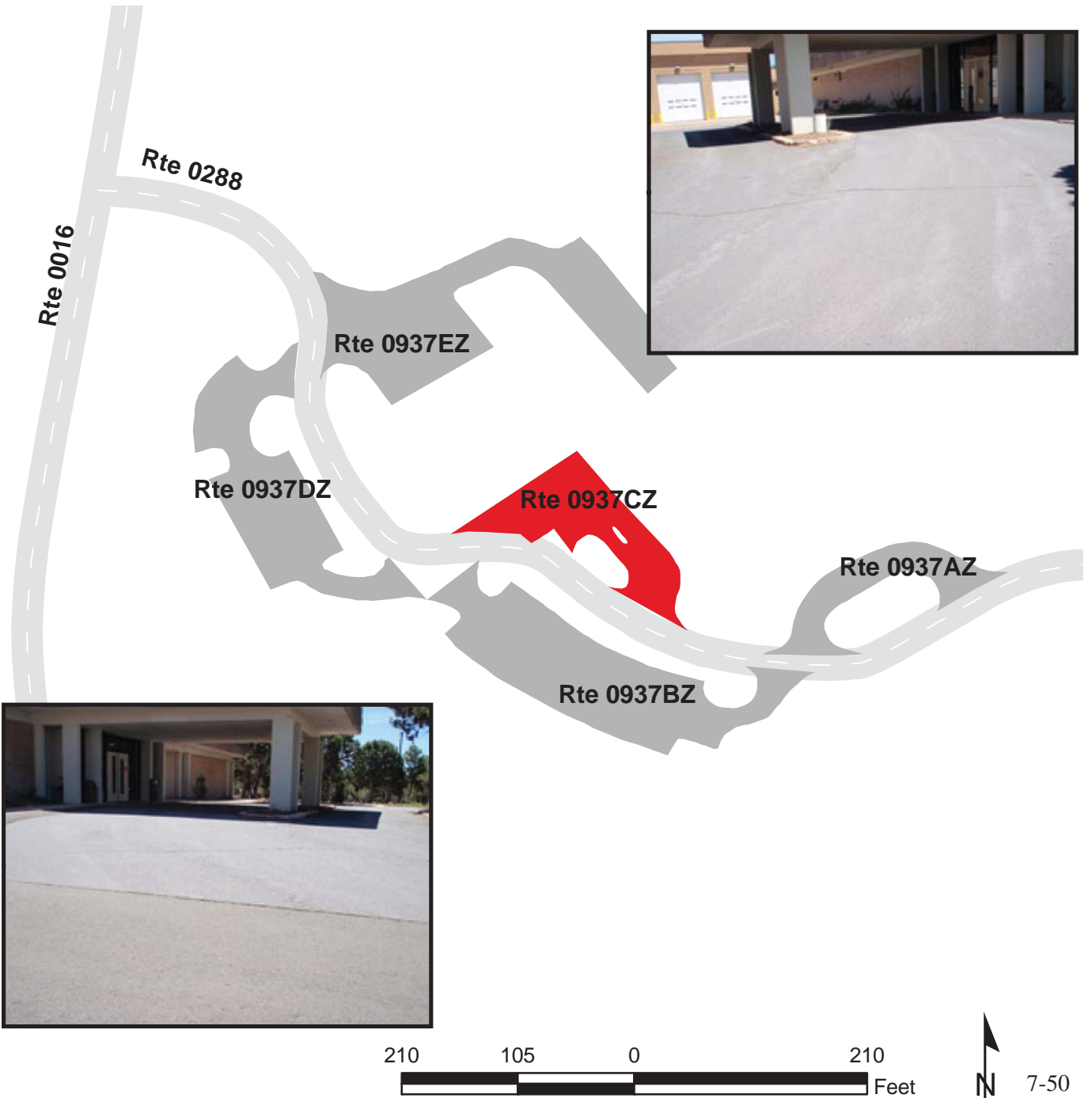
Route 0937CZ

AMBULANCE PARKING
FROM ROUTE 0288 (CLINIC ACCESS ROAD)
TO PARKING

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0937CZ	PUBLIC	7/8/2009		8,273	0.14	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0937DZ

CLINIC EMS PARKING D

FROM ROUTE 0937BZ (PRIVATE RESIDENCE AND CLINIC PARKING)

TO ROUTE 0288 (CLINIC ACCESS ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0937DZ	PUBLIC	7/8/2009		12,927	0.22	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

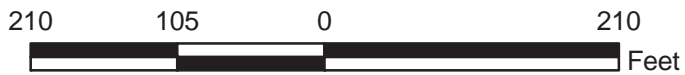
Route 0937EZ

CLINIC EMS PARKING E
 FROM ROUTE 0288 (CLINIC ACCESS ROAD)
 TO PARKING

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0937EZ	PUBLIC	7/8/2009		16,641	0.29	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	1	0	NO CURB AND GUTTER	CONCRETE & STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0938

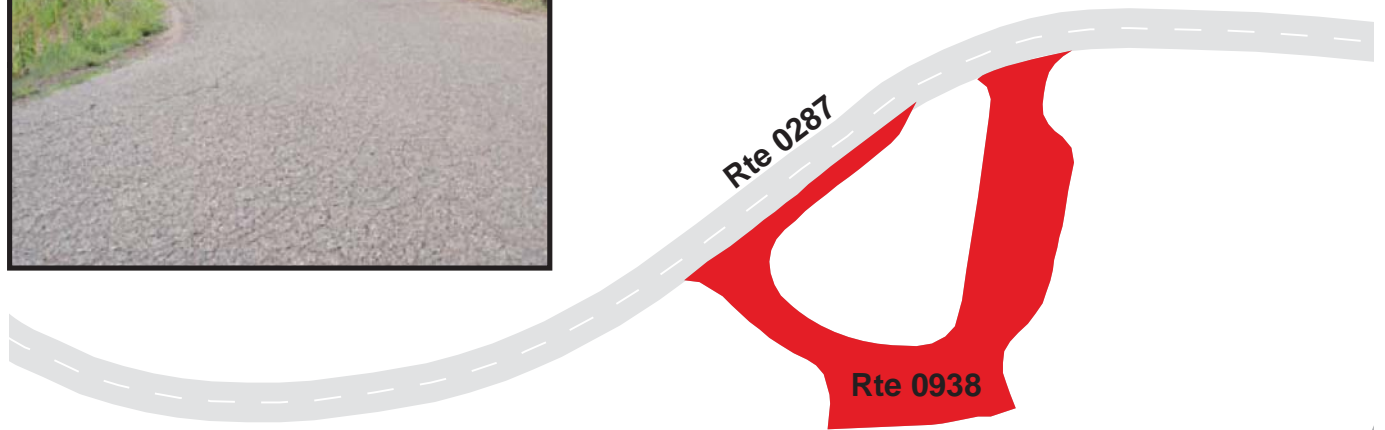
MAINTENANCE PARKING

FROM ROUTE 0287 (ROUTE 0160 ACCESS ROAD) AT MP 0.22

TO ROUTE 0287 (ROUTE 0160 ACCESS ROAD) AT MP 0.25

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0938	NONPUBLIC	7/9/2009		9,719	0.17	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0939

WASTEWATER TREATMENT AREA
FROM ROUTE 0427 (KENNELS ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0939	NONPUBLIC	7/9/2009		38,764	0.67	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	2	1	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0940

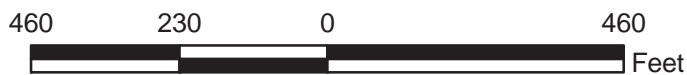
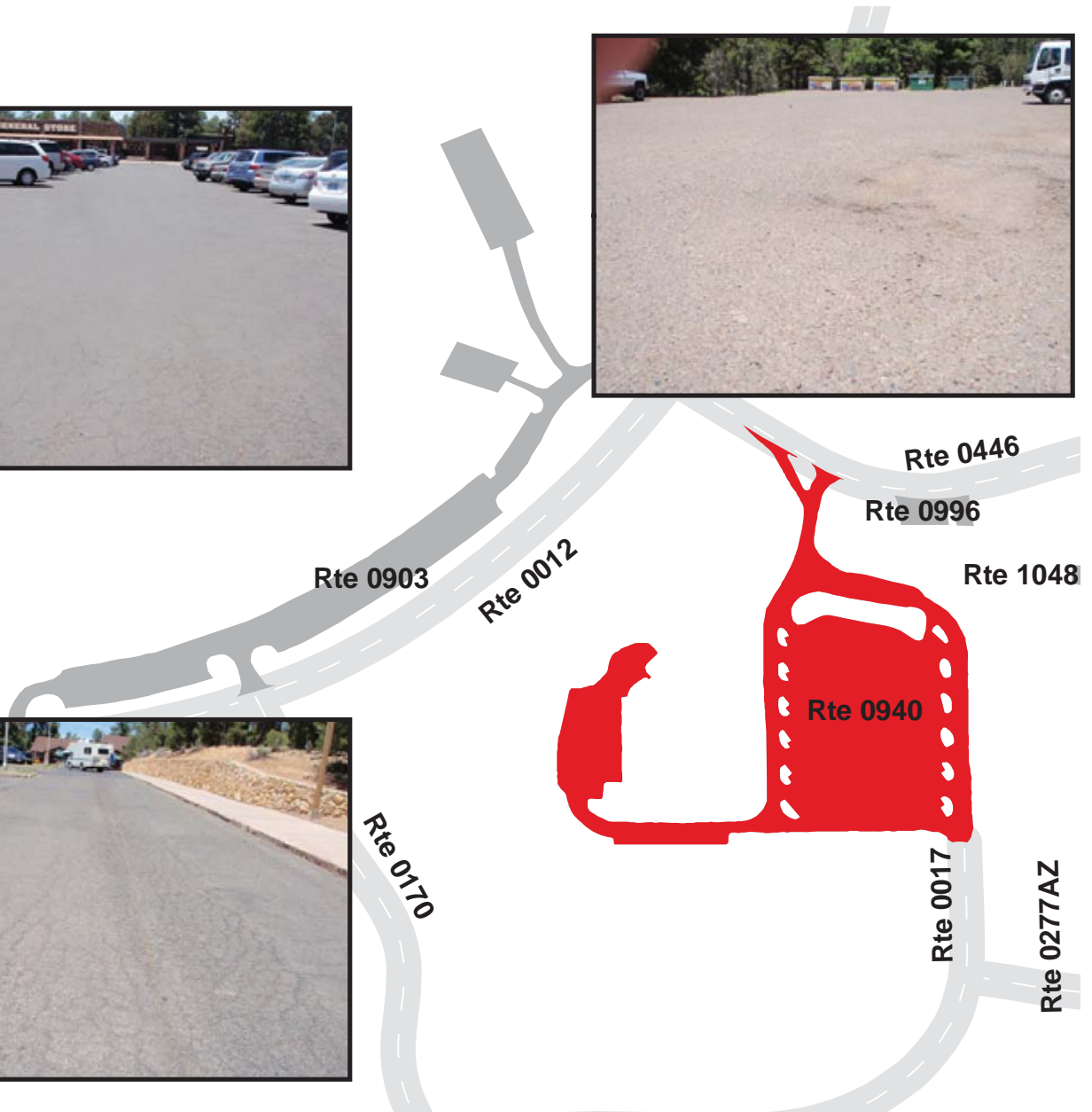
BUSINESS CENTER PARKING

FROM ROUTE 0446 (WEST SHUTTLE ACCESS ROAD)

TO ROUTE 0017 (MARKET PLAZA ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0940	PUBLIC	7/8/2009		148,337	2.55	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	2	0	2	NO CURB AND GUTTER	STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



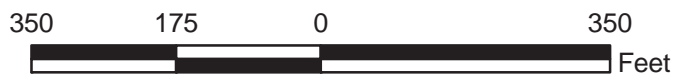
GRAND CANYON NATIONAL PARK

Route 0941

MATHER CAMPGROUND SERVICES PARKING
FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0941	PUBLIC	7/10/2009		28,368	0.49	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	2	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0942

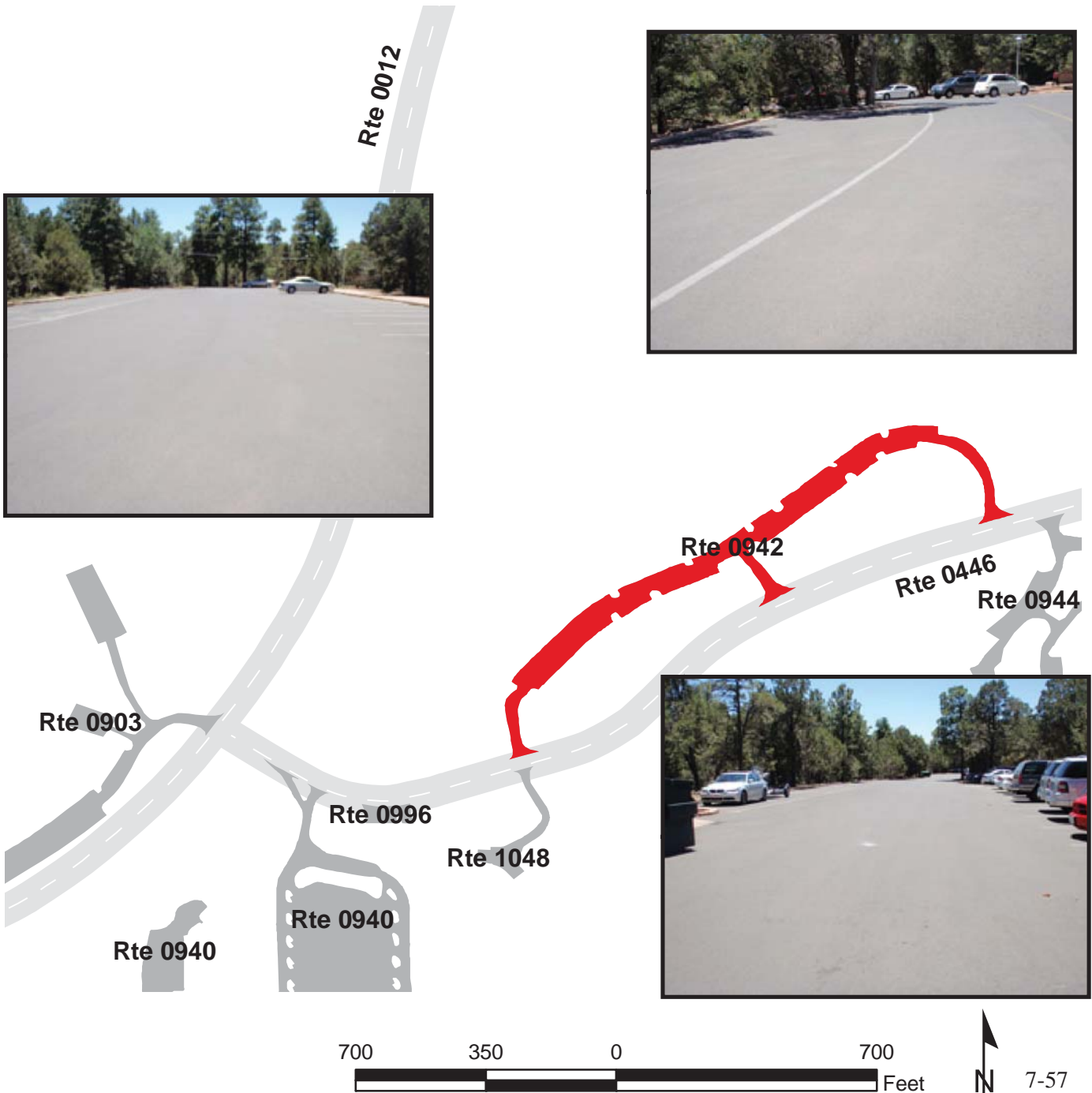
YAVAPAI EAST PARKING

FROM ROUTE 0446 (WEST SHUTTLE ACCESS ROAD) AT MP 0.13

TO ROUTE 0446 (WEST SHUTTLE ACCESS ROAD) AT MP 0.37

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0942	PUBLIC	7/9/2009		82,463	1.42	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
3	0	0	5	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

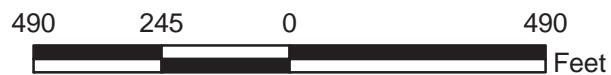
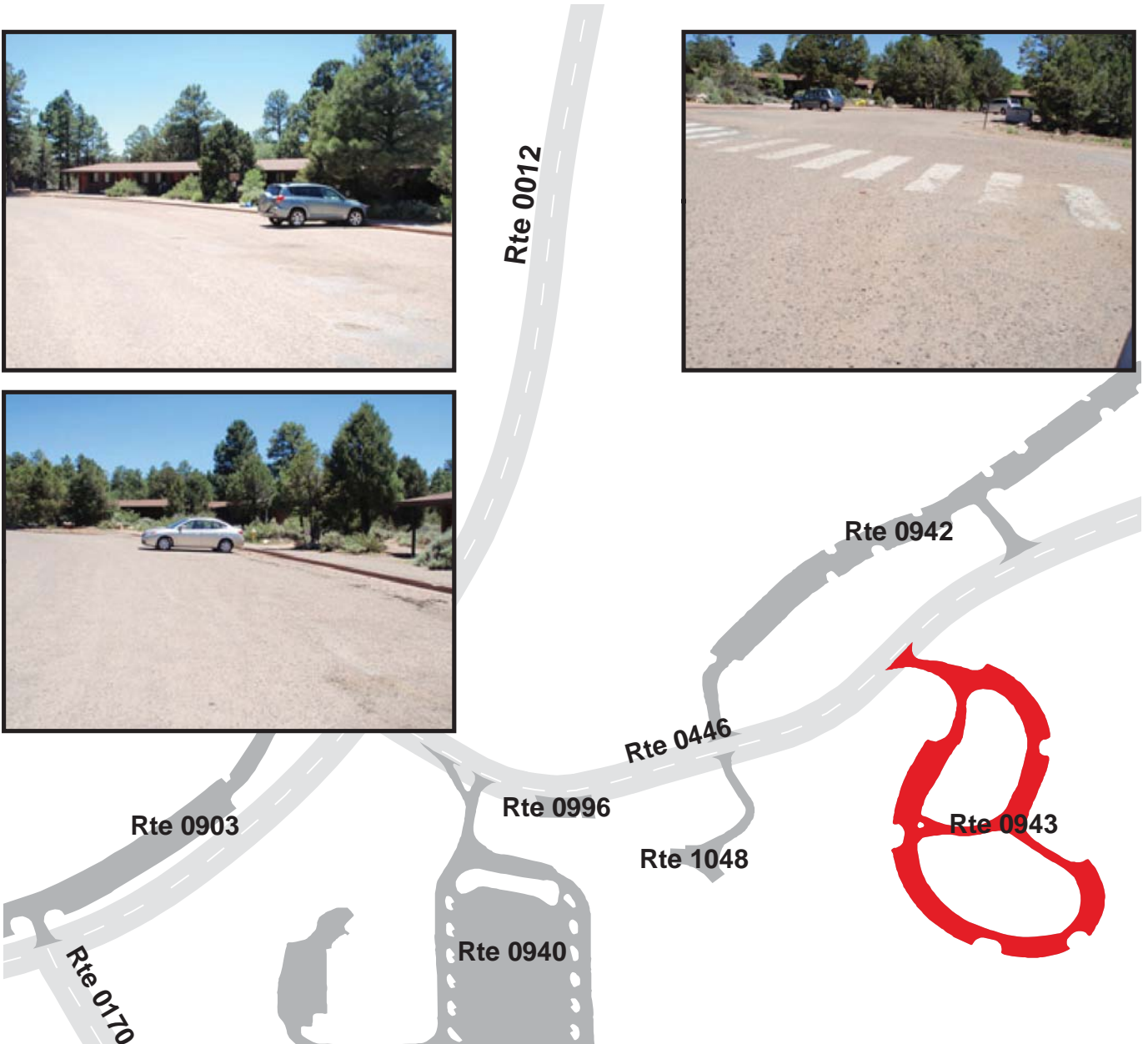
Route 0943

YAVAPAI WEST I PARKING

FROM ROUTE 0446 (WEST SHUTTLE ACCESS ROAD) ON RIGHT
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0943	PUBLIC	7/9/2009		71,873	1.24	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	7	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0944

YAVAPAI WEST II PARKING

FROM ROUTE 0446 (WEST SHUTTLE ACCESS ROAD) ON RIGHT
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0944	PUBLIC	7/9/2009		55,697	0.96	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	5	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

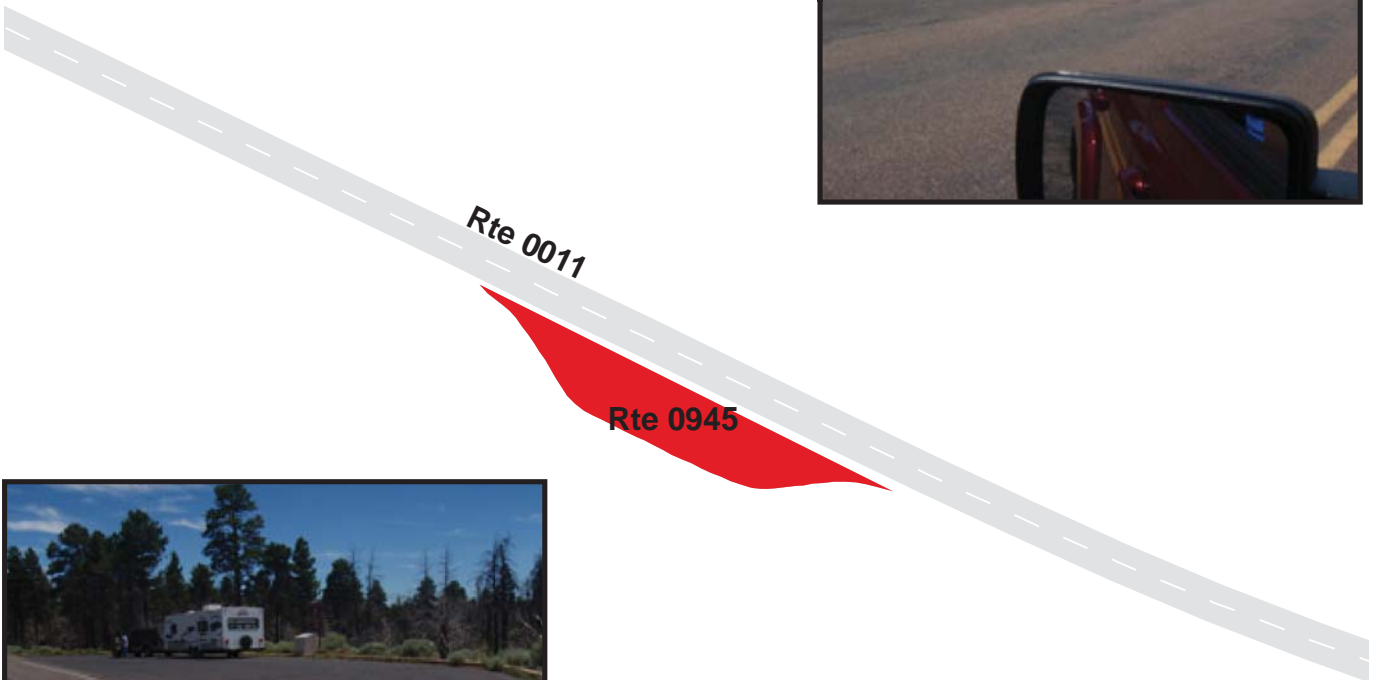
Route 0945

PARKING AT MP 0.14

ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 0.14

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0945	PUBLIC	7/8/2009		5,597	0.10	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

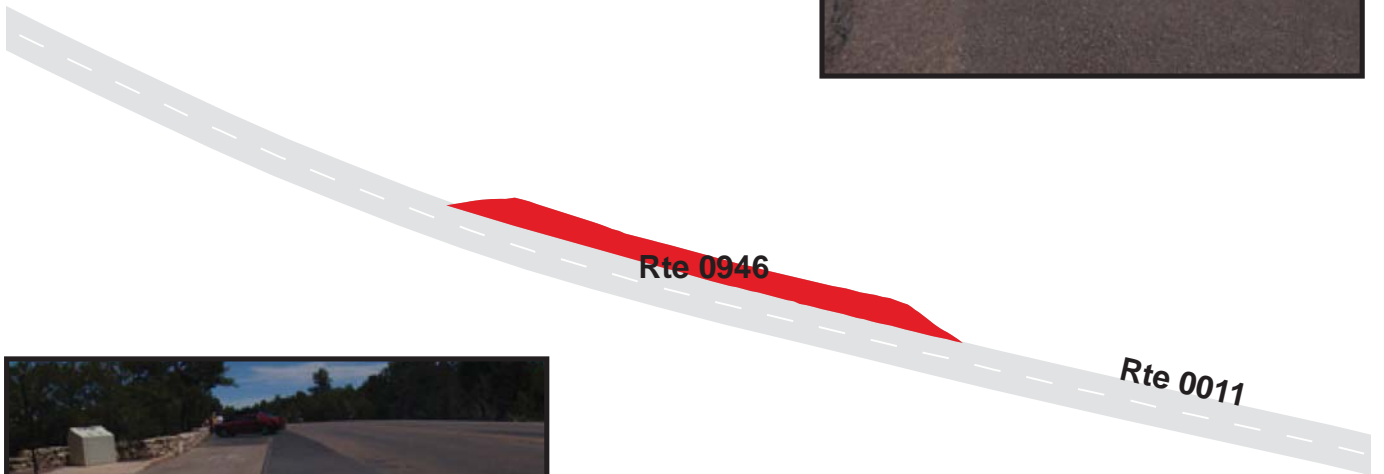
Route 0946

PIPE CREEK PARKING 1

ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 0.70

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0946	PUBLIC	7/8/2009		8,187	0.14	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

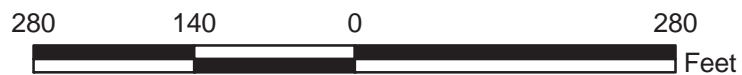
Route 0947

PIPE CREEK PARKING 2

ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 0.87

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0947	PUBLIC	7/8/2009		6,396	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

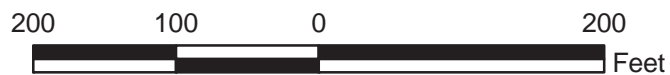
Route 0948

YAKI POINT PARKING

ADJACENT TO ROUTE 0262 (YAKI POINT ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0948	PUBLIC	7/10/2009		5,238	0.09	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



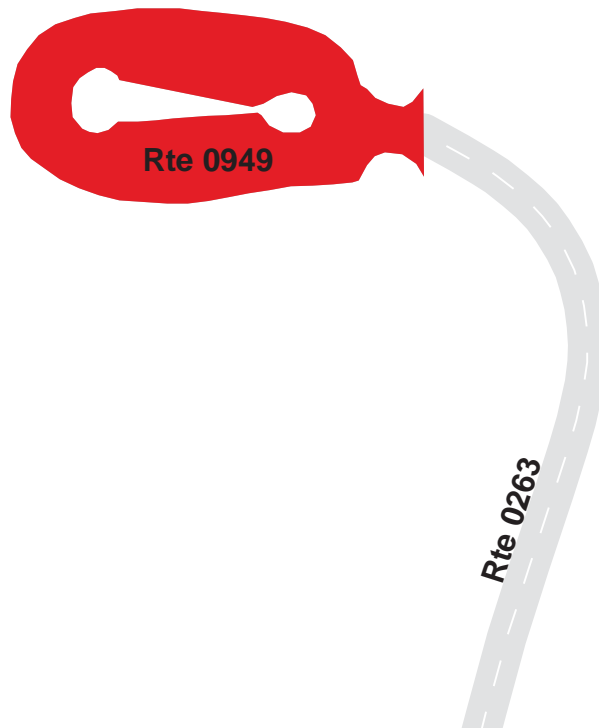
GRAND CANYON NATIONAL PARK

Route 0949

KAIBAB TRAIL SERVICE ROAD PARKING
 FROM END OF ROUTE 0263 (KAIBAB TRAIL ACCESS ROAD)
 TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0949	PUBLIC	7/10/2009		21,330	0.37	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



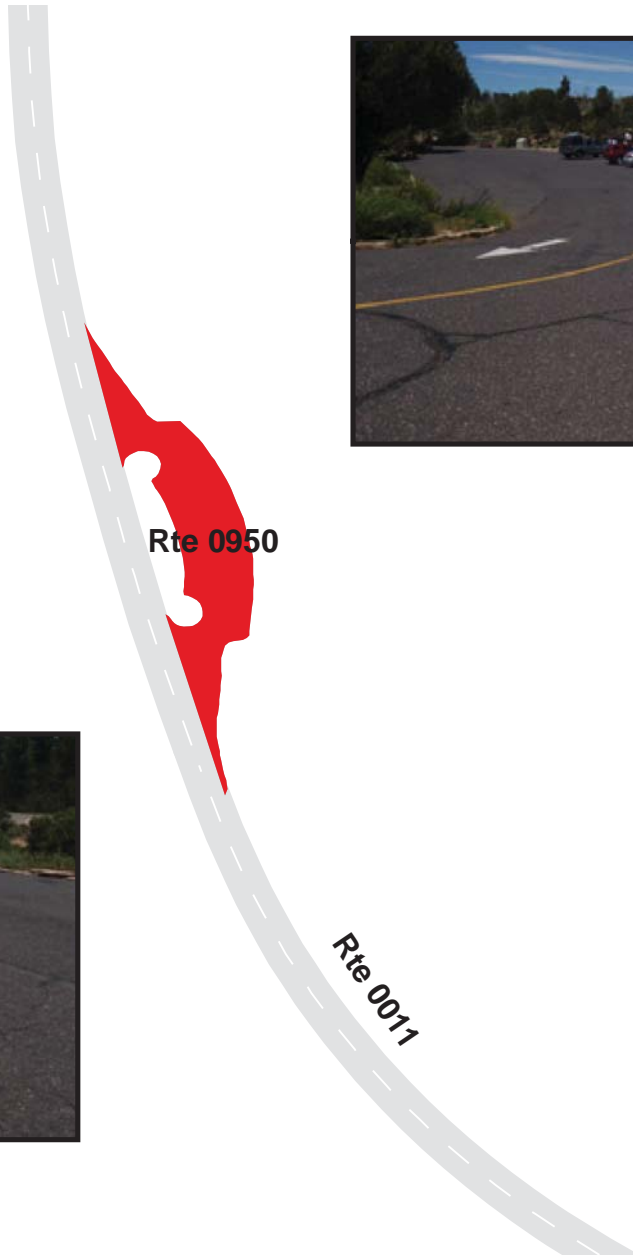
GRAND CANYON NATIONAL PARK

Route 0950

DUCK-ON-A-ROCK OVERLOOK PARKING
 FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 3.91
 TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 4.00

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0950	PUBLIC	7/8/2009		23,141	0.40	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

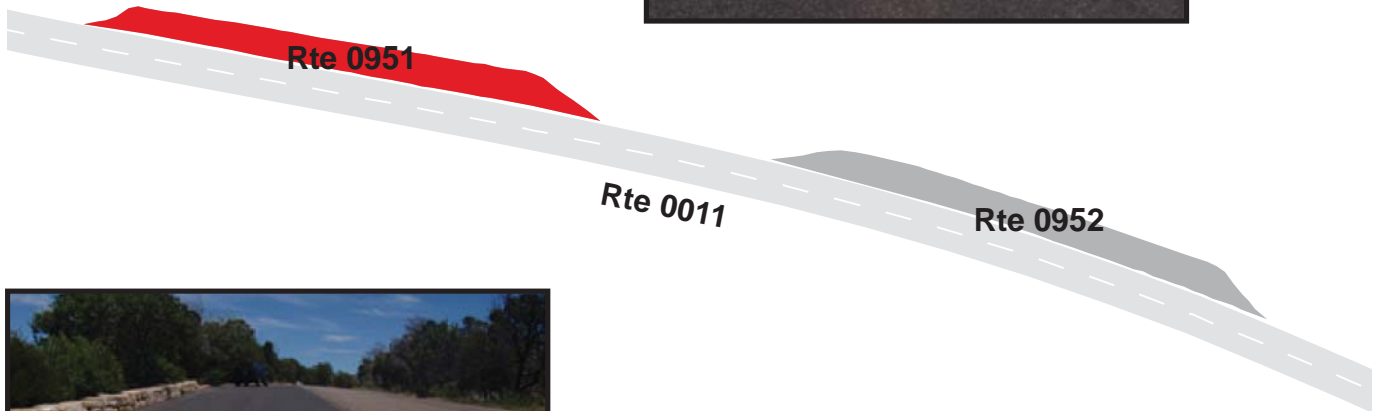
Route 0951

TWIN OVERLOOK PARKING 1

ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 4.79

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0951	PUBLIC	7/8/2009		5,923	0.10	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

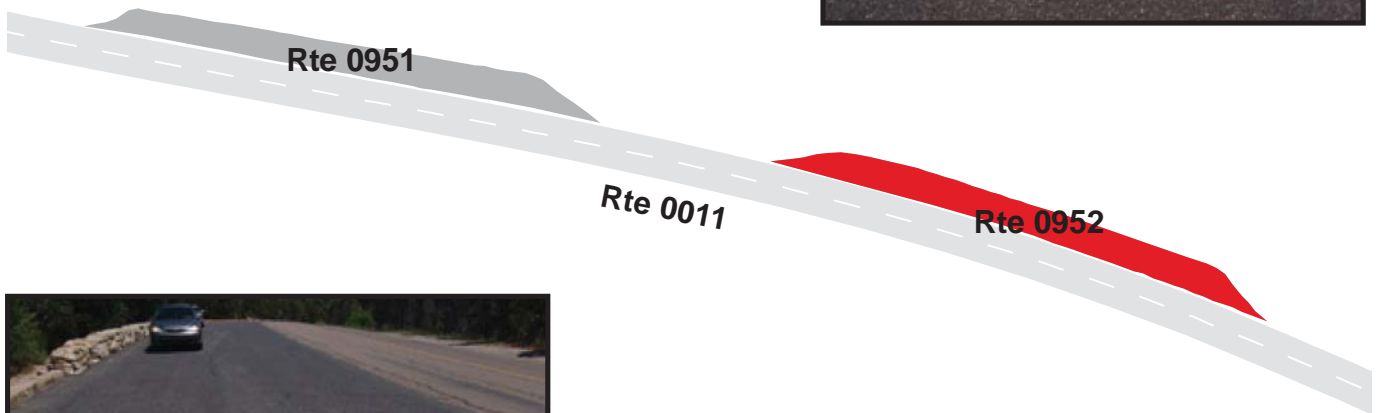
Route 0952

TWIN OVERLOOK PARKING 2

ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 4.87

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0952	PUBLIC	7/8/2009		5,948	0.10	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



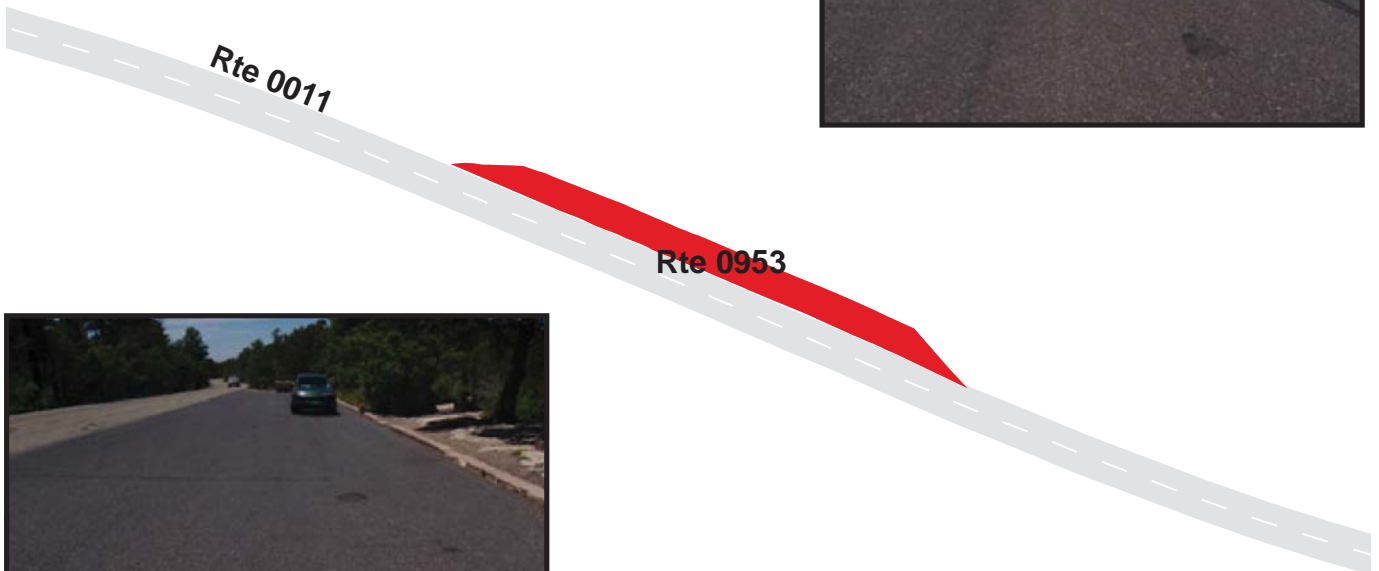
GRAND CANYON NATIONAL PARK

Route 0953

THOR'S HAMMER OVERLOOK PARKING
 ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 6.61

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0953	PUBLIC	7/8/2009		11,010	0.19	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

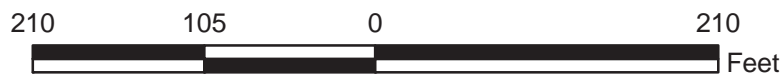
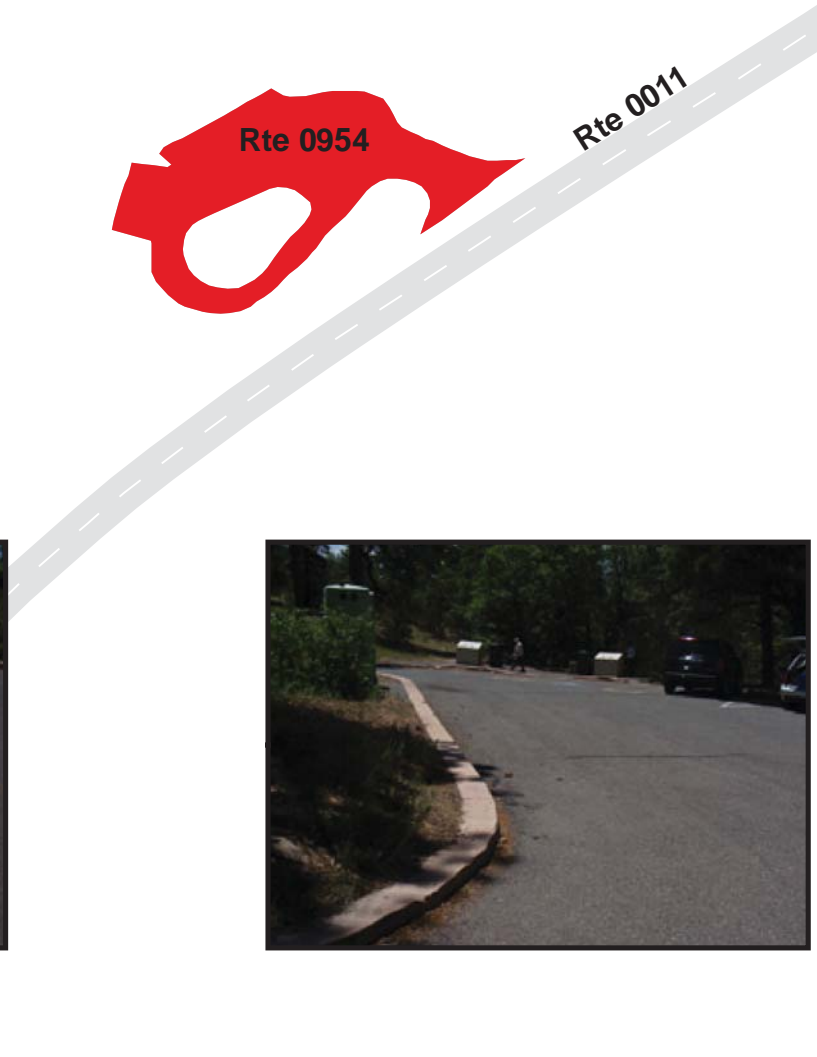
Route 0954

BUGGELN PICNIC AREA

FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 12.12
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0954	PUBLIC	7/8/2009		11,485	0.20	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0955

NO-NAME POINT PARKING

FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 19.61

TO ROUTE 0011 (DESERT VIEW DRIVE) AT MP 19.67

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0955	PUBLIC	7/8/2009		14,513	0.25	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

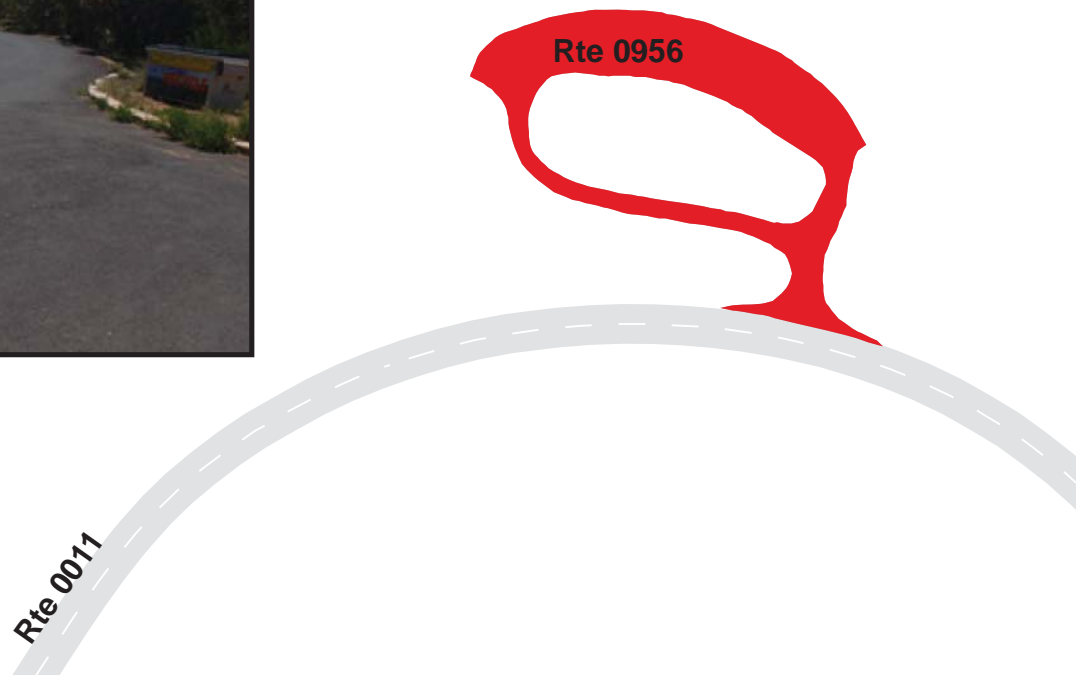
Route 0956

NAVAJO POINT PARKING

FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 21.06
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0956	PUBLIC	7/8/2009		26,140	0.45	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0958

DESERT VIEW GAS STATION

FROM ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)

TO ROUTE 0270 (DESERT VIEW CAMPGROUND)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0958	PUBLIC	7/10/2009		25,019	0.43	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0959

DESERT VIEW RANGER AND MAINTENANCE PARKING

FROM ROUTE 0461AZ (CEDAR MOUNTAIN ROAD)

TO ROUTE 0492 (DESERT VIEW MAINTENANCE / RANGER STATION ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0959	PUBLIC	7/10/2009		3,178	0.06	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0960

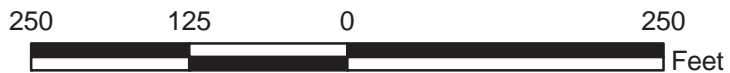
NORTH RIM ENTRANCE PARKING

FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 0.18

TO ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 0.23

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0960	PUBLIC	7/11/2009		6,677	0.12	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0961

NORTH RIM FOREST PARKING (PICNIC AREA)

FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 4.04

TO ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 4.09

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0961	PUBLIC	7/11/2009		10,440	0.18	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0963

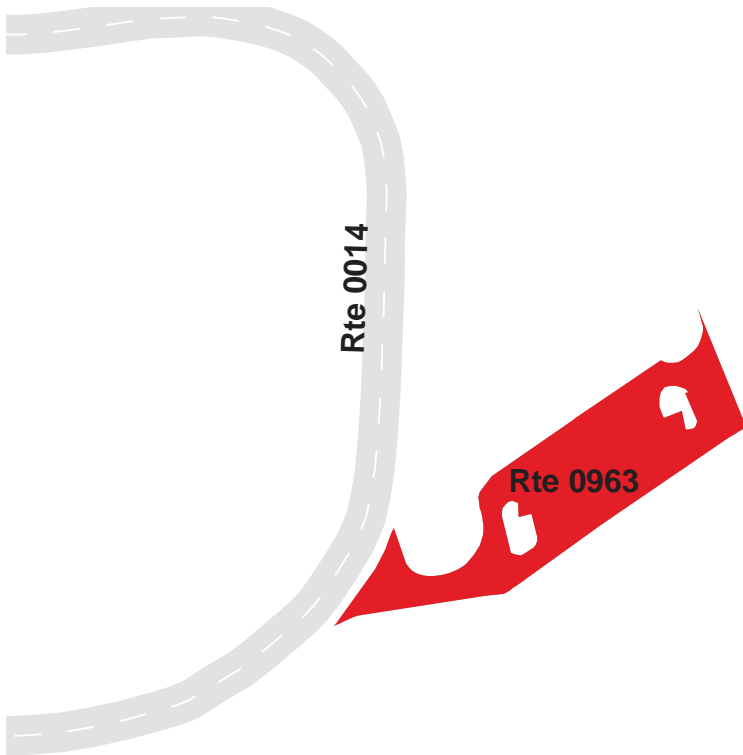
KAIBAB TRAILHEAD PARKING

FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 10.77

TO ROUTE 0406 (MULE CORRAL & MAINTENANCE AREA)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0963	PUBLIC	7/11/2009		25,941	0.45	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0965ZZ

GRAND CANYON LODGE PARKING AREAS
 FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))
 TO PARKING
 Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0965ZZ	PUBLIC	7/10/2009		160,155	2.76	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	3	0	2	NO CURB AND GUTTER	STONE CURB	SUMMARY/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0965Z

NORTH RIM VISITOR CENTER PARKING

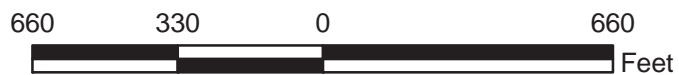
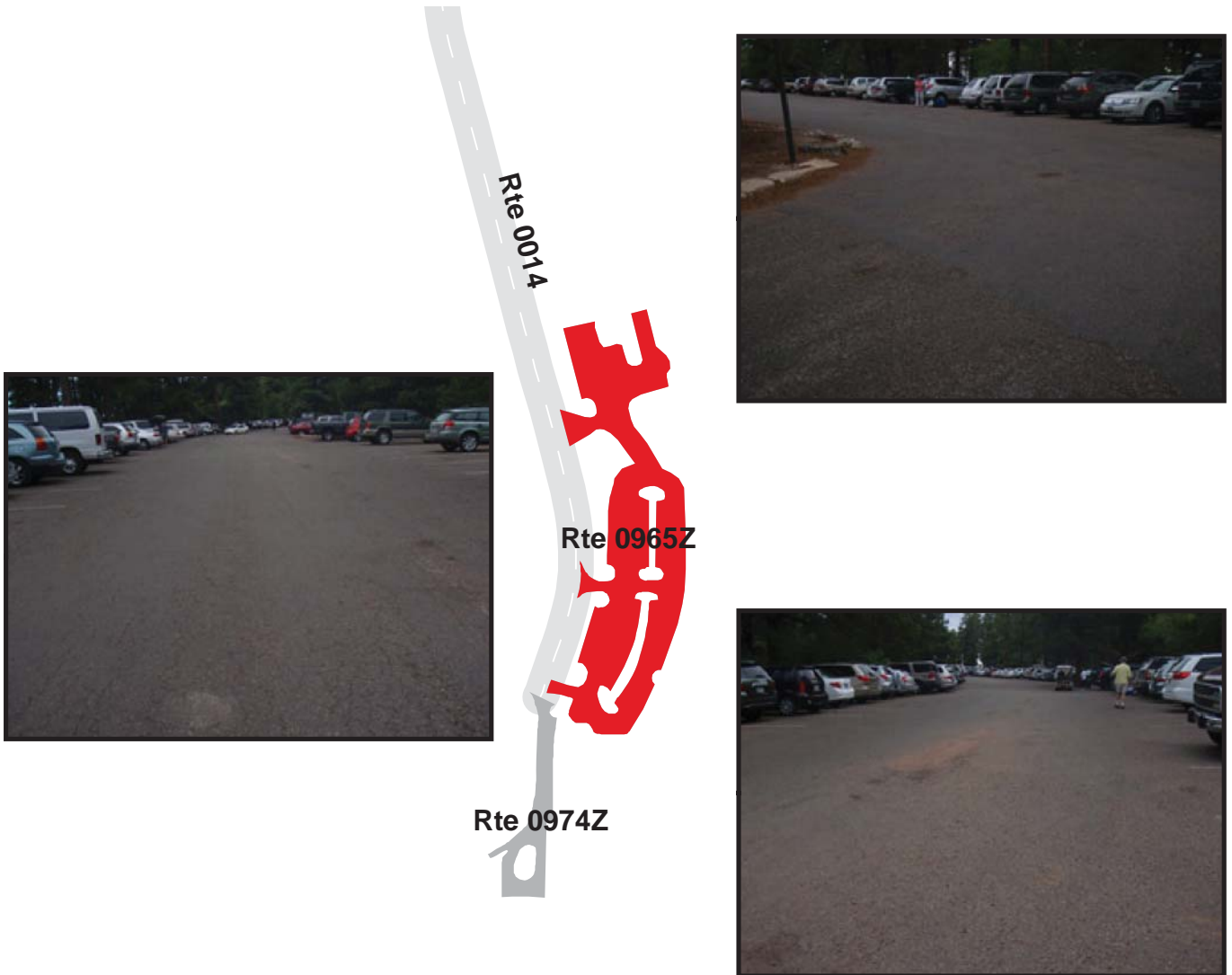
FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 12.70

TO PARKING

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0965Z	PUBLIC	7/10/2009		136,799	2.36	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0974Z

GRAND CANYON LODGE PARKING

FROM END OF ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))

TO PARKING

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0974Z	PUBLIC	7/10/2009		23,355	0.40	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	3	0	2	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0966

MIXED BLESSINGS PARKING

FROM ROUTE 0013 (CAPE ROYAL ROAD) AT MP 3.81

TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 3.85

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0966	PUBLIC	7/11/2009		4,624	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	ASPHALT CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

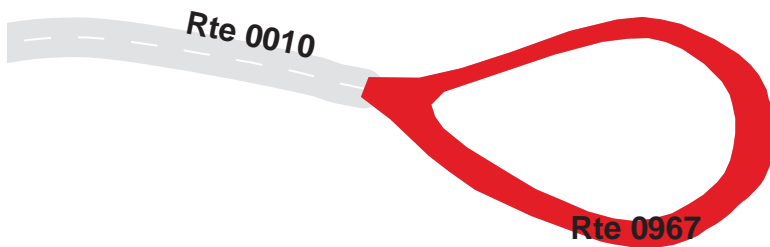
Route 0967

POINT IMPERIAL PARKING

FROM END OF ROUTE 0010 (POINT IMPERIAL ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0967	PUBLIC	7/11/2009		52,450	0.90	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	ASPHALT CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

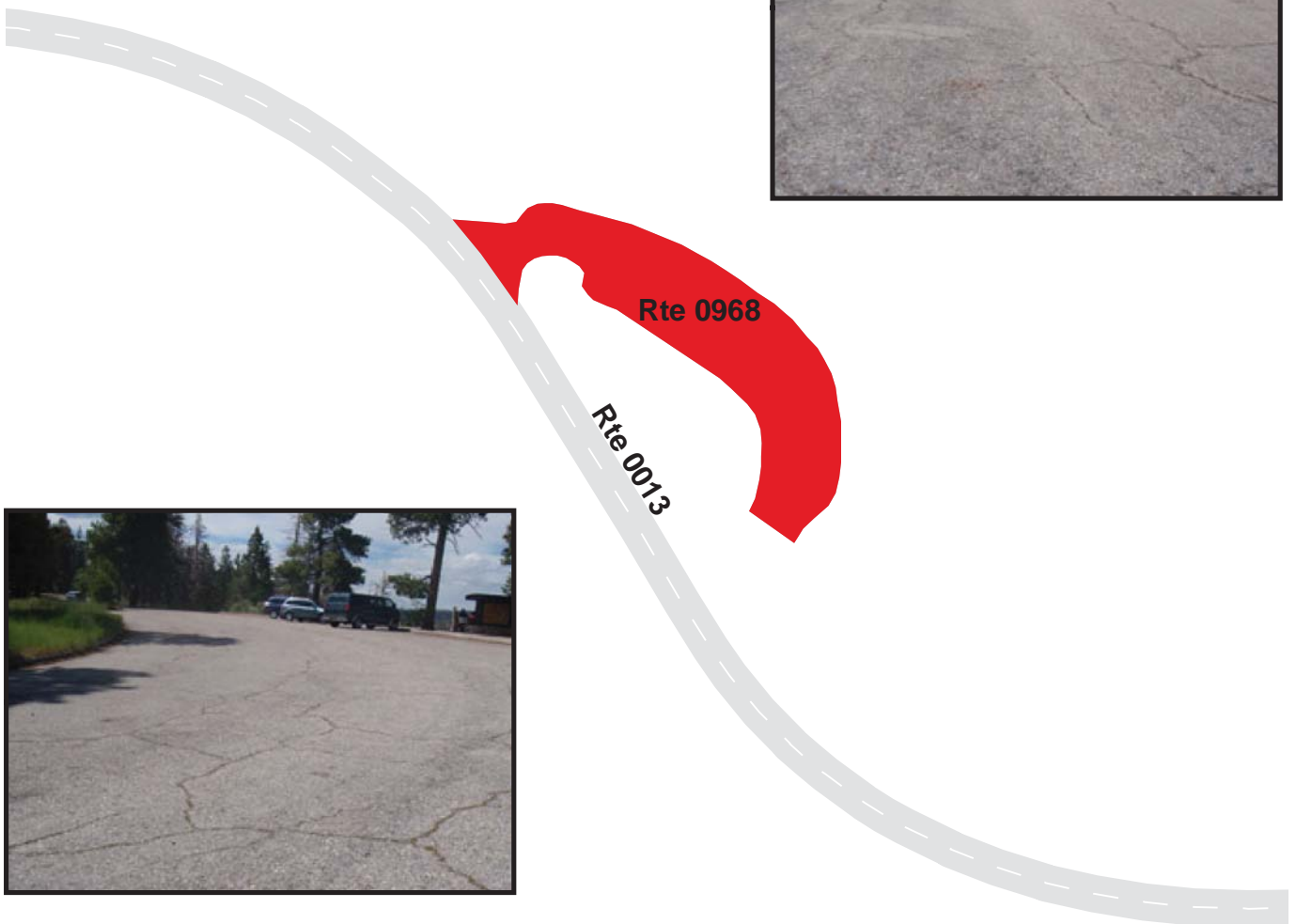
Route 0968

VISTA ENCANTADA/PICNIC AREA

ADJACENT TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 10.13

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0968	PUBLIC	7/11/2009		12,744	0.22	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	ASPHALT CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0969

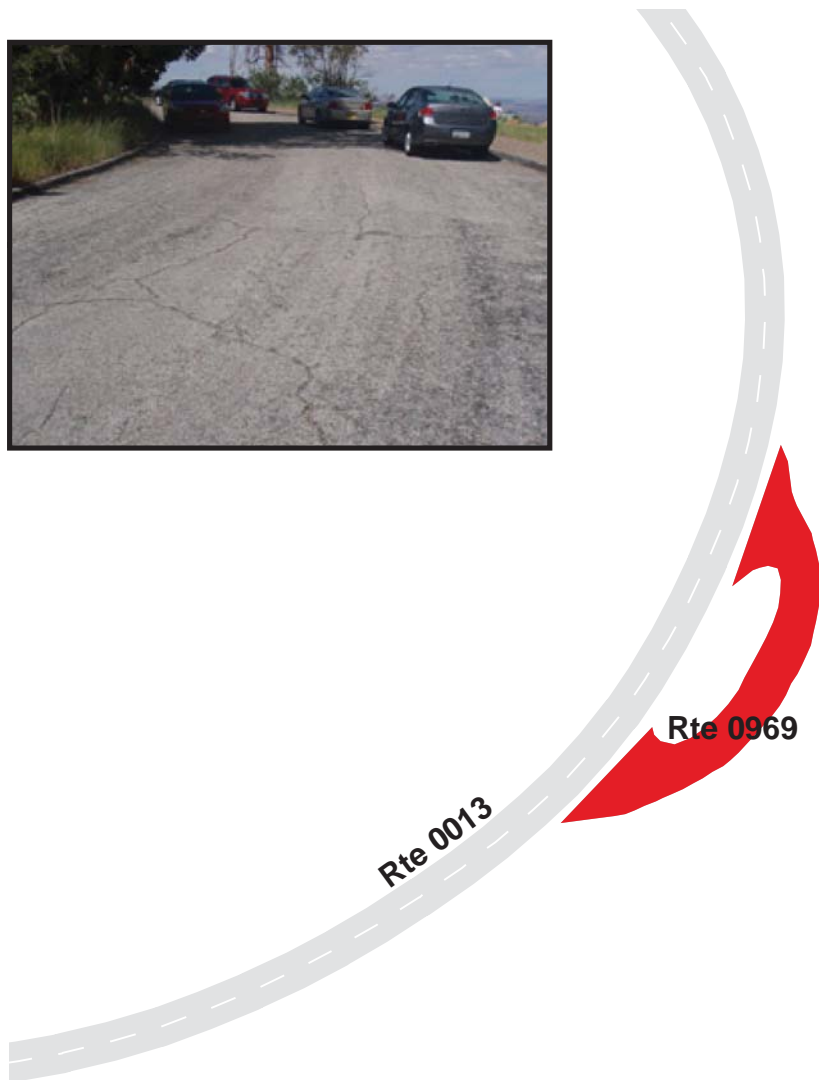
ROOSEVELT POINT PARKING

FROM ROUTE 0013 (CAPE ROYAL ROAD) AT MP 11.83

TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 11.87

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0969	PUBLIC	7/11/2009		6,581	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	ASPHALT CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0970

WAHALLA PLATEAU OVERLOOK PARKING
 FROM ROUTE 0013 (CAPE ROYAL ROAD) AT MP 18.39
 TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 18.50

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0970	PUBLIC	7/11/2009		27,274	0.47	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	ASPHALT CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0971

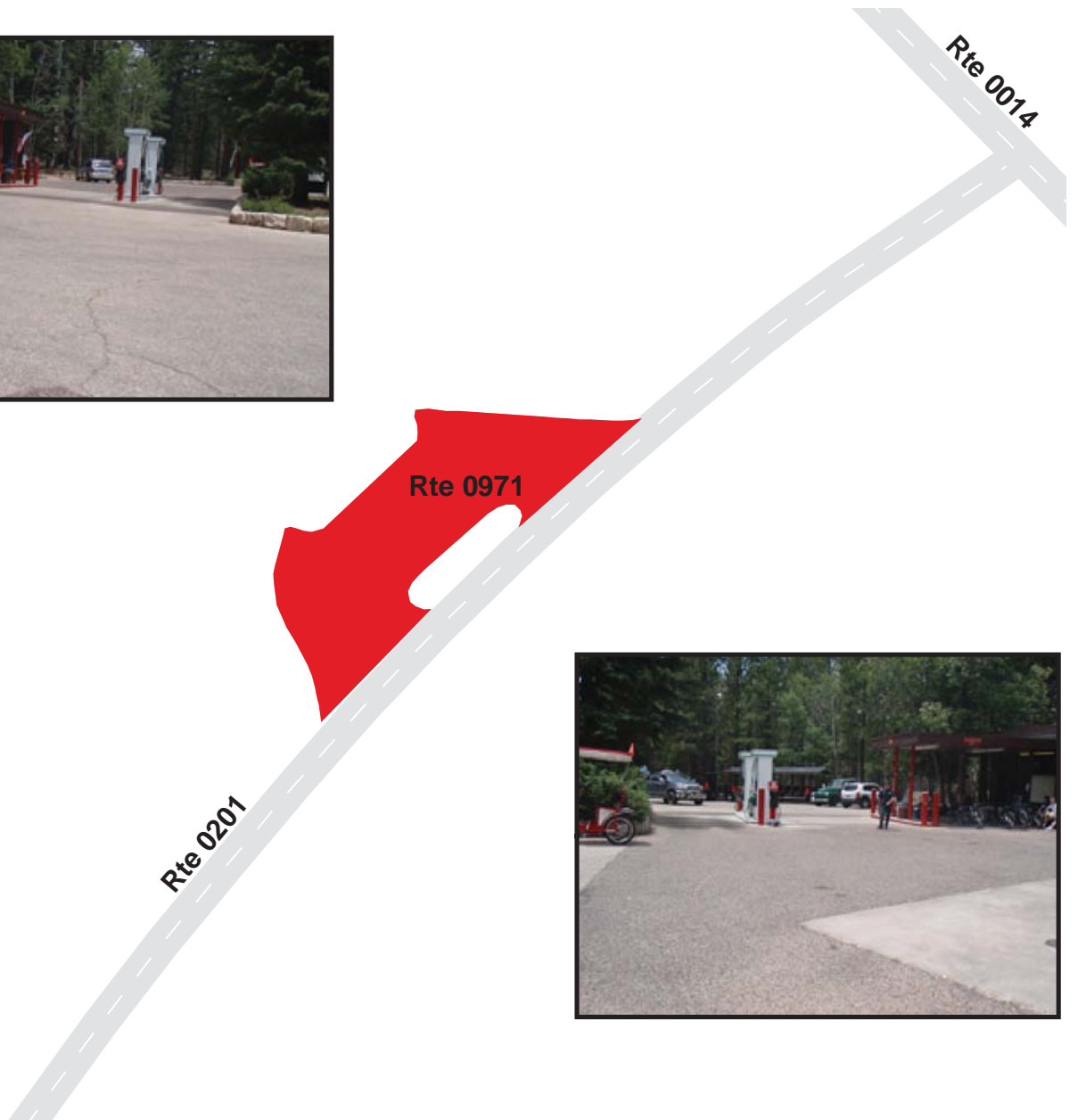
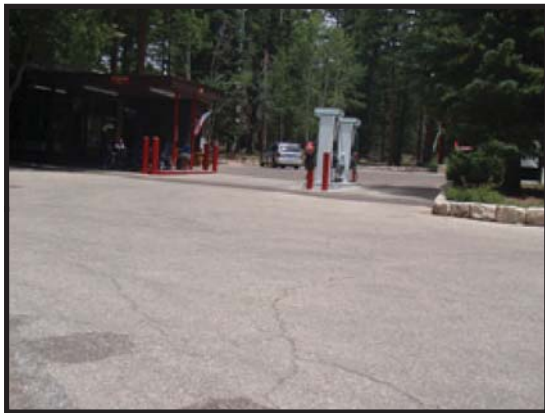
GAS STATION PARKING

FROM ROUTE 0201 (NORTH RIM CAMPGROUND ROAD) AT MP 0.04

TO ROUTE 0201 (NORTH RIM CAMPGROUND ROAD) AT MP 0.08

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0971	PUBLIC	7/10/2009		10,110	0.17	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE & STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



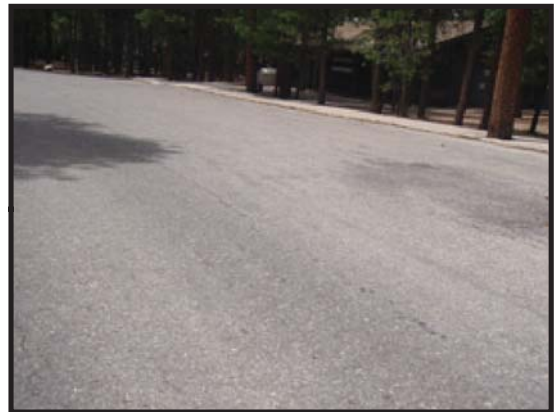
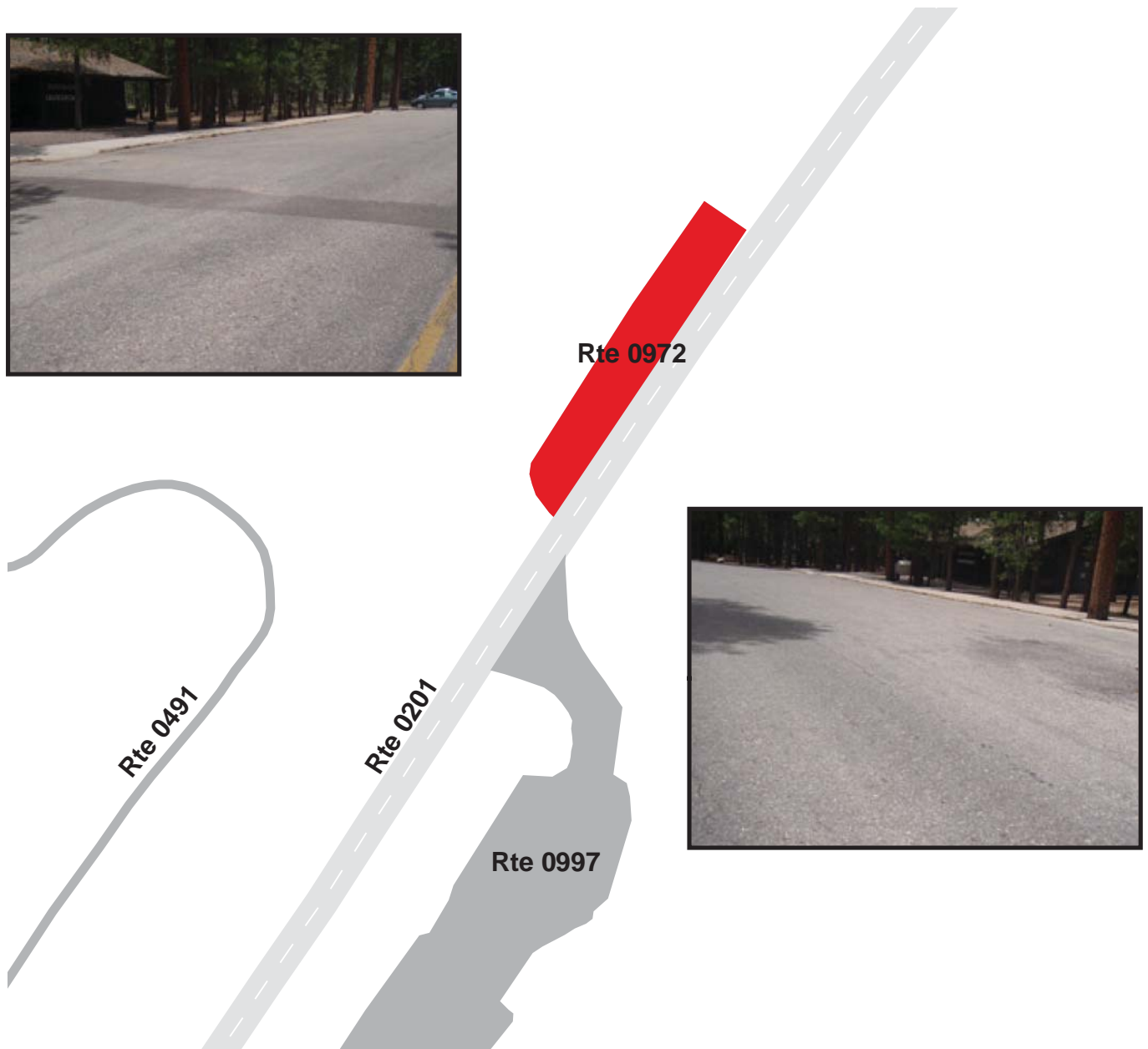
GRAND CANYON NATIONAL PARK

Route 0972

NORTH RIM CAMPGROUND SHOWERS & LAUNDRYMAT PARKING
 ADJACENT TO ROUTE 0201 (NORTH RIM CAMPGROUND ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0972	PUBLIC	7/10/2009		4,559	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



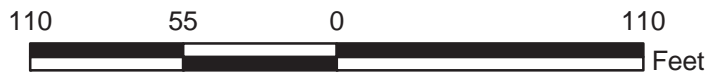
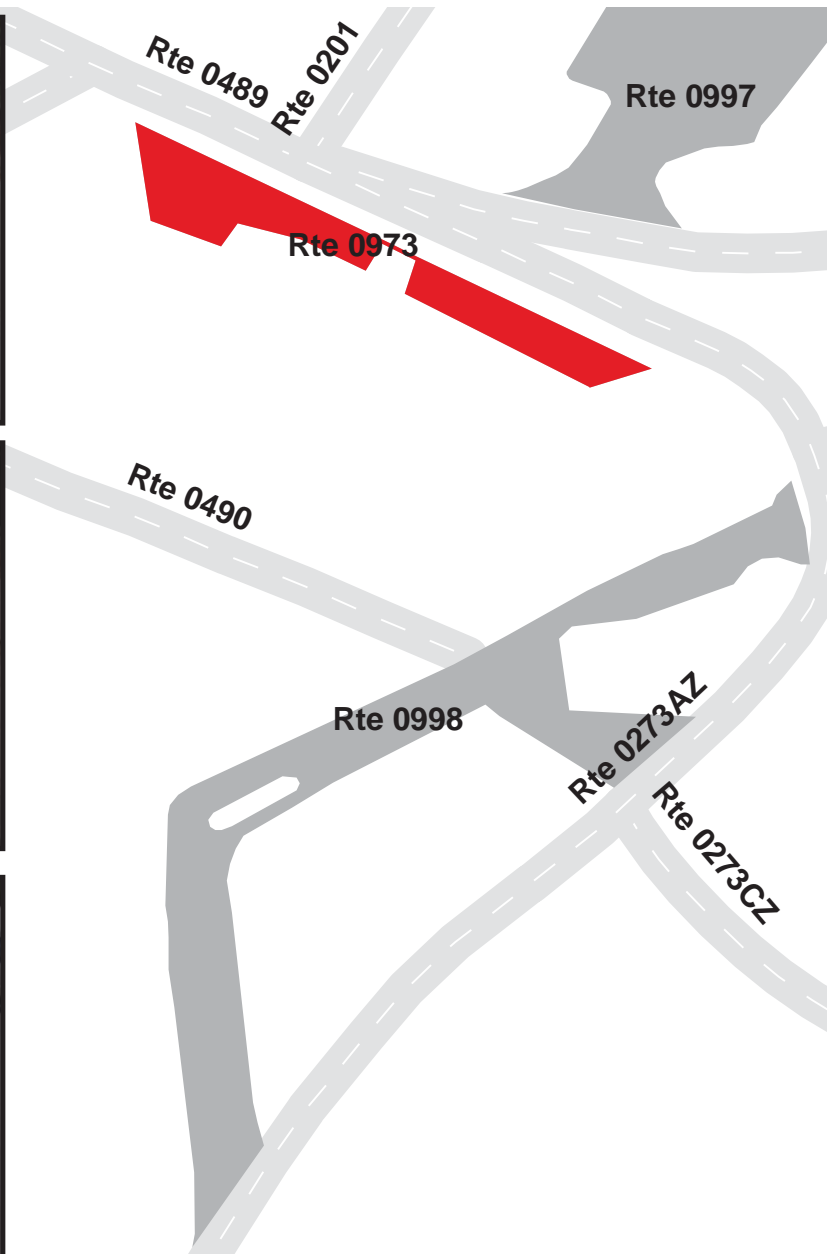
GRAND CANYON NATIONAL PARK

Route 0973

NORTH RIM CAMPGROUND GENERAL STORE PARKING
 ADJACENT TO ROUTE 0273ZZ (NORTH RIM CAMPGROUND ROADS)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0973	PUBLIC	7/10/2009		2,443	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

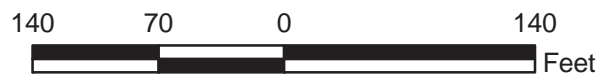
Route 0975ZZ

NORTH RIM RESIDENCE PARKING AREAS
ADJACENT TO ROUTE 0449 (NORTH RIM RESIDENCE LOOP)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0975ZZ	NONPUBLIC	7/10/2009		9,413	0.16	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	2	0	0	NO CURB AND GUTTER	CONCRETE CURB	SUMMARY/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0975AZ

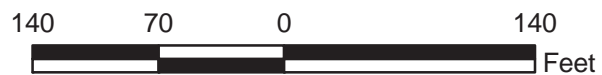
NORTH RIM RESIDENCE PARKING A

ADJACENT TO ROUTE 0449 (NORTH RIM RESIDENCE LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0975AZ	NONPUBLIC	7/10/2009		7,128	0.12	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	2	0	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

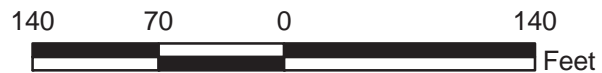
Route 0975BZ

NORTH RIM RESIDENCE PARKING B
 ADJACENT TO ROUTE 0449 (NORTH RIM RESIDENCE LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0975BZ	NONPUBLIC	7/10/2009		606	0.01	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0975CZ

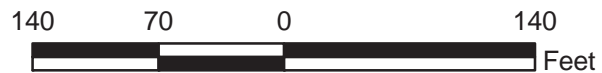
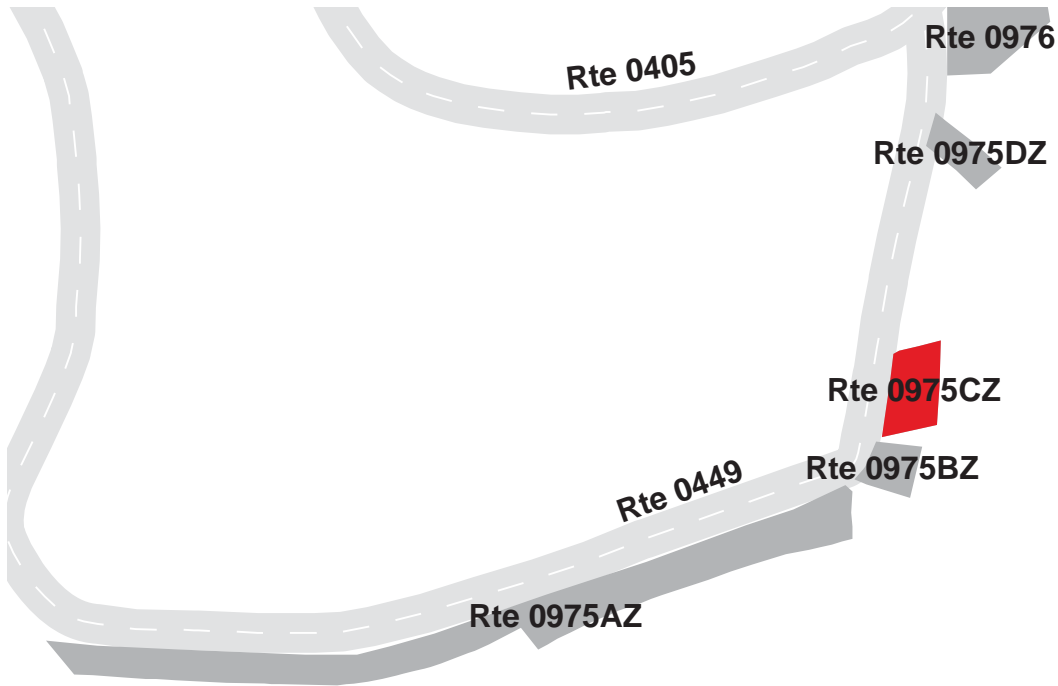
NORTH RIM RESIDENCE PARKING C

ADJACENT TO ROUTE 0449 (NORTH RIM RESIDENCE LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0975CZ	NONPUBLIC	7/10/2009		1,063	0.02	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0975DZ

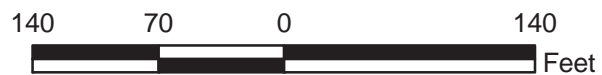
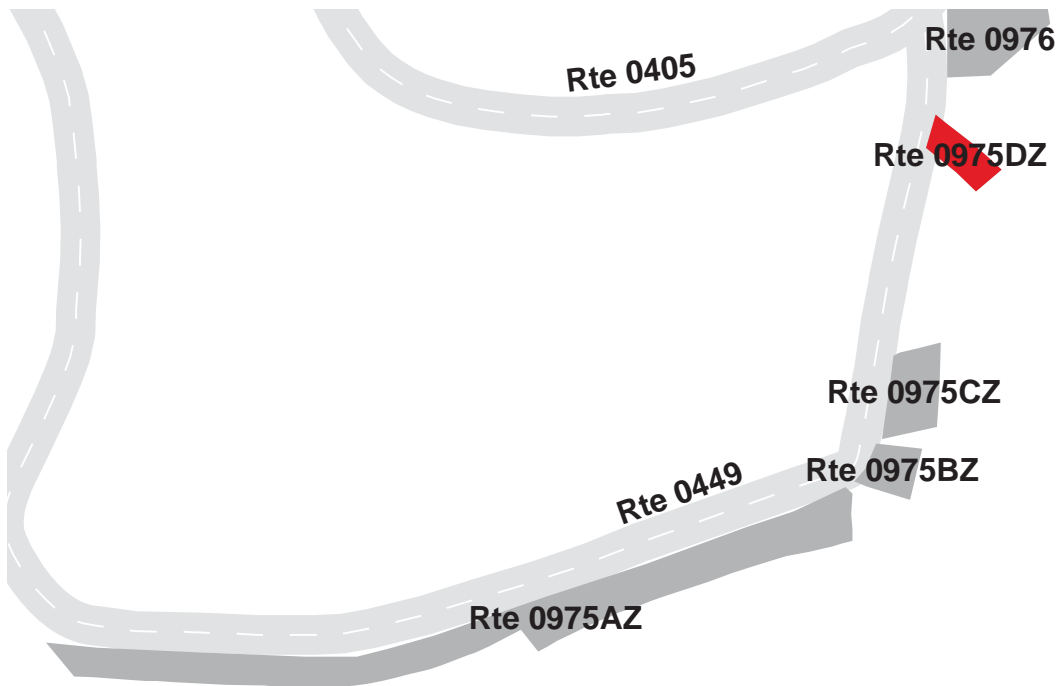
NORTH RIM RESIDENCE PARKING D

ADJACENT TO ROUTE 0449 (NORTH RIM RESIDENCE LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0975DZ	NONPUBLIC	7/10/2009		617	0.01	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

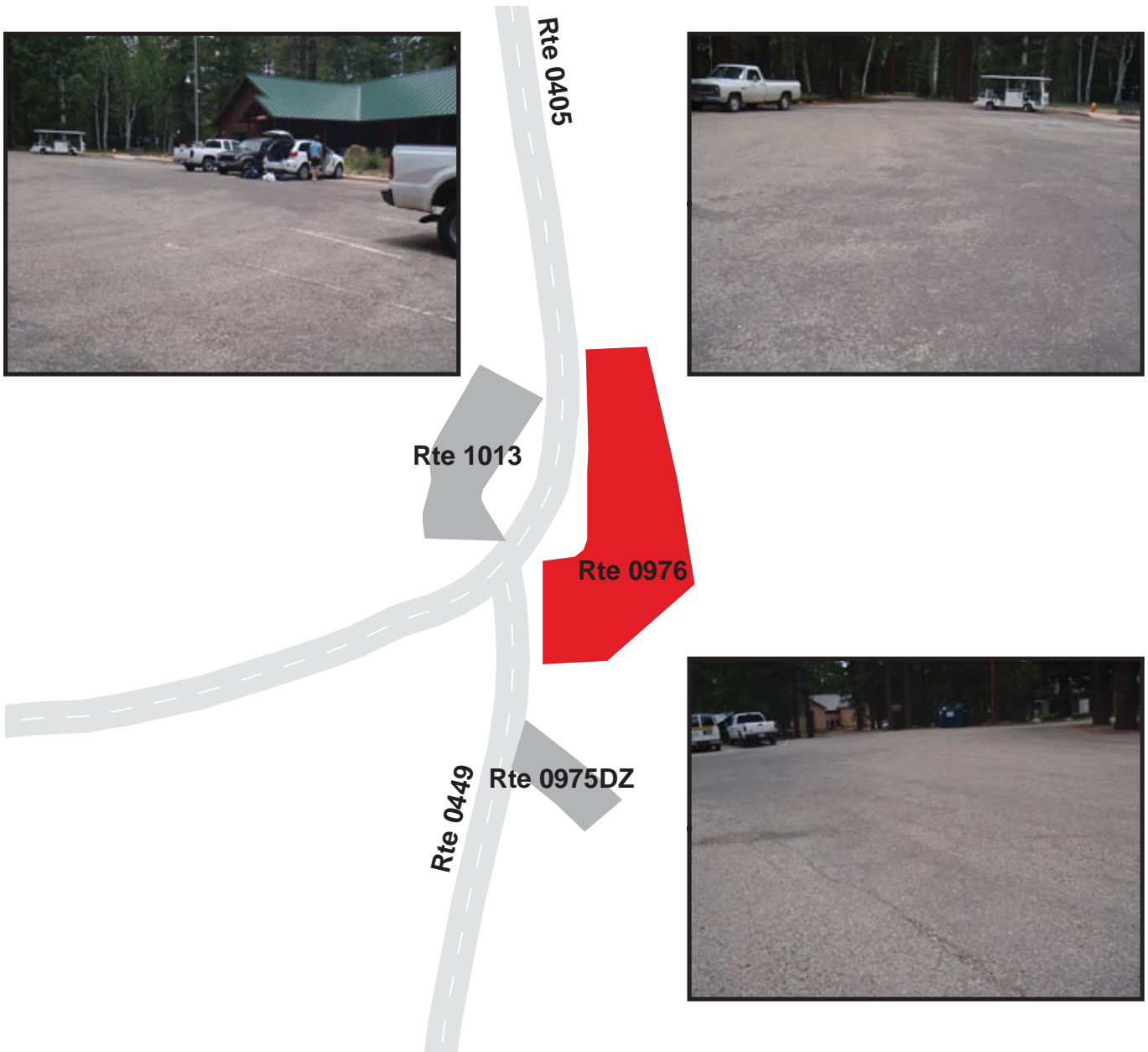
Route 0976

NORTH RIM ADMINISTRATIVE BUILDING PARKING

ADJACENT TO ROUTES 0405 (ADMIN LOOP) AND 0449 (NORTH RIM RESIDENCE LOOP)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0976	NONPUBLIC	7/10/2009		3,437	0.06	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

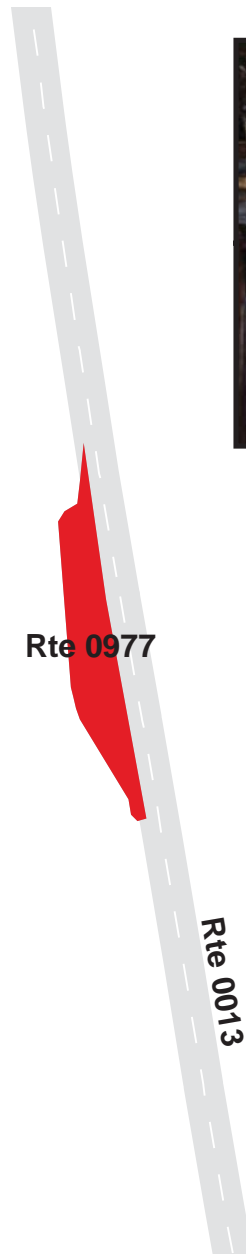
Route 0977

NORTH RIM FIRE PARKING

ADJACENT TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 14.00

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0977	PUBLIC	7/11/2009		1,734	0.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	ASPHALT CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

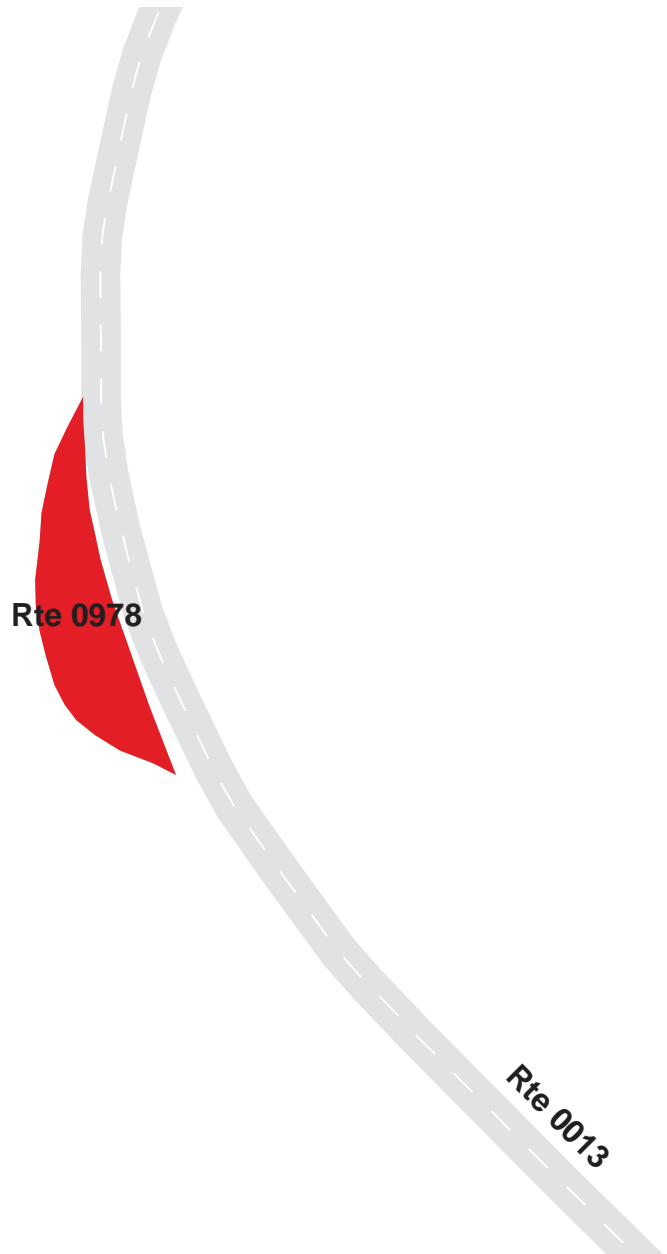
Route 0978

GREENLAND LAKES CABIN PARKING

ADJACENT TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 8.09

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0978	PUBLIC	7/11/2009		1,300	0.02	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	ASPHALT CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0979ZZ

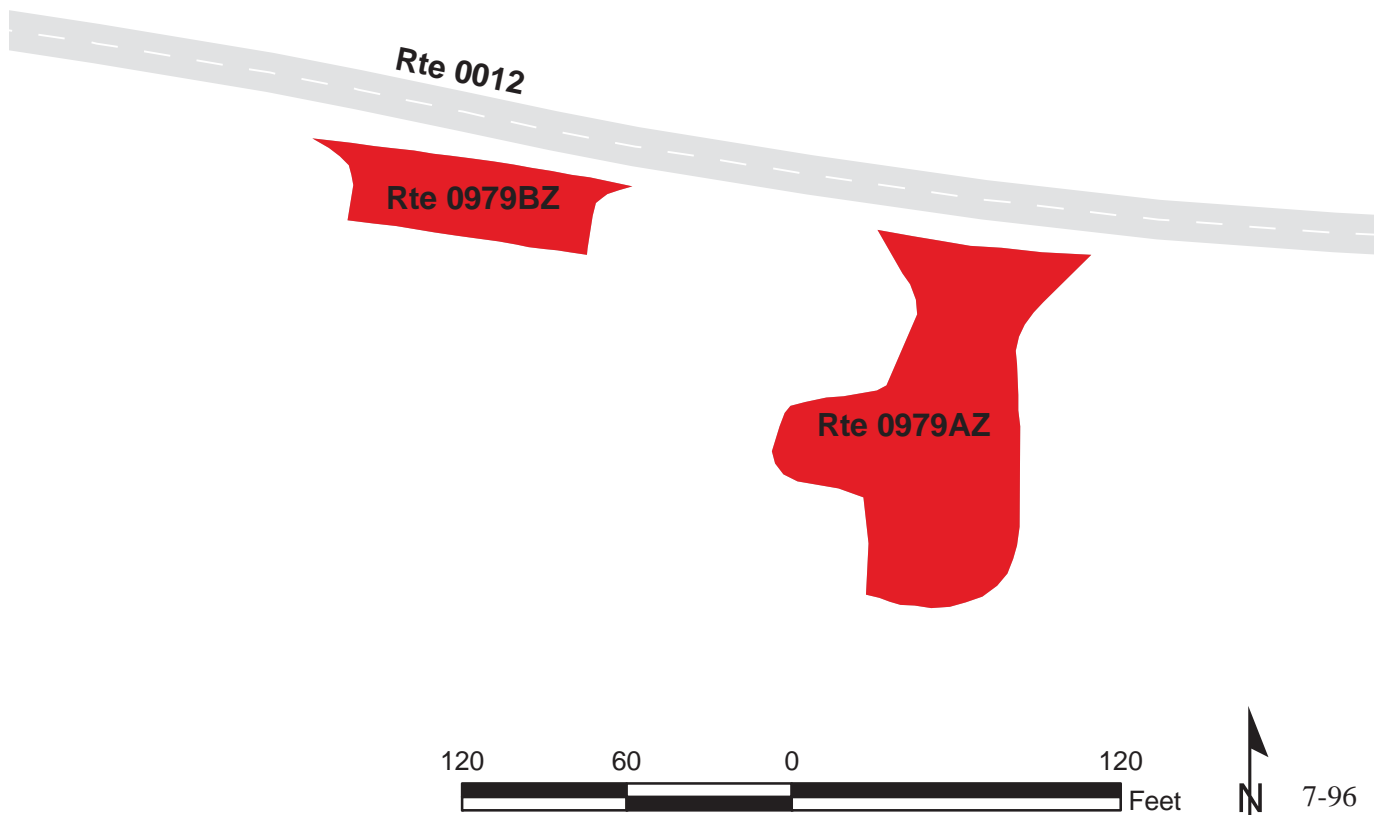
GARAGE PARKING AREAS

ADJACENT TO ROUTE 0012 (SOUTH ENTRANCE ROAD)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0979ZZ	NONPUBLIC	7/8/2009		8,478	0.15	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	SUMMARY/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0979AZ

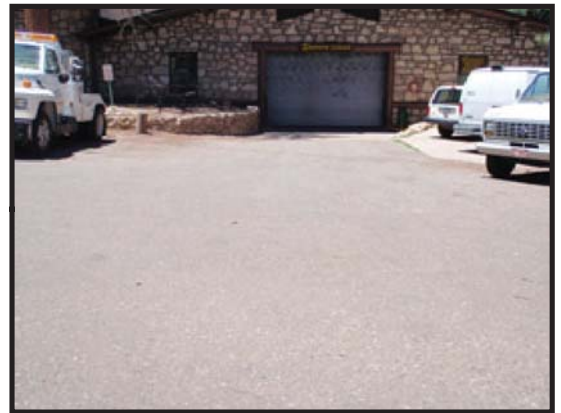
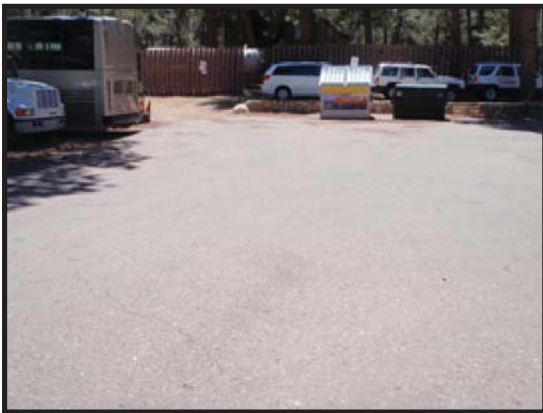
GARAGE PARKING A

ADJACENT TO ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 7.73

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0979AZ	NONPUBLIC	7/8/2009		6,366	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0979BZ

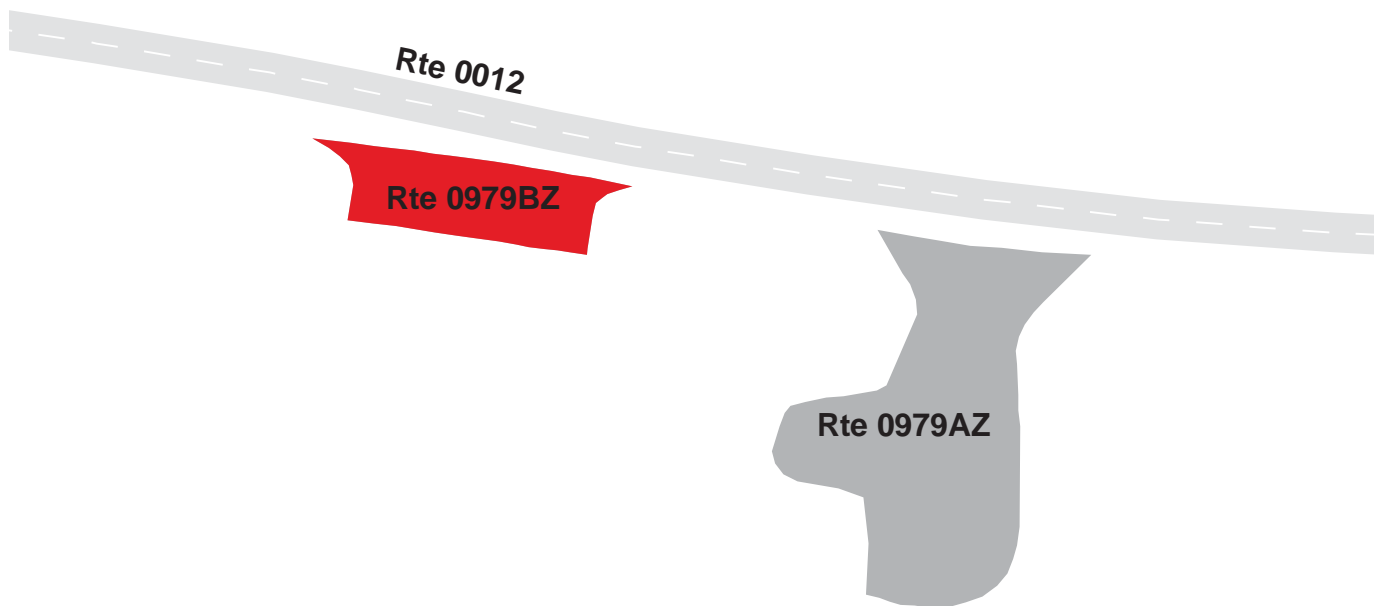
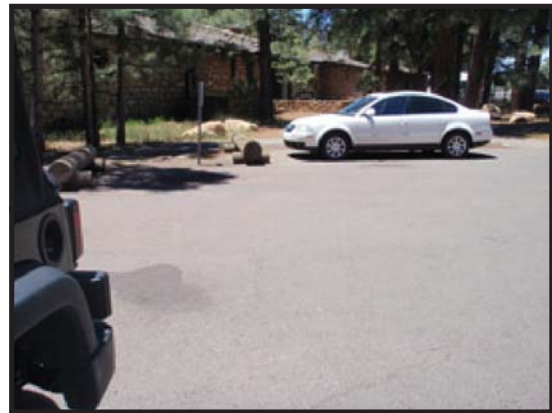
GARAGE PARKING B

ADJACENT TO ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 7.75

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0979BZ	NONPUBLIC	7/8/2009		2,112	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

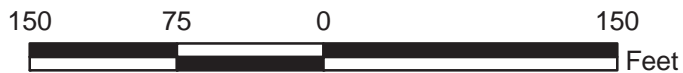
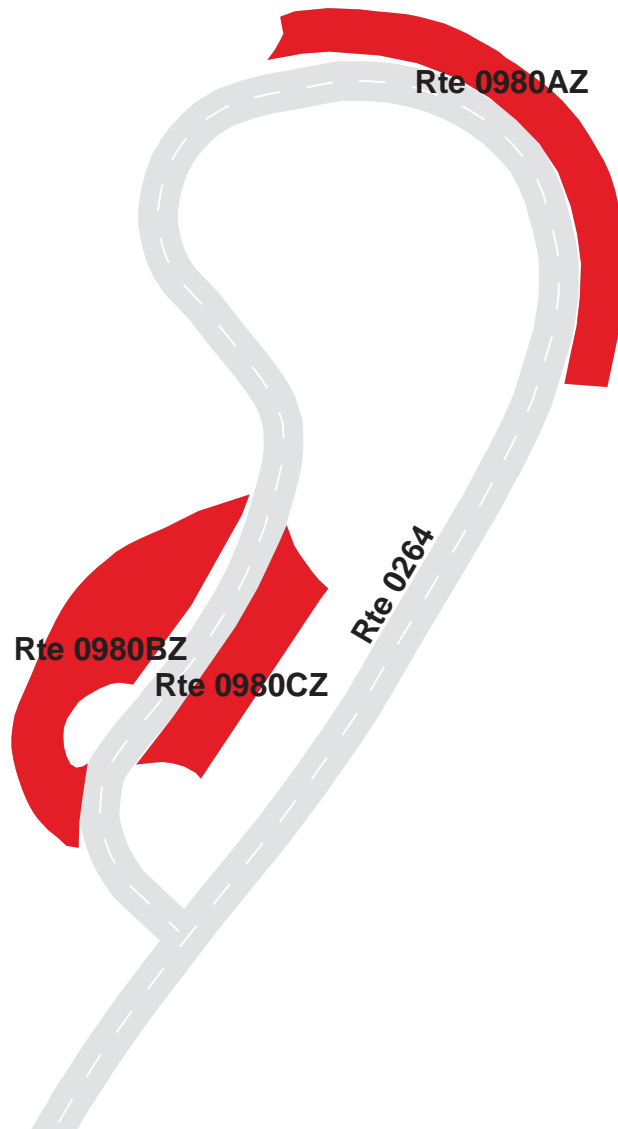
Route 0980ZZ

GRANDVIEW POINT ROAD PARKING AREAS
ADJACENT TO ROUTE 0264 (GRANDVIEW POINT ROAD)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0980ZZ	PUBLIC	7/10/2009		14,139	0.24	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	STONE CURB	SUMMARY/79.42

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0980AZ

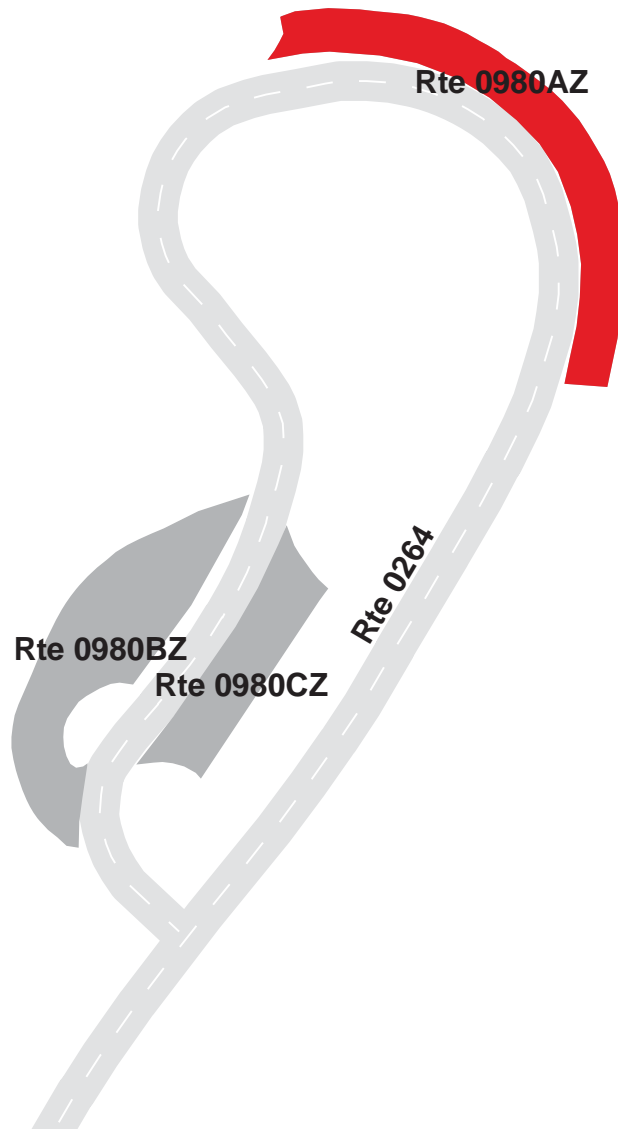
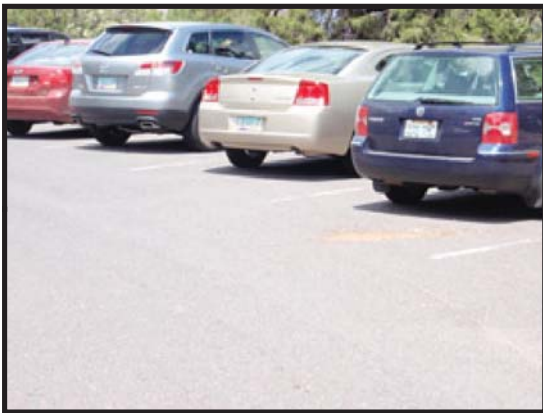
GRANDVIEW POINT ROAD PARKING A

ADJACENT TO ROUTE 0264 (GRANDVIEW POINT ROAD) AT MP 0.66 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0980AZ	PUBLIC	7/10/2009		5,342	0.09	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0980BZ

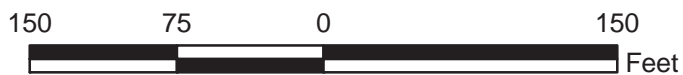
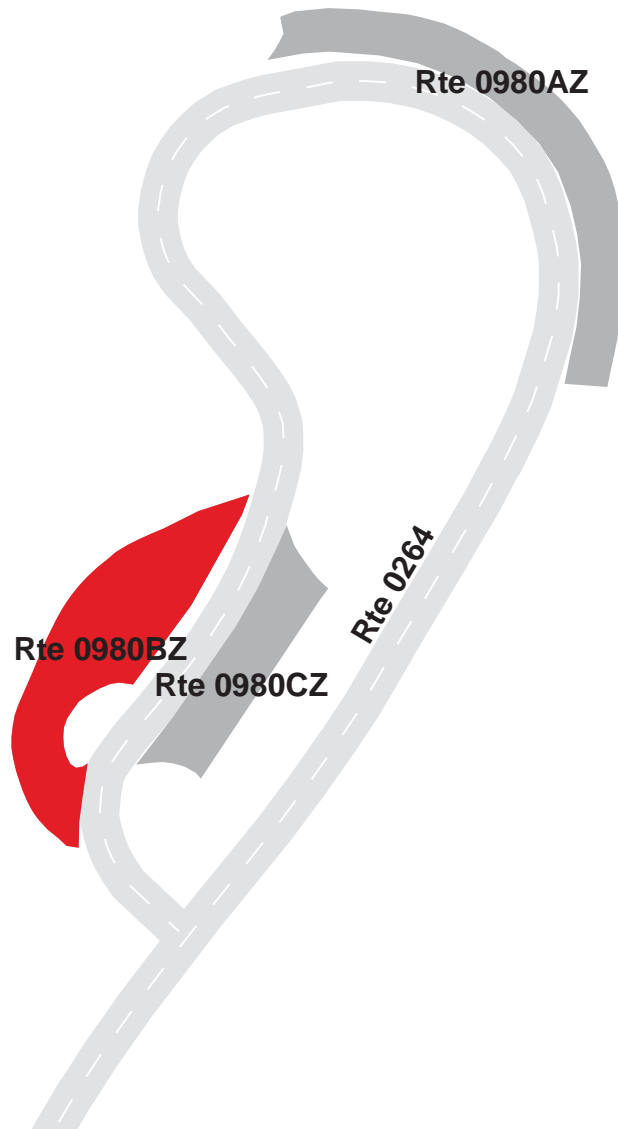
GRANDVIEW POINT ROAD PARKING B

ADJACENT TO ROUTE 0264 (GRANDVIEW POINT ROAD) AT MP 0.73 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0980BZ	PUBLIC	7/10/2009		5,809	0.10	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0980CZ

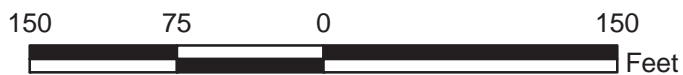
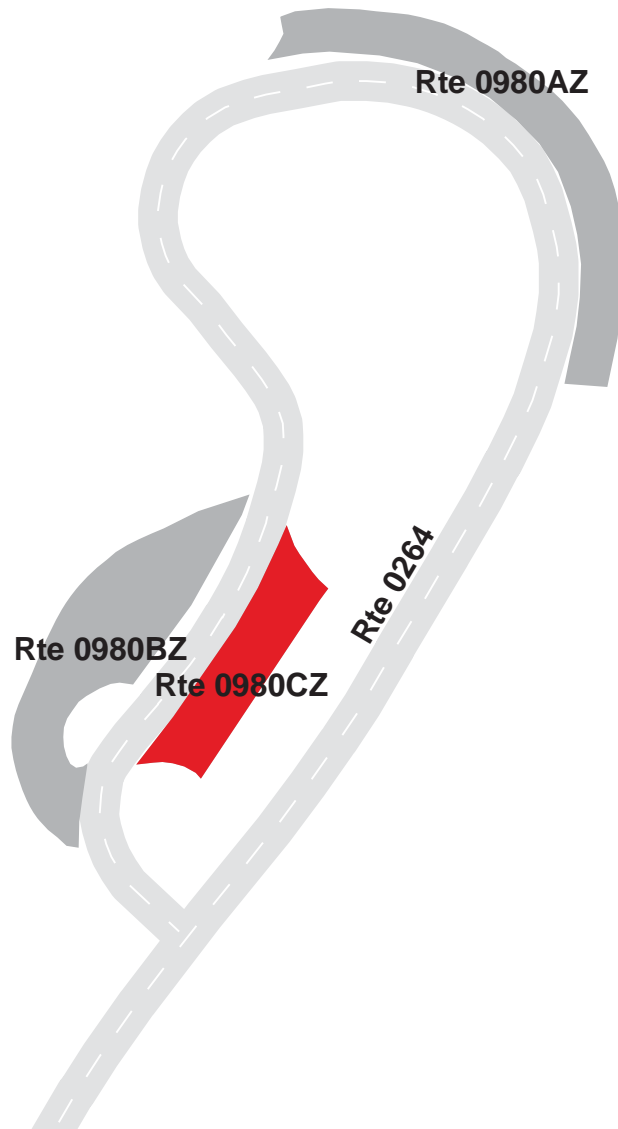
GRANDVIEW POINT ROAD PARKING C

ADJACENT TO ROUTE 0264 (GRANDVIEW POINT ROAD) AT MP 0.74 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0980CZ	PUBLIC	7/10/2009		2,987	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

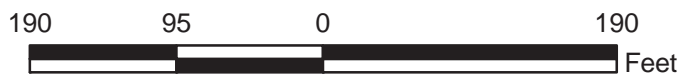
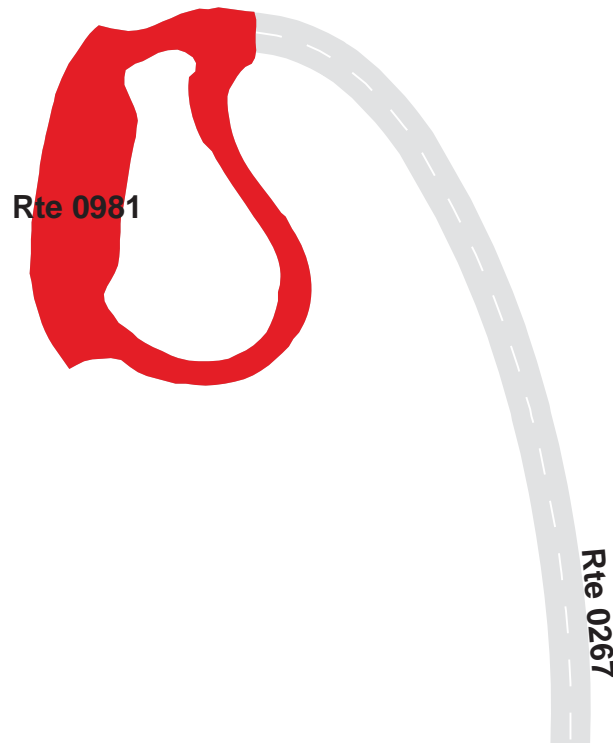
Route 0981

LIPAN POINT PARKING

FROM END OF ROUTE 0267 (LIPAN POINT ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0981	PUBLIC	7/10/2009		15,184	0.26	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	0	NO CURB AND GUTTER	CONCRETE & STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



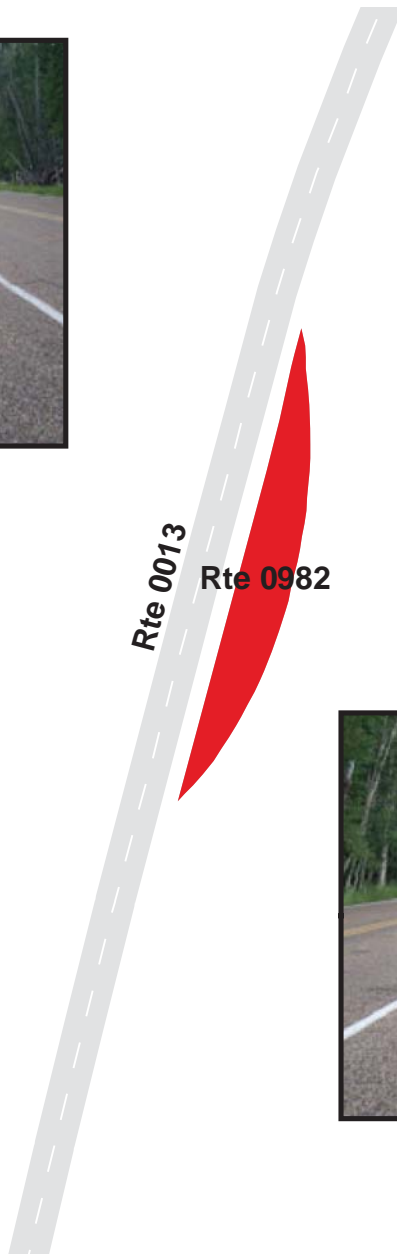
GRAND CANYON NATIONAL PARK

Route 0982

MAINTAINING MOUNTAIN MEADOWS PARKING
ADJACENT TO ROUTE 0013 (CAPE ROYAL ROAD) AT MP 1.53 RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0982	PUBLIC	7/11/2009		2,592	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	ASPHALT CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

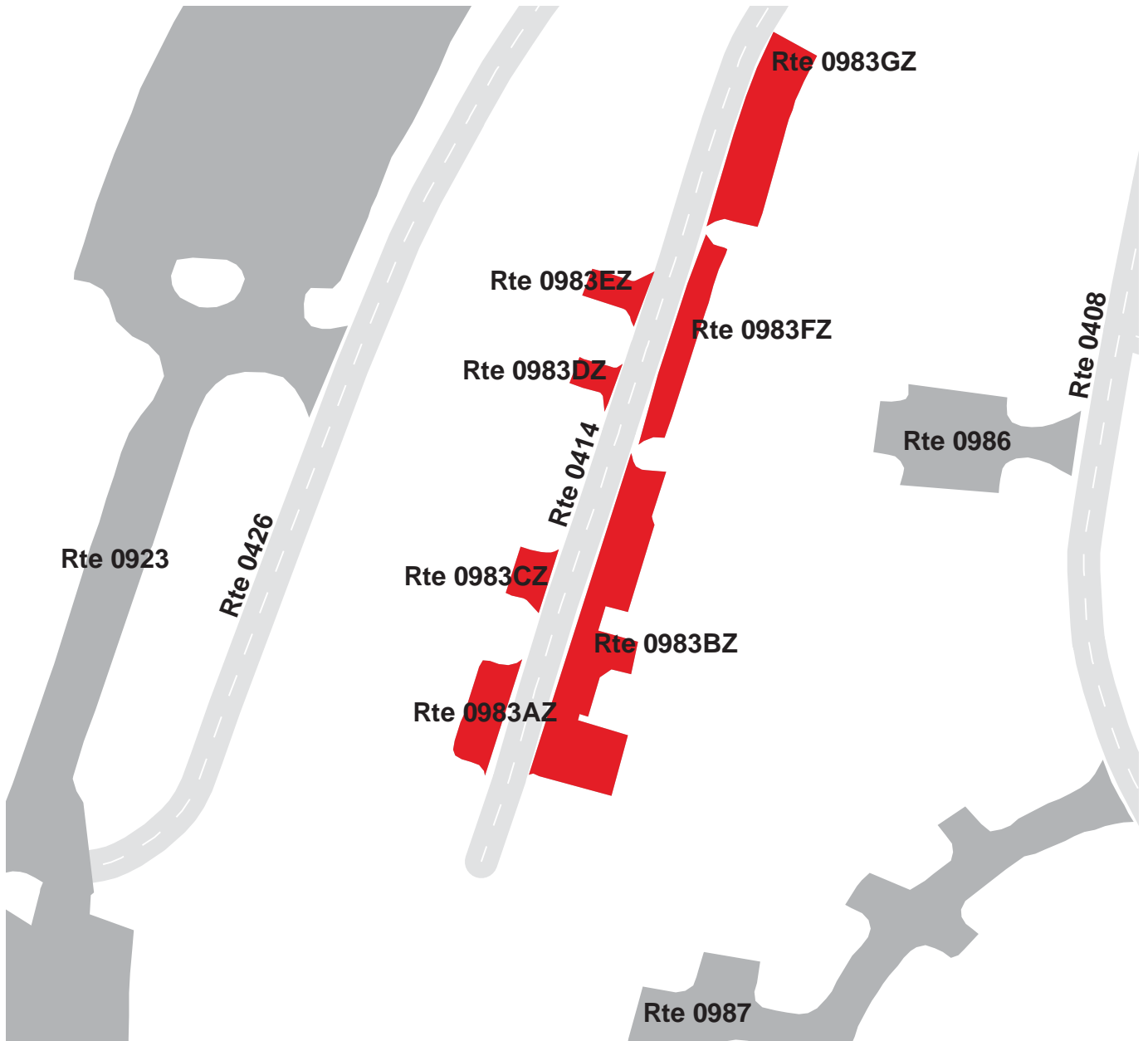
Route 0983ZZ

APACHE WEST PARKING AREAS
ADJACENT TO ROUTE 0414 (APACHE WEST)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0983ZZ	PUBLIC	7/9/2009		11,270	0.19	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	CONCRETE CURB AND GUTTER	NO CURB	SUMMARY/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0983AZ

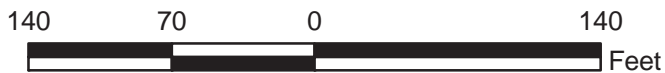
APACHE WEST PARKING A

ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.13 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0983AZ	PUBLIC	7/8/2009		1,128	0.02	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0983BZ

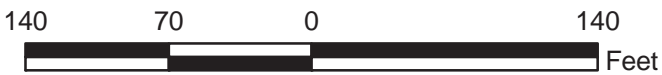
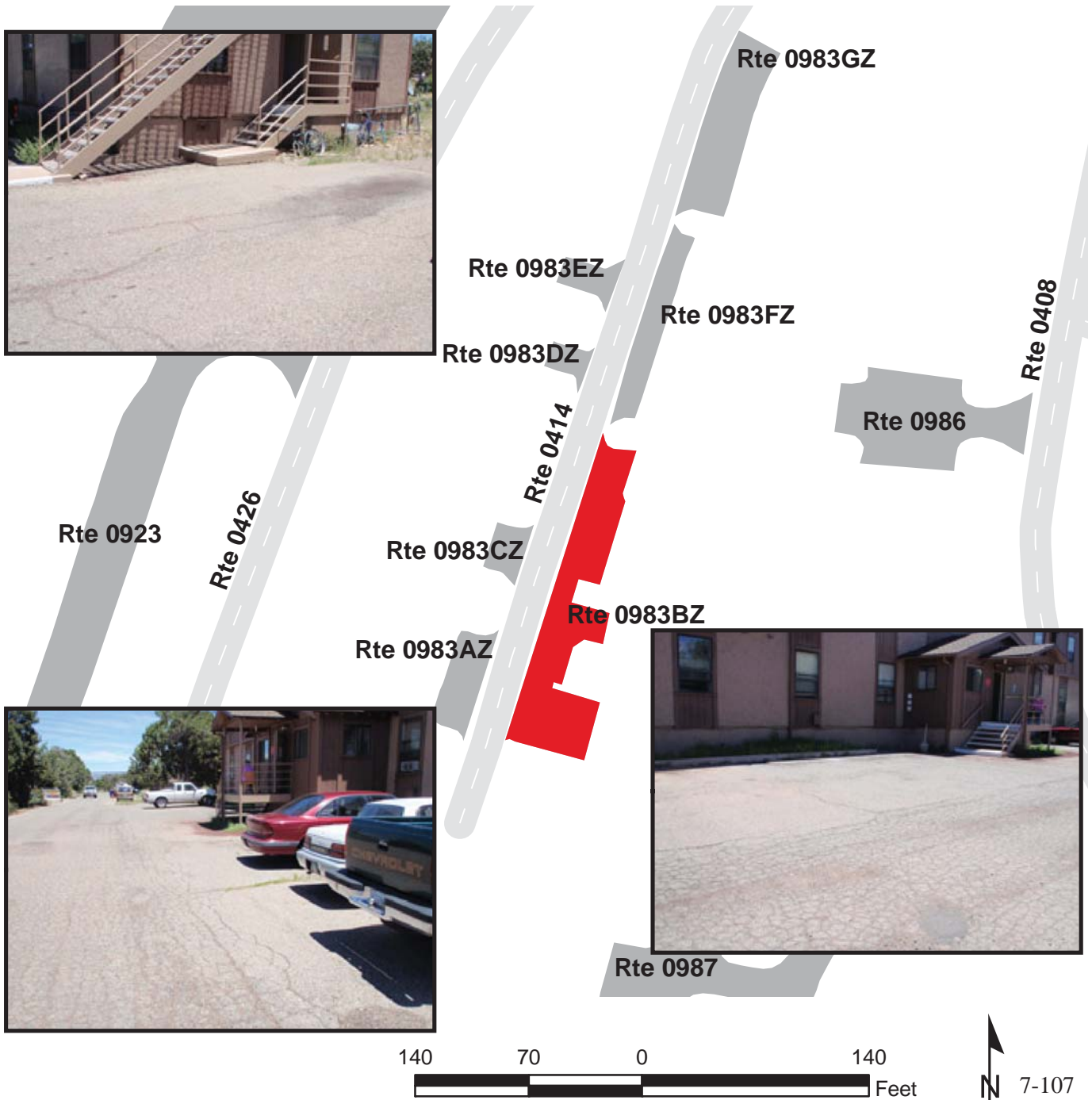
APACHE WEST PARKING B

ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.11 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0983BZ	PUBLIC	7/8/2009		4,620	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0983CZ

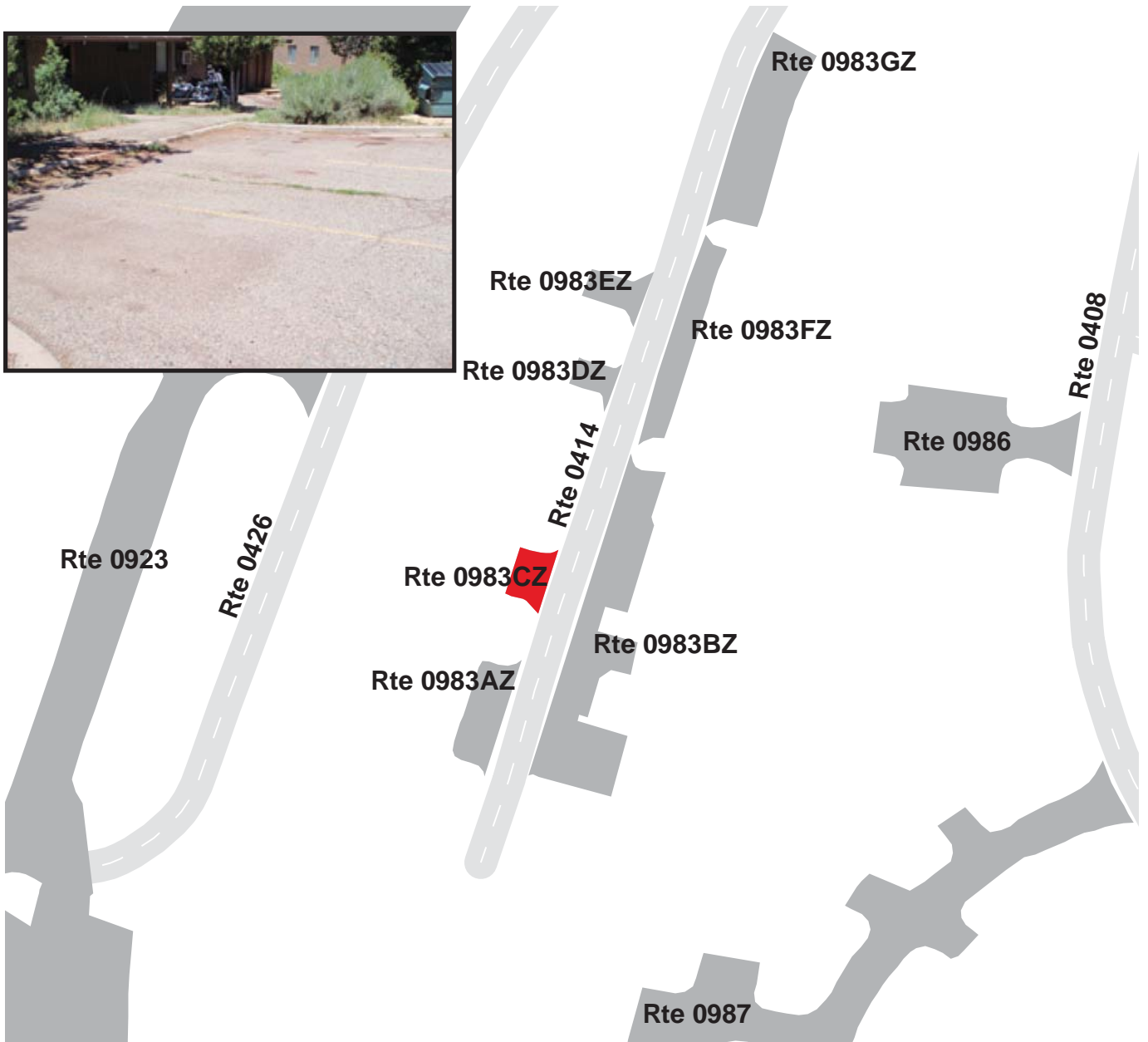
APACHE WEST PARKING C

ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.11 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0983CZ	PUBLIC	7/8/2009		550	0.01	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0983DZ

APACHE WEST PARKING D

ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.08 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0983DZ	PUBLIC	7/8/2009		359	0.01	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0983EZ

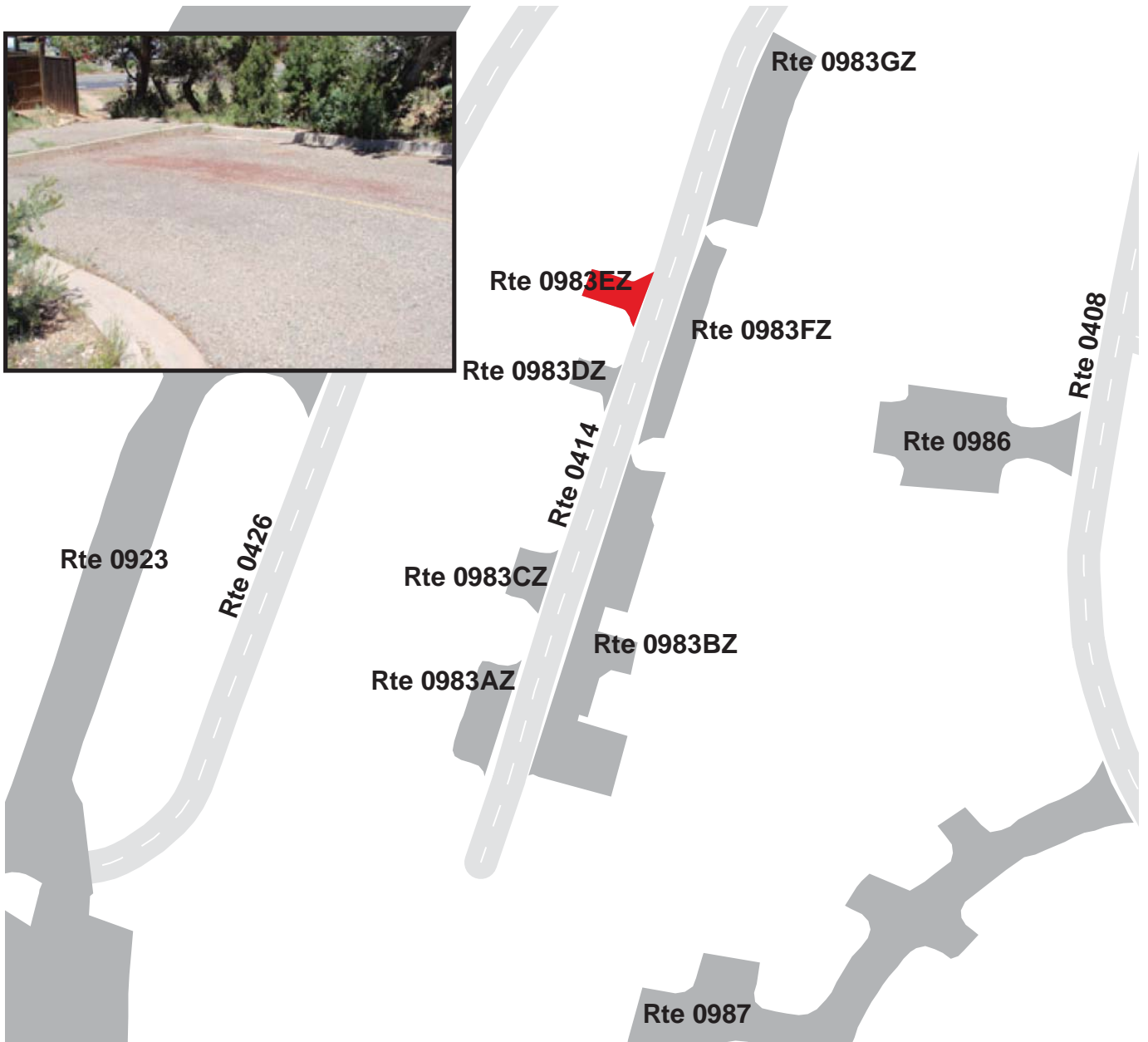
APACHE WEST PARKING E

ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.07 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0983EZ	PUBLIC	7/8/2009		549	0.01	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0983FZ

APACHE WEST PARKING F

ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.07 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0983FZ	PUBLIC	7/9/2009		1,457	0.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0983GZ

APACHE WEST PARKING G

ADJACENT TO ROUTE 0414 (APACHE WEST) AT MP 0.05 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0983GZ	PUBLIC	7/8/2009		2,608	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

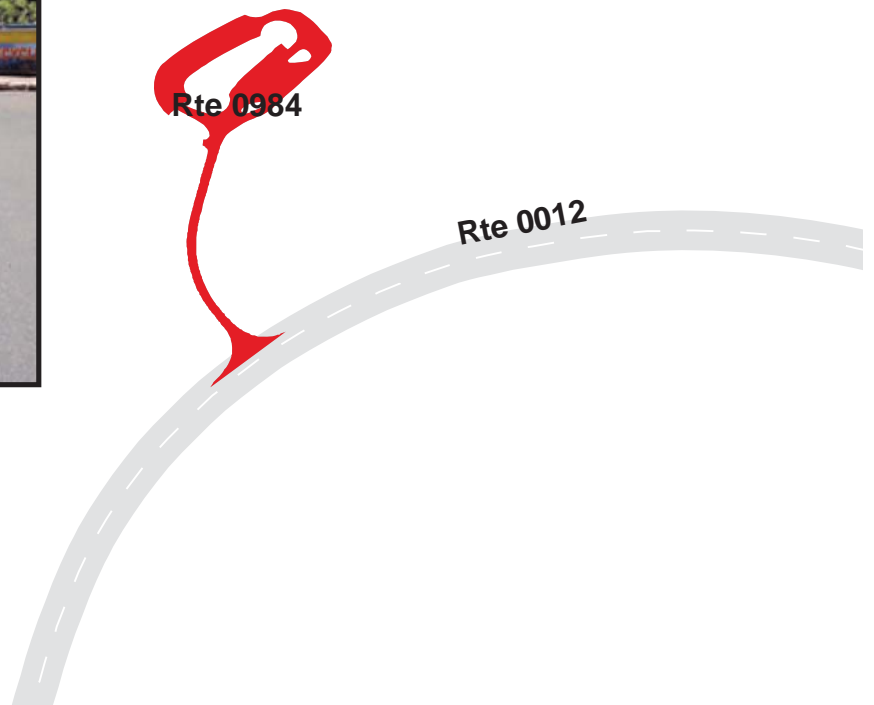
Route 0984

YAVAPAI POINT PARKING

FROM ROUTE 0012 (SOUTH ENTRANCE ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0984	PUBLIC	7/9/2009		77,512	1.34	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	1	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



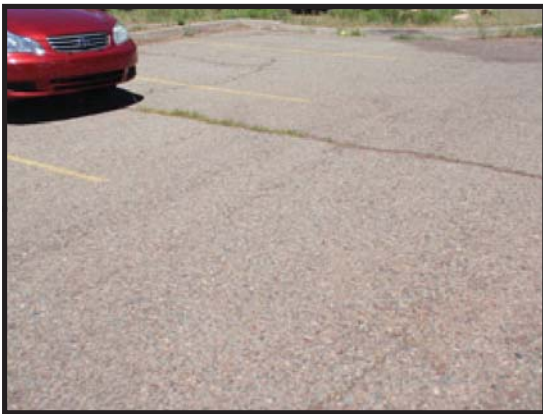
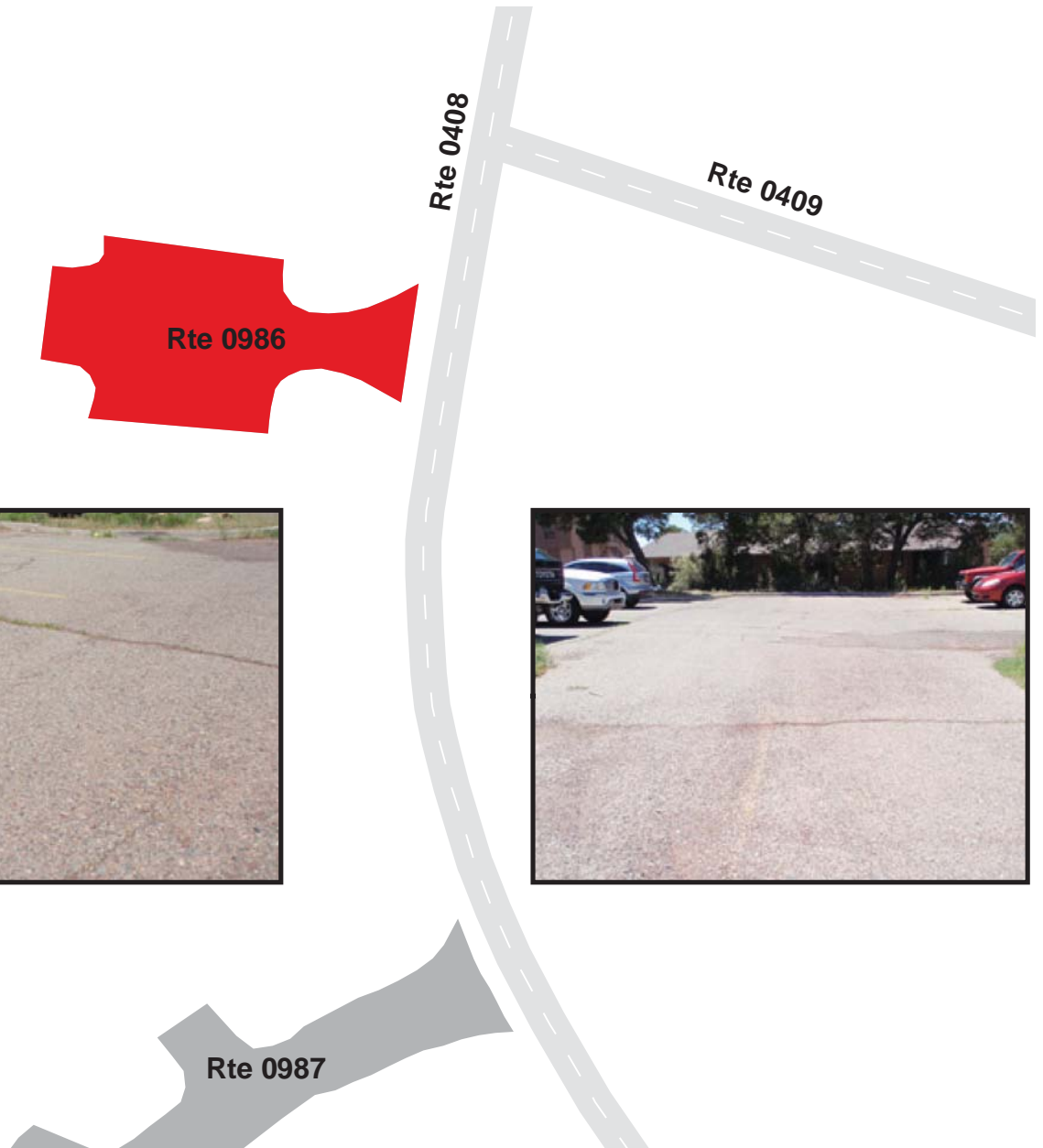
GRAND CANYON NATIONAL PARK

Route 0986

BOULDER WEST PARKING
FROM ROUTE 0408 (COCONINO ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0986	PUBLIC	7/8/2009		4,020	0.07	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



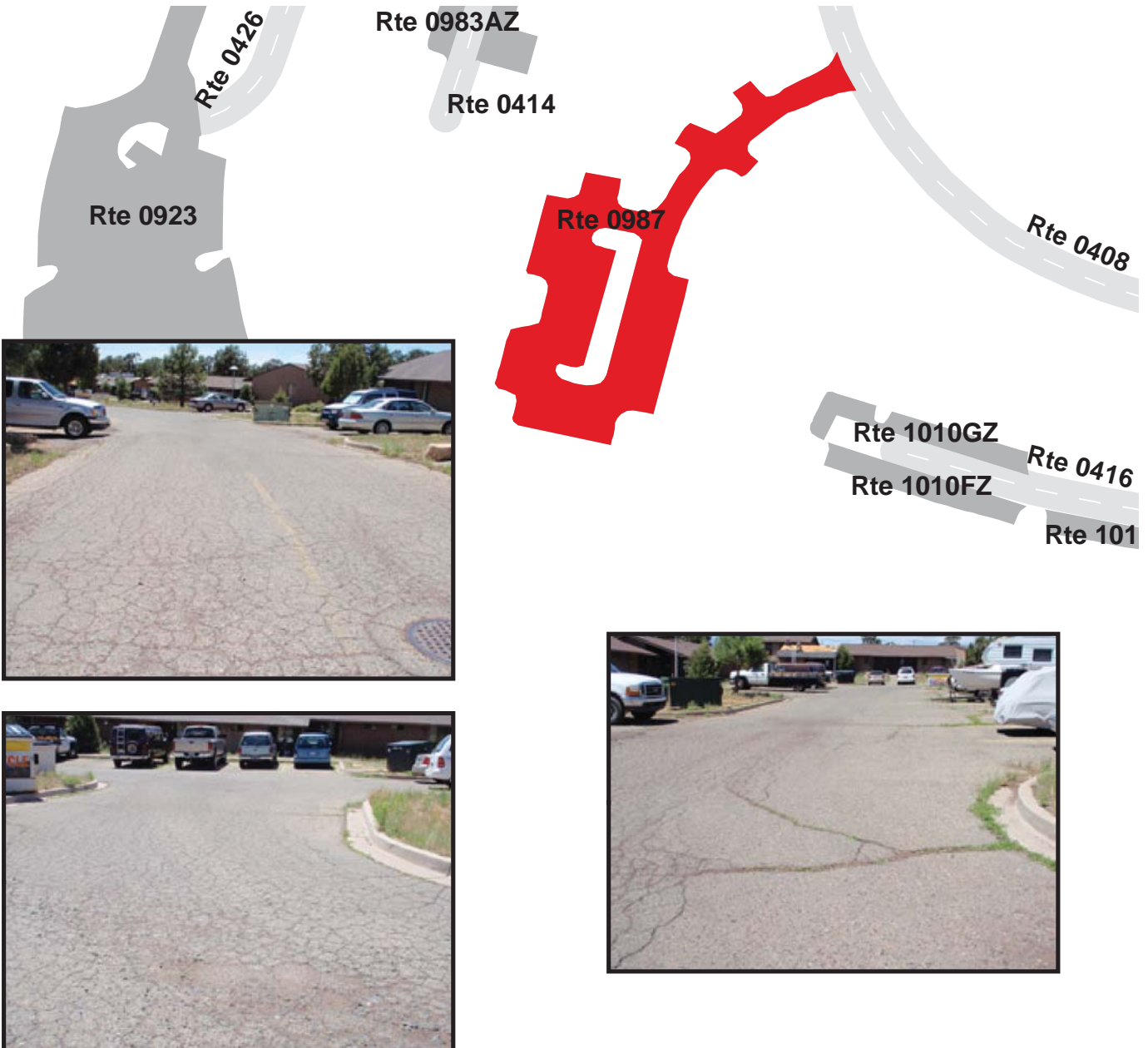
GRAND CANYON NATIONAL PARK

Route 0987

LOOP STREET PARKING
FROM ROUTE 0408 (COCONINO ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0987	PUBLIC	7/8/2009		26,388	0.45	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	2	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



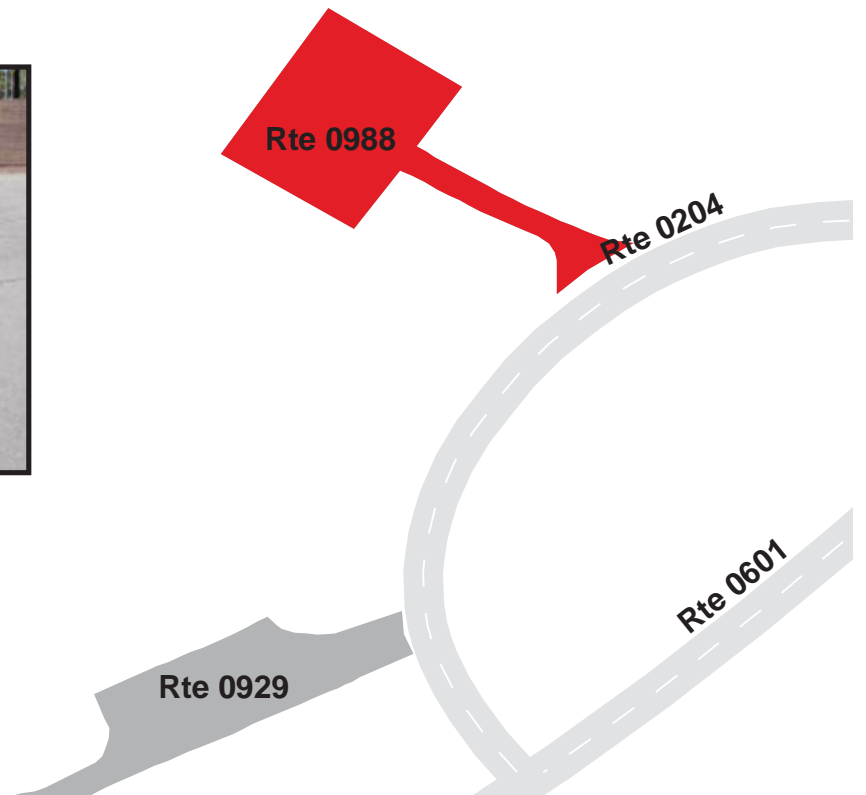
GRAND CANYON NATIONAL PARK

Route 0988

ALBRIGHT TRAINING GARAGE PARKING
FROM ROUTE 0204 (NPS ACADEMY LOOP ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0988	NONPUBLIC	7/8/2009		6,649	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

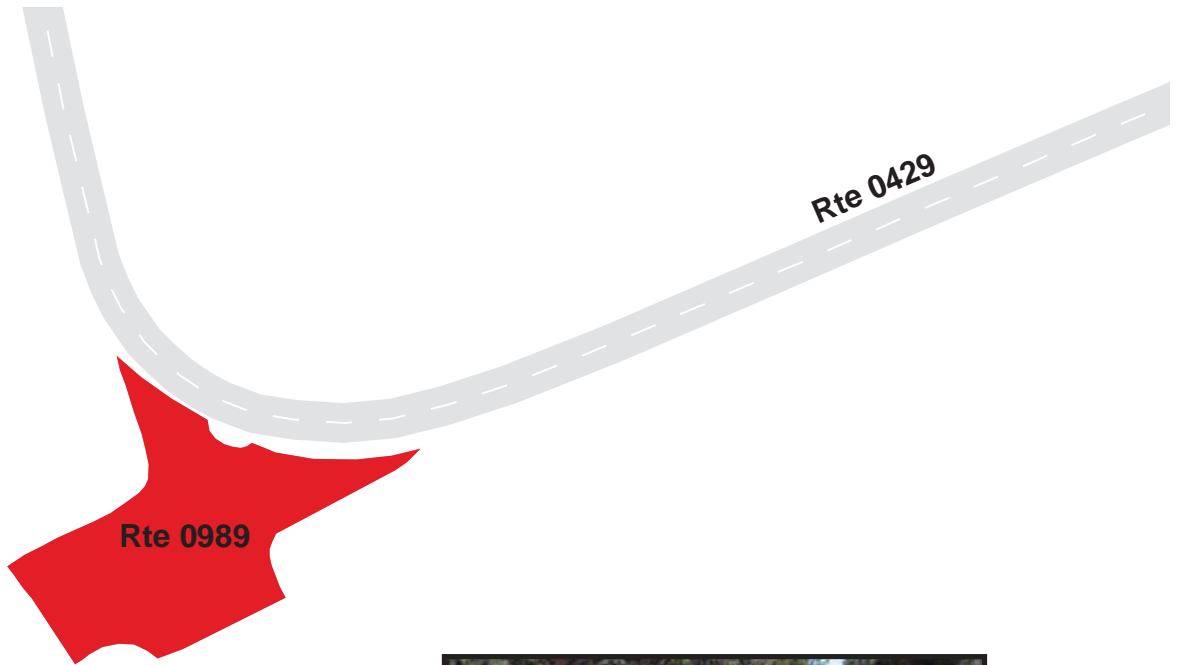
Route 0989

RIVER PERMIT PARKING

ADJACENT TO ROUTE 0429 (NPS HOUSING ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0989	PUBLIC	7/8/2009		4,908	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

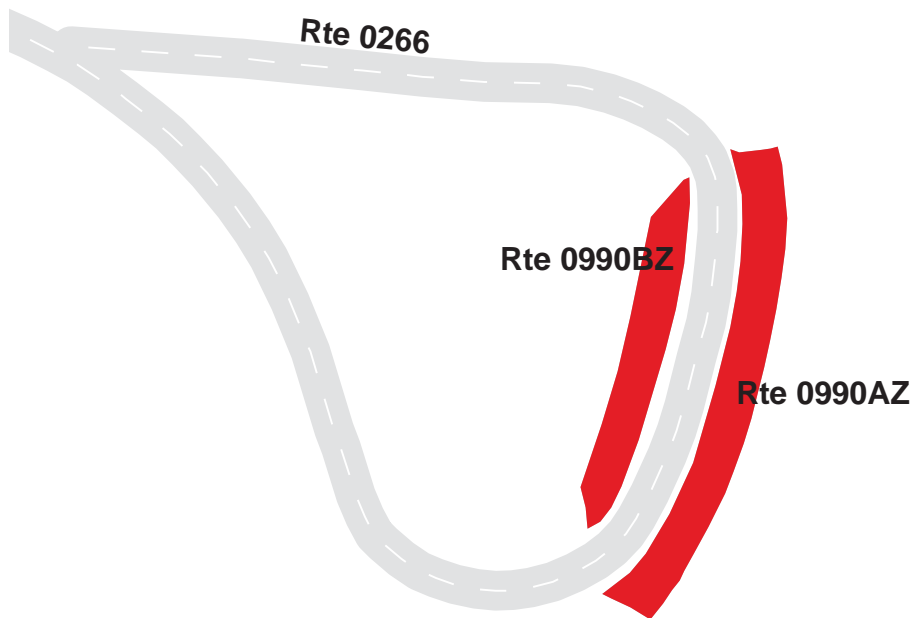
Route 0990ZZ

TUSAYAN MUSEUM AND RUIN PARKING AREAS
ADJACENT TO ROUTE 0266 (TUSAYAN RUIN ROAD)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0990ZZ	PUBLIC	7/10/2009		7,607	0.13	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	SUMMARY/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

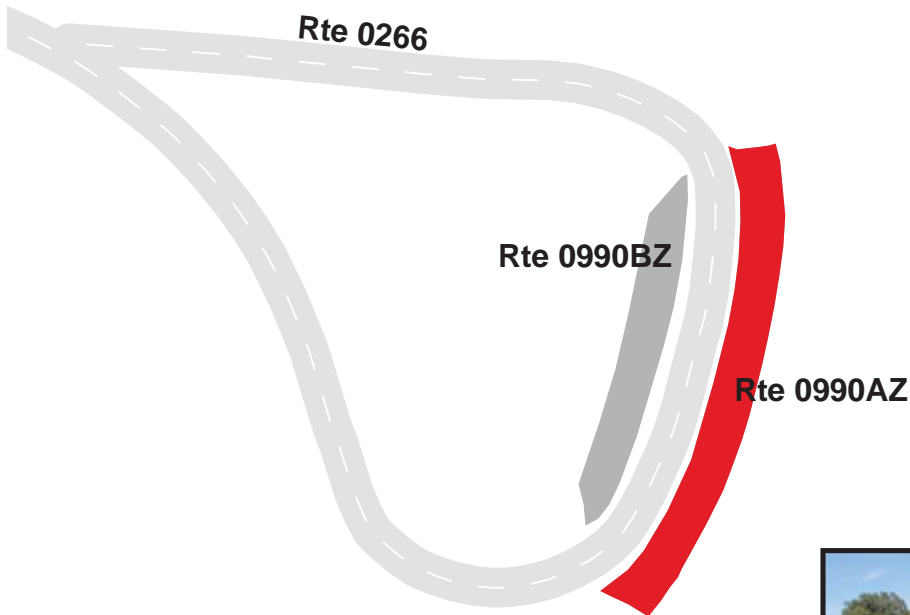
Route 0990AZ

TUSAYAN MUSEUM AND RUIN PARKING A
 ADJACENT TO ROUTE 0266 (TUSAYAN RUIN ROAD) ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0990AZ	PUBLIC	7/10/2009		4,649	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

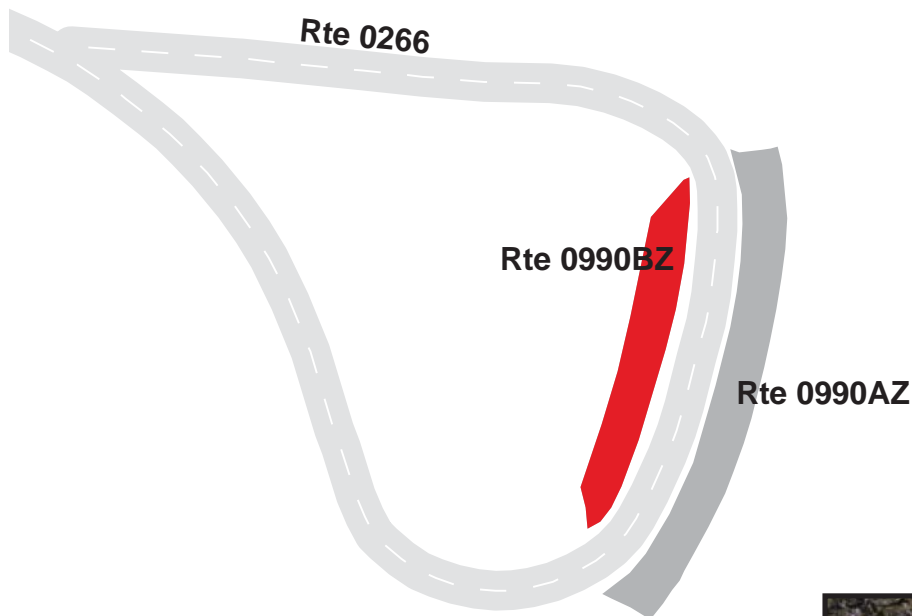
Route 0990BZ

TUSAYAN MUSEUM AND RUIN PARKING B
 ADJACENT TO ROUTE 0266 (TUSAYAN RUIN ROAD) ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0990BZ	PUBLIC	7/10/2009		2,959	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0991ZZ

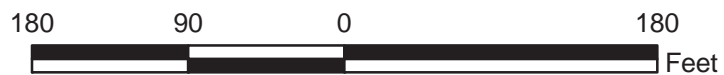
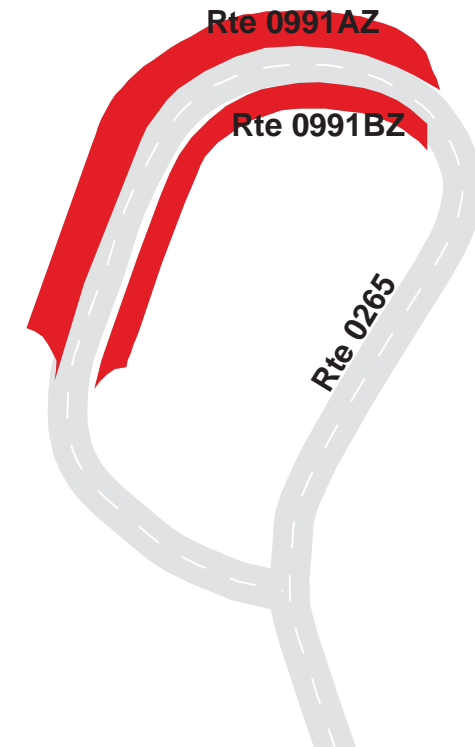
MORAN POINT PARKING AREAS

ADJACENT TO ROUTE 0265 (MORAN POINT ROAD)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0991ZZ	PUBLIC	7/10/2009		9,338	0.16	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	SUMMARY/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0991AZ

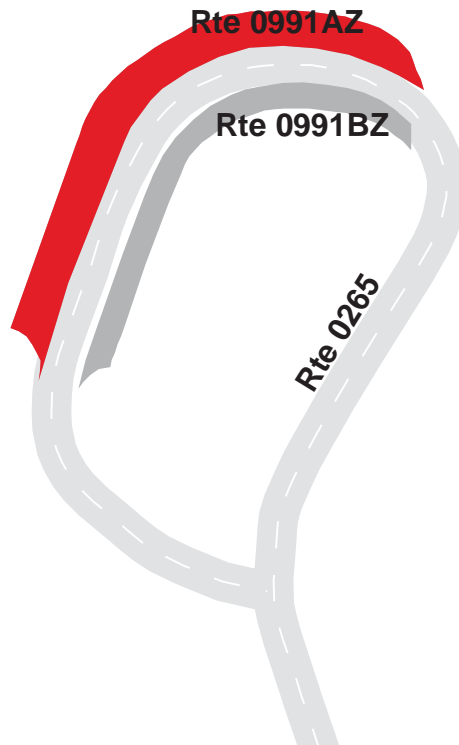
MORAN POINT PARKING A

ADJACENT TO ROUTE 0265 (MORAN POINT ROAD) ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0991AZ	PUBLIC	7/10/2009		6,064	0.10	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0991BZ

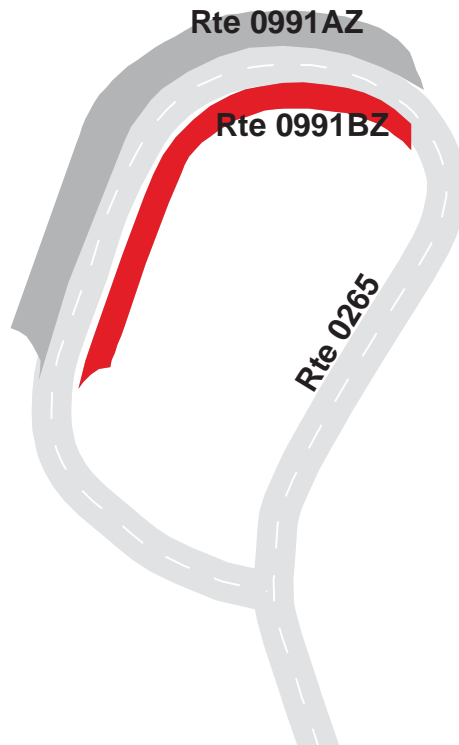
MORAN POINT PARKING B

ADJACENT TO ROUTE 0265 (MORAN POINT ROAD) ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0991BZ	PUBLIC	7/10/2009		3,275	0.06	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0992

VISITOR CENTER BUS PARKING
FROM ROUTE 0485 (EMPLOYEE SERVICE ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0992	NONPUBLIC	7/10/2009		0	0.00	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	CONSTRUCT/100

* Lane miles are based on 11' lane widths

"NOTE: Under construction, no data was collected in Cycle 4."



GRAND CANYON NATIONAL PARK

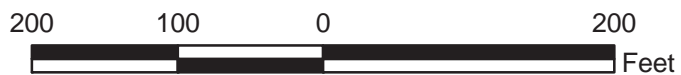
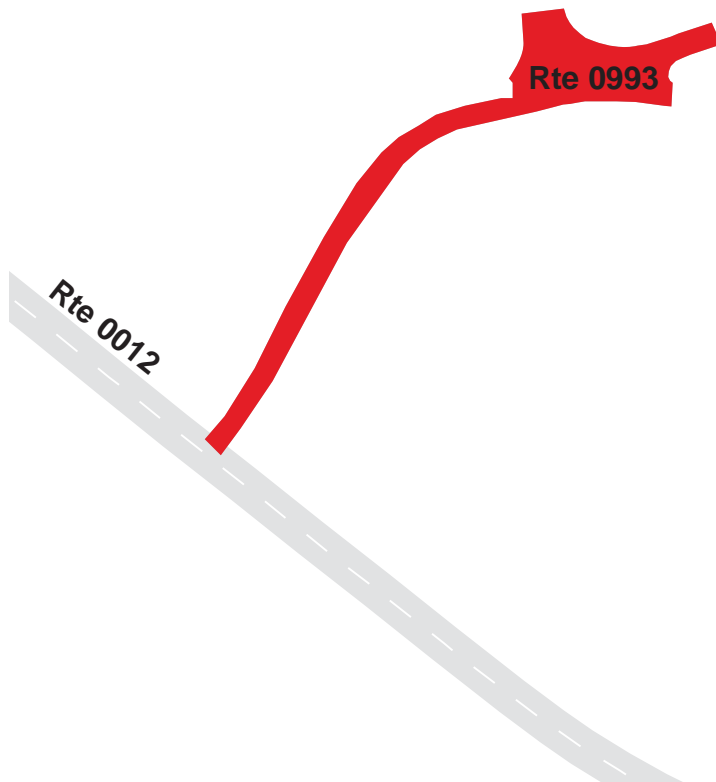
Route 0993

BOOK STORE EMPLOYEE PARKING
 FROM ROUTE 0012 (SOUTH ENTRANCE ROAD)
 TO ROUTE 0485 (EMPLOYEE SERVICE ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0993	NONPUBLIC	7/10/2009		8,796	0.15	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	CONSTRUCT/100

* Lane miles are based on 11' lane widths

"NOTE: Under construction, no data was collected in Cycle 4."



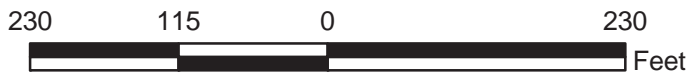
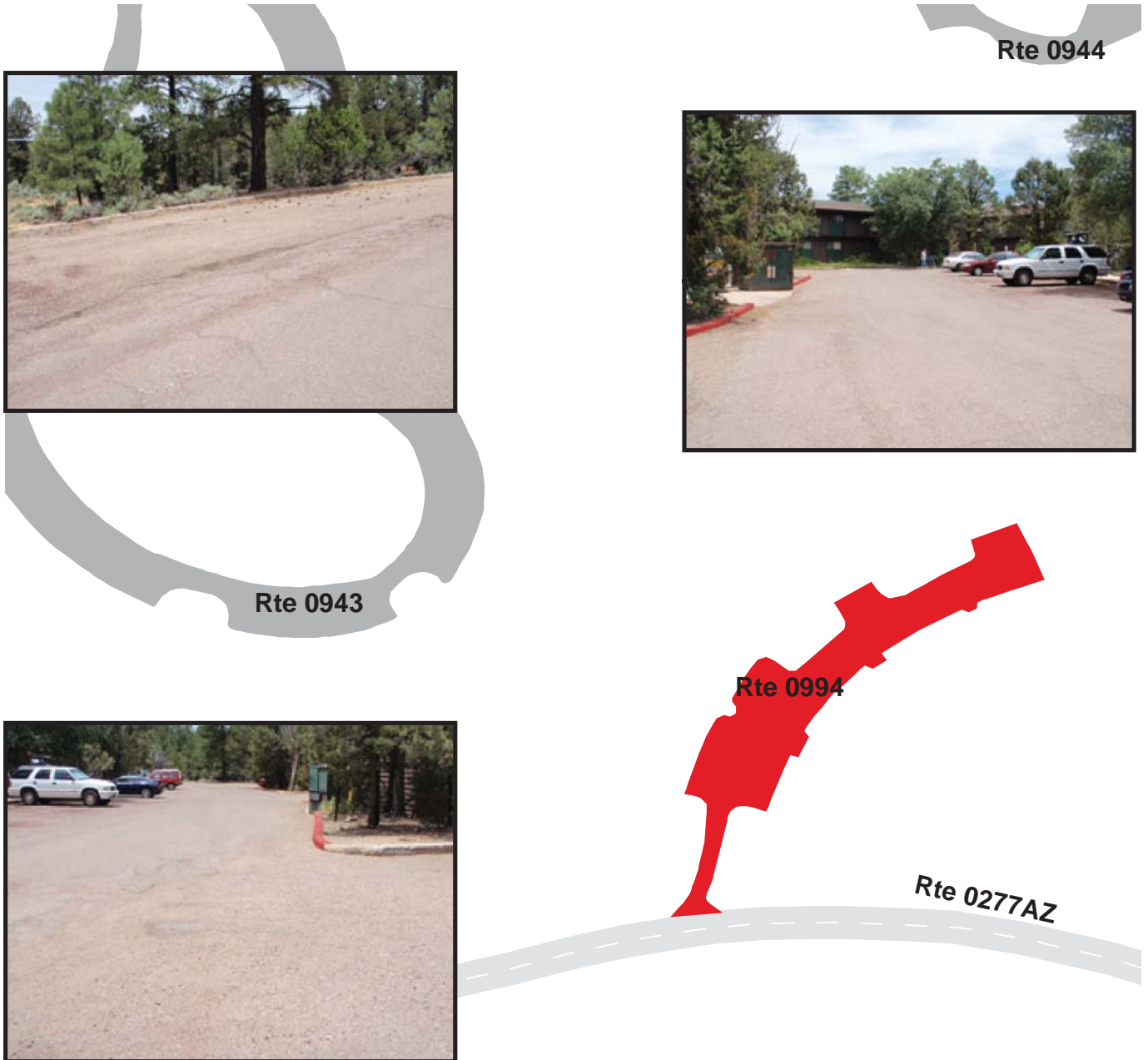
GRAND CANYON NATIONAL PARK

Route 0994

TRAILER VILLAGE DORM PARKING
FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0994	NONPUBLIC	7/10/2009		19,039	0.33	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	0	NO CURB AND GUTTER	STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

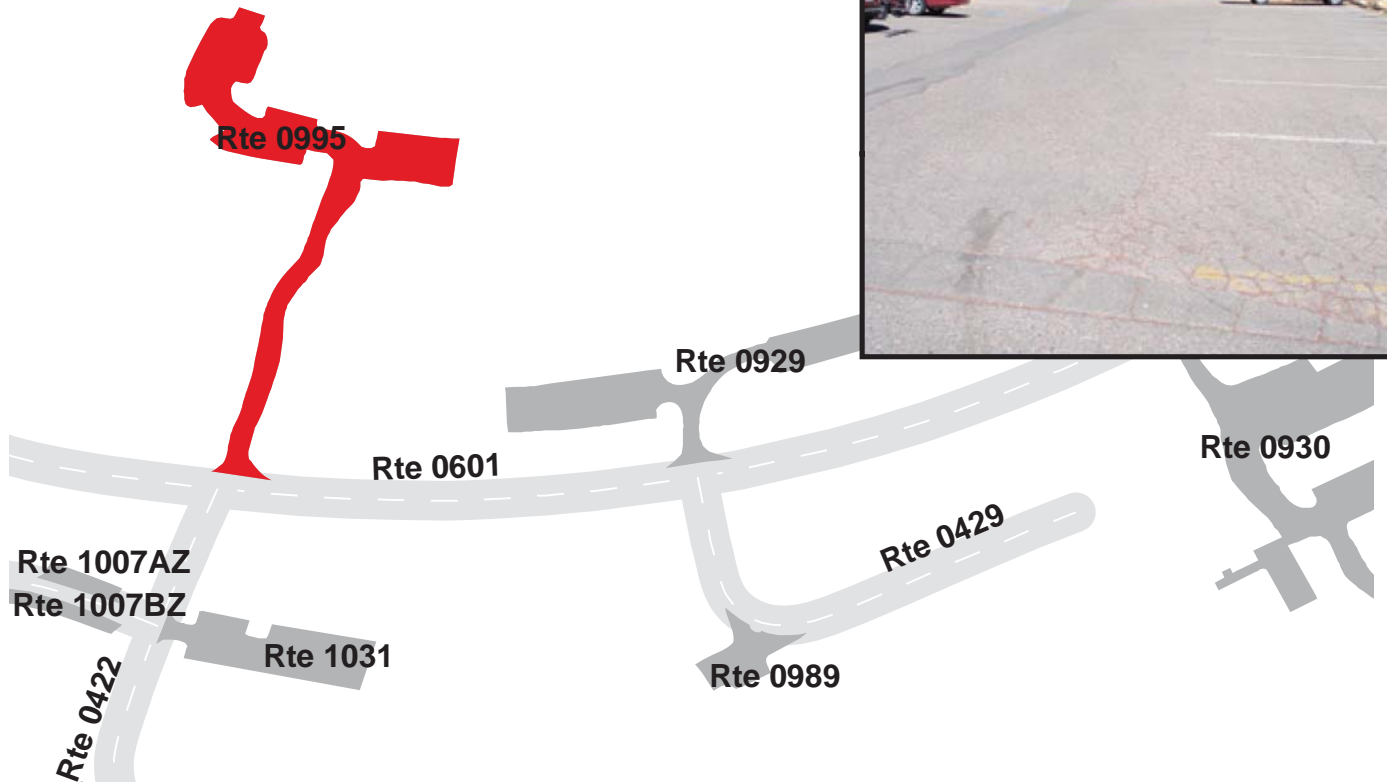
Route 0995

DAY CARE AND RECREATION CENTER PARKING

FROM INTERSECTION OF ROUTES 0601 (ALBRIGHT AVENUE) AND 0422 (SOUTH MOHAVE STREET)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0995	PUBLIC	7/8/2009		32,541	0.56	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	1	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

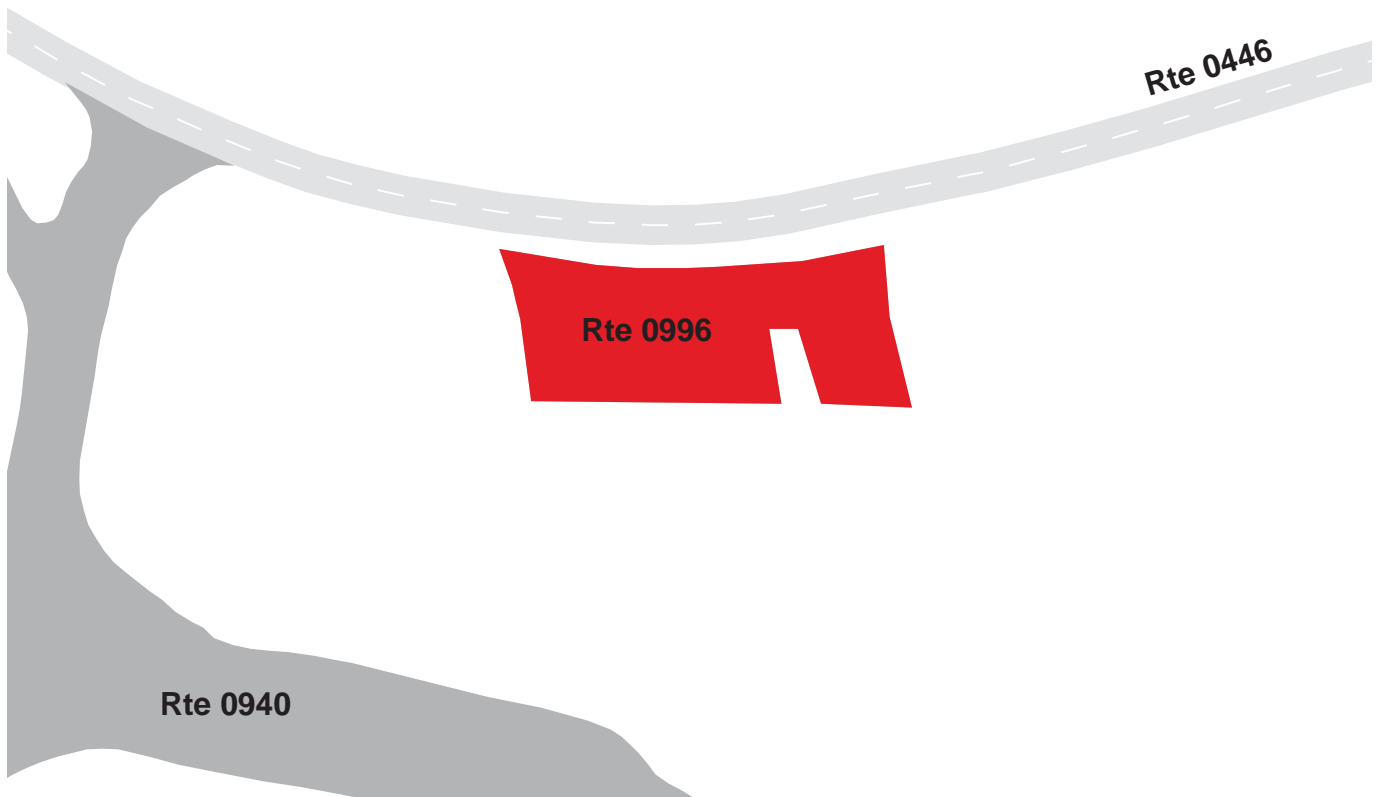
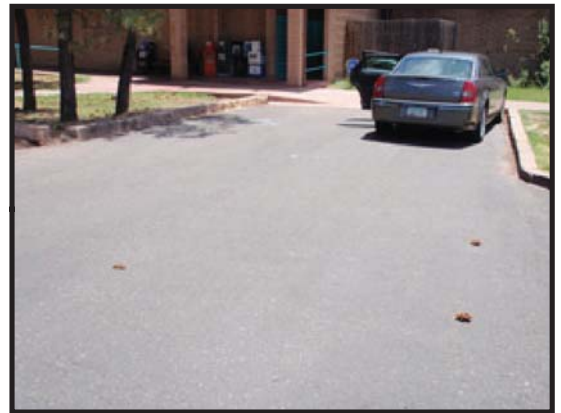
Route 0996

YAVAPAI LODGE BUS PARKING

ADJACENT TO ROUTE 0446 (WEST SHUTTLE ACCESS ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0996	PUBLIC	7/8/2009		4,649	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0997

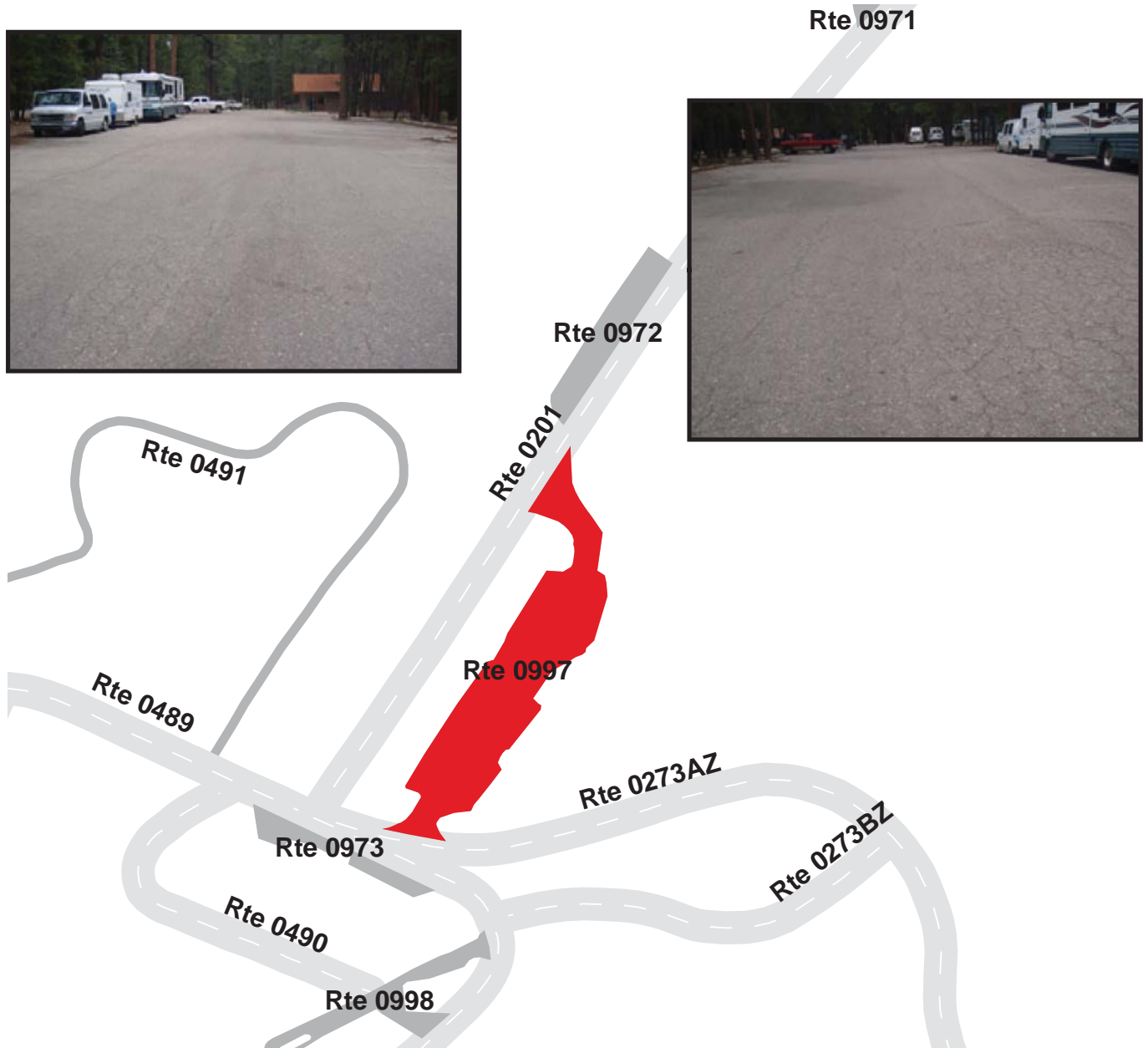
CAMPGROUND REGISTRATION/ CAMPFIRE PROGRAM PARKING

FROM ROUTE 0201 (NORTH RIM CAMPGROUND ROAD)

TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0997	PUBLIC	7/10/2009		19,479	0.34	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 0998

NORTH RIM CAMPGROUND DUMP STATION
 FROM ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
 TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0998	PUBLIC	7/10/2009		6,959	0.12	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



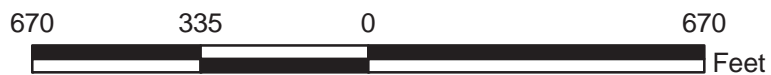
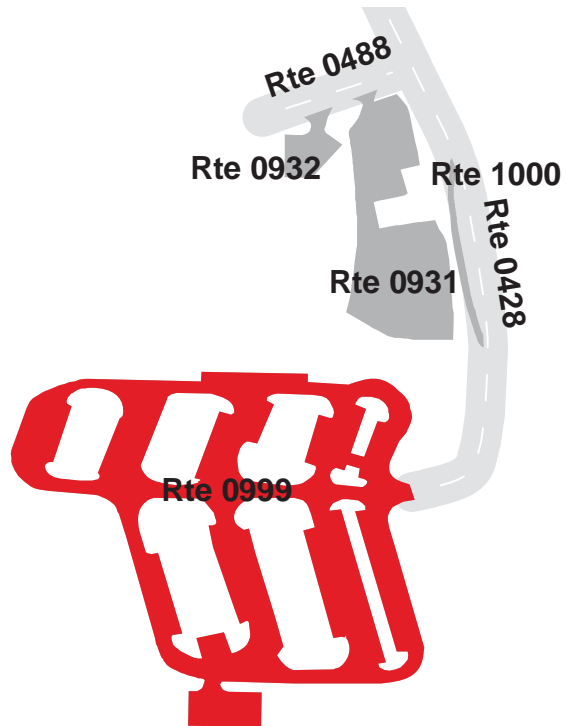
GRAND CANYON NATIONAL PARK

Route 0999

NEW MAINTENANCE AREA
FROM END OF ROUTE 0428 (SHUTTLE BUS ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0999	NONPUBLIC	7/7/2009		181,685	3.13	CO
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	5	1	4	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1000

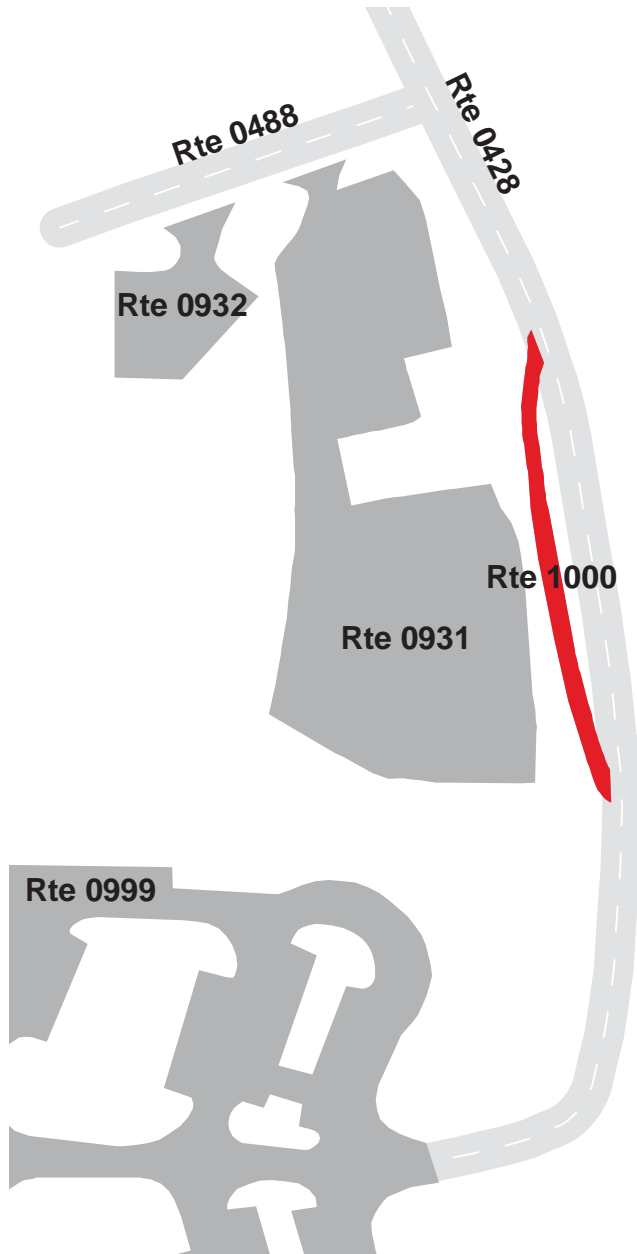
WEIGH STATION

FROM ROUTE 0428 (SHUTTLE BUS ROAD)

TO ROUTE 0428 (SHUTTLE BUS ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1000	NONPUBLIC	7/7/2009		3,956	0.07	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

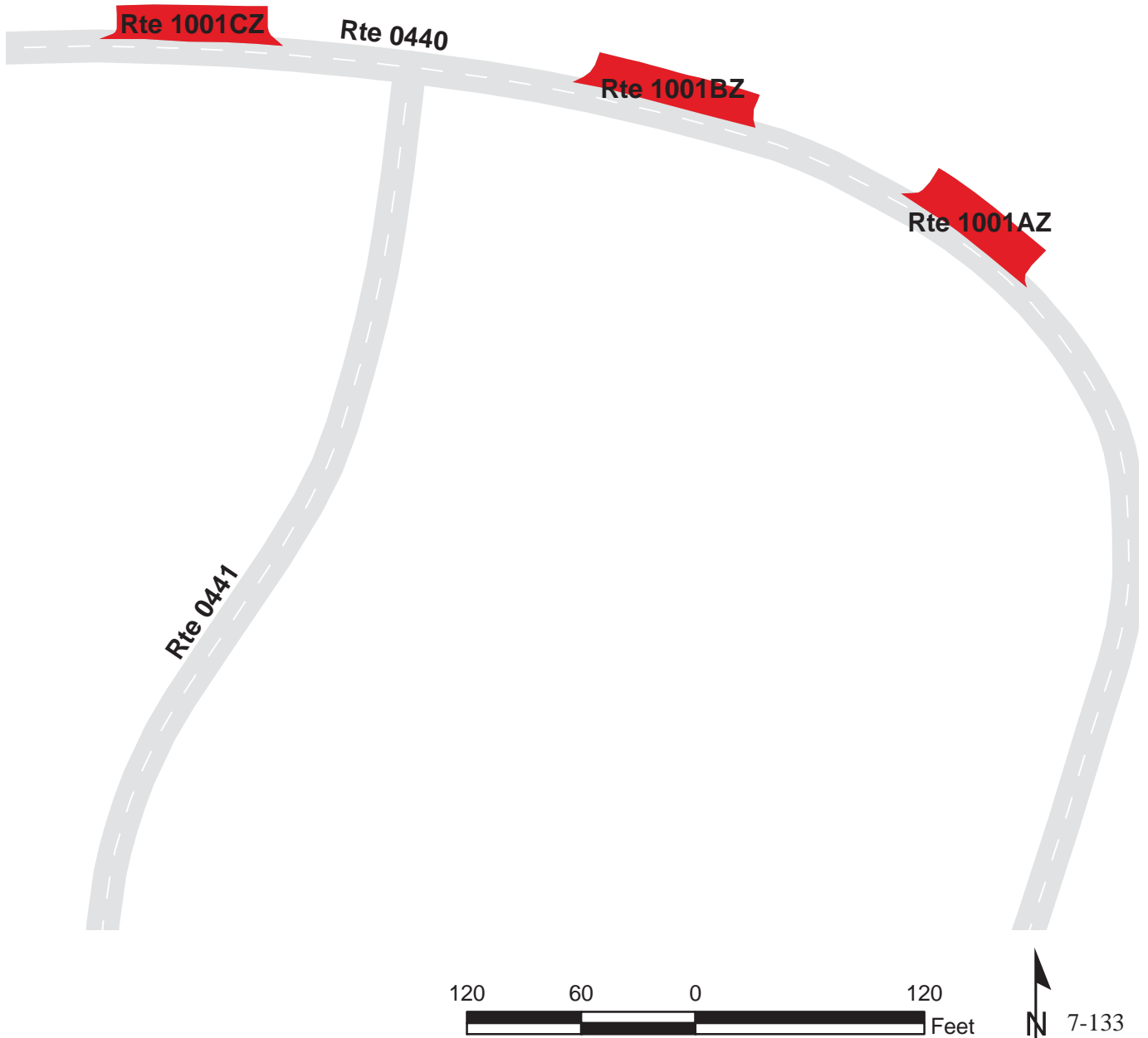
Route 1001ZZ

RANDY THOMPSON CIRCLE PARKING AREAS
ADJACENT TO ROUTE 0440 (RANDY THOMPSON CIRCLE)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1001ZZ	NONPUBLIC	7/8/2009		3,779	0.06	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	SUMMARY/84.41

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

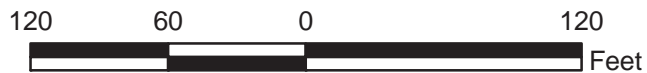
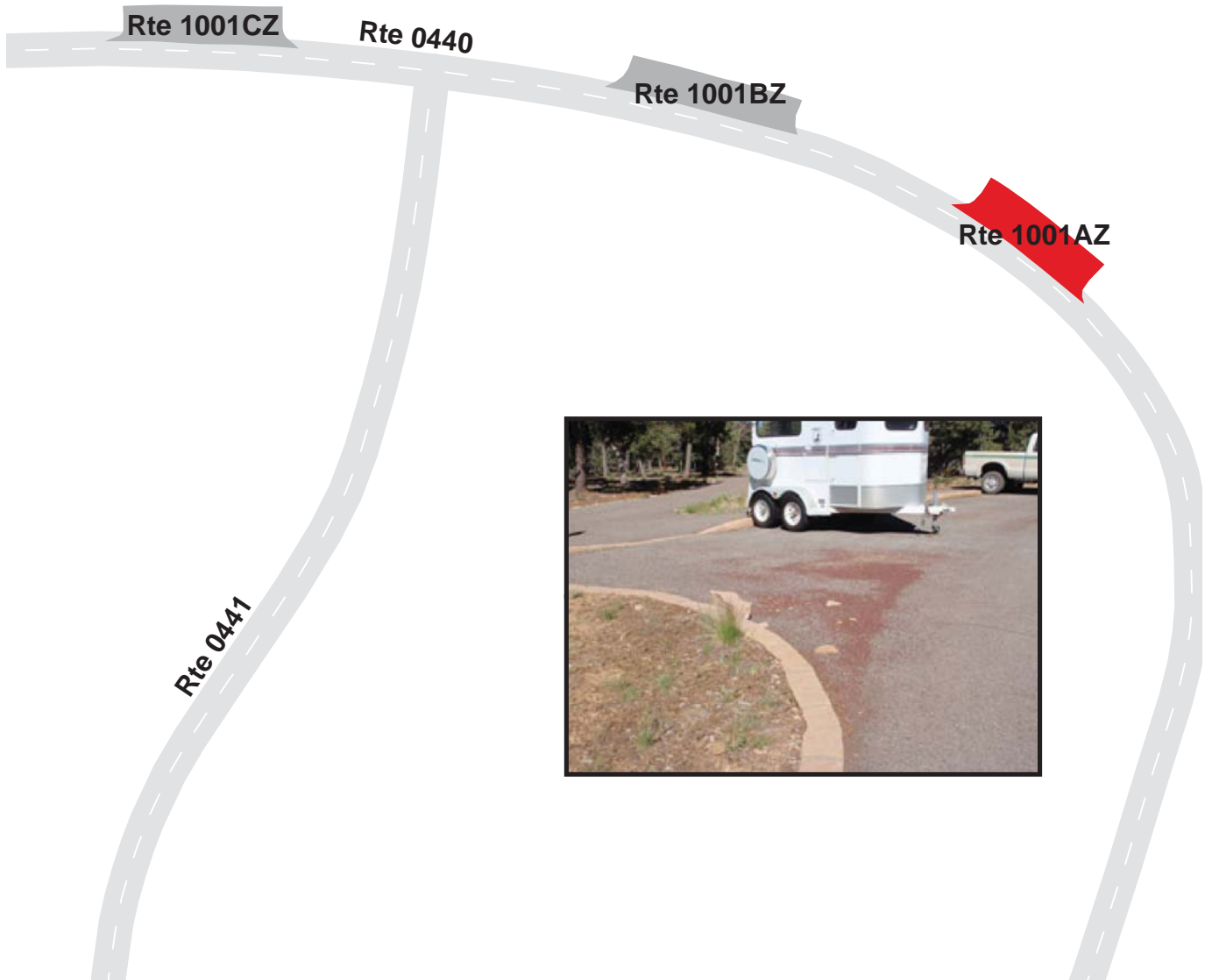
Route 1001AZ

RANDY THOMPSON CIRCLE PARKING A
 ADJACENT TO ROUTE 0440 (RANDY THOMPSON CIRCLE) AT MP 0.33

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1001AZ	NONPUBLIC	7/8/2009		1,246	0.02	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1001BZ

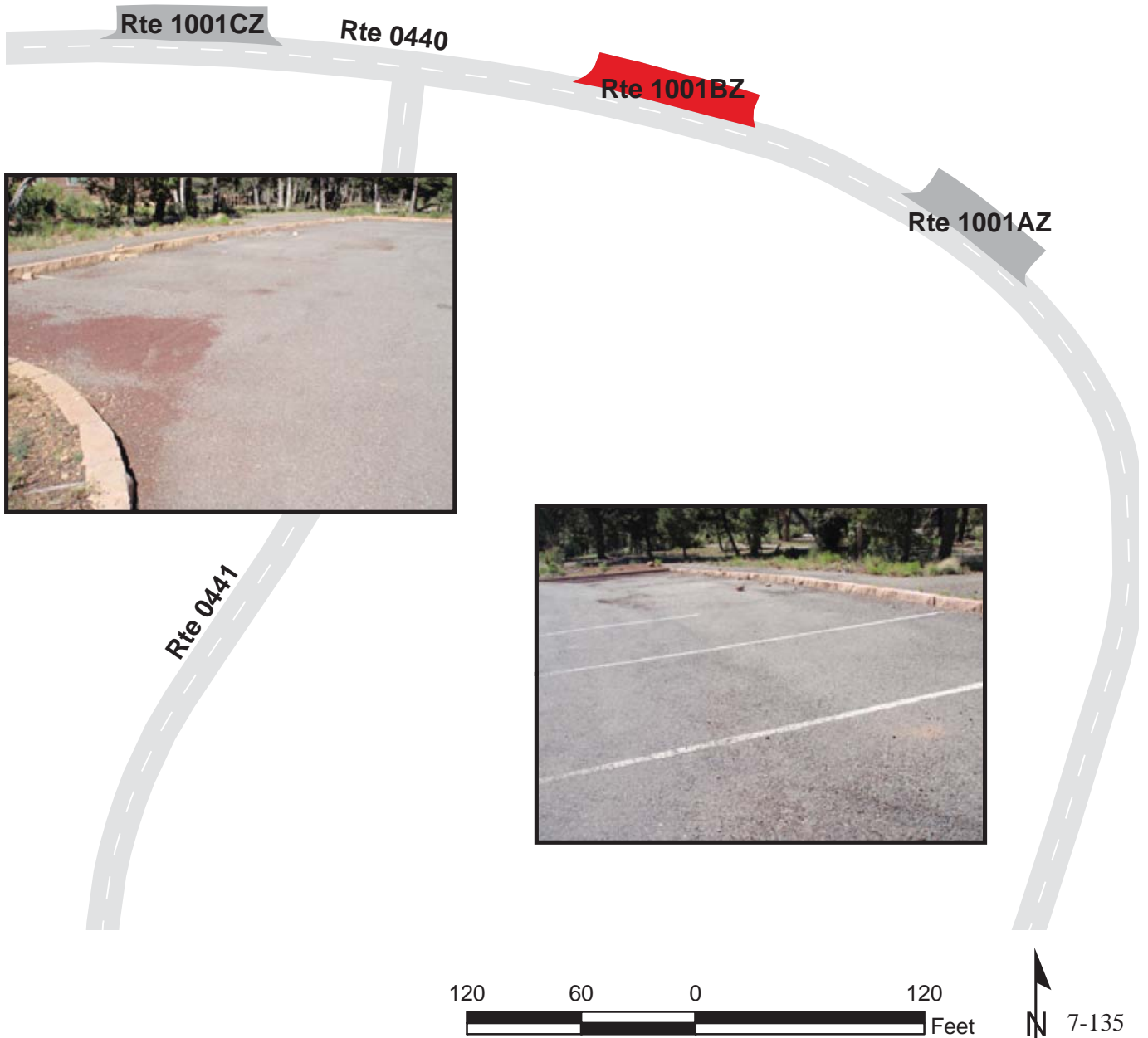
RANDY THOMPSON CIRCLE PARKING B

ADJACENT TO ROUTE 0440 (RANDY THOMPSON CIRCLE) AT MP 0.36

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1001BZ	NONPUBLIC	7/8/2009		1,290	0.02	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1001CZ

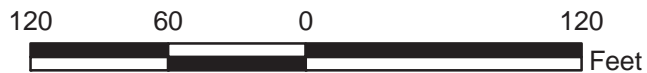
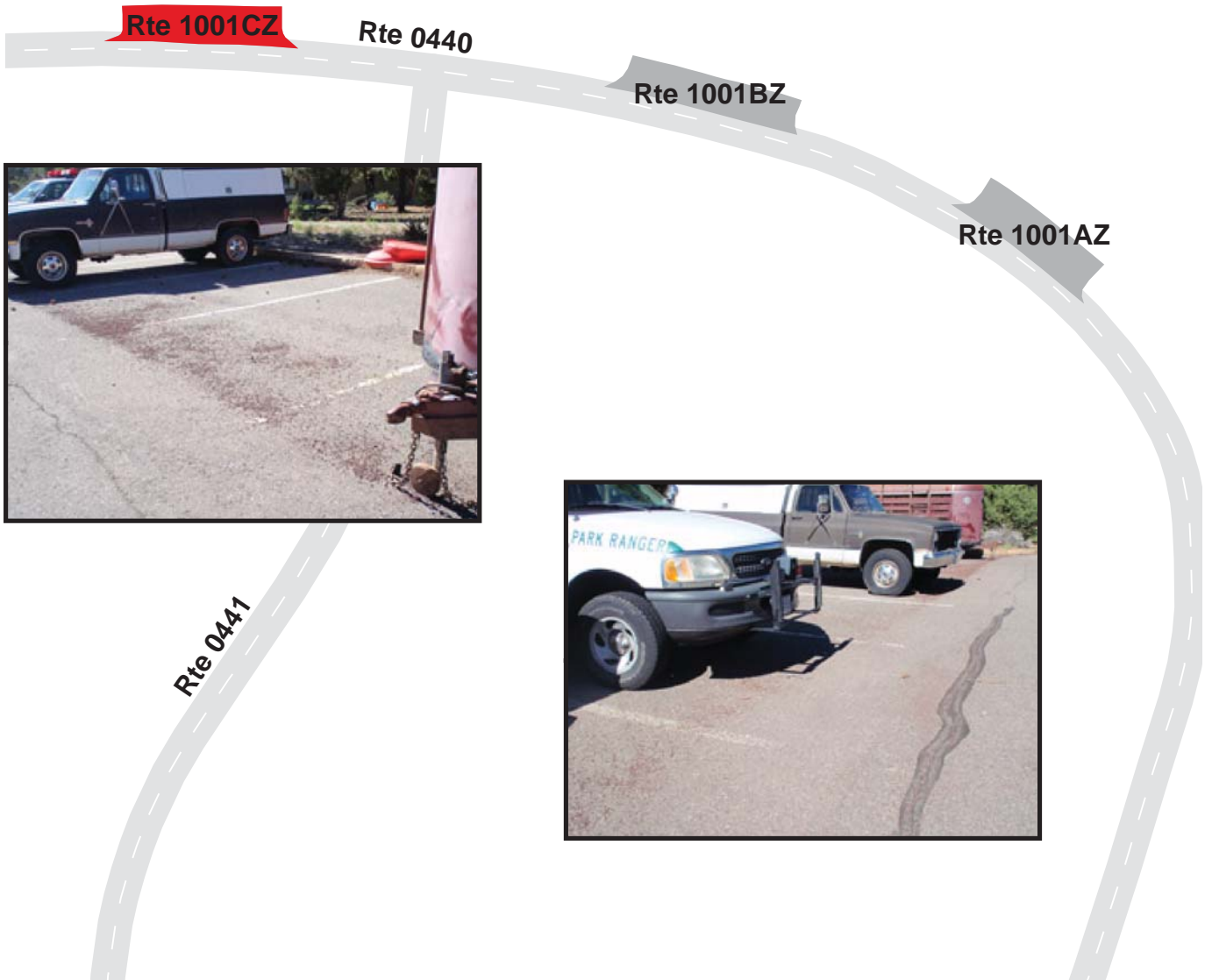
RANDY THOMPSON CIRCLE PARKING C

ADJACENT TO ROUTE 0440 (RANDY THOMPSON CIRCLE) AT MP 0.40

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1001CZ	NONPUBLIC	7/8/2009		1,243	0.02	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



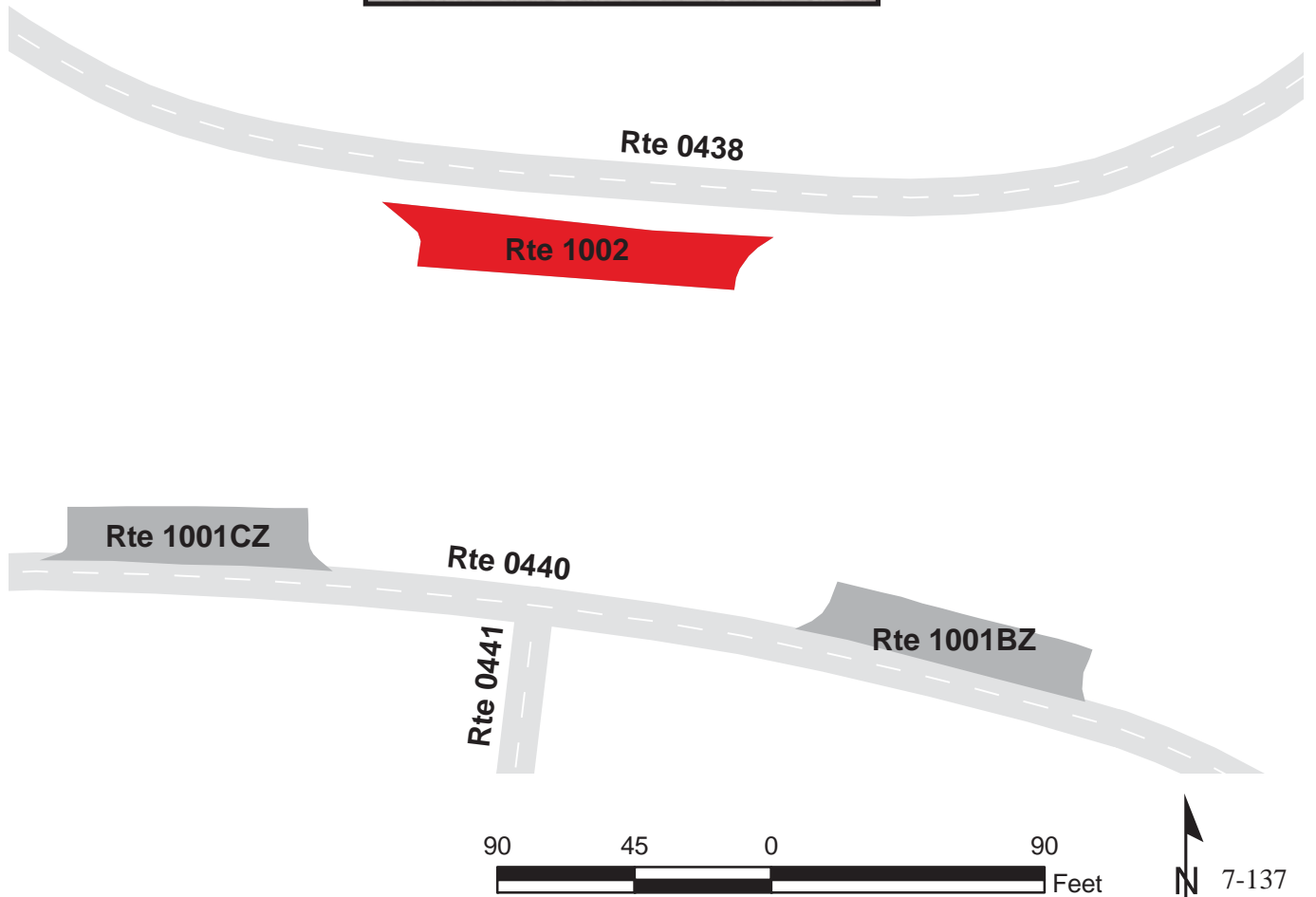
GRAND CANYON NATIONAL PARK

Route 1002

BARRY HANCE CIRCLE PARKING
ADJACENT TO ROUTE 0438 (BARRY HANCE CIRCLE)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1002	NONPUBLIC	7/8/2009		1,671	0.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

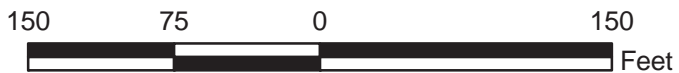
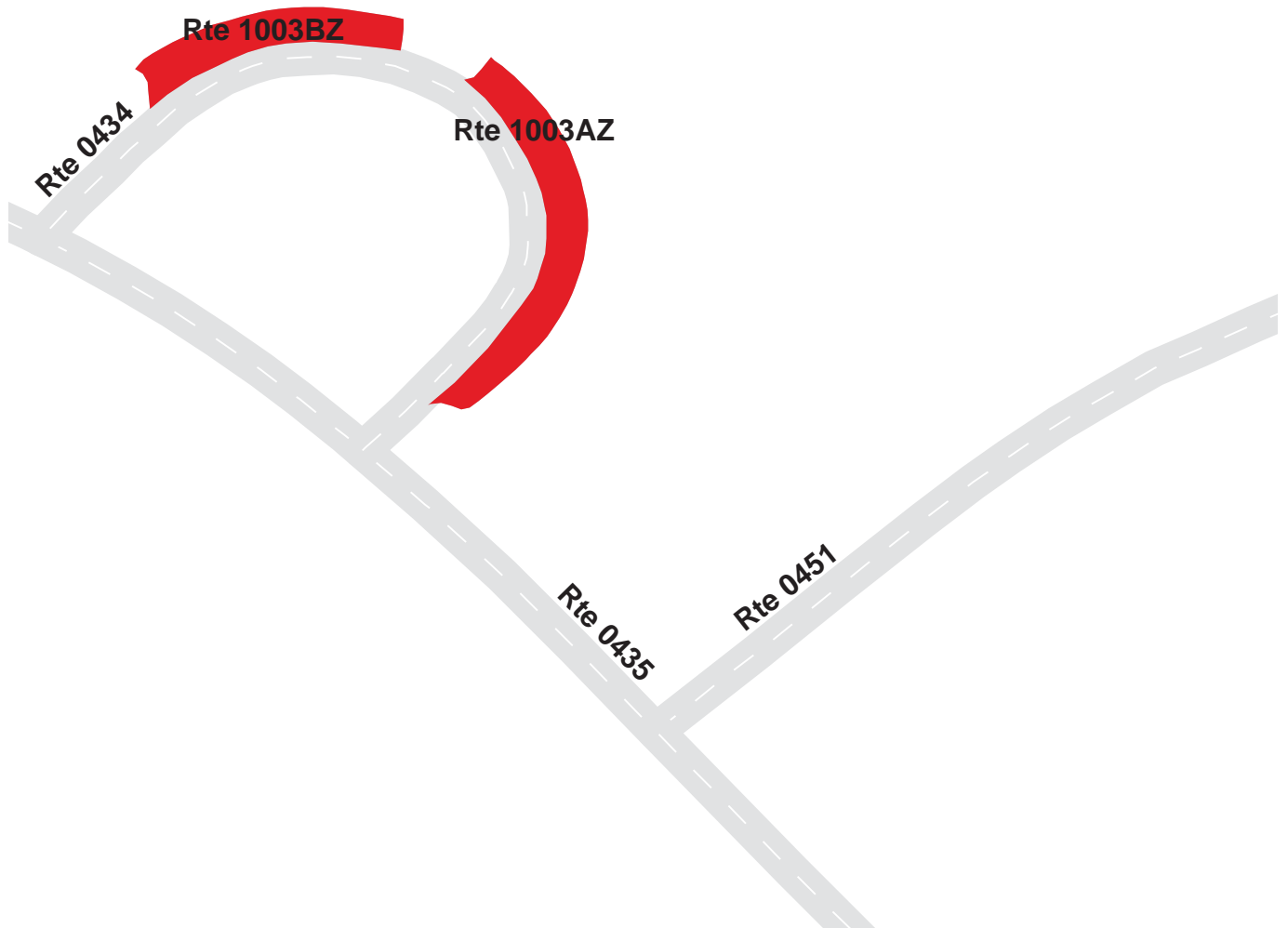
Route 1003ZZ

HERMIT CIRCLE PARKING AREAS
ADJACENT TO ROUTE 0434 (HERMIT CIRCLE)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1003ZZ	NONPUBLIC	7/8/2009		6,236	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	SUMMARY/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1003AZ

HERMIT CIRCLE PARKING A

ADJACENT TO ROUTE 0434 (HERMIT CIRCLE)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1003AZ	NONPUBLIC	7/8/2009		3,771	0.07	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1003BZ

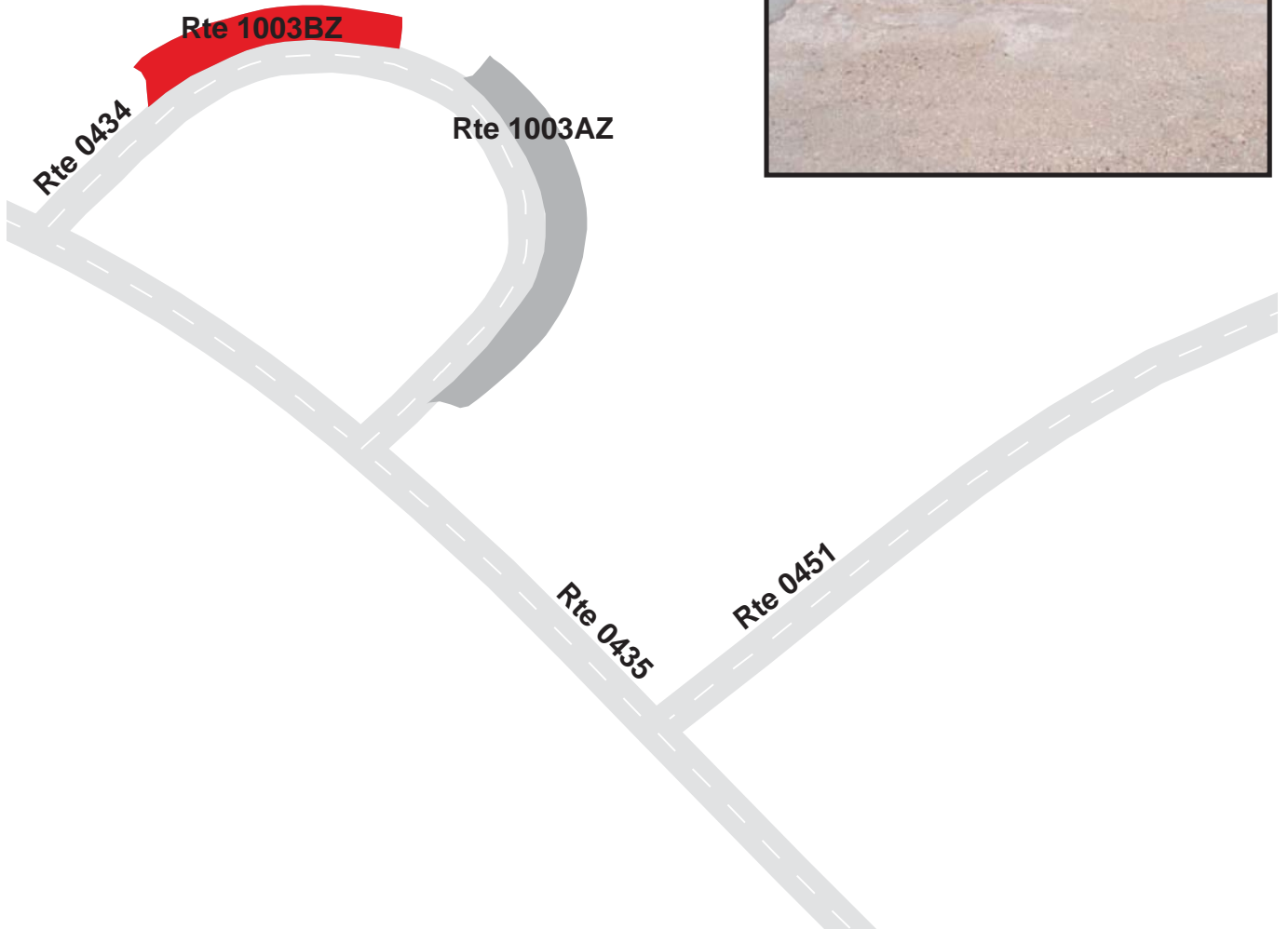
HERMIT CIRCLE PARKING B

ADJACENT TO ROUTE 0434 (HERMIT CIRCLE)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1003BZ	NONPUBLIC	7/8/2009		2,465	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



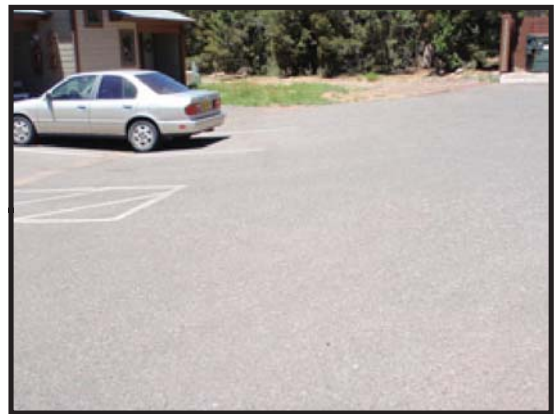
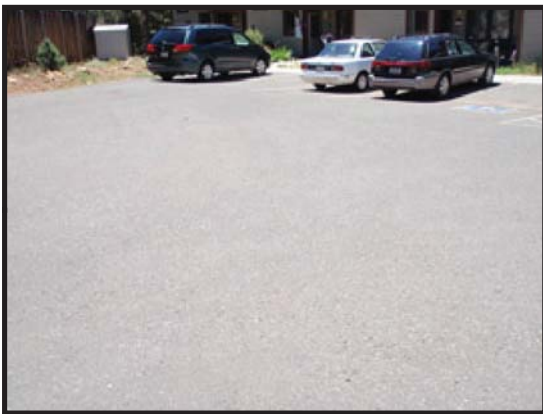
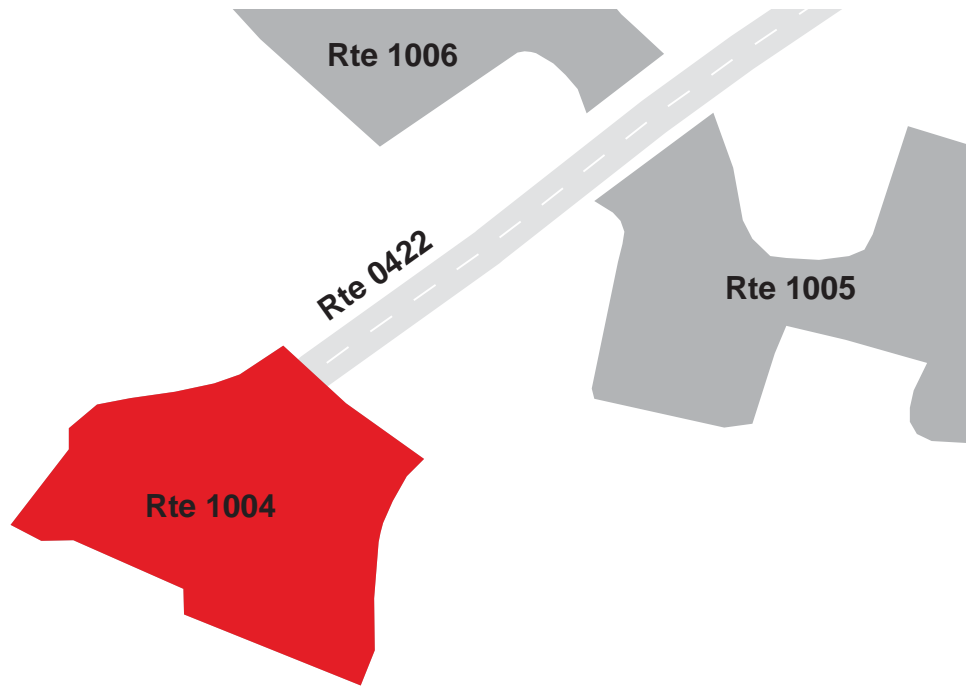
GRAND CANYON NATIONAL PARK

Route 1004

MOHAVE SOUTH STREET PARKING
 FROM END OF ROUTE 0422 (SOUTH MOHAVE STREET)
 TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1004	NONPUBLIC	7/7/2009		4,745	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



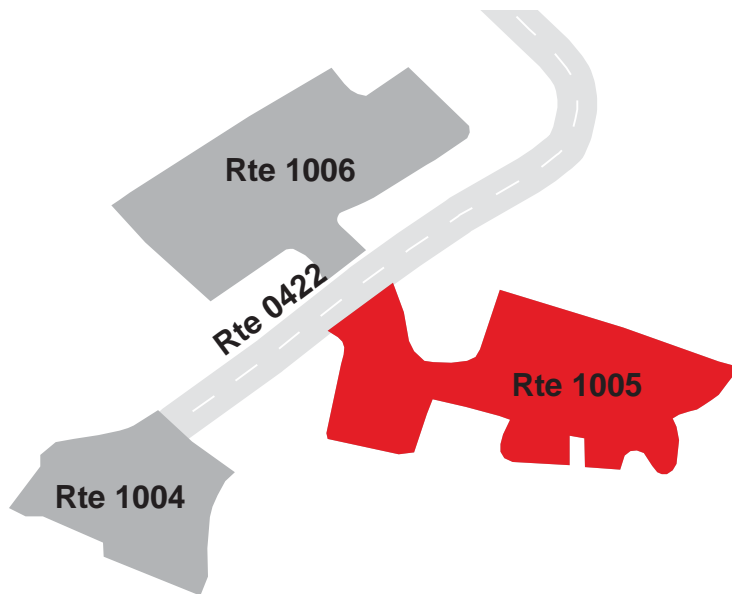
GRAND CANYON NATIONAL PARK

Route 1005

DELEWARE NORTH APARTMENT PARKING
 FROM ROUTE 0422 (SOUTH MOHAVE STREET) ON LEFT
 TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1005	NONPUBLIC	7/9/2009		9,239	0.16	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



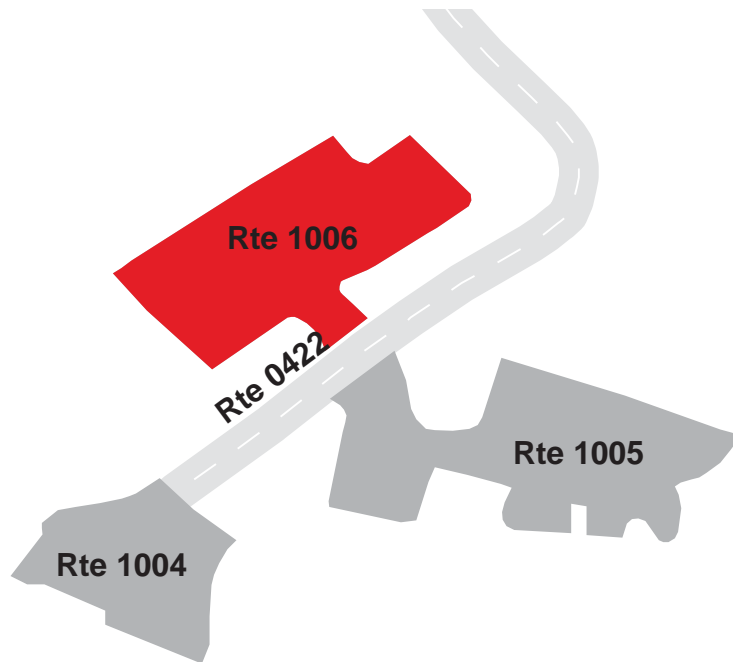
GRAND CANYON NATIONAL PARK

Route 1006

GRAND CANYON DELEWARE NORTH PARKING
FROM ROUTE 0422 (SOUTH MOHAVE STREET) ON RIGHT
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1006	NONPUBLIC	7/9/2009		8,706	0.15	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	1	NO CURB AND GUTTER	CONCRETE CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

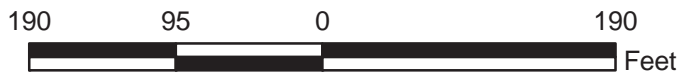
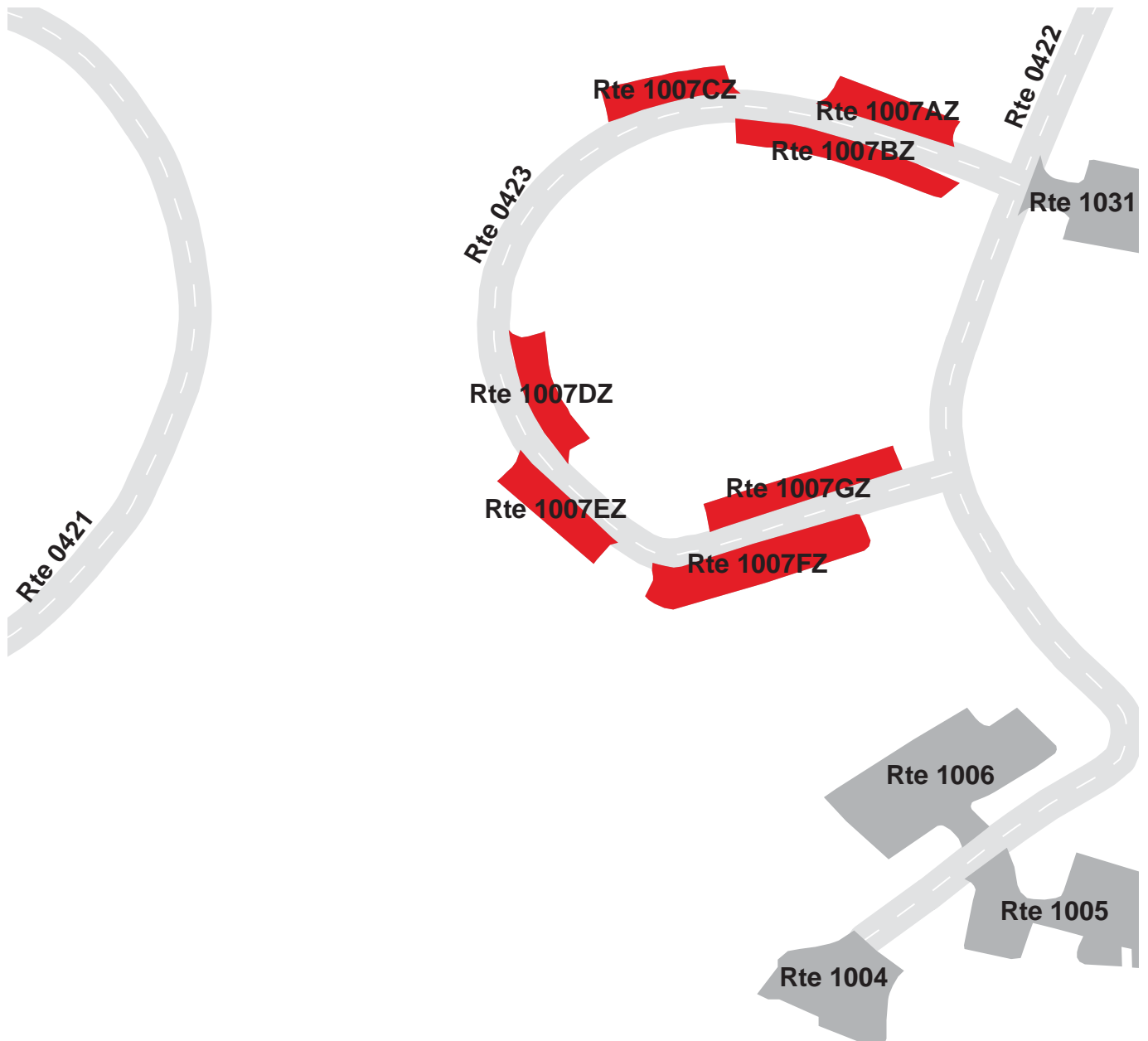
Route 1007ZZ

MOHAVE COURT PARKING AREAS
ADJACENT TO ROUTE 0423 (MOHAVE COURT)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1007ZZ	NONPUBLIC	7/9/2009		17,619	0.30	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	NO CURB	SUMMARY/58.45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1007AZ

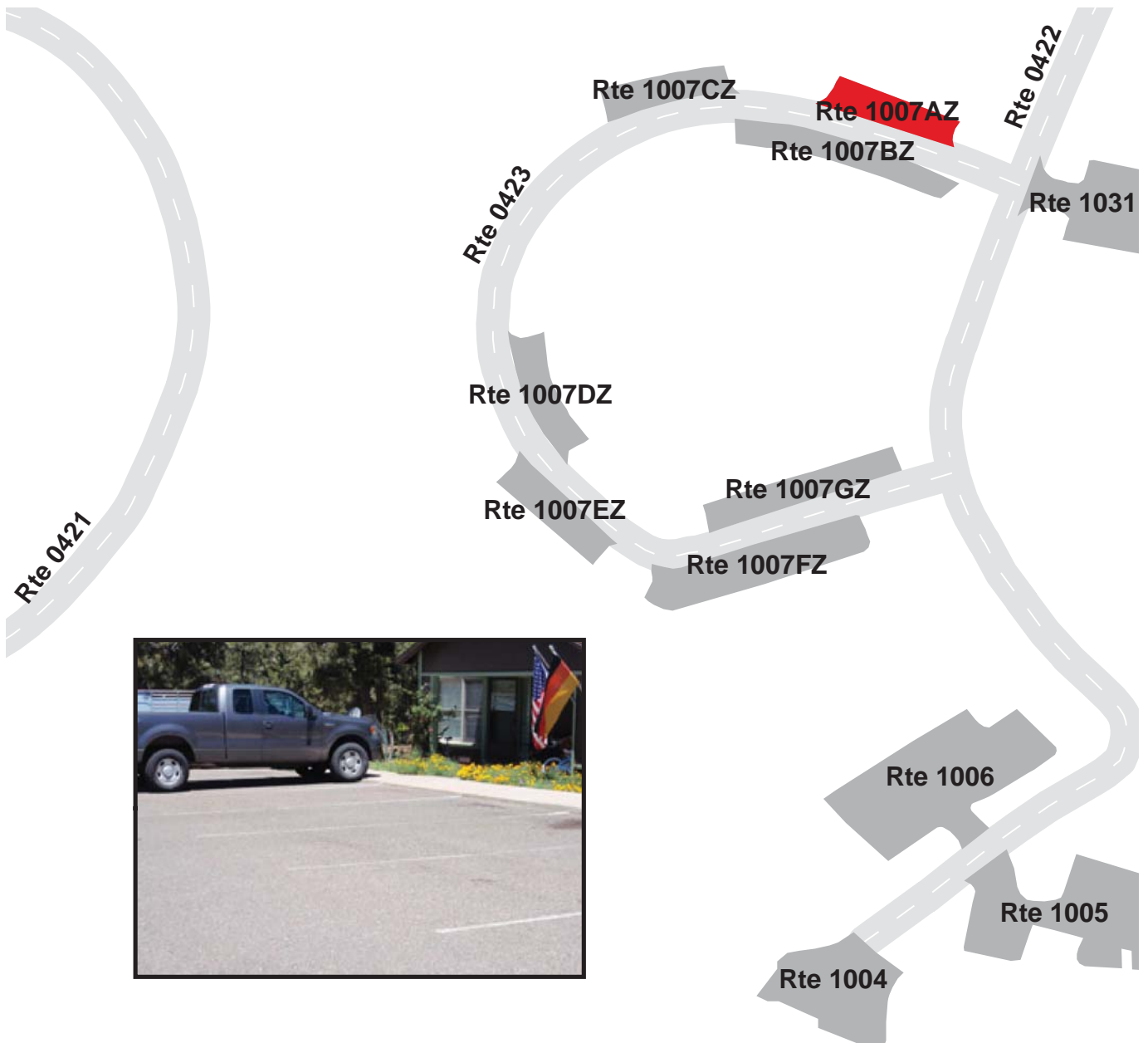
MOHAVE COURT PARKING A

ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.02 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1007AZ	NONPUBLIC	7/9/2009		1,927	0.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1007BZ

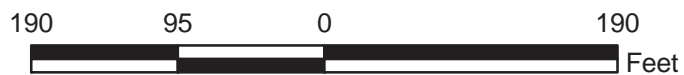
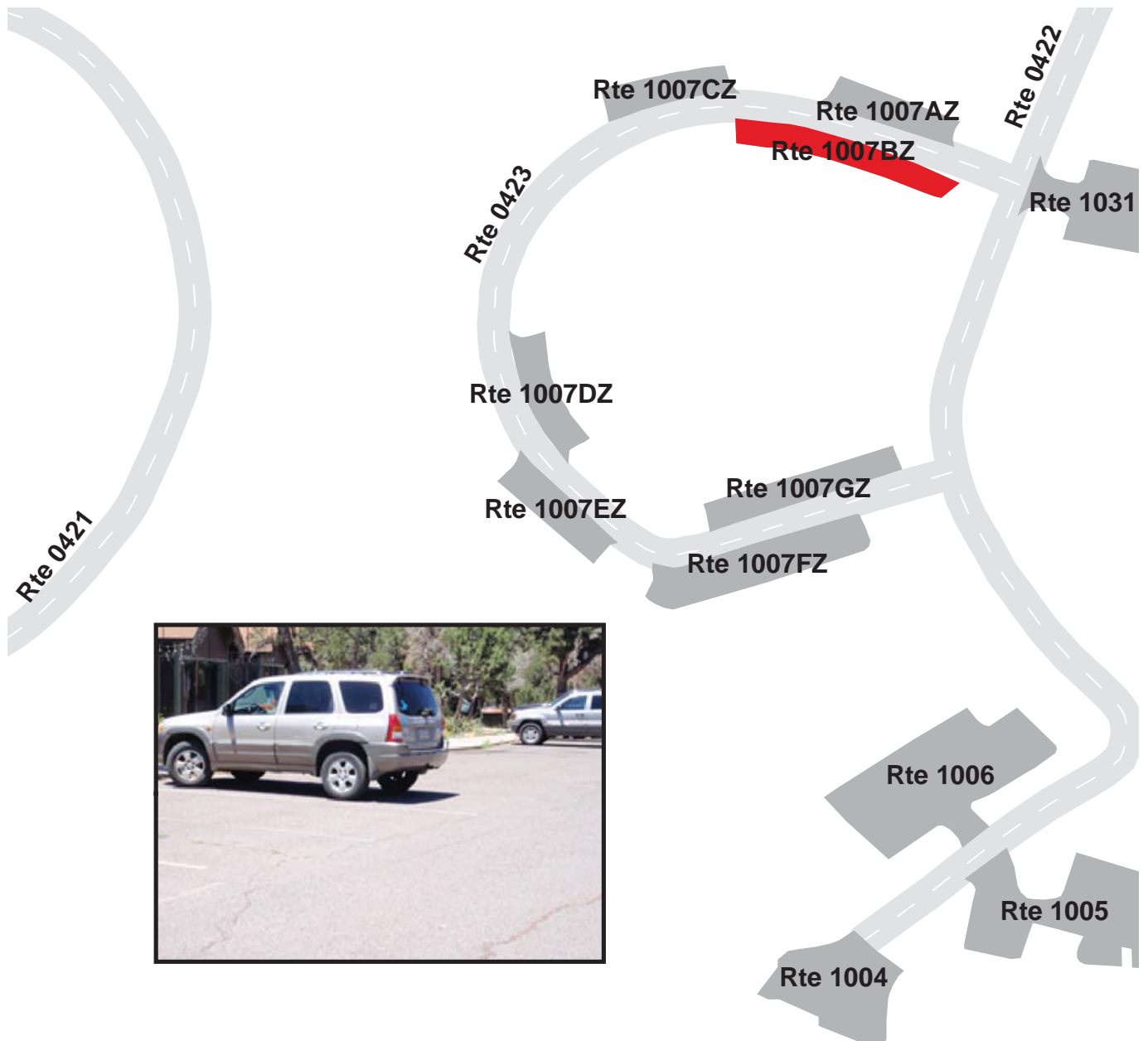
MOHAVE COURT PARKING B

ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.02 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1007BZ	NONPUBLIC	7/9/2009		2,673	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1007CZ

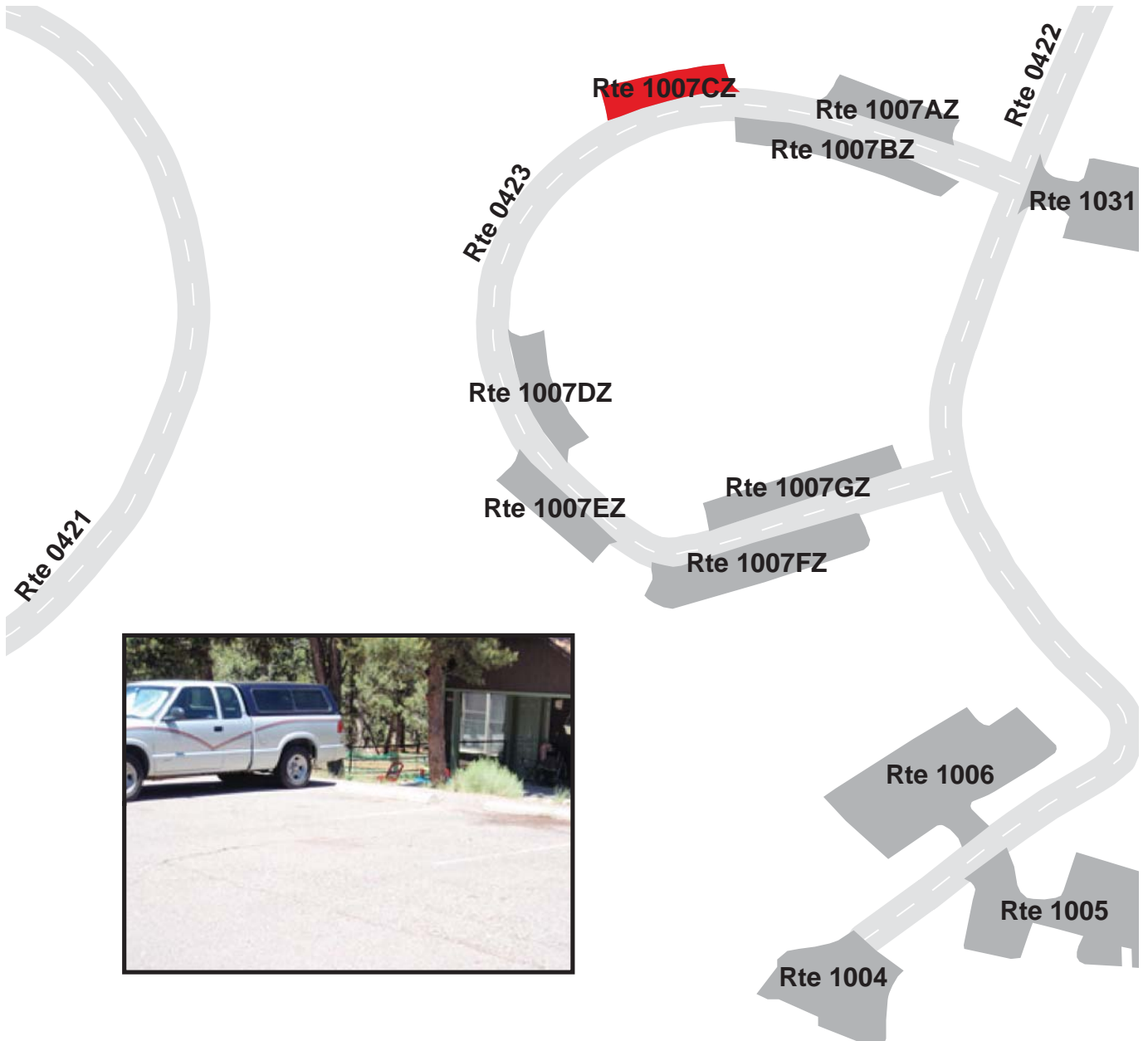
MOHAVE COURT PARKING C

ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.04 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1007CZ	NONPUBLIC	7/9/2009		1,835	0.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1007DZ

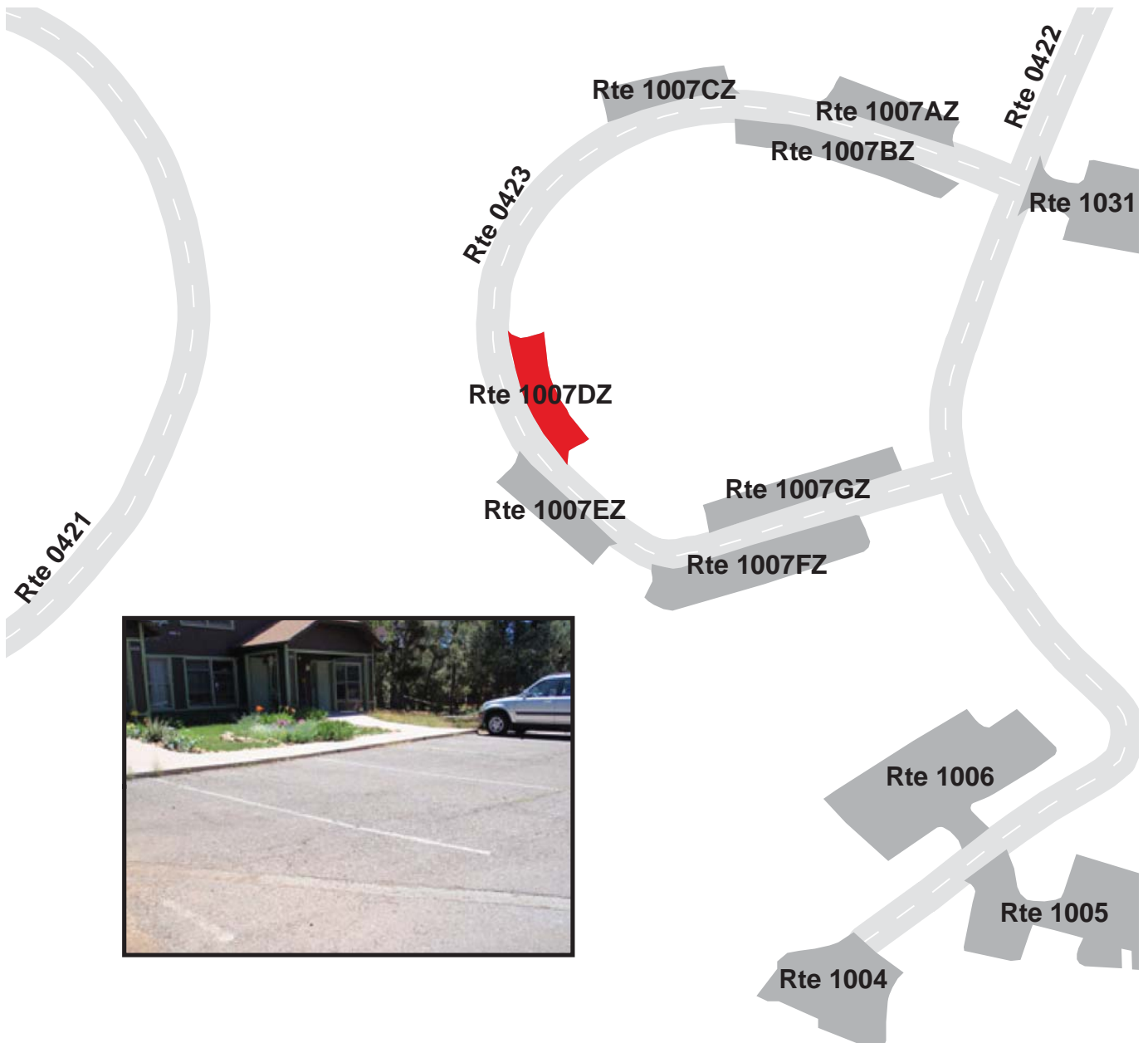
MOHAVE COURT PARKING D

ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.10 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1007DZ	NONPUBLIC	7/9/2009		2,029	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1007EZ

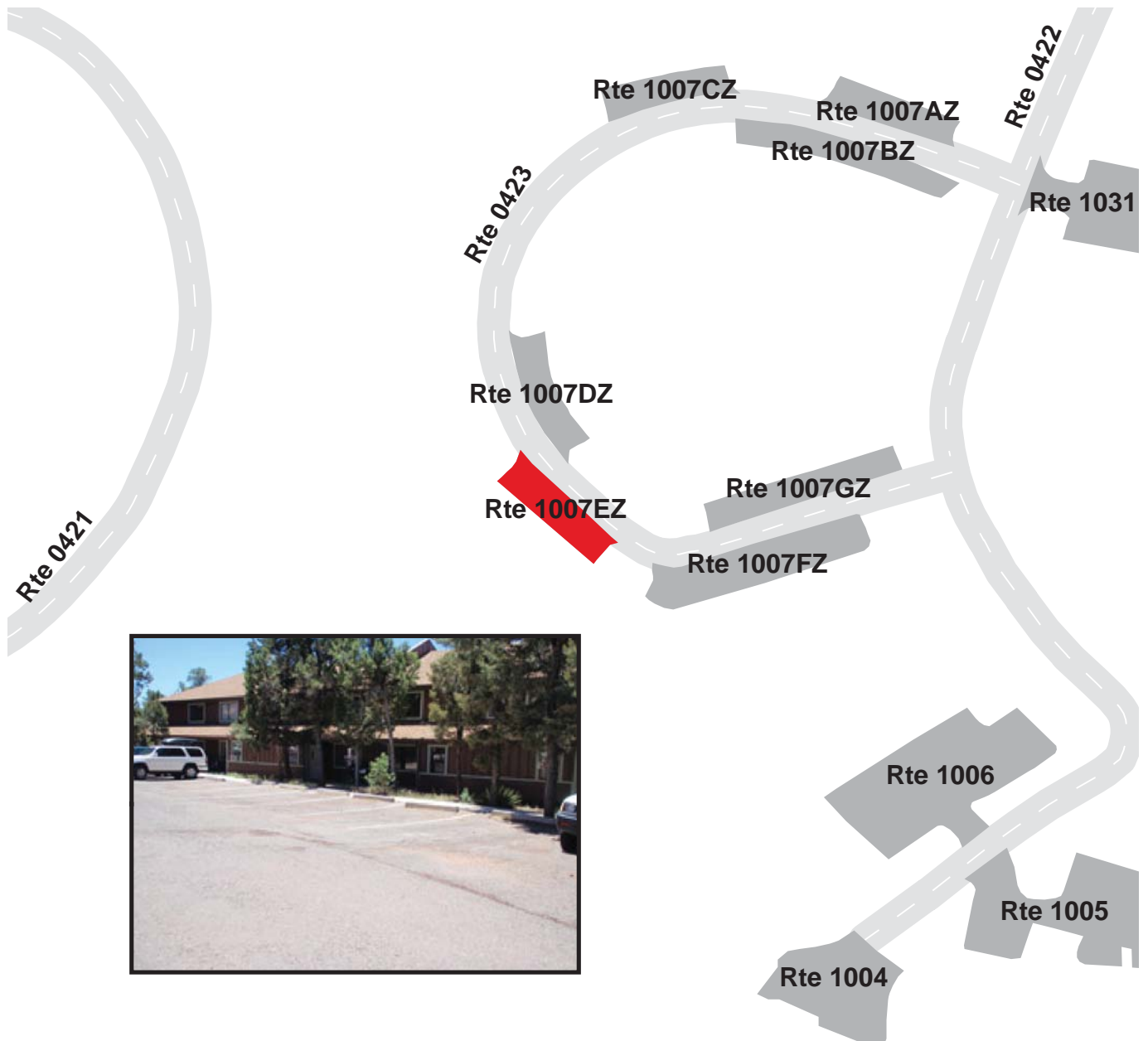
MOHAVE COURT PARKING E

ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.11 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1007EZ	NONPUBLIC	7/9/2009		2,139	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1007FZ

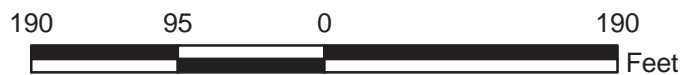
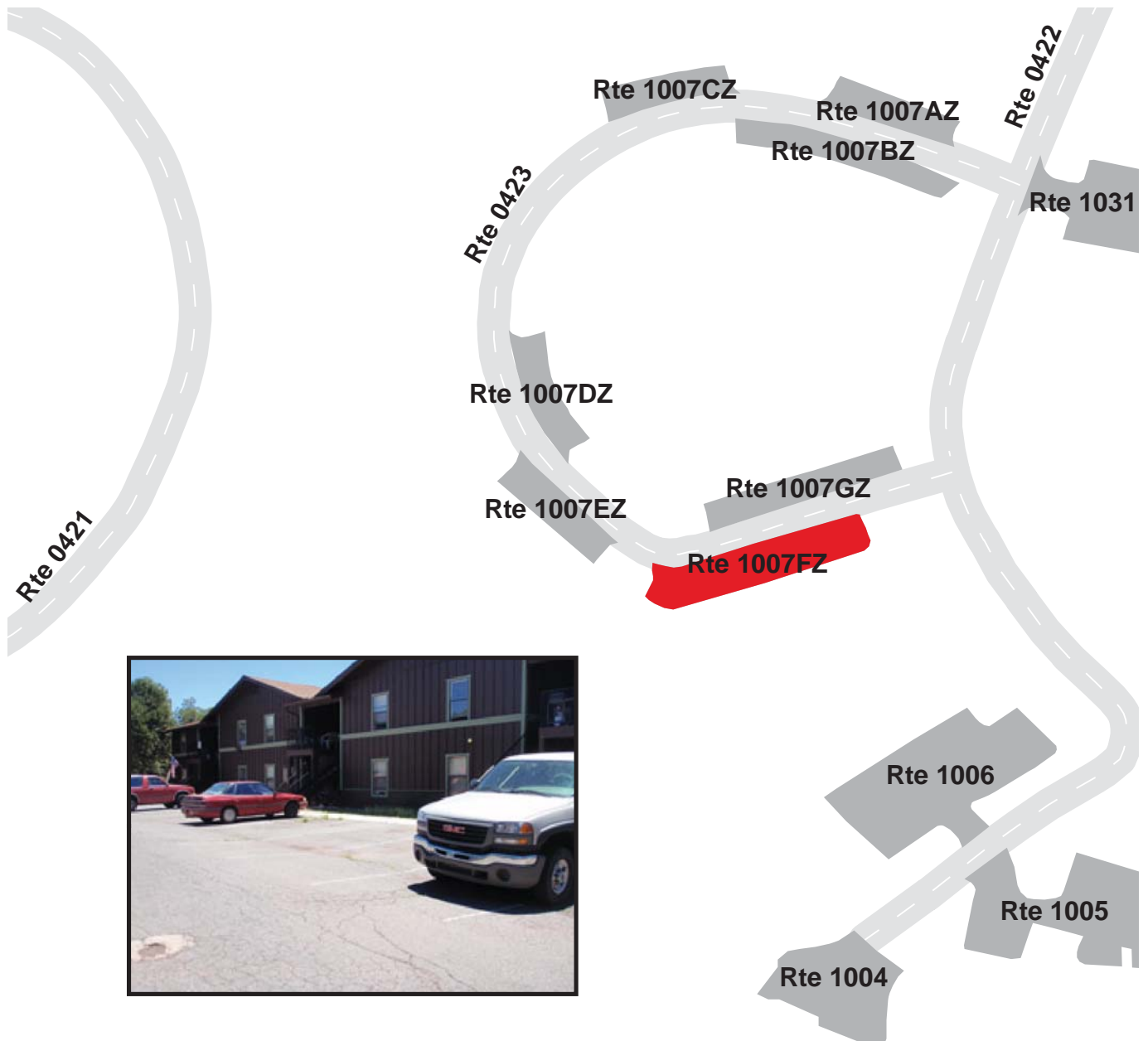
MOHAVE COURT PARKING F

ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.15 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1007FZ	NONPUBLIC	7/9/2009		4,379	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1007GZ

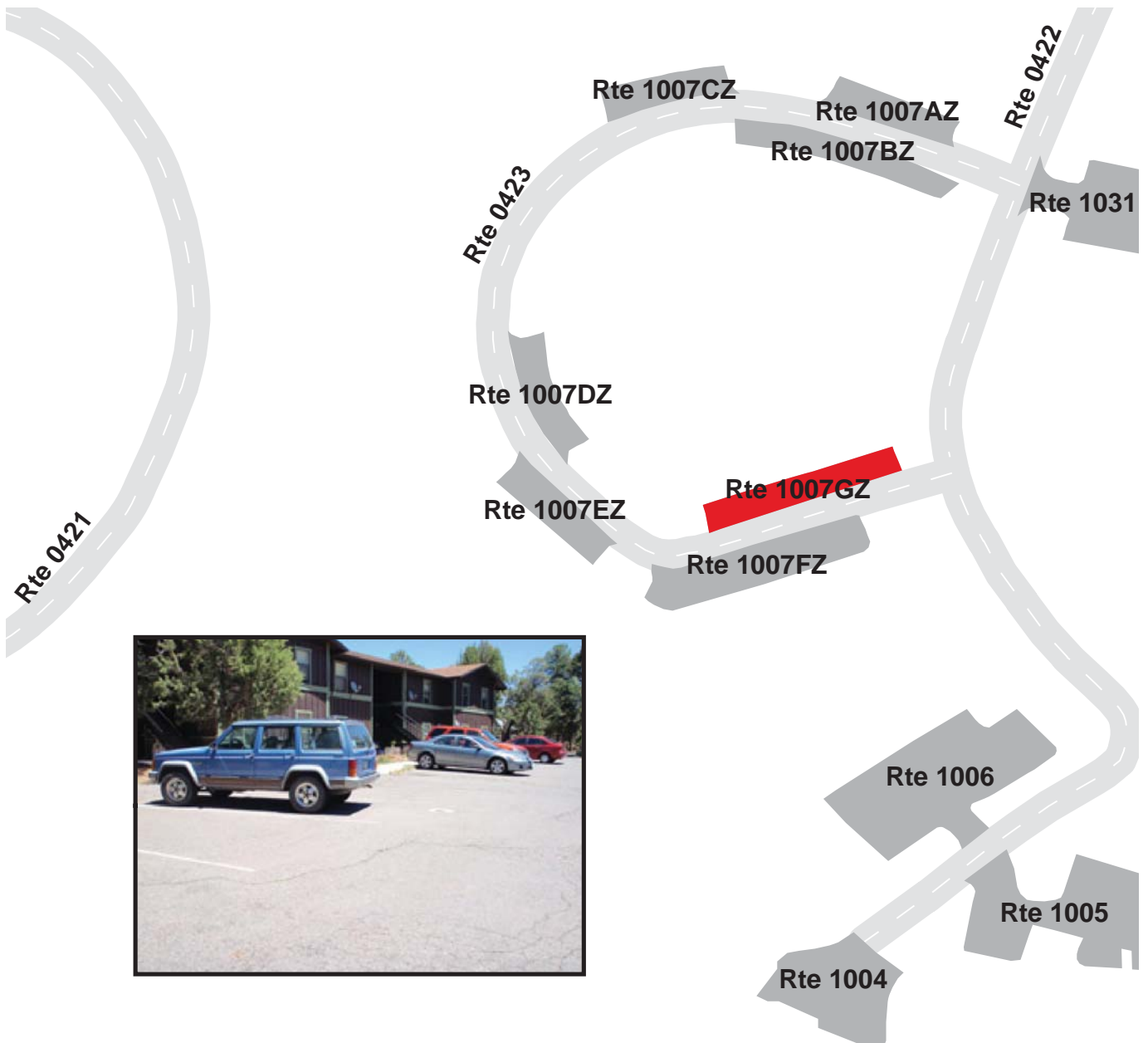
MOHAVE COURT PARKING G

ADJACENT TO ROUTE 0423 (MOHAVE COURT) AT MP 0.14 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1007GZ	NONPUBLIC	7/9/2009		2,636	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

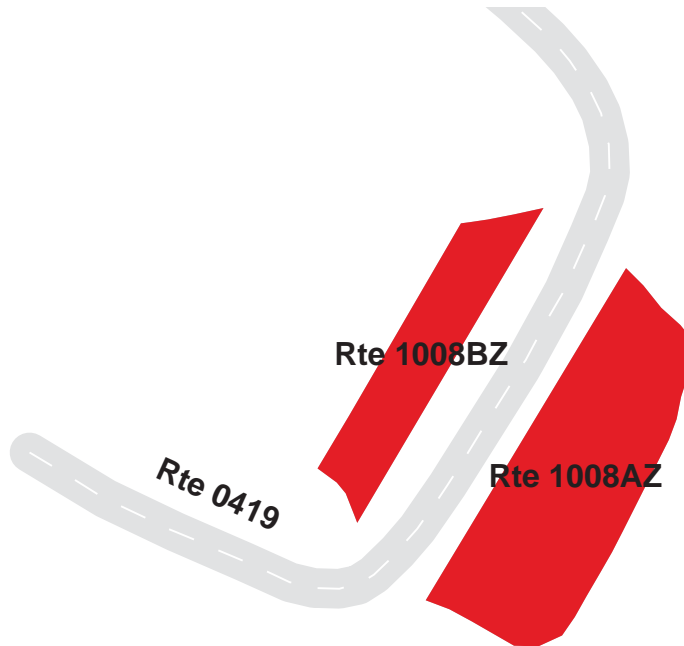
Route 1008ZZ

KOLB CIRCLE PARKING AREAS
ADJACENT TO ROUTE 0419 (KOLB CIRCLE)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1008ZZ	NONPUBLIC	7/8/2009		2,188	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	NO CURB	SUMMARY/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

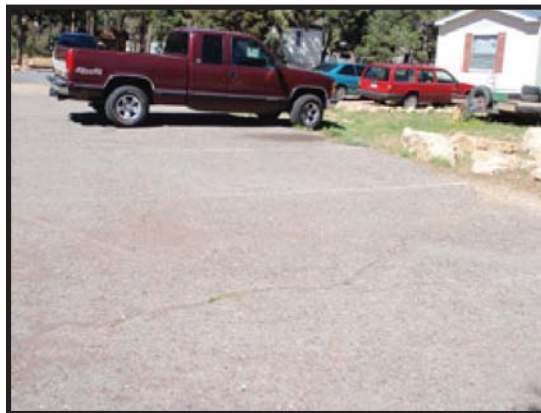
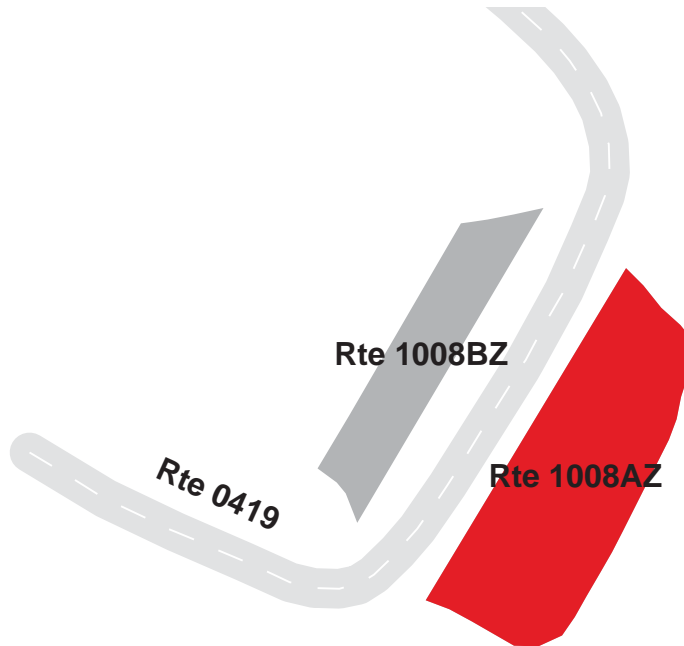
Route 1008AZ

KOLB CIRCLE PARKING A
ADJACENT TO ROUTE 0419 (KOLB CIRCLE)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1008AZ	NONPUBLIC	7/8/2009		1,525	0.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

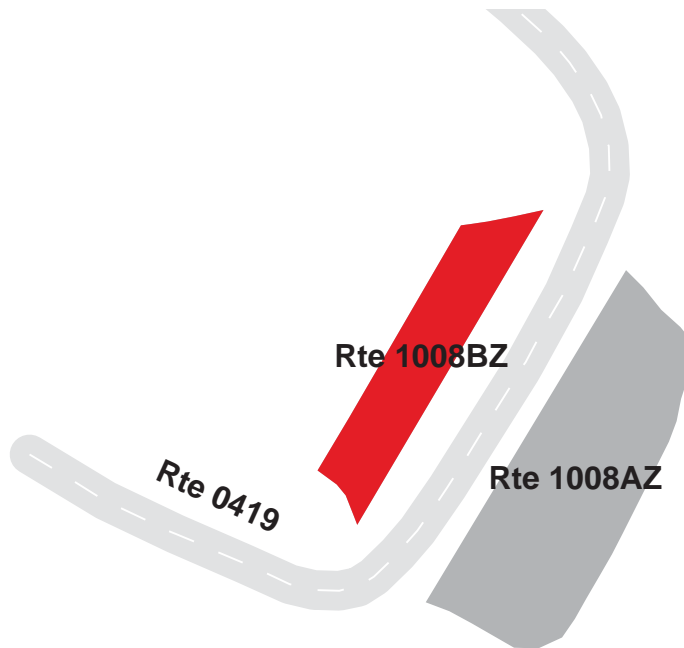
Route 1008BZ

KOLB CIRCLE PARKING B
ADJACENT TO ROUTE 0419 (KOLB CIRCLE)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1008BZ	NONPUBLIC	7/8/2009		663	0.01	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



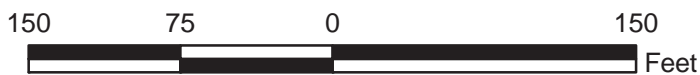
GRAND CANYON NATIONAL PARK

Route 1009

HUALAPAI COURT PARKING
FROM ROUTE 0417 (HUALAPAI ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1009	NONPUBLIC	7/8/2009		7,148	0.12	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

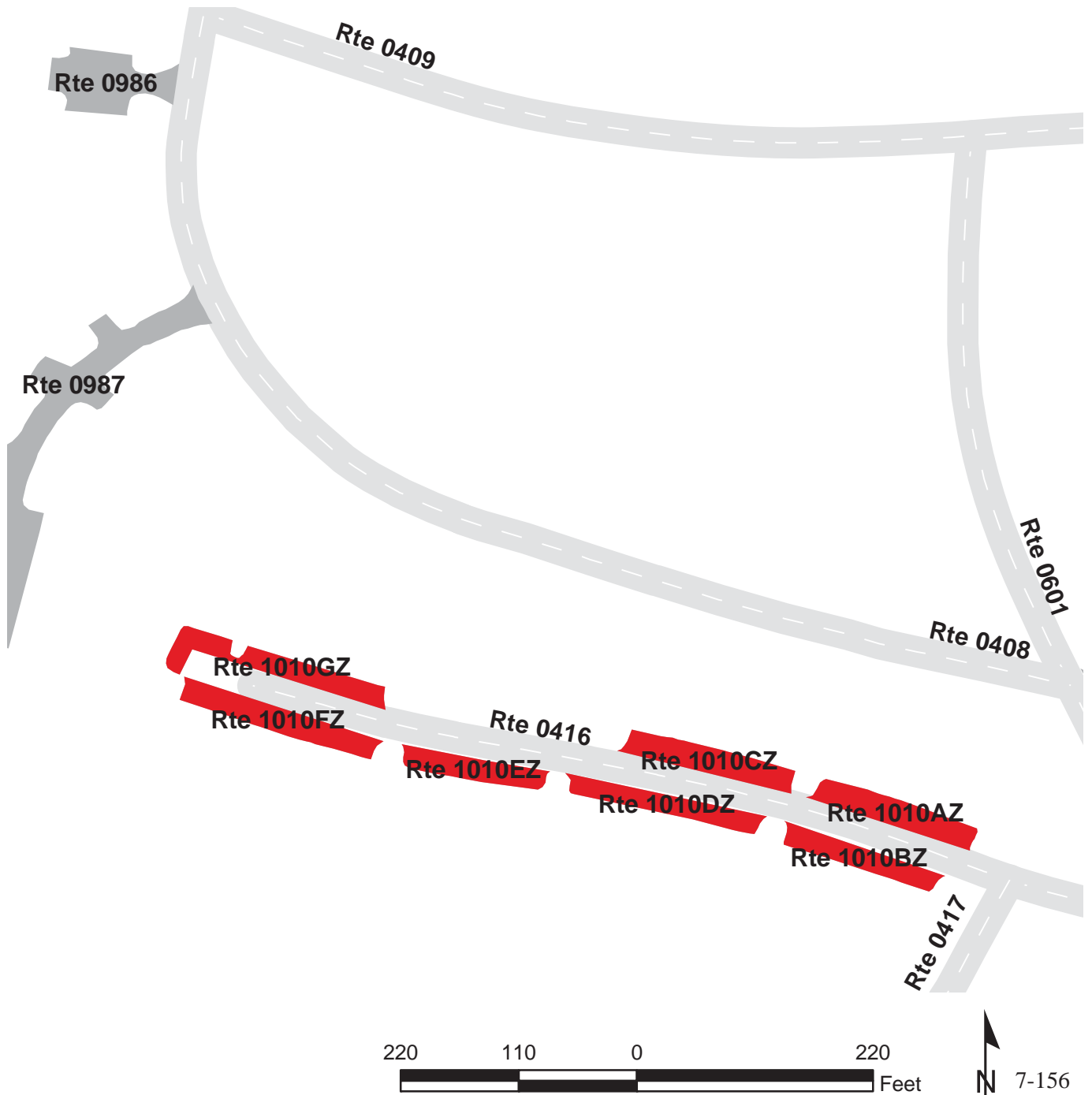
Route 1010ZZ

MUAV COURT PARKING AREAS
ADJACENT TO ROUTE 0415 (APACHE ALLEY)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1010ZZ	NONPUBLIC	7/8/2009		19,661	0.34	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	3	0	0	CONCRETE CURB AND GUTTER	NO CURB	SUMMARY/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1010AZ

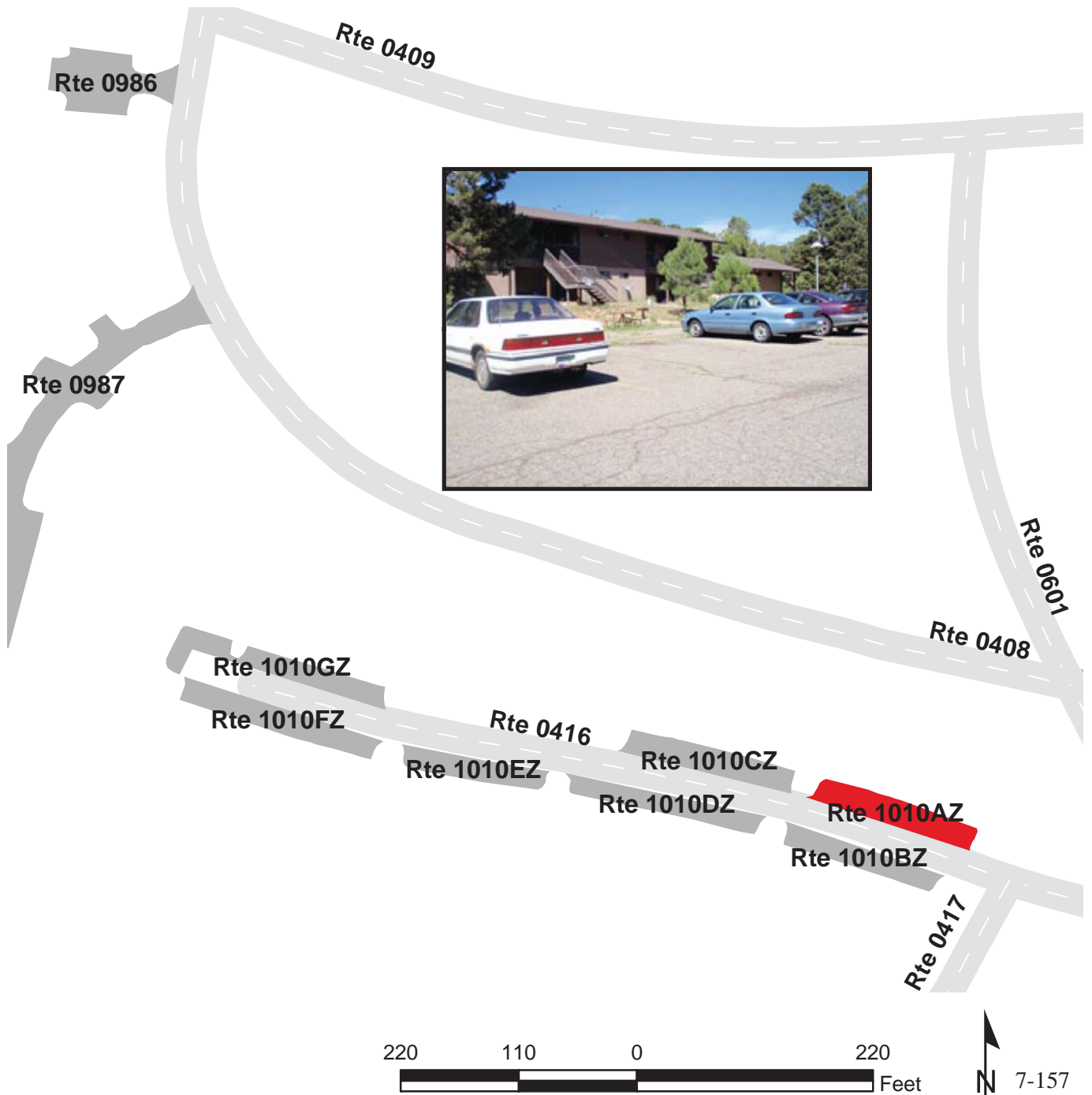
MUAV COURT PARKING A

ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.04 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1010AZ	NONPUBLIC	7/8/2009		2,895	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1010BZ

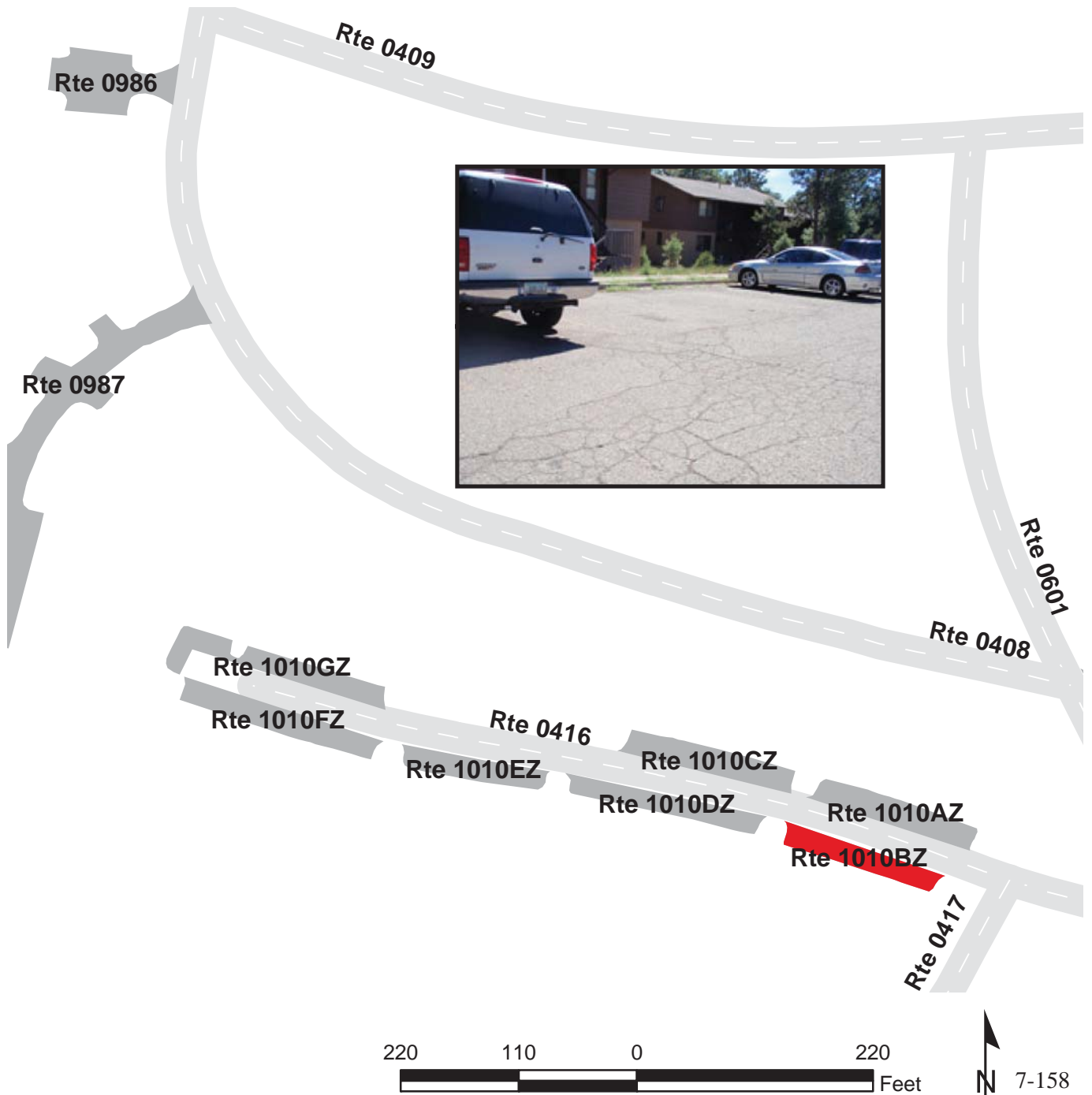
MUAV COURT PARKING B

ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.04 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1010BZ	NONPUBLIC	7/8/2009		2,330	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1010CZ

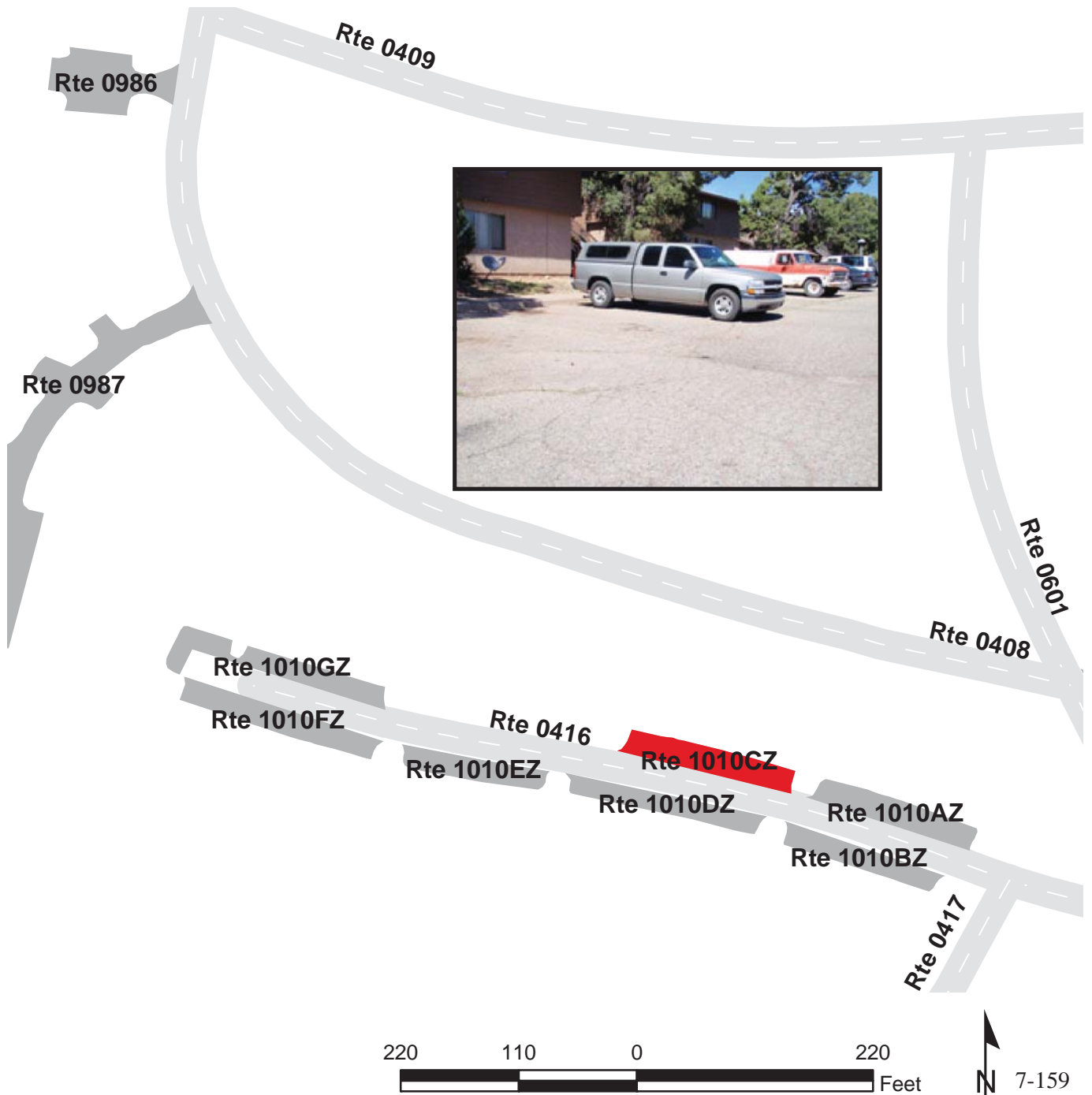
MUAV COURT PARKING C

ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.07 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1010CZ	NONPUBLIC	7/8/2009		3,000	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1010DZ

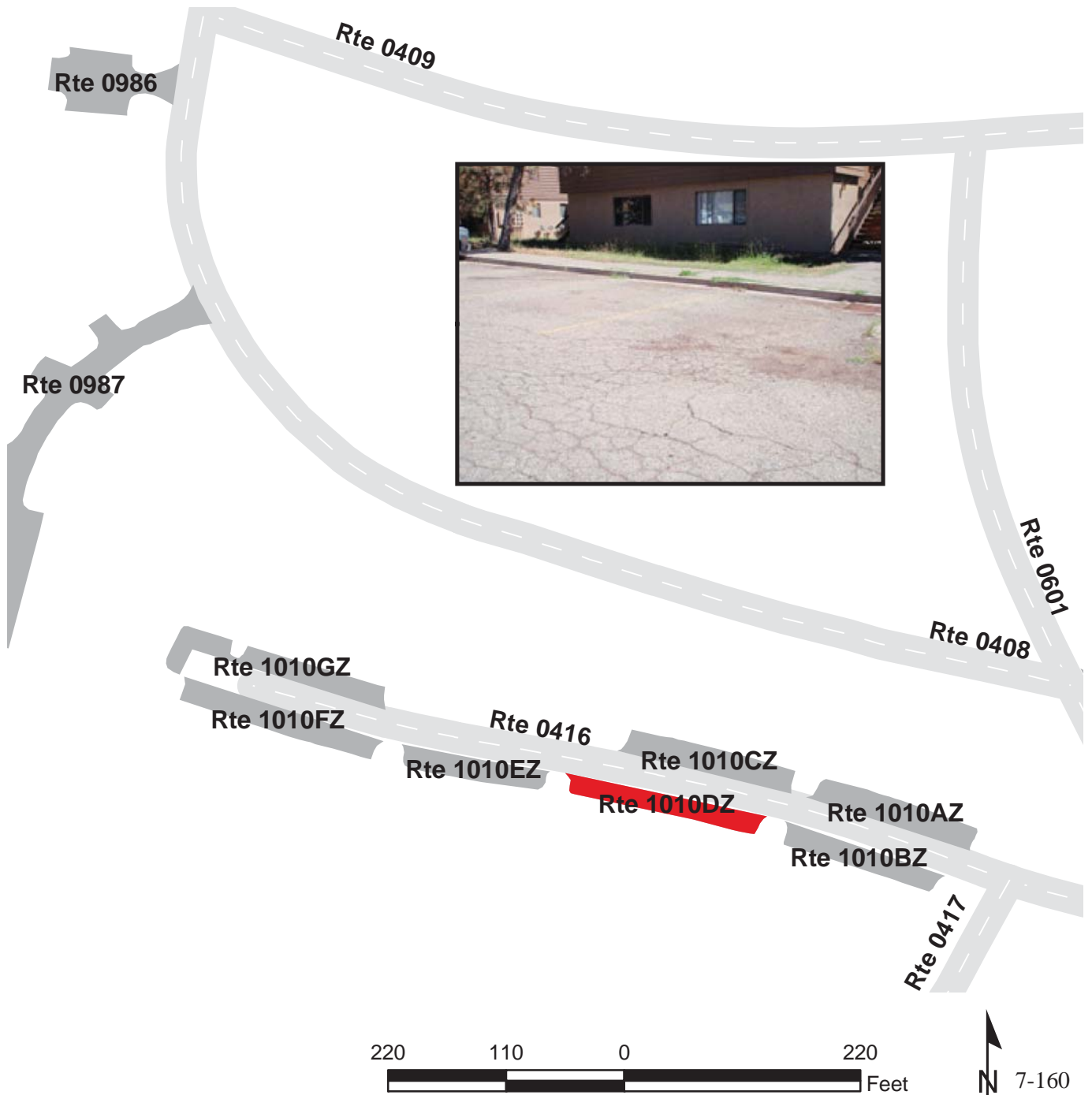
MUAV COURT PARKING D

ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.07 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1010DZ	NONPUBLIC	7/8/2009		2,598	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1010EZ

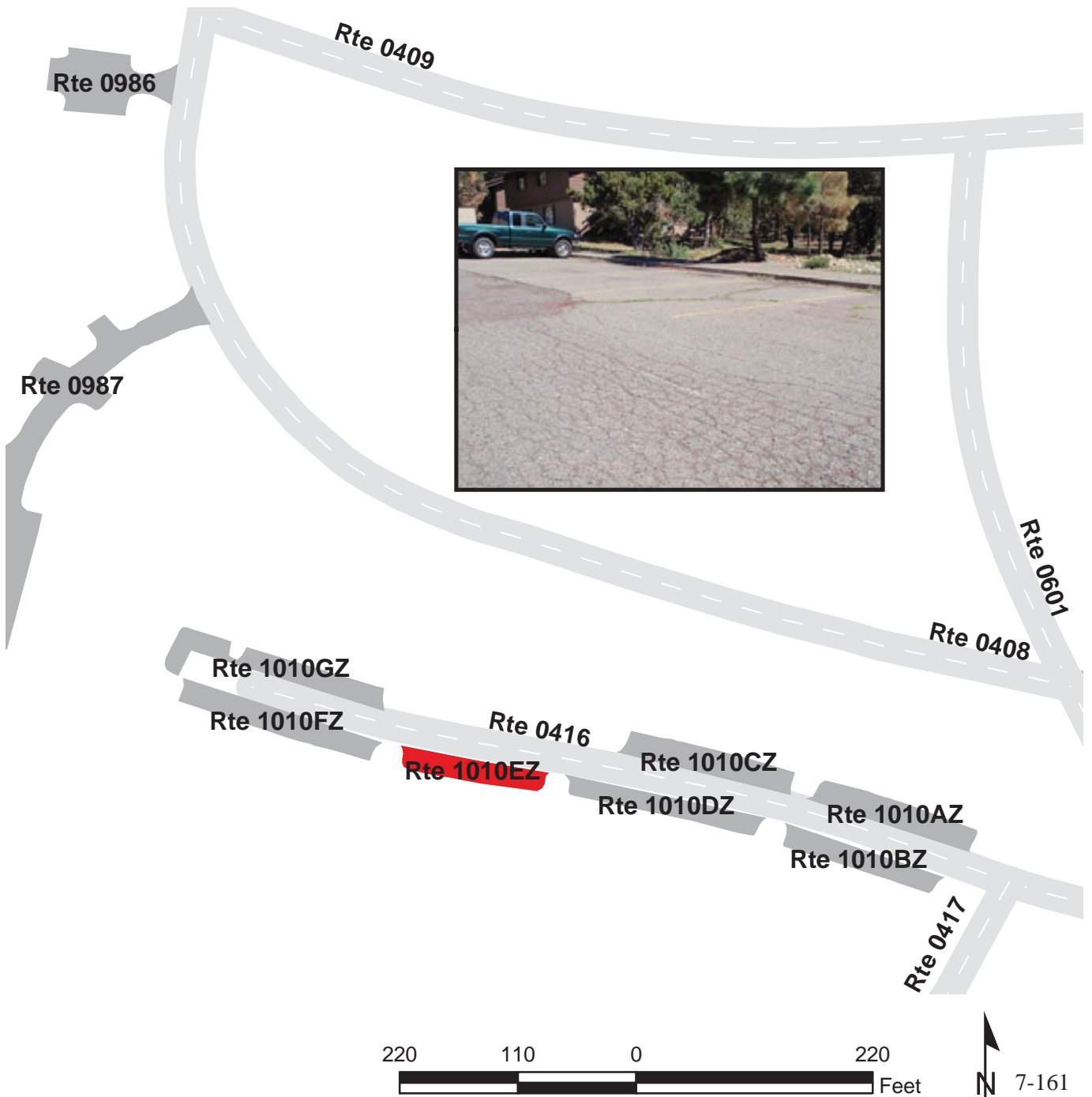
MUAV COURT PARKING E

ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.10 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1010EZ	NONPUBLIC	7/8/2009		2,162	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1010FZ

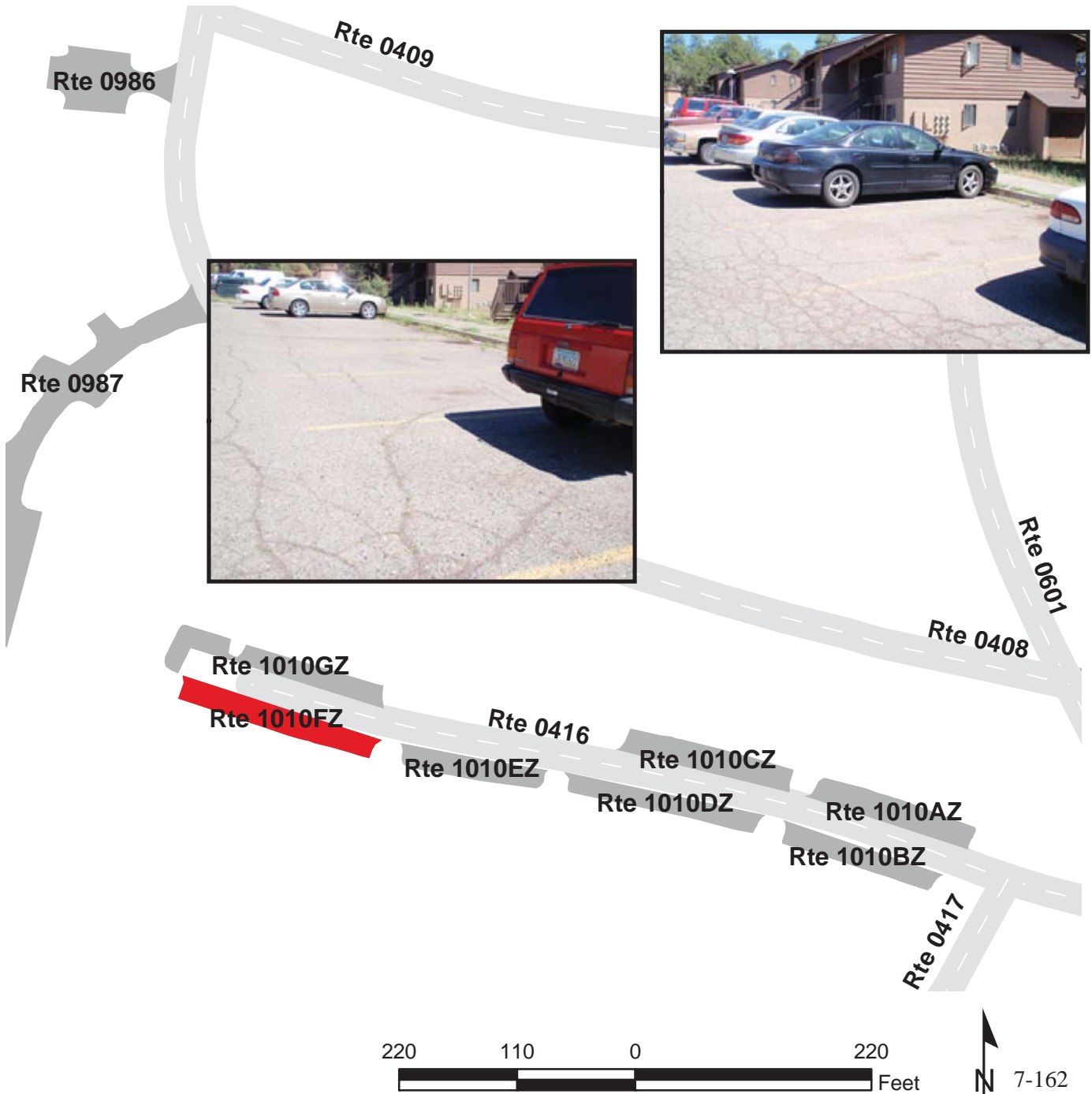
MUAV COURT PARKING F

ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.13 ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1010FZ	NONPUBLIC	7/8/2009		3,311	0.06	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1010GZ

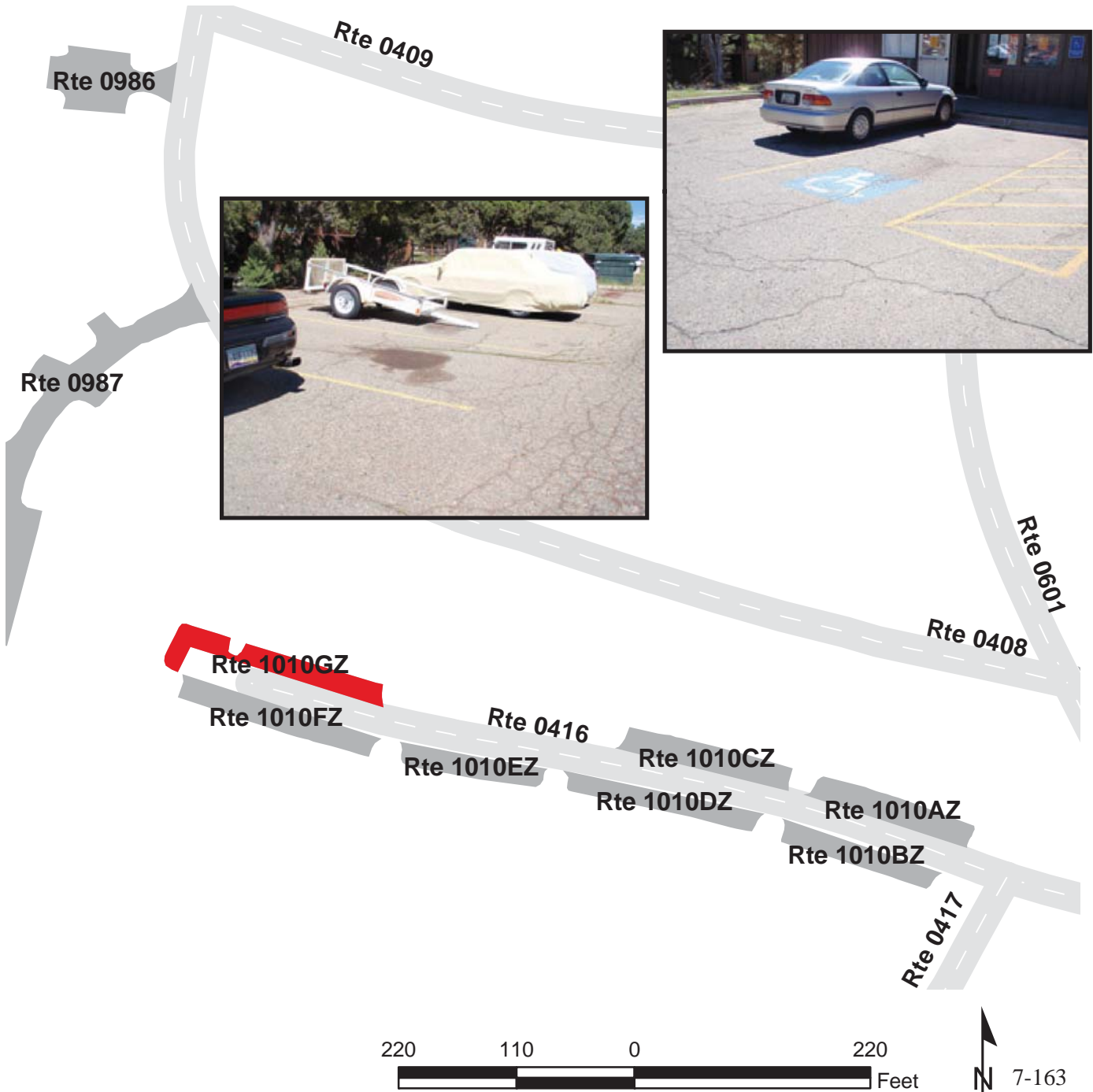
MUAV COURT PARKING G

ADJACENT TO ROUTE 0416 (MUAV COURT) AT MP 0.13 ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1010GZ	NONPUBLIC	7/8/2009		3,366	0.06	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

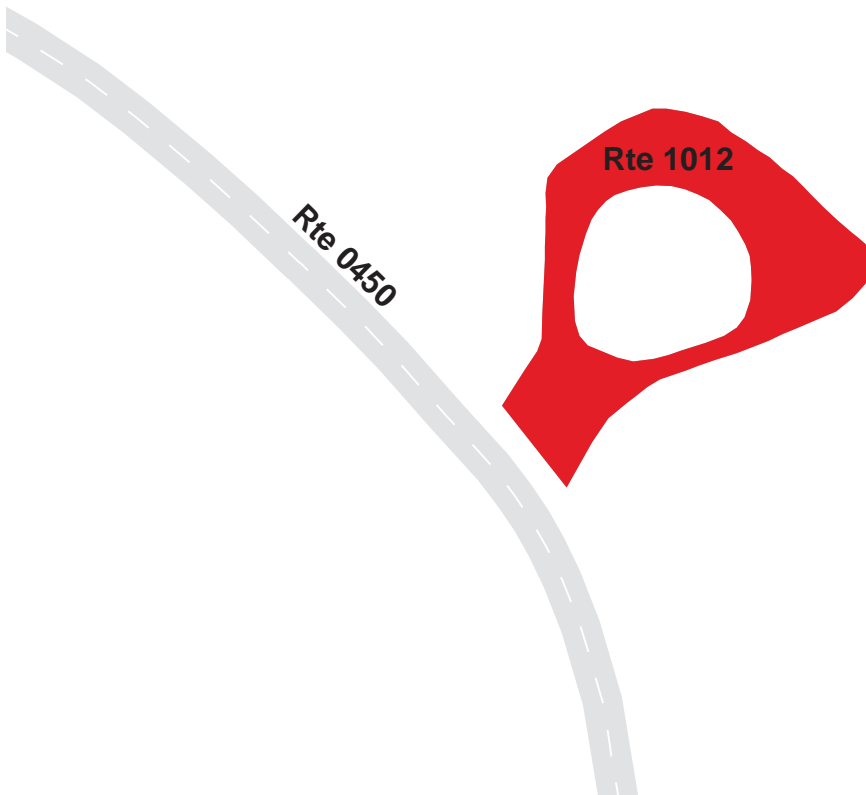
Route 1012

GENERATOR LOOP PARKING

FROM ROUTE 0450 (WASTEWATER PLANT / HELIPAD ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1012	NONPUBLIC	7/10/2009		6,840	0.12	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1013

BUNKHOUSE PARKING

ADJACENT TO ROUTE 0405 (ADMIN LOOP) ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1013	NONPUBLIC	7/10/2009		1,329	0.02	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

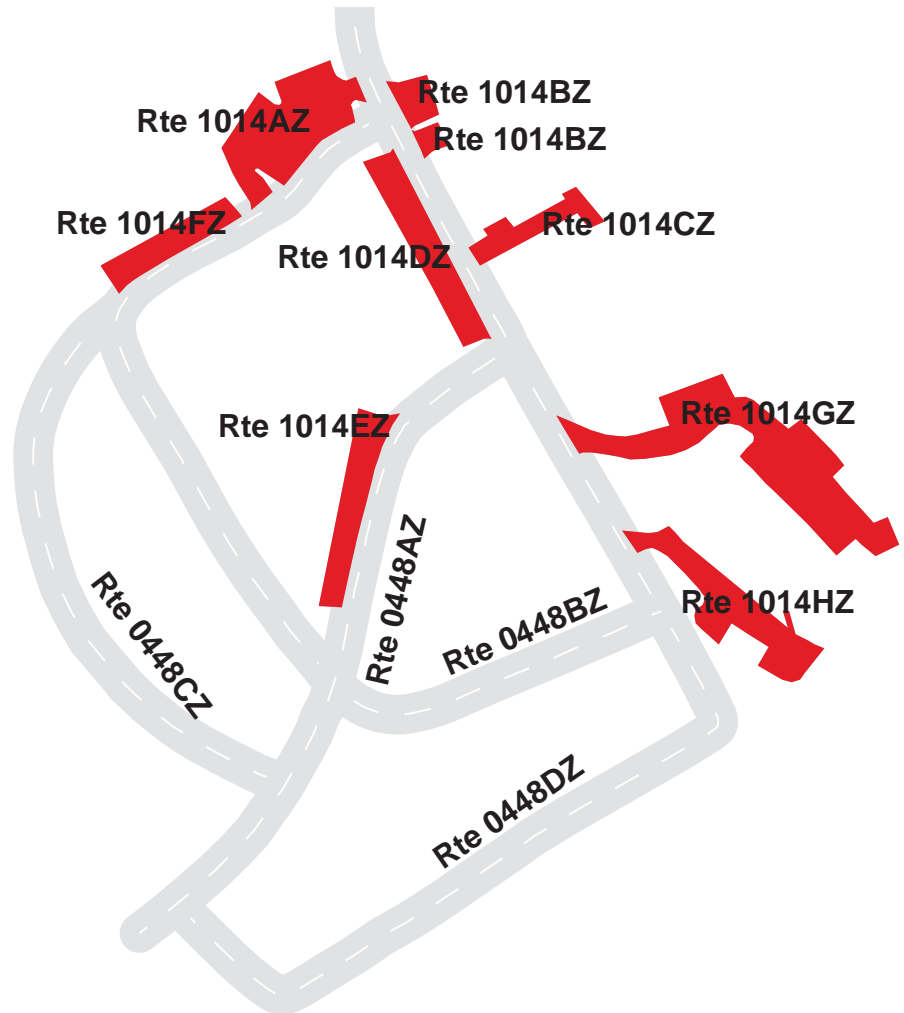
Route 1014ZZ

CONCESSIONAIRE DORM PARKING AREAS
ADJACENT TO ROUTE 0448ZZ (CONCESSIONAIRE ROADS)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1014ZZ	NONPUBLIC	7/10/2009		39,312	0.68	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	3	CONCRETE CURB AND GUTTER	CONCRETE CURB	SUMMARY/81.04

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1014AZ

CONCESSION DORM PARKING

ADJACENT TO ROUTE 0448BZ (CONCESSIONAIRE RESIDENCE ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1014AZ	NONPUBLIC	7/10/2009		7,176	0.12	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1014BZ

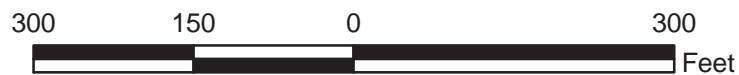
CONCESSIONAIRE CAFETERIA PARKING

ADJACENT TO ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1014BZ	NONPUBLIC	7/10/2009		1,634	0.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1014CZ

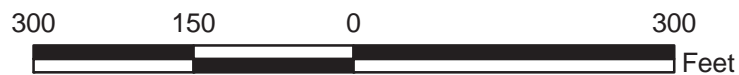
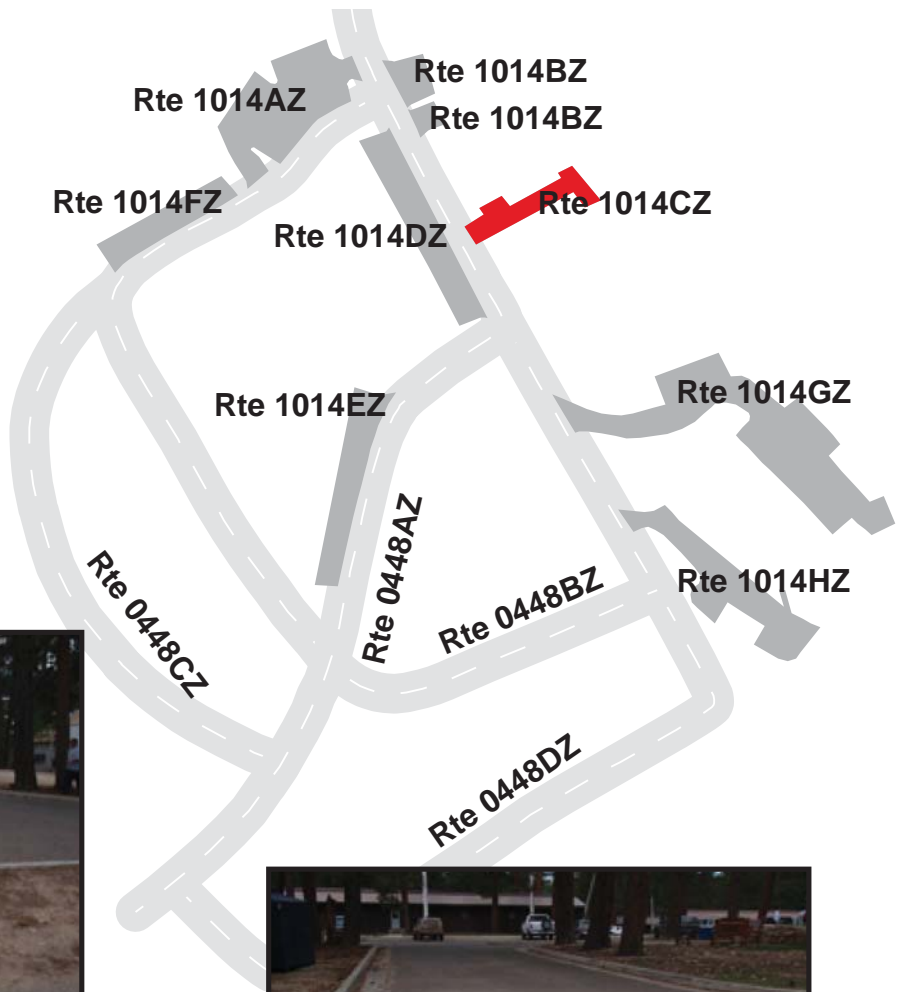
CAFETERIA EMPLOYEE PARKING

ADJACENT TO ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1014CZ	NONPUBLIC	7/10/2009		2,175	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1014DZ

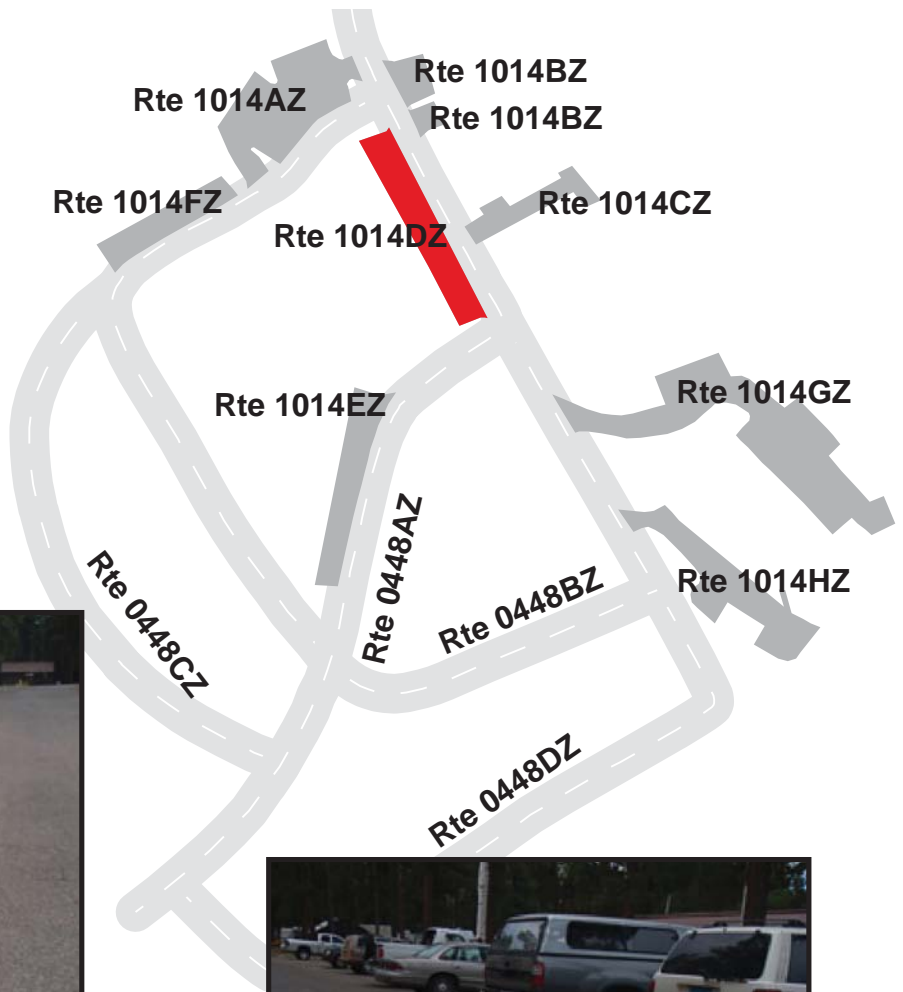
CONCESSIONAIRE DORM PARKING #1

ADJACENT TO ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1014DZ	NONPUBLIC	7/10/2009		4,458	0.08	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1014EZ

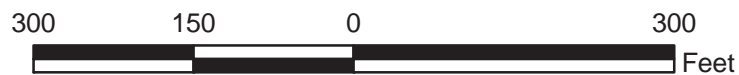
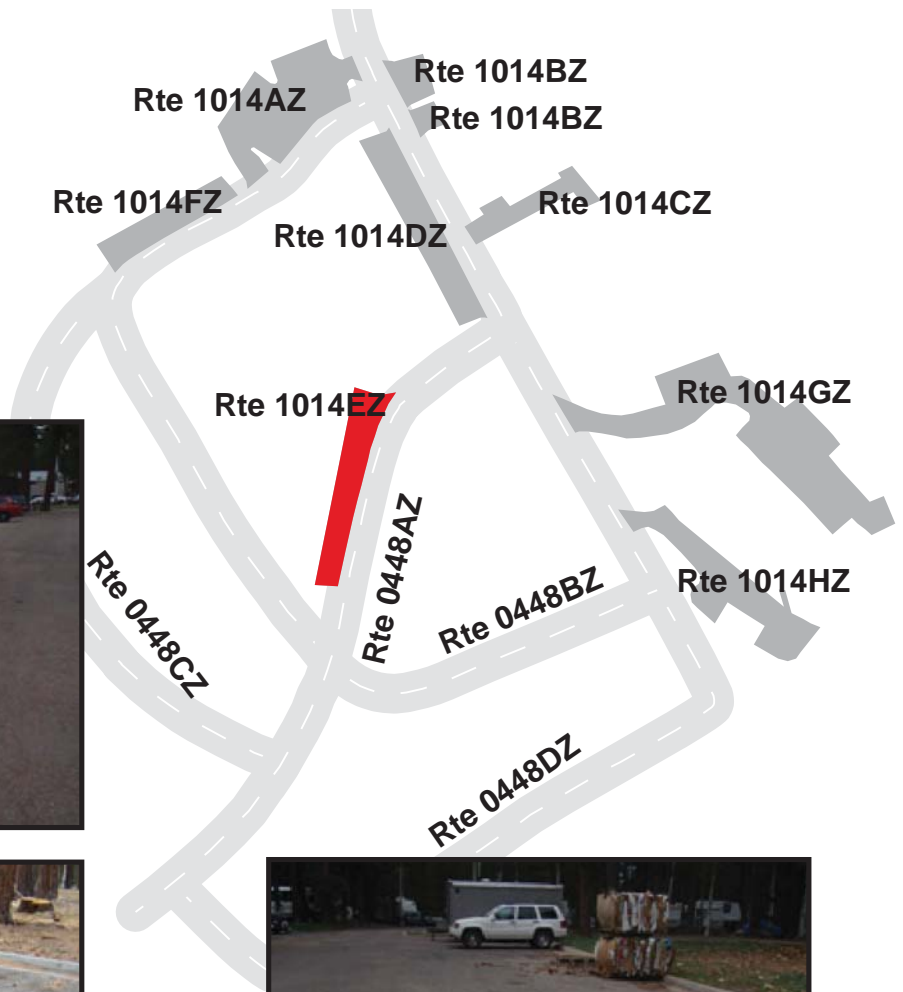
CONCESSIONAIRE DORM PARKING #2

ADJACENT TO ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1014EZ	NONPUBLIC	7/10/2009		3,801	0.07	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1014FZ

CONCESSIONAIRE DORM PARKING #3

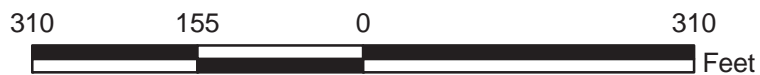
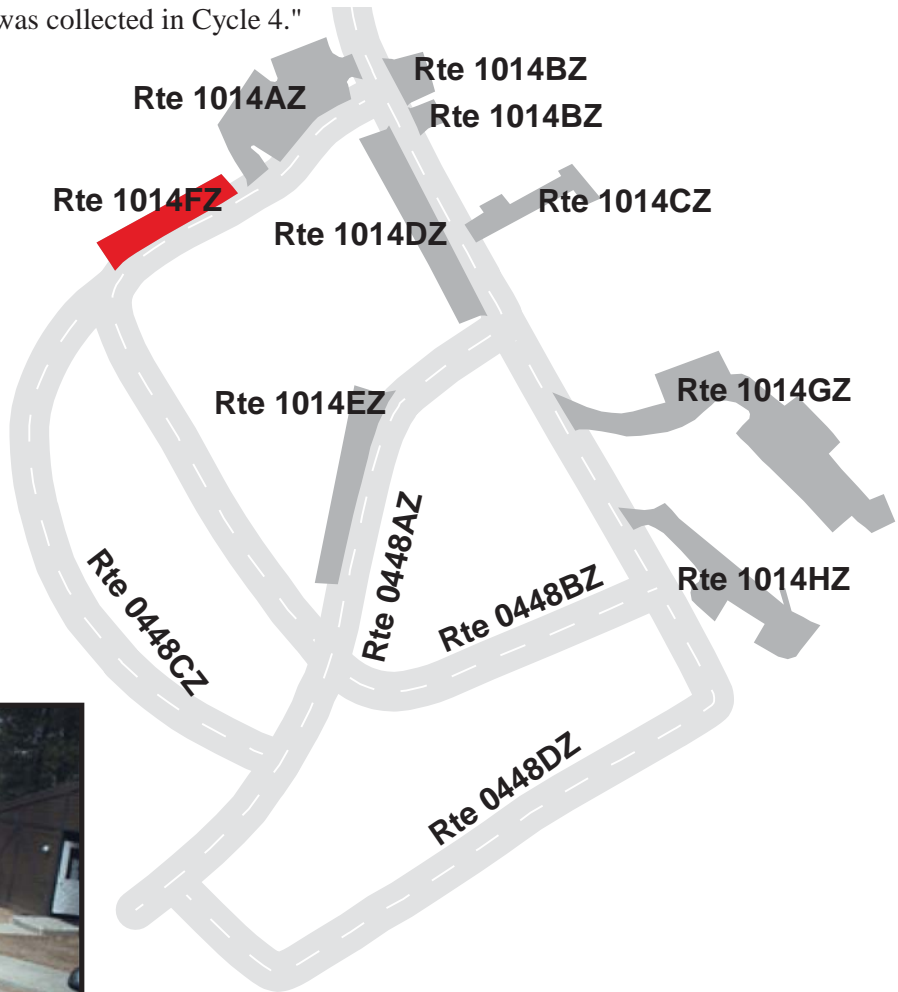
ADJACENT TO ROUTE 0448BZ (CONCESSIONAIRE RESIDENCE ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1014FZ	NONPUBLIC	7/10/2009		2,784	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	N/A	N/A	NC/-1

* Lane miles are based on 11' lane widths

"NOTE: Under construction, no data was collected in Cycle 4."



GRAND CANYON NATIONAL PARK

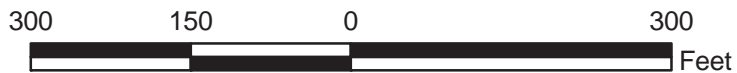
Route 1014GZ

REAR EMPLOYEE DORM HOUSING
ADJACENT TO ROUTE 0448DZ (DORM ACCESS ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1014GZ	NONPUBLIC	7/10/2009		11,756	0.20	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1014HZ

FRONT EMPLOYEE DORM PARKING
ADJACENT TO ROUTE 0448DZ (DORM ACCESS ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1014HZ	NONPUBLIC	7/10/2009		5,527	0.10	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



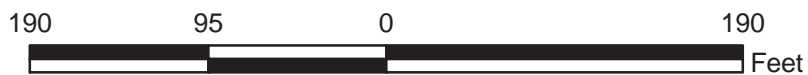
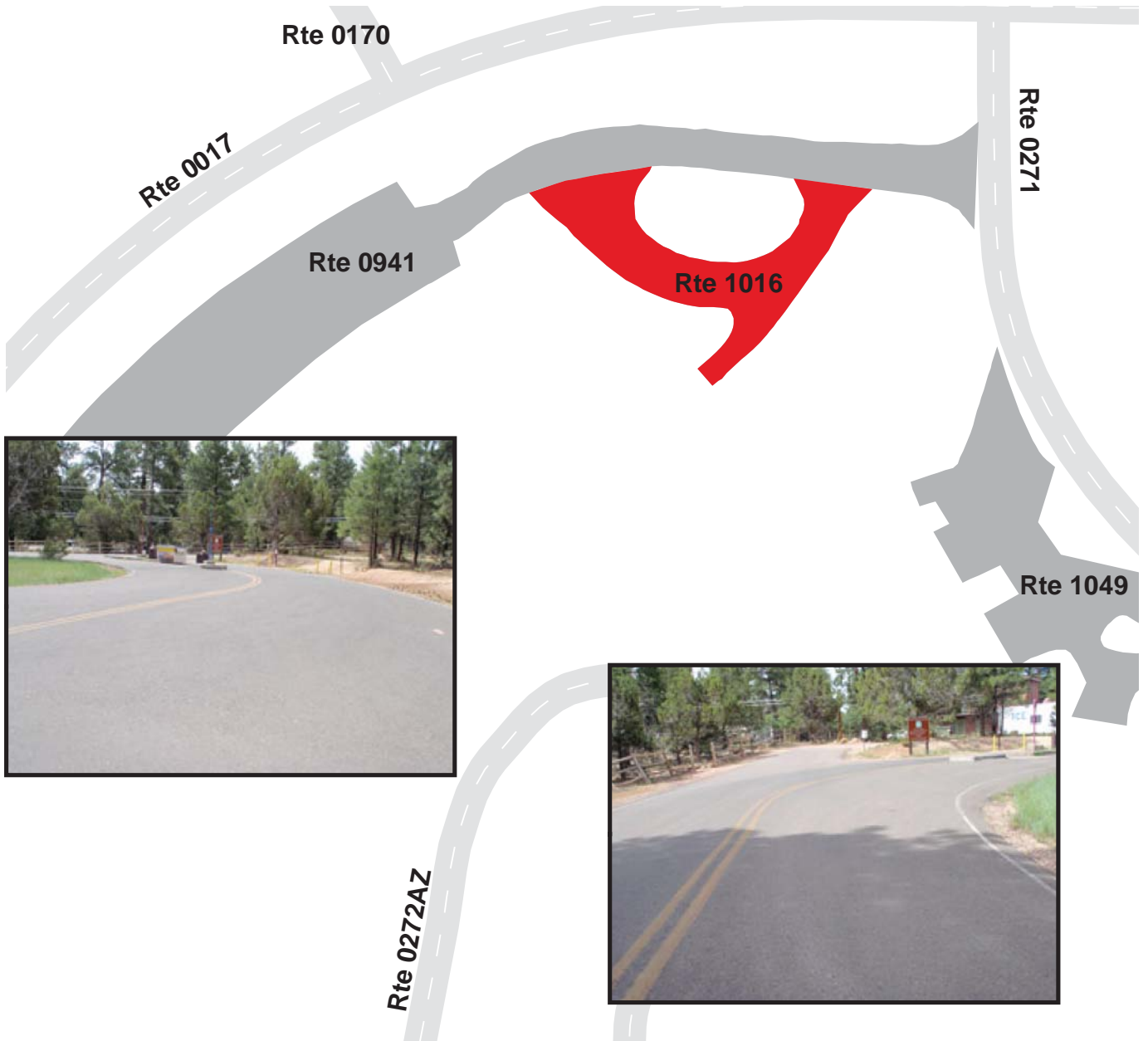
GRAND CANYON NATIONAL PARK

Route 1016

MATHER CAMPGROUND DUMP STATION
 FROM ROUTE 0941 (MATHER CAMPGROUND SERVICES PARKING)
 TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1016	PUBLIC	7/10/2009		7,352	0.13	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



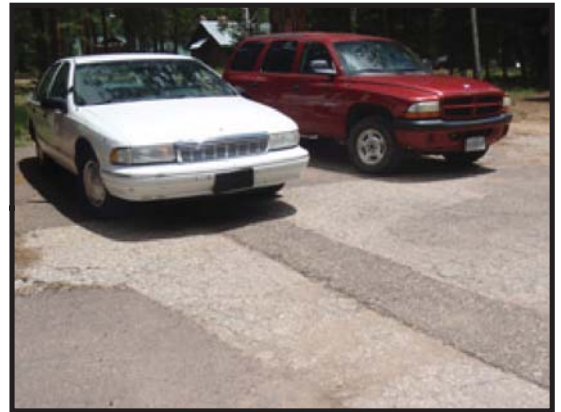
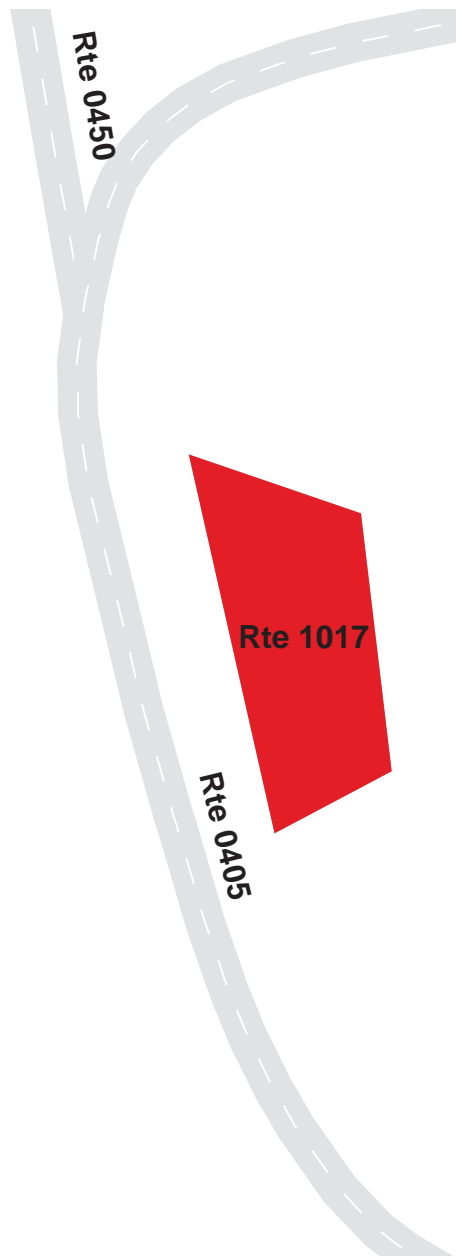
GRAND CANYON NATIONAL PARK

Route 1017

RESIDENCE PARKING AREA
ADJACENT TO ROUTE 0405 (ADMIN LOOP)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1017	NONPUBLIC	7/10/2009		1,866	0.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

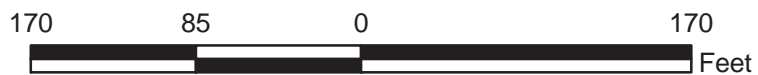
Route 1021

BUS LOADING PARKING

ADJACENT TO ROUTE 0409 (BOULDER STREET)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1021	PUBLIC	7/8/2009		5,490	0.10	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

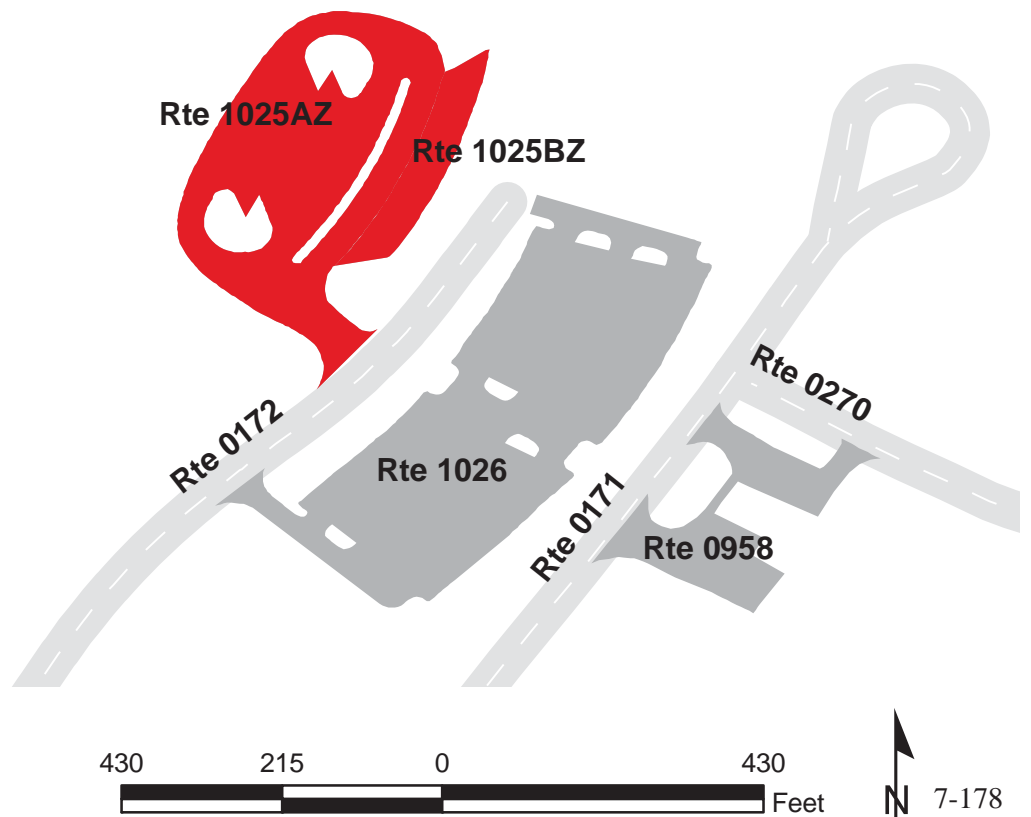
Route 1025ZZ

DESERT VIEW BUS PARKING AREAS
 FROM ROUTE 0172 (DESERT VIEW ACCESS ROAD)
 TO PARKING AREAS

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1025ZZ	PUBLIC	7/10/2009		80,359	1.38	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	SUMMARY/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

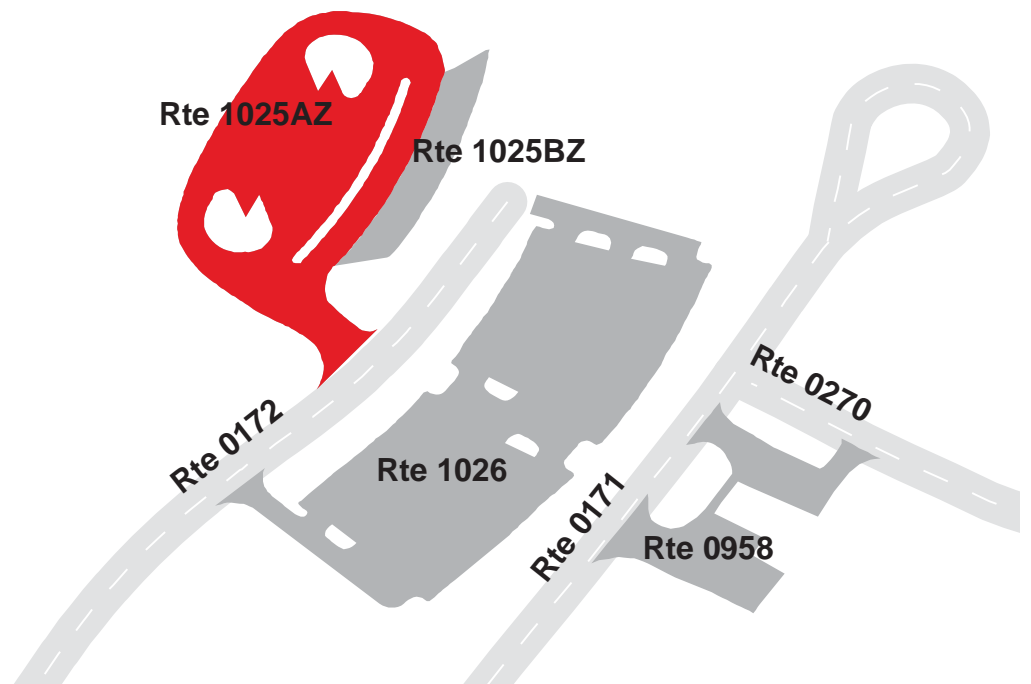
Route 1025AZ

DESERT VIEW BUS PARKING A
 FROM ROUTE 0172 (DESERT VIEW ACCESS ROAD)
 TO PARKING

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1025AZ	PUBLIC	7/10/2009		67,845	1.17	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1025BZ

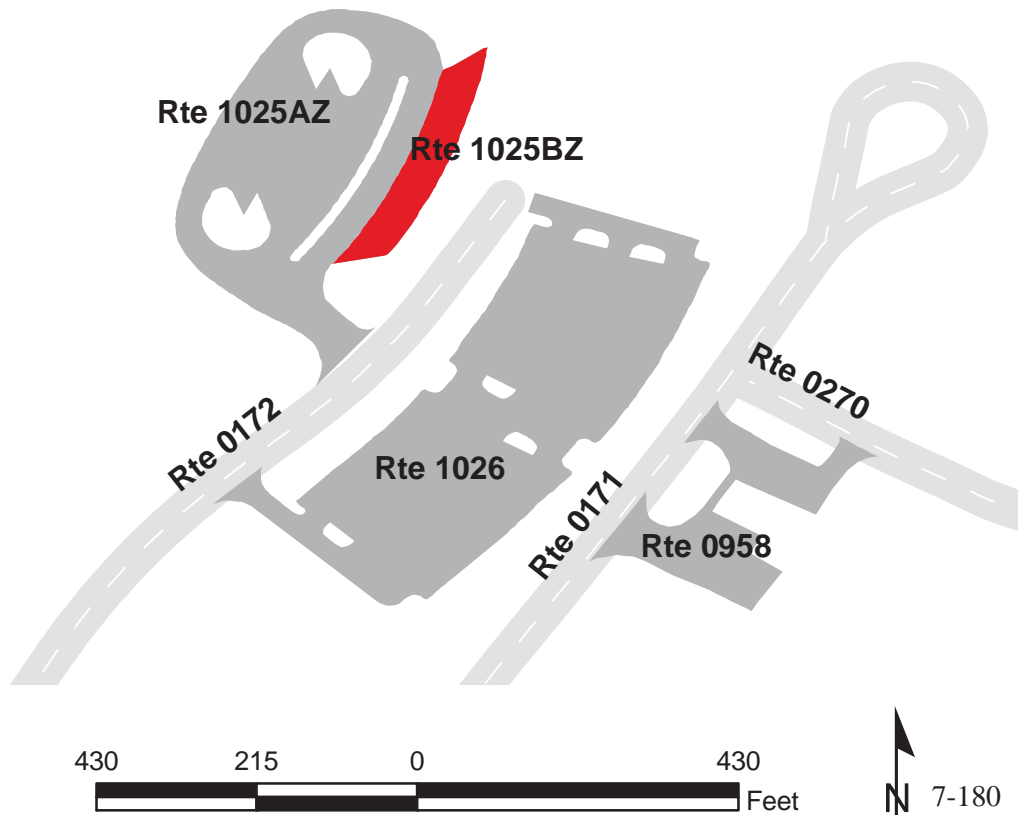
DESERT VIEW BUS PARKING B

ADJACENT TO ROUTE 1025AZ (DESERT VIEW BUS PARKING A)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1025BZ	PUBLIC	7/10/2009		12,514	0.22	CO
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



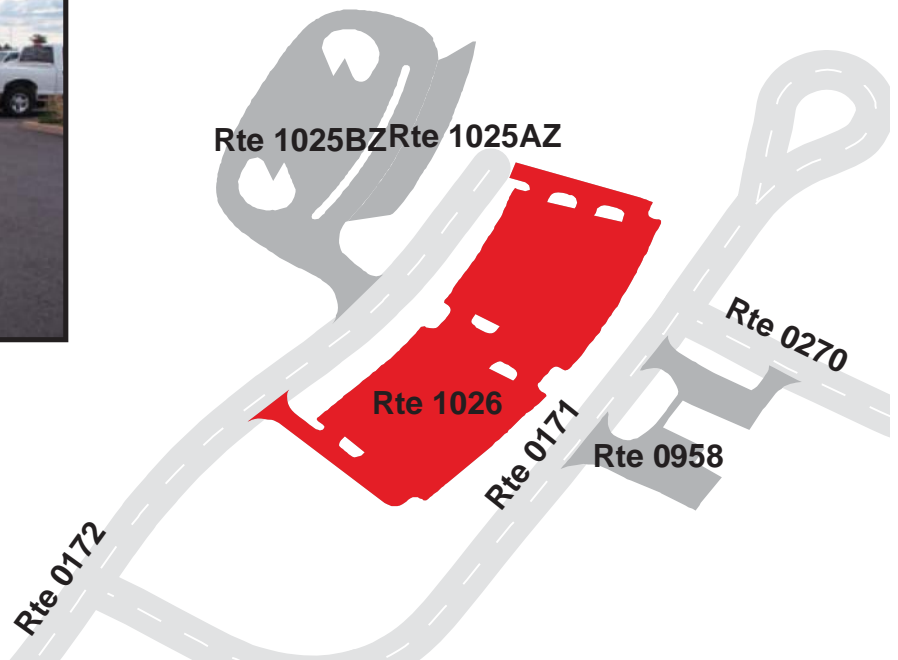
GRAND CANYON NATIONAL PARK

Route 1026

DESERT VIEW VISITOR PARKING
 FROM ROUTE 0172 (DESERT VIEW ACCESS ROAD)
 TO ROUTE 0172 (DESERT VIEW ACCESS ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1026	PUBLIC	7/10/2009		108,353	1.87	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1027ZZ

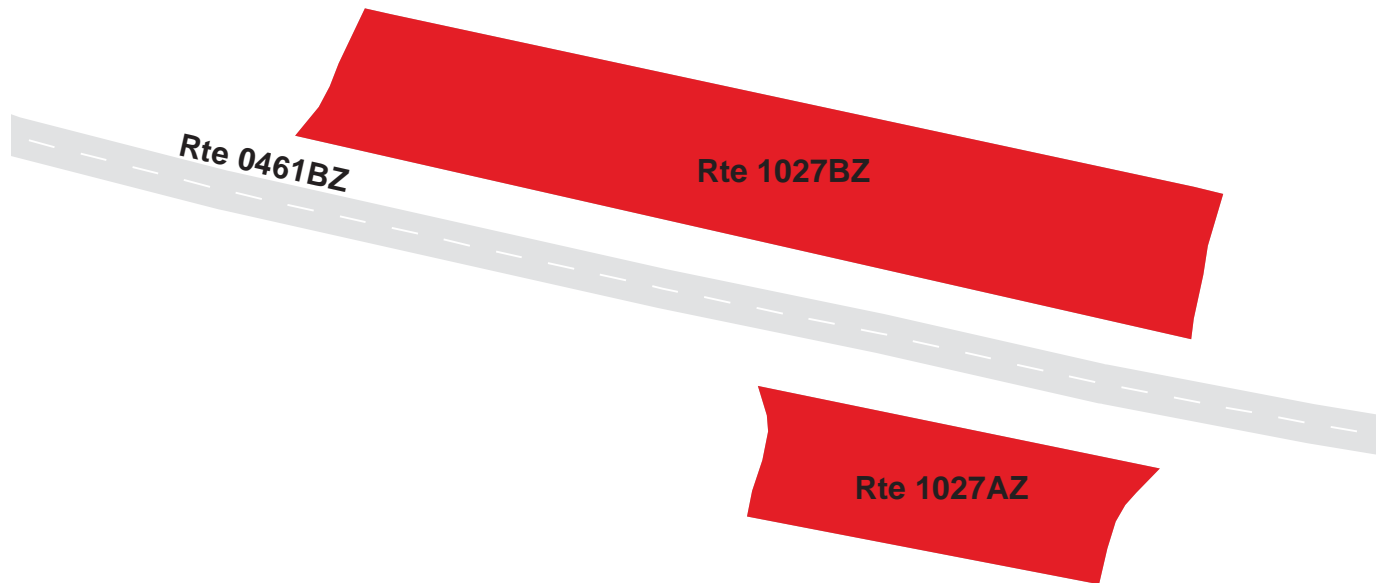
FOUR PLEX PARKING AREAS

ADJACENT TO ROUTE 0461ZZ (EAST ENTRANCE RESIDENCE ROADS)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1027ZZ	NONPUBLIC	7/10/2009		2,794	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	SUMMARY/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1027AZ

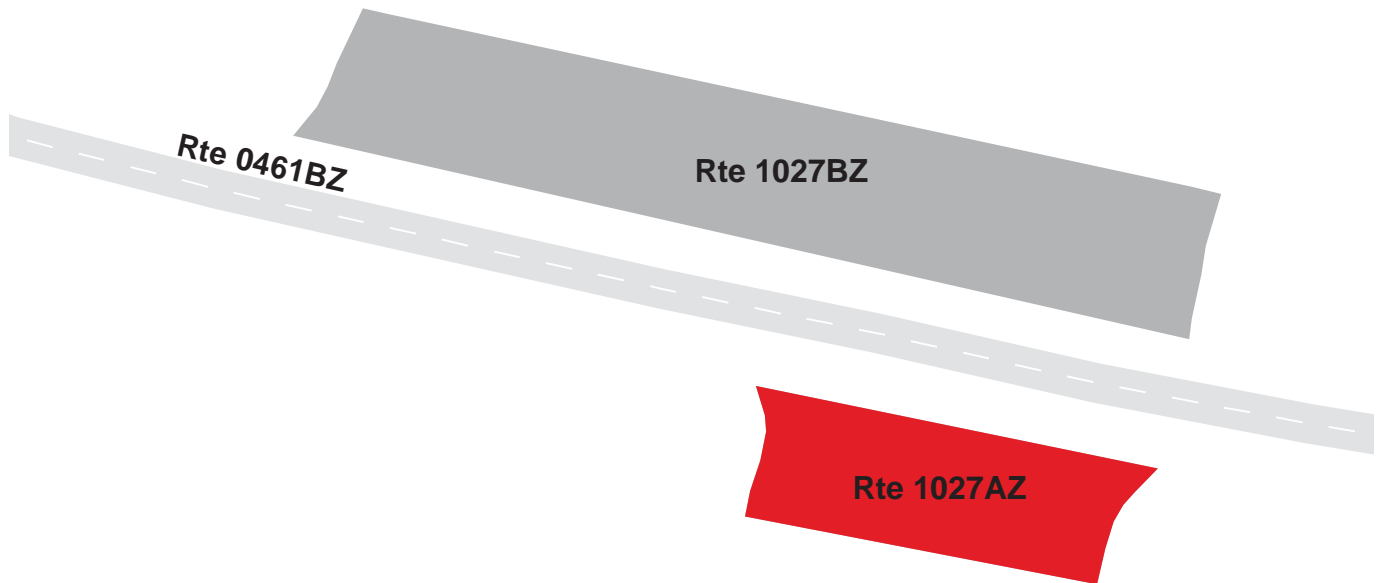
FOUR PLEX PARKING A

ADJACENT TO ROUTE 0461BZ (COLTER LANE)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1027AZ	NONPUBLIC	7/10/2009		749	0.01	CO
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1027BZ

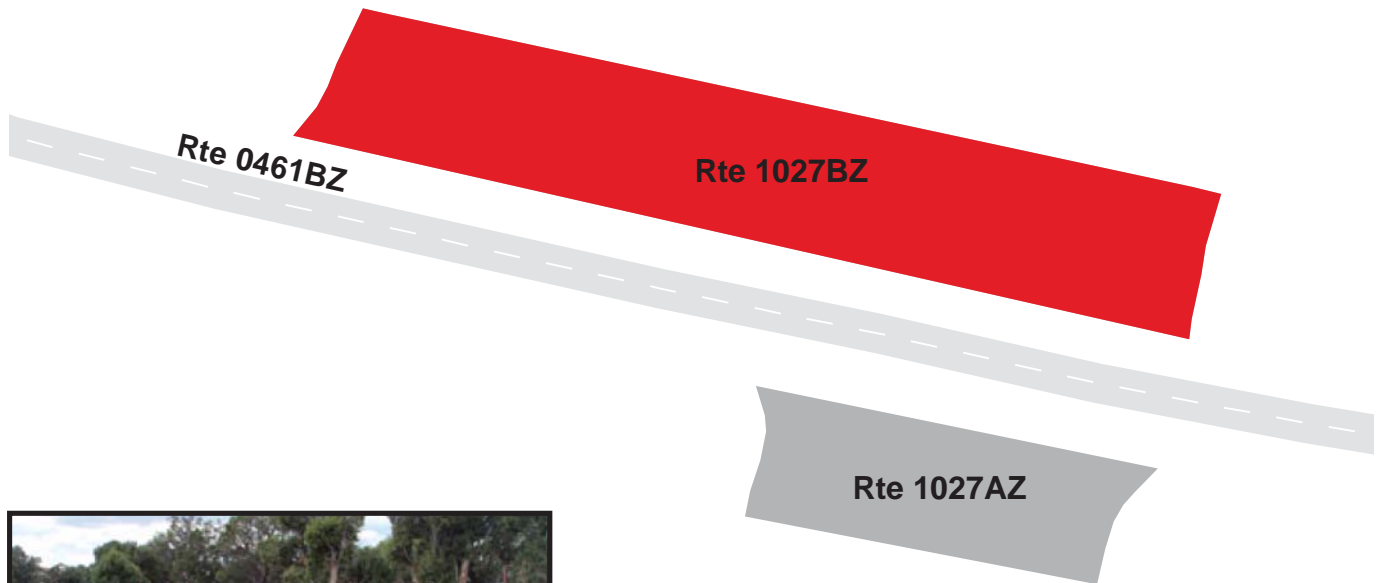
FOUR PLEX PARKING B

ADJACENT TO ROUTE 0461BZ (COLTER LANE)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1027BZ	NONPUBLIC	7/10/2009		2,045	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1028

GENERAL OFFICES TAXI PARKING
ADJACENT TO UNKNOWN UNDER CONSTRUCTION

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1028	NONPUBLIC	7/9/2009		2,480	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	CONSTRUCT/100

* Lane miles are based on 11' lane widths

"NOTE: Under construction, no data was collected in Cycle 4."



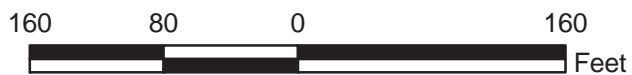
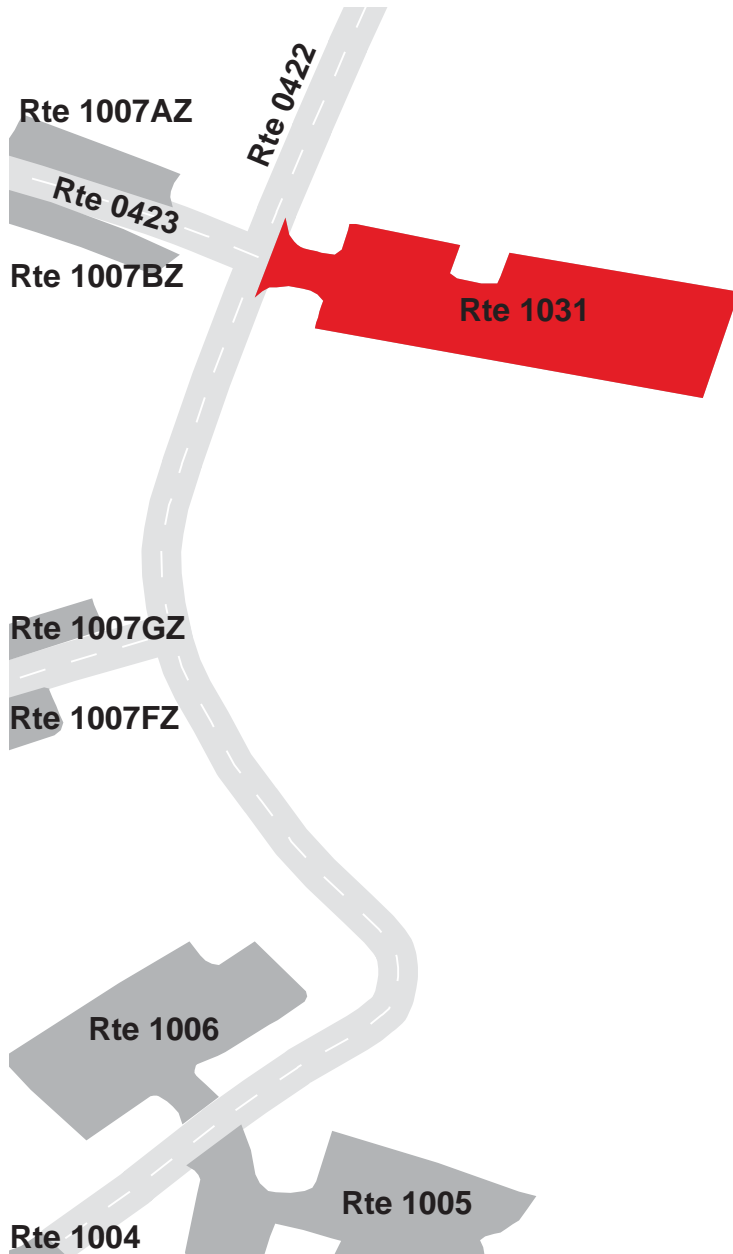
GRAND CANYON NATIONAL PARK

Route 1031

MOHAVE RESIDENTIAL PARKING
FROM ROUTE 0422 (SOUTH MOHAVE STREET)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1031	PUBLIC	7/9/2009		12,837	0.22	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1033

1ST EAST OF MOHAVE PARKING

ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 2.86

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1033	PUBLIC	7/7/2009		2,746	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

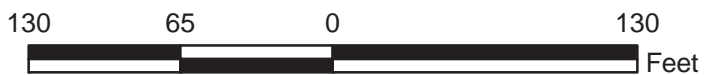
Route 1034

1ST EAST OF PIMA POINT PARKING

ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 6.23

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1034	PUBLIC	7/7/2009		3,926	0.07	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

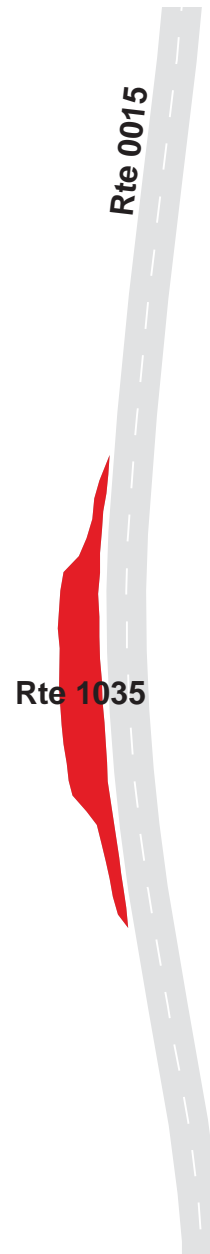
Route 1035

1ST EAST OF THE ABYSS PARKING

ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 3.92

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1035	PUBLIC	7/7/2009		2,000	0.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



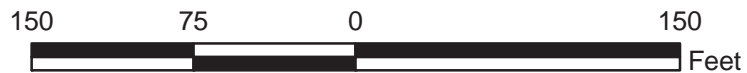
GRAND CANYON NATIONAL PARK

Route 1036

2ND EAST OF MOHAVE POINT PARKING
 ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 2.59

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1036	PUBLIC	7/7/2009		1,898	0.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

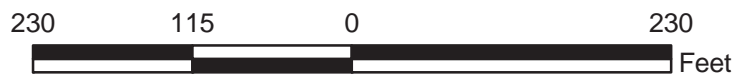
Route 1037

2ND EAST OF PIMA POINT PARKING

ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 5.05

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1037	PUBLIC	7/7/2009		5,688	0.10	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

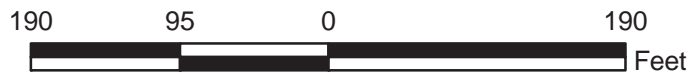
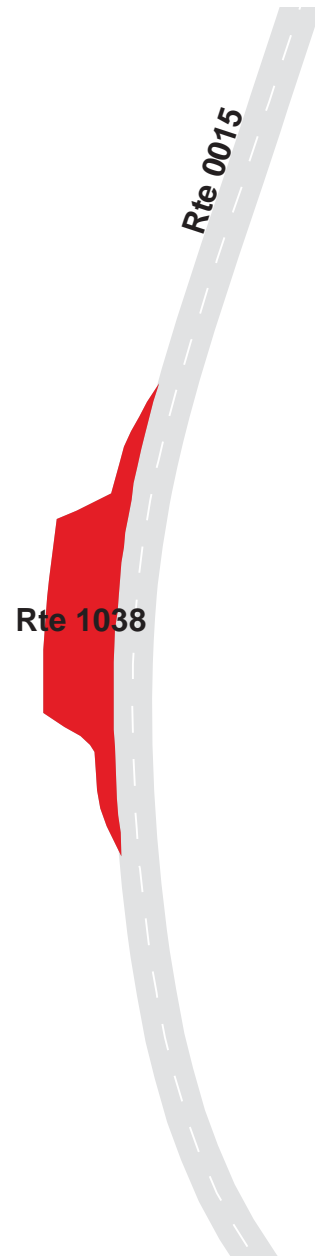
Route 1038

2ND EAST OF THE ABYSS PARKING

ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 3.66

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1038	PUBLIC	7/7/2009		6,445	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

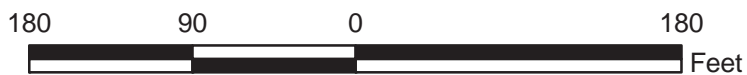
Route 1039

3RD EAST OF PIMA POINT PARKING

ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 4.80

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1039	PUBLIC	7/7/2009		5,393	0.09	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

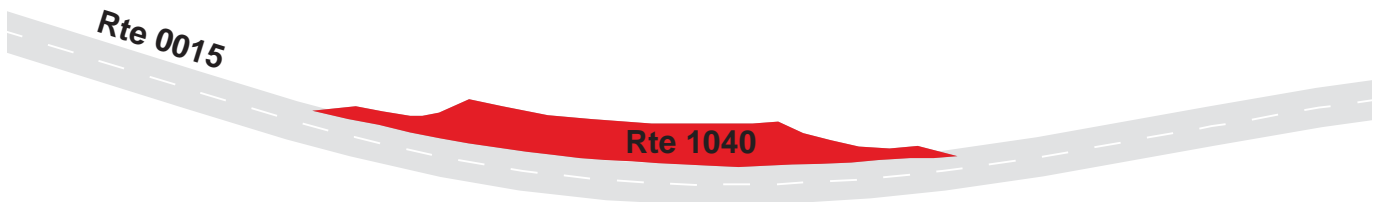
Route 1040

4TH PAST PIMA POINT PARKING

ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 4.53

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1040	PUBLIC	7/7/2009		2,042	0.04	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1041

3RD EAST OF THE ABYSS PARKING

ADJACENT TO ROUTE 0015 (HERMIT REST ROAD) AT MP 3.31

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1041	PUBLIC	7/7/2009		1,120	0.02	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1043

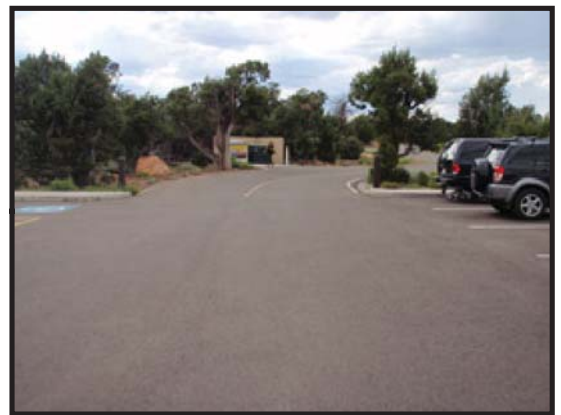
PARKING FOR NPS 8-PLEX

FROM ROUTE 0461AZ (CEDAR MOUNTAIN ROAD)

TO ROUTE 0461AZ (CEDAR MOUNTAIN ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1043	PUBLIC	7/10/2009		14,632	0.25	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

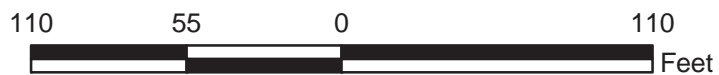
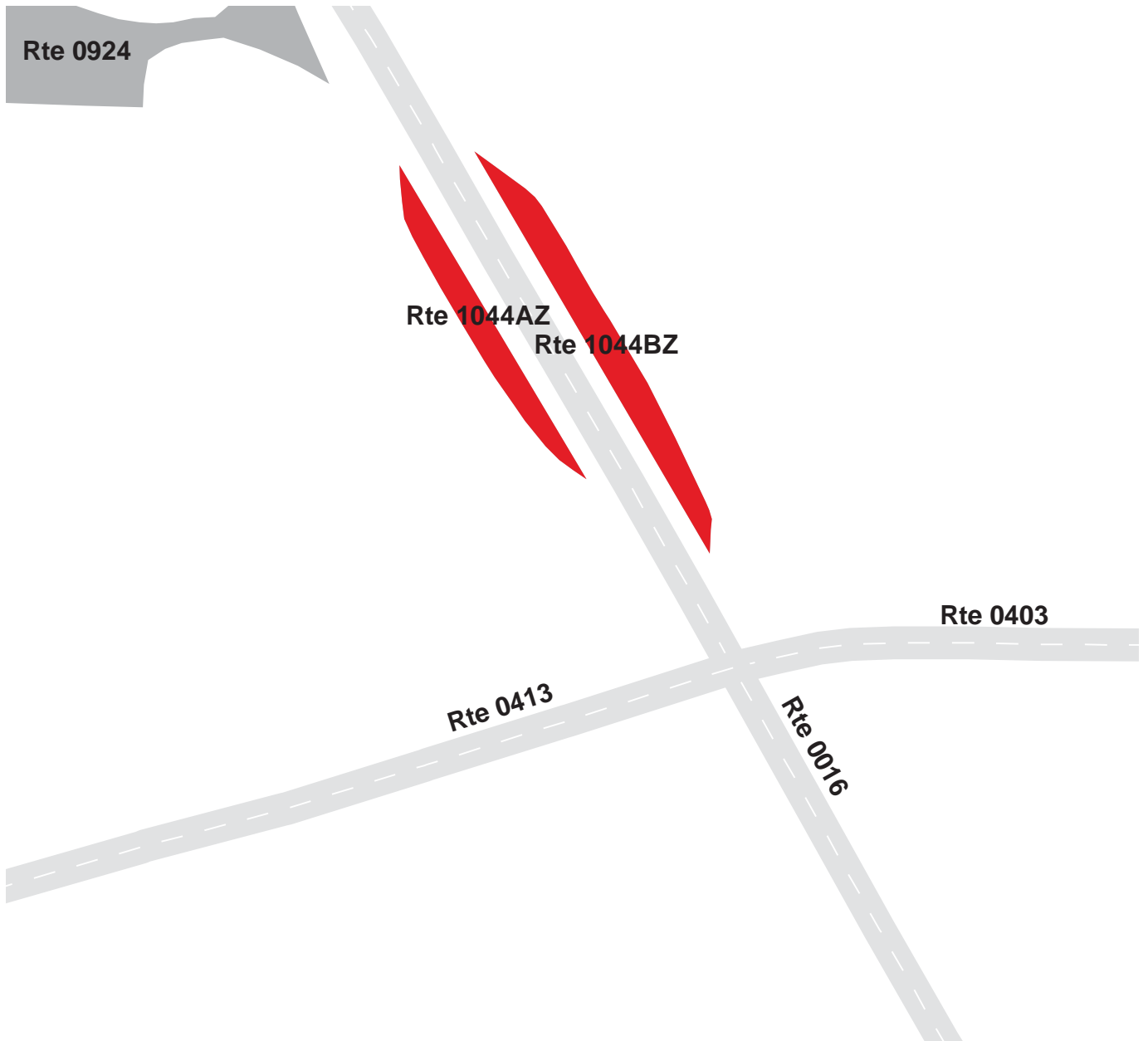
Route 1044ZZ

RANGER OPERATIONS PARKING LOTS
ADJACENT TO ROUTE 0016 (CENTER ROAD)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1044ZZ	NONPUBLIC	7/8/2009		2,959	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	STONE CURB	SUMMARY/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

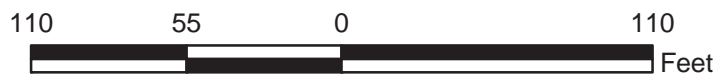
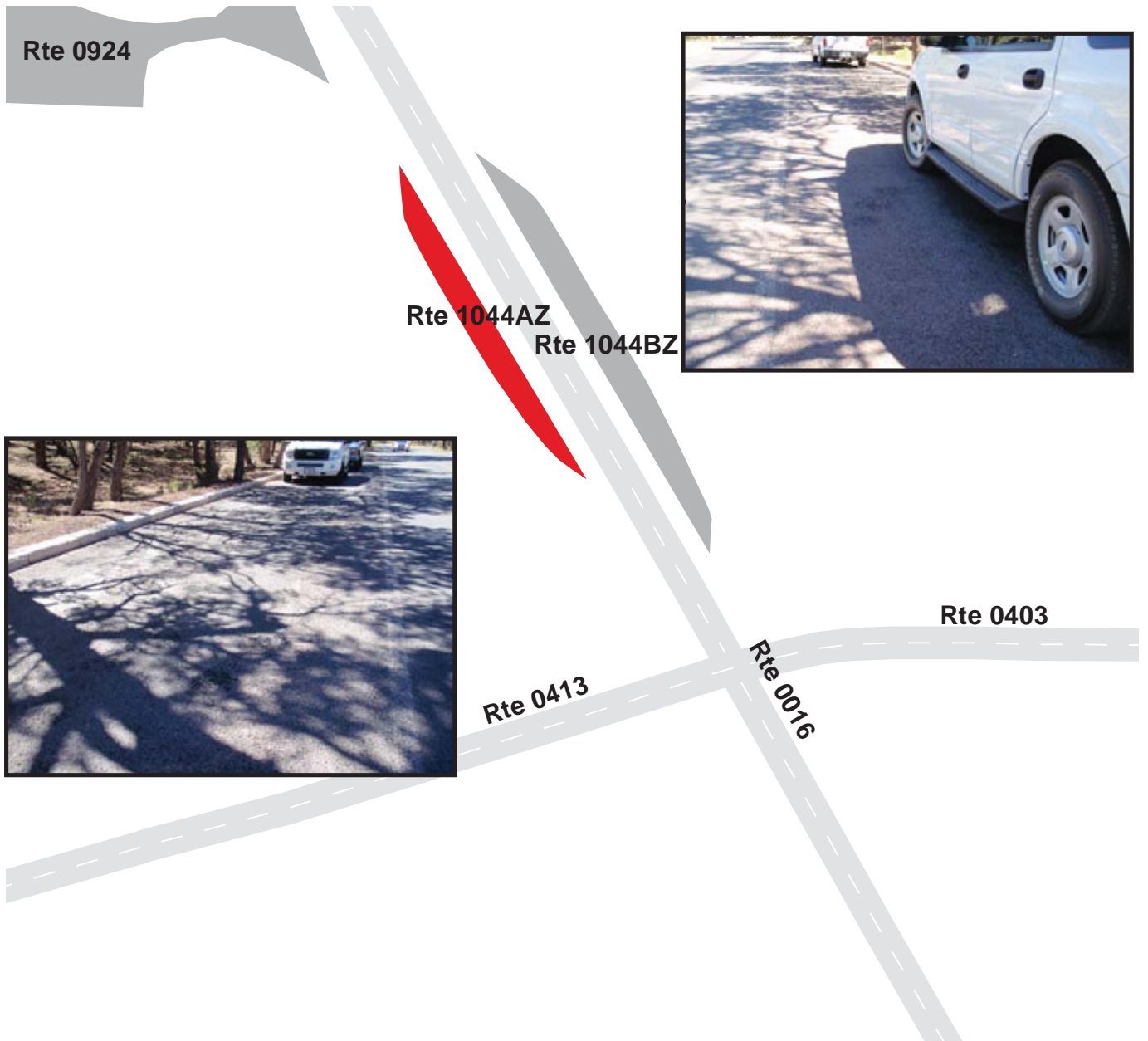
Route 1044AZ

MAGISTRATE PARKING A
ADJACENT TO ROUTE 0016 (CENTER ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1044AZ	NONPUBLIC	7/8/2009		1,161	0.02	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	1	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

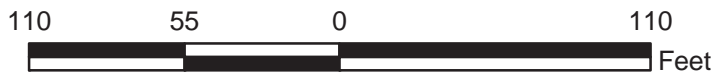
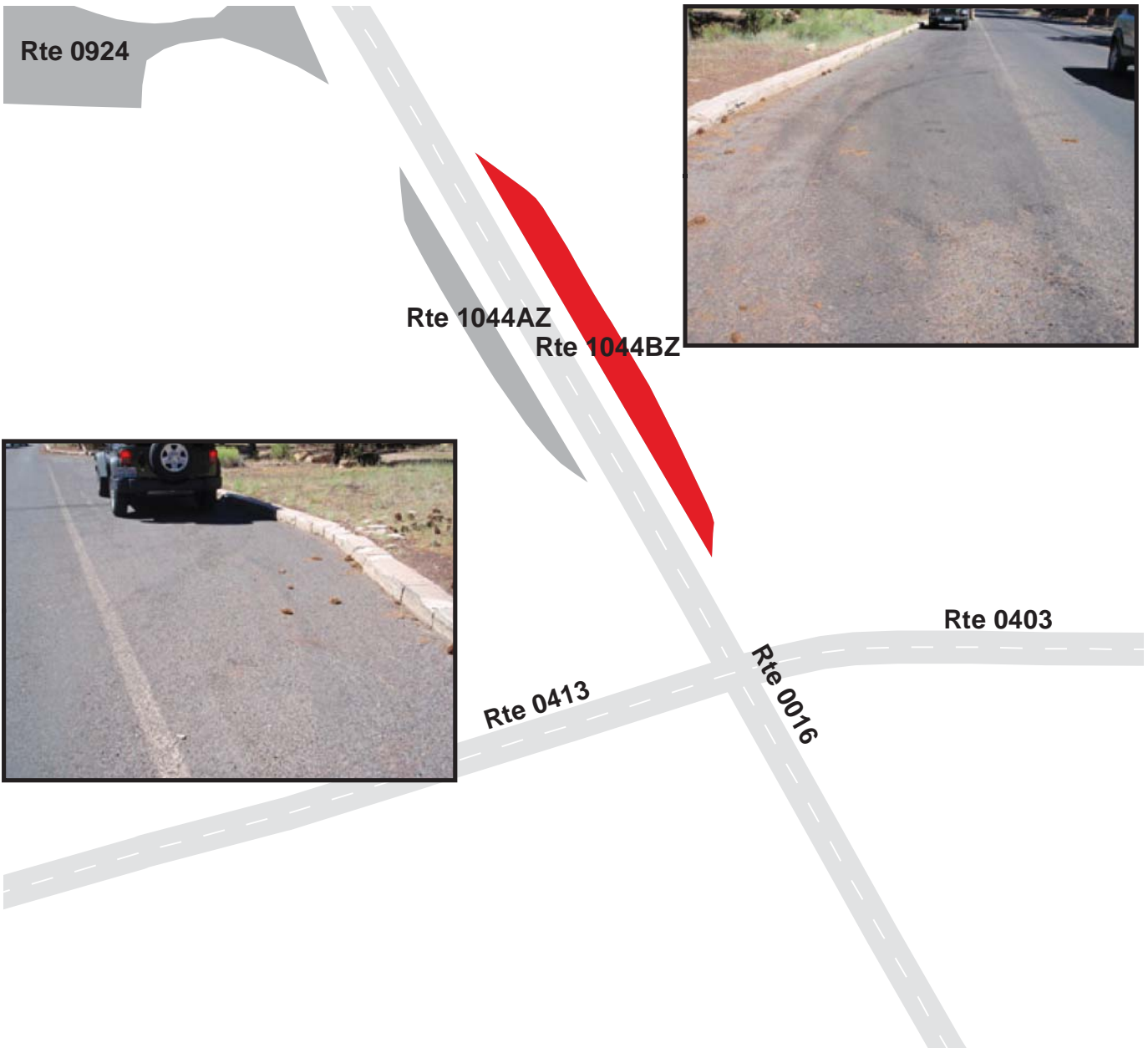
Route 1044BZ

MAGISTRATE PARKING B
ADJACENT TO ROUTE 0016 (CENTER ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1044BZ	NONPUBLIC	7/8/2009		1,798	0.03	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



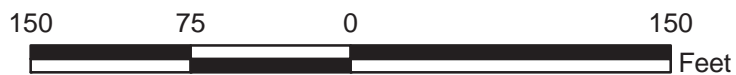
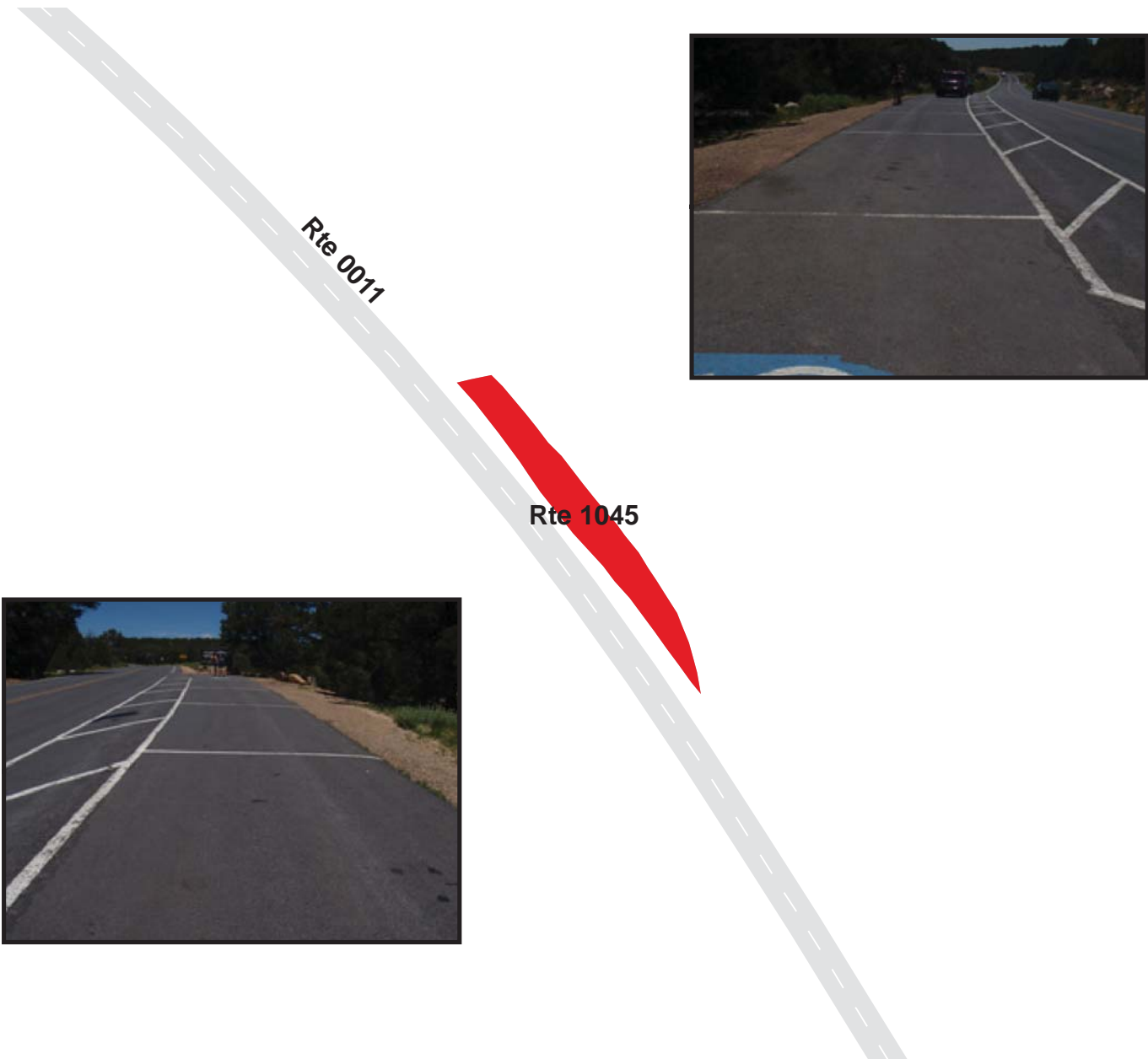
GRAND CANYON NATIONAL PARK

Route 1045

EAST ENTRANCE SIGN PARKING
ADJACENT TO ROUTE 0011 (DESERT VIEW DRIVE)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1045	PUBLIC	7/9/2009		3,046	0.05	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1046

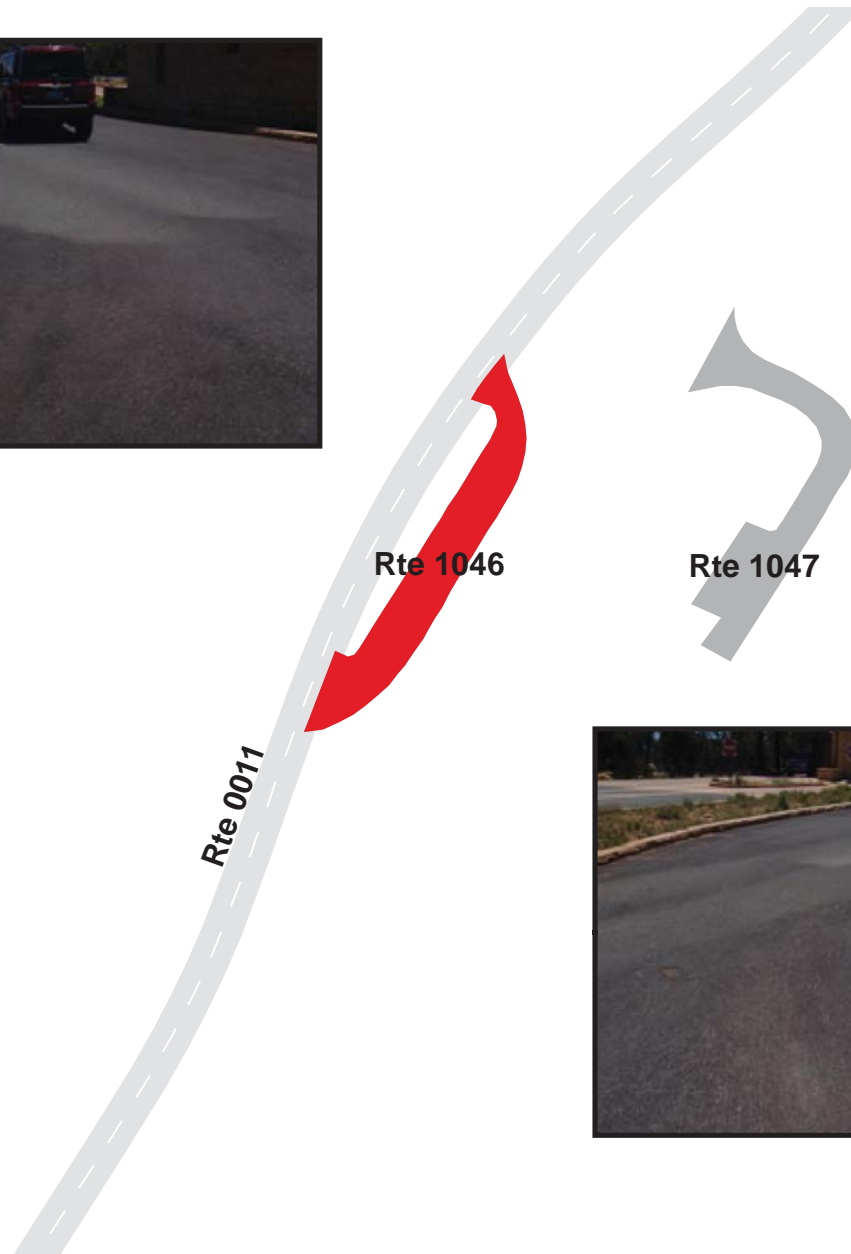
EAST ENTRANCE STATION PARKING

FROM ROUTE 0011 (DESERT VIEW DRIVE)

TO ROUTE 0011 (DESERT VIEW DRIVE)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1046	PUBLIC	7/9/2009		6,405	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



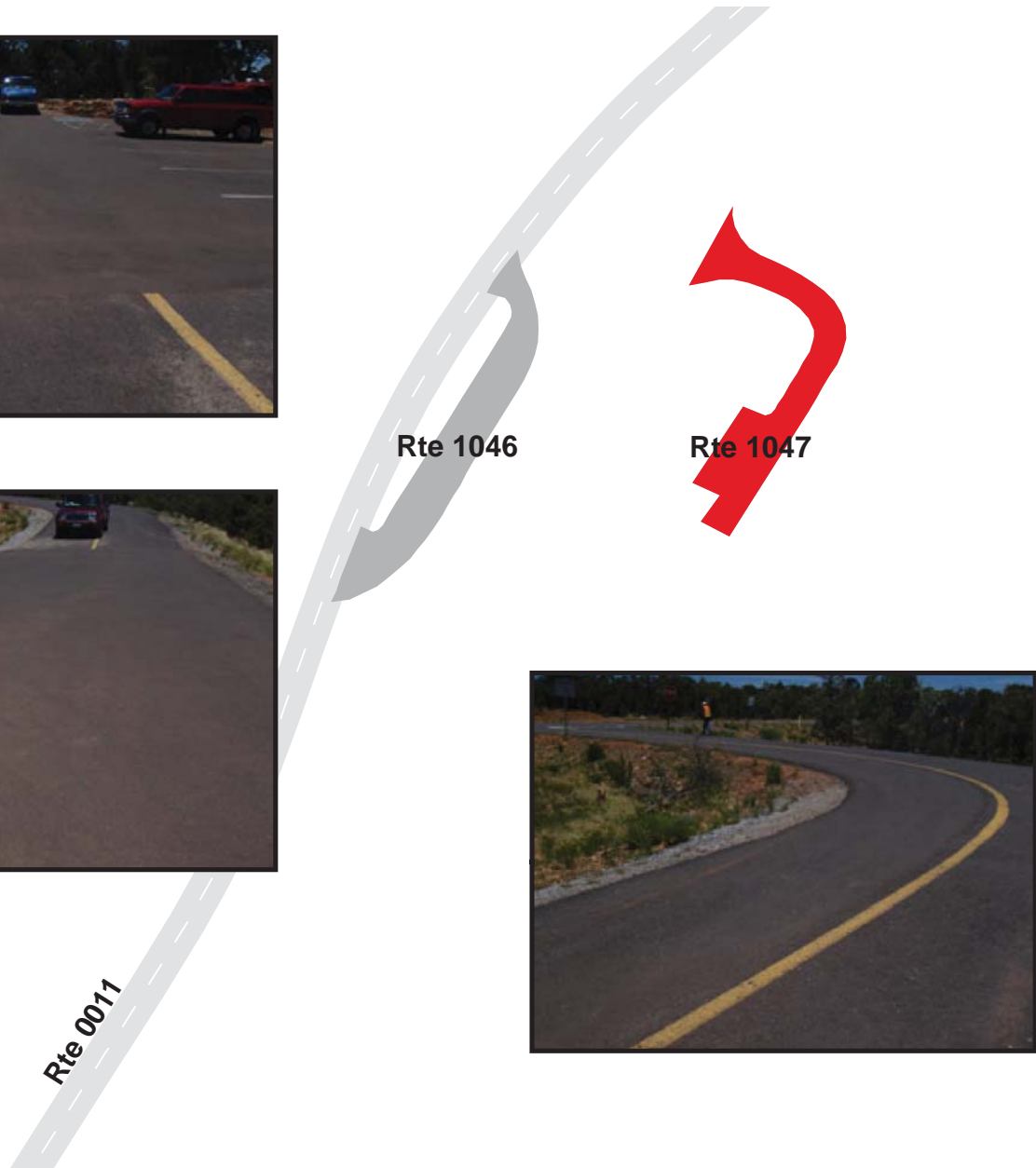
GRAND CANYON NATIONAL PARK

Route 1047

EAST STATION EMPLOYEE PARKING
FROM ROUTE 0011 (DESERT VIEW DRIVE)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1047	NONPUBLIC	7/9/2009		6,145	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	1	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



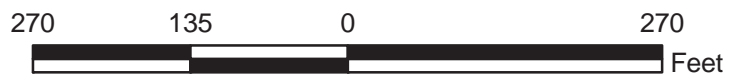
GRAND CANYON NATIONAL PARK

Route 1048

YAVAPAI LODGE SERVICE ROAD/PARKING
FROM ROUTE 0446 (WEST SHUTTLE ACCESS ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1048	NONPUBLIC	7/9/2009		10,226	0.18	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
1	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



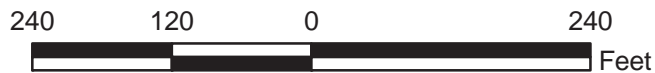
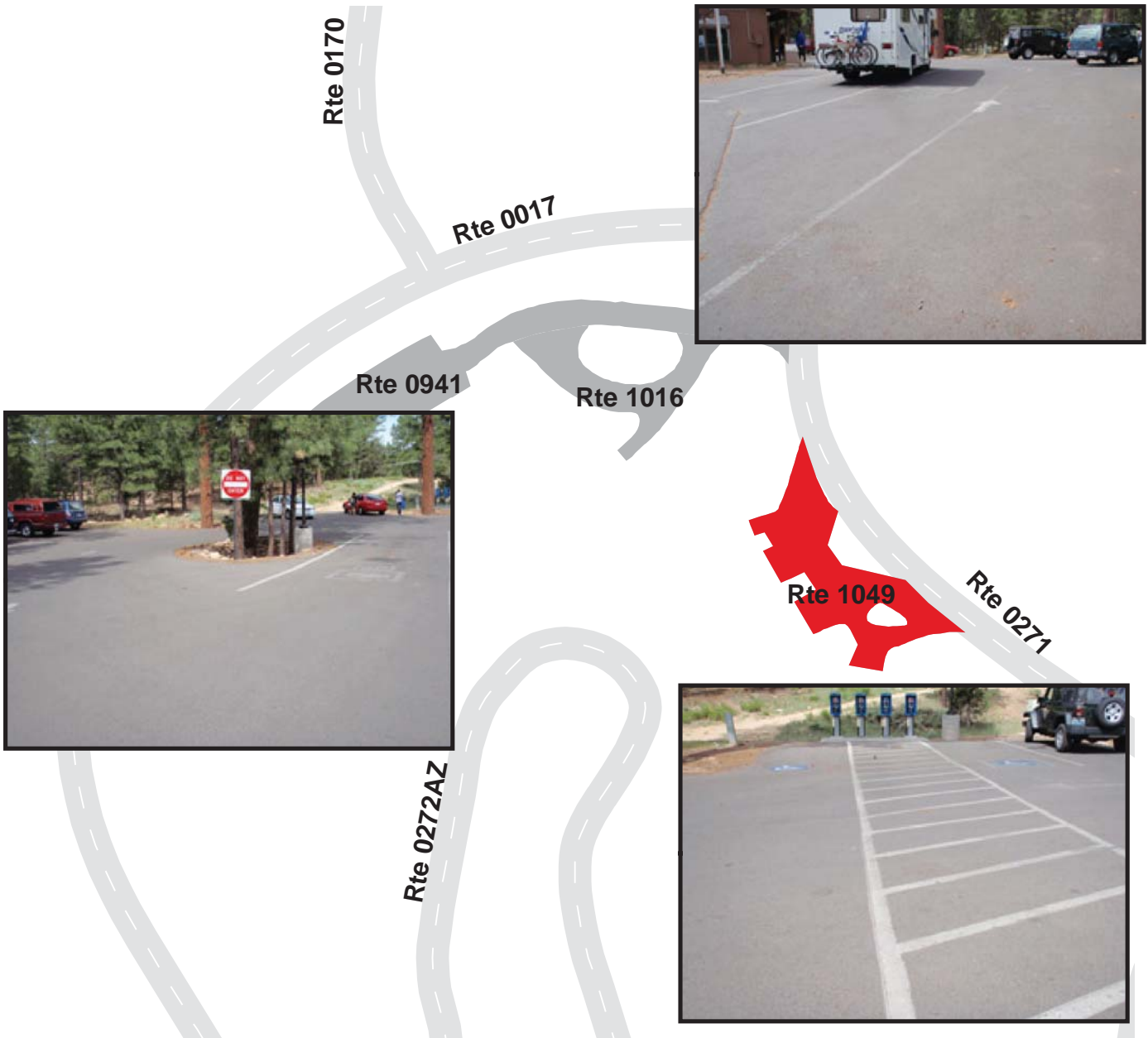
GRAND CANYON NATIONAL PARK

Route 1049

MATHER CAMPGROUND CHECK IN PARKING
 FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
 TO ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1049	PUBLIC	7/10/2009		12,745	0.22	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	1	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1050

REAR DORM PARKING

ADJACENT TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1050	NONPUBLIC	7/10/2009		6,537	0.11	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	2	NO CURB AND GUTTER	STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



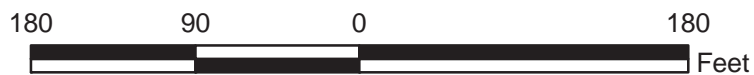
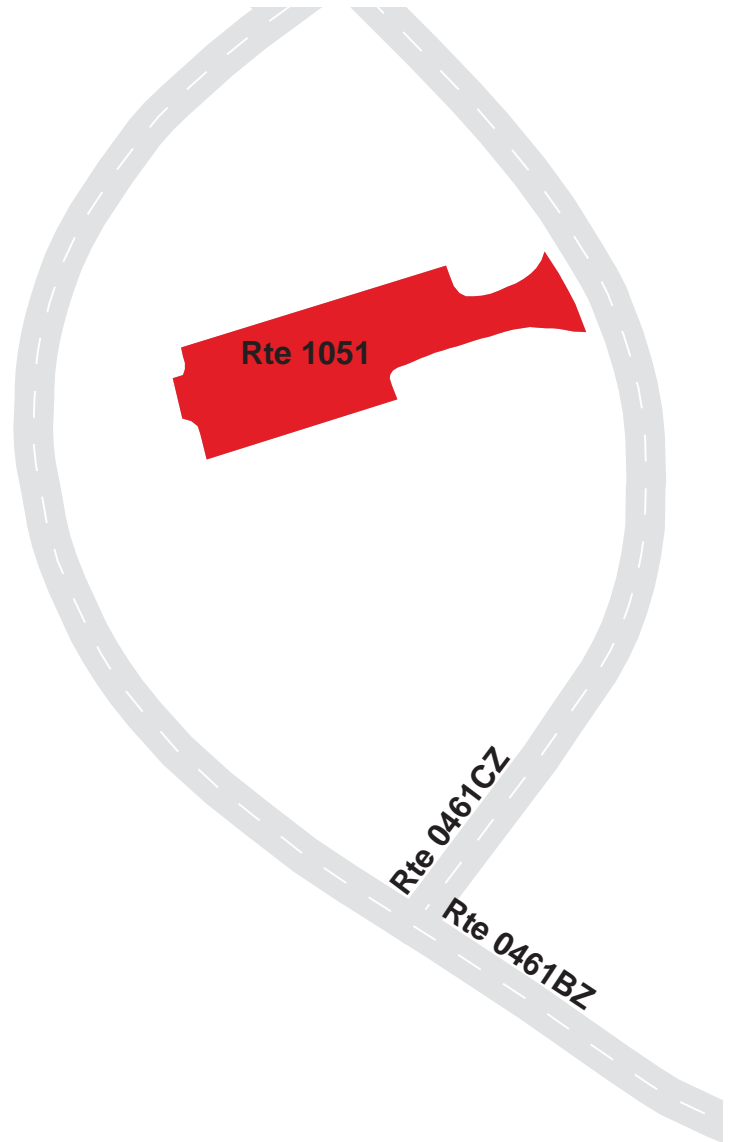
GRAND CANYON NATIONAL PARK

Route 1051

XANTERRA DESERT VIEW PARKING
FROM ROUTE 0461CZ (NANKOWEAP ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1051	NONPUBLIC	7/10/2009		8,666	0.15	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



GRAND CANYON NATIONAL PARK

Route 1052

EMS PARKING

FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))

TO ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1052	NONPUBLIC	7/10/2009		40,588	0.70	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
0	0	0	2	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



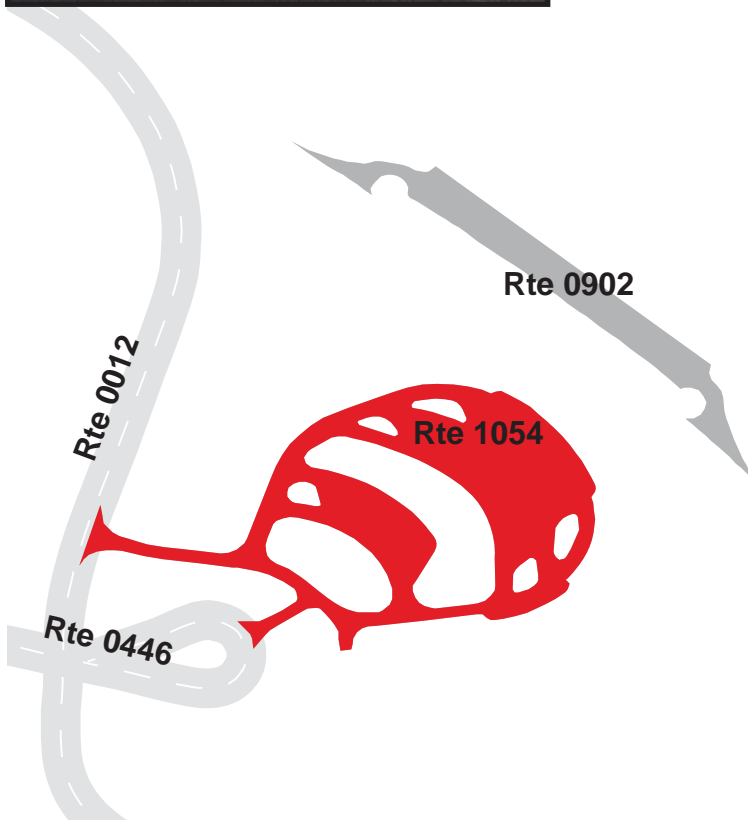
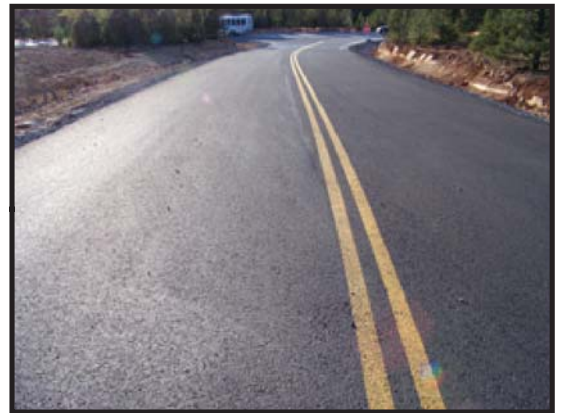
GRAND CANYON NATIONAL PARK

Route 1054

VISITOR CENTER (CVIP) PARKING
FROM ROUTE 0012 (SOUTH ENTRANCE ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
1054	PUBLIC	10/8/2009		151,753	2.61	AS
Culverts	Drop Inlets	Gates	Fire Hydrants	Curb & Gutter	Curb	PCR
3	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	EXCELLENT/97

* Lane miles are based on 11' lane widths



Grand Canyon National Park



Section 8 **Parkwide / Route Maintenance** **Features Summaries**

GRCA: PARKWIDE MAINTENANCE FEATURES SUMMARY

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count below includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

FEATURE	LINEAR FEET	COUNT
BARRIER	9,214	--
BOLLARD	2,064	--
BRIDGE	--	0
CABLE	0	--
CATTLE GUARD	--	1
CULVERT	--	466
CURB	46,533	--
DROP INLET	--	86
FIRE HYDRANT	--	232
GATE	--	36
GUARD/GUIDE RAIL	4,430	--
GUARD/GUIDE WALL	4,784	--
INTERSECTION	--	1,132
LOW WATER CROSSING	0	0
MILE MARKER	--	76
OVERPASS	--	0
OVERHEAD SIGN	--	8
PARK BOUNDARY	--	3
PAVED DITCH	7,154	--
PULLOUT	--	10
RAILROAD CROSSING	--	7
RETAINING WALL	370	9
SIGN	--	1,613
STATE BOUNDARY	--	0
TEMPORARY BARRIER	0	--
TRAFFIC LIGHT	--	18
TUNNEL	0	0
TURNOUT	0	--

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0010 POINT IMPERIAL ROAD	ROUTE 0011 DESERT VIEW DRIVE	ROUTE 0012 SOUTH ENTRANCE ROAD	ROUTE 0013 CAPE ROYAL ROAD	ROUTE 0014 NORTH ENTRANCE ROAD (HWY 67)	ROUTE 0015 HERMIT REST ROAD	UNIT
BARRIER	0	1,441	0	3,099	1,954	903	LINEAR FEET
BOLLARD	0	0	0	2,064	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	1	0	EACH
CULVERT	18	89	30	100	91	15	EACH
CURB	0	11,273	6,938	750	4,588	676	LINEAR FEET
DROP INLET	0	7	2	0	3	0	EACH
FIRE HYDRANT	0	0	0	0	2	0	EACH
GATE	0	2	3	1	1	2	EACH
GUARD/GUIDE RAIL	0	1,441	0	1,035	1,954	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	2,064	0	903	LINEAR FEET
INTERSECTION	4	47	46	20	27	34	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	47	6	0	23	0	EACH
OVERHEAD SIGN	0	0	8	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	1	1	0	1	0	EACH
PAVED DITCH	0	1,568	618	1,109	1,336	1,267	LINEAR FEET
PULLOUT	0	0	1	2	3	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	2	1	0	0	0	EACH
RETAINING WALL	0	37	11	0	0	0	LINEAR FEET
SIGN	12	190	195	104	107	45	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	6	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0016 CENTER ROAD	ROUTE 0017 MARKET PLAZA ROAD	ROUTE 0160 ROWE WELL ROAD	ROUTE 0167 PIMA POINT ROAD	ROUTE 0168 MOHAVE POINT ROAD	ROUTE 0169 POWELL MEMORIAL ROAD	UNIT
BARRIER	0	0	0	63	0	375	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	4	10	6	1	1	0	EACH
CURB	433	216	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	1	EACH
FIRE HYDRANT	0	0	1	0	0	0	EACH
GATE	0	0	1	0	0	0	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	63	0	375	LINEAR FEET
INTERSECTION	24	8	6	7	5	5	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	1	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	LINEAR FEET
SIGN	81	35	7	6	3	3	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	2	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0170 ZUNI WAY	ROUTE 0171 DESERT VIEW GAS STATION ACCESS ROAD	ROUTE 0172 DESERT VIEW ACCESS ROAD	ROUTE 0201 NORTH RIM CAMPGROUND ROAD	ROUTE 0204 NPS ACADEMY LOOP ROAD	ROUTE 0262 YAKI POINT ROAD	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	3	1	0	0	0	6	EACH
CURB	121	0	322	84	153	354	LINEAR FEET
DROP INLET	0	0	0	0	0	1	EACH
FIRE HYDRANT	0	0	0	1	1	0	EACH
GATE	0	0	0	0	0	2	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	5	11	7	9	6	8	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	LINEAR FEET
SIGN	12	13	9	12	7	16	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0263 KAIBAB TRAIL ACCESS ROAD	ROUTE 0264 GRANDVIEW POINT ROAD	ROUTE 0265 MORAN POINT ROAD	ROUTE 0266 TUSAYAN RUIN ROAD	ROUTE 0267 LIPAN POINT ROAD	ROUTE 0270 DESERT VIEW CAMPGROUND	UNIT
BARRIER	0	5	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	3	2	0	0	0	0	EACH
CURB	0	1,352	465	69	982	0	LINEAR FEET
DROP INLET	0	2	0	0	1	0	EACH
FIRE HYDRANT	0	0	0	0	0	0	EACH
GATE	0	0	0	0	0	1	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	5	0	0	0	0	LINEAR FEET
INTERSECTION	4	9	7	9	3	7	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	1	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	LINEAR FEET
SIGN	12	17	4	7	3	16	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0271 MATHER CAMPGROUND ACCESS ROAD	ROUTE 0272ZZ MATHER CAMPGROUND ROADS	ROUTE 0273ZZ NORTH RIM CAMPGROUND ROADS	ROUTE 0277ZZ TRAILER VILLAGE OUTER LOOP ROADS	ROUTE 0279ZZ TRAILER VILLAGE ROADS	ROUTE 0287 ROUTE 0160 ACCESS ROAD	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	2	11	0	1	0	4	EACH
CURB	42	0	0	16	0	21	LINEAR FEET
DROP INLET	1	0	0	0	0	0	EACH
FIRE HYDRANT	1	8	1	3	4	1	EACH
GATE	1	5	0	0	0	0	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	17	80	47	63	101	6	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	1	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	1	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	LINEAR FEET
SIGN	28	25	43	41	7	8	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	2	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0288 CLINIC ACCESS ROAD	ROUTE 0403 TONTO STREET	ROUTE 0404 AUTO SHOP ROAD	ROUTE 0405 ADMIN LOOP	ROUTE 0408 COCONINO ROAD	ROUTE 0409 BOULDER STREET	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	1	0	0	0	0	2	EACH
CURB	834	375	0	0	296	106	LINEAR FEET
DROP INLET	1	0	0	0	0	0	EACH
FIRE HYDRANT	1	2	0	5	3	6	EACH
GATE	0	0	0	0	0	0	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	16	9	6	11	12	9	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	1,003	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	LINEAR FEET
SIGN	18	13	9	13	14	16	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0411 BOULDER ALLEY	ROUTE 0413 APACHE STREET	ROUTE 0414 APACHE WEST	ROUTE 0415 APACHE ALLEY	ROUTE 0416 MUAV COURT	ROUTE 0417 HUALAPAI ROAD	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	1	0	0	0	1	EACH
CURB	0	2,350	84	0	296	0	LINEAR FEET
DROP INLET	0	2	1	0	0	0	EACH
FIRE HYDRANT	0	5	2	0	3	0	EACH
GATE	0	0	0	0	0	0	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	4	7	11	4	11	9	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	LINEAR FEET
SIGN	3	5	5	1	5	12	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0419 KOLB CIRCLE	ROUTE 0420ZZ MATHER STREET AREA	ROUTE 0421 POWELL AVENUE	ROUTE 0422 SOUTH MOHAVE STREET	ROUTE 0423 MOHAVE COURT	ROUTE 0426 MASWICK TRANSPORTATION CENTER ROAD	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	2	0	0	EACH
CURB	0	0	0	0	0	1,663	LINEAR FEET
DROP INLET	0	0	0	0	0	1	EACH
FIRE HYDRANT	0	1	1	1	3	0	EACH
GATE	0	0	0	0	0	0	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	6	12	11	8	11	5	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	48	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	LINEAR FEET
SIGN	0	6	10	4	1	13	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0427 KENNELS ROAD	ROUTE 0428 SHUTTLE BUS ROAD	ROUTE 0429 NPS HOUSING ROAD	ROUTE 0431 JUNIPER HILL	ROUTE 0432 NAVAJO STREET	ROUTE 0433 TAPEATS CIRCLE	UNIT
BARRIER	0	0	0	0	127	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	1	2	1	0	1	2	EACH
CURB	0	0	0	0	79	58	LINEAR FEET
DROP INLET	0	0	0	0	1	0	EACH
FIRE HYDRANT	0	2	1	5	1	2	EACH
GATE	1	0	0	0	0	0	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	127	0	LINEAR FEET
INTERSECTION	5	9	6	10	9	4	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	1	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
SIGN	8	22	1	9	14	2	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0434 HERMIT CIRCLE	ROUTE 0435 SUNSET DRIVE	ROUTE 0436ZZ BRIGHT ANGEL LOOP ROADS	ROUTE 0437 PARK CIRCLE	ROUTE 0438 BARRY HANCE CIRCLE	ROUTE 0440 RANDY THOMPSON CIRCLE	UNIT
BARRIER	0	0	95	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	1	0	2	2	1	EACH
CURB	42	0	21	0	21	174	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
FIRE HYDRANT	3	4	3	9	5	5	EACH
GATE	0	0	0	0	0	0	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	95	0	0	0	LINEAR FEET
INTERSECTION	6	18	22	8	6	10	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	79	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	LINEAR FEET
SIGN	1	18	16	13	7	17	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0441 BOB MANN STREET	ROUTE 0442 MORAN AVENUE	ROUTE 0443 LIPAN STREET	ROUTE 0444 KAIBAB STREET	ROUTE 0445ZZ NAVAJO RESIDENCE ROADS	ROUTE 0446 WEST SHUTTLE ACCESS ROAD	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	5	3	5	EACH
CURB	0	0	0	63	0	438	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
FIRE HYDRANT	2	0	0	5	0	0	EACH
GATE	0	0	0	0	0	2	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	4	5	4	8	11	20	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	74	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	1	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	LINEAR FEET
SIGN	6	1	0	10	5	26	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	1	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0447 EAST SHUTTLE ACCESS ROAD	ROUTE 0448ZZ CONCESSIONAIRE ROADS	ROUTE 0449 NORTH RIM RESIDENCE LOOP	ROUTE 0450 WASTEWATER PLANT / HELIPAD ROAD	ROUTE 0451 HAVASUPAI ROAD	ROUTE 0461ZZ EAST ENTRANCE RESIDENCE ROADS	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	2	0	EACH
CURB	0	855	37	0	0	0	LINEAR FEET
DROP INLET	0	2	1	0	0	0	EACH
FIRE HYDRANT	0	8	3	4	9	6	EACH
GATE	0	0	0	2	0	0	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	0	36	10	10	8	28	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	26	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	LINEAR FEET
SIGN	0	1	3	8	15	21	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0464 TANK C PUMPHOUSE ROAD	ROUTE 0485 EMPLOYEE SERVICE ROAD	ROUTE 0487 EMPLOYEE ACCESS ROAD	ROUTE 0488 FIRE STATION ACCESS ROAD	ROUTE 0489 INN CABIN LOOP	ROUTE 0490 CAMPGROUND STORE / CONCESSION ACCESS ROAD	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	1	EACH
CURB	0	0	0	180	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
FIRE HYDRANT	0	0	0	0	2	0	EACH
GATE	0	0	0	0	0	0	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	3	0	0	6	10	3	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	26	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
SIGN	2	0	0	2	12	1	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0492 DESERT VIEW MAINTENANCE / RANGER STATION ROAD	ROUTE 0500 VILLAGE LOOP DRIVE	ROUTE 0501 VILLAGE LOOP BYPASS	UNIT
BARRIER	0	1,151	0	LINEAR FEET
BOLLARD	0	0	0	LINEAR FEET
BRIDGE	0	0	0	EACH
CABLE	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	EACH
CULVERT	0	3	2	EACH
CURB	0	9,636	69	LINEAR FEET
DROP INLET	0	19	0	EACH
FIRE HYDRANT	0	12	0	EACH
GATE	0	1	0	EACH
GUARD/GUIDE RAIL	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	1,151	0	LINEAR FEET
INTERSECTION	5	31	8	EACH
LOW WATER CROSSING	0	0	0	EACH
LOW WATER CROSSING	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	EACH
OVERHEAD SIGN	0	0	0	EACH
OVERPASS	0	0	0	EACH
PARK BOUNDARY	0	0	0	EACH
PAVED DITCH	0	0	0	LINEAR FEET
PULLOUT	0	0	0	EACH
RAILROAD CROSSING	0	4	1	EACH
RETAINING WALL	0	2	4	EACH
RETAINING WALL	0	106	216	LINEAR FEET
SIGN	3	96	27	EACH
STATE BOUNDARY	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	7	0	EACH
TUNNEL	0	0	0	EACH
TUNNEL	0	0	0	LINEAR FEET
TURNOUT	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

GRCA: STRUCTURE LIST

ROUTE NUMBER	FUNCTIONAL CLASS	MILEPOST START	MILEPOST END	FEATURE	STRUCTURE NUMBER
-------------------------	-----------------------------	---------------------------	-------------------------	----------------	-----------------------------

No data available for this section.

Grand Canyon National Park



Section 9

Park Route Maintenance Features

Road Logs

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: POINT IMPERIAL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0013 (CAPE ROYAL ROAD) AT MP 5.43 ON LEFT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0013 (CAPE ROYAL ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0013 (CAPE ROYAL ROAD)
0.012	0.012	SIGN	RIGHT	GUIDE, PT. IMPERIAL 3 MI 5 KM CAPE ROYAL 15 MI 24 KM
0.030	0.030	CULVERT	N/A	
0.030	0.030	SIGN	LEFT	GUIDE, CAPE ROYAL 67
0.030	0.030	SIGN	RIGHT	REGULATORY, STOP
0.040	0.040	INTERSECTION	RIGHT	ROUTE 0010 (POINT IMPERIAL ROAD) SPUR
0.054	0.054	SIGN	RIGHT	WARNING, WINDING ROAD
0.083	0.083	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.114	0.114	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.166	0.166	CULVERT	N/A	
0.253	0.253	CULVERT	N/A	
0.296	0.296	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.431	0.431	CULVERT	N/A	
0.584	0.584	CULVERT	N/A	
0.826	0.826	CULVERT	N/A	
0.884	0.884	CULVERT	N/A	
0.988	0.988	CULVERT	N/A	
1.056	1.056	CULVERT	N/A	
1.177	1.177	CULVERT	N/A	
1.340	1.340	CULVERT	N/A	
1.530	1.530	CULVERT	N/A	
1.737	1.737	CULVERT	N/A	
1.860	1.860	CULVERT	N/A	
1.998	1.998	CULVERT	N/A	
2.218	2.218	CULVERT	N/A	
2.341	2.341	CULVERT	N/A	
2.495	2.495	SIGN	RIGHT	WARNING, 25 M.P.H.
2.495	2.495	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.543	2.543	CULVERT	N/A	
2.625	2.625	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
2.650	2.650	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
2.650	2.650	SIGN	LEFT	REGULATORY, KEEP RIGHT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: POINT IMPERIAL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.650	2.650	INTERSECTION	N/A	ROUTE 0967 (POINT IMPERIAL PARKING)
2.650	2.650	ROUTE END	N/A	TO ROUTE 0967 (POINT IMPERIAL PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.000	0.000	SIGN	N/A	GUIDE, UNABLE TO READ FROM VIDEO
0.002	0.002	SIGN	RIGHT	REGULATORY, STOP
0.003	0.008	CURB	RIGHT	
0.004	0.008	CURB	LEFT	
0.011	0.011	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) SPUR
0.011	0.011	INTERSECTION	RIGHT	ROUTE 0012 (SOUTH ENTRANCE ROAD) SPUR
0.018	0.018	CULVERT	N/A	
0.033	0.033	SIGN	RIGHT	WARNING, IN CLOUD WEATHER ROADS MAY BE ICY NEXT 28 MILES
0.065	0.065	SIGN	RIGHT	GUIDE, DESERT VIEW 25 MILES CAMERON 56 MILES
0.081	0.081	SIGN	RIGHT	GUIDE, FLAGSTAFF WILLIAMS 64
0.113	0.117	CURB	RIGHT	
0.139	0.139	INTERSECTION	RIGHT	ROUTE 0945 (PARKING AT MP 0.14)
0.151	0.151	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.175	0.175	CULVERT	N/A	
0.209	0.209	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.230	0.230	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
0.291	0.291	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.309	0.309	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.569	0.569	CULVERT	N/A	
0.579	0.579	MILE MARKER	LEFT	
0.579	0.579	MILE MARKER	RIGHT	
0.621	0.621	SIGN	RIGHT	WARNING, MERGING TRAFFIC
0.669	0.679	CURB	LEFT	
0.701	0.701	INTERSECTION	LEFT	ROUTE 0946 (PIPE CREEK PARKING 1)
0.753	0.757	CURB	LEFT	
0.834	0.838	CURB	LEFT	
0.871	0.871	INTERSECTION	LEFT	ROUTE 0947 (PIPE CREEK PARKING 2)
0.905	0.909	CURB	LEFT	
0.952	0.952	CULVERT	N/A	
0.961	0.961	SIGN	RIGHT	WARNING, MERGING TRAFFIC

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.019	1.019	SIGN	RIGHT	GUIDE, PARK INFORMATION TUNE RADIO TO 530 AM
1.046	1.046	CULVERT	N/A	
1.076	1.076	SIGN	RIGHT	GUIDE, YAKI PT. KAIBAB TRAIL
1.076	1.076	SIGN	RIGHT	GUIDE, ACCESS BY SHUTTLE BUS ONLY
1.093	1.093	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
1.118	1.118	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
1.126	1.126	SIGN	RIGHT	REGULATORY, NO PARKING
1.129	1.129	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
1.137	1.137	SIGN	LEFT	REGULATORY, DO NOT ENTER
1.139	1.139	INTERSECTION	LEFT	ROUTE 0262 (YAKI POINT ROAD)
1.147	1.147	SIGN	LEFT	GUIDE, ACCESS BY SHUTTLE BUS ONLY
1.147	1.147	SIGN	LEFT	REGULATORY, DO NOT ENTER
1.156	1.156	SIGN	RIGHT	REGULATORY, NO PARKING
1.158	1.158	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
1.168	1.168	SIGN	N/A	REGULATORY, ROAD CLOSED
1.168	1.168	SIGN	N/A	REGULATORY, DO NOT ENTER
1.168	1.168	GATE	N/A	
1.200	1.200	SIGN	RIGHT	GUIDE, ACCESS BY SHUTTLE BUS ONLY
1.200	1.200	SIGN	RIGHT	GUIDE, KAIBAB TRAIL YAKI PT.
1.220	1.220	CULVERT	N/A	
1.261	1.261	INTERSECTION	RIGHT	UNPAVED PARKING (PICNIC AREA)
1.265	1.265	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.296	1.296	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
1.382	1.382	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
1.407	1.407	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
1.495	1.495	CULVERT	N/A	
1.561	1.561	MILE MARKER	RIGHT	
1.562	1.562	MILE MARKER	LEFT	
1.671	1.671	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.671	1.671	SIGN	RIGHT	WARNING, NEXT 10 MILES
1.706	1.706	CULVERT	N/A	
1.898	1.898	INTERSECTION	RIGHT	UNPAVED ROUTE (GATED)
1.927	1.927	CULVERT	N/A	
2.152	2.152	INTERSECTION	RIGHT	UNPAVED PARKING (PICNIC AREA)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.158	2.158	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
2.231	2.231	INTERSECTION	RIGHT	UNPAVED ROUTE
2.288	2.288	CULVERT	N/A	
2.439	2.439	INTERSECTION	LEFT	UNPAVED PARKING
2.572	2.572	MILE MARKER	RIGHT	
2.573	2.573	MILE MARKER	LEFT	
2.654	2.654	CULVERT	N/A	
3.037	3.037	CULVERT	N/A	
3.315	3.315	CULVERT	N/A	
3.558	3.558	MILE MARKER	RIGHT	
3.558	3.558	MILE MARKER	LEFT	
3.683	3.683	INTERSECTION	RIGHT	UNPAVED ROUTE (GATED)
3.706	3.706	CULVERT	N/A	
3.787	3.787	SIGN	RIGHT	WARNING, MERGING TRAFFIC
3.791	3.791	CULVERT	N/A	
3.926	3.926	INTERSECTION	LEFT	ROUTE 0950 (DUCK-ON-A-ROCK OVERLOOK PARKING)
3.934	3.937	CURB	LEFT	
3.970	3.972	CURB	LEFT	
3.977	3.977	INTERSECTION	LEFT	ROUTE 0950 (DUCK-ON-A-ROCK OVERLOOK PARKING)
4.111	4.111	SIGN	RIGHT	WARNING, MERGING TRAFFIC
4.272	4.272	CULVERT	N/A	
4.399	4.399	CULVERT	N/A	
4.552	4.552	MILE MARKER	RIGHT	
4.552	4.552	MILE MARKER	LEFT	
4.635	4.635	CULVERT	N/A	
4.671	4.671	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
4.751	4.756	CURB	LEFT	
4.793	4.793	INTERSECTION	LEFT	ROUTE 0951 (TWIN OVERLOOK PARKING 1)
4.815	4.820	CURB	LEFT	
4.833	4.837	CURB	LEFT	
4.865	4.865	INTERSECTION	LEFT	ROUTE 0952 (TWIN OVERLOOK PARKING 2)
4.897	4.902	CURB	LEFT	
4.970	4.970	CULVERT	N/A	
5.077	5.077	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
5.306	5.306	CULVERT	N/A	
5.476	5.476	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
5.533	5.533	MILE MARKER	RIGHT	
5.534	5.534	MILE MARKER	LEFT	
5.564	5.564	CULVERT	N/A	
5.687	5.687	CULVERT	N/A	
5.796	5.796	CULVERT	N/A	
5.930	5.930	INTERSECTION	RIGHT	UNPAVED ROUTE
6.016	6.016	CULVERT	N/A	
6.034	6.034	INTERSECTION	LEFT	UNPAVED PARKING
6.043	6.043	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
6.051	6.051	INTERSECTION	LEFT	UNPAVED PARKING
6.189	6.189	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
6.358	6.358	CULVERT	N/A	
6.537	6.537	MILE MARKER	RIGHT	
6.538	6.538	MILE MARKER	LEFT	
6.567	6.571	CURB	LEFT	
6.608	6.608	INTERSECTION	LEFT	ROUTE 0953 (THOR'S HAMMER OVERLOOK PARKING)
6.658	6.662	CURB	LEFT	
6.790	6.790	CULVERT	N/A	
7.141	7.141	CULVERT	N/A	
7.387	7.387	CULVERT	N/A	
7.442	7.442	CULVERT	N/A	
7.524	7.524	MILE MARKER	RIGHT	
7.525	7.525	MILE MARKER	LEFT	
8.032	8.032	CULVERT	N/A	
8.271	8.271	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
8.337	8.337	CULVERT	N/A	
8.500	8.500	CULVERT	N/A	
8.535	8.535	MILE MARKER	RIGHT	
8.536	8.536	MILE MARKER	LEFT	
8.572	8.572	CULVERT	N/A	
8.688	8.688	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
8.736	8.736	SIGN	RIGHT	GUIDE, GRANDVIEW POINT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
8.770	8.770	CULVERT	N/A	
8.811	8.811	INTERSECTION	LEFT	ROUTE 0264 (GRANDVIEW POINT ROAD)
8.816	8.816	CULVERT	N/A	
8.877	8.877	SIGN	RIGHT	GUIDE, GRANDVIEW POINT
8.933	8.933	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
8.980	8.980	CULVERT	N/A	
9.308	9.308	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
9.312	9.312	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
9.345	9.345	INTERSECTION	RIGHT	UNPAVED ROUTE
9.487	9.487	CULVERT	N/A	
9.499	9.499	MILE MARKER	LEFT	
9.499	9.499	MILE MARKER	RIGHT	
9.674	9.674	CULVERT	N/A	
9.769	9.769	CULVERT	N/A	
10.314	10.314	CULVERT	N/A	
10.515	10.515	MILE MARKER	RIGHT	
10.515	10.515	MILE MARKER	LEFT	
10.716	10.716	CULVERT	N/A	
10.721	10.721	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.776	10.776	SIGN	RIGHT	GUIDE, ARIZONA TRAIL
10.839	10.839	INTERSECTION	RIGHT	UNPAVED ROUTE (ARIZONA TRAIL)
10.903	10.903	SIGN	RIGHT	GUIDE, ARIZONA TRAIL
10.927	10.927	CULVERT	N/A	
11.025	11.025	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
11.044	11.044	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
11.337	11.337	CULVERT	N/A	
11.362	11.362	CULVERT	N/A	
11.372	11.567	CURB	RIGHT	
11.514	11.514	MILE MARKER	RIGHT	
11.514	11.514	MILE MARKER	LEFT	
11.551	11.551	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
11.551	11.551	SIGN	RIGHT	WARNING, NEXT 10 MILES
11.580	11.580	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
11.709	11.709	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
11.740	11.815	PAVED DITCH	RIGHT	
11.773	11.773	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
11.813	11.813	DROP INLET	RIGHT	
11.906	12.041	CURB	LEFT	
11.962	11.962	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
12.052	12.052	SIGN	RIGHT	GUIDE, BUGGELN PICNIC AREA
12.114	12.118	CURB	LEFT	
12.122	12.122	INTERSECTION	LEFT	ROUTE 0954 (BUGGELN PICNIC AREA)
12.129	12.133	CURB	LEFT	
12.191	12.191	SIGN	RIGHT	GUIDE, BUGGELN PICNIC AREA
12.271	12.340	CURB	RIGHT	
12.531	12.531	CULVERT	N/A	
12.556	12.556	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
12.645	12.645	CULVERT	N/A	
12.657	12.657	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
12.672	12.672	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
12.686	12.686	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
12.801	12.863	PAVED DITCH	LEFT	
12.804	12.804	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
12.864	12.864	CULVERT	N/A	
12.978	12.978	CULVERT	N/A	
12.984	12.984	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
13.010	13.069	CURB	LEFT	
13.132	13.132	INTERSECTION	RIGHT	UNPAVED ROUTE
13.549	13.549	MILE MARKER	LEFT	
13.549	13.549	MILE MARKER	RIGHT	
13.679	13.679	SIGN	LEFT	REGULATORY, NO PARKING
13.693	13.693	SIGN	LEFT	REGULATORY, NO PARKING
14.003	14.003	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
14.024	14.024	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
14.500	14.500	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
14.562	14.562	SIGN	RIGHT	GUIDE, MORAN POINT
14.579	14.579	MILE MARKER	LEFT	
14.579	14.579	MILE MARKER	RIGHT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
14.767	14.767	INTERSECTION	LEFT	ROUTE 0265 (MORAN POINT ROAD)
14.842	14.842	SIGN	RIGHT	GUIDE, MORAN POINT
14.900	14.900	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
15.037	15.037	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
15.622	15.622	MILE MARKER	LEFT	
15.622	15.622	MILE MARKER	RIGHT	
15.777	15.777	CULVERT	N/A	
15.804	15.804	CULVERT	N/A	
15.972	15.972	CULVERT	N/A	
16.263	16.263	CULVERT	N/A	
16.337	16.337	CULVERT	N/A	
16.560	16.560	CULVERT	N/A	
16.577	16.577	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
16.641	16.641	MILE MARKER	LEFT	
16.641	16.641	MILE MARKER	RIGHT	
16.808	16.808	CULVERT	N/A	
16.835	16.835	SIGN	RIGHT	WARNING, 25 M.P.H.
16.835	16.835	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
16.944	16.944	CULVERT	N/A	
17.257	17.257	SIGN	RIGHT	WARNING, 25 M.P.H.
17.257	17.257	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
17.575	17.575	CULVERT	N/A	
17.678	17.678	MILE MARKER	LEFT	
17.679	17.679	MILE MARKER	RIGHT	
17.787	17.787	SIGN	RIGHT	WARNING, 25 M.P.H.
17.787	17.787	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
17.797	17.797	CULVERT	N/A	
17.880	17.880	CULVERT	N/A	
17.949	17.949	CULVERT	N/A	
18.000	18.000	SIGN	RIGHT	WARNING, 25 M.P.H.
18.000	18.000	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.040	18.040	DROP INLET	LEFT	
18.041	18.122	CURB	LEFT	
18.056	18.146	GUARD/GUIDE RAIL	RIGHT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
18.071	18.071	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
18.071	18.071	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.082	18.082	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
18.082	18.082	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.099	18.099	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
18.099	18.099	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.120	18.120	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
18.120	18.120	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.130	18.130	CULVERT	N/A	
18.138	18.138	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
18.139	18.139	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.193	18.193	SIGN	RIGHT	WARNING, 25 M.P.H.
18.193	18.193	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.379	18.379	CULVERT	N/A	
18.397	18.397	SIGN	RIGHT	WARNING, 25 M.P.H.
18.397	18.397	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.465	18.465	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.480	18.480	CULVERT	N/A	
18.512	18.512	SIGN	RIGHT	GUIDE, TUSAYAN MUSEUM AND RUINS
18.516	18.516	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
18.583	18.583	INTERSECTION	RIGHT	ROUTE 0266 (TUSAYAN RUIN ROAD)
18.635	18.635	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
18.642	18.642	SIGN	RIGHT	GUIDE, TUSAYAN MUSEUM AND RUINS
18.683	18.683	CULVERT	N/A	
18.688	18.688	MILE MARKER	LEFT	
18.688	18.688	MILE MARKER	RIGHT	
18.706	18.706	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.815	18.815	CULVERT	N/A	
18.943	18.943	CULVERT	N/A	
19.082	19.086	RETAINING WALL	RIGHT	
19.083	19.083	CULVERT	N/A	
19.085	19.111	CURB	RIGHT	
19.215	19.215	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
19.216	19.216	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
19.217	19.220	RETAINING WALL	RIGHT	
19.219	19.219	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
19.220	19.381	CURB	RIGHT	
19.379	19.379	CULVERT	N/A	
19.385	19.479	CURB	RIGHT	
19.613	19.613	INTERSECTION	LEFT	ROUTE 0955 (NO-NAME POINT PARKING)
19.672	19.672	INTERSECTION	LEFT	ROUTE 0955 (NO-NAME POINT PARKING)
19.724	19.724	MILE MARKER	RIGHT	
19.724	19.724	MILE MARKER	LEFT	
19.773	19.773	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
19.822	19.822	SIGN	RIGHT	GUIDE, LIPAN POINT
19.870	19.870	CULVERT	N/A	
19.895	19.895	INTERSECTION	LEFT	ROUTE 0267 (LIPAN POINT ROAD)
19.915	20.000	CURB	RIGHT	
19.947	19.947	CULVERT	N/A	
19.958	19.958	SIGN	RIGHT	GUIDE, LIPAN POINT
19.980	20.206	CURB	LEFT	
19.981	19.981	DROP INLET	LEFT	
20.022	20.022	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
20.056	20.216	PAVED DITCH	RIGHT	
20.229	20.229	CULVERT	N/A	
20.258	20.258	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
20.424	20.424	CULVERT	N/A	
20.709	20.709	CULVERT	N/A	
20.762	20.762	MILE MARKER	LEFT	
20.762	20.762	MILE MARKER	RIGHT	
20.864	20.864	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
20.919	20.919	SIGN	RIGHT	GUIDE, NAVAJO POINT
20.922	21.004	GUARD/GUIDE RAIL	LEFT	
20.959	20.959	CULVERT	N/A	
21.042	21.042	GATE	N/A	
21.042	21.042	SIGN	N/A	REGULATORY, ROAD CLOSED
21.042	21.042	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
21.042	21.042	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
21.056	21.056	INTERSECTION	LEFT	ROUTE 0956 (NAVAJO POINT PARKING)
21.117	21.117	SIGN	RIGHT	WARNING, 25 M.P.H.
21.117	21.117	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
21.121	21.121	SIGN	RIGHT	GUIDE, NAVAJO POINT
21.160	21.160	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
21.165	21.256	CURB	LEFT	
21.257	21.299	CURB	LEFT	
21.277	21.277	CULVERT	N/A	
21.302	21.302	CULVERT	N/A	
21.305	21.406	GUARD/GUIDE RAIL	LEFT	
21.305	21.464	CURB	RIGHT	
21.330	21.330	SIGN	RIGHT	WARNING, 25 M.P.H.
21.330	21.330	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
21.367	21.367	SIGN	RIGHT	REGULATORY, NO STOPPING ON ROADWAY VIEWPOINT 1750 FT.
21.425	21.425	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
21.457	21.457	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
21.458	21.458	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
21.490	21.490	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
21.523	21.523	SIGN	RIGHT	GUIDE, DESERT VIEW VISITOR SERVICES HISTORIC WATCHTOWER NEXT LEFT
21.523	21.523	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
21.538	21.538	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE) OPPOSITE LANE
21.541	21.615	CURB	LEFT	
21.542	21.542	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
21.571	21.571	SIGN	RIGHT	GUIDE, DESERT VIEW VISITOR SERVICES HISTORIC WATCHTOWER
21.582	21.582	SIGN	RIGHT	WARNING, LANE ENDS MERGE LEFT
21.592	21.592	CULVERT	N/A	
21.623	21.623	INTERSECTION	RIGHT	ROUTE 0498 (SERVICE ROAD TO DESERT VIEW WATER TANK)
21.623	21.623	INTERSECTION	LEFT	ROUTE 0172 (DESERT VIEW ACCESS ROAD)
21.632	21.731	CURB	LEFT	
21.660	21.660	SIGN	RIGHT	WARNING, LANE ENDS MERGE RIGHT
21.669	21.669	SIGN	RIGHT	GUIDE, DESERT VIEW VISITOR SERVICES HISTORIC WATCHTOWER

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
21.685	21.685	SIGN	RIGHT	GUIDE, CAMERON 33 MI/ 53 KM FLAGSTAFF 83 MI/ 134 KM NORTH RIM 187 MI/ 300 KM
21.706	21.706	SIGN	RIGHT	GUIDE, FIRST VIEW OF GRAND CANYON 500 FT.
21.706	21.706	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
21.712	21.712	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
21.717	21.717	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
21.723	21.723	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
21.732	21.732	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE) OPPOSITE LANE
21.732	21.732	SIGN	LEFT	REGULATORY, DO NOT ENTER
21.732	21.732	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
21.783	21.783	MILE MARKER	LEFT	
21.783	21.783	MILE MARKER	RIGHT	
21.807	21.807	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE) OPPOSITE LANE
21.812	21.812	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
21.812	21.848	CURB	LEFT	
21.832	21.832	CULVERT	N/A	
21.832	21.832	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
21.852	21.852	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE) CUT-THRU
21.855	21.862	CURB	LEFT	
21.859	21.859	SIGN	RIGHT	WARNING, LANE ENDS MERGE LEFT
21.866	21.866	INTERSECTION	LEFT	ROUTE 1046 (EAST ENTRANCE STATION PARKING)
21.869	21.903	CURB	LEFT	
21.871	21.871	SIGN	LEFT	REGULATORY, DO NOT ENTER
21.894	21.894	SIGN	RIGHT	REGULATORY, STOP
21.900	21.900	SIGN	N/A	REGULATORY, STOP
21.902	21.902	SIGN	N/A	GUIDE, GRAND CANYON NATIONAL PARK ENTRANCE FEES
21.906	21.906	INTERSECTION	LEFT	ROUTE 1046 (EAST ENTRANCE STATION PARKING)
21.909	21.909	SIGN	RIGHT	REGULATORY, ONE WAY
21.911	21.911	DROP INLET	LEFT	
21.914	21.919	CURB	LEFT	
21.921	21.921	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE) CUT-THRU
21.922	21.922	SIGN	RIGHT	REGULATORY, ONE WAY
21.924	21.924	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
21.924	21.924	SIGN	LEFT	REGULATORY, STOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
21.924	21.938	CURB	LEFT	
21.932	21.932	SIGN	LEFT	WARNING, SLOW
21.939	21.939	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
21.940	21.940	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE) OPPOSITE LANE
21.951	21.951	CULVERT	N/A	
21.992	21.992	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
22.005	22.005	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
22.052	22.052	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
22.063	22.063	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
22.121	22.121	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
22.145	22.145	CULVERT	N/A	
22.297	22.297	SIGN	RIGHT	GUIDE, GRAND CANYON PROUDLY RECYCLES
22.337	22.337	INTERSECTION	RIGHT	ROUTE 0497 (SERVICE ROAD TO DESERT VIEW DRY DUMP)
22.799	22.799	MILE MARKER	LEFT	
22.799	22.799	MILE MARKER	RIGHT	
23.230	23.230	SIGN	RIGHT	GUIDE, FIRE DANGER MODERATE TODAY!
23.429	23.429	SIGN	RIGHT	GUIDE, IT IS ILLEGAL TO FEED OR APPROACH WILDLIFE
23.481	23.481	CULVERT	N/A	
23.656	23.656	CULVERT	N/A	
23.733	23.733	SIGN	RIGHT	WARNING, 35 M.P.H.
23.733	23.733	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
23.801	23.801	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
23.838	23.838	MILE MARKER	RIGHT	
23.838	23.838	MILE MARKER	LEFT	
23.843	23.946	CURB	RIGHT	
23.844	23.844	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
23.846	23.846	CULVERT	N/A	
23.897	23.897	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
23.945	23.945	DROP INLET	RIGHT	
23.945	23.945	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
23.945	23.945	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
23.971	24.055	CURB	RIGHT	
23.985	23.985	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
23.986	23.986	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: DESERT VIEW DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
24.031	24.031	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
24.031	24.031	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
24.055	24.055	DROP INLET	RIGHT	
24.130	24.233	CURB	RIGHT	
24.132	24.132	CULVERT	N/A	
24.145	24.145	SIGN	RIGHT	WARNING, 35 M.P.H.
24.145	24.145	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
24.227	24.227	DROP INLET	RIGHT	
24.265	24.343	CURB	LEFT	
24.307	24.307	CULVERT	N/A	
24.401	24.401	CULVERT	N/A	
24.563	24.563	SIGN	RIGHT	GUIDE, GRAND CANYON NATIONAL PARK FEES REQUAIED
24.571	24.571	CULVERT	N/A	
24.622	24.622	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
24.670	24.670	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
24.700	24.700	SIGN	RIGHT	WARNING, IN COLD WEATHER ROADS MAY BE ICY NEXT 28 MILES
24.736	24.736	SIGN	RIGHT	GUIDE, GRAND CANYON NATIONAL PARK UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE
24.744	24.744	SIGN	RIGHT	REGULATORY, NO PARKING
24.755	24.755	INTERSECTION	LEFT	ROUTE 1045 (EAST ENTRANCE SIGN PARKING)
24.777	24.777	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
24.777	24.777	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
24.809	24.809	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
24.833	24.833	SIGN	RIGHT	GUIDE, FIREARMS & HUNTING PROHIBITED
24.846	24.846	INTERSECTION	RIGHT	UNPAVED ROUTE (FOREST SERVICE)
24.848	24.848	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
24.850	24.850	INTERSECTION	N/A	PAVED ROUTE (STATE ROUTE 64/NON NPS)
24.850	24.850	MILE MARKER	RIGHT	
24.850	24.850	PARK BOUNDARY	N/A	
24.850	24.850	SIGN	LEFT	GUIDE, KAIBAB NATIONAL FOREST
24.850	24.850	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
24.850	24.850	ROUTE END	N/A	TO EAST PARK BOUNDARY

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: SOUTH ENTRANCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM PAVEMENT CHANGE AND MOQUI DRIVE (ON THE LEFT)
0.000	0.000	INTERSECTION	LEFT	PAVED ROUTE (MOQUI DRIVE / NON NPS)
0.000	0.000	INTERSECTION	N/A	PAVED ROUTE (STATE ROUTE 64 / NON NPS)
0.000	0.000	PARK BOUNDARY	N/A	
0.018	0.018	SIGN	RIGHT	REGULATORY, ONLY
0.018	0.018	SIGN	RIGHT	REGULATORY, RIGHT LANE
0.020	0.020	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.021	0.021	MILE MARKER	LEFT	
0.021	0.021	MILE MARKER	RIGHT	
0.037	0.037	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.065	0.065	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.065	0.065	SIGN	RIGHT	GUIDE, 328
0.091	0.091	SIGN	RIGHT	GUIDE, AVAILABLE
0.096	0.096	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.097	0.097	SIGN	RIGHT	WARNING, WATCH FOR ICE
0.109	0.109	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.160	0.172	PAVED DITCH	RIGHT	
0.175	0.175	SIGN	RIGHT	GUIDE, KAIBAB NATIONAL FOREST
0.223	0.223	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.286	0.286	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.286	0.286	SIGN	RIGHT	REGULATORY, YOUR SPEED
0.310	0.310	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.333	0.333	SIGN	RIGHT	REGULATORY, AUTHORIZED VEHICLES ONLY
0.356	0.356	INTERSECTION	RIGHT	PAVED ROUTE (AUTHORIZED VEHICLES ONLY)
0.397	0.397	SIGN	RIGHT	GUIDE, PREPAID PARTIES USE LANES 1 & 2 COMMERCIAL VEHICLES MUST USE RIGHT LANE
0.429	0.429	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.458	0.458	INTERSECTION	RIGHT	ROUTE 0900 (SOUTH ENTRANCE GRAND CANYON PARKING)
0.481	0.498	PAVED DITCH	RIGHT	
0.497	0.497	SIGN	RIGHT	GUIDE, GRAND CANYON NATIONAL PARK
0.508	0.508	CULVERT	N/A	
0.516	0.516	INTERSECTION	RIGHT	ROUTE 0900 (SOUTH ENTRANCE GRAND CANYON PARKING)
0.587	0.587	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.598	0.598	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) OPPOSITE LANE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: SOUTH ENTRANCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.602	0.625	CURB	LEFT	
0.603	0.603	SIGN	LEFT	GUIDE, 1
0.603	0.603	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.615	0.615	SIGN	RIGHT	GUIDE, 5
0.625	0.625	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.625	0.625	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.625	0.625	SIGN	LEFT	REGULATORY, STOP
0.626	0.626	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) CUT-THRU
0.626	0.626	SIGN	LEFT	REGULATORY, ONE WAY
0.632	0.632	SIGN	RIGHT	REGULATORY, ONE WAY
0.633	0.710	CURB	LEFT	
0.633	0.633	SIGN	N/A	REGULATORY, LANE
0.633	0.633	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.633	0.633	GATE	N/A	
0.633	0.633	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.635	0.635	SIGN	N/A	GUIDE, 1
0.656	0.656	SIGN	N/A	GUIDE, FEE INFORMATION 1650 AM
0.660	0.660	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.660	0.660	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.670	0.670	DROP INLET	LEFT	
0.671	0.701	CURB	N/A	
0.671	0.703	CURB	N/A	
0.673	0.715	CURB	N/A	
0.673	0.673	SIGN	N/A	GUIDE, GRAND CANYON NATIONAL PARK ENTRANCE FEES
0.676	0.676	GATE	N/A	
0.676	0.676	SIGN	N/A	REGULATORY, CLOSED
0.676	0.676	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.676	0.676	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.676	0.676	SIGN	N/A	REGULATORY, LANE
0.676	0.708	CURB	N/A	
0.677	0.677	SIGN	N/A	GUIDE, GRAND CANYON NATIONAL PARK ENTRANCE FEES
0.679	0.679	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.679	0.679	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.679	0.679	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: SOUTH ENTRANCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.679	0.679	SIGN	N/A	REGULATORY, CLOSED
0.679	0.679	GATE	N/A	
0.679	0.679	SIGN	N/A	REGULATORY, CLOSED
0.680	0.680	SIGN	N/A	GUIDE, 2
0.680	0.680	SIGN	N/A	WARNING, CLEARANCE 13' 8"
0.680	0.680	TRAFFIC LIGHT	N/A	OVERHEAD
0.682	0.682	TRAFFIC LIGHT	N/A	
0.688	0.688	SIGN	N/A	GUIDE, 3
0.688	0.688	TRAFFIC LIGHT	N/A	OVERHEAD
0.688	0.688	SIGN	N/A	WARNING, CLEARANCE
0.695	0.695	TRAFFIC LIGHT	N/A	
0.697	0.697	TRAFFIC LIGHT	N/A	
0.699	0.699	SIGN	N/A	GUIDE, CAMPGROUNDS: MATHER AVAILABLE DESERT VIEW AVAILABLE TRAILER VILLAGE FULL LODGING AVAILABLE VISITOR S
0.701	0.701	SIGN	N/A	GUIDE, UNABLE TO READ FROM VIDEO
0.702	0.702	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.703	0.703	SIGN	LEFT	GUIDE, AUTHORIZED VEHICLES ONLY
0.717	0.717	SIGN	LEFT	REGULATORY, YIELD
0.722	0.722	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.728	0.728	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.728	0.728	SIGN	RIGHT	REGULATORY, YOUR SPEED
0.744	0.744	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) CUT-THRU
0.748	0.748	SIGN	LEFT	REGULATORY, STOP
0.749	0.749	SIGN	LEFT	GUIDE, PARK EXIT
0.750	0.781	CURB	LEFT	
0.778	0.778	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.778	0.778	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.778	0.778	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.778	0.778	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.780	0.780	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.781	0.781	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.783	0.783	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) OPPOSITE LANE
0.816	0.816	SIGN	RIGHT	GUIDE, FIRE DANGER HIGH TODAY!
0.835	0.835	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: SOUTH ENTRANCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.863	0.863	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
0.876	0.876	CULVERT	N/A	
0.905	0.905	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.990	0.990	SIGN	RIGHT	GUIDE, GRAND CANYON PROUDLY RECYCLES
0.996	0.996	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
1.058	1.058	MILE MARKER	RIGHT	
1.059	1.059	MILE MARKER	LEFT	
1.159	1.159	CULVERT	N/A	
1.268	1.268	CULVERT	N/A	
1.328	1.328	SIGN	RIGHT	GUIDE, PARK INFORMATION TUNE RADIO TO 530 AM
1.416	1.416	CULVERT	N/A	
1.508	1.508	SIGN	RIGHT	GUIDE, IT IS ILLEGAL TO FEED OR APPROACH WILDLIFE
1.542	1.542	CULVERT	N/A	
1.698	1.698	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
1.698	1.698	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
1.734	1.734	CULVERT	N/A	
1.786	1.786	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
1.786	1.786	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
1.792	1.792	INTERSECTION	RIGHT	UNPAVED ROUTE
1.876	1.876	CULVERT	N/A	
1.886	1.886	SIGN	RIGHT	WARNING, TRUCK CROSSING
1.973	1.973	CULVERT	N/A	
2.021	2.021	INTERSECTION	LEFT	UNPAVED ROUTE (VAN AVE)
2.050	2.050	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
2.050	2.050	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
2.122	2.122	SIGN	RIGHT	WARNING, TRUCK CROSSING
2.132	2.132	CULVERT	N/A	
2.382	2.382	CULVERT	N/A	
2.758	2.758	CULVERT	N/A	
2.852	2.852	CULVERT	N/A	
3.202	3.202	CULVERT	N/A	
3.225	3.225	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
3.240	3.240	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
3.272	3.272	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: SOUTH ENTRANCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.318	3.318	SIGN	RIGHT	GUIDE, DESERT VIEW CAMERON EAST EXIT 64
3.350	3.350	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) OPPOSITE LANE
3.353	3.458	CURB	LEFT	
3.355	3.355	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
3.368	3.368	SIGN	RIGHT	GUIDE, ALBRIGHT T.C. CLINIC
3.456	3.456	SIGN	N/A	GUIDE, GRAND CANYON
3.456	3.456	SIGN	N/A	GUIDE, SOUTH TUSAYAN WILLIAMS FLAGSTAFF 64
3.465	3.465	INTERSECTION	LEFT	ROUTE 0016 (CENTER ROAD)
3.469	3.469	INTERSECTION	RIGHT	ROUTE 0401 (SERVICE ROAD TO LANDFILL)
3.470	3.514	CURB	LEFT	
3.473	3.473	SIGN	LEFT	GUIDE, CENTER RD
3.474	3.474	SIGN	RIGHT	GUIDE, CENTER RD
3.477	3.477	SIGN	N/A	GUIDE, GRAND CANYON DESERT VIEW
3.477	3.477	SIGN	N/A	GUIDE, CAMPGROUND CLINIC ALBRIGHT T.C.
3.514	3.514	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) OPPOSITE LANE
3.514	3.514	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
3.534	3.534	SIGN	RIGHT	GUIDE, GRAND CANYON VILLAGE
3.570	3.570	CULVERT	N/A	
3.586	3.586	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
3.660	3.660	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
3.666	3.666	CULVERT	N/A	
3.724	3.724	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
3.763	3.763	SIGN	RIGHT	GUIDE, GRAND CANYON VILLAGE NEXT RIGHT
4.067	4.067	MILE MARKER	RIGHT	
4.067	4.067	MILE MARKER	LEFT	
4.298	4.298	CULVERT	N/A	
4.305	4.305	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
4.496	4.496	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
4.512	4.512	SIGN	RIGHT	GUIDE, DESERT VIEW CAMERON EAST EXIT NEXT RIGHT 64
4.692	4.692	SIGN	RIGHT	GUIDE, EAST RIM DESERT VIEW CAMERON 64
4.692	4.692	SIGN	RIGHT	GUIDE, GRAND CANYON
4.697	4.697	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) OPPOSITE LANE
4.697	4.798	CURB	LEFT	
4.700	4.700	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: SOUTH ENTRANCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
4.718	4.718	CULVERT	N/A	
4.745	4.745	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
4.792	4.792	INTERSECTION	RIGHT	ROUTE 0011 (DESERT VIEW DRIVE) SPUR
4.796	4.801	CURB	RIGHT	
4.797	4.797	SIGN	LEFT	REGULATORY, STOP
4.798	4.798	SIGN	RIGHT	REGULATORY, STOP
4.801	4.801	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE) OPPOSITE LANE
4.801	4.801	INTERSECTION	RIGHT	ROUTE 0011 (DESERT VIEW DRIVE)
4.807	4.815	CURB	RIGHT	
4.809	4.809	SIGN	RIGHT	REGULATORY, STOP
4.809	4.926	CURB	LEFT	
4.810	4.810	SIGN	LEFT	REGULATORY, STOP
4.819	4.819	INTERSECTION	RIGHT	ROUTE 0011 (DESERT VIEW DRIVE) SPUR
4.837	4.837	SIGN	RIGHT	REGULATORY, YIELD
4.884	4.884	SIGN	RIGHT	GUIDE, TUSAYAN WILLIAMS FLAGSTAFF EAST RIM DESERT VIEW CAMERON 64 64
4.913	4.913	CULVERT	N/A	
4.924	4.924	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
4.932	4.932	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE) OPPOSITE LANE
4.963	4.963	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
5.041	5.041	INTERSECTION	RIGHT	UNPAVED ROUTE (GATED)
5.050	5.050	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
5.050	5.050	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
5.082	5.082	CULVERT	N/A	
5.120	5.120	SIGN	RIGHT	REGULATORY, THESE IMPROVEMENTS ARE BEING COMPLETED USING YOUR FEE DOLLARS GRAND CANYON VISITOR CENTER IMPROVEMEN
5.148	5.148	SIGN	RIGHT	REGULATORY, MATHER PT COMMERCIAL BUS PARKING ONLY
5.384	5.406	PAVED DITCH	RIGHT	
5.424	5.424	INTERSECTION	RIGHT	PAVED ROUTE (UNDER CONSTRUCTION)
5.477	5.477	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
5.551	5.551	INTERSECTION	RIGHT	PAVED PARKING (UNDER CONSTRUCTION)
5.558	5.558	CULVERT	N/A	
5.618	5.618	SIGN	RIGHT	REGULATORY, STOP
5.618	5.618	TRAFFIC LIGHT	RIGHT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: SOUTH ENTRANCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
5.628	5.628	INTERSECTION	LEFT	ROUTE 0446 (WEST SHUTTLE ACCESS ROAD)
5.628	5.628	INTERSECTION	RIGHT	ROUTE 0446 (WEST SHUTTLE ACCESS ROAD)
5.636	5.636	SIGN	RIGHT	REGULATORY, STOP
5.650	5.664	PAVED DITCH	RIGHT	
5.672	5.672	INTERSECTION	RIGHT	ROUTE 1054 (VISITOR CENTER (CVIP) PARKING)
5.684	5.733	PAVED DITCH	RIGHT	
5.830	5.833	PAVED DITCH	LEFT	
5.835	5.835	INTERSECTION	RIGHT	PAVED ROUTE (OLD ROUTE 0012 / UNDER CONSTRUCTION)
5.901	5.901	SIGN	RIGHT	GUIDE, RIM TRAIL
5.951	5.951	SIGN	RIGHT	REGULATORY, THESE IMPROVEMENTS ARE BEING COMPLETED USING YOUR FEE DOLLARS GRAND CANYON VISITOR CENTER IMPROVEMEN
6.019	6.019	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
6.022	6.022	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
6.151	6.151	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
6.186	6.186	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) OPPOSITE LANE
6.187	6.297	CURB	LEFT	
6.191	6.191	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
6.230	6.230	SIGN	RIGHT	GUIDE, YAVAPAI PT.
6.283	6.298	CURB	RIGHT	
6.294	6.294	SIGN	LEFT	REGULATORY, STOP
6.296	6.296	SIGN	RIGHT	REGULATORY, STOP
6.300	6.300	INTERSECTION	RIGHT	ROUTE 0984 (YAVAPAI POINT PARKING)
6.300	6.300	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) OPPOSITE LANE
6.303	6.315	CURB	RIGHT	
6.304	6.304	SIGN	RIGHT	REGULATORY, STOP
6.304	6.434	CURB	LEFT	
6.306	6.306	SIGN	LEFT	REGULATORY, STOP
6.319	6.319	INTERSECTION	RIGHT	ROUTE 0984 (YAVAPAI POINT PARKING)
6.322	6.329	CURB	RIGHT	
6.345	6.345	SIGN	RIGHT	REGULATORY, YIELD
6.357	6.357	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
6.397	6.397	SIGN	RIGHT	GUIDE, YAVAPAI PT.
6.433	6.433	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
6.438	6.438	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) OPPOSITE LANE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: SOUTH ENTRANCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
6.674	6.674	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
6.683	6.683	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
6.717	6.717	INTERSECTION	RIGHT	UNPAVED ROUTE
6.755	6.755	SIGN	RIGHT	GUIDE, RIM LODGES 64 PARK EXITS YAVAPAI LODGE MARKET PLAZA AHEAD 600 FT.
6.764	6.764	CULVERT	N/A	
6.783	6.803	PULLOUT	LEFT	
6.798	6.798	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
6.835	6.835	SIGN	RIGHT	GUIDE, YAVAPAI LODGE MARKET PLAZA TRAILER VILLAGE
6.836	6.836	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) OPPOSITE LANE
6.837	6.837	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
6.837	6.872	CURB	LEFT	
6.855	6.870	CURB	LEFT	
6.869	6.875	CURB	RIGHT	
6.871	6.871	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
6.872	6.872	DROP INLET	LEFT	
6.873	6.873	SIGN	RIGHT	REGULATORY, 4-WAY
6.873	6.873	SIGN	RIGHT	REGULATORY, STOP
6.882	6.882	INTERSECTION	LEFT	ROUTE 0446 (WEST SHUTTLE ACCESS ROAD)
6.882	6.882	INTERSECTION	RIGHT	ROUTE 0903 (HEADQUARTERS PARKING)
6.887	6.887	SIGN	RIGHT	REGULATORY, 4-WAY
6.887	6.887	SIGN	RIGHT	REGULATORY, STOP
6.887	6.892	CURB	RIGHT	
6.888	6.898	CURB	LEFT	
6.890	6.890	SIGN	RIGHT	GUIDE, RIM LODGES CAMPGROUND PARKING AREA A
6.895	6.895	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
6.895	6.911	CURB	LEFT	
6.912	6.912	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
6.913	6.913	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
6.913	7.031	CURB	LEFT	
6.941	6.941	SIGN	RIGHT	GUIDE, YAVAPAI LODGE MARKET PLAZA
6.952	6.952	CULVERT	N/A	
6.958	6.958	CULVERT	N/A	
6.994	6.994	SIGN	RIGHT	GUIDE, RIM LODGES CAMPGROUNDS PARK EXITS

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: SOUTH ENTRANCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
6.994	6.994	SIGN	RIGHT	REGULATORY, PARKING AREAS C-E
7.016	7.030	CURB	LEFT	
7.028	7.032	CURB	RIGHT	
7.030	7.030	CULVERT	N/A	
7.030	7.030	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
7.030	7.030	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
7.032	7.032	SIGN	RIGHT	REGULATORY, STOP
7.032	7.032	SIGN	RIGHT	REGULATORY, 4-WAY
7.040	7.040	INTERSECTION	LEFT	ROUTE 0170 (ZUNI WAY)
7.040	7.040	INTERSECTION	RIGHT	ROUTE 0903 (HEADQUARTERS PARKING)
7.047	7.056	CURB	LEFT	
7.047	7.100	CURB	LEFT	
7.048	7.048	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
7.048	7.048	SIGN	RIGHT	REGULATORY, 4-WAY
7.048	7.048	SIGN	RIGHT	REGULATORY, STOP
7.048	7.102	CURB	RIGHT	
7.049	7.049	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
7.058	7.058	SIGN	RIGHT	REGULATORY, SHUTTLE BUSES ONLY
7.062	7.062	SIGN	LEFT	REGULATORY, NO PARKING
7.067	7.067	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
7.075	7.075	SIGN	RIGHT	REGULATORY, NO PARKING
7.076	7.076	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
7.077	7.077	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
7.079	7.079	SIGN	RIGHT	REGULATORY, NO PARKING BUS STOP
7.089	7.089	SIGN	RIGHT	GUIDE, YAVAPAI LODGE MARKET PLAZA CAMPGROUNDS PARK EXITS 64
7.098	7.098	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
7.103	7.103	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) OPPOSITE LANE
7.107	7.107	INTERSECTION	RIGHT	ROUTE 0903 (HEADQUARTERS PARKING)
7.114	7.114	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
7.139	7.139	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
7.152	7.152	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
7.236	7.236	CULVERT	N/A	
7.257	7.257	SIGN	RIGHT	GUIDE, IT IS ILLEGAL TO FEED OR APPROACH WILDLIFE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: SOUTH ENTRANCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
7.360	7.360	CULVERT	N/A	
7.481	7.481	CULVERT	N/A	
7.620	7.620	CULVERT	N/A	
7.625	7.625	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
7.638	7.638	SIGN	RIGHT	GUIDE, IT IS ILLEGAL TO FEED OR APPROACH WILDLIFE
7.694	7.694	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
7.694	7.694	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
7.705	7.705	SIGN	LEFT	REGULATORY, NO PARKING
7.723	7.723	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
7.723	7.723	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
7.730	7.730	INTERSECTION	LEFT	ROUTE 0979AZ (GARAGE PARKING A)
7.734	7.751	CURB	LEFT	
7.750	7.750	SIGN	RIGHT	GUIDE, BACKCOUNTRY OFFICE MASWIK LODGE CLINIC
7.750	7.750	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
7.757	7.757	INTERSECTION	LEFT	ROUTE 0979AZ (GARAGE PARKING A)
7.764	7.764	SIGN	RIGHT	REGULATORY, NO PARKING
7.765	7.770	CURB	LEFT	
7.770	7.770	SIGN	LEFT	REGULATORY, DO NOT ENTER
7.770	7.770	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
7.773	7.773	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD) OPPOSITE LANE
7.773	7.795	CURB	LEFT	
7.774	7.774	CULVERT	N/A	
7.774	7.774	SIGN	LEFT	REGULATORY, KEEP RIGHT
7.775	7.785	CURB	LEFT	
7.779	7.779	SIGN	RIGHT	GUIDE, RIM LODGES
7.779	7.779	SIGN	RIGHT	REGULATORY, PARKING AREAS C-E
7.786	7.786	SIGN	RIGHT	REGULATORY, NO PARKING
7.794	7.794	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
7.798	7.800	RETAINING WALL	RIGHT	
7.798	7.798	SIGN	RIGHT	REGULATORY, STOP
7.800	7.800	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE)
7.800	7.800	INTERSECTION	N/A	ROUTE 0500 (VILLAGE LOOP DRIVE)
7.800	7.800	SIGN	LEFT	GUIDE, BRIGHT ANGEL LODGE
7.800	7.800	ROUTE END	N/A	TO ROUTE 0500 (VILLAGE LOOP DRIVE)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: CAPE ROYAL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 9.86 ON LEFT
0.000	0.000	SIGN	N/A	GUIDE, VISITOR SERVICES
0.000	0.000	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))
0.000	0.000	INTERSECTION	LEFT	ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.004	0.004	CULVERT	N/A	
0.009	0.009	SIGN	RIGHT	WARNING, NARROW WINDING ROAD VEHICLES OVER 30 FEET NOT RECOMMENDED
0.075	0.075	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.106	0.106	GATE	N/A	
0.106	0.106	SIGN	N/A	REGULATORY, STOP
0.111	0.200	PAVED DITCH	LEFT	
0.121	0.121	SIGN	RIGHT	WARNING, WINDING ROAD
0.150	0.150	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.221	0.221	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.230	0.230	CULVERT	N/A	
0.353	0.353	CULVERT	N/A	
0.453	0.453	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.482	0.482	CULVERT	N/A	
0.534	0.534	CULVERT	N/A	
0.707	0.707	CULVERT	N/A	
0.890	0.890	CULVERT	N/A	
1.114	1.114	CULVERT	N/A	
1.167	1.167	CULVERT	N/A	
1.300	1.300	CULVERT	N/A	
1.473	1.473	CULVERT	N/A	
1.526	1.526	INTERSECTION	RIGHT	ROUTE 0982 (MAINTAINING MOUNTAIN MEADOWS PARKING)
1.625	1.625	CULVERT	N/A	
1.730	1.730	CULVERT	N/A	
1.801	1.801	CULVERT	N/A	
1.905	1.905	CULVERT	N/A	
1.962	1.962	CULVERT	N/A	
2.041	2.041	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: CAPE ROYAL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.259	2.259	CULVERT	N/A	
2.312	2.312	CULVERT	N/A	
2.505	2.505	CULVERT	N/A	
2.557	2.557	CULVERT	N/A	
2.681	2.681	CULVERT	N/A	
2.780	2.780	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.787	2.787	CULVERT	N/A	
2.853	2.853	CULVERT	N/A	
3.103	3.103	CULVERT	N/A	
3.150	3.150	CULVERT	N/A	
3.274	3.274	CULVERT	N/A	
3.380	3.380	CULVERT	N/A	
3.518	3.518	CULVERT	N/A	
3.649	3.649	CULVERT	N/A	
3.810	3.810	INTERSECTION	RIGHT	ROUTE 0966 (MIXED BLESSINGS PARKING)
3.850	3.850	INTERSECTION	RIGHT	ROUTE 0966 (MIXED BLESSINGS PARKING)
3.935	3.935	SIGN	RIGHT	WARNING, MERGING TRAFFIC
3.991	3.991	CULVERT	N/A	
4.099	4.099	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
4.152	4.152	CULVERT	N/A	
4.458	4.458	CULVERT	N/A	
4.521	4.586	GUARD/GUIDE WALL	RIGHT	
4.639	4.639	CULVERT	N/A	
4.826	4.826	SIGN	RIGHT	WARNING, 25 M.P.H.
4.826	4.826	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
4.855	5.026	GUARD/GUIDE WALL	RIGHT	
4.919	4.919	CULVERT	N/A	
5.033	5.110	GUARD/GUIDE RAIL	RIGHT	
5.059	5.059	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
5.139	5.139	CULVERT	N/A	
5.197	5.229	PULLOUT	RIGHT	
5.199	5.225	CURB	RIGHT	
5.239	5.239	SIGN	RIGHT	WARNING, WINDING ROAD
5.247	5.247	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: CAPE ROYAL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
5.357	5.357	CULVERT	N/A	
5.376	5.376	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
5.434	5.434	INTERSECTION	LEFT	ROUTE 0010 (POINT IMPERIAL ROAD)
5.448	5.448	SIGN	RIGHT	REGULATORY, STOP
5.454	5.454	CULVERT	N/A	
5.459	5.459	SIGN	RIGHT	GUIDE, POINT IMPERIAL 67
5.467	5.467	INTERSECTION	LEFT	ROUTE 0010 (POINT IMPERIAL ROAD) SPUR
5.535	5.535	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
5.586	5.586	SIGN	RIGHT	WARNING, WINDING ROAD
5.606	5.616	CURB	RIGHT	
5.620	5.620	CULVERT	N/A	
5.626	5.673	CURB	RIGHT	
5.663	5.663	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
5.674	5.674	CULVERT	N/A	
5.689	5.728	CURB	RIGHT	
5.713	5.713	CULVERT	N/A	
5.816	5.816	CULVERT	N/A	
5.838	5.838	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
5.864	5.864	CULVERT	N/A	
5.999	5.999	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
6.005	6.005	CULVERT	N/A	
6.070	6.070	CULVERT	N/A	
6.118	6.118	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
6.449	6.449	SIGN	RIGHT	WARNING, 25 M.P.H.
6.449	6.449	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
6.535	6.535	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
6.615	6.615	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
6.633	6.633	CULVERT	N/A	
6.808	6.808	CULVERT	N/A	
7.014	7.014	INTERSECTION	LEFT	UNPAVED ROUTE (SERVICE ROAD)
7.166	7.166	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
7.166	7.166	SIGN	RIGHT	WARNING, 25 M.P.H.
7.323	7.323	CULVERT	N/A	
7.398	7.398	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: CAPE ROYAL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
7.435	7.435	CULVERT	N/A	
7.594	7.594	CULVERT	N/A	
7.632	7.632	SIGN	RIGHT	WARNING, 25 M.P.H.
7.632	7.632	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
7.648	7.648	CULVERT	N/A	
7.666	7.666	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
7.757	7.798	GUARD/GUIDE WALL	LEFT	
7.780	7.780	CULVERT	N/A	
7.858	7.858	CULVERT	N/A	
7.883	7.883	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
7.938	7.938	CULVERT	N/A	
8.009	8.009	CULVERT	N/A	
8.067	8.067	SIGN	RIGHT	GUIDE, GREENLAND LAKE
8.085	8.085	INTERSECTION	RIGHT	ROUTE 0978 (GREENLAND LAKES CABIN PARKING)
8.107	8.107	CULVERT	N/A	
8.185	8.185	SIGN	RIGHT	WARNING, 25 M.P.H.
8.185	8.185	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
8.238	8.238	CULVERT	N/A	
8.442	8.442	CULVERT	N/A	
8.680	8.680	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
8.680	8.680	SIGN	RIGHT	WARNING, 25 M.P.H.
8.717	8.717	CULVERT	N/A	
8.795	8.795	SIGN	RIGHT	WARNING, 25 M.P.H.
8.795	8.795	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
8.825	8.825	CULVERT	N/A	
9.048	9.048	CULVERT	N/A	
9.163	9.163	SIGN	RIGHT	WARNING, 15 M.P.H.
9.163	9.163	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
9.217	9.217	CULVERT	N/A	
9.259	9.259	CULVERT	N/A	
9.300	9.300	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
9.300	9.300	SIGN	RIGHT	WARNING, 15 M.P.H.
9.374	9.374	CULVERT	N/A	
9.476	9.476	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: CAPE ROYAL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
9.578	9.578	CULVERT	N/A	
9.601	9.601	INTERSECTION	RIGHT	UNPAVED PARKING (KOMO POINT TRAIL)
9.820	9.820	CULVERT	N/A	
9.951	9.951	SIGN	RIGHT	GUIDE, PICNIC AREA 1000 FEET
10.055	10.055	SIGN	RIGHT	WARNING, MERGING TRAFFIC
10.128	10.128	INTERSECTION	LEFT	ROUTE 0968 (VISTA ENCANTADA/PICNIC AREA)
10.130	10.130	SIGN	LEFT	GUIDE, VISTA ENCANTADA
10.154	10.154	CULVERT	N/A	
10.172	10.172	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.240	10.240	SIGN	RIGHT	WARNING, MERGING TRAFFIC
10.241	10.241	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.331	10.331	SIGN	RIGHT	GUIDE, PICNIC AREA 1000 FEET
10.354	10.408	PAVED DITCH	LEFT	
10.470	10.470	SIGN	RIGHT	WARNING, 25 M.P.H.
10.470	10.470	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.696	10.696	CULVERT	N/A	
10.750	10.750	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
10.799	10.799	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
11.555	11.555	CULVERT	N/A	
11.702	11.702	SIGN	RIGHT	WARNING, MERGING TRAFFIC
11.724	11.724	CULVERT	N/A	
11.835	11.835	INTERSECTION	LEFT	ROUTE 0969 (ROOSEVELT POINT PARKING)
11.839	11.839	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
11.863	11.863	INTERSECTION	LEFT	ROUTE 0969 (ROOSEVELT POINT PARKING)
11.991	11.991	CULVERT	N/A	
12.809	12.809	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
12.809	12.809	SIGN	RIGHT	WARNING, 25 M.P.H.
13.045	13.045	CULVERT	N/A	
13.199	13.212	PAVED DITCH	LEFT	
13.212	13.212	SIGN	RIGHT	WARNING, 25 M.P.H.
13.212	13.212	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
14.002	14.002	INTERSECTION	RIGHT	ROUTE 0977 (NORTH RIM FIRE PARKING)
14.242	14.242	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
14.261	14.261	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: CAPE ROYAL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
15.366	15.366	CULVERT	N/A	
15.545	15.545	CULVERT	N/A	
15.708	15.708	CULVERT	N/A	
15.752	15.806	PAVED DITCH	LEFT	
15.880	15.880	CULVERT	N/A	
15.957	15.957	CULVERT	N/A	
16.569	16.569	CULVERT	N/A	
16.589	16.589	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
16.740	16.740	CULVERT	N/A	
16.798	16.798	CULVERT	N/A	
16.938	16.938	CULVERT	N/A	
16.985	16.985	CULVERT	N/A	
17.052	17.052	CULVERT	N/A	
17.188	17.188	CULVERT	N/A	
17.300	17.300	CULVERT	N/A	
17.368	17.368	CULVERT	N/A	
17.394	17.394	SIGN	LEFT	GUIDE, CAPE FINAL TRAIL PARKING
17.394	17.394	SIGN	RIGHT	GUIDE, CAPE FINAL TRAIL PARKING
17.402	17.402	INTERSECTION	LEFT	UNPAVED PARKING (CAPE FINAL TRAIL)
17.520	17.520	CULVERT	N/A	
17.670	17.670	CULVERT	N/A	
17.808	17.808	CULVERT	N/A	
17.830	17.830	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
17.830	17.830	SIGN	RIGHT	WARNING, 25 M.P.H.
17.926	17.926	CULVERT	N/A	
18.014	18.014	CULVERT	N/A	
18.211	18.211	SIGN	RIGHT	WARNING, MERGING TRAFFIC
18.301	18.301	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.336	18.336	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.387	18.387	INTERSECTION	LEFT	ROUTE 0970 (WAHALLA PLATEAU OVERLOOK PARKING)
18.391	18.391	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.393	18.393	SIGN	LEFT	GUIDE, WALHALLA OVERLOOK
18.394	18.394	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
18.395	18.395	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: CAPE ROYAL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
18.404	18.404	INTERSECTION	RIGHT	UNPAVED ROUTE (SERVICE ROAD)
18.455	18.455	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.500	18.500	INTERSECTION	LEFT	ROUTE 0970 (WAHALLA PLATEAU OVERLOOK PARKING)
18.587	18.587	SIGN	RIGHT	WARNING, MERGING TRAFFIC
18.732	18.732	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
18.760	18.760	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
18.836	18.836	CULVERT	N/A	
18.921	18.921	CULVERT	N/A	
18.980	18.980	SIGN	RIGHT	WARNING, 25 M.P.H.
18.980	18.980	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
19.018	19.018	CULVERT	N/A	
19.101	19.101	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
19.109	19.109	CULVERT	N/A	
19.208	19.208	SIGN	RIGHT	WARNING, 25 M.P.H.
19.208	19.208	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
19.209	19.209	CULVERT	N/A	
19.260	19.260	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
19.263	19.295	PULLOUT	LEFT	
19.267	19.287	CURB	LEFT	
19.273	19.273	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
19.279	19.279	SIGN	RIGHT	GUIDE, CLIFF SPRING TRAIL
19.294	19.294	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
19.322	19.322	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
19.349	19.349	SIGN	RIGHT	WARNING, 25 M.P.H.
19.349	19.349	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
19.410	19.524	GUARD/GUIDE WALL	RIGHT	
19.458	19.458	CULVERT	N/A	
19.525	19.525	SIGN	RIGHT	WARNING, 15 M.P.H.
19.525	19.525	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
19.603	19.677	GUARD/GUIDE RAIL	LEFT	
19.605	19.605	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
19.605	19.605	SIGN	RIGHT	WARNING, 15 M.P.H.
19.635	19.635	CULVERT	N/A	
19.693	19.738	GUARD/GUIDE RAIL	LEFT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: CAPE ROYAL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
19.813	19.813	SIGN	RIGHT	WARNING, 15 M.P.H.
19.813	19.813	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
19.823	19.823	INTERSECTION	LEFT	ROUTE 0013 (CAPE ROYAL ROAD) OPPOSITE LANE
19.828	19.828	SIGN	LEFT	REGULATORY, KEEP RIGHT
19.830	19.830	INTERSECTION	N/A	ROUTE 1015 (CAPE ROYAL PARKING)
19.830	19.830	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
19.830	19.830	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
19.830	19.830	ROUTE END	N/A	TO ROUTE 1015 (CAPE ROYAL PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014: NORTH ENTRANCE ROAD (HWY 67)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM NORTH PARK BOUNDARY (PAVEMENT CHANGE AT PARK SIGN, THE END OF ROUTE 5000 (STATE ROUTE 67))
0.000	0.000	INTERSECTION	N/A	ROUTE 5000 (STATE ROUTE 67)
0.000	0.000	PARK BOUNDARY	N/A	
0.007	0.007	SIGN	RIGHT	REGULATORY, KAIBAB PLATEAU NORTH RIM PARKWAY
0.015	0.015	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.024	0.024	SIGN	RIGHT	GUIDE, GRAND CANYON SOUTHRIM 203
0.038	0.038	CULVERT	N/A	
0.087	0.087	SIGN	RIGHT	GUIDE, FIREARMS & HUNTING PROHIBITED
0.087	0.087	SIGN	RIGHT	GUIDE, NO SPOTLIGHTING
0.113	0.113	SIGN	RIGHT	WARNING, 25 MPH
0.113	0.113	SIGN	RIGHT	WARNING, DIP
0.149	0.149	GATE	N/A	VERTICAL AND DIAGONAL
0.156	0.156	CATTLE GUARD	N/A	
0.172	0.172	INTERSECTION	RIGHT	UNPAVED ROUTE
0.177	0.177	INTERSECTION	LEFT	ROUTE 0960 (NORTH RIM ENTRANCE PARKING)
0.181	0.181	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.182	0.182	INTERSECTION	LEFT	ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) OPPOSITE LANE
0.182	0.222	CURB	LEFT	
0.185	0.185	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.185	0.185	SIGN	LEFT	REGULATORY, ONE WAY
0.185	0.198	CURB	LEFT	
0.190	0.190	SIGN	RIGHT	GUIDE, NORTH RIM ENTRANCE STATION ELEVATION 8827 FT. ENTRANCE FEES
0.200	0.200	SIGN	RIGHT	REGULATORY, STOP
0.200	0.200	SIGN	RIGHT	GUIDE, NORTH RIM VISITOR SERVICES NO OVERFLOW CAMPING ALLOWED
0.200	0.200	SIGN	RIGHT	GUIDE, FULL
0.202	0.202	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.206	0.218	CURB	LEFT	
0.215	0.215	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.221	0.221	INTERSECTION	LEFT	ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) OPPOSITE LANE
0.226	0.226	INTERSECTION	LEFT	ROUTE 0960 (NORTH RIM ENTRANCE PARKING)
0.249	0.249	SIGN	RIGHT	GUIDE, FIRE DANGER HIGH TODAY !

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014: NORTH ENTRANCE ROAD (HWY 67)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.265	0.265	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.310	0.310	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
0.325	0.325	SIGN	RIGHT	GUIDE, DO NOT DRIVE OFF ROADWAY
0.370	0.370	SIGN	RIGHT	WARNING, CAUTION SPEED BUMP
0.370	0.370	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
0.493	0.493	CULVERT	N/A	
0.571	0.602	PAVED DITCH	RIGHT	
0.634	0.666	PAVED DITCH	RIGHT	
0.668	0.668	INTERSECTION	RIGHT	UNPAVED ROUTE
0.675	0.742	PAVED DITCH	RIGHT	
0.734	0.734	CULVERT	N/A	
0.807	0.911	PAVED DITCH	RIGHT	
0.928	0.947	PAVED DITCH	RIGHT	
0.947	0.998	PULLOUT	RIGHT	
0.948	0.996	CURB	RIGHT	
1.014	1.057	PULLOUT	LEFT	
1.015	1.058	CURB	LEFT	
1.016	1.016	CULVERT	N/A	
1.092	1.092	CULVERT	N/A	
1.108	1.108	SIGN	RIGHT	WARNING, NEXT 11 MI.
1.108	1.108	SIGN	RIGHT	WARNING, WATCH FOR WILDLIFE
1.188	1.188	CULVERT	N/A	
1.215	1.215	MILE MARKER	LEFT	
1.216	1.216	MILE MARKER	RIGHT	
1.289	1.289	SIGN	RIGHT	WARNING, 35 M.P.H.
1.289	1.289	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.321	1.321	CULVERT	N/A	
1.382	1.382	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.405	1.405	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.428	1.428	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.450	1.450	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.516	1.516	CULVERT	N/A	
1.518	1.518	CULVERT	N/A	
1.577	1.577	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014: NORTH ENTRANCE ROAD (HWY 67)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.704	1.704	CULVERT	N/A	
1.706	1.706	CULVERT	N/A	
1.840	1.840	CULVERT	N/A	
1.989	1.989	CULVERT	N/A	
2.181	2.181	CULVERT	N/A	
2.183	2.183	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
2.183	2.183	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
2.270	2.270	CULVERT	N/A	
2.300	2.300	MILE MARKER	LEFT	
2.301	2.301	MILE MARKER	RIGHT	
2.354	2.354	CULVERT	N/A	
2.458	2.458	CULVERT	N/A	
2.596	2.596	CULVERT	N/A	
2.726	2.726	CULVERT	N/A	
2.884	3.001	CURB	RIGHT	
2.898	2.898	CULVERT	N/A	
2.960	2.960	CULVERT	N/A	
2.994	2.994	DROP INLET	RIGHT	
3.022	3.022	CULVERT	N/A	
3.114	3.114	CULVERT	N/A	
3.174	3.174	CULVERT	N/A	
3.181	3.181	MILE MARKER	LEFT	
3.181	3.181	MILE MARKER	RIGHT	
3.189	3.255	CURB	RIGHT	
3.198	3.198	DROP INLET	RIGHT	
3.262	3.262	SIGN	RIGHT	WARNING, 35 M.P.H.
3.262	3.262	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
3.272	3.272	CULVERT	N/A	
3.356	3.432	GUARD/GUIDE RAIL	RIGHT	
3.361	3.430	CURB	RIGHT	
3.392	3.392	CULVERT	N/A	
3.397	3.397	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
3.403	3.403	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
3.413	3.413	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014: NORTH ENTRANCE ROAD (HWY 67)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.423	3.423	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
3.510	3.510	CULVERT	N/A	
3.522	3.522	SIGN	RIGHT	WARNING, 35 M.P.H.
3.522	3.522	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
3.656	3.656	CULVERT	N/A	
4.034	4.036	CURB	LEFT	
4.042	4.042	INTERSECTION	LEFT	ROUTE 0961 (NORTH RIM FOREST PARKING (PICNIC AREA))
4.050	4.086	CURB-AND-GUTTER	LEFT	
4.089	4.089	INTERSECTION	LEFT	ROUTE 0961 (NORTH RIM FOREST PARKING (PICNIC AREA))
4.141	4.141	INTERSECTION	LEFT	ROUTE 0407 (LINDBERG HILL MAINTENANCE AREA)
4.178	4.178	MILE MARKER	LEFT	
4.179	4.179	MILE MARKER	RIGHT	
4.213	4.213	INTERSECTION	RIGHT	ROUTE 0294 (RANGE ROAD (W1A))
4.382	4.382	CULVERT	N/A	
4.478	4.478	CULVERT	N/A	
4.620	4.620	CULVERT	N/A	
4.754	4.754	CULVERT	N/A	
4.898	4.898	CULVERT	N/A	
5.044	5.044	CULVERT	N/A	
5.118	5.118	CULVERT	N/A	
5.131	5.131	MILE MARKER	RIGHT	
5.491	5.491	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
5.491	5.491	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
5.550	5.550	CULVERT	N/A	
5.664	5.664	CULVERT	N/A	
5.784	5.784	CULVERT	N/A	
5.884	5.884	CULVERT	N/A	
5.998	5.998	CULVERT	N/A	
6.056	6.056	CULVERT	N/A	
6.122	6.122	CULVERT	N/A	
6.215	6.215	MILE MARKER	LEFT	
6.215	6.215	MILE MARKER	RIGHT	
6.272	6.272	CULVERT	N/A	
6.378	6.378	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014: NORTH ENTRANCE ROAD (HWY 67)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
6.435	6.435	CULVERT	N/A	
6.492	6.492	CULVERT	N/A	
6.540	6.540	CULVERT	N/A	
6.620	6.620	CULVERT	N/A	
6.746	6.746	CULVERT	N/A	
6.748	6.748	CULVERT	N/A	
6.774	6.806	PULLOUT	LEFT	
6.912	6.912	CULVERT	N/A	
6.914	6.914	CULVERT	N/A	
7.036	7.036	CULVERT	N/A	
7.173	7.173	MILE MARKER	LEFT	
7.175	7.175	MILE MARKER	RIGHT	
7.194	7.194	CULVERT	N/A	
7.342	7.342	CULVERT	N/A	
7.398	7.398	CULVERT	N/A	
7.490	7.490	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
7.490	7.490	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
7.551	7.551	CULVERT	N/A	
7.600	7.687	CURB	RIGHT	
7.610	7.610	DROP INLET	RIGHT	
7.618	7.618	CULVERT	N/A	
7.694	7.694	CULVERT	N/A	
7.836	7.836	CULVERT	N/A	
7.992	7.992	CULVERT	N/A	
8.102	8.102	CULVERT	N/A	
8.196	8.196	CULVERT	N/A	
8.210	8.210	MILE MARKER	LEFT	
8.211	8.211	MILE MARKER	RIGHT	
8.288	8.288	CULVERT	N/A	
8.364	8.364	CULVERT	N/A	
8.440	8.440	CULVERT	N/A	
8.590	8.590	CULVERT	N/A	
8.718	8.718	CULVERT	N/A	
8.800	8.800	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014: NORTH ENTRANCE ROAD (HWY 67)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
8.870	8.870	CULVERT	N/A	
8.976	8.976	CULVERT	N/A	
9.062	9.062	CULVERT	N/A	
9.148	9.148	CULVERT	N/A	
9.251	9.251	MILE MARKER	LEFT	
9.252	9.252	MILE MARKER	RIGHT	
9.254	9.254	CULVERT	N/A	
9.372	9.372	CULVERT	N/A	
9.494	9.494	CULVERT	N/A	
9.572	9.572	CULVERT	N/A	
9.668	9.668	CULVERT	N/A	
9.721	9.721	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
9.726	9.726	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
9.754	9.754	SIGN	RIGHT	GUIDE, VISITOR SERVICES PT. IMPERIAL CAPE ROYAL
9.862	9.862	INTERSECTION	LEFT	ROUTE 0013 (CAPE ROYAL ROAD)
9.896	9.896	CULVERT	N/A	
9.986	9.986	SIGN	RIGHT	GUIDE, PARK EXIT PT. IMPERIAL CAPE ROYAL
10.040	10.040	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.084	10.084	SIGN	RIGHT	GUIDE, WIDFORSS PT.
10.127	10.127	INTERSECTION	RIGHT	ROUTE 0200 (WIDFORSS TRAILHEAD ROAD)
10.136	10.136	CULVERT	N/A	
10.204	10.204	CULVERT	N/A	
10.217	10.217	SIGN	RIGHT	GUIDE, WIDFORSS TRAILHEAD
10.259	10.259	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.342	10.342	MILE MARKER	LEFT	
10.343	10.343	MILE MARKER	RIGHT	
10.345	10.437	GUARD/GUIDE RAIL	RIGHT	
10.432	10.432	SIGN	RIGHT	WARNING, 25 M.P.H.
10.432	10.432	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.499	10.499	CULVERT	N/A	
10.666	10.666	CULVERT	N/A	
10.697	10.697	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.720	10.917	CURB	RIGHT	
10.725	10.725	SIGN	RIGHT	WARNING, 25 M.P.H.

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014: NORTH ENTRANCE ROAD (HWY 67)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
10.725	10.725	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.728	10.728	CULVERT	N/A	
10.734	10.734	SIGN	RIGHT	GUIDE, KAIBAB TRAIL
10.743	10.743	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.746	10.746	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
10.746	10.746	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
10.757	10.760	CURB	LEFT	
10.769	10.769	INTERSECTION	LEFT	ROUTE 0963 (KAIBAB TRAILHEAD PARKING)
10.775	10.775	SIGN	RIGHT	REGULATORY, NO PARKING THIS SIDE OF STREET
10.794	10.794	SIGN	RIGHT	REGULATORY, NO PARKING THIS SIDE OF STREET
10.802	10.802	SIGN	RIGHT	GUIDE, KAIBAB TRAIL
10.827	10.827	SIGN	RIGHT	REGULATORY, NO PARKING
10.827	10.827	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
10.880	10.939	GUARD/GUIDE RAIL	RIGHT	
10.912	10.912	CULVERT	N/A	
10.963	11.106	GUARD/GUIDE RAIL	RIGHT	
11.032	11.032	CULVERT	N/A	
11.114	11.114	CULVERT	N/A	
11.151	11.151	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
11.243	11.243	CULVERT	N/A	
11.313	11.313	MILE MARKER	LEFT	
11.314	11.314	MILE MARKER	RIGHT	
11.361	11.361	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
11.363	11.363	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
11.442	11.442	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
11.496	11.496	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
11.496	11.496	SIGN	RIGHT	WARNING, MULE XING
11.509	11.509	SIGN	RIGHT	GUIDE, VISITOR SERVICES BACKCOUNTRY PERMIT OFFICE NORTH RIM ADMINISTRATION
11.511	11.511	SIGN	RIGHT	WARNING, MULE XING
11.529	11.529	SIGN	RIGHT	WARNING, WATCH FOR WILDLIFE
11.529	11.529	SIGN	RIGHT	WARNING, NEXT 11 MI.
11.543	11.543	SIGN	RIGHT	GUIDE, BRIDLE PATH
11.566	11.566	INTERSECTION	LEFT	ROUTE 1052 (EMS PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014: NORTH ENTRANCE ROAD (HWY 67)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
11.566	11.566	INTERSECTION	RIGHT	ROUTE 0405 (ADMIN LOOP)
11.605	11.605	SIGN	LEFT	GUIDE, GRAND CANYON NORTH RIM EMERGENCY SERVICES
11.606	11.606	SIGN	RIGHT	GUIDE, GRAND CANYON NORTH RIM EMERGENCY SERVICES
11.618	11.618	SIGN	RIGHT	GUIDE, BACKCOUNTRY PERMIT OFFICE NORTH RIM ADMINISTRATION
11.641	11.641	INTERSECTION	LEFT	ROUTE 1052 (EMS PARKING)
11.690	11.690	SIGN	RIGHT	GUIDE, CAMPGROUND
11.739	11.739	INTERSECTION	RIGHT	ROUTE 0201 (NORTH RIM CAMPGROUND ROAD)
11.756	11.756	SIGN	RIGHT	GUIDE, GRAND CANYON LODGE
11.784	11.784	SIGN	RIGHT	GUIDE, CAMPGROUND
11.898	11.898	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
11.916	11.916	INTERSECTION	LEFT	ROUTE 0964 (PICNIC AREA PARKING)
11.982	11.982	INTERSECTION	LEFT	ROUTE 0964 (PICNIC AREA PARKING)
12.002	12.002	INTERSECTION	RIGHT	ROUTE 0404 (AUTO SHOP ROAD)
12.212	12.212	CULVERT	N/A	
12.313	12.313	MILE MARKER	RIGHT	
12.314	12.314	MILE MARKER	LEFT	
12.316	12.452	CURB	RIGHT	
12.382	12.382	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
12.514	12.514	INTERSECTION	RIGHT	UNPAVED ROUTE (SERVICE ROAD)
12.525	12.525	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
12.564	12.564	CULVERT	N/A	
12.600	12.600	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
12.601	12.601	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
12.643	12.643	SIGN	RIGHT	GUIDE, BRIDLE PATH
12.643	12.643	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
12.643	12.643	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
12.643	12.643	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
12.644	12.644	SIGN	RIGHT	REGULATORY, NO PARKING
12.651	12.651	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
12.670	12.670	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
12.695	12.695	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
12.697	12.697	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
12.701	12.701	INTERSECTION	LEFT	ROUTE 0965Z (NORTH RIM VISITOR CENTER PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014: NORTH ENTRANCE ROAD (HWY 67)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
12.709	12.709	CULVERT	N/A	
12.754	12.754	INTERSECTION	RIGHT	UNPAVED ROUTE (SERVICE ROAD)
12.758	12.758	SIGN	RIGHT	GUIDE, BUS PARKING ONLY VISITOR PARKING
12.763	12.763	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
12.770	12.770	SIGN	RIGHT	REGULATORY, NO PARKING THIS SIDE OF STREET
12.782	12.782	INTERSECTION	LEFT	ROUTE 0965Z (NORTH RIM VISITOR CENTER PARKING)
12.795	12.795	SIGN	LEFT	REGULATORY, NO PARKING
12.798	12.798	FIRE HYDRANT	RIGHT	
12.812	12.812	FIRE HYDRANT	RIGHT	
12.817	12.817	SIGN	LEFT	REGULATORY, NO PARKING
12.823	12.823	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
12.824	12.824	SIGN	LEFT	REGULATORY, NO PARKING
12.828	12.828	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
12.834	12.834	INTERSECTION	LEFT	ROUTE 0965Z (NORTH RIM VISITOR CENTER PARKING)
12.840	12.840	SIGN	LEFT	GUIDE, LODGE PARKING
12.840	12.840	INTERSECTION	N/A	ROUTE 0974Z (GRAND CANYON LODGE PARKING)
12.840	12.840	ROUTE END	N/A	TO ROUTE 0974Z (GRAND CANYON LODGE PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: HERMIT REST ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.52 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.002	0.002	GATE	N/A	
0.002	0.009	CURB	LEFT	
0.002	0.009	CURB	N/A	
0.002	0.032	CURB	RIGHT	
0.009	0.009	GATE	N/A	
0.011	0.011	SIGN	RIGHT	REGULATORY, STOP
0.012	0.012	INTERSECTION	LEFT	ROUTE 0015 (HERMIT REST ROAD) OPPOSITE LANE
0.013	0.013	SIGN	N/A	REGULATORY, ONE WAY
0.014	0.014	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.017	0.038	GUARD/GUIDE WALL	RIGHT	
0.018	0.040	CURB	LEFT	
0.029	0.029	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.038	0.089	CURB	RIGHT	
0.040	0.040	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.048	0.048	INTERSECTION	LEFT	ROUTE 0015 (HERMIT REST ROAD) OPPOSITE LANE
0.049	0.060	CURB	LEFT	
0.051	0.051	SIGN	RIGHT	WARNING, SHARE THE ROAD
0.051	0.051	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.060	0.060	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.074	0.074	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.092	0.092	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.127	0.127	SIGN	LEFT	GUIDE, ROWE WELL RD
0.127	0.127	SIGN	RIGHT	GUIDE, ROWE WELL RD
0.130	0.130	INTERSECTION	LEFT	ROUTE 0160 (ROWE WELL ROAD)
0.162	0.168	PAVED DITCH	RIGHT	
0.163	0.163	SIGN	RIGHT	GUIDE, IT IS ILLEGAL TO FEED OR APPROACH WILDLIFE
0.164	0.164	CULVERT	N/A	
0.176	0.219	PAVED DITCH	RIGHT	
0.270	0.270	CULVERT	N/A	
0.272	0.284	PAVED DITCH	RIGHT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: HERMIT REST ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.284	0.353	PAVED DITCH	RIGHT	
0.366	0.366	CULVERT	N/A	
0.367	0.370	PAVED DITCH	RIGHT	
0.370	0.462	PAVED DITCH	RIGHT	
0.520	0.520	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.544	0.544	SIGN	RIGHT	WARNING, 6%
0.618	0.622	PAVED DITCH	RIGHT	
0.618	0.618	CULVERT	N/A	
0.711	0.711	CULVERT	N/A	
0.711	0.715	PAVED DITCH	RIGHT	
0.765	0.765	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.113	1.113	INTERSECTION	RIGHT	ROUTE 0911 (TRAILVIEW PARKING)
1.431	1.437	GUARD/GUIDE WALL	RIGHT	
1.440	1.440	INTERSECTION	RIGHT	ROUTE 0912 (GRAND CANYON VISTA PARKING)
1.483	1.483	INTERSECTION	RIGHT	ROUTE 0912 (GRAND CANYON VISTA PARKING)
1.486	1.493	GUARD/GUIDE WALL	RIGHT	
1.762	1.762	SIGN	LEFT	GUIDE, MARICOPA POINT
1.762	1.762	SIGN	RIGHT	GUIDE, MARICOPA POINT
1.781	1.781	INTERSECTION	RIGHT	ROUTE 0913 (MARICOPA POINT PARKING)
1.944	1.944	CULVERT	N/A	
2.074	2.074	INTERSECTION	RIGHT	UNPAVED ROUTE (GATED)
2.217	2.217	INTERSECTION	RIGHT	ROUTE 0169 (POWELL MEMORIAL ROAD)
2.219	2.219	INTERSECTION	LEFT	UNPAVED ROUTE
2.219	2.219	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
2.224	2.224	SIGN	RIGHT	GUIDE, POWELL MEMORIAL
2.284	2.284	INTERSECTION	RIGHT	ROUTE 0169 (POWELL MEMORIAL ROAD)
2.289	2.289	SIGN	LEFT	REGULATORY, DO NOT ENTER
2.364	2.364	SIGN	LEFT	GUIDE, HOPI POINT
2.365	2.365	INTERSECTION	RIGHT	ROUTE 0915 (HOPI POINT PARKING)
2.371	2.371	SIGN	RIGHT	GUIDE, HOPI POINT
2.382	2.382	INTERSECTION	RIGHT	ROUTE 0915 (HOPI POINT PARKING)
2.388	2.388	SIGN	LEFT	REGULATORY, DO NOT ENTER
2.405	2.412	GUARD/GUIDE WALL	RIGHT	
2.414	2.414	INTERSECTION	RIGHT	ROUTE 0916 (HOPI POINT II PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: HERMIT REST ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.440	2.440	INTERSECTION	RIGHT	ROUTE 0916 (HOPI POINT II PARKING)
2.444	2.444	SIGN	RIGHT	REGULATORY, DO NOT ENTER
2.446	2.453	GUARD/GUIDE WALL	RIGHT	
2.526	2.526	CULVERT	N/A	
2.566	2.571	GUARD/GUIDE WALL	RIGHT	
2.585	2.585	INTERSECTION	RIGHT	ROUTE 1036 (2ND EAST OF MOHAVE POINT PARKING)
2.597	2.604	GUARD/GUIDE WALL	RIGHT	
2.839	2.843	GUARD/GUIDE WALL	RIGHT	
2.857	2.857	INTERSECTION	RIGHT	ROUTE 1033 (1ST EAST OF MOHAVE PARKING)
2.873	2.880	GUARD/GUIDE WALL	RIGHT	
3.069	3.069	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
3.095	3.095	SIGN	LEFT	GUIDE, MOHAVE PT
3.099	3.099	INTERSECTION	RIGHT	ROUTE 0168 (MOHAVE POINT ROAD)
3.211	3.211	SIGN	LEFT	REGULATORY, DO NOT ENTER
3.216	3.216	INTERSECTION	RIGHT	ROUTE 0168 (MOHAVE POINT ROAD)
3.221	3.221	SIGN	LEFT	REGULATORY, DO NOT ENTER
3.257	3.262	PAVED DITCH	LEFT	
3.260	3.260	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
3.260	3.260	CULVERT	N/A	
3.312	3.312	INTERSECTION	RIGHT	ROUTE 1041 (3RD EAST OF THE ABYSS PARKING)
3.522	3.522	CULVERT	N/A	
3.626	3.626	CULVERT	N/A	
3.634	3.639	GUARD/GUIDE WALL	RIGHT	
3.658	3.658	INTERSECTION	RIGHT	ROUTE 1038 (2ND EAST OF THE ABYSS PARKING)
3.670	3.676	GUARD/GUIDE WALL	RIGHT	
3.832	3.832	CULVERT	N/A	
3.880	3.880	CULVERT	N/A	
3.896	3.901	GUARD/GUIDE WALL	RIGHT	
3.918	3.918	INTERSECTION	RIGHT	ROUTE 1035 (1ST EAST OF THE ABYSS PARKING)
3.926	3.931	GUARD/GUIDE WALL	RIGHT	
4.059	4.059	CULVERT	N/A	
4.115	4.115	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
4.116	4.122	GUARD/GUIDE WALL	RIGHT	
4.137	4.137	INTERSECTION	RIGHT	ROUTE 0918 (ABYSS PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: HERMIT REST ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
4.144	4.144	INTERSECTION	LEFT	ROUTE 0164 (WEST RIM DRIVE CONNECTOR TO ROUTE 161)
4.149	4.149	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
4.160	4.165	GUARD/GUIDE WALL	RIGHT	
4.372	4.372	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
4.515	4.519	GUARD/GUIDE WALL	RIGHT	
4.532	4.532	INTERSECTION	RIGHT	ROUTE 1040 (4TH PAST PIMA POINT PARKING)
4.545	4.551	GUARD/GUIDE WALL	RIGHT	
4.777	4.783	GUARD/GUIDE WALL	RIGHT	
4.798	4.798	INTERSECTION	RIGHT	ROUTE 1039 (3RD EAST OF PIMA POINT PARKING)
4.823	4.829	GUARD/GUIDE WALL	RIGHT	
4.829	4.831	PAVED DITCH	RIGHT	
4.878	4.878	INTERSECTION	LEFT	UNPAVED ROUTE (GATED)
5.023	5.029	GUARD/GUIDE WALL	RIGHT	
5.050	5.050	INTERSECTION	RIGHT	ROUTE 1037 (2ND EAST OF PIMA POINT PARKING)
5.067	5.075	GUARD/GUIDE WALL	RIGHT	
5.070	5.070	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
5.099	5.099	SIGN	LEFT	WARNING, GREENWAY ENDS
5.406	5.406	CULVERT	N/A	
5.750	5.750	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
6.190	6.190	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
6.190	6.190	SIGN	RIGHT	WARNING, SHARE THE ROAD
6.199	6.199	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
6.205	6.210	GUARD/GUIDE WALL	RIGHT	
6.228	6.228	INTERSECTION	RIGHT	ROUTE 1034 (1ST EAST OF PIMA POINT PARKING)
6.244	6.249	GUARD/GUIDE WALL	RIGHT	
6.262	6.262	INTERSECTION	RIGHT	ROUTE 0167 (PIMA POINT ROAD) SPUR
6.293	6.293	INTERSECTION	RIGHT	ROUTE 0167 (PIMA POINT ROAD)
6.476	6.476	CULVERT	N/A	
6.680	6.680	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
6.680	6.680	SIGN	RIGHT	WARNING, SHARE THE ROAD
6.721	6.721	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
6.938	6.938	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
7.016	7.016	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
7.016	7.016	SIGN	RIGHT	WARNING, SHARE THE ROAD

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015: HERMIT REST ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
7.029	7.040	GUARD/GUIDE WALL	LEFT	
7.029	7.040	GUARD/GUIDE WALL	RIGHT	
7.040	7.040	INTERSECTION	N/A	ROUTE 0920 (HERMIT'S REST PARKING)
7.040	7.040	ROUTE END	N/A	TO ROUTE 0920 (HERMIT'S REST PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0016: CENTER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD) AT MP 3.47 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0401 (SERVICE ROAD TO LANDFILL)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.000	0.000	SIGN	N/A	GUIDE, UNABLE TO READ FROM VIDEO
0.000	0.000	SIGN	N/A	GUIDE, UNABLE TO READ FROM VIDEO
0.006	0.006	SIGN	RIGHT	REGULATORY, STOP
0.006	0.006	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.030	0.030	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.044	0.044	SIGN	RIGHT	GUIDE, EAST EXIT VIEWPOINTS 64 SOUTH EXIT TUSAYAN 64
0.057	0.057	SIGN	RIGHT	WARNING, CAUTION BIKES AND PEDESTRIANS SHARING THE ROAD
0.089	0.089	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.089	0.089	SIGN	RIGHT	WARNING, SHUTTLE BUSES CROSSING
0.116	0.116	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.136	0.136	SIGN	RIGHT	GUIDE, OPERATIONS COMPLEX LOST AND FOUND
0.172	0.172	INTERSECTION	LEFT	ROUTE 0428 (SHUTTLE BUS ROAD)
0.179	0.179	SIGN	LEFT	GUIDE, SHUTTLE BUS RD
0.180	0.180	SIGN	RIGHT	GUIDE, CENTER RD
0.180	0.180	SIGN	RIGHT	GUIDE, SHUTTLE BUS RD
0.200	0.200	CULVERT	N/A	
0.219	0.219	SIGN	RIGHT	GUIDE, OPERATIONS COMPLEX LOST AND FOUND
0.229	0.229	SIGN	RIGHT	GUIDE, GRAND CANYON VISITOR SERVICES NEXT RIGHT 1000 FEET
0.268	0.268	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.268	0.268	SIGN	RIGHT	WARNING, SHUTTLE BUSES CROSSING
0.271	0.271	INTERSECTION	LEFT	UNPAVED ROUTE
0.390	0.390	SIGN	RIGHT	GUIDE, GRAND CANYON VISITOR SERVICES
0.434	0.434	INTERSECTION	RIGHT	ROUTE 0017 (MARKET PLAZA ROAD)
0.441	0.441	SIGN	LEFT	GUIDE, MARKET PLAZA RD
0.441	0.441	SIGN	RIGHT	GUIDE, CENTER RD
0.441	0.441	SIGN	RIGHT	GUIDE, MARKET PLAZA RD
0.485	0.485	SIGN	RIGHT	GUIDE, RV PARKING CLINIC
0.489	0.489	SIGN	RIGHT	GUIDE, PARK EXITS YAVAPAI LODGE CAMPGROUNDS MARKET PLAZA

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0016: CENTER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.528	0.528	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.539	0.539	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.577	0.577	SIGN	RIGHT	GUIDE, CLINIC
0.621	0.621	INTERSECTION	LEFT	UNPAVED ROUTE
0.621	0.621	INTERSECTION	RIGHT	ROUTE 0288 (CLINIC ACCESS ROAD)
0.624	0.624	SIGN	RIGHT	GUIDE, CLINIC RD
0.624	0.624	SIGN	RIGHT	GUIDE, CENTER RD
0.624	0.624	SIGN	LEFT	GUIDE, CLINIC RD
0.671	0.671	SIGN	RIGHT	GUIDE, CLINIC
0.849	0.849	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.849	0.849	SIGN	RIGHT	WARNING, YIELD FOR EMERGENCY VEHICLES WHEN FLASHING
0.885	0.885	SIGN	RIGHT	REGULATORY, AUTHORIZED VEHICLES ONLY
0.889	0.889	INTERSECTION	RIGHT	ROUTE 0288 (CLINIC ACCESS ROAD)
0.895	0.895	SIGN	RIGHT	REGULATORY, AUTHORIZED VEHICLES ONLY
0.922	0.922	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.922	0.922	SIGN	RIGHT	WARNING, YIELD FOR EMERGENCY VEHICLES WHEN FLASHING
0.954	0.954	CULVERT	N/A	
1.023	1.023	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.024	1.024	SIGN	RIGHT	WARNING, CAUTION BIKES AND PEDESTRIANS SHARING THE ROAD
1.054	1.054	SIGN	RIGHT	GUIDE, LAPP LOOP
1.054	1.054	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
1.062	1.062	INTERSECTION	LEFT	ROUTE 0430 (LAPP LOOP)
1.071	1.071	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
1.088	1.088	INTERSECTION	RIGHT	ROUTE 0437 (PARK CIRCLE)
1.092	1.092	SIGN	RIGHT	GUIDE, PARK
1.093	1.093	SIGN	LEFT	GUIDE, PARK RD.
1.094	1.094	INTERSECTION	LEFT	ROUTE 0430 (LAPP LOOP)
1.104	1.104	SIGN	RIGHT	GUIDE, PARK EXITS
1.105	1.105	SIGN	RIGHT	GUIDE, ALBRIGHT TRAINING CENTER
1.124	1.124	TRAFFIC LIGHT	RIGHT	X2
1.124	1.124	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.124	1.124	SIGN	RIGHT	GUIDE, SCHOOL SPEED LIMIT 15 WHEN FLASHING

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0016: CENTER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.145	1.145	SIGN	LEFT	GUIDE, ALBRIGHT AVE
1.146	1.146	INTERSECTION	LEFT	ROUTE 0601 (ALBRIGHT AVENUE)
1.146	1.146	SIGN	RIGHT	GUIDE, ALBRIGHT AVE
1.150	1.150	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.160	1.160	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.185	1.185	SIGN	RIGHT	GUIDE, SCHOOL SPEED LIMIT 15 WHEN FLASHING
1.185	1.185	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.203	1.203	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.250	1.250	CULVERT	N/A	
1.404	1.404	CULVERT	N/A	
1.412	1.412	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.429	1.429	INTERSECTION	LEFT	ROUTE 0935 (SCHOOL BUS PARKING)
1.435	1.444	CURB	LEFT	
1.436	1.436	SIGN	RIGHT	GUIDE, SCHOOL SPEED LIMIT 15 WHEN FLASHING
1.436	1.436	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.436	1.436	TRAFFIC LIGHT	RIGHT	X2
1.448	1.448	INTERSECTION	LEFT	ROUTE 0935 (SCHOOL BUS PARKING)
1.463	1.466	CURB	LEFT	
1.463	1.463	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.465	1.465	SIGN	RIGHT	GUIDE, BOULDER
1.465	1.465	SIGN	LEFT	GUIDE, BOULDER
1.467	1.467	SIGN	LEFT	REGULATORY, DO NOT ENTER
1.470	1.470	INTERSECTION	LEFT	ROUTE 0409 (BOULDER STREET)
1.474	1.474	SIGN	LEFT	REGULATORY, DO NOT ENTER
1.475	1.478	CURB	LEFT	
1.477	1.477	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.499	1.499	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
1.502	1.502	SIGN	RIGHT	GUIDE, SCHOOL SPEED LIMIT 15 WHEN FLASHING
1.502	1.502	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.520	1.520	SIGN	RIGHT	WARNING, MULE XING
1.521	1.527	CURB	RIGHT	
1.526	1.529	CURB	LEFT	
1.529	1.529	SIGN	LEFT	GUIDE, APACHE
1.529	1.529	SIGN	RIGHT	GUIDE, APACHE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0016: CENTER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.533	1.533	INTERSECTION	LEFT	ROUTE 0413 (APACHE STREET)
1.533	1.533	INTERSECTION	RIGHT	ROUTE 0403 (TONTO STREET)
1.537	1.540	CURB	RIGHT	
1.538	1.538	SIGN	LEFT	GUIDE, TONTO
1.538	1.538	SIGN	RIGHT	GUIDE, TONTO
1.540	1.550	CURB	LEFT	
1.548	1.548	SIGN	RIGHT	WARNING, MULE XING
1.562	1.562	INTERSECTION	RIGHT	ROUTE 1044BZ (MAGISTRATE PARKING B)
1.562	1.562	INTERSECTION	LEFT	ROUTE 1044AZ (MAGISTRATE PARKING A)
1.579	1.610	CURB	RIGHT	
1.580	1.589	CURB	LEFT	
1.592	1.592	SIGN	RIGHT	REGULATORY, ONE WAY
1.593	1.593	INTERSECTION	LEFT	ROUTE 0924 (RANGER OPERATIONS PARKING)
1.596	1.596	SIGN	RIGHT	GUIDE, RANGER OPERATIONS
1.599	1.599	SIGN	LEFT	REGULATORY, ONE WAY
1.599	1.604	CURB	LEFT	
1.602	1.602	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
1.603	1.603	INTERSECTION	LEFT	ROUTE 0924 (RANGER OPERATIONS PARKING)
1.609	1.609	SIGN	RIGHT	REGULATORY, STOP
1.610	1.610	INTERSECTION	RIGHT	ROUTE 0500 (VILLAGE LOOP DRIVE)
1.610	1.610	SIGN	N/A	GUIDE, RIM LODGES BACKCOUNTRY INFO. MASWIK LODGE
1.610	1.610	SIGN	N/A	REGULATORY, UNABLE TO READ FROM VIDEO
1.610	1.610	SIGN	RIGHT	GUIDE, VILLAGE LOOP RD
1.610	1.610	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE)
1.610	1.610	ROUTE END	N/A	TO ROUTE 0500 (VILLAGE LOOP DRIVE)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0017: MARKET PLAZA ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0016 (CENTER ROAD) AT MP 0.43
0.000	0.000	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
0.000	0.000	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
0.000	0.000	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
0.000	0.000	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
0.000	0.000	SIGN	N/A	GUIDE, PARK EXITS VILLAGE
0.000	0.000	INTERSECTION	LEFT	ROUTE 0016 (CENTER ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0016 (CENTER ROAD)
0.000	0.000	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
0.005	0.005	SIGN	RIGHT	GUIDE, CENTER RD
0.007	0.007	SIGN	RIGHT	REGULATORY, CROSS TRAFFIC DOES NOT STOP
0.007	0.007	SIGN	RIGHT	REGULATORY, STOP
0.025	0.025	CULVERT	N/A	
0.060	0.060	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.064	0.064	SIGN	RIGHT	WARNING, STOP AHEAD
0.146	0.146	CULVERT	N/A	
0.369	0.369	CULVERT	N/A	
0.376	0.376	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.385	0.385	INTERSECTION	RIGHT	UNPAVED ROUTE (SERVICE ROAD)
0.438	0.438	CULVERT	N/A	
0.546	0.546	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
0.620	0.620	CULVERT	N/A	
0.639	0.639	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.640	0.640	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.691	0.691	INTERSECTION	RIGHT	UNPAVED ROUTE
0.710	0.710	SIGN	RIGHT	GUIDE, MATHER CAMPGROUND NO HOOKUPS CAMPER SERVICES NEXT RIGHT
0.726	0.726	CULVERT	N/A	
0.747	0.747	SIGN	RIGHT	GUIDE, YAVAPAI LODGE CAMPGROUNDS
0.785	0.785	SIGN	RIGHT	GUIDE, RIM LODGES
0.820	0.820	SIGN	LEFT	GUIDE, MARKET PLAZA
0.820	0.820	SIGN	LEFT	GUIDE, ZUNI WAY
0.821	0.821	SIGN	RIGHT	GUIDE, ZUNI WAY
0.826	0.826	INTERSECTION	LEFT	ROUTE 0170 (ZUNI WAY)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0017: MARKET PLAZA ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.842	0.842	CULVERT	N/A	
0.857	0.857	SIGN	RIGHT	GUIDE, PARK EXITS RIM LODGES 64
0.863	0.863	SIGN	RIGHT	REGULATORY, 30FT. MAXIMUM LENGTH LIMIT
0.863	0.863	SIGN	RIGHT	GUIDE, TRAILER VILLAGE HOOKUPS MATHER CAMPGROUND CAMPER SERVICES DUMP STATION
0.864	0.864	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.878	0.878	CULVERT	N/A	
0.879	0.883	CURB	LEFT	
0.891	0.891	INTERSECTION	RIGHT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.898	0.898	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.902	0.902	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.903	0.938	PULLOUT	RIGHT	
0.921	0.921	SIGN	RIGHT	REGULATORY, 30FT. MAXIMUM LENGTH LIMIT
0.921	0.921	SIGN	RIGHT	GUIDE, MATHER CAMPGROUND CAMPER SERVICES DUMP STATION
0.927	0.927	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.927	0.927	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.970	0.970	CULVERT	N/A	
0.974	0.974	SIGN	RIGHT	GUIDE, MARKET PLAZA TRAILER VILLAGE HOOKUPS
0.979	0.979	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.998	0.998	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
1.006	1.040	CURB	RIGHT	
1.027	1.027	SIGN	RIGHT	GUIDE, TRAILER VILLAGE HOOK UPS AVAILABLE
1.030	1.030	CULVERT	N/A	
1.037	1.040	CURB	LEFT	
1.040	1.040	INTERSECTION	N/A	ROUTE 0940 (BUSINESS CENTER PARKING)
1.040	1.040	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.040	1.040	ROUTE END	N/A	TO ROUTE 0940 (BUSINESS CENTER PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0160: ROWE WELL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 0.13 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0015 (HERMIT REST ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0015 (HERMIT REST ROAD)
0.007	0.007	SIGN	RIGHT	REGULATORY, STOP
0.032	0.032	CULVERT	N/A	
0.085	0.085	SIGN	RIGHT	GUIDE, PERMIT REQUIRED FOR ALL OVERNIGHT BACKCOUNTRY USE OBTAIN AT BACKCOUNTRY OFFICE
0.098	0.098	CULVERT	N/A	
0.185	0.185	GATE	N/A	
0.226	0.226	INTERSECTION	LEFT	ROUTE 0287 (ROUTE 0160 ACCESS ROAD)
0.229	0.229	SIGN	RIGHT	WARNING, MULE XING
0.232	0.232	CULVERT	N/A	
0.388	0.388	CULVERT	N/A	
0.467	0.467	CULVERT	N/A	
0.473	0.473	SIGN	RIGHT	REGULATORY, RVS & TRAILERS NO TURN AROUND SPACE AT KENNEL
0.473	0.473	SIGN	RIGHT	GUIDE, KENNELS
0.490	0.490	INTERSECTION	LEFT	ROUTE 0427 (KENNELS ROAD)
0.506	0.506	SIGN	RIGHT	WARNING, PAVEMENT ENDS
0.550	0.550	SIGN	RIGHT	WARNING, NARROW ROAD
0.564	0.564	CULVERT	N/A	
0.570	0.570	FIRE HYDRANT	LEFT	
0.570	0.570	INTERSECTION	N/A	ROUTE 0160 (ROWE WELL ROAD) UNPAVED SECTION
0.570	0.570	INTERSECTION	RIGHT	ROUTE 0465 (RIM GRAVEL PIT ROAD)
0.570	0.570	ROUTE END	N/A	TO PARK BOUNDARY

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0167: PIMA POINT ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 6.26 ON RIGHT
0.000	0.000	INTERSECTION	N/A	ROUTE 0015 (HERMIT REST ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0015 (HERMIT REST ROAD)
0.033	0.033	SIGN	RIGHT	REGULATORY, STOP
0.044	0.044	INTERSECTION	LEFT	ROUTE 0015 (HERMIT REST ROAD) SPUR
0.053	0.053	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.053	0.053	SIGN	RIGHT	WARNING, SHARE THE ROAD
0.118	0.118	INTERSECTION	LEFT	ROUTE 0167 (PIMA POINT ROAD)
0.118	0.470	ONE-WAY	N/A	
0.127	0.127	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.240	0.240	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.260	0.266	GUARD/GUIDE WALL	RIGHT	
0.281	0.281	INTERSECTION	RIGHT	ROUTE 0919 (PIMA POINT PARKING)
0.300	0.306	GUARD/GUIDE WALL	RIGHT	
0.344	0.344	CULVERT	N/A	
0.345	0.345	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.470	0.470	INTERSECTION	LEFT	ROUTE 0167 (PIMA POINT ROAD)
0.470	0.470	INTERSECTION	N/A	ROUTE 0167 (PIMA POINT ROAD)
0.470	0.470	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0168: MOHAVE POINT ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 3.09
0.000	0.220	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	LEFT	ROUTE 0015 (HERMIT REST ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0015 (HERMIT REST ROAD)
0.013	0.013	SIGN	LEFT	GUIDE, MOHAVE POINT
0.094	0.094	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.127	0.127	INTERSECTION	RIGHT	ROUTE 0917 (MOHAVE POINT PARKING)
0.196	0.196	CULVERT	N/A	
0.211	0.211	SIGN	RIGHT	REGULATORY, STOP
0.220	0.220	INTERSECTION	LEFT	ROUTE 0015 (HERMIT REST ROAD)
0.220	0.220	INTERSECTION	RIGHT	ROUTE 0015 (HERMIT REST ROAD)
0.220	0.220	ROUTE END	N/A	TO ROUTE 0015 (HERMIT REST ROAD) AT MP 3.22

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0169: POWELL MEMORIAL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0015 (HERMIT REST ROAD) AT MP 2.22
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0015 (HERMIT REST ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0015 (HERMIT REST ROAD)
0.000	0.190	ONE-WAY	N/A	
0.004	0.004	SIGN	RIGHT	REGULATORY, ONE WAY
0.055	0.055	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.068	0.128	GUARD/GUIDE WALL	LEFT	
0.069	0.074	GUARD/GUIDE WALL	RIGHT	
0.086	0.086	DROP INLET	LEFT	
0.095	0.095	INTERSECTION	RIGHT	ROUTE 0914 (POWELL MEMORIAL PARKING)
0.121	0.127	GUARD/GUIDE WALL	RIGHT	
0.190	0.190	SIGN	RIGHT	REGULATORY, STOP
0.190	0.190	INTERSECTION	RIGHT	ROUTE 0015 (HERMIT REST ROAD)
0.190	0.190	INTERSECTION	LEFT	ROUTE 0015 (HERMIT REST ROAD)
0.190	0.190	ROUTE END	N/A	TO ROUTE 0015 (HERMIT REST ROAD) AT MP 2.29

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0170: ZUNI WAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0903 (HEADQUARTERS PARKING)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.002	0.002	SIGN	RIGHT	REGULATORY, 4-WAY
0.002	0.002	SIGN	RIGHT	REGULATORY, STOP
0.002	0.019	CURB	RIGHT	
0.007	0.007	SIGN	RIGHT	GUIDE, CAMPGROUNDS PARK EXITS 64 RIM LODGES MARKET PLAZA
0.007	0.007	SIGN	RIGHT	REGULATORY, PARKING AREA C-E
0.009	0.015	CURB	LEFT	
0.013	0.013	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.015	0.015	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.030	0.030	SIGN	RIGHT	GUIDE, RIM LODGES
0.050	0.050	CULVERT	N/A	
0.052	0.052	CULVERT	N/A	
0.083	0.083	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.084	0.084	SIGN	RIGHT	GUIDE, RESIDENTIAL AREA
0.089	0.089	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.094	0.094	CULVERT	N/A	
0.147	0.147	SIGN	RIGHT	REGULATORY, STOP
0.150	0.150	INTERSECTION	LEFT	ROUTE 0017 (MARKET PLAZA ROAD)
0.150	0.150	INTERSECTION	RIGHT	ROUTE 0017 (MARKET PLAZA ROAD)
0.150	0.150	SIGN	N/A	GUIDE, MATHER CAMPGROUND TRAILER VILLAGE PARK EXIT
0.150	0.150	ROUTE END	N/A	TO ROUTE 0017 (MARKET PLAZA ROAD)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0171: DESERT VIEW GAS STATION ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0172 (DESERT VIEW ACCESS ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0172 (DESERT VIEW ACCESS ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0172 (DESERT VIEW ACCESS ROAD)
0.000	0.000	SIGN	N/A	GUIDE, DESERT VIEW VIEW THE CANYON GRAND CANYON VILLAGE
0.002	0.002	SIGN	RIGHT	REGULATORY, STOP
0.075	0.075	INTERSECTION	RIGHT	ROUTE 0461AZ (CEDAR MOUNTAIN ROAD)
0.078	0.078	SIGN	RIGHT	GUIDE, CEDAR MOUNTAIN RD
0.084	0.084	SIGN	RIGHT	GUIDE, GAS STATION CAMPGROUND
0.132	0.132	CULVERT	N/A	
0.164	0.164	INTERSECTION	RIGHT	ROUTE 0958 (DESERT VIEW GAS STATION)
0.175	0.175	SIGN	RIGHT	GUIDE, CHEVRON PRODUCTS ALL MAJOR CREDIT CARDS HONORED HOURS: 9A.M.-5P.M.
0.195	0.195	INTERSECTION	RIGHT	ROUTE 0958 (DESERT VIEW GAS STATION)
0.203	0.203	SIGN	RIGHT	GUIDE, CAMPGROUND
0.203	0.203	SIGN	RIGHT	REGULATORY, 30 FT. MAX. LENGTH LIMIT
0.209	0.209	INTERSECTION	RIGHT	ROUTE 0270 (DESERT VIEW CAMPGROUND)
0.216	0.216	SIGN	RIGHT	GUIDE, BUSES ONLY
0.216	0.216	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.220	0.242	LANE DEVIATION	N/A	
0.250	0.250	INTERSECTION	LEFT	ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)
0.250	0.350	ONE-WAY	N/A	
0.255	0.255	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.266	0.266	INTERSECTION	LEFT	ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD) CUT-THRU
0.273	0.273	SIGN	RIGHT	REGULATORY, NO PARKING
0.325	0.325	SIGN	RIGHT	REGULATORY, NO PARKING
0.331	0.331	INTERSECTION	LEFT	ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD) CUT-THRU
0.332	0.332	SIGN	RIGHT	REGULATORY, NO PARKING
0.350	0.350	INTERSECTION	LEFT	ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)
0.350	0.350	INTERSECTION	N/A	ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)
0.350	0.350	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0172: DESERT VIEW ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (DESERT VIEW DRIVE)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE)
0.000	0.000	INTERSECTION	N/A	ROUTE 0498 (SERVICE ROAD TO DESERT VIEW WATER TANK)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (DESERT VIEW DRIVE)
0.000	0.000	SIGN	N/A	GUIDE, UNABLE TO READ FROM VIDEO
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.025	0.025	SIGN	RIGHT	GUIDE, DESERT VIEW GAS STATION CAMPGROUND
0.029	0.029	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.049	0.049	INTERSECTION	RIGHT	ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)
0.066	0.066	SIGN	RIGHT	GUIDE, GAS STATION CAMPGROUND
0.081	0.112	CURB	LEFT	
0.082	0.082	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.090	0.090	SIGN	RIGHT	GUIDE, RV'S & TOWED UNITS BUS PARKING PASSENGER VEHICLES
0.120	0.120	INTERSECTION	RIGHT	ROUTE 1026 (DESERT VIEW VISITOR PARKING)
0.124	0.133	CURB	LEFT	
0.136	0.136	SIGN	RIGHT	GUIDE, RV'S & TOWED UNITS BUS PARKING
0.161	0.161	INTERSECTION	LEFT	ROUTE 1025BZ (DESERT VIEW BUS PARKING B)
0.165	0.186	CURB	LEFT	
0.186	0.186	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.210	0.210	INTERSECTION	N/A	ROUTE 1026 (DESERT VIEW VISITOR PARKING)
0.210	0.210	ROUTE END	N/A	TO ROUTE 1026 (DESERT VIEW VISITOR PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0201: NORTH RIM CAMPGROUND ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 11.74 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))
0.000	0.000	SIGN	N/A	GUIDE, PARK EXIT INFORMATION LODGING
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.021	0.021	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.021	0.021	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.022	0.027	CURB	LEFT	
0.039	0.039	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.051	0.051	INTERSECTION	RIGHT	ROUTE 0971 (GAS STATION PARKING)
0.058	0.069	CURB	RIGHT	
0.059	0.059	FIRE HYDRANT	LEFT	
0.075	0.075	INTERSECTION	RIGHT	ROUTE 0971 (GAS STATION PARKING)
0.106	0.106	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.133	0.133	SIGN	RIGHT	GUIDE, CAMPGROUND REGISTRATION & CHECK-IN NEXT LEFT
0.158	0.158	INTERSECTION	RIGHT	ROUTE 0972 (NORTH RIM CAMPGROUND SHOWERS & LAUNDRYMAT PARKING)
0.161	0.161	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.177	0.177	SIGN	RIGHT	GUIDE, ALL CAMPERS CHECK - IN REQUIRED
0.183	0.183	INTERSECTION	LEFT	ROUTE 0997 (CAMPGROUND REGISTRATION/ CAMPFIRE PROGRAM PARKING)
0.189	0.189	SIGN	LEFT	GUIDE, CAMPGROUND REGISTRATION PARKING
0.189	0.189	SIGN	LEFT	GUIDE, CAMPFIRE PROGRAM PARKING
0.254	0.254	SIGN	RIGHT	REGULATORY, STOP
0.260	0.260	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.260	0.260	INTERSECTION	N/A	ROUTE 0973 (NORTH RIM CAMPGROUND GENERAL STORE PARKING)
0.260	0.260	INTERSECTION	RIGHT	ROUTE 0489 (INN CABIN LOOP)
0.260	0.260	ROUTE END	N/A	TO INTERSECTION OF ROUTES 0273ZZ (NORTH RIM CAMPGROUND ROADS) AND 0489 (INN CABIN LOOP)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0204: NPS ACADEMY LOOP ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0601 (ALBRIGHT AVENUE) AT MP 0.53
0.000	0.000	INTERSECTION	LEFT	ROUTE 0601 (ALBRIGHT AVENUE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0601 (ALBRIGHT AVENUE)
0.001	0.001	SIGN	RIGHT	REGULATORY, STOP
0.012	0.012	SIGN	LEFT	REGULATORY, NO PARKING THIS SIDE OF STREET
0.033	0.033	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
0.035	0.035	INTERSECTION	RIGHT	ROUTE 0988 (ALBRIGHT TRAINING GARAGE PARKING)
0.040	0.069	CURB	RIGHT	
0.041	0.041	FIRE HYDRANT	RIGHT	
0.054	0.054	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
0.057	0.057	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.070	0.070	SIGN	RIGHT	REGULATORY, NO PARKING
0.073	0.073	INTERSECTION	RIGHT	ROUTE 0929 (DORMITORY PARKING)
0.080	0.080	SIGN	RIGHT	REGULATORY, STOP
0.080	0.080	INTERSECTION	LEFT	ROUTE 0601 (ALBRIGHT AVENUE)
0.080	0.080	INTERSECTION	RIGHT	ROUTE 0601 (ALBRIGHT AVENUE)
0.080	0.080	ROUTE END	N/A	TO ROUTE 0601 (ALBRIGHT AVENUE) AT MP 0.59

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0262: YAKI POINT ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 1.14 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (DESERT VIEW DRIVE)
0.000	0.000	SIGN	N/A	GUIDE, SOUTH RIM VISITOR SERVICES EAST RIM DRIVE DESERT VIEW
0.000	0.000	SIGN	N/A	REGULATORY, NO PARKING
0.003	0.003	SIGN	RIGHT	GUIDE, ACCESS BY SHUTTLE BUS ONLY
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.016	0.039	LANE DEVIATION	N/A	
0.017	0.017	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.017	0.017	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.029	0.029	GATE	N/A	HORIZONTAL AND DIAGONAL BARS
0.029	0.029	SIGN	N/A	GUIDE, RESIDENTS AND AUTHORIZED VEHICLES ONLY ALL OTHERS USE FREE PARK SHUTTLE. ACCESS SHUTTLE AT YAVAPAI L
0.029	0.029	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.029	0.029	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.048	0.048	GATE	N/A	HORIZONTAL AND DIAGONAL BARS
0.136	0.136	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.280	0.280	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.284	0.284	SIGN	RIGHT	GUIDE, YAKI PT. .75 MILES KAIBAB TRAIL .25 MILES
0.318	0.318	INTERSECTION	LEFT	ROUTE 0263 (KAIBAB TRAIL ACCESS ROAD)
0.406	0.406	CULVERT	N/A	
0.474	0.474	SIGN	LEFT	REGULATORY, NO PARKING BETWEEN SIGNS
0.478	0.478	INTERSECTION	LEFT	UNPAVED ROUTE
0.489	0.489	SIGN	LEFT	REGULATORY, NO PARKING BETWEEN SIGNS
0.550	0.550	CULVERT	N/A	
0.626	0.626	CULVERT	N/A	
0.835	0.835	CULVERT	N/A	
0.904	0.904	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.970	0.970	CULVERT	N/A	
0.979	1.100	ONE-WAY	N/A	
0.979	0.979	INTERSECTION	LEFT	ROUTE 0262 (YAKI POINT ROAD)
0.982	0.982	SIGN	LEFT	REGULATORY, KEEP RIGHT
1.004	1.068	CURB	LEFT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0262: YAKI POINT ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.006	1.009	CURB	RIGHT	
1.042	1.042	INTERSECTION	RIGHT	ROUTE 0948 (YAKI POINT PARKING)
1.052	1.052	DROP INLET	LEFT	
1.078	1.078	CULVERT	N/A	
1.100	1.100	INTERSECTION	N/A	ROUTE 0262 (YAKI POINT ROAD)
1.100	1.100	INTERSECTION	LEFT	ROUTE 0262 (YAKI POINT ROAD)
1.100	1.100	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0263: KAIBAB TRAIL ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0262 (YAKI POINT ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0262 (YAKI POINT ROAD)
0.000	0.000	SIGN	N/A	GUIDE, YAKI POINT VILLAGE
0.000	0.000	INTERSECTION	LEFT	ROUTE 0262 (YAKI POINT ROAD)
0.006	0.006	SIGN	RIGHT	REGULATORY, STOP
0.022	0.022	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.022	0.022	SIGN	RIGHT	REGULATORY, NO PARKING THIS SIDE OF STREET
0.047	0.047	SIGN	LEFT	REGULATORY, NO PARKING BETWEEN SIGNS
0.060	0.060	CULVERT	N/A	
0.107	0.107	SIGN	LEFT	REGULATORY, NO PARKING
0.138	0.138	SIGN	RIGHT	REGULATORY, NO PARKING THIS SIDE OF STREET
0.138	0.138	CULVERT	N/A	
0.143	0.143	SIGN	LEFT	REGULATORY, NO PARKING TOW AWAY ZONE
0.144	0.144	INTERSECTION	RIGHT	UNPAVED ROUTE (SERVICE ROAD)
0.174	0.174	SIGN	LEFT	REGULATORY, NO PARKING TOW AWAY ZONE
0.181	0.181	CULVERT	N/A	
0.194	0.194	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.197	0.197	SIGN	RIGHT	REGULATORY, NO PARKING THIS SIDE OF STREET
0.200	0.200	SIGN	LEFT	GUIDE, KAIBAB TRAIL
0.200	0.200	INTERSECTION	N/A	ROUTE 0949 (KAIBAB TRAIL SERVICE ROAD PARKING)
0.200	0.200	ROUTE END	N/A	TO ROUTE 0949 (KAIBAB TRAIL SERVICE ROAD PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0264: GRANDVIEW POINT ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 8.81
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (DESERT VIEW DRIVE)
0.000	0.000	SIGN	N/A	WARNING, GRAPHIC SIGN, NO TEXT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE)
0.003	0.003	SIGN	RIGHT	REGULATORY, STOP
0.012	0.012	CULVERT	N/A	
0.072	0.072	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.439	0.439	CULVERT	N/A	
0.532	0.532	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.565	0.572	CURB	LEFT	
0.565	0.635	CURB	RIGHT	
0.571	0.571	INTERSECTION	LEFT	ROUTE 0264 (GRANDVIEW POINT ROAD)
0.571	0.770	ONE-WAY	N/A	
0.583	0.633	CURB	LEFT	
0.584	0.584	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.585	0.585	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.595	0.595	SIGN	RIGHT	WARNING, 15 M.P.H.
0.595	0.595	SIGN	RIGHT	WARNING, SLOW
0.625	0.625	SIGN	RIGHT	WARNING, TO AID SNOW REMOVAL OVERNIGHT HIKERS MUST PARK IN UPPER LOT
0.633	0.633	DROP INLET	RIGHT	
0.660	0.660	INTERSECTION	RIGHT	ROUTE 0980AZ (GRANDVIEW POINT ROAD PARKING A)
0.673	0.730	CURB	LEFT	
0.673	0.673	SIGN	LEFT	REGULATORY, NO PARKING
0.679	0.679	SIGN	LEFT	REGULATORY, NO PARKING
0.682	0.683	GUARD/GUIDE WALL	RIGHT	
0.683	0.683	SIGN	RIGHT	GUIDE, OVERNIGHT HIKER PARKING
0.683	0.726	CURB	RIGHT	
0.686	0.686	DROP INLET	RIGHT	
0.687	0.687	SIGN	LEFT	REGULATORY, NO PARKING
0.687	0.687	SIGN	RIGHT	REGULATORY, NO PARKING
0.701	0.701	SIGN	RIGHT	REGULATORY, NO PARKING
0.711	0.711	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.718	0.718	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0264: GRANDVIEW POINT ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.732	0.732	INTERSECTION	RIGHT	ROUTE 0980BZ (GRANDVIEW POINT ROAD PARKING B)
0.741	0.741	INTERSECTION	LEFT	ROUTE 0980CZ (GRANDVIEW POINT ROAD PARKING C)
0.751	0.759	CURB	RIGHT	
0.754	0.770	CURB	LEFT	
0.760	0.760	INTERSECTION	RIGHT	ROUTE 0980BZ (GRANDVIEW POINT ROAD PARKING B)
0.762	0.767	CURB	RIGHT	
0.770	0.770	INTERSECTION	RIGHT	ROUTE 0264 (GRANDVIEW POINT ROAD)
0.770	0.770	INTERSECTION	LEFT	ROUTE 0264 (GRANDVIEW POINT ROAD)
0.770	0.770	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0265: MORAN POINT ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 14.77
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (DESERT VIEW DRIVE)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.107	0.110	CURB	LEFT	
0.110	0.110	INTERSECTION	LEFT	ROUTE 0265 (MORAN POINT ROAD)
0.110	0.250	ONE-WAY	N/A	
0.112	0.112	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.117	0.117	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.117	0.117	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.157	0.168	CURB	RIGHT	
0.158	0.174	CURB	LEFT	
0.194	0.194	INTERSECTION	LEFT	ROUTE 0991BZ (MORAN POINT PARKING B)
0.194	0.194	INTERSECTION	RIGHT	ROUTE 0991AZ (MORAN POINT PARKING A)
0.220	0.250	CURB	RIGHT	
0.221	0.249	CURB	LEFT	
0.250	0.250	INTERSECTION	LEFT	ROUTE 0265 (MORAN POINT ROAD)
0.250	0.250	INTERSECTION	N/A	ROUTE 0265 (MORAN POINT ROAD)
0.250	0.250	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0266: TUSAYAN RUIN ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 18.58
0.000	0.000	SIGN	N/A	GUIDE, GRAND CANYON VILLAGE DESERT VIEW
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (DESERT VIEW DRIVE)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.054	0.054	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.057	0.057	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.100	0.100	INTERSECTION	LEFT	ROUTE 0266 (TUSAYAN RUIN ROAD)
0.100	0.270	ONE-WAY	N/A	
0.109	0.109	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.109	0.109	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.168	0.168	INTERSECTION	RIGHT	UNPAVED ROUTE (SERVICE ROAD)
0.173	0.177	CURB	RIGHT	
0.175	0.179	CURB	LEFT	
0.203	0.203	INTERSECTION	LEFT	ROUTE 0990BZ (TUSAYAN MUSEUM AND RUIN PARKING B)
0.203	0.203	INTERSECTION	RIGHT	ROUTE 0990AZ (TUSAYAN MUSEUM AND RUIN PARKING A)
0.218	0.223	CURB	LEFT	
0.225	0.225	SIGN	RIGHT	REGULATORY, EMPLOYEE PARKING ONLY
0.228	0.228	INTERSECTION	RIGHT	UNPAVED PARKING (EMPLOYEE PARKING ONLY)
0.270	0.270	INTERSECTION	LEFT	ROUTE 0266 (TUSAYAN RUIN ROAD)
0.270	0.270	INTERSECTION	N/A	ROUTE 0266 (TUSAYAN RUIN ROAD)
0.270	0.270	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0267: LIPAN POINT ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (DESERT VIEW DRIVE) AT MP 19.89 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (DESERT VIEW DRIVE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (DESERT VIEW DRIVE)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.040	0.040	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.250	0.436	CURB	LEFT	
0.360	0.360	DROP INLET	LEFT	
0.409	0.409	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.440	0.440	INTERSECTION	N/A	ROUTE 0981 (LIPAN POINT PARKING)
0.440	0.440	ROUTE END	N/A	TO ROUTE 0981 (LIPAN POINT PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0270: DESERT VIEW CAMPGROUND

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.028	0.028	INTERSECTION	RIGHT	ROUTE 0958 (DESERT VIEW GAS STATION)
0.035	0.035	SIGN	LEFT	WARNING, UNABLE TO READ FROM VIDEO
0.051	0.051	INTERSECTION	LEFT	UNPAVED ROUTE (SERVICE ROAD)
0.054	0.054	GATE	N/A	
0.054	0.054	SIGN	LEFT	GUIDE, SERVICE ROAD OFFICIAL USE ONLY
0.054	0.054	SIGN	N/A	REGULATORY, NO THRU TRAFFIC
0.055	0.055	SIGN	LEFT	GUIDE, NO WOOD GATHERING
0.101	0.101	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.193	0.232	PULLOUT	RIGHT	
0.216	0.216	SIGN	RIGHT	GUIDE, DESERT VINE CAMPGROUND
0.216	0.216	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.216	0.216	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.242	0.242	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.256	0.256	INTERSECTION	LEFT	ROUTE 0270 (DESERT VIEW CAMPGROUND)
0.256	0.640	ONE-WAY	N/A	
0.261	0.261	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.262	0.262	SIGN	LEFT	REGULATORY, ONE WAY
0.262	0.262	SIGN	LEFT	GUIDE, NO WOOD GATHERING
0.324	0.324	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.327	0.327	SIGN	RIGHT	GUIDE, CAMPGROUND HOST
0.533	0.533	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.640	0.640	INTERSECTION	LEFT	ROUTE 0270 (DESERT VIEW CAMPGROUND)
0.640	0.640	INTERSECTION	RIGHT	ROUTE 0270 (DESERT VIEW CAMPGROUND)
0.640	0.640	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0271: MATHER CAMPGROUND ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0017 (MARKET PLAZA ROAD)
0.000	0.000	SIGN	N/A	GUIDE, MARKET PLAZA PARK EXITS 64
0.000	0.000	INTERSECTION	LEFT	ROUTE 0017 (MARKET PLAZA ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0017 (MARKET PLAZA ROAD)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.005	0.013	CURB	RIGHT	
0.008	0.008	SIGN	RIGHT	GUIDE, MATHER CAMPGROUND CAMPER SERVICES DUMP STATION
0.010	0.010	CULVERT	N/A	
0.012	0.012	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.017	0.017	INTERSECTION	RIGHT	ROUTE 0941 (MATHER CAMPGROUND SERVICES PARKING)
0.017	0.017	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.037	0.037	SIGN	RIGHT	GUIDE, MATHER CAMPGROUND REGISTRATION PARK AND PAY
0.041	0.041	SIGN	RIGHT	REGULATORY, FIRE LANE
0.044	0.044	INTERSECTION	RIGHT	ROUTE 1049 (MATHER CAMPGROUND CHECK IN PARKING)
0.058	0.058	SIGN	RIGHT	GUIDE, MATHER CAMPGROUND
0.074	0.074	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.078	0.078	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.080	0.080	INTERSECTION	RIGHT	ROUTE 1049 (MATHER CAMPGROUND CHECK IN PARKING)
0.090	0.090	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.098	0.098	SIGN	RIGHT	GUIDE, NO WOOD GATHERING QUIET HOURS 10:00PM TO 6:00AM
0.114	0.114	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.118	0.118	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.120	0.120	SIGN	RIGHT	GUIDE, SAGE LOOP CAMPFIRE CIRCLE WORSHIP SITE INTERDENOMINATIONAL SERVICE OF WORSHIP MAY 30- AUGUST 30 SUNDA
0.135	0.135	SIGN	RIGHT	GUIDE, ASPEN LOOP SITES 1-59
0.142	0.142	INTERSECTION	RIGHT	ROUTE 0272AZ (MATHER CAMPGROUND ASPEN LOOP)
0.160	0.160	CULVERT	N/A	
0.177	0.177	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.183	0.183	INTERSECTION	LEFT	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.188	0.188	DROP INLET	LEFT	
0.189	0.189	SIGN	LEFT	GUIDE, SAGE LOOP
0.192	0.192	SIGN	RIGHT	REGULATORY, DO NOT ENTER

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0271: MATHER CAMPGROUND ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.194	0.194	INTERSECTION	RIGHT	ROUTE 0272AZ (MATHER CAMPGROUND ASPEN LOOP)
0.220	0.220	SIGN	RIGHT	GUIDE, FIR LOOP 60-106
0.224	0.224	INTERSECTION	RIGHT	ROUTE 0272FZ (MATHER CAMPGROUND FIR LOOP)
0.251	0.251	INTERSECTION	LEFT	ROUTE 0272GZ (MATHER CAMPGROUND PINE LOOP)
0.258	0.258	SIGN	LEFT	GUIDE, PINE LOOP 265-319
0.269	0.269	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.273	0.273	INTERSECTION	LEFT	ROUTE 0272GZ (MATHER CAMPGROUND PINE LOOP)
0.276	0.276	INTERSECTION	RIGHT	ROUTE 0272FZ (MATHER CAMPGROUND FIR LOOP)
0.280	0.280	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.283	0.283	GATE	N/A	
0.289	0.289	FIRE HYDRANT	RIGHT	
0.299	0.299	SIGN	RIGHT	GUIDE, JUNIPER LOOP 107-184
0.304	0.304	INTERSECTION	RIGHT	ROUTE 0272HZ (MATHER CAMPGROUND JUNIPER LOOP 1)
0.343	0.343	INTERSECTION	RIGHT	ROUTE 0272HZ (MATHER CAMPGROUND JUNIPER LOOP 1)
0.343	0.343	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.343	0.343	INTERSECTION	LEFT	ROUTE 0272JZ (MATHER CAMPGROUND OAK LOOP 1)
0.347	0.347	SIGN	LEFT	GUIDE, OAK LOOP 201-264
0.362	0.362	SIGN	RIGHT	GUIDE, MAPLE LOOP 185-200
0.370	0.370	INTERSECTION	LEFT	ROUTE 0272LZ (MATHER CAMPGROUND MAPLE LOOP)
0.370	0.370	INTERSECTION	N/A	ROUTE 0272LZ (MATHER CAMPGROUND MAPLE LOOP)
0.370	0.370	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.370	0.370	ROUTE END	N/A	TO ROUTE 0272ZZ (MATHER CAMPGROUND ROADS)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272AAZ: MATHER CAMPGROUND ASPEN LOOP CUT THRU

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0272AZ (MATHER CAMPGROUND ASPEN LOOP) AT MP 0.13
0.000	0.040	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	N/A	ROUTE 0272AZ (MATHER CAMPGROUND ASPEN LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0272AZ (MATHER CAMPGROUND ASPEN LOOP)
0.039	0.039	SIGN	RIGHT	REGULATORY, ONE WAY
0.040	0.040	INTERSECTION	LEFT	ROUTE 0272AZ (MATHER CAMPGROUND ASPEN LOOP)
0.040	0.040	INTERSECTION	RIGHT	ROUTE 0272AZ (MATHER CAMPGROUND ASPEN LOOP)
0.040	0.040	ROUTE END	N/A	TO ROUTE 0272AZ (MATHER CAMPGROUND ASPEN LOOP) AT MP 0.41

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272AZ: MATHER CAMPGROUND ASPEN LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.14
0.000	0.000	INTERSECTION	LEFT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.590	ONE-WAY	N/A	
0.007	0.007	GATE	N/A	
0.018	0.018	CULVERT	N/A	
0.116	0.116	CULVERT	N/A	
0.127	0.127	INTERSECTION	LEFT	ROUTE 0272AAZ (MATHER CAMPGROUND ASPEN LOOP CUT THRU)
0.183	0.183	FIRE HYDRANT	LEFT	
0.256	0.256	CULVERT	N/A	
0.411	0.411	INTERSECTION	LEFT	ROUTE 0272AAZ (MATHER CAMPGROUND ASPEN LOOP CUT THRU)
0.541	0.541	FIRE HYDRANT	RIGHT	
0.565	0.565	CULVERT	N/A	
0.589	0.589	GATE	N/A	
0.590	0.590	SIGN	RIGHT	REGULATORY, STOP
0.590	0.590	INTERSECTION	LEFT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.590	0.590	INTERSECTION	RIGHT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.590	0.590	ROUTE END	N/A	TO ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.19

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272BZ: MATHER CAMPGROUND SAGE LOOP 1

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.003	0.003	SIGN	RIGHT	REGULATORY, STOP
0.005	0.005	GATE	N/A	
0.009	0.009	INTERSECTION	RIGHT	ROUTE 0272CZ (MATHER CAMPGROUND SAGE LOOP 2)
0.013	0.013	INTERSECTION	LEFT	ROUTE 0272EZ (MATHER CAMPGROUND SAGE LOOP 4)
0.044	0.044	INTERSECTION	RIGHT	ROUTE 0272DZ (MATHER CAMPGROUND SAGE LOOP 3)
0.053	0.053	INTERSECTION	RIGHT	ROUTE 0272CZ (MATHER CAMPGROUND SAGE LOOP 2)
0.071	0.071	INTERSECTION	LEFT	ROUTE 0272EZ (MATHER CAMPGROUND SAGE LOOP 4)
0.089	0.089	INTERSECTION	RIGHT	ROUTE 0272DZ (MATHER CAMPGROUND SAGE LOOP 3)
0.100	0.100	INTERSECTION	LEFT	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.100	0.190	ONE-WAY	N/A	
0.190	0.190	INTERSECTION	LEFT	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.190	0.190	INTERSECTION	N/A	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.190	0.190	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272CZ: MATHER CAMPGROUND SAGE LOOP 2

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1) AT MP 0.01
0.000	0.063	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	LEFT	ROUTE 0272EZ (MATHER CAMPGROUND SAGE LOOP 4)
0.000	0.000	INTERSECTION	N/A	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.015	0.015	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.054	0.054	INTERSECTION	LEFT	ROUTE 0272DZ (MATHER CAMPGROUND SAGE LOOP 3)
0.054	0.054	INTERSECTION	RIGHT	ROUTE 0272DZ (MATHER CAMPGROUND SAGE LOOP 3)
0.063	0.063	INTERSECTION	LEFT	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.063	0.063	INTERSECTION	RIGHT	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.070	0.070	ROUTE END	N/A	TO ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1) AT MP 0.05

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272DZ: MATHER CAMPGROUND SAGE LOOP 3

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1) AT MP 0.04
0.000	0.000	INTERSECTION	LEFT	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.000	0.000	INTERSECTION	N/A	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.000	0.050	ONE-WAY	N/A	
0.014	0.014	INTERSECTION	LEFT	ROUTE 0272CZ (MATHER CAMPGROUND SAGE LOOP 2)
0.014	0.014	INTERSECTION	RIGHT	ROUTE 0272CZ (MATHER CAMPGROUND SAGE LOOP 2)
0.029	0.029	FIRE HYDRANT	LEFT	
0.050	0.050	INTERSECTION	LEFT	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.050	0.050	INTERSECTION	RIGHT	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.050	0.050	ROUTE END	N/A	TO ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1) AT MP 0.09

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272EZ: MATHER CAMPGROUND SAGE LOOP 4

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1) AT MP 0.07
0.000	0.000	INTERSECTION	LEFT	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.000	0.000	INTERSECTION	N/A	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.000	0.080	ONE-WAY	N/A	
0.048	0.048	SIGN	LEFT	GUIDE, PLEASE CONSERVE
0.080	0.080	INTERSECTION	RIGHT	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.080	0.080	INTERSECTION	N/A	ROUTE 0272CZ (MATHER CAMPGROUND SAGE LOOP 2)
0.080	0.080	INTERSECTION	LEFT	ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1)
0.080	0.080	ROUTE END	N/A	TO ROUTE 0272BZ (MATHER CAMPGROUND SAGE LOOP 1) AT MP 0.01

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272FAZ: MATHER CAMPGROUND FIR LOOP CUT THRU

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0272FZ (MATHER CAMPGROUND FIR LOOP) AT MP 0.13
0.000	0.000	INTERSECTION	N/A	ROUTE 0272FZ (MATHER CAMPGROUND FIR LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0272FZ (MATHER CAMPGROUND FIR LOOP)
0.000	0.040	ONE-WAY	N/A	
0.040	0.040	SIGN	N/A	REGULATORY, ONE WAY
0.040	0.040	SIGN	N/A	GUIDE, UNABLE TO READ FROM VIDEO
0.040	0.040	INTERSECTION	RIGHT	ROUTE 0272FZ (MATHER CAMPGROUND FIR LOOP)
0.040	0.040	INTERSECTION	N/A	ROUTE 0272FZ (MATHER CAMPGROUND FIR LOOP)
0.040	0.040	ROUTE END	N/A	TO ROUTE 0272FZ (MATHER CAMPGROUND FIR LOOP) AT MP 0.35

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272FZ: MATHER CAMPGROUND FIR LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.22
0.000	0.000	INTERSECTION	LEFT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.490	ONE-WAY	N/A	
0.008	0.008	GATE	N/A	
0.036	0.036	CULVERT	N/A	
0.129	0.129	INTERSECTION	LEFT	ROUTE 0272FAZ (MATHER CAMPGROUND FIR LOOP CUT THRU)
0.151	0.151	SIGN	RIGHT	GUIDE, NPS VOLUNTEER
0.166	0.166	FIRE HYDRANT	LEFT	
0.347	0.347	INTERSECTION	LEFT	ROUTE 0272FAZ (MATHER CAMPGROUND FIR LOOP CUT THRU)
0.442	0.442	CULVERT	N/A	
0.476	0.476	SIGN	LEFT	GUIDE, PLEASE CONSERVE
0.485	0.485	GATE	N/A	
0.490	0.490	SIGN	RIGHT	REGULATORY, STOP
0.490	0.490	INTERSECTION	LEFT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.490	0.490	INTERSECTION	N/A	ROUTE 0272GZ (MATHER CAMPGROUND PINE LOOP)
0.490	0.490	INTERSECTION	RIGHT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.490	0.490	SIGN	N/A	REGULATORY, DO NOT ENTER
0.490	0.490	ROUTE END	N/A	TO ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.28

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272GZ: MATHER CAMPGROUND PINE LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.25
0.000	0.470	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	LEFT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.162	0.162	CULVERT	N/A	
0.290	0.290	SIGN	RIGHT	GUIDE, PLEASE CONSERVE
0.291	0.291	FIRE HYDRANT	RIGHT	
0.312	0.312	CULVERT	N/A	
0.467	0.467	SIGN	RIGHT	REGULATORY, STOP
0.470	0.470	INTERSECTION	LEFT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.470	0.470	SIGN	N/A	REGULATORY, DO NOT ENTER
0.470	0.470	INTERSECTION	RIGHT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.470	0.470	ROUTE END	N/A	TO ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.27

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272HZ: MATHER CAMPGROUND JUNIPER LOOP 1

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.30
0.000	0.000	INTERSECTION	LEFT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.330	ONE-WAY	N/A	
0.054	0.054	CULVERT	N/A	
0.132	0.132	FIRE HYDRANT	RIGHT	
0.133	0.133	SIGN	RIGHT	GUIDE, PLEASE CONSERVE
0.137	0.137	SIGN	RIGHT	REGULATORY, ONE WAY
0.141	0.141	INTERSECTION	RIGHT	ROUTE 0272IZ (MATHER CAMPGROUND JUNIPER LOOP 2)
0.183	0.183	INTERSECTION	RIGHT	ROUTE 0272IZ (MATHER CAMPGROUND JUNIPER LOOP 2)
0.185	0.185	SIGN	RIGHT	REGULATORY, ONE WAY
0.328	0.328	SIGN	RIGHT	REGULATORY, STOP
0.330	0.330	INTERSECTION	LEFT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.330	0.330	INTERSECTION	N/A	ROUTE 0272JZ (MATHER CAMPGROUND OAK LOOP 1)
0.330	0.330	INTERSECTION	RIGHT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.330	0.330	ROUTE END	N/A	TO ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.34

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272IZ: MATHER CAMPGROUND JUNIPER LOOP 2

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0272HZ (MATHER CAMPGROUND JUNIPER LOOP 1) AT MP 0.14
0.000	0.440	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	N/A	ROUTE 0272HZ (MATHER CAMPGROUND JUNIPER LOOP 1)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0272HZ (MATHER CAMPGROUND JUNIPER LOOP 1)
0.440	0.440	INTERSECTION	N/A	ROUTE 0272HZ (MATHER CAMPGROUND JUNIPER LOOP 1)
0.440	0.440	INTERSECTION	LEFT	ROUTE 0272HZ (MATHER CAMPGROUND JUNIPER LOOP 1)
0.440	0.440	ROUTE END	N/A	TO ROUTE 0272HZ (MATHER CAMPGROUND JUNIPER LOOP 1) AT MP 0.18

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272JZ: MATHER CAMPGROUND OAK LOOP 1

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD) AT MP 0.34
0.000	0.000	INTERSECTION	LEFT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0272HZ (MATHER CAMPGROUND JUNIPER LOOP 1)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.250	ONE-WAY	N/A	
0.063	0.063	SIGN	LEFT	GUIDE, PLEASE CONSERVE
0.130	0.130	INTERSECTION	LEFT	ROUTE 0272KZ (MATHER CAMPGROUND OAK LOOP 2)
0.142	0.142	SIGN	LEFT	GUIDE, PLEASE CONSERVE
0.196	0.196	INTERSECTION	LEFT	ROUTE 0272KZ (MATHER CAMPGROUND OAK LOOP 2)
0.198	0.198	SIGN	LEFT	REGULATORY, ONE WAY
0.250	0.250	INTERSECTION	LEFT	ROUTE 0272LZ (MATHER CAMPGROUND MAPLE LOOP)
0.250	0.250	INTERSECTION	N/A	ROUTE 0272LZ (MATHER CAMPGROUND MAPLE LOOP)
0.250	0.250	ROUTE END	N/A	TO ROUTE 0272LZ (MATHER CAMPGROUND MAPLE LOOP) AT MP 0.17

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272KZ: MATHER CAMPGROUND OAK LOOP 2

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0272JZ (MATHER CAMPGROUND OAK LOOP 1) AT MP 0.13
0.000	0.240	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	N/A	ROUTE 0272JZ (MATHER CAMPGROUND OAK LOOP 1)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0272JZ (MATHER CAMPGROUND OAK LOOP 1)
0.003	0.003	SIGN	LEFT	REGULATORY, ONE WAY
0.014	0.014	CULVERT	N/A	
0.179	0.179	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.184	0.184	FIRE HYDRANT	RIGHT	
0.230	0.230	CULVERT	N/A	
0.240	0.240	INTERSECTION	N/A	ROUTE 0272JZ (MATHER CAMPGROUND OAK LOOP 1)
0.240	0.240	INTERSECTION	RIGHT	ROUTE 0272JZ (MATHER CAMPGROUND OAK LOOP 1)
0.240	0.240	ROUTE END	N/A	TO ROUTE 0272JZ (MATHER CAMPGROUND OAK LOOP 1) AT MP 0.20

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0272LZ: MATHER CAMPGROUND MAPLE LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM END OF ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0272LZ (MATHER CAMPGROUND MAPLE LOOP)
0.000	0.250	ONE-WAY	N/A	
0.031	0.031	SIGN	LEFT	GUIDE, PLEASE CONSERVE
0.170	0.170	INTERSECTION	RIGHT	ROUTE 0272JZ (MATHER CAMPGROUND OAK LOOP 1)
0.179	0.179	FIRE HYDRANT	RIGHT	
0.247	0.247	SIGN	RIGHT	REGULATORY, STOP
0.250	0.250	INTERSECTION	LEFT	ROUTE 0272LZ (MATHER CAMPGROUND MAPLE LOOP)
0.250	0.250	INTERSECTION	RIGHT	ROUTE 0271 (MATHER CAMPGROUND ACCESS ROAD)
0.250	0.250	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273AZ: NORTH RIM CAMPGROUND OUTER LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM END OF ROUTE 0201 (NORTH RIM CAMPGROUND ROAD) ON LEFT
0.000	0.000	INTERSECTION	N/A	ROUTE 0489 (INN CABIN LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0973 (NORTH RIM CAMPGROUND GENERAL STORE PARKING)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0201 (NORTH RIM CAMPGROUND ROAD)
0.016	0.016	INTERSECTION	LEFT	ROUTE 0997 (CAMPGROUND REGISTRATION/ CAMPFIRE PROGRAM PARKING)
0.018	0.018	SIGN	LEFT	GUIDE, STOP
0.023	0.023	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.023	0.023	SIGN	LEFT	REGULATORY, ONE WAY
0.023	0.023	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.023	0.630	ONE-WAY	N/A	
0.024	0.024	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.027	0.027	SIGN	LEFT	GUIDE, INFORMATION
0.032	0.032	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) CUT-THRU
0.035	0.035	INTERSECTION	LEFT	ROUTE 0273BZ (NORTH RIM CAMPGROUND SITES 80 TO 83)
0.037	0.037	INTERSECTION	RIGHT	ROUTE 0998 (NORTH RIM CAMPGROUND DUMP STATION)
0.037	0.037	SIGN	LEFT	REGULATORY, ONE WAY
0.037	0.037	SIGN	LEFT	WARNING, 15 M.P.H.
0.043	0.043	SIGN	RIGHT	GUIDE, DUMP STATION
0.046	0.046	SIGN	LEFT	GUIDE, CAMPGROUND HOST
0.047	0.047	SIGN	LEFT	GUIDE, PLEASE PARK ON SURFACED ROAD
0.059	0.059	INTERSECTION	RIGHT	ROUTE 0998 (NORTH RIM CAMPGROUND DUMP STATION)
0.062	0.062	INTERSECTION	LEFT	ROUTE 0273CZ (NORTH RIM CAMPGROUND SITES 74 TO 79)
0.093	0.093	INTERSECTION	RIGHT	ROUTE 0998 (NORTH RIM CAMPGROUND DUMP STATION)
0.096	0.096	INTERSECTION	RIGHT	UNPAVED ROUTE (GROUP SITES 1-4)
0.102	0.102	SIGN	RIGHT	GUIDE, GROUP SITES 1-4
0.111	0.111	INTERSECTION	LEFT	ROUTE 0273DZ (NORTH RIM CAMPGROUND SITES 64 TO 73)
0.115	0.115	SIGN	LEFT	GUIDE, SITES 64-73
0.156	0.156	INTERSECTION	LEFT	ROUTE 0273EZ (NORTH RIM CAMPGROUND SITES 53 TO 63)
0.190	0.190	INTERSECTION	LEFT	ROUTE 0273FZ (NORTH RIM CAMPGROUND SITES 47 TO 52)
0.261	0.261	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.261	0.261	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.263	0.263	SIGN	LEFT	GUIDE, DRINKING WATER

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273AZ: NORTH RIM CAMPGROUND OUTER LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.314	0.314	SIGN	LEFT	GUIDE, DRINKING WATER
0.342	0.342	INTERSECTION	LEFT	ROUTE 0273FZ (NORTH RIM CAMPGROUND SITES 47 TO 52)
0.344	0.344	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.350	0.350	SIGN	RIGHT	GUIDE, ONE WAY
0.378	0.378	SIGN	LEFT	GUIDE, DRINKING WATER
0.384	0.384	FIRE HYDRANT	LEFT	
0.398	0.398	INTERSECTION	LEFT	ROUTE 0273EZ (NORTH RIM CAMPGROUND SITES 53 TO 63)
0.399	0.399	SIGN	LEFT	GUIDE, DO NOT ENTER
0.434	0.434	INTERSECTION	LEFT	ROUTE 0273DZ (NORTH RIM CAMPGROUND SITES 64 TO 73)
0.436	0.436	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.440	0.440	SIGN	LEFT	GUIDE, DRINKING WATER
0.485	0.485	INTERSECTION	LEFT	ROUTE 0273CZ (NORTH RIM CAMPGROUND SITES 74 TO 79)
0.488	0.488	SIGN	LEFT	GUIDE, DO NOT ENTER
0.537	0.537	INTERSECTION	LEFT	ROUTE 0273BZ (NORTH RIM CAMPGROUND SITES 80 TO 83)
0.540	0.540	SIGN	LEFT	GUIDE, DO NOT ENTER
0.544	0.544	SIGN	RIGHT	GUIDE, CAMPFIRE PROGRAM
0.544	0.544	SIGN	RIGHT	GUIDE, DISCONTINUED FOR THE SEASON
0.565	0.565	SIGN	RIGHT	GUIDE, SITES 40-44 TENTS ONLY
0.602	0.602	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) CUT-THRU
0.613	0.613	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.613	0.613	SIGN	RIGHT	REGULATORY, STOP
0.615	0.615	INTERSECTION	RIGHT	ROUTE 0997 (CAMPGROUND REGISTRATION/ CAMPFIRE PROGRAM PARKING)
0.630	0.630	INTERSECTION	LEFT	ROUTE 0973 (NORTH RIM CAMPGROUND GENERAL STORE PARKING)
0.630	0.630	INTERSECTION	N/A	ROUTE 0489 (INN CABIN LOOP)
0.630	0.630	INTERSECTION	RIGHT	ROUTE 0201 (NORTH RIM CAMPGROUND ROAD)
0.630	0.630	ROUTE END	N/A	TO END OF LOOP WITH ROUTE 0201 (NORTH RIM CAMPGROUND ROAD) ON THE RIGHT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273BZ: NORTH RIM CAMPGROUND SITES 80 TO 83

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.04
0.000	0.000	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) CUT-THRU
0.000	0.000	INTERSECTION	N/A	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.000	0.060	ONE-WAY	N/A	
0.004	0.004	SIGN	RIGHT	GUIDE, SITES 80-83
0.025	0.025	SIGN	LEFT	GUIDE, DRINKING WATER
0.060	0.060	SIGN	N/A	GUIDE, ONE WAY
0.060	0.060	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.060	0.060	INTERSECTION	RIGHT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.060	0.060	ROUTE END	N/A	TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.54

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273CZ: NORTH RIM CAMPGROUND SITES 74 TO 79

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.06
0.000	0.000	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.000	0.090	ONE-WAY	N/A	
0.005	0.005	SIGN	RIGHT	GUIDE, SITES 74-79
0.026	0.026	SIGN	LEFT	GUIDE, DRINKING WATER
0.079	0.079	SIGN	LEFT	GUIDE, DRINKING WATER
0.090	0.090	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.090	0.090	SIGN	N/A	GUIDE, ONE WAY
0.090	0.090	INTERSECTION	RIGHT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.090	0.090	ROUTE END	N/A	TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.49

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273DZ: NORTH RIM CAMPGROUND SITES 64 TO 73

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.11
0.000	0.000	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.000	0.110	ONE-WAY	N/A	
0.031	0.031	SIGN	LEFT	GUIDE, DRINKING WATER
0.110	0.110	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.110	0.110	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.110	0.110	SIGN	LEFT	REGULATORY, DRINKING WATER
0.110	0.110	INTERSECTION	RIGHT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.110	0.110	ROUTE END	N/A	TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.43

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273EZ: NORTH RIM CAMPGROUND SITES 53 TO 63

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.16
0.000	0.000	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.000	0.108	ONE-WAY	N/A	
0.005	0.005	SIGN	RIGHT	GUIDE, SITES 53-63
0.108	0.108	INTERSECTION	RIGHT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.108	0.108	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.110	0.110	SIGN	N/A	GUIDE, ONE WAY
0.110	0.110	ROUTE END	N/A	TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.40

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0273FZ: NORTH RIM CAMPGROUND SITES 47 TO 52

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.19
0.000	0.000	INTERSECTION	N/A	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.000	0.080	ONE-WAY	N/A	
0.007	0.007	SIGN	RIGHT	GUIDE, SITES 47-52
0.019	0.019	SIGN	LEFT	GUIDE, DRINKING WATER
0.080	0.080	INTERSECTION	LEFT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.080	0.080	SIGN	N/A	GUIDE, ONE WAY
0.080	0.080	INTERSECTION	RIGHT	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.080	0.080	ROUTE END	N/A	TO ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AT MP 0.34

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0277AZ: TRAILER VILLAGE OUTER LOOP A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0017 (MARKET PLAZA ROAD) AT MP 1.00
0.000	0.000	INTERSECTION	LEFT	ROUTE 0017 (MARKET PLAZA ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0017 (MARKET PLAZA ROAD)
0.000	0.000	SIGN	N/A	GUIDE, MARKET PLAZA PARK EXITS
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.006	0.007	CURB	LEFT	
0.025	0.025	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.028	0.028	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.029	0.044	PULLOUT	RIGHT	
0.048	0.048	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.174	0.174	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.186	0.186	CULVERT	N/A	
0.222	0.222	INTERSECTION	LEFT	ROUTE 0994 (TRAILER VILLAGE DORM PARKING)
0.258	0.258	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.258	0.258	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.258	0.258	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.263	0.263	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.264	0.264	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) OPPOSITE LANE
0.266	0.266	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
0.268	0.268	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.277	0.277	SIGN	LEFT	GUIDE, FULL
0.277	0.277	SIGN	LEFT	GUIDE, STOP & REGISTER
0.287	0.287	SIGN	RIGHT	REGULATORY, STOP
0.289	0.289	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) CUT-THRU
0.306	0.306	SIGN	RIGHT	WARNING, SCHOOL BUS STOP AHEAD
0.316	0.316	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.322	0.322	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) OPPOSITE LANE
0.334	0.334	INTERSECTION	LEFT	ROUTE 0279AZ (TRAILER VILLAGE ROAD A)
0.335	0.335	INTERSECTION	RIGHT	ROUTE 0279BZ (TRAILER VILLAGE ROAD B)
0.350	0.350	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.352	0.352	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.360	0.360	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.362	0.362	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) SPUR

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0277AZ: TRAILER VILLAGE OUTER LOOP A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.362	0.480	ONE-WAY	N/A	
0.364	0.364	SIGN	LEFT	GUIDE, B ST 4-9
0.368	0.368	INTERSECTION	RIGHT	ROUTE 0279LLZ (TRAILER VILLAGE ROAD LL)
0.372	0.372	INTERSECTION	LEFT	ROUTE 0279CZ (TRAILER VILLAGE ROAD C)
0.376	0.376	SIGN	LEFT	GUIDE, C ST 10-16
0.379	0.379	INTERSECTION	RIGHT	ROUTE 0279MZ (TRAILER VILLAGE ROAD M)
0.383	0.383	INTERSECTION	LEFT	ROUTE 0279DZ (TRAILER VILLAGE ROAD D)
0.384	0.384	SIGN	RIGHT	GUIDE, M ST 85-91
0.388	0.388	INTERSECTION	RIGHT	ROUTE 0279NZ (TRAILER VILLAGE ROAD N)
0.391	0.391	SIGN	LEFT	GUIDE, D ST 17-19
0.394	0.394	SIGN	RIGHT	GUIDE, N ST 92-102
0.398	0.398	INTERSECTION	LEFT	ROUTE 0279EZ (TRAILER VILLAGE ROAD E)
0.398	0.398	INTERSECTION	RIGHT	ROUTE 0279OZ (TRAILER VILLAGE ROAD O)
0.404	0.404	SIGN	LEFT	GUIDE, E ST 20-27
0.405	0.405	SIGN	RIGHT	GUIDE, O ST 103-110
0.409	0.409	INTERSECTION	LEFT	ROUTE 0279FZ (TRAILER VILLAGE ROAD F)
0.413	0.413	INTERSECTION	RIGHT	ROUTE 0279PZ (TRAILER VILLAGE ROAD P)
0.417	0.417	SIGN	RIGHT	GUIDE, P ST 111-124
0.422	0.422	INTERSECTION	LEFT	ROUTE 0279GZ (TRAILER VILLAGE ROAD G)
0.426	0.426	SIGN	LEFT	GUIDE, G ST 36-44
0.430	0.430	INTERSECTION	RIGHT	ROUTE 0279RZ (TRAILER VILLAGE ROAD R)
0.432	0.432	INTERSECTION	LEFT	ROUTE 0279HZ (TRAILER VILLAGE ROAD H)
0.437	0.437	SIGN	LEFT	GUIDE, H ST 45-52
0.438	0.438	SIGN	RIGHT	GUIDE, R ST 147-150
0.444	0.444	INTERSECTION	LEFT	ROUTE 0279IZ (TRAILER VILLAGE ROAD I)
0.444	0.444	INTERSECTION	RIGHT	ROUTE 0279SZ (TRAILER VILLAGE ROAD S)
0.448	0.448	SIGN	LEFT	GUIDE, I ST 53-61
0.450	0.450	SIGN	RIGHT	GUIDE, S ST 151-162
0.453	0.453	INTERSECTION	LEFT	ROUTE 0279JZ (TRAILER VILLAGE ROAD J)
0.456	0.456	INTERSECTION	RIGHT	ROUTE 0279TZ (TRAILER VILLAGE ROAD T)
0.460	0.460	SIGN	LEFT	GUIDE, J ST 62-66
0.461	0.461	SIGN	RIGHT	GUIDE, T ST 163-170
0.464	0.464	INTERSECTION	LEFT	ROUTE 0279KZ (TRAILER VILLAGE ROAD K)
0.466	0.466	INTERSECTION	RIGHT	ROUTE 0279UZ (TRAILER VILLAGE ROAD U)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0277AZ: TRAILER VILLAGE OUTER LOOP A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.470	0.470	SIGN	LEFT	GUIDE, K ST 67-76
0.472	0.472	SIGN	RIGHT	GUIDE, U ST 171-182
0.480	0.480	INTERSECTION	LEFT	ROUTE 0279LZ (TRAILER VILLAGE ROAD L)
0.480	0.480	SIGN	RIGHT	GUIDE, V ST 183-193
0.480	0.480	SIGN	RIGHT	GUIDE, DO NOT ENTER RESIDENTS ONLY
0.480	0.480	SIGN	LEFT	REGULATORY, NO PARKING
0.480	0.480	SIGN	LEFT	GUIDE, L ST 77-84
0.480	0.480	INTERSECTION	N/A	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) CLOSED SECTION
0.480	0.480	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.540	0.540	INTERSECTION	N/A	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) CLOSED SECTION
0.540	0.720	ONE-WAY	N/A	
0.585	0.585	INTERSECTION	LEFT	ROUTE 0279LZ (TRAILER VILLAGE ROAD L)
0.593	0.593	INTERSECTION	RIGHT	ROUTE 0464 (TANK C PUMPHOUSE ROAD)
0.602	0.602	FIRE HYDRANT	RIGHT	
0.606	0.606	INTERSECTION	LEFT	ROUTE 0279KZ (TRAILER VILLAGE ROAD K)
0.615	0.615	INTERSECTION	LEFT	ROUTE 0279JZ (TRAILER VILLAGE ROAD J)
0.627	0.627	INTERSECTION	LEFT	ROUTE 0279IZ (TRAILER VILLAGE ROAD I)
0.640	0.640	INTERSECTION	LEFT	ROUTE 0279HZ (TRAILER VILLAGE ROAD H)
0.648	0.648	INTERSECTION	LEFT	ROUTE 0279GZ (TRAILER VILLAGE ROAD G)
0.659	0.659	INTERSECTION	LEFT	ROUTE 0279FZ (TRAILER VILLAGE ROAD F)
0.670	0.672	CURB	RIGHT	
0.671	0.671	FIRE HYDRANT	RIGHT	
0.678	0.678	INTERSECTION	LEFT	ROUTE 0279EZ (TRAILER VILLAGE ROAD E)
0.682	0.682	INTERSECTION	LEFT	ROUTE 0279DZ (TRAILER VILLAGE ROAD D)
0.691	0.691	INTERSECTION	LEFT	ROUTE 0279CZ (TRAILER VILLAGE ROAD C)
0.698	0.698	INTERSECTION	RIGHT	ROUTE 1050 (REAR DORM PARKING)
0.700	0.700	FIRE HYDRANT	RIGHT	
0.703	0.703	INTERSECTION	LEFT	ROUTE 0279BZ (TRAILER VILLAGE ROAD B)
0.716	0.716	INTERSECTION	LEFT	ROUTE 0279AZ (TRAILER VILLAGE ROAD A)
0.720	0.720	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.720	0.720	INTERSECTION	N/A	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.720	0.720	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0277BZ: TRAILER VILLAGE OUTER LOOP B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.48 ON RIGHT
0.000	0.370	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) CLOSED SECTION
0.000	0.000	INTERSECTION	N/A	ROUTE 0279LZ (TRAILER VILLAGE ROAD L)
0.124	0.124	INTERSECTION	RIGHT	ROUTE 0279UZ (TRAILER VILLAGE ROAD U)
0.131	0.131	INTERSECTION	RIGHT	ROUTE 0279TZ (TRAILER VILLAGE ROAD T)
0.145	0.145	INTERSECTION	RIGHT	ROUTE 0279SZ (TRAILER VILLAGE ROAD S)
0.157	0.157	INTERSECTION	RIGHT	ROUTE 0279RZ (TRAILER VILLAGE ROAD R)
0.180	0.180	INTERSECTION	RIGHT	ROUTE 0279PZ (TRAILER VILLAGE ROAD P)
0.205	0.205	INTERSECTION	RIGHT	ROUTE 0279OZ (TRAILER VILLAGE ROAD O)
0.219	0.219	INTERSECTION	RIGHT	ROUTE 0279NZ (TRAILER VILLAGE ROAD N)
0.242	0.242	INTERSECTION	RIGHT	ROUTE 0279MZ (TRAILER VILLAGE ROAD M)
0.272	0.272	INTERSECTION	RIGHT	ROUTE 0279LLZ (TRAILER VILLAGE ROAD LL)
0.359	0.359	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) SPUR
0.368	0.368	SIGN	RIGHT	REGULATORY, STOP
0.370	0.370	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.370	0.370	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.370	0.370	ROUTE END	N/A	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.35

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279AZ: TRAILER VILLAGE ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.33 ON LEFT
0.000	0.050	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.005	0.005	SIGN	RIGHT	GUIDE, A ST 1-3
0.050	0.050	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.050	0.050	INTERSECTION	N/A	ROUTE 1050 (REAR DORM PARKING)
0.050	0.050	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.050	0.050	ROUTE END	N/A	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.72

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279BZ: TRAILER VILLAGE ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.34 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.070	ONE-WAY	N/A	
0.070	0.070	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.070	0.070	INTERSECTION	N/A	ROUTE 1050 (REAR DORM PARKING)
0.070	0.070	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.070	0.070	ROUTE END	N/A	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.70

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279CZ: TRAILER VILLAGE ROAD C

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.37 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.080	ONE-WAY	N/A	
0.008	0.008	SIGN	RIGHT	GUIDE, C ST 10-16
0.079	0.079	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.079	0.079	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.080	0.080	INTERSECTION	N/A	ROUTE 1050 (REAR DORM PARKING)
0.080	0.080	ROUTE END	N/A	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.69

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279DZ: TRAILER VILLAGE ROAD D

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.38 ON LEFT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.080	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.042	0.042	FIRE HYDRANT	RIGHT	
0.080	0.080	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.080	0.080	INTERSECTION	N/A	ROUTE 1050 (REAR DORM PARKING)
0.080	0.080	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.080	0.080	ROUTE END	N/A	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.68

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279EZ: TRAILER VILLAGE ROAD E

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.40 ON LEFT
0.000	0.090	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0279OZ (TRAILER VILLAGE ROAD O)
0.090	0.090	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.090	0.090	INTERSECTION	N/A	ROUTE 1050 (REAR DORM PARKING)
0.090	0.090	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.090	0.090	ROUTE END	N/A	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.68

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279FZ: TRAILER VILLAGE ROAD F

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.41 ON LEFT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.090	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	N/A	ROUTE 0279PZ (TRAILER VILLAGE ROAD P)
0.003	0.003	SIGN	RIGHT	GUIDE, F ST 28-35
0.090	0.090	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.090	0.090	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.090	0.090	ROUTE END	N/A	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.66

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279GZ: TRAILER VILLAGE ROAD G

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.42 ON LEFT
0.000	0.096	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.096	0.096	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.096	0.096	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.100	0.100	ROUTE END	N/A	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.65

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279HZ: TRAILER VILLAGE ROAD H

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.43 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0279RZ (TRAILER VILLAGE ROAD R)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.100	ONE-WAY	N/A	
0.100	0.100	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.100	0.100	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.100	0.100	ROUTE END	N/A	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.64

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279IZ: TRAILER VILLAGE ROAD I

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.44 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0279SZ (TRAILER VILLAGE ROAD S)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.100	ONE-WAY	N/A	
0.100	0.100	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.100	0.100	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.100	0.100	ROUTE END	N/A	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.63

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279JZ: TRAILER VILLAGE ROAD J

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.45 ON LEFT
0.000	0.100	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0279TZ (TRAILER VILLAGE ROAD T)
0.046	0.046	FIRE HYDRANT	RIGHT	
0.100	0.100	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.100	0.100	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.100	0.100	ROUTE END	N/A	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.62

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279KZ: TRAILER VILLAGE ROAD K

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.46 ON LEFT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0279UZ (TRAILER VILLAGE ROAD U)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.110	ONE-WAY	N/A	
0.110	0.110	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.110	0.110	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.110	0.110	ROUTE END	N/A	TO ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.61

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279LLZ: TRAILER VILLAGE ROAD LL

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.37 ON RIGHT
0.000	0.097	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.097	0.097	INTERSECTION	LEFT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.097	0.097	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.100	0.100	ROUTE END	N/A	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.27

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279LZ: TRAILER VILLAGE ROAD L

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.48 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.110	ONE-WAY	N/A	
0.008	0.008	SIGN	RIGHT	GUIDE, L ST 77-84
0.008	0.008	SIGN	RIGHT	REGULATORY, NO PARKING
0.110	0.110	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.110	0.110	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.110	0.110	ROUTE END	N/A	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.00

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279MZ: TRAILER VILLAGE ROAD M

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.38 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.120	ONE-WAY	N/A	
0.120	0.120	INTERSECTION	LEFT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.120	0.120	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.120	0.120	ROUTE END	N/A	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.24

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279NZ: TRAILER VILLAGE ROAD N

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.39 ON RIGHT
0.000	0.130	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.064	0.064	FIRE HYDRANT	LEFT	
0.130	0.130	INTERSECTION	LEFT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.130	0.130	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.130	0.130	ROUTE END	N/A	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.22

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279OZ: TRAILER VILLAGE ROAD O

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.40 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0279EZ (TRAILER VILLAGE ROAD E)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.136	ONE-WAY	N/A	
0.136	0.136	INTERSECTION	LEFT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.136	0.136	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.140	0.140	ROUTE END	N/A	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.21

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279PZ: TRAILER VILLAGE ROAD P

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.41 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0279FZ (TRAILER VILLAGE ROAD F)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.133	ONE-WAY	N/A	
0.007	0.007	SIGN	LEFT	GUIDE, P ST 111-124
0.133	0.133	INTERSECTION	LEFT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.133	0.133	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.140	0.140	ROUTE END	N/A	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.18

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279RZ: TRAILER VILLAGE ROAD R

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.43 ON RIGHT
0.000	0.130	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0279HZ (TRAILER VILLAGE ROAD H)
0.007	0.007	SIGN	LEFT	GUIDE, R ST 147-150
0.130	0.130	INTERSECTION	LEFT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.130	0.130	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.130	0.130	ROUTE END	N/A	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.16

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279SZ: TRAILER VILLAGE ROAD S

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.44 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.120	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0279IZ (TRAILER VILLAGE ROAD I)
0.120	0.120	INTERSECTION	LEFT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.120	0.120	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.120	0.120	ROUTE END	N/A	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.15

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279TZ: TRAILER VILLAGE ROAD T

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.46 ON RIGHT
0.000	0.120	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0279JZ (TRAILER VILLAGE ROAD J)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.064	0.064	FIRE HYDRANT	RIGHT	
0.120	0.120	INTERSECTION	LEFT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.120	0.120	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.120	0.120	ROUTE END	N/A	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.13

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0279UZ: TRAILER VILLAGE ROAD U

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A) AT MP 0.47 ON RIGHT
0.000	0.110	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	LEFT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0279KZ (TRAILER VILLAGE ROAD K)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.110	0.110	INTERSECTION	RIGHT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.110	0.110	INTERSECTION	LEFT	ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B)
0.110	0.110	ROUTE END	N/A	TO ROUTE 0277BZ (TRAILER VILLAGE OUTER LOOP B) AT MP 0.12

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0287: ROUTE 0160 ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0160 (ROWE WELL ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0160 (ROWE WELL ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0160 (ROWE WELL ROAD)
0.000	0.000	SIGN	N/A	GUIDE, KENNELS
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.021	0.021	SIGN	RIGHT	WARNING, MULE XING
0.023	0.023	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.026	0.026	CULVERT	N/A	
0.027	0.027	CULVERT	N/A	
0.028	0.028	CULVERT	N/A	
0.039	0.039	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.039	0.039	TRAFFIC LIGHT	RIGHT	X2
0.042	0.042	RAILROAD CROSSING	N/A	N/A
0.043	0.043	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.046	0.046	TRAFFIC LIGHT	LEFT	X2
0.063	0.063	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.173	0.173	CULVERT	N/A	
0.217	0.217	INTERSECTION	RIGHT	ROUTE 0938 (MAINTENANCE PARKING)
0.245	0.245	INTERSECTION	RIGHT	ROUTE 0938 (MAINTENANCE PARKING)
0.254	0.258	CURB-AND-GUTTER	RIGHT	
0.275	0.275	INTERSECTION	LEFT	UNPAVED ROUTE
0.276	0.276	FIRE HYDRANT	RIGHT	
0.290	0.290	INTERSECTION	N/A	ROUTE 0908EZ (MASWICK STANDARD PARKING E)
0.290	0.290	SIGN	RIGHT	REGULATORY, STOP
0.290	0.290	ROUTE END	N/A	TO ROUTE 0908EZ (MASWICK STANDARD PARKING E)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0288: CLINIC ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0016 (CENTER ROAD) AT MP 0.62
0.000	0.000	INTERSECTION	LEFT	ROUTE 0016 (CENTER ROAD)
0.000	0.000	INTERSECTION	N/A	UNPAVED ROUTE
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0016 (CENTER ROAD)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.005	0.005	SIGN	RIGHT	GUIDE, CENTER RD
0.005	0.005	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.022	0.022	SIGN	RIGHT	GUIDE, PARK EXIT VILLAGE 64
0.022	0.022	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.057	0.214	PAVED DITCH	LEFT	
0.118	0.118	INTERSECTION	RIGHT	ROUTE 0440 (RANDY THOMPSON CIRCLE)
0.124	0.124	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.124	0.124	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.158	0.158	DROP INLET	LEFT	
0.200	0.200	INTERSECTION	RIGHT	ROUTE 0451 (HAVASUPAI ROAD)
0.205	0.205	SIGN	RIGHT	GUIDE, CLINIC RD
0.206	0.206	SIGN	RIGHT	GUIDE, CLINIC
0.225	0.225	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.225	0.225	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.230	0.232	CURB	RIGHT	
0.237	0.237	INTERSECTION	RIGHT	ROUTE 0937AZ (CLINIC EMS PARKING A)
0.245	0.245	SIGN	RIGHT	GUIDE, PATIENT PATIENT DROP OFF
0.245	0.256	CURB	RIGHT	
0.260	0.265	CURB	LEFT	
0.261	0.261	INTERSECTION	RIGHT	ROUTE 0937AZ (CLINIC EMS PARKING A)
0.267	0.267	INTERSECTION	LEFT	ROUTE 0937BZ (PRIVATE RESIDENCE AND CLINIC PARKING)
0.270	0.284	CURB	RIGHT	
0.273	0.318	CURB	LEFT	
0.273	0.273	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.287	0.287	INTERSECTION	RIGHT	ROUTE 0937CZ (AMBULANCE PARKING)
0.295	0.295	SIGN	RIGHT	GUIDE, AMBULANCE & EMERGENCY ENTRANCE ONLY
0.296	0.305	CURB	RIGHT	
0.298	0.298	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.312	0.312	INTERSECTION	RIGHT	ROUTE 0937CZ (AMBULANCE PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0288: CLINIC ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.319	0.363	CURB	RIGHT	
0.325	0.325	INTERSECTION	LEFT	ROUTE 0937BZ (PRIVATE RESIDENCE AND CLINIC PARKING)
0.327	0.327	INTERSECTION	LEFT	ROUTE 0937DZ (CLINIC EMS PARKING D)
0.328	0.328	SIGN	RIGHT	REGULATORY, AUTHORIZED VEHICLES ONLY
0.330	0.358	CURB	LEFT	
0.331	0.331	SIGN	LEFT	REGULATORY, AUTHORIZED VEHICLES ONLY
0.353	0.353	FIRE HYDRANT	LEFT	
0.361	0.361	INTERSECTION	LEFT	ROUTE 0937DZ (CLINIC EMS PARKING D)
0.371	0.371	INTERSECTION	RIGHT	ROUTE 0937EZ (CLINIC EMS PARKING E)
0.385	0.406	PAVED DITCH	RIGHT	
0.398	0.410	PAVED DITCH	LEFT	
0.405	0.405	CULVERT	N/A	
0.408	0.408	SIGN	RIGHT	REGULATORY, STOP
0.410	0.410	INTERSECTION	LEFT	ROUTE 0016 (CENTER ROAD)
0.410	0.410	INTERSECTION	RIGHT	ROUTE 0016 (CENTER ROAD)
0.410	0.410	ROUTE END	N/A	TO ROUTE 0016 (CENTER ROAD) AT MP 0.89

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0403: TONTO STREET

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0016 (CENTER ROAD) AT MP 1.53 ON RIGHT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0016 (CENTER ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0016 (CENTER ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0413 (APACHE STREET)
0.003	0.010	CURB	LEFT	
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.004	0.012	CURB	RIGHT	
0.008	0.008	SIGN	RIGHT	GUIDE, RESIDENTIAL AREA
0.026	0.026	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.031	0.031	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.047	0.047	INTERSECTION	RIGHT	ROUTE 0431 (JUNIPER HILL) SPUR
0.048	0.048	SIGN	LEFT	GUIDE, JUNIPER HILL
0.049	0.049	SIGN	RIGHT	GUIDE, TONTO ST
0.049	0.049	SIGN	RIGHT	GUIDE, JUNIPER HILL
0.050	0.050	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.050	0.050	SIGN	RIGHT	WARNING, SLOW CHILDREN
0.053	0.053	SIGN	RIGHT	REGULATORY, YIELD
0.058	0.058	INTERSECTION	RIGHT	ROUTE 0431 (JUNIPER HILL)
0.077	0.077	FIRE HYDRANT	RIGHT	
0.082	0.082	INTERSECTION	LEFT	ROUTE 0933 (GRAND CANYON ASSOCIATION PARKING)
0.085	0.088	CURB	LEFT	
0.086	0.086	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.087	0.087	SIGN	RIGHT	GUIDE, GRAND CANYON ASSOCIATION
0.091	0.091	INTERSECTION	LEFT	ROUTE 0933 (GRAND CANYON ASSOCIATION PARKING)
0.093	0.138	CURB	LEFT	
0.142	0.150	CURB	LEFT	
0.145	0.145	FIRE HYDRANT	RIGHT	
0.148	0.148	SIGN	RIGHT	REGULATORY, STOP
0.150	0.150	INTERSECTION	LEFT	ROUTE 0432 (NAVAJO STREET)
0.150	0.150	INTERSECTION	RIGHT	ROUTE 0432 (NAVAJO STREET)
0.150	0.150	ROUTE END	N/A	TO ROUTE 0432 (NAVAJO STREET)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0404: AUTO SHOP ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 12.00 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))
0.006	0.006	SIGN	RIGHT	REGULATORY, STOP
0.007	0.007	SIGN	RIGHT	GUIDE, SERVICE ROAD
0.007	0.007	SIGN	RIGHT	GUIDE, AUTHORIZED VEHICLES ONLY
0.018	0.018	SIGN	LEFT	GUIDE, BRIDLE PATH
0.018	0.018	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.027	0.027	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.113	0.113	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.117	0.117	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.129	0.129	INTERSECTION	LEFT	ROUTE 0404 (AUTO SHOP ROAD)
0.129	0.180	ONE-WAY	N/A	
0.132	0.132	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.150	0.150	INTERSECTION	RIGHT	ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.180	0.180	INTERSECTION	LEFT	ROUTE 0404 (AUTO SHOP ROAD)
0.180	0.180	INTERSECTION	RIGHT	ROUTE 0404 (AUTO SHOP ROAD)
0.180	0.180	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0405: ADMIN LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67)) AT MP 11.56 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0014 (NORTH ENTRANCE ROAD (HWY 67))
0.002	0.002	SIGN	RIGHT	REGULATORY, STOP
0.011	0.011	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.011	0.011	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.014	0.014	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.036	0.036	SIGN	RIGHT	WARNING, 15 M.P.H.
0.036	0.036	SIGN	RIGHT	WARNING, SLOW CONGESTED AREA
0.062	0.062	FIRE HYDRANT	LEFT	
0.072	0.072	SIGN	RIGHT	GUIDE, BACKCOUNTRY OFFICE PARKING
0.082	0.082	INTERSECTION	LEFT	ROUTE 0405 (ADMIN LOOP)
0.089	0.089	SIGN	RIGHT	GUIDE, RESIDENTIAL AREA
0.097	0.097	INTERSECTION	RIGHT	UNPAVED PARKING (CAPE FINAL TRAIL)
0.132	0.132	SIGN	RIGHT	REGULATORY, STOP
0.136	0.136	INTERSECTION	RIGHT	ROUTE 0450 (WASTEWATER PLANT / HELIPAD ROAD)
0.161	0.161	INTERSECTION	LEFT	ROUTE 1017 (RESIDENCE PARKING AREA)
0.172	0.184	LANE DEVIATION	N/A	
0.197	0.197	FIRE HYDRANT	RIGHT	
0.214	0.214	FIRE HYDRANT	LEFT	
0.229	0.229	SIGN	RIGHT	REGULATORY, YIELD
0.229	0.229	SIGN	LEFT	GUIDE, RESIDENTIAL AREA
0.232	0.232	INTERSECTION	RIGHT	ROUTE 0449 (NORTH RIM RESIDENCE LOOP)
0.244	0.244	INTERSECTION	RIGHT	ROUTE 0976 (NORTH RIM ADMINISTRATIVE BUILDING PARKING)
0.252	0.252	INTERSECTION	LEFT	ROUTE 1013 (BUNKHOUSE PARKING)
0.254	0.254	SIGN	RIGHT	REGULATORY, HANDICAP PARKING
0.257	0.257	FIRE HYDRANT	LEFT	
0.257	0.257	FIRE HYDRANT	RIGHT	
0.280	0.280	INTERSECTION	LEFT	ROUTE 0405 (ADMIN LOOP)
0.280	0.280	INTERSECTION	RIGHT	ROUTE 0405 (ADMIN LOOP)
0.280	0.280	SIGN	RIGHT	REGULATORY, YIELD
0.280	0.280	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0408: COCONINO ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM INTERSECTION OF ROUTES 0500 (VILLAGE LOOP DRIVE) AND 0426 (MASWICK TRANSPORTATION CENTER ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0426 (MASWICK TRANSPORTATION CENTER ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.005	0.031	CURB	RIGHT	
0.006	0.006	SIGN	RIGHT	GUIDE, RESIDENTIAL AREA
0.006	0.033	CURB	LEFT	
0.008	0.008	SIGN	RIGHT	REGULATORY, 4-WAY
0.008	0.008	SIGN	RIGHT	REGULATORY, STOP
0.023	0.023	FIRE HYDRANT	RIGHT	
0.036	0.036	INTERSECTION	RIGHT	ROUTE 0414 (APACHE WEST)
0.037	0.040	CURB-AND-GUTTER	LEFT	
0.037	0.037	INTERSECTION	LEFT	ROUTE 0413 (APACHE STREET)
0.040	0.040	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.040	0.040	SIGN	RIGHT	GUIDE, APACHE
0.049	0.049	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.049	0.049	SIGN	RIGHT	WARNING, SLOW CHILDREN
0.067	0.067	INTERSECTION	LEFT	ROUTE 0411 (BOULDER ALLEY)
0.080	0.080	FIRE HYDRANT	RIGHT	
0.082	0.082	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.082	0.082	SIGN	RIGHT	GUIDE, BOULDER STREET
0.088	0.088	INTERSECTION	LEFT	ROUTE 0409 (BOULDER STREET)
0.097	0.097	INTERSECTION	RIGHT	ROUTE 0986 (BOULDER WEST PARKING)
0.137	0.137	INTERSECTION	RIGHT	ROUTE 0987 (LOOP STREET PARKING)
0.141	0.141	SIGN	LEFT	GUIDE, LOOP STREET
0.141	0.141	SIGN	RIGHT	GUIDE, LOOP STREET
0.209	0.209	FIRE HYDRANT	RIGHT	
0.260	0.260	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.278	0.278	SIGN	RIGHT	REGULATORY, STOP
0.280	0.280	INTERSECTION	LEFT	ROUTE 0601 (ALBRIGHT AVENUE)
0.280	0.280	INTERSECTION	N/A	ROUTE 0928 (COCONINO SCHOOL PARKING)
0.280	0.280	INTERSECTION	RIGHT	ROUTE 0601 (ALBRIGHT AVENUE)
0.280	0.280	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0408: COCONINO ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.280	0.280	ROUTE END	N/A	TO ROUTE 0601 (ALBRIGHT AVENUE)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0409: BOULDER STREET

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0408 (COCONINO ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0408 (COCONINO ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0408 (COCONINO ROAD)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.039	0.039	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.071	0.071	FIRE HYDRANT	LEFT	
0.112	0.112	INTERSECTION	RIGHT	ROUTE 0601 (ALBRIGHT AVENUE)
0.112	0.280	ONE-WAY	N/A	
0.124	0.124	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.127	0.127	FIRE HYDRANT	LEFT	
0.127	0.127	SIGN	RIGHT	GUIDE, EL CRISTO REY RECTORY- CHAPEL
0.127	0.127	SIGN	RIGHT	GUIDE, PARK IN SCHOOL LOT
0.132	0.132	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.152	0.152	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.152	0.152	CULVERT	N/A	
0.157	0.157	INTERSECTION	RIGHT	ROUTE 0926 (CHAPEL PARKING)
0.158	0.158	SIGN	LEFT	REGULATORY, ONE WAY
0.160	0.160	FIRE HYDRANT	RIGHT	
0.167	0.167	INTERSECTION	LEFT	ROUTE 0927 (BOULDER STREET RESIDENCE PARKING)
0.169	0.169	SIGN	RIGHT	REGULATORY, ONE WAY
0.173	0.173	FIRE HYDRANT	RIGHT	
0.179	0.179	SIGN	LEFT	REGULATORY, NO PARKING THIS SIDE OF STREET
0.194	0.194	SIGN	LEFT	REGULATORY, NO STOPPING ANYTIME
0.196	0.196	FIRE HYDRANT	LEFT	
0.214	0.214	INTERSECTION	RIGHT	ROUTE 1021 (BUS LOADING PARKING)
0.214	0.214	SIGN	LEFT	REGULATORY, NO PARKING THIS SIDE OF STREET
0.247	0.247	INTERSECTION	LEFT	ROUTE 0411 (BOULDER ALLEY)
0.264	0.264	CULVERT	N/A	
0.266	0.266	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.269	0.280	CURB	RIGHT	
0.271	0.280	CURB	LEFT	
0.272	0.272	FIRE HYDRANT	LEFT	
0.280	0.280	SIGN	RIGHT	REGULATORY, STOP
0.280	0.280	INTERSECTION	LEFT	ROUTE 0016 (CENTER ROAD)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0409: BOULDER STREET

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.280	0.280	INTERSECTION	RIGHT	ROUTE 0016 (CENTER ROAD)
0.280	0.280	SIGN	LEFT	REGULATORY, STOP
0.280	0.280	SIGN	RIGHT	REGULATORY, STOP
0.280	0.280	ROUTE END	N/A	TO ROUTE 0016 (CENTER ROAD)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0411: BOULDER ALLEY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0408 (COCONINO ROAD) AT MP 0.07 ON LEFT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0408 (COCONINO ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0408 (COCONINO ROAD)
0.235	0.235	SIGN	RIGHT	REGULATORY, NO PARKING
0.240	0.240	INTERSECTION	LEFT	ROUTE 0409 (BOULDER STREET)
0.240	0.240	INTERSECTION	RIGHT	ROUTE 0409 (BOULDER STREET)
0.240	0.240	SIGN	N/A	REGULATORY, ONE WAY
0.240	0.240	SIGN	RIGHT	REGULATORY, STOP
0.240	0.240	ROUTE END	N/A	TO ROUTE 0409 (BOULDER STREET)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0413: APACHE STREET

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0016 (CENTER ROAD) AT MP 1.53 ON LEFT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0016 (CENTER ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0403 (TONTO STREET)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0016 (CENTER ROAD)
0.000	0.230	ONE-WAY	N/A	
0.004	0.014	CURB	LEFT	
0.005	0.015	CURB	RIGHT	
0.006	0.006	CULVERT	N/A	
0.008	0.008	SIGN	RIGHT	REGULATORY, ONE WAY
0.014	0.230	CURB-AND-GUTTER	LEFT	
0.015	0.015	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.015	0.066	CURB-AND-GUTTER	RIGHT	
0.022	0.022	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.043	0.043	FIRE HYDRANT	LEFT	
0.068	0.068	INTERSECTION	RIGHT	ROUTE 0415 (APACHE ALLEY)
0.072	0.230	CURB-AND-GUTTER	RIGHT	
0.076	0.076	FIRE HYDRANT	LEFT	
0.118	0.118	FIRE HYDRANT	LEFT	
0.162	0.162	SIGN	RIGHT	WARNING, SLOW CHILDREN
0.191	0.191	FIRE HYDRANT	LEFT	
0.228	0.228	DROP INLET	LEFT	
0.228	0.228	DROP INLET	RIGHT	
0.230	0.230	INTERSECTION	RIGHT	ROUTE 0408 (COCONINO ROAD)
0.230	0.230	SIGN	RIGHT	REGULATORY, STOP
0.230	0.230	INTERSECTION	N/A	ROUTE 0414 (APACHE WEST)
0.230	0.230	INTERSECTION	LEFT	ROUTE 0408 (COCONINO ROAD)
0.230	0.230	FIRE HYDRANT	LEFT	
0.230	0.230	ROUTE END	N/A	TO INTERSECTION OF ROUTES 0408 (COCONINO ROAD) AND 0414 (APACHE WEST)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0414: APACHE WEST

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM INTERSECTION OF ROUTES 0408 (COCONINO ROAD) AND 0413 (APACHE STREET)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0408 (COCONINO ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0413 (APACHE STREET)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0408 (COCONINO ROAD)
0.004	0.006	CURB	RIGHT	
0.007	0.007	SIGN	RIGHT	REGULATORY, STOP
0.036	0.036	DROP INLET	LEFT	
0.040	0.042	CURB-AND-GUTTER	LEFT	
0.054	0.054	INTERSECTION	LEFT	ROUTE 0983GZ (APACHE WEST PARKING G)
0.072	0.072	INTERSECTION	LEFT	ROUTE 0983FZ (APACHE WEST PARKING F)
0.072	0.072	INTERSECTION	RIGHT	ROUTE 0983EZ (APACHE WEST PARKING E)
0.078	0.082	CURB-AND-GUTTER	RIGHT	
0.084	0.084	INTERSECTION	RIGHT	ROUTE 0983DZ (APACHE WEST PARKING D)
0.089	0.089	SIGN	RIGHT	REGULATORY, NO PARKING BETWEEN SIGNS
0.091	0.091	FIRE HYDRANT	LEFT	
0.102	0.104	CURB-AND-GUTTER	RIGHT	
0.103	0.103	SIGN	RIGHT	REGULATORY, NO PARKING BETWEEN SIGNS
0.106	0.106	INTERSECTION	LEFT	ROUTE 0983BZ (APACHE WEST PARKING B)
0.106	0.106	INTERSECTION	RIGHT	ROUTE 0983CZ (APACHE WEST PARKING C)
0.111	0.117	CURB-AND-GUTTER	RIGHT	
0.112	0.112	SIGN	RIGHT	REGULATORY, NO PARKING BETWEEN SIGNS
0.116	0.116	SIGN	RIGHT	REGULATORY, NO PARKING BETWEEN SIGNS
0.126	0.126	INTERSECTION	RIGHT	ROUTE 0983AZ (APACHE WEST PARKING A)
0.134	0.134	FIRE HYDRANT	LEFT	
0.140	0.140	INTERSECTION	N/A	ROUTE 0414 (APACHE WEST) UNPAVED SECTION
0.140	0.140	ROUTE END	N/A	TO DEAD END

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0415: APACHE ALLEY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0413 (APACHE STREET)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0413 (APACHE STREET)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0413 (APACHE STREET)
0.160	0.160	SIGN	RIGHT	REGULATORY, STOP
0.160	0.160	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.160	0.160	INTERSECTION	RIGHT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.160	0.160	ROUTE END	N/A	TO ROUTE 0500 (VILLAGE LOOP DRIVE)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0416: MUAV COURT

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0601 (ALBRIGHT AVENUE)
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0601 (ALBRIGHT AVENUE)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0601 (ALBRIGHT AVENUE)
0.018	0.018	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.020	0.020	INTERSECTION	LEFT	ROUTE 0417 (HUALAPAI ROAD)
0.030	0.030	SIGN	LEFT	GUIDE, HUALAPAI RD
0.030	0.030	SIGN	RIGHT	GUIDE, HUALAPAI RD
0.031	0.031	FIRE HYDRANT	RIGHT	
0.031	0.033	CURB-AND-GUTTER	RIGHT	
0.032	0.035	CURB-AND-GUTTER	LEFT	
0.035	0.035	SIGN	RIGHT	REGULATORY, STOP
0.043	0.043	INTERSECTION	LEFT	ROUTE 1010BZ (MUAV COURT PARKING B)
0.043	0.043	INTERSECTION	RIGHT	ROUTE 1010AZ (MUAV COURT PARKING A)
0.058	0.061	CURB-AND-GUTTER	RIGHT	
0.059	0.062	CURB-AND-GUTTER	LEFT	
0.061	0.061	FIRE HYDRANT	LEFT	
0.072	0.072	INTERSECTION	LEFT	ROUTE 1010DZ (MUAV COURT PARKING D)
0.072	0.072	INTERSECTION	RIGHT	ROUTE 1010CZ (MUAV COURT PARKING C)
0.086	0.123	CURB-AND-GUTTER	RIGHT	
0.091	0.094	CURB-AND-GUTTER	LEFT	
0.103	0.103	INTERSECTION	LEFT	ROUTE 1010EZ (MUAV COURT PARKING E)
0.116	0.119	CURB-AND-GUTTER	LEFT	
0.117	0.117	FIRE HYDRANT	LEFT	
0.130	0.130	INTERSECTION	RIGHT	ROUTE 1010GZ (MUAV COURT PARKING G)
0.130	0.130	INTERSECTION	LEFT	ROUTE 1010FZ (MUAV COURT PARKING F)
0.138	0.140	CURB-AND-GUTTER	RIGHT	
0.140	0.140	INTERSECTION	N/A	ROUTE 1010GZ (MUAV COURT PARKING G)
0.140	0.140	ROUTE END	N/A	TO ROUTE 1010ZZ (MUAV COURT PARKING AREAS)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0417: HUALAPAI ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0416 (MUAV COURT)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0416 (MUAV COURT)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0416 (MUAV COURT)
0.024	0.024	CULVERT	N/A	
0.024	0.024	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.062	0.062	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.070	0.070	INTERSECTION	RIGHT	ROUTE 1009 (HUALAPAI COURT PARKING)
0.118	0.118	INTERSECTION	RIGHT	ROUTE 0420AZ (MATHER STREET A)
0.118	0.118	INTERSECTION	LEFT	ROUTE 0421 (POWELL AVENUE)
0.122	0.122	SIGN	LEFT	GUIDE, POWELL AVENUE
0.122	0.122	SIGN	RIGHT	GUIDE, 39-69 POWELL AVE
0.125	0.125	SIGN	LEFT	GUIDE, MATHER ST
0.165	0.165	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.165	0.165	SIGN	RIGHT	GUIDE, POWELL AVE
0.166	0.166	INTERSECTION	LEFT	ROUTE 0421 (POWELL AVENUE)
0.173	0.173	SIGN	LEFT	GUIDE, MATHER ST
0.173	0.173	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.174	0.174	INTERSECTION	RIGHT	ROUTE 0420BZ (MATHER STREET B)
0.176	0.176	SIGN	RIGHT	REGULATORY, STOP
0.194	0.194	INTERSECTION	LEFT	ROUTE 0419 (KOLB CIRCLE)
0.199	0.199	SIGN	LEFT	GUIDE, KOLB ST
0.199	0.199	SIGN	RIGHT	GUIDE, KOLB ST
0.200	0.200	INTERSECTION	N/A	ROUTE 0410 (PIMA STREET)
0.200	0.200	ROUTE END	N/A	TO INTERSECTION OF ROUTES 0410 (PIMA STREET) AND 0419 (KOLB CIRCLE)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0419: KOLB CIRCLE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0410 (PIMA STREET)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0410 (PIMA STREET)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0410 (PIMA STREET)
0.021	0.021	INTERSECTION	LEFT	ROUTE 1008AZ (KOLB CIRCLE PARKING A)
0.021	0.021	INTERSECTION	RIGHT	ROUTE 1008BZ (KOLB CIRCLE PARKING B)
0.040	0.040	INTERSECTION	LEFT	ROUTE 0410 (PIMA STREET)
0.040	0.040	INTERSECTION	RIGHT	ROUTE 0417 (HUALAPAI ROAD)
0.040	0.040	ROUTE END	N/A	TO INTERSECTION OF ROUTES 0417 (HUALAPAI ROAD) AND 0410 (PIMA STREET)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0420AZ: MATHER STREET A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0417 (HUALAPAI ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0417 (HUALAPAI ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0417 (HUALAPAI ROAD)
0.003	0.003	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.004	0.004	SIGN	RIGHT	REGULATORY, YIELD
0.066	0.066	INTERSECTION	LEFT	ROUTE 0420BZ (MATHER STREET B)
0.066	0.066	INTERSECTION	RIGHT	ROUTE 0420BZ (MATHER STREET B)
0.070	0.070	ROUTE END	N/A	TO ROUTE 0420BZ (MATHER STREET B)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0420BZ: MATHER STREET B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0417 (HUALAPAI ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0417 (HUALAPAI ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0417 (HUALAPAI ROAD)
0.008	0.008	FIRE HYDRANT	RIGHT	
0.008	0.008	SIGN	RIGHT	REGULATORY, YIELD
0.012	0.012	INTERSECTION	RIGHT	ROUTE 0420AZ (MATHER STREET A)
0.020	0.020	SIGN	RIGHT	REGULATORY, SPEED LIMIT 5
0.020	0.020	SIGN	RIGHT	WARNING, RAISE NO DUST
0.032	0.032	INTERSECTION	LEFT	ROUTE 0410 (PIMA STREET)
0.050	0.050	INTERSECTION	LEFT	ROUTE 0420BZ (MATHER STREET B)
0.087	0.087	INTERSECTION	RIGHT	ROUTE 0410 (PIMA STREET) CUT-THRU
0.090	0.090	SIGN	RIGHT	GUIDE, PIMA STREET
0.100	0.100	INTERSECTION	LEFT	ROUTE 0420BZ (MATHER STREET B)
0.100	0.100	INTERSECTION	N/A	ROUTE 0420BZ (MATHER STREET B)
0.100	0.100	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0421: POWELL AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0417 (HUALAPAI ROAD) AT MP 0.12
0.000	0.000	INTERSECTION	LEFT	ROUTE 0417 (HUALAPAI ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0420AZ (MATHER STREET A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0417 (HUALAPAI ROAD)
0.004	0.004	SIGN	RIGHT	GUIDE, 15-18 HUALAPAI RD
0.005	0.005	FIRE HYDRANT	RIGHT	
0.005	0.005	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.012	0.012	SIGN	RIGHT	REGULATORY, YIELD
0.025	0.025	SIGN	RIGHT	GUIDE, 19-28 LIPAN ST
0.025	0.025	SIGN	LEFT	GUIDE, 19-28 LIPAN ST
0.030	0.030	INTERSECTION	RIGHT	ROUTE 0443 (LIPAN STREET)
0.037	0.037	INTERSECTION	RIGHT	ROUTE 0442 (MORAN AVENUE)
0.134	0.134	INTERSECTION	RIGHT	ROUTE 0442 (MORAN AVENUE) CUT-THRU
0.234	0.234	INTERSECTION	RIGHT	ROUTE 0442 (MORAN AVENUE)
0.241	0.241	INTERSECTION	RIGHT	ROUTE 0443 (LIPAN STREET)
0.245	0.245	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.245	0.245	SIGN	RIGHT	GUIDE, LIPAN ST
0.259	0.259	SIGN	RIGHT	GUIDE, HUALAPAI RD
0.259	0.259	SIGN	RIGHT	REGULATORY, YIELD
0.260	0.260	INTERSECTION	RIGHT	ROUTE 0417 (HUALAPAI ROAD)
0.260	0.260	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.260	0.260	INTERSECTION	N/A	ROUTE 0420BZ (MATHER STREET B)
0.260	0.260	INTERSECTION	LEFT	ROUTE 0417 (HUALAPAI ROAD)
0.260	0.260	ROUTE END	N/A	TO ROUTE 0417 (HUALAPAI ROAD) AT MP 0.17

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0422: SOUTH MOHAVE STREET

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0601 (ALBRIGHT AVENUE)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0601 (ALBRIGHT AVENUE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0601 (ALBRIGHT AVENUE)
0.002	0.002	CULVERT	N/A	
0.002	0.002	SIGN	RIGHT	GUIDE, ALBRIGHT AVE
0.002	0.002	SIGN	RIGHT	REGULATORY, STOP
0.009	0.009	SIGN	RIGHT	WARNING, DEAD END
0.025	0.025	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.030	0.030	FIRE HYDRANT	RIGHT	
0.034	0.034	INTERSECTION	LEFT	ROUTE 1031 (MOHAVE RESIDENTIAL PARKING)
0.034	0.034	INTERSECTION	RIGHT	ROUTE 0423 (MOHAVE COURT)
0.080	0.080	INTERSECTION	RIGHT	ROUTE 0423 (MOHAVE COURT)
0.105	0.114	PAVED DITCH	RIGHT	
0.106	0.106	CULVERT	N/A	
0.150	0.150	INTERSECTION	LEFT	ROUTE 1005 (DELEWARE NORTH APARTMENT PARKING)
0.150	0.150	INTERSECTION	RIGHT	ROUTE 1006 (GRAND CANYON DELEWARE NORTH PARKING)
0.170	0.170	INTERSECTION	N/A	ROUTE 1004 (MOHAVE SOUTH STREET PARKING)
0.170	0.170	ROUTE END	N/A	TO ROUTE 1004 (MOHAVE SOUTH STREET PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0423: MOHAVE COURT

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0422 (SOUTH MOHAVE STREET) AT MP 0.03
0.000	0.000	INTERSECTION	LEFT	ROUTE 0422 (SOUTH MOHAVE STREET)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0422 (SOUTH MOHAVE STREET)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.020	0.020	INTERSECTION	RIGHT	ROUTE 1007AZ (MOHAVE COURT PARKING A)
0.020	0.020	INTERSECTION	LEFT	ROUTE 1007BZ (MOHAVE COURT PARKING B)
0.042	0.042	FIRE HYDRANT	LEFT	
0.042	0.042	INTERSECTION	RIGHT	ROUTE 1007CZ (MOHAVE COURT PARKING C)
0.098	0.098	INTERSECTION	LEFT	ROUTE 1007DZ (MOHAVE COURT PARKING D)
0.109	0.109	INTERSECTION	RIGHT	ROUTE 1007EZ (MOHAVE COURT PARKING E)
0.111	0.111	FIRE HYDRANT	LEFT	
0.136	0.136	INTERSECTION	LEFT	ROUTE 1007GZ (MOHAVE COURT PARKING G)
0.136	0.136	INTERSECTION	RIGHT	ROUTE 1007FZ (MOHAVE COURT PARKING F)
0.153	0.153	FIRE HYDRANT	LEFT	
0.160	0.160	INTERSECTION	LEFT	ROUTE 0422 (SOUTH MOHAVE STREET)
0.160	0.160	INTERSECTION	RIGHT	ROUTE 0422 (SOUTH MOHAVE STREET)
0.160	0.160	ROUTE END	N/A	TO ROUTE 0422 (SOUTH MOHAVE STREET) AT MP 0.08

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0426: MASWICK TRANSPORTATION CENTER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM INTERSECTION OF ROUTES 0500 (VILLAGE LOOP DRIVE) AND 0408 (COCONINO ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0408 (COCONINO ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.004	0.004	SIGN	LEFT	GUIDE, BACKCOUNTRY OFFICE
0.004	0.169	CURB	LEFT	
0.008	0.008	SIGN	RIGHT	REGULATORY, 4-WAY
0.008	0.008	SIGN	RIGHT	REGULATORY, STOP
0.009	0.106	CURB	RIGHT	
0.014	0.014	SIGN	RIGHT	GUIDE, MASWICK TRANSPORTATION CENTER BACKCOUNTRY OFFICE PARKING
0.014	0.014	SIGN	RIGHT	GUIDE, NO THRU TRAFFIC
0.015	0.015	SIGN	RIGHT	REGULATORY, PARKING AREA E
0.035	0.035	SIGN	RIGHT	GUIDE, PARK EXITS MASWICK LODGE 64
0.074	0.074	SIGN	RIGHT	GUIDE, BACKCOUNTRY OFFICE HIKING PERMITS
0.080	0.080	DROP INLET	LEFT	
0.112	0.112	INTERSECTION	RIGHT	ROUTE 0923 (MASWICK TRANSPORTATION CENTER PARKING)
0.117	0.170	CURB	RIGHT	
0.129	0.129	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.163	0.163	SIGN	RIGHT	REGULATORY, STOP
0.170	0.170	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.170	0.170	SIGN	N/A	GUIDE, DAY USE ONLY NO CAMPING
0.170	0.170	INTERSECTION	N/A	ROUTE 0923 (MASWICK TRANSPORTATION CENTER PARKING)
0.170	0.170	SIGN	N/A	REGULATORY, KEEP RIGHT
0.170	0.170	ROUTE END	N/A	TO ROUTE 0923 (MASWICK TRANSPORTATION CENTER PARKING)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0427: KENNELS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0160 (ROWE WELL ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0160 (ROWE WELL ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0160 (ROWE WELL ROAD)
0.007	0.007	SIGN	RIGHT	REGULATORY, STOP
0.008	0.008	SIGN	RIGHT	WARNING, MULE XING
0.024	0.024	CULVERT	N/A	
0.030	0.030	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.033	0.033	SIGN	RIGHT	WARNING, MULE XING
0.047	0.047	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.049	0.049	RAILROAD CROSSING	N/A	N/A
0.055	0.055	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.069	0.069	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.095	0.095	INTERSECTION	RIGHT	ROUTE 0939 (WASTEWATER TREATMENT AREA)
0.099	0.099	SIGN	RIGHT	GUIDE, KENNELS
0.168	0.168	INTERSECTION	LEFT	UNPAVED PARKING
0.170	0.170	GATE	N/A	
0.170	0.170	INTERSECTION	N/A	ROUTE 0939 (WASTEWATER TREATMENT AREA)
0.170	0.170	ROUTE END	N/A	TO ROUTE 0939 (WASTEWATER TREATMENT AREA)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0428: SHUTTLE BUS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0016 (CENTER ROAD) AT MP 0.17 ON LEFT
0.000	0.000	SIGN	N/A	GUIDE, UNABLE TO READ FROM VIDEO
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0016 (CENTER ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0016 (CENTER ROAD)
0.007	0.007	SIGN	RIGHT	REGULATORY, STOP
0.010	0.010	SIGN	RIGHT	REGULATORY, OFFICIAL BUSINESS ONLY
0.067	0.067	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.080	0.080	CULVERT	N/A	
0.132	0.132	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.212	0.212	CULVERT	N/A	
0.299	0.299	INTERSECTION	LEFT	UNPAVED PARKING (FUEL STATION)
0.317	0.317	SIGN	RIGHT	WARNING, 20 MPH
0.319	0.319	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.328	0.328	INTERSECTION	LEFT	UNPAVED PARKING
0.333	0.333	FIRE HYDRANT	LEFT	
0.344	0.344	SIGN	RIGHT	REGULATORY, NO DUMPING IN THIS AREA
0.344	0.344	SIGN	RIGHT	GUIDE, AREA CLOSED BY ORDER OF SUPERINTENDENT GRAND CANYON NATIONAL PARK CFR
0.345	0.345	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.351	0.351	INTERSECTION	RIGHT	UNPAVED ROUTE (HELIBASE / GATED)
0.355	0.355	SIGN	RIGHT	REGULATORY, DANGER HELIBASE AUTHORIZED PERSONNEL ONLY
0.355	0.355	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.361	0.361	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.381	0.381	SIGN	RIGHT	GUIDE, MAINTENANCE FACILITIES WAREHOUSE PROCUREMENT LOST & FOUND AHEAD 1/4 MILE
0.407	0.407	FIRE HYDRANT	RIGHT	
0.408	0.408	SIGN	RIGHT	GUIDE, SHUTTLE BUS SERVICE FIRE & AVIATION HELIBASE
0.411	0.411	SIGN	RIGHT	WARNING, 20 MPH
0.422	0.422	INTERSECTION	RIGHT	ROUTE 0488 (FIRE STATION ACCESS ROAD)
0.458	0.458	INTERSECTION	RIGHT	ROUTE 1000 (WEIGH STATION)
0.473	0.473	SIGN	RIGHT	GUIDE, LOAD LIMIT MAXIMUM 125 LBS/SQ FT
0.524	0.524	INTERSECTION	RIGHT	ROUTE 1000 (WEIGH STATION)
0.533	0.533	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.557	0.557	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0428: SHUTTLE BUS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.573	0.573	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
0.578	0.578	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
0.584	0.584	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
0.600	0.600	INTERSECTION	N/A	ROUTE 0999 (NEW MAINTENANCE AREA)
0.600	0.600	ROUTE END	N/A	TO ROUTE 0999 (NEW MAINTENANCE AREA)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0429: NPS HOUSING ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0601 (ALBRIGHT AVENUE)
0.000	0.000	INTERSECTION	N/A	ROUTE 0929 (DORMITORY PARKING)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0601 (ALBRIGHT AVENUE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0601 (ALBRIGHT AVENUE)
0.006	0.006	SIGN	RIGHT	REGULATORY, STOP
0.026	0.026	CULVERT	N/A	
0.035	0.035	INTERSECTION	RIGHT	ROUTE 0989 (RIVER PERMIT PARKING)
0.044	0.044	INTERSECTION	RIGHT	ROUTE 0989 (RIVER PERMIT PARKING)
0.099	0.099	FIRE HYDRANT	RIGHT	
0.110	0.110	INTERSECTION	N/A	DEAD END (MAINTENANCE SHOP DRIVEWAY)
0.110	0.110	ROUTE END	N/A	TO DEAD END

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0431: JUNIPER HILL

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0403 (TONTO STREET) AT MP 0.06 ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0403 (TONTO STREET)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0403 (TONTO STREET)
0.016	0.016	INTERSECTION	RIGHT	ROUTE 0431 (JUNIPER HILL) SPUR
0.029	0.029	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.042	0.042	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.048	0.048	FIRE HYDRANT	RIGHT	
0.054	0.054	INTERSECTION	RIGHT	ROUTE 0934AZ (STABLE PARKING AREA A)
0.073	0.073	INTERSECTION	RIGHT	ROUTE 0435 (SUNSET DRIVE)
0.080	0.080	INTERSECTION	RIGHT	ROUTE 0934BZ (STABLE PARKING AREA B)
0.096	0.096	INTERSECTION	LEFT	ROUTE 0432 (NAVAJO STREET)
0.096	0.096	INTERSECTION	RIGHT	UNPAVED PARKING
0.105	0.105	SIGN	RIGHT	GUIDE, JUNIPER HILL
0.108	0.108	SIGN	LEFT	REGULATORY, NO PARKING TOW AWAY ZONE
0.111	0.111	FIRE HYDRANT	RIGHT	
0.120	0.120	SIGN	RIGHT	REGULATORY, YIELD
0.126	0.126	SIGN	RIGHT	WARNING, SLOW CHILDREN
0.133	0.133	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.162	0.162	FIRE HYDRANT	LEFT	
0.196	0.196	FIRE HYDRANT	LEFT	
0.243	0.243	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.268	0.268	SIGN	RIGHT	REGULATORY, STOP
0.270	0.270	FIRE HYDRANT	RIGHT	
0.270	0.270	INTERSECTION	LEFT	ROUTE 0435 (SUNSET DRIVE)
0.270	0.270	INTERSECTION	RIGHT	ROUTE 0435 (SUNSET DRIVE)
0.270	0.270	ROUTE END	N/A	TO ROUTE 0435 (SUNSET DRIVE)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0432: NAVAJO STREET

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 1.28 ON RIGHT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.005	0.005	SIGN	LEFT	GUIDE, VILLAGE LOOP
0.005	0.005	SIGN	RIGHT	GUIDE, VILLAGE LOOP DR
0.005	0.013	CURB	RIGHT	
0.006	0.012	GUARD/GUIDE WALL	RIGHT	
0.006	0.013	CURB	LEFT	
0.008	0.008	SIGN	RIGHT	GUIDE, RESIDENTIAL AREA
0.011	0.013	GUARD/GUIDE WALL	LEFT	
0.020	0.020	DROP INLET	LEFT	
0.021	0.021	FIRE HYDRANT	LEFT	
0.023	0.023	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.024	0.024	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.028	0.028	INTERSECTION	LEFT	ROUTE 0925 (GENERAL OFFICES PARKING)
0.036	0.036	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.041	0.041	INTERSECTION	LEFT	ROUTE 0445AZ (NAVAJO RESIDENCE ROAD A)
0.054	0.054	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.098	0.098	CULVERT	N/A	
0.098	0.114	GUARD/GUIDE WALL	LEFT	
0.118	0.118	SIGN	LEFT	GUIDE, TONTO ST
0.118	0.118	SIGN	RIGHT	GUIDE, TONTO ST
0.118	0.118	INTERSECTION	RIGHT	ROUTE 0403 (TONTO STREET)
0.118	0.118	SIGN	LEFT	GUIDE, NAVAJO ST
0.134	0.134	INTERSECTION	LEFT	ROUTE 0444 (KAIBAB STREET)
0.135	0.135	SIGN	LEFT	GUIDE, KAIBAB ST
0.136	0.136	SIGN	RIGHT	GUIDE, KAIBAB ST
0.162	0.162	SIGN	RIGHT	REGULATORY, YIELD
0.170	0.170	INTERSECTION	LEFT	ROUTE 0431 (JUNIPER HILL)
0.170	0.170	INTERSECTION	N/A	UNPAVED PARKING
0.170	0.170	INTERSECTION	RIGHT	ROUTE 0431 (JUNIPER HILL)
0.170	0.170	ROUTE END	N/A	TO ROUTE 0431 (JUNIPER HILL)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0433: TAPEATS CIRCLE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0444 (KAIBAB STREET) AT MP 0.11
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0444 (KAIBAB STREET)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0444 (KAIBAB STREET)
0.007	0.018	CURB	LEFT	
0.008	0.008	FIRE HYDRANT	RIGHT	
0.008	0.008	SIGN	LEFT	GUIDE, KAIBAB ST
0.009	0.009	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.020	0.020	CULVERT	N/A	
0.086	0.086	CULVERT	N/A	
0.091	0.091	FIRE HYDRANT	LEFT	
0.110	0.110	INTERSECTION	LEFT	ROUTE 0444 (KAIBAB STREET)
0.110	0.110	INTERSECTION	RIGHT	ROUTE 0444 (KAIBAB STREET)
0.110	0.110	ROUTE END	N/A	TO ROUTE 0444 (KAIBAB STREET) AT MP 0.18

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0434: HERMIT CIRCLE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0435 (SUNSET DRIVE) AT MP 0.27
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0435 (SUNSET DRIVE)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0435 (SUNSET DRIVE)
0.003	0.003	SIGN	RIGHT	GUIDE, SUNSET DR
0.014	0.014	FIRE HYDRANT	LEFT	
0.028	0.028	INTERSECTION	RIGHT	ROUTE 1003AZ (HERMIT CIRCLE PARKING A)
0.042	0.047	CURB	RIGHT	
0.043	0.043	FIRE HYDRANT	LEFT	
0.057	0.057	INTERSECTION	RIGHT	ROUTE 1003BZ (HERMIT CIRCLE PARKING B)
0.068	0.068	FIRE HYDRANT	LEFT	
0.068	0.071	CURB-AND-GUTTER	RIGHT	
0.080	0.080	INTERSECTION	LEFT	ROUTE 0435 (SUNSET DRIVE)
0.080	0.080	INTERSECTION	RIGHT	ROUTE 0435 (SUNSET DRIVE)
0.080	0.080	ROUTE END	N/A	TO ROUTE 0435 (SUNSET DRIVE) AT MP 0.24

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0435: SUNSET DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0431 (JUNIPER HILL) AT MP 0.27
0.000	0.000	INTERSECTION	LEFT	ROUTE 0431 (JUNIPER HILL)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0431 (JUNIPER HILL)
0.017	0.017	INTERSECTION	LEFT	ROUTE 0934BZ (STABLE PARKING AREA B)
0.017	0.017	INTERSECTION	RIGHT	UNPAVED PARKING
0.040	0.040	INTERSECTION	LEFT	ROUTE 0934BZ (STABLE PARKING AREA B)
0.040	0.040	INTERSECTION	RIGHT	ROUTE 0934AZ (STABLE PARKING AREA A)
0.042	0.042	FIRE HYDRANT	RIGHT	
0.044	0.044	SIGN	RIGHT	GUIDE, SUNSET
0.057	0.057	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.066	0.066	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
0.070	0.070	INTERSECTION	RIGHT	UNPAVED PARKING (SOUTH RIM HORSE CAMP PARKING)
0.072	0.072	INTERSECTION	LEFT	UNPAVED PARKING
0.073	0.073	SIGN	RIGHT	GUIDE, SOUTH RIM HORSE CAMP
0.077	0.077	FIRE HYDRANT	LEFT	
0.098	0.098	SIGN	LEFT	GUIDE, SOUTH RIM HORSE CAMP
0.129	0.129	INTERSECTION	RIGHT	UNPAVED PARKING (SOUTH RIM HORSE CAMP PARKING)
0.136	0.136	INTERSECTION	RIGHT	UNPAVED PARKING (SOUTH RIM HORSE CAMP PARKING)
0.142	0.142	FIRE HYDRANT	LEFT	
0.182	0.182	INTERSECTION	RIGHT	UNPAVED PARKING (SOUTH RIM HORSE CAMP PARKING)
0.209	0.209	SIGN	RIGHT	GUIDE, JUNIPER HILL
0.212	0.212	INTERSECTION	LEFT	ROUTE 0431 (JUNIPER HILL)
0.235	0.235	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.235	0.235	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.237	0.237	INTERSECTION	LEFT	ROUTE 0434 (HERMIT CIRCLE)
0.266	0.266	SIGN	LEFT	GUIDE, HERMIT
0.266	0.266	SIGN	LEFT	GUIDE, SUNSET DR
0.266	0.266	SIGN	RIGHT	GUIDE, HERMIT CIR
0.270	0.270	INTERSECTION	LEFT	ROUTE 0434 (HERMIT CIRCLE)
0.307	0.307	SIGN	LEFT	GUIDE, HAVASUPAI RD
0.307	0.307	SIGN	LEFT	GUIDE, SUNSET DR
0.307	0.307	SIGN	RIGHT	GUIDE, HAVASUPAI ST
0.310	0.310	INTERSECTION	LEFT	ROUTE 0451 (HAVASUPAI ROAD)
0.314	0.314	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0435: SUNSET DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.315	0.315	FIRE HYDRANT	LEFT	
0.342	0.342	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.342	0.342	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.360	0.360	INTERSECTION	LEFT	ROUTE 0437 (PARK CIRCLE)
0.360	0.360	INTERSECTION	N/A	ROUTE 0437 (PARK CIRCLE)
0.360	0.360	INTERSECTION	RIGHT	ROUTE 0437 (PARK CIRCLE)
0.360	0.360	SIGN	LEFT	GUIDE, PARK CIR
0.360	0.360	SIGN	RIGHT	REGULATORY, STOP
0.360	0.360	ROUTE END	N/A	TO ROUTE 0437 (PARK CIRCLE) AT MP 0.52

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0436AZ: BRIGHT ANGEL LOOP ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0500 (VILLAGE LOOP DRIVE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.000	0.000	SIGN	N/A	REGULATORY, ONE WAY
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.005	0.009	CURB	LEFT	
0.007	0.014	GUARD/GUIDE WALL	RIGHT	
0.015	0.015	INTERSECTION	LEFT	ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)
0.016	0.016	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.017	0.017	INTERSECTION	RIGHT	ROUTE 0907 (BRIGHT ANGEL LODGE PARKING)
0.020	0.020	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.022	0.022	SIGN	LEFT	REGULATORY, NO PARKING
0.023	0.034	GUARD/GUIDE WALL	RIGHT	
0.027	0.027	SIGN	RIGHT	REGULATORY, FIRE LANE
0.027	0.027	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.031	0.031	SIGN	LEFT	REGULATORY, NO PARKING
0.038	0.038	SIGN	RIGHT	GUIDE, BRIGHT ANGEL TRAIL
0.039	0.039	SIGN	RIGHT	REGULATORY, FIRE LANE
0.039	0.039	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.041	0.041	INTERSECTION	RIGHT	UNPAVED ROUTE (FIRE LANE)
0.041	0.041	SIGN	RIGHT	REGULATORY, FIRE LANE
0.059	0.059	INTERSECTION	RIGHT	UNPAVED PARKING
0.080	0.080	INTERSECTION	RIGHT	ROUTE 0436BZ (BRIGHT ANGEL LOOP ROAD B)
0.082	0.082	INTERSECTION	RIGHT	ROUTE 0436BZ (BRIGHT ANGEL LOOP ROAD B)
0.088	0.088	FIRE HYDRANT	RIGHT	
0.091	0.091	INTERSECTION	RIGHT	UNPAVED PARKING
0.114	0.114	SIGN	LEFT	REGULATORY, FIRE LANE
0.123	0.123	SIGN	LEFT	REGULATORY, NO PARKING FIRE LANE
0.130	0.130	INTERSECTION	LEFT	ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)
0.130	0.130	INTERSECTION	N/A	ROUTE 0907 (BRIGHT ANGEL LODGE PARKING)
0.130	0.130	INTERSECTION	RIGHT	ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)
0.130	0.130	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0436BZ: BRIGHT ANGEL LOOP ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0436BZ (BRIGHT ANGEL LOOP ROAD B)
0.000	0.000	INTERSECTION	N/A	ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)
0.017	0.017	INTERSECTION	RIGHT	UNPAVED PARKING
0.022	0.022	FIRE HYDRANT	RIGHT	
0.024	0.024	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.024	0.024	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.034	0.034	INTERSECTION	LEFT	UNPAVED PARKING
0.034	0.034	INTERSECTION	RIGHT	UNPAVED PARKING
0.046	0.046	FIRE HYDRANT	RIGHT	
0.046	0.046	INTERSECTION	RIGHT	UNPAVED PARKING
0.060	0.060	INTERSECTION	LEFT	ROUTE 0436BZ (BRIGHT ANGEL LOOP ROAD B)
0.060	0.060	INTERSECTION	N/A	ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)
0.060	0.060	INTERSECTION	RIGHT	ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)
0.060	0.060	ROUTE END	N/A	TO ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0437: PARK CIRCLE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0016 (CENTER ROAD) AT MP 1.09 ON RIGHT
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0016 (CENTER ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0016 (CENTER ROAD)
0.002	0.002	CULVERT	N/A	
0.005	0.005	SIGN	RIGHT	REGULATORY, STOP
0.006	0.006	SIGN	RIGHT	GUIDE, CENTER RD
0.007	0.007	SIGN	LEFT	GUIDE, CENTER RD
0.009	0.009	SIGN	RIGHT	GUIDE, RESIDENTIAL AREA
0.022	0.022	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.022	0.022	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.042	0.042	SIGN	LEFT	GUIDE, PARK CIR
0.042	0.042	SIGN	RIGHT	GUIDE, PARK CIR
0.046	0.046	INTERSECTION	RIGHT	ROUTE 0437 (PARK CIRCLE)
0.046	0.046	INTERSECTION	LEFT	ROUTE 0435 (SUNSET DRIVE)
0.049	0.049	SIGN	RIGHT	GUIDE, SUNSET DR
0.049	0.049	SIGN	LEFT	GUIDE, SUNSET DR
0.051	0.051	FIRE HYDRANT	RIGHT	
0.117	0.117	FIRE HYDRANT	LEFT	
0.151	0.151	INTERSECTION	LEFT	ROUTE 0444 (KAIBAB STREET)
0.151	0.151	SIGN	RIGHT	GUIDE, KAIBAB ST
0.152	0.152	SIGN	LEFT	GUIDE, KAIBAB ST
0.182	0.182	FIRE HYDRANT	LEFT	
0.239	0.239	FIRE HYDRANT	LEFT	
0.290	0.290	FIRE HYDRANT	LEFT	
0.337	0.337	FIRE HYDRANT	LEFT	
0.395	0.395	FIRE HYDRANT	RIGHT	
0.463	0.463	FIRE HYDRANT	RIGHT	
0.519	0.519	FIRE HYDRANT	RIGHT	
0.520	0.520	CULVERT	N/A	
0.520	0.520	INTERSECTION	LEFT	ROUTE 0437 (PARK CIRCLE)
0.520	0.520	INTERSECTION	N/A	ROUTE 0435 (SUNSET DRIVE)
0.520	0.520	INTERSECTION	RIGHT	ROUTE 0437 (PARK CIRCLE)
0.520	0.520	SIGN	RIGHT	REGULATORY, STOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0437: PARK CIRCLE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.520	0.520	ROUTE END	N/A	TO END OF LOOP AT ROUTE 0437 (PARK CIRCLE) AND ROUTE 0435 (SUNSET DRIVE) INTERSECTION

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0438: BARRY HANCE CIRCLE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0451 (HAVASUPAI ROAD) AT MP 0.42 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0451 (HAVASUPAI ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0451 (HAVASUPAI ROAD)
0.006	0.006	SIGN	RIGHT	REGULATORY, STOP
0.006	0.006	SIGN	RIGHT	REGULATORY, HAVASUPAI STREET
0.006	0.006	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.046	0.046	INTERSECTION	RIGHT	ROUTE 0438 (BARRY HANCE CIRCLE)
0.050	0.050	SIGN	RIGHT	REGULATORY, BARRY HANCE CR
0.100	0.100	CULVERT	N/A	
0.117	0.117	FIRE HYDRANT	RIGHT	
0.201	0.201	FIRE HYDRANT	RIGHT	
0.266	0.268	CURB	LEFT	
0.278	0.278	INTERSECTION	LEFT	ROUTE 1002 (BARRY HANCE CIRCLE PARKING)
0.286	0.288	CURB	LEFT	
0.286	0.286	FIRE HYDRANT	LEFT	
0.352	0.352	FIRE HYDRANT	LEFT	
0.443	0.443	FIRE HYDRANT	LEFT	
0.444	0.444	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.448	0.448	SIGN	RIGHT	REGULATORY, BARRY HANCE CIR
0.448	0.448	SIGN	RIGHT	REGULATORY, STOP
0.450	0.450	CULVERT	N/A	
0.450	0.450	INTERSECTION	LEFT	ROUTE 0438 (BARRY HANCE CIRCLE)
0.450	0.450	INTERSECTION	RIGHT	ROUTE 0438 (BARRY HANCE CIRCLE)
0.450	0.450	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0440: RANDY THOMPSON CIRCLE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0288 (CLINIC ACCESS ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0288 (CLINIC ACCESS ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0288 (CLINIC ACCESS ROAD)
0.006	0.039	CURB	LEFT	
0.006	0.006	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.007	0.007	SIGN	RIGHT	GUIDE, RESIDENTIAL AREA
0.007	0.007	SIGN	RIGHT	REGULATORY, STOP
0.007	0.007	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.008	0.008	CULVERT	N/A	
0.011	0.011	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.039	0.039	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.040	0.040	SIGN	LEFT	REGULATORY, RANDY THOMPSON CIR
0.040	0.040	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.041	0.041	INTERSECTION	LEFT	ROUTE 0440 (RANDY THOMPSON CIRCLE)
0.045	0.045	FIRE HYDRANT	RIGHT	
0.106	0.106	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.106	0.106	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.106	0.106	INTERSECTION	LEFT	ROUTE 0441 (BOB MANN STREET)
0.135	0.150	PAVED DITCH	RIGHT	
0.224	0.224	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.224	0.224	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.243	0.243	FIRE HYDRANT	RIGHT	
0.297	0.297	FIRE HYDRANT	RIGHT	
0.331	0.331	INTERSECTION	RIGHT	ROUTE 1001AZ (RANDY THOMPSON CIRCLE PARKING A)
0.358	0.358	INTERSECTION	RIGHT	ROUTE 1001BZ (RANDY THOMPSON CIRCLE PARKING B)
0.378	0.378	SIGN	RIGHT	GUIDE, BOB MAHN ST
0.379	0.379	INTERSECTION	LEFT	ROUTE 0441 (BOB MANN STREET)
0.397	0.397	INTERSECTION	RIGHT	ROUTE 1001CZ (RANDY THOMPSON CIRCLE PARKING C)
0.440	0.440	FIRE HYDRANT	RIGHT	
0.505	0.505	FIRE HYDRANT	RIGHT	
0.555	0.555	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.555	0.555	SIGN	RIGHT	WARNING, SLOW CHILDREN AT PLAY
0.560	0.560	INTERSECTION	LEFT	ROUTE 0440 (RANDY THOMPSON CIRCLE)
0.560	0.560	INTERSECTION	RIGHT	ROUTE 0440 (RANDY THOMPSON CIRCLE)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0440: RANDY THOMPSON CIRCLE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.560	0.560	SIGN	RIGHT	REGULATORY, RANDY THOMPSON CIR
0.560	0.560	SIGN	RIGHT	REGULATORY, STOP
0.560	0.560	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0441: BOB MANN STREET

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0440 (RANDY THOMPSON CIRCLE) AT MP 0.11
0.000	0.000	INTERSECTION	LEFT	ROUTE 0440 (RANDY THOMPSON CIRCLE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0440 (RANDY THOMPSON CIRCLE)
0.008	0.008	SIGN	LEFT	REGULATORY, RANDY THOMPSON CR
0.008	0.008	SIGN	RIGHT	GUIDE, RANDY THOMPSON CIR
0.008	0.008	SIGN	RIGHT	REGULATORY, STOP
0.009	0.023	PAVED DITCH	LEFT	
0.056	0.056	FIRE HYDRANT	LEFT	
0.154	0.154	FIRE HYDRANT	LEFT	
0.163	0.163	SIGN	LEFT	REGULATORY, RANDY THOMPSON CIR
0.166	0.166	SIGN	RIGHT	GUIDE, RANDY THOMPSON CIR
0.166	0.166	SIGN	RIGHT	REGULATORY, STOP
0.170	0.170	INTERSECTION	LEFT	ROUTE 0440 (RANDY THOMPSON CIRCLE)
0.170	0.170	INTERSECTION	RIGHT	ROUTE 0440 (RANDY THOMPSON CIRCLE)
0.170	0.170	ROUTE END	N/A	TO ROUTE 0440 (RANDY THOMPSON CIRCLE) AT MP 0.38

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0442: MORAN AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM INTERSECTION OF ROUTES 0421 (POWELL AVENUE) AT MP 0.23 AND 0443 (LIPAN STREET)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0421 (POWELL AVENUE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0421 (POWELL AVENUE)
0.007	0.007	SIGN	RIGHT	GUIDE, MORAN AVE
0.053	0.053	INTERSECTION	RIGHT	ROUTE 0421 (POWELL AVENUE) CUT-THRU
0.100	0.100	INTERSECTION	LEFT	ROUTE 0421 (POWELL AVENUE)
0.100	0.100	INTERSECTION	RIGHT	ROUTE 0421 (POWELL AVENUE)
0.100	0.100	ROUTE END	N/A	TO ROUTE 0421 (POWELL AVENUE) AT MP 0.04

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0443: LIPAN STREET

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM INTERSECTION OF ROUTES 0421 (POWELL AVENUE) AT MP 0.03 AND 0442 (MORAN AVENUE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0421 (POWELL AVENUE)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0421 (POWELL AVENUE)
0.057	0.057	INTERSECTION	RIGHT	ROUTE 0421 (POWELL AVENUE)
0.057	0.057	INTERSECTION	LEFT	ROUTE 0421 (POWELL AVENUE)
0.060	0.060	ROUTE END	N/A	TO ROUTE 0421 (POWELL AVENUE) AT MP 0.24

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0444: KAIBAB STREET

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0432 (NAVAJO STREET)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0432 (NAVAJO STREET)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0432 (NAVAJO STREET)
0.002	0.002	CULVERT	N/A	
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.022	0.022	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.041	0.041	FIRE HYDRANT	RIGHT	
0.092	0.092	CULVERT	N/A	
0.101	0.113	CURB	LEFT	
0.114	0.114	INTERSECTION	LEFT	ROUTE 0433 (TAPEATS CIRCLE)
0.120	0.120	SIGN	LEFT	GUIDE, TAPEATS CR
0.121	0.121	SIGN	RIGHT	GUIDE, TAPEATS CIR
0.159	0.159	SIGN	RIGHT	WARNING, SLOW CHILDREN
0.178	0.178	INTERSECTION	LEFT	ROUTE 0433 (TAPEATS CIRCLE)
0.232	0.232	CULVERT	N/A	
0.276	0.276	CULVERT	N/A	
0.300	0.300	FIRE HYDRANT	LEFT	
0.352	0.352	CULVERT	N/A	
0.366	0.366	FIRE HYDRANT	RIGHT	
0.422	0.422	FIRE HYDRANT	RIGHT	
0.473	0.473	FIRE HYDRANT	RIGHT	
0.485	0.485	INTERSECTION	RIGHT	ROUTE 0451 (HAVASUPAI ROAD)
0.485	0.485	INTERSECTION	LEFT	ROUTE 0451 (HAVASUPAI ROAD)
0.489	0.489	SIGN	LEFT	GUIDE, HAVASUPAI ST
0.489	0.489	SIGN	RIGHT	GUIDE, HAVASUPAI ST
0.533	0.533	SIGN	RIGHT	WARNING, SLOW CHILDREN
0.540	0.540	INTERSECTION	LEFT	ROUTE 0437 (PARK CIRCLE)
0.540	0.540	INTERSECTION	RIGHT	ROUTE 0437 (PARK CIRCLE)
0.540	0.540	SIGN	N/A	GUIDE, PARK CIR
0.540	0.540	SIGN	RIGHT	REGULATORY, STOP
0.540	0.540	ROUTE END	N/A	TO ROUTE 0437 (PARK CIRCLE)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0445AZ: NAVAJO RESIDENCE ROAD A

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0432 (NAVAJO STREET)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0432 (NAVAJO STREET)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0432 (NAVAJO STREET)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.006	0.006	CULVERT	N/A	
0.006	0.006	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.006	0.006	SIGN	RIGHT	GUIDE, LIBRARY
0.036	0.036	CULVERT	N/A	
0.044	0.044	SIGN	RIGHT	GUIDE, PARKING FOR COMMUNITY LIBRARY AND N.P.S. SAFETY MANAGEMENT ONLY
0.049	0.049	INTERSECTION	LEFT	ROUTE 0445BZ (NAVAJO RESIDENCE ROAD B)
0.054	0.054	CULVERT	N/A	
0.056	0.056	SIGN	RIGHT	GUIDE, DO NOT ENTER RESIDENTS ONLY
0.070	0.070	INTERSECTION	N/A	DEAD END (DRIVEWAY)
0.070	0.070	ROUTE END	N/A	TO END OF PAVEMENT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0445BZ: NAVAJO RESIDENCE ROAD B

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0445AZ (NAVAJO RESIDENCE ROAD A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0445AZ (NAVAJO RESIDENCE ROAD A)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0445AZ (NAVAJO RESIDENCE ROAD A)
0.008	0.008	INTERSECTION	LEFT	UNPAVED PARKING
0.013	0.013	INTERSECTION	LEFT	ROUTE 0445BZ (NAVAJO RESIDENCE ROAD B)
0.025	0.025	INTERSECTION	RIGHT	UNPAVED PARKING
0.040	0.040	INTERSECTION	LEFT	ROUTE 0445BZ (NAVAJO RESIDENCE ROAD B)
0.040	0.040	INTERSECTION	N/A	ROUTE 0445BZ (NAVAJO RESIDENCE ROAD B)
0.040	0.040	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0446: WEST SHUTTLE ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0903 (HEADQUARTERS PARKING)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.006	0.006	SIGN	RIGHT	REGULATORY, STOP
0.006	0.016	CURB	RIGHT	
0.008	0.008	SIGN	RIGHT	GUIDE, YAVAPAI LODGE MARKET PLAZA RIM LODGES PARK EXITS 64
0.009	0.009	SIGN	RIGHT	REGULATORY, 4-WAY
0.009	0.018	CURB	LEFT	
0.021	0.021	SIGN	RIGHT	GUIDE, RIM LODGES PARK EXITS
0.027	0.027	INTERSECTION	RIGHT	ROUTE 0940 (BUSINESS CENTER PARKING)
0.034	0.043	CURB	RIGHT	
0.037	0.037	SIGN	RIGHT	GUIDE, YAVAPAI LODGE MARKET PLAZA TRAILER VILLAGE
0.046	0.046	INTERSECTION	RIGHT	ROUTE 0940 (BUSINESS CENTER PARKING)
0.049	0.064	CURB	RIGHT	
0.050	0.050	CULVERT	N/A	
0.058	0.058	SIGN	RIGHT	GUIDE, YAVAPAI ROOMS ONLY
0.060	0.060	CULVERT	N/A	
0.064	0.082	CURB	LEFT	
0.075	0.075	INTERSECTION	RIGHT	ROUTE 0996 (YAVAPAI LODGE BUS PARKING)
0.085	0.085	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.085	0.089	CURB	RIGHT	
0.089	0.089	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.090	0.090	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.091	0.119	PULLOUT	LEFT	
0.093	0.093	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.094	0.112	CURB	LEFT	
0.096	0.096	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.105	0.105	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.123	0.123	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.133	0.133	INTERSECTION	LEFT	ROUTE 0942 (YAVAPAI EAST PARKING)
0.133	0.133	INTERSECTION	RIGHT	ROUTE 1048 (YAVAPAI LODGE SERVICE ROAD/PARKING)
0.141	0.141	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0446: WEST SHUTTLE ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.141	0.141	SIGN	RIGHT	GUIDE, YAVAPAI WEST YAVAPAI EAST
0.201	0.201	SIGN	RIGHT	GUIDE, ROOMS 7001-7096
0.209	0.209	INTERSECTION	RIGHT	ROUTE 0943 (YAVAPAI WEST I PARKING)
0.220	0.220	CULVERT	N/A	
0.231	0.231	SIGN	RIGHT	GUIDE, ROOMS 7101-7164
0.275	0.275	INTERSECTION	LEFT	ROUTE 0942 (YAVAPAI EAST PARKING)
0.369	0.369	INTERSECTION	LEFT	ROUTE 0942 (YAVAPAI EAST PARKING)
0.379	0.379	SIGN	RIGHT	GUIDE, ROOMS 7101-7164
0.392	0.392	INTERSECTION	RIGHT	ROUTE 0944 (YAVAPAI WEST II PARKING)
0.409	0.409	GATE	N/A	
0.409	0.409	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.409	0.409	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.430	0.430	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.430	0.430	GATE	N/A	
0.430	0.430	SIGN	N/A	REGULATORY, GRAPHIC SIGN, NO TEXT
0.526	0.526	CULVERT	N/A	
0.634	0.634	CULVERT	N/A	
0.687	0.687	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.690	0.690	SIGN	RIGHT	REGULATORY, STOP
0.690	0.690	TRAFFIC LIGHT	RIGHT	
0.699	0.699	INTERSECTION	LEFT	ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.699	0.699	INTERSECTION	RIGHT	ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.709	0.709	INTERSECTION	LEFT	ROUTE 0446 (WEST SHUTTLE ACCESS ROAD)
0.709	0.820	ONE-WAY	N/A	
0.719	0.719	SIGN	LEFT	REGULATORY, SHUTTLE BUSES ONLY
0.719	0.719	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.736	0.736	INTERSECTION	LEFT	ROUTE 0446 (WEST SHUTTLE ACCESS ROAD) CUT-THRU
0.769	0.769	INTERSECTION	RIGHT	ROUTE 1054 (VISITOR CENTER (CVIP) PARKING)
0.797	0.797	INTERSECTION	LEFT	ROUTE 0446 (WEST SHUTTLE ACCESS ROAD) CUT-THRU
0.819	0.819	INTERSECTION	LEFT	ROUTE 0446 (WEST SHUTTLE ACCESS ROAD)
0.820	0.820	INTERSECTION	N/A	ROUTE 0446 (WEST SHUTTLE ACCESS ROAD)
0.820	0.820	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0448AZ: EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0404 (AUTO SHOP ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0404 (AUTO SHOP ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0404 (AUTO SHOP ROAD)
0.000	0.000	SIGN	RIGHT	REGULATORY, KEEP RIGHT
0.015	0.015	FIRE HYDRANT	RIGHT	
0.021	0.021	FIRE HYDRANT	RIGHT	
0.022	0.026	CURB	RIGHT	
0.026	0.026	INTERSECTION	RIGHT	ROUTE 1014AZ (CONCESSION DORM PARKING)
0.029	0.033	CURB	RIGHT	
0.034	0.034	INTERSECTION	LEFT	ROUTE 1014BZ (CONCESSIONAIRE CAFETERIA PARKING)
0.034	0.034	INTERSECTION	RIGHT	ROUTE 0448BZ (CONCESSIONAIRE RESIDENCE ROAD)
0.053	0.053	FIRE HYDRANT	LEFT	
0.053	0.053	INTERSECTION	RIGHT	ROUTE 1014DZ (CONCESSIONAIRE DORM PARKING #1)
0.060	0.060	INTERSECTION	LEFT	ROUTE 1014CZ (CAFETERIA EMPLOYEE PARKING)
0.075	0.099	CURB-AND-GUTTER	RIGHT	
0.080	0.080	INTERSECTION	LEFT	ROUTE 0448DZ (DORM ACCESS ROAD)
0.115	0.115	INTERSECTION	RIGHT	ROUTE 1014EZ (CONCESSIONAIRE DORM PARKING #2)
0.139	0.139	INTERSECTION	RIGHT	ROUTE 0448BZ (CONCESSIONAIRE RESIDENCE ROAD)
0.147	0.147	INTERSECTION	LEFT	ROUTE 0448BZ (CONCESSIONAIRE RESIDENCE ROAD)
0.164	0.164	INTERSECTION	RIGHT	ROUTE 0448CZ (RV CONCESSIONAIRE RESIDENCE ROAD)
0.190	0.190	INTERSECTION	LEFT	ROUTE 0448DZ (DORM ACCESS ROAD)
0.200	0.200	INTERSECTION	N/A	DEAD END (MULE CONCESSIONAIRE)
0.200	0.200	ROUTE END	N/A	TO DEAD END AT MULE CONCESSIONAIRE

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0448BZ: CONCESSIONAIRE RESIDENCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 1014BZ (CONCESSIONAIRE CAFETERIA PARKING)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.003	0.117	CURB-AND-GUTTER	LEFT	
0.004	0.020	CURB	RIGHT	
0.021	0.021	FIRE HYDRANT	RIGHT	
0.023	0.023	INTERSECTION	RIGHT	ROUTE 1014AZ (CONCESSION DORM PARKING)
0.037	0.037	INTERSECTION	RIGHT	ROUTE 1014FZ (CONCESSIONAIRE DORM PARKING #3)
0.049	0.049	FIRE HYDRANT	RIGHT	
0.052	0.052	DROP INLET	RIGHT	
0.056	0.056	DROP INLET	LEFT	
0.056	0.056	INTERSECTION	RIGHT	ROUTE 0448CZ (RV CONCESSIONAIRE RESIDENCE ROAD)
0.124	0.124	INTERSECTION	LEFT	ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.124	0.124	INTERSECTION	RIGHT	ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.134	0.134	FIRE HYDRANT	LEFT	
0.170	0.170	INTERSECTION	LEFT	ROUTE 0448DZ (DORM ACCESS ROAD)
0.170	0.170	INTERSECTION	RIGHT	ROUTE 0448DZ (DORM ACCESS ROAD)
0.170	0.170	ROUTE END	N/A	TO ROUTE 0448DZ (DORM ACCESS ROAD)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0448CZ: RV CONCESSIONAIRE RESIDENCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0448BZ (CONCESSIONAIRE RESIDENCE ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0448BZ (CONCESSIONAIRE RESIDENCE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0448BZ (CONCESSIONAIRE RESIDENCE ROAD)
0.054	0.054	FIRE HYDRANT	RIGHT	
0.098	0.098	INTERSECTION	LEFT	ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.098	0.098	INTERSECTION	RIGHT	ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.100	0.100	ROUTE END	N/A	TO ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0448DZ: DORM ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.022	0.022	INTERSECTION	LEFT	ROUTE 1014GZ (REAR EMPLOYEE DORM HOUSING)
0.042	0.042	INTERSECTION	LEFT	ROUTE 1014HZ (FRONT EMPLOYEE DORM PARKING)
0.046	0.046	FIRE HYDRANT	LEFT	
0.050	0.050	INTERSECTION	RIGHT	ROUTE 0448BZ (CONCESSIONAIRE RESIDENCE ROAD)
0.071	0.071	INTERSECTION	LEFT	UNPAVED ROUTE (SERVICE ROAD)
0.170	0.170	INTERSECTION	LEFT	ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.170	0.170	INTERSECTION	RIGHT	ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)
0.170	0.170	ROUTE END	N/A	TO ROUTE 0448AZ (EMPLOYEE DINING ROOM / MULE CONCESSIONAIRE ROAD)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0449: NORTH RIM RESIDENCE LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0450 (WASTEWATER PLANT / HELIPAD ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0405 (ADMIN LOOP)
0.000	0.000	INTERSECTION	N/A	ROUTE 0405 (ADMIN LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0450 (WASTEWATER PLANT / HELIPAD ROAD)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.027	0.027	FIRE HYDRANT	RIGHT	
0.116	0.116	FIRE HYDRANT	RIGHT	
0.146	0.146	DROP INLET	LEFT	
0.173	0.173	INTERSECTION	RIGHT	ROUTE 0975AZ (NORTH RIM RESIDENCE PARKING A)
0.185	0.185	FIRE HYDRANT	LEFT	
0.198	0.201	CURB	RIGHT	
0.203	0.203	INTERSECTION	RIGHT	ROUTE 0975BZ (NORTH RIM RESIDENCE PARKING B)
0.204	0.208	CURB	RIGHT	
0.207	0.207	INTERSECTION	RIGHT	ROUTE 0975CZ (NORTH RIM RESIDENCE PARKING C)
0.233	0.233	SIGN	LEFT	GUIDE, TO TRANSEFT TRAIL AND CAMPGROUND
0.235	0.235	INTERSECTION	RIGHT	ROUTE 0975DZ (NORTH RIM RESIDENCE PARKING D)
0.236	0.236	SIGN	RIGHT	GUIDE, RESIDENTIAL AREA
0.240	0.240	INTERSECTION	LEFT	ROUTE 0405 (ADMIN LOOP)
0.240	0.240	INTERSECTION	N/A	ROUTE 0405 (ADMIN LOOP)
0.240	0.240	INTERSECTION	RIGHT	ROUTE 0976 (NORTH RIM ADMINISTRATIVE BUILDING PARKING)
0.240	0.240	ROUTE END	N/A	TO ROUTE 0405 (ADMIN LOOP)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0450: WASTEWATER PLANT / HELIPAD ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0405 (ADMIN LOOP)
0.000	0.000	INTERSECTION	N/A	ROUTE 0405 (ADMIN LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0405 (ADMIN LOOP)
0.006	0.006	FIRE HYDRANT	RIGHT	
0.007	0.007	INTERSECTION	LEFT	ROUTE 0449 (NORTH RIM RESIDENCE LOOP)
0.026	0.026	FIRE HYDRANT	RIGHT	
0.038	0.038	INTERSECTION	RIGHT	ROUTE 1012 (GENERATOR LOOP PARKING)
0.156	0.156	INTERSECTION	LEFT	UNPAVED PARKING
0.175	0.175	INTERSECTION	LEFT	UNPAVED PARKING
0.181	0.181	SIGN	RIGHT	GUIDE, PARKING
0.182	0.182	GATE	N/A	
0.182	0.182	SIGN	RIGHT	WARNING, CAUTION HELIBASE
0.183	0.183	SIGN	LEFT	GUIDE, PARKING
0.183	0.183	SIGN	LEFT	GUIDE, SERVICE ROAD
0.183	0.183	SIGN	LEFT	WARNING, CAUTION HELIBASE
0.185	0.185	SIGN	LEFT	GUIDE, PARKING
0.231	0.231	SIGN	RIGHT	GUIDE, AUTHORIZED VEHICLES ONLY
0.232	0.232	GATE	N/A	
0.232	0.232	SIGN	LEFT	WARNING, CAUTION NARROW GATE
0.256	0.256	INTERSECTION	LEFT	ROUTE 0450 (WASTEWATER PLANT / HELIPAD ROAD)
0.279	0.279	FIRE HYDRANT	RIGHT	
0.293	0.293	INTERSECTION	RIGHT	UNPAVED ROUTE
0.311	0.311	FIRE HYDRANT	RIGHT	
0.350	0.350	INTERSECTION	LEFT	ROUTE 0450 (WASTEWATER PLANT / HELIPAD ROAD)
0.350	0.350	INTERSECTION	RIGHT	ROUTE 0450 (WASTEWATER PLANT / HELIPAD ROAD)
0.350	0.350	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0451: HAVASUPAI ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0435 (SUNSET DRIVE)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0435 (SUNSET DRIVE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0435 (SUNSET DRIVE)
0.002	0.002	SIGN	RIGHT	GUIDE, SUNSET DR
0.002	0.002	SIGN	RIGHT	REGULATORY, STOP
0.041	0.041	FIRE HYDRANT	RIGHT	
0.067	0.067	FIRE HYDRANT	RIGHT	
0.106	0.106	FIRE HYDRANT	RIGHT	
0.129	0.129	FIRE HYDRANT	RIGHT	
0.155	0.155	SIGN	LEFT	GUIDE, KAIBAB ST
0.155	0.155	SIGN	RIGHT	GUIDE, KAIBAB ST
0.155	0.155	SIGN	RIGHT	REGULATORY, STOP
0.156	0.156	INTERSECTION	LEFT	ROUTE 0444 (KAIBAB STREET)
0.156	0.156	INTERSECTION	RIGHT	ROUTE 0444 (KAIBAB STREET)
0.167	0.167	SIGN	RIGHT	REGULATORY, STOP
0.170	0.170	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.193	0.193	CULVERT	N/A	
0.222	0.222	CULVERT	N/A	
0.228	0.228	FIRE HYDRANT	RIGHT	
0.270	0.270	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.312	0.312	FIRE HYDRANT	RIGHT	
0.413	0.413	FIRE HYDRANT	RIGHT	
0.416	0.416	SIGN	RIGHT	REGULATORY, BARRY HANCE
0.417	0.417	SIGN	LEFT	REGULATORY, BARRY HANCE CIR
0.419	0.419	INTERSECTION	LEFT	ROUTE 0438 (BARRY HANCE CIRCLE)
0.446	0.446	INTERSECTION	LEFT	ROUTE 0439 (PONDEROSA STREET)
0.446	0.446	FIRE HYDRANT	LEFT	
0.451	0.451	SIGN	LEFT	GUIDE, PONDEROSA
0.452	0.452	SIGN	RIGHT	GUIDE, PONDEROSA
0.540	0.540	FIRE HYDRANT	RIGHT	
0.568	0.573	PAVED DITCH	RIGHT	
0.601	0.601	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.601	0.601	SIGN	RIGHT	WARNING, SLOW CHILDREN
0.610	0.610	INTERSECTION	LEFT	ROUTE 0288 (CLINIC ACCESS ROAD)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0451: HAVASUPAI ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.610	0.610	INTERSECTION	RIGHT	ROUTE 0288 (CLINIC ACCESS ROAD)
0.610	0.610	SIGN	RIGHT	REGULATORY, STOP
0.610	0.610	ROUTE END	N/A	TO ROUTE 0288 (CLINIC ACCESS ROAD)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0461AZ: CEDAR MOUNTAIN ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD) AT MP 0.07
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0171 (DESERT VIEW GAS STATION ACCESS ROAD)
0.000	0.000	SIGN	N/A	GUIDE, DESERT VIEW GRAND CANYON VILLAGE
0.008	0.008	SIGN	RIGHT	REGULATORY, STOP
0.023	0.023	SIGN	RIGHT	GUIDE, DO NOT ENTER RESIDENTS ONLY
0.032	0.032	FIRE HYDRANT	RIGHT	
0.042	0.042	INTERSECTION	LEFT	UNPAVED ROUTE
0.083	0.083	INTERSECTION	RIGHT	ROUTE 0492 (DESERT VIEW MAINTENANCE / RANGER STATION ROAD)
0.104	0.104	INTERSECTION	RIGHT	ROUTE 0959 (DESERT VIEW RANGER AND MAINTENANCE PARKING)
0.112	0.112	SIGN	RIGHT	GUIDE, DESERT VIEW RANGER STATION
0.129	0.129	INTERSECTION	RIGHT	ROUTE 0461BZ (COLTER LANE)
0.134	0.134	SIGN	RIGHT	GUIDE, COLTER LANE
0.135	0.135	SIGN	RIGHT	REGULATORY, STOP
0.149	0.149	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.227	0.227	INTERSECTION	RIGHT	ROUTE 1043 (PARKING FOR NPS 8-PLEX)
0.268	0.268	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.281	0.281	INTERSECTION	RIGHT	ROUTE 1043 (PARKING FOR NPS 8-PLEX)
0.303	0.303	INTERSECTION	RIGHT	ROUTE 0461BZ (COLTER LANE)
0.307	0.307	SIGN	RIGHT	REGULATORY, STOP
0.310	0.310	INTERSECTION	N/A	ROUTE 0499 (SERVICE ROAD TO DESERT VIEW SEWER PONDS)
0.310	0.310	ROUTE END	N/A	TO BEGINNING OF ROUTE 0499 (SERVICE ROAD TO DESERT VIEW SEWER PONDS)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0461BZ: COLTER LANE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0461AZ (CEDAR MOUNTAIN ROAD) AT MP 0.30
0.000	0.000	INTERSECTION	LEFT	ROUTE 0499 (SERVICE ROAD TO DESERT VIEW SEWER PONDS)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0461AZ (CEDAR MOUNTAIN ROAD)
0.051	0.051	FIRE HYDRANT	RIGHT	
0.087	0.087	SIGN	RIGHT	GUIDE, CARDENAS COURT
0.089	0.089	INTERSECTION	LEFT	ROUTE 0461DZ (CARDENAS COURT)
0.100	0.100	FIRE HYDRANT	LEFT	
0.110	0.110	INTERSECTION	LEFT	ROUTE 1027AZ (FOUR PLEX PARKING A)
0.117	0.117	INTERSECTION	RIGHT	ROUTE 1027BZ (FOUR PLEX PARKING B)
0.126	0.126	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.173	0.173	INTERSECTION	RIGHT	ROUTE 0461CZ (NANKOWEAP ROAD)
0.179	0.179	FIRE HYDRANT	LEFT	
0.216	0.216	FIRE HYDRANT	RIGHT	
0.222	0.222	SIGN	RIGHT	WARNING, SLOW CHILDREN
0.222	0.222	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.246	0.246	SIGN	LEFT	GUIDE, PEREZ
0.289	0.289	INTERSECTION	LEFT	ROUTE 0492 (DESERT VIEW MAINTENANCE / RANGER STATION ROAD)
0.294	0.294	INTERSECTION	RIGHT	ROUTE 0461CZ (NANKOWEAP ROAD)
0.296	0.296	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.299	0.299	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.299	0.299	SIGN	RIGHT	GUIDE, NANKOWEAP WAY
0.316	0.316	INTERSECTION	LEFT	ROUTE 0461AZ (CEDAR MOUNTAIN ROAD)
0.316	0.316	INTERSECTION	RIGHT	ROUTE 0461AZ (CEDAR MOUNTAIN ROAD)
0.317	0.317	SIGN	RIGHT	REGULATORY, STOP
0.320	0.320	ROUTE END	N/A	TO ROUTE 0461AZ (CEDAR MOUNTAIN ROAD) AT MP 0.13

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0461CZ: NANKOWEAP ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0461BZ (COLTER LANE) AT MP 0.17
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0461BZ (COLTER LANE)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0461BZ (COLTER LANE)
0.057	0.057	FIRE HYDRANT	LEFT	
0.072	0.072	INTERSECTION	LEFT	ROUTE 1051 (XANTERRA DESERT VIEW PARKING)
0.107	0.107	SIGN	RIGHT	REGULATORY, STOP
0.110	0.110	INTERSECTION	LEFT	ROUTE 0461BZ (COLTER LANE)
0.110	0.110	INTERSECTION	RIGHT	ROUTE 0461BZ (COLTER LANE)
0.110	0.110	SIGN	N/A	GUIDE, DESERT VIEW RANGER STATION
0.110	0.110	ROUTE END	N/A	TO ROUTE 0461BZ (COLTER LANE) AT MP 0.29

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0461DZ: CARDENAS COURT

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0461BZ (COLTER LANE) AT MP 0.09
0.000	0.000	INTERSECTION	LEFT	ROUTE 0461BZ (COLTER LANE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0461BZ (COLTER LANE)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.030	0.030	INTERSECTION	N/A	DEAD END (DRIVEWAY)
0.030	0.030	ROUTE END	N/A	TO DEAD END

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0464: TANK C PUMPHOUSE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0279AZ (TRAILER VILLAGE ROAD A)
0.000	0.000	INTERSECTION	N/A	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0277AZ (TRAILER VILLAGE OUTER LOOP A)
0.010	0.010	SIGN	RIGHT	REGULATORY, AUTHORIZED VEHICLES ONLY
0.010	0.010	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.150	0.150	INTERSECTION	N/A	DEAD END (PAVED TRAIL)
0.150	0.150	ROUTE END	N/A	TO DEAD END AND PAVED TRAIL

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0488: FIRE STATION ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0428 (SHUTTLE BUS ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0428 (SHUTTLE BUS ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0428 (SHUTTLE BUS ROAD)
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.014	0.014	SIGN	LEFT	REGULATORY, SPEED LIMIT 5
0.018	0.018	INTERSECTION	LEFT	ROUTE 0931 (SHUTTLE BUS PARKING)
0.018	0.018	INTERSECTION	RIGHT	UNPAVED PARKING
0.022	0.047	CURB	RIGHT	
0.034	0.034	INTERSECTION	LEFT	ROUTE 0932 (FIRE STATION PARKING)
0.037	0.046	CURB	LEFT	
0.039	0.044	PAVED DITCH	LEFT	
0.050	0.050	INTERSECTION	N/A	UNPAVED PARKING
0.050	0.050	ROUTE END	N/A	TO UNPAVED FIRE STATION PARKING

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0489: INN CABIN LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM INTERSECTION OF ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP) AND END OF ROUTE 0201 (NORTH RIM CAMPGROUND ROAD) ON RIGHT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0973 (NORTH RIM CAMPGROUND GENERAL STORE PARKING)
0.000	0.000	INTERSECTION	N/A	ROUTE 0273AZ (NORTH RIM CAMPGROUND OUTER LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0201 (NORTH RIM CAMPGROUND ROAD)
0.008	0.008	FIRE HYDRANT	LEFT	
0.009	0.009	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.009	0.009	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.009	0.009	SIGN	RIGHT	REGULATORY, STOP
0.012	0.012	INTERSECTION	LEFT	ROUTE 0490 (CAMPGROUND STORE / CONCESSION ACCESS ROAD)
0.019	0.019	INTERSECTION	RIGHT	ROUTE 0491 (EXPOSED FRAME CABIN RESIDENCE ROAD)
0.020	0.020	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.026	0.026	SIGN	LEFT	GUIDE, SERVICE ROAD
0.026	0.026	SIGN	LEFT	GUIDE, PRIVATE RESIDENCE
0.032	0.032	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.035	0.035	SIGN	RIGHT	GUIDE, FIRE ROAD ONLY!
0.035	0.035	SIGN	RIGHT	REGULATORY, NO PARKING
0.036	0.036	INTERSECTION	RIGHT	UNPAVED ROUTE (FIRE ROAD)
0.045	0.045	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.052	0.052	FIRE HYDRANT	RIGHT	
0.058	0.058	INTERSECTION	LEFT	ROUTE 0489 (INN CABIN LOOP)
0.069	0.069	INTERSECTION	RIGHT	ROUTE 0491 (EXPOSED FRAME CABIN RESIDENCE ROAD)
0.069	0.200	ONE-WAY	N/A	
0.074	0.074	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.074	0.074	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.200	0.200	INTERSECTION	LEFT	ROUTE 0489 (INN CABIN LOOP)
0.200	0.200	INTERSECTION	RIGHT	ROUTE 0489 (INN CABIN LOOP)
0.200	0.200	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0490: CAMPGROUND STORE / CONCESSION ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0489 (INN CABIN LOOP)(THROUGH CABIN AREA)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0489 (INN CABIN LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0489 (INN CABIN LOOP)
0.009	0.009	SIGN	RIGHT	GUIDE, RESIDENTS AND AUTHORIZED VEHICLES ONLY
0.054	0.054	CULVERT	N/A	
0.070	0.070	INTERSECTION	N/A	ROUTE 0998 (NORTH RIM CAMPGROUND DUMP STATION)
0.070	0.070	ROUTE END	N/A	TO ROUTE 0998 (NORTH RIM CAMPGROUND DUMP STATION)

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0492: DESERT VIEW MAINTENANCE / RANGER STATION ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0461BZ (COLTER LANE) AT MP 0.29 ON LEFT
0.000	0.000	INTERSECTION	LEFT	ROUTE 0461BZ (COLTER LANE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0461BZ (COLTER LANE)
0.034	0.034	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.036	0.036	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.055	0.055	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.061	0.061	INTERSECTION	RIGHT	ROUTE 0959 (DESERT VIEW RANGER AND MAINTENANCE PARKING)
0.070	0.070	INTERSECTION	LEFT	ROUTE 0461AZ (CEDAR MOUNTAIN ROAD)
0.070	0.070	INTERSECTION	RIGHT	ROUTE 0461AZ (CEDAR MOUNTAIN ROAD)
0.070	0.070	ROUTE END	N/A	TO ROUTE 0461AZ (CEDAR MOUNTAIN ROAD) AT MP 0.08

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500: VILLAGE LOOP DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM END OF ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0012 (SOUTH ENTRANCE ROAD)
0.000	0.666	ONE-WAY	N/A	
0.005	0.019	CURB	RIGHT	
0.007	0.007	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.014	0.054	CURB	LEFT	
0.014	0.016	GUARD/GUIDE WALL	LEFT	
0.016	0.016	SIGN	LEFT	GUIDE, BRIGHT ANGEL LODGE EL TOVAR HOTEL
0.021	0.021	SIGN	RIGHT	GUIDE, RESTRICTED TO VEHICLES UNDER 20 FT. IN LENGTH
0.024	0.024	INTERSECTION	RIGHT	ROUTE 0904AZ (EL TOVAR/VERKAMPS PARKING A)
0.030	0.030	DROP INLET	LEFT	
0.035	0.094	CURB	RIGHT	
0.037	0.037	DROP INLET	LEFT	
0.039	0.039	SIGN	RIGHT	GUIDE, BRIGHT ANGEL LODGE
0.049	0.049	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.058	0.080	CURB	LEFT	
0.060	0.060	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.061	0.061	SIGN	RIGHT	REGULATORY, SPEED LIMIT 20
0.064	0.070	RETAINING WALL	RIGHT	
0.065	0.065	INTERSECTION	LEFT	ROUTE 0921 (TRAIN STATION PARKING)
0.068	0.068	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.068	0.082	CURB	LEFT	
0.069	0.069	GATE	N/A	
0.084	0.084	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.094	0.094	FIRE HYDRANT	RIGHT	
0.094	0.094	INTERSECTION	LEFT	ROUTE 0921 (TRAIN STATION PARKING)
0.095	0.109	RETAINING WALL	RIGHT	
0.097	0.145	CURB	RIGHT	
0.109	0.117	CURB	LEFT	
0.110	0.110	CULVERT	N/A	
0.117	0.300	GUARD/GUIDE WALL	LEFT	
0.120	0.120	SIGN	RIGHT	REGULATORY, SHUTTLE BUSES ONLY
0.123	0.123	SIGN	RIGHT	REGULATORY, SHUTTLE BUSES ONLY
0.127	0.127	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500: VILLAGE LOOP DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.133	0.133	SIGN	RIGHT	REGULATORY, NO PARKING
0.144	0.144	FIRE HYDRANT	RIGHT	
0.144	0.144	SIGN	RIGHT	REGULATORY, NO PARKING
0.186	0.186	SIGN	RIGHT	REGULATORY, NO PARKING
0.187	0.187	INTERSECTION	RIGHT	ROUTE 0906 (THUNDERBIRD LODGE PARKING)
0.254	0.268	CURB	RIGHT	
0.262	0.262	DROP INLET	RIGHT	
0.283	0.283	INTERSECTION	RIGHT	ROUTE 0906 (THUNDERBIRD LODGE PARKING)
0.296	0.313	CURB	RIGHT	
0.300	0.300	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
0.300	0.546	CURB	LEFT	
0.302	0.302	SIGN	RIGHT	REGULATORY, NO PARKING
0.308	0.308	SIGN	LEFT	GUIDE, HERMIT ROAD MASWIK LODGE BRIGHT ANGEL LODGE
0.309	0.309	FIRE HYDRANT	RIGHT	
0.320	0.320	INTERSECTION	RIGHT	ROUTE 0907 (BRIGHT ANGEL LODGE PARKING)
0.393	0.393	SIGN	LEFT	GUIDE, BRIGHT ANGEL TRAIL
0.394	0.394	DROP INLET	LEFT	
0.394	0.394	DROP INLET	RIGHT	
0.395	0.398	GUARD/GUIDE WALL	RIGHT	
0.402	0.402	INTERSECTION	RIGHT	ROUTE 0436AZ (BRIGHT ANGEL LOOP ROAD A)
0.413	0.424	CURB	RIGHT	
0.414	0.414	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.418	0.418	FIRE HYDRANT	RIGHT	
0.423	0.423	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.443	0.443	SIGN	LEFT	WARNING, MULE XING
0.443	0.443	SIGN	LEFT	WARNING, STOP FOR TRAIL MULES
0.484	0.484	SIGN	LEFT	GUIDE, MASWIK LODGE PARKING
0.492	0.519	CURB	RIGHT	
0.509	0.509	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.518	0.518	SIGN	RIGHT	GUIDE, HERMIT ROAD
0.522	0.522	INTERSECTION	RIGHT	ROUTE 0015 (HERMIT REST ROAD)
0.526	0.526	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
0.528	0.545	CURB	RIGHT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500: VILLAGE LOOP DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.529	0.541	GUARD/GUIDE WALL	RIGHT	
0.536	0.536	CULVERT	N/A	
0.541	0.541	SIGN	LEFT	REGULATORY, DO NOT STOP ON TRACKS
0.542	0.542	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.542	0.542	TRAFFIC LIGHT	RIGHT	X2
0.544	0.544	SIGN	LEFT	REGULATORY, RAILROAD CROSSING
0.544	0.544	TRAFFIC LIGHT	LEFT	X2
0.546	0.546	RAILROAD CROSSING	N/A	
0.547	0.547	INTERSECTION	LEFT	ROUTE 0501 (VILLAGE LOOP BYPASS)
0.548	0.576	CURB	RIGHT	
0.550	0.550	DROP INLET	RIGHT	
0.551	0.553	GUARD/GUIDE WALL	RIGHT	
0.552	0.579	CURB	LEFT	
0.553	0.553	SIGN	LEFT	GUIDE, PARK EXITS
0.554	0.554	SIGN	RIGHT	GUIDE, MASWICK LODGE PARKING
0.554	0.554	SIGN	RIGHT	REGULATORY, PARKING AREA E PARKING AREA D
0.571	0.571	SIGN	RIGHT	REGULATORY, DO NOT STOP ON TRACKS
0.573	0.573	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.573	0.573	TRAFFIC LIGHT	RIGHT	X2
0.575	0.575	SIGN	LEFT	REGULATORY, RAILROAD CROSSING
0.575	0.575	TRAFFIC LIGHT	LEFT	X2
0.577	0.577	RAILROAD CROSSING	N/A	
0.579	0.587	CURB	RIGHT	
0.581	0.661	CURB	LEFT	
0.582	0.582	CULVERT	N/A	
0.585	0.585	TRAFFIC LIGHT	LEFT	X2
0.639	0.639	SIGN	LEFT	WARNING, GRAPHIC SIGN, NO TEXT
0.659	0.690	CURB	RIGHT	
0.666	0.666	INTERSECTION	LEFT	ROUTE 0908AZ (MASWICK STANDARD PARKING A)
0.670	0.759	CURB	LEFT	
0.671	0.671	FIRE HYDRANT	RIGHT	
0.697	0.697	INTERSECTION	RIGHT	ROUTE 0908BZ (MASWICK STANDARD PARKING B)
0.698	0.698	SIGN	LEFT	GUIDE, KENNELS
0.698	0.698	SIGN	RIGHT	GUIDE, KENNELS

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500: VILLAGE LOOP DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.707	0.757	CURB	RIGHT	
0.739	0.739	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.739	0.739	SIGN	RIGHT	REGULATORY, SHUTTLE BUSES ONLY
0.745	0.745	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.745	0.745	SIGN	RIGHT	REGULATORY, SHUTTLE BUSES ONLY
0.746	0.746	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.747	0.747	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.758	0.758	FIRE HYDRANT	LEFT	
0.761	0.761	INTERSECTION	RIGHT	ROUTE 0908AZ (MASWICK STANDARD PARKING A)
0.761	0.761	INTERSECTION	LEFT	ROUTE 0908EZ (MASWICK STANDARD PARKING E)
0.765	0.785	CURB	LEFT	
0.768	0.768	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.769	0.784	CURB	RIGHT	
0.780	0.780	SIGN	RIGHT	REGULATORY, 2 TRACKS
0.780	0.780	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.780	0.780	TRAFFIC LIGHT	RIGHT	X2
0.785	0.785	RAILROAD CROSSING	N/A	
0.787	0.787	RAILROAD CROSSING	N/A	
0.789	0.880	CURB	RIGHT	
0.791	0.865	CURB	LEFT	
0.794	0.794	TRAFFIC LIGHT	LEFT	X2
0.795	0.795	SIGN	RIGHT	REGULATORY, 2 TRACKS
0.795	0.795	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.800	0.800	DROP INLET	RIGHT	
0.802	0.802	DROP INLET	LEFT	
0.821	0.821	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.836	0.836	SIGN	RIGHT	REGULATORY, 4-WAY
0.836	0.836	SIGN	RIGHT	WARNING, STOP AHEAD
0.855	0.855	SIGN	RIGHT	GUIDE, BACKCOUNTRY OFFICE HIKING PERMITS PARKING NO THRU TRAFFIC
0.862	0.862	FIRE HYDRANT	LEFT	
0.867	0.867	INTERSECTION	LEFT	ROUTE 0909 (SERVICE PARKING AREA)
0.872	1.025	CURB	LEFT	
0.873	0.873	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500: VILLAGE LOOP DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.884	0.884	SIGN	RIGHT	REGULATORY, STOP
0.884	0.884	SIGN	LEFT	REGULATORY, STOP
0.884	0.884	SIGN	LEFT	REGULATORY, 4-WAY
0.889	0.889	INTERSECTION	RIGHT	ROUTE 0426 (MASWICK TRANSPORTATION CENTER ROAD)
0.889	0.889	SIGN	RIGHT	GUIDE, BACKCOUNTRY OFFICE NO THRU TRAFFIC
0.892	0.892	INTERSECTION	RIGHT	ROUTE 0408 (COCONINO ROAD)
0.897	0.897	FIRE HYDRANT	LEFT	
0.897	0.897	SIGN	RIGHT	GUIDE, VILLAGE LOOP PARK EXITS ALL SERVICES
0.897	0.925	CURB	RIGHT	
0.901	0.901	SIGN	RIGHT	REGULATORY, 4-WAY
0.901	0.901	SIGN	RIGHT	REGULATORY, STOP
0.926	0.926	INTERSECTION	RIGHT	ROUTE 0415 (APACHE ALLEY)
0.929	0.929	SIGN	RIGHT	GUIDE, BACKCOUNTRY OFFICE MASWIK LODGE
0.931	1.027	CURB	RIGHT	
0.938	0.938	DROP INLET	RIGHT	
0.951	0.951	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.952	0.952	FIRE HYDRANT	LEFT	
0.966	0.966	SIGN	RIGHT	REGULATORY, SPEED LIMIT 20
0.993	0.993	SIGN	RIGHT	REGULATORY, PARKING
1.008	1.008	FIRE HYDRANT	RIGHT	
1.026	1.026	DROP INLET	RIGHT	
1.033	1.033	INTERSECTION	LEFT	ROUTE 0909 (SERVICE PARKING AREA)
1.033	1.033	INTERSECTION	RIGHT	ROUTE 0910 (HUMAN RESOURCES PARKING)
1.038	1.066	CURB	LEFT	
1.038	1.114	CURB	RIGHT	
1.041	1.041	SIGN	RIGHT	GUIDE, GRAND CANYON NATIONAL PARK LODGES HUMAN RESOURCES DEPARTMENT HOUSING OFFICE/TRAINING OFFICE NEW EMPL
1.042	1.042	SIGN	LEFT	GUIDE, GRAND CANYON NATIONAL PARK LODGES
1.042	1.042	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
1.064	1.064	FIRE HYDRANT	RIGHT	
1.072	1.072	INTERSECTION	LEFT	ROUTE 0501 (VILLAGE LOOP BYPASS)
1.077	1.077	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
1.078	1.118	CURB	LEFT	
1.081	1.081	SIGN	LEFT	REGULATORY, PARKING AREA

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500: VILLAGE LOOP DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.081	1.081	SIGN	RIGHT	REGULATORY, PARKING AREA D
1.095	1.095	SIGN	RIGHT	GUIDE, PARK EXIT CLINIC 64
1.107	1.107	DROP INLET	LEFT	
1.120	1.120	INTERSECTION	RIGHT	ROUTE 0016 (CENTER ROAD)
1.122	1.122	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE) OPPOSITE LANE
1.124	1.142	CURB	LEFT	
1.125	1.125	SIGN	LEFT	REGULATORY, DO NOT ENTER
1.125	1.125	SIGN	RIGHT	REGULATORY, PARKING
1.126	1.126	SIGN	LEFT	GUIDE, CENTER RD
1.126	1.126	SIGN	LEFT	GUIDE, CENTER RD
1.127	1.127	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
1.127	1.127	SIGN	LEFT	REGULATORY, YIELD
1.128	1.163	CURB	RIGHT	
1.130	1.130	DROP INLET	LEFT	
1.135	1.135	DROP INLET	RIGHT	
1.145	1.164	CURB	LEFT	
1.146	1.146	DROP INLET	RIGHT	
1.152	1.152	SIGN	RIGHT	GUIDE, BACKCOUNTRY OFC. MASWIK LODGE CLINIC
1.152	1.152	SIGN	RIGHT	REGULATORY, PARKING AREAS D-E
1.153	1.153	SIGN	RIGHT	GUIDE, MARKET PLAZA PARK EXIT 64
1.165	1.165	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE) CUT-THRU
1.166	1.166	DROP INLET	RIGHT	
1.166	1.281	CURB	RIGHT	
1.167	1.167	SIGN	RIGHT	REGULATORY, SPEED LIMIT 20
1.168	1.199	CURB	LEFT	
1.198	1.198	SIGN	RIGHT	GUIDE, GRAND CANYON ASSOCIATION
1.202	1.202	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE) CUT-THRU
1.204	1.204	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.204	1.204	SIGN	RIGHT	GUIDE, CENTER RD
1.205	1.275	CURB	LEFT	
1.225	1.225	SIGN	RIGHT	REGULATORY, PARKING
1.274	1.274	SIGN	LEFT	REGULATORY, GRAPHIC SIGN, NO TEXT
1.278	1.278	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE) OPPOSITE LANE
1.280	1.280	DROP INLET	RIGHT	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500: VILLAGE LOOP DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.281	1.281	INTERSECTION	RIGHT	ROUTE 0432 (NAVAJO STREET)
1.281	1.281	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
1.281	1.281	SIGN	RIGHT	GUIDE, NAVAJO
1.283	1.320	CURB	LEFT	
1.287	1.307	CURB	RIGHT	
1.297	1.313	GUARD/GUIDE WALL	LEFT	
1.299	1.299	SIGN	RIGHT	REGULATORY, NO PARKING
1.305	1.305	INTERSECTION	RIGHT	ROUTE 0012 (SOUTH ENTRANCE ROAD) OPPOSITE LANE
1.307	1.307	FIRE HYDRANT	RIGHT	
1.307	1.307	SIGN	RIGHT	GUIDE, MARKET PLAZA SHOPPING CENTER PARK EXITS 64
1.307	1.307	SIGN	RIGHT	REGULATORY, PARKING AREAS A-B
1.307	1.307	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.310	1.310	DROP INLET	LEFT	
1.311	1.320	CURB	RIGHT	
1.314	1.314	DROP INLET	LEFT	
1.316	1.316	SIGN	RIGHT	GUIDE, EL TOVAR HOTEL BRIGHT ANGEL LODGE
1.320	1.320	SIGN	RIGHT	REGULATORY, STOP
1.320	1.320	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
1.320	1.320	INTERSECTION	RIGHT	ROUTE 0012 (SOUTH ENTRANCE ROAD)
1.320	1.320	DROP INLET	LEFT	
1.320	1.320	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE)
1.320	1.320	ROUTE END	N/A	TO END OF LOOP

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0501: VILLAGE LOOP BYPASS

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 0.55
0.000	0.000	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.000	0.310	ONE-WAY	N/A	
0.003	0.009	CURB	RIGHT	
0.010	0.010	SIGN	RIGHT	REGULATORY, NO PARKING THIS SIDE OF STREET
0.024	0.024	SIGN	LEFT	REGULATORY, NO PARKING THIS SIDE OF STREET
0.043	0.043	SIGN	RIGHT	REGULATORY, NO PARKING
0.051	0.051	SIGN	LEFT	REGULATORY, NO PARKING
0.053	0.060	RETAINING WALL	RIGHT	
0.061	0.066	RETAINING WALL	LEFT	
0.064	0.064	CULVERT	N/A	
0.066	0.066	SIGN	RIGHT	REGULATORY, NO PARKING
0.074	0.074	SIGN	LEFT	REGULATORY, NO PARKING
0.101	0.101	SIGN	LEFT	REGULATORY, NO PARKING TOW AWAY ZONE
0.101	0.101	SIGN	RIGHT	REGULATORY, NO PARKING TOW AWAY ZONE
0.118	0.118	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.131	0.131	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.134	0.134	SIGN	RIGHT	REGULATORY, NO PARKING
0.140	0.140	RAILROAD CROSSING	N/A	N/A
0.141	0.141	SIGN	LEFT	REGULATORY, NO PARKING
0.151	0.151	SIGN	LEFT	REGULATORY, NO PARKING
0.154	0.154	SIGN	RIGHT	WARNING, MULE XING
0.163	0.163	SIGN	LEFT	REGULATORY, ONE WAY
0.163	0.173	RETAINING WALL	LEFT	
0.166	0.166	SIGN	LEFT	REGULATORY, NO PARKING THIS SIDE OF STREET
0.183	0.183	SIGN	LEFT	REGULATORY, NO PARKING
0.199	0.199	INTERSECTION	RIGHT	ROUTE 0909 (SERVICE PARKING AREA)
0.201	0.220	RETAINING WALL	LEFT	
0.226	0.226	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.242	0.242	INTERSECTION	LEFT	UNPAVED PARKING
0.244	0.244	SIGN	RIGHT	REGULATORY, ONE WAY
0.245	0.245	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.252	0.252	CULVERT	N/A	

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0501: VILLAGE LOOP BYPASS

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.288	0.288	INTERSECTION	RIGHT	UNPAVED PARKING
0.290	0.290	SIGN	LEFT	REGULATORY, ONE WAY
0.292	0.292	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.294	0.294	SIGN	LEFT	REGULATORY, PARKING AREA D
0.296	0.296	SIGN	RIGHT	REGULATORY, ONE WAY
0.297	0.297	INTERSECTION	LEFT	UNPAVED PARKING
0.302	0.302	SIGN	RIGHT	GUIDE, MARKET PLAZA PARK EXITS BACKCOUNTRY INFO. MASWIK LODGE
0.304	0.309	CURB	LEFT	
0.308	0.310	CURB	RIGHT	
0.310	0.310	INTERSECTION	LEFT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.310	0.310	INTERSECTION	RIGHT	ROUTE 0500 (VILLAGE LOOP DRIVE)
0.310	0.310	SIGN	LEFT	REGULATORY, PARKING
0.310	0.310	SIGN	RIGHT	REGULATORY, STOP
0.310	0.310	ROUTE END	N/A	TO ROUTE 0500 (VILLAGE LOOP DRIVE) AT MP 1.07

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0601: ALBRIGHT AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0409 (BOULDER STREET) AT MP 0.11
0.000	0.000	SIGN	N/A	REGULATORY, ONE WAY TWO WAY
0.000	0.000	INTERSECTION	LEFT	ROUTE 0409 (BOULDER STREET)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0409 (BOULDER STREET)
0.000	0.000	SIGN	N/A	GUIDE, BOULDER ST
0.004	0.004	SIGN	RIGHT	REGULATORY, STOP
0.009	0.009	SIGN	LEFT	GUIDE, EL CRISTO REY RECTORY-CHAPEL
0.009	0.009	SIGN	LEFT	GUIDE, PARK IN SCHOOL LOT
0.025	0.025	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.025	0.025	SIGN	RIGHT	WARNING, SLOW CHILDREN
0.032	0.032	FIRE HYDRANT	LEFT	
0.060	0.060	CULVERT	N/A	
0.094	0.094	INTERSECTION	RIGHT	ROUTE 0408 (COCONINO ROAD)
0.099	0.099	SIGN	LEFT	GUIDE, COCONINO
0.099	0.099	SIGN	RIGHT	GUIDE, COCONINO ST
0.101	0.101	INTERSECTION	LEFT	ROUTE 0928 (COCONINO SCHOOL PARKING)
0.114	0.114	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.140	0.140	INTERSECTION	RIGHT	ROUTE 0416 (MUAV COURT)
0.149	0.149	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.149	0.149	SIGN	RIGHT	GUIDE, MUAV COURT
0.158	0.158	CULVERT	N/A	
0.165	0.165	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.168	0.168	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.194	0.194	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.196	0.196	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.233	0.233	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.248	0.248	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.287	0.287	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.291	0.291	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.292	0.292	INTERSECTION	RIGHT	ROUTE 0422 (SOUTH MOHAVE STREET)
0.295	0.295	SIGN	RIGHT	GUIDE, MOHAVE ST
0.296	0.296	INTERSECTION	LEFT	ROUTE 0995 (DAY CARE AND RECREATION CENTER PARKING)
0.296	0.296	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.337	0.337	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

GRCA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0601: ALBRIGHT AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.391	0.391	INTERSECTION	LEFT	ROUTE 0929 (DORMITORY PARKING)
0.391	0.391	INTERSECTION	RIGHT	ROUTE 0429 (NPS HOUSING ROAD)
0.408	0.408	CULVERT	N/A	
0.495	0.495	INTERSECTION	RIGHT	ROUTE 0930 (ALBRIGHT MAINTENANCE AREA PARKING)
0.525	0.525	INTERSECTION	LEFT	ROUTE 0204 (NPS ACADEMY LOOP ROAD)
0.533	0.533	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.533	0.533	SIGN	RIGHT	GUIDE, HORACE M. ALBRIGHT TRAINING CENTER
0.549	0.549	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.566	0.566	INTERSECTION	RIGHT	ROUTE 0930 (ALBRIGHT MAINTENANCE AREA PARKING)
0.585	0.585	INTERSECTION	LEFT	ROUTE 0204 (NPS ACADEMY LOOP ROAD)
0.591	0.591	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.597	0.597	SIGN	RIGHT	GUIDE, HORACE M. ALBRIGHT TRAINING CENTER SERVICE ENTRANCE MAIN ENTRANCE
0.612	0.612	CULVERT	N/A	
0.613	0.613	SIGN	RIGHT	REGULATORY, STOP
0.616	0.616	INTERSECTION	LEFT	ROUTE 0016 (CENTER ROAD)
0.616	0.616	INTERSECTION	RIGHT	ROUTE 0016 (CENTER ROAD)
0.620	0.620	SIGN	N/A	GUIDE, CENTER RD
0.620	0.620	ROUTE END	N/A	TO ROUTE 0016 (CENTER ROAD)

Grand Canyon National Park



Section 10 Appendix

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
AADT	(Annual Average Daily Traffic) The estimate of typical daily traffic on a road segment for all days of the week over the period of one year.
CRS	Condition Rating Sheets. (Section 5)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value from 61 to 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value from 85 to 94
IRI	International Roughness Index
Lane Width	Width from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MRR	Manually Rated Route
N/A	Not Applicable
NC	Not Collected
Paved Width	Width from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (Appendix B, Section 10)
Poor	Poor Rating with an index value of 60 or less
RCI	Roughness Condition Index
SADT	(Seasonal Annual Daily Traffic) The AADT adjusted to represent just the period of the year containing 80 percent of the total annual traffic.
SCR	Surface Condition Rating (Appendix B, Section 10)
Shoulder Width	Distance from fogline to hinge point, or if no fogline, from edge-of-pavement to hinge point.

APPENDIX B: DESCRIPTION OF RATING SYSTEM

A numerical roadway rating system is used to describe the overall condition of the paved roadways and paved parking areas. In this system, a numerical rating between 0 and 100 is ascribed to each 0.02 miles of road. This numerical rating is called a Pavement Condition Rating (PCR). A “perfect” road, newly constructed with no surface distresses and a smooth surface, would be assigned a PCR rating of 100. Based on the type, severity, and extent of surface distresses points are deducted from 100 to arrive at the final PCR.

Data is collected on the following distresses and conditions:

- **Alligator Cracking** - a series of interconnecting cracks resembling alligator skin or chicken wire, which can occur anywhere in the lane.
- **Longitudinal Cracking** - cracks which are parallel to the pavement centerline or asphalt lay-down direction.
- **Transverse Cracking** - cracks perpendicular to the pavement centerline.
- **Pothole (patch)** - a bowl-shaped hole in the pavement surface. May be patched or not.
- **Rutting** - surface depressions in the wheel paths.
- **Roughness** is collected as International Roughness Index (IRI) and is used in the PCR formula. Roughness is measured in inches of vertical displacement of the vehicle per mile traveled.

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

Calculation of Index Values

Note: Index values < 0 default to 0. Index values > 100 default to 100.

For all indices, a higher value indicates a better road condition, and a lower value indicates a poorer road condition.

All severity protocols are taken from the SHRP Distress Identification Manual.

Condition Ranges for all Indices

Excellent	>=95
Good	>=85 and <95
Fair	>60 and <85
Poor	<=60

Alligator Crack Index

$$AC_INDEX = 100 - 40 * [(\%LOW / 70) + (\%MED / 30) + (\%HI / 10)]$$

Where :

The values %LOW, %MED and %HI describe the percent of the total WX measured area that is affected by alligator cracking of each severity level. These values range from ≥ 0 to ≤ 100 .

$\%LOW$ = (Total square area WX measured low severity alligator cracking) / (Section length * WX measured lane width)

$\%MED = (\text{Total square area WX measured medium severity alligator cracking}) / (\text{Section length} * \text{WX measured lane width})$

$\%HI = (\text{Total square area WX measured high severity alligator cracking}) / (\text{Section length} * \text{WX measured lane width})$

The denominators 70, 30, and 10 are the maximum allowable extents for the numerator value in the same units. For example, low severity alligator cracking totaling 70% of the measured section area would alone fail that section of road for this index.

The threshold for failure for this index is $AC_INDEX = 60$.

Severity Levels:

Low severity alligator cracking describes an area of cracks with no or only a few connecting cracks; cracks are not spalled (cracked, broken, chipped, frayed along the cracks); pumping (water seepage from beneath the pavement through the cracks) is not evident. Any sealed alligator cracks are low severity alligator cracks, as long as the sealant is still in good condition. If the sealant has reopened, and the crack is visible and can be measured, the crack severity is assigned according to that measurement.

Medium severity alligator cracking describes an area of interconnected cracks forming a complete pattern; cracks may be slightly spalled; pumping is not evident.

High severity alligator cracking describes an area of moderately or severely spalled interconnected cracks forming a complete pattern; pieces may move when subjected to traffic; pumping may be evident.

Longitudinal Crack Index

$LC_INDEX = 100 - 40 * [(\%LOW / 350) + (\%MED / 200) + (\%HI / 75)]$

Where:

The values %LOW, %MED and %HI describe the length of longitudinal cracking of each severity as a percent of the section length. These values are ≥ 0 and can exceed 100.

$\%LOW = (\text{Total linear feet WX measured low severity longitudinal cracking}) / (\text{Section length in linear feet})$

$\%MED = (\text{Total linear feet WX measured medium severity longitudinal cracking}) / (\text{Section length in linear feet})$

$\%HI = (\text{Total linear feet WX measured high severity longitudinal cracking}) / (\text{Section length in linear feet})$

The denominators 350, 200, and 75 are the maximum allowable extents for the numerator value in the same units. For example, medium severity longitudinal cracking with a total length that is 200% of the length of the section would alone fail that section of road for this index.

The threshold for failure for this index is $LC_INDEX = 60$.

Severity Levels:

Low severity longitudinal cracks have a mean width $\leq 1/4''$, or are sealed cracks of indeterminate width whose sealant material is in good condition.

Medium severity longitudinal cracks have a mean width $> 1/4''$ and $\leq 3/4''$.

High severity longitudinal cracks have a mean width $> 3/4''$.

Transverse Crack Index

$$TC_INDEX = 100 - \{[20 * ((LOW / 15.1) + (MED / 7.5))] + [40 * (HI / 1.9)]\}$$

Where:

The values **LOW**, **MED** and **HI** describe a count of the total number of transverse cracks of each severity level, where one transverse crack unit is equal to the WX measured lane width. These values are ≥ 0 .

LOW = (Total linear feet WX measured low severity transverse cracking) / (WX measured lane width)

MED = (Total linear feet WX measured medium severity transverse cracking) / (WX measured lane width)

HI = (Total linear feet WX measured high severity transverse cracking) / (WX measured lane width)

The denominators **15.1**, **7.5**, and **1.9** are the maximum allowable extents for the numerator value in the same units. For example, high severity transverse cracking with a total length that amounts to 1.9 times the WX measured lane width would alone fail that section of road for this index.

The threshold for failure for this index is $TC_INDEX = 60$.

Severity Levels:

Low severity transverse cracks have a mean width $\leq 1/4$ " , or are sealed cracks of indeterminate width whose sealant material is in good condition.

Medium severity transverse cracks have a mean width $> 1/4$ " and $\leq 3/4$ " .

High severity transverse cracks have a mean width $> 3/4$ " .

Patching Index

$$PATCH_INDEX = 100 - 40 * (%PATCHING / 80)$$

Where:

The value **%PATCHING** describes the percent of the total WX measured area that is affected by patching. This value ranges from ≥ 0 to ≤ 100 .

%PATCHING = (Total area WX measured patching) / (Section length * WX measured lane width)

The denominator **80** is the maximum allowable extent for the numerator value in the same units. Patching totaling 80% or more of the measured section area fails a section of road for this index.

The threshold for failure for this index is $PATCH_INDEX = 60$.

There are no severity levels for patching.

Rutting Index

$$RUT_INDEX = 100 - 40 * [(%LOW / 160) + (%MED / 80) + (%HI / 40)]$$

Where:

10 ARAN rut depth measurements are taken per full .02 section for each of 2 wheel paths (left and right), resulting in a total of 20 measurements taken for both wheel paths. The values %LOW, %MED and %HI describe the number of ARAN rut depth measurements of both wheel paths in the section whose values are of each severity level, calculated as a percentage of the total number of ARAN rut depth measurements taken for a single wheel path in the section. These values range from ≥ 0 to ≤ 200 .

%LOW = (Total number of ARAN measured low severity ruts in section for both wheel paths) / (Total number of ARAN rut measurements in section for a single wheel path)

%MED = (Total number of ARAN measured medium severity ruts in section for both wheel paths) / (Total number of ARAN rut measurements in section for a single wheel path)

%HI = (Total number of ARAN measured high severity ruts in section for both wheel paths) / (Total number of ARAN rut measurements in section for a single wheel path)

The denominators 160, 80, and 40 are the maximum allowable extents for the numerator value in the same units. For example, low severity ruts recorded in 16 of the 20 total readings (or 160% of a full wheel path's worth of readings) for a full .02 section would fail that section for this index.

The threshold for failure for this index is RUT_INDEX = 60.

Severity Levels:

Ruts with an ARAN measured depth $< 0.20''$ are not included in the distress calculations.

Low severity ruts have an ARAN measured depth $\geq 0.20''$ and $\leq 0.49''$.

Medium severity ruts have an ARAN measured depth $\geq 0.50''$ and $\leq 0.99''$.

High severity ruts have an ARAN measured depth $\geq 1.00''$.

Roughness Condition Index

$$RCI = 32 * [5 * (2.718282 ^ (-0.0041 * AVG IRI))]$$

Where:

The value AVG IRI describes the average value of the Left IRI and Right IRI measurements for the section. This value can range from approximately 40 to over 1000.

$$AVG IRI = (ARAN \text{ measured Left IRI} + ARAN \text{ measured Right IRI}) / 2$$

There is no applicable threshold for failure for this index.

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

Surface Condition Rating Index

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

Where:

See above for determinations of [AC_INDEX](#), [LC_INDEX](#), [TC_INDEX](#), [PATCH_INDEX](#) and [RUT_INDEX](#).

The threshold for failure for this index is $SCR = 60$.

Pavement Condition Rating Index Asphaltic Concrete Pavement (AS)

$$PCR = (0.60 * SCR) + (0.40 * RCI)$$

Where:

See above for determinations of [SCR](#) and [RCI](#).

The values [0.60](#) and [0.40](#) function as weights within the formula.

If [SCR](#) equals zero (which means that the road surface condition is very poor), then the formula simply reduces to: $PCR = 0.40 * RCI$.

If [RCI](#) equals zero (which means that this value was not available for some reason), then the formula becomes: $PCR = SCR$.

The threshold for failure for this index is $PCR = 60$.

Pavement Condition Rating Index Portland Cement Concrete Pavement (CO)

$$\text{Concrete PCR} = -0.0012(IRI^2) + 0.0499(IRI) + 99.542$$

Where:

The threshold for failure for this index is $PCR = 60$.

Parking Lot and Manually Rated Road Condition Rating

Surface Condition Distresses- Chip Seal:

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

Ratings - Chip Seal:

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

Surface Condition - Asphalt:

- Cracking of any type
- Rutting
- Potholes/Patching

Ratings - Asphalt:

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

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

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

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

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

Under Construction 100

Excellent 97

Good 90

Fair 73

Poor 45

APPENDIX C: GENERAL INFORMATION ON RIP SYSTEMS

DMI (Distance Measuring Instrument)

The DMI (Distance Measuring Instrument) obtains road length measurements that are highly accurate (to 0.001 miles). The DMI is connected to the outside of the rear wheel on the driver's side, and is wired into the antilock braking system (ABS). The number of pulses recorded for each wheel rotation by the ABS is registered by the DMI, which transmits a measurement of distance traveled to the processing computers in the ARAN. The DMI distance measurements are the foundation to which all the other subsystems are tied.

Digital Image Information

All images collected in Cycle 4 are digital images in .jpg format. These images provide adequate resolution for identifying sign and feature inventories and pavement evaluations. The images can be viewed with an interactive software program called VisiData. Each park will receive a copy of the VisiData program. Cycle 4 data, as well as Cycle 3 data, can be viewed using the Visi-Data software program. This program is a data presentation and analysis tool that can be accessed either at the individual park, park region or at NPS headquarters. The data is organized in a hierarchical manner and presented in tabular and graphical formats. The user is able to perform queries and drill down through the data to find the particular information they are looking for. Associated digital right-of-way images from either the LAN, USB port, individual DVD can be presented along with GPS locations.

Right-of-way (ROW) Video

Three digital cameras are mounted above the vehicle's windshield that point directly forward and slightly to the left and right. These cameras each collect one image every 0.002 miles (10.56 feet) in the primary-direction lane, to give a panoramic field-of-view of about 160 degrees. (Forward-facing video from the center camera only is collected in the opposite-direction lane of travel.)

If data collection speed exceeds 35-40 mph, the network and storage computers may become overwhelmed and may begin to drop individual video frames. Occasional common video quality issues include sun glare and rapid changes between sunlight and shadow. The camera system is equipped with auto risers that sometimes cannot adjust quickly enough to collect optimal video images.

FHWA ARAN CAMERA SPECIFICATIONS	
Forward-Facing Cameras (ROW)	
Focal length	10 mm
Chip size	8.71mm X 6.90mm
Naming convention of each image	chainage.jpg
Image resolution	1300 X 1030
Image pixel size	depends on distance
Relative position of the GPS unit to each camera	2.104 meters from front-center rutbar to camera
<i>The ARAN has a lever arm setting which tells the POS system where the center of the rutbar is with respect to the GPS antennas.</i>	

Pavement Video

Pavement video images are collected by the data collection vehicle to use in later analysis to determine extents and severities of different types of pavement distress. The pavement in the primary-direction road lane is filmed continuously by two analog cameras attached to booms extended from the rear of the ARAN on the left and right sides. Strobe lights fire synchronously with the opening of the camera shutters to eliminate shadows and motion blur. The images from the two cameras overlap, and are stitched together in real time to create a continuous strip image of the pavement in the primary direction lane. This strip has a maximum width of 3.0 meters (actual width depends on pavement camera calibration) and is sectioned for ease of file management every 0.010 miles (52.8 feet).

The cameras both have a resolution of 640 x 480, making the threshold of visible pavement cracks about 3 mm. Because the cameras are triggered by time and not distance traveled, this subsystem requires a minimum operating speed of 6 mph, otherwise images are taken on top of one another and result in checkered or black pavement video.

FHWA ARAN CAMERA SPECIFICATIONS	
Pavement Cameras	
Image Pixel size	3.135 mm /side
Image Resolution	640 X 480
Area that images cover	1.5 m X 1.2 m
Full color or grayscale	grayscale
Vehicle speed limitations	80km/h
Aperture setting	Auto-iris
Exposure setting	1/50000

FHWA ARAN GPS & Inertial System

GPS is collected by a NovAtel MiLlennium, 12 channel, dual frequency L1/L2, DGPS ready receiver with a MiLlennium 502 GPS antenna. An OmniStar 3000 LR provides real-time differential correction. An Applanix POS/LV is the inertial system that fills in when GPS is unavailable. The antenna is mounted in the center of the roof, slightly toward the rear of the vehicle, but a lever arm is applied to place the operational location of GPS recording at the center of the rutbar on the front bumper of the vehicle. Expected accuracy under ideal conditions is sub meter.

GPS Collected on Manually Rated Routes

Parking areas and roads that are not fully drivable with the ARAN data collection vehicle are collected manually by field technicians. GPS is collected for these routes using GPS field data collection utilizes Trimble ProXRS or ProXH Receivers matched with Trimble TSC1 or Ranger handheld Data Loggers, connected to Trimble Hurricane Antennas giving sub meter accuracy in ideal conditions. This collection equipment has varied as technology has improved over the years of RIP data collection. Some GPS files collected as early as 1998 have been verified for accuracy and perpetuated through the current cycle of data collection.

GPS SHAPEFILES

Type of Route and Collection Shape Filename		
Roads driven by ARAN	Line	park_road_04.dbf/.shp/.shx
Parking Areas	Polygon	park_pkg_04.dbf/.shp/.shx
Roads Manually Rated as Lines (not in every park)	Line	park_mrl_04.dbf/.shp/.shx
Roads Manually Rated as Polygons (not in every park)	Polygon	park_mrp_04.dbf/.shp/.shx

- Datum for all GPS shapefiles is LL_WGS84_DD (Latitude Longitude _World Geodetic Survey 1984_Decimal Degrees)
- In filename, “park” is NPS four-letter alphabetic code.
- The source for route data required for data processing and report production is the PARK_RouteInfo.mdb.

Condition Photos Taken of Manually Rated Roads

One or more digital photos are taken by Canon Power Shot G2 4.0 Mega Pixel digital camera for each manually rated route in a National Park. They are stored in .jpg format named with the four-letter NPS park alphabetic code, route number, and the photo number assigned by the camera. For example, YOSE_0900_4434.jpg is the filename of the photo named 4434 by the camera that was taken of Yosemite National Park route 0900.

Scenic Photos

Scenic photos are taken by Canon Power Shot G2 4.0 Mega Pixel digital camera throughout each park and are named with the four-letter NPS park alphabetic code and the count of the photo taken in that park. For example, GRCA003.jpg is the filename of the third scenic photo taken in Grand Canyon National Park. The number of scenic photos provided will vary between parks.

APPENDIX D: METADATA

FHWA – NPS Road Inventory Program Cycle 4 Metadata

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

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

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

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

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

Specific Caveats

- MUTCD based on contents & colors of sign, not on size
- Database records that show a Portland Cement Concrete (CO) surface type sometimes include distress index values that seem to show a perfect roadway. Condition assessments on concrete pavements are not conducted for Alligator Cracking, Transverse or Longitudinal Cracking, Patching, or Rutting. Perfect values for concrete road sections for these indexes are default values and do not represent a condition assessment of the concrete surfaces.
- On the USB drive, in the Database folder, parks are provided with intersection lists and exceptions lists. These documents should be treated as raw files and are not accurate. Refer to the final database for accurately post-processed intersection data.
- Most roadway data is collected in the primary direction lane of a roadway. To save data storage space and to reduce data analysis efforts, the assumption was made that the paved surface condition of a route's primary lane adequately represents the surface condition of the full roadway. Therefore, in the database, opposite-direction records in the PMS_Tenth table do not include assessed values for roadway surface distresses. Values such as 0, N/A, -1, or a repeat of the primary-direction assessed value indicate that no assessment was performed. The PMS_20 and PMS_Mile tables simply exclude all opposite routes.

- Roadway Data is collected in intervals of 0.010 miles (52.8feet) constituting a “station”.
- Most roadway features are collected relative to the primary direction lane of a roadway, using the primary-direction video and mileage. Signs and Mile Markers are the only features collected using the opposite-direction video with mileage location referenced to the primary direction lane of the roadway.
- Route_GPS table contains GPS positional information collected by the ARAN and post processed with Applanix POSPac Land 5.0 post-processing software. No manual adjustments have occurred on this table.
- Modifications to the Park_ROAD_04.dbf/.shp/.shx files may have been necessary for report esthetics.
- Modifications to the Park_PKG_04.dbf/.shp/.shx files may have been necessary for report esthetics.
- Cycle 4 utilizes the Microsoft Office 2003 suite of products and Crystal Reports XI for document and data file generation and reporting.
- All PDF files are in Adobe Acrobat 7.0 Professional format.
- All ArcGIS files are created using ESRI Version 9.x software.
- Thumbnail images are created at 1/10 original image size for Right-of-Way and Pavement Images.
- FHWA is investigating the rutting methodology and calculated values it currently reports. Equipment limitations and analysis methods may be over reporting, low severity rutting.

Key to Notes in Tables

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

(2): Shoulder width is measured at route start and every half-mile along the route in the primary direction. Width is the entire width of the drivable shoulder, regardless of the presence or absence of pavement, from the fog line to the shoulder hinge point, or if no fog line exists, from the edge of pavement to the hinge point. Identification of shoulder hinge point can be problematic using video analysis. Some paved ditches may be mistakenly recorded as shoulders where the shoulder hinge point and change in slope are not easily distinguished from the video.

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

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

(5): Condition assessments on concrete (PCC) pavements are not conducted for Alligator Cracking, Transverse or Longitudinal Cracking, Patching, or Rutting. Perfect values for concrete road sections for these indexes are default values and do not represent a condition assessment of the concrete surfaces.

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

Access Database Metadata

MASTER Table Metadata:

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	RIP_CYCLE	XX	4, for data collection cycle 4	Route ID Meeting	FHWA Determination	100% Referenced to other tables
2	STATE	XX	State where route is located	Route ID Meeting	Park Input / FHWA Determination	100%, Referenced to other tables (1)
3	PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	100%, Referenced to other tables
4	PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	100%, Referenced to other tables
5	RTE_NO	9999XXX	Route number	Route ID Meeting	Park Input / FHWA Classification	100%, Referenced to other tables
6	RTE_NAME	(Text)	Route name	Route ID Meeting	Park Input	100%, Referenced to other tables. 100 characters fit in field
7	FUNCT_CLASS	X	Route functional classification	Route ID Meeting	Park Input / FHWA Classification	100%, Referenced to other tables
8	DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input / FHWA Determination	100%,
9	BEG_MP_EST	999.999 (miles)	Estimated starting MP	Route ID Meeting	Park Input / FHWA Determination	Estimated before data collected
10	END_MP_EST	999.999 (miles)	Estimated ending MP	Route ID Meeting	Park Input / FHWA Determination	Estimated before data collected
11	RTE_LENGTH	999.999 (miles)	Collected route length	ARAN Data Collection	Automatic Output	100%
12	FROM_DESC	(Text)	Beginning terminus of route	Route ID Meeting	Park Input / FHWA Determination	100% Referenced to other tables
13	TO_DESC	(Text)	Ending terminus of route	Route ID Meeting	Park Input / FHWA Determination	100% Referenced to other tables
14	NO_LANES	X	Number of lanes in route	ARAN Data Collection	Survey Crew Input	Untested. (1)
15	SURF_TYPE	XX	Surface type of route	ARAN Data Collection	Survey Crew Input	100%, Referenced to other tables (1)
16	COMP_DIR	XX	Compass direction of route's primary lane (nearest cardinal direction)	Route ID Meeting	Park Input / FHWA Determination	Untested
17	COMMENTS	(Text)	Special information, if any	Contractor Post-processing	Contractor Input	Untested
18	FILENAME	(Text)	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
19	SECTION	(Text)	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%

20	FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
21	DATE	MM/DD/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
22	BEG_MP	999.999 (miles)	Beginning MP collected	ARAN Data Collection	Automatic Output	100% (3)
23	END_MP	999.999 (miles)	Ending MP collected	ARAN Data Collection	Automatic Output	100% (3)

PMS_FEATURE Table Metadata:

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	RIP_CYCLE	XX	4, for data collection cycle 4	Route ID Meeting	FHWA Determination	100% Referenced to other tables
2	STATE	XX	State where route is located	Route ID Meeting	Park Input / FHWA Determination	Untested (1)
3	PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	100% Referenced to other tables
4	PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	100% Referenced to other tables
5	RTE_NO	9999XXX	Route number	Route ID Meeting	Park Input / FHWA Classification	100% Referenced to other tables
6	FMSS_EQUIP	XXXXXXXX	Facility Management Software System Equipment number	NPS FMSS application	NPS References	Untested
7	FUNCT_CLASS	X	Route functional class	Route ID Meeting	Park Input / FHWA Classification	100% Referenced to other tables
8	DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input / FHWA Determination	100%
9	MP	999.999 (miles)	Feature location along route	ARAN Data Collection/Contractor Post-processing	Video Analysis	<=0.001 mile
10	BEG_MP	999.999 (miles)	Feature Beginning location along route	Contractor Post-processing	Video Analysis	<=0.001 mile
11	END_MP	999.999 (miles)	Feature Ending location along route	Contractor Post-processing	Video Analysis	<=0.001 mile
12	FEATURE_LENGTH	999.99 (Feet)	Linear Feature Length	Contractor Post-processing	Database Processing	100%
13	EVENT	XXXX	Event category of feature	Contractor Post-processing	Video Analysis	Untested
14	EVENT_CODE	XXXX	Event sub-category of feature	Contractor Post-processing	Video Analysis	Untested
15	FEATURE_TYPE	(Text)	Feature designation: LINEAR or POINT	Contractor Post-processing	Video Analysis	Untested
16	EVENT_DESC	(Text)	Description of feature/contents of sign	Contractor Post-processing	Video Analysis	Untested
17	MUTCD	(Text)	MUTCD Code of Sign	Contractor Post-processing	Database Processing	95%
18	CONDITION	“N/A”	Sign condition. N/A. Not to be populated	Contractor Post-processing	Video Analysis	Values inaccurate, defaulted to “N/A”
19	COMMENT	(Text)	Sign label, intersecting route, etc.	Contractor Post-processing	Database Processing	Untested
20	OFFSET	“N/A”	Offset from Road Edge. N/A. Not to be populated	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to “N/A”

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
21	SIDE	(Text)	Side of route relative to lane driven	Contractor Post-processing	Video Analysis	95%
22	STR_NUMBER	(Text)	FHWA bridge structure number	FHWA Post-processing	Database Processing	Untested
23	BARR_MAT	(Text)	Barrier Material Type	Contractor Post-processing	Video Analysis	Untested
24	BARR_TYPE	(Text)	Barrier Type	Contractor Post-processing	Video Analysis	Untested
25	BARR_POST_MAT	(Text)	Barrier Post Materials	Contractor Post-processing	Video Analysis	Untested
26	BARR_BEG_TERM	(Text)	Barrier Approach Treatment	Contractor Post-processing	Video Analysis	Untested
27	BARR_END_TERM	(Text)	Barrier End Treatment	Contractor Post-processing	Video Analysis	Untested
28	CURB_MAT	(Text)	Curb Material Type	Contractor Post-processing	Video Analysis	Untested
29	PAVED_DITCH_MAT	(Text)	Paved Ditch Material Type	Contractor Post-processing	Video Analysis	Untested (2)
30	GATE_MAT	(Text)	Gate Material Type	Contractor Post-processing	Video Analysis	Untested
31	GATE_STYLE	(Text)	Gate Style	Contractor Post-processing	Video Analysis	Untested
32	BEG_GPS_LAT	999.999999	GPS Latitude Co-ordinate (decimal degrees)	Contractor Post-processing	Video Analysis	<= 3.00 feet
33	BEG_GPS_LON	-999.999999	GPS Longitude Co-ordinate (-decimal degrees)	Contractor Post-processing	Video Analysis	<= 3.00 feet
34	BEG_GPS_ELEV	99999.9	GPS Elevation Feet	Contractor Post-processing	Video Analysis	Untested
35	BEG_GPS_MODE	(Text)	GPS Satellite Mode	Contractor Post-processing	Video Analysis	Untested
36	END_GPS_LAT	999.999999	GPS Latitude Co-ordinate (decimal degrees)	Contractor Post-processing	Video Analysis	<= 3.00 feet
37	END_GPS_LON	-999.999999	GPS Longitude Co-ordinate (-decimal degrees)	Contractor Post-processing	Video Analysis	<= 3.00 feet
38	END_GPS_ELEV	99999.9	GPS Elevation Feet	Contractor Post-processing	Video Analysis	Untested
39	END_GPS_MODE	(Text)	GPS Satellite Mode	Contractor Post-processing	Video Analysis	Untested
40	DATUM	(Text)	LL_WGS84_DD	Contractor Post-processing	Database Processing	100%
41	VIDEO	<Park>C04VID<#>	Removable USB video hard drive number	Contractor Post-processing	Database Processing	Untested
42	IMAGE	(Text)	Filename of .jpg image showing feature	Contractor Post-processing	Automatic Output	Untested
43	DATE	MM/DD/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
44	FILENAME	(Text)	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
45	SECTION	(Text)	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
46	FKEY	(Numeric)	Unique record ID	Contractor Post-processing	Database Processing	100%
47	VISI_FROM	999999 (millimiles)	Raw MP of first video frame showing feature	Contractor Post-processing	Database Processing	Untested
48	VISI_TO	999999 (millimiles)	Raw MP of last video frame showing feature	Contractor Post-processing	Database Processing	Untested

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

List of Roadway Features						
#	EVENT	EVENT_CODE	FEATURE_TYPE	EVENT_DESC	STRUCTURE #	COLLECTED BY
1	BRIDGE	BRDG	LINEAR	BRIDGE	ALWAYS	ARAN
2	CATTLE GUARD	CGD	POINT	CATTLE GUARD	-	VIDEO RATING
3	CONSTRUCTION	CNST	LINEAR	CONSTRUCTION WORK ZONE	-	ARAN
4	CULVERT	CUL	POINT	CULVERT	SOMETIMES	ARAN
5	CURB	CRBL	LINEAR	CURB ON LEFT	-	VIDEO RATING
	""	CRBR	LINEAR	CURB ON RIGHT	-	VIDEO RATING
6	CURB-AND-GUTTER	CAGL	LINEAR	CURB-AND-GUTTER ON LEFT	-	VIDEO RATING
	""	CAGR	LINEAR	CURB-AND-GUTTER ON RIGHT	-	VIDEO RATING
7	DROP INLET	DINL	POINT	DROP INLET ON LEFT	-	ARAN
	""	DINR	POINT	DROP INLET ON RIGHT	-	ARAN
8	GATE	GATE	POINT	GATE	-	VIDEO RATING
9	FIRE HYDRANT	FHDL	POINT	FIRE HYDRANT ON LEFT	-	VIDEO RATING
	""	FHDR	POINT	FIRE HYDRANT ON RIGHT	-	VIDEO RATING
10	GUARD/GUIDE WALL	GGWL	LINEAR	GUARD/GUIDE WALL ON LEFT	-	VIDEO RATING
	""	GGWR	LINEAR	GUARD/GUIDE WALL ON RIGHT	-	VIDEO RATING
11	GUARD/GUIDE RAIL	GGRL	LINEAR	GUARD/GUIDE RAIL ON LEFT	-	VIDEO RATING
	""	GGRR	LINEAR	GUARD/GUIDE RAIL ON RIGHT	-	VIDEO RATING
12	INTERSECTION	INTL	POINT	INTERSECTION ON LEFT	-	ARAN
	""	INTR	POINT	INTERSECTION ON RIGHT	-	ARAN
	""	INTN	POINT	INTERSECTION SIDE N/A	-	ARAN

13	LANE DEVIATION	LADV	LINEAR	LANE DEVIATION	-	ARAN
14	LOW WATER CROSSING	LWCR	LINEAR	LOW WATER CROSSING	SOMETIMES	VIDEO RATING
15	MILE MARKER	MML	POINT	MILE MARKER ON LEFT	-	VIDEO RATING
	""	MMR	POINT	MILE MARKER ON RIGHT	-	VIDEO RATING
16	OVERPASS	OPV	POINT	OVERPASS VEHICULAR	SOMETIMES	ARAN
	""	OPP	POINT	OVERPASS PEDESTRIAN	SOMETIMES	ARAN
	""	OPRX	POINT	OVERPASS RAILROAD CROSSING	SOMETIMES	ARAN
17	PARK BOUNDARY	PRK	POINT	PARK BOUNDARY	-	ARAN
18	PAVED DITCH	PVDL	LINEAR	PAVED DITCH ON LEFT	-	VIDEO RATING
	""	PVDR	LINEAR	PAVED DITCH ON RIGHT	-	VIDEO RATING
19	PULLOUT	PLOL	LINEAR	PULLOUT ON LEFT	-	VIDEO RATING
	""	PLOR	LINEAR	PULLOUT ON RIGHT	-	VIDEO RATING
20	RAILROAD CROSSING	RRX	POINT	RAILROAD CROSSING	-	VIDEO RATING
21	RETAINING WALL	RTWL	LINEAR	RETAINING WALL ON LEFT	-	VIDEO RATING
	""	RTWR	LINEAR	RETAINING WALL ON RIGHT	-	VIDEO RATING
22	ROUTE BEGIN	RBEG	POINT	ROUTE BEGIN	-	ARAN
23	ROUTE END	REND	POINT	ROUTE END	-	ARAN
24	SIGN	REGU, WARN, GUID, UNKN	POINT	DOCUMENT CONTENTS OF SIGN. (WHAT THE SIGN SAYS) FOR GRAPHICS ONLY SIGNS POPULATED WITH ("GRAPHIC SIGN, NO TEXT") FOR UNREADABLE TEXT POPULATED WITH ("UNABLE TO READ FROM VIDEO")	-	VIDEO RATING
25	STATE BOUNDARY	STB	POINT	STATE BOUNDARY	-	ARAN
26	TRAFFIC LIGHT	TRF	POINT	TRAFFIC LIGHT	-	VIDEO RATING
27	TUNNEL	TUN	LINEAR	TUNNEL	ALWAYS	ARAN

PMS_20, PMS_MILE, & PMS_TENTH Tables Metadata:

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	RIP_CYCLE	XX	4, for RIP data collection Cycle 4	Route ID Meeting	FHWA Determination	100% Referenced to other tables
2	STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
3	PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	100% Referenced to other tables
4	PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	100% Referenced to other tables
5	RTE_NO	9999XXX	Route number	Route ID Meeting	Park Input/FHWA Classification	100% Referenced to other tables
6	FUNCT_CLASS	X	Route functional class	Route ID Meeting	Park Input/FHWA Classification	100% Referenced to other tables
7	DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	100%
8	BEG_MP	999.999 (miles)	MP at start of road interval described by database record	Contractor Post-processing	Database Processing	100% (3)
9	END_MP	999.999 (miles)	MP at end of road interval described by database record	Contractor Post-processing	Database Processing	100% (3)
10	INT_LENGTH	999.9 (ft)	Length of road interval as aggregated for data table	Contractor Post-processing	Database Processing	100%
11	RTE_LENGTH	999.999 (miles)	Collected route length	ARAN Data Collection	Automatic Output	100% (3)
12	NO_LANES	99	Number of lanes in route	ARAN Data Collection	Survey Crew Input	Untested. (1)
13	LANE_NO	99	Data collection lane	Contractor Post-processing	Database Processing	Untested
14	D_LANE_WIDTH	99.999 (ft)	WiseCrax (crack detection software) analysis width	Contractor Post-processing	Automatic Output	Untested
15	LANE_WIDTH	99.9 (ft)	Width of lane	Contractor Post-processing	Video Analysis	95%, <=1.0 foot
16	PAVE_WIDTH	99.9 (ft)	Full pavement width	Contractor Post-processing	Video Analysis	95%, <=1.0 foot
17	SHLD_WIDTH_L	99.9 (ft)	Left shoulder width	Contractor Post-processing	Video Analysis	95%, <=1.0 foot (2)
18	SHLD_WIDTH_R	99.9 (ft)	Right shoulder width	Contractor Post-processing	Video Analysis	95%, <=1.0 foot (2)
19	SHLD_COND_L	N/A	N/A. Intended to be Left shoulder condition	ARAN Data Collection	Survey Crew Input	Values inaccurate, defaulted to "N/A"
20	SHLD_COND_R	N/A	N/A. Intended to be Right shoulder condition	ARAN Data Collection	Survey Crew Input	Values inaccurate, defaulted to "N/A"
21	DRAIN_COND_L	N/A	N/A. Intended to be Left drainage condition	ARAN Data Collection	Survey Crew Input	Values inaccurate, defaulted to "N/A"
22	DRAIN_COND_R	N/A	N/A. Intended to be Right drainage condition	ARAN Data Collection	Survey Crew Input	Values inaccurate, defaulted to "N/A"

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
23	SURF_TYPE	XX	Surface type of route	ARAN Data Collection	Survey Crew Input	Untested. (1)
24	PCR	999	Pavement Condition Rating	Contractor Post-processing	Database Processing	100% for calculation (6)
25	RCI	999	Roughness Condition Index; -1 if invalid IRI	Contractor Post-processing	Database Processing	100% for calculation
26	SCR	999	Surface Condition Rating	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
27	IRI_AVG	999.9 (inches/mile)	Average IRI	Contractor Post-processing	Database Processing	Untested
28	IRI_SD	999.9 (inches/mile)	IRI standard deviation	Contractor Post-processing	Database Processing	Untested
29	IRI_L	999.9 (inches/mile)	Left wheel path IRI	ARAN Data Collection	Automatic Output	Untested
30	IRI_R	999.9 (inches/mile)	Right wheel path IRI	ARAN Data Collection	Automatic Output	Untested
31	IRI_FLAG	0 or -1	-1 if invalid IRI data	Contractor Post-processing	Database Processing	Untested
32	RUT_INDEX	999	Rut index	Contractor Post-processing	Database Processing	100% for calculation (5)
33	RUT_AVG	99.99 (inches)	Average rut depth of both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
34	RUT_MAX	99.99 (inches)	Maximum rut depth of both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
35	RUT_SD	9.9	Rut depth standard deviation	Contractor Post-processing	Database Processing	Untested (5)
36	RUT_LOW	999 (%)	Percent of low severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
37	RUT_MED	999 (%)	Percent of medium severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
38	RUT_HI	999 (%)	Percent of high severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
39	XFALL	999.9 (% slope)	Cross fall at start of road interval	ARAN Data Collection	Automatic Output	Untested
40	GRADE	999.9 (% slope)	Grade at start of road interval	ARAN Data Collection	Automatic Output	Untested
41	AC_INDEX	999	Alligator cracking index	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
42	AC_LOW	999.9999 (%)	Percent of WiseCrax measured lane area with low-severity alligator cracking	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
43	AC_MED	999.9999 (%)	Percent of WiseCrax measured lane area with medium-severity alligator cracking	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
44	AC_HI	999.9999 (%)	Percent of WiseCrax measured lane area with high-severity alligator	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
			cracking			
45	LC_INDEX	999	Longitudinal cracking index	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
46	LC_LOW	999.99 (%)	Low-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
47	LC_MED	999.99 (%)	Medium-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
48	LC_HI	999.99 (%)	High-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
49	TC_INDEX	999	Transverse cracking index	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
50	TC_LOW	999.99 (cracks)	Count of low-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
51	TC_MED	999.99 (cracks)	Count of medium-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
52	TC_HI	999.99 (cracks)	Count of high-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
53	PATCH_INDEX	999	Patching index	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
54	PATCHING	999.9999 (%)	Percent of WiseCrax measured lane area affected by patching	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
55	GPS_LAT	999.999999	Latitude coordinate	ARAN Data Collection	Automatic Output	<= 3.00 feet
56	GPS_LON	-999.999999	Longitude coordinate	ARAN Data Collection	Automatic Output	<= 3.00 feet
57	GPS_ELEV	99999.9	Elevation	ARAN Data Collection	Automatic Output	Untested
58	GPS_MODE	XXX	GPS Satellite Mode during collection	ARAN Data Collection	Automatic Output	Untested
59	DATUM	(Text)	LL_WGS84_DD	ARAN Data Collection	Database Processing	100%
60	VIDEO	<Park>C04VID<#>	Removable USB video hard	Contractor Post-processing	Database Processing	Untested

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
			drive number			
61	IMAGE	(Text)	Filename of .jpg image showing road interval	Contractor Post-processing	Automatic Output	Untested
62	SPEED	999 (miles/hour)	Average ARAN speed during data collection	ARAN Data Collection	Automatic Output	Untested
63	BRIDGE_FLAG	0 or 1	Flag indicating presence of bridge in interval	ARAN Data Collection	Survey Crew Input	Untested
64	CONSTR_FLAG	0 or 1	Flag indicating construction in interval	ARAN Data Collection	Survey Crew Input	Untested
65	LANEDEV_FLAG	0 or 1	Flag indicating lane deviation in interval	ARAN Data Collection	Survey Crew Input	Untested
66	DATE	MM/DD/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
67	NODISTRESS	0 OR 1	Flag indicating absence of pavement distress	Contractor Post-processing	Database Processing	100%
68	FILENAME	(Text)	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
69	SECTION	(Text)	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
70	FKEY	(Numeric)	Unique record ID	Contractor Post-processing	Database Processing	100%
71	CONTRACTOR1	(Numeric)	Raw MP of first video frame in section	Contractor Post-processing	Database Processing	Untested
72	CONTRACTOR2	(Numeric)	Raw MP of last video frame in section	Contractor Post-processing	Database Processing	Untested
73	CONTRACTOR3	(Text)	Unique record ID used by VisiData	Contractor Post-processing	Database Processing	Untested
74	CONTRACTOR4	(Text)	Range of mileage to play in VisiData	Contractor Post-processing	Database Processing	Untested

ROUTE_GPS table metadata:

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	RIP_CYCLE	XX	4, for RIP data collection Cycle 4	Route ID Meeting	FHWA Determination	100% referenced to other tables
2	STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested
3	PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	100% Referenced to other tables
4	PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	100% Referenced to other tables
5	RTE_NO	9999XXX	Route number	Route ID Meeting	Park Input/FHWA Classification	100% Referenced to other tables
6	FUNCT_CLASS	X	Route functional classification	Route ID Meeting	Park Input/FHWA Classification	100% Referenced to other tables
7	RTE_NAME	(Text)	Route name	Route ID Meeting	Park Input	100% Referenced to other tables . 100 characters fit in field
8	LANE_NUMBER	99	Data collection lane	Contractor Post-processing	Database Processing	Untested
9	DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
10	MP	999.999	Mile Post (at 0.01 record)	ARAN Data Collection, Contractor Post-processing	Survey Crew Input/GPS Processing	Untested (3)
11	GPS_LAT	999.999999	GPS Latitude Co-ordinate (decimal degrees)	ARAN Data Collection, Contractor Post-processing	Automatic Output	<= 3.00 feet
12	GPS_LON	-999.999999	GPS Longitude Co-ordinate (-decimal degrees)	ARAN Data Collection, Contractor Post-processing	Automatic Output	<= 3.00 feet
13	GPS_ELEV	99999.9	Elevation	ARAN Data Collection, Contractor Post-processing	Automatic Output	Untested
14	GPS_MODE	XXX	GPS Satellite Mode during collection	ARAN Data Collection, Contractor Post-processing	Automatic Output	Untested
15	XFALL	999.9	Cross Fall: % Slope at GPS Location (Caution, Data not Validated)	ARAN Data Collection, Contractor Post-processing	Automatic Output	Untested
16	GRADE	999.9	Grade: % Slope at GPS Location (Caution, Data not Validated)	ARAN Data Collection, Contractor Post-processing	Automatic Output	Untested
17	HEADING	999.9	Heading Relative to True North	ARAN Data Collection	Automatic Output	Untested
18	DATUM	(Text)	LL_WGS84_DD	ARAN Data Collection	Database Processing	Untested
19	FILENAME	(Text)	Filename of raw data files	ARAN Data Collection	Automatic Output	Untested
20	FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	Untested

21	DATE	MM/DD/YY	ARAN Data Collection Date	ARAN Data Collection	Automatic Output	Untested
22	COMMENT	(Text)	Source of Any Digitized Data	ARAN Data Collection	Database Processing	Untested
23	CONTRACTOR1	(Numeric)	Visi_from	Contractor Post-processing	Database Processing	Untested
24	CONTRACTOR2	(Numeric)	Visi_to	Contractor Post-processing	Database Processing	Untested
25	CONTRACTOR3	(Text)	Visi_dir (ipdated to chapter 1)	Contractor Post-processing	Database Processing	Untested
26	CONTRACTOR4	(Text)	Comments/exceptions	Contractor Post-processing	Database Processing	Untested

FHWA "Route ID Program" Database
Database Name: ROUTEINFO.mdb
Table Name: ROUTE_ID

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	ROUTE_IDENT	XXXX-9999XXX	The Park's Alpha Code + "-" + RTE_NO (below).	Route ID Meeting	Automatic Output	100%, Reference source for all tables
2	RIP_CYCLE	99	4, for RIP data collection Cycle 4	Route ID Meeting	FHWA Determination	100%, Reference source for all tables
3	PARK_ALPHA	XXXX	Park Alpha Code	Route ID Meeting	NPS References	100%, Reference source for all tables
4	GROUP_ALPHA	XXXX	Group Alpha Code	Route ID Meeting	NPS References	100%, Reference source for all tables
5	PARK_NO	9999	Park Numeric Code	Route ID Meeting	NPS References	100%, Reference source for all tables
6	PARK_NAME	(text)	NPS Name of Park	Route ID Meeting	NPS References	100%, Reference source for all tables
7	RTE_NO	9999XXX	Route Number	Route ID Meeting	Park Input	100%, Reference source for all tables
8	RTE_NAME	(Text)	Route Name	Route ID Meeting	Park Input	100%, Reference source for all tables
9	FROM_DESC	(Text)	Beginning terminus of route	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
10	TO_DESC	(Text)	Ending terminus of route	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
11	INSP_DATE	MM/DD/YYYY	Collection Date	ARAN Data Collection	FHWA Determination	100%, Reference source for all tables
12	FUNCT_CLASS	XX	Functional Class	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
13	STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested (1)
14	STATE2	XX	Additional State Park Route traverses	Route ID Meeting	Park Input/FHWA Determination	Untested (1)
15	FMSS_NO	(Text)	NPS's Facility Management Software System (FMSS) Asset number	Route ID Meeting	Park Input	100%, Reference source for all tables
16	FMSS_SUR_EQP	(Text)	FMSS Surface Equipment Number	Route ID Meeting	Park Input	Untested
17	M_DISTRICT	(Text)	Park Maintenance District Route resides in	Route ID Meeting	Park Input	100%, Reference source for all tables (1)
18	TOPOGRAPHY	(Text)	Predominate Terrain condition for	Route ID Meeting	FHWA Determination	100%, Reference source for all

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
			Route. (FLAT, ROLLING, MOUNTAINOUS, or URBAN)			tables (1)
19	POSTED_SPEED	99	Posted Speed Limit for Route (Value is Predominate Speed Limit along Route)	Route ID Meeting	Park Input/FHWA Determination	Untested (1)
20	ARAN_ROUTE	XXX	Yes/No	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
21	PARKING_AREA	XXX	Yes/No	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
22	CONCESSION	XXX	Yes/No	Route ID Meeting	Park Input	100%, Reference source for all tables
23	PAVED_MI	999.999	Paved mileage (to the nearest 0.001)	ARAN Data Collection	Automatic Output	100%, Reference source for all tables
24	UNPAVED_MI	999.999	Unpaved mileage (to the nearest 0.001)	Route ID Meeting	Automatic Output	100%, Reference source for all tables
25	RTE_LENGTH	999.999	Official Route Length	Contractor Post-processing	Automatic Output	100%, Reference source for all tables
26	SURF_TYPE	XX	Surface type (PAVED: AS (asphalt, includes composite), CO (concrete), BR (brick/pavers), CB (cobblestone), OT (other))	Route ID Meeting	Survey Crew Input	100%, Reference source for all tables (1)
27	UNPAVED	XXXX	Unpaved Route (Yes/No/Both)	Route ID Meeting	Automatic Output	100%, Reference source for all tables
28	UNPAVED_CAT	XXX	Unpaved Road Category	Route ID Meeting	Automatic Output	Untested
29	CURB	(Text)	Parking Area with Curb around perimeter.	Route ID Meeting	Park Input/FHWA Determination	Untested
30	CURB_GUTTER	(Text)	Parking Area with Curb and Gutter around perimeter.	Route ID Meeting	Park Input/FHWA Determination	Untested
31	ADJ_ROUTE	9999XXX	Route number	Route ID Meeting	Automatic Output	100%, Reference source for all tables
32	USER_ACCESS	(Text)	Access Designation for Parking	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
33	PHOTO_NO	(Text)	Photo or Image	Route ID Meeting	Survey Crew Input	100%, Reference source for all tables
34	PLOT_SIZE	(Text)	Unpaved Parking Area Size	Route ID Meeting	Automatic Output	100%, Reference source for all tables
35	SQ_FEET	999.999	Route Square Footage	Contractor Post-processing	Automatic Output	100%, Reference source for all tables
36	M_RATING	(Text)	Manual Rating	Route ID Meeting	Automatic Output	100%, Reference source for all tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
37	SQ_YARDS	999.999	Route Square Yardage	Contractor Post-processing	Automatic Output	100%, Reference source for all tables
38	LANES	XX	Route travel lanes	Route ID Meeting	Automatic Output	Untested (1)
39	PAVE_WIDTH	999.99	Pavement Width (Weighted average)	RIP Post-processing	Automatic Output	100% Referenced to other tables
40	LANE_MILES	999.999	Route Equivalent Lane Miles	RIP Post-processing	Automatic Output	100%, Reference source for all tables
41	AREA_MAP	(Text)	1 or 2-digit number	Contractor Post-processing	FHWA/Contractor Input	100%, Reference source for all tables
42	REMARKS	(Memo)	General remarks on Park route and data collection operations.	Contractor Post-processing	FHWA/Contractor Input	Untested
43	SUMMARY_REC	XXXX-9999XXX	ROUTE_IDENT of summary Park Asset	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
44	NPS_REGION	(Text)	Park Region	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
45	DIVISION	(Text)	FHWA Division	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
46	PCR	999.99	Route Weighted Average PCR value	RIP Post-processing	Automatic Output	100% Referenced to other tables
47	SCR	999.99	Route Weighted Average SCR value	RIP Post-processing	Automatic Output	100% Referenced to other tables
48	AADT	999	Average Adjusted Daily Traffic	RIP	Automatic Output	Untested
49	SADT	999	Seasonal Adjusted Daily Traffic	RIP	Automatic Output	Untested
50	ADT_DATE	MM/DD/YYYY	Traffic Date of Collection	RIP	Automatic Output	Untested
51	BEG_LAT	999.999999	Route Begin GPS Latitude Coordinate (decimal degrees)	ARAN Data Collection	Automatic Output	<= 3.00 feet, Referenced from other tables
52	BEG_LON	-999.999999	Route Begin GPS Longitude Coordinate (-decimal degrees)	ARAN Data Collection	Automatic Output	<= 3.00 feet, Referenced from other tables
53	BEG_ELEV	99999.9	Route Begin Elevation	ARAN Data Collection	Automatic Output	100% Referenced to other tables
54	BEG_MODE	XXX	Route Begin GPS Satellite Mode during collection	ARAN Data Collection	Automatic Output	100% Referenced to other tables
55	END_LAT	999.999999	Route End GPS Latitude Coordinate (decimal degrees)	ARAN Data Collection	Automatic Output	<= 3.00 feet, Referenced from other tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
56	END_LON	-999.999999	Route End GPS Longitude Co-ordinate (-decimal degrees)	ARAN Data Collection	Automatic Output	<= 3.00 feet, Referenced from other tables
57	END_ELEV	99999.9	Route End Elevation	ARAN Data Collection	Automatic Output	100% Referenced to other tables
58	END_MODE	XXX	Route End GPS Satellite Mode during collection	ARAN Data Collection	Automatic Output	100% Referenced to other tables
59	DATUM	(Text)	LL_WGS84_DD	ARAN Data Collection	Automatic Output	100% Referenced to other tables
60	CHILD_ROUTE	XXX	Yes/No	Route ID Meeting	Automatic Output	100% Reference source for all tables
61	CULVERT_CNT	999	Route Culvert Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
62	DROP_INLET_CNT	999	Route Drop Inlet Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
63	GATE_CNT	999	Route Gate Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
64	TRAFLIGHT_CNT	999	Route Traffic Light Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
65	SIGN_CNT	999	Route Sign Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
66	LWCROSS_CNT	999	Route Low Water Crossing Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
67	BRIDGE_CNT	999	Route Bridge Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
68	TUNNEL_CNT	999	Route Tunnel Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
69	PULLOUT_CNT	999	Route Pullout Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
70	INTERSEC_CNT	999	Route Intersection Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
71	ST_BNDRY_CNT	999	Route State Boundary Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
72	PRK_BNDRY_CNT	999	Route Park Boundary Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
73	RETWALL_CNT	999	Route Retaining Wall Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
74	RR_CROSS_CNT	999	Route RR Crossing Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
75	CATTLE_CNT	999	Route Cattle Guard Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
76	OVHDSIGN_CNT	999	Route Overhead Sign Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
77	MILEMARK_CNT	999	Route Mile Marker Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
78	FHYD_CNT	999	Route Fire Hydrant Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
79	OVERPASS_CNT	999	Route Overpass Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
80	CABLE_TLNG	9999.999 (ft)	Route Total Length Cable Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
81	GDRAIL_TLNG	9999.999 (ft)	Route Total Length Guard/Guide Rail Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
82	GDWALL_TLNG	9999.999 (ft)	Route Total Length Guard/Guide Wall Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
83	TEMP_BARR_TLNG	9999.999 (ft)	Route Total Length Temporary Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
84	BOLLARD_TLNG	9999.999 (ft)	Route Total Length Bollard Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
85	BARRIER_TLNG	9999.999 (ft)	Route Total Length All Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
86	CURB_TLNG	9999.999 (ft)	Route Total Length Curbing (excludes Parking Areas)	RIP Post-processing	Automatic Output	100% Referenced to other tables
87	LWCROSS_TLNG	9999.999 (ft)	Route Total Length Low Water Crossings	RIP Post-processing	Automatic Output	100% Referenced to other tables
88	PAVDITCH_TLNG	9999.999 (ft)	Route Total Length Paved Ditch	RIP Post-processing	Automatic Output	100% Referenced to other tables (2)
89	TURNOUT_TLNG	9999.999 (ft)	Route Total Length Turnouts	RIP Post-processing	Automatic Output	100% Referenced to other tables
90	LANE_NUMBER	99	Number of Lane Tested	RIP Post-processing	Automatic Output	100% Referenced to other tables
91	LOCAL_FACTOR	9.9999	Park Location Factor	NPS Partner	Automatic Output	100% Reference source for all tables
92	E_ZONE	XXX	Route Environmental Zone	FHWA HPMA	Automatic Output	100% Reference source for all tables
93	PAVEMENT_DM	\$99,999,999.99	Pavement Deferred Maintenance	FHWA HPMA	Automatic Output	100% Reference source for all tables
94	CRV	\$99,999,999.99	Current Replacement Value	RIP Post-processing	Automatic Output	100% Reference source for all tables

Database Name: ROUTEINFO.mdb

Table Name: PARK_TOTALS

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	RIP_CYCLE	99	4, for RIP data collection Cycle 4	Route ID Meeting	FHWA Determination	100% Referenced to other tables
2	PARK_ALPHA	XXXX	Park Alpha Code	Route ID Meeting	FHWA Determination	100% Referenced to other tables
3	GROUP_ALPHA	XXXX	Group Alpha Code	Route ID Meeting	NPS References	100% Referenced to other tables
4	PARK_NO	9999	Park Numeric Code	Route ID Meeting	NPS References	100% Referenced to other tables
5	PARK_NAME	XXXX	NPS Name of Park	Route ID Meeting	NPS References	100% Referenced to other tables
6	INSP_DATE	MM/DD/YYYY	Date that data was collected in the park (completion date).	Route ID Meeting and ARAN Data Collection	FHWA Determination	100% Referenced to other tables
7	NPS_REGION	XXXX	Park Region	Route ID Meeting	Park Input	100% Referenced to other tables
8	DIVISION	XXXX	FHWA Division	Route ID Meeting	FHWA Determination	100% Referenced to other tables
9	T_PAVED_MI	999.999	Total Park Paved Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
10	T_UNPAVED_MI	999.999	Total Park Unpaved Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
11	T_ROUTE_MILES	999.999	Total Park Route Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
12	T_ARAN_DRIVEN	999.999	Total Park ARAN Driven Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
13	T_ARAN_LMILES	999.999	Total Park ARAN Lane Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
14	T_CONCESS_PAVED	999.999	Total Park Concession Paved Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
15	T_CONCESS_UNPAVED	999.999	Total Park Concession Unpaved Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
16	T_PRK_PAVEDSQFT	999.999	Total Park Parking Paved Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
17	T_PRK_UNPAVEDSQFT	999.999	Total Park Parking Unpaved Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
18	T_CPRK_PAVEDSQFT	999.999	Total Park Concession Parking Paved Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
19	T_CPRK_UNPAVEDSQFT	999.999	Total Park Concession Parking Unpaved Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
20	T_PARKING_SQFT	999.999	Total Park Parking Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
21	T_PARKING_LMILES	999.999	Total Park Parking Equivalent Lane Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
22	T_MRR_SQFT	999.999	Total Park Manually Rated Road Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
23	T_CMRR_SQFT	999.999	Total Park Concession Manually Rated Road Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
24	T_MRR_LMILES	999.999	Total Park Manually Rated Road Equivalent Lane Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
25	T_LMILES	999.999	Total Park Lane Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
26	T_CULVERT_CNT	999	Total Park Culvert Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
27	T_DROP_INLET_CNT	999	Total Park Drop Inlet Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
28	T_GATE_CNT	999	Total Park Gate Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
29	T_TRAFLIGHT_CNT	999	Total Park Traffic light Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
30	T_SIGN_CNT	999	Total Park Sign Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
31	T_LWCROSS_CNT	999	Total Park Low Water Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
32	T_BRIDGE_CNT	999	Total Park Bridge Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
33	T_TUNNEL_CNT	999	Total Park Tunnel Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
34	T_PULLOUT_CNT	999	Total Park Pullout Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
35	T_INTERSEC_CNT	999	Total Park Intersections Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
36	T_ST_BNDRY_CNT	999	Total Park State Boundaries Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
37	T_PRK_BNDRY_CNT	999	Total Park Boundaries Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
38	T_RETWALL_CNT	999	Total Park Retaining Wall Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
39	T_RR_CROSS_CNT	999	Total Park RR Crossing Count	RIP Post-processing	Automatic Output	100% Referenced to other

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
						tables
40	T_CATTLE_CNT	999	Total Park Cattle Guard Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
41	T_OVHDSIGN_CNT	999	Total Park Overhead Sign Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
42	T_MILEMARK_CNT	999	Total Park Mile Marker Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
43	T_FHYD_CNT	999	Total Park Fire Hydrant Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
44	T_OVERPASS_CNT	999	Total Park Overpass Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
45	T_CABLE_TLNG	9999.999 (ft)	Total Length Park Cable Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
46	T_GDRAIL_TLNG	9999.999 (ft)	Total Length Park Guard/Guide Rail Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
47	T_GDWALL_TLNG	9999.999 (ft)	Total Length Park Guard/Guide Wall Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
48	T_TEMP_BARR_TLNG	9999.999 (ft)	Total Length Park Temporary Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
49	T_BOLLARD_TLNG	9999.999 (ft)	Total Length Park Bollard Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
50	T_BARRIER_TLNG	9999.999 (ft)	Total Length All Park Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
51	T_CURB_TLNG	9999.999 (ft)	Total Length Park Curbing	RIP Post-processing	Automatic Output	100% Referenced to other tables
52	T_LWCROSS_TLNG	9999.999 (ft)	Total Length Park Low Water Crossings	RIP Post-processing	Automatic Output	100% Referenced to other tables
53	T_PAVDITCH_TLNG	9999.999 (ft)	Total Length Park Paved Ditches	RIP Post-processing	Automatic Output	100% Referenced to other tables (2)
54	T_TURNOUT_TLNG	9999.999 (ft)	Total Length Park Turnouts	RIP Post-processing	Automatic Output	100% Referenced to other tables
55	PARK_PCR	99.99	Overall Park PCR Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
56	PARK_RCI	99.99	Overall Park RCI Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
57	PARK_SCR	99.99	Overall Park SCR Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
58	PARK_RUT_INDEX	99.99	Overall Park Rutting Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
59	PARK_AC_INDEX	99.99	Overall Park Alligator Cracking Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
60	PARK_LC_INDEX	99.99	Overall Park Longitudinal Cracking Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
61	PARK_TC_INDEX	99.99	Overall Park Transverse Cracking Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
62	PARK_PATCH_INDEX	99.99	Overall Park Patching Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
63	PARK_CONC_PCR	99.99	Overall Park Concession PCR Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables

Business Practices for Route Numbering and Roadway Asset Identification

Introduction and Background:

Beginning in November 2006, inventory and condition information gathered by the Federal Highway Administration (FHWA) has been stored in FMSS to enable NPS to report Deferred Maintenance (DM) and Current Replacement Value (CRV) for NPS paved roads, paved parking areas, bridges, and tunnels. The NPS Roads Working Group (RWG) has been tasked with developing and implementing the procedures necessary to transfer DM and CRV from FHWA's databases to NPS' Facility Management Software System (FMSS).

Current business practices for roadway definition in national parks involve face-to-face meetings between FHWA personnel and individual park staff known as "Route ID" meetings. These meetings have been ongoing for several years and have been performed within the context of the Road Inventory Program (RIP) executed mainly by FHWA. The primary focus of these meetings has been on defining roadway static information such as route names, numbers, functional class, etc. The FHWA personnel are the primary individuals responsible for implementing the RIP and the route ID meetings are an integral and fundamental part of that process. The RIP process provides route numbers for each individual road and parking area in each park. After the route ID meetings establish a given park's roadway asset base, various types of condition and inventory data are collected either manually or with a data collection van that drives each individual road with an individual route number.

The FMSS requires asset numbers as unique identifiers for all asset types including roadways. **The current practice is that all roadways that are assigned a route number at route ID, also are defined as assets and therefore also receive an FMSS asset number** (Route names and functional classes are also collaboratively assigned during the face-to-face route ID meetings). This practice began midway through the third RIP data collection cycle (ending in 2003) and was further reinforced during an asset alignment process conducted in the summer of 2006. The alignment process ensured that each route number in RIP and each asset number in FMSS were matched to the correct road and parking area.

Issue Statement:

As a result of various pre-existing business practices associated with the RIP, which predates FMSS by several years, route numbers are assigned for routes that are often very small. In tandem with the current business practice that all routes with route numbers are considered assets, this has caused a proliferation of asset numbers within FMSS. Over the past year, the RWG has learned that this business practice has significantly increased time and resources that parks must dedicate to administering FMSS data entry and management. This additional work effort is due to the fact that tying FMSS asset records to the more detailed, granular RIP route numbers has generated numerous new assets that require additional database and work order management. This has led to a situation where assets are not being defined the way they are managed.

The following proposed practices seek to create an asset definition process that is dictated by to how road assets are managed at the park level, not according to the pre-existing practices used in RIP for collecting detailed road information. RIP practices assign route numbers mainly based on how data are collected and driven with a data collection device. These procedures will disassociate the driving of roads with the data collection van from the process of assigning them asset status. **The end goal is to only assign asset numbers based on how parks manage their facilities within guidelines set up within FMSS and herein.** Driving the road with the data collection van allows for the collection of higher quality data as well as the ability to view road segments with video viewing software (Visidata). By de-linking driving the roads with the assignment of “asset status”, we are able to get the best quality data without the proliferation of assets that has serious negative ramifications for managing roadways in parks using asset management tools.

Proposed Actions:

1. Make a distinction within the route number field in the RIP database between those route numbers that represent assets, those that are subcomponents of assets and those that are groups of sub-components. The route number field in the RIP database will be expanded from 6 to 7 characters. The additional character will denote the asset status of the route in question. Combined routes will be designated with a double “zz”, while subcomponents will be designated with one “z”. Whenever possible, a combined route should use the lowest route number to be combined as the combined route number.
2. Only show assets, whether a group of subcomponents or a single component, on the Route ID report. Assets that are composed of subcomponents will have “zz” in the route number. Individual routes will have no additional characters in the route number. Subcomponents (designated in RIP with a “z”) will not be listed on the route ID report. Only assign asset numbers to those routes listed on the route ID report.
3. Provide a separate reporting function (other than the Route ID report) to identify and display information for route numbers not representing assets. Specific reporting requirements and format TBD.
4. Add a new field to the RIP database to indicate the “asset status” of a route number. The flag will have three possible values:
 - a. Asset with no subcomponents.
 - b. Asset with subcomponents.
 - c. Non-asset (i.e. subcomponent).

Both a change in the route number and a new “asset ID” field in the RIP database are recommended. It is easier to perform queries and other database manipulations using a separate field instead of a character within the route number field. The character in the route number field allows for rapid identification of the asset status of a road without having to access the database as a whole. Even though non-asset routes will not be included in the route ID report (the primary location for parks to view road information in RIP), there are many other reports as well as the Visidata application where the route number is

displayed. In these cases, the character in the route number will clearly identify the asset status of the roadway.

5. Focus asset definition practices on NPS asset management needs. Create roadway assets based on how parks manage these assets within the following guidelines:
 - a. Individual road segments (asset subcomponents) may be combined into a single asset. **Note that all the attributes of individual subcomponents (paved area, equipment, work orders, etc) will be included in the combined asset.**
 - b. In general, combination should be used in complex circulatory environments such as campground areas, housing and other administrative areas, maintenance areas, etc.
 - c. Public and non-public segments may not be combined.
 - d. Segments with differing functional classes may not be combined.
 - e. Discrete parking areas may be combined into a single asset where they service the same facility or resource and are within walking distance of each other.
 - f. Parking areas and roads may not be combined. This includes short road segments that may be near or adjacent to parking areas. See 5h below for exceptions to this.
 - g. Where the primary purpose of a road is to provide access to a parking area, and that road segment is approximately 0.25 miles in length or shorter, the access road should be considered part of the parking area (Note that this is an existing RIP business practice).
 - h. Particularly long routes may be divided into multiple assets based on how a park manages the roadway network. This should not be confused with the use of sub-components listed in 5a.
 - i. Roads that are actively managed by concession operations may not be combined with those managed by the NPS.

Discussion:

The first four items listed above are actions required by FHWA RIP to allow for the adoption of the practices shown in 5a-i. The following will provide additional direction and examples for guidelines listed.

Individual road segments (asset subcomponents) may be combined into a single asset. Where previous route ID practices have generated more assets (routes) than are practical from an asset management standpoint, small, discrete road lengths may be designated as asset subcomponents and then combined into a larger single asset. A subcomponent is NOT an FMSS term. Subcomponents will be used in RIP to indicate which routes are small, drivable individual road segments and which routes may include these segments. Once a piece of road is designated a subcomponent of another route, it will no longer have any individual identity in FMSS. Only those routes listed on the RIP Route ID report will have asset numbers in FMSS. As stated in business rule 2 above, subcomponents will not be listed on the route ID. The quantity information (length, area) will be included into the larger route of which they are a part. See Figures 1 and 2 for an example of how existing assets may be combined using subcomponents. Note that

subcomponents will have an identity in the RIP database and, if driven by RIP team, may be referenced in RIP reports, Visidata, or other RIP documentation.

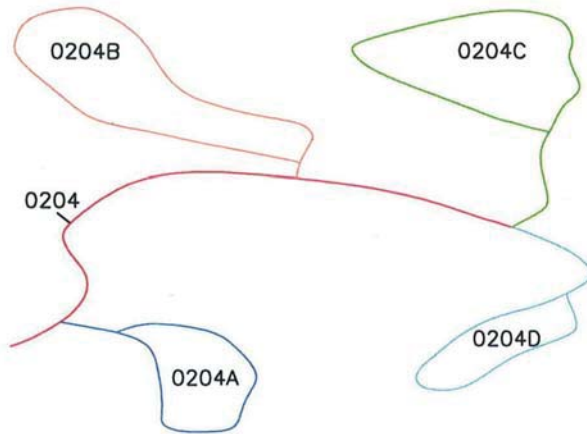


Figure 1: Campground with five routes and five assets

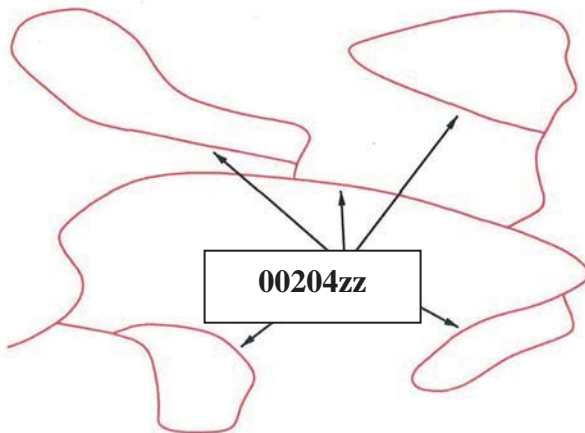


Figure 2: Campground with all loops combined into one route and one asset. This has eliminated four assets.

In general, combination should occur in complex circulatory environments such as campground areas, housing and other administrative areas, maintenance areas, etc.

Typically these complex situations are where too many assets have been used to define roadways. Combining simple “point A to point B” roads that are clearly defined and provide access to different facilities or locations may not be done.

Public and non-public segments may not be combined. Roads that are posted as closed to the public or are intended as administrative access only (maintenance areas, housing areas, fire roads, etc) can not be combined with roads open to the public.

Segments with differing functional classes may not be combined. The roadway functional class is found on the Route ID report. Functional class indicates the type of circulatory function a given road provides. Functional class is used in a variety of applications (engineering, safety, funding) so it is important to maintain the correct functional class attributes of individual roads/assets. There are some cases where functional class was erroneously assigned in prior Route ID meetings such as where campground loops have a different functional class than the campground road. Functional classes of individual roads may be modified to correct discrepancies. The functional class definitions may not be modified.

Discrete parking areas may be combined into a single asset where they service the same facility or resource and are within walking distance of each other. These combined areas should be maintained as one asset. There are many instances where small (5-10 space), discrete parking areas have been separated into individual assets even though they provide parking for the same area or facility. These may be combined into a single asset. Figures 3 and 4 shows examples of combining parking areas.

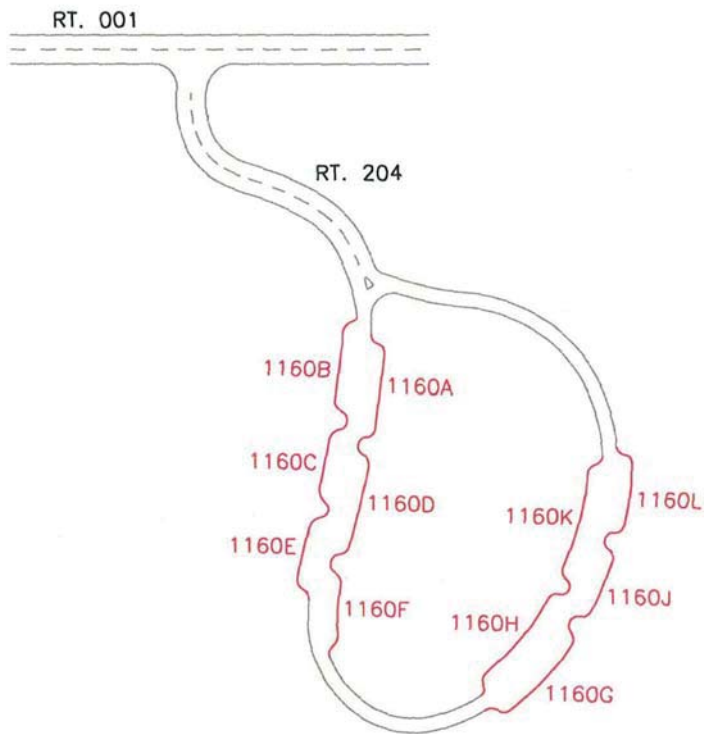


Figure 3: Parking with access route 204 and multiple parking areas (1160 A-L). Currently, this parking area is 12 routes and 12 assets (one 1100 asset and 11 1300 assets).

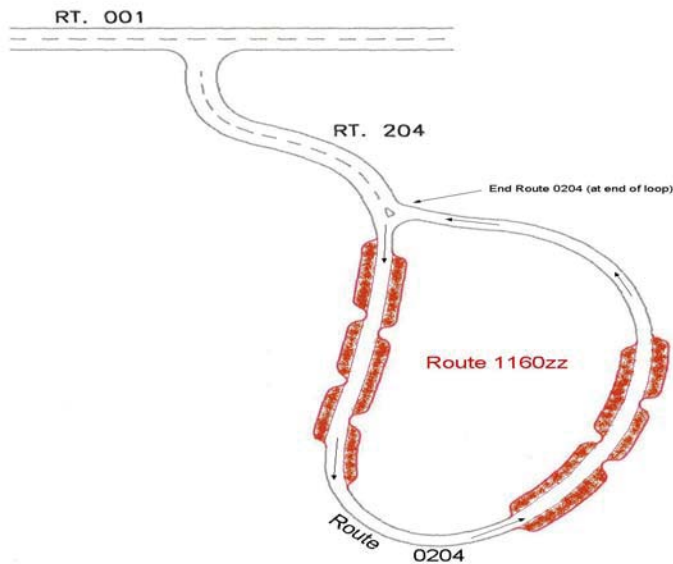


Figure 4: Parking with access route 204 and one parking area 1160zz. Route 204 is assumed longer than 0.25 miles. There are now 2 assets (one 1100 asset, one 1300 asset) instead of 12.

Parking areas and roads may not be combined. Parking areas and roads are tracked as separate asset types (1300 vs. 1100) in FMSS and as such should not be combined except in situations described by 5g. In Figure 5, Route 207 is a spur road from the main route running through parking area 1102. Since the spur road continues through and beyond the parking area, it will remain a separate route.

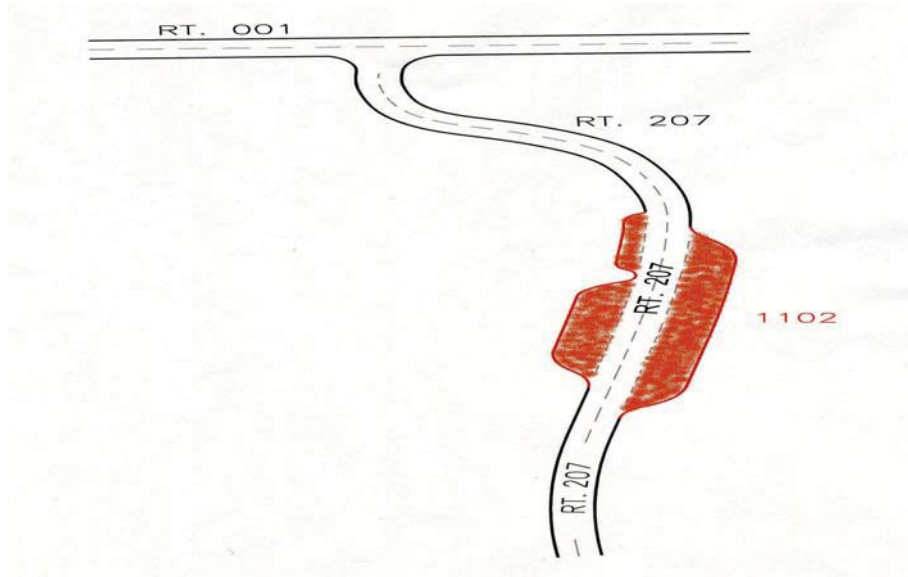


Figure 5: Parking with access route 207 running through and continuing beyond parking 1102. This access route cannot be considered a part of the parking area and two routes and two assets continue to exist.

Where the primary purpose of a road is to provide access to a parking area, and that road segment is less than 0.25 miles in length, the access road should be considered part of the parking area. See Figures 8. Where a road continues on past a parking area to another facility or destination, even if it is less than 0.25 miles to the initial parking area, the road and parking area may not be combined.

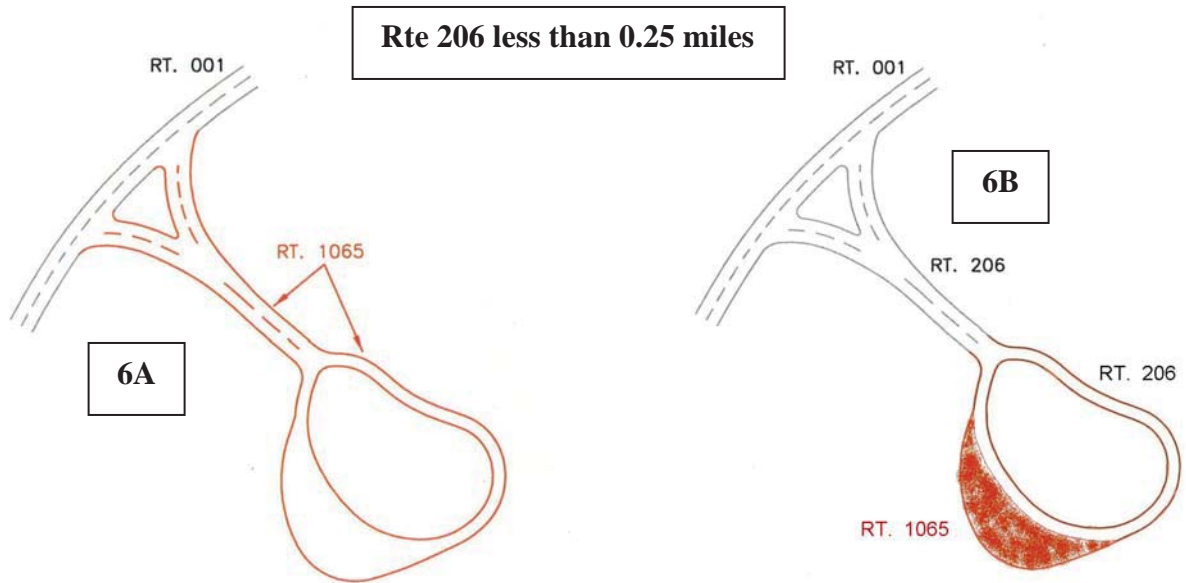


Figure 6: Since the access route is less than .25 miles in length and the only use of the access is to the parking, one route for both the access and the parking area can be established.

Particularly long routes may be divided into multiple assets based on how a park manages the roadway network. This should not be confused with the use of sub-components listed in 5a. Routes like the Blue Ridge Parkway or the Yellowstone Grand Loop may not lend themselves to management as a single asset by virtue of their length. Often management districts are created for sections of these routes and maintenance activities occur primarily within these districts. Parks may break routes up into separate assets during the Route ID process if the road is managed as discrete sections. This should only be done for very long roads.

The following example illustrates a complex road system and how the proposed business practice and several of the guidelines could be applied to create fewer assets that are consistent with local management.

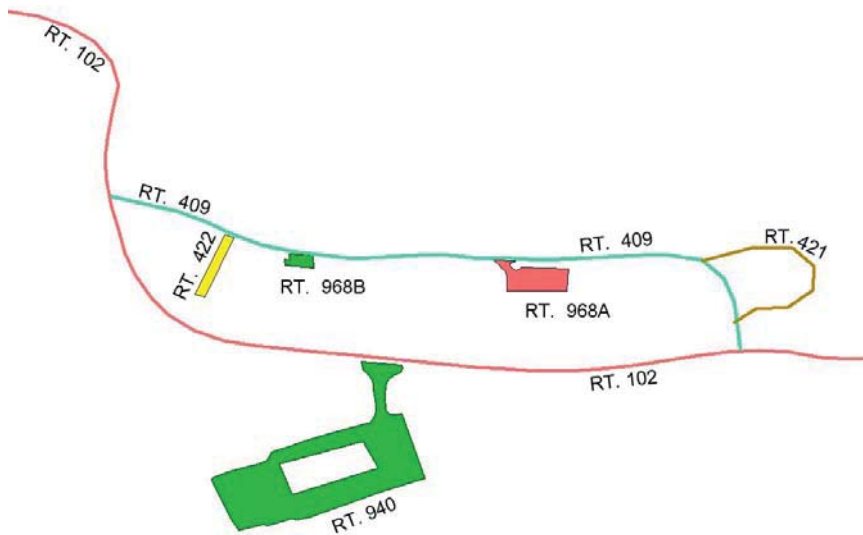


Figure 7 – Current Housing area access configuration. Route 409 is less than 0.25 miles long.

The area serviced by Routes 409, 421, 422, 968A, and 968B is all employee housing. Route 940 provides access to visitor services and not to the housing area. Routes may be combined to create assets that reflect local management. Routes 409, 421, and 422 are all the same functional class, provide access to one type of activity (housing) and are all posted as non-public. These routes may be combined. They should not be combined with any parking areas even though they are all less than 0.25 miles long. This is because their main function is not to provide access to parking. Routes 968A and B provide parking for access to the same facility (housing). Even though these discrete areas may provide parking to different housing units, it's reasonable to manage them as a single asset. They may also be combined.

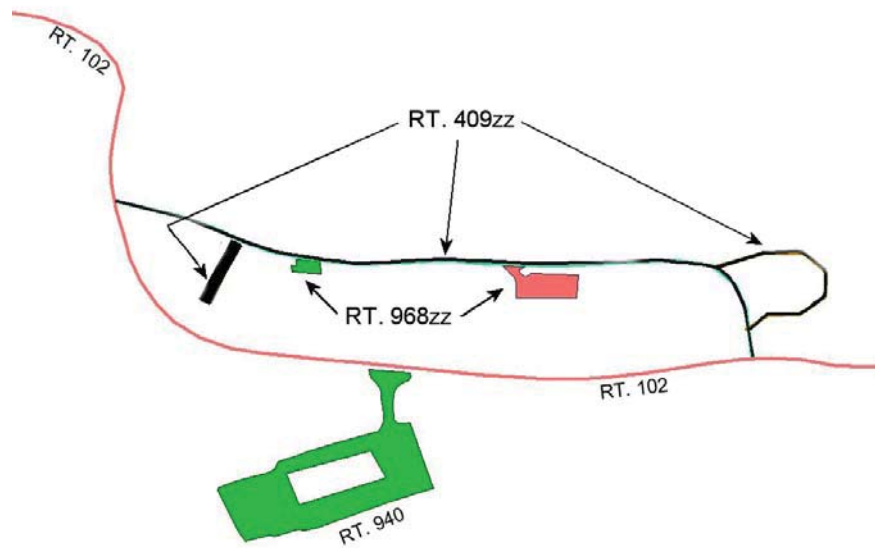


Figure 8 – Combined housing area access configuration – Parking and road assets combined to eliminate 3 assets.