Federal Lands Highway

Road Inventory Program

Road Inventory and Condition Assessment

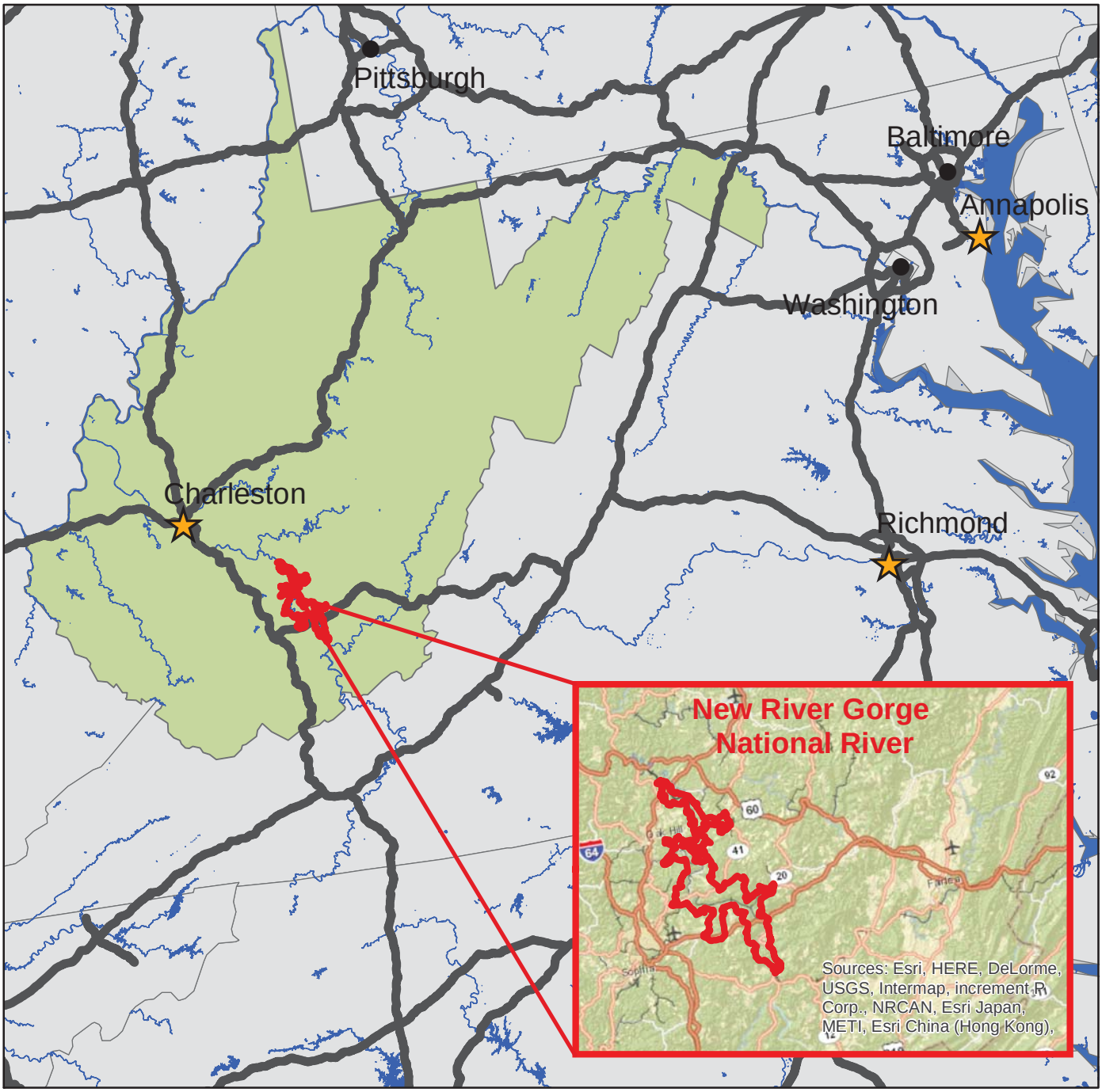
New River Gorge National River

NERI

Cycle 5 Report

Prepared By: Federal Highway Administration
Road Inventory Program (RIP)
Data Collected: 11/2013
Report Date: 06/2014

New River Gorge National River
in
West Virginia



DCV = Data Collection Vehicle

TABLE OF CONTENTS

Section 1
Introduction

New River Gorge National River

Federal Lands Highway
Road Inventory Program

INTRODUCTION

The Federal Highway Administration, (FHWA), in the mid 1970s, was charged with the task of identifying surface condition deficiencies and corrective priorities on National Park Service (NPS) roads and parkways. Additionally, FHWA was tasked with establishing an integrated maintenance features inventory, locating features such as culverts, guardrails, and signs, among others, along NPS roads and parkways. As a result, in 1976 the NPS and FHWA entered into an MOA (Memorandum Of Agreement) which established the RIP (Road Inventory Program). This MOA was terminated and revised in 1980 to establish a new MOA aiming to update RIP data and develop a long-range program to improve and maintain NPS roads to designated condition standards and establish a maintenance management program.

The FHWA completed this initial phase of the RIP in the early 1980s. As a result of this effort, each NPS site included in the study received a RIP Report known as the "Brown Book" which included the information collected during this first RIP phase.

In the 1990s, the effort was again renewed to update and maintain the RIP data. By this time the computer age was upon us and a process was employed that relied heavily on electronic data collection and computer technology. A cyclical program was developed and the RIP completed two cycles of data collection from 1994 to 2001. Cycle 1, starting in 1994, was conducted in 44 "large parks" (parks containing 10 or more paved route miles). Cycle 2 began in 1997 and comprised 79 large parks and 5 small parks totaling 4,874 paved route miles. Each of these parks received a RIP Report known as the "Blue Book". Cycle 3, from 2001 to 2004, was conducted in all parks, large and small, that contained any paved routes, including parking areas and, again, each park received a RIP Report and associated electronic files.

Cycle 4 was initiated in the spring of 2006 covering 86 large parks and several associated small parks consisting of 5,553 paved route miles and 6,232 paved parking areas. Data collection has been completed for Cycle 4 and all data has been delivered to the NPS.

In 2005, the FHWA began implementing the use of a Pavement Management System (PMS) to assist the NPS in prioritizing Pavement Maintenance and Rehabilitation activities. The PMS used by FHWA is the Highway Pavement Management Application (HPMA) and this software has the ability to store inventory and condition data from RIP and forecast future performance using prediction models. Outputs include performance and condition reports at the National, Regional, Park, or Route level. A regional prioritized list and optimization have been produced for most regions and the Federal Highway Deferred Maintenance is calculated via the HPMA.

In an effort to improve the accuracy of treatment recommendations and pavement condition descriptions, an extensive study was completed throughout 2010 that has resulted in changes to the RIP condition reporting method, specifically the distresses and indexes that comprise the Pavement Condition Rating (PCR). It was determined that a better representation of PCR could

be achieved by modifying the relative impact certain distresses would have on the overall rating. The changes that were implemented were endorsed by management at both the FHWA and NPS in October 2010. These changes will allow greater use of RIP and HPMA data for not simply condition data reporting, but also as a reliable tool for project identification and selection. Because of these changes, the PCR Condition ratings reported in Cycle 5 do not directly relate to the condition ratings reported in previous cycle RIP Reports. For more detailed information about the changes, see Section 3 and Section 10 in this RIP Report.

Cycle 5 has launched in the summer of 2010 and will again comprise all parks, large and small, that are served by paved roads and/or parking areas. For Cycle 5, the decision was made to collect condition data in large parks on Functional Class 1, 2, and 7 paved routes only, as well as any new routes that were previously not collected. In small parks, all paved routes and parking areas will be collected. As a result, this will include 81 large parks with 4,459 paved route miles and 231 small parks with 529 paved route miles and associated paved parking areas.

Since 1984, the Road Inventory Program has been funded through the Federal Lands Highway Park Roads and Parkways (PRP) Program. Currently, coordination of the RIP with FLH is under the NPS Washington Headquarters Park Facility Management Division. 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) requiring the FHWA and NPS, to develop by rule, a Pavement Management System (PMS) applied to park roads and parkways serving the National Park System.

FLH is responsible for the accuracy of all data presented in this report. Any questions or comments concerning the contents of this report should be directed to the national RIP Coordinator located in Sterling, Virginia.

Respectfully,

FHWA RIP Team

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Section 2
Park Route Inventory

New River Gorge National River

Federal Lands Highway
Road Inventory Program

Cycle 5 NPS/RIP Route ID Report

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, DCV Driven
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NERI

NEW RIVER GORGE NATIONAL RIVER

Rte. No.	Cycle Collected	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
0010	**5**	**3319**		**GRANDVIEW ROAD**	**FROM END OF ROUTE 5009 (GRANDVIEW ROAD (NON NPS) / COUNTY ROUTE 9) AT WEST PARK BOUNDARY**	**TO ROUTE 0963 (GRANDVIEW SHELTER AREAS 3 AND 4 PARKING) AND ROUTE 0964 (GRANDVIEW SHELTER AREA 2 PARKING)**	**N/A**	**0.66**	**0.00**	**0.66**	**1**		**AS**	**1, 1A**
0101	NC	3273		BURNWOOD ROAD	FROM ROUTE 5019N (U.S. HIGHWAY 19 NORTH)	TO END	N/A	0.00	0.80	0.80	2		GR	
0102	NC	56824		LANSING POST OFFICE ROAD	FROM LANSING ROAD	TO EAST PARK BOUNDARY	N/A	0.00	0.10	0.10	2		GR	
0103	NC	53371		FAYETTE STATION RIVER ACCESS ROAD	FROM ROUTE 5082 (FAYETTE STATION ROAD / STATE ROUTE 82)	TO RIVER	N/A	0.00	0.30	0.30	2		GR	
0106	NC	13263		KAYMOOR TOP ROAD	FROM KAYMOOR ROAD	TO END	N/A	0.00	0.10	0.10	2		GR	
0107	**5**	**3235**		**CUNARD ROAD**	**FROM COUNTY ROUTE 9/14**	**TO ROUTE 0914AZ (CUNARD PUBLIC USE PARKING AREA A)**	**N/A**	**1.63**	**0.00**	**1.63**	**2**		**AS**	**1, 1B**
0108	**5**	**3236**		**COAL RUN (FISHERMAN'S ACCESS) ROAD**	**FROM ROUTE 0107 (CUNARD ROAD)**	**TO ROUTE 0916 (COAL RUN PARKING AREA) AT MP 0.70**	**N/A**	**0.08**	**0.62**	**0.70**	**2**		**AS**	**1, 1B**
0109	NC	3237		BROOKLYN BOTTOM ROAD	FROM ROUTE 0914ZZ (CUNARD PUBLIC USE PARKING AREAS)	TO ROUTE 0917 (BROOKLYN PARKING AREA)	N/A	0.00	1.00	1.00	2		GR	
0111	NC	3255		TERRY TOP TRAIL ROAD	FROM COUNTY ROUTE 41/2	TO END	N/A	0.00	2.20	2.20	5		GR	
0113	NC	53376		THURMOND COMMERCIAL ROW ROAD	FROM COUNTY ROUTE 25/2	TO COUNTY ROUTE 25/13	N/A	0.00	0.10	0.10	2		GR	
0115	NC	3357		STONE CLIFF ROAD	FROM ROUTE 5025 (STATE ROUTE 25 (THURMOND ROAD))	TO END	N/A	0.00	0.40	0.40	2		GR	
0117	NC	3347		GLADE CREEK ROAD	FROM ROUTE 5041 (STATE ROUTE 41)	TO END	N/A	0.00	6.10	6.10	2		GR	
0118	NC	3337		GRANDVIEW SANDBAR ROADS	FROM ROUTE 0117 (GLADE CREEK ROAD)	TO ROUTE 0980 (GRANDVIEW SANDBAR RIVER ACCESS PARKING)	N/A	0.00	0.70	0.70	2		GR	
0119	NC	53407		MILL CREEK ROAD	FROM ROUTE 0117 (GLADE CREEK ROAD)	TO END	N/A	0.00	0.10	0.10	2		GR	

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0120	NC	3332		ARMY CAMP ROAD	FROM COUNTY ROUTE 41/39	TO ROUTE 0204 (ARMY CAMP CAMPGROUND ROAD)	N/A	0.00	0.90	0.90	2		GR	
0122	NC	13272		BROOKSIDE ROAD	FROM ROUTE 5020 (STATE ROUTE 20)	TO END	N/A	0.00	0.20	0.20	2		GR	
0123	NC	13275		BROOKS FALLS ROAD	FROM ROUTE 5026 (RIVER ROAD / COUNTY ROUTE 26)	TO END	N/A	0.00	0.10	0.10	2		GR	
0126	**5**	**53409**		**TURKEY SPUR ROAD**	**FROM ROUTE 0010 (GRANDVIEW ROAD)**	**TO ROUTE 0962 (TURKEY SPUR OVERLOOK PARKING)**	**N/A**	**1.18**	**0.00**	**1.18**	**2**		**AS**	**1, 1A**
0200	NC	3348		GLADE CREEK CAMPGROUND ROAD	FROM CAMPGROUND	TO ROUTE 0117 (GLADE CREEK ROAD)	N/A	0.00	0.50	0.50	3		GR	
0201	NC	3294		QUINNIMONT CIRCLE ROAD	FROM ROUTE 5041 (STATE ROUTE 41)	TO ROUTE 5041 (STATE ROUTE 41)	N/A	0.00	0.20	0.20	3		GR	
0202ZZ	**5**	**50379**		**GRANDVIEW VISITOR CENTER ROADS**	**FROM ROUTE 0010 (GRANDVIEW ROAD)**	**TO ROUTE 0010 (GRANDVIEW ROAD)**	**N/A**	**0.60**	**0.00**	**0.60**	**3**		**AS**	**1, 1A**
0203	NC	231820		THAYER ACCESS ROAD	FROM ROUTE 5025 (STATE ROUTE 25 (THURMOND ROAD))	TO END	N/A	0.00	0.10	0.10	4		GR	
0204	NC	3333		ARMY CAMP CAMPGROUND ROAD	FROM ROUTE 0120 (ARMY CAMP ROAD)	TO ROUTE 0120 (ARMY CAMP ROAD)	N/A	0.00	0.20	0.20	3		GR	
0205	NC	116091		HYLTON STRIP ROAD	FROM ROUTE 5041 (STATE ROUTE 41)	TO END	N/A	0.00	1.00	1.00	4		NV	
0206	NC	116086		WAR RIDGE ACCESS ROAD	FROM COUNTY RD 22/7	TO ROUTE 0986 (WAR RIDGE PARKING AREA)	N/A	0.00	3.00	3.00	4		GR	
0207	NC	116089		WAR RIDGE CAMPGROUND ROAD	FROM ROUTE 0206 (WAR RIDGE ACCESS ROAD)	TO WAR RIDGE CAMPGROUND	N/A	0.00	0.20	0.20	4		GR	
0208	NC			MEADOW CREEK CAMPGROUND ROAD	FROM SOUTH RIVERSIDE ROAD	TO SOUTH RIVERSIDE ROAD	N/A	0.00	0.00	0.00	3		GR	
0400	NC	3274		CANYON RIM OLD WATER TANK ROAD	FROM ROUTE 0102 (LANSING POST OFFICE ROAD)	TO END	N/A	0.00	0.23	0.23	6		GR	
0401	NC	3275		AJAX MINES ROAD	FROM ROUTE 5082 (FAYETTE STATION ROAD / STATE ROUTE 82)	TO END	N/A	0.00	0.05	0.05	5		GR	
0402	NC	53410		KAYMOOR SERVICE ROAD	FROM KAYMOOR ROAD	TO END	N/A	0.00	4.20	4.20	6		GR	

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0403	NC	13276		RICHMOND - HAMILTON FARM ROAD	FROM ROUTE 5026 (RIVER ROAD / COUNTY ROUTE 26)	TO END	N/A	0.00	0.20	0.20	2		GR	
0404	NC	3317		HUNTERS BOGG ROAD	FROM ROUTE 0010 (GRANDVIEW ROAD)	TO END	N/A	0.00	0.50	0.50	6		GR	
0405	NC	3316		GRANDVIEW ADMINISTRATIVE ROAD / LITTLE LAUREL TRAIL	FROM ROUTE 0963 (GRANDVIEW SHELTER AREAS 3 AND 4 PARKING)	TO ROUTE 0117 (GLADE CREEK ROAD)	N/A	0.00	2.00	2.00	6		GR	
0406	NC	13261		HELICOPTER LANDING PAD DRIVEWAY	FROM STATE ROUTE 5	TO END	N/A	0.00	0.20	0.20	6		GR	
0407	NC	51369		BRIDGE WALK	FROM COUNTY ROUTE 8/14	TO END	N/A	0.00	0.00	0.00	6		GR	
0902	NC	50350		BURNWOOD RANGER STATION PARKING	FROM ROUTE 0101 (BURNWOOD ROAD)	TO PARKING	N/A	0.00	0.00	0.00		19,344	GR	
0904A	NC	50356		BURNWOOD LEFT PICNIC SHELTER PARKING	FROM ROUTE 0101 (BURNWOOD ROAD)	TO PARKING	N/A	0.00	0.00	0.00		900	GR	
0904B	NC	53739		BURNWOOD RIGHT PICNIC SHELTER PARKING	FROM ROUTE 0101 (BURNWOOD ROAD)	TO PARKING	N/A	0.00	0.00	0.00		900	GR	
0906	**5**	**3276**		**CANYON RIM VISITOR CENTER PARKING**	**FROM ROUTE 5003 (FAYETTE MINE ROAD)**	**TO ROUTE 5003 (FAYETTE MINE ROAD)**	**N/A**	**0.00**	**0.00**	**0.00**		**90,108**	**AS**	**1, 1D**
0910	NC	13281		BRIDGE TRAIL PARKING AREA	FROM ROUTE 5082 (FAYETTE STATION ROAD / STATE ROUTE 82)	TO PARKING	N/A	0.00	0.00	0.00		9,378	GR	
0911	NC	13282		LONG POINT TRAIL PARKING AREA	FROM KAYMOOR ROAD / COUNTY ROAD 9/8	TO PARKING	N/A	0.00	0.00	0.00		13,784	GR	
0913	**5**	**13284**		**CUNARD HORSE TRAIL PARKING AREA**	**ADJACENT TO ROUTE 0107 (CUNARD ROAD)**		**N/A**	**0.00**	**0.00**	**0.00**		**4,788**	**AS**	**1, 1B**
0914ZZ	**5**	**51093**		**CUNARD PUBLIC USE PARKING AREAS**	**FROM ROUTE 0107 (CUNARD ROAD)**	**TO ROUTE 0108 (COAL RUN (FISHERMAN'S ACCESS) ROAD) AND ROUTE 0109 (BROOKLYN BOTTOM ROAD)**	**N/A**	**0.00**	**0.00**	**0.00**		**42,181**	**AS**	**1, 1B**

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0916	NC	53740		COAL RUN PARKING AREA	FROM ROUTE 0108 (COAL RUN (FISHERMAN'S ACCESS) ROAD)	TO PARKING	N/A	0.00	0.00	0.00		688	GR	
0917	NC	53741		BROOKLYN PARKING AREA	FROM ROUTE 0109 (BROOKLYN BOTTOM ROAD)	TO PARKING	N/A	0.00	0.00	0.00		4,095	GR	
0918	NC	13286		REND TRAIL - MINDEN PARKING AREA	FROM STATE ROUTE 17	TO PARKING	N/A	0.00	0.00	0.00		1,602	GR	
0921	NC	53764		GLEN JEAN HEADQUARTERS MAINTENANCE COMPOUND PARKING (GRAVEL)	FROM ROUTE 0922ZZ (GLEN JEAN HEADQUARTERS RESTRICTED PARKING)	TO MAINTENANCE AREA	N/A	0.00	0.00	0.00		4,500	GR	
0922ZZ	**5**	**53954**		**GLEN JEAN HEADQUARTERS RESTRICTED PARKING**	**FROM ROUTE 5000 (MAIN STREET (GLEN JEAN))**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**24,279**	**AS**	**1, 1C**
0923ZZ	**5**	**3254**		**GLEN JEAN HEADQUARTERS PUBLIC PARKING**	**FROM ROUTE 5000 (MAIN STREET (GLEN JEAN))**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**7,355**	**AS**	**1, 1C**
0924	NC	12476		REND TRAIL - THURMOND PARKING AREA	FROM ROUTE 5025 (STATE ROUTE 25 (THURMOND ROAD))	TO PARKING	N/A	0.00	0.00	0.00		3,705	GR	
0925	NC	4065		SOUTHSIDE JUNCTION PARKING	FROM ROUTE 5025 (STATE ROUTE 25 (THURMOND ROAD))	TO PARKING	N/A	0.00	0.00	0.00		3,740	GR	
0926	**5**	**13268**		**THURMOND DEPOT PARKING AREA**	**FROM ROUTE 5025 (STATE ROUTE 25 (THURMOND ROAD))**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**5,399**	**AS**	**1**
0927	NC	53742		THURMOND COMMERCIAL ROW PARKING	FROM ROUTE 0113 (THURMOND COMMERCIAL ROW ROAD)	TO PARKING	N/A	0.00	0.00	0.00		2,800	GR	
0929	NC	13287		DUNGLEN REPAIR SHOP PARKING AREA	FROM ROUTE 5025 (STATE ROUTE 25 (THURMOND ROAD))	TO PARKING	N/A	0.00	0.00	0.00		14,384	GR	
0934	NC	53750		THAYER PARKING	FROM STATE ROUTE 203	TO PARKING	N/A	0.00	0.00	0.00		13,530	GR	
0935	NC	50373		MCCREERY RIVER ACCESS PARKING AREA	FROM ROUTE 5041 (STATE ROUTE 41)	TO PARKING	N/A	0.00	0.00	0.00		8,970	GR	

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0936	NC	13288		MCCREERY BUILDING PARKING AREA	FROM ROUTE 5041 (STATE ROUTE 41)	TO PARKING	N/A	0.00	0.00	0.00		4,860	GR	
0941A	NC	13290		GLADE CREEK TRAILHEAD PARKING	FROM ROUTE 0117 (GLADE CREEK ROAD)	TO PARKING	N/A	0.00	0.00	0.00		1,435	GR	
0941B	NC	53754		GLADE CREEK HAMLET TRAILHEAD PARKING	FROM ROUTE 0117 (GLADE CREEK ROAD)	TO PARKING	N/A	0.00	0.00	0.00		1,435	GR	
0945	NC	13293		PRINCE BROTHERS GENERAL STORE PARKING AREA (MONKS STORE)	FROM ROUTE 5041 (STATE ROUTE 41)	TO PARKING	N/A	0.00	0.00	0.00		3,675	GR	
0946	NC	13294		UPPER GLADE CREEK PARKING	FROM STATE ROUTE 119/36	TO PARKING	N/A	0.00	0.00	0.00		6,161	GR	
0947	**5**	**53957**		**SANDSTONE DISTRICT RIVER RANGER OFFICE PARKING**	**FROM ROUTE 5020 (STATE ROUTE 20)**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**14,485**	**AS**	**2, 2A**
0948	NC	50386		SANDSTONE FALLS OVERLOOK PARKING	FROM ROUTE 5020 (STATE ROUTE 20)	TO PARKING	N/A	0.00	0.00	0.00		5,600	GR	
0949	NC	13295		GWINN RIDGE PARKING	FROM STATE ROUTE 44/5	TO PARKING	N/A	0.00	0.00	0.00		747	GR	
0952	NC	53759		TUG CREEK BEACH PARKING	FROM ROUTE 5026 (RIVER ROAD / COUNTY ROUTE 26)	TO PARKING	N/A	0.00	0.00	0.00		8,550	GR	
0953	NC	53760		HELLEMS BEACH PARKING	FROM ROUTE 5020 (STATE ROUTE 20)	TO PARKING	N/A	0.00	0.00	0.00		4,545	GR	
0955	NC	50388		SANDSTONE FALLS PARKING AREAS	FROM ROUTE 5026 (RIVER ROAD / COUNTY ROUTE 26)	TO PARKING	N/A	0.00	0.00	0.00		3,045	GR	
0956	NC	50391		SANDSTONE FALLS LOWER BEACH PARKING	FROM ROUTE 5026 (RIVER ROAD / COUNTY ROUTE 26)	TO PARKING	N/A	0.00	0.00	0.00		8,610	GR	
0957	NC	57575		GLEN JEAN HEADQUARTERS AUXILIARY PARKING (GRASS NEXT TO POST OFFICE)	FROM ROUTE 5000 (MAIN STREET (GLEN JEAN))	TO PARKING	N/A	0.00	0.00	0.00		900	OT	
0958	**5**	**53973**		**GRANDVIEW DRESSING ROOM PARKING**	**FROM ROUTE 0010 (GRANDVIEW ROAD)**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**11,540**	**AS**	**1, 1A**

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Rte. No.	Cycle Collected	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
0959	**5**	**53956**		**GRANDVIEW OPERATIONS COMPOUND PARKING**	**FROM ROUTE 0010 (GRANDVIEW ROAD)**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**8,915**	**AS**	**1, 1A**
0960	NC	53972		GRANDVIEW OPERATIONS BONEYARD PARKING	FROM ROUTE 0959 (GRANDVIEW OPERATIONS COMPOUND PARKING)	TO PARKING	N/A	0.00	0.00	0.00		35,001	GR	
0961	**5**	**53959**		**GRANDVIEW SHELTER AREA 1 PARKING**	**FROM ROUTE 0010 (GRANDVIEW ROAD)**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**23,853**	**AS**	**1, 1A**
0962	**5**	**53958**		**TURKEY SPUR OVERLOOK PARKING**	**FROM END OF ROUTE 0126 (TURKEY SPUR ROAD)**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**3,845**	**AS**	**1, 1A**
0963	**5**	**53960**		**GRANDVIEW SHELTER AREAS 3 AND 4 PARKING**	**FROM END OF ROUTE 0010 (GRANDVIEW ROAD) STRAIGHT AHEAD**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**30,399**	**AS**	**1, 1A**
0964	**5**	**53961**		**GRANDVIEW SHELTER AREA 2 PARKING**	**FROM END OF ROUTE 0010 (GRANDVIEW ROAD) ON LEFT**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**17,167**	**AS**	**1, 1A**
0965ZZ	**5**	**53962**		**GRANDVIEW AMPHITHEATER PARKING AREAS**	**ADJACENT TO ROUTE 0202ZZ (GRANDVIEW VISITOR CENTER ROADS)**		**N/A**	**0.00**	**0.00**	**0.00**		**7,231**	**AS**	**1, 1A**
0966	**5**	**53964**		**GRANDVIEW MAIN OVERLOOK PARKING**	**FROM ROUTE 0202ZZ (GRANDVIEW VISITOR CENTER ROADS)**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**53,065**	**AS**	**1, 1A**
0967ZZ	**5**	**53965**		**GRANDVIEW OVERFLOW PARKING AREAS**	**ADJACENT TO ROUTE 0202ZZ (GRANDVIEW VISITOR CENTER ROADS)**		**N/A**	**0.00**	**0.00**	**0.00**		**46,572**	**AS**	**1, 1A**
0968	**5**	**56828**		**SANDSTONE VISITOR CENTER PARKING**	**FROM ROUTE 5007 (MEADOW CREEK ROAD / COUNTY ROUTE 7)**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**63,678**	**AS**	**2, 2A**
0969	NC	12479		ENDLESS WALL / NUTTALL PARKING LOT	FROM ROUTE 5082 (FAYETTE STATION ROAD / STATE ROUTE 82)	TO PARKING	N/A	0.00	0.00	0.00		2,889	GR	
0970	NC	13271		ROUTE 20 OVERLOOK PARKING	FROM ROUTE 5020 (STATE ROUTE 20)	TO PARKING	N/A	0.00	0.00	0.00		333	GR	

Cycle 5 NPS/RIP Route ID Report

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NEW RIVER GORGE NATIONAL RIVER

Rte. No.	Cycle Collected	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
0976ZZ	NC	3318		GRANDVIEW OPERATIONS COMPOUND PARKING AREAS	FROM ROUTE 5009 (GRANDVIEW ROAD (NON NPS) / COUNTY ROUTE 9)	TO PARKING	N/A	0.00	0.00	0.00		4,587	GR	
0979	NC	13264		COLE PROPERTY PARKING	FROM ROUTE 5082 (FAYETTE STATION ROAD / STATE ROUTE 82)	TO PARKING	N/A	0.00	0.00	0.00			GR	
0980	NC			GRANDVIEW SANDBAR RIVER ACCESS PARKING	FROM ROUTE 0118 (GRANDVIEW SANDBAR ROADS)	TO PARKING	N/A	0.00	0.00	0.00			GR	
0981	**5**			**SANDSTONE ADMINISTRATIVE AREA**	**FROM ROUTE 5007 (MEADOW CREEK ROAD / COUNTY ROUTE 7)**	**TO PARKING**	**N/A**	**0.00**	**0.00**	**0.00**		**10,805**	**AS**	**2, 2A**
0982	NC	116088		WAR RIDGE CAMPGROUND PARKING AREA	FROM ROUTE 0207 (WAR RIDGE CAMPGROUND ROAD)	TO PARKING	N/A	0.00	0.00	0.00			GR	
0983	NC	116352		NUTTALLBURG KEENEY'S CREEK RAIL TRAIL PARKING AREA	FROM STATE ROUTE 85/2	TO PARKING	N/A	0.00	0.00	0.00			GR	
0984	NC	116353		NUTTALLBURG TIPPLE TRAIL PARKING AREA	FROM STATE ROUTE 85/2	TO PARKING	N/A	0.00	0.00	0.00			GR	
0985	NC	50335		ENDLESS WALL / FERN CREEK PARKING	FROM LANSING EDMOND ROAD	TO PARKING	N/A	0.00	0.00	0.00			GR	
0986	NC	116087		WAR RIDGE PARKING AREA	FROM ROUTE 0206 (WAR RIDGE ACCESS ROAD)	TO PARKING	N/A	0.00	0.00	0.00		7,500	GR	
5000	**5**			**MAIN STREET (GLEN JEAN)**	**FROM ROUTE 5019S (U.S. HIGHWAY 19 SOUTH)**	**TO END**	**N/A**	**0.45**	**0.00**	**0.45**			**AS**	**1, 1C**
5001	**5**			**TERRY ROAD**	**FROM ROUTE 5041 (STATE ROUTE 41)**	**TO END OF PAVEMENT**	**N/A**	**1.51**	**0.00**	**1.51**			**AS**	**1**
5002	**5**			**OLD DELTA ROAD 177 / AMES HEIGHT ROAD**	**FROM ROUTE 5082 (FAYETTE STATION ROAD / STATE ROUTE 82)**	**TO ROUTE 5019S (U.S. HIGHWAY 19 SOUTH)**	**N/A**	**1.37**	**0.00**	**1.37**			**AS**	**1, 1D**
5003	**5**			**FAYETTE MINE ROAD**	**FROM ROUTE 5019N (U.S. HIGHWAY 19 NORTH)**	**TO ROUTE 5082 (FAYETTE STATION ROAD / STATE ROUTE 82)**	**N/A**	**0.74**	**0.00**	**0.74**			**AS**	**1, 1D**

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NEW RIVER GORGE NATIONAL RIVER

Rte. No.	Cycle Collected	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
5007	5			MEADOW CREEK ROAD / COUNTY ROUTE 7	FROM ROUTE 5020 (STATE ROUTE 20)	TO RAILROAD CROSSING	N/A	2.97	0.00	2.97			AS	2, 2A
5009	5			GRANDVIEW ROAD (NON NPS) / COUNTY ROUTE 9	FROM ROUTE 5064W (INTERSTATE 64 WEST) / EXIT 129 RAMP	TO BEGINNING OF 0010 (GRANDVIEW ROAD) AT PARK BOUNDARY	N/A	4.64	0.00	4.64			AS	1, 1A, 2
5019N	5			U.S. HIGHWAY 19 NORTH	FROM INTERSTATE 64/77	TO ROUTE 5002 (OLD DELTA ROAD 177 / AMES HEIGHT ROAD) AND LANSING ROAD	N/A	20.42	0.00	20.42			AS	1, 1C, 1D
5019S	5			U.S. HIGHWAY 19 SOUTH	FROM ROUTE 5002 (OLD DELTA ROAD 177 / AMES HEIGHT ROAD) AND LANSING ROAD	TO INTERSTATE 64/77	N/A	20.46	0.00	20.46			AS	1, 1C, 1D
5020	5			STATE ROUTE 20	FROM ROUTE 5007 (MEADOW CREEK ROAD / COUNTY ROUTE 7)	TO ROUTE 5026 (RIVER ROAD / COUNTY ROUTE 26)	N/A	10.73	0.00	10.73			AS	2, 2A
5025	5			STATE ROUTE 25 (THURMOND ROAD)	FROM ROUTE 5000 (MAIN STREET (GLEN JEAN))	TO RAILROAD CROSSING AT ROUTE 0926 (THURMOND DEPOT PARKING AREA)	N/A	6.39	0.00	6.39			AS	1, 1C
5026	5			RIVER ROAD / COUNTY ROUTE 26	FROM ROUTE 5020 (STATE ROUTE 20)	TO IRISH MOUNTAIN ROAD	N/A	8.58	0.00	8.58			AS	2
5041	5			STATE ROUTE 41	FROM THOMAS BUFORD PUGH MEMORIAL BRIDGE ON THE NEW RIVER	TO STATE ROUTE 61	N/A	3.97	0.00	3.97			AS	1
5064E	5			INTERSTATE 64 EAST	FROM STATE ROUTE 9 / GRANDVIEW ROAD UNDERPASS (EXIT 129)	TO STATE ROUTE 20 OVERPASS (JUST BEYOND EXIT 139)	N/A	10.44	0.00	10.44			AS	2, 2A
5064W	5			INTERSTATE 64 WEST	FROM STATE ROUTE 20 OVERPASS	TO STATE ROUTE 9 / GRANDVIEW ROAD UNDERPASS (EXIT 129)	N/A	10.43	0.00	10.43			AS	2, 2A
5082	5			FAYETTE STATION ROAD / STATE ROUTE 82	FROM LANSING ROAD	TO ROUTE 5019S (U.S. HIGHWAY 19 SOUTH)	N/A	7.11	0.00	7.11			AS	1, 1D

Cycle 5 NPS/RIP Route ID Report

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CYCLE 5 SUMMARY TOTALS FOR NEW RIVER GORGE NATIONAL RIVER

CYCLE 5 ROUTE TOTALS

DCV Driven Route Miles	4.15
Manually Rated Route Miles	0.00
TOTAL PARK ROUTE MILES COLLECTED IN CYCLE 5	4.15
Manually Rated Routes (SQFT)	0
TOTAL UNPAVED PARK ROUTE MILES	26.30

CYCLE 5 CONCESSION TOTALS

Concession Paved Route Miles	0.00
Concession Unpaved Route Miles	0.00
TOTAL CONCESSION ROUTE MILES	0.00
Concession Paved Parking Area SQFT	0
Concession Unpaved Parking Area SQFT	0
TOTAL CONCESSION PARKING AREA SQFT	0
Concession Manually Rated Routes SQFT	0

* CYCLE 5 PARKING AREA TOTALS

Paved Parking (SQFT)	465,665
Unpaved Parking (SQFT)	202,193
TOTAL PARKING (SQFT)	667,858

CYCLE 5 WEIGHTED AVERAGE PARK VALUES

DCV Driven PCR	90
**Manually Rated Routes PCR	N/A
**Parking PCR	86
***Total Equivalent Lane Miles	14.95

* - The Parking Area Totals SQFT value represents **all** parking areas collected in Cycle 5, both park and concessionaire.

** - Parking and Manually Rated Routes are assigned the following PCR values based on their observed condition: Construction=-1, Excellent=97, Good=90, Fair=73, and Poor=45.

*** - Equivalent Lane Miles are calculated by route using the following equations : DCV and Manually Rated Lines Routes=(PAVE_WIDTHxPAVED_MI)/11 foot lane. Parking Areas=SQ_FEET/5280/11. Manually Rated Polygons=SQ_FEET/5280/11.

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General Park Road Functional Classification Table

Class 1 Principal Park Road/Rural Parkway (Public Roads) Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Route Numbers 1 - 99. Note: Rural parkways (e.g. Natchez Trace) are numbered 1 - 9. State Routes Inventoried for Park. Route Numbers 5000-5999

Class 2 Connector Park Road (Public Roads) - Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc. Route Numbers 100-199.

Class 3 Special Purpose Park Road (Public Roads) - Roads which provide circulation within public areas, such as campgrounds, picnic areas, visitor center complexes, concessionaire facilities, etc. These roads generally serve low-speed traffic and are often designed for one-way circulation. Route Numbers 200-299.

Class 4 Primitive Park Roads (Public Roads) - Roads which provide circulation through remote areas and/or access to primitive campgrounds and undeveloped areas. These roads frequently have no minimum design standards and their use may be limited to specially equipped vehicles. Route Numbers 200-299.
Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.

Class 5 Administrative Access Road (Administrative Roads) - All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas. Route Numbers 400-499.

Class 6 Restricted Road (Administrative Roads) - All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. Route Numbers 400-499. Note: Functional Classes 5 and 6 have the same route numbers because historically they were numbered similarly and often there is little distinction between these routes. For example, because utility areas and employee housing are often closed to the public, this restriction would result in classification of FC 6 rather than FC 5.

Class 7 Urban Parkway (Urban Parkways and City Streets) - These facilities serve high volumes of park and non-park related traffic and are restricted, limited-access facilities in an urban area. This category of roads primarily encompasses the major parkways which serve as gateways to our nation's capital. Other major park roads or portions thereof, however, may be included in this category. Route Numbers 1-9.

Class 8 City Streets (Urban Parkways and City Streets) - City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service. The construction and/or reconstruction should conform with accepted local engineering practice and local conditions. Route Numbers 600-699.

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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 Locations. 5000 Routes are driven for GPS and Video Log 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 NERI

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NERI

NEW RIVER GORGE NATIONAL RIVER

Rte. No.	FMSS No.	Cycle Collected	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0202ZZ	50379	5	GRANDVIEW VISITOR CENTER ROADS	FROM ROUTE 0010 (GRANDVIEW ROAD)	TO ROUTE 0010 (GRANDVIEW ROAD)		3	0.60	0.00	0.60	
0914ZZ	51093	5	CUNARD PUBLIC USE PARKING AREAS	FROM ROUTE 0107 (CUNARD ROAD)	TO ROUTE 0108 (COAL RUN (FISHERMAN'S ACCESS) ROAD) AND ROUTE 0109 (BROOKLYN BOTTOM ROAD)			0.00	0.00	0.00	42,181
0922ZZ	53954	5	GLEN JEAN HEADQUARTERS RESTRICTED PARKING	FROM ROUTE 5000 (MAIN STREET (GLEN JEAN))	TO PARKING			0.00	0.00	0.00	24,279
0923ZZ	3254	5	GLEN JEAN HEADQUARTERS PUBLIC PARKING	FROM ROUTE 5000 (MAIN STREET (GLEN JEAN))	TO PARKING			0.00	0.00	0.00	7,355
0965ZZ	53962	5	GRANDVIEW AMPHITHEATER PARKING AREAS	ADJACENT TO ROUTE 0202ZZ (GRANDVIEW VISITOR CENTER ROADS)				0.00	0.00	0.00	7,231
0967ZZ	53965	5	GRANDVIEW OVERFLOW PARKING AREAS	ADJACENT TO ROUTE 0202ZZ (GRANDVIEW VISITOR CENTER ROADS)				0.00	0.00	0.00	46,572
0976ZZ	3318	NC	GRANDVIEW OPERATIONS COMPOUND PARKING AREAS	FROM ROUTE 5009 (GRANDVIEW ROAD (NON NPS) / COUNTY ROUTE 9)	TO PARKING			0.00	0.00	0.00	4,587

NERI-0202ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0202AZ	50379	5	GRANDVIEW VISITOR CENTER ROAD	FROM ROUTE 0010 (GRANDVIEW ROAD) AT MP 0.26	TO ROUTE 0010 (GRANDVIEW ROAD) AT MP 0.07		3	0.44	0.00	0.44	
0202BZ	50379	5	GRANDVIEW VISITOR CENTER ROAD ADDITIONAL PARKING LOOP	FROM ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) AT MP 0.33	TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) AT MP 0.19		3	0.17	0.00	0.17	

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NERI

NEW RIVER GORGE NATIONAL RIVER

NERI-0914ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0914AZ	51093	5	CUNARD PUBLIC USE PARKING AREA A	FROM END OF ROUTE 0107 (CUNARD ROAD)	TO ROUTE 0109 (BROOKLYN BOTTOM ROAD)			0.00	0.00	0.00	26,380
0914BZ	51093	5	CUNARD PUBLIC USE PARKING AREA B	FROM ROUTE 0914AZ (CUNARD PUBLIC USE PARKING AREA A)	TO ROUTE 0108 (COAL RUN (FISHERMAN'S ACCESS) ROAD)			0.00	0.00	0.00	15,801

NERI-0922ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0919CZ	53954	5	GLEN JEAN HEADQUARTERS PARKING C	ADJACENT TO ROUTE 5000 (MAIN STREET (GLEN JEAN)) ON LEFT				0.00	0.00	0.00	2,560
0920Z	53954	5	GLEN JEAN HEADQUARTERS MAINTENANCE COMPOUND PARKING	FROM ROUTE 5000 (MAIN STREET (GLEN JEAN))	TO MAINTENANCE AREA AND ROUTE 0921 (GLEN JEAN HEADQUARTERS MAINTENANCE COMPOUND PARKING (GRAVEL))			0.00	0.00	0.00	13,015
0922Z	53954	5	GLEN JEAN ADMINISTRATIVE PARKING AREA	FROM ROUTE 5000 (MAIN STREET (GLEN JEAN))	TO PARKING			0.00	0.00	0.00	8,704

NERI-0923ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0919AZ	3254	5	GLEN JEAN HEADQUARTERS PARKING A	ADJACENT TO ROUTE 5000 (MAIN STREET (GLEN JEAN)) ON RIGHT				0.00	0.00	0.00	1,852
0919BZ	3254	5	GLEN JEAN HEADQUARTERS PARKING B	ADJACENT TO ROUTE 5000 (MAIN STREET (GLEN JEAN)) ON RIGHT				0.00	0.00	0.00	1,305
0923Z	3254	5	GLEN JEAN BANK PARKING AREA	FROM ROUTE 5025 (STATE ROUTE 25 (THURMOND ROAD))	TO PARKING			0.00	0.00	0.00	4,198

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NERI

NEW RIVER GORGE NATIONAL RIVER

NERI-0965ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0965AZ	53962	5	GRANDVIEW AMPHITHEATER PARKING A	ADJACENT TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) ON LEFT				0.00	0.00	0.00	3,900
0965BZ	53962	5	GRANDVIEW AMPHITHEATER PARKING B (HANDICAPPED)	ADJACENT TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) ON RIGHT				0.00	0.00	0.00	3,331

NERI-0967ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0967AZ	53965	5	GRANDVIEW OVERFLOW PARKING A	ADJACENT TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) ON RIGHT				0.00	0.00	0.00	4,677
0967BZ	53965	5	GRANDVIEW OVERFLOW PARKING B	ADJACENT TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) ON RIGHT				0.00	0.00	0.00	6,846
0967CZ	53965	5	GRANDVIEW OVERFLOW PARKING C	ADJACENT TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) ON LEFT				0.00	0.00	0.00	7,179
0967DZ	53965	5	GRANDVIEW OVERFLOW PARKING D	ADJACENT TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) ON LEFT				0.00	0.00	0.00	5,386
0967EZ	53965	5	GRANDVIEW OVERFLOW PARKING E	ADJACENT TO ROUTE 0202BZ (GRANDVIEW VISITOR CENTER ROAD ADDITIONAL PARKING LOOP) ON RIGHT				0.00	0.00	0.00	11,724
0967FZ	53965	5	GRANDVIEW OVERFLOW PARKING F	ADJACENT TO ROUTE 0202BZ (GRANDVIEW VISITOR CENTER ROAD ADDITIONAL PARKING LOOP) ON LEFT				0.00	0.00	0.00	5,912
0967GZ	53965	5	GRANDVIEW OVERFLOW PARKING G	ADJACENT TO ROUTE 0202BZ (GRANDVIEW VISITOR CENTER ROAD ADDITIONAL PARKING LOOP) ON LEFT				0.00	0.00	0.00	4,848

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Black = State, Local or Private non-NPS Routes
= Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

NERI

NEW RIVER GORGE NATIONAL RIVER

NERI-0976ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0976AZ	3318	NC	GRANDVIEW OPERATIONS COMPOUND PARKING A	FROM ROUTE 5009 (GRANDVIEW ROAD (NON NPS) / COUNTY ROUTE 9)	TO PARKING			0.00	0.00	0.00	2,293
0976BZ	3318	NC	GRANDVIEW OPERATIONS COMPOUND PARKING B	FROM ROUTE 5009 (GRANDVIEW ROAD (NON NPS) / COUNTY ROUTE 9)	TO PARKING			0.00	0.00	0.00	2,294

ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE - NERI

ROUTES ADDED FROM PREVIOUS INVENTORY:			
Route #	**Route Name**	**Reason for Addition**	**Comments**
0981	SANDSTONE ADMINISTRATIVE AREA	OTHER	NEW, PAVED PARKING LOT ADDED TO INVENTORY IN CYCLE 5. FMSS NUMBER NOT AVAILABLE AT THE TIME OF THIS REPORT PUBLICATION.
5000	MAIN STREET (GLEN JEAN)	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5001	TERRY ROAD	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5002	OLD DELTA ROAD 177 / AMES HEIGHT ROAD	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5003	FAYETTE MINE ROAD	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5007	MEADOW CREEK ROAD / COUNTY ROUTE 7	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5009	GRANDVIEW ROAD (NON NPS) / COUNTY ROUTE 9	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5019N	U.S. HIGHWAY 19 NORTH	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5019S	U.S. HIGHWAY 19 SOUTH	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5020	STATE ROUTE 20	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5025	STATE ROUTE 25 (THURMOND ROAD)	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.

ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE - NERI

ROUTES ADDED FROM PREVIOUS INVENTORY:			
Route #	**Route Name**	**Reason for Addition**	**Comments**
5026	RIVER ROAD / COUNTY ROUTE 26	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5041	STATE ROUTE 41	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5064E	INTERSTATE 64 EAST	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5064W	INTERSTATE 64 WEST	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.
5082	FAYETTE STATION ROAD / STATE ROUTE 82	OTHER	NON-NPS ROAD ADDED TO THE INVENTORY IN CYCLE 5.

ROUTES MODIFIED FROM PREVIOUS INVENTORY:			
Route #	**Route Name**	**Type of Modification**	**Comments**
0107	CUNARD ROAD	SURFACE TYPE CHANGE	ROUTE WAS RECENTLY PAVED; IT WAS A GRAVEL ROAD IN CYCLE 3.
0108	COAL RUN (FISHERMAN'S ACCESS) ROAD	SURFACE TYPE CHANGE	ROUTE WAS ENTIRELY UNPAVED IN CYCLE 3, BUT IN CYCLE 5 A SHORT SEGMENT AT THE BEGINNING OF THE ROUTE WAS PAVED. ROUTE NAME WAS CHANGED FROM "COAL RUN ROAD" TO "COAL RUN (FISHERMAN ACCESS) ROAD".

ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE - NERI

OTHER CHANGES FROM PREVIOUS INVENTORY:			
Route #	**Route Name**	**Type of Change**	**Comments**
0913	CUNARD HORSE TRAIL PARKING AREA	SURFACE TYPE CHANGE	PARKING AREA WAS RECENTLY PAVED; IT WAS A GRAVEL IN CYCLE 3.
0914ZZ	CUNARD PUBLIC USE PARKING AREAS	OTHER	CYCLE 3 ROUTES 0914A AND 0914B WERE COMBINED IN CYCLE 5. IN CYCLE 3 BOTH PARKING AREAS WERE UNPAVED, BUT THEY ARE NOW PAVED IN CYCLE 5.
0922ZZ	GLEN JEAN HEADQUARTERS RESTRICTED PARKING	ROUTES COMBINED	CYCLE 3 ROUTES 0919C, 0920 AND 0922 WERE COMBINED INTO ROUTE 0922ZZ BECAUSE THEY ARE ALL NONPUBLIC PARKING AREAS.
0923ZZ	GLEN JEAN HEADQUARTERS PUBLIC PARKING	ROUTES COMBINED	CYCLE 3 ROUTES 0919A, 0919B AND 0923 WERE COMBINED INTO ROUTE 0923ZZ BECAUSE THEY ARE ALL PUBLIC PARKING AREAS.
0926	THURMOND DEPOT PARKING AREA	SQ FEET CHANGE	IMPROVED GPS COLLECTED IN CYCLE 5; SQUARE FOOTAGE WAS UPDATED.
0947	SANDSTONE DISTRICT RIVER RANGER OFFICE PARKING	ROUTE NAME	ROUTE NAME CHANGED FROM "ZICKAFOOSE PARKING" TO "SANDSTONE DISTRICT RIVER RANGER OFFICE PARKING".
0961	GRANDVIEW SHELTER AREA 1 PARKING	SQ FEET CHANGE	IMPROVED GPS COLLECTED IN CYCLE 5; SQUARE FOOTAGE WAS UPDATED.
0965ZZ	GRANDVIEW AMPHITHEATER PARKING AREAS	ROUTES COMBINED	CYCLE 3 ROUTES 0965A AND 0965B WERE COMBINED (SUBCOMPONENT 0965A IS NOW LABELED AS BEING HANDICAPPED PARKING).
0967ZZ	GRANDVIEW OVERFLOW PARKING AREAS	ROUTES COMBINED	CYCLE 3 ROUTES 0965A, 0965B, 0965C, 0965D, 0965E, 0965F, AND 0965G WERE COMBINED INTO ROUTE 0967ZZ.

Section 3
Park Summary Information

New River Gorge National River

Federal Lands Highway
Road Inventory Program

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

F.C.	Pavement Condition Rating (PCR)								TOTAL MILES
	Poor (0-60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1			0.08	1.92%	0.22	5.29%	0.36	8.65%	**0.66**
2	0.02	0.48%	0.64	15.38%	1.43	34.38%	0.80	19.23%	**2.89**
3	0.02	0.48%	0.10	2.40%	0.20	4.81%	0.29	6.97%	**0.61**
4									
5									
6									
7									
8									
Totals	**0.04**	**0.96%**	**0.82**	**19.71%**	**1.85**	**44.47%**	**1.45**	**34.85%**	**4.16**

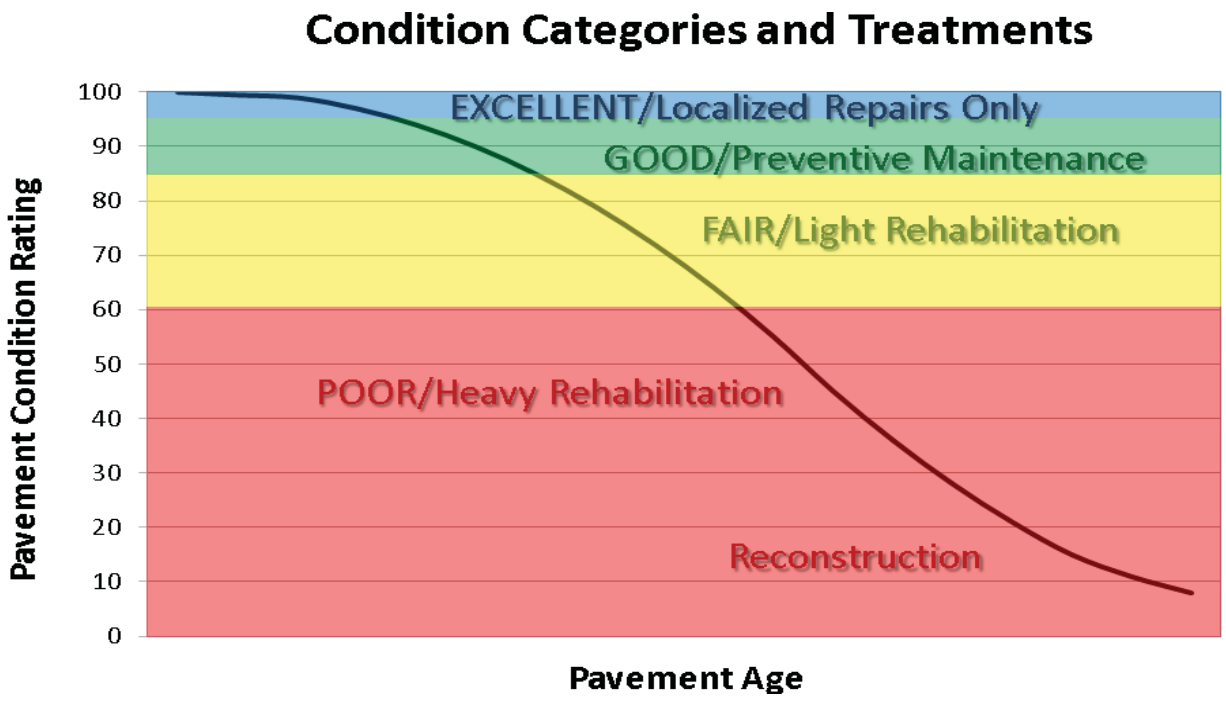
Note: **The information in this table is derived from the PMS_20 table in the Park database, which only contains processed data from routes collected with the Data Collection Vehicle (DCV). Information for Manually Rated Routes (MRR) and Parking Areas is not reported in this table. Only Functional Class 1, 2, & 7 routes, and any new routes not previously collected by RIP, are collected in Large Parks.**

Explanation of the Excellent, Good, Fair and Poor Condition Descriptions

In addition to the RIP Index changes that have been implemented in Cycle 5, we will also aim to provide greater assistance in translating excellent/good/fair/poor categories into pavement needs categories. The PCR can be used to indicate the place in the Pavement Life Cycle and the types of treatments that should be considered now and into the future.

- Excellent/New: PCR of 95-100. Pavements in this range will require only spot repairs
- Good: PCR of 85-94. Pavements in this range will likely be candidates for Preventive Maintenance. Examples include Chip and Slurry Seals, Micro Surfacing and Thin Overlays.
- Fair: PCR of 61-84. Pavements in this range will likely be candidates of Light Rehabilitation (L3R). Examples include single-lift overlays up to 2.5 inches in total thickness, milling and overlays.
- Poor: PCR of 0-60. Pavements in this range will likely be candidates of Heavy Rehabilitation or Reconstruction (H3R or 4R). Examples include Pulverization, Multiple Lift Overlays, and Reconstruction.

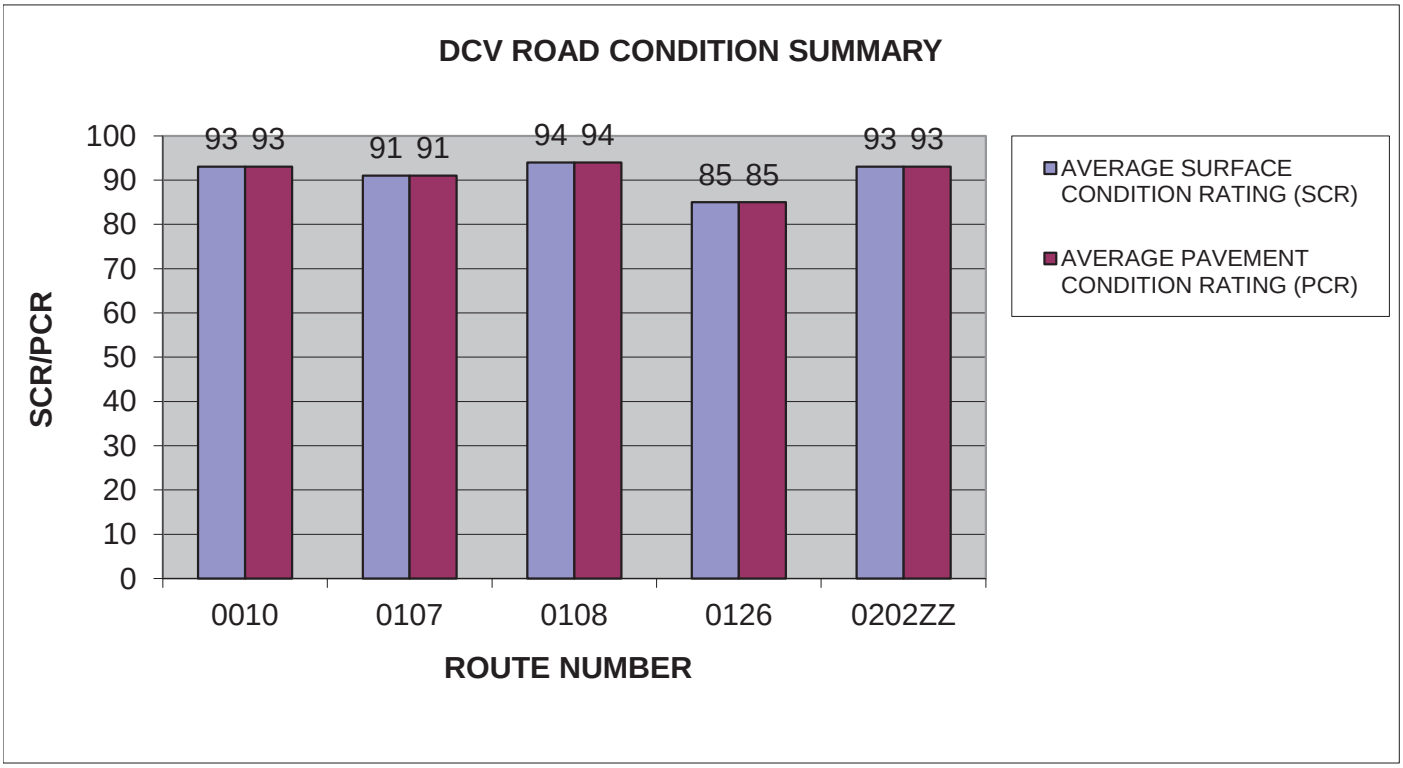
At this time, specific Maintenance and Rehabilitation activities should be evaluated and recommended at the project level. Site-specific conditions that influence treatment type should be determined based on performing a subsurface investigation and/or pavement condition survey, and not be based solely on RIP data. Additionally, RIP produces a snapshot of conditions the year in which the data was collected. For further information or to obtain additional Pavement Management System's data from our Highway Pavement Management Application (HPMA) please contact the Eastern Federal Lands pavement team.



NERI: DCV ROAD CONDITION SUMMARY

DCV - Data Collection Vehicle

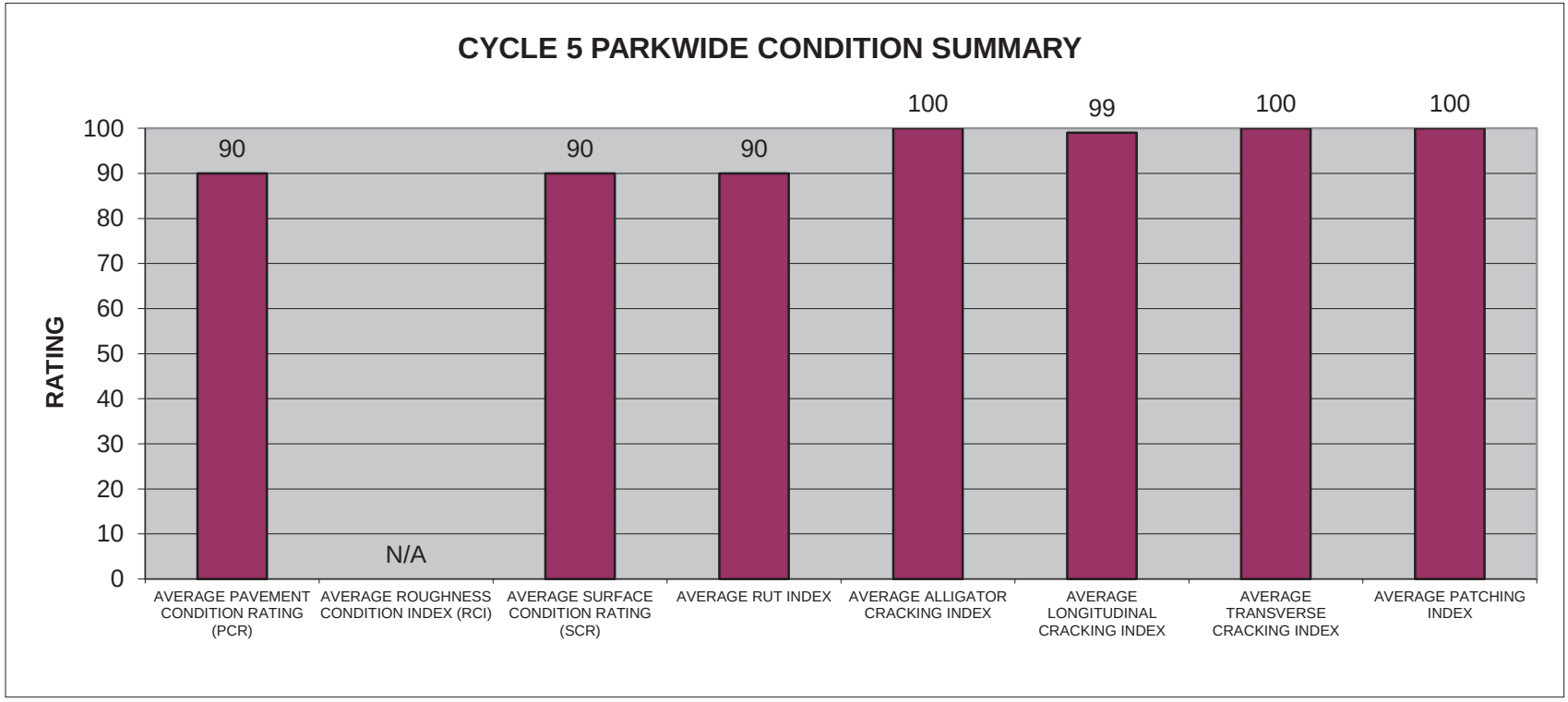
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	PAVED LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0010	GRANDVIEW ROAD	1	0.66	ASPHALT	93	93
0107	CUNARD ROAD	2	1.63	ASPHALT	91	91
0108	COAL RUN (FISHERMAN'S ACCESS) ROAD	2	0.08	ASPHALT	94	94
0126	TURKEY SPUR ROAD	2	1.18	ASPHALT	85	85
0202ZZ	GRANDVIEW VISITOR CENTER ROADS	3	0.60	ASPHALT	93	93



NERI: PARKWIDE DCV 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
90	N/A	90	90	100	99	100	100

All Index values are based on Data Collection Vehicle (DCV) driven roads that were collected in Cycle-5.
Roughness data is only collected on routes with lengths greater than 0.5 miles and a posted speed limit of 25 MPH or greater.

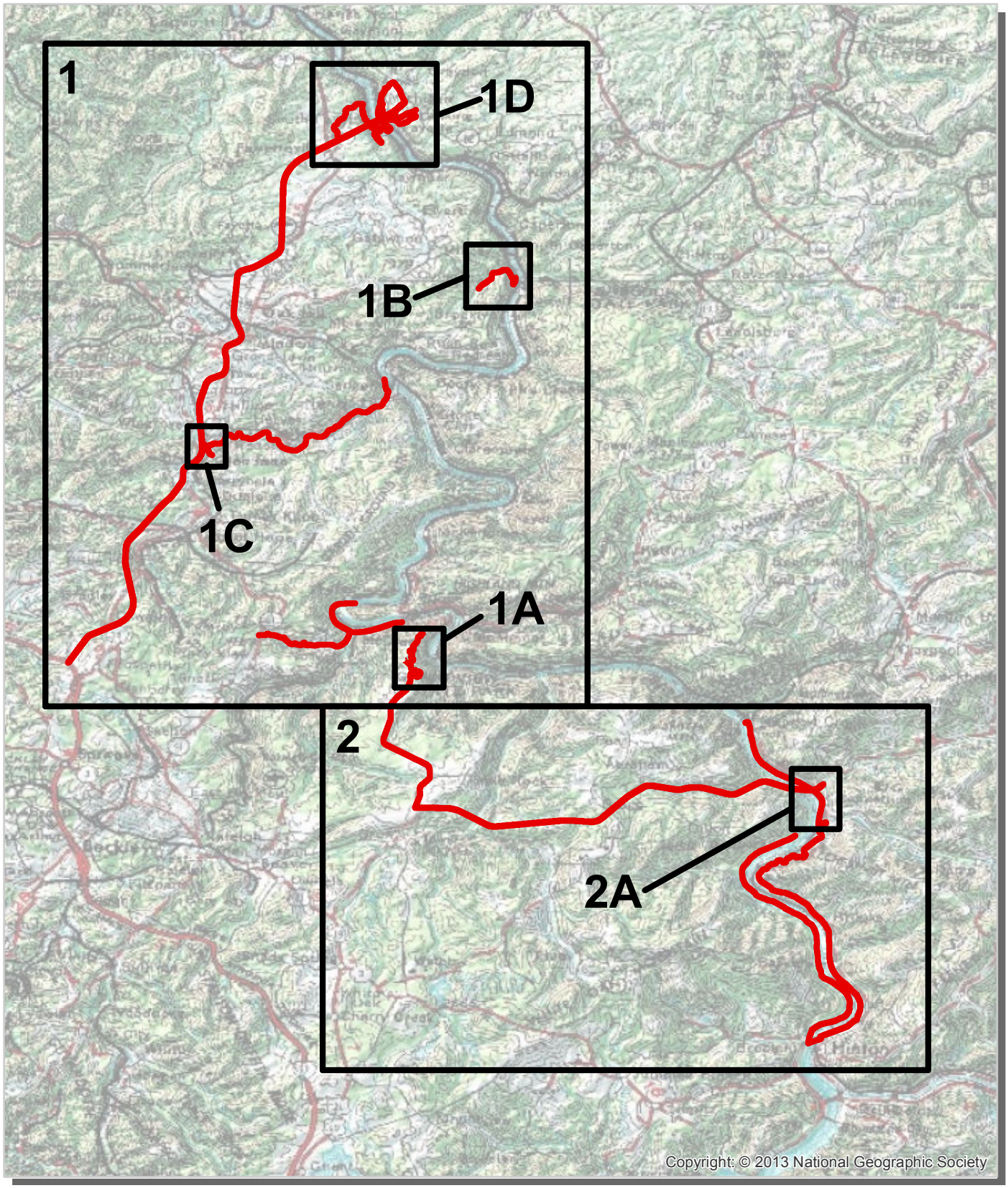


Section 4
Park Route Location Maps

New River Gorge National River

Federal Lands Highway
Road Inventory Program

New River Gorge National River
Route Location Map
Key Map

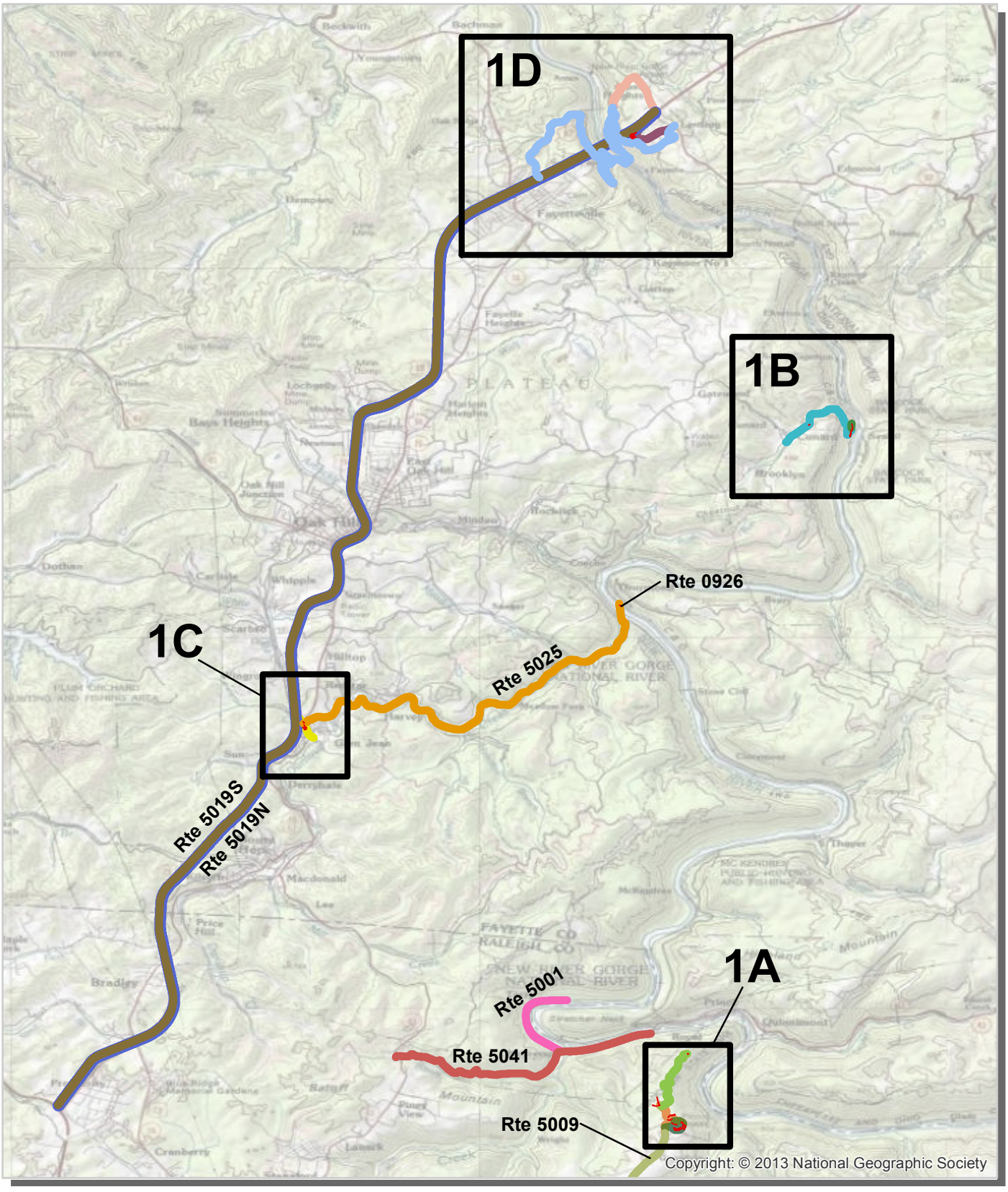


Cycle 5 Collected Routes

5 2.5 0 5
Miles

N

New River Gorge National River
Route Location Map
Area 1

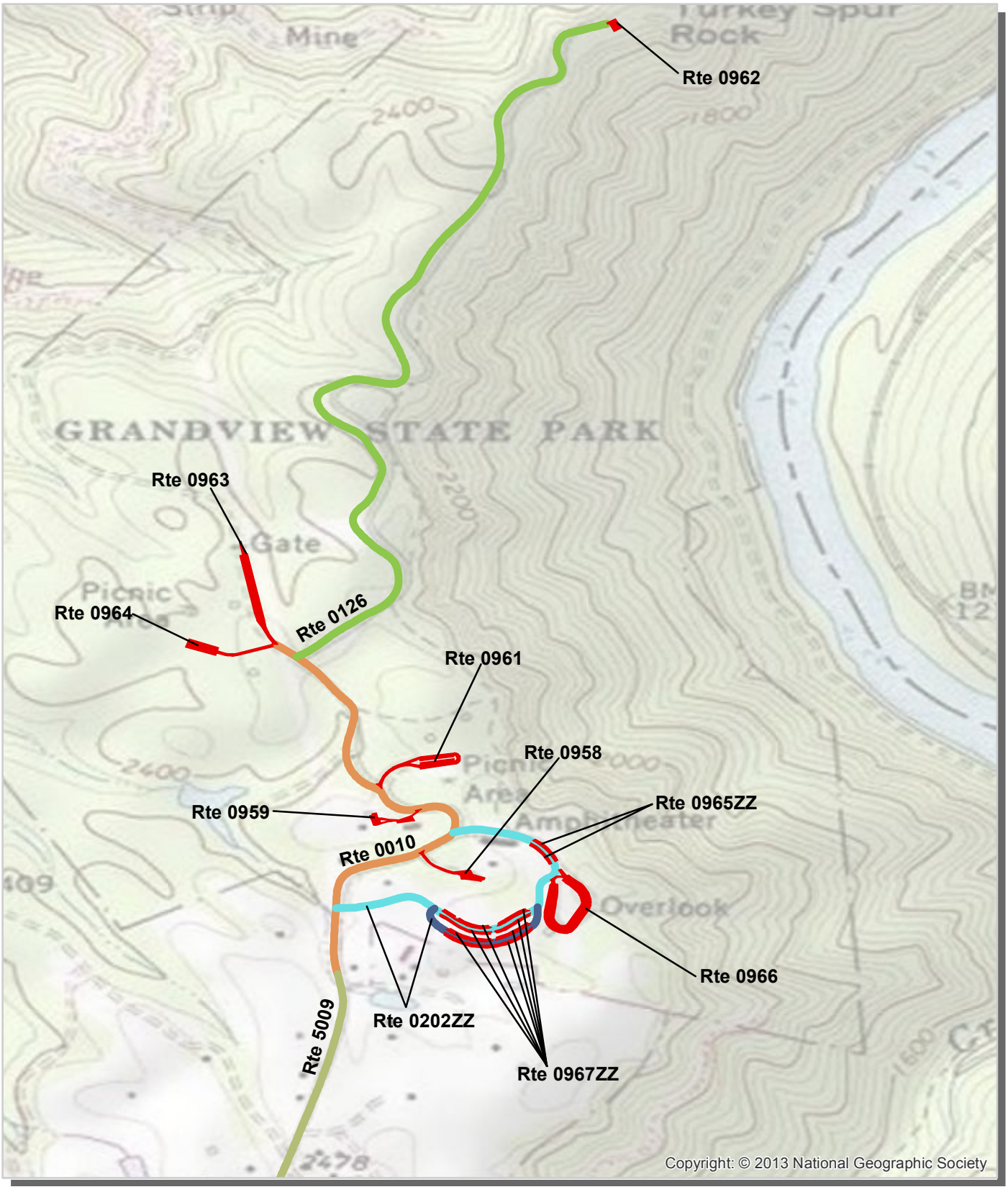


Unique colors used to differentiate routes

3 1.5 0 3 Miles

N

New River Gorge National River
Route Location Map
Area 1A



Unique colors used to differentiate routes

0.25 0.125 0 0.25 Miles

N

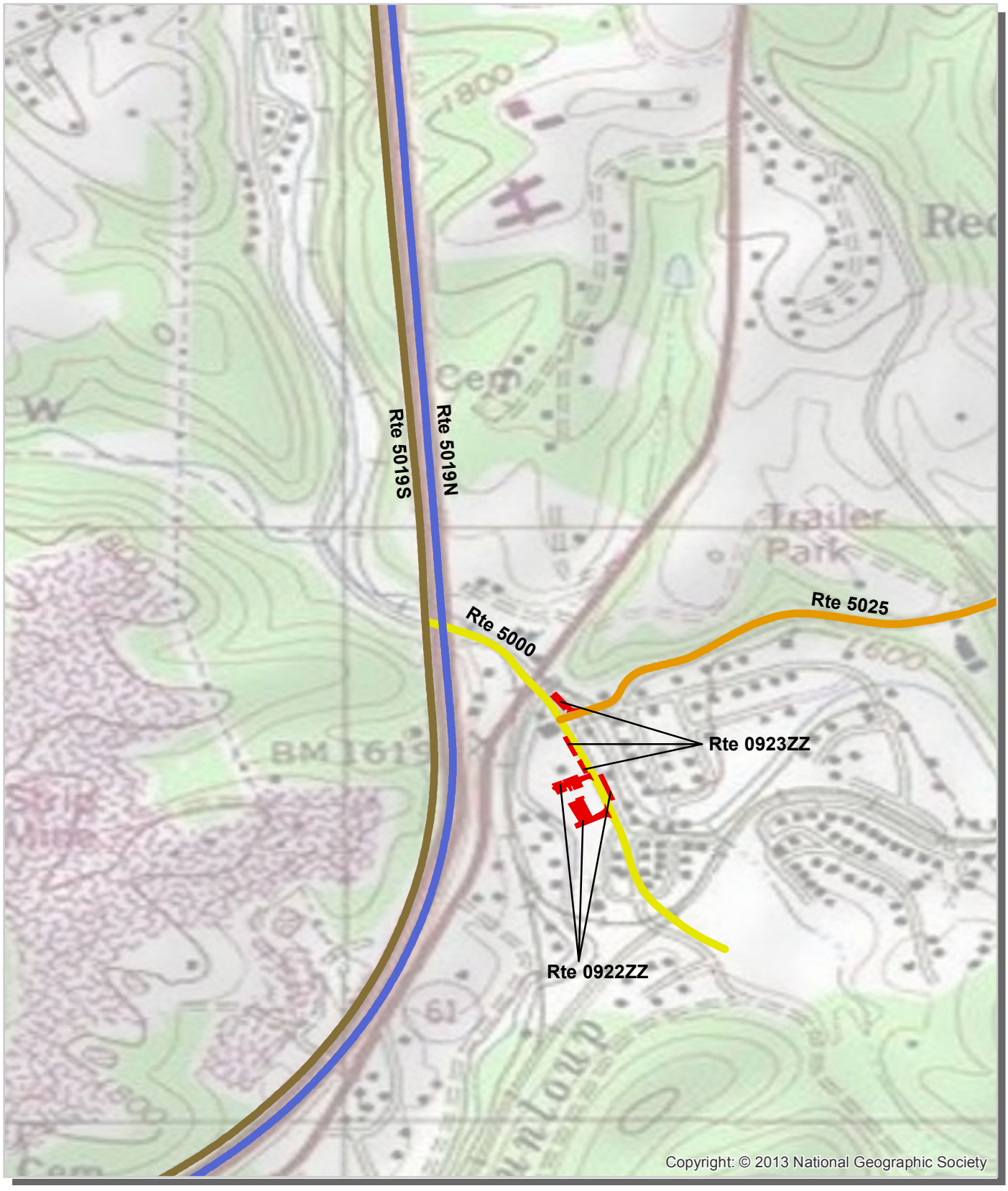
New River Gorge National River
Route Location Map
Area 1B

Unique colors used to differentiate routes

0.3 0.15 0 0.3 Miles

N

New River Gorge National River
Route Location Map
Area 1C

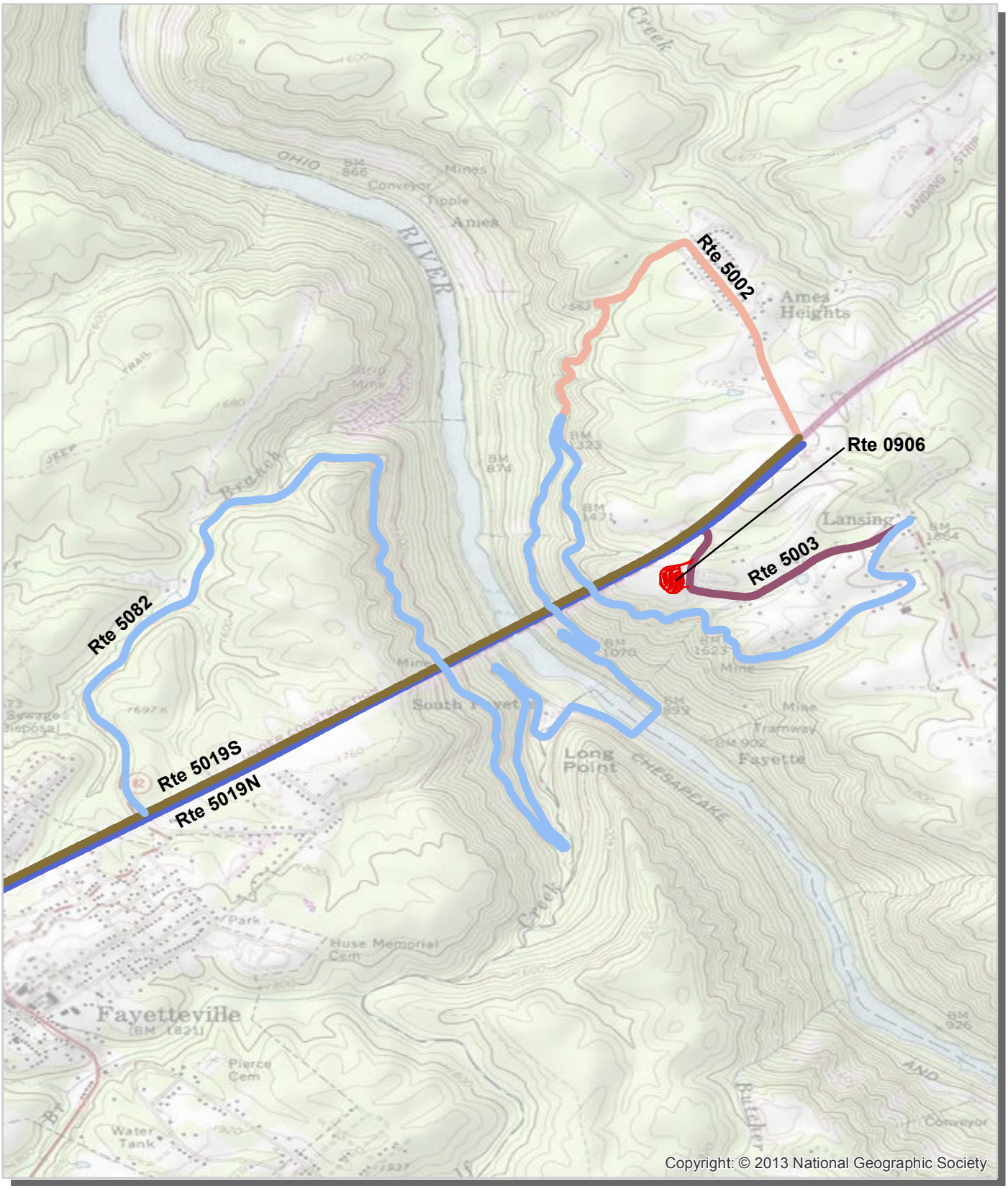


Unique colors used to differentiate routes

0.15 0.075 0 0.15
Miles

N

New River Gorge National River
Route Location Map
Area 1D

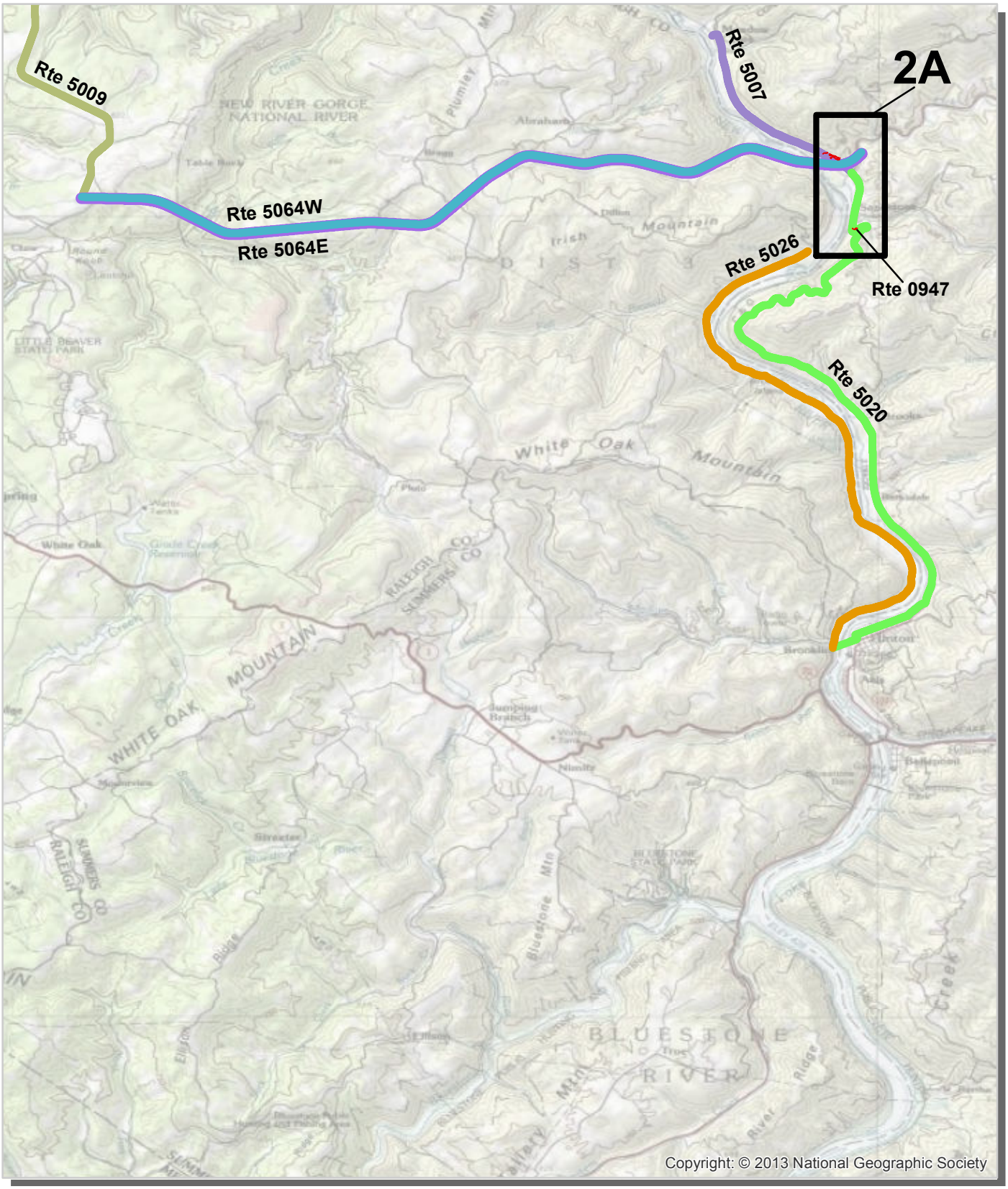


Unique colors used to differentiate routes

0.5 0.25 0 0.5 Miles

N

New River Gorge National River
Route Location Map
Area 2

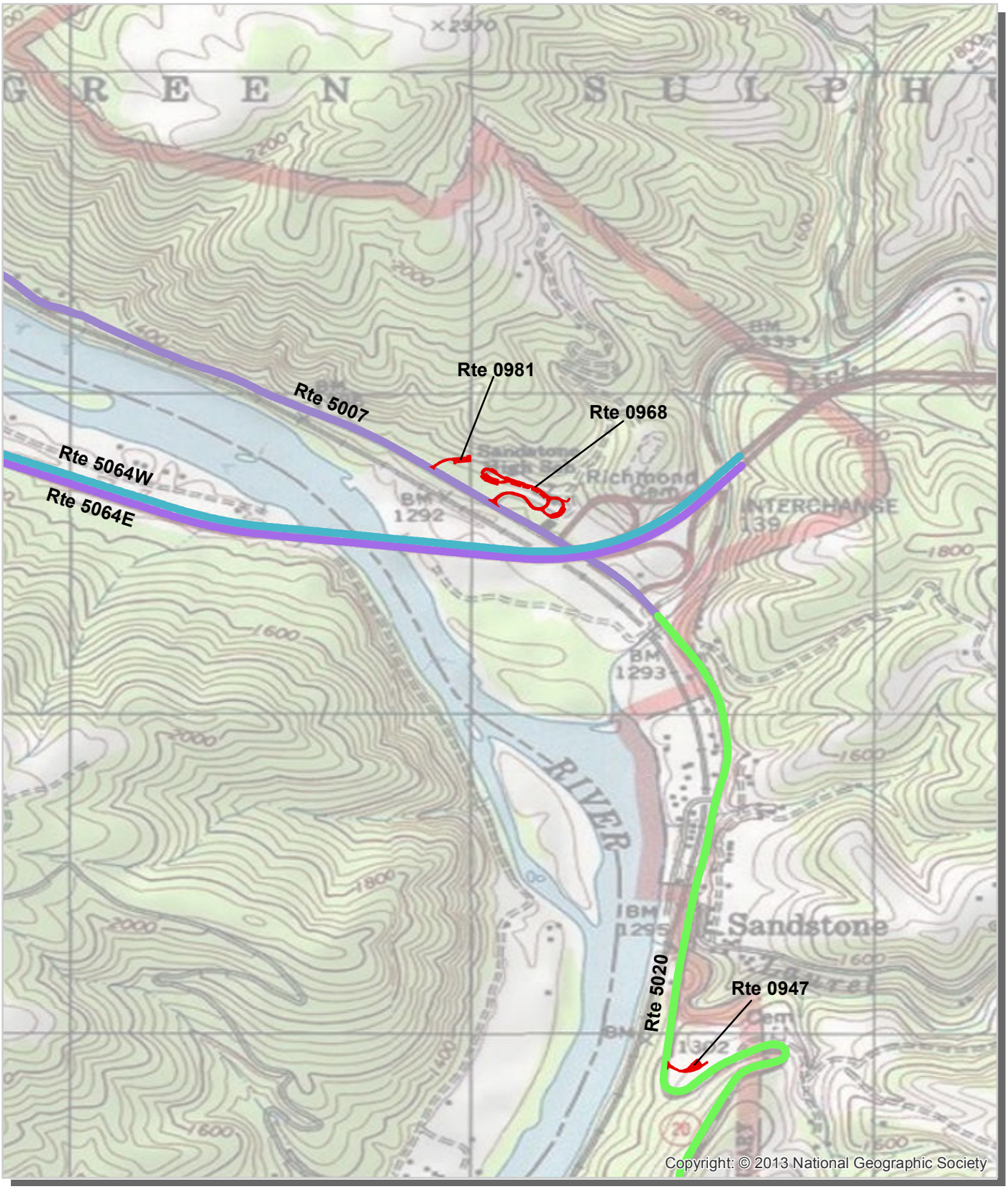


Unique colors used to differentiate routes

2.5 1.25 0 2.5
Miles

N

New River Gorge National River
Route Location Map
Area 2A

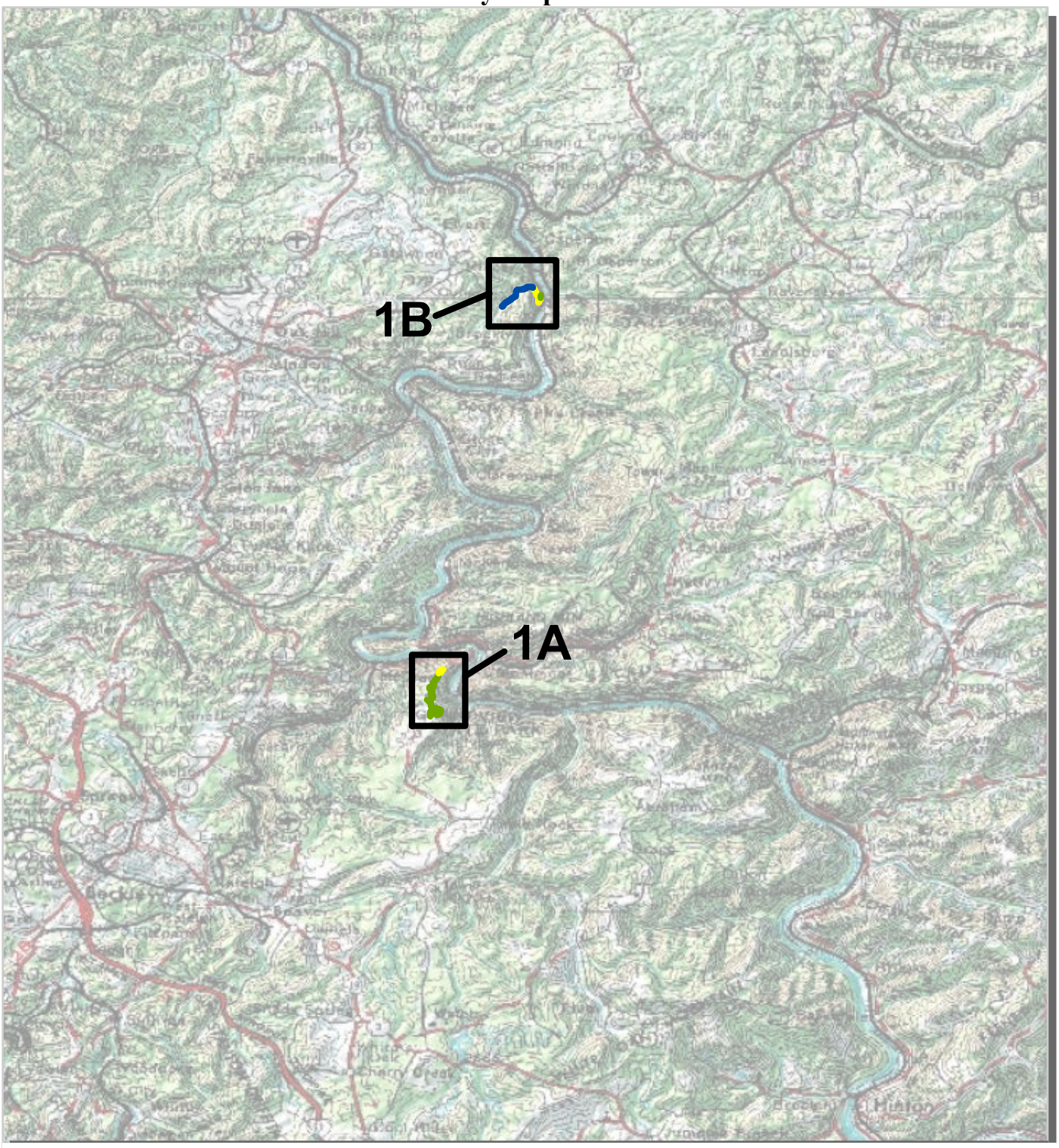


Unique colors used to differentiate routes

0.35 0.175 0 0.35 Miles

N

New River Gorge National River
Route Condition Map
PCR - Mile by Mile
Key Map



PCR Poor (0 - 60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

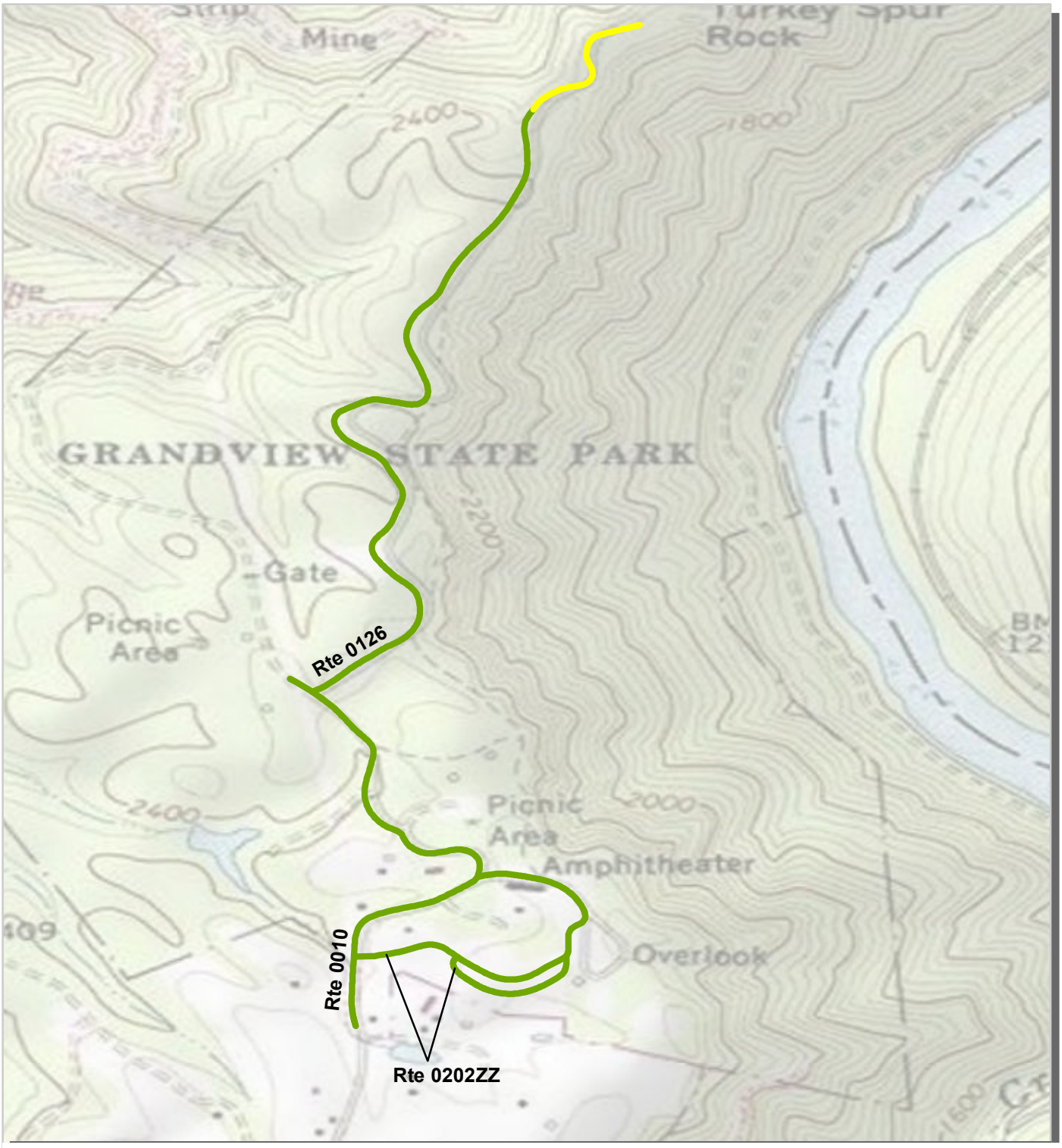
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

Note: Only routes collected by the DCV in Cycle-5 are displayed.

5 2.5 0 5 Miles

N

New River Gorge National River
Route Condition Map
PCR - Mile by Mile
Area 1A



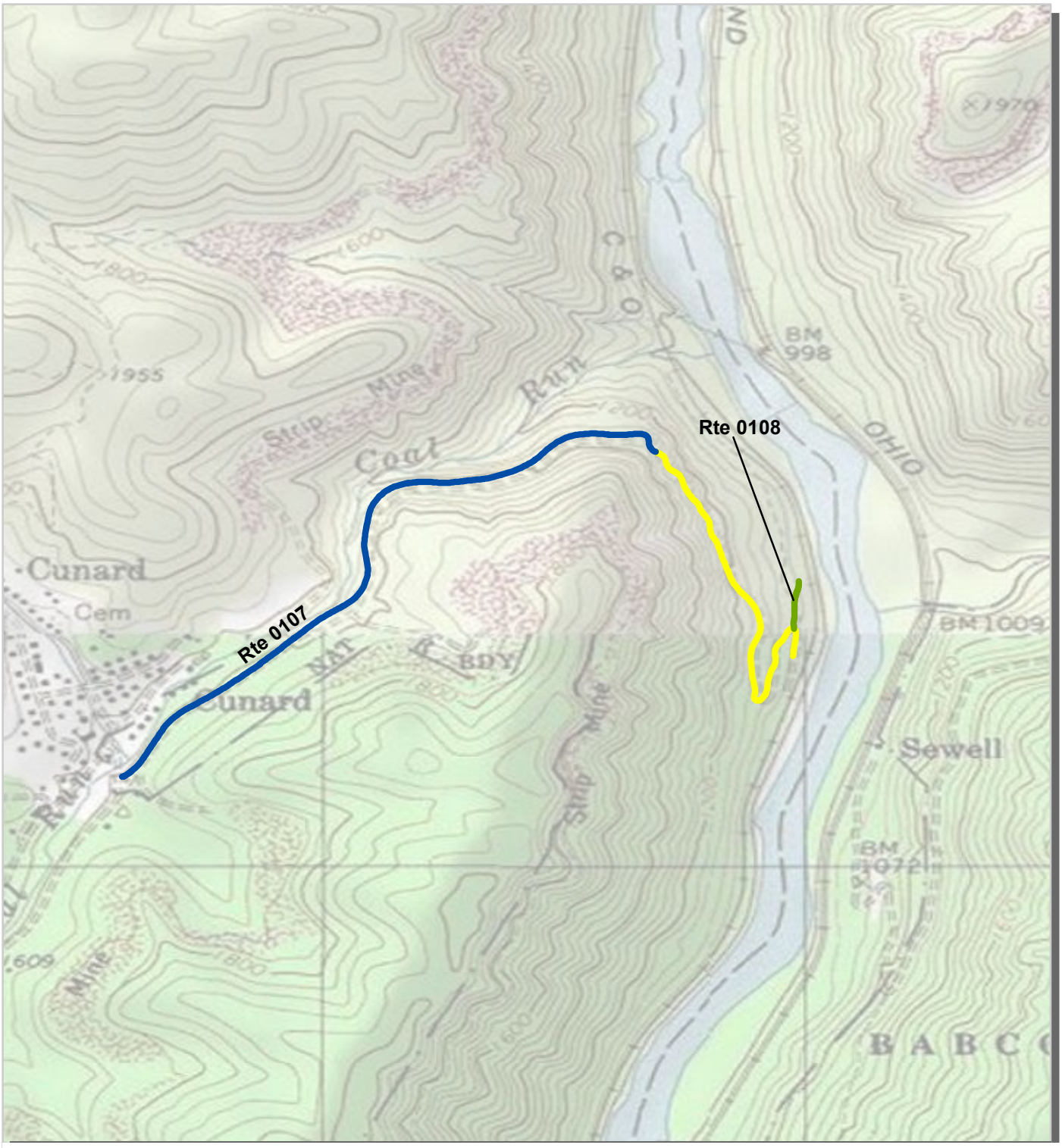
PCR	Poor	Fair	Good	Excellent	No Data
	(0 - 60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

0.25 0.125 0 0.25 Miles

N

New River Gorge National River
Route Condition Map
PCR - Mile by Mile
Area 1B



PCR — Poor (0 - 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.

0.3 0.15 0 0.3 Miles

N

Section 5
Paved Route
Condition Rating Sheets

New River Gorge National River

Federal Lands Highway
Road Inventory Program

PCR Poor (0 - 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: 0010 GRANDVIEW ROAD
NERI : NEW RIVER GORGE NATIONAL RIVER

COLLECTED: 11/6/2013

NORTHEAST REGION **TOTAL LENGTH: 0.66 Miles**

Section Number	0				
Section Length (mi)	0.66				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Roadway Condition Information					
SCR (Surface Condition Rating)	93				
PCR (Pavement Condition Rating)	93				
Distress Index Values					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	93				
Roughness Condition Index (RCI)	NC				

NOTES:

Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

See Section 10 for explanation of SCR, PCR, & all Distress Index Values.

NC - Not Collected N/A - Not Applicable

PCR Poor (0 - 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: 0107 CUNARD ROAD

NERI : NEW RIVER GORGE NATIONAL RIVER

COLLECTED: 11/6/2013

NORTHEAST REGION **TOTAL LENGTH: 1.63 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.63			
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	19	20			
Lane Width (ft)	9	9			
Roadway Condition Information					
SCR (Surface Condition Rating)	96	84			
PCR (Pavement Condition Rating)	96	84			
Distress Index Values					
Structural Crack Index	100	100			
Transverse Cracking Index	100	100			
Patching Index	100	100			
Rutting Index	96	84			
Roughness Condition Index (RCI)	NC	NC			

NOTES:

Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

See Section 10 for explanation of SCR, PCR, & all Distress Index Values.

NC - Not Collected N/A - Not Applicable

PCR Poor (0 - 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: 0108 COAL RUN (FISHERMAN'S ACCESS) ROAD
NERI : NEW RIVER GORGE NATIONAL RIVER

COLLECTED: 11/6/2013

NORTHEAST REGION **TOTAL LENGTH: 0.08 Miles**

Section Number	0				
Section Length (mi)	0.08				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Roadway Condition Information					
SCR (Surface Condition Rating)	94				
PCR (Pavement Condition Rating)	94				
Distress Index Values					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	94				
Roughness Condition Index (RCI)	NC				

NOTES:

Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

See Section 10 for explanation of SCR, PCR, & all Distress Index Values.

NC - Not Collected N/A - Not Applicable

PCR Poor (0 - 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: 0126 TURKEY SPUR ROAD
NERI : NEW RIVER GORGE NATIONAL RIVER

COLLECTED: 11/6/2013

NORTHEAST REGION **TOTAL LENGTH: 1.18 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.18			
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	17	17			
Lane Width (ft)	8	9			
Roadway Condition Information					
SCR (Surface Condition Rating)	86	81			
PCR (Pavement Condition Rating)	86	81			
Distress Index Values					
Structural Crack Index	98	100			
Transverse Cracking Index	100	100			
Patching Index	100	98			
Rutting Index	86	81			
Roughness Condition Index (RCI)	NC	NC			

NOTES:

Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

See Section 10 for explanation of SCR, PCR, & all Distress Index Values.

NC - Not Collected N/A - Not Applicable

PCR Poor (0 - 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: 0202ZZ GRANDVIEW VISITOR CENTER ROADS
NERI : NEW RIVER GORGE NATIONAL RIVER

Summary Record **COLLECTED: 11/6/2013**
NORTHEAST REGION **TOTAL LENGTH: 0.60 Miles**

Section Number					
Section Length (mi)					
Cross Section Information					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
Roadway Condition Information					
SCR (Surface Condition Rating)	93				
PCR (Pavement Condition Rating)	93				
Distress Index Values					
Structural Crack Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

NOTES:
Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.
See Section 10 for explanation of SCR, PCR, & all Distress Index Values.
NC - Not Collected N/A - Not Applicable

PCR Poor (0 - 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: 0202AZ GRANDVIEW VISITOR CENTER ROAD

NERI : NEW RIVER GORGE NATIONAL RIVER

Subcomponent Record **COLLECTED: 11/6/2013**

NORTHEAST REGION **TOTAL LENGTH: 0.44 Miles**

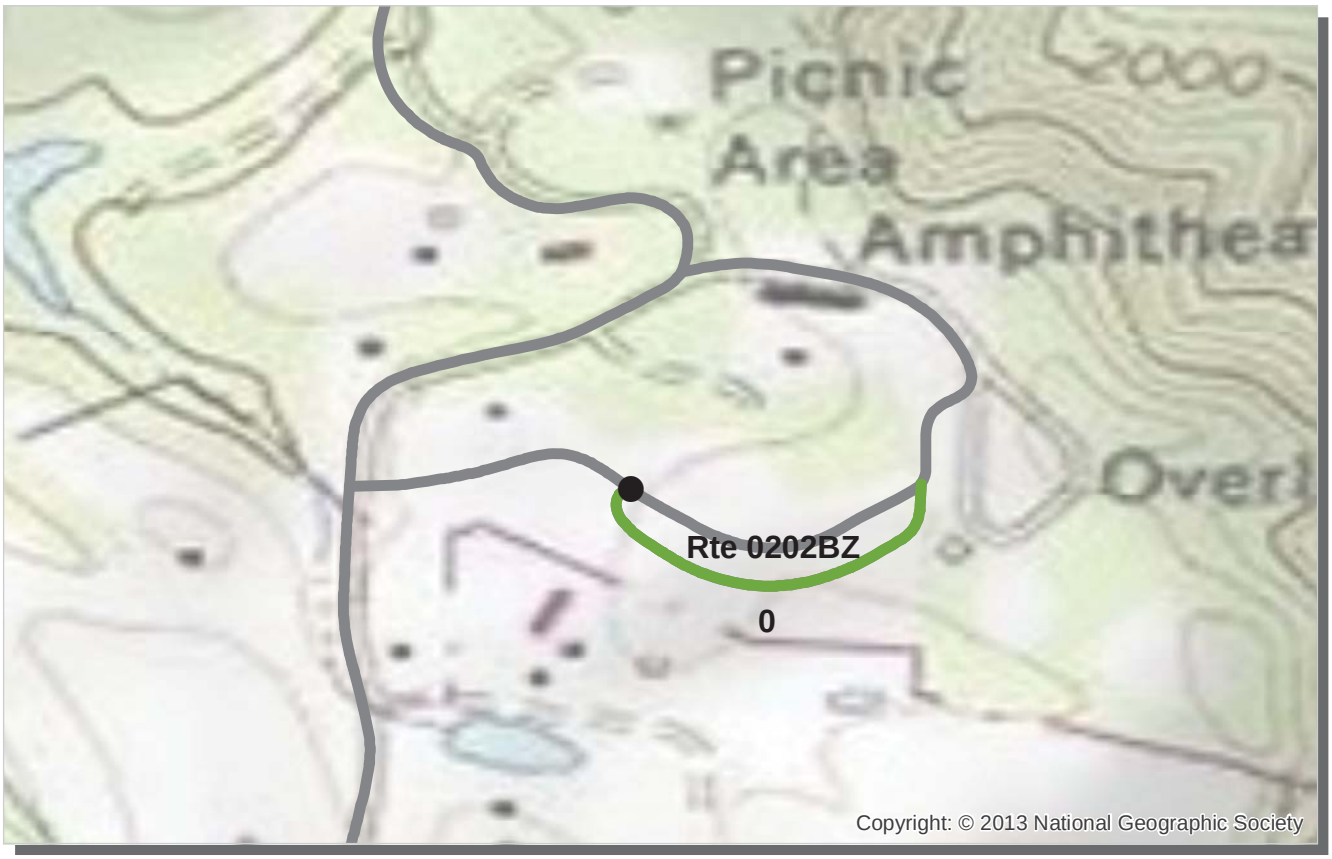
Section Number	0				
Section Length (mi)	0.44				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	19				
Lane Width (ft)	15				
Roadway Condition Information					
SCR (Surface Condition Rating)	94				
PCR (Pavement Condition Rating)	94				
Distress Index Values					
Structural Crack Index	98				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	94				
Roughness Condition Index (RCI)	NC				

NOTES:

Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

See Section 10 for explanation of SCR, PCR, & all Distress Index Values.

NC - Not Collected N/A - Not Applicable



PCR Poor (0 - 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: 0202BZ GRANDVIEW VISITOR CENTER ROAD ADDITIONAL PARKING LOOP
NERI : NEW RIVER GORGE NATIONAL RIVER

Subcomponent Record **COLLECTED: 11/6/2013**

NORTHEAST REGION **TOTAL LENGTH: 0.17 Miles**

Section Number	0				
Section Length (mi)	0.17				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	20				
Lane Width (ft)	20				
Roadway Condition Information					
SCR (Surface Condition Rating)	90				
PCR (Pavement Condition Rating)	90				
Distress Index Values					
Structural Crack Index	90				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	94				
Roughness Condition Index (RCI)	NC				

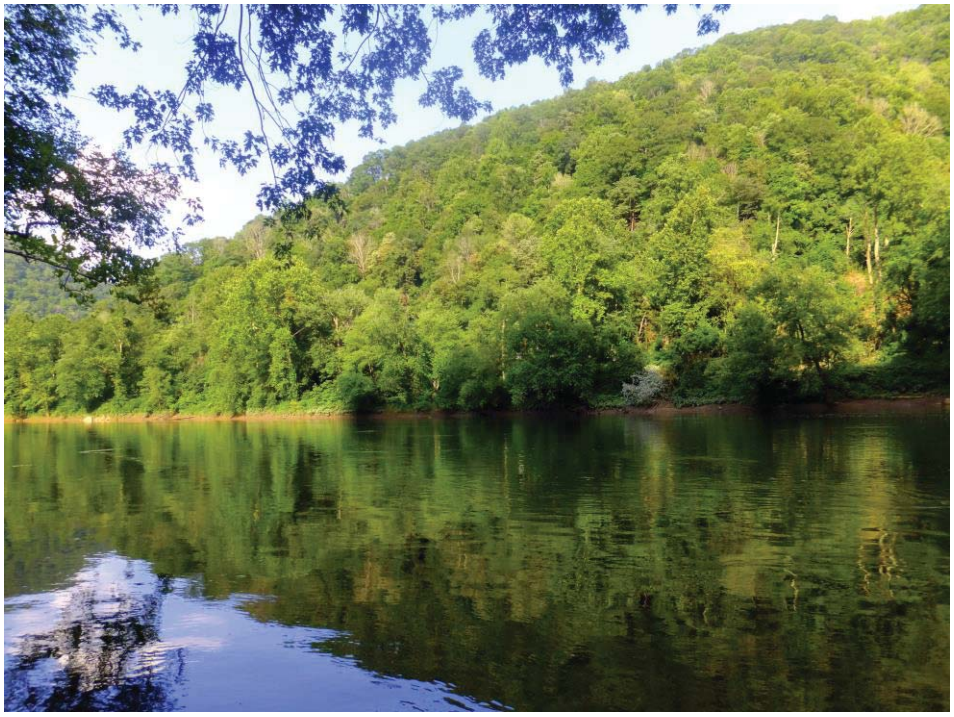
NOTES:

Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

See Section 10 for explanation of SCR, PCR, & all Distress Index Values.

NC - Not Collected N/A - Not Applicable

Section 6
Manually Rated Paved Route Condition Rating Sheets



New River Gorge National River

Federal Lands Highway
Road Inventory Program

MANUALLY RATED ROUTE CONDITION RATING SHEETS

No data available for this section.

Section 7
Parking Area
Condition Rating Sheets

New River Gorge National River

Federal Lands Highway
Road Inventory Program

NEW RIVER GORGE NATIONAL RIVER

Route 0906

CANYON RIM VISITOR CENTER PARKING

FROM ROUTE 5003 (FAYETTE MINE ROAD)

TO ROUTE 5003 (FAYETTE MINE ROAD)

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0906	PUBLIC	8/6/2013	90,108	1.55	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	11	0	CONCRETE CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths

NEW RIVER GORGE NATIONAL RIVER
Route 0913
CUNARD HORSE TRAIL PARKING AREA
ADJACENT TO ROUTE 0107 (CUNARD ROAD)

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0913	PUBLIC	8/6/2013	4,788	0.08	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths

180 90 0 180
Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0914ZZ

CUNARD PUBLIC USE PARKING AREAS

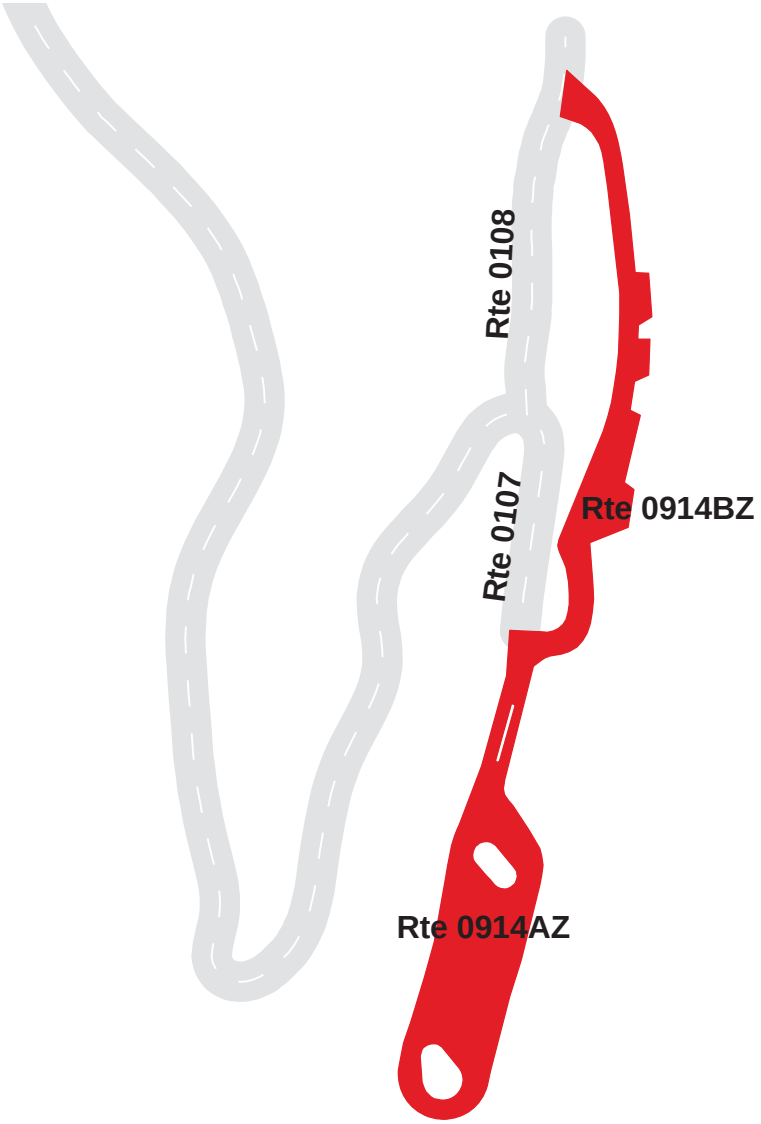
FROM ROUTE 0107 (CUNARD ROAD)

TO ROUTE 0108 (COAL RUN (FISHERMAN'S ACCESS) ROAD) AND ROUTE 0109 (BROOKLYN BOTTOM ROAD)

Summary Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0914ZZ	PUBLIC	8/6/2013	42,181	0.73	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
1	2	1	CONCRETE CURB AND GUTTER	CONCRETE CURB	SUMMARY/90

* Lane miles are based on 11' lane widths



450 225 0 450 Feet

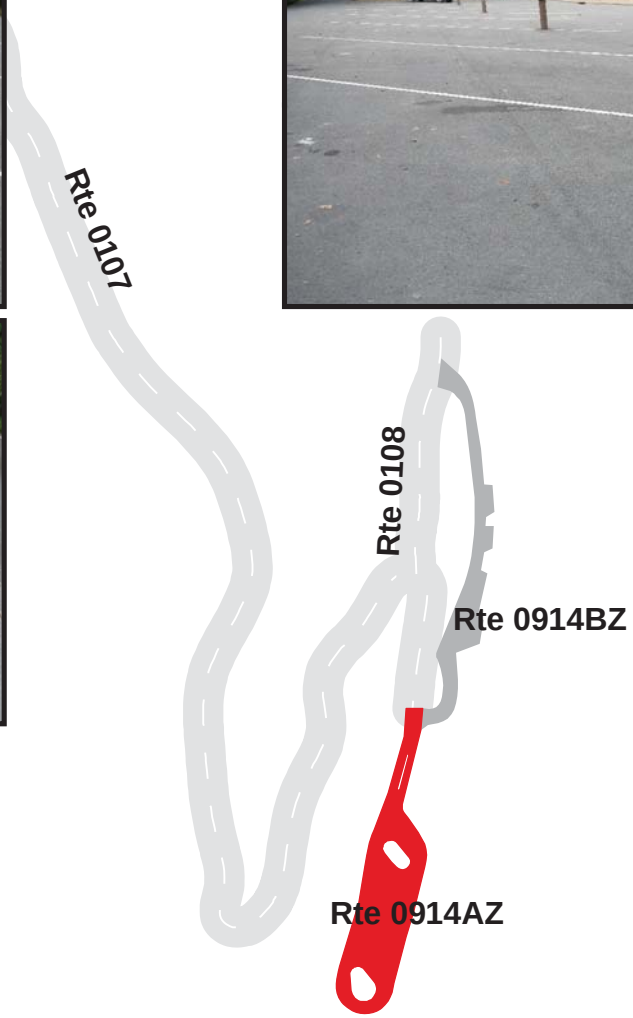
N

NEW RIVER GORGE NATIONAL RIVER
Route 0914AZ

CUNARD PUBLIC USE PARKING AREA A
FROM END OF ROUTE 0107 (CUNARD ROAD)
TO ROUTE 0109 (BROOKLYN BOTTOM ROAD)
Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0914AZ	PUBLIC	8/6/2013	26,380	0.45	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	2	1	CONCRETE CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



720 360 0 720
Feet

N

NEW RIVER GORGE NATIONAL RIVER
Route 0914BZ

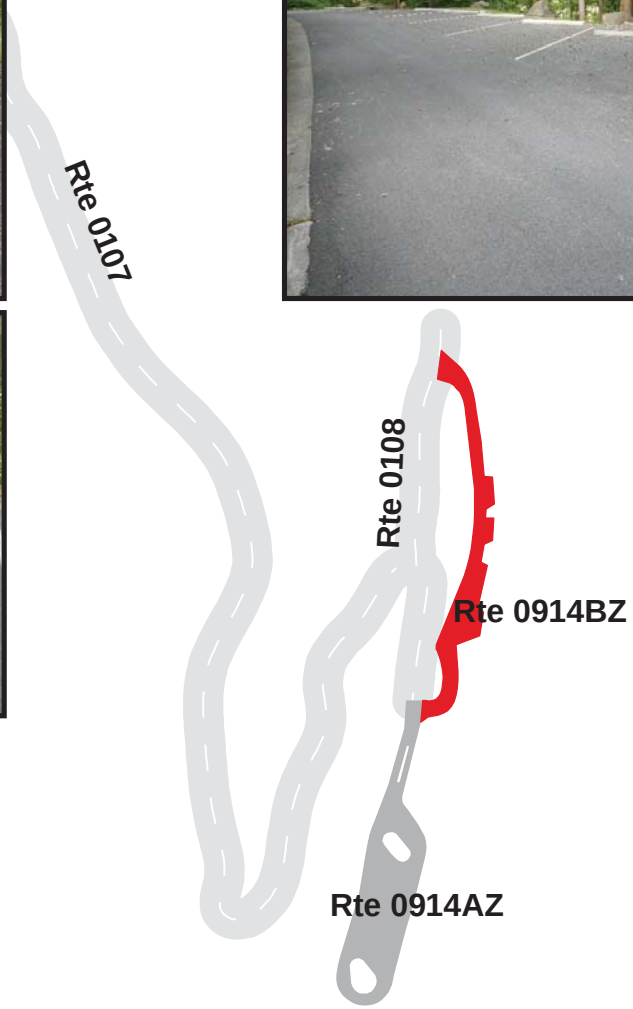
CUNARD PUBLIC USE PARKING AREA B

FROM ROUTE 0914AZ (CUNARD PUBLIC USE PARKING AREA A)
TO ROUTE 0108 (COAL RUN (FISHERMAN'S ACCESS) ROAD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0914BZ	PUBLIC	8/6/2013	15,801	0.27	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
1	0	0	CONCRETE CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



720 360 0 720 Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0922ZZ

GLEN JEAN HEADQUARTERS RESTRICTED PARKING

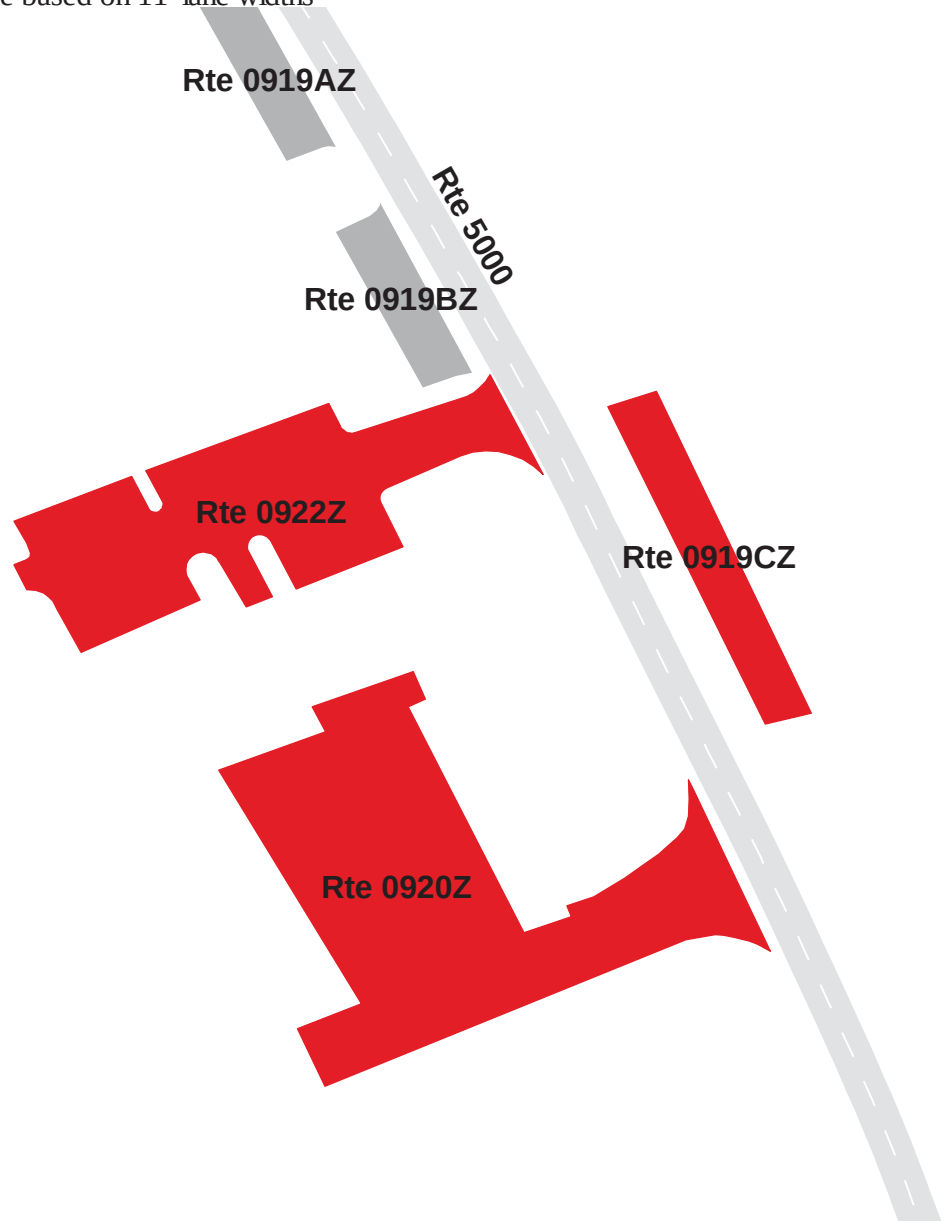
FROM ROUTE 5000 (MAIN STREET (GLEN JEAN))

TO PARKING

Summary Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0922ZZ	NONPUBLIC	8/6/2013	24,279	0.42	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	3	1	CONCRETE CURB AND GUTTER	CONCRETE CURB	SUMMARY/60

* Lane miles are based on 11' lane widths



NEW RIVER GORGE NATIONAL RIVER
Route 0919CZ

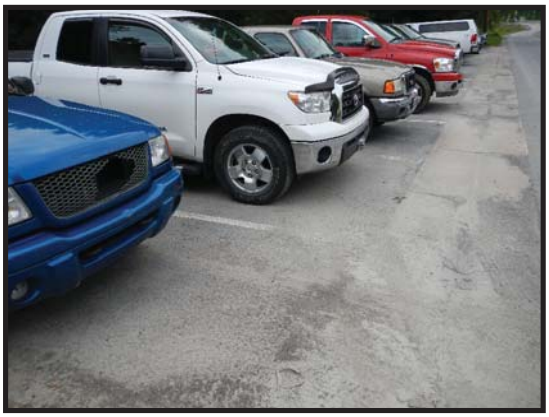
GLEN JEAN HEADQUARTERS PARKING C

ADJACENT TO ROUTE 5000 (MAIN STREET (GLEN JEAN)) ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0919CZ	NONPUBLIC	8/6/2013	2,560	0.04	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	CONCRETE CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



225 112.5 0 225 Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0920Z

GLEN JEAN HEADQUARTERS MAINTENANCE COMPOUND PARKING

FROM ROUTE 5000 (MAIN STREET (GLEN JEAN))

TO MAINTENANCE AREA AND ROUTE 0921

(GLEN JEAN HEADQUARTERS MAINTENANCE COMPOUND PARKING (GRAVEL))

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0920Z	NONPUBLIC	8/6/2013	13,015	0.22	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	2	1	CONCRETE CURB AND GUTTER	CONCRETE CURB	POOR/45

* Lane miles are based on 11' lane widths

225 112.5 0 225 Feet

N

NEW RIVER GORGE NATIONAL RIVER
Route 0922Z
GLEN JEAN ADMINISTRATIVE PARKING AREA
FROM ROUTE 5000 (MAIN STREET (GLEN JEAN))
TO PARKING
Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0922Z	NONPUBLIC	8/6/2013	8,704	0.15	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	1	0	CONCRETE CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths

225 112.5 0 225
Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0923ZZ

GLEN JEAN HEADQUARTERS PUBLIC PARKING

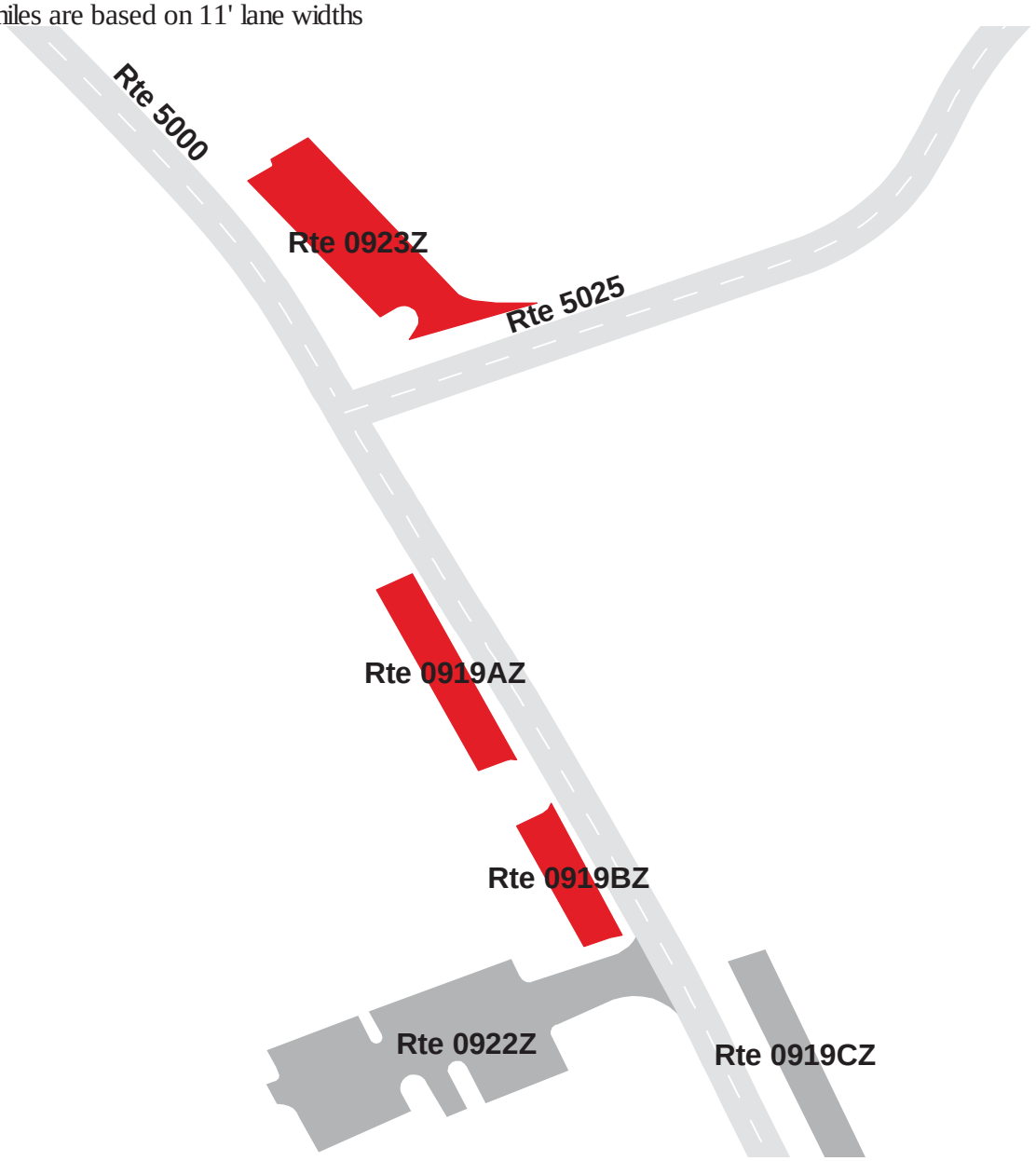
FROM ROUTE 5000 (MAIN STREET (GLEN JEAN))

TO PARKING

Summary Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0923ZZ	PUBLIC	8/6/2013	7,355	0.13	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	2	0	CONCRETE CURB AND GUTTER	CONCRETE CURB	SUMMARY/90

* Lane miles are based on 11' lane widths



210 105 0 210 Feet

N

NEW RIVER GORGE NATIONAL RIVER
Route 0919AZ
GLEN JEAN HEADQUARTERS PARKING A
ADJACENT TO ROUTE 5000 (MAIN STREET (GLEN JEAN)) ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0919AZ	PUBLIC	8/6/2013	1,852	0.03	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	1	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths

NEW RIVER GORGE NATIONAL RIVER
Route 0919BZ

GLEN JEAN HEADQUARTERS PARKING B

ADJACENT TO ROUTE 5000 (MAIN STREET (GLEN JEAN)) ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0919BZ	PUBLIC	8/6/2013	1,305	0.02	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths

NEW RIVER GORGE NATIONAL RIVER

Route 0923Z

GLEN JEAN BANK PARKING AREA

FROM ROUTE 5025 (STATE ROUTE 25 (THURMOND ROAD))

TO PARKING

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0923Z	PUBLIC	8/6/2013	4,198	0.07	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	1	0	CONCRETE CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths

NEW RIVER GORGE NATIONAL RIVER

Route 0926

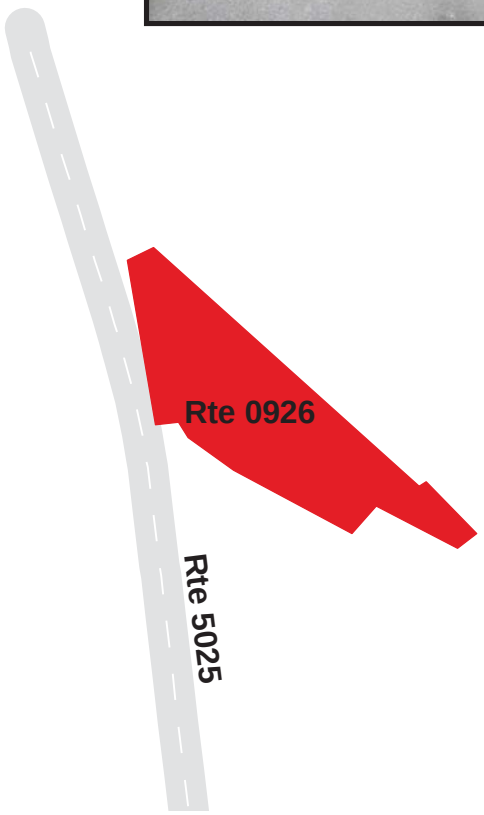
THURMOND DEPOT PARKING AREA

FROM ROUTE 5025 (STATE ROUTE 25 (THURMOND ROAD))

TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0926	PUBLIC	8/6/2013	5,399	0.09	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	2	0	NO CURB AND GUTTER	CONCRETE & WOOD CURB	FAIR/73

* Lane miles are based on 11' lane widths



180 90 0 180

Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0947

SANDSTONE DISTRICT RIVER RANGER OFFICE PARKING

FROM ROUTE 5020 (STATE ROUTE 20)

TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0947	NONPUBLIC	8/6/2013	14,485	0.25	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
1	0	1	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths

270 135 0 270

Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0958

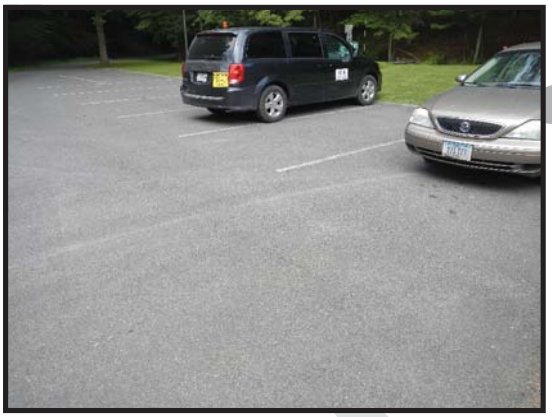
GRANDVIEW DRESSING ROOM PARKING

FROM ROUTE 0010 (GRANDVIEW ROAD)

TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0958	NONPUBLIC	8/6/2013	11,540	0.20	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
2	0	1	NO CURB AND GUTTER	ASPHALT CURB	GOOD/90

* Lane miles are based on 11' lane widths



360 180 0 360

Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0959

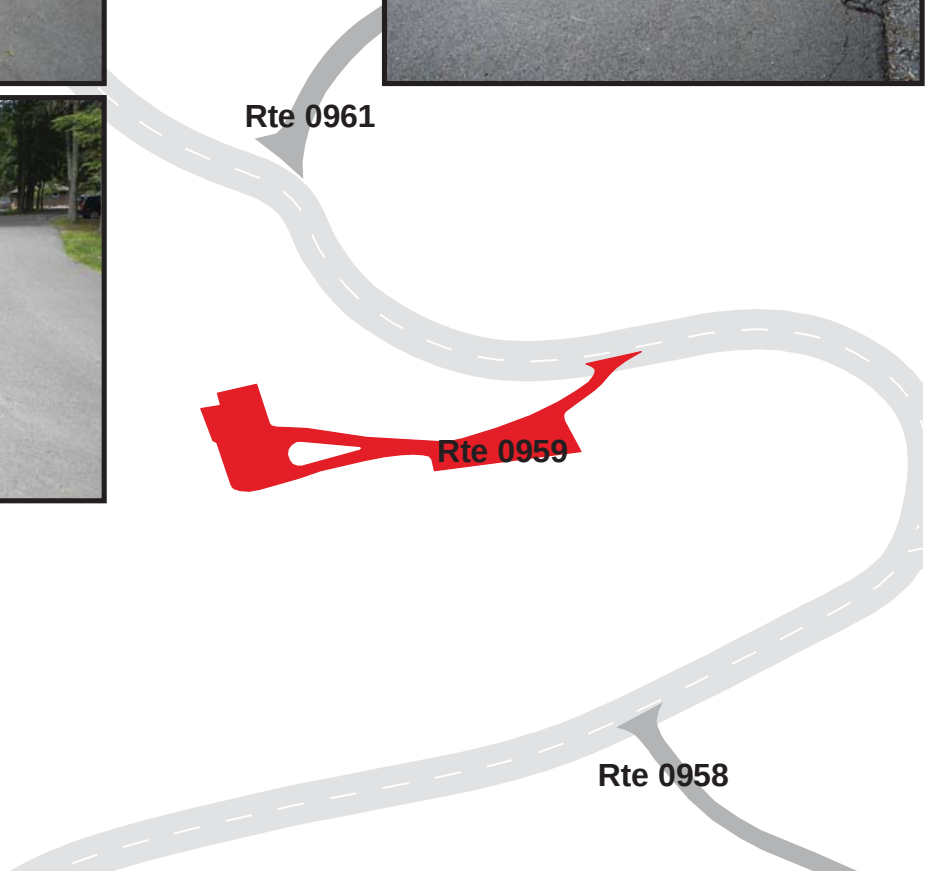
GRANDVIEW OPERATIONS COMPOUND PARKING

FROM ROUTE 0010 (GRANDVIEW ROAD)

TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0959	NONPUBLIC	8/6/2013	8,915	0.15	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	1	1	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



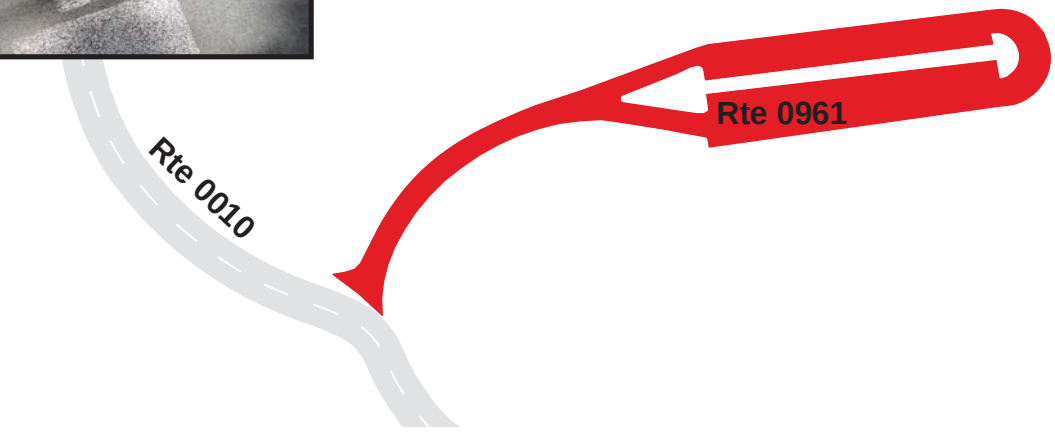
360 180 0 360 Feet

N

NEW RIVER GORGE NATIONAL RIVER
Route 0961
GRANDVIEW SHELTER AREA 1 PARKING
FROM ROUTE 0010 (GRANDVIEW ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0961	PUBLIC	8/6/2013	23,853	0.41	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
3	2	0	NO CURB AND GUTTER	WOOD CURB	GOOD/90

* Lane miles are based on 11' lane widths



360 180 0 360
Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0962

TURKEY SPUR OVERLOOK PARKING

FROM END OF ROUTE 0126 (TURKEY SPUR ROAD)

TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0962	PUBLIC	8/6/2013	3,845	0.07	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

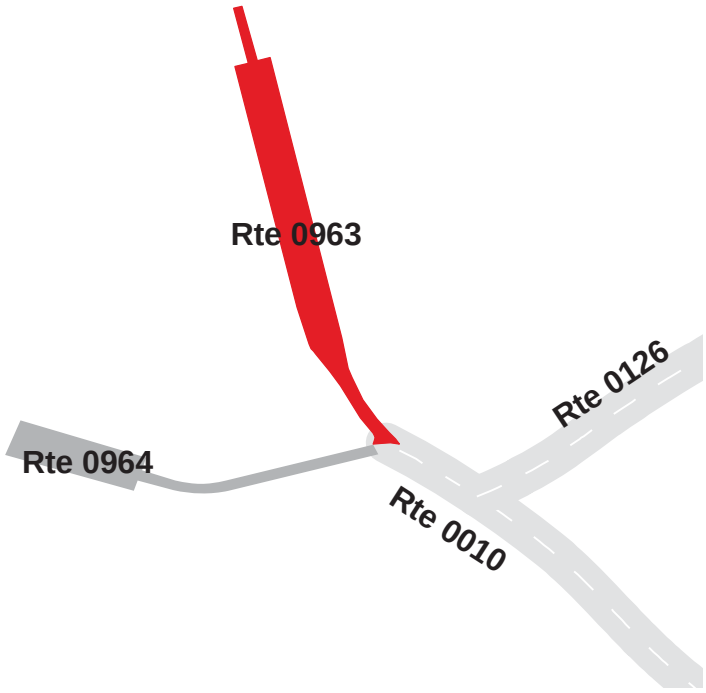
100 50 0 100 Feet

N

NEW RIVER GORGE NATIONAL RIVER
Route 0963
GRANDVIEW SHELTER AREAS 3 AND 4 PARKING
FROM END OF ROUTE 0010 (GRANDVIEW ROAD) STRAIGHT AHEAD TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0963	PUBLIC	8/6/2013	30,399	0.52	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
1	0	1	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



720 360 0 720
Feet

N

NEW RIVER GORGE NATIONAL RIVER

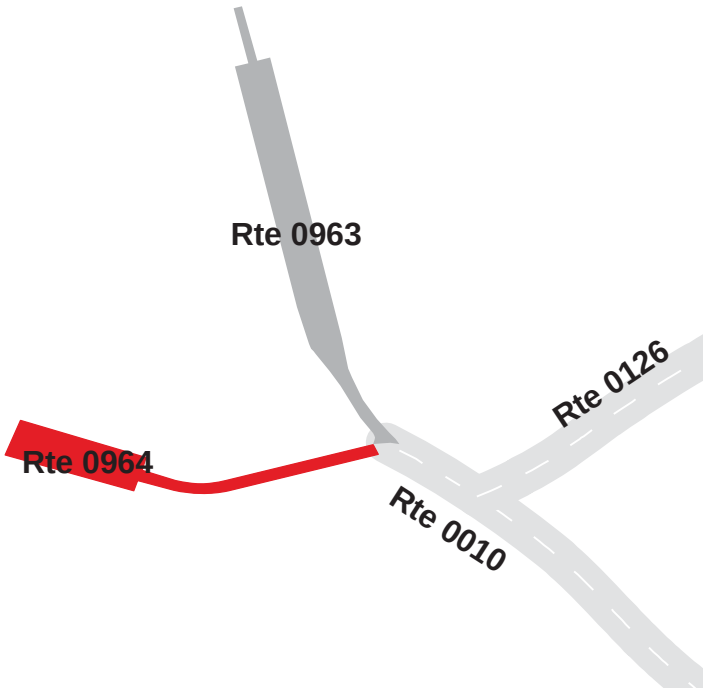
Route 0964

GRANDVIEW SHELTER AREA 2 PARKING

FROM END OF ROUTE 0010 (GRANDVIEW ROAD) ON LEFT
TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0964	PUBLIC	8/6/2013	17,167	0.30	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



720 360 0 720
Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0965ZZ

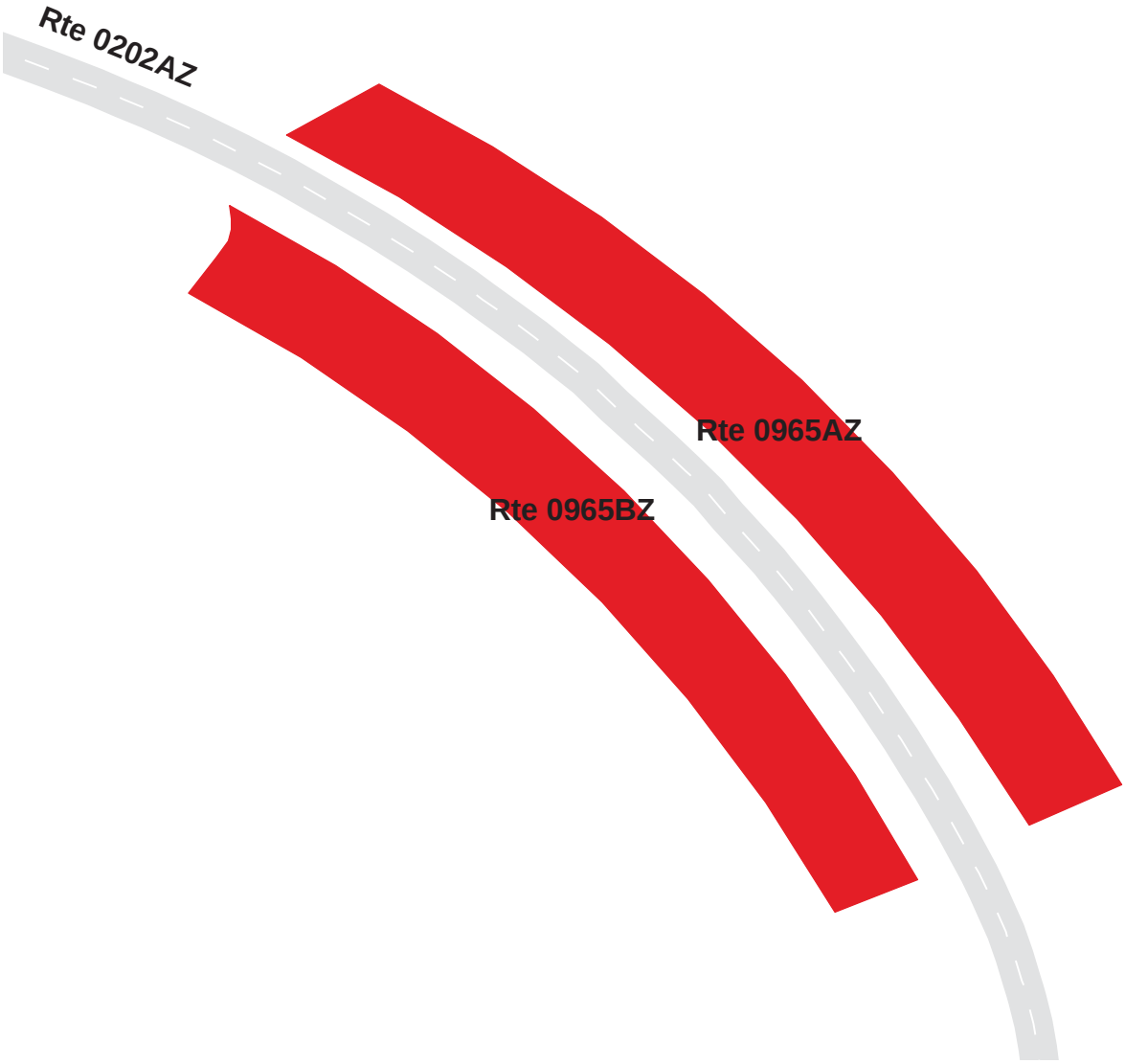
GRANDVIEW AMPHITHEATER PARKING AREAS

ADJACENT TO ROUTE 0202ZZ (GRANDVIEW VISITOR CENTER ROADS)

Summary Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0965ZZ	PUBLIC	8/6/2013	7,231	0.12	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	1	0	NO CURB AND GUTTER	NO CURB	SUMMARY/90

* Lane miles are based on 11' lane widths



NEW RIVER GORGE NATIONAL RIVER

Route 0965AZ

GRANDVIEW AMPHITHEATER PARKING A

ADJACENT TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0965AZ	PUBLIC	8/6/2013	3,900	0.07	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths

140 70 0 140 Feet

N

NEW RIVER GORGE NATIONAL RIVER
Route 0965BZ

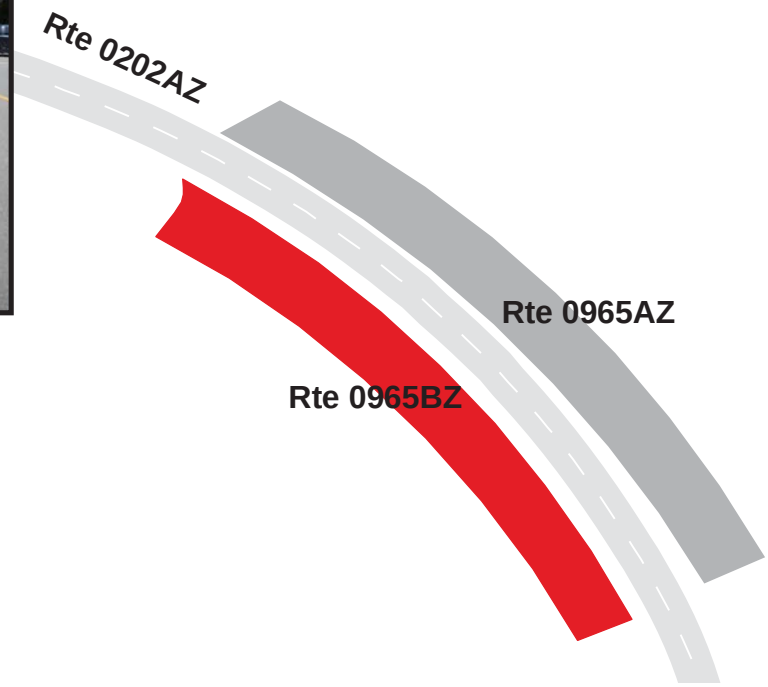
GRANDVIEW AMPHITHEATER PARKING B (HANDICAPPED)

ADJACENT TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0965BZ	PUBLIC	8/6/2013	3,331	0.06	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	1	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



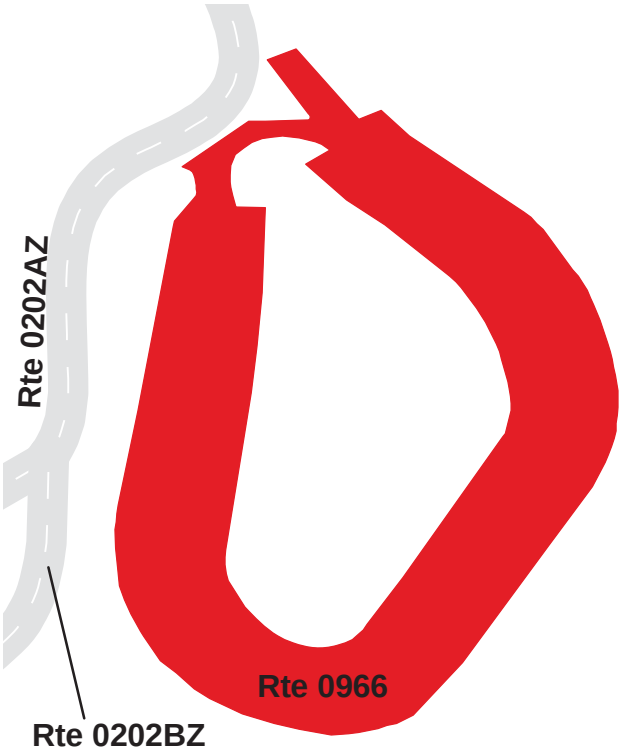
140 70 0 140 Feet

N

NEW RIVER GORGE NATIONAL RIVER
Route 0966
GRANDVIEW MAIN OVERLOOK PARKING
FROM ROUTE 0202ZZ (GRANDVIEW VISITOR CENTER ROADS)
TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0966	PUBLIC	8/6/2013	53,065	0.91	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
1	1	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths



280 140 0 280 Feet

NEW RIVER GORGE NATIONAL RIVER

Route 0967ZZ

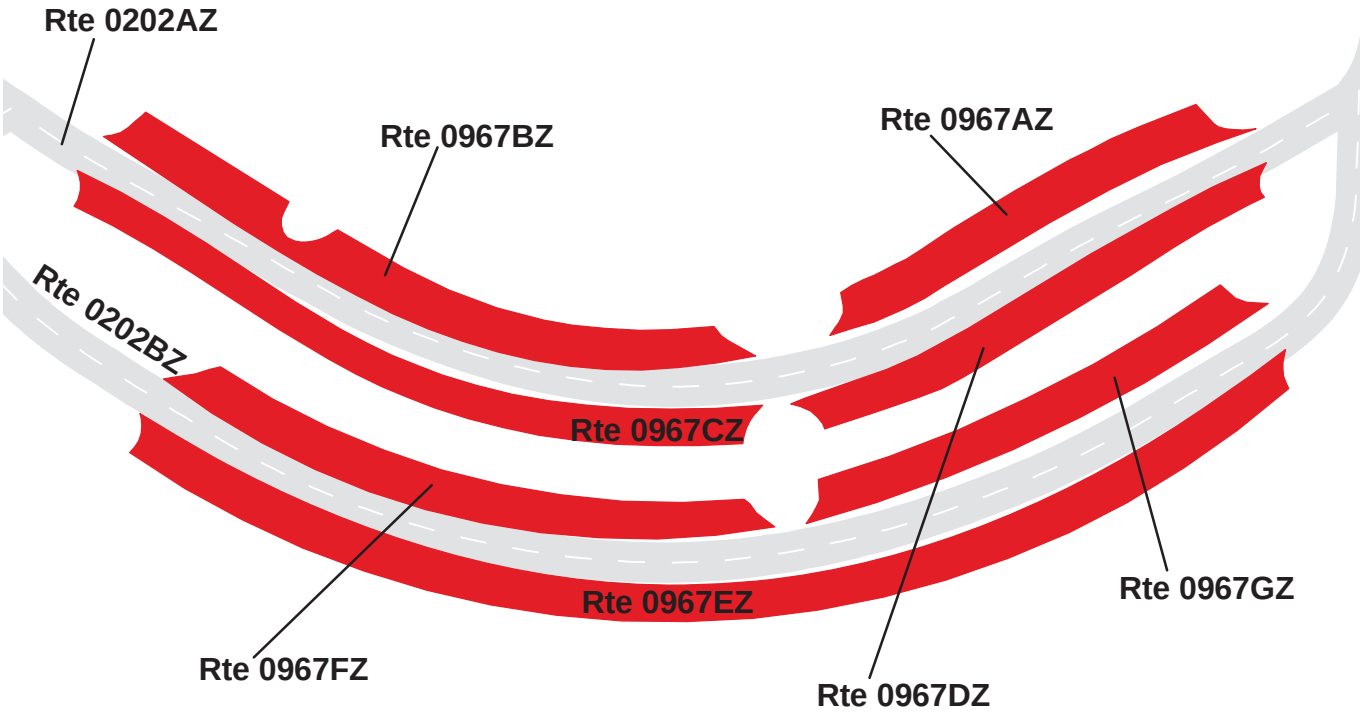
GRANDVIEW OVERFLOW PARKING AREAS

ADJACENT TO ROUTE 0202ZZ (GRANDVIEW VISITOR CENTER ROADS)

Summary Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0967ZZ	PUBLIC	8/6/2013	46,572	0.80	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	ASPHALT CURB	SUMMARY/90

* Lane miles are based on 11' lane widths



230 115 0 230 Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0967AZ

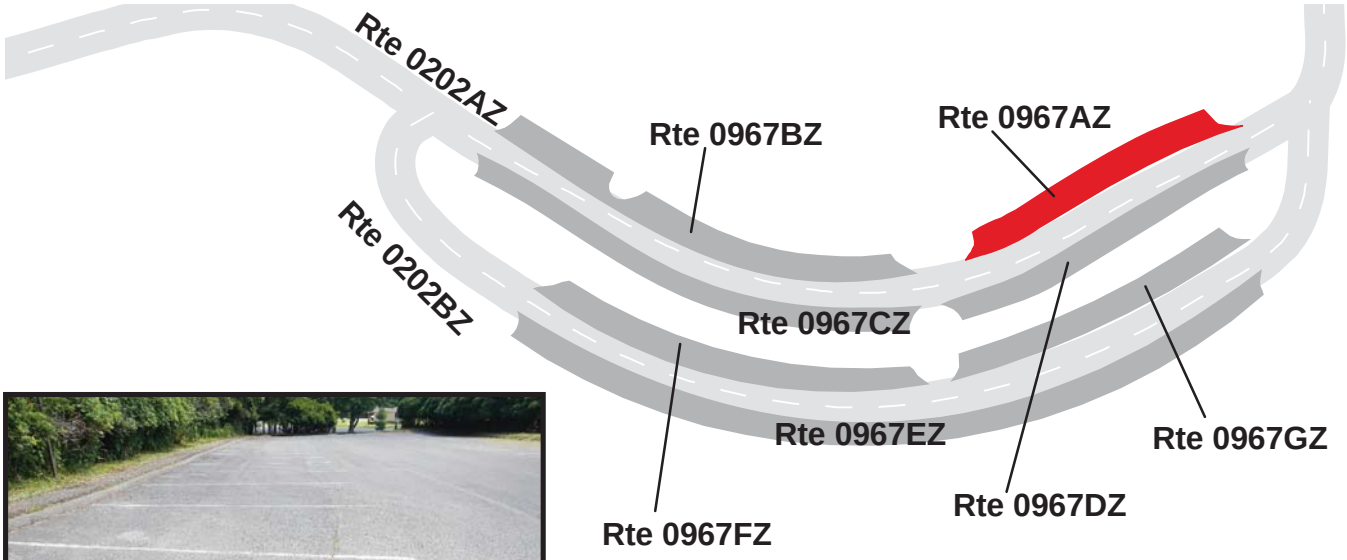
GRANDVIEW OVERFLOW PARKING A

ADJACENT TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0967AZ	PUBLIC	8/6/2013	4,677	0.08	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	ASPHALT CURB	GOOD/90

* Lane miles are based on 11' lane widths



360 180 0 360 Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0967BZ

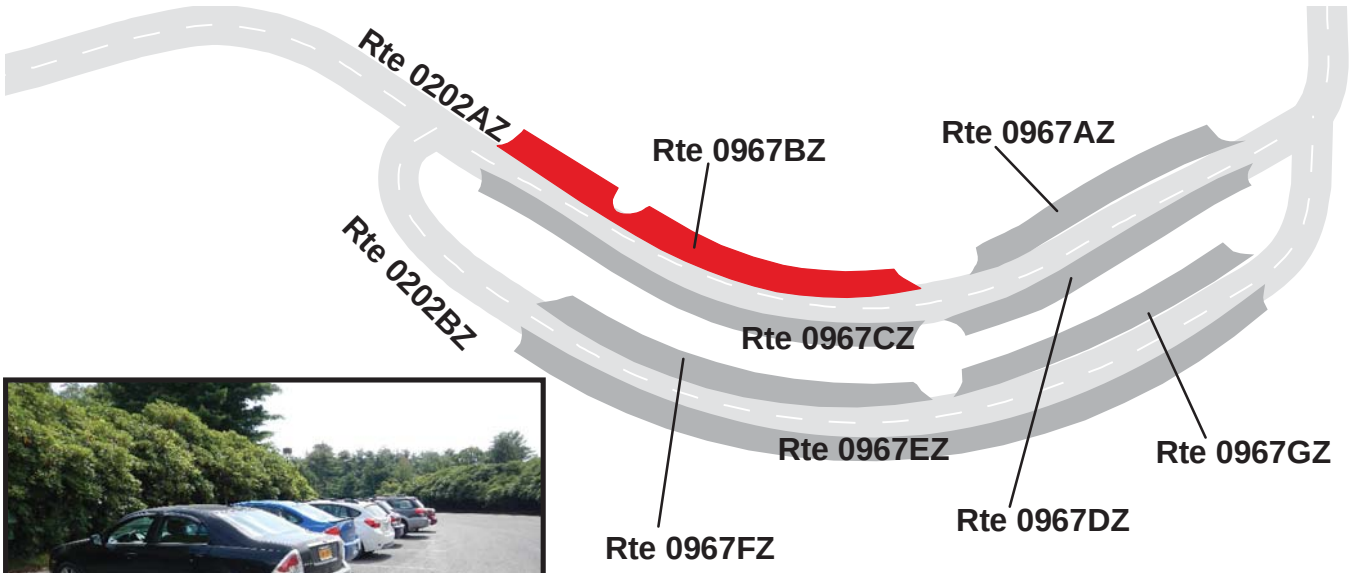
GRANDVIEW OVERFLOW PARKING B

ADJACENT TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0967BZ	PUBLIC	8/6/2013	6,846	0.12	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	ASPHALT CURB	GOOD/90

* Lane miles are based on 11' lane widths



360 180 0 360 Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0967CZ

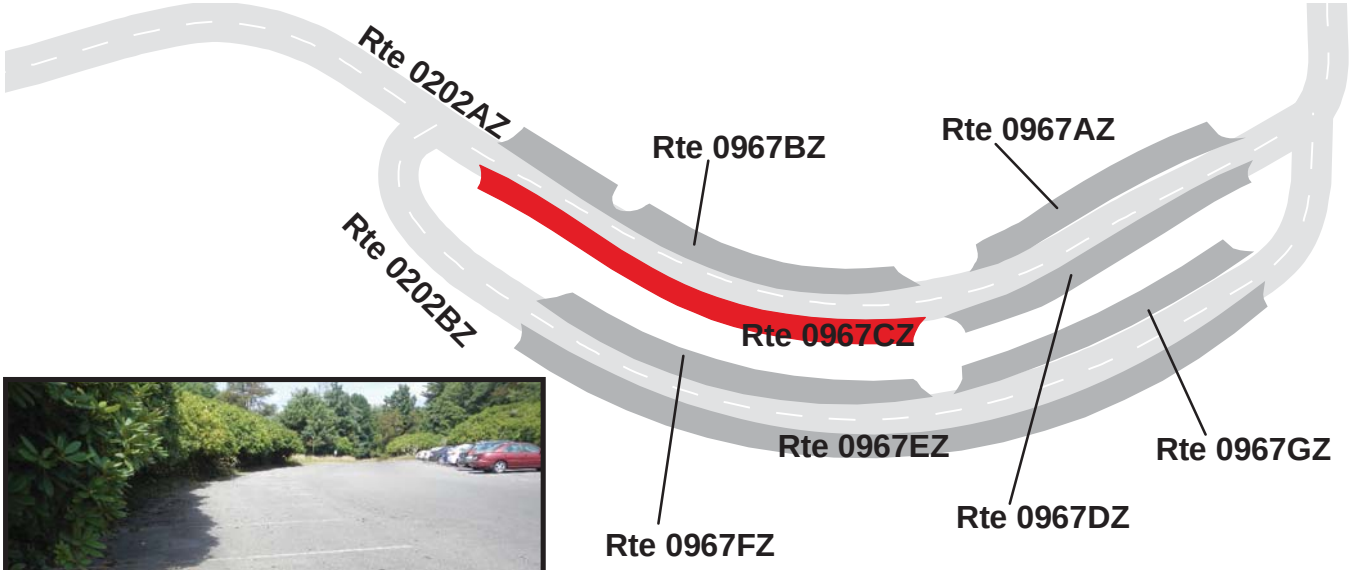
GRANDVIEW OVERFLOW PARKING C

ADJACENT TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0967CZ	PUBLIC	8/6/2013	7,179	0.12	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	ASPHALT CURB	GOOD/90

* Lane miles are based on 11' lane widths



360 180 0 360 Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0967DZ

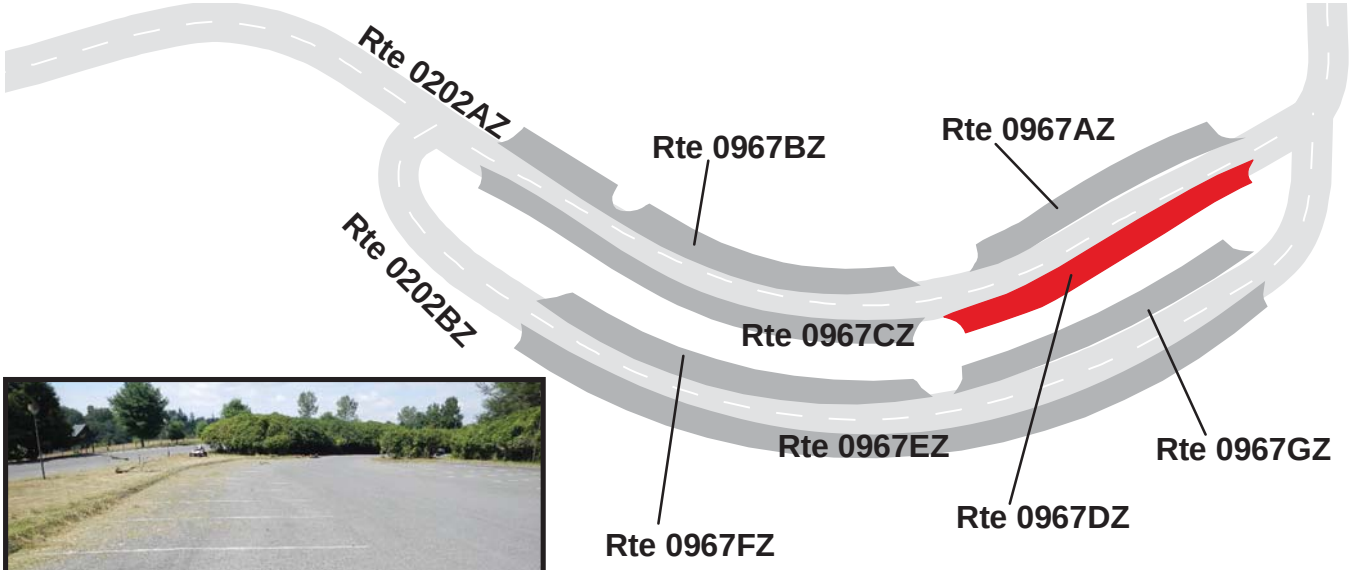
GRANDVIEW OVERFLOW PARKING D

ADJACENT TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0967DZ	PUBLIC	8/6/2013	5,386	0.09	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	ASPHALT CURB	GOOD/90

* Lane miles are based on 11' lane widths



360 180 0 360 Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0967EZ

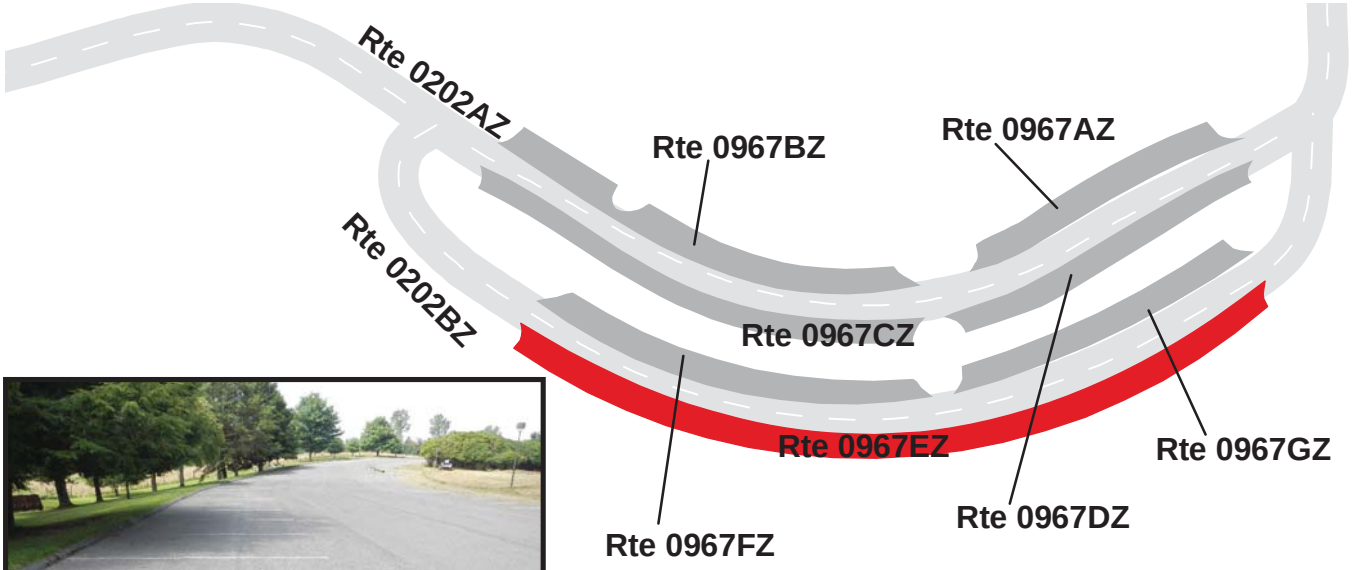
GRANDVIEW OVERFLOW PARKING E

ADJACENT TO ROUTE 0202BZ (GRANDVIEW VISITOR CENTER ROAD ADDITIONAL PARKING LOOP) ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0967EZ	PUBLIC	8/6/2013	11,724	0.20	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	ASPHALT CURB	GOOD/90

* Lane miles are based on 11' lane widths



360 180 0 360 Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0967FZ

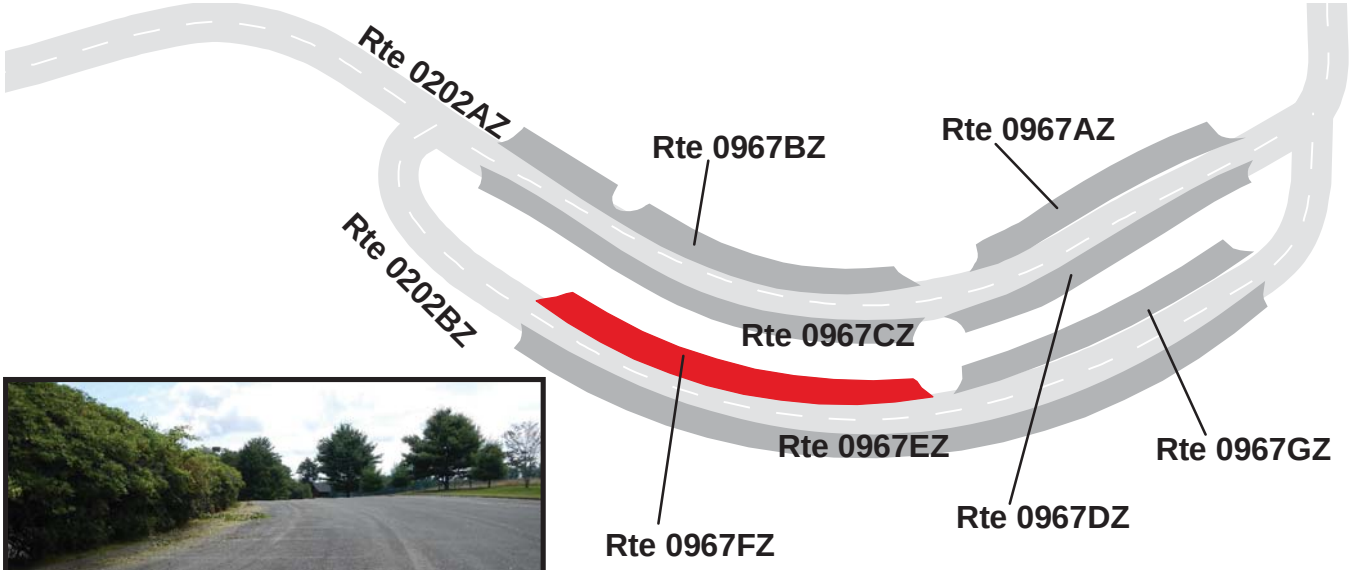
GRANDVIEW OVERFLOW PARKING F

ADJACENT TO ROUTE 0202BZ (GRANDVIEW VISITOR CENTER ROAD ADDITIONAL PARKING LOOP) ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0967FZ	PUBLIC	8/6/2013	5,912	0.10	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	ASPHALT CURB	GOOD/90

* Lane miles are based on 11' lane widths



360 180 0 360 Feet

N

NEW RIVER GORGE NATIONAL RIVER

Route 0967GZ

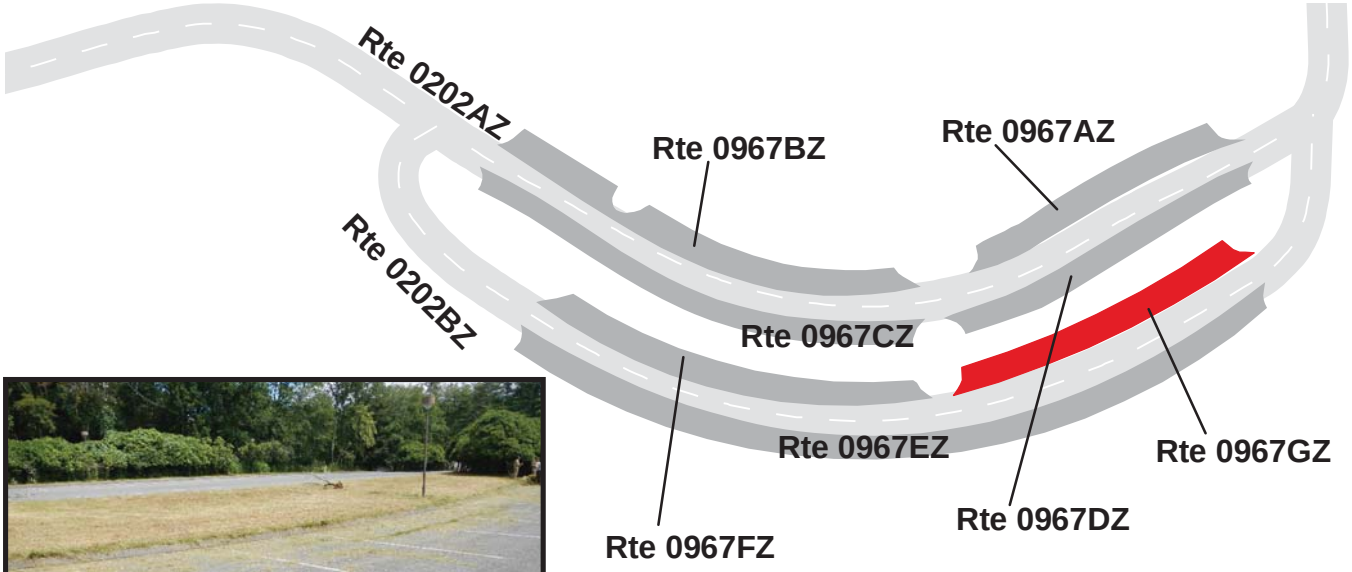
GRANDVIEW OVERFLOW PARKING G

ADJACENT TO ROUTE 0202BZ (GRANDVIEW VISITOR CENTER ROAD ADDITIONAL PARKING LOOP) ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0967GZ	PUBLIC	8/6/2013	4,848	0.08	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	NO CURB AND GUTTER	ASPHALT CURB	GOOD/90

* Lane miles are based on 11' lane widths



360 180 0 360 Feet

NEW RIVER GORGE NATIONAL RIVER

Route 0968

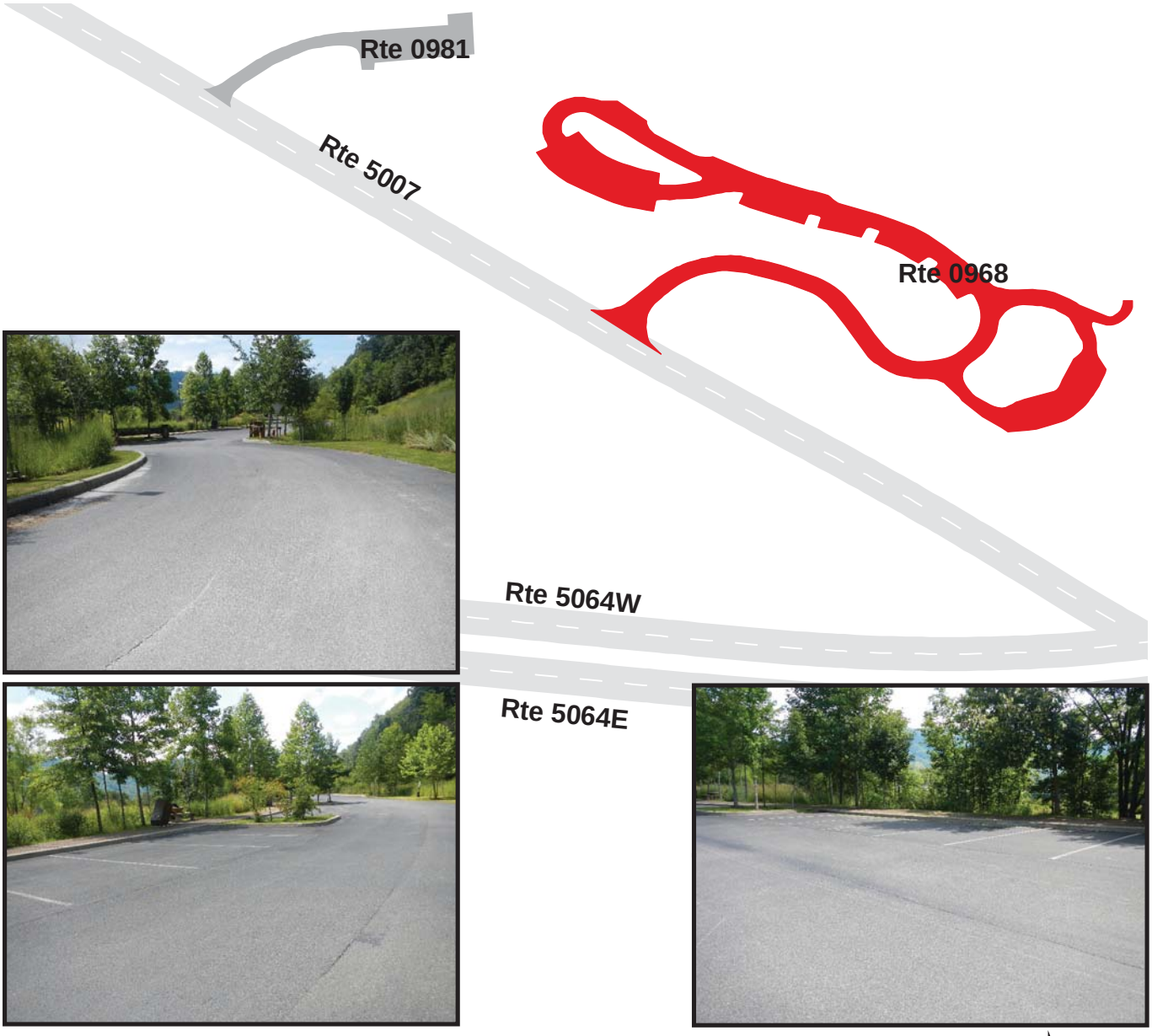
SANDSTONE VISITOR CENTER PARKING

FROM ROUTE 5007 (MEADOW CREEK ROAD / COUNTY ROUTE 7)

TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0968	PUBLIC	8/6/2013	63,678	1.10	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
2	3	1	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



NEW RIVER GORGE NATIONAL RIVER

Route 0981

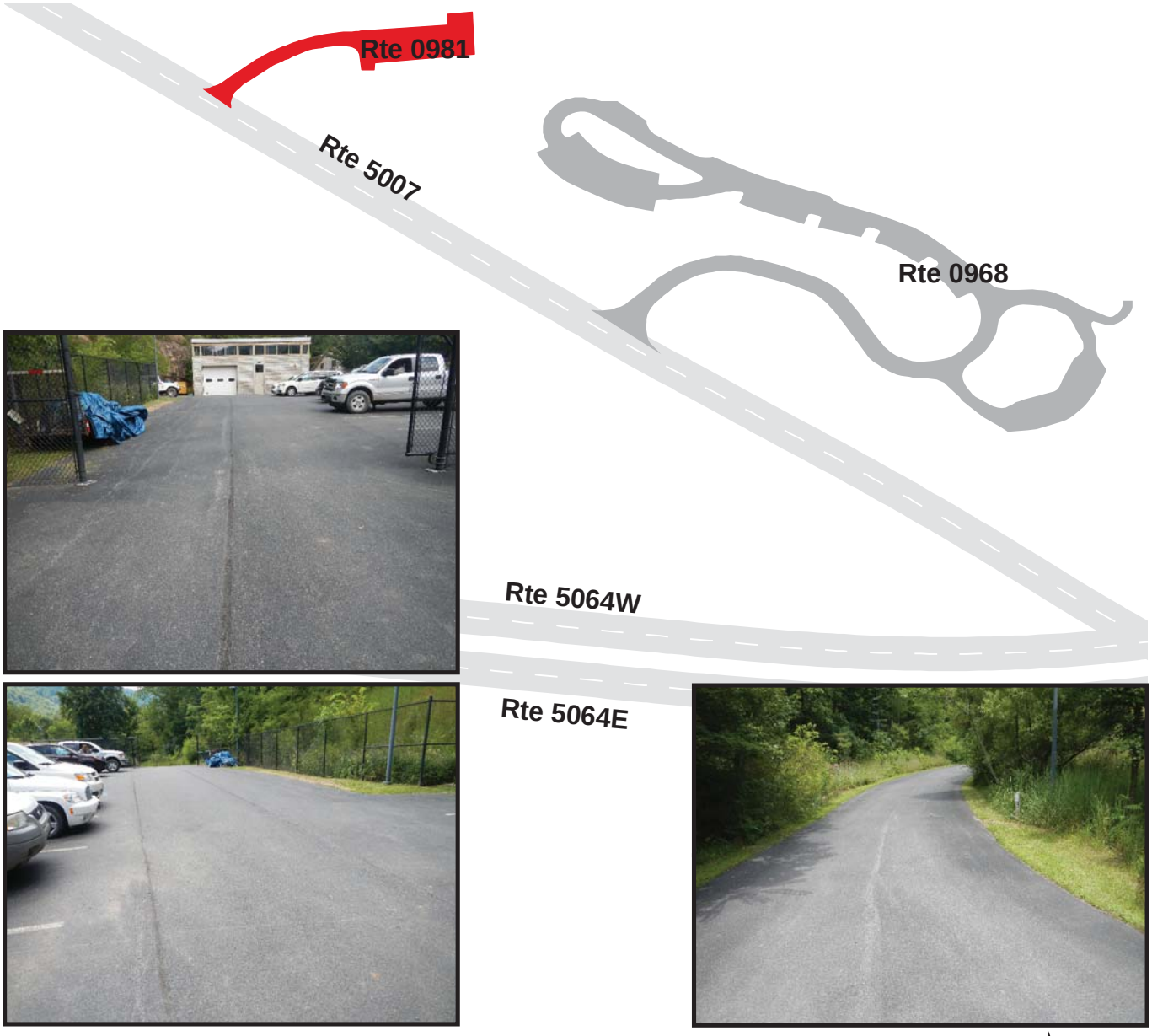
SANDSTONE ADMINISTRATIVE AREA

FROM ROUTE 5007 (MEADOW CREEK ROAD / COUNTY ROUTE 7)

TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0981	NONPUBLIC	8/6/2013	10,805	0.19	AS
Culverts	**Drop Inlets**	**Gates**	**Curb & Gutter**	**Curb**	**PCR**
3	0	3	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



Section 8
Parkwide/Route
Maintenance Features Summaries

New River Gorge National River

Federal Lands Highway
Road Inventory Program

NERI: PARKWIDE MAINTENANCE FEATURES SUMMARY
Includes DCV, MRL, MRP & PKG routes collected in Cycle-5

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all DCV driven routes. Culverts and drop inlets were also collected on all Manually Rated Routes and Paved Parking areas. Those totals are reflected below.

FEATURE	LINEAR FEET	COUNT
BRIDGE	--	0
CATTLE GUARD	--	0
CULVERT	--	27
CURB	1,158	--
DROP INLET	--	56
GATE	--	15
GUARD/GUIDE RAIL	4,514	--
CABLE	0	--
NON-CABLE	4,514	--
GUARD/GUIDE WALL	0	--
BOLLARD	0	--
TEMPORARY BARRIER	0	--
NON TEMP/BOLLARD	0	--
INTERSECTION	--	46
LOW WATER CROSSING	0	0
MILE MARKER	--	6
OVERPASS	--	0
PARK BOUNDARY	--	2
PAVED DITCH	1,689	--
PULLOUT	0	0
RAILROAD CROSSING	--	0
RETAINING WALL	0	0
SIGN	--	82
STATE BOUNDARY	--	0
TRAFFIC LIGHT	--	0
TUNNEL	0	0

NERI: DCV ROUTE MAINTENANCE FEATURES SUMMARY

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5.

FEATURE	ROUTE 0010 GRANDVIEW ROAD	ROUTE 0107 CUNARD ROAD	ROUTE 0108 COAL RUN (FISHERMAN'S ACCESS) ROAD	ROUTE 0126 TURKEY SPUR ROAD	ROUTE 0202ZZ GRANDVIEW VISITOR CENTER ROADS		UNIT
BRIDGE	0	0	0	0	0		EACH
CATTLE GUARD	0	0	0	0	0		EACH
CULVERT	3	6	1	2	1		EACH
CURB	0	486	0	0	672		LINEAR FEET
DROP INLET	0	27	0	0	1		EACH
GATE	3	0	0	1	1		EACH
GUARD/GUIDE RAIL	0	4,002	63	449	0		LINEAR FEET
CABLE	0	0	0	0	0		LINEAR FEET
NON-CABLE	0	4,002	63	449	0		LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0		LINEAR FEET
BOLLARD	0	0	0	0	0		LINEAR FEET
TEMPORARY BARRIER	0	0	0	0	0		LINEAR FEET
NON TEMP/BOLLARD	0	0	0	0	0		LINEAR FEET
INTERSECTION	10	7	4	3	22		EACH
LOW WATER CROSSING	0	0	0	0	0		EACH
LOW WATER CROSSING	0	0	0	0	0		LINEAR FEET
MILE MARKER	0	6	0	0	0		EACH
OVERPASS	0	0	0	0	0		EACH
PARK BOUNDARY	1	1	0	0	0		EACH
PAVED DITCH	0	1,689	0	0	0		LINEAR FEET
PULLOUT	0	0	0	0	0		EACH
PULLOUT	0	0	0	0	0		LINEAR FEET
RAILROAD CROSSING	0	0	0	0	0		EACH
RETAINING WALL	0	0	0	0	0		EACH
RETAINING WALL	0	0	0	0	0		LINEAR FEET
SIGN	29	23	1	12	17		EACH
STATE BOUNDARY	0	0	0	0	0		EACH
TRAFFIC LIGHT	0	0	0	0	0		EACH
TUNNEL	0	0	0	0	0		EACH
TUNNEL	0	0	0	0	0		LINEAR FEET

STRUCTURE LIST

No data available for this section.

Section 9
Route Maintenance Features
Road Logs

New River Gorge National River

Federal Lands Highway
Road Inventory Program

NERI: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GRANDVIEW ROAD

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all paved routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM END OF ROUTE 5009 (GRANDVIEW ROAD (NON NPS) / COUNTY ROUTE 9) AT WEST PARK BOUNDARY
0.000	0.000	PARK BOUNDARY	N/A	N/A
0.000	0.000	INTERSECTION	N/A	ROUTE 5009 (GRANDVIEW ROAD (NON NPS) / COUNTY ROUTE 9)
0.009	0.009	CULVERT	N/A	N/A
0.011	0.011	SIGN	RIGHT	GUIDE, GRANDVIEW NEW RIVER GORGE NATIONAL RIVER
0.011	0.011	SIGN	RIGHT	GUIDE, NATIONAL PARK SERVICE
0.020	0.020	SIGN	LEFT	REGULATORY, SPEED LIMIT 30
0.043	0.043	SIGN	LEFT	GUIDE, GRANDVIEW UNINCORPORATED
0.057	0.057	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.057	0.057	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.074	0.074	SIGN	RIGHT	REGULATORY, SPEED LIMIT 20
0.081	0.081	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.093	0.093	INTERSECTION	RIGHT	ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD)
0.103	0.103	SIGN	RIGHT	GUIDE, ALCOHOLIC BEVERAGES PROHIBITED
0.104	0.104	SIGN	LEFT	GUIDE, ADOPT A HIGHWAY
0.107	0.107	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.156	0.156	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
0.172	0.172	CULVERT	N/A	N/A
0.172	0.172	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.178	0.178	SIGN	LEFT	REGULATORY, SPEED LIMIT 20
0.199	0.199	SIGN	LEFT	GUIDE, GRANDVIEW
0.200	0.200	GATE	N/A	N/A
0.201	0.201	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.202	0.202	SIGN	RIGHT	GUIDE, CLOSED
0.203	0.203	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.233	0.233	INTERSECTION	RIGHT	ROUTE 0958 (GRANDVIEW DRESSING ROOM PARKING)
0.236	0.236	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.275	0.275	SIGN	LEFT	REGULATORY, STOP
0.276	0.276	SIGN	RIGHT	GUIDE, PARK EXIT

NERI: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: GRANDVIEW ROAD

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all paved routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.279	0.279	INTERSECTION	RIGHT	ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD)
0.283	0.283	SIGN	N/A	GUIDE, MAIN OVERLOOK VISITOR CENTER AMPHITHEATER PLAYGROUND SHELTER SHELTERS 1-2-3-4 TURKEY SPUR PICNIC AR
0.288	0.288	SIGN	LEFT	GUIDE, CAUTION THROUGH TRAFFIC
0.289	0.289	CULVERT	N/A	N/A
0.289	0.289	GATE	N/A	N/A
0.346	0.346	INTERSECTION	LEFT	ROUTE 0959 (GRANDVIEW OPERATIONS COMPOUND PARKING)
0.355	0.355	SIGN	LEFT	GUIDE, PARK OFFICES
0.363	0.363	GATE	N/A	N/A
0.365	0.365	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.379	0.379	SIGN	RIGHT	GUIDE, CAUTION INTERSECTION
0.406	0.406	INTERSECTION	RIGHT	ROUTE 0961 (GRANDVIEW SHELTER AREA 1 PARKING)
0.411	0.411	SIGN	N/A	GUIDE, NORTH OVERLOOK SHELTER NO.1 SHELTERS 2-3-4 TURKEY SPUR PICNIC AREAS
0.488	0.488	INTERSECTION	LEFT	ROUTE 0404 (HUNTERS BOGG ROAD)
0.625	0.625	SIGN	LEFT	GUIDE, OVERLOOK
0.632	0.632	INTERSECTION	RIGHT	ROUTE 0126 (TURKEY SPUR ROAD)
0.663	0.663	INTERSECTION	LEFT	ROUTE 0964 (GRANDVIEW SHELTER AREA 2 PARKING)
0.663	0.663	INTERSECTION	N/A	ROUTE 0963 (GRANDVIEW SHELTER AREAS 3 AND 4 PARKING)
0.663	0.663	SIGN	LEFT	GUIDE, PICNIC AREAS SHELTER 2 SHELTERS 3-4
0.663	0.663	ROUTE END	N/A	TO ROUTE 0963 (GRANDVIEW SHELTER AREAS 3 AND 4 PARKING) AND ROUTE 0964 (GRANDVIEW SHELTER AREA 2 PARKING)

NERI: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0107: CUNARD ROAD

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all paved routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM COUNTY ROUTE 9/14
0.000	0.000	INTERSECTION	LEFT	COUNTY ROUTE 9/14
0.000	0.000	INTERSECTION	RIGHT	COUNTY ROUTE 9/14
0.000	0.000	PARK BOUNDARY	N/A	N/A
0.003	0.003	SIGN	RIGHT	GUIDE, CUNARD
0.005	0.005	SIGN	LEFT	REGULATORY, STOP
0.006	0.006	SIGN	RIGHT	GUIDE, NATIONAL PARK SERVICE
0.006	0.006	SIGN	RIGHT	GUIDE, CUNARD RIVER ACCESS NEW RIVER GORGE NATIONAL RIVER
0.008	0.008	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.055	0.055	CULVERT	N/A	N/A
0.123	0.123	CULVERT	N/A	N/A
0.251	0.251	CULVERT	N/A	N/A
0.319	0.319	CULVERT	N/A	N/A
0.363	0.363	INTERSECTION	LEFT	UNPAVED ROAD / KAYMOOR TRAIL
0.376	0.703	GUARD/GUIDE RAIL	LEFT	N/A
0.384	0.384	CULVERT	N/A	N/A
0.394	0.394	SIGN	RIGHT	GUIDE, TRAILHEAD PARKING NEXT RIGHT
0.397	0.489	CURB-AND-GUTTER	LEFT	N/A
0.398	0.398	MILE MARKER	RIGHT	N/A
0.402	0.402	CULVERT	N/A	N/A
0.407	0.407	INTERSECTION	RIGHT	UNPAVED ROAD / BROOKLYN MINE TRAIL
0.427	0.427	INTERSECTION	RIGHT	ROUTE 0913 (CUNARD HORSE TRAIL PARKING AREA)
0.441	0.441	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.448	0.541	PAVED DITCH	RIGHT	N/A
0.489	0.489	DROP INLET	RIGHT	N/A
0.508	0.508	MILE MARKER	RIGHT	N/A
0.515	0.515	DROP INLET	RIGHT	N/A
0.550	0.550	DROP INLET	RIGHT	N/A
0.558	0.558	SIGN	LEFT	WARNING, ROAD NARROWS

NERI: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0107: CUNARD ROAD

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all paved routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.560	0.560	SIGN	RIGHT	WARNING, STEEP NARROW ROAD
0.576	0.770	PAVED DITCH	RIGHT	N/A
0.606	0.606	DROP INLET	RIGHT	N/A
0.611	0.611	SIGN	LEFT	WARNING, SPEED LIMIT 15
0.680	0.680	DROP INLET	RIGHT	N/A
0.708	0.708	MILE MARKER	RIGHT	N/A
0.735	0.735	DROP INLET	RIGHT	N/A
0.769	0.769	DROP INLET	RIGHT	N/A
0.777	0.796	GUARD/GUIDE RAIL	LEFT	N/A
0.802	0.802	DROP INLET	RIGHT	N/A
0.802	0.802	MILE MARKER	RIGHT	N/A
0.831	0.831	DROP INLET	RIGHT	N/A
0.865	0.865	DROP INLET	RIGHT	N/A
0.879	0.901	GUARD/GUIDE RAIL	LEFT	N/A
0.912	0.912	MILE MARKER	RIGHT	N/A
0.942	0.942	SIGN	LEFT	REGULATORY, SPEED LIMIT 15
0.942	0.942	SIGN	RIGHT	REGULATORY, SPEED LIMIT 10
0.947	1.051	GUARD/GUIDE RAIL	LEFT	N/A
0.950	0.950	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.956	0.956	DROP INLET	RIGHT	N/A
0.962	0.962	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.973	0.973	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.986	0.986	DROP INLET	RIGHT	N/A
0.990	1.002	DEBRIS ON ROAD	N/A	N/A
0.992	0.992	MILE MARKER	RIGHT	N/A
1.023	1.043	DEBRIS ON ROAD	N/A	N/A
1.033	1.033	DROP INLET	RIGHT	N/A
1.059	1.277	GUARD/GUIDE RAIL	LEFT	N/A
1.071	1.071	DROP INLET	RIGHT	N/A
1.122	1.122	DROP INLET	RIGHT	N/A

NERI: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0107: CUNARD ROAD

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all paved routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.149	1.149	DROP INLET	RIGHT	N/A
1.153	1.165	DEBRIS ON ROAD	N/A	N/A
1.190	1.190	DROP INLET	RIGHT	N/A
1.207	1.207	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.229	1.258	DEBRIS ON ROAD	N/A	N/A
1.267	1.267	DROP INLET	RIGHT	N/A
1.268	1.268	SIGN	LEFT	WARNING, FALLING ROCK
1.299	1.299	DROP INLET	RIGHT	N/A
1.329	1.329	DROP INLET	RIGHT	N/A
1.362	1.362	DROP INLET	RIGHT	N/A
1.387	1.387	DROP INLET	RIGHT	N/A
1.414	1.414	DROP INLET	RIGHT	N/A
1.418	1.418	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
1.451	1.468	GUARD/GUIDE RAIL	RIGHT	N/A
1.458	1.458	DROP INLET	LEFT	N/A
1.492	1.492	DROP INLET	LEFT	N/A
1.502	1.502	DROP INLET	LEFT	N/A
1.523	1.574	GUARD/GUIDE RAIL	RIGHT	N/A
1.559	1.559	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
1.583	1.583	INTERSECTION	LEFT	ROUTE 0108 (COAL RUN (FISHERMAN'S ACCESS) ROAD)
1.594	1.627	PAVED DITCH	RIGHT	N/A
1.598	1.598	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.614	1.614	SIGN	RIGHT	GUIDE, AREA CLOSED TO CAMPING
1.624	1.624	SIGN	RIGHT	GUIDE, PUBLIC BOATER PARKING NEXT LEFT
1.627	1.627	DROP INLET	RIGHT	N/A
1.627	1.627	INTERSECTION	N/A	ROUTE 0914AZ (CUNARD PUBLIC USE PARKING AREA A)
1.627	1.627	SIGN	RIGHT	GUIDE, COMMERCIAL BOATER PARKING
1.627	1.627	ROUTE END	N/A	TO ROUTE 0914AZ (CUNARD PUBLIC USE PARKING AREA A)

NERI: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0108: COAL RUN (FISHERMAN'S ACCESS) ROAD

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all paved routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0107 (CUNARD ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0107 (CUNARD ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0107 (CUNARD ROAD)
0.007	0.007	SIGN	LEFT	REGULATORY, STOP
0.062	0.062	INTERSECTION	RIGHT	ROUTE 0914BZ (CUNARD PUBLIC USE PARKING AREA B)
0.063	0.075	GUARD/GUIDE RAIL	RIGHT	N/A
0.071	0.071	CULVERT	N/A	N/A
0.076	0.076	INTERSECTION	N/A	ROUTE 0108 (COAL RUN (FISHERMAN'S ACCESS) ROAD) UNPAVED SECTION
0.076	0.076	ROUTE END	N/A	TO ROUTE 0916 (COAL RUN PARKING AREA) AT MP 0.70

NERI: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0126: TURKEY SPUR ROAD

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all paved routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0010 (GRANDVIEW ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0010 (GRANDVIEW ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0010 (GRANDVIEW ROAD)
0.003	0.003	SIGN	LEFT	REGULATORY, STOP
0.004	0.004	GATE	N/A	N/A
0.135	0.184	GUARD/GUIDE RAIL	RIGHT	N/A
0.220	0.220	CULVERT	N/A	N/A
0.288	0.288	CULVERT	N/A	N/A
0.330	0.347	GUARD/GUIDE RAIL	RIGHT	N/A
0.711	0.730	GUARD/GUIDE RAIL	RIGHT	N/A
1.015	1.015	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.023	1.023	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.030	1.030	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.040	1.040	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.051	1.051	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.060	1.060	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.091	1.091	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.100	1.100	SIGN	LEFT	REGULATORY, SPEED LIMIT 20
1.109	1.109	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.141	1.183	DEBRIS ON ROAD	N/A	N/A
1.151	1.151	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.170	1.170	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.184	1.184	INTERSECTION	N/A	ROUTE 0962 (TURKEY SPUR OVERLOOK PARKING)
1.184	1.184	ROUTE END	N/A	TO ROUTE 0962 (TURKEY SPUR OVERLOOK PARKING)

NERI: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0202AZ: GRANDVIEW VISITOR CENTER ROAD

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all paved routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0010 (GRANDVIEW ROAD) AT MP 0.26
0.000	0.000	INTERSECTION	N/A	ROUTE 0010 (GRANDVIEW ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0010 (GRANDVIEW ROAD)
0.026	0.026	DROP INLET	RIGHT	N/A
0.037	0.037	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.037	0.037	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.038	0.038	SIGN	RIGHT	GUIDE, CLIFFSIDE AMPHITHEATER
0.038	0.038	SIGN	RIGHT	GUIDE, NATIONAL PARK SERVICE
0.106	0.106	INTERSECTION	LEFT	ROUTE 0965AZ (GRANDVIEW AMPHITHEATER PARKING A)
0.106	0.106	INTERSECTION	RIGHT	ROUTE 0965BZ (GRANDVIEW AMPHITHEATER PARKING B (HANDICAPPED))
0.128	0.128	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.134	0.134	INTERSECTION	LEFT	ROUTE 0966 (GRANDVIEW MAIN OVERLOOK PARKING)
0.134	0.435	ONE-WAY	N/A	N/A
0.136	0.136	SIGN	RIGHT	GUIDE, NEW RIVER GORGE NATIONAL RIVER
0.138	0.138	SIGN	N/A	REGULATORY, ONE WAY
0.142	0.142	SIGN	LEFT	GUIDE, NATIONAL PARK SERVICE
0.142	0.142	SIGN	LEFT	GUIDE, GRANDVIEW VISITOR CENTER NEW RIVER GORGE NATIONAL RIVER
0.143	0.143	INTERSECTION	LEFT	ROUTE 0966 (GRANDVIEW MAIN OVERLOOK PARKING)
0.145	0.151	CURB	RIGHT	N/A
0.155	0.194	CURB	RIGHT	N/A
0.193	0.193	INTERSECTION	LEFT	ROUTE 0202BZ (GRANDVIEW VISITOR CENTER ROAD ADDITIONAL PARKING LOOP)
0.199	0.202	CURB	LEFT	N/A
0.199	0.202	CURB	RIGHT	N/A
0.201	0.201	SIGN	LEFT	REGULATORY, ONE WAY
0.223	0.223	INTERSECTION	RIGHT	ROUTE 0967AZ (GRANDVIEW OVERFLOW PARKING A)
0.228	0.228	INTERSECTION	LEFT	ROUTE 0967DZ (GRANDVIEW OVERFLOW PARKING D)
0.244	0.248	CURB	RIGHT	N/A
0.282	0.282	INTERSECTION	RIGHT	ROUTE 0967BZ (GRANDVIEW OVERFLOW PARKING B)

NERI: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0202AZ: GRANDVIEW VISITOR CENTER ROAD

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all paved routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.282	0.282	INTERSECTION	LEFT	ROUTE 0967CZ (GRANDVIEW OVERFLOW PARKING C)
0.314	0.318	CURB	LEFT	N/A
0.316	0.333	CURB	RIGHT	N/A
0.318	0.318	SIGN	LEFT	REGULATORY, ONE WAY
0.329	0.329	INTERSECTION	LEFT	ROUTE 0202BZ (GRANDVIEW VISITOR CENTER ROAD ADDITIONAL PARKING LOOP)
0.384	0.384	INTERSECTION	RIGHT	UNPAVED ROAD (CAMP HOST)
0.386	0.386	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.426	0.426	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.426	0.426	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.427	0.427	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
0.427	0.427	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.428	0.428	GATE	N/A	N/A
0.432	0.432	CULVERT	N/A	N/A
0.434	0.434	SIGN	RIGHT	REGULATORY, STOP
0.435	0.435	INTERSECTION	LEFT	ROUTE 0010 (GRANDVIEW ROAD)
0.435	0.435	INTERSECTION	RIGHT	ROUTE 0010 (GRANDVIEW ROAD)
0.435	0.435	ROUTE END	N/A	TO ROUTE 0010 (GRANDVIEW ROAD) AT MP 0.07

NERI: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0202BZ: GRANDVIEW VISITOR CENTER ROAD ADDITIONAL PARKING LOOP

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all paved routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) AT MP 0.33
0.000	0.000	INTERSECTION	LEFT	ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD)
0.000	0.166	ONE-WAY	N/A	N/A
0.007	0.038	CURB	LEFT	N/A
0.070	0.070	INTERSECTION	LEFT	ROUTE 0967FZ (GRANDVIEW OVERFLOW PARKING F)
0.099	0.099	INTERSECTION	RIGHT	ROUTE 0967EZ (GRANDVIEW OVERFLOW PARKING E)
0.123	0.123	INTERSECTION	LEFT	ROUTE 0967GZ (GRANDVIEW OVERFLOW PARKING G)
0.144	0.164	CURB	LEFT	N/A
0.166	0.166	INTERSECTION	LEFT	ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD)
0.166	0.166	INTERSECTION	N/A	ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD)
0.166	0.166	ROUTE END	N/A	TO ROUTE 0202AZ (GRANDVIEW VISITOR CENTER ROAD) AT MP 0.19

Section 10
Appendix

New River Gorge National River

Federal Lands Highway
Road Inventory Program

Explanation of Changes to the RIP Index Equations and Determination of PCR

In 2005, the FHWA began implementing the use of a Pavement Management System to assist the National Park Service in prioritizing Pavement Maintenance and Rehabilitation activities. The PMS used by FHWA is the Highway Pavement Management Application (HPMA) and this software has the ability to store inventory and condition data from RIP and forecast future performance using prediction models. Outputs include performance and condition reports at the National, Region, Park, or Route level. A regional prioritized list and optimization have been produced for most regions and the Federal Highway Deferred Maintenance is calculated via the HPMA as well.

In an effort to improve the accuracy of treatment recommendations and pavement condition descriptions in relation to the distresses and indexes that comprise the Pavement Condition Rating (PCR), an extensive study was completed throughout 2010 that resulted in changes to the Road Inventory Program condition reporting method and specifically, the calculation of PCR. It was determined that a better representation of PCR could be achieved by modifying the relative impact certain distresses would have on the overall rating.

Through the use of HPMA data, it was noted that false failure indicators existed with the existing PCR model, and that it would be necessary to reduce their impact. The distresses affected in this way were Rutting and Roughness. Conversely, experience showed that roadways with extensive cracking present were often shown to have a high PCR. Therefore, the crack index models were adjusted to be more sensitive to changes in crack severity or quantity. It was also determined that these issues were not due to a problem with data acquisition (i.e. the RIP "van"), but with the way the collected data was processed. The final change was to provide guidance on when to use the Roughness Condition Index (RCI) in the PCR calculation. Roughness data is of little value to determining overall condition on routes that, due to their length or geometrics, have lower vehicle operating speeds. Therefore, in Cycle 5, only routes that have lengths of one half mile or greater and posted speed limits of 25 mph or greater will have RCI reported and included in the PCR calculations.

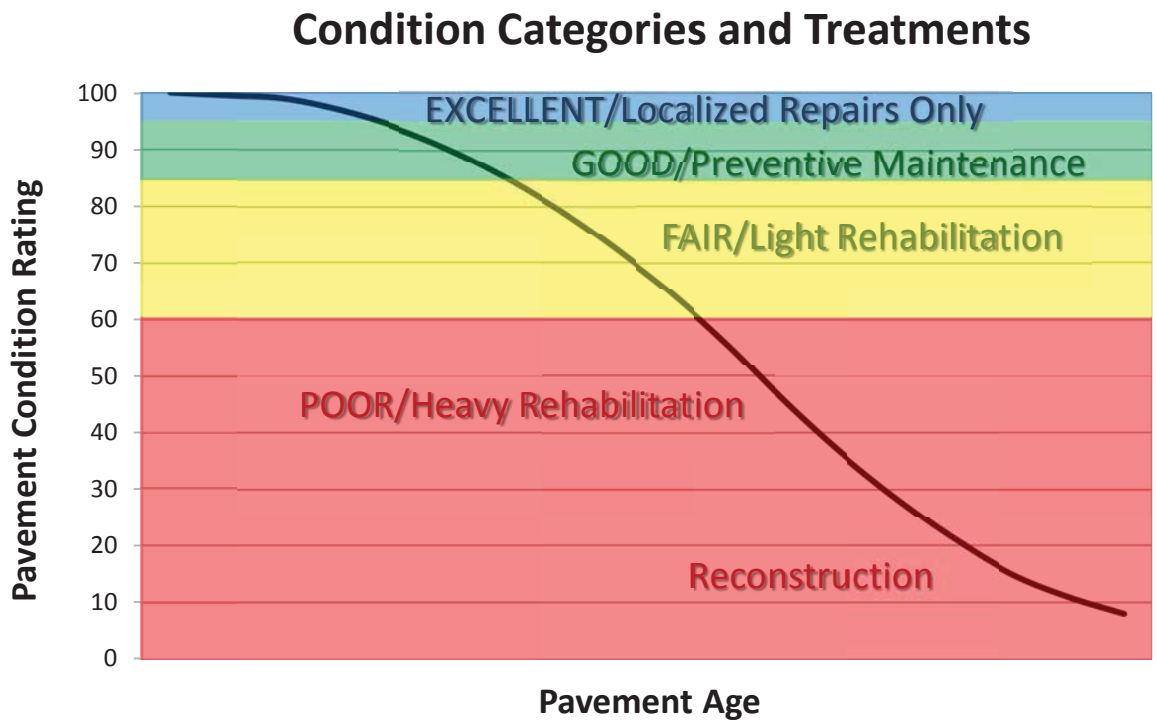
The changes that were implemented were endorsed by management at both the FHWA and NPS. In order to show the effectiveness of these changes, several sites were ground truth tested to ensure that an improvement was achieved between the relationship of PCR and the actual Maintenance and Rehabilitation needs that were represented. These changes will allow greater use of RIP and HPMA data for not simply condition data reporting, but also as a reliable tool for project identification and selection.

Explanation of the Excellent, Good, Fair and Poor Condition Descriptions

In addition to the RIP Index changes that were implemented in Cycle 5, we will provide greater assistance in translating good/fair/poor categories into pavement needs categories. The PCR can be used to indicate the place in the Pavement Life Cycle and the types of treatments that should be considered now and into the future.

- Excellent/New: PCR of 95-100. Pavements in this range will require only spot repairs.
- Good: PCR of 85-94. Pavements in this range will likely be candidates for Preventive Maintenance. Examples include Chip and Slurry Seals, Micro Surfacing and Thin Overlays.
- Fair: PCR of 61-84. Pavements in this range will likely be candidates of Light Rehabilitation (L3R). Examples include single-lift overlays up to 2.5 inches in total thickness, milling and overlays.
- Poor: PCR of 60 or below. Pavements in this range will likely be candidates of Heavy Rehabilitation or Reconstruction (H3R or 4R). Examples include Pulverization, Multiple Lift Overlays, and Reconstruction.

Specific Maintenance and Rehabilitation activities should be evaluated and recommended at the project level. Site-specific conditions that influence treatment type should be determined based on performing a subsurface investigation and/or pavement condition survey, and not be based solely on RIP data. Additionally, RIP produces a snapshot of conditions the year in which the data was collected. For further information or to obtain additional Pavement Management System's data from our Highway Pavement Management Application (HPMA) please contact the Eastern Federal Lands pavement team.



DESCRIPTION OF RATING SYSTEM

The Federal Highway Administration (FHWA), National Park Service Road Inventory Program (NPS-RIP), collects condition data on paved roads, parkways, and parking areas in park units nationwide. Road surface condition data is collected using an automated Data Collection Vehicle (DCV). Roads having brick, cobblestone, or wood surfaces are not normally surveyed with the DCV, but are manually rated for the purpose of assigning a condition rating. Unpaved roads, parkways, and parking areas are not currently being evaluated for condition. Paved campground pads and driveways are also not currently being evaluated for condition.

The FHWA RIP is implemented based on the premise that an accurate pavement surface condition assessment can be accomplished using automated crack detection technology as applied to digital images. Various methods of pavement condition assessment have been developed over the years with varying degrees of accuracy and acceptance. The use of digital photography to record pavement images and subsequent crack detection and classification has undergone continuous improvements over the past decade. Digital cameras with increasingly superior resolution and high definition have become more affordable, and the proprietary programming code and algorithms have been improved in crack detection software.

With the use of high quality digital photography and automated crack detection software, FHWA RIP is tasked with executing a pavement condition assessment on about 5000 miles of National Park Service roads and parkways. Foremost in setting up the basis of pavement distress identification is employing the distress identification protocols used by FHWA. There is no single distress identification system that is universal among entities conducting a program of distress identification. For the purpose of the NPS-RIP, FHWA employs distress identification protocols that are specific to this program.

FHWA has referenced the *"Distress Identification Manual for the Long-Term Pavement Performance Program", Publication No. FHWA-RD 03-031, June 2003,* as the point-of-reference for distress types on NPS pavement. The FHWA RIP distress types are similar to those described in the LTPP manual with some modifications. The document, *"Distress Identification Manual for the NPS Road Inventory Program, Cycle 5, 2010-2013"* was developed using the *"Distress Identification Manual for the Long-Term Pavement Performance Program"* as a guideline. Definitions of severity levels based on crack width contained in this document adhere to the LTPP Distress ID Manual. Modifications have been made to the definition of Alligator and Longitudinal Cracking and determination of Alligator Cracking severity. This manual also addresses Rutting and Roughness and its application to NPS-RIP.

In 2010, FHWA RIP began the fifth cycle of data collection in national parks. For Cycle 5, data will be collected in approximately 81 large parks (10 or more paved route miles) on Functional Class 1, 2, and 7 routes plus any new routes or parking areas previously not collected, totaling an estimated 4,459 paved route miles. Additionally, 231 small parks will be collected comprising approximately 529 paved route miles and associated paved parking areas. The data is used to support the National Park Service road maintenance program and Pavement Management System (PMS) developed and maintained by FHWA.

This ***"Distress Identification Manual for the NPS Road Inventory Program, Cycle 5, 2010-2013"*** will be used as a reference resource in crack detection and classification, determination of distress severity and extent, and in the calculation of distress index values for the FHWA RIP Cycle 5.

SURFACE DISTRESSES

Surface Condition Rating - SCR

Surface distresses are measured in the primary lane only. In the classification and measurement of all paved surface condition data, results will be reported in the database in record intervals of 0.02 miles (105.6 feet) (smallest granularity) along the route.

Surface distresses determined from digital images

- Transverse Cracks
- Longitudinal Cracks
- Alligator Cracks
- Patching/Potholes

Surface distress measured by DCV (Data Collection Vehicle) LRMS (Laser Rut Measuring System)

- Rutting

Each of the five surface distresses is assigned a computed surface distress index

- Transverse Crack Index
- Longitudinal Crack Index
- Alligator Crack Index
- Patching/Pothole Index
- Rutting Index

Surface distress data are classified as listed above, measured for severity, and quantified for extent. Classification, severity, and extent of these five surface distresses comprise the three main elements for calculation of SCR (Surface Condition Rating).

In addition to the five surface distresses, a **Structural Crack Index** is computed, which is a combination of the Longitudinal Crack Index and the Alligator Crack Index. The Structural Crack Index is then used in lieu of the LC and AC indices to compute SCR.

Roughness Condition Index - RCI

Additional condition data measured by DCV (lasers and accelerometers)

- Roughness (IRI)

Roughness is measured by FHWA's DCV and reported as International Roughness Index (IRI) in inches/mile. Using IRI, the Roughness Condition Index (RCI) is computed.

Pavement Condition Rating - PCR

Using the SCR (computed from the five surface distresses) and the RCI, an overall Pavement Condition Rating (PCR) is computed. The formula for PCR is:

Asphalt PCR = (0.60 * SCR) + (0.40 * RCI)
Concrete PCR = RCI

A detailed description of each distress index formula, roughness index formula, SCR and PCR is provided in this document beginning on page 8.

Each classified surface distress will fall into one or more s*everity*…LOW, MEDIUM, or HIGH based on criteria listed. For each severity, an e*xtent* is established based on the measured quantity of the distress within that severity. Within each *severity* individual distresses are assigned a *Maximum Allowable Extent* (MAE). For example, LOW severity transverse cracking may be allowed up to 21.1 cracks within a 0.02 interval before it reaches MAE and fails.

The index formulas are based on a scale of 0-100. A PCR index value of 100 would indicate a "new" road with no measurable distresses or rough ride. A PCR value of 60 is determined to be *terminable serviceability* and the road is considered failed. The range of index values with condition descriptors is:

POOR (<=60), FAIR (61 - 84), GOOD (85 - 94), EXCELLENT (95 - 100)

Index values are generally computed based on cumulative deducts of the measured severities. As shown in the index formulas below, as any single severity reaches or exceeds MAE, the index computes to a value of 60 or less, and the road fails for that 0.02 interval.

> **Note:** As a result of a unique combination of measured surface distresses and IRI, index values occasionally compute to less than 0 or greater than 100. In this instance, an index value < 0 defaults 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.

On the following page, Table 1 summarizes the different types of distresses measured.

TABLE 1: Distress Summary

ASPHALT-SURFACED PAVEMENT DISTRESS TYPES with RUTTING and ROUGHNESS				
DISTRESS TYPE	**UNIT OF MEASURE…**	**…CONVERTED TO**	**DEFINED SEVERITY LEVELS?**	**MEASURED BY**
Alligator Cracking	**Square Feet**	**Percent of Lane Per 0.02 Mile**	**Yes**	**Digital Image Crack Detection Software**
Transverse Cracking	**Linear Feet**	**Number of Cracks Per 0.02 Mile**	**Yes**	**Digital Image Crack Detection Software**
Longitudinal Cracking	**Linear feet**	**Percent of Lane Length Per 0.02 Mile**	**Yes**	**Digital Image Crack Detection Software**
Patching/Potholes	**Square Feet**	**Percent of Lane Per 0.02 Mile**	**No**	**Digital Image Crack Detection Software**
Rutting	**Inches**	**Rut Depth Per 0.02 Mile**	**Yes**	**DCV – Laser Rut Measuring System (LRMS)**
Roughness	**IRI**	***RCI Per 0.02 Mile**	**No**	**DCV – Lasers /Accelerometers**

***Note: Roughness is measured on concrete roadways, but surface distresses and rutting are not measured. For concrete, PCR = RCI**

ALLIGATOR CRACKING

Description

Alligator cracking is considered a combination of fatigue and block cracking. It is a series of interconnected cracks in various stages of development. Alligator cracking develops into a many-sided pattern that resembles chicken wire or alligator skin. It can occur anywhere in the road lane. Alligator cracking must have a quantifiable area.

Severity Levels

LOW
An area of cracks with no or very few interconnecting cracks and the cracks are not spalled. Cracks are <= 0.25 in (6mm) in mean width. Cracks in the pattern are no further apart than 1 foot (0.328 m). May be sealed cracks with sealant in good condition and a crack width that cannot be determined.

MEDIUM
An area of interconnected cracks that form a complete pattern. Cracks may be slightly spalled. Cracks are >0.25 in. (6 mm) and <= 0.75 in. (19 mm) or any crack with a mean width <= 19 mm and adjacent low severity cracking. Cracks in the pattern are no further apart than 6 in. (150 mm).

HIGH
An area of interconnected cracks forming a complete pattern. Cracks are moderately or severely spalled. Cracks are >0.75 in (19mm) or any crack with a mean width <= 0.75 in (19mm) and adjacent medium to high severity random cracking.

A combination of observed crack width and crack pattern is used to determine overall severity of alligator cracking. Based on above description of each severity, the highest level of crack width and crack pattern determines overall severity. Table 2 illustrates this.

TABLE 2: Alligator Crack Severity Levels

ALLIGATOR CRACKING SEVERITY LEVELS		Crack Pattern		
		LOW	**MED**	**HIGH**
Crack Width	**LOW**	L	M	H
	MED	M	M	H
	HI	H	H	H

LONGITUDINAL CRACKING

Description

Longitudinal cracking occurs predominantly parallel to the pavement centerline. It can occur anywhere within the lane. Longitudinal cracks occurring in the wheelpath may be noteworthy.

Severity Levels

LOW
Cracks with a mean width of < 0.25 in. (6 mm). Sealed cracks with sealant in good condition and a width that cannot be determined.

MED
Cracks with a mean width > 0.25 in. (6 mm) and <= 0.75 in. (19 mm). Also, any crack with a mean width < 0.75 in. (19 mm) and adjacent random low severity cracking.

HIGH
Cracks with a mean width > 0.75 in. (19 mm). Also, any crack with a mean width < 0.75 in. (19 mm) and adjacent random medium to high severity cracking.

TRANSVERSE CRACKING

Description

Transverse cracking occurs predominantly perpendicular to the pavement centerline. It can occur anywhere within the lane.

Severity Levels

LOW
Cracks with a mean width of < 0.25 in. (6 mm). Sealed cracks with sealant in good condition and a width that cannot be determined.

MED
Cracks with a mean width > 0.25 in. (6 mm) and <= 0.75 in. (19 mm). Also, any crack with a mean width < 0.75 in. (19 mm) and adjacent random low severity cracking.

HIGH
Cracks with a mean width > 0.75 in. (19 mm). Also, any crack with a mean width < 0.75 in. (19 mm) and adjacent random medium to high severity cracking.

PATCHING AND POTHOLES

Description

Patching is an area of pavement surface that has been removed and replaced with patching material or an area of pavement surface that has had additional patching material applied. Patching may encompass partial-lane or full-lane width. On full-lane width patching; the total, contiguous length of a patch may not exceed 0.30 mi. (0.48 km). Any full-lane width patch exceeding 0.30 mi. in length is considered a pavement change, not a patch for the purposes of distress analysis. Patching must have a quantifiable area.

Potholes are bowl-shaped holes of various sizes occurring in the pavement surface.

Severity Levels

There are no stratified severities for Patching/Potholes. They either are present or they are not.

RUTTING

Description

Rutting is a longitudinal surface depression in the wheelpath.

Severity Levels

LOW
Ruts with a measured depth $\geq$ 0.20" and $\leq$ 0.49"

MED
Ruts with a measured depth $\geq$ 0.50" and $\leq$ 0.99"

HIGH
Ruts with a measured depth $\geq$ 1.00"

Ruts < 0.20" are not included in the distress calculations.

ROUGHNESS

Description

Roughness is the measurement of the unevenness of the pavement in the direction of travel. It is measured in units of IRI (International Roughness Index), inches per mile, and is indicative of ride comfort.

Severity Levels

There are no stratified severity levels for roughness. The roughness (or smoothness) of a road surface can be defined by IRI in the following table.

TABLE 3: IRI

IRI Descriptions	
Type of Road	**Typical IRI (in/mile)**
New Road, no noticeable roughness	<90
Small level of roughness	90 – 126
Road of average roughness	126 – 190
Road with above average roughness	190 – 253
Road with severe roughness	253 – 380
Nearly impassable	>380

INDEX FORMULAS

Note**:** All index formulas listed below contain MAE applicable to 0.02 mile (105.6 feet) interval.

Alligator Crack Index

AC_INDEX = 100 – 40 * [(%LOW / 35) + (%MED / 15) + (%HI / 5)]

Where:

The values *%LOW*, *%MED* and *%HI* report the percentage of the observed pavement (0.02 mile, primary lane) that contains alligator cracking within the respective severities. These values range from 0 to 100.

%LOW = Percent of total area (primary lane, 0.02 in length), low severity
%MED = Percent of total area (primary lane, 0.02 in length), medium severity
%HI = Percent of total area (primary lane, 0.02 in length), high severity

Percent of total area is computed as:

$$\frac{\text{square foot area of alligator crack severity}}{\text{0.02 mile * lane width}}$$

In AC_INDEX, the denominators 35, 15, and 5 are the Maximum Allowable Extents (MAE) for each severity. In other words, we will allow up to 35% of low severity alligator cracking for a 0.02 interval before failure, 15% for medium severity, and so on. As you can see, if any single severity reaches MAE the resulting index value is 60, or failure.

Longitudinal Crack Index

LC_INDEX = 100 – 40 * [(%LOW / 175) + (%MED / 75) + (%HI / 25)]

Where:

The values *%LOW*, *%MED*, and *%HI* report the length of longitudinal cracking within each severity as a percent of the section length (0.02 mile, primary lane).
These values are ≥ 0 and can exceed 100.

%LOW = Percent of interval length (primary lane, 0.02 in length), low severity
%MED = Percent of interval length (primary lane, 0.02 in length), medium severity
%HI = Percent of interval length (primary lane, 0.02 in length), high severity

Percent of interval length is computed as:

$$\frac{\text{length of respective longitudinal cracking}}{\text{0.02 mile (105.6 feet)}}$$

In LC_INDEX, the denominators 175, 75, and 25 are the Maximum Allowable Extents (MAE) for each severity. In other words, we will allow up to 175% of low severity alligator cracking for a 0.02 interval before failure, 75% for medium severity, and so on. As you can see, if any single severity reaches MAE the resulting index value is 60, or failure.

Structural Crack Index

SC_INDEX = [100 - ((100 - AC_INDEX) + (100 - LC_INDEX))]

Structural Crack Index is a combination of Alligator Cracking and Longitudinal Cracking, and is used in the SCR formula in lieu of AC and LC separately.

Transverse Crack Index

TC_INDEX = 100 – 40 * [(LOW / 21.1) + (MED / 4.4) + (HI / 2.6)]

Where:

The values *LOW*, *MED* and *HI* report a count of the total number of transverse cracks (reported to three decimals) within each severity level, where one transverse crack is equal to the lane width. These values are ≥ 0.

LOW = Number of cracks in interval (primary lane, 0.02 in length), low severity
MED = Number of cracks in interval (primary lane, 0.02 in length), medium severity
HI = Number of cracks in interval (primary lane, 0.02 in length), high severity

Number of cracks is computed as:

$$\frac{\text{Total length of transverse cracks}}{\text{Lane width}}$$

In TC_INDEX, the denominators 21.1, 4.4, and 2.6 are the Maximum Allowable Extents (MAE) for each severity. In other words, we will allow up to 21.1 low severity transverse cracks for a 0.02 interval before failure, 4.4 cracks for medium severity, and so on. As you can see, if any single severity reaches MAE the resulting index value is 60, or failure.

Patching Index

PATCH_INDEX = 100 – 40 * (%PATCHING / 80)

Where:

The value *%PATCHING* reports the percentage of the observed pavement (0.02 mile, primary lane) that contains patching/potholes. This value ranges from 0 to 100.

%PATCHING = Percent of total area (primary lane, 0.02 in length)

Percent of total area is computed as:

$$\frac{\text{square foot area of patching/potholes}}{\text{0.02 mile * lane width}}$$

There are no severity levels for patching. It either exists or does not.

In PATCH_INDEX, the denominator 80 is the Maximum Allowable Extent (MAE) for each severity. In other words, we will allow up to 80% patching for a 0.02 interval before failure. As you can see, if patching/potholes reaches MAE the resulting index value is 60, or failure.

Rutting Index

RUT_INDEX = 100 – 40 * [(%LOW / 535) + (%MED / 205) + (%HI / 40)]

Where:

20 rut depth measurements are taken per 0.02 interval for each of 2 wheel paths (left and right), resulting in a total of 40 measurements taken for both wheel paths. *Each wheelpath is analyzed independently for rut severities.* The values *%LOW*, *%MED* and *%HI* are a *total percentage* of left wheelpath percentage and right wheelpath percentage added together for the respective severity. These values range from 0 to 200.

%LOW = Percent of LOW ruts in left wheelpath based on 20 ruts, plus percent of LOW ruts in right wheelpath based on 20 ruts.
%MED = Percent of MED ruts in left wheelpath based on 20 ruts, plus percent of MED ruts in right wheelpath based on 20 ruts.
%HI = Percent of HI ruts in left wheelpath based on 20 ruts, plus percent of HI ruts in right wheelpath based on 20 ruts.

Percent of rut measurements within each severity can also be computed as:

$$\frac{\text{total number of ruts within each severity in both wheelpaths}}{20} * 100$$

In RUT_INDEX, the denominators 535, 205, and 40 are the Maximum Allowable Extents for each severity. In other words, the formula allows up to 535% low severity

ruts for a 0.02 interval before. However, since 200 is the highest measurable percentage allowed, 535% is unattainable and therefore, no amount of LOW severity rutting will cause the RUT_INDEX to fail a road. Similarly, since the MAE for MED severity rutting is 205, no amount of MED severity rutting will cause the RUT_INDEX to reach 60 and fail the road. As you can see, LOW severity rutting reaches MAE the resulting index value is 60, or failure. This formula was intentionally designed to minimize the impact of LOW and MED severity rutting on RUT_INDEX.

Roughness Condition Index (Asphalt)

RCI = 32 * [5 * (2.718282 ^ (-0.0041 * AVG IRI))]

Where:

The value *AVG IRI* reports the average value of the Left IRI and Right IRI measurements for the interval (0.02 mile, primary lane). This value can range from approximately 40 to 999.0.

Average IRI is computed as:

$$\frac{\text{Left wheelpath IRI + Right wheelpath IRI}}{2}$$

There is no applicable threshold for failure for this index.

Roughness Condition Index (Concrete)

RCI = $-0.0012(IRI^2) + 0.0499(IRI) + 99.542$

For concrete, PCR = RCI

Surface Condition Rating Index

SCR = *Lowest* Index Value Of: [SC_INDEX, TC_INDEX, PATCH_INDEX, RUT_INDEX]

Note: *The modified SCR equation above combines AC_INDEX and LC_INDEX, and considers that a single AC/LC index value of the Structural Crack Index (SC_INDEX). The lowest of the four computed index values (SC_INDEX, TC_INDEX, PATCH_INDEX, or RUT_INDEX) becomes the SCR.*

Where:

See above for determinations of SC_INDEX, TC_INDEX, PATCH_INDEX and RUT_INDEX.

The threshold for failure for this index is SCR = 60.

Data Collection Vehicle Subsystems

Data on paved roads in Cycle 5 is collected by FHWA using a Pathway Services Inc. Data Collection Vehicle (DCV), called PathRunner. The DCV is driven in the primary-direction lane at posted speed limits and less.

CAMERAS

Forward-facing and rear-facing video is collected as .jpg digital imagery at a frequency of 26.4 feet.

Two forward-facing cameras are mounted above the vehicle cab, one pointed straight ahead and the other to the right shoulder providing seamless 120 degree viewing.

CAMERA SPECIFICATIONS **Two Forward/ One Rear Facing**	
Camera lens/type	FUJINON CCTV LENS H16x10B-Y41
Focal length	10 mm – 160 mm
Image size	8.8 mm x 6.6mm
Image format	*.jpg
Image resolution	HD 2000 X 1200
Image pixel size	depends on distance
Zoom ratio	16x
Max Relative Aperture	1:2.5
Iris range	F25-T800 (Equivalent to F800)

Pavement images are created using a Laser Scan Imaging System. This system is composed of a single high resolution line-scan camera and two lasers configured to image an approximate 11-foot wide lane with 1 mm resolution.

CAMERA SPECIFICATIONS **Pavement Line Scan**	
Image size	4280 pixels/line
Image width	4 meters (3950 mm nominal)
Laser class	3B
Power	250W
Vehicle speed limitations	62 mph
Environment	Dry pavement, day or night
Sensor size (approx)	300 mm(H) x 375 mm(L) x 200 mm(D)
Image frame length	26.4 feet

DMI (Distance Measuring Instrument)

The DMI (Distance Measuring Instrument) obtains road length measurements that are accurate to 0.1% for speeds up to 60 mph. The DMI is connected to the hub of the rear wheel on the driver's side, and is calibrated to the revolutions of the rear vehicle axle on a regular basis.

ROUGHNESS (IRI)

The collection system includes a South Dakota type laser profiler manufactured based on active Class 1 ASTM E950 standards. The dynamic profile of the pavement surface is collected from which the IRI roughness data is computed. The sensors include one accelerometer on each wheelpath, one height sensor (laser) on each wheelpath, and a distance transducer.

IRI SPECIFICATIONS	
Reported IRI units	Inches/mile
Vehicle speed limitations	12-62 mph
IRI equipment certification	Texas Transportation Institute (TTI)
Wavelengths accommodated	6 in. – 300 feet
IRI computed & reported	World Bank Technical Paper Number 46
Environment	Dry pavement, day or night, above 32 degrees F
Adherence to specifications	ASTM E950-98 (2004), ASTM E 1926-08, AASHTO MP 11-08, AASHTO PP 49-08

RUTTING

Rutting depths are measured using an INO Laser Rut Measurement System (LRMS). This system is a transverse profiling device that detects and characterizes pavement rutting. The LRMS can acquire full 4 meter width profiles of a pavement lane at normal traffic speeds and uses two laser profilers that digitize transverse sections of the pavement.

RUTTING SPECIFICATIONS	
Reported rut depth units	Inches
Vehicle speed limitations	Up to 62 mph
Sampling rate	30-150 profiles/second
Transverse resolution	1280 points/profile
Transverse field-of-view	4 m
Depth accuracy (nominal)	+/- 1 mm
Environment	Dry pavement, day or night, above 32 degrees F
Adherence to specifications	ASTM E1703M-95 (reapproved 2005)

GPS & INERTIAL SYSTEMS

GPS is collected by an onboard system employing OmniSTAR real-time correction and a gyroscope (spin-type) to provide accurate positioning data (pitch/roll/heading) in instances of satellite obstruction. All GPS coordinates are tied to image and linear distance measurements.

GPS SPECIFICATIONS	
Static accuracy	Sub-meter
Dynamic accuracy	2-3 meters
Receiver	12 satellite tracking
Coordinate system	Lat Lon WGS 84
Environment	Day or night
Cross-slope	+- 0.5 degrees
Grade	+- 0.5 degrees

GPS on Manually Rated Roads (MRR)

Parking areas, some roads, and other paved areas that are not fully drivable with the DCV are collected manually by field technicians. GPS is collected for these routes using portable Trimble GPS backpack units. Paved campground pads and driveways are not typically included in the inventory or GPS.

Geodatabase – Background and Metadata

In addition to this park report, a ***geodatabase*** containing both tabular and spatial data specific to this park has been provided. All data disseminated in the preceding report has been obtained from the tables and fields within said geodatabase. The geodatabase can be referenced for tabular data via Microsoft Access or for both tabular and spatial data via ESRI's ArcGIS Suite of software which consists of; ArcMap, ArcCatalog and ArcExplorer. Consolidating the RIP data into one database creates a seamless relationship of tabular and geographic data. It will allow RIP to facilitate easier updates and enhancements in the future.

A geodatabase can be thought of as simply a database containing spatial data. Many different tables are contained with the park's geodatabase. A complete and thorough description of the tables and fields contained within this geodatabase can be found in the ***metadata***. The metadata is attached directly within the geodatabase and can be accessed via ESRI's ArcCatalog. The metadata portion of the geodatabase also includes data dictionary report functionality that formats the metadata into an easy to read report.

GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
AC	Alligator Cracking
CRS	Condition Rating Sheets (Section 5)
DCV	Data Collection Vehicle
Excellent	Excellent rating with an index value of 95 to 100
Fair	Fair rating with an index value from 61 to 84
FUNCT_CLASS	Functional Classification (see Route ID, Section 2)
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
LC	Longitudinal Cracking
MRR	Manually Rated Route
MRL	Manually Rated Line
MRP	Manually Rated Polygon
N/A	Not Applicable
NC	Not Collected
PATCH	Patching and Potholes
Paved Width	Width from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating
PKG	Parking Area
Poor	Poor rating with an index value of 0 to 60
RCI	Roughness Condition Index
SC	Structural Cracking
SCR	Surface Condition Rating
TC	Transverse Cracking