



Federal Lands Highway Road Inventory Program

Road Inventory and Condition Assessment



Colonial National Historical Park COLO

Cycle 5 Report

**Prepared By: Federal Highway Administration
Road Inventory Program (RIP)
Data Collected: 01/2014
Report Date: 10/2014**

Colonial National Historical Park in Virginia





DCV = Data Collection Vehicle

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Section 1

Introduction



Colonial National Historical Park



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



Colonial National Historical Park



Federal Lands Highway
Road Inventory Program

Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 10/07/2014

(Numerical By Route #)

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Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, DCV Driven
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Blue = All Paved Parking Areas
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*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

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*** Only Functional Class 1, 2, & 7 routes, and previously uncollected routes were collected in Cycle 5

COLO

COLONIAL NATIONAL HISTORICAL PARK

Rte. No.	Cycle Collected	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
0001	5	49952		COLONIAL PARKWAY	FROM ROUTE 0901 (YORKTOWN VISITOR CENTER PARKING) TO BEGIN ROUTE 501AZZ (ISLAND DRIVE SHORT LOOP ROADS) AT GATE	YORKTOWN	22.87	0.00	22.87	1		CO	1,2,3
0100	5	54847		UNTOUCHED REDOUBT ROAD	FROM INTERSECTION OF ROUTE 0500 (WEST TOUR ROAD) AND STATE ROUTE 238 (GOOSLEY ROAD) TO END OF LOOP	YORKTOWN	0.41	0.00	0.41	1		AS	1
0101	5	54840		GRAND FRENCH BATTERY ROAD	FROM STATE ROUTE 704 (COOK ROAD) TO END OF LOOP	YORKTOWN	0.20	0.00	0.20	1		AS	1
0102ZZ	5	102863		SURRENDER FIELD ROADS	FROM INTERSECTION OF ROUTE 0225 (SURRENDER ROAD) AND ROUTE 0502 (AFTERMATH ROAD) TO END OF LOOP	YORKTOWN	0.24	0.00	0.24	1		AS	1
0103	5	54843		REDOUBT ACCESS ROAD	FROM INTERSECTION OF ROUTE 0503ZZ (EAST TOUR ROADS) AND BALLARD STREET TO END OF LOOP	YORKTOWN	0.22	0.00	0.22	1		AS	1
0104	5	54845		MOORE HOUSE ACCESS ROAD	FROM INTERSECTION OF ROUTE 0503ZZ (EAST TOUR ROADS) AND BALLARD STREET TO ROUTE 0928 (MOORE HOUSE PARKING)	YORKTOWN	0.18	0.00	0.18	1		AS	1
0105A	5	99196		US ROUTE 17 ACCESS ROAD A	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 0.75 (ON RIGHT) TO US ROUTE 17	YORKTOWN	0.18	0.00	0.18	1		CO	1
0105B	5	99197		US ROUTE 17 ACCESS ROAD B	FROM US ROUTE 17 TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 0.54 (ON LEFT)	YORKTOWN	0.18	0.00	0.18	1		CO	1
0106	5	99198		FUSILIER'S ROAD	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 1.66 (ON RIGHT) TO OLD ROUTE 238 / WATER STREET	YORKTOWN	0.35	0.00	0.35	1		AS	1
0107A	5	99199		CHEATHAM ANNEX ACCESS ROAD A	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 8.39 (ON RIGHT) TO SANDA AVENUE	YORKTOWN	0.04	0.00	0.04	1		AS	2
0107B	5	99200		CHEATHAM ANNEX ACCESS ROAD B	FROM PENNIMAN ROAD TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 8.51 (ON LEFT)	YORKTOWN	0.12	0.00	0.12	1		AS	2

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Rte. No.	Cycle Collected	FMSS No.	Concess Route	Route Name	From	To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
0108A	5	99201		QUEENS LAKE ACCESS A	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 11.21 (ON LEFT)	TO HUBBARD LANE	JAMESTOWN	0.14	0.00	0.14	1		AS	2
0108B	5	99202		QUEENS LAKE ACCESS B	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 11.31 (ON RIGHT)	TO HUBBARD LANE	JAMESTOWN	0.13	0.00	0.13	1		AS	2
0109A	5	99203		PARKWAY DRIVE ACCESS ROAD A	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 11.90 (ON RIGHT)	TO PARKWAY DRIVE	JAMESTOWN	0.10	0.00	0.10	1		AS	2
0109B	5	99204		PARKWAY DRIVE ACCESS ROAD B	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 12.09 (ON LEFT)	TO PARKWAY DRIVE	JAMESTOWN	0.12	0.00	0.12	1		AS	2
0110	5	99205		STATE ROUTE 359	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 21.81	TO PARK BOUNDARY AT PAVEMENT CHANGE (CONCRETE TO ASPHALT)	JAMESTOWN	0.06	0.00	0.06	1		CO	3
0111A	5	99206		STATE ROUTE 199 KINGS POINT A	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 14.76	TO PARK BOUNDARY AT PAVEMENT CHANGE	JAMESTOWN	0.06	0.00	0.06	1		AS	3
0111B	5	99207		STATE ROUTE 199 KINGS POINT B	FROM PARK BOUNDARY AT PAVEMENT CHANGE	TO ROUTE 0001 (COLONIAL PARKWAY)	JAMESTOWN	0.06	0.00	0.06	1		AS	3
0111C	5	99208		STATE ROUTE 199 KINGS POINT C	FROM STATE ROUTE 199 WESTBOUND	TO ROUTE 0001 (COLONIAL PARKWAY)	JAMESTOWN	0.11	0.00	0.11	1		AS	3
0111D	5	99209		STATE ROUTE 199 KINGS POINT D	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 14.93	TO STATE ROUTE 199 EASTBOUND	JAMESTOWN	0.12	0.00	0.12	1		AS	3
0112A	5	102864		NEWPORT AVENUE ACCESS ROAD A	FROM NEWPORT AVENUE	TO ROUTE 0001 (COLONIAL PARKWAY) (TOWARDS YORKTOWN)	JAMESTOWN	0.06	0.00	0.06	1		CO	2
0112B	5	102867		NEWPORT AVENUE ACCESS ROAD B	FROM NEWPORT AVENUE	TO ROUTE 0001 (COLONIAL PARKWAY) (TOWARDS JAMESTOWN)	JAMESTOWN	0.09	0.00	0.09	1		CO	2
0113	5		■	NORTH ENGLAND STREET ACCESS ROAD	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP (ON RIGHT)	TO PARK BOUNDARY	JAMESTOWN	0.06	0.00	0.06	1		CO	2
0224ZZ	5	54848		WASHINGTON'S HEADQUARTERS ROADS	FROM ROUTE 0500 (WEST TOUR ROAD)	TO END OF LOOP	YORKTOWN	0.35	0.00	0.35	1		AS	1

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Rte. No.	Cycle Collected	FMSS No.	Concess Route	Route Name	From	To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
0225	5	54836		SURRENDER ROAD	FROM STATE ROUTE 704 (COOK ROAD) NORTH END	TO STATE ROUTE 704 (COOK ROAD) SOUTH END	YORKTOWN	1.27	0.00	1.27	1		AS	1
0226ZZ	5	54849		FRENCH LOOP ROADS	FROM ROUTE 0500 (WEST TOUR ROAD)	TO END OF LOOP	YORKTOWN	2.54	0.00	2.54	1		AS	1
0401	4	99102		YORKTOWN MAINTENANCE AREA RESIDENCE ROAD	FROM ROUTE 0999 (YORKTOWN MAINTENANCE PARKING)	TO YORKTOWN COLLECTION STORAGE BUILDING #3	YORKTOWN	0.00	0.00	0.00	6	7,467	AS	1
0402	NC	102878		PRESERVING VIRGINIA ACCESS ROAD	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 22.81 (ON RIGHT)	TO END	JAMESTOWN	0.00	0.31	0.31	5		GR	
0411	NC	99214		LACKEY FIRE ROAD	FROM STATE HIGHWAY 238	TO ROUTE 0500 (WEST TOUR ROAD)	YORKTOWN	0.00	0.17	0.17	6		NV	
0412	NC	99215		FIRE ROAD #3	FROM ROUTE 0500 (WEST TOUR ROAD)	TO CRAWFORD ROAD	YORKTOWN	0.00	0.31	0.31	6		GR	
0414	NC	99216		FIRE ROAD #1	FROM SIEGE LANE	TO PARK BOUNDARY	YORKTOWN	0.00	1.90	1.90	6		GR	
0416	NC			GLASSHOUSE ACCESS ROAD	FROM BUILDING NEAR ROUTE 0906 (NAVAL WEAPONS STATION PARKING)	TO ROUTE 0001 (COLONIAL PARKWAY)	YORKTOWN	0.00	0.06	0.06	6		GR	
0500	5	54852		WEST TOUR ROAD	FROM ROUTE 0102ZZ (SURRENDER FIELD ROADS)	TO INTERSECTION OF ROUTE 0100 (UNTOUCHED REDOUBT ROAD) AND STATE ROUTE 238 (GOOSLEY ROAD)	YORKTOWN	4.28	0.00	4.28	1		AS	1
0501AZZ	5	54573		ISLAND DRIVE WEST LOOP ROADS	FROM INTERSECTION OF ROUTE 0001 (COLONIAL PARKWAY) AND ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING) AT JAMESTOWN	TO END OF LOOP	JAMESTOWN	2.54	0.00	2.54	1		AS	3
0501B	5	54579		ISLAND DRIVE EAST LOOP	FROM ROUTE 0501AZZ (ISLAND DRIVE WEST LOOP ROADS)	TO ROUTE 0501AZZ (ISLAND DRIVE WEST LOOP ROADS)	JAMESTOWN	2.28	0.00	2.28	1		AS	3

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0502	5	54922		AFTERMATH ROAD	FROM INTERSECTION OF ROUTE 0102ZZ (SURRENDER FIELD ROADS) AND ROUTE 0225 (SURRENDER ROAD) TO ROUTE 0225 (SURRENDER ROAD)	YORKTOWN	0.55	0.00	0.55	1		AS	1
0503ZZ	5	54924		EAST TOUR ROADS	FROM BALLARD STREET THROUGH EAST TOUR ROADS	YORKTOWN	2.16	0.00	2.16	1		AS	1
0901	4	54907		YORKTOWN VISITOR CENTER PARKING	FROM BEGINNING OF ROUTE 0001 (COLONIAL PARKWAY) TO PARKING	YORKTOWN	0.00	0.00	0.00		129,963	AS	1
0902ZZ	4	54914		REDOUBT 9, 10 ACCESS ROAD PARKING AREAS	ADJACENT TO ROUTE 0103 (REDOUBT ACCESS ROAD) ON LEFT AND RIGHT	YORKTOWN	0.00	0.00	0.00		2,484	AS	1
0903	5	54916		UNTOUCHED REDOUBT LOOP/PARKING	ADJACENT TO ROUTE 0100 (UNTOUCHED REDOUBT ROAD)	YORKTOWN	0.00	0.00	0.00		1,061	AS	1
0904	5	54917		GLASSHOUSE ACCESS ROAD PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 22.03 (ON RIGHT) TO PARKING	JAMESTOWN	0.00	0.00	0.00		41,004	AS	3
0905	4	54918		FUSILIER'S PARKING	FROM ROUTE 0106 (FUSILIER'S ROAD) AT MP 0.16 (ON LEFT) TO ROUTE 0106 (FUSILIER'S ROAD) AT MP 0.20 (ON LEFT)	YORKTOWN	0.00	0.00	0.00		14,173	AS	1
0906	4	54919		NAVAL WEAPONS STATION PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 2.98 (ON RIGHT) TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 3.02 (ON RIGHT)	YORKTOWN	0.00	0.00	0.00		10,832	CO	2
0907	4	54920		YORKTOWN RIVER OVERLOOK	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 3.43 (ON RIGHT) TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 3.47 (ON RIGHT)	YORKTOWN	0.00	0.00	0.00		7,261	CO	2
0908	4	54921		POWHATAN VILLAGE	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 4.20 (ON RIGHT) TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 4.24 (ON RIGHT)	YORKTOWN	0.00	0.00	0.00		10,048	CO	2
0909	4	54927		INDIAN FIELD CREEK PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 4.32 (ON LEFT) TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 4.35 (ON LEFT)	YORKTOWN	0.00	0.00	0.00		10,005	CO	2
0910	4	54931		CHEATHAM ANNEX PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 5.68 (ON RIGHT) TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 5.72 (ON RIGHT)	YORKTOWN	0.00	0.00	0.00		9,653	CO	2

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0911	4	54932		FELGEATS CREEK PLANTATION PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 5.93 (ON RIGHT)	TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 5.98 (ON RIGHT)	YORKTOWN	0.00	0.00	0.00		15,026	CO	2
0912	4	56258		JONES MILL PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 9.35 (ON LEFT)	TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 9.37 (ON LEFT)	JAMESTOWN	0.00	0.00	0.00		8,305	CO	2
0913	4	56259		PALISADES GREAT OAKS PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 13.97 (ON LEFT)	TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 14.01 (ON LEFT)	JAMESTOWN	0.00	0.00	0.00		11,481	CO	2
0914	4	56260		PAPER MILL CREEK PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 14.17 (ON LEFT)	TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 14.21 (ON LEFT)	JAMESTOWN	0.00	0.00	0.00		9,817	CO	2
0915	4	56261		COLLEGE CREEK PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 16.56 (ON RIGHT)	TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 16.65 (ON RIGHT)	JAMESTOWN	0.00	0.00	0.00		22,688	CO	3
0916	4	56262		ORIENTATION MAP PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 16.93 (ON LEFT)	TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 16.96 (ON LEFT)	JAMESTOWN	0.00	0.00	0.00		11,405	CO	3
0917	4	56263		ARCHER'S HOPE PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 17.91 (ON LEFT)	TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 18.01 (ON LEFT)	JAMESTOWN	0.00	0.00	0.00		20,519	CO	3
0918	4	56264		MILL CREEK PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 19.37 (ON LEFT)	TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 19.46 (ON LEFT)	JAMESTOWN	0.00	0.00	0.00		26,075	CO	3
0919	4	56265		REAL ESTATE PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 19.77 (ON LEFT)	TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 19.80 (ON LEFT)	JAMESTOWN	0.00	0.00	0.00		10,473	CO	3
0920	4	56266		NECK OF LAND PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 20.24 (ON LEFT)	TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 20.31 (ON LEFT)	JAMESTOWN	0.00	0.00	0.00		24,053	CO	3
0921	4	56267		POWHATAN CREEK PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 21.81 (ON LEFT)	TO ROUTE 0001 (COLONIAL PARKWAY) AT MP 21.93 (ON LEFT)	JAMESTOWN	0.00	0.00	0.00		25,464	CO	3
0922	4	56269		CHURCH STREET PARKING	FROM CHURCH STREET	TO READ STREET	YORKTOWN	0.00	0.00	0.00		20,476	AS	1
0923	4	56272		YORKTOWN VICTORY MONUMENT PARKING	FROM BACON STREET	TO ZWEYBRUCKEN ROAD	YORKTOWN	0.00	0.00	0.00		10,624	AS	1
0924	4	56273		YORKTOWN BEACH PICNIC AREA PARKING	FROM WATER STREET	TO PARKING	YORKTOWN	0.00	0.00	0.00		47,830	AS	1

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Red = Concession Route Flag ON

Green = All Unpaved Parking Areas

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** DCV - Data Collection Vehicle

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COLO

COLONIAL NATIONAL HISTORICAL PARK

Rte. No.	Cycle Collected	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
0925	5	56274		CORNWALLIS' CAVE PARKING	ADJACENT TO WATER STREET	YORKTOWN	0.00	0.00	0.00		1,578	AS	1
0926	4	56275		NATIONAL CEMETERY/SECOND SIEGE PARKING	FROM COOK ROAD TO COOK ROAD	YORKTOWN	0.00	0.00	0.00		9,706	AS	1
0927ZZ	5	56276		GRAND FRENCH BATTERY PARKING AREAS	ADJACENT TO ROUTE 0101 (GRAND FRENCH BATTERY ROAD)	YORKTOWN	0.00	0.00	0.00		2,890	AS	1
0928	4	56277		MOORE HOUSE PARKING	FROM END OF ROUTE 0104 (MOORE HOUSE ACCESS ROAD) TO MOORE HOUSE ROAD (NON NPS)	YORKTOWN	0.00	0.00	0.00		7,892	AS	1
0929	5	56279		SURRENDER FIELD ACCESS PARKING	ADJACENT TO ROUTE 0102ZZ (SURRENDER FIELD ROADS)	YORKTOWN	0.00	0.00	0.00		2,255	AS	1
0930	5	56280		WASHINGTON'S HEADQUARTERS PARKING	FROM ROUTE 0224ZZ TO PARKING (WASHINGTON'S HEADQUARTERS ROADS)	YORKTOWN	0.00	0.00	0.00		607	AS	1
0931	4	56281		FRENCH CEMETERY PARKING	FROM ROUTE 0500 (WEST TOUR ROAD) AT MP 1.90 (ON RIGHT) TO ROUTE 0500 (WEST TOUR ROAD) AT MP 1.91 (ON RIGHT)	YORKTOWN	0.00	0.00	0.00		1,726	AS	1
0932	5	99128		NECK O LAND VISITOR CONTACT PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 21.04 (ON LEFT) TO PARKING	JAMESTOWN	0.00	0.00	0.00		75,095	AS	3
0940	4	102877		CAPE HENRY MEMORIAL PARKING	FROM ATLANTIC AVENUE TO PARKING	YORKTOWN	0.00	0.00	0.00		31,058	AS	4
0950	5	56282		JAMESTOWN VISITOR CENTER PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 22.88 (ON RIGHT) TO INTERSECTION OF ROUTE 0001 (COLONIAL PARKWAY) AND ROUTE 0501AZZ (ISLAND DRIVE WEST LOOP ROADS)z	JAMESTOWN	0.00	0.00	0.00		129,615	AS	3
0951ZZ	5			ISLAND DRIVE SHORT LOOP PARKING AREAS	FROM ROUTE 0501AZZ (ISLAND DRIVE WEST LOOP ROADS) TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)	JAMESTOWN	0.00	0.00	0.00		31,635	AS	3
0952ZZ	5			ISLAND DRIVE OUTER LOOP PARKING AREAS	FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP) TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)	JAMESTOWN	0.00	0.00	0.00		29,605	AS	3
0990	4	56283		JAMESTOWN MAINTENANCE PARKING	FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 20.88 (ON RIGHT) TO PARKING	JAMESTOWN	0.00	0.00	0.00		23,645	AS	3

Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 10/07/2014

(Numerical By Route #)

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*** Only Functional Class 1, 2, & 7 routes, and previously uncollected routes were collected in Cycle 5

COLO

COLONIAL NATIONAL HISTORICAL PARK

Rte. No.	Cycle Collected	FMSS No.	Concess Route	Route Name	Route Description		Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
					From	To								
0999	4	56284		YORKTOWN MAINTENANCE PARKING	FROM US ROUTE 17	TO STATE HIGHWAY 238 (GOOSLEY ROAD)	YORKTOWN	0.00	0.00	0.00		236,606	AS	1
5000	4			CENTERVILLE ROAD	FROM MONTICELLO AVENUE	TO JOHN TYLER MEMORIAL HIGHWAY	JAMESTOWN	0.73	0.00	0.73			AS	3

Cycle 5 NPS/RIP Route ID Report

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(Numerical By Route #)

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CYCLE 5 COLLECTED SUMMARY TOTALS FOR COLONIAL NATIONAL HISTORICAL PARK

CYCLE 5 COLLECTED ROUTE TOTALS	
DCV Driven Route Miles	42.08
Manually Rated Route Miles	0.00
TOTAL PARK ROUTE MILES COLLECTED IN CYCLE 5	42.08
Manually Rated Routes (SQFT)	0

* CYCLE 5 COLLECTED PARKING AREA TOTALS	
Paved Parking (SQFT)	315,345

CYCLE 5 COLLECTED CONCESSION TOTALS	
Concession Paved Route Miles	0.06
Concession Paved Parking Area SQFT	0
Concession Manually Rated Routes SQFT	0

CYCLE 5 COLLECTED WEIGHTED AVERAGE PARK VALUES	
DCV Driven PCR	73
**Manually Rated Routes PCR	N/A
**Parking PCR	72
***Total Equivalent Lane Miles	90.66

TOTAL PARK SUMMARY FOR COLONIAL NATIONAL HISTORICAL PARK

ROUTE TOTALS	
TOTAL PAVED PARK ROUTE MILES	42.08
TOTAL PAVED PARKING (SQFT)	1,084,633

* - 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.

Cycle 5 NPS/RIP Route ID Report

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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.

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 COLO

Road Inventory Program 10/07/2014

(Numerical By Subcomponent #)

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COLO

COLONIAL NATIONAL HISTORICAL PARK

Rte. No.	FMSS No.	Cycle Collected	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0102ZZ	102863	5	SURRENDER FIELD ROADS	FROM INTERSECTION OF ROUTE 0225 (SURRENDER ROAD) AND ROUTE 0502 (AFTERMATH ROAD)	TO END OF LOOP		1	0.24	0.00	0.24	
0224ZZ	54848	5	WASHINGTON'S HEADQUARTERS ROADS	FROM ROUTE 0500 (WEST TOUR ROAD)	TO END OF LOOP		1	0.35	0.00	0.35	
0226ZZ	54849	5	FRENCH LOOP ROADS	FROM ROUTE 0500 (WEST TOUR ROAD)	TO END OF LOOP		1	2.54	0.00	2.54	
0501AZZ	54573	5	ISLAND DRIVE WEST LOOP ROADS	FROM INTERSECTION OF ROUTE 0001 (COLONIAL PARKWAY) AND ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING) AT JAMESTOWN	TO END OF LOOP		1	2.54	0.00	2.54	
0503ZZ	54924	5	EAST TOUR ROADS	FROM BALLARD STREET	THROUGH EAST TOUR ROADS		1	2.16	0.00	2.16	
0902ZZ	54914	4	REDOUBT 9, 10 ACCESS ROAD PARKING AREAS	ADJACENT TO ROUTE 0103 (REDOUBT ACCESS ROAD) ON LEFT AND RIGHT				0.00	0.00	0.00	2,484
0927ZZ	56276	5	GRAND FRENCH BATTERY PARKING AREAS	ADJACENT TO ROUTE 0101 (GRAND FRENCH BATTERY ROAD)				0.00	0.00	0.00	2,890
0951ZZ	N/A	5	ISLAND DRIVE SHORT LOOP PARKING AREAS	FROM ROUTE 0501AZZ (ISLAND DRIVE WEST LOOP ROADS)	TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)			0.00	0.00	0.00	31,635
0952ZZ	N/A	5	ISLAND DRIVE OUTER LOOP PARKING AREAS	FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP)	TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)			0.00	0.00	0.00	29,605

COLO-0102ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0102AZ	102863	5	SURRENDER FIELD ROAD	FROM INTERSECTION OF ROUTE 0225 (SURRENDER ROAD) AND ROUTE 0502 (AFTERMATH ROAD)	TO END OF LOOP		1	0.22	0.00	0.22	
0102BZ	102863	5	SURRENDER FIELD SPUR ROAD	FROM ROUTE 0102AZ (SURRENDER FIELD ROAD)	TO ROUTE 0102AZ (SURRENDER FIELD ROAD)		1	0.03	0.00	0.03	

NPS/RIP Subcomponent Details for COLO

Road Inventory Program 10/07/2014

(Numerical By Subcomponent #)

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COLO

COLONIAL NATIONAL HISTORICAL PARK

COLO-0224ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0224AZ	54848	5	WASHINGTON'S HEADQUARTERS ROAD	FROM ROUTE 0500 (WEST TOUR ROAD) AT MP 1.72	TO END OF LOOP		1	0.32	0.00	0.32	
0224BZ	54848	5	WASHINGTON'S HEADQUARTERS SPUR ROAD	FROM ROUTE 0224AZ (WASHINGTON'S HEADQUARTERS ROAD)	TO ROUTE 0500 (WEST TOUR ROAD)		1	0.03	0.00	0.03	

COLO-0226ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0226AZ	54849	5	FRENCH LOOP ROAD	FROM ROUTE 0500 (WEST TOUR ROAD)	TO END OF LOOP		1	2.49	0.00	2.49	
0226BZ	54849	5	FRENCH LOOP SPUR ROAD	FROM ROUTE 0226AZ (FRENCH LOOP ROAD)	TO ROUTE 0500 (WEST TOUR ROAD)		1	0.05	0.00	0.05	

COLO-0501AZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0501AAZ	54573	5	ISLAND DRIVE WEST LOOP	FROM INTERSECTION OF ROUTE 0001 (COLONIAL PARKWAY) AND ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING) AT JAMESTOWN	TO END OF LOOP		1	2.48	0.00	2.48	
0501ABZ	54573	5	ISLAND DRIVE WEST LOOP SPUR	FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)	TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)		1	0.06	0.00	0.06	

NPS/RIP Subcomponent Details for COLO

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COLO

COLONIAL NATIONAL HISTORICAL PARK

COLO-0503ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0503AZ	54924	5	EAST TOUR ROAD A	FROM INTERSECTION OF ROUTE 0103 (REDOUBT ACCESS ROAD) AND BALLARD STREET	TO ROUTE 0225 (SURRENDER ROAD)		1	1.83	0.00	1.83	
0503BZ	54924	5	EAST TOUR ROAD B	FROM INTERSECTION OF ROUTE 0104 (MOORE HOUSE ACCESS ROAD)	TO ROUTE 0503AZ (EAST TOUR ROAD A)		1	0.33	0.00	0.33	

COLO-0902ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0902AZ	54914	4	REDOUBT 9, 10 ACCESS ROAD PARKING A	ADJACENT TO ROUTE 0103 (REDOUBT ACCESS ROAD) AT MP 0.15 (ON RIGHT)			0.00	0.00	0.00	976	
0902BZ	54914	4	REDOUBT 9, 10 ACCESS ROAD PARKING B	ADJACENT TO ROUTE 0103 (REDOUBT ACCESS ROAD) AT MP 0.17 (ON LEFT)			0.00	0.00	0.00	827	
0902CZ	54914	4	REDOUBT 9, 10 ACCESS ROAD PARKING C	ADJACENT TO ROUTE 0103 (REDOUBT ACCESS ROAD) AT MP 0.17 (ON RIGHT)			0.00	0.00	0.00	681	

COLO-0927ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0927AZ	56276	5	GRAND FRENCH BATTERY PARKING A	ADJACENT TO ROUTE 0101 (GRAND FRENCH BATTERY ROAD) AT MP 0.05 (ON RIGHT)			0.00	0.00	0.00	1,482	
0927BZ	56276	5	GRAND FRENCH BATTERY PARKING B	ADJACENT TO ROUTE 0101 (GRAND FRENCH BATTERY ROAD) AT MP 0.02 (ON RIGHT)			0.00	0.00	0.00	1,408	

NPS/RIP Subcomponent Details for COLO

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COLO

COLONIAL NATIONAL HISTORICAL PARK

COLO-0951ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0951AZ	N/A	5	EARLY AFRICAN RESIDENTS PARKING	FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)	TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)			0.00	0.00	0.00	6,785
0951BZ	N/A	5	JAMESTOWN ISLAND DRIVE PARKING	FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)	TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)			0.00	0.00	0.00	5,329
0951CZ	N/A	5	JAMESTOWN DURING THE CIVIL WAR PARKING	FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)	TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)			0.00	0.00	0.00	4,566
0951DZ	N/A	5	THE CHANGING LAND PARKING	FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)	TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)			0.00	0.00	0.00	4,682
0951EZ	N/A	5	PRECIOUS PLANTS PARKING	FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)	TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)			0.00	0.00	0.00	4,147
0951FZ	N/A	5	SOILE FIT TO PRODUCE PARKING	FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)	TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)			0.00	0.00	0.00	6,126

COLO-0952ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Description			Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
			Route Name	From	To						
0952AZ	N/A	5	FOOT TRAIL TO BLACK POINT PARKING	FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP)	TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)			0.00	0.00	0.00	6,389
0952BZ	N/A	5	AN ANCIENT PLANTER PARKING	FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP)	TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)			0.00	0.00	0.00	6,488
0952CZ	N/A	5	THE TRAVIS ESTATE PARKING	FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP)	TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)			0.00	0.00	0.00	5,281
0952DZ	N/A	5	FENCES AND DITCHES PARKING	FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP)	TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)			0.00	0.00	0.00	4,536
0952EZ	N/A	5	THE ISLAND HOUSE / PLANTS FROM THE PAST PARKING	FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP)	TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)			0.00	0.00	0.00	6,911

ROUTES ADDED FROM PREVIOUS INVENTORY:

Route #	Route Name	Reason for Addition	Comments
0113	NORTH ENGLAND STREET ACCESS ROAD	OTHER	PAVED ROAD ADDED IN CYCLE 5 PER THE PARK'S REQUEST.
0951ZZ	ISLAND DRIVE SHORT LOOP PARKING AREAS	OTHER	PAVED PARKING ADDED IN CYCLE 5 PER THE PARK'S REQUEST.
0952ZZ	ISLAND DRIVE OUTER LOOP PARKING AREAS	OTHER	PAVED PARKING ADDED IN CYCLE 5 PER THE PARK'S REQUEST.

ROUTES MODIFIED FROM PREVIOUS INVENTORY:

Route #	Route Name	Type of Modification	Comments
0904	GLASSHOUSE ACCESS ROAD PARKING	RECONSTRUCTED	ROUTE RECOLLECTED IN CYCLE 5 BECAUSE ROUTE HAS BEEN PARTIALLY RECONSTRUCTED SINCE CYCLE 4 DATA COLLECTION. AS A RESULT THE ROUTE SQ. FT. DECREASED.
0950	JAMESTOWN VISITOR CENTER PARKING	RECONSTRUCTED	ROUTE RECOLLECTED IN CYCLE 5 BECAUSE SOME SECTIONS HAVE BEEN RECONSTRUCTED SINCE CYCLE 4 DATA COLLECTION. AS A RESULT THE ROUTE AREA DECREASED.

ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE -

COLO

OTHER CHANGES FROM PREVIOUS INVENTORY:

Route #	Route Name	Type of Change	Comments
0100	UNTOUCHED REDOUBT ROAD	OTHER	THIS ROUTE WAS SPLIT OUT OF ROUTE 0500ZZ (YORKTOWN WEST TOUR ROADS) BECAUSE IT IS CONSIDERED A SEPARATE LOCATION BY THE PARK. THE ROAD WAS EXTENDED THROUGH ROUTE 0903 BECAUSE THE TURNAROUND LOOP IS CONSIDERED PART OF THE ROAD. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1. ROUTE IS PRINCIPAL PARK ROAD.
0101	GRAND FRENCH BATTERY ROAD	ROUTE SPLIT	THIS ROUTE WAS SPLIT OUT OF ROUTE 0503ZZ (YORKTOWN EAST TOUR ROUTES) BECAUSE IT IS CONSIDERED A SEPARATE LOCATION BY THE PARK. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1; ROUTE IS PRINCIPAL PARK ROAD.
0102ZZ	SURRENDER FIELD ROADS	OTHER	THIS ROUTE WAS SPLIT OUT OF ROUTE 0500ZZ (YORKTOWN WEST TOUR ROADS) BECAUSE IT IS CONSIDERED A SEPARATE LOCATION BY THE PARK. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1. ROUTE IS PRINCIPAL PARK ROAD.
0103	REDOUBT ACCESS ROAD	ROUTE SPLIT	THIS ROUTE WAS SPLIT OUT OF 0503ZZ (YORKTOWN EAST TOUR ROUTES) BECAUSE IT IS CONSIDERED A SEPARATE LOCATION BY THE PARK. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1; ROUTE IS PRINCIPAL PARK ROAD.
0104	MOORE HOUSE ACCESS ROAD	ROUTE SPLIT	THIS ROUTE WAS SPLIT OUT OF 0503ZZ (YORKTOWN EAST TOUR ROUTES) BECAUSE IT IS CONSIDERED A SEPARATE LOCATION BY THE PARK. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1; ROUTE IS PRINCIPAL PARK ROAD.
0110	STATE ROUTE 359	OTHER	ROUTE NAME CHANGED; WAS "TAZEWELL HALL ACCESS ROAD". FUNCTIONAL CLASSIFICATION CHANGED FROM 2 TO 1; ROUTE IS A PRINCIPAL PARK ROAD.
0111A	STATE ROUTE 199 KINGS POINT A	OTHER	ROUTE IS SHORTER IN CYCLE 5 BECAUSE ONLY PART OF IT IS NPS OWNED / MAINTAINED. ROUTE NAME CHANGED; WAS "STATE ROUTE 199 INTERCHANGE A".
0111B	STATE ROUTE 199 KINGS POINT B	OTHER	ROUTE IS SHORTER IN CYCLE 5 BECAUSE ONLY PART OF IT IS NPS OWNED / MAINTAINED. ROUTE NAME CHANGED; WAS "STATE ROUTE 199 INTERCHANGE B".
0111C	STATE ROUTE 199 KINGS POINT C	ROUTE NAME	ROUTE NAME CHANGED; WAS "STATE ROUTE 199 INTERCHANGE C".

ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE -

COLO

OTHER CHANGES FROM PREVIOUS INVENTORY:

Route #	Route Name	Type of Change	Comments
0111D	STATE ROUTE 199 KINGS POINT D	ROUTE NAME	ROUTE NAME CHANGED; WAS "STATE ROUTE 199 INTERCHANGE D".
0112A	NEWPORT AVENUE ACCESS ROAD A	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASSIFICATION CHANGED FROM 2 TO 1; ROUTE IS A PRINCIPAL PARK ROAD.
0112B	NEWPORT AVENUE ACCESS ROAD B	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASSIFICATION CHANGED FROM 2 TO 1; ROUTE IS A PRINCIPAL PARK ROAD.
0224ZZ	WASHINGTON'S HEADQUARTERS ROADS	OTHER	THIS ROUTE WAS SPLIT OUT OF ROUTE 0500ZZ (YORKTOWN WEST TOUR ROADS) BECAUSE IT IS CONSIDERED A SEPARATE LOCATION BY THE PARK. THE ROAD WAS EXTENDED THROUGH ROUTE 0930 BECAUSE THE TURNAROUND LOOP IS CONSIDERED PART OF THE ROAD. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1.
0225	SURRENDER ROAD	ROUTE SPLIT	THIS ROUTE WAS SPLIT OUT OF ROUTE 0500ZZ (YORKTOWN WEST TOUR ROADS) BECAUSE IT IS CONSIDERED A SEPARATE LOCATION BY THE PARK. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1; ROUTE IS PRINCIPAL PARK ROAD.
0226ZZ	FRENCH LOOP ROADS	OTHER	THIS ROUTE WAS SPLIT OUT OF ROUTE 0500ZZ (YORKTOWN WEST TOUR ROADS) BECAUSE IT IS CONSIDERED A SEPARATE LOCATION BY THE PARK. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1. ROUTE IS PRINCIPAL PARK ROAD.
0500	WEST TOUR ROAD	ROUTE SPLIT	THIS ROUTE WAS SPLIT OUT OF ROUTE 0500ZZ (YORKTOWN WEST TOUR ROADS) BECAUSE IT IS CONSIDERED A SEPARATE LOCATION BY THE PARK. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1; ROUTE IS PRINCIPAL PARK ROAD.
0501AZZ	ISLAND DRIVE WEST LOOP ROADS	OTHER	CYCLE 4 ROUTE 0501ZZ WAS SPLIT INTO TWO ROUTES IN CYCLE 5; 0501AZZ (WEST LOOP) AND 0501B (EAST LOOP) BECAUSE THEY ARE MANAGED AS SEPARATE LOCATIONS. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1; ROUTE IS PRINCIPAL PARK ROAD.
0501B	ISLAND DRIVE EAST LOOP	OTHER	CYCLE 4 ROUTE 0501ZZ WAS SPLIT INTO TWO ROUTES IN CYCLE 5; 0501AZZ (WEST LOOP) AND 0501B (EAST LOOP) BECAUSE THEY ARE MANAGED AS SEPARATE LOCATIONS. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1; ROUTE IS A PRINCIPAL PARK ROAD.

ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE -

COLO

OTHER CHANGES FROM PREVIOUS INVENTORY:

Route #	Route Name	Type of Change	Comments
0502	AFTERMATH ROAD	ROUTE SPLIT	THIS ROUTE WAS SPLIT OUT OF 0500ZZ (YORKTOWN WEST TOUR ROADS) BECAUSE IT IS CONSIDERED A SEPARATE LOCATION BY THE PARK. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1; ROUTE IS A PRINCIPAL PARK ROAD.
0503ZZ	EAST TOUR ROADS	OTHER	CYCLE 4 SUBCOMPONENTS 0101Z, 0103Z, AND 0104Z WERE SPLIT OUT OF THIS ROUTE DURING THE CYCLE 5 ROUTE ID MEETING BECAUSE THEY ARE MANAGED AS SEPARATE LOCATIONS BY THE PARK. FUNCTIONAL CLASSIFICATION CHANGED FROM 3 TO 1; ROUTE IS A PRINCIPAL PARK ROAD.
0903	UNTOUCHED REDOUBT LOOP/PARKING	SQ FEET CHANGE	ROUTE RECOLLECTED IN CYCLE 5 BECAUSE THE TURNAROUND LOOP WAS SPLIT OUT AND ADDED TO ROUTE 0100. AS A RESULT, THE ROUTE AREA DECREASED.
0907	YORKTOWN RIVER OVERLOOK	ROUTE NAME	ROUTE NAME CHANGED; WAS "YORKTOWN RIVER PARKING".
0908	POWHATAN VILLAGE	ROUTE NAME	ROUTE NAME CHANGED; WAS "POWHATAN PARKING".
0910	CHEATHAM ANNEX PARKING	ROUTE NAME	ROUTE NAME CHANGED; WAS "BELLFIELD PLANTATION PARKING".
0911	FELGEATS CREEK PLANTATION PARKING	ROUTE NAME	ROUTE NAME CHANGED; WAS "RINGFIELD PLANTATION PARKING".
0912	JONES MILL PARKING	ROUTE NAME	ROUTE NAME CHANGED; WAS "JAMES MILL PARKING".
0914	PAPER MILL CREEK PARKING	ROUTE NAME	ROUTE NAME CHANGED; WAS "GREAT NECK PARKING".
0915	COLLEGE CREEK PARKING	ROUTE NAME	ROUTE NAME CHANGED; WAS "ATTEMPTED SETTLEMENT/COLLEGE CREEK".

ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE -

COLO

OTHER CHANGES FROM PREVIOUS INVENTORY:

Route #	Route Name	Type of Change	Comments
0916	ORIENTATION MAP PARKING	ROUTE NAME	ROUTE NAME CHANGED; WAS "JAMES RIVER PARKING".
0918	MILL CREEK PARKING	ROUTE NAME	ROUTE NAME CHANGED; WAS "JAMESTOWN ISLAND/GLEBE LAND PARKING".
0921	POWHATAN CREEK PARKING	ROUTE NAME	ROUTE NAME CHANGED; WAS "JAMESTOWN ENTRANCE PARKING".
0922	CHURCH STREET PARKING	ROUTE NAME	ROUTE NAME CHANGED; WAS "YORKTOWN VISITOR PARKING".
0924	YORKTOWN BEACH PICNIC AREA PARKING	ROUTE NAME	ROUTE NAME CHANGED; WAS "YORKTOWN BEACH PARKING".
0925	CORNWALLIS' CAVE PARKING	OTHER	ROUTE RECOLLECTED IN CYCLE 5 TO UPDATE GPS.
0927ZZ	GRAND FRENCH BATTERY PARKING AREAS	OTHER	NEW ROUTE ADDED DURING THE CYCLE 5 ROUTE ID MEETING BECAUSE C4 ROUTE 0927 (NOW 0927AZ) WAS COMBINED WITH A NEW PARKING LOT (0927BZ).
0929	SURRENDER FIELD ACCESS PARKING	SQ FEET CHANGE	ROUTE RECOLLECTED IN CYCLE 5 BECAUSE THE TURNAROUND LOOP WAS SPLIT OUT AND ADDED TO ROUTE 0102ZZ. AS A RESULT, THE ROUTE AREA DECREASED.
0930	WASHINGTON'S HEADQUARTERS PARKING	SQ FEET CHANGE	ROUTE RECOLLECTED IN CYCLE 5 BECAUSE THE TURNAROUND LOOP WAS SPLIT OUT AND ADDED TO ROUTE 0224. AS A RESULT, THE ROUTE AREA DECREASED.
0932	NECK O LAND VISITOR CONTACT PARKING	OTHER	ROUTE WAS RECOLLECTED IN CYCLE 5 TO UPDATE GPS.

Section 3

Park Summary Information



Colonial National Historical Park



Federal Lands Highway
Road Inventory Program

COLO: 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	11.30	26.85%	13.06	31.04%	9.30	22.10%	8.42	20.01%	42.08
2									
3									
4									
5									
6									
7									
8									
Totals	11.30	26.85%	13.06	31.04%	9.30	22.10%	8.42	20.01%	42.08

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.

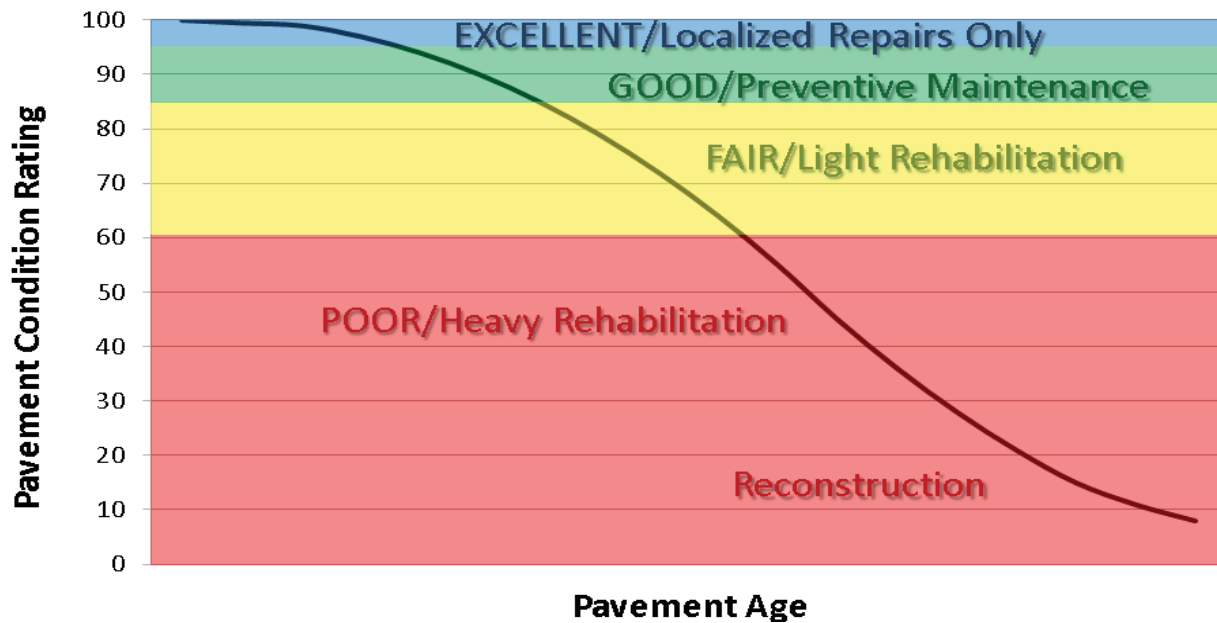
Explanation of the Excellent, Good, Fair and Poor Condition Descriptions

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.

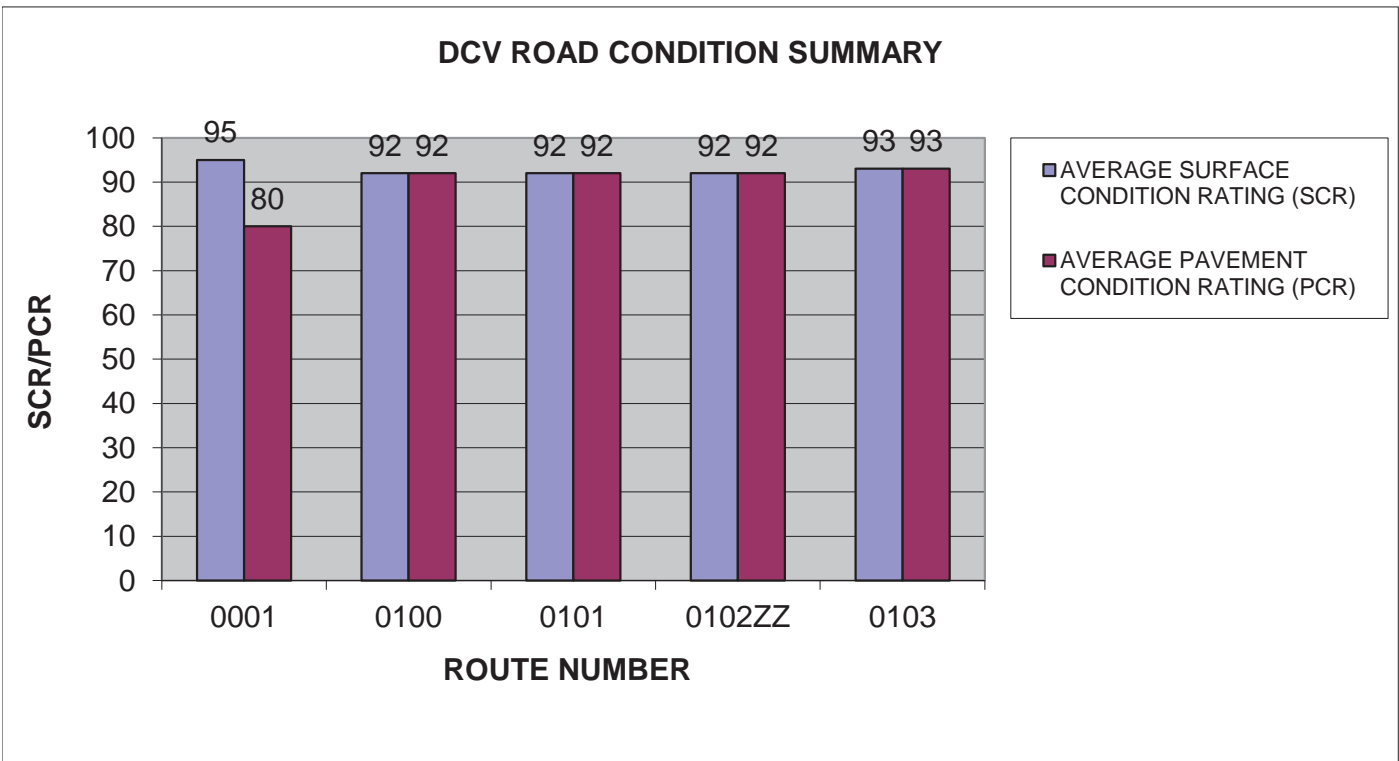
Condition Categories and Treatments



COLO: DCV ROAD CONDITION SUMMARY

DCV - Data Collection Vehicle

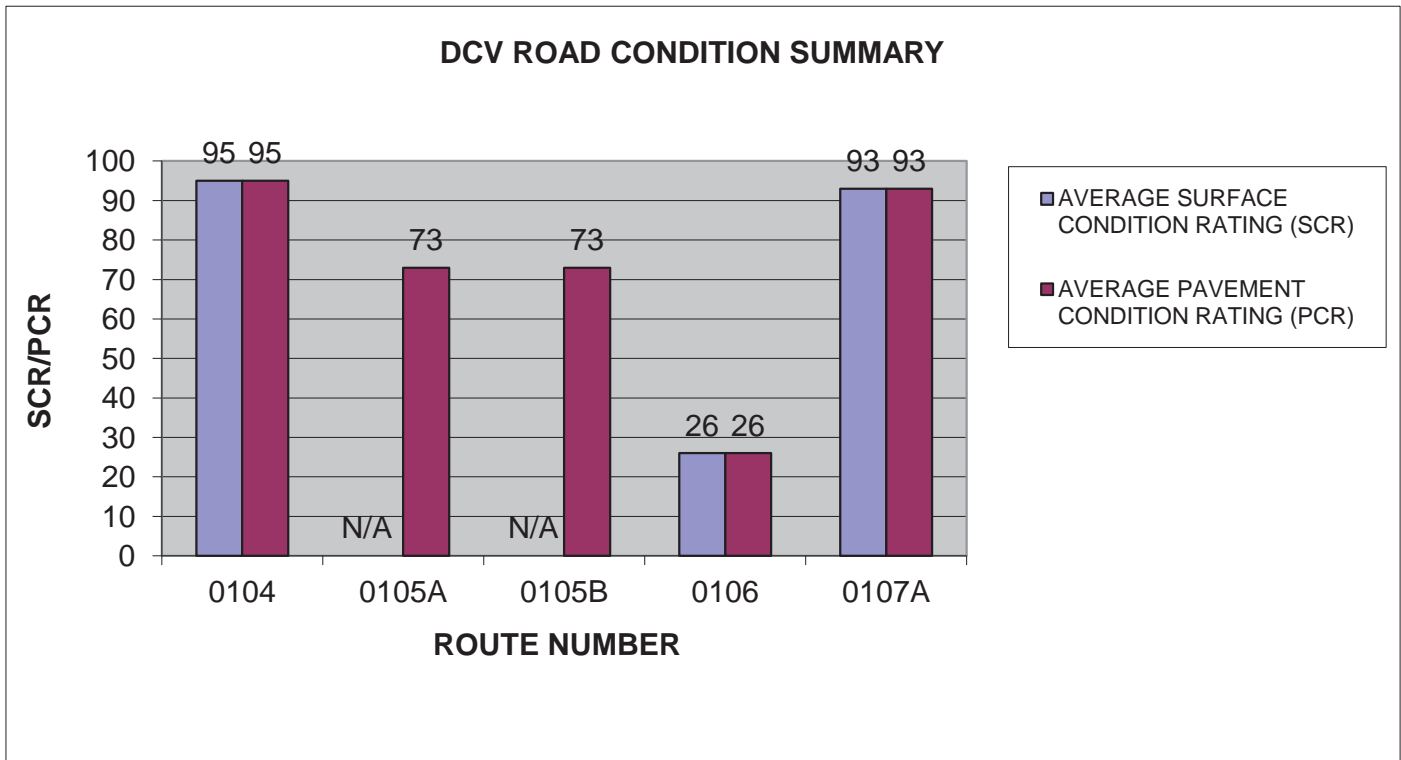
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	PAVED LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0001	COLONIAL PARKWAY	1	22.87	CONCRETE	95	80
0100	UNTOUCHED REDOUBT ROAD	1	0.41	ASPHALT	92	92
0101	GRAND FRENCH BATTERY ROAD	1	0.20	ASPHALT	92	92
0102ZZ	SURRENDER FIELD ROADS	1	0.24	ASPHALT	92	92
0103	REDOUBT ACCESS ROAD	1	0.22	ASPHALT	93	93



COLO: DCV ROAD CONDITION SUMMARY

DCV - Data Collection Vehicle

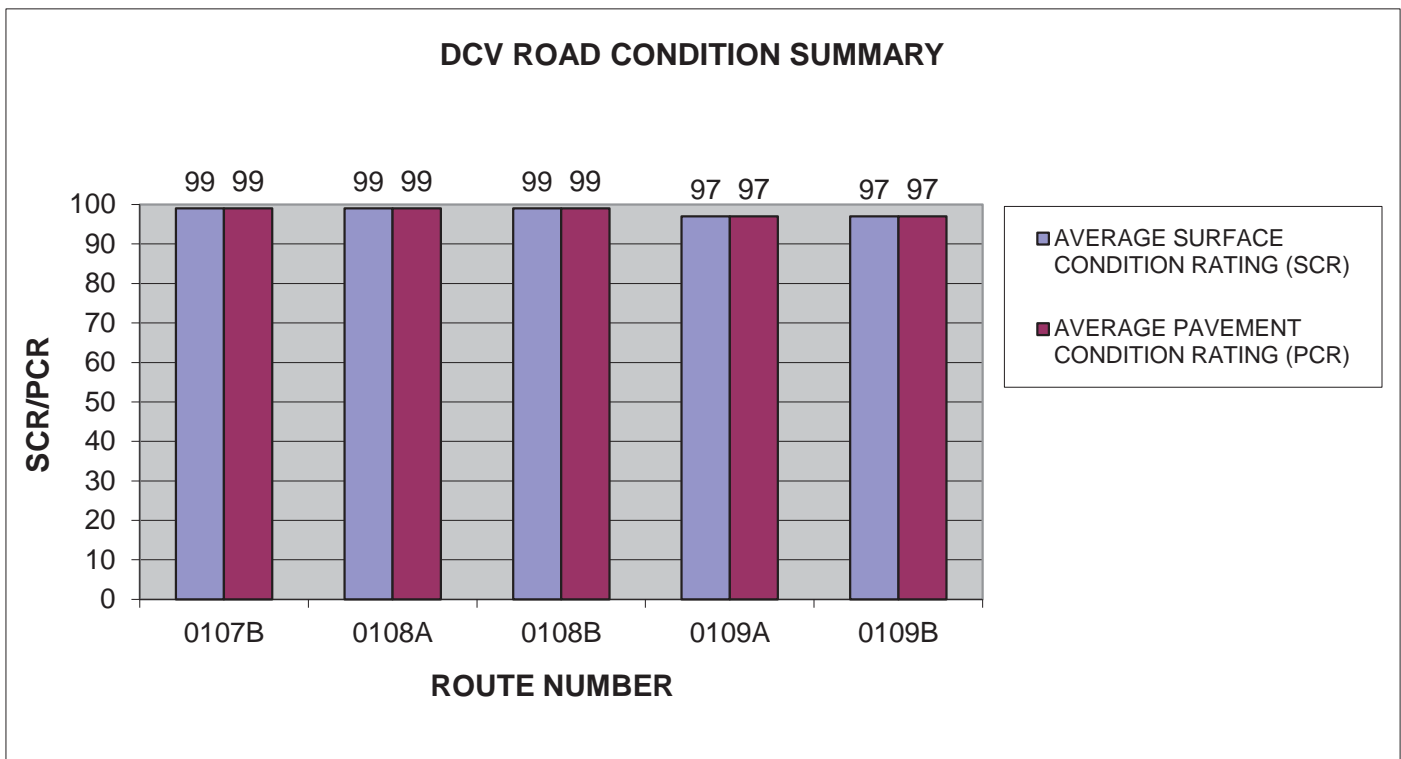
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	PAVED LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0104	MOORE HOUSE ACCESS ROAD	1	0.18	ASPHALT	95	95
0105A	US ROUTE 17 ACCESS ROAD A	1	0.18	CONCRETE	N/A	73
0105B	US ROUTE 17 ACCESS ROAD B	1	0.18	CONCRETE	N/A	73
0106	FUSILIER'S ROAD	1	0.35	ASPHALT	26	26
0107A	CHEATHAM ANNEX ACCESS ROAD A	1	0.04	ASPHALT	93	93



COLO: DCV ROAD CONDITION SUMMARY

DCV - Data Collection Vehicle

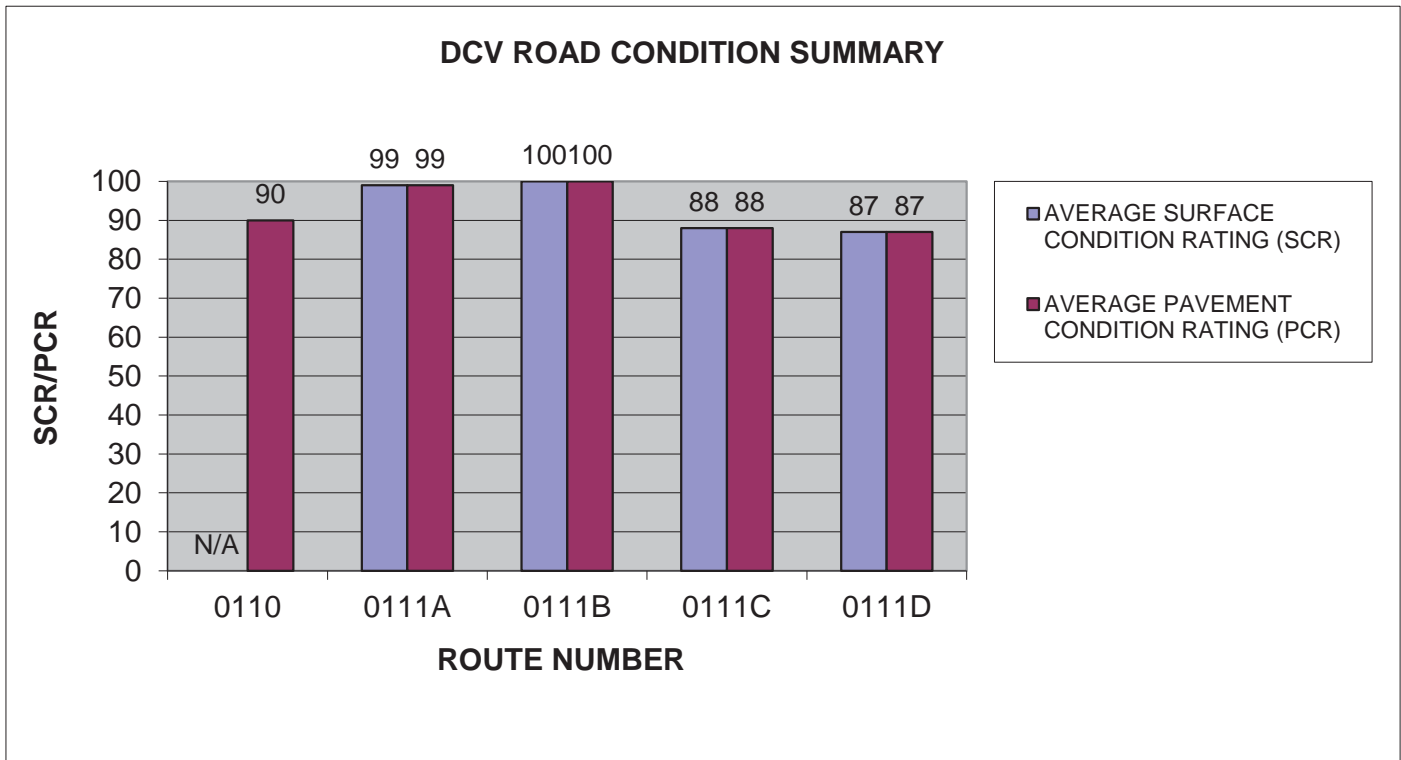
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	PAVED LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0107B	CHEATHAM ANNEX ACCESS ROAD B	1	0.12	ASPHALT	99	99
0108A	QUEENS LAKE ACCESS A	1	0.14	ASPHALT	99	99
0108B	QUEENS LAKE ACCESS B	1	0.13	ASPHALT	99	99
0109A	PARKWAY DRIVE ACCESS ROAD A	1	0.10	ASPHALT	97	97
0109B	PARKWAY DRIVE ACCESS ROAD B	1	0.12	ASPHALT	97	97



COLO: DCV ROAD CONDITION SUMMARY

DCV - Data Collection Vehicle

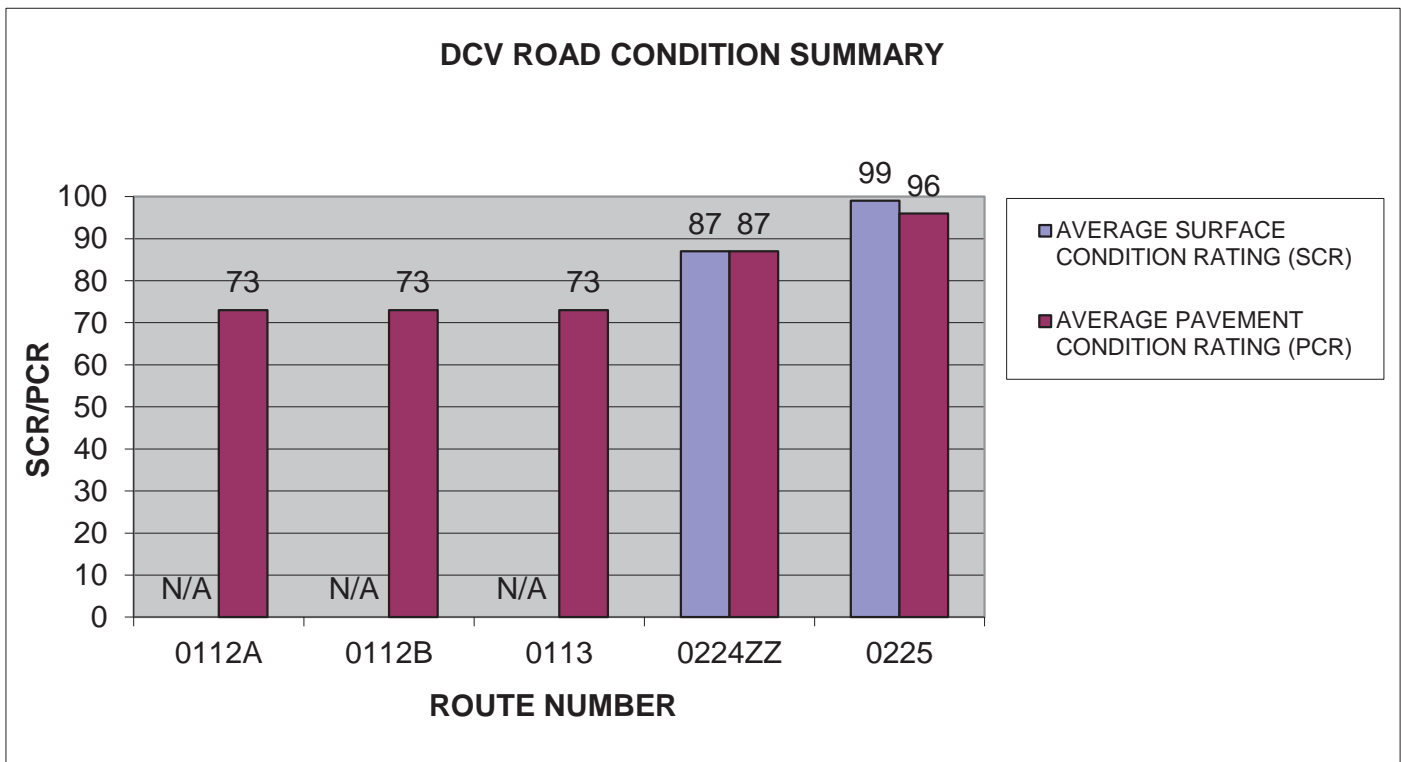
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	PAVED LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0110	STATE ROUTE 359	1	0.06	CONCRETE	N/A	90
0111A	STATE ROUTE 199 KINGS POINT A	1	0.06	ASPHALT	99	99
0111B	STATE ROUTE 199 KINGS POINT B	1	0.06	ASPHALT	100	100
0111C	STATE ROUTE 199 KINGS POINT C	1	0.11	ASPHALT	88	88
0111D	STATE ROUTE 199 KINGS POINT D	1	0.12	ASPHALT	87	87



COLO: DCV ROAD CONDITION SUMMARY

DCV - Data Collection Vehicle

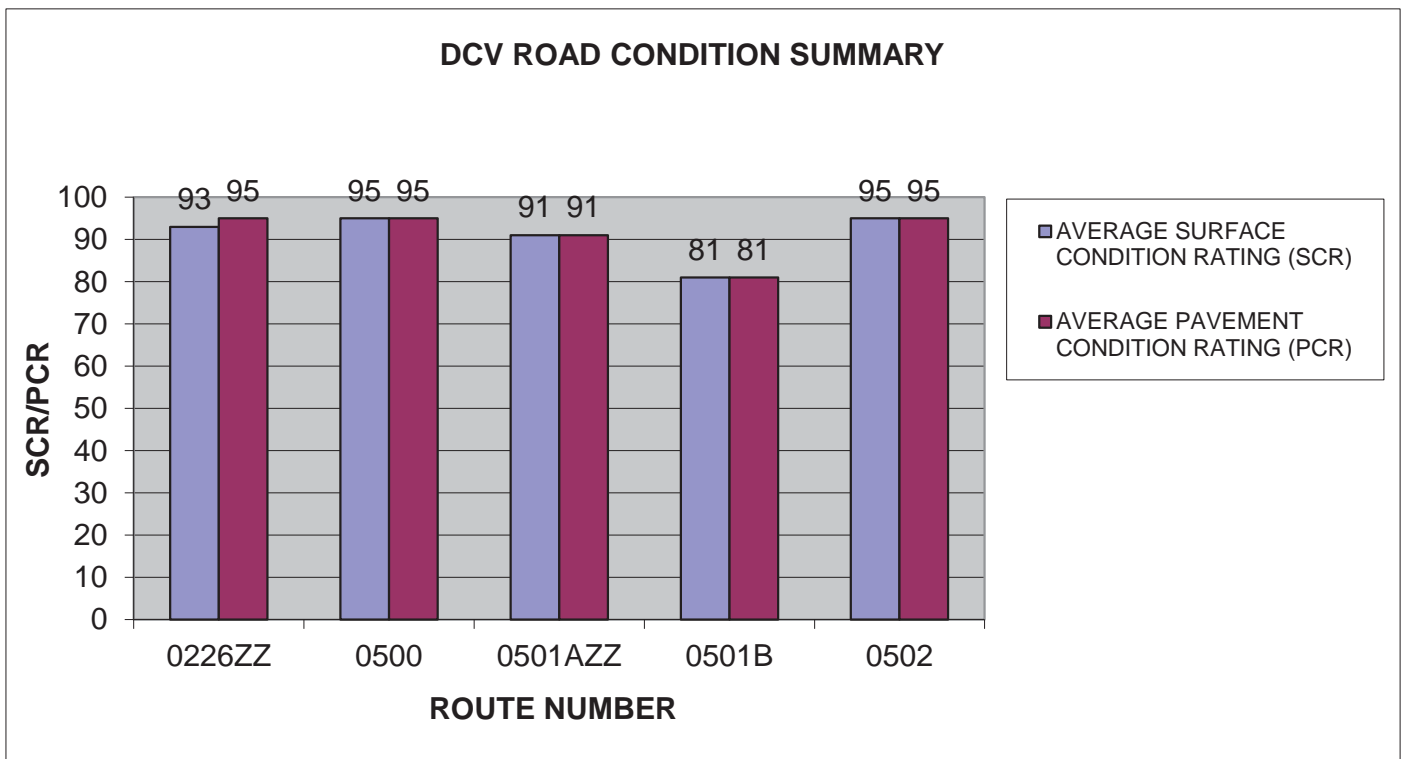
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	PAVED LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0112A	NEWPORT AVENUE ACCESS ROAD A	1	0.06	CONCRETE	N/A	73
0112B	NEWPORT AVENUE ACCESS ROAD B	1	0.09	CONCRETE	N/A	73
0113	NORTH ENGLAND STREET ACCESS ROAD	1	0.06	CONCRETE	N/A	73
0224ZZ	WASHINGTON'S HEADQUARTERS ROADS	1	0.35	ASPHALT	87	87
0225	SURRENDER ROAD	1	1.27	ASPHALT	99	96



COLO: DCV ROAD CONDITION SUMMARY

DCV - Data Collection Vehicle

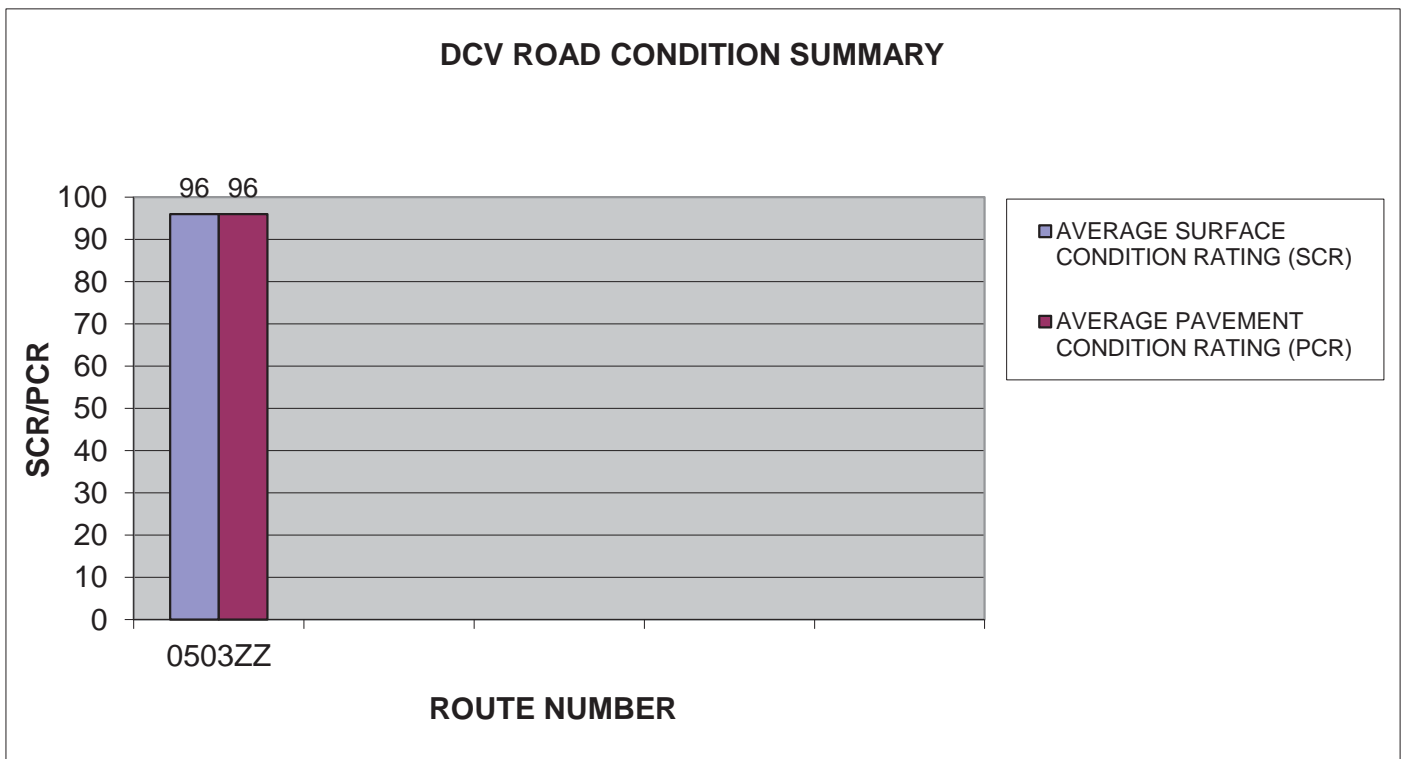
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	PAVED LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0226ZZ	FRENCH LOOP ROADS	1	2.54	ASPHALT	93	95
0500	WEST TOUR ROAD	1	4.28	ASPHALT	95	95
0501AZZ	ISLAND DRIVE WEST LOOP ROADS	1	2.54	ASPHALT	91	91
0501B	ISLAND DRIVE EAST LOOP	1	2.28	ASPHALT	81	81
0502	AFTERMATH ROAD	1	0.55	ASPHALT	95	95



COLO: 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)
0503ZZ	EAST TOUR ROADS	1	2.16	ASPHALT	96	96



Section 4

Park Route Location Maps

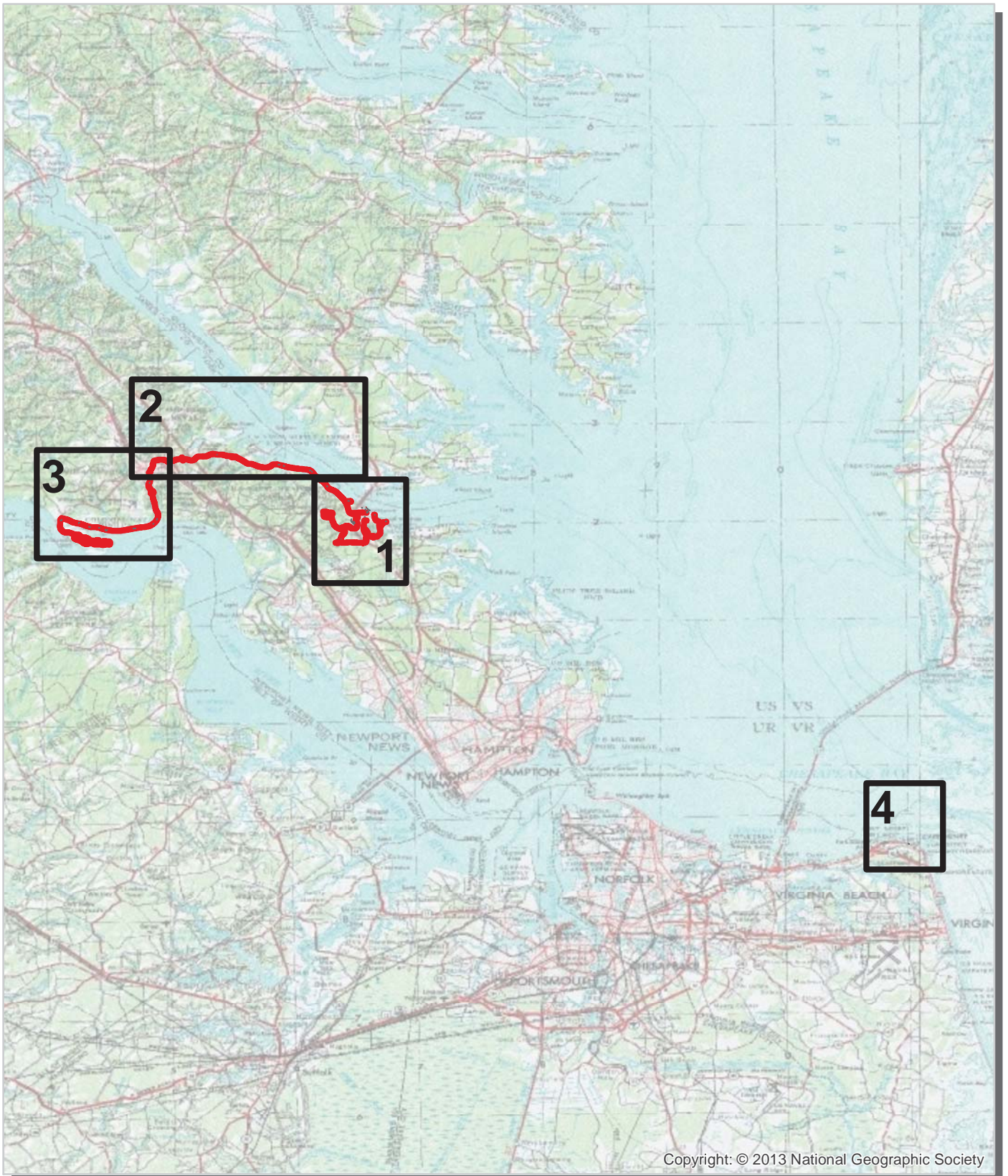


Colonial National Historical Park



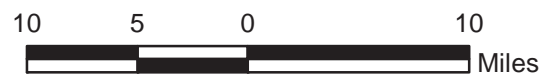
Federal Lands Highway
Road Inventory Program

Colonial National Historical Park Route Location Map Key Map

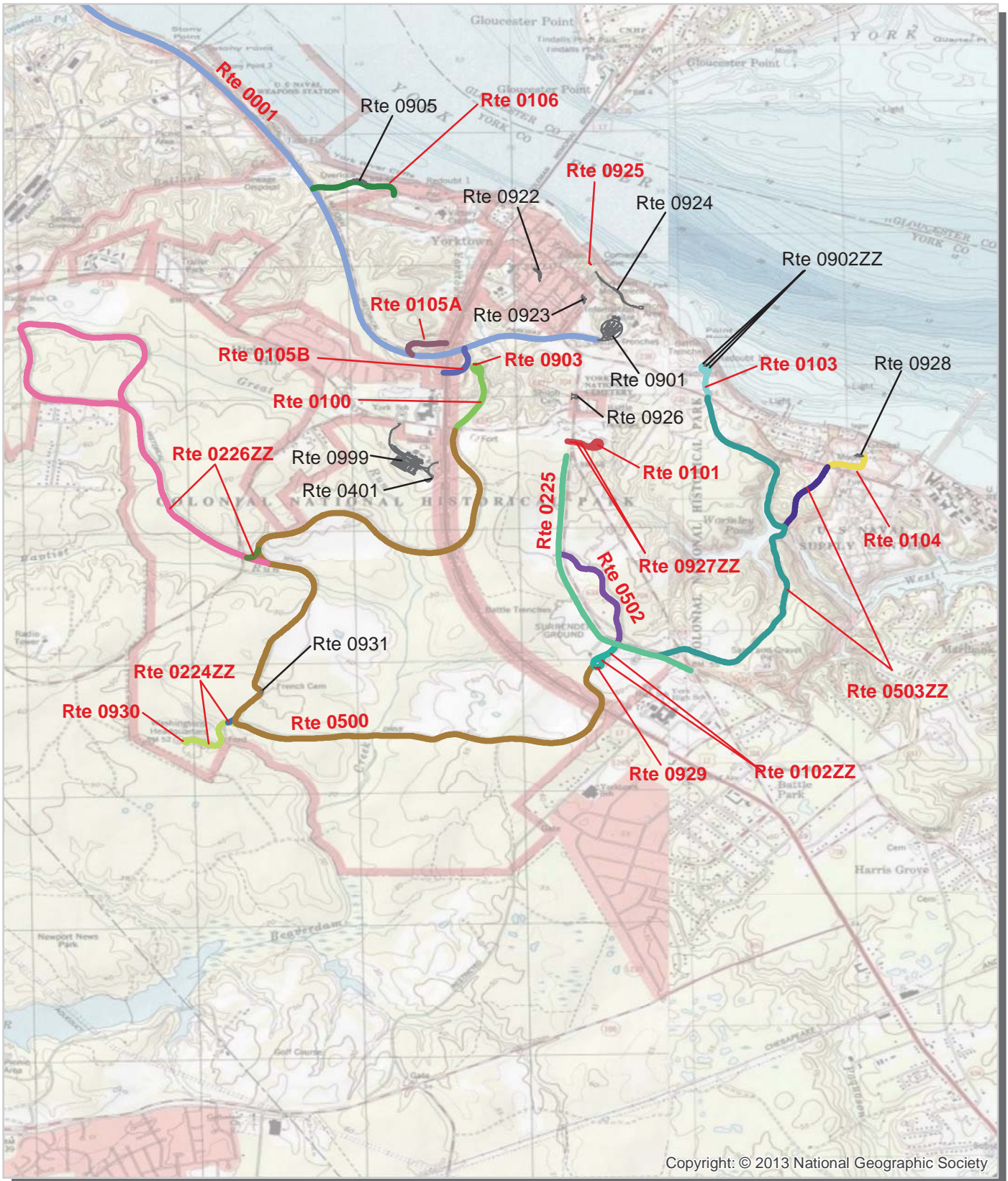


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-  Cycle 5 Collected Routes
-  Routes Collected in Previous Cycle

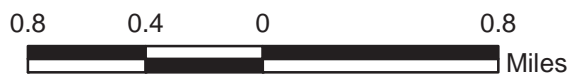


Colonial National Historical Park Route Location Map Area 1

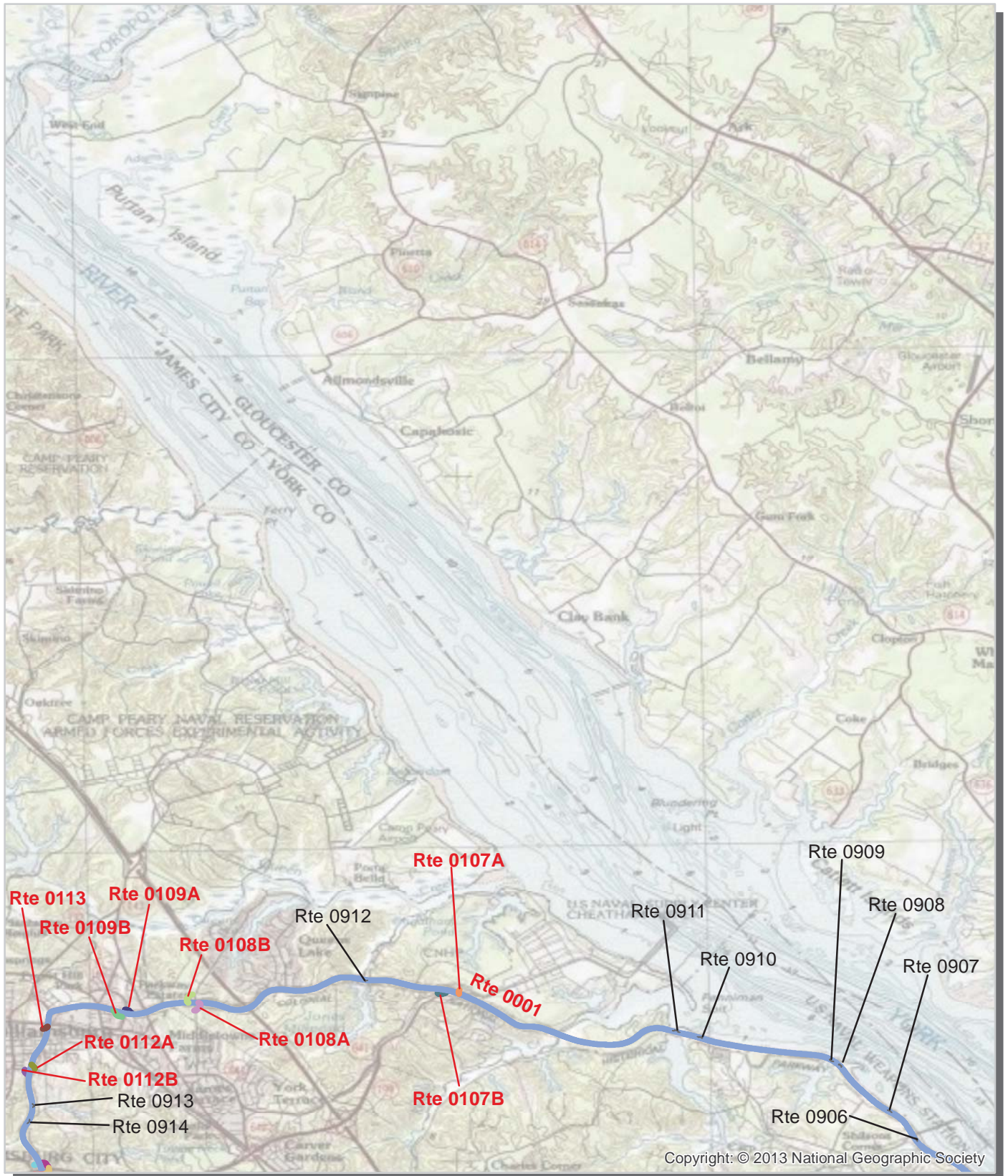


Unique colors used to differentiate routes

— Routes Collected in Previous Cycle

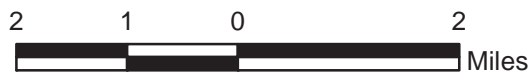


Colonial National Historical Park Route Location Map Area 2

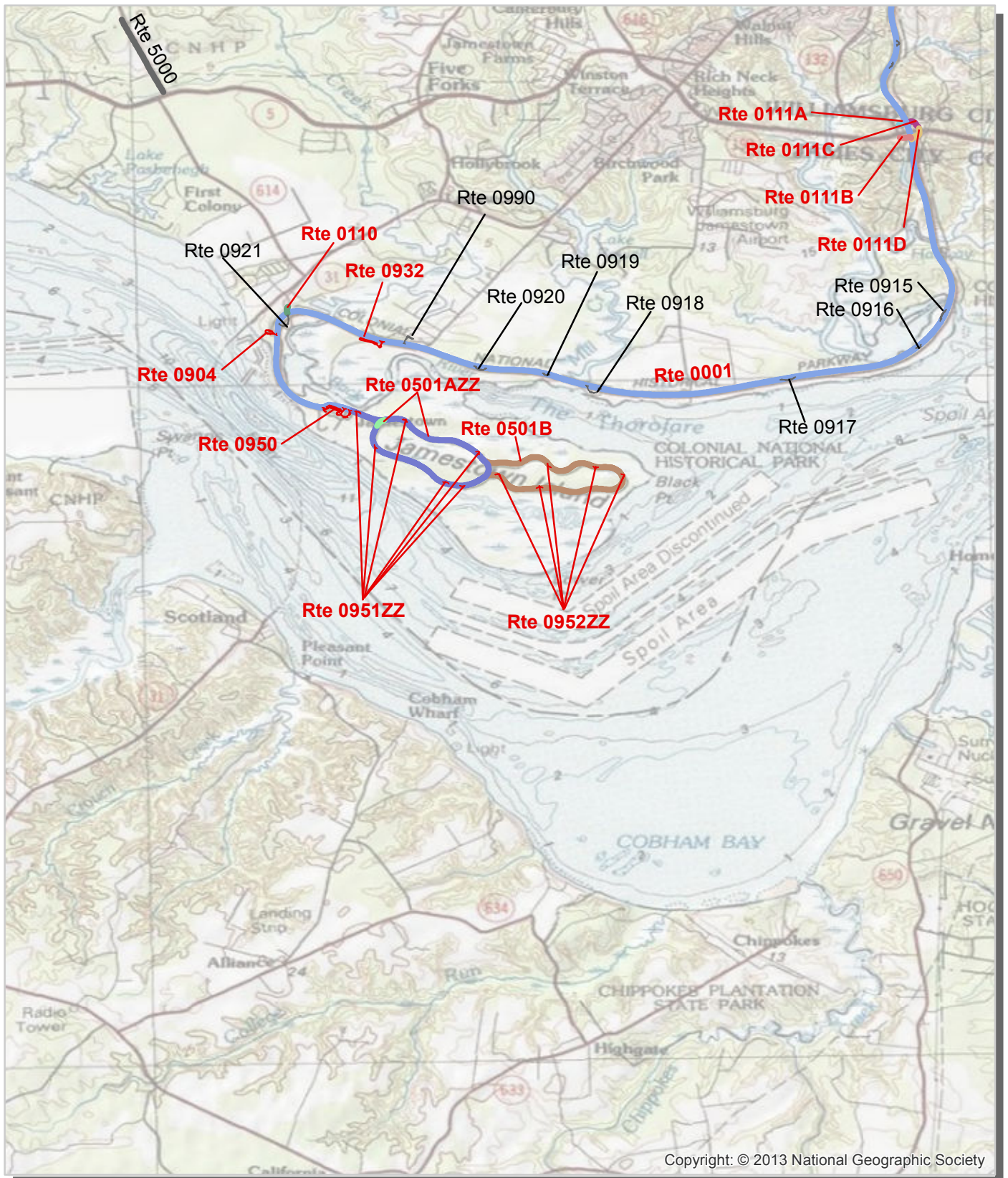


Unique colors used to differentiate routes

Routes Collected in Previous Cycle



Colonial National Historical Park Route Location Map Area 3



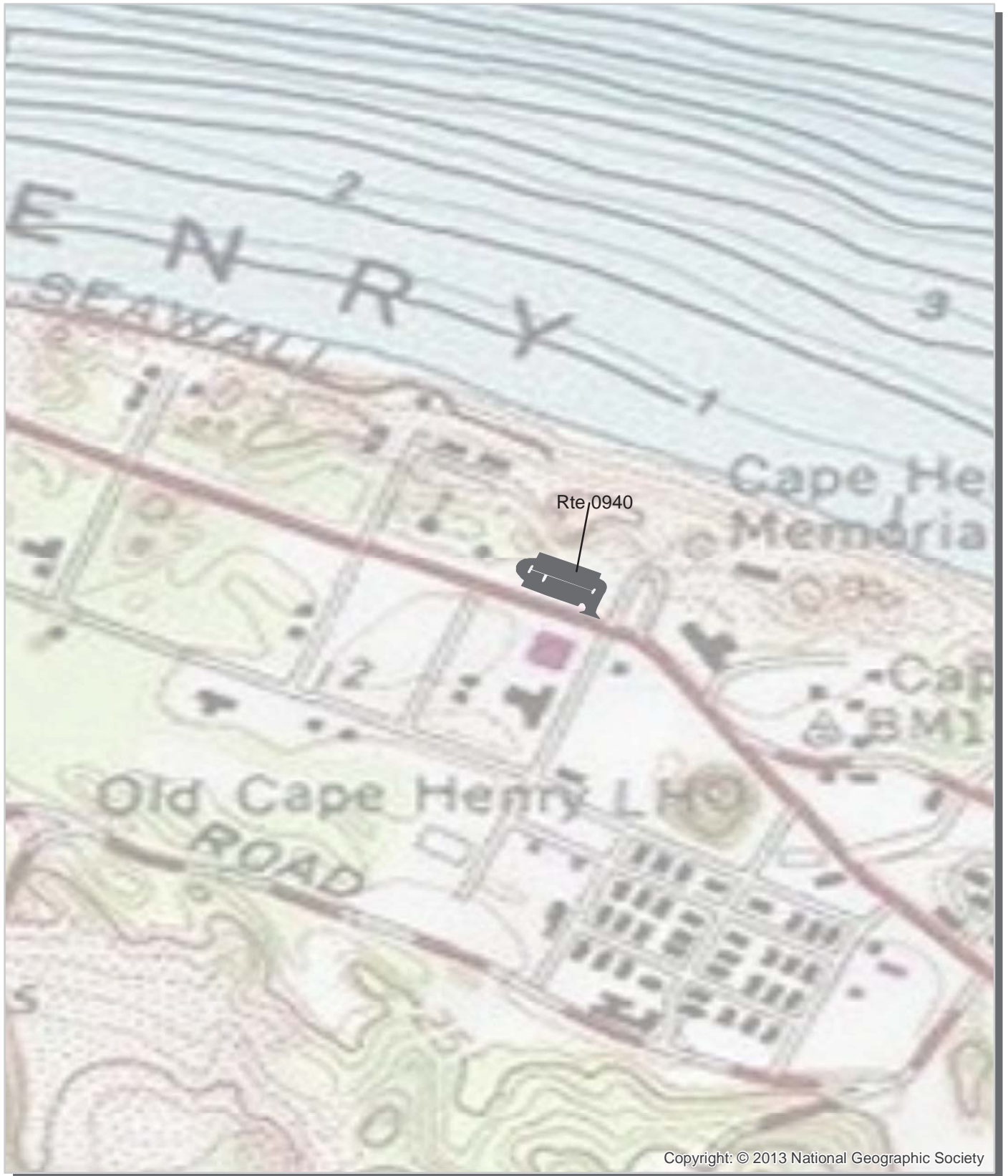
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Unique colors used to differentiate routes

Routes Collected in Previous Cycle

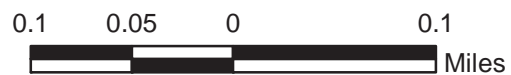


Colonial National Historical Park
Route Location Map
Area 4

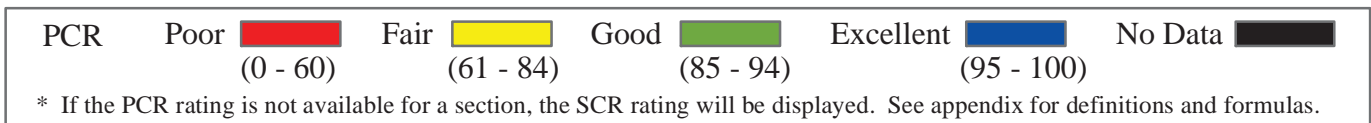
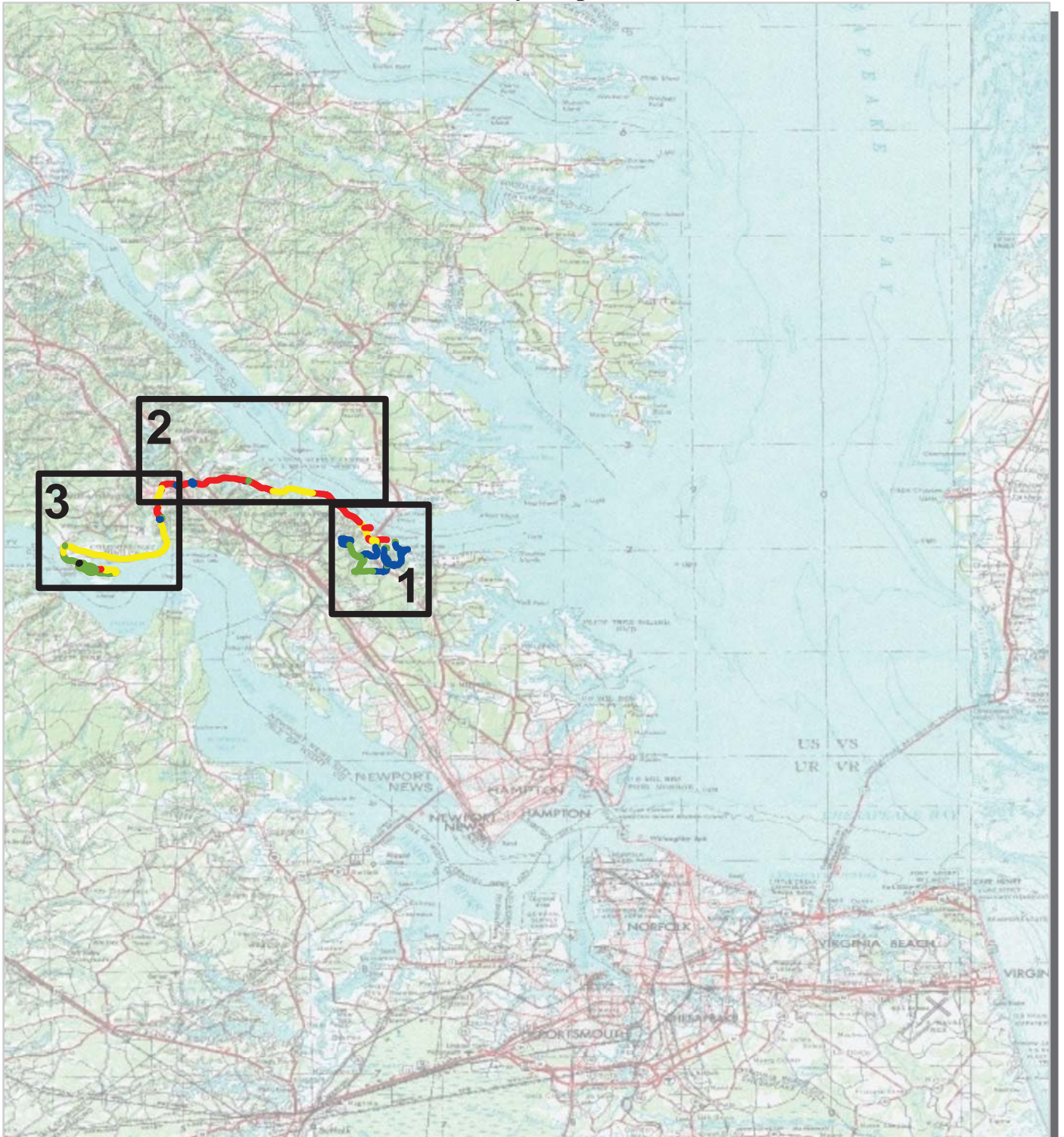


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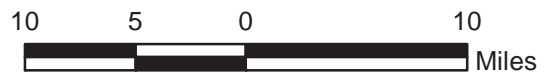
-  Cycle 5 Collected Routes
-  Routes Collected in Previous Cycle



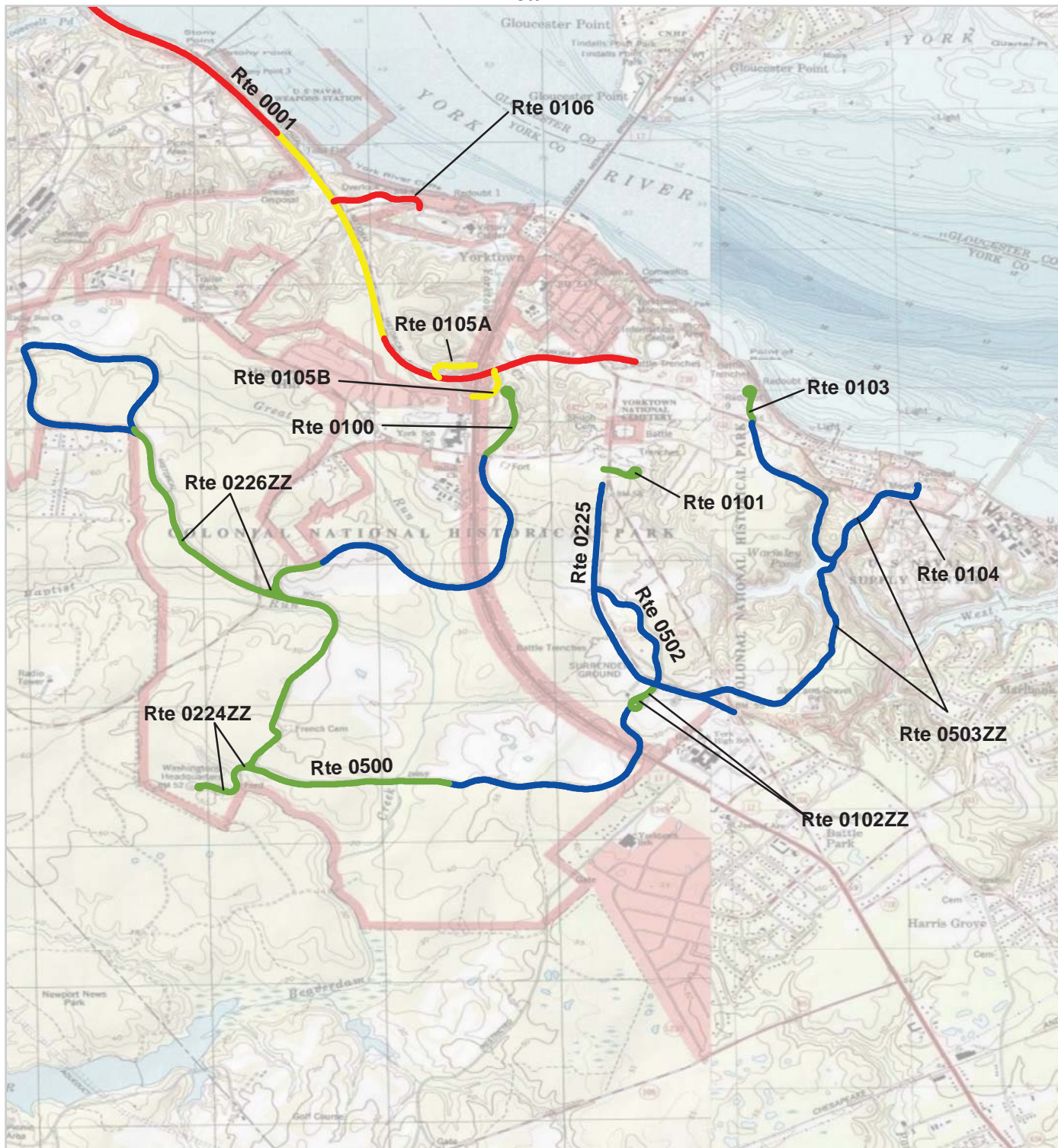
Colonial National Historical Park Route Condition Map PCR - Mile by Mile Key Map



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



Colonial National Historical Park Route Condition Map PCR - Mile by Mile Area 1



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.



Colonial National Historical Park Route Condition Map PCR - Mile by Mile Area 2

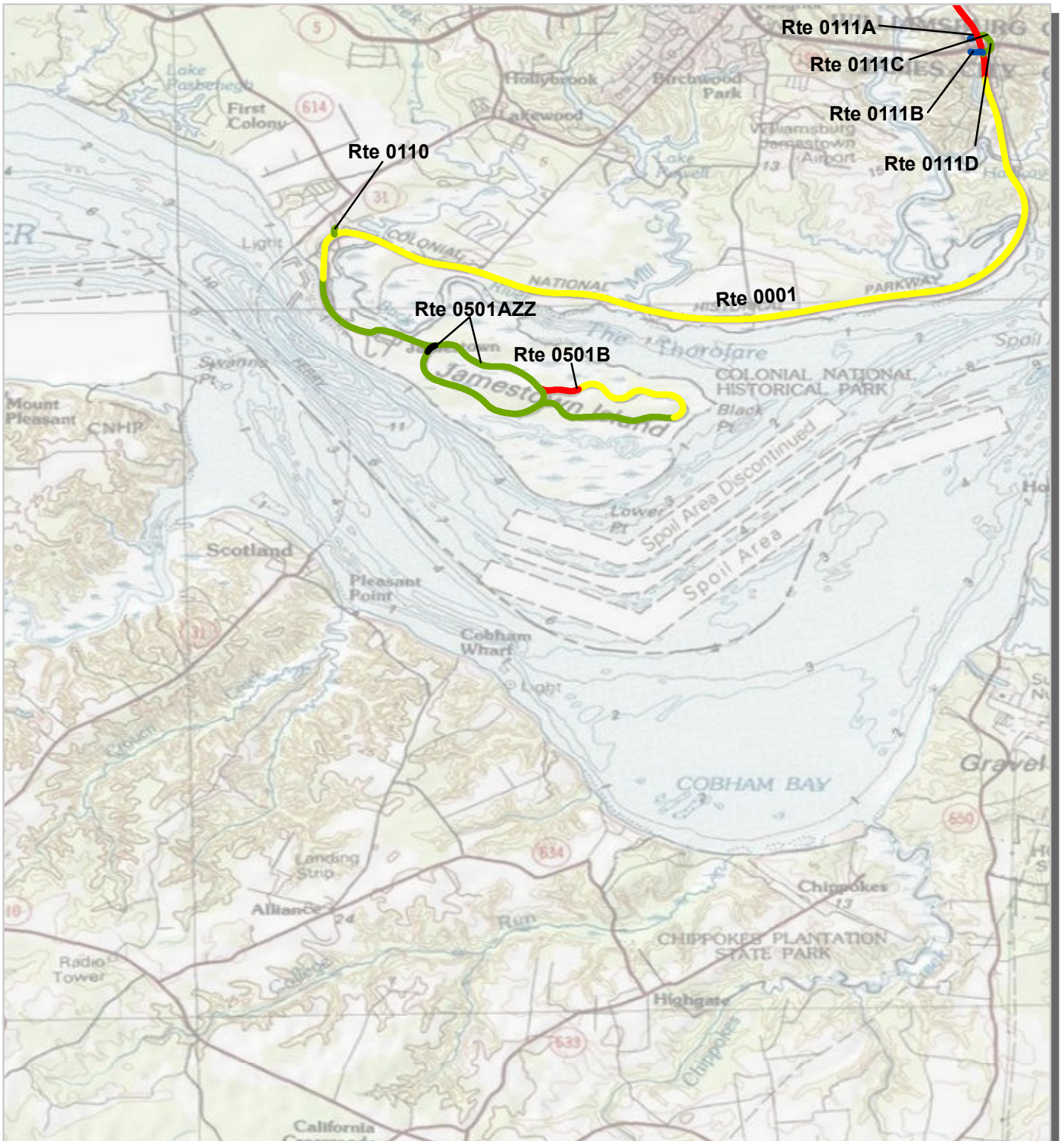


PCR	Poor	Fair	Good	Excellent	No Data
	(0 - 60)	(61 - 84)	(85 - 94)	(95 - 100)	

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



Colonial National Historical Park Route Condition Map PCR - Mile by Mile Area 3



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.



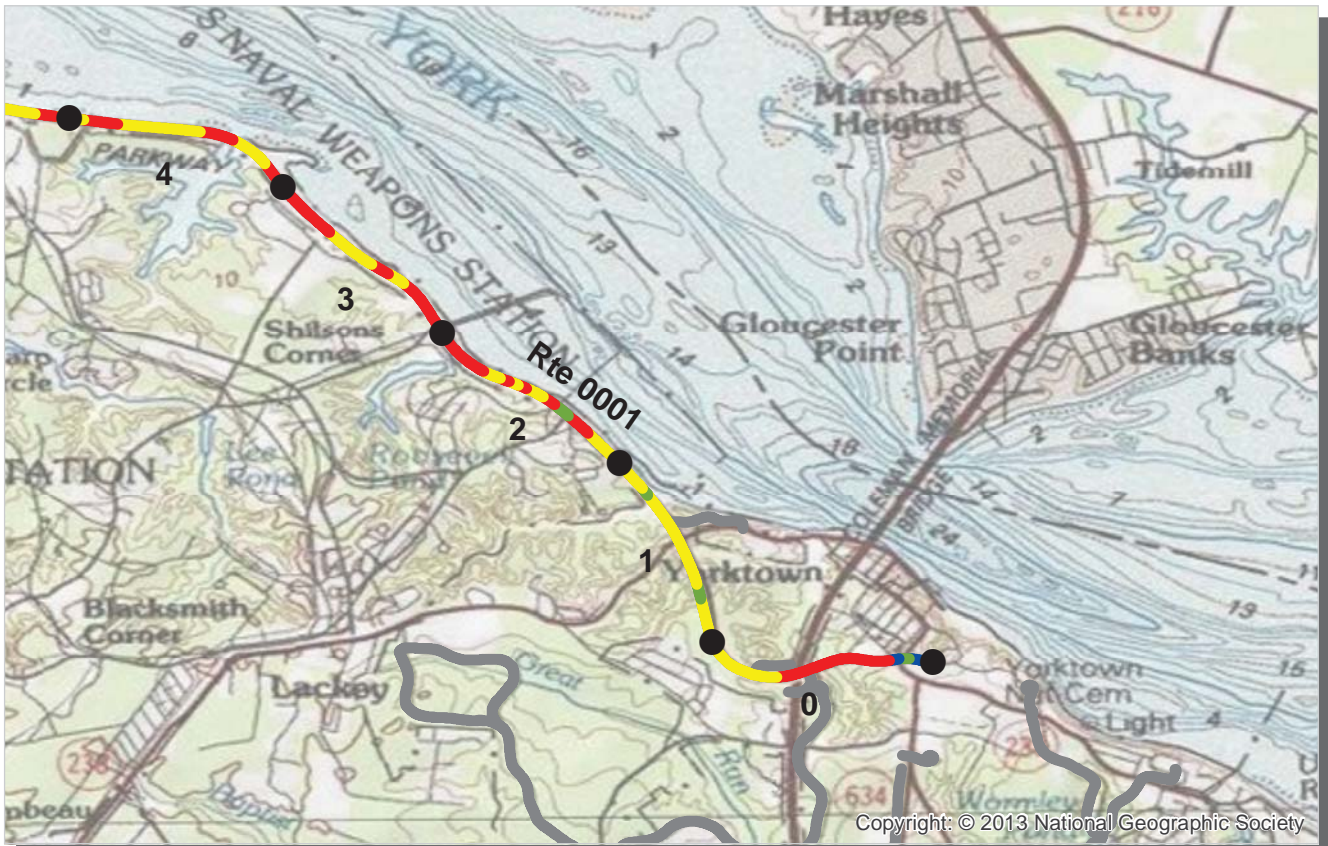
Section 5 Paved Route Condition Rating Sheets



Colonial National Historical Park



Federal Lands Highway
Road Inventory Program



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.

ROUTE: 0001 COLONIAL PARKWAY
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/19/2014
TOTAL LENGTH: 22.87 Miles

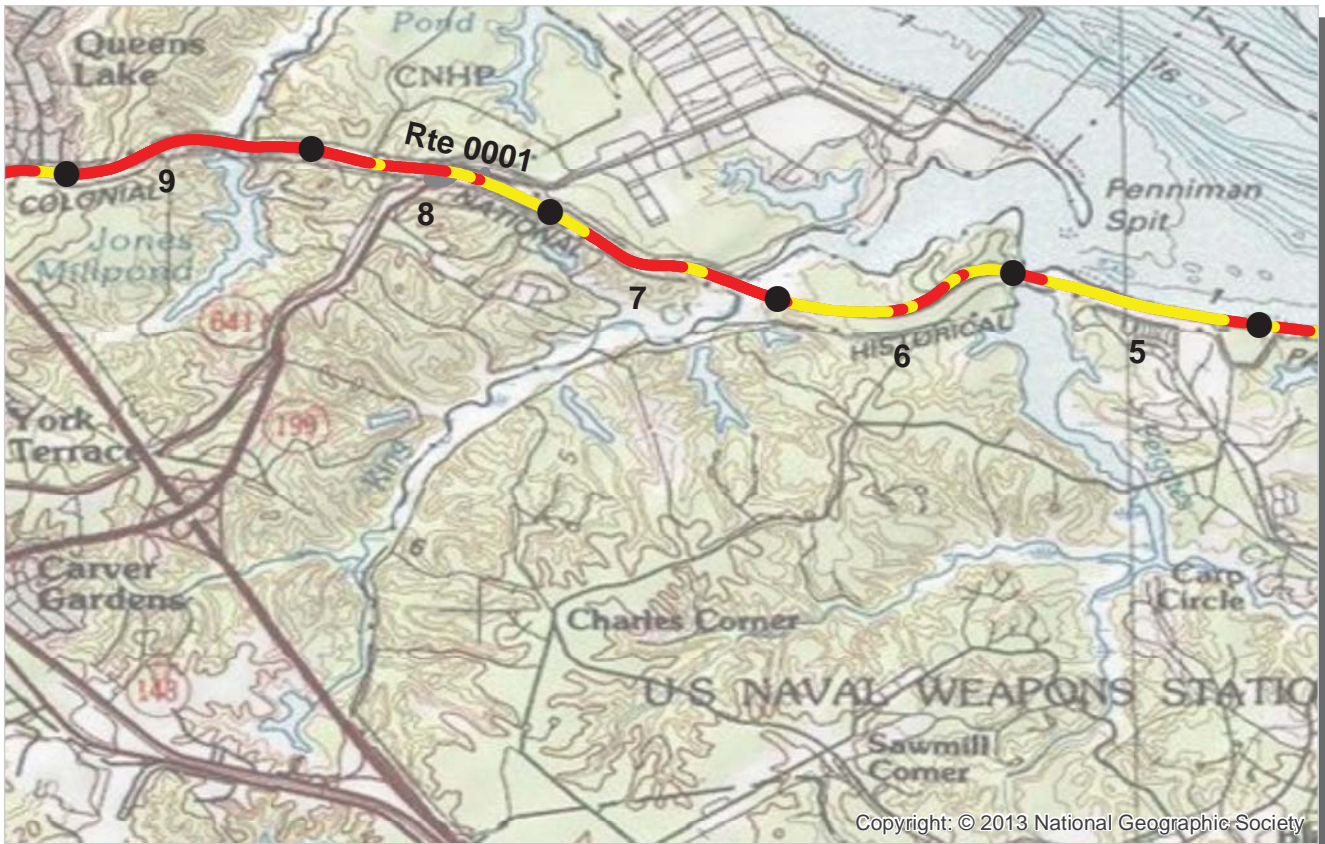
NORTHEAST REGION

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	24	29	30	30	29
Lane Width (ft)	12	14	15	15	14
Roadway Condition Information					
SCR (Surface Condition Rating)	NC	NC	NC	NC	NC
PCR (Pavement Condition Rating)	39	76	54	40	56
Distress Index Values					
Structural Crack Index	NC	NC	NC	NC	NC
Transverse Cracking Index	NC	NC	NC	NC	NC
Patching Index	NC	NC	NC	NC	NC
Rutting Index	NC	NC	NC	NC	NC
Roughness Condition Index (RCI)	39	76	54	40	56

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



ROUTE: 0001 COLONIAL PARKWAY



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.

ROUTE: 0001 COLONIAL PARKWAY
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/19/2014
TOTAL LENGTH: 22.87 Miles

NORTHEAST REGION

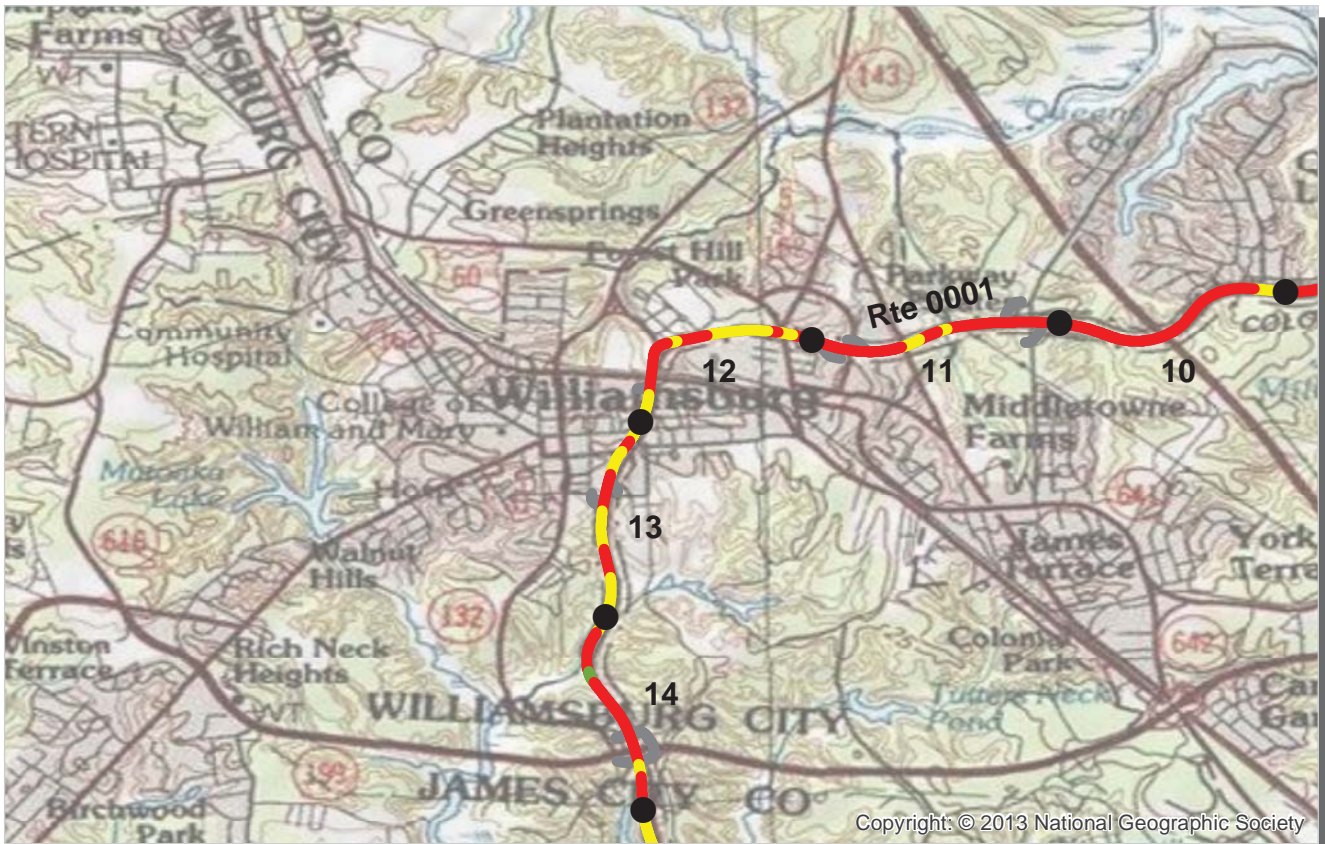
<i>Section Number</i>	5	6	7	8	9
<i>Section Length (mi)</i>	1.00	1.00	1.00	1.00	1.00
<i>Cross Section Information</i>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	29	29	31	31	29
Lane Width (ft)	15	14	15	15	14
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	NC	NC	NC	NC	NC
PCR (Pavement Condition Rating)	61	64	55	49	36
<i>Distress Index Values</i>					
Structural Crack Index	NC	NC	NC	NC	NC
Transverse Cracking Index	NC	NC	NC	NC	NC
Patching Index	NC	NC	NC	NC	NC
Rutting Index	NC	NC	NC	NC	NC
Roughness Condition Index (RCI)	61	64	55	49	36

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

ROUTE: 0001 COLONIAL PARKWAY



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.

ROUTE: 0001 COLONIAL PARKWAY
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/19/2014
TOTAL LENGTH: 22.87 Miles

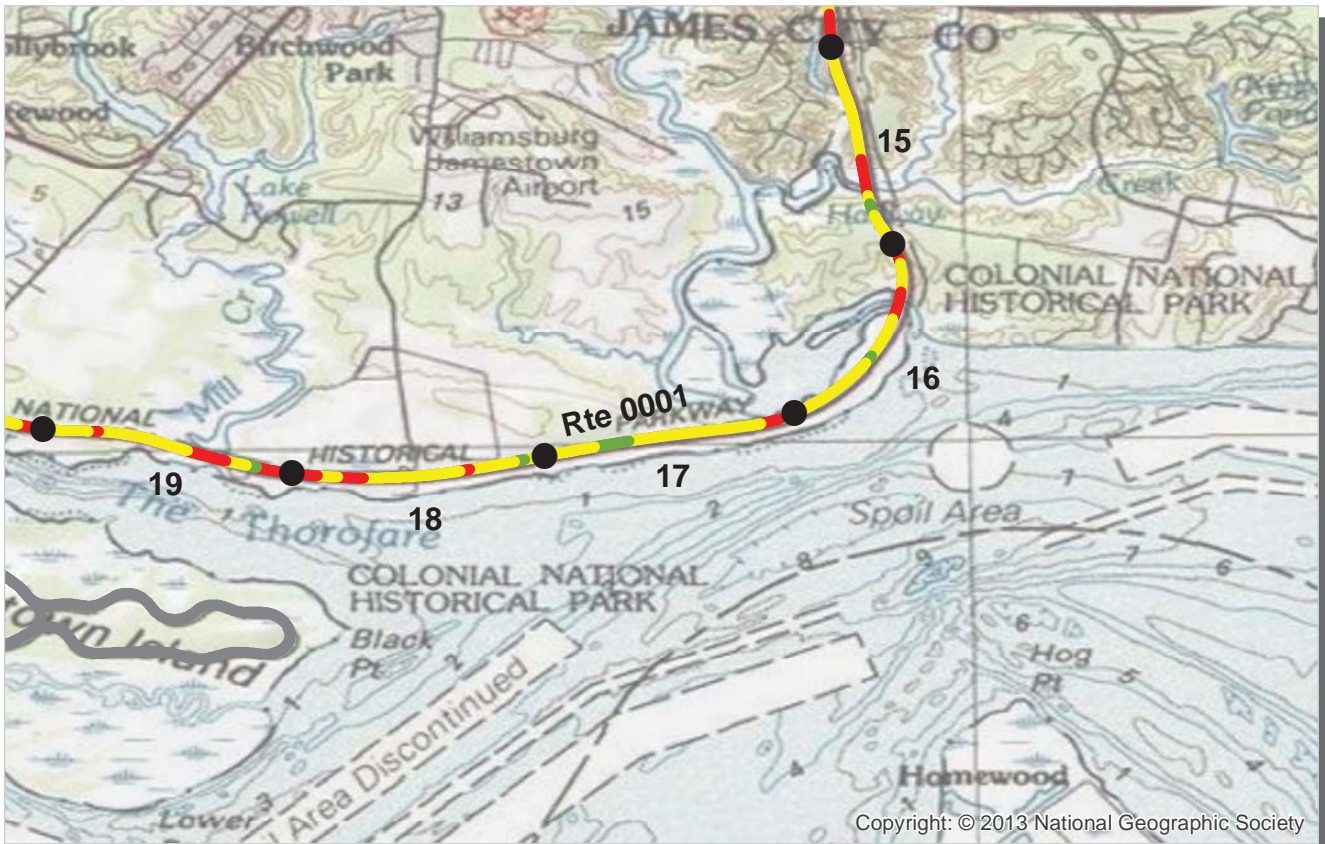
NORTHEAST REGION

Section Number	10	11	12	13	14
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	29	30	28	26	29
Lane Width (ft)	15	15	14	13	15
Roadway Condition Information					
SCR (Surface Condition Rating)	NC	NC	NC	NC	NC
PCR (Pavement Condition Rating)	44	35	53	61	47
Distress Index Values					
Structural Crack Index	NC	NC	NC	NC	NC
Transverse Cracking Index	NC	NC	NC	NC	NC
Patching Index	NC	NC	NC	NC	NC
Rutting Index	NC	NC	NC	NC	NC
Roughness Condition Index (RCI)	44	35	53	61	47

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



ROUTE: 0001 COLONIAL PARKWAY



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.

ROUTE: 0001 COLONIAL PARKWAY
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/19/2014
TOTAL LENGTH: 22.87 Miles

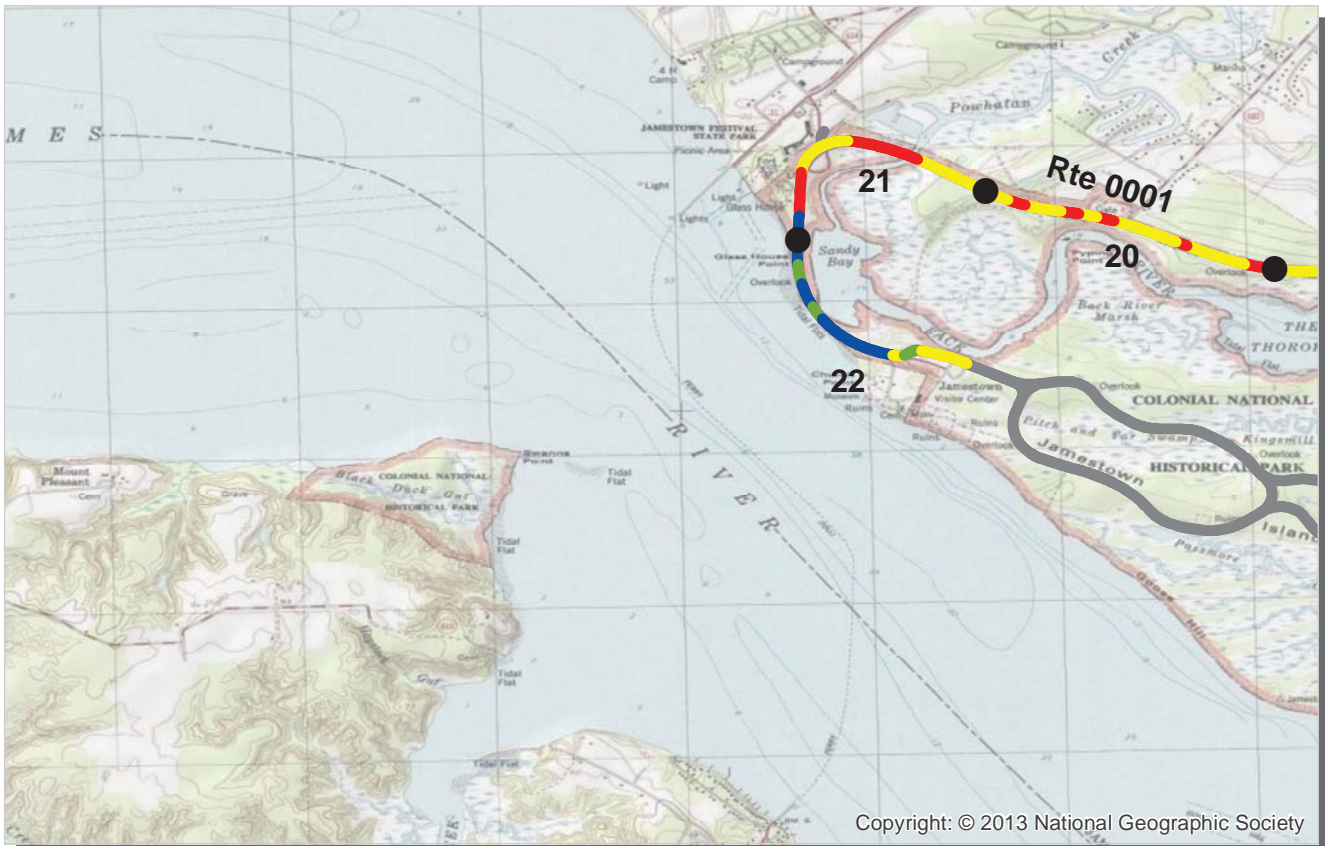
NORTHEAST REGION

<i>Section Number</i>	15	16	17	18	19
<i>Section Length (mi)</i>	1.00	1.00	1.00	1.00	1.00
<i>Cross Section Information</i>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	29	31	29	29	30
Lane Width (ft)	15	15	14	15	15
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	NC	NC	NC	NC	NC
PCR (Pavement Condition Rating)	61	67	77	69	65
<i>Distress Index Values</i>					
Structural Crack Index	NC	NC	NC	NC	NC
Transverse Cracking Index	NC	NC	NC	NC	NC
Patching Index	NC	NC	NC	NC	NC
Rutting Index	NC	NC	NC	NC	NC
Roughness Condition Index (RCI)	61	67	77	69	65

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



ROUTE: 0001 COLONIAL PARKWAY



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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.

ROUTE: 0001 COLONIAL PARKWAY
COLO : COLONIAL NATIONAL HISTORICAL PARK

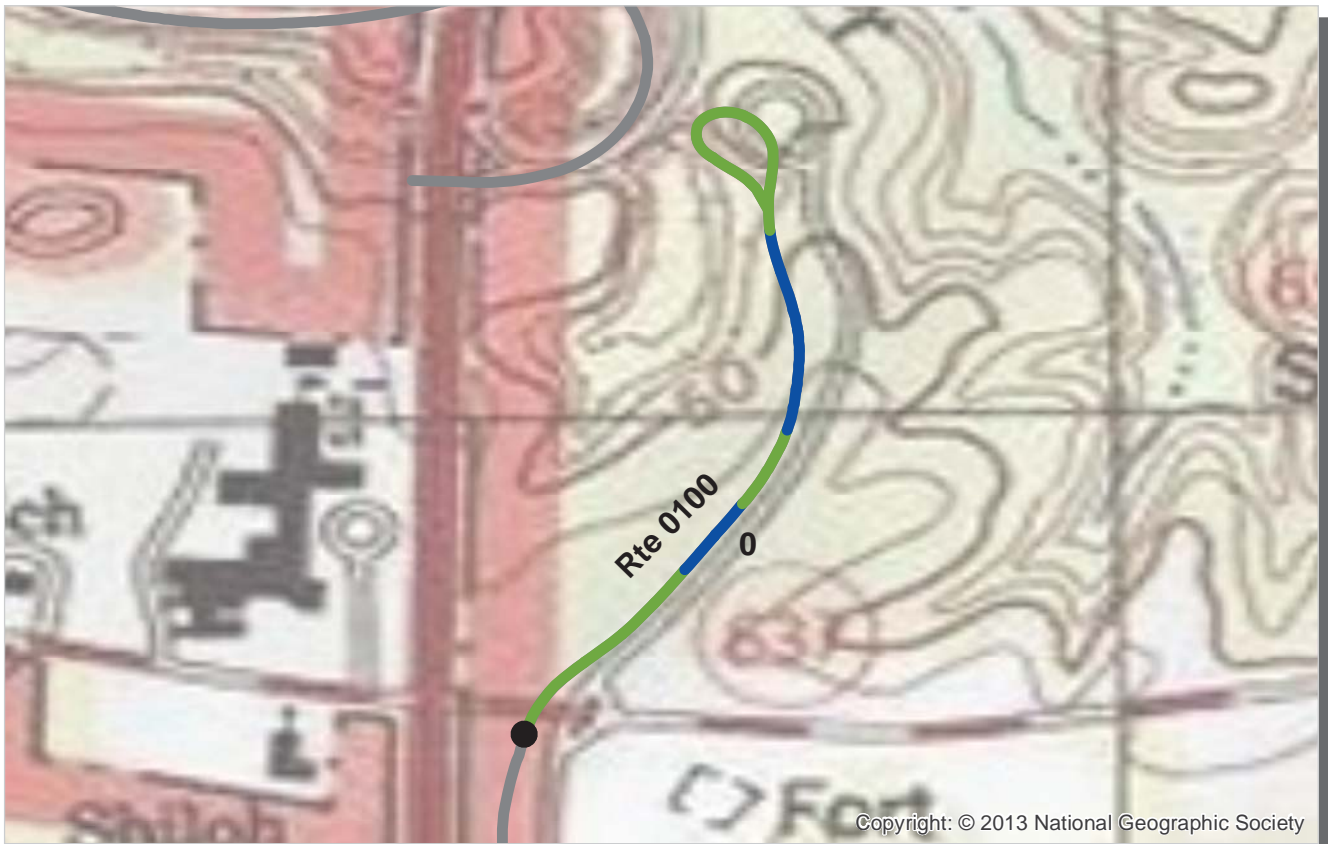
COLLECTED: 1/19/2014
TOTAL LENGTH: 22.87 Miles

NORTHEAST REGION

<i>Section Number</i>	20	21	22		
<i>Section Length (mi)</i>	1.00	1.00	0.87		
<i>Cross Section Information</i>					
Number of Lanes	2	2	2		
Paved Width (ft)	27	27	22		
Lane Width (ft)	13	13	11		
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	NC	NC	95		
PCR (Pavement Condition Rating)	68	63	91		
<i>Distress Index Values</i>					
Structural Crack Index	NC	NC	99		
Transverse Cracking Index	NC	NC	100		
Patching Index	NC	NC	95		
Rutting Index	NC	NC	96		
Roughness Condition Index (RCI)	68	63	86		

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

ROUTE: 0001 COLONIAL PARKWAY



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.

ROUTE: 0100 UNTOUCHED REDOUBT ROAD
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/19/2014
TOTAL LENGTH: 0.41 Miles

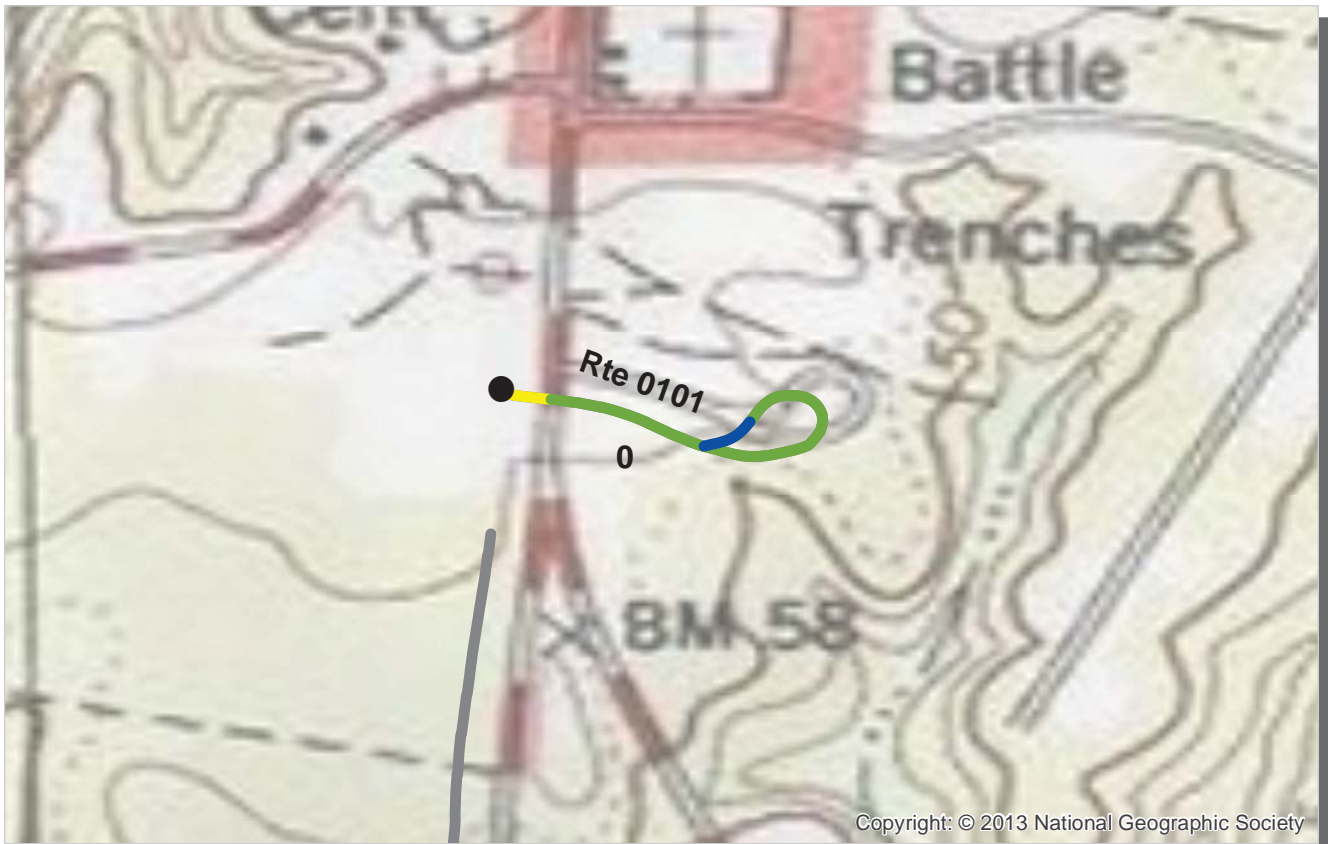
NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.41				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Roadway Condition Information					
SCR (Surface Condition Rating)	92				
PCR (Pavement Condition Rating)	92				
Distress Index Values					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	92				
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



ROUTE: 0100 UNTOUCHED REDOUBT ROAD



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.

ROUTE: 0101 GRAND FRENCH BATTERY ROAD
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/19/2014
TOTAL LENGTH: 0.20 Miles

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.20				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Roadway Condition Information					
SCR (Surface Condition Rating)	92				
PCR (Pavement Condition Rating)	92				
Distress Index Values					
Structural Crack Index	93				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	92				
Roughness Condition Index (RCI)	NC				

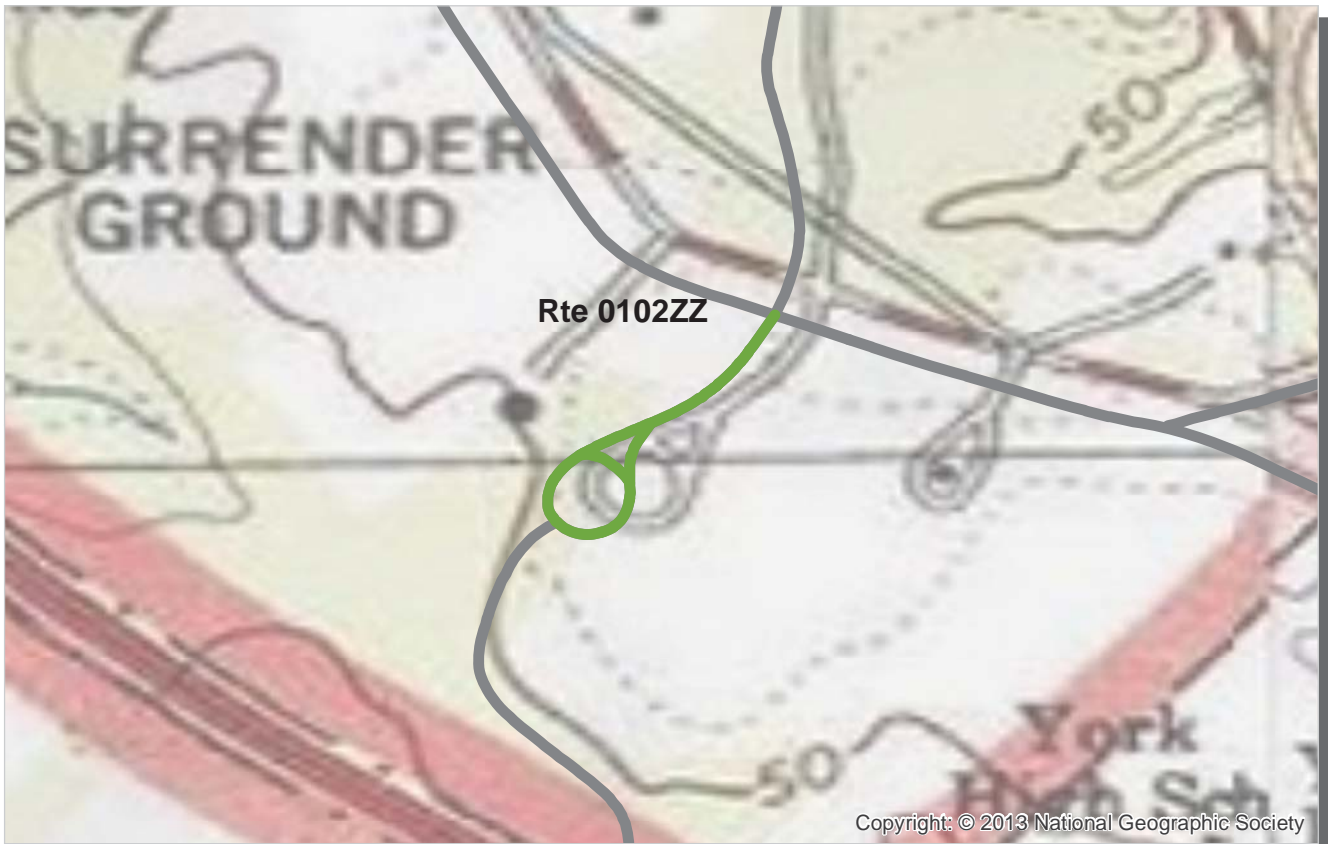
NOTES:

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



ROUTE: 0101 GRAND FRENCH BATTERY ROAD



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.

ROUTE: 0102ZZ SURRENDER FIELD ROADS
COLO : COLONIAL NATIONAL HISTORICAL PARK

Summary Record COLLECTED: 1/19/2014
 NORTHEAST REGION TOTAL LENGTH: 0.24 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)	92				
PCR (Pavement Condition Rating)	92				
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



ROUTE: 0102ZZ SURRENDER FIELD ROADS



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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.

ROUTE: 0102BZ SURRENDER FIELD SPUR ROAD
COLO : COLONIAL NATIONAL HISTORICAL PARK

Subcomponent Record
NORTHEAST REGION

COLLECTED: 1/19/2014
TOTAL LENGTH: 0.03 Miles

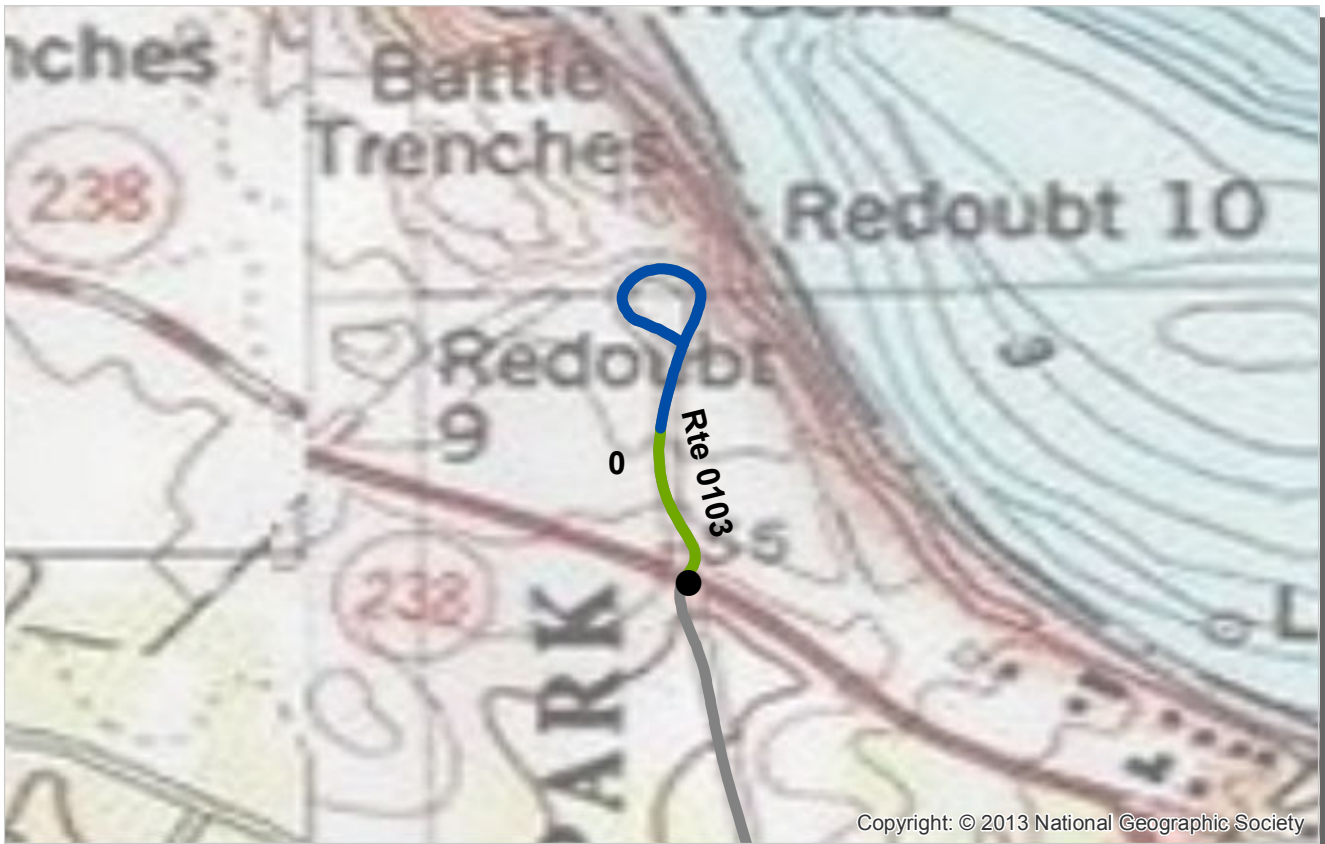
Section Number	0				
Section Length (mi)	0.03				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	15				
Lane Width (ft)	15				
Roadway Condition Information					
SCR (Surface Condition Rating)	93				
PCR (Pavement Condition Rating)	93				
Distress Index Values					
Structural Crack 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

ROUTE: 0102BZ SURRENDER FIELD SPUR ROAD



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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.

ROUTE: 0103 REDOUBT ACCESS ROAD
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/16/2014
TOTAL LENGTH: 0.22 Miles

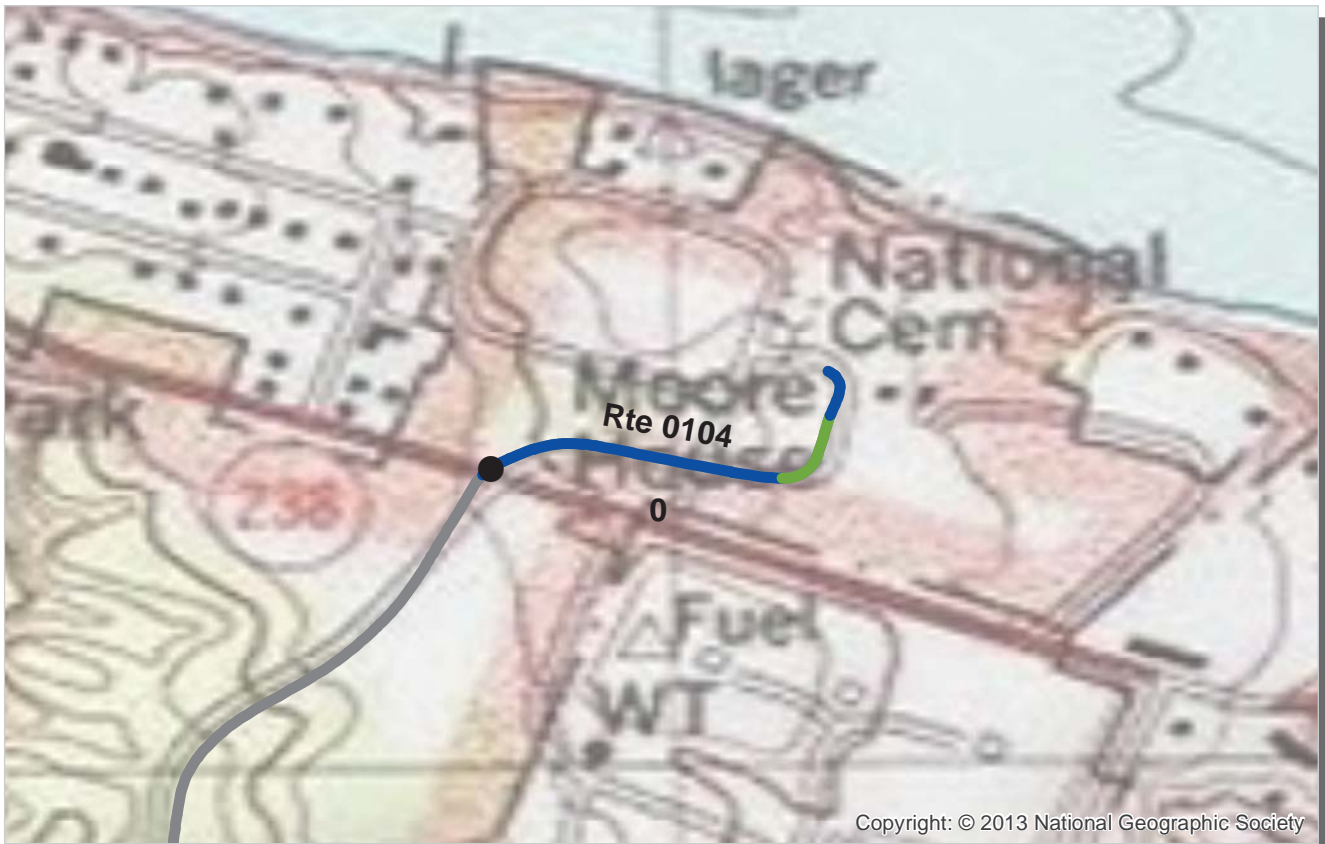
NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.22				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	13				
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



ROUTE: 0103 REDOUBT ACCESS ROAD



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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.

ROUTE: 0104 MOORE HOUSE ACCESS ROAD
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/16/2014
TOTAL LENGTH: 0.18 Miles

NORTHEAST REGION

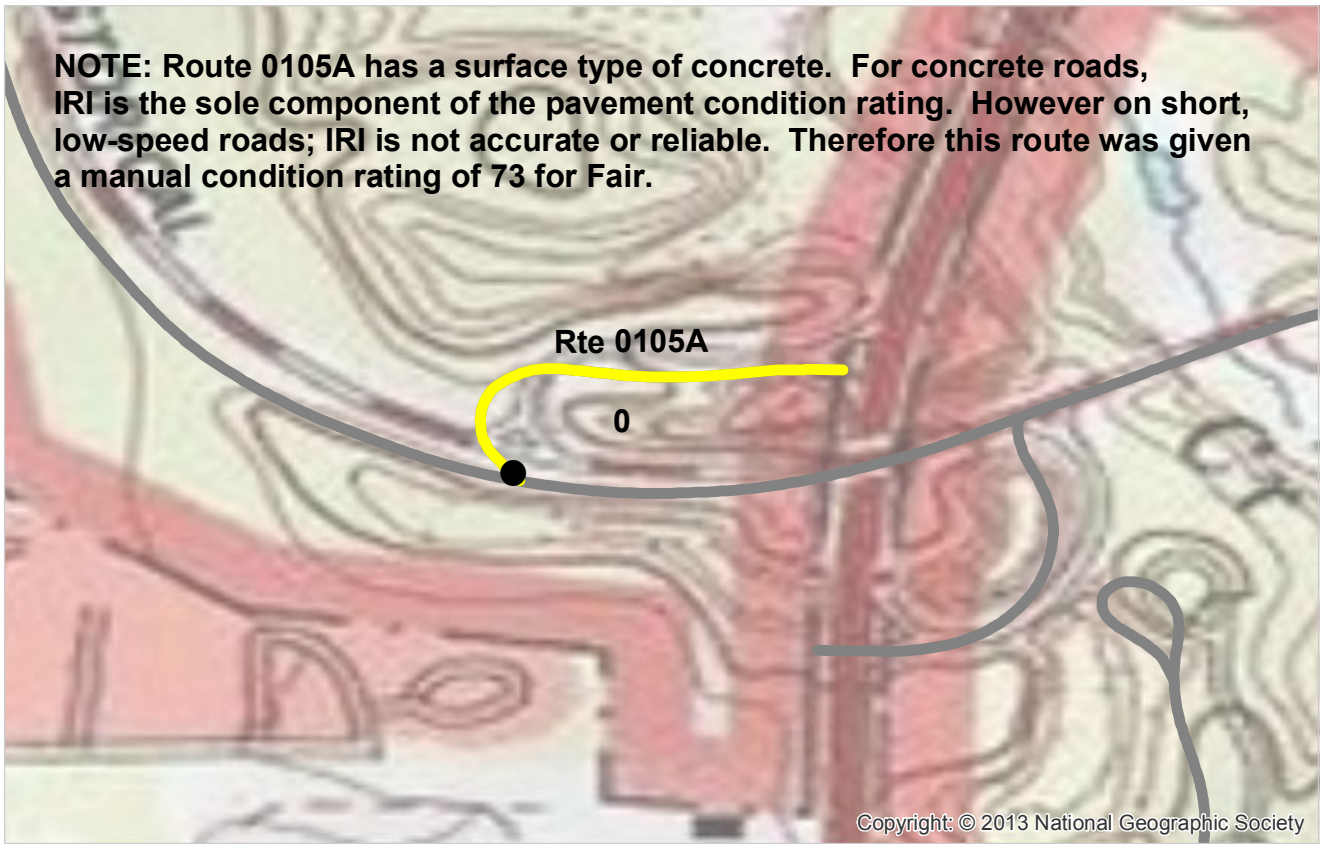
Section Number	0				
Section Length (mi)	0.18				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
Roadway Condition Information					
SCR (Surface Condition Rating)	95				
PCR (Pavement Condition Rating)	95				
Distress Index Values					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	95				
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



ROUTE: 0104 MOORE HOUSE ACCESS ROAD

NOTE: Route 0105A has a surface type of concrete. For concrete roads, IRI is the sole component of the pavement condition rating. However on short, low-speed roads; IRI is not accurate or reliable. Therefore this route was given a manual condition rating of 73 for Fair.



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.

**ROUTE: 0105A US ROUTE 17 ACCESS ROAD A
 COLO : COLONIAL NATIONAL HISTORICAL PARK**

**COLLECTED: 1/16/2014
 TOTAL LENGTH: 0.18 Miles**

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.18				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	28				
Lane Width (ft)	15				
Roadway Condition Information					
SCR (Surface Condition Rating)	NC				
PCR (Pavement Condition Rating)	73				
Distress Index Values					
Structural Crack Index	NC				
Transverse Cracking Index	NC				
Patching Index	NC				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

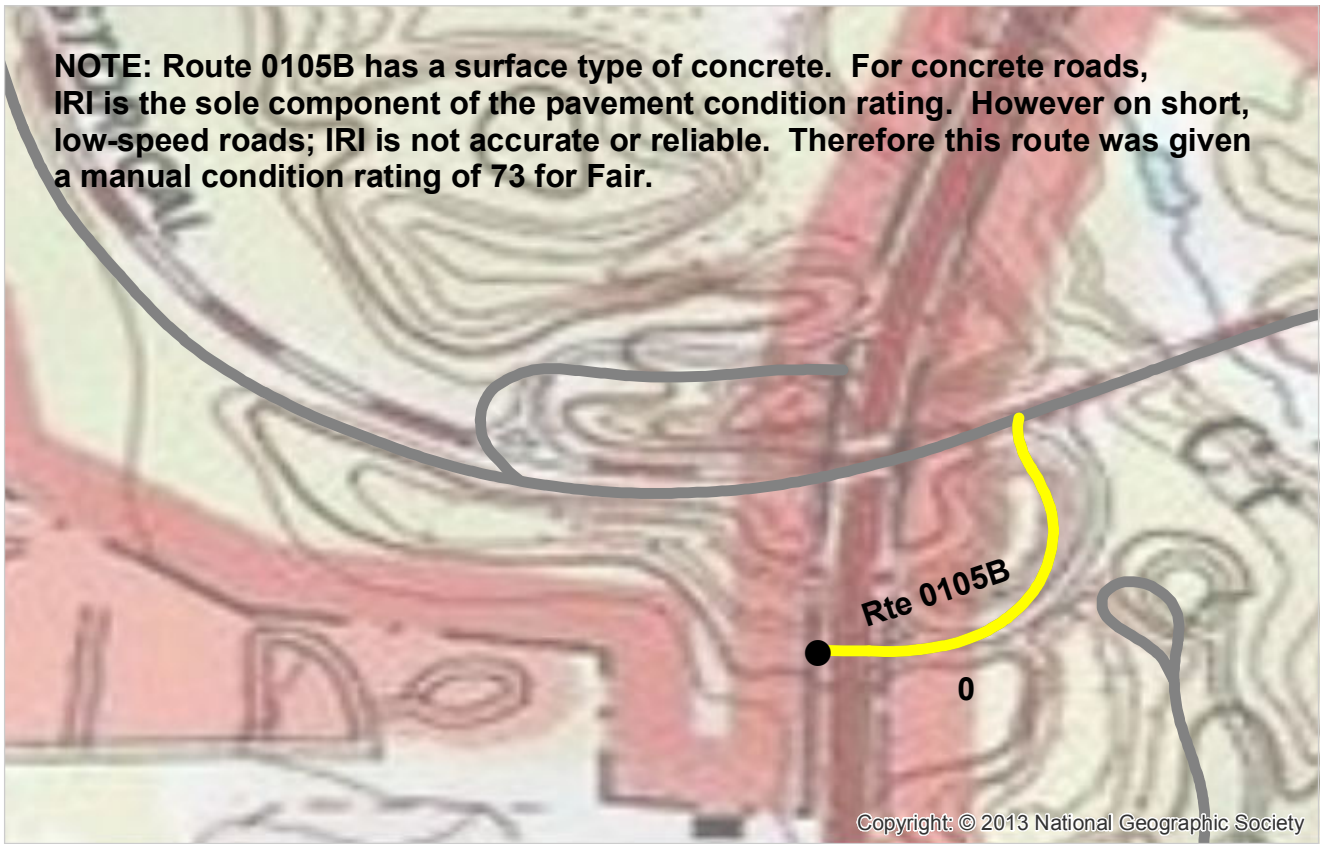
NOTES:

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

ROUTE: 0105A US ROUTE 17 ACCESS ROAD A

NOTE: Route 0105B has a surface type of concrete. For concrete roads, IRI is the sole component of the pavement condition rating. However on short, low-speed roads; IRI is not accurate or reliable. Therefore this route was given a manual condition rating of 73 for Fair.



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.

**ROUTE: 0105B US ROUTE 17 ACCESS ROAD B
 COLO : COLONIAL NATIONAL HISTORICAL PARK**

**COLLECTED: 1/16/2014
 TOTAL LENGTH: 0.18 Miles**

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.18				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	26				
Lane Width (ft)	12				
Roadway Condition Information					
SCR (Surface Condition Rating)	NC				
PCR (Pavement Condition Rating)	73				
Distress Index Values					
Structural Crack Index	NC				
Transverse Cracking Index	NC				
Patching Index	NC				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

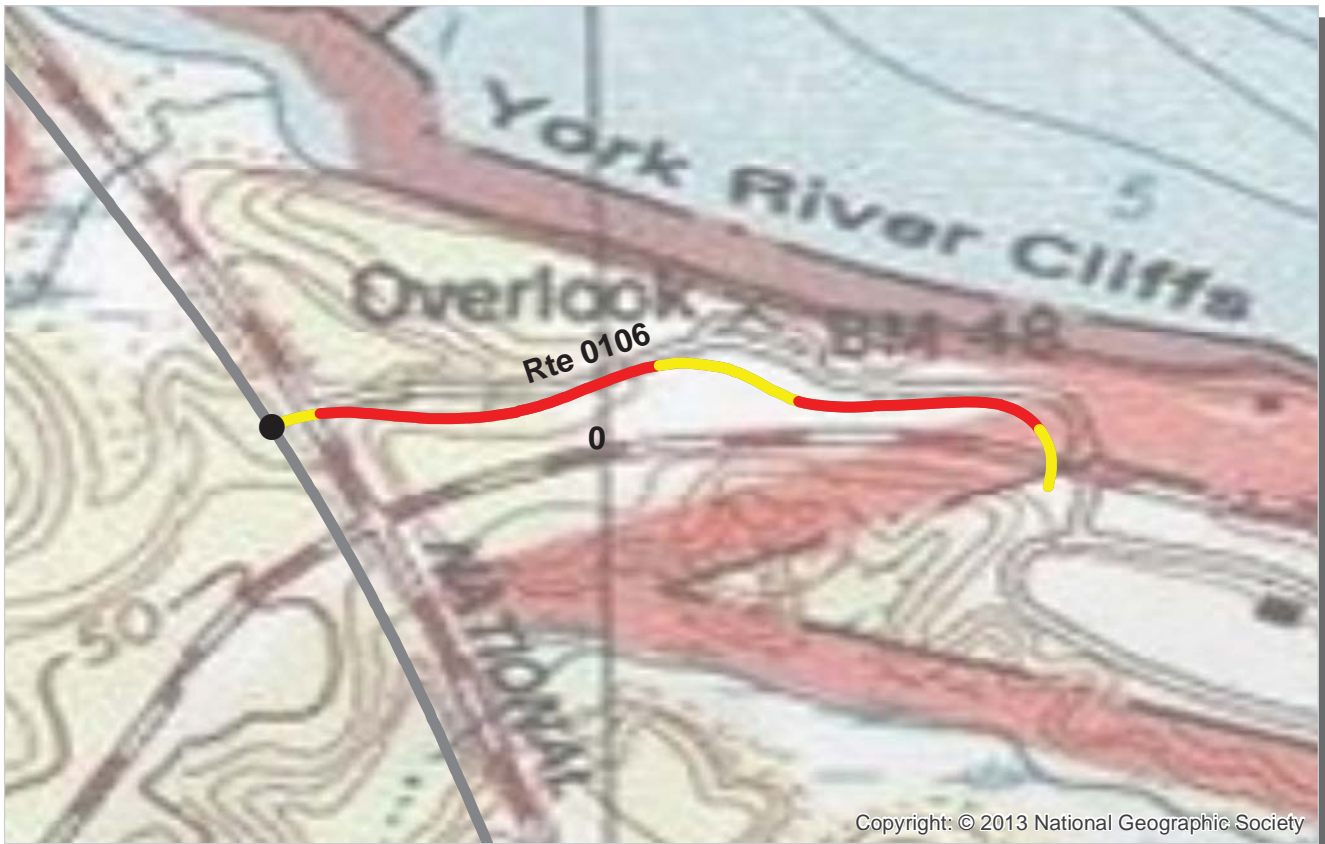
NOTES:

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



ROUTE: 0105B US ROUTE 17 ACCESS ROAD B



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.

ROUTE: 0106 FUSILIER'S ROAD
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/18/2014
TOTAL LENGTH: 0.35 Miles

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.35				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Roadway Condition Information					
SCR (Surface Condition Rating)	26				
PCR (Pavement Condition Rating)	26				
Distress Index Values					
Structural Crack Index	54				
Transverse Cracking Index	26				
Patching Index	100				
Rutting Index	92				
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



ROUTE: 0106 FUSILIER'S ROAD



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.

ROUTE: 0107A CHEATHAM ANNEX ACCESS ROAD A
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/16/2014
TOTAL LENGTH: 0.04 Miles

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.04				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	36				
Lane Width (ft)	19				
Roadway Condition Information					
SCR (Surface Condition Rating)	93				
PCR (Pavement Condition Rating)	93				
Distress Index Values					
Structural Crack Index	93				
Transverse Cracking Index	98				
Patching Index	100				
Rutting Index	98				
Roughness Condition Index (RCI)	NC				

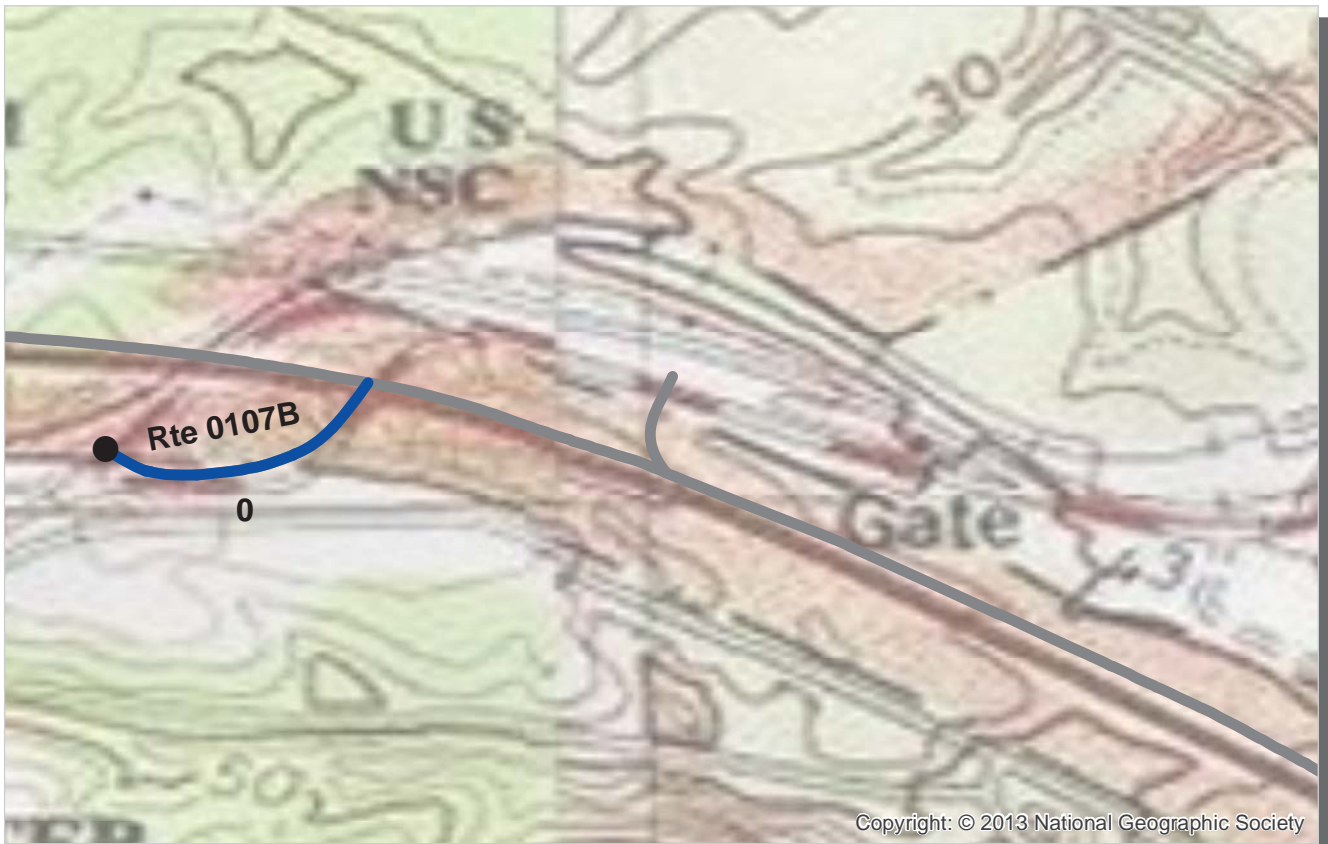
NOTES:

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



ROUTE: 0107A CHEATHAM ANNEX ACCESS ROAD A



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.

ROUTE: 0107B CHEATHAM ANNEX ACCESS ROAD B
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/16/2014
TOTAL LENGTH: 0.12 Miles

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.12				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	26				
Lane Width (ft)	13				
Roadway Condition Information					
SCR (Surface Condition Rating)	99				
PCR (Pavement Condition Rating)	99				
Distress Index Values					
Structural Crack Index	99				
Transverse Cracking Index	100				
Patching Index	99				
Rutting Index	100				
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



ROUTE: 0107B CHEATHAM ANNEX ACCESS ROAD B



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.

ROUTE: 0108A QUEENS LAKE ACCESS A
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/13/2014
TOTAL LENGTH: 0.14 Miles

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.14				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	12				
Roadway Condition Information					
SCR (Surface Condition Rating)	99				
PCR (Pavement Condition Rating)	99				
Distress Index Values					
Structural Crack Index	99				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	99				
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

ROUTE: 0108A QUEENS LAKE ACCESS A



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.

ROUTE: 0108B QUEENS LAKE ACCESS B
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/16/2014
TOTAL LENGTH: 0.13 Miles

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.13				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	13				
Roadway Condition Information					
SCR (Surface Condition Rating)	99				
PCR (Pavement Condition Rating)	99				
Distress Index Values					
Structural Crack Index	100				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	100				
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

ROUTE: 0108B QUEENS LAKE ACCESS B



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.

**ROUTE: 0109A PARKWAY DRIVE ACCESS ROAD A
 COLO : COLONIAL NATIONAL HISTORICAL PARK**

**COLLECTED: 1/13/2014
 TOTAL LENGTH: 0.10 Miles**

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.10				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	14				
Roadway Condition Information					
SCR (Surface Condition Rating)	97				
PCR (Pavement Condition Rating)	97				
Distress Index Values					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	97				
Rutting Index	99				
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

ROUTE: 0109A PARKWAY DRIVE ACCESS ROAD A



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.

ROUTE: 0109B PARKWAY DRIVE ACCESS ROAD B
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/13/2014
TOTAL LENGTH: 0.12 Miles

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.12				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	13				
Roadway Condition Information					
SCR (Surface Condition Rating)	97				
PCR (Pavement Condition Rating)	97				
Distress Index Values					
Structural Crack Index	98				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	99				
Roughness Condition Index (RCI)	NC				

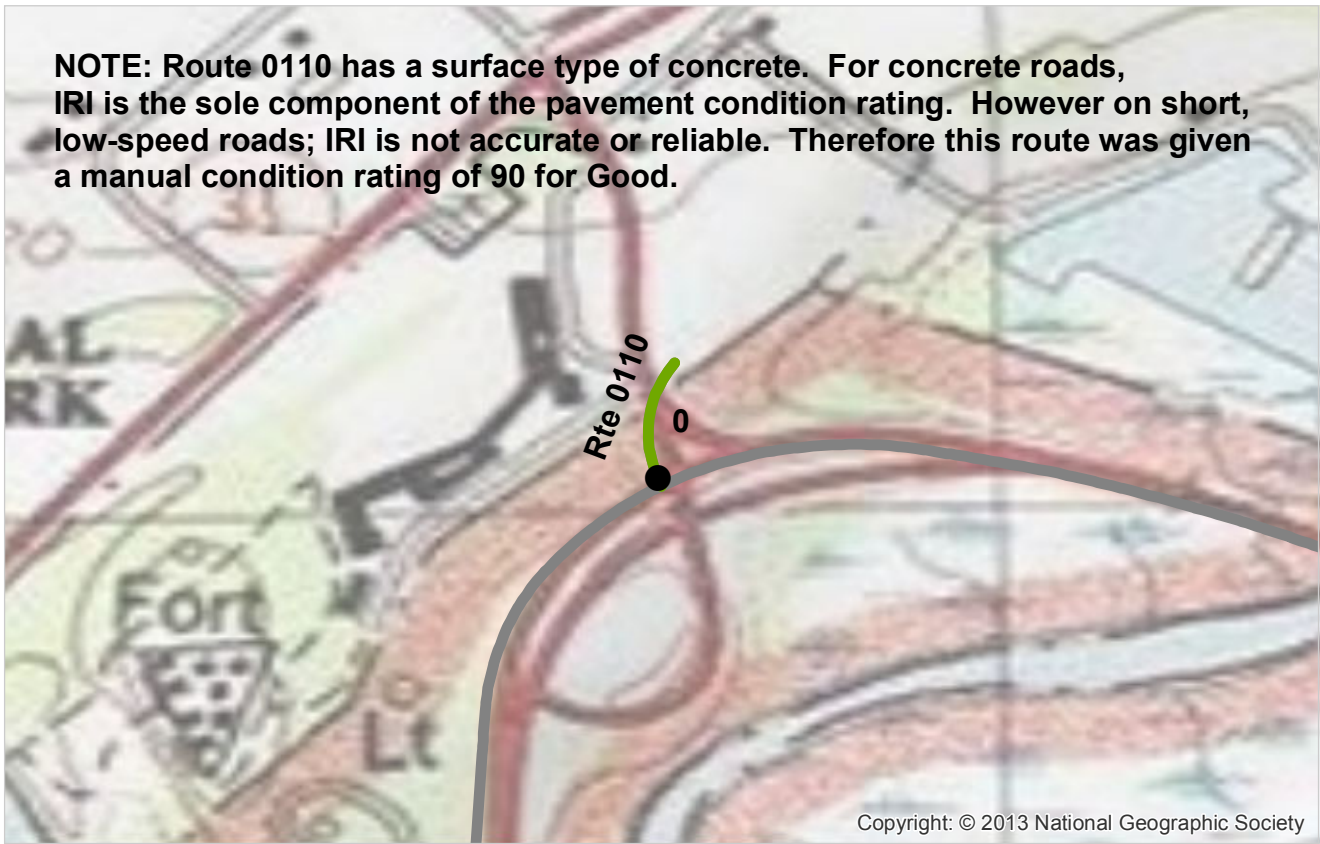
NOTES:

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

ROUTE: 0109B PARKWAY DRIVE ACCESS ROAD B

NOTE: Route 0110 has a surface type of concrete. For concrete roads, IRI is the sole component of the pavement condition rating. However on short, low-speed roads; IRI is not accurate or reliable. Therefore this route was given a manual condition rating of 90 for Good.



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.

ROUTE: 0110 STATE ROUTE 359

COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/19/2014
TOTAL LENGTH: 0.06 Miles

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.06				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	29				
Lane Width (ft)	14				
Roadway Condition Information					
SCR (Surface Condition Rating)	NC				
PCR (Pavement Condition Rating)	90				
Distress Index Values					
Structural Crack Index	NC				
Transverse Cracking Index	NC				
Patching Index	NC				
Rutting Index	NC				
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

ROUTE: 0110 STATE ROUTE 359



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.

ROUTE: 0111A STATE ROUTE 199 KINGS POINT A
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/13/2014
TOTAL LENGTH: 0.06 Miles

NORTHEAST REGION

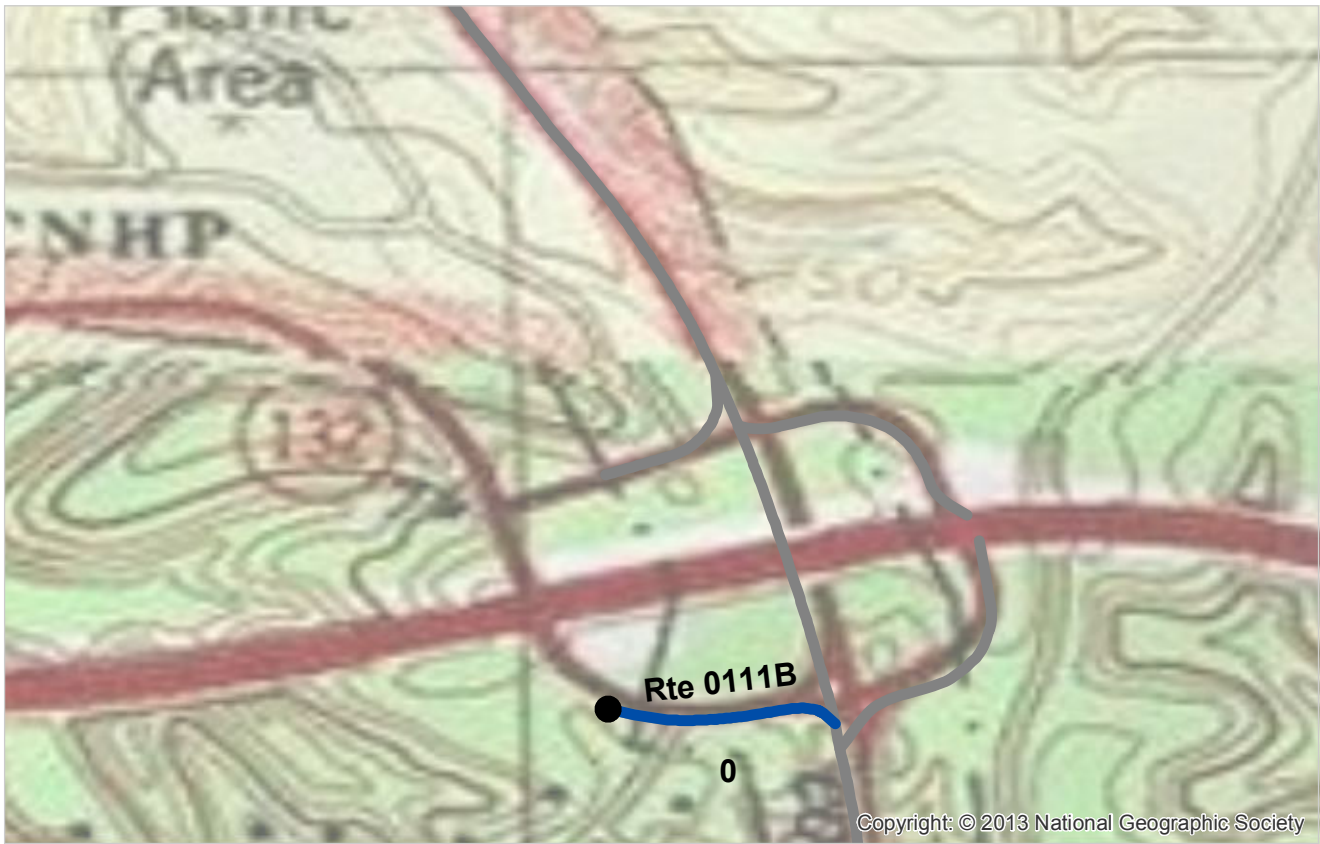
Section Number	0				
Section Length (mi)	0.06				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	11				
Roadway Condition Information					
SCR (Surface Condition Rating)	99				
PCR (Pavement Condition Rating)	99				
Distress Index Values					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	99				
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

ROUTE: 0111A STATE ROUTE 199 KINGS POINT A



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.

ROUTE: 0111B STATE ROUTE 199 KINGS POINT B
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/13/2014
TOTAL LENGTH: 0.06 Miles

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.06				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Roadway Condition Information					
SCR (Surface Condition Rating)	100				
PCR (Pavement Condition Rating)	100				
Distress Index Values					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	100				
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



ROUTE: 0111B STATE ROUTE 199 KINGS POINT B



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.

ROUTE: 0111C STATE ROUTE 199 KINGS POINT C
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/13/2014
TOTAL LENGTH: 0.11 Miles

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.11				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	28				
Lane Width (ft)	14				
Roadway Condition Information					
SCR (Surface Condition Rating)	88				
PCR (Pavement Condition Rating)	88				
Distress Index Values					
Structural Crack Index	90				
Transverse Cracking Index	88				
Patching Index	100				
Rutting Index	99				
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



ROUTE: 0111C STATE ROUTE 199 KINGS POINT C



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.

ROUTE: 0111D STATE ROUTE 199 KINGS POINT D
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/13/2014
TOTAL LENGTH: 0.12 Miles

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.12				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	27				
Lane Width (ft)	13				
Roadway Condition Information					
SCR (Surface Condition Rating)	87				
PCR (Pavement Condition Rating)	87				
Distress Index Values					
Structural Crack Index	95				
Transverse Cracking Index	87				
Patching Index	98				
Rutting Index	98				
Roughness Condition Index (RCI)	NC				

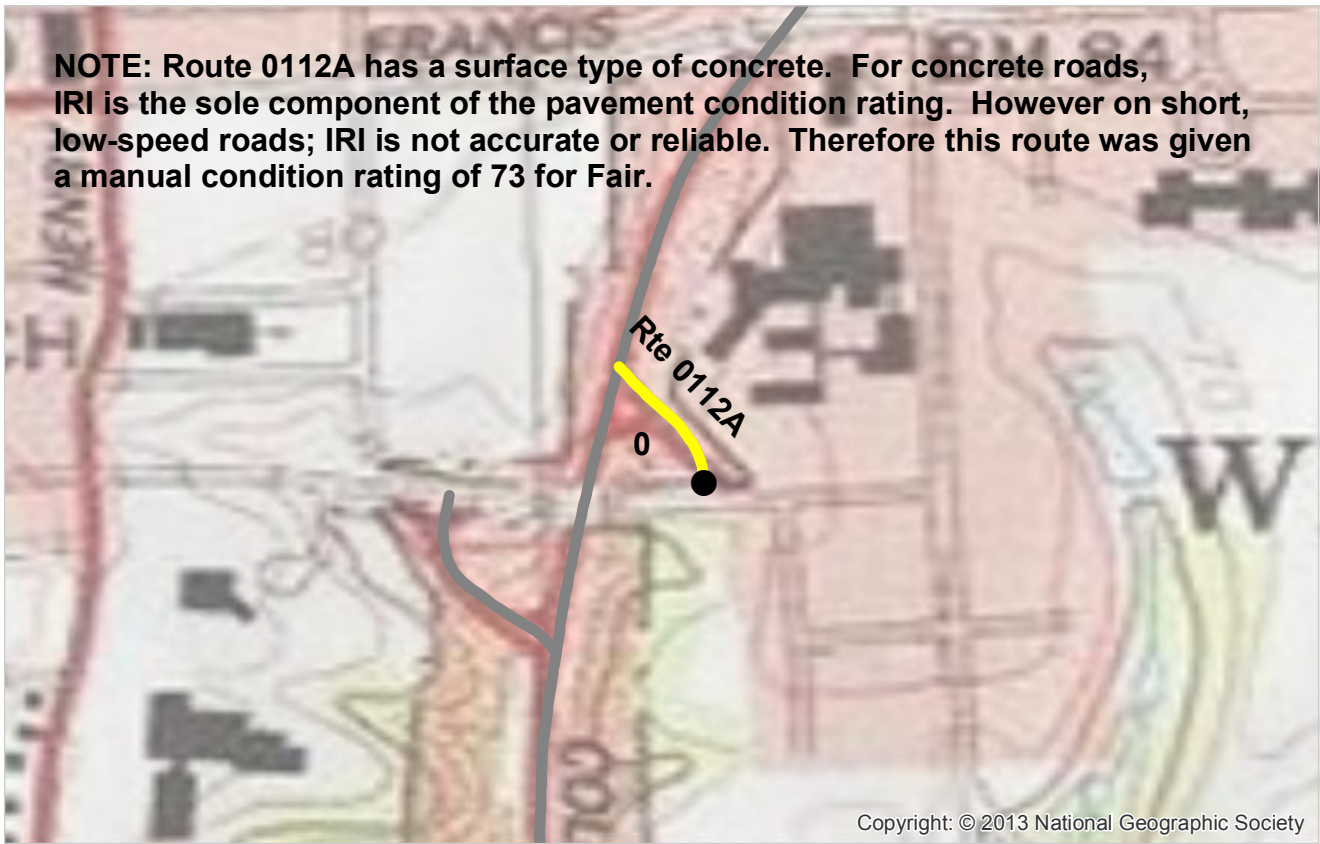
NOTES:

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

ROUTE: 0111D STATE ROUTE 199 KINGS POINT D

NOTE: Route 0112A has a surface type of concrete. For concrete roads, IRI is the sole component of the pavement condition rating. However on short, low-speed roads; IRI is not accurate or reliable. Therefore this route was given a manual condition rating of 73 for Fair.



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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.

**ROUTE: 0112A NEWPORT AVENUE ACCESS ROAD A
 COLO : COLONIAL NATIONAL HISTORICAL PARK**

**COLLECTED: 1/13/2014
 TOTAL LENGTH: 0.06 Miles**

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.06				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	31				
Lane Width (ft)	15				
Roadway Condition Information					
SCR (Surface Condition Rating)	NC				
PCR (Pavement Condition Rating)	73				
Distress Index Values					
Structural Crack Index	NC				
Transverse Cracking Index	NC				
Patching Index	NC				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

NOTES:

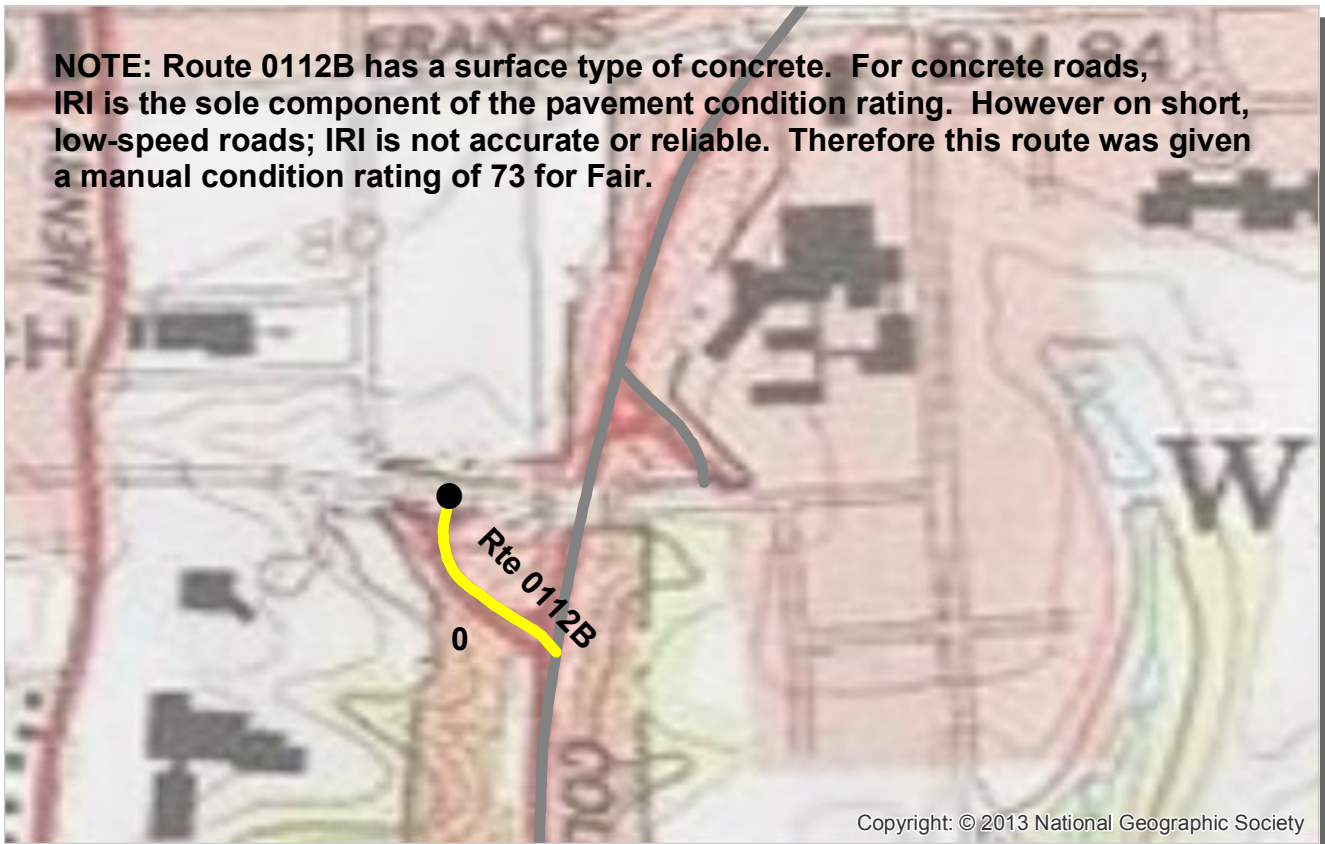
Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

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

NC - Not Collected N/A - Not Applicable

ROUTE: 0112A NEWPORT AVENUE ACCESS ROAD A

NOTE: Route 0112B has a surface type of concrete. For concrete roads, IRI is the sole component of the pavement condition rating. However on short, low-speed roads; IRI is not accurate or reliable. Therefore this route was given a manual condition rating of 73 for Fair.



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.

**ROUTE: 0112B NEWPORT AVENUE ACCESS ROAD B
 COLO : COLONIAL NATIONAL HISTORICAL PARK**

**COLLECTED: 1/13/2014
 TOTAL LENGTH: 0.09 Miles**

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.09				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	31				
Lane Width (ft)	16				
Roadway Condition Information					
SCR (Surface Condition Rating)	NC				
PCR (Pavement Condition Rating)	73				
Distress Index Values					
Structural Crack Index	NC				
Transverse Cracking Index	NC				
Patching Index	NC				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

NOTES:

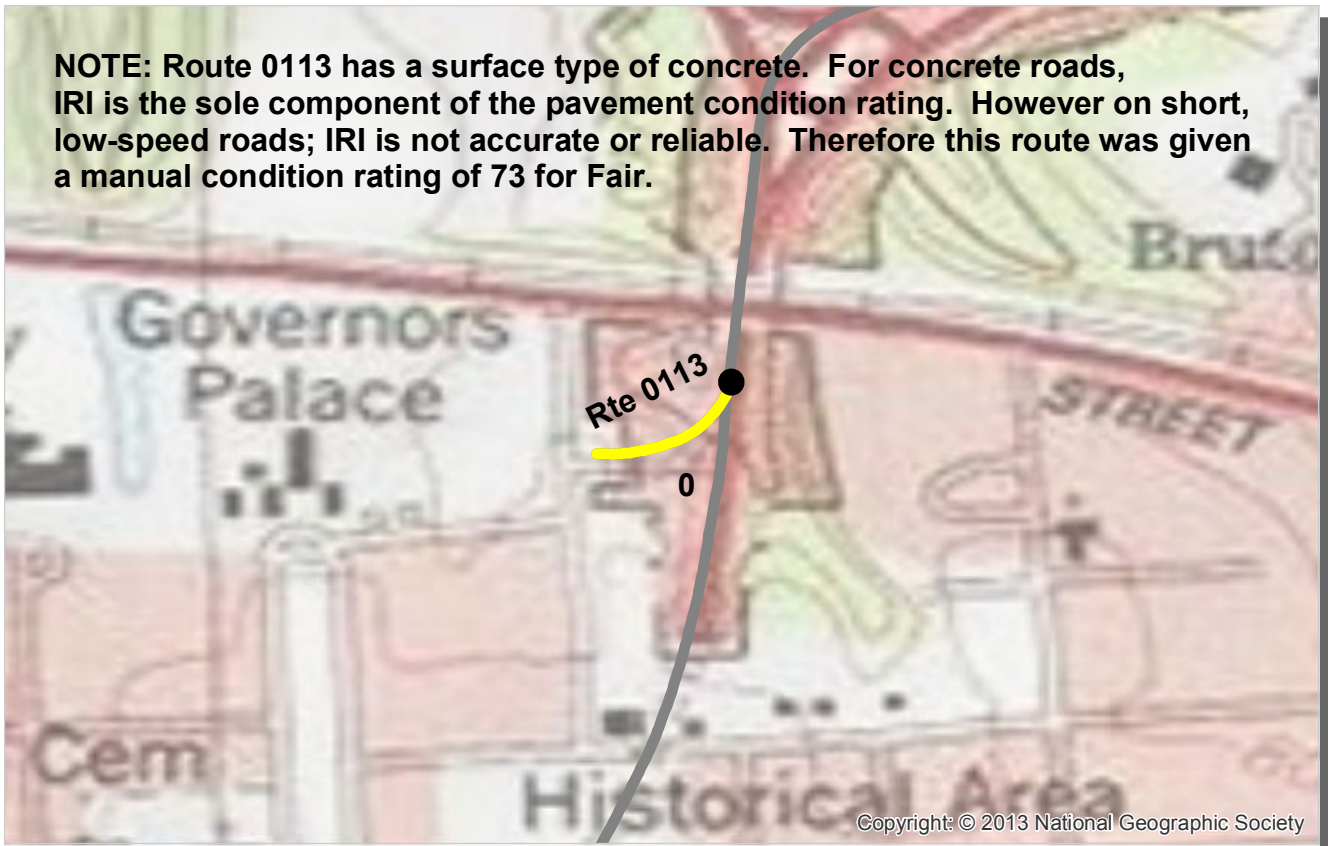
Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.
 See Section 10 for explanation of SCR, PCR, & all Distress Index Values.

NC - Not Collected N/A - Not Applicable



ROUTE: 0112B NEWPORT AVENUE ACCESS ROAD B

NOTE: Route 0113 has a surface type of concrete. For concrete roads, IRI is the sole component of the pavement condition rating. However on short, low-speed roads; IRI is not accurate or reliable. Therefore this route was given a manual condition rating of 73 for Fair.



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.

**ROUTE: 0113 NORTH ENGLAND STREET ACCESS ROAD
 COLO : COLONIAL NATIONAL HISTORICAL PARK**

**COLLECTED: 1/13/2014
 TOTAL LENGTH: 0.06 Miles**

NORTHEAST REGION

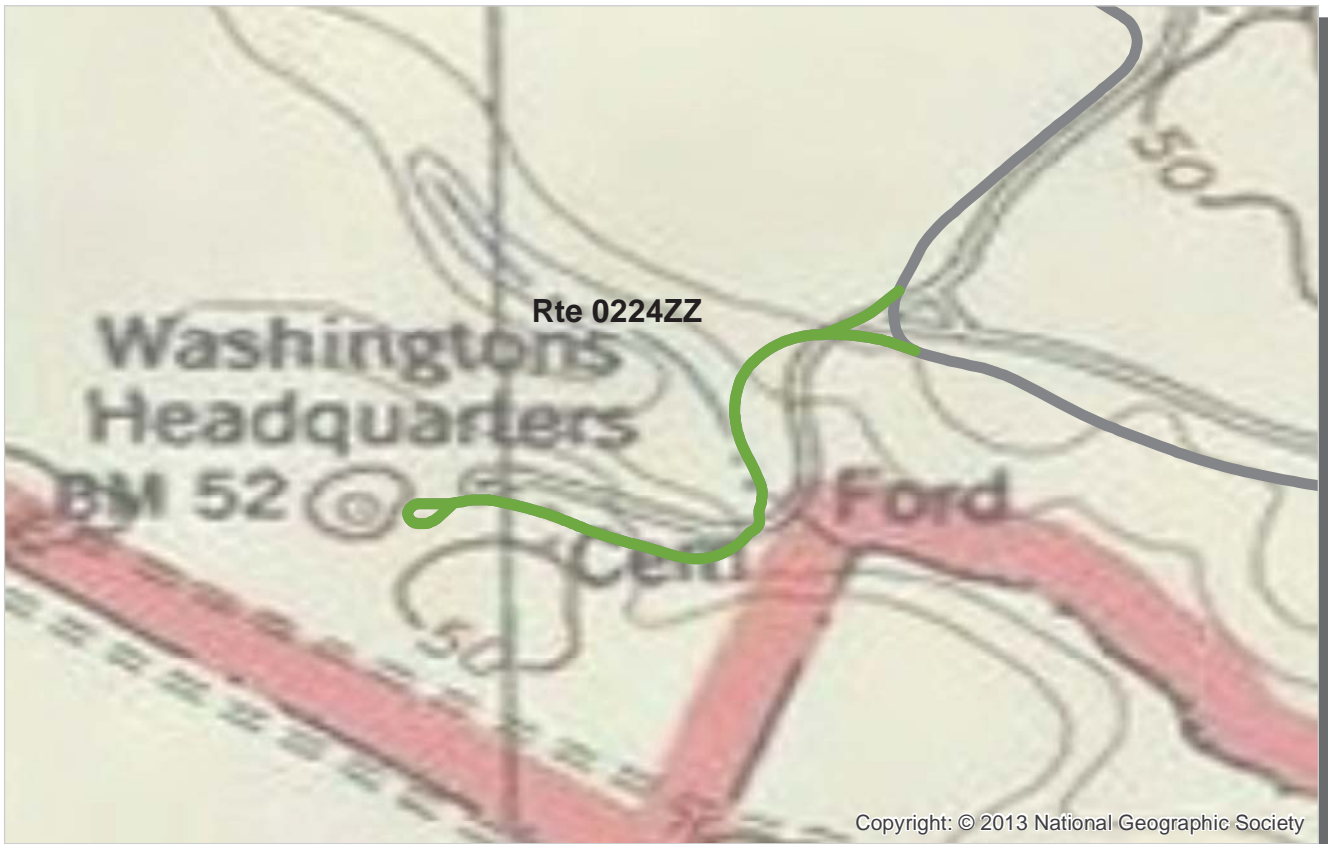
Section Number	0				
Section Length (mi)	0.06				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	18				
Lane Width (ft)	18				
Roadway Condition Information					
SCR (Surface Condition Rating)	NC				
PCR (Pavement Condition Rating)	73				
Distress Index Values					
Structural Crack Index	NC				
Transverse Cracking Index	NC				
Patching Index	NC				
Rutting Index	NC				
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

ROUTE: 0113 NORTH ENGLAND STREET ACCESS ROAD



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.

ROUTE: 0224ZZ WASHINGTON'S HEADQUARTERS ROADS
COLO : COLONIAL NATIONAL HISTORICAL PARK

Summary Record COLLECTED: 1/19/2014
 NORTHEAST REGION TOTAL LENGTH: 0.35 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)	87				
PCR (Pavement Condition Rating)	87				
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				

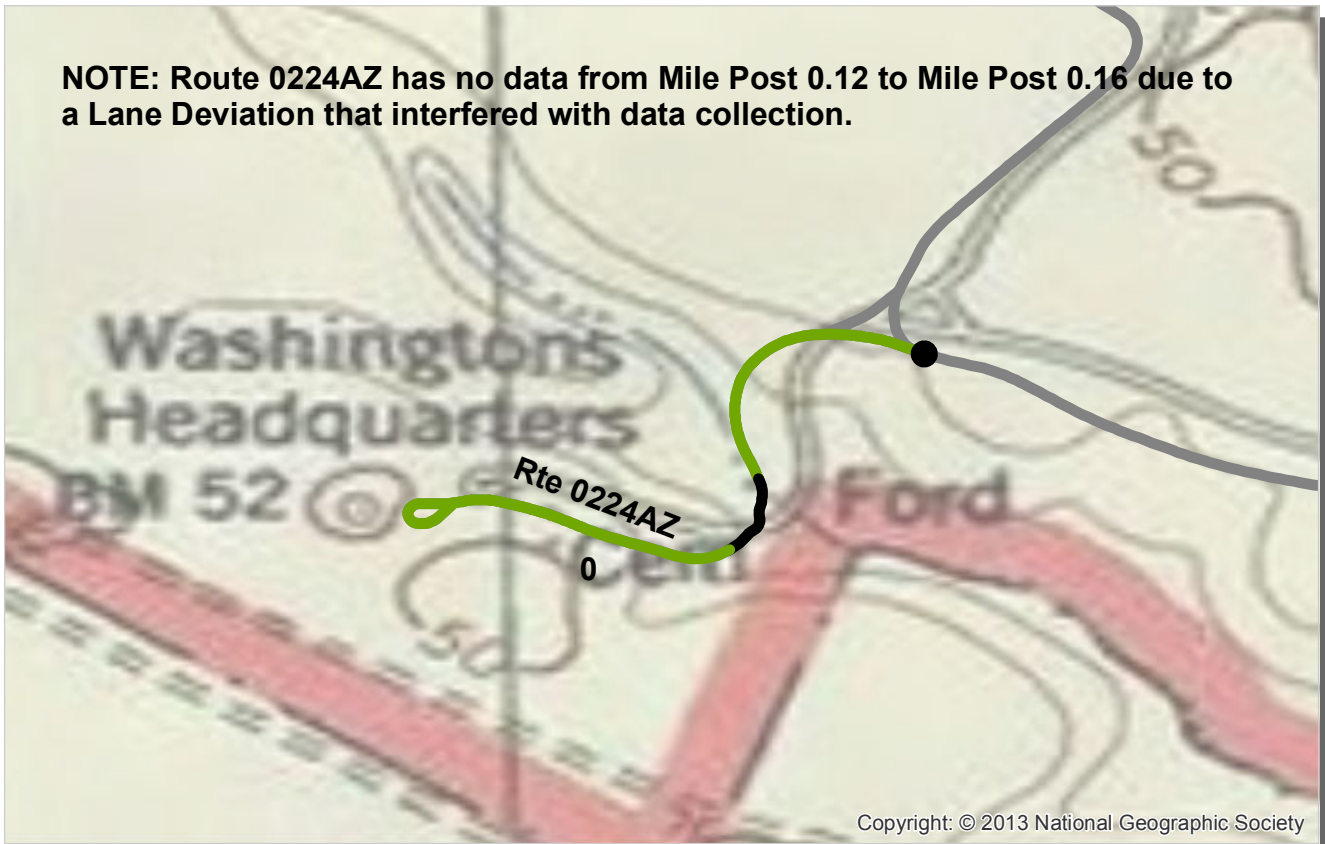
NOTES:

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

ROUTE: 0224ZZ WASHINGTON'S HEADQUARTERS ROADS

NOTE: Route 0224AZ has no data from Mile Post 0.12 to Mile Post 0.16 due to a Lane Deviation that interfered with data collection.



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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.

**ROUTE: 0224AZ WASHINGTON'S HEADQUARTERS ROAD
 COLO : COLONIAL NATIONAL HISTORICAL PARK**

Subcomponent Record
 NORTHEAST REGION

COLLECTED: 1/19/2014
TOTAL LENGTH: 0.32 Miles

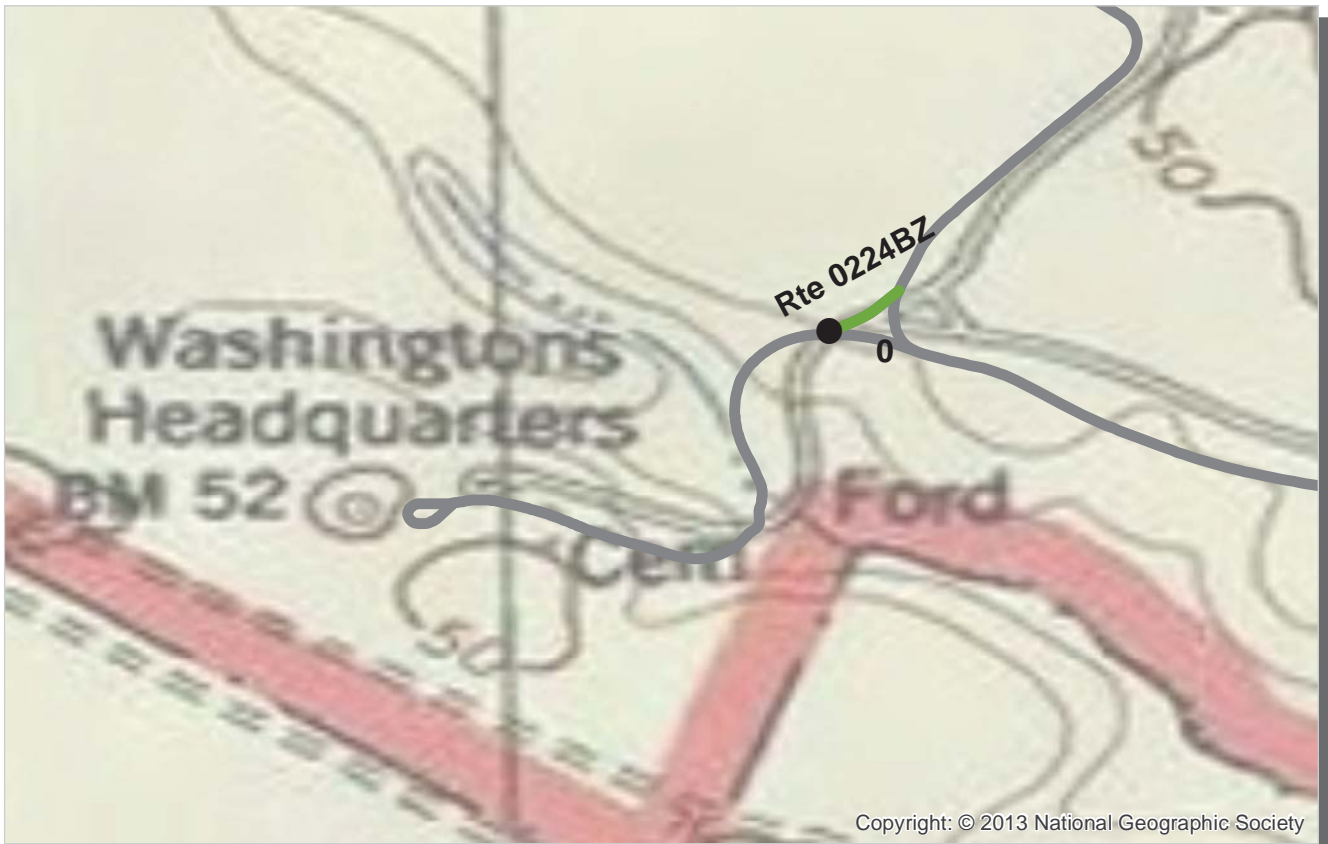
Section Number	0				
Section Length (mi)	0.32				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	11				
Roadway Condition Information					
SCR (Surface Condition Rating)	87				
PCR (Pavement Condition Rating)	87				
Distress Index Values					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	87				
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

ROUTE: 0224AZ WASHINGTON'S HEADQUARTERS ROAD



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.

ROUTE: 0224BZ WASHINGTON'S HEADQUARTERS SPUR ROAD
COLO : COLONIAL NATIONAL HISTORICAL PARK

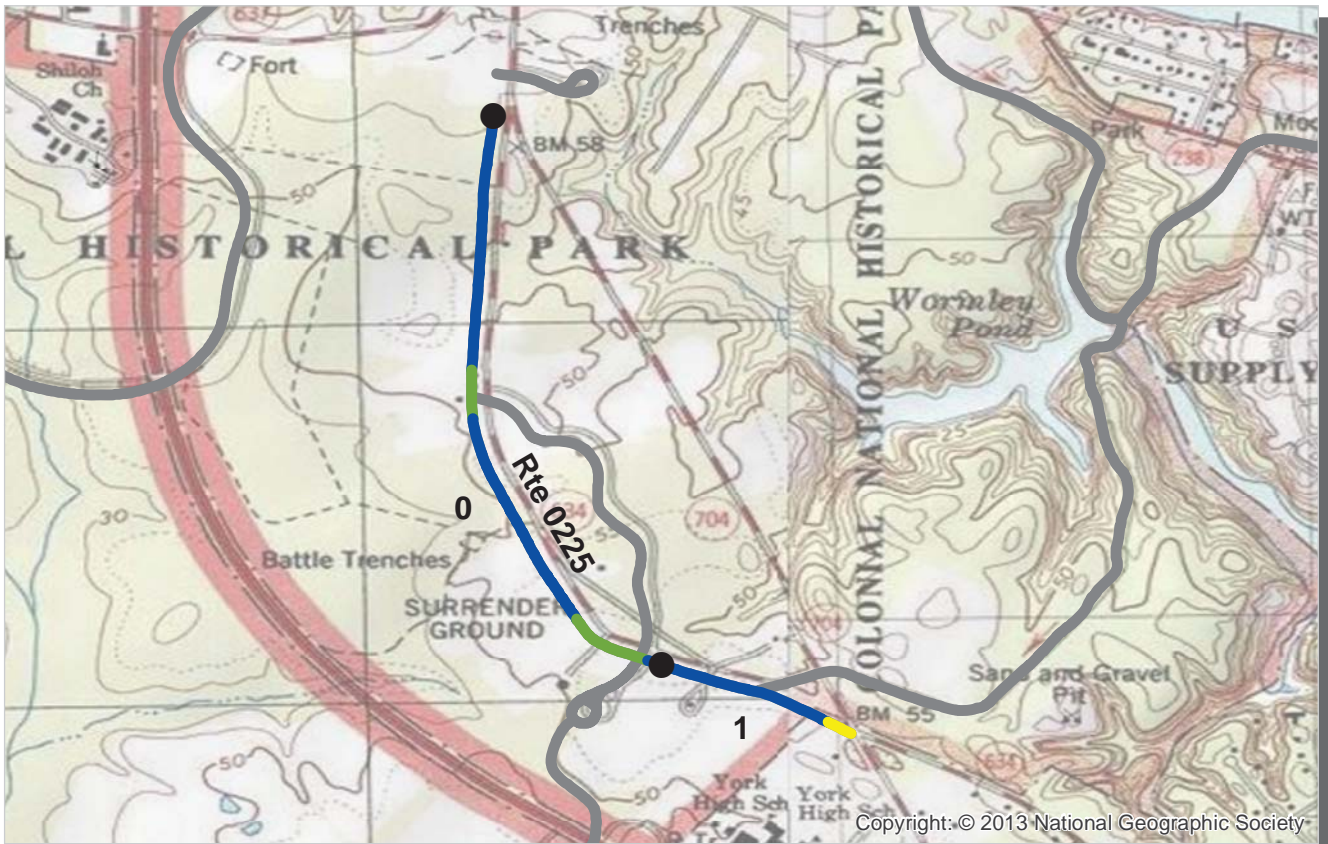
Subcomponent Record COLLECTED: 1/19/2014
NORTHEAST REGION TOTAL LENGTH: 0.03 Miles

Section Number	0				
Section Length (mi)	0.03				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Roadway Condition Information					
SCR (Surface Condition Rating)	91				
PCR (Pavement Condition Rating)	91				
Distress Index Values					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	91				
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



ROUTE: 0224BZ WASHINGTON'S HEADQUARTERS SPUR ROAD



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.

ROUTE: 0225 SURRENDER ROAD
COLO : COLONIAL NATIONAL HISTORICAL PARK

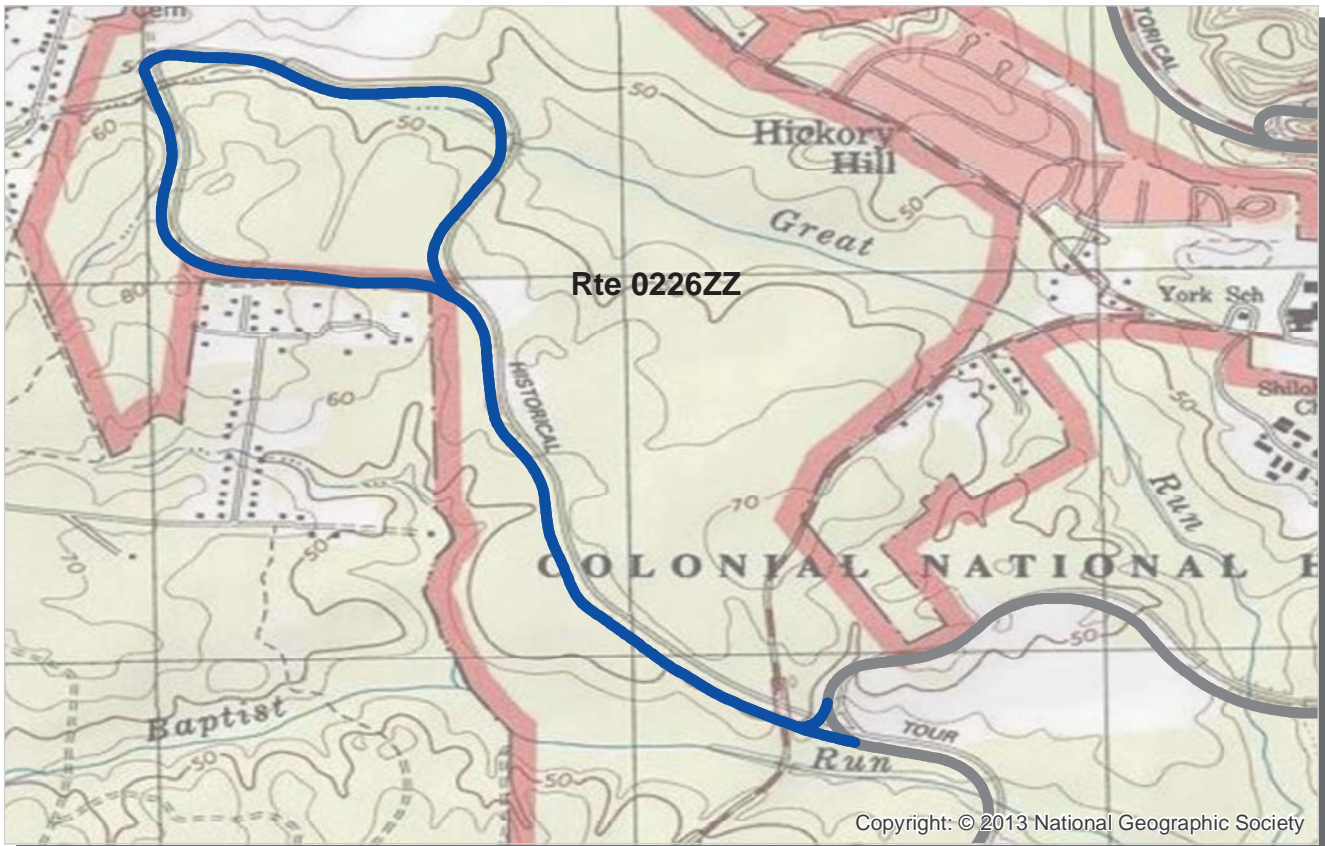
COLLECTED: 1/19/2014
TOTAL LENGTH: 1.27 Miles

NORTHEAST REGION

Section Number	0	1			
Section Length (mi)	1.00	0.27			
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	16	16			
Lane Width (ft)	8	8			
Roadway Condition Information					
SCR (Surface Condition Rating)	99	99			
PCR (Pavement Condition Rating)	95	98			
Distress Index Values					
Structural Crack Index	100	100			
Transverse Cracking Index	100	99			
Patching Index	100	100			
Rutting Index	99	99			
Roughness Condition Index (RCI)	90	96			

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

ROUTE: 0225 SURRENDER ROAD



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.

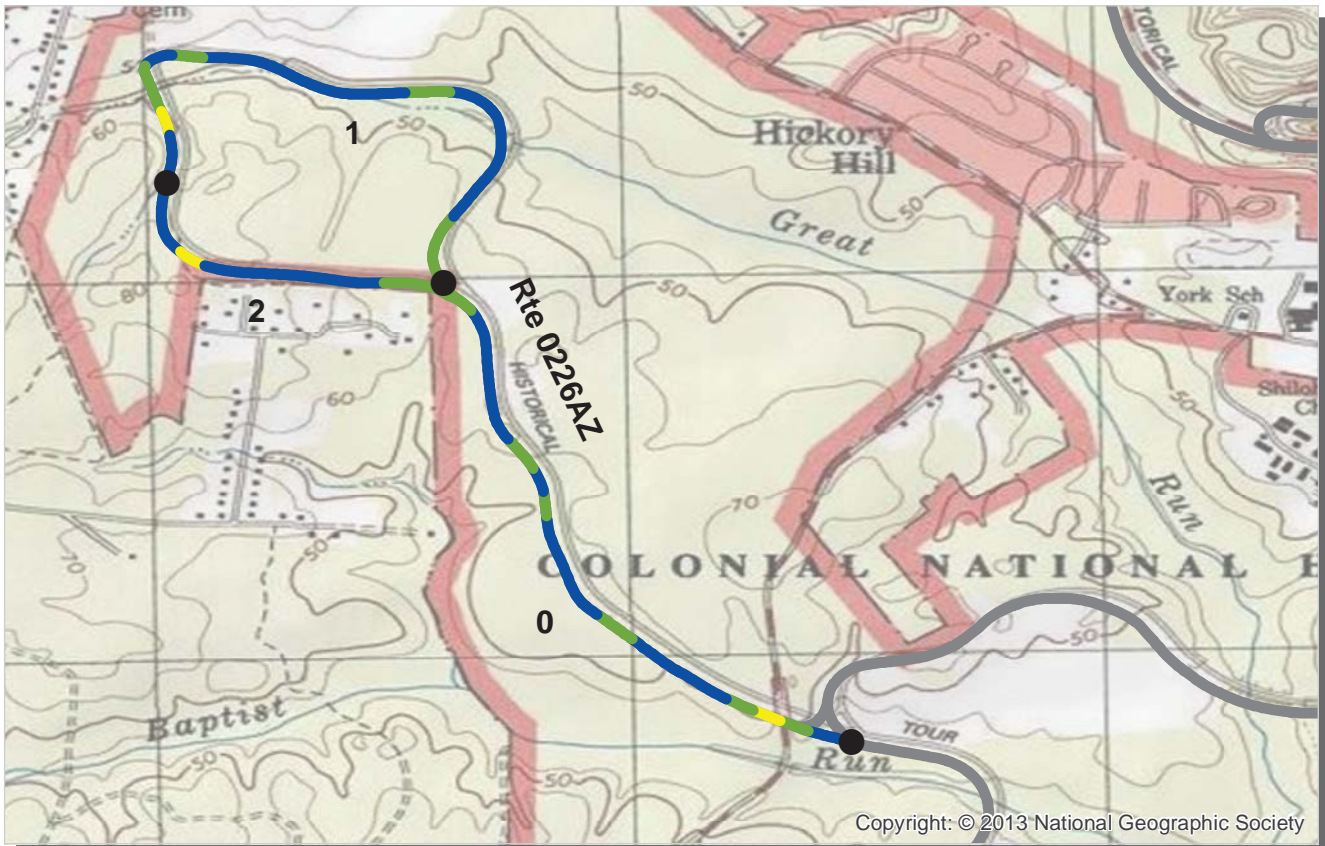
ROUTE: 0226ZZ FRENCH LOOP ROADS
COLO : COLONIAL NATIONAL HISTORICAL PARK

Summary Record COLLECTED: 1/19/2014
 NORTHEAST REGION TOTAL LENGTH: 2.54 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)	95				
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

ROUTE: 0226ZZ FRENCH LOOP ROADS



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.

ROUTE: 0226AZ FRENCH LOOP ROAD
COLO : COLONIAL NATIONAL HISTORICAL PARK

Subcomponent Record
 NORTHEAST REGION

COLLECTED: 1/19/2014
TOTAL LENGTH: 2.49 Miles

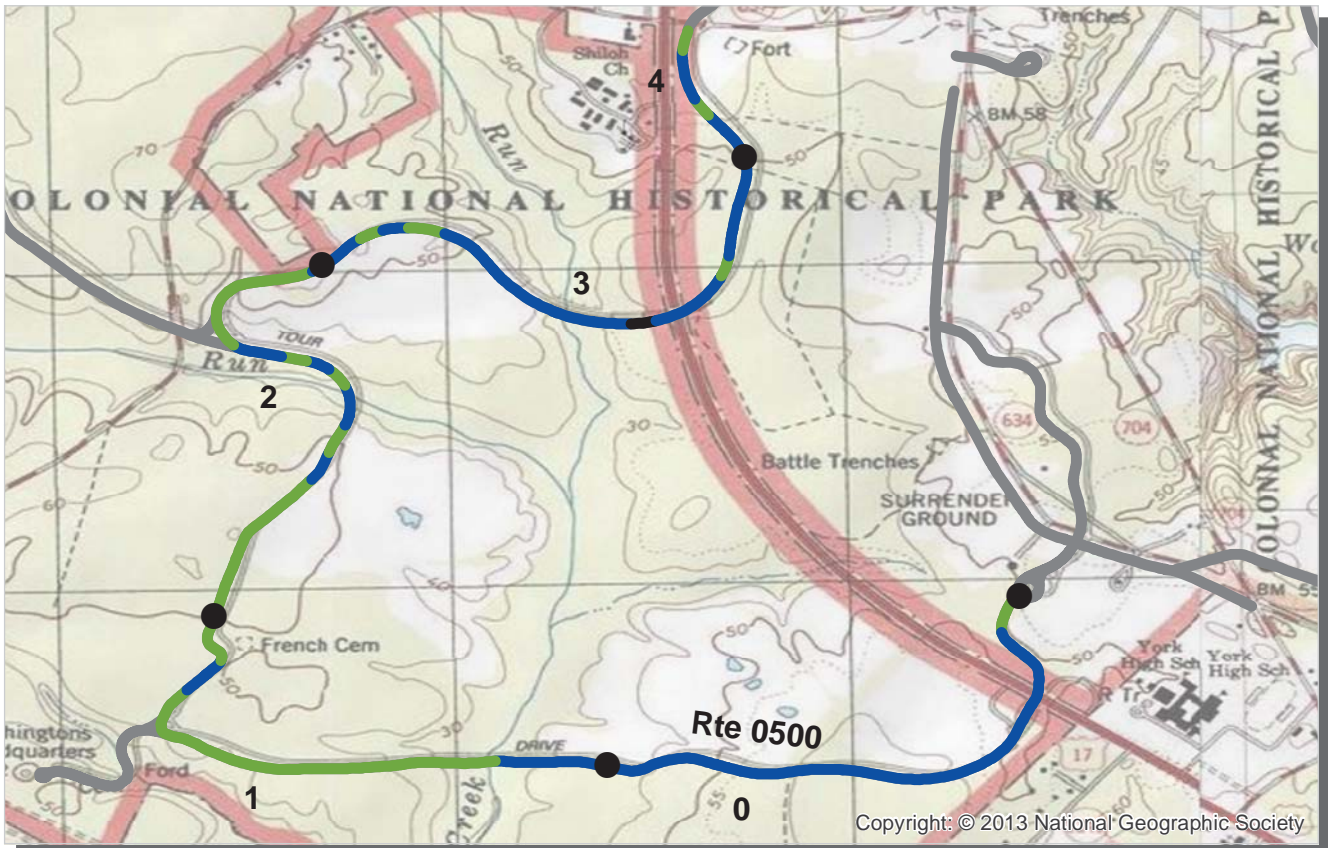
<i>Section Number</i>	0	1	2		
<i>Section Length (mi)</i>	1.00	1.00	0.49		
<i>Cross Section Information</i>					
Number of Lanes	2	1	1		
Paved Width (ft)	18	12	11		
Lane Width (ft)	10	12	11		
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	94	93	92		
PCR (Pavement Condition Rating)	94	96	95		
<i>Distress Index Values</i>					
Structural Crack Index	99	99	95		
Transverse Cracking Index	100	100	100		
Patching Index	100	100	100		
Rutting Index	94	93	92		
Roughness Condition Index (RCI)	94	100	100		

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

ROUTE: 0226AZ FRENCH LOOP ROAD



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.

ROUTE: 0500 WEST TOUR ROAD
COLO : COLONIAL NATIONAL HISTORICAL PARK

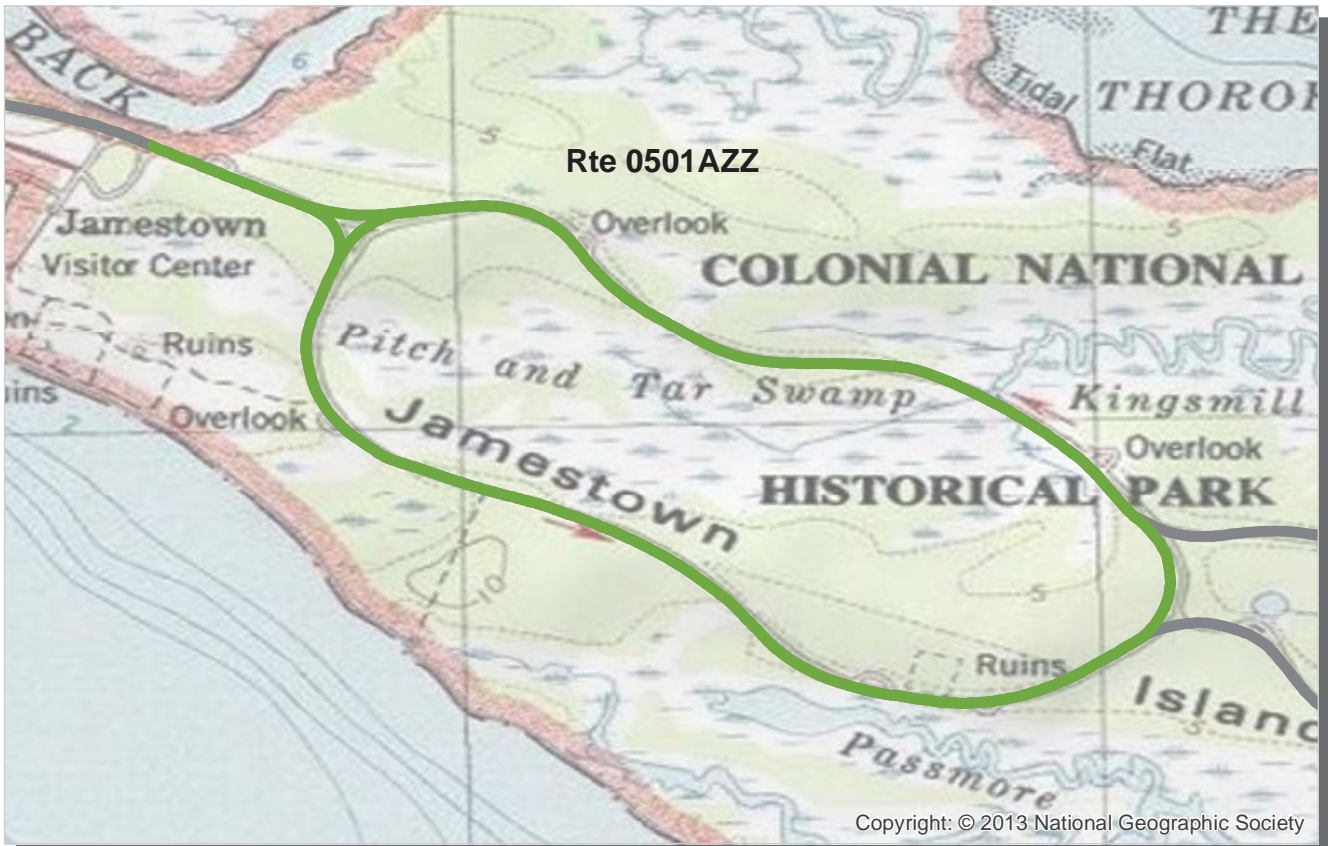
COLLECTED: 1/19/2014
TOTAL LENGTH: 4.28 Miles

NORTHEAST REGION

<i>Section Number</i>	0	1	2	3	4
<i>Section Length (mi)</i>	1.00	1.00	1.00	1.00	0.28
<i>Cross Section Information</i>					
Number of Lanes	1	1	1	1	1
Paved Width (ft)	12	12	12	12	12
Lane Width (ft)	12	12	12	12	12
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	98	91	94	96	96
PCR (Pavement Condition Rating)	98	91	94	96	96
<i>Distress Index Values</i>					
Structural Crack Index	99	100	99	99	98
Transverse Cracking Index	100	100	100	100	100
Patching Index	100	100	100	100	100
Rutting Index	98	91	94	96	96
Roughness Condition Index (RCI)	NC	NC	NC	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

ROUTE: 0500 WEST TOUR ROAD



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.

ROUTE: 0501AZZ ISLAND DRIVE WEST LOOP ROADS
COLO : COLONIAL NATIONAL HISTORICAL PARK

Summary Record COLLECTED: 1/19/2014
 NORTHEAST REGION TOTAL LENGTH: 2.54 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)	91				
PCR (Pavement Condition Rating)	91				
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				

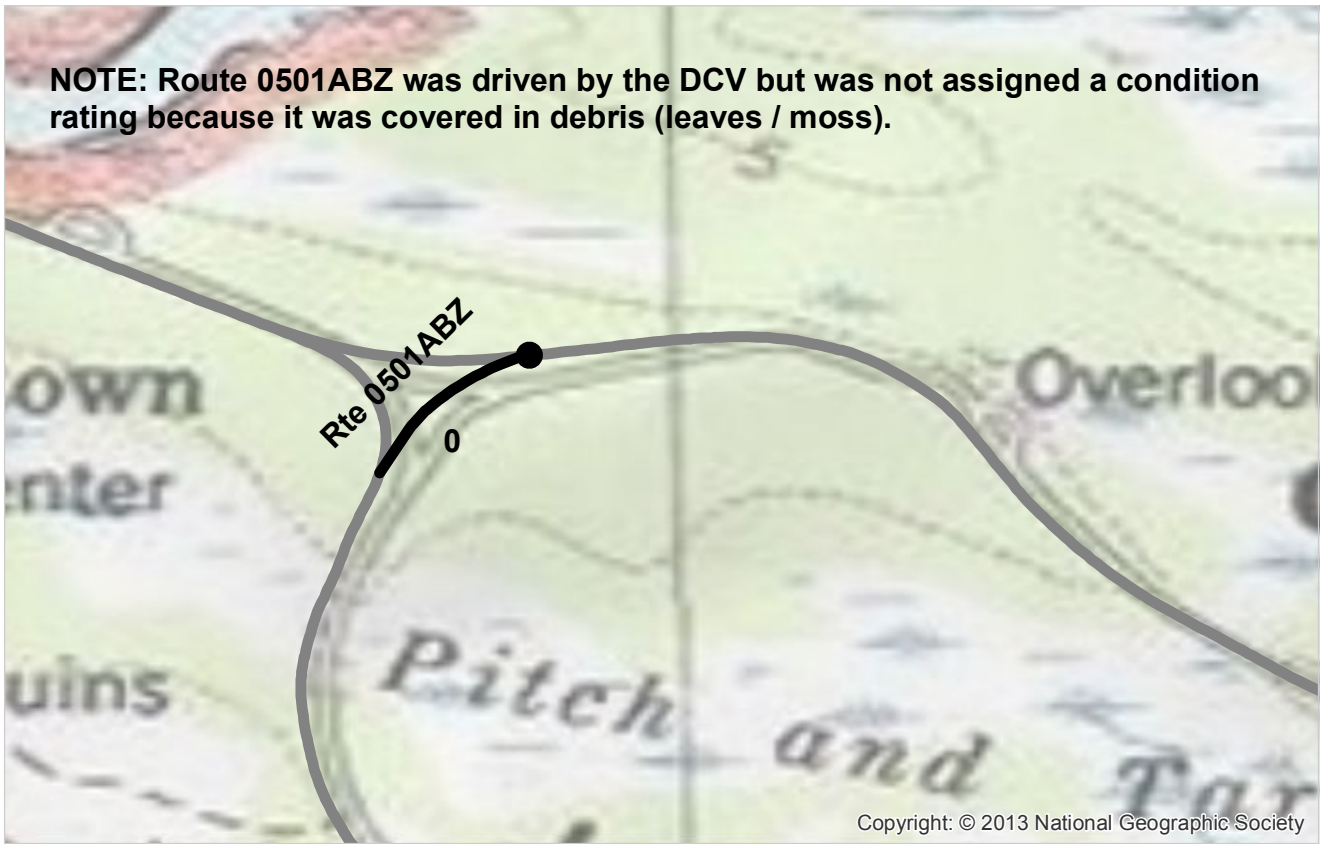
NOTES:

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

ROUTE: 0501AZZ ISLAND DRIVE WEST LOOP ROADS

NOTE: Route 0501ABZ was driven by the DCV but was not assigned a condition rating because it was covered in debris (leaves / moss).



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.

**ROUTE: 0501ABZ ISLAND DRIVE WEST LOOP SPUR
 COLO : COLONIAL NATIONAL HISTORICAL PARK**

Subcomponent Record
 NORTHEAST REGION

COLLECTED: 1/19/2014
TOTAL LENGTH: 0.06 Miles

Section Number	0				
Section Length (mi)	0.06				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	16				
Lane Width (ft)	16				
Roadway Condition Information					
SCR (Surface Condition Rating)	NC				
PCR (Pavement Condition Rating)	NC				
Distress Index Values					
Structural Crack Index	NC				
Transverse Cracking Index	NC				
Patching Index	NC				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

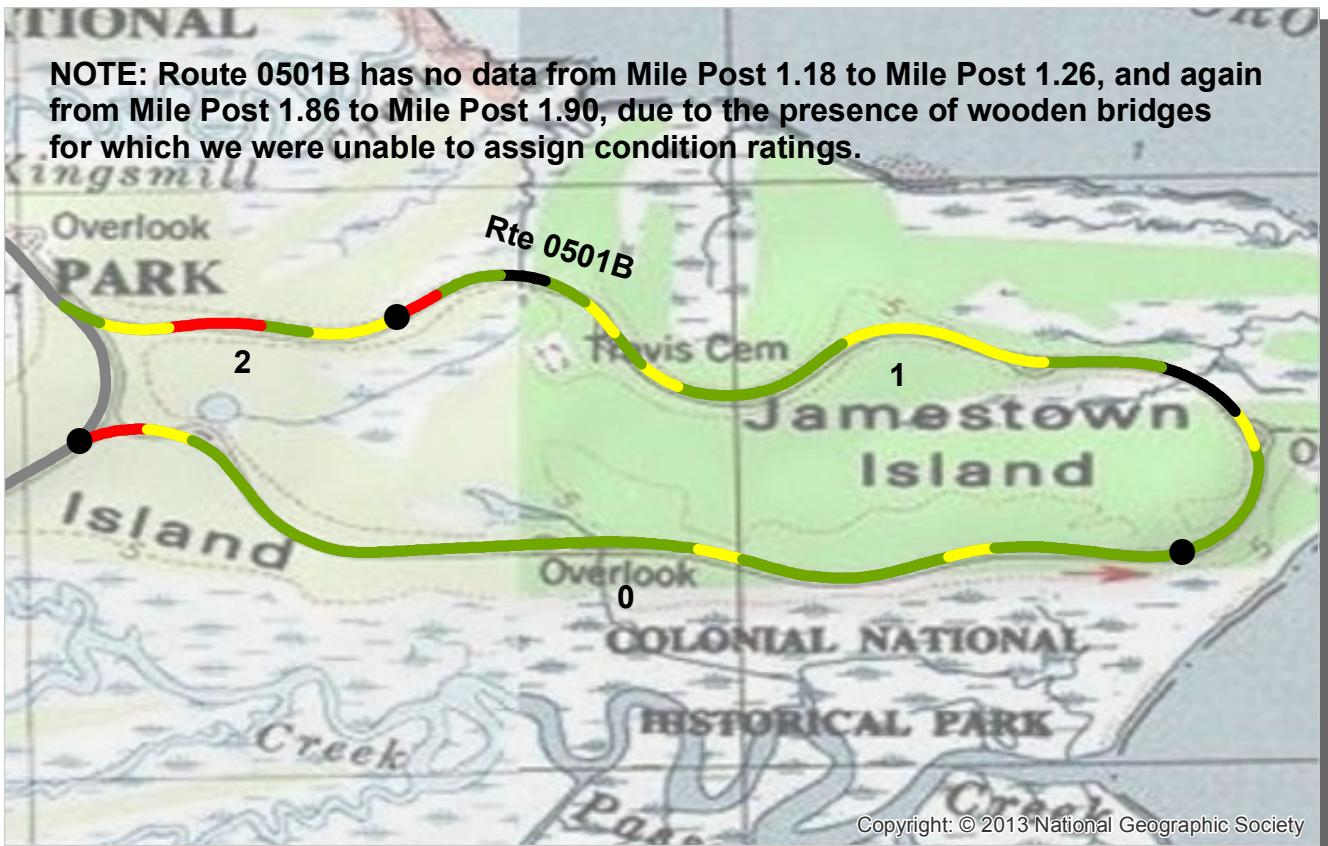
NOTES:

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

ROUTE: 0501ABZ ISLAND DRIVE WEST LOOP SPUR

NOTE: Route 0501B has no data from Mile Post 1.18 to Mile Post 1.26, and again from Mile Post 1.86 to Mile Post 1.90, due to the presence of wooden bridges for which we were unable to assign condition ratings.



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.

ROUTE: 0501B ISLAND DRIVE EAST LOOP
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/19/2014
TOTAL LENGTH: 2.28 Miles

NORTHEAST REGION

<i>Section Number</i>	0	1	2		
<i>Section Length (mi)</i>	1.00	1.00	0.28		
<i>Cross Section Information</i>					
Number of Lanes	1	1	1		
Paved Width (ft)	12	12	13		
Lane Width (ft)	12	12	13		
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	89	80	59		
PCR (Pavement Condition Rating)	89	80	59		
<i>Distress Index Values</i>					
Structural Crack Index	89	80	59		
Transverse Cracking Index	96	88	70		
Patching Index	100	100	100		
Rutting Index	91	89	90		
Roughness Condition Index (RCI)	NC	NC	NC		

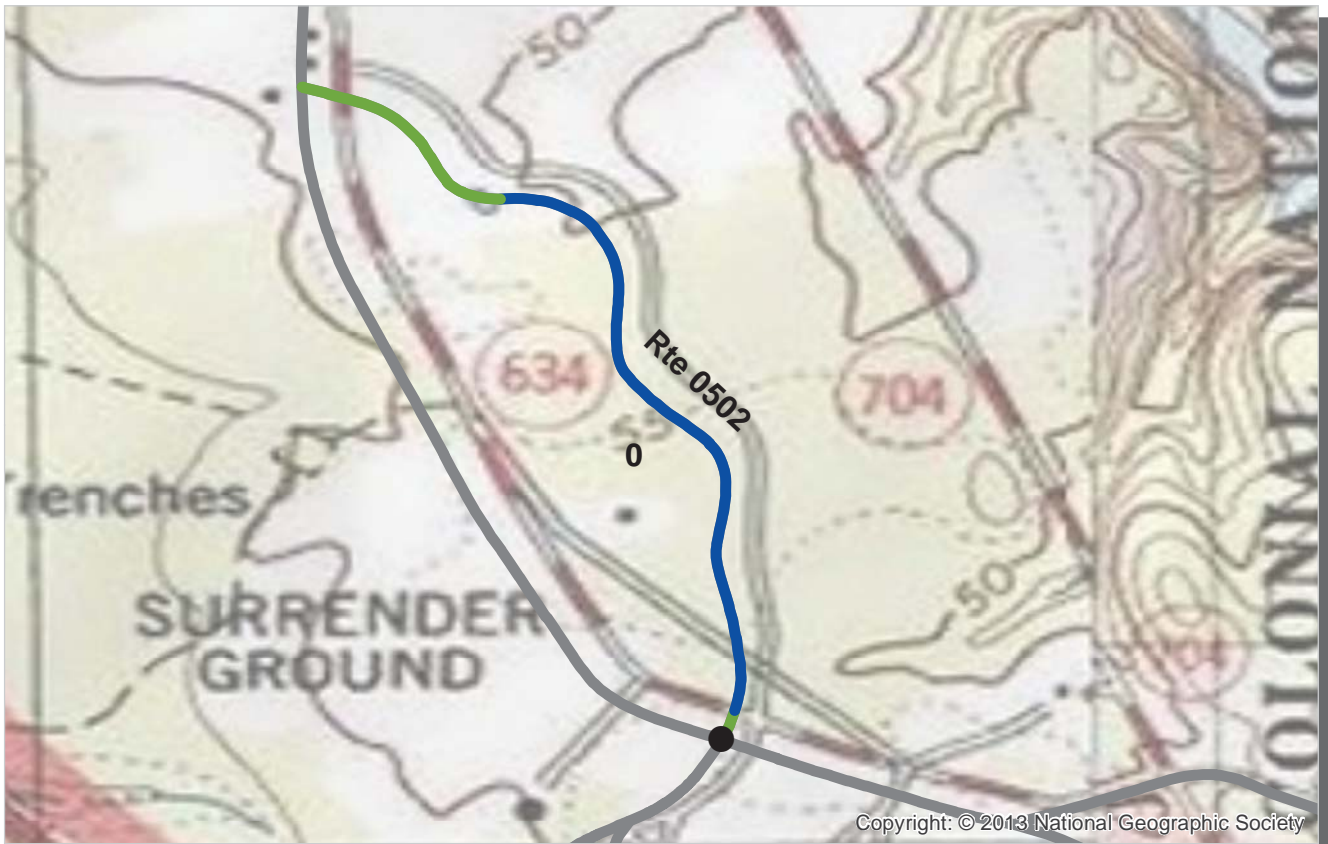
NOTES:

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



ROUTE: 0501B ISLAND DRIVE EAST LOOP



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.

ROUTE: 0502 AFTERMATH ROAD
COLO : COLONIAL NATIONAL HISTORICAL PARK

COLLECTED: 1/19/2014
TOTAL LENGTH: 0.55 Miles

NORTHEAST REGION

Section Number	0				
Section Length (mi)	0.55				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Roadway Condition Information					
SCR (Surface Condition Rating)	95				
PCR (Pavement Condition Rating)	95				
Distress Index Values					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	95				
Roughness Condition Index (RCI)	NC				

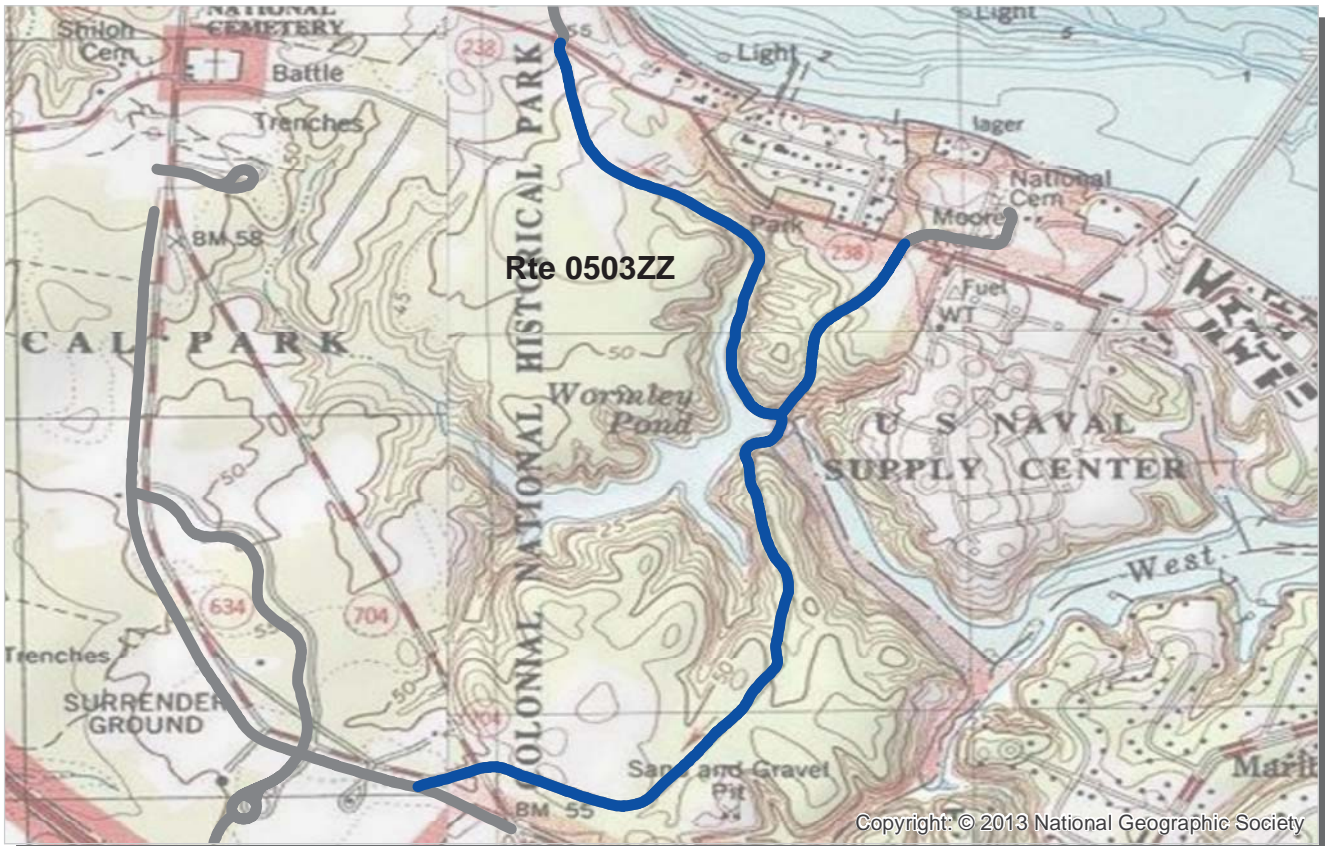
NOTES:

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



ROUTE: 0502 AFTERMATH ROAD



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.

ROUTE: 0503ZZ EAST TOUR ROADS
COLO : COLONIAL NATIONAL HISTORICAL PARK

Summary Record COLLECTED: 1/19/2014
 NORTHEAST REGION TOTAL LENGTH: 2.16 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)	96				
PCR (Pavement Condition Rating)	96				
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



ROUTE: 0503ZZ EAST TOUR ROADS



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.

ROUTE: 0503BZ EAST TOUR ROAD B
COLO : COLONIAL NATIONAL HISTORICAL PARK

Subcomponent Record

COLLECTED: 1/16/2014

NORTHEAST REGION

TOTAL LENGTH: 0.33 Miles

Section Number	0				
Section Length (mi)	0.33				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Roadway Condition Information					
SCR (Surface Condition Rating)	95				
PCR (Pavement Condition Rating)	95				
Distress Index Values					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	95				
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

ROUTE: 0503BZ EAST TOUR ROAD B

Section 6
Manually Rated Paved Route
Condition Rating Sheets



Colonial National Historical Park



**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



Colonial National Historical Park



**Federal Lands Highway
Road Inventory Program**

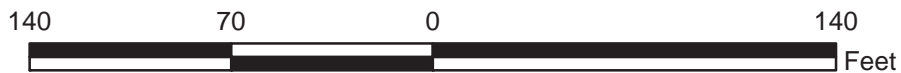
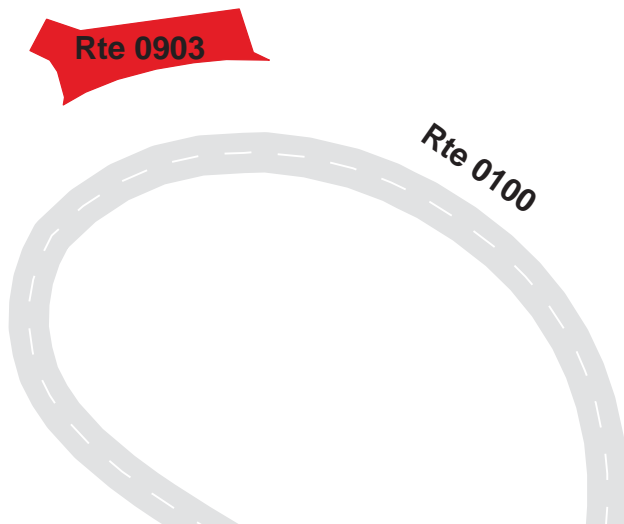
COLONIAL NATIONAL HISTORICAL PARK

Route 0903

UNTOUCHED REDOUBT LOOP/PARKING
 ADJACENT TO ROUTE 0100 (UNTOUCHED REDOUBT ROAD)

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0903	PUBLIC	2/9/2013	1,061	0.02	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	0	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



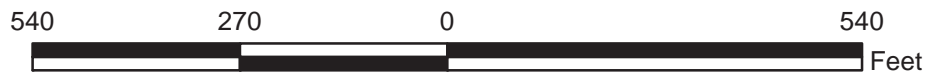
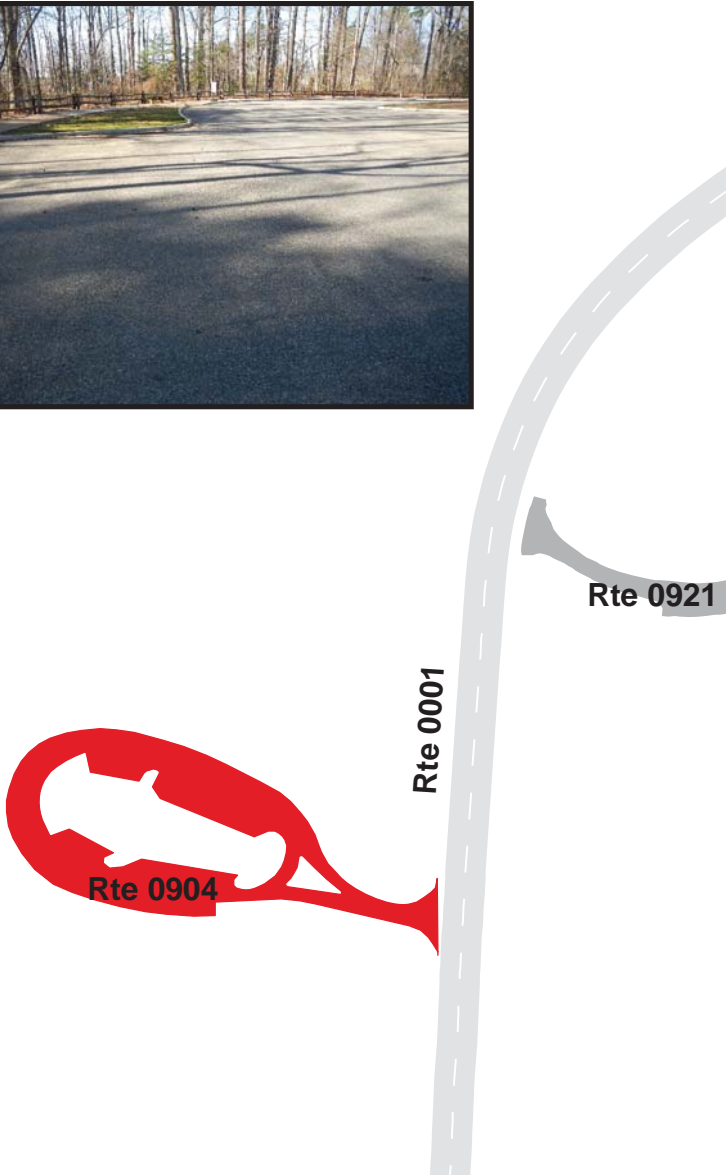
COLONIAL NATIONAL HISTORICAL PARK

Route 0904

GLASSHOUSE ACCESS ROAD PARKING
 FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 22.03 (ON RIGHT)
 TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0904	PUBLIC	2/9/2013	41,004	0.71	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	3	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

Route 0925

CORNWALLIS' CAVE PARKING ADJACENT TO WATER STREET

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0925	PUBLIC	2/9/2013	1,578	0.03	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	0	NO CURB AND GUTTER	WOOD CURB	GOOD/90

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

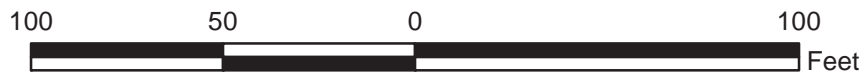
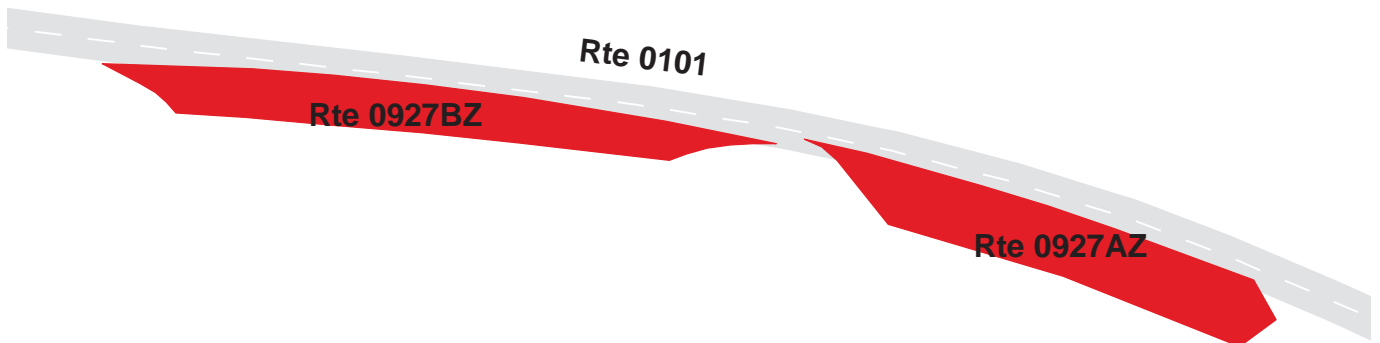
Route 0927ZZ

GRAND FRENCH BATTERY PARKING AREAS
ADJACENT TO ROUTE 0101 (GRAND FRENCH BATTERY ROAD)

Summary Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0927ZZ	PUBLIC	2/9/2013	2,890	0.05	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	0	NO CURB AND GUTTER	CONCRETE CURB	SUMMARY/45

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

Route 0927AZ

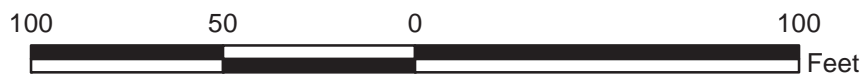
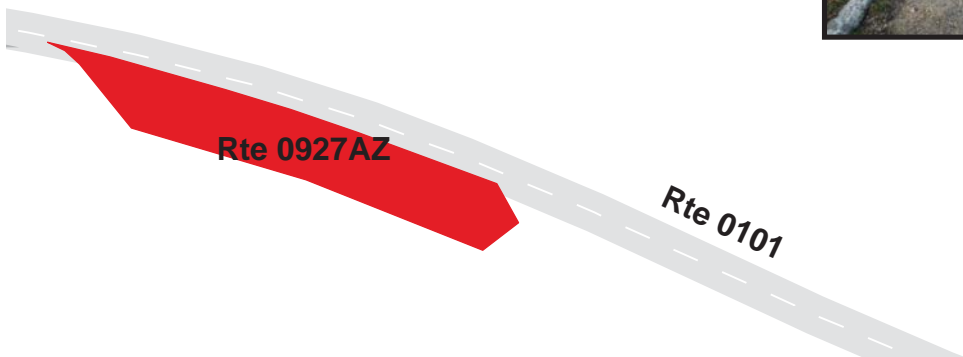
GRAND FRENCH BATTERY PARKING A

ADJACENT TO ROUTE 0101 (GRAND FRENCH BATTERY ROAD) AT MP 0.05 (ON RIGHT)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0927AZ	PUBLIC	2/9/2013	1,482	0.03	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	0	NO CURB AND GUTTER	CONCRETE CURB	POOR/45

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

Route 0927BZ

GRAND FRENCH BATTERY PARKING B

ADJACENT TO ROUTE 0101 (GRAND FRENCH BATTERY ROAD) AT MP 0.02 (ON RIGHT)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0927BZ	PUBLIC	2/9/2013	1,408	0.02	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	0	NO CURB AND GUTTER	CONCRETE CURB	POOR/45

* Lane miles are based on 11' lane widths



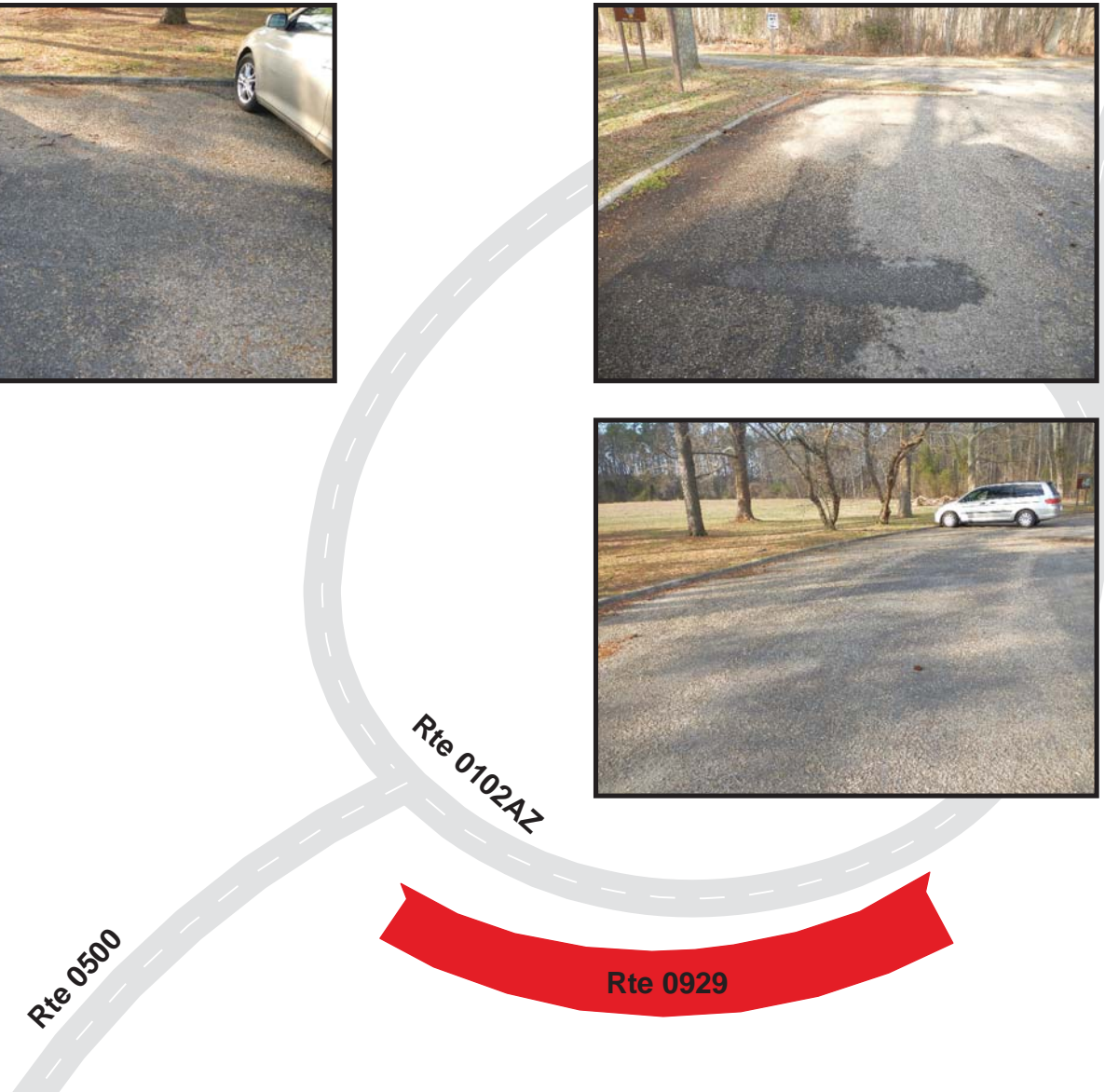
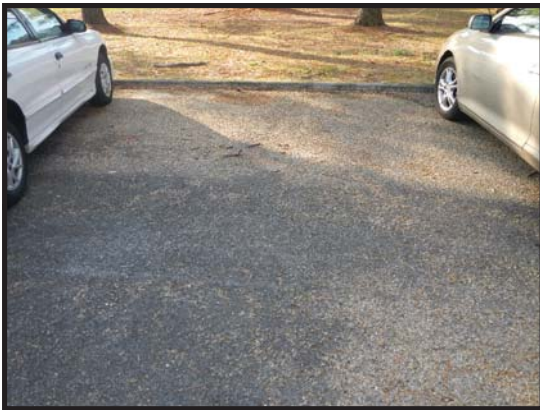
COLONIAL NATIONAL HISTORICAL PARK

Route 0929

SURRENDER FIELD ACCESS PARKING
 ADJACENT TO ROUTE 0102ZZ (SURRENDER FIELD ROADS)

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0929	PUBLIC	2/9/2013	2,255	0.04	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
1	0	0	NO CURB AND GUTTER	CONCRETE CURB	POOR/45

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

Route 0930

WASHINGTON'S HEADQUARTERS PARKING
 FROM ROUTE 0224ZZ (WASHINGTON'S HEADQUARTERS ROADS)
 TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0930	PUBLIC	2/9/2013	607	0.01	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	0	NO CURB AND GUTTER	CONCRETE & WOOD CURB	FAIR/73

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

Route 0932

NECK O LAND VISITOR CONTACT PARKING
 FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 21.04 (ON LEFT)
 TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0932	PUBLIC	2/9/2013	75,095	1.29	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	2	1	NO CURB AND GUTTER	CONCRETE CURB	NC/-1

* Lane miles are based on 11' lane widths



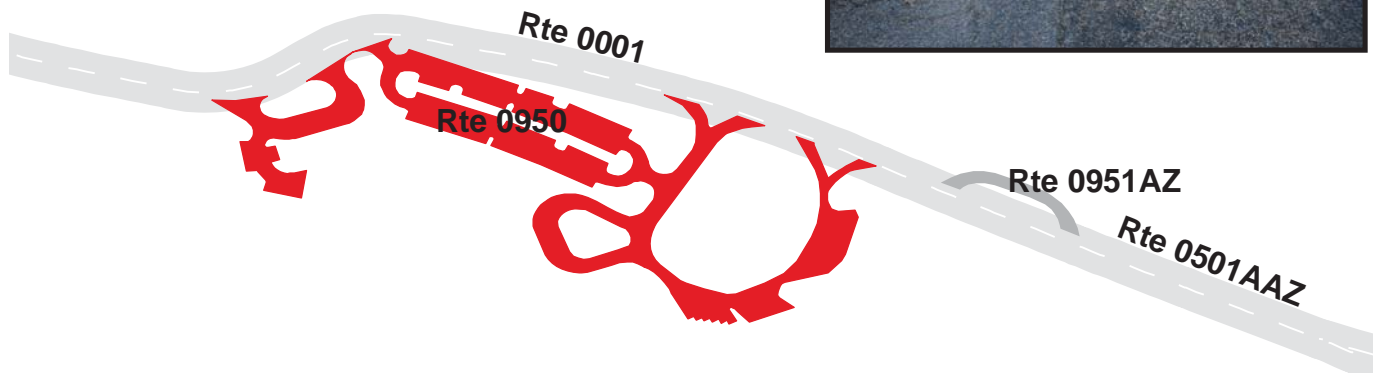
COLONIAL NATIONAL HISTORICAL PARK

Route 0950

JAMESTOWN VISITOR CENTER PARKING
 FROM ROUTE 0001 (COLONIAL PARKWAY) AT MP 22.88 (ON RIGHT)
 TO INTERSECTION OF ROUTE 0001 (COLONIAL PARKWAY)
 AND ROUTE 0501AZZ (ISLAND DRIVE WEST LOOP ROADS)

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0950	PUBLIC	2/9/2013	129,615	2.23	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
1	19	1	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

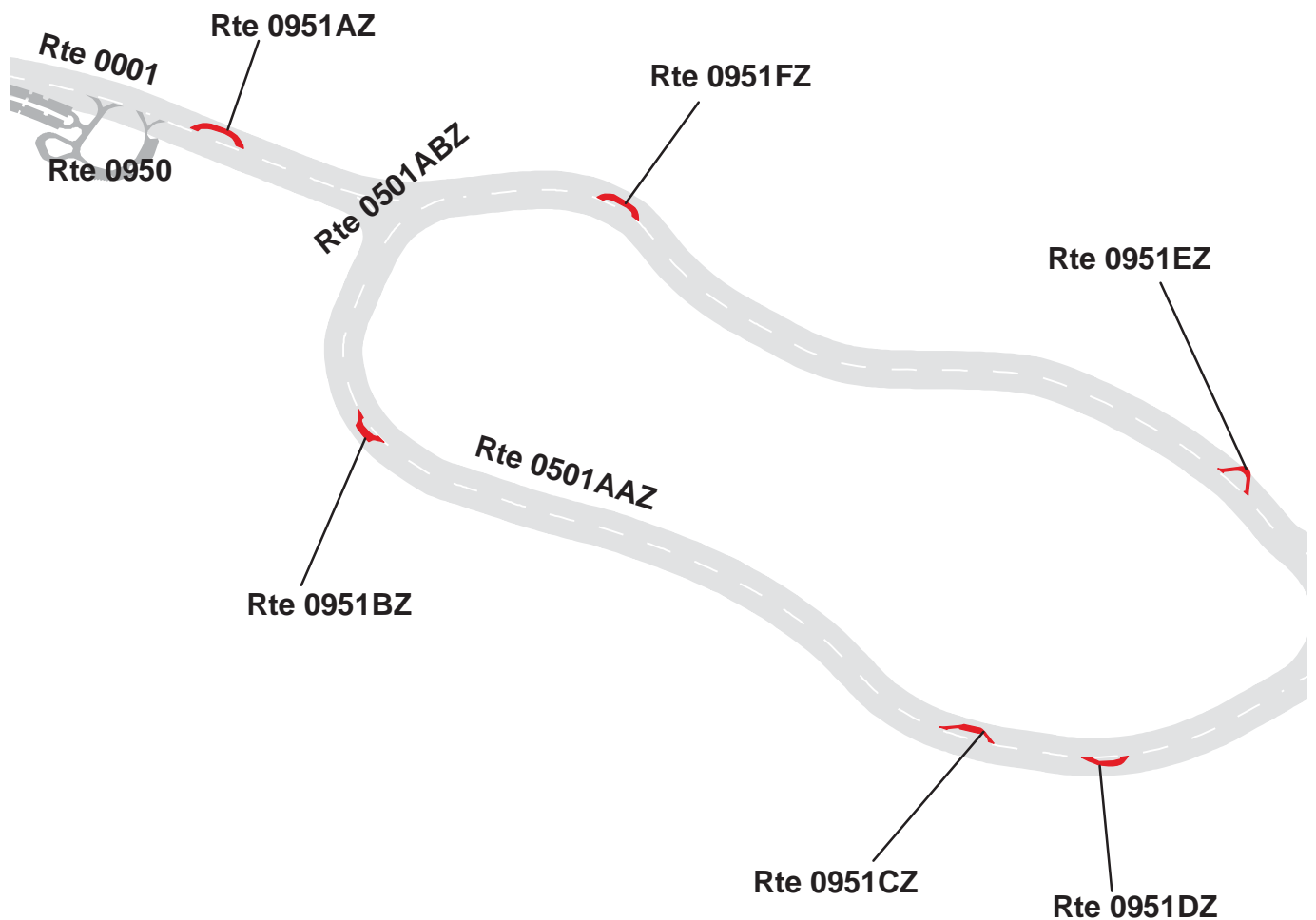
Route 0951ZZ

ISLAND DRIVE SHORT LOOP PARKING AREAS
 FROM ROUTE 0501AZZ (ISLAND DRIVE WEST LOOP ROADS)
 TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)

Summary Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0951ZZ	PUBLIC	2/9/2013	31,635	0.55	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	0	NO CURB AND GUTTER	NO CURB	SUMMARY/69

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

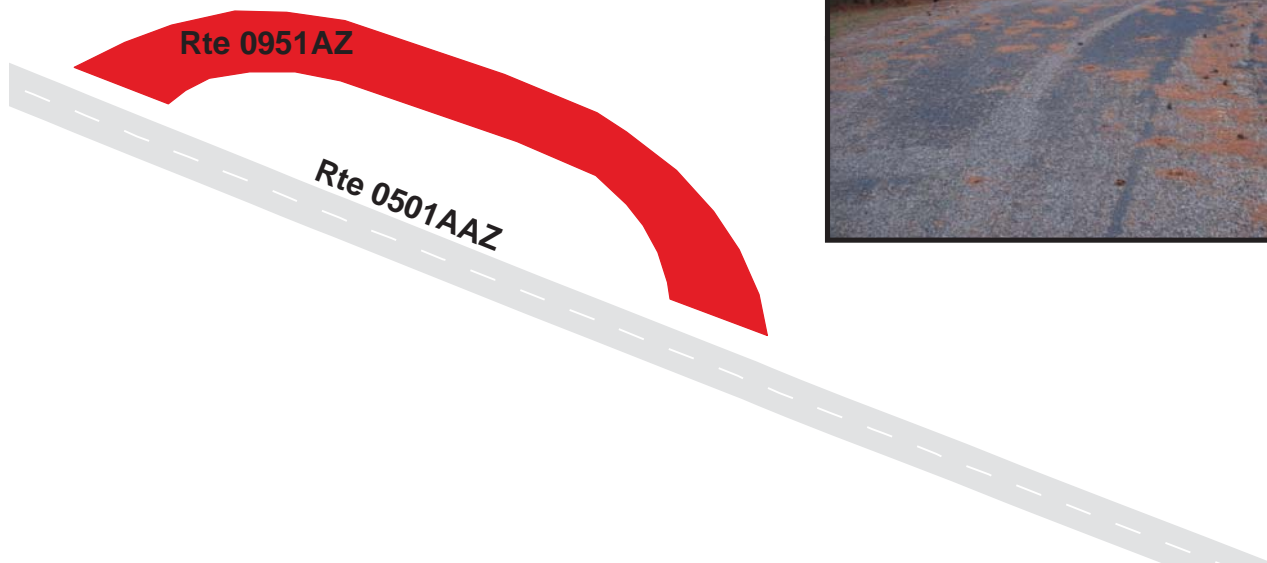
Route 0951AZ

EARLY AFRICAN RESIDENTS PARKING
 FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
 TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0951AZ	PUBLIC	2/9/2013	6,785	0.12	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



COLONIAL NATIONAL HISTORICAL PARK

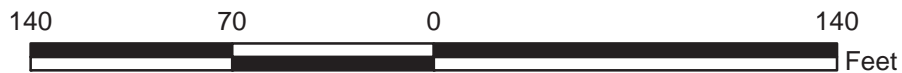
Route 0951BZ

JAMESTOWN ISLAND DRIVE PARKING
 FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
 TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0951BZ	PUBLIC	2/9/2013	5,329	0.09	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



COLONIAL NATIONAL HISTORICAL PARK

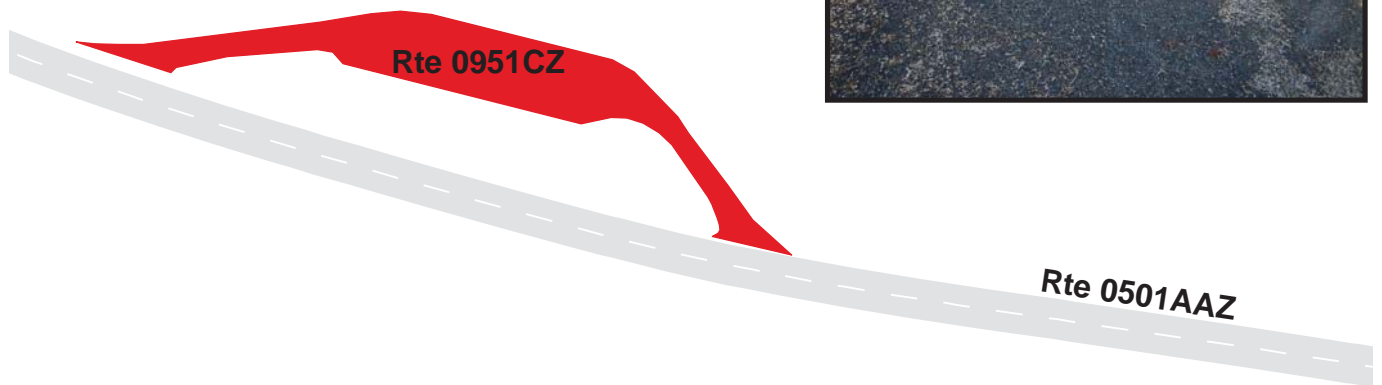
Route 0951CZ

JAMESTOWN DURING THE CIVIL WAR PARKING
 FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
 TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0951CZ	PUBLIC	2/9/2013	4,566	0.08	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

Route 0951DZ

THE CHANGING LAND PARKING
 FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
 TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0951DZ	PUBLIC	2/9/2013	4,682	0.08	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



COLONIAL NATIONAL HISTORICAL PARK

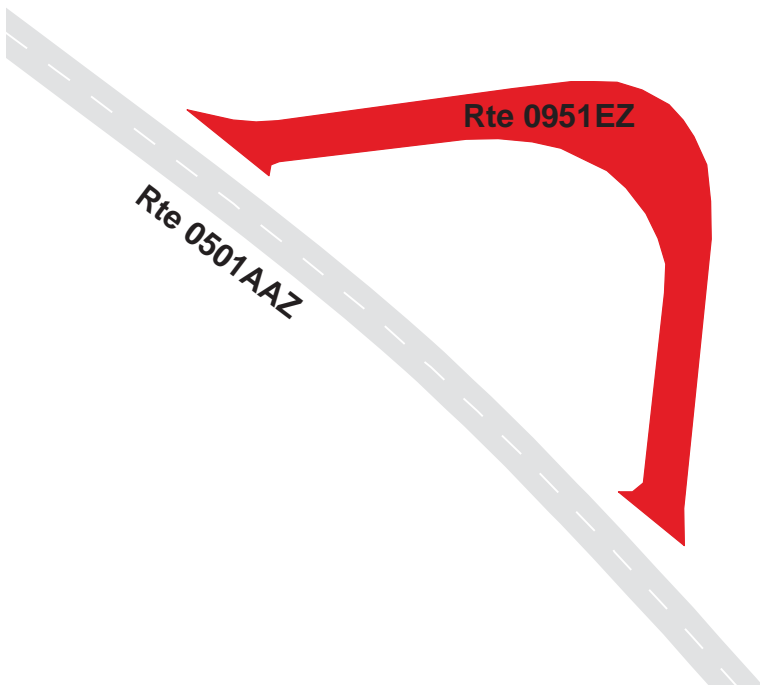
Route 0951EZ

PRECIOUS PLANTS PARKING
 FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
 TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0951EZ	PUBLIC	2/9/2013	4,147	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



COLONIAL NATIONAL HISTORICAL PARK

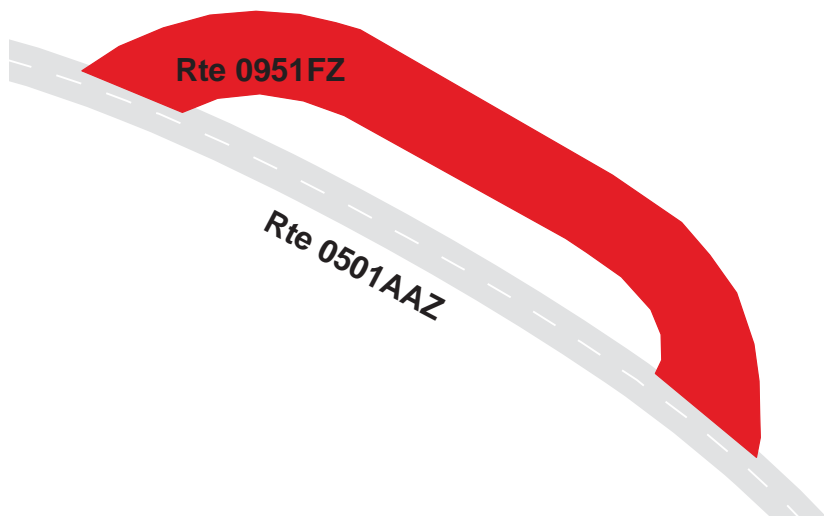
Route 0951FZ

SOILE FIT TO PRODUCE PARKING
 FROM ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
 TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0951FZ	PUBLIC	2/9/2013	6,126	0.11	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



COLONIAL NATIONAL HISTORICAL PARK

Route 0952ZZ

ISLAND DRIVE OUTER LOOP PARKING AREAS

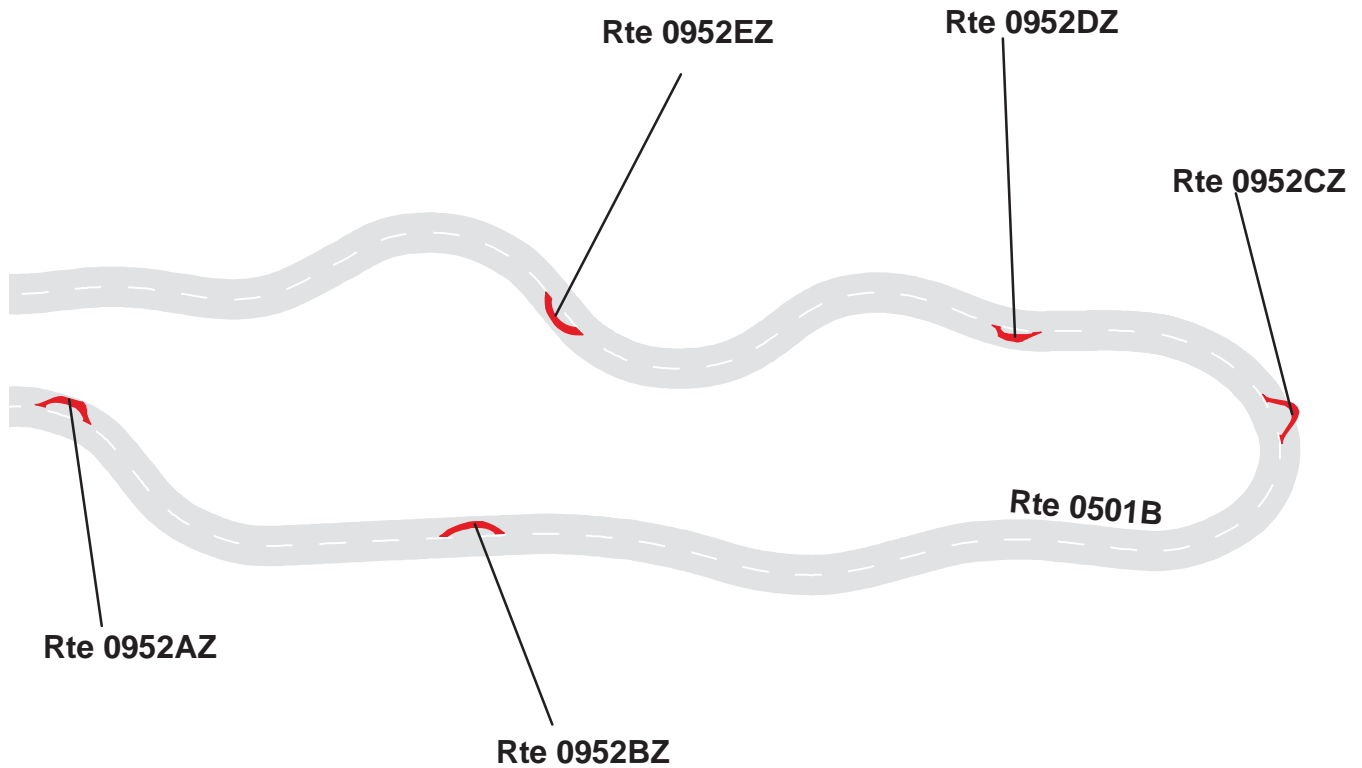
FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP)

TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)

Summary Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0952ZZ	PUBLIC	2/9/2013	29,605	0.51	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
4	0	0	NO CURB AND GUTTER	NO CURB	SUMMARY/51

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

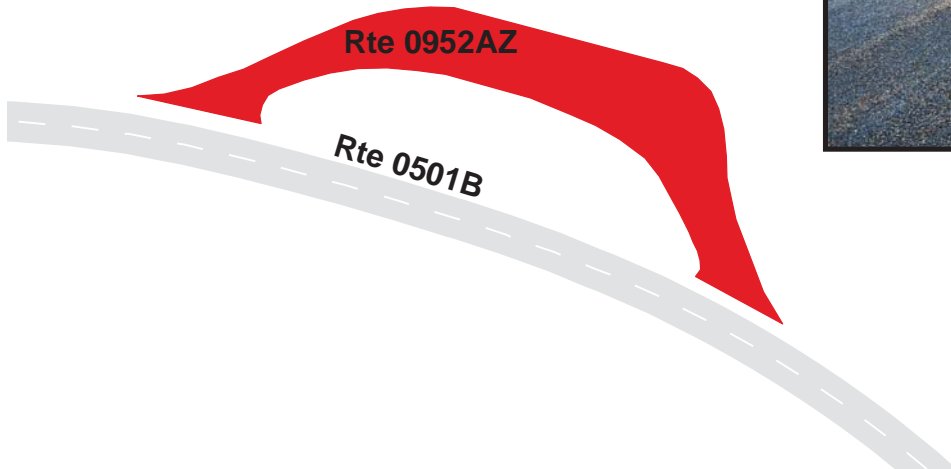
Route 0952AZ

FOOT TRAIL TO BLACK POINT PARKING
 FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP)
 TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0952AZ	PUBLIC	2/9/2013	6,389	0.11	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
1	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

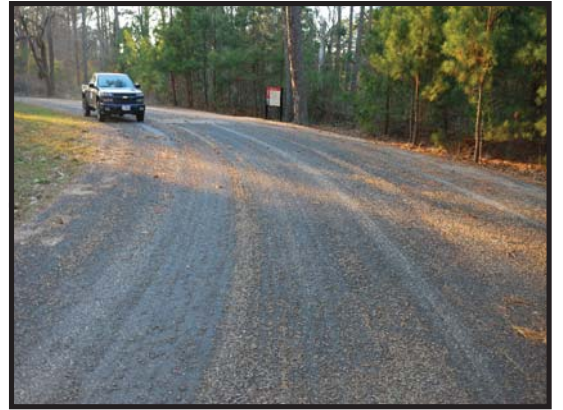
Route 0952BZ

AN ANCIENT PLANTER PARKING
 FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP)
 TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0952BZ	PUBLIC	2/9/2013	6,488	0.11	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
1	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

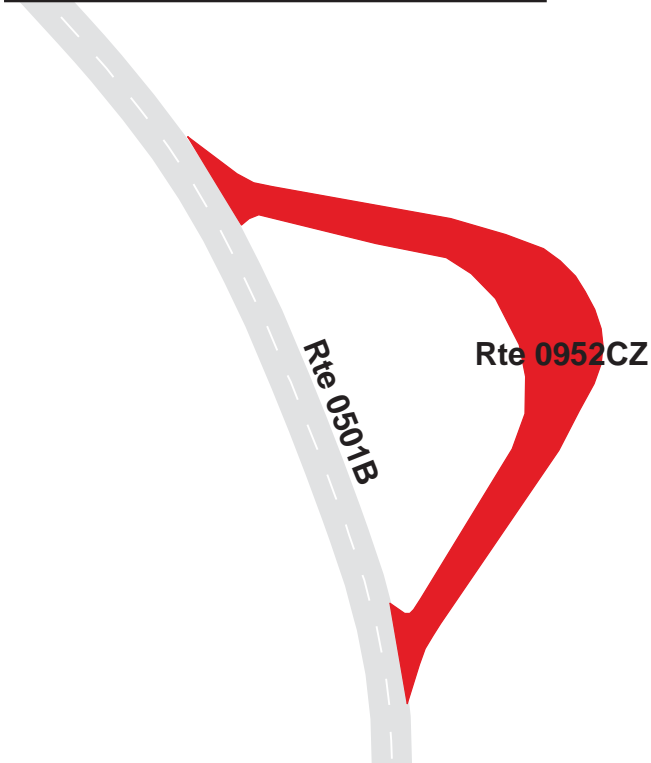
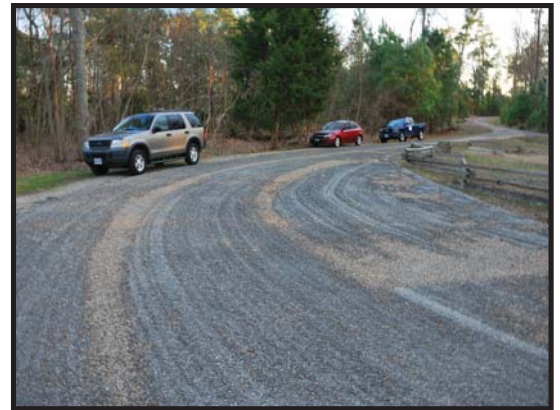
Route 0952CZ

THE TRAVIS ESTATE PARKING
 FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP)
 TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0952CZ	PUBLIC	2/9/2013	5,281	0.09	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
1	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

Route 0952DZ

FENCES AND DITCHES PARKING
 FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP)
 TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0952DZ	PUBLIC	2/9/2013	4,536	0.08	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



COLONIAL NATIONAL HISTORICAL PARK

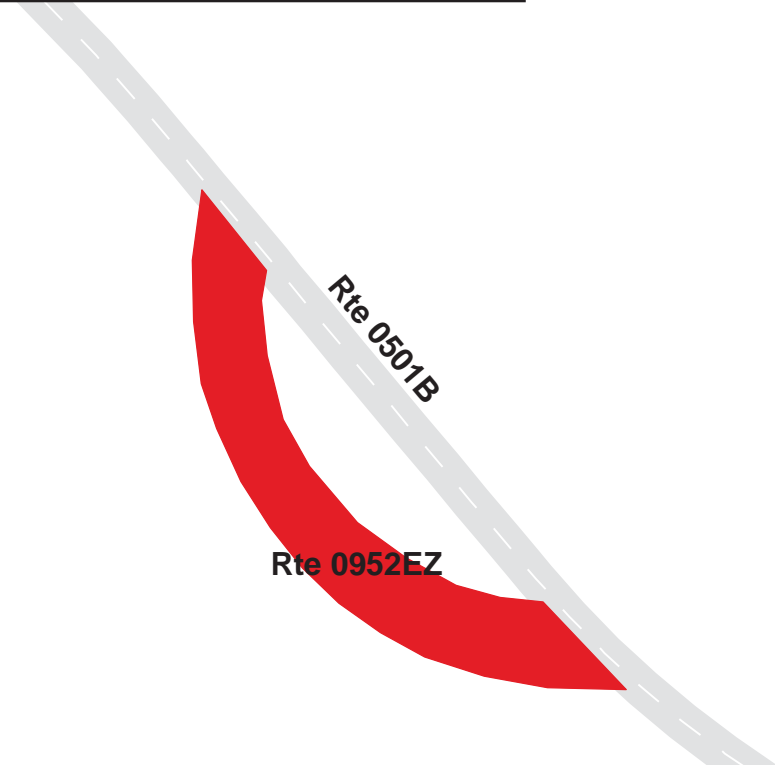
Route 0952EZ

THE ISLAND HOUSE / PLANTS FROM THE PAST PARKING
 FROM ROUTE 0501B (ISLAND DRIVE EAST LOOP)
 TO ROUTE 0501B (ISLAND DRIVE EAST LOOP)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0952EZ	PUBLIC	2/9/2013	6,911	0.12	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
1	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



Section 8

Route Maintenance Features Summaries



Colonial National Historical Park



Federal Lands Highway
Road Inventory Program

COLO: DCV ROUTE MAINTENANCE FEATURES SUMMARY

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

FEATURE	ROUTE 0001 COLONIAL PARKWAY	ROUTE 0100 UNTOUCHED REDOUBT ROAD	ROUTE 0102ZZ SURRENDER FIELD ROADS	ROUTE 0104 MOORE HOUSE ACCESS ROAD	ROUTE 0113 NORTH ENGLAND STREET ACCESS ROAD	ROUTE 0224ZZ WASHINGTON'S HEADQUARTERS ROADS	UNIT
BRIDGE	15	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	1	1	0	0	0	EACH
CURB	26,792	69	232	0	638	348	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GATE	2	1	1	0	0	0	EACH
GUARD/GUIDE RAIL	20,667	0	0	0	0	0	LINEAR FEET
CABLE	0	0	0	0	0	0	LINEAR FEET
NON-CABLE	20,667	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	2,575	0	0	0	0	0	LINEAR FEET
BOLLARD	322	0	0	0	0	0	LINEAR FEET
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
NON TEMP/BOLLARD	2,253	0	0	0	0	0	LINEAR FEET
INTERSECTION	105	7	14	7	4	10	EACH
LOW WATER CROSSING	0	0	0	0	0	1	EACH
LOW WATER CROSSING	0	0	0	0	0	63	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERPASS	11	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	11,389	0	0	0	0	338	LINEAR FEET
PULLOUT	3	0	0	0	0	0	EACH
PULLOUT	402	0	0	0	0	0	LINEAR FEET
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	11	0	0	0	0	0	EACH
RETAINING WALL	455	0	0	0	0	0	LINEAR FEET
SIGN	450	5	8	7	7	9	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	1	0	0	0	0	0	EACH
TUNNEL	1,177	0	0	0	0	0	LINEAR FEET

COLO: DCV ROUTE MAINTENANCE FEATURES SUMMARY

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

FEATURE	ROUTE 0501AZZ ISLAND DRIVE WEST LOOP ROADS	ROUTE 0501B ISLAND DRIVE EAST LOOP	UNIT
BRIDGE	2	2	EACH
CATTLE GUARD	0	0	EACH
CULVERT	5	4	EACH
CURB	0	0	LINEAR FEET
DROP INLET	0	0	EACH
GATE	0	0	EACH
GUARD/GUIDE RAIL	1,579	1,246	LINEAR FEET
CABLE	0	0	LINEAR FEET
NON-CABLE	1,579	1,246	LINEAR FEET
GUARD/GUIDE WALL	0	0	LINEAR FEET
BOLLARD	0	0	LINEAR FEET
TEMPORARY BARRIER	0	0	LINEAR FEET
NON TEMP/BOLLARD	0	0	LINEAR FEET
INTERSECTION	26	14	EACH
LOW WATER CROSSING	0	0	EACH
LOW WATER CROSSING	0	0	LINEAR FEET
MILE MARKER	0	0	EACH
OVERPASS	0	0	EACH
PARK BOUNDARY	0	0	EACH
PAVED DITCH	0	0	LINEAR FEET
PULLOUT	8	3	EACH
PULLOUT	983	252	LINEAR FEET
RAILROAD CROSSING	0	0	EACH
RETAINING WALL	0	0	EACH
RETAINING WALL	0	0	LINEAR FEET
SIGN	9	2	EACH
STATE BOUNDARY	0	0	EACH
TRAFFIC LIGHT	0	0	EACH
TUNNEL	0	0	EACH
TUNNEL	0	0	LINEAR FEET

COLO: STRUCTURE LIST

ROUTE NUMBER	FUNCTIONAL CLASS	MILEPOST START	MILEPOST END	FEATURE	STRUCTURE NUMBER
0001	1	0.430	0.481	BRIDGE	4290-005
0001	1	0.593	0.616	BRIDGE	4290-006
0001	1	1.574	1.574	OVERPASS	4290-007
0001	1	2.418	2.436	BRIDGE	4290-009
0001	1	3.033	3.060	BRIDGE	4290-008
0001	1	4.346	4.380	BRIDGE	4290-010
0001	1	5.966	6.020	BRIDGE	4290-011
0001	1	7.090	7.205	BRIDGE	4290-012
0001	1	8.478	8.508	BRIDGE	4290-013
0001	1	11.130	11.147	BRIDGE	4290-014
0001	1	11.874	11.874	OVERPASS	4290-016
0001	1	12.151	12.151	OVERPASS	4290-018
0001	1	12.747	12.747	OVERPASS	4290-034
0001	1	12.757	12.757	OVERPASS	4290-019
0001	1	12.923	13.146	TUNNEL	4290-033
0001	1	13.376	13.376	OVERPASS	4290-020
0001	1	15.567	15.726	BRIDGE	4290-022
0001	1	16.252	16.268	BRIDGE	4290-023
0001	1	19.310	19.319	BRIDGE	4290-024
0001	1	21.239	21.378	BRIDGE	4290-025
0001	1	22.283	22.293	BRIDGE	4290-026
0501AAZ	1	0.313	0.332	BRIDGE	4290-028
0501AAZ	1	1.696	1.828	BRIDGE	4290-031
0501B	1	1.183	1.258	BRIDGE	4290-029
0501B	1	1.865	1.906	BRIDGE	4290-030

Section 9
Route Maintenance Features
Road Logs



Colonial National Historical Park



Federal Lands Highway
Road Inventory Program

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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 0901 (YORKTOWN VISITOR CENTER PARKING)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0901 (YORKTOWN VISITOR CENTER PARKING)
0.000	0.000	INTERSECTION	N/A	ROUTE 0901 (YORKTOWN VISITOR CENTER PARKING)
0.056	0.056	SIGN	LEFT	GUIDE, ENTRANCE FEE
0.056	0.056	SIGN	LEFT	GUIDE, ENTRANCE FEE
0.062	0.096	PULLOUT	LEFT	N/A
0.073	0.073	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.076	0.076	INTERSECTION	RIGHT	UNPAVED ROUTE (GATED)
0.080	0.080	SIGN	RIGHT	GUIDE, HISTORICAL PARK
0.107	0.107	SIGN	RIGHT	GUIDE, HISTORIC YORKTOWN HISTORIC MAIN STREET RIVERWALK LANDING COLONIAL PARKWAY
0.111	0.111	GATE	N/A	N/A
0.112	0.112	SIGN	LEFT	GUIDE, NATIONAL PARK SERVICE
0.112	0.112	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.120	0.120	INTERSECTION	RIGHT	PAVED SPUR
0.125	0.125	SIGN	RIGHT	GUIDE, VICTORY MONUMENT
0.133	0.133	SIGN	LEFT	REGULATORY, SPEED LIMIT 15
0.150	0.150	SIGN	LEFT	GUIDE, YORKTOWN VISITOR CENTER PARK HEADQUARTES
0.152	0.152	SIGN	RIGHT	GUIDE, HISTORICAL TOUR
0.153	0.153	SIGN	RIGHT	REGULATORY, STOP
0.160	0.160	SIGN	LEFT	GUIDE, YORKTOWN VISITOR CENTER
0.170	0.170	INTERSECTION	LEFT	PAVED ROUTE (STATE ROTUE 238/BALLARD STREET/NON NPS)
0.170	0.170	INTERSECTION	RIGHT	PAVED ROUTE (STATE ROTUE 238/BALLARD STREET/NON NPS)
0.175	0.175	SIGN	LEFT	REGULATORY, STOP
0.182	0.242	PAVED DITCH	RIGHT	N/A
0.182	0.258	CURB	RIGHT	N/A
0.187	0.187	SIGN	RIGHT	GUIDE, NO COMMERCIAL VEHICLES
0.192	0.192	SIGN	LEFT	GUIDE, HISTORIC YORKTOWN BATTLEFIELD VISITOR CENTER MAIN STREET & WATERFRONT COAST GRAND TRAINING CENTER
0.202	0.202	SIGN	RIGHT	GUIDE, COLONIAL PARKWAY WILLIAMSBURG JAMESTOWN

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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
0.263	0.263	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.270	0.270	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.302	0.302	SIGN	RIGHT	REGULATORY, DO NOT PASS
0.305	0.426	CURB	LEFT	N/A
0.320	0.374	PAVED DITCH	LEFT	N/A
0.327	0.327	SIGN	RIGHT	WARNING, SINGLE FILE
0.406	0.406	SIGN	LEFT	GUIDE, YORKTOWN BATTLEFIELD
0.417	0.431	GUARD/GUIDE RAIL	LEFT	N/A
0.420	0.431	GUARD/GUIDE RAIL	RIGHT	N/A
0.430	0.481	BRIDGE	N/A	4290-005 (YORKTOWN CREEK BRIDGE)
0.430	0.484	CURB	LEFT	N/A
0.431	0.487	CURB	RIGHT	N/A
0.431	0.487	GUARD/GUIDE WALL	RIGHT	N/A
0.431	0.486	GUARD/GUIDE WALL	LEFT	N/A
0.486	0.495	GUARD/GUIDE RAIL	LEFT	N/A
0.487	0.496	GUARD/GUIDE RAIL	RIGHT	N/A
0.501	0.501	SIGN	LEFT	WARNING, DO NOT PASS
0.503	0.503	SIGN	RIGHT	REGULATORY, DO NOT PASS
0.511	0.511	SIGN	RIGHT	GUIDE, US. ROUTE 17 NORTH-SOUTH NEXT RIGHT
0.512	0.512	SIGN	LEFT	REGULATORY, SPEED LIMIT 35
0.512	0.512	SIGN	LEFT	REGULATORY, DO NOT PASS
0.521	0.521	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.525	0.525	INTERSECTION	LEFT	ROUTE 0105B (US ROUTE 17 ACCESS ROAD B)
0.525	0.583	GUARD/GUIDE RAIL	RIGHT	N/A
0.526	0.526	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.527	0.541	CURB	LEFT	N/A
0.529	0.529	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.535	0.535	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
0.551	0.551	INTERSECTION	LEFT	PAVED SPUR
0.557	0.586	GUARD/GUIDE RAIL	LEFT	N/A

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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
0.583	0.622	GUARD/GUIDE WALL	RIGHT	N/A
0.583	0.583	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.584	0.584	SIGN	LEFT	GUIDE, U.S. ROUTE 17 NORTH-SOUTH
0.584	0.620	CURB	LEFT	N/A
0.584	0.620	CURB	RIGHT	N/A
0.586	0.622	GUARD/GUIDE WALL	LEFT	N/A
0.587	0.587	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.593	0.616	BRIDGE	N/A	4290-006 (U.S. ROUTE 17 PARKWAY BRIDGE)
0.622	0.728	GUARD/GUIDE RAIL	RIGHT	N/A
0.622	0.710	GUARD/GUIDE RAIL	LEFT	N/A
0.623	0.623	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.623	0.623	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.710	0.710	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.731	0.731	INTERSECTION	RIGHT	ROUTE 0105A (US ROUTE 17 ACCESS ROAD A)
0.738	0.754	CURB	RIGHT	N/A
0.742	0.742	SIGN	RIGHT	GUIDE, US. ROUTE 17 NORTH-SOUTH
0.745	0.745	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.754	0.754	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.754	0.754	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.763	0.763	INTERSECTION	RIGHT	PAVED SPUR
0.764	0.764	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.770	0.770	SIGN	LEFT	GUIDE, US. ROUTE 17 NORTH-SOUTH NEXT RIGHT
0.796	0.796	SIGN	RIGHT	REGULATORY, DO NOT PASS
0.819	0.819	SIGN	LEFT	REGULATORY, SPEED LIMIT 35
0.829	0.829	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
0.831	0.831	SIGN	RIGHT	GUIDE, COLONIAL PARKWAY
0.831	0.831	SIGN	RIGHT	GUIDE, NATIONAL PARK SERVICE
0.933	0.933	SIGN	LEFT	WARNING, SPEED LIMIT 35
1.045	1.045	SIGN	LEFT	REGULATORY, DO NOT PASS
1.220	1.423	PAVED DITCH	LEFT	N/A

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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
1.234	1.448	PAVED DITCH	RIGHT	N/A
1.315	1.315	SIGN	RIGHT	REGULATORY, DO NOT PASS
1.426	1.510	GUARD/GUIDE RAIL	LEFT	N/A
1.442	1.518	GUARD/GUIDE RAIL	RIGHT	N/A
1.474	1.474	SIGN	LEFT	REGULATORY, PASS WITH CARE
1.530	1.658	PAVED DITCH	LEFT	N/A
1.532	1.532	SIGN	RIGHT	GUIDE, HISTORIC JAMESTOWN
1.543	1.623	PAVED DITCH	RIGHT	N/A
1.554	1.554	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
1.562	1.562	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
1.574	1.574	OVERPASS	N/A	4290-007 (OLD WILLIAMSBURG ROAD BRIDGE)
1.592	1.592	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
1.592	1.592	SIGN	RIGHT	GUIDE, GRAPHIC SIGN NO TEXT
1.616	1.616	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
1.624	1.636	GUARD/GUIDE WALL	RIGHT	N/A
1.637	1.637	INTERSECTION	RIGHT	ROUTE 0106 (FUSILIER'S ROAD)
1.672	1.672	SIGN	RIGHT	REGULATORY, DO NOT PASS
1.687	1.687	SIGN	LEFT	GUIDE, YORKTOWN BATTLEFIELD
1.687	1.687	SIGN	LEFT	GUIDE, COLONIAL NATIONAL HISTORICAL PARK VISITOR CENTER
1.696	1.696	SIGN	RIGHT	GUIDE, COLONIAL PARKWAY WILLIAMSBURG 11 MI. 18 KM. JAMESTOWN 21 MI. 34 KM.
1.719	1.719	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
1.735	1.735	SIGN	LEFT	GUIDE, GRAPHIC SIGN NO TEXT
1.735	1.735	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
1.761	1.761	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
1.768	1.768	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
1.808	1.808	SIGN	LEFT	WARNING, DO NOT PASS
1.808	1.808	SIGN	LEFT	REGULATORY, DO NOT PASS
1.809	1.809	SIGN	RIGHT	REGULATORY, DO NOT PASS
1.907	1.964	CURB	LEFT	N/A

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.967	1.967	SIGN	LEFT	REGULATORY, DO NOT PASS
1.967	1.967	SIGN	LEFT	WARNING, DO NOT PASS
1.968	1.968	SIGN	RIGHT	REGULATORY, DO NOT PASS
2.032	2.032	INTERSECTION	LEFT	PAVED ROUTE (NON-NPS)
2.197	2.334	GUARD/GUIDE RAIL	RIGHT	N/A
2.252	2.252	SIGN	LEFT	REGULATORY, DO NOT PASS
2.252	2.252	SIGN	LEFT	WARNING, DO NOT PASS
2.253	2.253	SIGN	RIGHT	REGULATORY, DO NOT PASS
2.257	2.308	GUARD/GUIDE RAIL	LEFT	N/A
2.387	2.387	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
2.389	2.419	GUARD/GUIDE RAIL	LEFT	N/A
2.393	2.393	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
2.393	2.413	GUARD/GUIDE RAIL	RIGHT	N/A
2.413	2.435	GUARD/GUIDE WALL	RIGHT	N/A
2.413	2.435	CURB	RIGHT	N/A
2.418	2.436	BRIDGE	N/A	4290-009 (MINE DEPOT OVERPASS)
2.419	2.438	CURB	LEFT	N/A
2.419	2.438	GUARD/GUIDE WALL	LEFT	N/A
2.435	2.452	GUARD/GUIDE RAIL	RIGHT	N/A
2.438	2.494	GUARD/GUIDE RAIL	LEFT	N/A
2.453	2.453	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
2.493	2.493	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
2.539	2.561	GUARD/GUIDE WALL	RIGHT	N/A
2.658	2.658	SIGN	RIGHT	REGULATORY, DO NOT PASS
2.660	2.660	SIGN	LEFT	WARNING, DO NOT PASS
2.660	2.660	SIGN	LEFT	REGULATORY, DO NOT PASS
2.845	2.885	GUARD/GUIDE RAIL	LEFT	N/A
2.872	2.882	GUARD/GUIDE RAIL	RIGHT	N/A
2.879	2.879	SIGN	RIGHT	GUIDE, BRACKENS POND

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.882	2.891	BRIDGE	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE
2.882	2.889	GUARD/GUIDE WALL	RIGHT	N/A
2.885	2.893	GUARD/GUIDE WALL	LEFT	N/A
2.889	2.917	GUARD/GUIDE RAIL	RIGHT	N/A
2.893	2.893	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
2.893	2.926	GUARD/GUIDE RAIL	RIGHT	N/A
2.916	2.916	SIGN	RIGHT	REGULATORY, DO NOT PASS
2.917	2.917	SIGN	LEFT	REGULATORY, DO NOT PASS
2.917	2.917	SIGN	LEFT	WARNING, DO NOT PASS
2.942	2.942	INTERSECTION	RIGHT	ROUTE 0906 (NAVAL WEAPONS STATION PARKING)
2.981	2.981	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
2.983	3.034	GUARD/GUIDE RAIL	LEFT	N/A
2.983	2.983	INTERSECTION	RIGHT	ROUTE 0906 (NAVAL WEAPONS STATION PARKING)
2.987	2.987	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
2.987	3.034	GUARD/GUIDE RAIL	RIGHT	N/A
3.033	3.060	BRIDGE	N/A	4290-008 (NORTH PIER NAVAL ACCESS ROAD BRIDGE)
3.034	3.060	GUARD/GUIDE WALL	RIGHT	N/A
3.034	3.057	CURB	LEFT	N/A
3.034	3.058	GUARD/GUIDE WALL	LEFT	N/A
3.035	3.059	CURB	RIGHT	N/A
3.058	3.066	GUARD/GUIDE RAIL	LEFT	N/A
3.060	3.087	GUARD/GUIDE RAIL	RIGHT	N/A
3.067	3.067	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
3.077	3.077	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
3.088	3.088	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
3.132	3.302	GUARD/GUIDE RAIL	RIGHT	N/A
3.152	3.284	CURB	LEFT	N/A
3.331	3.331	SIGN	RIGHT	REGULATORY, DO NOT PASS
3.331	3.331	SIGN	LEFT	REGULATORY, DO NOT PASS

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.331	3.331	SIGN	LEFT	WARNING, DO NOT PASS
3.332	3.332	SIGN	RIGHT	REGULATORY, DO NOT PASS
3.376	3.376	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
3.388	3.388	INTERSECTION	RIGHT	ROUTE 0907 (YORKTOWN RIVER OVERLOOK)
3.432	3.432	INTERSECTION	RIGHT	ROUTE 0907 (YORKTOWN RIVER OVERLOOK)
3.652	3.652	SIGN	RIGHT	REGULATORY, PASS WITH CARE
3.654	3.654	SIGN	LEFT	REGULATORY, DO NOT PASS
3.680	3.680	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
3.680	3.680	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
3.899	3.899	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
4.096	4.096	SIGN	LEFT	REGULATORY, DO NOT PASS
4.096	4.096	SIGN	RIGHT	REGULATORY, DO NOT PASS
4.147	4.147	INTERSECTION	RIGHT	ROUTE 0908 (POWHATAN VILLAGE)
4.170	4.170	SIGN	RIGHT	GUIDE, GRAPHIC SIGN NO TEXT
4.193	4.193	INTERSECTION	RIGHT	ROUTE 0908 (POWHATAN VILLAGE)
4.262	4.262	INTERSECTION	LEFT	ROUTE 0909 (INDIAN FIELD CREEK PARKING)
4.281	4.281	SIGN	RIGHT	GUIDE, GRAPHIC SIGN NO TEXT
4.306	4.306	INTERSECTION	LEFT	ROUTE 0909 (INDIAN FIELD CREEK PARKING)
4.311	4.341	CURB	LEFT	N/A
4.333	4.333	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
4.334	4.346	GUARD/GUIDE RAIL	LEFT	N/A
4.334	4.334	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
4.334	4.345	GUARD/GUIDE RAIL	RIGHT	N/A
4.341	4.341	SIGN	RIGHT	REGULATORY, NO FISHING FROM BRIDGE
4.341	4.341	SIGN	RIGHT	GUIDE, INDIAN FIELD CREEK
4.345	4.381	GUARD/GUIDE RAIL	RIGHT	N/A
4.346	4.380	BRIDGE	N/A	4290-010 (INDIAN FIELD CREEK BRIDGE)
4.346	4.382	GUARD/GUIDE RAIL	LEFT	N/A
4.381	4.393	GUARD/GUIDE RAIL	RIGHT	N/A
4.382	4.382	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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
4.382	4.393	GUARD/GUIDE RAIL	LEFT	N/A
4.382	4.382	SIGN	LEFT	GUIDE, INDIAN FIELD CREEK
4.390	4.390	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
4.396	4.396	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
4.396	4.396	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
4.402	4.402	SIGN	RIGHT	GUIDE, GRAPHIC SIGN NO TEXT
4.472	4.472	SIGN	LEFT	REGULATORY, DO NOT PASS
4.472	4.472	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
4.541	4.541	SIGN	RIGHT	REGULATORY, PASS WITH CARE
5.230	5.230	INTERSECTION	LEFT	PAVED ROUTE (GATED)
5.539	5.539	SIGN	LEFT	REGULATORY, DO NOT PASS
5.539	5.539	SIGN	RIGHT	REGULATORY, DO NOT PASS
5.619	5.619	INTERSECTION	RIGHT	ROUTE 0910 (CHEATHAM ANNEX PARKING)
5.664	5.664	INTERSECTION	RIGHT	ROUTE 0910 (CHEATHAM ANNEX PARKING)
5.697	5.697	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
5.824	5.824	SIGN	LEFT	WARNING, DO NOT PASS
5.824	5.824	SIGN	LEFT	REGULATORY, DO NOT PASS
5.825	5.825	SIGN	RIGHT	REGULATORY, DO NOT PASS
5.840	5.840	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
5.862	5.862	INTERSECTION	RIGHT	ROUTE 0911 (FELGEATS CREEK PLANTATION PARKING)
5.888	5.888	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
5.925	5.925	INTERSECTION	RIGHT	ROUTE 0911 (FELGEATS CREEK PLANTATION PARKING)
5.951	5.951	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
5.951	5.967	GUARD/GUIDE RAIL	RIGHT	N/A
5.952	5.962	GUARD/GUIDE RAIL	LEFT	N/A
5.953	5.953	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
5.959	5.959	SIGN	RIGHT	REGULATORY, NO FISHING FROM BRIDGE
5.959	5.959	SIGN	RIGHT	GUIDE, FELGATES CREEK
5.962	6.020	GUARD/GUIDE RAIL	LEFT	N/A
5.966	6.020	BRIDGE	N/A	4290-011 (FELGATE'S CREEK BRIDGE)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
5.967	6.022	GUARD/GUIDE RAIL	RIGHT	N/A
6.020	6.033	GUARD/GUIDE RAIL	LEFT	N/A
6.022	6.035	GUARD/GUIDE RAIL	RIGHT	N/A
6.026	6.026	SIGN	LEFT	GUIDE, FELGATES CREEK
6.026	6.026	SIGN	LEFT	REGULATORY, NO FISHING FROM BRIDGE
6.027	6.271	CURB	LEFT	N/A
6.032	6.032	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
6.050	6.050	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
6.086	6.086	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
6.126	6.126	SIGN	LEFT	REGULATORY, DO NOT PASS
6.126	6.126	SIGN	LEFT	WARNING, DO NOT PASS
6.128	6.128	SIGN	RIGHT	REGULATORY, DO NOT PASS
6.169	6.169	INTERSECTION	RIGHT	PAVED ROUTE (GATED)
6.296	6.296	SIGN	RIGHT	REGULATORY, DO NOT PASS
6.298	6.298	SIGN	LEFT	REGULATORY, DO NOT PASS
6.298	6.298	SIGN	LEFT	WARNING, DO NOT PASS
6.346	6.501	CURB	RIGHT	N/A
6.577	6.599	GUARD/GUIDE RAIL	LEFT	N/A
6.796	6.796	INTERSECTION	RIGHT	PAVED ROUTE (GATED)
6.851	6.851	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
6.953	6.990	GUARD/GUIDE RAIL	LEFT	N/A
7.022	7.022	SIGN	RIGHT	REGULATORY, DO NOT PASS
7.023	7.023	SIGN	LEFT	WARNING, DO NOT PASS
7.023	7.023	SIGN	LEFT	REGULATORY, DO NOT PASS
7.069	7.083	GUARD/GUIDE RAIL	RIGHT	N/A
7.074	7.087	GUARD/GUIDE RAIL	LEFT	N/A
7.079	7.079	SIGN	RIGHT	GUIDE, KINGS CREEK
7.083	7.211	GUARD/GUIDE RAIL	RIGHT	N/A
7.087	7.209	GUARD/GUIDE RAIL	LEFT	N/A
7.090	7.205	BRIDGE	N/A	4290-012 (KINGS CREEK BRIDGE)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
7.209	7.225	GUARD/GUIDE RAIL	RIGHT	N/A
7.211	7.229	GUARD/GUIDE RAIL	RIGHT	N/A
7.214	7.214	SIGN	LEFT	GUIDE, KINGS CREEK
7.237	7.237	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
7.271	7.271	SIGN	LEFT	REGULATORY, DO NOT PASS
7.271	7.271	SIGN	LEFT	WARNING, DO NOT PASS
7.271	7.271	SIGN	RIGHT	REGULATORY, DO NOT PASS
7.358	7.358	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
7.361	7.470	CURB	LEFT	N/A
7.518	7.625	CURB	RIGHT	N/A
7.691	7.691	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
7.783	7.783	SIGN	LEFT	REGULATORY, DO NOT PASS
7.784	7.784	SIGN	RIGHT	REGULATORY, DO NOT PASS
8.150	8.229	PAVED DITCH	LEFT	N/A
8.233	8.233	SIGN	LEFT	REGULATORY, PASS WITH CARE
8.234	8.234	SIGN	RIGHT	REGULATORY, DO NOT PASS
8.255	8.297	CURB	RIGHT	N/A
8.261	8.261	SIGN	RIGHT	GUIDE, RT.199 WEST
8.261	8.261	SIGN	RIGHT	GUIDE, U.S. NAVY CHEATHAM ANNEX
8.298	8.298	INTERSECTION	RIGHT	ROUTE 0107A (CHEATHAM ANNEX ACCESS ROAD A)
8.306	8.321	CURB	RIGHT	N/A
8.308	8.308	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
8.321	8.321	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
8.322	8.322	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
8.325	8.325	SIGN	RIGHT	REGULATORY, YIELD
8.327	8.327	INTERSECTION	RIGHT	PAVED SPUR
8.328	8.330	CURB	RIGHT	N/A
8.425	8.425	INTERSECTION	LEFT	ROUTE 0107B (CHEATHAM ANNEX ACCESS ROAD B)
8.425	8.440	CURB	LEFT	N/A
8.427	8.427	SIGN	LEFT	REGULATORY, DO NOT ENTER

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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
8.439	8.439	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
8.452	8.452	INTERSECTION	LEFT	PAVED SPUR
8.459	8.459	SIGN	RIGHT	GUIDE, PARK IN DESIGNATED AREAS ONLY
8.460	8.470	GUARD/GUIDE RAIL	RIGHT	N/A
8.462	8.462	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
8.462	8.462	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
8.464	8.477	GUARD/GUIDE RAIL	LEFT	N/A
8.470	8.509	GUARD/GUIDE WALL	RIGHT	N/A
8.471	8.509	CURB	RIGHT	N/A
8.477	8.513	GUARD/GUIDE WALL	LEFT	N/A
8.477	8.512	CURB	LEFT	N/A
8.478	8.508	BRIDGE	N/A	4290-013 (PENNIMAN ROAD BRIDGE)
8.509	8.519	GUARD/GUIDE RAIL	RIGHT	N/A
8.513	8.522	GUARD/GUIDE RAIL	RIGHT	N/A
8.519	8.519	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
8.521	8.521	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
8.566	8.566	SIGN	RIGHT	REGULATORY, DO NOT PASS
8.584	8.584	SIGN	LEFT	GUIDE, US. NAVY CHEATHAM ANNEX
8.584	8.584	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
8.609	8.609	SIGN	LEFT	REGULATORY, DO NOT PASS
8.614	8.614	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
8.807	8.807	SIGN	RIGHT	REGULATORY, DO NOT PASS
8.808	8.808	SIGN	LEFT	REGULATORY, DO NOT PASS
8.808	8.808	SIGN	LEFT	WARNING, DO NOT PASS
9.090	9.090	SIGN	RIGHT	REGULATORY, DO NOT PASS
9.090	9.090	SIGN	LEFT	REGULATORY, DO NOT PASS
9.090	9.090	SIGN	LEFT	WARNING, DO NOT PASS
9.189	9.264	CURB	RIGHT	N/A
9.226	9.226	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
9.247	9.247	INTERSECTION	LEFT	ROUTE 0912 (JONES MILL PARKING)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
9.269	9.375	GUARD/GUIDE RAIL	RIGHT	N/A
9.276	9.276	INTERSECTION	LEFT	ROUTE 0912 (JONES MILL PARKING)
9.279	9.309	GUARD/GUIDE RAIL	LEFT	N/A
9.309	9.317	GUARD/GUIDE WALL	LEFT	N/A
9.317	9.374	GUARD/GUIDE RAIL	LEFT	N/A
9.492	9.602	CURB	LEFT	N/A
9.652	9.652	SIGN	RIGHT	REGULATORY, DO NOT PASS
9.653	9.653	SIGN	LEFT	REGULATORY, DO NOT PASS
9.653	9.653	SIGN	LEFT	WARNING, DO NOT PASS
10.085	10.085	SIGN	LEFT	REGULATORY, DO NOT PASS
10.085	10.085	SIGN	LEFT	WARNING, DO NOT PASS
10.086	10.086	SIGN	RIGHT	REGULATORY, DO NOT PASS
10.125	10.365	CURB	LEFT	N/A
10.420	10.466	PAVED DITCH	RIGHT	N/A
10.443	10.538	CURB	RIGHT	N/A
10.572	10.668	CURB	RIGHT	N/A
10.576	10.576	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (I-64 NORTHBOUND)
10.607	10.607	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (I-64 SOUTHBOUND)
10.710	10.710	SIGN	LEFT	REGULATORY, DO NOT PASS
10.905	10.905	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
10.964	10.964	SIGN	RIGHT	REGULATORY, DO NOT PASS
10.966	10.966	SIGN	LEFT	REGULATORY, DO NOT PASS
10.966	10.966	SIGN	LEFT	WARNING, DO NOT PASS
11.061	11.061	INTERSECTION	LEFT	PAVED SPUR
11.064	11.092	CURB	LEFT	N/A
11.065	11.065	SIGN	LEFT	REGULATORY, DO NOT ENTER
11.080	11.080	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
11.082	11.082	SIGN	RIGHT	GUIDE, QUEENS LAKE NEXT RIGHT
11.098	11.098	INTERSECTION	LEFT	ROUTE 0108A (QUEENS LAKE ACCESS A)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
11.101	11.101	SIGN	LEFT	GUIDE, QUEENS LAKE
11.110	11.110	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
11.115	11.125	GUARD/GUIDE RAIL	LEFT	N/A
11.116	11.116	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
11.116	11.125	GUARD/GUIDE RAIL	RIGHT	N/A
11.124	11.150	CURB	LEFT	N/A
11.125	11.151	GUARD/GUIDE WALL	LEFT	N/A
11.125	11.151	GUARD/GUIDE WALL	RIGHT	N/A
11.126	11.149	CURB	RIGHT	N/A
11.130	11.147	BRIDGE	N/A	4290-014 (HUBBARD'S LANE BRIDGE)
11.151	11.158	GUARD/GUIDE RAIL	RIGHT	N/A
11.151	11.156	GUARD/GUIDE RAIL	LEFT	N/A
11.155	11.155	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
11.161	11.161	SIGN	RIGHT	WARNING, UNABLE TO READ FROM VIDEO
11.167	11.167	SIGN	RIGHT	GUIDE, QUEENS LAKE
11.190	11.190	INTERSECTION	RIGHT	ROUTE 0108B (QUEENS LAKE ACCESS B)
11.198	11.216	CURB	RIGHT	N/A
11.201	11.201	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
11.216	11.216	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
11.220	11.220	SIGN	LEFT	GUIDE, QUEENS LAKE NEXT RIGHT
11.223	11.223	INTERSECTION	RIGHT	PAVED SPUR
11.269	11.269	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
11.328	11.328	SIGN	LEFT	REGULATORY, DO NOT PASS
11.328	11.328	SIGN	LEFT	WARNING, DO NOT PASS
11.330	11.330	SIGN	RIGHT	REGULATORY, DO NOT PASS
11.424	11.466	CURB	LEFT	N/A
11.605	11.642	CURB	RIGHT	N/A
11.607	11.607	SIGN	RIGHT	REGULATORY, DO NOT PASS
11.609	11.609	SIGN	LEFT	REGULATORY, DO NOT PASS
11.609	11.609	SIGN	LEFT	WARNING, DO NOT PASS

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
11.644	11.650	RETAINING WALL	LEFT	N/A
11.645	11.650	RETAINING WALL	RIGHT	N/A
11.654	11.654	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (MERIMAC TRAIL STATE ROUTE 143)
11.656	11.662	RETAINING WALL	LEFT	N/A
11.660	11.665	RETAINING WALL	RIGHT	N/A
11.666	11.715	CURB	RIGHT	N/A
11.714	11.714	SIGN	RIGHT	GUIDE, PARKWAY DRIVE
11.765	11.765	INTERSECTION	RIGHT	ROUTE 0109A (PARKWAY DRIVE ACCESS ROAD A)
11.767	11.767	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
11.780	11.800	CURB	RIGHT	N/A
11.783	11.783	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
11.805	11.805	INTERSECTION	RIGHT	PAVED SPUR
11.857	11.857	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
11.874	11.874	OVERPASS	N/A	4290-016 (PARKWAY DRIVE BRIDGE)
11.937	11.937	INTERSECTION	LEFT	PAVED SPUR
11.940	11.961	CURB	LEFT	N/A
11.941	11.941	SIGN	LEFT	REGULATORY, DO NOT ENTER
11.958	11.958	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
11.975	11.975	INTERSECTION	LEFT	ROUTE 0109B (PARKWAY DRIVE ACCESS ROAD B)
12.015	12.015	SIGN	LEFT	GUIDE, PARKWAY DRIVE
12.041	12.041	SIGN	RIGHT	WARNING, SPEED LIMIT 35
12.086	12.086	SIGN	LEFT	REGULATORY, DO NOT PASS
12.086	12.086	SIGN	LEFT	WARNING, DO NOT PASS
12.087	12.087	SIGN	RIGHT	REGULATORY, DO NOT PASS
12.133	12.143	RETAINING WALL	RIGHT	N/A
12.138	12.144	RETAINING WALL	LEFT	N/A
12.141	12.141	SIGN	RIGHT	WARNING, 13' - 0"
12.151	12.151	OVERPASS	N/A	4290-018 (PAGE STREET BRIDGE)
12.154	12.162	RETAINING WALL	LEFT	N/A

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
12.155	12.164	RETAINING WALL	RIGHT	N/A
12.157	12.157	SIGN	LEFT	WARNING, 13' - 6"
12.234	12.250	CURB	LEFT	N/A
12.242	12.242	SIGN	RIGHT	GUIDE, SLOW CONGESTED AREA SPEED LIMIT 35
12.365	12.365	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
12.383	12.383	SIGN	LEFT	REGULATORY, DO NOT PASS
12.444	12.444	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
12.487	12.487	SIGN	LEFT	GUIDE, YORKTOWN 13 MILES 21 KILOMETERS
12.513	12.513	SIGN	RIGHT	GUIDE, 60 31 5
12.513	12.513	SIGN	RIGHT	GUIDE, 64
12.515	12.597	CURB	RIGHT	N/A
12.515	12.534	CURB	LEFT	N/A
12.535	12.535	INTERSECTION	LEFT	ROUTE 0001 (COLONIAL PARKWAY) OPPOSITE LANE
12.535	12.591	CURB	LEFT	N/A
12.546	12.546	SIGN	N/A	REGULATORY, KEEP RIGHT
12.576	12.576	SIGN	RIGHT	GUIDE, COLONIAL WILLIAMBURG VISITOR CENTER
12.576	12.576	SIGN	RIGHT	GUIDE, JAMESTOWN
12.599	12.599	INTERSECTION	LEFT	PAVED ROUTE
12.599	12.599	INTERSECTION	RIGHT	PAVED ROUTE
12.604	12.642	CURB	LEFT	N/A
12.608	12.645	CURB	RIGHT	N/A
12.613	12.613	SIGN	RIGHT	GUIDE, VISITOR CENTER DR
12.648	12.648	INTERSECTION	LEFT	PAVED ROUTE
12.648	12.648	INTERSECTION	RIGHT	PAVED ROUTE
12.649	12.654	CURB	RIGHT	N/A
12.655	12.697	CURB	LEFT	N/A
12.664	12.664	INTERSECTION	RIGHT	PAVED ROUTE
12.665	12.808	CURB	RIGHT	N/A
12.682	12.682	SIGN	RIGHT	REGULATORY, DO NOT PASS
12.696	12.696	SIGN	N/A	REGULATORY, KEEP RIGHT

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
12.703	12.703	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
12.709	12.709	SIGN	LEFT	REGULATORY, DO NOT PASS
12.711	12.711	INTERSECTION	LEFT	ROUTE 0001 (COLONIAL PARKWAY) OPPOSITE LANE
12.722	12.741	CURB	LEFT	N/A
12.731	12.731	SIGN	RIGHT	GUIDE, WILLIAMSBURG JAMESTOWN
12.743	12.743	SIGN	RIGHT	WARNING, 12' - 3"
12.747	12.747	OVERPASS	N/A	4290-034 (C&O RAILROAD BRIDGE)
12.756	12.756	SIGN	LEFT	WARNING, 12' - 6"
12.757	12.757	OVERPASS	N/A	4290-019 (LAFAYETTE STREET BRIDGE)
12.805	12.805	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
12.809	12.809	INTERSECTION	RIGHT	ROUTE 0113 (NORTH ENGLAND STREET ACCESS ROAD)
12.817	12.827	CURB	RIGHT	N/A
12.825	12.825	SIGN	RIGHT	WARNING, MERGE RIGHT SINGLE LANE AHEAD
12.833	12.833	INTERSECTION	RIGHT	PAVED SPUR
12.846	12.846	SIGN	RIGHT	GUIDE, NO BICYCLES NO PEDESTRIANS IN TUNNEL
12.849	12.849	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
12.853	12.853	SIGN	RIGHT	GUIDE, USE LIGHTS
12.885	12.885	SIGN	LEFT	GUIDE, CHECK LIGHTS
12.906	12.919	RETAINING WALL	LEFT	N/A
12.908	12.919	RETAINING WALL	RIGHT	N/A
12.913	13.148	CURB	RIGHT	N/A
12.916	13.149	CURB	LEFT	N/A
12.920	12.920	SIGN	RIGHT	WARNING, 14' - 8"
12.920	12.920	SIGN	RIGHT	WARNING, 11' - 0"
12.923	13.146	TUNNEL	N/A	4290-033 (WILLIAMSBURG TUNNEL)
13.142	13.142	SIGN	LEFT	WARNING, 11' - 0"
13.146	13.153	RETAINING WALL	RIGHT	N/A
13.146	13.146	SIGN	LEFT	WARNING, 11' - 0"
13.146	13.146	SIGN	LEFT	WARNING, 14' - 8"
13.152	13.179	GUARD/GUIDE WALL	RIGHT	N/A

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
13.187	13.187	SIGN	RIGHT	GUIDE, CHECK LIGHTS
13.193	13.230	CURB	LEFT	N/A
13.209	13.209	SIGN	LEFT	GUIDE, USE LIGHTS
13.219	13.219	SIGN	LEFT	REGULATORY, SPEED LIMIT 35
13.275	13.275	SIGN	LEFT	GUIDE, NO BICYCLES NO PEDESTRIANS IN TUNNEL
13.292	13.292	SIGN	LEFT	GUIDE, YORKTOWN 14 MILES 23 KILOMETERS
13.309	13.309	INTERSECTION	LEFT	ROUTE 0112A (NEWPORT AVENUE ACCESS ROAD A)
13.310	13.310	SIGN	RIGHT	GUIDE, WILLIAMSBURG JAMESTOWN
13.315	13.332	CURB	LEFT	N/A
13.317	13.317	SIGN	LEFT	REGULATORY, DO NOT ENTER
13.332	13.332	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
13.336	13.336	INTERSECTION	LEFT	PAVED SPUR
13.340	13.424	PAVED DITCH	RIGHT	N/A
13.350	13.350	SIGN	LEFT	GUIDE, NEWPORT AVE
13.376	13.376	OVERPASS	N/A	4290-020 (NEWPORT AVENUE BRIDGE)
13.380	13.380	SIGN	LEFT	WARNING, 13' - 6"
13.391	13.391	SIGN	LEFT	GUIDE, YORKTOWN WILLIAMSBURG
13.414	13.414	SIGN	RIGHT	GUIDE, NEWPORT AVE
13.429	13.429	INTERSECTION	RIGHT	PAVED SPUR
13.434	13.445	CURB	RIGHT	N/A
13.437	13.437	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
13.446	13.446	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
13.451	13.451	INTERSECTION	RIGHT	ROUTE 0112B (NEWPORT AVENUE ACCESS ROAD B)
13.517	13.517	SIGN	RIGHT	WARNING, SINGLE FILE
13.532	13.579	PAVED DITCH	LEFT	N/A
13.532	13.532	SIGN	RIGHT	REGULATORY, DO NOT PASS
13.532	13.532	SIGN	LEFT	WARNING, DO NOT PASS
13.532	13.532	SIGN	LEFT	REGULATORY, DO NOT PASS
13.547	13.547	SIGN	RIGHT	GUIDE, JAMESTOWN 9 MILES 14 KILOMETERS
13.562	13.562	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
13.660	13.660	SIGN	LEFT	GUIDE, SLOW CONGESTED AREA SPEED LIMIT 35
13.775	13.775	SIGN	LEFT	WARNING, SPEED LIMIT 35
13.803	13.888	PAVED DITCH	RIGHT	N/A
13.822	13.866	CURB	RIGHT	N/A
13.825	13.825	INTERSECTION	LEFT	ROUTE 0913 (PALISADES GREAT OAKS PARKING)
13.867	13.867	INTERSECTION	LEFT	ROUTE 0913 (PALISADES GREAT OAKS PARKING)
13.995	13.995	SIGN	RIGHT	GUIDE, PAPER MILL CREEK
14.006	14.006	SIGN	LEFT	GUIDE, PAPER MILL CREEK
14.023	14.023	INTERSECTION	LEFT	ROUTE 0914 (PAPER MILL CREEK PARKING)
14.068	14.068	INTERSECTION	LEFT	ROUTE 0914 (PAPER MILL CREEK PARKING)
14.161	14.303	CURB	LEFT	N/A
14.358	14.449	PAVED DITCH	RIGHT	N/A
14.464	14.559	PAVED DITCH	RIGHT	N/A
14.497	14.497	SIGN	RIGHT	REGULATORY, DO NOT PASS
14.524	14.553	PAVED DITCH	LEFT	N/A
14.526	14.526	SIGN	LEFT	REGULATORY, DO NOT PASS
14.530	14.530	SIGN	RIGHT	GUIDE, ROUTE 199 WEST WILLIAMSBURG
14.562	14.562	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
14.601	14.601	INTERSECTION	RIGHT	ROUTE 0111A (STATE ROUTE 199 KINGS POINT A)
14.606	14.619	CURB	RIGHT	N/A
14.619	14.619	INTERSECTION	LEFT	ROUTE 0111C (STATE ROUTE 199 KINGS POINT C)
14.621	14.636	CURB	LEFT	N/A
14.624	14.624	INTERSECTION	RIGHT	PAVED SPUR
14.634	14.634	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
14.641	14.641	SIGN	RIGHT	GUIDE, NEWPORT NEWS RICHMOND
14.648	14.648	INTERSECTION	LEFT	PAVED SPUR
14.665	14.665	SIGN	RIGHT	GUIDE, ROUTE 199 EAST KINGSPPOINT
14.670	14.736	PAVED DITCH	LEFT	N/A
14.671	14.727	PAVED DITCH	RIGHT	N/A

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
14.676	14.676	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (HUMELSINE PARKWAY STATE ROUTE 199)
14.693	14.693	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (HUMELSINE PARKWAY STATE ROUTE 199)
14.722	14.722	SIGN	LEFT	GUIDE, ROUTE 199 WEST KINGSPPOINT
14.728	14.728	INTERSECTION	RIGHT	PAVED SPUR
14.737	14.754	CURB	RIGHT	N/A
14.744	14.744	SIGN	LEFT	REGULATORY, DO NOT ENTER
14.750	14.750	INTERSECTION	LEFT	PAVED SPUR
14.753	14.767	CURB	LEFT	N/A
14.757	14.757	INTERSECTION	RIGHT	ROUTE 0111B (STATE ROUTE 199 KINGS POINT B)
14.767	14.767	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
14.782	14.782	INTERSECTION	LEFT	ROUTE 0111D (STATE ROUTE 199 KINGS POINT D)
14.789	14.813	PAVED DITCH	LEFT	N/A
14.851	14.851	SIGN	LEFT	GUIDE, NEWPORT NEWS RICHMOND ROUTE 199 EAST
14.857	14.894	PAVED DITCH	RIGHT	N/A
14.859	14.859	SIGN	RIGHT	WARNING, SINGLE FILE
14.859	14.955	PAVED DITCH	LEFT	N/A
14.896	14.896	SIGN	LEFT	REGULATORY, DO NOT PASS
14.963	14.963	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
15.018	15.018	SIGN	RIGHT	REGULATORY, DO NOT PASS
15.020	15.125	PAVED DITCH	LEFT	N/A
15.030	15.137	PAVED DITCH	RIGHT	N/A
15.130	15.248	GUARD/GUIDE RAIL	LEFT	N/A
15.138	15.363	GUARD/GUIDE RAIL	RIGHT	N/A
15.299	15.352	GUARD/GUIDE RAIL	LEFT	N/A
15.427	15.514	PAVED DITCH	LEFT	N/A
15.432	15.539	PAVED DITCH	RIGHT	N/A
15.546	15.568	GUARD/GUIDE RAIL	LEFT	N/A
15.548	15.568	GUARD/GUIDE RAIL	RIGHT	N/A
15.557	15.557	SIGN	RIGHT	GUIDE, HALFWAY CREEK

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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
15.565	15.724	CURB	RIGHT	N/A
15.566	15.725	CURB	LEFT	N/A
15.567	15.726	BRIDGE	N/A	4290-022 (HALFWAY CREEK BRIDGE)
15.568	15.725	GUARD/GUIDE RAIL	RIGHT	N/A
15.568	15.724	GUARD/GUIDE RAIL	LEFT	N/A
15.724	15.745	GUARD/GUIDE RAIL	LEFT	N/A
15.725	15.725	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
15.725	15.754	GUARD/GUIDE RAIL	RIGHT	N/A
15.739	15.789	PAVED DITCH	LEFT	N/A
15.739	15.796	PAVED DITCH	RIGHT	N/A
15.752	15.816	CURB	LEFT	N/A
15.836	15.836	SIGN	RIGHT	GUIDE, PARK ONLY IN PAVED PULLOUTS
15.858	15.858	INTERSECTION	RIGHT	UNPAVED ROUTE (GATED)
15.858	15.858	INTERSECTION	LEFT	PAVED SPUR (GATED)
15.931	15.931	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
15.953	16.000	CURB	RIGHT	N/A
15.968	16.038	PAVED DITCH	RIGHT	N/A
16.053	16.186	GUARD/GUIDE RAIL	LEFT	N/A
16.105	16.143	CURB	RIGHT	N/A
16.191	16.191	SIGN	RIGHT	GUIDE, SLOW CONGESTED AREA REDUCED SPEED 35 M.P.H.
16.208	16.208	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
16.209	16.252	GUARD/GUIDE RAIL	RIGHT	N/A
16.211	16.211	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
16.212	16.212	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
16.213	16.256	GUARD/GUIDE RAIL	LEFT	N/A
16.244	16.244	SIGN	RIGHT	GUIDE, NO FISHING OR DIVING ON BRIDGE
16.244	16.244	SIGN	RIGHT	GUIDE, COLLEGE CREEK
16.248	16.279	CURB	RIGHT	N/A
16.252	16.277	GUARD/GUIDE RAIL	RIGHT	N/A
16.252	16.268	BRIDGE	N/A	4290-023 (COLLEGE CREEK BRIDGE)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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
16.255	16.282	CURB	LEFT	N/A
16.256	16.281	GUARD/GUIDE RAIL	LEFT	N/A
16.277	16.298	GUARD/GUIDE RAIL	RIGHT	N/A
16.281	16.325	GUARD/GUIDE RAIL	LEFT	N/A
16.284	16.284	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
16.284	16.284	SIGN	LEFT	GUIDE, COLLEGE CREEK
16.298	16.298	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
16.312	16.312	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
16.322	16.322	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
16.353	16.353	SIGN	LEFT	REGULATORY, DO NOT PASS
16.353	16.353	SIGN	LEFT	WARNING, DO NOT PASS
16.354	16.354	SIGN	RIGHT	REGULATORY, DO NOT PASS
16.357	16.357	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
16.357	16.357	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
16.369	16.369	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
16.385	16.385	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
16.387	16.387	INTERSECTION	RIGHT	ROUTE 0915 (COLLEGE CREEK PARKING)
16.409	16.409	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
16.409	16.409	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
16.431	16.431	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
16.431	16.431	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
16.454	16.454	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
16.454	16.454	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
16.478	16.478	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
16.478	16.478	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
16.484	16.484	INTERSECTION	RIGHT	ROUTE 0915 (COLLEGE CREEK PARKING)
16.485	16.485	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
16.501	16.501	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
16.520	16.520	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
16.533	16.533	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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
16.544	16.544	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
16.579	16.579	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
16.579	16.579	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
16.582	16.582	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
16.582	16.582	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
16.739	16.739	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
16.739	16.739	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
16.748	16.748	INTERSECTION	LEFT	ROUTE 0916 (ORIENTATION MAP PARKING)
16.786	16.786	INTERSECTION	LEFT	ROUTE 0916 (ORIENTATION MAP PARKING)
16.795	16.795	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
16.795	16.795	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
16.863	16.863	SIGN	LEFT	GUIDE, SLOW CONGESTED AREA REDUCED SPEED 35 M.P.H.
16.863	16.863	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
16.978	16.978	SIGN	LEFT	REGULATORY, REDUCED SPEED AHEAD
17.229	17.229	SIGN	LEFT	REGULATORY, DO NOT PASS
17.587	17.587	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
17.589	17.589	SIGN	RIGHT	REGULATORY, SPEED LIMIT 45
17.621	17.621	SIGN	RIGHT	GUIDE, X-ING
17.666	17.666	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
17.710	17.710	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
17.739	17.739	INTERSECTION	LEFT	ROUTE 0917 (ARCHER'S HOPE PARKING)
17.842	17.842	INTERSECTION	LEFT	ROUTE 0917 (ARCHER'S HOPE PARKING)
17.881	17.881	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
17.917	17.917	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
18.203	18.203	INTERSECTION	RIGHT	UNPAVED ROUTE (GATED)
18.492	18.492	SIGN	RIGHT	GUIDE, GRAPHIC SIGN NO TEXT
18.492	18.492	SIGN	RIGHT	GUIDE, BIKE ROUTE
18.569	18.569	SIGN	LEFT	GUIDE, BIKE ROUTE
18.569	18.569	SIGN	LEFT	GUIDE, GRAPHIC SIGN NO TEXT
18.969	18.969	SIGN	RIGHT	GUIDE, GILEBE GUT

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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
18.989	18.989	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
19.042	19.042	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
19.106	19.106	SIGN	LEFT	REGULATORY, PASS WITH CARE
19.107	19.107	SIGN	RIGHT	REGULATORY, DO NOT PASS
19.177	19.177	INTERSECTION	LEFT	ROUTE 0918 (MILL CREEK PARKING)
19.263	19.263	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
19.263	19.303	GUARD/GUIDE RAIL	RIGHT	N/A
19.271	19.271	INTERSECTION	LEFT	ROUTE 0918 (MILL CREEK PARKING)
19.277	19.277	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
19.278	19.303	GUARD/GUIDE RAIL	LEFT	N/A
19.296	19.296	SIGN	RIGHT	GUIDE, MILL CREEK
19.301	19.324	CURB	RIGHT	N/A
19.302	19.323	CURB	LEFT	N/A
19.303	19.320	GUARD/GUIDE RAIL	LEFT	N/A
19.303	19.322	GUARD/GUIDE RAIL	RIGHT	N/A
19.310	19.319	BRIDGE	N/A	4290-024 (MILL CREEK BRIDGE)
19.320	19.391	GUARD/GUIDE RAIL	LEFT	N/A
19.322	19.372	GUARD/GUIDE RAIL	RIGHT	N/A
19.328	19.328	SIGN	LEFT	GUIDE, MILL CREEK
19.371	19.371	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
19.391	19.391	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
19.565	19.565	INTERSECTION	LEFT	ROUTE 0919 (REAL ESTATE PARKING)
19.606	19.606	INTERSECTION	LEFT	ROUTE 0919 (REAL ESTATE PARKING)
20.027	20.027	INTERSECTION	LEFT	ROUTE 0920 (NECK OF LAND PARKING)
20.110	20.110	INTERSECTION	LEFT	ROUTE 0920 (NECK OF LAND PARKING)
20.150	20.150	SIGN	RIGHT	REGULATORY, DO NOT PASS
20.150	20.150	SIGN	LEFT	REGULATORY, DO NOT PASS
20.150	20.150	SIGN	LEFT	WARNING, DO NOT PASS
20.227	20.227	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
20.337	20.337	SIGN	RIGHT	WARNING, SPEED LIMIT 35

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
20.339	20.339	SIGN	LEFT	REGULATORY, SPEED LIMIT 45
20.453	20.453	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
20.480	20.480	SIGN	RIGHT	GUIDE, BIKE ROUTE
20.480	20.480	SIGN	RIGHT	GUIDE, GRAPHIC SIGN NO TEXT
20.559	20.559	SIGN	LEFT	GUIDE, GRAPHIC SIGN NO TEXT
20.559	20.559	SIGN	LEFT	GUIDE, BIKE ROUTE
20.667	20.667	INTERSECTION	RIGHT	ROUTE 0990 (JAMESTOWN MAINTENANCE PARKING)
20.740	20.815	CURB	N/A	N/A
20.741	20.741	SIGN	N/A	REGULATORY, GRAPHIC SIGN NO TEXT
20.741	20.741	SIGN	N/A	REGULATORY, GRAPHIC SIGN NO TEXT
20.741	20.741	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
20.745	20.745	INTERSECTION	LEFT	ROUTE 0001 (COLONIAL PARKWAY) OPPOSITE LANE
20.815	20.815	SIGN	N/A	REGULATORY, GRAPHIC SIGN NO TEXT
20.828	20.828	INTERSECTION	LEFT	ROUTE 0932 (NECK O LAND VISITOR CONTACT PARKING)
20.829	20.906	CURB	LEFT	N/A
20.906	20.906	SIGN	N/A	REGULATORY, GRAPHIC SIGN NO TEXT
20.909	20.909	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
20.910	20.910	INTERSECTION	LEFT	ROUTE 0001 (COLONIAL PARKWAY) OPPOSITE LANE
21.019	21.019	SIGN	LEFT	REGULATORY, SPEED LIMIT 35
21.019	21.019	SIGN	RIGHT	GUIDE, HISTORIC JAMESTOWNE ARCHEOLOGICAL EXCAVATIONS
21.019	21.019	SIGN	RIGHT	REGULATORY, DO NOT PASS
21.181	21.181	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
21.215	21.215	SIGN	LEFT	REGULATORY, DO NOT PASS
21.217	21.217	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
21.217	21.235	GUARD/GUIDE RAIL	RIGHT	N/A
21.223	21.223	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
21.224	21.224	SIGN	RIGHT	GUIDE, POWHATAN CREEK
21.224	21.235	GUARD/GUIDE RAIL	LEFT	N/A
21.233	21.383	CURB	RIGHT	N/A

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
21.235	21.381	GUARD/GUIDE RAIL	RIGHT	N/A
21.235	21.379	GUARD/GUIDE RAIL	LEFT	N/A
21.239	21.378	BRIDGE	N/A	4290-025 (POWHATAN CREEK BRIDGE)
21.379	21.409	GUARD/GUIDE RAIL	LEFT	N/A
21.381	21.408	GUARD/GUIDE RAIL	RIGHT	N/A
21.384	21.384	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
21.407	21.407	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
21.408	21.408	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
21.471	21.471	INTERSECTION	LEFT	ROUTE 0001 (COLONIAL PARKWAY) OPPOSITE LANE
21.476	21.476	SIGN	N/A	REGULATORY, KEEP RIGHT
21.476	21.577	CURB	LEFT	N/A
21.482	21.482	SIGN	LEFT	REGULATORY, DO NOT PASS
21.504	21.504	SIGN	RIGHT	GUIDE, HISTORIC JAMESTOWNE JAMESTOWN SETTLEMENT
21.507	21.538	CURB	RIGHT	N/A
21.539	21.539	INTERSECTION	RIGHT	PAVED SPUR
21.547	21.575	CURB	RIGHT	N/A
21.551	21.551	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
21.586	21.586	SIGN	RIGHT	GUIDE, NATIONAL PARK SERVICE
21.586	21.586	SIGN	RIGHT	GUIDE, COLONIAL PARKWAY
21.588	21.588	INTERSECTION	RIGHT	ROUTE 0110 (STATE ROUTE 359)
21.588	21.588	INTERSECTION	LEFT	ROUTE 0921 (POWHATAN CREEK PARKING)
21.589	21.592	CURB	RIGHT	N/A
21.589	21.695	CURB	LEFT	N/A
21.615	21.615	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
21.689	21.689	SIGN	RIGHT	GUIDE, ENTRANCE FEE HISTORIC JAMESTOWNE
21.708	21.769	CURB	N/A	N/A
21.708	21.708	INTERSECTION	LEFT	ROUTE 0921 (POWHATAN CREEK PARKING)
21.725	21.725	GATE	N/A	N/A
21.726	21.726	SIGN	RIGHT	REGULATORY, STOP
21.726	21.726	SIGN	N/A	REGULATORY, STOP

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
21.727	21.727	SIGN	N/A	GUIDE, UNABLE TO READ FROM VIDEO
21.727	21.727	SIGN	RIGHT	REGULATORY, CLOSED
21.731	21.768	CURB	RIGHT	N/A
21.747	21.747	SIGN	N/A	GUIDE, UNABLE TO READ FROM VIDEO
21.747	21.747	SIGN	LEFT	GUIDE, NATIONAL PARK SERVICE
21.750	21.750	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
21.750	21.750	SIGN	LEFT	GUIDE, GRAPHIC SIGN NO TEXT
21.750	21.750	SIGN	LEFT	GUIDE, GRAPHIC SIGN NO TEXT
21.765	21.765	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
21.765	21.765	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
21.770	21.795	CURB	LEFT	N/A
21.773	21.773	SIGN	N/A	GUIDE, VISITOR CENTER
21.773	21.796	CURB	RIGHT	N/A
21.774	21.774	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
21.774	21.774	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
21.775	21.790	PULLOUT	RIGHT	N/A
21.789	21.789	SIGN	RIGHT	REGULATORY, RANGER PARKING ONLY
21.794	21.794	SIGN	N/A	REGULATORY, GRAPHIC SIGN NO TEXT
21.808	21.808	INTERSECTION	RIGHT	ROUTE 0904 (GLASSHOUSE ACCESS ROAD PARKING)
21.808	21.855	CURB	N/A	N/A
21.809	21.813	CURB	RIGHT	N/A
21.810	21.810	SIGN	N/A	REGULATORY, GRAPHIC SIGN NO TEXT
21.816	21.816	SIGN	LEFT	GUIDE, GLASSHOUSE OF 1608
21.820	21.820	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
21.854	21.854	SIGN	N/A	REGULATORY, GRAPHIC SIGN NO TEXT
21.858	21.858	INTERSECTION	LEFT	ROUTE 0001 (COLONIAL PARKWAY) OPPOSITE LANE
21.859	21.859	SIGN	RIGHT	REGULATORY, AUTHORIZED VEHICLES ONLY
21.859	21.859	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
21.887	21.887	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
21.891	21.891	SIGN	LEFT	GUIDE, THE GLASSHOUSE OF 1608

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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
21.953	21.953	SIGN	LEFT	REGULATORY, SPEED LIMIT 25
22.129	22.137	CURB	RIGHT	N/A
22.139	22.139	INTERSECTION	RIGHT	PAVED PARKING
22.141	22.165	CURB	RIGHT	N/A
22.173	22.173	INTERSECTION	RIGHT	PAVED PARKING
22.272	22.272	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
22.273	22.300	CURB	RIGHT	N/A
22.273	22.300	GUARD/GUIDE RAIL	RIGHT	N/A
22.273	22.273	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
22.273	22.300	CURB	LEFT	N/A
22.274	22.300	GUARD/GUIDE RAIL	LEFT	N/A
22.283	22.293	BRIDGE	N/A	4290-026 (ISTHMUS BRIDGE)
22.300	22.300	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
22.300	22.300	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
22.565	22.565	SIGN	LEFT	REGULATORY, SPEED LIMIT 25
22.571	22.571	INTERSECTION	RIGHT	UNPAVED ROUTE
22.577	22.577	SIGN	RIGHT	GUIDE, PRIVATE ROAD
22.577	22.577	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
22.598	22.625	PULLOUT	LEFT	N/A
22.632	22.632	SIGN	RIGHT	GUIDE, CARS & RVS GROUP & SCHOOL BUSES HANDICAPPED DROP-OFF SHUTTLE BUS STOP
22.641	22.641	INTERSECTION	RIGHT	ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING)
22.650	22.650	INTERSECTION	RIGHT	ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING)
22.653	22.669	CURB	RIGHT	N/A
22.670	22.670	INTERSECTION	RIGHT	ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING)
22.674	22.674	SIGN	RIGHT	REGULATORY, DO NOT ENTER
22.680	22.680	INTERSECTION	RIGHT	ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING)
22.681	22.691	CURB	RIGHT	N/A
22.682	22.682	SIGN	RIGHT	GUIDE, CARS BUSES & RVS
22.692	22.692	INTERSECTION	RIGHT	ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0001: COLONIAL PARKWAY

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
22.699	22.709	CURB	RIGHT	N/A
22.717	22.717	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
22.717	22.717	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
22.737	22.737	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
22.737	22.737	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
22.759	22.759	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
22.760	22.760	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
22.781	22.781	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
22.782	22.782	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
22.788	22.800	CURB	RIGHT	N/A
22.792	22.792	SIGN	RIGHT	GUIDE, BUSES & RVS CAR PARKING
22.801	22.801	INTERSECTION	RIGHT	ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING)
22.826	22.826	INTERSECTION	RIGHT	ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING)
22.834	22.834	SIGN	RIGHT	REGULATORY, WEIGHT LIMIT 5 TONS
22.846	22.846	INTERSECTION	RIGHT	ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING)
22.855	22.855	SIGN	RIGHT	REGULATORY, DO NOT ENTER
22.870	22.870	INTERSECTION	RIGHT	ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING)
22.872	22.872	SIGN	RIGHT	GUIDE, NO BUSES OR CAMPERS ALLOWED
22.872	22.872	SIGN	RIGHT	REGULATORY, CLOSED
22.872	22.872	SIGN	LEFT	REGULATORY, CLOSED
22.872	22.872	INTERSECTION	N/A	ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
22.872	22.872	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
22.872	22.872	ROUTE END	N/A	TO BEGIN ROUTE 501AZZ (ISLAND DRIVE SHORT LOOP ROADS) AT GATE

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0100: UNTOUCHED REDOUBT 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 INTERSECTION OF ROUTE 0500 (WEST TOUR ROAD) AND STATE ROUTE 238 (GOOSLEY ROAD)
0.000	0.000	INTERSECTION	LEFT	PAVED ROUTE (GOOSLEY ROAD/STATE ROAD 238)
0.000	0.000	INTERSECTION	N/A	ROUTE 0500 (WEST TOUR ROAD)
0.000	0.000	INTERSECTION	RIGHT	PAVED ROUTE (GOOSLEY ROAD/STATE ROAD 238)
0.005	0.005	SIGN	LEFT	REGULATORY, STOP
0.007	0.007	SIGN	LEFT	GUIDE, END OF TOUR YORKTOWN US ROUTE 17
0.013	0.013	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.020	0.020	GATE	N/A	N/A
0.046	0.046	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.294	0.294	CULVERT	N/A	N/A
0.297	0.297	INTERSECTION	LEFT	ROUTE 0100 (UNTOUCHED REDOUBT ROAD)
0.297	0.411	ONE-WAY	N/A	N/A
0.299	0.299	SIGN	N/A	REGULATORY, KEEP RIGHT
0.339	0.348	CURB	RIGHT	N/A
0.352	0.352	INTERSECTION	RIGHT	ROUTE 0903 (UNTOUCHED REDOUBT LOOP/PARKING)
0.357	0.361	CURB	RIGHT	N/A
0.411	0.411	INTERSECTION	N/A	ROUTE 0100 (UNTOUCHED REDOUBT ROAD)
0.411	0.411	INTERSECTION	LEFT	ROUTE 0100 (UNTOUCHED REDOUBT ROAD)
0.411	0.411	ROUTE END	N/A	TO END OF LOOP

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0102AZ: SURRENDER FIELD 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 INTERSECTION OF ROUTE 0225 (SURRENDER ROAD) AND ROUTE 0502 (AFTERMATH ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0225 (SURRENDER ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0502 (AFTERMATH ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0225 (SURRENDER ROAD)
0.003	0.003	CULVERT	N/A	N/A
0.004	0.004	SIGN	LEFT	REGULATORY, STOP
0.005	0.005	SIGN	RIGHT	GUIDE, HISTORICAL TOUR
0.006	0.006	GATE	N/A	N/A
0.006	0.006	SIGN	LEFT	GUIDE, GRAPHIC SIGN NO TEXT
0.011	0.011	SIGN	LEFT	GUIDE, YORKTOWN VISITOR CENTER
0.014	0.014	SIGN	RIGHT	GUIDE, PAY PARK ENTRANCE FEE AT VISITOR CENTER
0.079	0.079	SIGN	N/A	REGULATORY, KEEP RIGHT
0.079	0.215	ONE-WAY	N/A	N/A
0.079	0.079	INTERSECTION	LEFT	ROUTE 0102AZ (SURRENDER FIELD ROAD)
0.103	0.103	INTERSECTION	LEFT	ROUTE 0102BZ (SURRENDER FIELD SPUR ROAD)
0.107	0.137	CURB	LEFT	N/A
0.143	0.143	INTERSECTION	RIGHT	ROUTE 0500 (WEST TOUR ROAD)
0.146	0.146	SIGN	RIGHT	REGULATORY, WEIGHT LIMIT 5 TONS
0.150	0.150	SIGN	RIGHT	GUIDE, BATTLEFIELD TOUR ROAD OF ENCAMPMENT AREAS
0.155	0.155	INTERSECTION	RIGHT	ROUTE 0929 (SURRENDER FIELD ACCESS PARKING)
0.193	0.193	INTERSECTION	LEFT	ROUTE 0102BZ (SURRENDER FIELD SPUR ROAD)
0.195	0.209	CURB	RIGHT	N/A
0.215	0.215	INTERSECTION	N/A	ROUTE 0102AZ (SURRENDER FIELD ROAD)
0.215	0.215	INTERSECTION	LEFT	ROUTE 0102AZ (SURRENDER FIELD ROAD)
0.215	0.215	ROUTE END	N/A	TO END OF LOOP

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0102BZ: SURRENDER FIELD 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 0102AZ (SURRENDER FIELD ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0102AZ (SURRENDER FIELD ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0102AZ (SURRENDER FIELD ROAD)
0.000	0.025	ONE-WAY	N/A	N/A
0.025	0.025	INTERSECTION	LEFT	ROUTE 0102AZ (SURRENDER FIELD ROAD)
0.025	0.025	INTERSECTION	RIGHT	ROUTE 0102AZ (SURRENDER FIELD ROAD)
0.025	0.025	ROUTE END	N/A	TO ROUTE 0102AZ (SURRENDER FIELD ROAD)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0104: MOORE HOUSE 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 INTERSECTION OF ROUTE 0503ZZ (EAST TOUR ROADS) AND BALLARD STREET
0.000	0.000	INTERSECTION	LEFT	PAVED ROUTE (BALLARD STREET / NON NPS)
0.000	0.000	INTERSECTION	N/A	ROUTE 0503BZ (EAST TOUR ROAD B)
0.000	0.000	INTERSECTION	RIGHT	PAVED ROUTE (BALLARD STREET / NON NPS)
0.005	0.005	SIGN	LEFT	REGULATORY, STOP
0.008	0.008	SIGN	LEFT	GUIDE, SURRENDER FIELD
0.078	0.078	SIGN	RIGHT	REGULATORY, STOP
0.084	0.084	INTERSECTION	RIGHT	PAVED ROUTE (MOORE HOUSE ROAD / NON NPS)
0.084	0.084	INTERSECTION	LEFT	PAVED ROUTE (MOORE HOUSE ROAD / NON NPS)
0.086	0.086	SIGN	RIGHT	GUIDE, HISTORICAL TOUR
0.092	0.092	SIGN	RIGHT	GUIDE, AREA CLOSED SUNSET TO 6 A.M.
0.092	0.092	SIGN	RIGHT	GUIDE, PAY PARK ENTRANCE FEE AT VISITOR CENTER
0.124	0.124	INTERSECTION	RIGHT	UNPAVED ROUTE
0.128	0.128	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.184	0.184	INTERSECTION	N/A	ROUTE 0928 (MOORE HOUSE PARKING)
0.184	0.184	ROUTE END	N/A	TO ROUTE 0928 (MOORE HOUSE PARKING)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0113: NORTH ENGLAND STREET 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 0001 (COLONIAL PARKWAY) AT MP (ON RIGHT)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0001 (COLONIAL PARKWAY)
0.000	0.029	ONE-WAY	N/A	N/A
0.000	0.000	INTERSECTION	LEFT	ROUTE 0001 (COLONIAL PARKWAY)
0.004	0.027	CURB	N/A	N/A
0.004	0.047	CURB	LEFT	N/A
0.004	0.059	CURB	RIGHT	N/A
0.014	0.014	SIGN	LEFT	REGULATORY, STOP
0.023	0.023	SIGN	N/A	REGULATORY, DO NOT ENTER
0.023	0.023	SIGN	LEFT	REGULATORY, KEEP RIGHT
0.027	0.027	SIGN	RIGHT	REGULATORY, YIELD
0.032	0.032	SIGN	LEFT	REGULATORY, NO COMMERCIAL VEHICLES
0.057	0.057	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.059	0.059	SIGN	RIGHT	REGULATORY, STOP
0.059	0.059	INTERSECTION	LEFT	PAVED ROUTE (NORTH ENGLAND STREET / NON NPS)
0.059	0.059	INTERSECTION	RIGHT	PAVED ROUTE (NORTH ENGLAND STREET / NON NPS)
0.059	0.059	ROUTE END	N/A	TO PARK BOUNDARY

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0224AZ: WASHINGTON'S HEADQUARTERS 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 0500 (WEST TOUR ROAD) AT MP 1.72
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0500 (WEST TOUR ROAD)
0.000	0.031	ONE-WAY	N/A	N/A
0.000	0.000	INTERSECTION	N/A	ROUTE 0500 (WEST TOUR ROAD)
0.024	0.024	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.024	0.024	SIGN	LEFT	REGULATORY, YIELD
0.025	0.025	SIGN	LEFT	REGULATORY, KEEP LEFT
0.036	0.036	SIGN	RIGHT	GUIDE, HISTORICAL TOUR
0.043	0.043	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.120	0.120	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.133	0.197	PAVED DITCH	LEFT	N/A
0.135	0.157	LANE DEVIATION	N/A	N/A
0.137	0.149	LOW WATER CROSSING	N/A	N/A
0.167	0.167	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.265	0.294	CURB	RIGHT	N/A
0.278	0.278	INTERSECTION	LEFT	ROUTE 0224AZ (WASHINGTON'S HEADQUARTERS ROAD)
0.278	0.319	ONE-WAY	N/A	N/A
0.278	0.278	SIGN	N/A	REGULATORY, KEEP RIGHT
0.278	0.315	CURB	N/A	N/A
0.295	0.295	INTERSECTION	RIGHT	ROUTE 0930 (WASHINGTON'S HEADQUARTERS PARKING)
0.319	0.319	INTERSECTION	LEFT	ROUTE 0224AZ (WASHINGTON'S HEADQUARTERS ROAD)
0.319	0.319	INTERSECTION	N/A	ROUTE 0224AZ (WASHINGTON'S HEADQUARTERS ROAD)
0.319	0.319	ROUTE END	N/A	TO END OF LOOP

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0224BZ: WASHINGTON'S HEADQUARTERS 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 0224AZ (WASHINGTON'S HEADQUARTERS ROAD)
0.000	0.028	ONE-WAY	N/A	N/A
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0224AZ (WASHINGTON'S HEADQUARTERS ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0224AZ (WASHINGTON'S HEADQUARTERS ROAD)
0.022	0.022	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.028	0.028	INTERSECTION	LEFT	ROUTE 0500 (WEST TOUR ROAD)
0.028	0.028	INTERSECTION	RIGHT	ROUTE 0500 (WEST TOUR ROAD)
0.028	0.028	ROUTE END	N/A	TO ROUTE 0500 (WEST TOUR ROAD)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0226BZ: FRENCH LOOP 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 0226AZ (FRENCH LOOP ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0226AZ (FRENCH LOOP ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0226AZ (FRENCH LOOP ROAD)
0.000	0.053	ONE-WAY	N/A	N/A
0.007	0.007	SIGN	RIGHT	REGULATORY, KEEP LEFT
0.019	0.019	CULVERT	N/A	N/A
0.038	0.038	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.053	0.053	SIGN	RIGHT	REGULATORY, ONE WAY
0.053	0.053	INTERSECTION	N/A	ROUTE 0500 (WEST TOUR ROAD)
0.053	0.053	INTERSECTION	RIGHT	ROUTE 0500 (WEST TOUR ROAD)
0.053	0.053	ROUTE END	N/A	TO ROUTE 0500 (WEST TOUR ROAD)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0501AAZ: ISLAND DRIVE WEST 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 INTERSECTION OF ROUTE 0001 (COLONIAL PARKWAY) AND ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING) AT JAMESTOWN
0.000	0.000	INTERSECTION	N/A	ROUTE 0001 (COLONIAL PARKWAY)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0950 (JAMESTOWN VISITOR CENTER PARKING)
0.025	0.025	SIGN	RIGHT	GUIDE, ISLAND LOOP ROAD SHORT TOUR 3 MI. 5 KM. COMPLETE TOUR 5 MI. 8 KM.
0.033	0.033	INTERSECTION	LEFT	ROUTE 0951AZ (EARLY AFRICAN RESIDENTS PARKING)
0.047	0.047	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.072	0.072	INTERSECTION	LEFT	ROUTE 0951AZ (EARLY AFRICAN RESIDENTS PARKING)
0.183	0.183	SIGN	LEFT	REGULATORY, ONE WAY RIGHT
0.185	2.479	ONE-WAY	N/A	N/A
0.185	0.185	INTERSECTION	LEFT	ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
0.243	0.243	INTERSECTION	LEFT	ROUTE 0501ABZ (ISLAND DRIVE WEST LOOP SPUR)
0.282	0.305	PULLOUT	RIGHT	N/A
0.309	0.327	GUARD/GUIDE RAIL	LEFT	N/A
0.309	0.328	GUARD/GUIDE RAIL	RIGHT	N/A
0.313	0.332	BRIDGE	N/A	4290-028 (PITCH AND TAR BRIDGE)
0.413	0.413	INTERSECTION	RIGHT	UNPAVED ROUTE
0.429	0.429	INTERSECTION	RIGHT	ROUTE 0951BZ (JAMESTOWN ISLAND DRIVE PARKING)
0.464	0.464	INTERSECTION	RIGHT	ROUTE 0951BZ (JAMESTOWN ISLAND DRIVE PARKING)
0.503	0.503	CULVERT	N/A	N/A
0.503	0.523	PULLOUT	RIGHT	N/A
1.048	1.048	INTERSECTION	LEFT	ROUTE 0951CZ (JAMESTOWN DURING THE CIVIL WAR PARKING)
1.084	1.084	CULVERT	N/A	N/A
1.092	1.092	INTERSECTION	LEFT	ROUTE 0951CZ (JAMESTOWN DURING THE CIVIL WAR PARKING)
1.118	1.145	PULLOUT	LEFT	N/A
1.178	1.178	INTERSECTION	RIGHT	ROUTE 0951DZ (THE CHANGING LAND PARKING)
1.208	1.208	INTERSECTION	RIGHT	ROUTE 0951DZ (THE CHANGING LAND PARKING)
1.301	1.323	PULLOUT	RIGHT	N/A

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0501AAZ: ISLAND DRIVE WEST 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
1.384	1.384	INTERSECTION	RIGHT	ROUTE 0501B (ISLAND DRIVE EAST LOOP)
1.394	1.394	SIGN	RIGHT	GUIDE, COMPLETE TOUR SHORT TOUR
1.467	1.467	CULVERT	N/A	N/A
1.508	1.508	SIGN	RIGHT	REGULATORY, YIELD
1.532	1.532	SIGN	LEFT	REGULATORY, ONE WAY
1.533	1.533	INTERSECTION	RIGHT	ROUTE 0501B (ISLAND DRIVE EAST LOOP)
1.537	1.559	PULLOUT	LEFT	N/A
1.604	1.604	INTERSECTION	RIGHT	ROUTE 0951EZ (PRECIOUS PLANTS PARKING)
1.624	1.624	CULVERT	N/A	N/A
1.629	1.629	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
1.638	1.638	INTERSECTION	RIGHT	ROUTE 0951EZ (PRECIOUS PLANTS PARKING)
1.693	1.824	GUARD/GUIDE RAIL	LEFT	N/A
1.693	1.824	GUARD/GUIDE RAIL	RIGHT	N/A
1.696	1.828	BRIDGE	N/A	4290-031 (LONG BRIDGE)
2.044	2.071	PULLOUT	RIGHT	N/A
2.050	2.050	CULVERT	N/A	N/A
2.109	2.133	PULLOUT	RIGHT	N/A
2.235	2.235	INTERSECTION	RIGHT	ROUTE 0951FZ (SOILE FIT TO PRODUCE PARKING)
2.273	2.273	INTERSECTION	RIGHT	ROUTE 0951FZ (SOILE FIT TO PRODUCE PARKING)
2.388	2.388	SIGN	RIGHT	GUIDE, REPEAT TOUR END OF TOUR
2.405	2.405	INTERSECTION	LEFT	ROUTE 0501ABZ (ISLAND DRIVE WEST LOOP SPUR)
2.407	2.428	PULLOUT	RIGHT	N/A
2.479	2.479	INTERSECTION	LEFT	ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
2.479	2.479	INTERSECTION	N/A	ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
2.479	2.479	ROUTE END	N/A	TO END OF LOOP

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0501ABZ: ISLAND DRIVE WEST LOOP SPUR

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 0501AAZ (ISLAND DRIVE WEST LOOP)
0.000	0.056	ONE-WAY	N/A	N/A
0.000	0.000	INTERSECTION	LEFT	ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
0.015	0.023	DEBRIS ON ROAD	N/A	N/A
0.027	0.036	DEBRIS ON ROAD	N/A	N/A
0.043	0.056	DEBRIS ON ROAD	N/A	N/A
0.049	0.049	SIGN	RIGHT	REGULATORY, STOP
0.056	0.056	INTERSECTION	LEFT	ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
0.056	0.056	INTERSECTION	RIGHT	ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
0.056	0.056	ROUTE END	N/A	TO ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0501B: ISLAND DRIVE EAST 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 0501AZZ (ISLAND DRIVE WEST LOOP ROADS)
0.000	2.282	ONE-WAY	N/A	N/A
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
0.071	0.071	INTERSECTION	LEFT	ROUTE 0952AZ (FOOT TRAIL TO BLACK POINT PARKING)
0.112	0.112	INTERSECTION	LEFT	ROUTE 0952AZ (FOOT TRAIL TO BLACK POINT PARKING)
0.119	0.119	CULVERT	N/A	N/A
0.395	0.411	PULLOUT	RIGHT	N/A
0.428	0.428	INTERSECTION	LEFT	ROUTE 0952BZ (AN ANCIENT PLANTER PARKING)
0.469	0.469	INTERSECTION	LEFT	ROUTE 0952BZ (AN ANCIENT PLANTER PARKING)
0.756	0.756	CULVERT	N/A	N/A
1.125	1.125	CULVERT	N/A	N/A
1.128	1.128	INTERSECTION	RIGHT	ROUTE 0952CZ (THE TRAVIS ESTATE PARKING)
1.156	1.156	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
1.168	1.168	INTERSECTION	RIGHT	ROUTE 0952CZ (THE TRAVIS ESTATE PARKING)
1.181	1.257	GUARD/GUIDE RAIL	LEFT	N/A
1.182	1.257	GUARD/GUIDE RAIL	RIGHT	N/A
1.183	1.258	BRIDGE	N/A	4290-029 (BLACKS POINT BRIDGE)
1.283	1.299	PULLOUT	RIGHT	N/A
1.362	1.362	INTERSECTION	LEFT	ROUTE 0952DZ (FENCES AND DITCHES PARKING)
1.397	1.397	INTERSECTION	LEFT	ROUTE 0952DZ (FENCES AND DITCHES PARKING)
1.665	1.665	CULVERT	N/A	N/A
1.746	1.746	INTERSECTION	LEFT	ROUTE 0952EZ (THE ISLAND HOUSE / PLANTS FROM THE PAST PARKING)
1.784	1.784	INTERSECTION	LEFT	ROUTE 0952EZ (THE ISLAND HOUSE / PLANTS FROM THE PAST PARKING)
1.863	1.906	GUARD/GUIDE RAIL	RIGHT	N/A
1.863	1.905	GUARD/GUIDE RAIL	LEFT	N/A
1.865	1.906	BRIDGE	N/A	4290-030 (TRAVIS GRAVEYARD BRIDGE)
2.265	2.281	PULLOUT	RIGHT	N/A
2.282	2.282	INTERSECTION	LEFT	ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0501B: ISLAND DRIVE EAST 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
2.282	2.282	INTERSECTION	RIGHT	ROUTE 0501AAZ (ISLAND DRIVE WEST LOOP)
2.282	2.282	SIGN	LEFT	REGULATORY, ONE WAY
2.282	2.282	ROUTE END	N/A	TO ROUTE 0501AZZ (ISLAND DRIVE WEST LOOP ROADS)

COLO: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0503BZ: EAST TOUR ROAD B

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 INTERSECTION OF ROUTE 0104 (MOORE HOUSE ACCESS ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0104 (MOORE HOUSE ACCESS ROAD)
0.000	0.000	INTERSECTION	RIGHT	PAVED ROUTE (BALLARD STREET / NON NPS)
0.000	0.000	INTERSECTION	LEFT	PAVED ROUTE (BALLARD STREET / NON NPS)
0.005	0.005	SIGN	LEFT	REGULATORY, STOP
0.005	0.005	SIGN	LEFT	REGULATORY, STOP
0.008	0.008	CULVERT	N/A	N/A
0.010	0.010	GATE	N/A	N/A
0.013	0.013	SIGN	RIGHT	GUIDE, PAY PARK ENTRANCE FEE AT VISITOR CENTER
0.027	0.027	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.039	0.039	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.321	0.321	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.328	0.328	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.332	0.332	SIGN	RIGHT	WARNING, ROAD NARROWS
0.332	0.332	INTERSECTION	N/A	ROUTE 0503AZ (EAST TOUR ROAD A)
0.332	0.332	INTERSECTION	RIGHT	ROUTE 0503AZ (EAST TOUR ROAD A)
0.332	0.332	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.332	0.332	SIGN	RIGHT	REGULATORY, WEIGHT LIMIT 5 TONS
0.332	0.332	ROUTE END	N/A	TO ROUTE 0503AZ (EAST TOUR ROAD A)

Section 10 Appendix



Colonial National Historical Park



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.

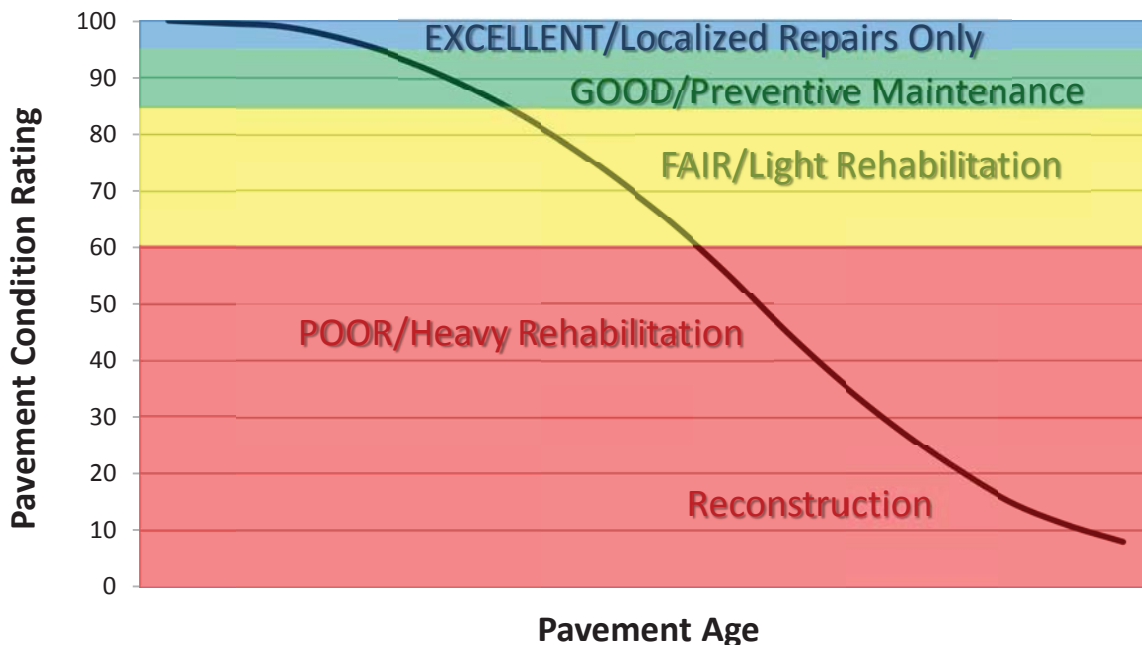
Explanation of the Excellent, Good, Fair and Poor Condition Descriptions

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.

Condition Categories and Treatments



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:

$$\text{Asphalt PCR} = (0.60 * \text{SCR}) + (0.40 * \text{RCI})$$

$$\text{Concrete PCR} = \text{RCI}$$

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 *severity*...LOW, MEDIUM, or HIGH based on criteria listed. For each severity, an *extent* 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:

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

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:

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

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

$$\text{PATCH_INDEX} = 100 - 40 * (\% \text{PATCHING} / 80)$$

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:

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

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

$$\text{RUT_INDEX} = 100 - 40 * [(\% \text{LOW} / 535) + (\% \text{MED} / 205) + (\% \text{HI} / 40)]$$

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:

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

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

<u>TERM OR ABBREVIATION</u>	<u>DESCRIPTION OR DEFINITION</u>
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