



# Federal Lands Highway Road Inventory Program

Road Inventory and Condition Assessment



## National Mall and Memorial Parks NAMA

### Cycle 5 Report

Prepared By: Federal Highway Administration  
Road Inventory Program (RIP)  
Data Collected: 05/2013  
Report Date: 01/2014

# National Mall and Memorial Parks in District of Columbia





DCV = Data Collection Vehicle

## TABLE OF CONTENTS

<b><u>SECTION</u></b>	<b><u>PAGE</u></b>
<b>1. INTRODUCTION</b>	<b>1 - 1</b>
<b>2. PARK ROUTE INVENTORY</b> Route IDs, Subcomponents & Changes Report (As Applicable)	<b>2 - 1</b>
<b>3. PARK SUMMARY INFORMATION</b> Paved Route Miles and Percentages by Functional Class and PCR DCV Road Condition Summary	<b>3 - 1</b> <b>3 - 3</b>
<b>4. PARK ROUTE LOCATION MAPS</b> Route Location Key Map Route Location Area Map Route Condition Key Map – PCR Mile by Mile Route Condition Area Map – PCR Mile by Mile	<b>4 - 1</b> <b>4 - 2</b> <b>4 - 7</b> <b>4 - 8</b>
<b>5. PAVED ROUTE CONDITION RATING SHEETS</b> CRS Pages	<b>5 - 1</b>
<b>6. MANUALLY RATED PAVED ROUTE CONDITION RATING SHEETS</b> MRR Pages	<b>6 - 1</b>
<b>7. PARKING AREA CONDITION RATING SHEETS</b> Paved Parking Area Pages	<b>7 - 1</b>
<b>8. ROUTE MAINTENANCE FEATURES SUMMARIES</b> DCV Route Maintenance Features Summary Structure List	<b>8 - 1</b> <b>8 - 2</b>
<b>9. ROUTE MAINTENANCE FEATURES ROAD LOGS</b> Route Maintenance Features Road Logs	<b>9 - 1</b>
<b>10. APPENDIX</b> Explanation of Changes to the RIP Index Equations and Determination of PCR Explanation of the Excellent, Good, Fair and Poor Condition Descriptions Description of Rating System Surface Distresses Index Formulas Data Collection Vehicle Subsystems Geodatabase – Background and Metadata Glossary of Terms and Abbreviations	<b>10 - 1</b> <b>10 - 2</b> <b>10 - 3</b> <b>10 - 5</b> <b>10 - 12</b> <b>10 - 16</b> <b>10 - 19</b> <b>10 - 20</b>

# Section 1 Introduction



## National Mall and Memorial Parks



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 21<sup>st</sup> 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

FHWA/Eastern Federal Lands  
21400 Ridgetop Circle  
Sterling, VA 20166  
(703) 404-6371

FHWA/Central Federal Lands  
12300 West Dakota Ave  
Lakewood, CO 80228  
(720) 963-3556

# Section 2

## Park Route Inventory



## National Mall and Memorial Parks



Federal Lands Highway  
Road Inventory Program

# Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 01/24/2014

(Numerical By Route #)

Page 1 of 12

Shading Color Key:  
Red text denotes approx. mileage

White = Paved Routes, DCV Driven
Grey = Paved Routes, DCV not Driven

Yellow = Unpaved Routes, DCV not Driven
Black = State, Local or Private non-NPS Routes

Blue = All Paved Parking Areas
■ = Concession Route Flag ON

Green = All Unpaved Parking Areas
-----------------------------------

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

\*\* DCV - Data Collection Vehicle

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

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
0010	5	49680		CONSTITUTION AVENUE NW	FROM PARK BOUNDARY / ROUTE 0021ZZ (15TH STREET NW AND SW)	TO PARK BOUNDARY / ROUTE 0018ZZ (23RD STREET NW)	N/A	0.88	0.00	0.88	7		AS	1,2
0011ZZ	5	19161		OHIO DRIVE SW	FROM ROUTES 0013 (BUCKEYE DRIVE SW) AND 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO ROUTE 0016ZZ (ROCK CREEK AND POTOMAC PARKWAY)	N/A	2.05	0.00	2.05	7		AS	1,4
0012ZZ	5	19162		EAST BASIN DRIVE SW	FROM ROUTE 0504 (MAINE AVENUE SW (EASTBOUND))	TO ROUTE 0011ZZ (OHIO DRIVE SW)	N/A	0.76	0.00	0.76	7		AS	4
0013	5	19163		BUCKEYE DRIVE SW	FROM INTERSECTION OF ROUTES 0011ZZ (OHIO DRIVE SW) AND 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	N/A	0.34	0.00	0.34	7		AS	4
0014	5	19164		NAMA - MAIN STREET	FROM ROUTE 0013 (BUCKEYE DRIVE SW)	TO ROUTE 0522ZZ (NORTHBOUND I-395 ON/OFF RAMP AT NCR HEADQUARTERS)	N/A	0.09	0.00	0.09	7		AS	4
0016ZZ	5	19166		ROCK CREEK AND POTOMAC PARKWAY	FROM PARK BOUNDARY (INTERSECTION OF ROCK CREEK PARKWAY AND VIRGINIA AVENUE)	TO ROUTES 0011ZZ (OHIO DRIVE SW) AND 0017ZZ (PARKWAY DRIVE NW AND SPURS)	N/A	1.21	0.00	1.21	7		AS	1
0017ZZ	5	19167		PARKWAY DRIVE NW AND SPURS	FROM ROUTE 0016ZZ (ROCK CREEK AND POTOMAC PARKWAY)	TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)	N/A	0.39	0.00	0.39	7		AS	1
0018ZZ	5	19168		23RD STREET NW	FROM PARK BOUNDARY / ROUTE 0010 (CONSTITUTION AVENUE NW)	TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)	N/A	0.22	0.00	0.22	7		AS	1
0019	5	19169		HENRY BACON DRIVE NW	FROM ROUTE 0010 (CONSTITUTION AVENUE NW)	TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)	N/A	0.15	0.00	0.15	7		AS	1
0020ZZ	5	19170		17TH STREET NW AND SW	FROM ROUTE 0010 (CONSTITUTION AVENUE NW)	TO ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))	N/A	0.35	0.00	0.35	7		AS	2



# Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 01/24/2014

(Numerical By Route #)

Page 2 of 12

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven
Grey = Paved Routes, DCV not Driven

Yellow = Unpaved Routes, DCV not Driven
Black = State, Local or Private non-NPS Routes

Blue = All Paved Parking Areas
■ = Concession Route Flag ON

Green = All Unpaved Parking Areas
-----------------------------------

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

\*\* DCV - Data Collection Vehicle

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

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
0021ZZ	5	19171		15TH STREET NW AND SW	FROM PARK BOUNDARY / ROUTE 0010 (CONSTITUTION AVENUE NW)	TO ROUTE 0504 (MAINE AVENUE SW (EASTBOUND))	N/A	0.55	0.00	0.55	7		AS	2
0022	5	49698		12TH STREET SW	FROM PARK BOUNDARY / INDEPENDENCE AVENUE SW	TO ROUTE 0501 (JEFFERSON DRIVE SW)	N/A	0.07	0.00	0.07	7		AS	3
0023ZZ	5	19172		23RD STREET SW	FROM ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)	TO INTERSECTION OF ROUTES 0011ZZ (OHIO DRIVE SW) AND 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))	N/A	0.13	0.00	0.13	7		AS	1
0025ZZ	5	19174		LINCOLN MEMORIAL CIRCLE NW AND SW	FROM PARK BOUNDARY / MEMORIAL BRIDGE (EASTBOUND)	TO ROUTES 0019 (HENRY BACON DRIVE NW) AND 0023ZZ (23RD STREET SW)	N/A	0.28	0.00	0.28	7		AS	1
0026	5	19175		OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD	FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	TO INTERSECTION OF ROUTE 0011ZZ (OHIO DRIVE SW) AND ROUTE 0013 (BUCKEYE DRIVE SW)	N/A	2.52	0.00	2.52	7		AS	4
0027ZZ	5	19179		OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD	FROM BEGINNING OF ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO ROUTES 0012ZZ (EAST BASIN DRIVE SW)	N/A	1.35	0.00	1.35	7		AS	4
0200	NC	19178		HAINS POINT RESTROOM SERVICE ACCESS	FROM ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.14	0.14	6		GR	
0402	NC	22393		UNDERPASS DRIVE	FROM ROUTE 0011ZZ (OHIO DRIVE SW)	TO ROUTE 0017ZZ (PARKWAY DRIVE NW AND SPURS)	N/A	0.00	0.07	0.07	6		GR	
0404	4	19180		ASH ROAD	FROM ROUTE 0957 (WORLD WAR II / HOMEFRONT DRIVE HANDICAPPED PARKING)	TO BARRIER	N/A	0.22	0.00	0.22	6		AS	1,2
0406	5	19181		TITANIC MEMORIAL SERVICE ROAD	FROM DC POLICE DOCK	TO INTERSECTION OF P STREET SW AND 4TH STREET SW	N/A	0.23	0.00	0.23	6	21,374	CO	4

# Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 01/24/2014

(Numerical By Route #)

Page 3 of 12

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

= Concession Route Flag ON

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

\*\* DCV - Data Collection Vehicle

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

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
0407	4			LINCOLN MEMORIAL CIRCLE TOUR BUS ACCESS	FROM ROUTE 0023ZZ (23RD STREET SW)	TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)	N/A	0.11	0.00	0.11	6		AS	1
0408	5	49906		HAINS POINT PLAYGROUND RESTROOM SERVICE ROAD	FROM ROUTE 0200 (HAINS POINT RESTROOM SERVICE ACCESS)	TO END OF LOOP	N/A	0.07	0.00	0.07	6	4,355	AS	4
0409	5			CONSTITUTION GARDENS BUS LOOP	FROM ROUTE 0010 (CONSTITUTION AVENUE NW)	TO ROUTE 0010 (CONSTITUTION AVENUE NW)	N/A	0.06	0.00	0.06	6	4,051	AS	2
0500	5	19182		MADISON DRIVE NW	FROM PARK BOUNDARY / ROUTE 5001 (3RD STREET (SW AND NW))	TO ROUTE 0021ZZ (15TH STREET NW AND SW)	N/A	0.96	0.00	0.96	7		AS	2,3
0501	5	19183		JEFFERSON DRIVE SW	FROM ROUTE 0021ZZ (15TH STREET NW AND SW)	TO PARK BOUNDARY / ROUTE 5001 (3RD STREET (SW AND NW))	N/A	0.97	0.00	0.97	7		AS	2,3
0502	5	19184		INDEPENDENCE AVENUE SW (EASTBOUND)	FROM INTERSECTION OF ROUTE 0011ZZ (OHIO DRIVE SW) AND 0520 (JOHN ERICSSON MEMORIAL LOOP)	TO PARK BOUNDARY / 14TH STREET SW	N/A	0.99	0.00	0.99	7		AS	1,2
0503	5	19185		INDEPENDENCE AVENUE SW (WESTBOUND)	FROM PARK BOUNDARY / INTERSECTION WITH ROUTE 5004 (14TH STREET (SW AND NW))	TO INTERSECTION OF ROUTE 0011ZZ (OHIO DRIVE SW) AND ROUTE 0023ZZ (23RD STREET SW)	N/A	1.00	0.00	1.00	7		AS	1,2
0504	5	19186		MAINE AVENUE SW (EASTBOUND)	FROM ROUTE 0502 (INDEPENDENCE AVENUE SW (EASTBOUND))	TO PARK BOUNDARY AT 14TH STREET SW UNDERPASS	N/A	0.35	0.00	0.35	7		AS	2,4
0505	5	19187		MAINE AVENUE SW (WESTBOUND)	FROM PARK BOUNDARY AT 14TH STREET SW UNDERPASS	TO INTERSECTION OF ROUTES 0503 (INDEPENDENCE AVENUE SW (WESTBOUND)) AND 0515 (EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND)	N/A	0.42	0.00	0.42	7		AS	2,4
0506	5	19188		WEST BASIN DRIVE SW	FROM ROUTE 0011ZZ (OHIO DRIVE SW)	TO ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))	N/A	0.25	0.00	0.25	7		AS	1

# Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 01/24/2014

(Numerical By Route #)

Page 4 of 12

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven
Grey = Paved Routes, DCV not Driven

Yellow = Unpaved Routes, DCV not Driven
Black = State, Local or Private non-NPS Routes

Blue = All Paved Parking Areas
■ = Concession Route Flag ON

Green = All Unpaved Parking Areas
-----------------------------------

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

\*\* DCV - Data Collection Vehicle

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

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
0508	4	19190		DANIEL FRENCH DRIVE SW	FROM INTERSECTION OF ROUTE 0023ZZ (23RD STREET SW) AND ROUTE 0407 (LINCOLN MEMORIAL CIRCLE TOUR BUS ACCESS) TO ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))	N/A	0.14	0.00	0.14	3		AS	1
0509	5	19191		OHIO DRIVE RAMP TO LINCOLN MEMORIAL CIRCLE	FROM ROUTE 0011ZZ (OHIO DRIVE SW) TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)	N/A	0.11	0.00	0.11	7		AS	1
0510	5	19192		LINCOLN MEMORIAL CIRCLE RAMP TO OHIO DRIVE	FROM ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW) TO ROUTE 0011ZZ (OHIO DRIVE SW)	N/A	0.08	0.00	0.08	7		AS	1
0511	5	19193		12TH STREET NW (SOUTHBOUND RAMP)	FROM PARK BOUNDARY / CONSTITUTION AVENUE NW TO ROUTE 0500 (MADISON DRIVE NW)	N/A	0.10	0.00	0.10	7		AS	3
0512	5	19194		12TH STREET NW (NORTHBOUND RAMP)	FROM ROUTE 0500 (MADISON DRIVE NW) TO PARK BOUNDARY / CONSTITUTION AVENUE NW	N/A	0.10	0.00	0.10	7		AS	3
0515	5	49802		EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND	FROM ROUTE 0502 (INDEPENDENCE AVENUE SW (EASTBOUND)) TO INTERSECTION OF ROUTES 0503 (INDEPENDENCE AVENUE SW (WESTBOUND)) AND 0505 (MAINE AVENUE SW (WESTBOUND))	N/A	0.06	0.00	0.06	7		AS	2
0516	5	49804		WESTBOUND TO EASTBOUND TIDAL BASIN TURNAROUND	FROM ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND)) TO ROUTE 0502 (INDEPENDENCE AVENUE SW (EASTBOUND))	N/A	0.04	0.00	0.04	7		AS	2
0520	5	49861		JOHN ERICSSON MEMORIAL LOOP	FROM INTERSECTION OF ROUTE 0011ZZ (OHIO DRIVE SW) AND ROUTE 0502 (INDEPENDENCE AVENUE SW (EASTBOUND)) TO ROUTE 0011ZZ (OHIO DRIVE SW)	N/A	0.05	0.00	0.05	7		AS	1
0521	4	104041		OLD CONSTITUTION AVENUE TURNAROUND	FROM ROUTE 0017ZZ (PARKWAY DRIVE NW AND SPURS) TO ROUTE 0017ZZ (PARKWAY DRIVE NW AND SPURS)	N/A	0.00	0.00	0.00	3	5,649	AS	1

# Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 01/24/2014

(Numerical By Route #)

Page 5 of 12

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

= Concession Route Flag ON

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

\*\* DCV - Data Collection Vehicle

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

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
0522ZZ	5			NORTHBOUND I-395 ON/OFF RAMP AT NCR HEADQUARTERS	FROM ROUTE 0014 (NAMA - MAIN STREET) FOR ON-RAMP AND INTERSTATE 395 (NORTHBOUND) FOR OFF-RAMP	TO INTERSTATE 395 (NORTHBOUND) FOR ON-RAMP AND ROUTE 0014 (NAMA - MAIN STREET) FOR OFF-RAMP	N/A	0.20	0.00	0.20	7		AS	4
0901	4	40352		BRENTWOOD MAINTENANCE FACILITY NORTHEAST	FROM NEW YORK AVENUE NE	TO BRENTWOOD PARKWAY NE	N/A	0.00	0.00	0.00		250,382	AS	5
0903	4	43894		USPP H-1 STABLES PARKING LOT	FROM ROUTE 0404 (ASH ROAD)	TO PARKING	N/A	0.00	0.00	0.00		11,577	AS	1
0904	4	49862		SURVEY LODGE PARKING AREA	FROM ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))	TO ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))	N/A	0.00	0.00	0.00		16,725	AS	2
0905	4	49863		TIDAL BASIN PARKING	FROM ROUTE 0504 (MAINE AVENUE SW (EASTBOUND))	TO ROUTE 0502 (INDEPENDENCE AVENUE SW (EASTBOUND))	N/A	0.00	0.00	0.00		53,965	AS	2
0907	4	49865		NAMA HEADQUARTERS PARKING LOT	FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	TO PARKING	N/A	0.00	0.00	0.00		18,830	AS	4
0908	4	49866		OHIO DRIVE TENNIS COURT PARKING LOT	FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	TO PARKING	N/A	0.00	0.00	0.00		5,303	AS	4
0909A	5	49867		PARK POLICE ACCESS A	FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	TO ROUTE 0909B (PARK POLICE ACCESS B)	N/A	0.00	0.00	0.00		24,720	AS	4
0909B	5		■	PARK POLICE ACCESS B	FROM ROUTE 0909A (PARK POLICE ACCESS A)	TO PARKING	N/A	0.00	0.00	0.00		5,778	AS	4
0910	4	49868		GOLF COURSE PARKING	FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	TO ROUTE 0909A (PARK POLICE ACCESS A)	N/A	0.00	0.00	0.00		136,150	AS	4
0911	4	49871		HAINS POINT PARKING #1	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		N/A	0.00	0.00	0.00		1,828	AS	4

# Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 01/24/2014

(Numerical By Route #)

Page 6 of 12

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven
Grey = Paved Routes, DCV not Driven

Yellow = Unpaved Routes, DCV not Driven
Black = State, Local or Private non-NPS Routes

Blue = All Paved Parking Areas
■ = Concession Route Flag ON

Green = All Unpaved Parking Areas
-----------------------------------

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

\*\* DCV - Data Collection Vehicle

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

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
0912	4	49874		HAINS POINT PARKING #2	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		2,706	AS	4
0913	4	49875		HAINS POINT PARKING #3	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		1,844	AS	4
0914	4	49877		HAINS POINT PARKING #4	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		1,105	AS	4
0915	4	49880		HAINS POINT PARKING #5	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		1,490	AS	4
0916	4	49881		HAINS POINT PARKING #6	FROM ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD) TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		9,464	AS	4
0917	4	49884		HAINS POINT PARKING #7	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		2,416	AS	4
0918	4	49885		HAINS POINT PARKING #8	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		2,223	AS	4
0919	4	49886		HAINS POINT PARKING #9	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		1,684	AS	4
0920	4	49888		HAINS POINT PARKING #10	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		2,149	AS	4
0921	4	49892		HAINS POINT PARKING #11	FROM ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD) TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		11,071	AS	4
0922	4	49894		HAINS POINT PARKING #12	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		1,356	AS	4

# Cycle 5 NPS/RIP Route ID Report

Shading Color Key:  
Red text denotes approx. mileage

White = Paved Routes, DCV Driven
Grey = Paved Routes, DCV not Driven

Yellow = Unpaved Routes, DCV not Driven
Black = State, Local or Private non-NPS Routes

Blue = All Paved Parking Areas
■ = Concession Route Flag ON

Green = All Unpaved Parking Areas
-----------------------------------

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

\*\* DCV - Data Collection Vehicle

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

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
0923	4	49895		HAINS POINT PLAYGROUND PARKING LOT	FROM ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD) TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		28,070	AS	4
0924	4	49897		HAINS POINT PARKING #13	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		5,138	AS	4
0925	4	49899		HAINS POINT PARKING #14	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		2,421	AS	4
0926	4	49902		HAINS POINT PARKING #16	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		4,634	AS	4
0928	4	49908		HAINS POINT PARKING #17	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		3,754	AS	4
0929	4	49913		HAINS POINT PARKING #18	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		7,617	AS	4
0930	4	49915		HAINS POINT PARKING #18 (RESTROOM PARKING)	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		811	AS	4
0931	4	49917		HAINS POINT PARKING #19	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		4,638	AS	4
0932	4	49919		HAINS POINT PARKING #20	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		5,225	AS	4
0933	4	49920		HAINS POINT PARKING #21	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		4,063	AS	4

# Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 01/24/2014

(Numerical By Route #)

Page 8 of 12

Shading Color Key:  
Red text denotes approx. mileage

White = Paved Routes, DCV Driven  
Grey = Paved Routes, DCV not Driven

Yellow = Unpaved Routes, DCV not Driven  
Black = State, Local or Private non-NPS Routes

Blue = All Paved Parking Areas  
= Concession Route Flag ON

Green = All Unpaved Parking Areas

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

\*\* DCV - Data Collection Vehicle

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

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
0934	4	49921		HAINS POINT PARKING #22	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		2,397	AS	4
0935	4	49922		HAINS POINT PARKING #23	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		3,118	AS	4
0936	4	49923		HAINS POINT PARKING #24	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		1,428	AS	4
0937	4	49925		HAINS POINT PARKING #25	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		1,546	AS	4
0939A	5	40935		EAST POTOMAC PARK MAINTENANCE YARD	FROM ROUTE 0013 (BUCKEYE DRIVE SW) TO ROUTE 0939BZZ (EAST POTOMAC PARK TOURMOBILE PARKING)	N/A	0.00	0.00	0.00		80,839	AS	4
0939BZZ	5	49927		EAST POTOMAC PARK TOURMOBILE PARKING	FROM ROUTES 0013 (BUCKEYE DRIVE SW) AND 0014 ( ) TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)	N/A	0.00	0.00	0.00		37,040	AS	4
0940	4	49929		BUCKEYE DRIVE TENNIS COURT PARKING LOT	FROM ROUTE 0013 (BUCKEYE DRIVE SW) TO ROUTE 0013 (BUCKEYE DRIVE SW)	N/A	0.00	0.00	0.00		15,658	AS	4
0941	4	49931		NATIONAL CAPITOL REGION HEADQUARTERS PARKING	FROM ROUTE 0011ZZ (OHIO DRIVE SW) TO ROUTE 0014 (NAMA - MAIN STREET)	N/A	0.00	0.00	0.00		181,396	AS	4
0942	4	49933		EAST POTOMAC PARK BUS TURNAROUND	FROM ROUTE 0011ZZ (OHIO DRIVE SW) TO ROUTE 0011ZZ (OHIO DRIVE SW)	N/A	0.00	0.00	0.00		5,479	AS	4
0943	4	49934		EAST POTOMAC PARK PARKING LOT C	FROM ROUTE 0011ZZ (OHIO DRIVE SW) TO PARKING	N/A	0.00	0.00	0.00		25,518	AS	4
0944	4	49935		EAST POTOMAC PARK PARKING LOT B	FROM ROUTE 0011ZZ (OHIO DRIVE SW) TO PARKING	N/A	0.00	0.00	0.00		25,949	AS	4
0945	4	49937		EAST POTOMAC PARK PARKING LOT A	FROM ROUTE 0011ZZ (OHIO DRIVE SW) TO PARKING	N/A	0.00	0.00	0.00		34,102	AS	4
0946	4			FDR MEMORIAL HANDICAPPED PARKING	ADJACENT TO ROUTE 0506 (WEST BASIN DRIVE SW)	N/A	0.00	0.00	0.00		2,637	AS	1

# Cycle 5 NPS/RIP Route ID Report

Shading Color Key:  
Red text denotes approx. mileage

White = Paved Routes, DCV Driven
Grey = Paved Routes, DCV not Driven

Yellow = Unpaved Routes, DCV not Driven
Black = State, Local or Private non-NPS Routes

Blue = All Paved Parking Areas
■ = Concession Route Flag ON

Green = All Unpaved Parking Areas
-----------------------------------

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

\*\* DCV - Data Collection Vehicle

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

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
0947	4			HAINS POINT PARKING #15	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	N/A	0.00	0.00	0.00		3,401	AS	4
0957	4	89577		WORLD WAR II / HOMEFRONT DRIVE HANDICAPPED PARKING	FROM ROUTE 0020ZZ (17TH STREET NW AND SW) TO ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))	N/A	0.00	0.00	0.00		22,671	AS	2
0958	5			JEFFERSON MEMORIAL CLOSED PARKING LOT	FROM ROUTE 0012ZZ (EAST BASIN DRIVE SW) TO ROUTE 0012ZZ (EAST BASIN DRIVE SW)	N/A	0.00	0.00	0.00		36,557	AS	4
5000E	5			PENNSYLVANIA AVENUE NW (EASTBOUND)	FROM 15TH STREET NW TO ROUTE 5001 (3RD STREET (SW AND NW))	N/A	1.02	0.00	1.02			AS	2,3
5000W	5			PENNSYLVANIA AVENUE NW (WESTBOUND)	FROM ROUTE 5001 (3RD STREET (SW AND NW)) TO 15TH STREET NW	N/A	1.02	0.00	1.02			AS	2,3
5001	5			3RD STREET (SW AND NW)	FROM INDEPENDENCE AVENUE SW TO CONSTITUTION AVENUE NW	N/A	0.29	0.00	0.29			AS	3
5002	5			4TH STREET (SW AND NW)	FROM INDEPENDENCE AVENUE SW TO ROUTE 5000E (PENNSYLVANIA AVENUE NW (EASTBOUND)) / CONSTITUTION AVENUE NW	N/A	0.29	0.00	0.29			AS	3
5003	5			7TH STREET (SW AND NW)	FROM INDEPENDENCE AVENUE SW TO CONSTITUTION AVENUE NW	N/A	0.29	0.00	0.29			AS	3
5004	5			14TH STREET (SW AND NW)	FROM INTERSECTION WITH ROUTE 0502 (INDEPENDENCE AVENUE SW (EASTBOUND)) AND 0503 (INDEPENDENCE AVENUE SW (WESTBOUND)) TO CONSTITUTION AVENUE NW	N/A	0.29	0.00	0.29			AS	2
5005	5			COLUMBUS CIRCLE NE (AT UNION STATION)	FROM COLUMBUS CIRCLE NE (IN FRONT OF UNION STATION) TO END OF CIRCLE	N/A	0.30	0.00	0.30			AS	5



# Cycle 5 NPS/RIP Route ID Report

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

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

\*\* DCV - Data Collection Vehicle

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

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	From	To								
5507	5	19189		I-395 SOUTH RAMP TO OHIO DRIVE SW	FROM INTERSTATE 395 (SOUTHBOUND)	TO ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	N/A	0.19	0.00	0.19				AS	4

# Cycle 5 NPS/RIP Route ID Report

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

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

\*\* DCV - Data Collection Vehicle

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

## CYCLE 5 COLLECTED SUMMARY TOTALS FOR NATIONAL MALL AND MEMORIAL PARKS

### CYCLE 5 COLLECTED ROUTE TOTALS

DCV Driven Route Miles	17.01
Manually Rated Route Miles	0.36
<b>TOTAL PARK ROUTE MILES COLLECTED IN CYCLE 5</b>	<b>17.37</b>
Manually Rated Routes (SQFT)	0.00

### \* CYCLE 5 COLLECTED PARKING AREA TOTALS

Paved Parking (SQFT)	184,934
----------------------	---------

### CYCLE 5 COLLECTED CONCESSION TOTALS

Concession Paved Route Miles	0.00
Concession Paved Parking Area SQFT	5,778
Concession Manually Rated Routes SQFT	0

### CYCLE 5 COLLECTED WEIGHTED AVERAGE PARK VALUES

DCV Driven PCR	82
**Manually Rated Routes PCR	51
**Parking PCR	67
***Total Equivalent Lane Miles	54.57

## TOTAL PARK SUMMARY FOR NATIONAL MALL AND MEMORIAL PARKS

### ROUTE TOTALS

TOTAL PAVED PARK ROUTE MILES	17.84
TOTAL PAVED PARKING (SQFT)	1,108,873

\* - 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

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

= Concession Route Flag ON

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

\*\* DCV - Data Collection Vehicle

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

## 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 NAMA

Road Inventory Program 01/24/2014

(Numerical By Subcomponent #)

Page 1 of 6

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

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						
0011ZZ	19161	5	OHIO DRIVE SW	FROM ROUTES 0013 (BUCKEYE DRIVE SW) AND 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD) TO ROUTE 0016ZZ (ROCK CREEK AND POTOMAC PARKWAY)		7	2.05	0.00	2.05	
0012ZZ	19162	5	EAST BASIN DRIVE SW	FROM ROUTE 0504 (MAINE AVENUE SW (EASTBOUND)) TO ROUTE 0011ZZ (OHIO DRIVE SW)		7	0.76	0.00	0.76	
0016ZZ	19166	5	ROCK CREEK AND POTOMAC PARKWAY	FROM PARK BOUNDARY (INTERSECTION OF ROCK CREEK PARKWAY AND VIRGINIA AVENUE) TO ROUTES 0011ZZ (OHIO DRIVE SW) AND 0017ZZ (PARKWAY DRIVE NW AND SPURS)		7	1.21	0.00	1.21	
0017ZZ	19167	5	PARKWAY DRIVE NW AND SPURS	FROM ROUTE 0016ZZ (ROCK CREEK AND POTOMAC PARKWAY) TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)		7	0.39	0.00	0.39	
0018ZZ	19168	5	23RD STREET NW	FROM PARK BOUNDARY / ROUTE 0010 (CONSTITUTION AVENUE NW) TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)		7	0.22	0.00	0.22	
0020ZZ	19170	5	17TH STREET NW AND SW	FROM ROUTE 0010 (CONSTITUTION AVENUE NW) TO ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))		7	0.35	0.00	0.35	
0021ZZ	19171	5	15TH STREET NW AND SW	FROM PARK BOUNDARY / ROUTE 0010 (CONSTITUTION AVENUE NW) TO ROUTE 0504 (MAINE AVENUE SW (EASTBOUND))		7	0.55	0.00	0.55	
0023ZZ	19172	5	23RD STREET SW	FROM ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW) TO INTERSECTION OF ROUTES 0011ZZ (OHIO DRIVE SW) AND 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))		7	0.13	0.00	0.13	
0025ZZ	19174	5	LINCOLN MEMORIAL CIRCLE NW AND SW	FROM PARK BOUNDARY / MEMORIAL BRIDGE (EASTBOUND) TO ROUTES 0019 (HENRY BACON DRIVE NW) AND 0023ZZ (23RD STREET SW)		7	0.28	0.00	0.28	
0027ZZ	19179	5	OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD	FROM BEGINNING OF ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD) TO ROUTES 0012ZZ (EAST BASIN DRIVE SW)		7	1.35	0.00	1.35	
0522ZZ	N/A	5	NORTHBOUND I-395 ON/OFF RAMP AT NCR HEADQUARTERS	FROM ROUTE 0014 (NAMA - MAIN STREET) FOR ON-RAMP AND INTERSTATE 395 (NORTHBOUND) FOR OFF-RAMP TO INTERSTATE 395 (NORTHBOUND) FOR ON-RAMP AND ROUTE 0014 (NAMA - MAIN STREET) FOR OFF-RAMP		7	0.20	0.00	0.20	
0939BZZ	49927	5	EAST POTOMAC PARK TOURMOBILE PARKING	FROM ROUTES 0013 (BUCKEYE DRIVE SW) AND 0014 ( ) TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)			0.00	0.00	0.00	37,040

# NPS/RIP Subcomponent Details for NAMA

Road Inventory Program 01/24/2014

(Numerical By Subcomponent #)

Page 2 of 6

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

#### NAMA-0011ZZ 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						
0011AZ	19161	5	OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE)	FROM INTERSECTION OF ROUTE 0013 (BUCKEYE DRIVE SW) AND ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO INTERSECTION OF ROUTES 0011EZ (OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE)), 0502 (INDEPENDENCE AVENUE SW (EASTBOUND)), AND 0520 (JOHN ERICSSON MEMORIAL LOOP)		7	1.22	0.00	1.22	
0011BZ	19161	5	OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY)	FROM INTERSECTION OF ROUTES 0023AZ (23RD STREET SW (SOUTHBOUND)) AND 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))	TO ROUTE 0016AZ (ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND))		7	0.53	0.00	0.53	
0011CZ	19161	5	OHIO DRIVE SW (SB CONNECTOR AROUND ERICSSON MEMORIAL TO WEST POTOMAC PARK)	FROM ROUTE 0011EZ (OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE))	TO ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))		7	0.10	0.00	0.10	
0011DZ	19161	5	OHIO DRIVE SW (SB LANE SEPARATION AT POTOMAC RIVER FREEWAY)	FROM ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))	TO ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))		7	0.10	0.00	0.10	
0011EZ	19161	5	OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE)	FROM ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))	TO INTERSECTION OF ROUTES 0502 (INDEPENDENCE AVENUE SW (EASTBOUND)) AND 0520 (JOHN ERICSSON MEMORIAL LOOP)		7	0.10	0.00	0.10	

# NPS/RIP Subcomponent Details for NAMA

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

#### NAMA-0012ZZ 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						
0012AZ	19162	5	EAST BASIN DRIVE SW (WESTBOUND)	FROM ROUTE 0504 (MAINE AVENUE SW (EASTBOUND))		7	0.57	0.00	0.57	
0012BBZ	19162	5	EAST BASIN DRIVE SW (EASTBOUND SPUR TO MAINE AVENUE EASTBOUND)	FROM ROUTE 0012BZ (EAST BASIN DRIVE SW (EASTBOUND))		7	0.03	0.00	0.03	
0012BZ	19162	5	EAST BASIN DRIVE SW (EASTBOUND)	FROM ROUTE 0027AZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND))		7	0.16	0.00	0.16	
				TO ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))						
				TO ROUTE 0504 (MAINE AVENUE SW (EASTBOUND))						
				TO ROUTE 0504 (MAINE AVENUE SW (EASTBOUND))						

#### NAMA-0016ZZ 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						
0016AZ	19166	5	ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND)	FROM END OF ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))		7	0.60	0.00	0.60	
0016BZ	19166	5	ROCK CREEK AND POTOMAC PARKWAY (SOUTHBOUND)	FROM PARK BOUNDARY (INTERSECTION OF ROCK CREEK PARKWAY AND VIRGINIA AVENUE)		7	0.61	0.00	0.61	
				TO PARK BOUNDARY (INTERSECTION OF ROCK CREEK PARKWAY AND VIRGINIA AVENUE)						
				TO BEGINNING OF ROUTE 0017AZ (PARKWAY DRIVE NW)						

# NPS/RIP Subcomponent Details for NAMA

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

#### NAMA-0017ZZ 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						
0017AZ	19167	5	PARKWAY DRIVE NW	FROM END OF ROUTE 0016BZ (ROCK CREEK AND POTOMAC PARKWAY (SOUTHBOUND))	TO ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)		7	0.31	0.00	0.31	
0017BZ	19167	5	PARKWAY DRIVE RAMP TO OHIO DRIVE	FROM ROUTE 0017AZ (PARKWAY DRIVE NW)	TO ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))		7	0.03	0.00	0.03	
0017CZ	19167	5	LINCOLN MEMORIAL CIRCLE SPUR TO PARKWAY DRIVE	FROM ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)	TO ROUTE 0017AZ (PARKWAY DRIVE NW)		7	0.05	0.00	0.05	

#### NAMA-0018ZZ 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						
0018AZ	19168	5	23RD STREET NW (SOUTHBOUND)	FROM PARK BOUNDARY / ROUTE 0010 (CONSTITUTION AVENUE NW)	TO ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)		7	0.11	0.00	0.11	
0018BZ	19168	5	23RD STREET NW (NORTHBOUND)	FROM ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)	TO PARK BOUNDARY / ROUTE 0010 (CONSTITUTION AVENUE NW)		7	0.11	0.00	0.11	

#### NAMA-0020ZZ 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						
0020AZ	19170	5	17TH STREET NW (SOUTHBOUND)	FROM PARK BOUNDARY / ROUTE 0010 (CONSTITUTION AVENUE NW)	TO BEGINNING OF ROUTE 0020CZ (17TH STREET SW (SOUTHBOUND))		7	0.15	0.00	0.15	
0020BZ	19170	5	17TH STREET SW (NORTHBOUND SPUR FROM INDEPENDENCE AVENUE)	FROM ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))	TO ROUTE 0020CZ (17TH STREET SW (SOUTHBOUND))		7	0.07	0.00	0.07	
0020CZ	19170	5	17TH STREET SW (SOUTHBOUND)	FROM END OF ROUTE 0020AZ (17TH STREET NW (SOUTHBOUND))	TO ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))		7	0.12	0.00	0.12	

# NPS/RIP Subcomponent Details for NAMA

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

#### NAMA-0021ZZ 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						
0021AZ	19171	5	15TH STREET NW	FROM PARK BOUNDARY / ROUTE 0010 (CONSTITUTION AVENUE NW)	TO BEGINNING OF ROUTE 0021BZ (15TH STREET SW)		7	0.16	0.00	0.16	
0021BZ	19171	5	15TH STREET SW	FROM END OF ROUTE 0021AZ (15TH STREET NW)	TO ROUTE 0504 (MAINE AVENUE SW (EASTBOUND))		7	0.39	0.00	0.39	

#### NAMA-0023ZZ 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						
0023AZ	19172	5	23RD STREET SW (SOUTHBOUND)	FROM END OF ROUTE 0025BZ (LINCOLN MEMORIAL CIRCLE SW)	TO INTERSECTION OF ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY)) AND ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))		7	0.06	0.00	0.06	
0023BZ	19172	5	23RD STREET SW (NORTHBOUND)	FROM INTERSECTION OF ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY)) AND ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))	TO INTERSECTION OF ROUTE 0407 (LINCOLN MEMORIAL CIRCLE TOUR BUS ACCESS) AND ROUTE 0508 (DANIEL FRENCH DRIVE SW)		7	0.07	0.00	0.07	

#### NAMA-0025ZZ 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						
0025AZ	19174	5	LINCOLN MEMORIAL CIRCLE NW	FROM PARK BOUNDARY / MEMORIAL BRIDGE (EASTBOUND)	TO ROUTE 0019 (HENRY BACON DRIVE NW)		7	0.19	0.00	0.19	
0025BZ	19174	5	LINCOLN MEMORIAL CIRCLE SW	FROM PARK BOUNDARY / MEMORIAL BRIDGE (EASTBOUND)	TO ROUTE 0023ZZ (23RD STREET SW)		7	0.09	0.00	0.09	



# NPS/RIP Subcomponent Details for NAMA

Road Inventory Program 01/24/2014

(Numerical By Subcomponent #)

Page 6 of 6

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

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

## NAMA

### NATIONAL MALL AND MEMORIAL PARKS

#### NAMA-0027ZZ 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
0027AZ	19179	5	OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND)	FROM ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO ROUTES 0012AZ (EAST BASIN DRIVE SW (WESTBOUND))		7	0.68	0.00	0.68	
0027BZ	19179	5	OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (SOUTHBOUND)	FROM ROUTE 0012AZ (EAST BASIN DRIVE SW (WESTBOUND))	TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		7	0.68	0.00	0.68	

#### NAMA-0522ZZ 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
0522AZ	N/A	5	NORTHBOUND I-395 RAMP FROM NCR HEADQUARTERS	FROM END OF ROUTE 0014 (NAMA - MAIN STREET)	TO INTERSTATE 395 (NORTHBOUND)		7	0.10	0.00	0.10	
0522BZ	N/A	5	NORTHBOUND I-395 RAMP TO NCR HEADQUARTERS	FROM INTERSTATE 395 (NORTHBOUND)	TO END OF ROUTE 0014 (NAMA - MAIN STREET)		7	0.10	0.00	0.10	

#### NAMA-0939BZZ 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
0939BAZ	49927	5	EAST POTOMAC PARK TOURMOBILE PARKING - FRONT	FROM ROUTE 0013 (BUCKEYE DRIVE SW)	TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)			0.00	0.00	0.00	10,927
0939BBZ	49927	5	EAST POTOMAC PARK TOURMOBILE PARKING - BACK	FROM ROUTE 0014 (NAMA - MAIN STREET)	TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)			0.00	0.00	0.00	26,113

**ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE -**

**NAMA**

THE PARK ALPHA CHANGED FROM NACC TO NAMA IN CYCLE 5

<b>ROUTES ADDED FROM PREVIOUS INVENTORY:</b>			
<b>Route #</b>	<b>Route Name</b>	<b>Reason for Addition</b>	<b>Comments</b>
0406	TITANIC MEMORIAL SERVICE ROAD	OTHER	ADDED TO INVENTORY IN CYCLE 5 THROUGH ALIGNMENT. ROUTE WAS MANUALLY RATED.
0409	CONSTITUTION GARDENS BUS LOOP	OTHER	ROUTE ADDED TO INVENTORY IN CYCLE 5. FMSS NUMBER NOT AVAILABLE AT THE TIME OF THIS REPORT PUBLICATION.
0522ZZ	NORTHBOUND I-395 ON/OFF RAMPS AT NCR HEADQUARTERS	OTHER	ROUTE ADDED TO INVENTORY IN CYCLE 5 TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM). FMSS NUMBER NOT AVAILABLE AT THE TIME OF THIS REPORT PUBLICATION.
0958	JEFFERSON MEMORIAL CLOSED PARKING LOT	OTHER	PARKING AREA ADDED TO THE INVENTORY TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM). PARKING LOT IS PERMANENTLY CLOSED TO PUBLIC PARKING FOR SECURITY REASONS. FMSS NUMBER NOT AVAILABLE AT THE TIME OF THIS REPORT PUBLICATION.
5000E	PENNSYLVANIA AVENUE NW (EASTBOUND)	OTHER	NON-NPS ROAD ADDED TO INVENTORY IN CYCLE 5.
5000W	PENNSYLVANIA AVENUE NW (WESTBOUND)	OTHER	NON-NPS ROAD ADDED TO INVENTORY IN CYCLE 5.
5001	3RD STREET (SW AND NW)	OTHER	NON-NPS ROAD ADDED TO INVENTORY IN CYCLE 5.
5002	4TH STREET (SW AND NW)	OTHER	NON-NPS ROAD ADDED TO INVENTORY IN CYCLE 5.
5003	7TH STREET (SW AND NW)	OTHER	NON-NPS ROAD ADDED TO INVENTORY IN CYCLE 5.
5004	14TH STREET (SW AND NW)	OTHER	NON-NPS ROAD ADDED TO INVENTORY IN CYCLE 5.

**ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE -**

**NAMA**

THE PARK ALPHA CHANGED FROM NACC TO NAMA IN CYCLE 5

ROUTES ADDED FROM PREVIOUS INVENTORY:			
Route #	Route Name	Reason for Addition	Comments
5005	COLUMBUS CIRCLE NE (AT UNION STATION)	OTHER	NON-NPS ROAD ADDED TO INVENTORY IN CYCLE 5.
ROUTES MODIFIED FROM PREVIOUS INVENTORY:			
Route #	Route Name	Type of Modification	Comments
0506	WEST BASIN DRIVE SW	REALIGNED	ROUTE WAS REALIGNED AROUND THE NEW MARTIN LUTHER KING, JR. MEMORIAL AND EXTENDED TO WESTBOUND INDEPENDENCE AVENUE. DC QUADRANT ADDED TO THE ROUTE NAME TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).

**ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE -**

**NAMA**

THE PARK ALPHA CHANGED FROM NACC TO NAMA IN CYCLE 5

OTHER CHANGES FROM PREVIOUS INVENTORY:			
Route #	Route Name	Type of Change	Comments
0010	CONSTITUTION AVENUE NW	ROUTE NAME	DC QUADRANT ADDED TO THE ROUTE NAME TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0011ZZ	OHIO DRIVE SW	OTHER	ADDITIONAL SECTIONS OF ROAD (0011DZ AND 0011EZ) WERE COLLECTED WITH ROUTE 0011ZZ IN CYCLE 5, AND ROUTE NAMES WERE UPDATED TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0012ZZ	EAST BASIN DRIVE SW	OTHER	ROUTE NAMES WERE UPDATED IN CYCLE 5. THE SPUR RAMP TO MAINE AVENUE SW EASTBOUND WAS ADDED (0012BBZ). THE ACCESS SPUR (CYCLE 4 ROUTE 0012CZ) FROM OHIO DRIVE SW (EXIT FROM HAINS POINT) WAS COMBINED INTO ROUTE 0027ZZ. ALL CHANGES WERE MADE TO ALIGN THE ROUTE WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0016ZZ	ROCK CREEK AND POTOMAC PARKWAY	OTHER	THE SOUTHBOUND DIRECTION OF THE ROCK CREEK AND POTOMAC PARKWAY WAS ADDED TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM). BOTH DIRECTIONS ARE IN THE ROAD INVENTORY DUE TO SEPARATION BY A MEDIAN.
0017ZZ	PARKWAY DRIVE NW AND SPURS	ROUTE NAME	ROUTE NAME CHANGED FROM "POTOMAC PARKWAY NW ROADS" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0018ZZ	23RD STREET NW	OTHER	THE NORTHBOUND AND SOUTHBOUND DIRECTIONS WERE COLLECTED SEPARATELY BECAUSE A MEDIAN SEPARATES TRAVEL DIRECTIONS. THIS CHANGE WAS MADE TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0019	HENRY BACON DRIVE NW	ROUTE NAME	DC QUADRANT WAS UPDATED FROM SW TO NW IN CYCLE 5 TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0020ZZ	17TH STREET NW AND SW	OTHER	17TH STREET WAS SPLIT AT THE DC QUADRANT LINE (NW AND SW) TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).

**ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE -**

**NAMA**

THE PARK ALPHA CHANGED FROM NACC TO NAMA IN CYCLE 5

OTHER CHANGES FROM PREVIOUS INVENTORY:			
Route #	Route Name	Type of Change	Comments
0021ZZ	15TH STREET NW AND SW	ROUTE SPLIT	15TH STREET WAS SPLIT AT THE DC QUADRANT LINE (NW AND SW) TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0023ZZ	23RD STREET SW	OTHER	THE NORTHBOUND AND SOUTHBOUND DIRECTIONS WERE COLLECTED SEPARATELY BECAUSE A MEDIAN SEPARATES TRAVEL DIRECTIONS. THIS CHANGE WAS MADE TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0025ZZ	LINCOLN MEMORIAL CIRCLE NW AND SW	ROUTE SPLIT	THE TOUR BUS ONLY ROAD (CYCLE 4 ROUTE 0025CZ) AT THE LINCOLN MEMORIAL CIRCLE WAS SPLIT FROM ROUTE 0025ZZ IN CYCLE 5. THIS PORTION OF ROAD IS NOW ROUTE 0407 AND FUNCTIONAL CLASS 6.
0404	ASH ROAD	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 5 TO 6 BECAUSE THE ROAD IS RESTRICTED TO THE PUBLIC.
0407	LINCOLN MEMORIAL CIRCLE TOUR BUS ACCESS	OTHER	ROUTE 0407 WAS ROUTE 0025CZ IN CYCLE 4. FUNCTIONAL CLASS CHANGED FROM 7 TO 6 BECAUSE ACCESS IS ONLY FOR TOUR BUSES, NOT THE PUBLIC. FMSS NUMBER NOT AVAILABLE AT THE TIME OF THIS REPORT PUBLICATION.
0408	HAINS POINT PLAYGROUND RESTROOM SERVICE ROAD	ROUTE NUMBER	CHANGED FROM A PARKING AREA TO A ROAD IN CYCLE 5 PER PARK'S REQUEST (WAS ROUTE 0927 IN CYCLE 4). ROUTE WAS MANUALLY RATED.
0500	MADISON DRIVE NW	ROUTE NAME	DC QUADRANT ADDED TO THE ROUTE NAME TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0501	JEFFERSON DRIVE SW	ROUTE NAME	DC QUADRANT ADDED TO THE ROUTE NAME TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0502	INDEPENDENCE AVENUE SW (EASTBOUND)	ROUTE NAME	DC QUADRANT ADDED TO THE ROUTE NAME TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0503	INDEPENDENCE AVENUE SW (WESTBOUND)	ROUTE NAME	DC QUADRANT ADDED TO THE ROUTE NAME TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).

**ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE -**

**NAMA**

THE PARK ALPHA CHANGED FROM NACC TO NAMA IN CYCLE 5

**OTHER CHANGES FROM PREVIOUS INVENTORY:**

Route #	Route Name	Type of Change	Comments
0504	MAINE AVENUE SW (EASTBOUND)	ROUTE NAME	ROUTE NAME CHANGED FROM "MAINE AVENUE EASTBOUND" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0505	MAINE AVENUE SW (WESTBOUND)	ROUTE NAME	ROUTE NAME CHANGED FROM "MAINE AVENUE WESTBOUND" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0508	DANIEL FRENCH DRIVE SW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CHANGED FROM 7 TO 3 BECAUSE IT SERVES A SPECIAL PURPOSE FOR HANDICAPPED PARKING AND VISITOR DROP-OFF AT THE LINCOLN MEMORIAL. DC QUADRANT ADDED TO THE ROUTE NAME TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0509	OHIO DRIVE RAMP TO LINCOLN MEMORIAL CIRCLE	ROUTE NAME	ROUTE NAME CHANGED FROM "RAMP TO LINCOLN CIRCLE" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0510	LINCOLN MEMORIAL CIRCLE RAMP TO OHIO DRIVE	ROUTE NAME	ROUTE NAME CHANGED FROM "EXIT RAMP TO OHIO DRIVE" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0515	EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND	ROUTE NAME	ROUTE NAME CHANGED FROM "EAST TIDAL BASIN TURNAROUND" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0516	WESTBOUND TO EASTBOUND TIDAL BASIN TURNAROUND	ROUTE NAME	ROUTE NAME CHANGED FROM "EAST TIDAL BASIN TURNAROUND" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0520	JOHN ERICSSON MEMORIAL LOOP	ROUTE NAME	ROUTE NAME CHANGED FROM "LOOP AT INDEPENDENCE AVENUE AND OHIO DRIVE" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0521	OLD CONSTITUTION AVENUE TURNAROUND	OTHER	ROUTE NAME CHANGED FROM "FLOWER BOX LOOP" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM). FUNCTIONAL CLASS CHANGED FROM 7 TO 3 BECAUSE IT IS NOT AN URBAN PARKWAY.
0901	BRENTWOOD MAINTENANCE FACILITY NORTHEAST	ROUTE NAME	DC QUADRANT ADDED TO THE ROUTE NAME TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).

**ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE -**

**NAMA**

THE PARK ALPHA CHANGED FROM NACC TO NAMA IN CYCLE 5

OTHER CHANGES FROM PREVIOUS INVENTORY:			
Route #	Route Name	Type of Change	Comments
0903	USPP H-1 STABLES PARKING LOT	ROUTE NAME	ROUTE NAME CHANGED FROM "PARKING LOT AT STABLES" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0904	SURVEY LODGE PARKING AREA	ROUTE NAME	ROUTE NAME CHANGED FROM "RANGER STATION ON THE MALL" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0907	NAMA HEADQUARTERS PARKING LOT	ROUTE NAME	ROUTE NAME CHANGED FROM "NCP-CENTRAL HEADQUARTERS PARKING LOT".
0908	OHIO DRIVE TENNIS COURT PARKING LOT	ROUTE NAME	ROUTE NAME CHANGED FROM "EAST POTOMAC PARK TENNIS COURT PARKING LOT #2" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0909A	PARK POLICE ACCESS A	ROUTE SPLIT	CYCLE 4 ROUTE 0909 WAS SPLIT INTO TWO PARKING AREAS IN CYCLE 5 (CYCLE 5 ROUTES 0909A AND 0909B).
0909B	PARK POLICE ACCESS B	ROUTE SPLIT	CYCLE 4 ROUTE 0909 WAS SPLIT INTO TWO PARKING AREAS IN CYCLE 5 (CYCLE 5 ROUTES 0909A AND 0909B). FMSS NUMBER NOT AVAILABLE AT THE TIME OF THIS REPORT PUBLICATION.
0923	HAINS POINT PLAYGROUND PARKING LOT	ROUTE SPLIT	CYCLE 5 ROUTE 0923 (WAS 0923Z IN CYCLE 4) WAS SPLIT FROM ROUTE 0947 (WAS 0947Z IN CYCLE 4). ROUTE NAME CHANGED FROM "HAINS POINT OLD STATUE PARKING AREA A" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0926	HAINS POINT PARKING #16	ROUTE NAME	ROUTE NAME CHANGED FROM "HAINS POINT PARKING #15".
0928	HAINS POINT PARKING #17	ROUTE NAME	ROUTE NAME CHANGED FROM "HAINS POINT PARKING #16".
0929	HAINS POINT PARKING #18	ROUTE NAME	ROUTE NAME CHANGED FROM "HAINS POINT PARKING #17".

**ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE -**

**NAMA**

THE PARK ALPHA CHANGED FROM NACC TO NAMA IN CYCLE 5

OTHER CHANGES FROM PREVIOUS INVENTORY:			
Route #	Route Name	Type of Change	Comments
0930	HAINS POINT PARKING #18 (RESTROOM PARKING)	ROUTE NAME	ROUTE NAME CHANGED FROM "RESTROOM PARKING" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0931	HAINS POINT PARKING #19	ROUTE NAME	ROUTE NAME CHANGED FROM "HAINS POINT PARKING #18".
0932	HAINS POINT PARKING #20	ROUTE NAME	ROUTE NAME CHANGED FROM "HAINS POINT PARKING #19".
0933	HAINS POINT PARKING #21	ROUTE NAME	ROUTE NAME CHANGED FROM "HAINS POINT PARKING #20".
0934	HAINS POINT PARKING #22	ROUTE NAME	ROUTE NAME CHANGED FROM "HAINS POINT PARKING #21".
0935	HAINS POINT PARKING #23	ROUTE NAME	ROUTE NAME CHANGED FROM "HAINS POINT PARKING #22".
0936	HAINS POINT PARKING #24	ROUTE NAME	ROUTE NAME CHANGED FROM "HAINS POINT PARKING #23".
0937	HAINS POINT PARKING #25	ROUTE NAME	ROUTE NAME CHANGED FROM "HAINS POINT PARKING #24".
0939A	EAST POTOMAC PARK MAINTENANCE YARD	ROUTE SPLIT	ROUTES 0939A AND 0939BZZ WERE SPLIT FROM CYCLE 4 ROUTE 0939 IN CYCLE 5.
0939BZZ	EAST POTOMAC PARK TOURMOBILE PARKING	ROUTE SPLIT	ROUTES 0939A AND 0939BZZ WERE SPLIT FROM CYCLE 4 ROUTE 0939 IN CYCLE 5.
0940	BUCKEYE DRIVE TENNIS COURT PARKING LOT	ROUTE NAME	ROUTE NAME CHANGED FROM "EAST POTOMAC PARK TENNIS COURT PARKING #1" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).



**ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE -**

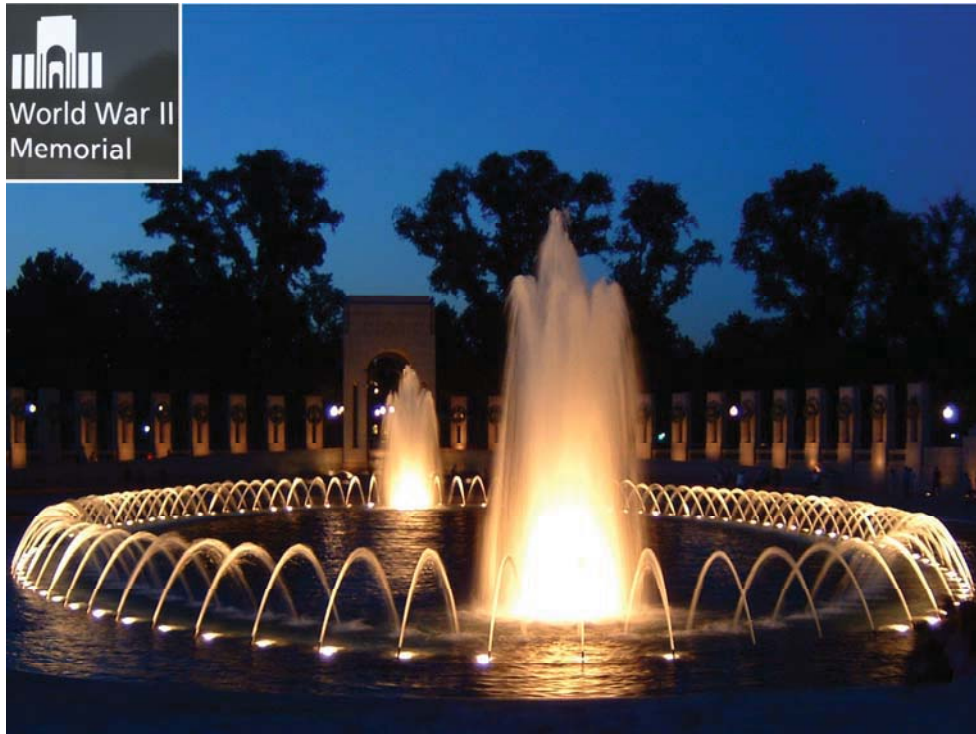
**NAMA**

THE PARK ALPHA CHANGED FROM NACC TO NAMA IN CYCLE 5

OTHER CHANGES FROM PREVIOUS INVENTORY:			
Route #	Route Name	Type of Change	Comments
0942	EAST POTOMAC PARK BUS TURNAROUND	ROUTE NAME	ROUTE NAME CHANGED FROM "BUS TURNAROUND" TO ALIGN WITH IMARS (INCIDENT MANAGEMENT AND REPORTING SYSTEM).
0946	FDR MEMORIAL HANDICAPPED PARKING	OTHER	FMSS NUMBER NOT AVAILABLE AT THE TIME OF THIS REPORT PUBLICATION.
0947	HAINS POINT PARKING #15	ROUTE SPLIT	CYCLE 5 ROUTE 0947 (WAS 0947Z IN CYCLE 4) WAS SPLIT FROM ROUTE 0923 (WAS 0923Z IN CYCLE 4). ROUTE NAME CHANGED FROM "HAINS POINT PARKING AREA B". FMSS NUMBER NOT AVAILABLE AT THE TIME OF THIS REPORT PUBLICATION.
0957	WORLD WAR II / HOMEFRONT DRIVE HANDICAPPED PARKING	ROUTE NAME	ROUTE NAME CHANGED FROM "HOME FRONT DRIVE TOUR BUS PARKING".
5507	I-395 SOUTH RAMP TO OHIO DRIVE SW	ROUTE NUMBER	PARK DOES NOT OWN OR MAINTAIN THIS RAMP. THE RAMP WAS ROUTE 0507 IN CYCLE 4. IT WAS CHANGED TO A NON-NPS ROAD IN CYCLE 5.

# Section 3

## Park Summary Information



## National Mall and Memorial Parks



Federal Lands Highway  
Road Inventory Program

## NAMA: 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									
2									
3									
4									
5									
6									
7	2.00	11.76%	5.80	34.10%	5.22	30.69%	3.99	23.46%	17.01
8									
<b>Totals</b>	<b>2.00</b>	<b>11.76%</b>	<b>5.80</b>	<b>34.10%</b>	<b>5.22</b>	<b>30.69%</b>	<b>3.99</b>	<b>23.46%</b>	<b>17.01</b>

**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.

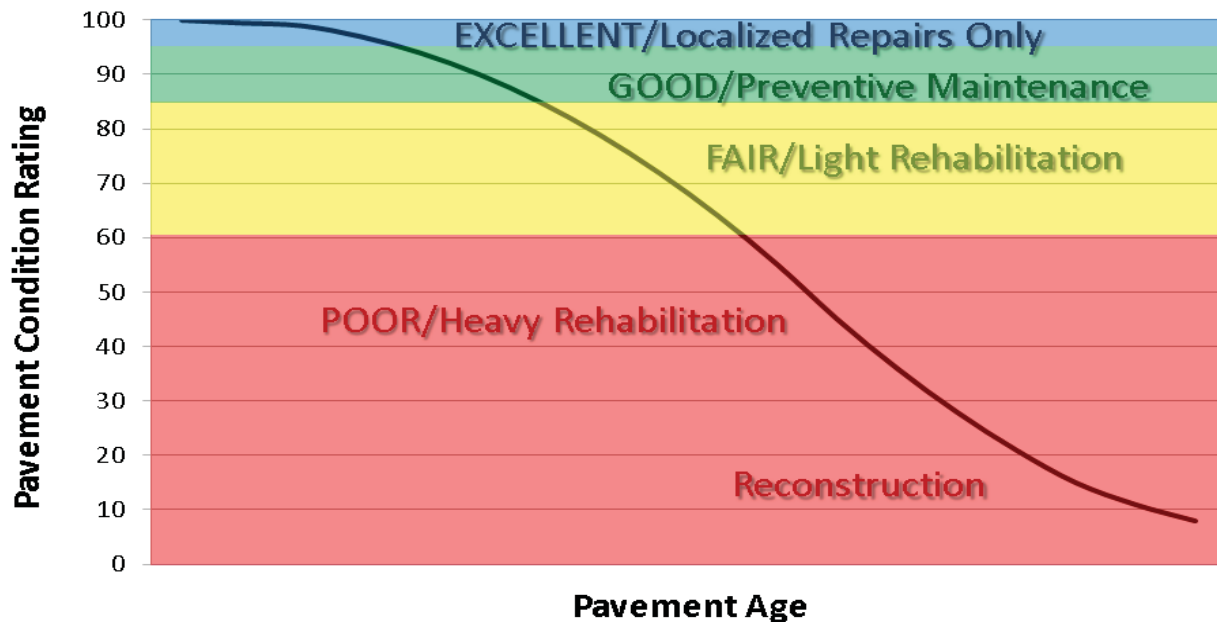
### Explanation of the Excellent, Good, Fair and Poor Condition Descriptions

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.

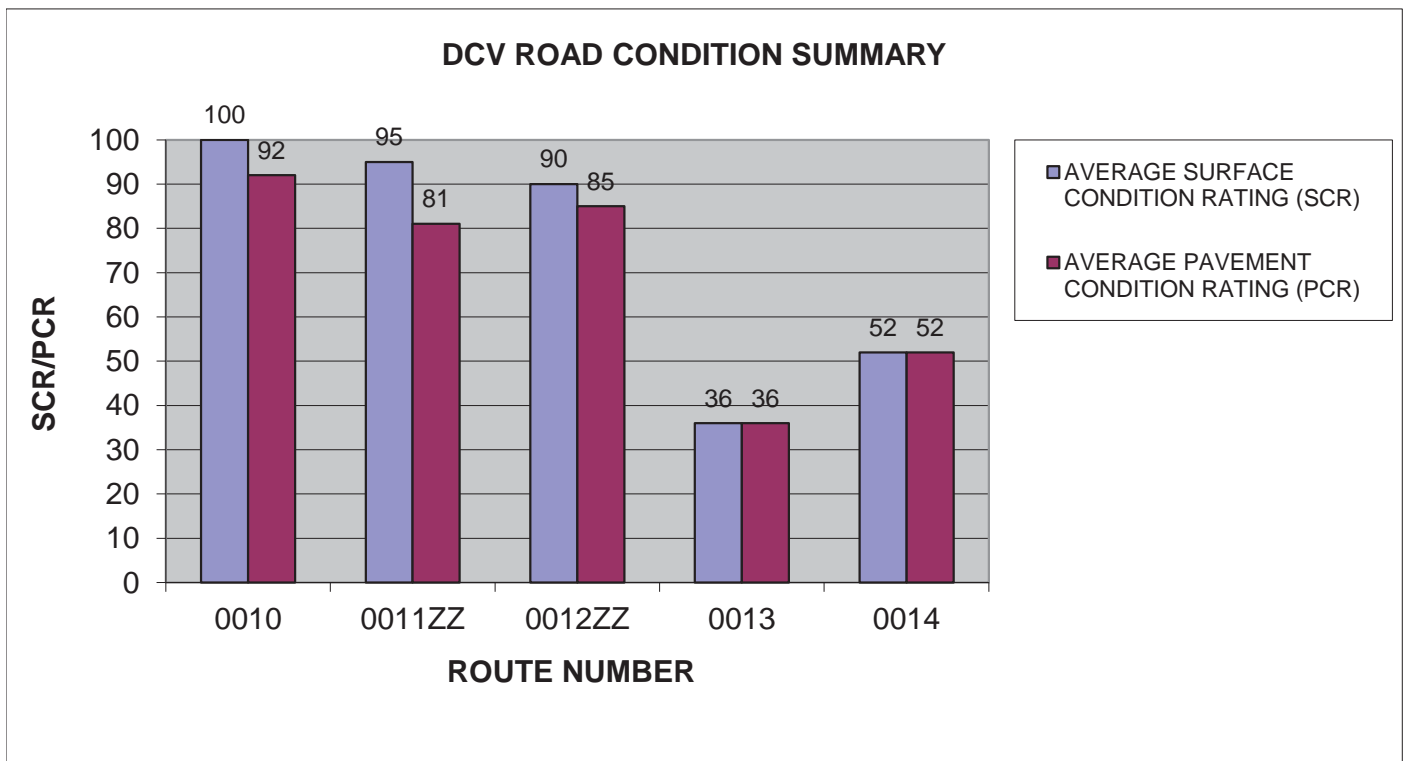
### Condition Categories and Treatments



# NAMA: DCV ROAD CONDITION SUMMARY

DCV - Data Collection Vehicle

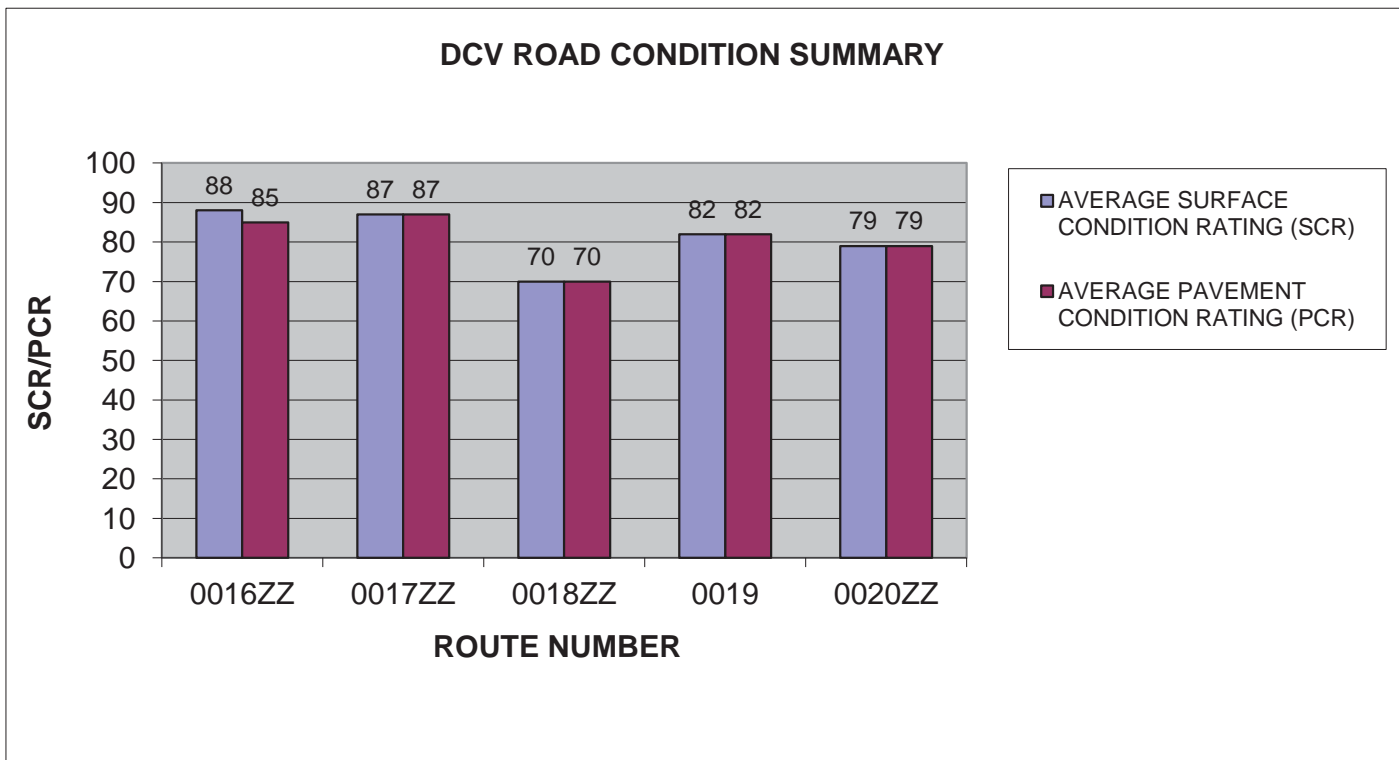
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	PAVED LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0010	CONSTITUTION AVENUE NW	7	0.88	ASPHALT	100	92
0011ZZ	OHIO DRIVE SW	7	2.05	ASPHALT	95	81
0012ZZ	EAST BASIN DRIVE SW	7	0.76	ASPHALT	90	85
0013	BUCKEYE DRIVE SW	7	0.34	ASPHALT	36	36
0014	NAMA - MAIN STREET	7	0.09	ASPHALT	52	52



# NAMA: DCV ROAD CONDITION SUMMARY

DCV - Data Collection Vehicle

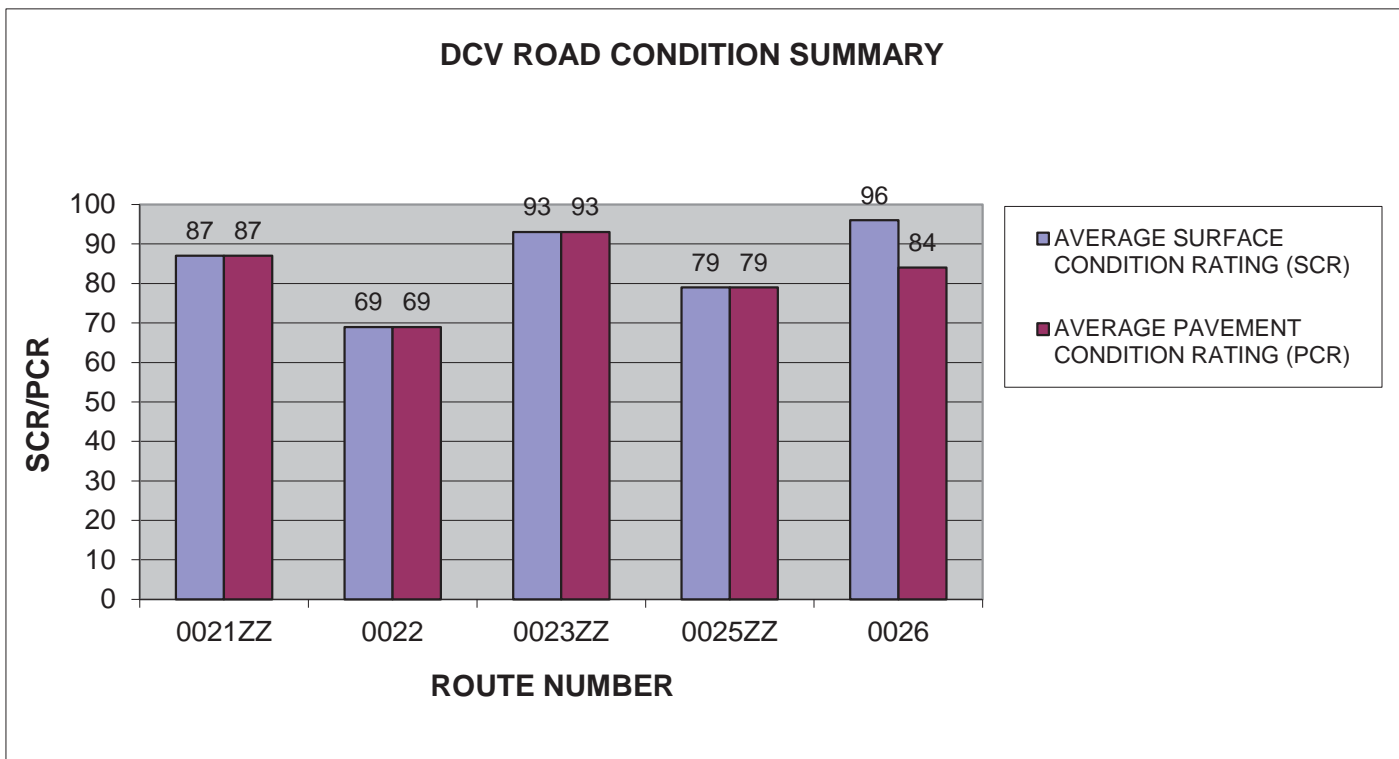
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	PAVED LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0016ZZ	ROCK CREEK AND POTOMAC PARKWAY	7	1.21	ASPHALT	88	85
0017ZZ	PARKWAY DRIVE NW AND SPURS	7	0.39	ASPHALT	87	87
0018ZZ	23RD STREET NW	7	0.22	ASPHALT	70	70
0019	HENRY BACON DRIVE NW	7	0.15	ASPHALT	82	82
0020ZZ	17TH STREET NW AND SW	7	0.35	ASPHALT	79	79



# NAMA: DCV ROAD CONDITION SUMMARY

DCV - Data Collection Vehicle

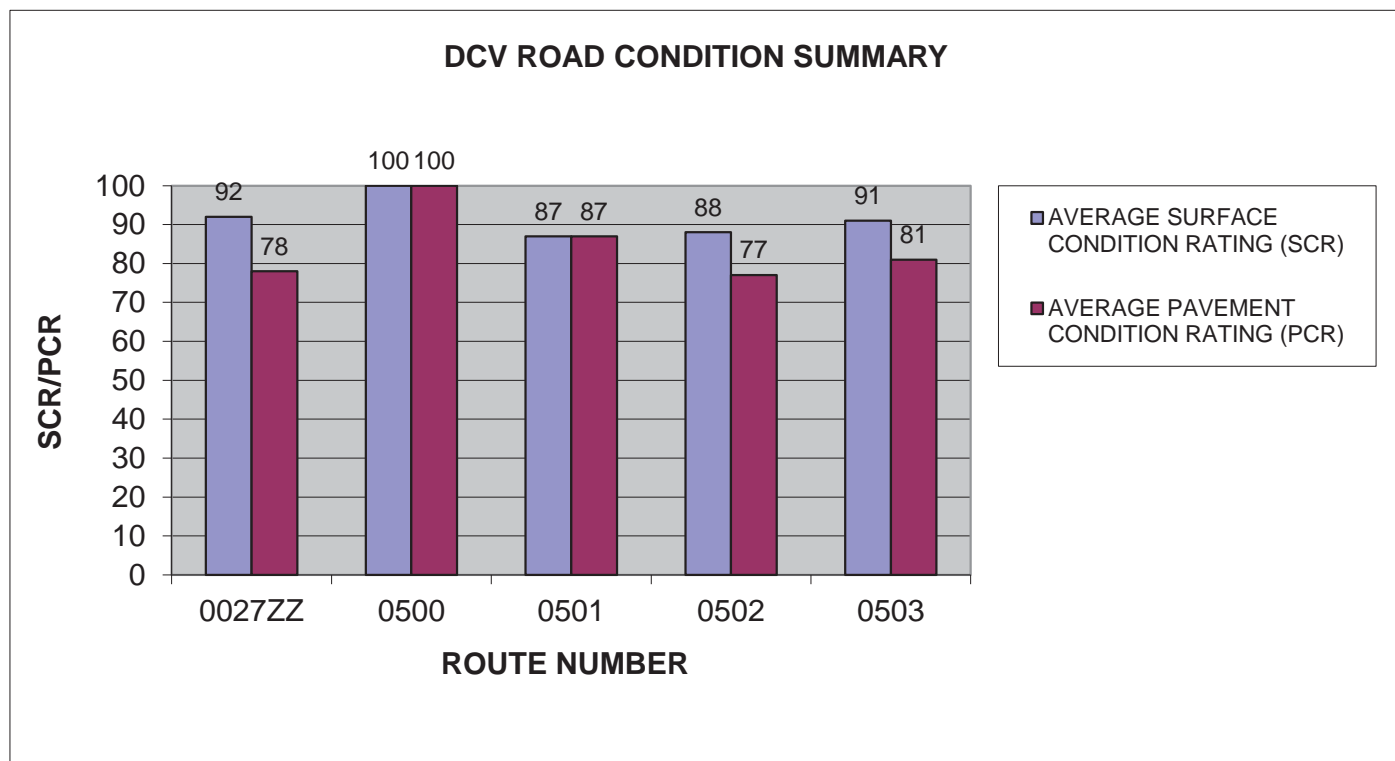
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	PAVED LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0021ZZ	15TH STREET NW AND SW	7	0.55	ASPHALT	87	87
0022	12TH STREET SW	7	0.07	ASPHALT	69	69
0023ZZ	23RD STREET SW	7	0.13	ASPHALT	93	93
0025ZZ	LINCOLN MEMORIAL CIRCLE NW AND SW	7	0.28	ASPHALT	79	79
0026	OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD	7	2.52	ASPHALT	96	84



# NAMA: 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)
0027ZZ	OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD	7	1.35	ASPHALT	92	78
0500	MADISON DRIVE NW	7	0.96	ASPHALT	100	100
0501	JEFFERSON DRIVE SW	7	0.97	ASPHALT	87	87
0502	INDEPENDENCE AVENUE SW (EASTBOUND)	7	0.99	ASPHALT	88	77
0503	INDEPENDENCE AVENUE SW (WESTBOUND)	7	1.00	ASPHALT	91	81

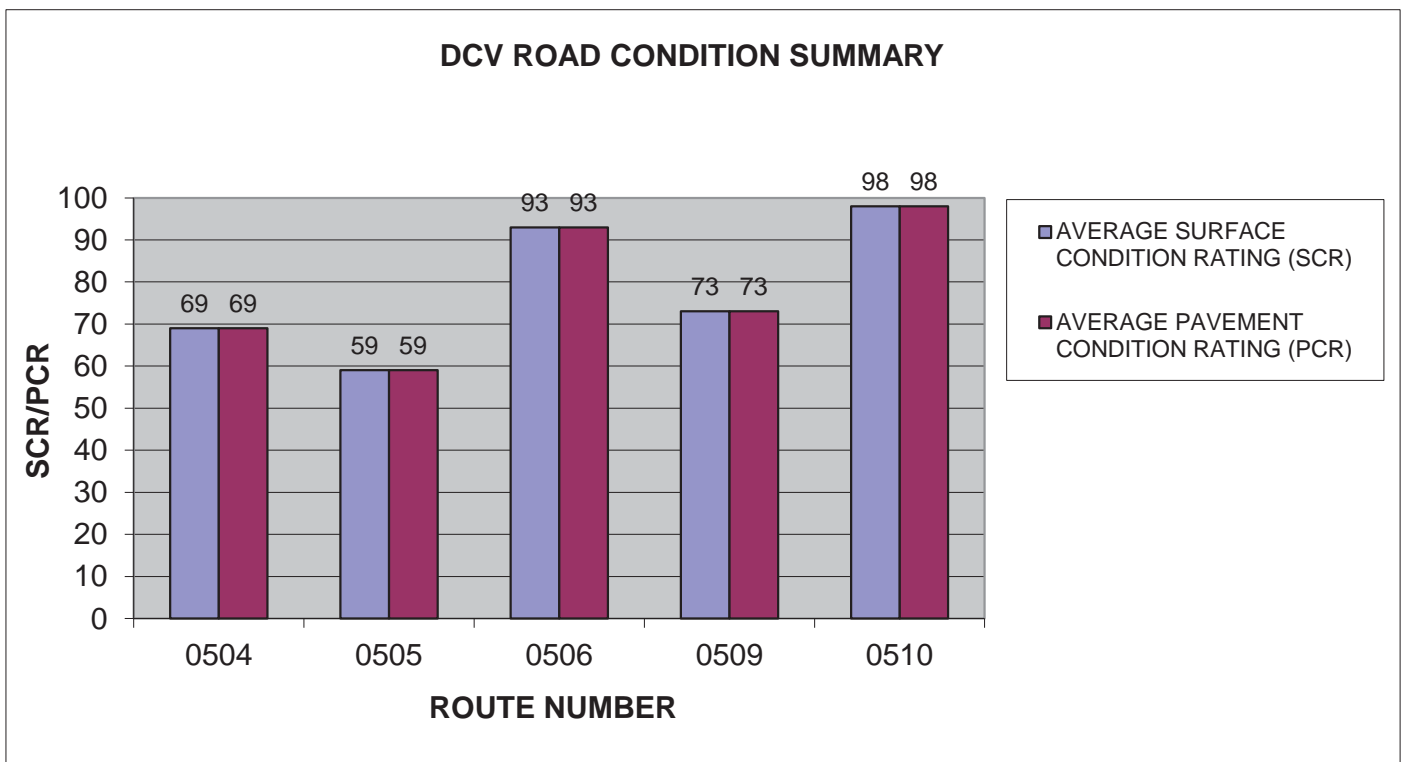




# NAMA: DCV ROAD CONDITION SUMMARY

DCV - Data Collection Vehicle

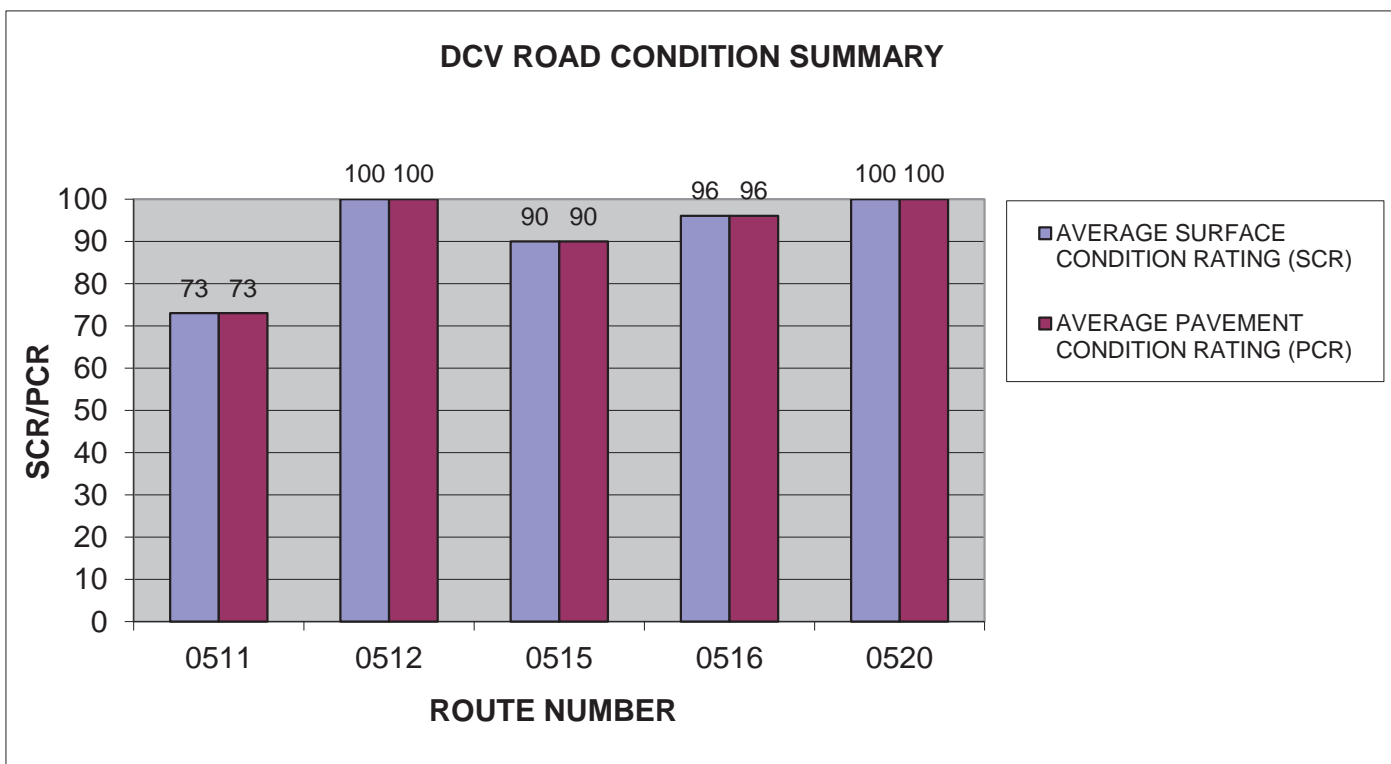
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	PAVED LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0504	MAINE AVENUE SW (EASTBOUND)	7	0.35	ASPHALT	69	69
0505	MAINE AVENUE SW (WESTBOUND)	7	0.42	ASPHALT	59	59
0506	WEST BASIN DRIVE SW	7	0.25	ASPHALT	93	93
0509	OHIO DRIVE RAMP TO LINCOLN MEMORIAL CIRCLE	7	0.11	ASPHALT	73	73
0510	LINCOLN MEMORIAL CIRCLE RAMP TO OHIO DRIVE	7	0.08	ASPHALT	98	98



# NAMA: DCV ROAD CONDITION SUMMARY

DCV - Data Collection Vehicle

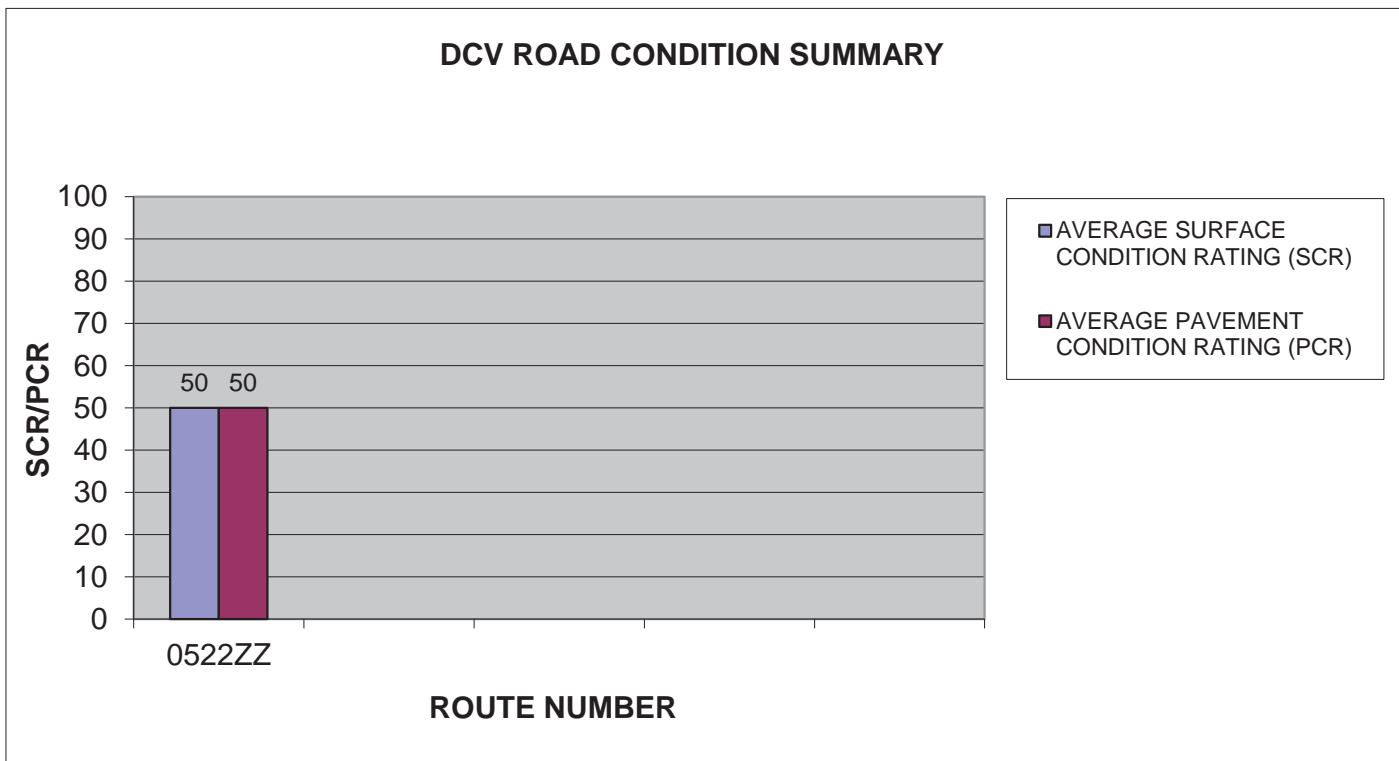
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	PAVED LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0511	12TH STREET NW (SOUTHBOUND RAMP)	7	0.10	ASPHALT	73	73
0512	12TH STREET NW (NORTHBOUND RAMP)	7	0.10	ASPHALT	100	100
0515	EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND	7	0.06	ASPHALT	90	90
0516	WESTBOUND TO EASTBOUND TIDAL BASIN TURNAROUND	7	0.04	ASPHALT	96	96
0520	JOHN ERICSSON MEMORIAL LOOP	7	0.05	ASPHALT	100	100



# NAMA: 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)
0522ZZ	NORTHBOUND I-395 ON/OFF RAMP AT NCR HEADQUARTERS	7	0.20	ASPHALT	50	50



# Section 4

## Park Route Location Maps

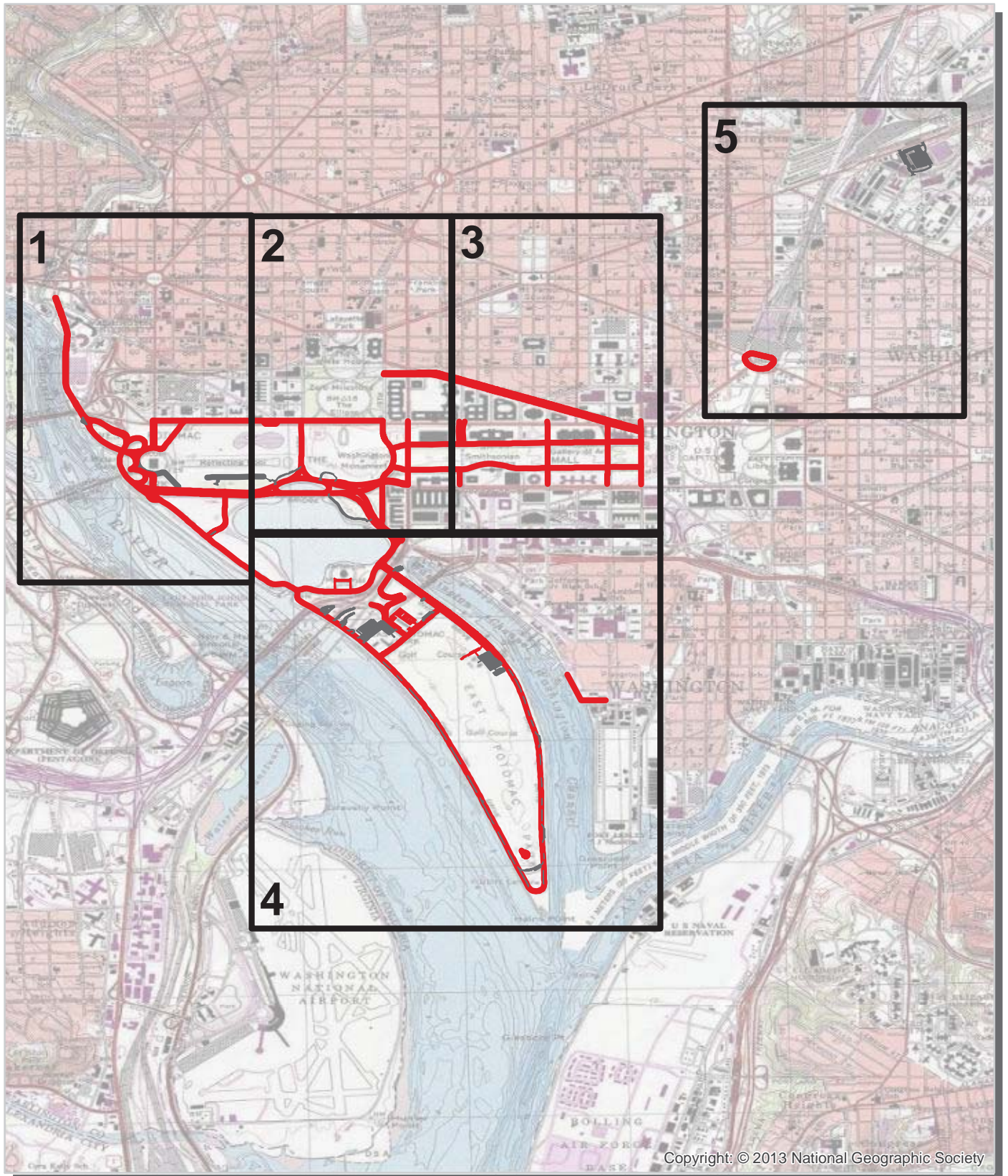


National Mall and Memorial Parks

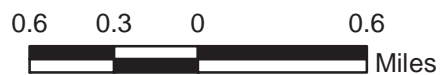


Federal Lands Highway  
Road Inventory Program

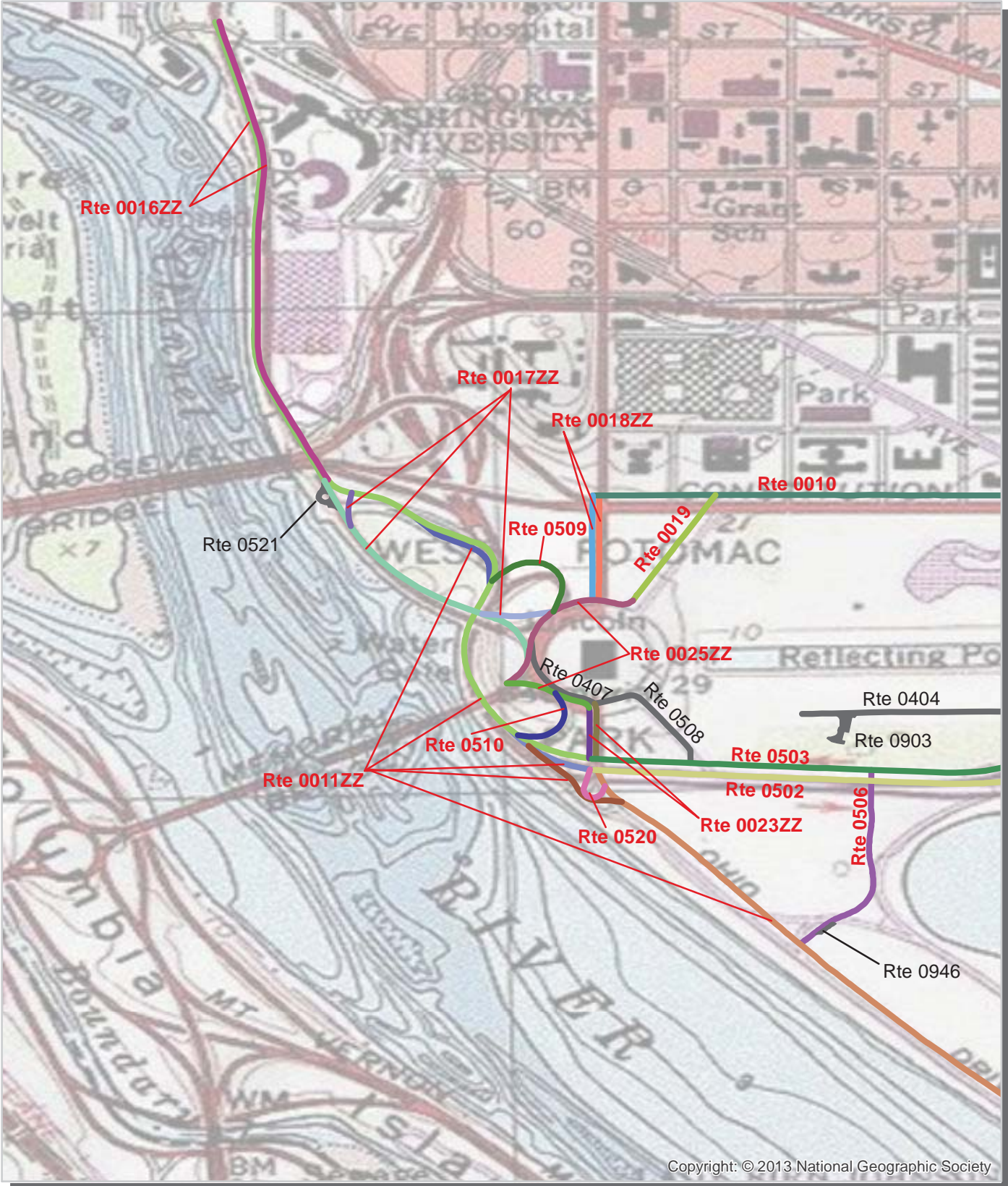
# National Mall and Memorial Parks Route Location Map Key Map



-  Cycle 5 Collected Routes
-  Routes Collected in Previous Cycle



# National Mall and Memorial Parks Route Location Map Area 1

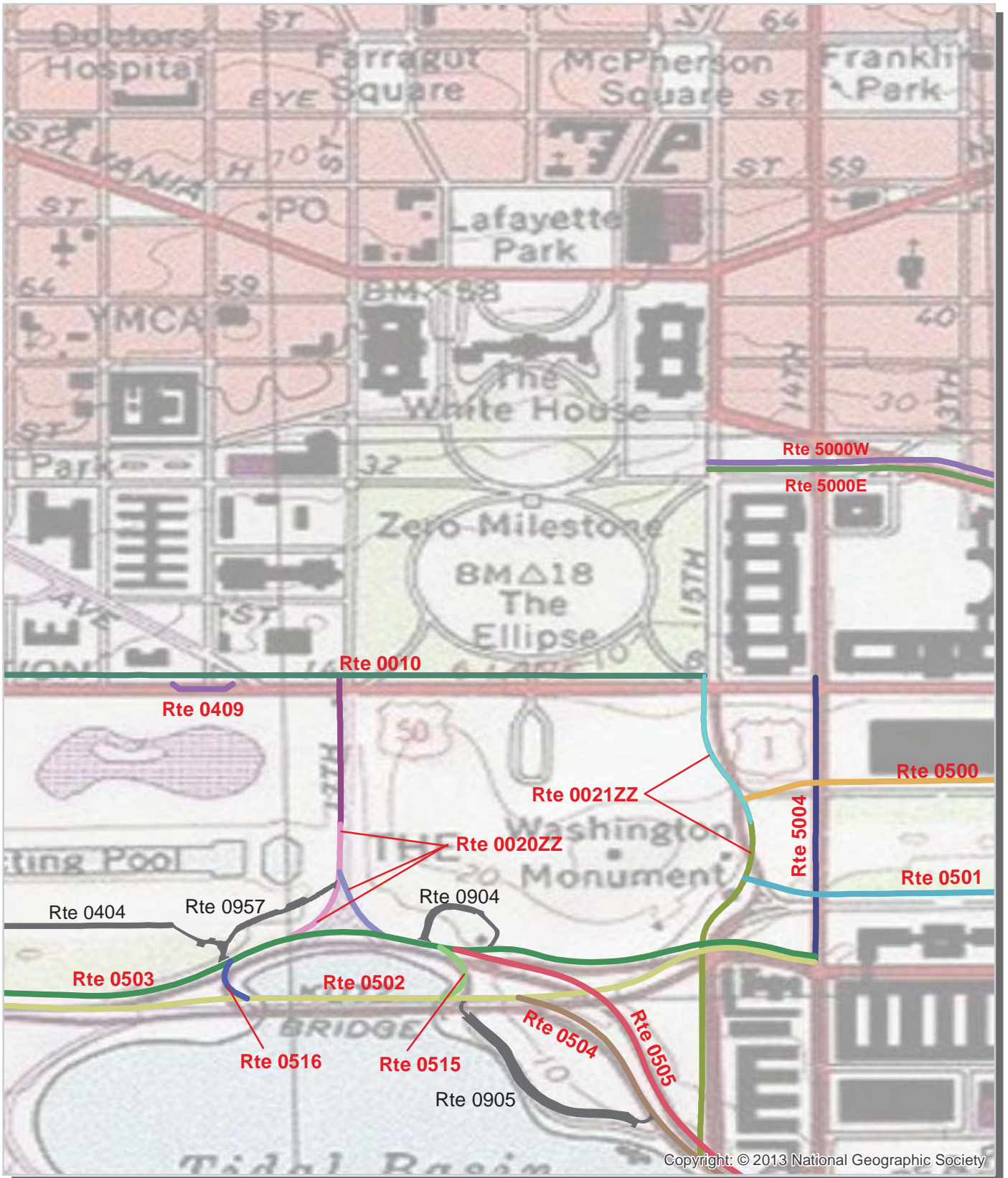


Copyright: © 2013 National Geographic Society

Unique colors used to differentiate routes  
 Routes Collected in Previous Cycle

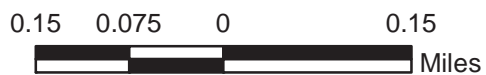


# National Mall and Memorial Parks Route Location Map Area 2

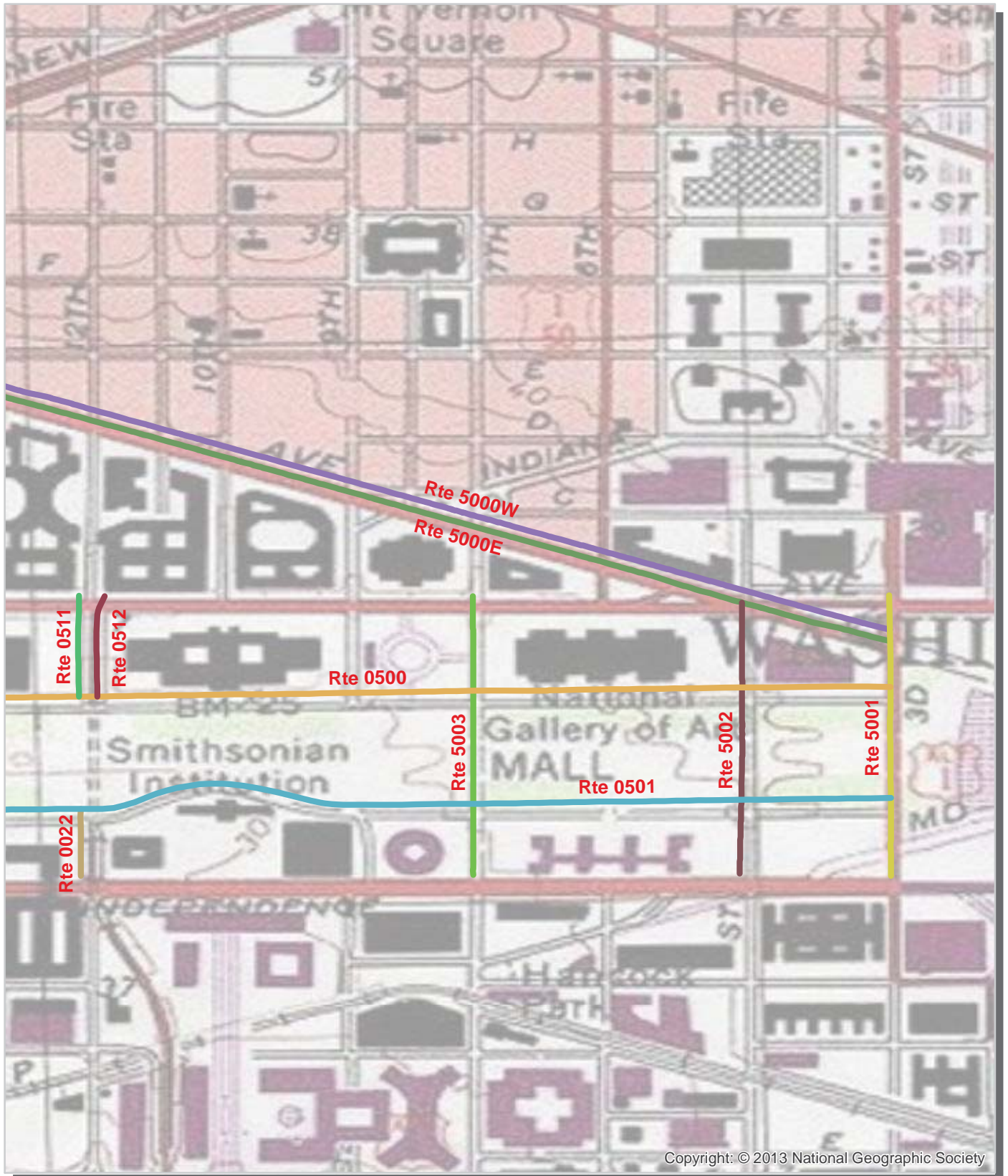


Unique colors used to differentiate routes

— Routes Collected in Previous Cycle



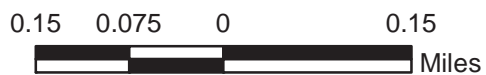
# National Mall and Memorial Parks Route Location Map Area 3



Copyright: © 2013 National Geographic Society

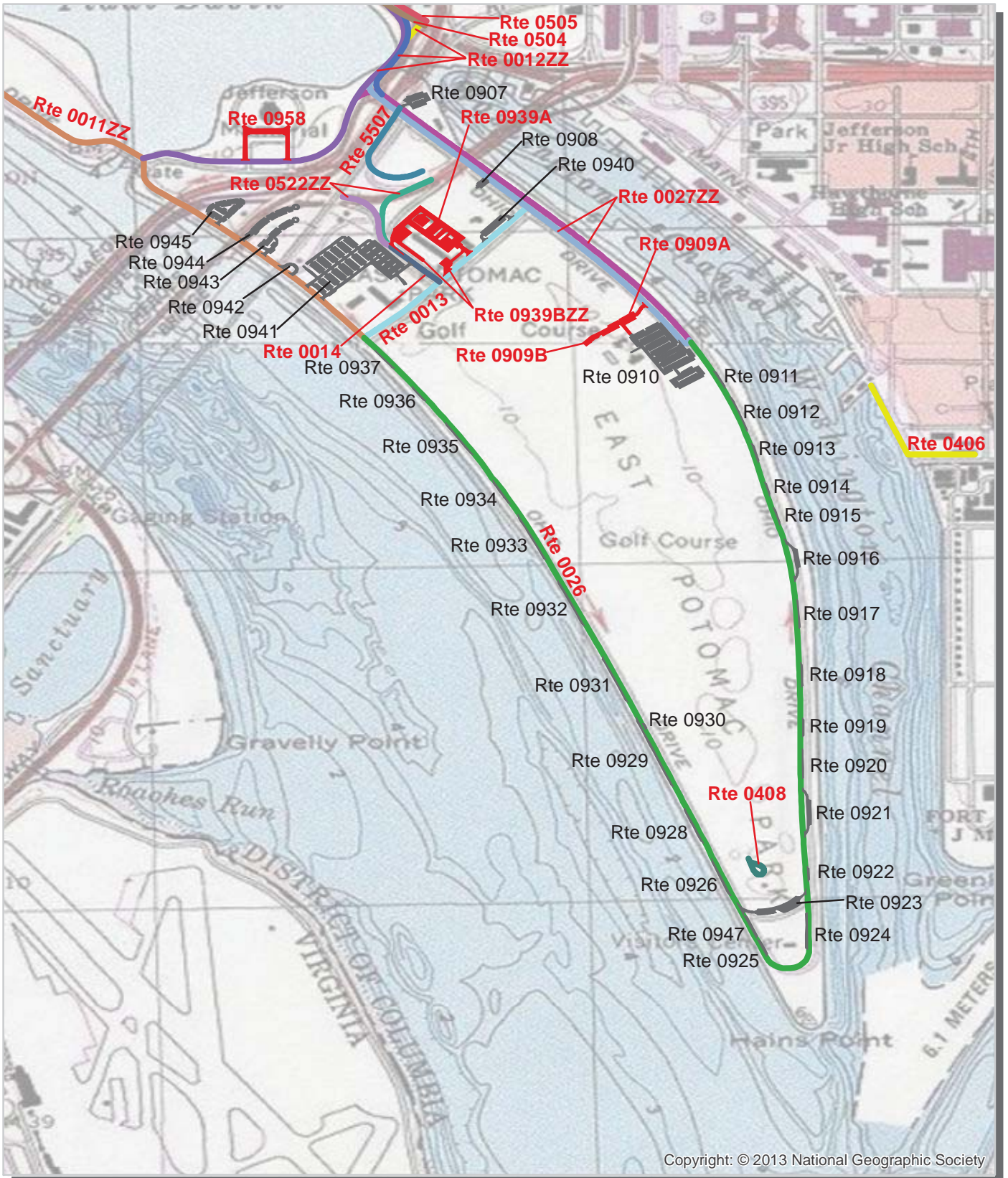
Unique colors used to differentiate routes

— Routes Collected in Previous Cycle



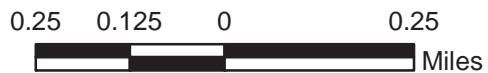


# National Mall and Memorial Parks Route Location Map Area 4

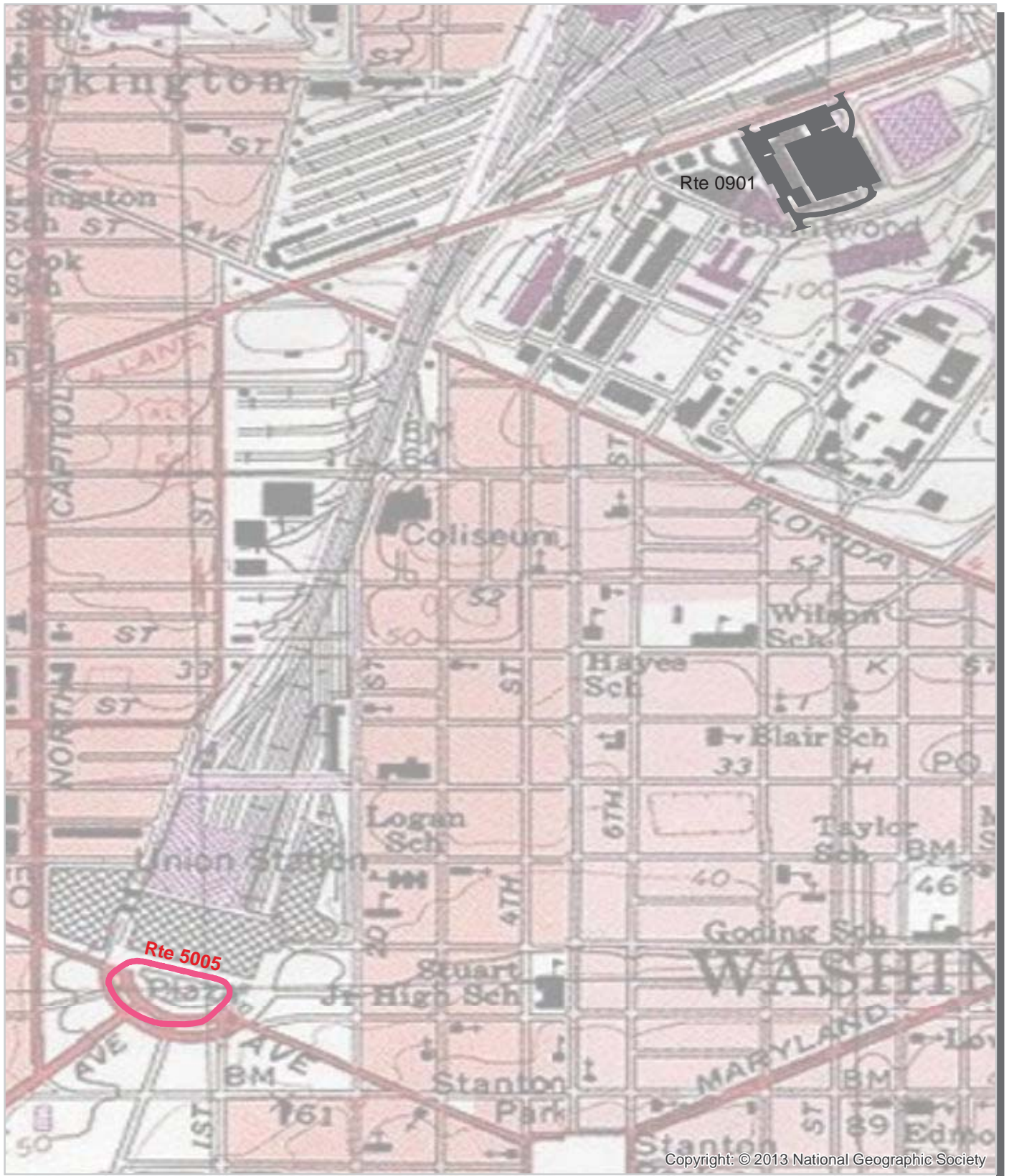


Unique colors used to differentiate routes

Routes Collected in Previous Cycle

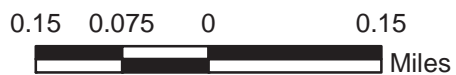


# National Mall and Memorial Parks Route Location Map Area 5

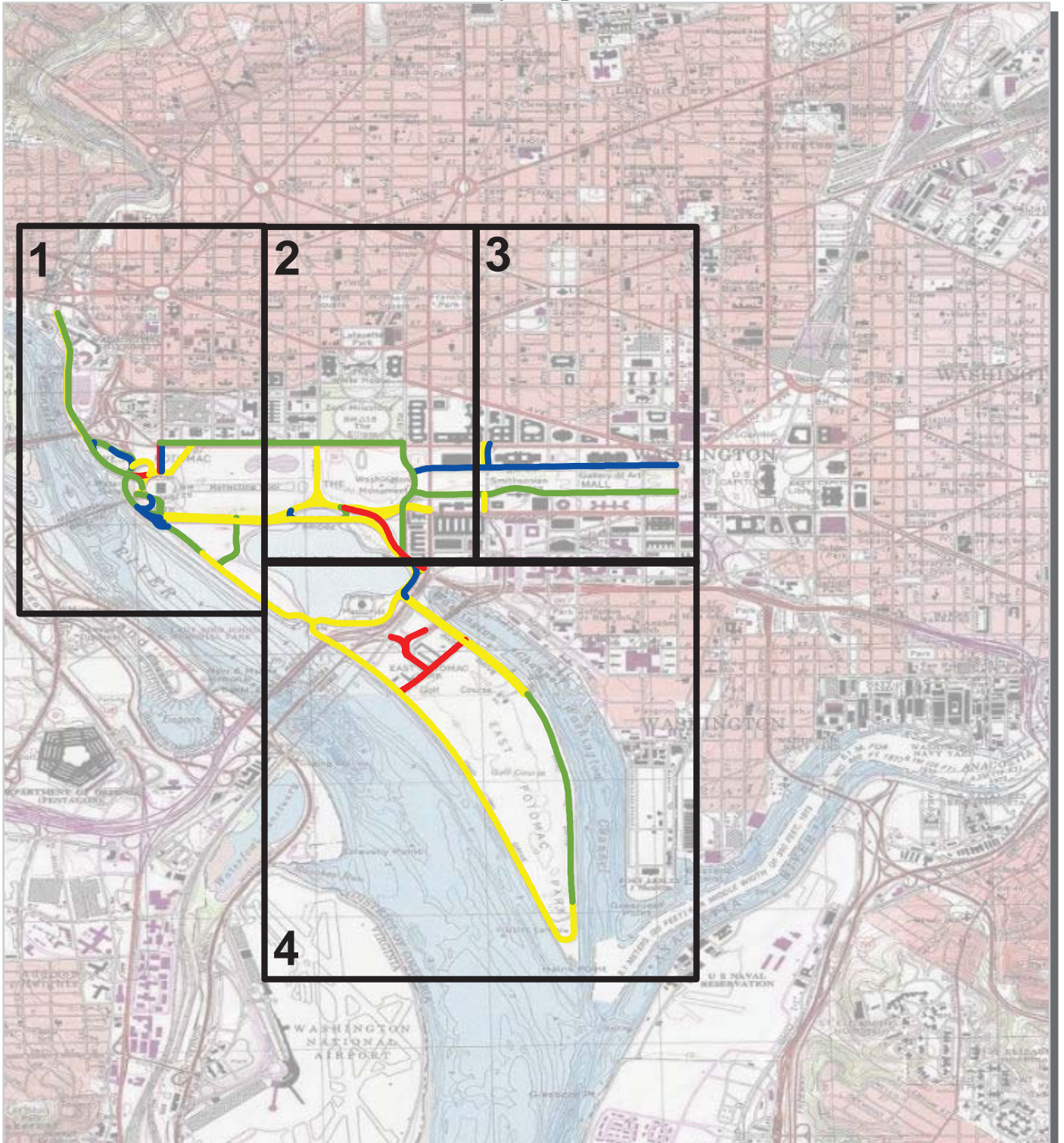


Unique colors used to differentiate routes

Routes Collected in Previous Cycle



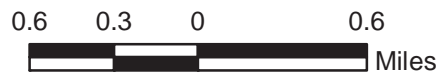
# National Mall and Memorial Parks Route Condition Map PCR - Mile by Mile Key Map



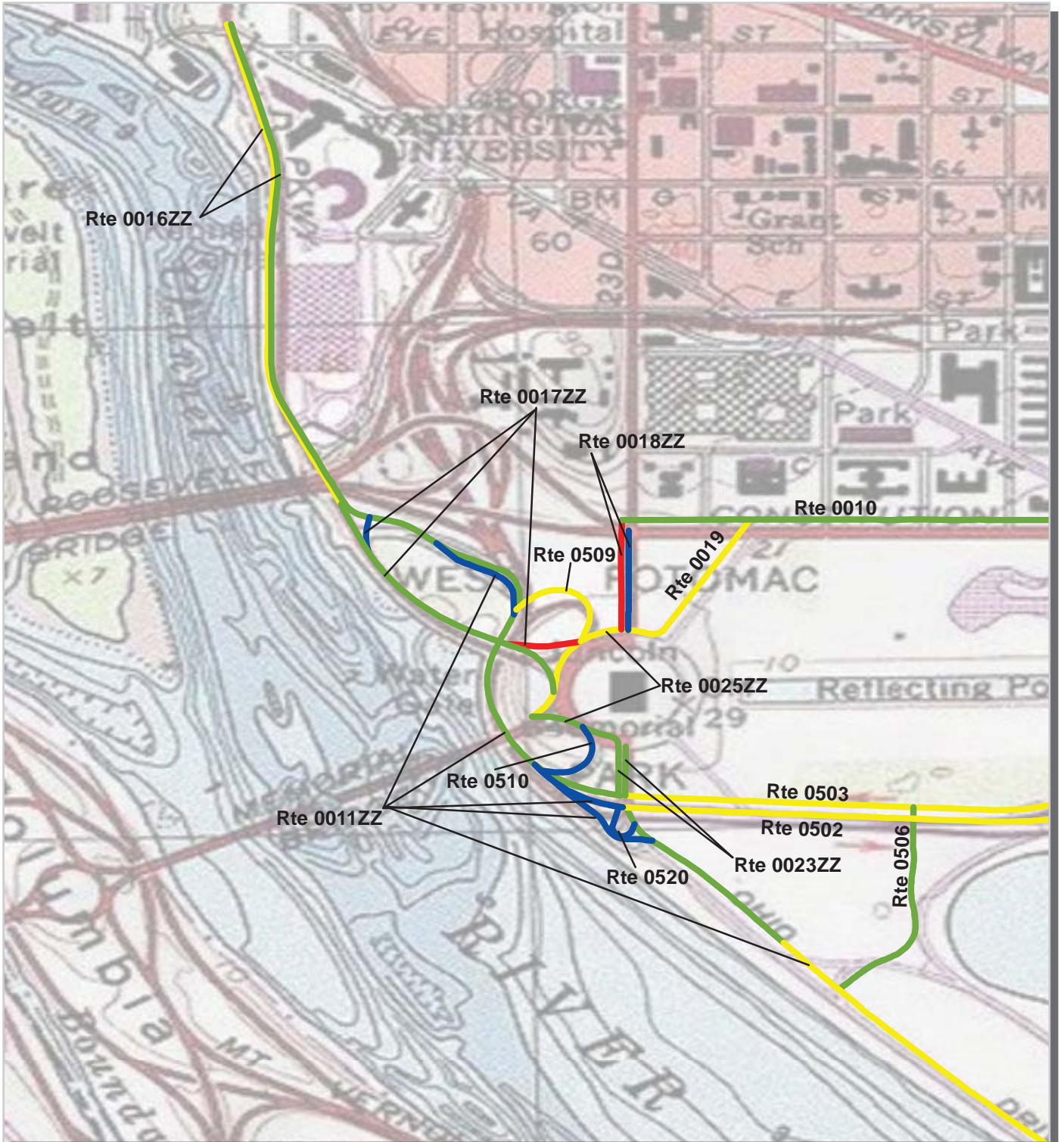
PCR	Poor <span style="color: red;">■</span> (0 - 60)	Fair <span style="color: yellow;">■</span> (61 - 84)	Good <span style="color: green;">■</span> (85 - 94)	Excellent <span style="color: blue;">■</span> (95 - 100)	No Data <span style="background-color: black; color: black;">■</span>
-----	--	--	---	--	--

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

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

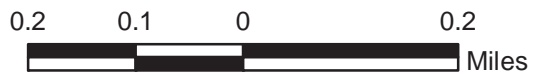


# National Mall and Memorial Parks Route Condition Map PCR - Mile by Mile Area 1

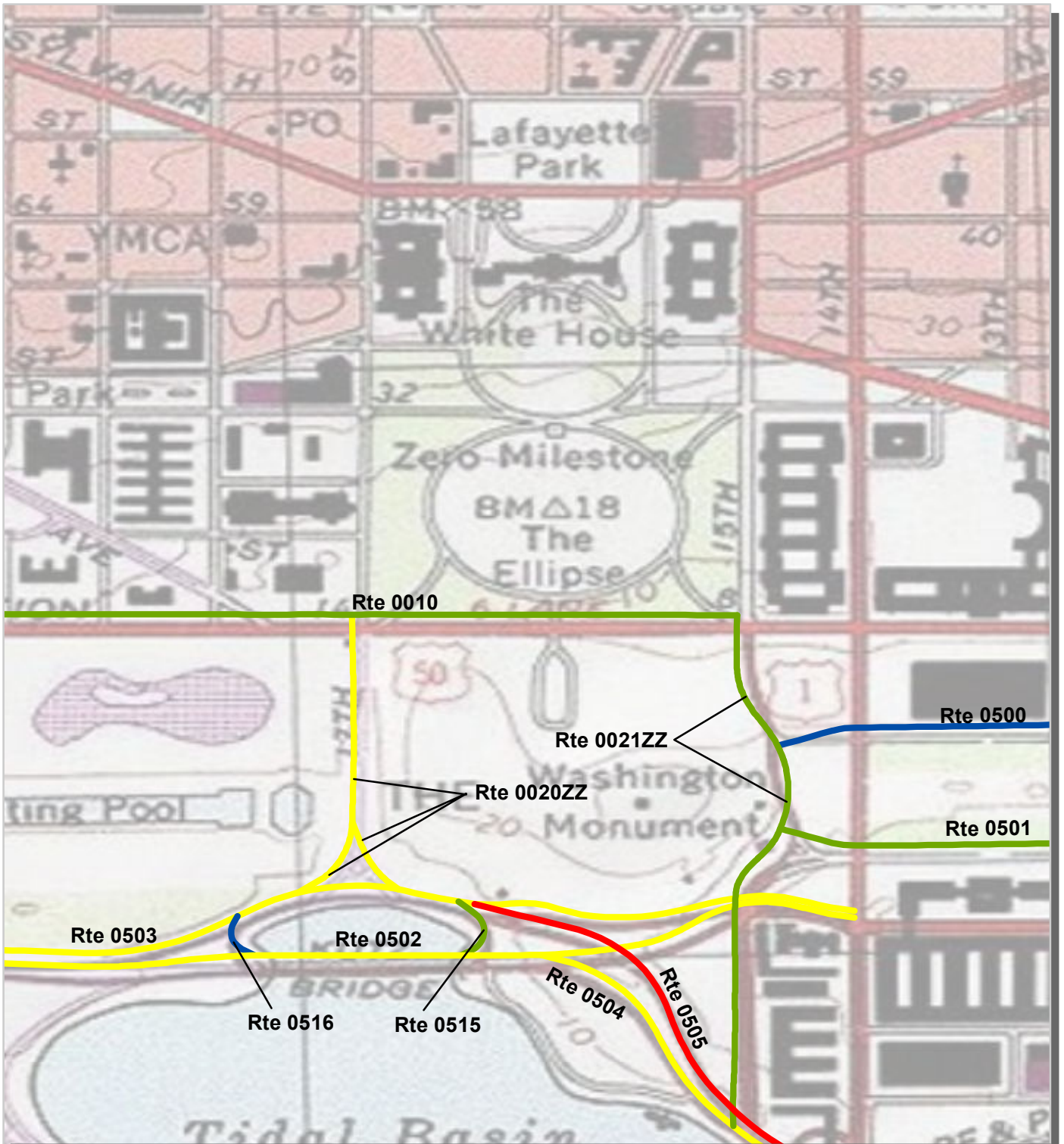


PCR	Poor	<span style="display: inline-block; width: 15px; height: 15px; background-color: red; border: 1px solid black;"></span>	Fair	<span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; border: 1px solid black;"></span>	Good	<span style="display: inline-block; width: 15px; height: 15px; background-color: green; border: 1px solid black;"></span>	Excellent	<span style="display: inline-block; width: 15px; height: 15px; background-color: blue; border: 1px solid black;"></span>	No Data	<span style="display: inline-block; width: 15px; height: 15px; background-color: black; border: 1px solid black;"></span>
	(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.



# National Mall and Memorial Parks Route Condition Map PCR - Mile by Mile Area 2

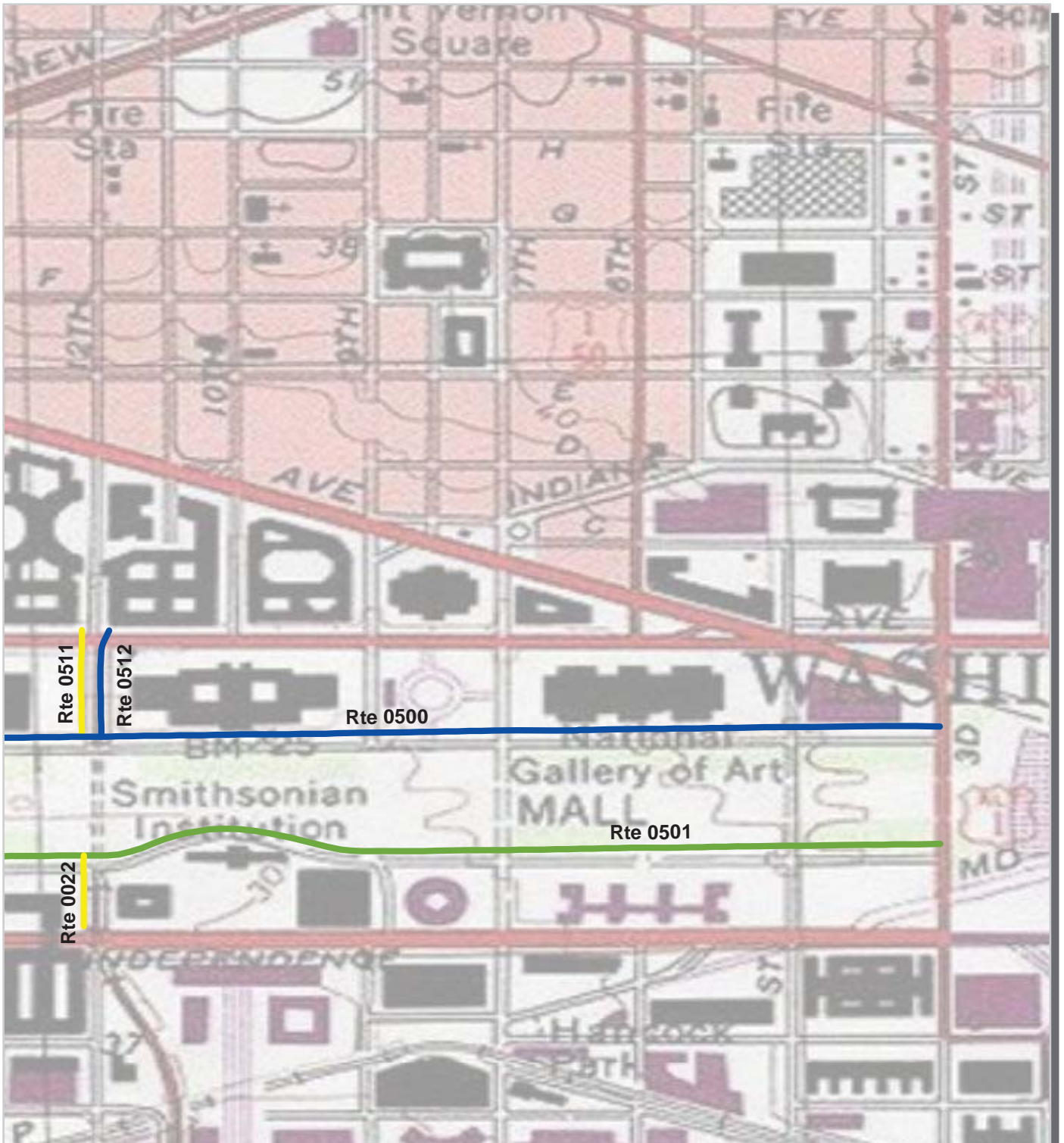


PCR	Poor	<span style="color: red;">■</span>	Fair	<span style="color: yellow;">■</span>	Good	<span style="color: green;">■</span>	Excellent	<span style="color: blue;">■</span>	No Data	<span style="color: black;">■</span>
	(0 - 60)		(61 - 84)	(85 - 94)	(95 - 100)					

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

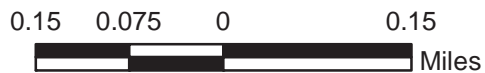


# National Mall and Memorial Parks Route Condition Map PCR - Mile by Mile Area 3

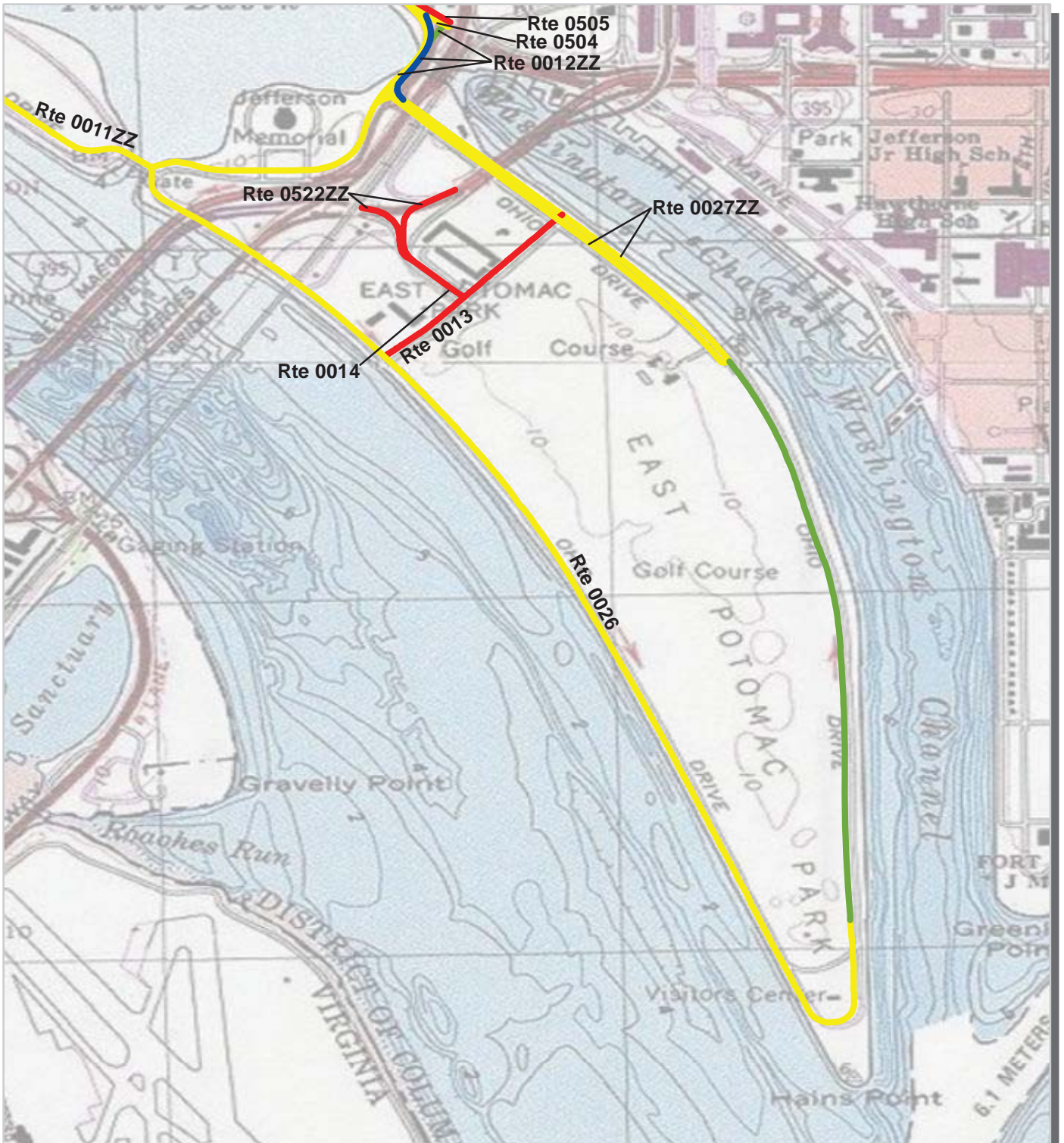


PCR	Poor	Fair	Good	Excellent	No Data
	(0 - 60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

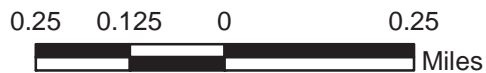


# National Mall and Memorial Parks Route Condition Map PCR - Mile by Mile Area 4



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

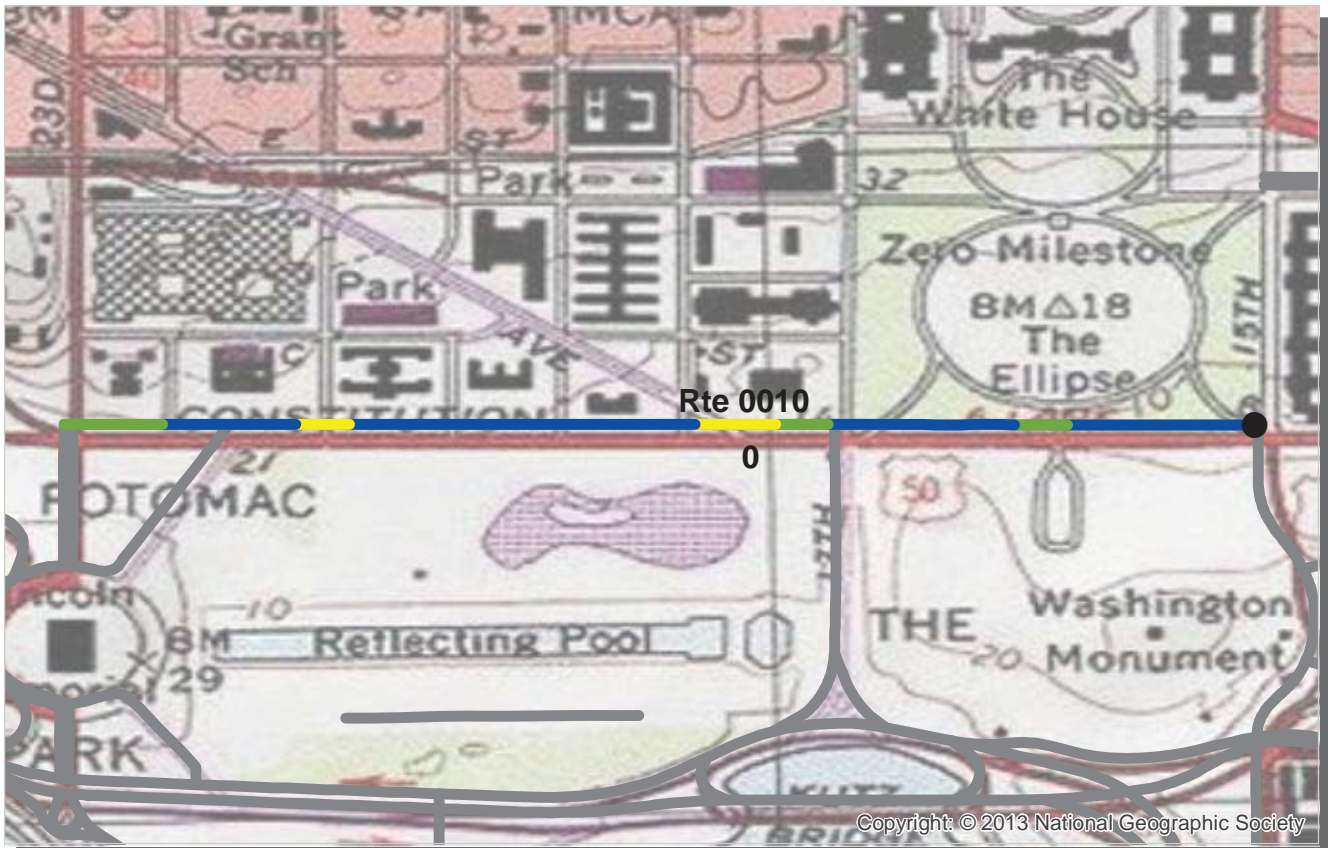


National Mall and Memorial Parks



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: 0010 CONSTITUTION AVENUE NW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.88 Miles**

**NATIONAL CAPITAL REGION**

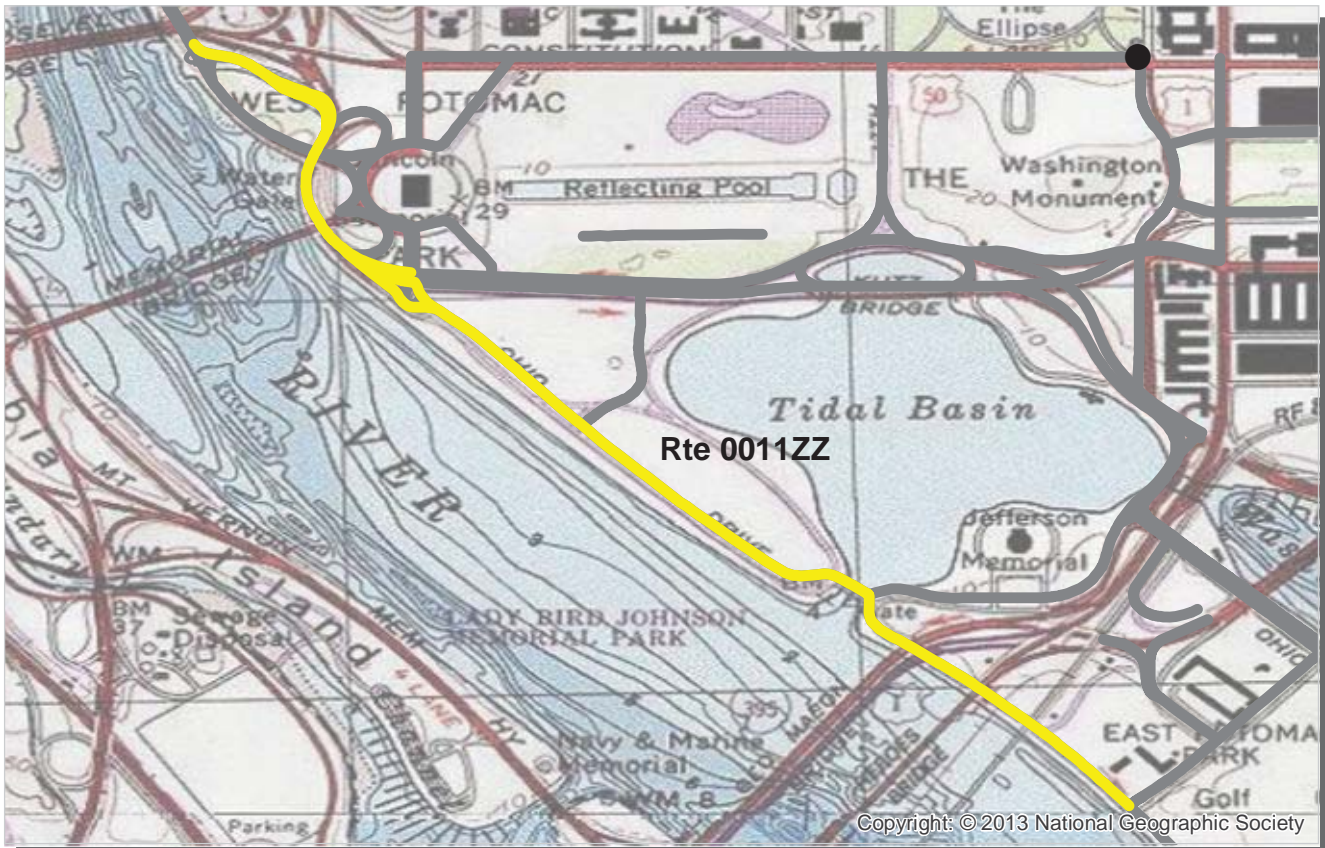
<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.88				
<i>Cross Section Information</i>					
Number of Lanes	8				
Paved Width (ft)	78				
Lane Width (ft)	10				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	100				
PCR (Pavement Condition Rating)	92				
<i>Distress Index Values</i>					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	79				

**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: 0010 CONSTITUTION AVENUE NW



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: 0011ZZ OHIO DRIVE SW**

**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Summary Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 2.05 Miles**

<b>Section Number</b>					
<b>Section Length (mi)</b>					
<b>Cross Section Information</b>					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	95				
PCR (Pavement Condition Rating)	81				
<b>Distress Index Values</b>					
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:

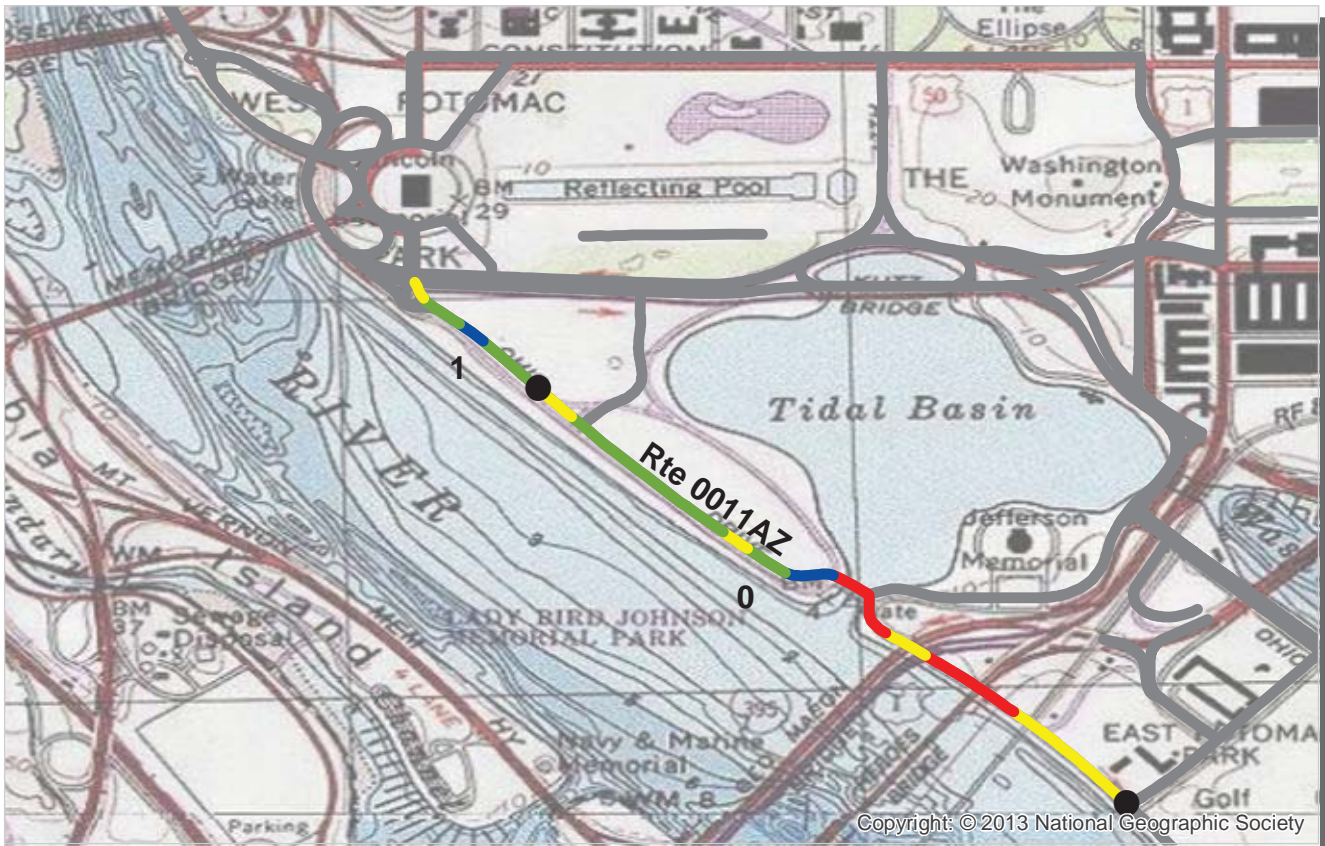
Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

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

NC - Not Collected    N/A - Not Applicable



ROUTE: 0011ZZ OHIO DRIVE SW



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: 0011AZ OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

COLLECTED: 5/2/2013

NATIONAL CAPITAL REGION

TOTAL LENGTH: 1.22 Miles

Section Number	0	1			
Section Length (mi)	1.00	0.22			
<b>Cross Section Information</b>					
Number of Lanes	2	3			
Paved Width (ft)	37	43			
Lane Width (ft)	12	12			
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	90	97			
PCR (Pavement Condition Rating)	72	87			
<b>Distress Index Values</b>					
Structural Crack Index	90	97			
Transverse Cracking Index	96	100			
Patching Index	100	100			
Rutting Index	NC	NC			
Roughness Condition Index (RCI)	45	73			

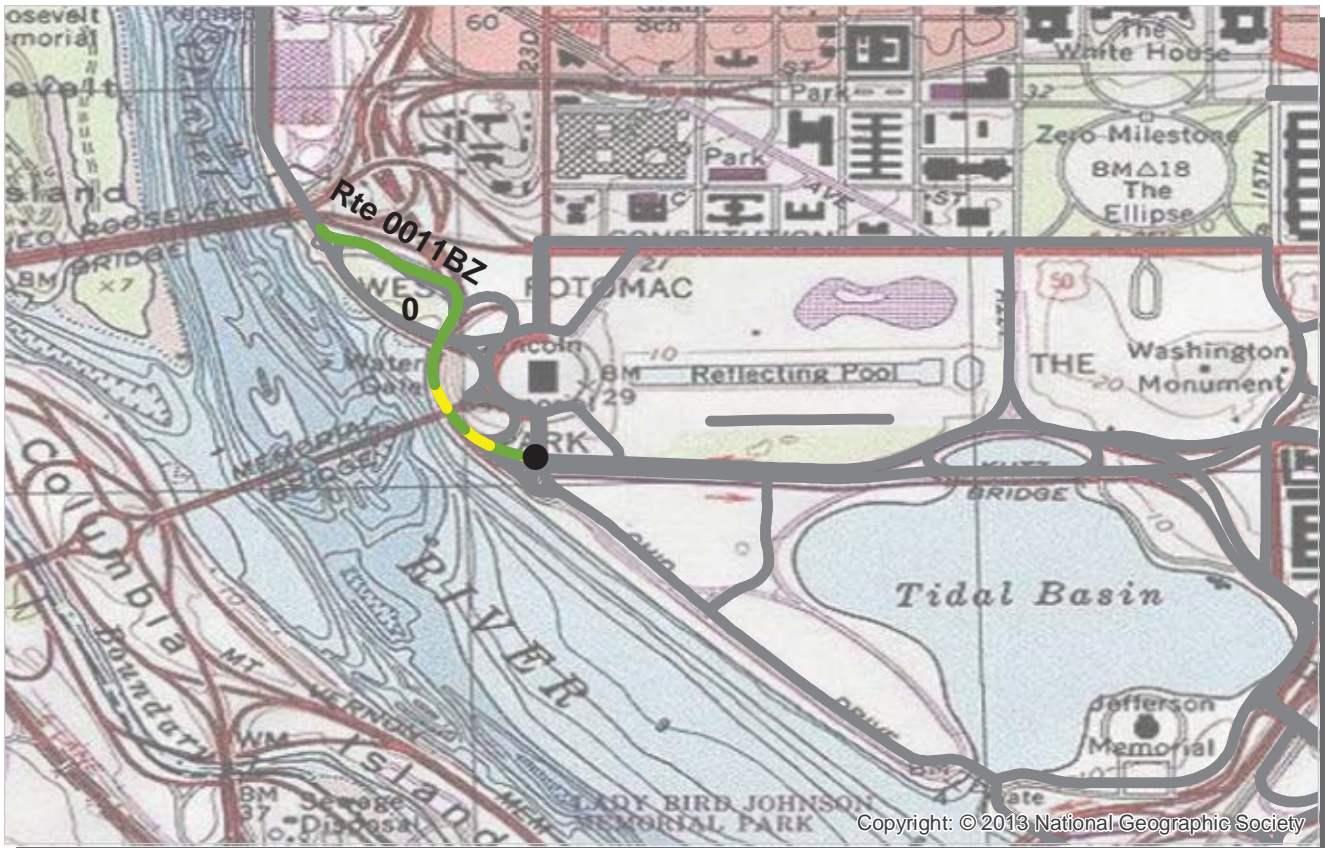
ROUTE: 0011AZ OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE)

NOTES:

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

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

NC - Not Collected N/A - Not Applicable



PCR	Poor	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.

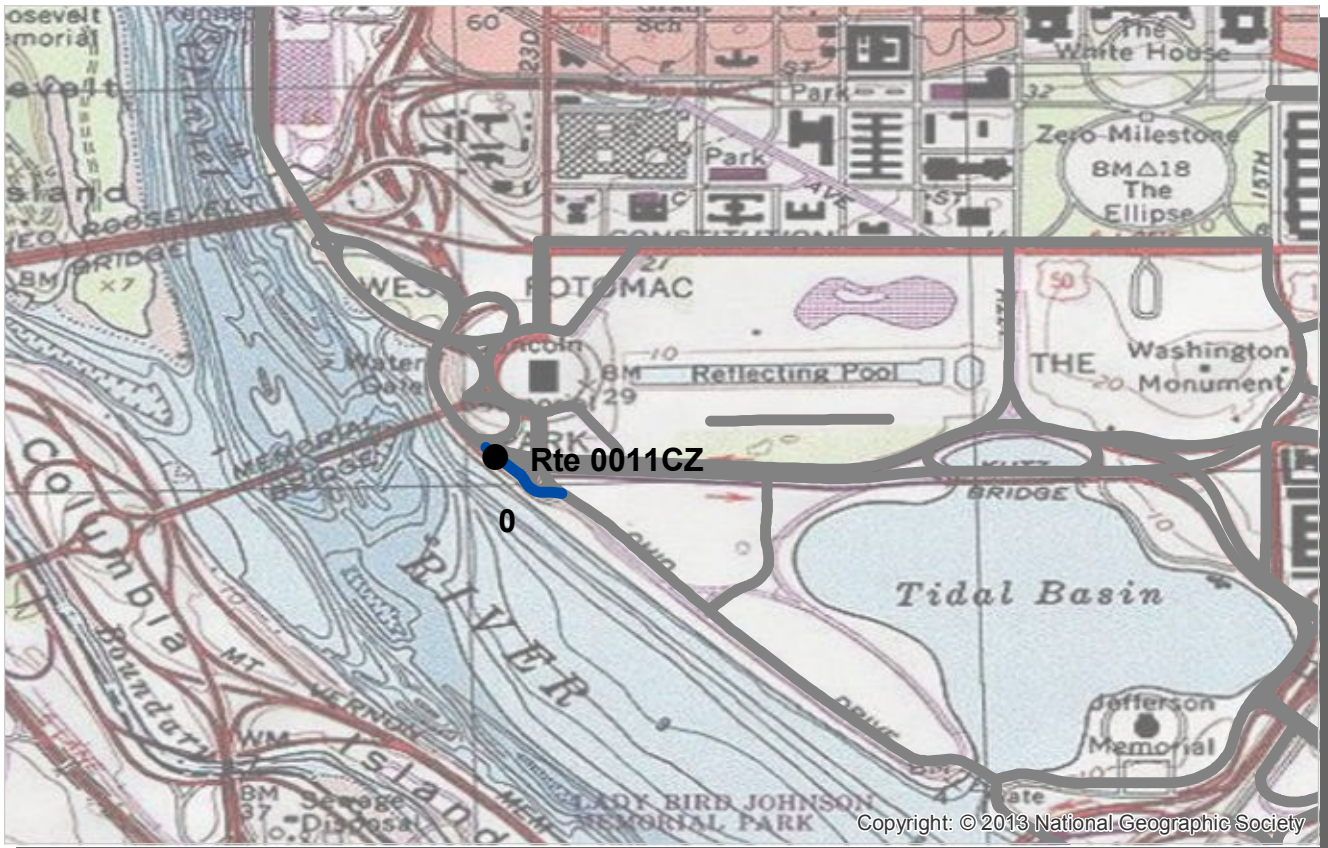
**ROUTE: 0011BZ OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record COLLECTED: 5/2/2013  
**NATIONAL CAPITAL REGION** TOTAL LENGTH: 0.53 Miles

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.53				
<b>Cross Section Information</b>					
Number of Lanes	4				
Paved Width (ft)	47				
Lane Width (ft)	11				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	100				
PCR (Pavement Condition Rating)	87				
<b>Distress Index Values</b>					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	67				

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: 0011BZ OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK 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: 0011CZ OHIO DRIVE SW (SB CONNECTOR AROUND ERICSSON MEMORIAL TO WEST POTOMAC PARK)**

**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.10 Miles**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.10				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	25				
Lane Width (ft)	25				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	99				
PCR (Pavement Condition Rating)	99				
<b>Distress Index Values</b>					
Structural Crack Index	99				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

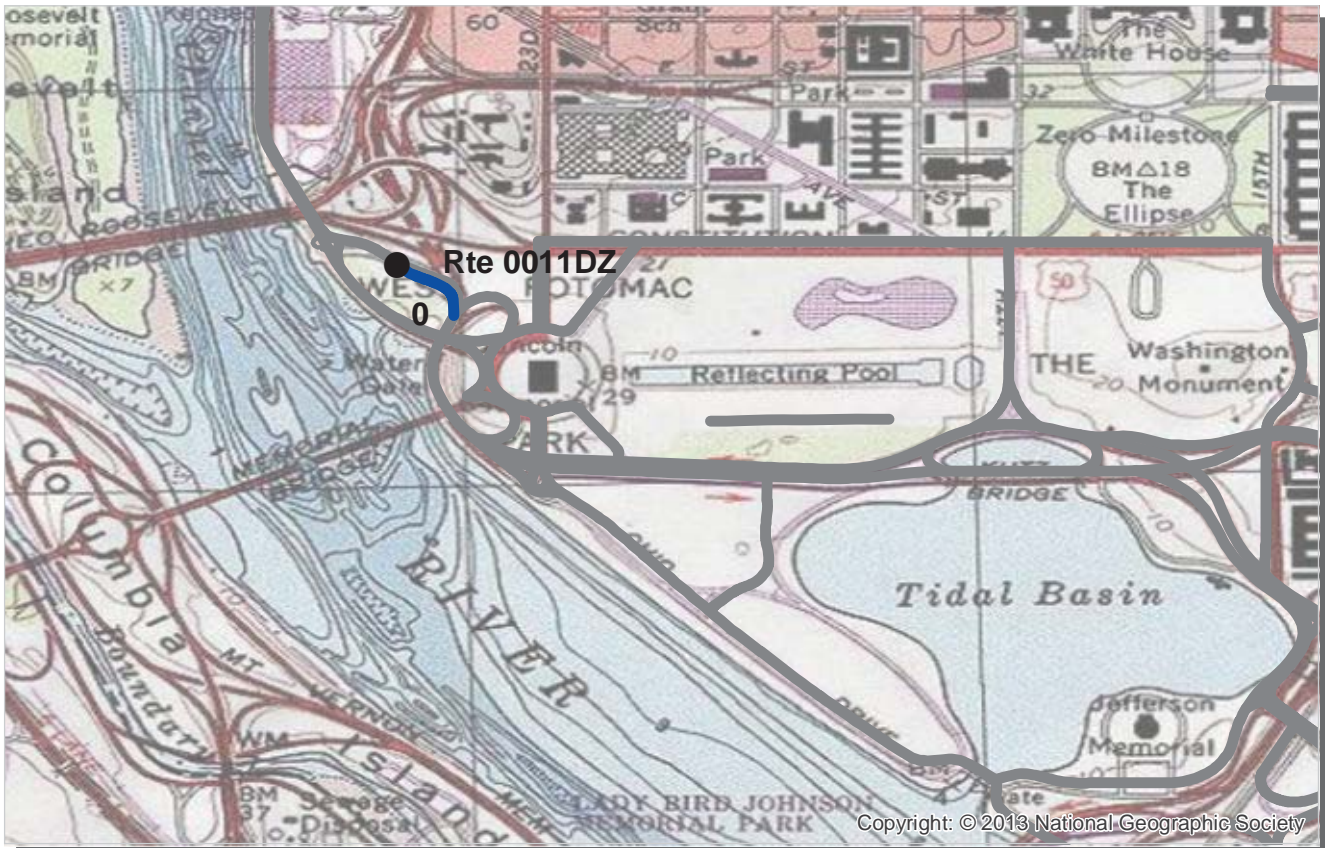
**ROUTE: 0011CZ OHIO DRIVE SW (SB CONNECTOR AROUND ERICSSON MEMORIAL TO WEST POTOMAC PARK)**

**NOTES:**

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

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

NC - Not Collected N/A - Not Applicable



PCR	Poor	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.

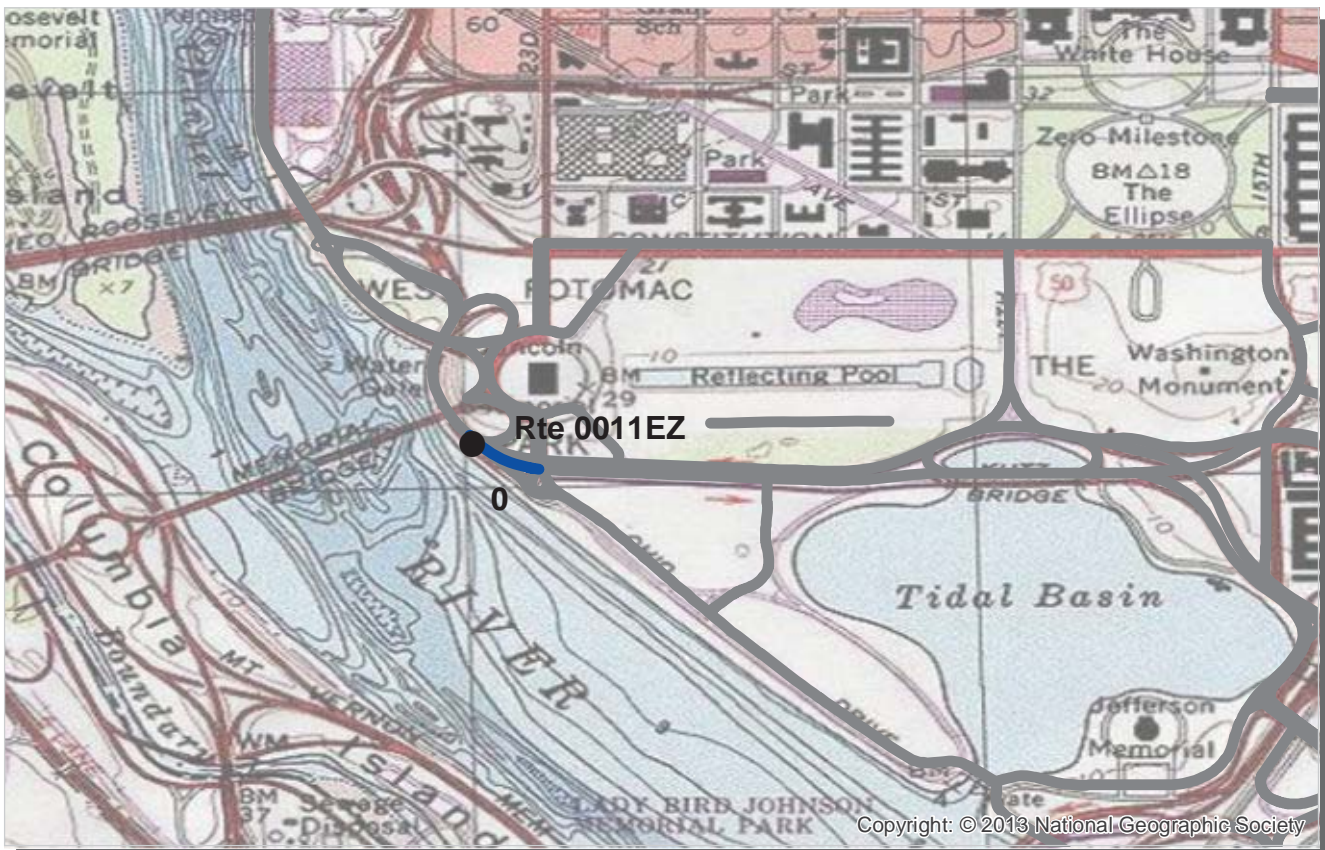
**ROUTE: 0011DZ OHIO DRIVE SW (SB LANE SEPARATION AT POTOMAC RIVER FREEWAY)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record COLLECTED: 5/2/2013  
**NATIONAL CAPITAL REGION** TOTAL LENGTH: 0.10 Miles

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.10				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	14				
Lane Width (ft)	13				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	99				
PCR (Pavement Condition Rating)	99				
<b>Distress Index Values</b>					
Structural Crack Index	99				
Transverse Cracking Index	100				
Patching Index	100				
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: 0011DZ OHIO DRIVE SW (SB LANE SEPARATION AT POTOMAC RIVER FREEWAY)**



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: 0011EZ OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.10 Miles**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.10				
<b>Cross Section Information</b>					
Number of Lanes	3				
Paved Width (ft)	34				
Lane Width (ft)	10				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	98				
PCR (Pavement Condition Rating)	98				
<b>Distress Index Values</b>					
Structural Crack Index	98				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

**ROUTE: 0011EZ OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE)**

**NOTES:**

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

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

NC - Not Collected N/A - Not Applicable



PCR    Poor ■    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: 0012ZZ EAST BASIN DRIVE SW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Summary Record COLLECTED: 5/2/2013  
 NATIONAL CAPITAL REGION TOTAL LENGTH: 0.76 Miles

<b>Section Number</b>					
<b>Section Length (mi)</b>					
<b>Cross Section Information</b>					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	90				
PCR (Pavement Condition Rating)	85				
<b>Distress Index Values</b>					
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.

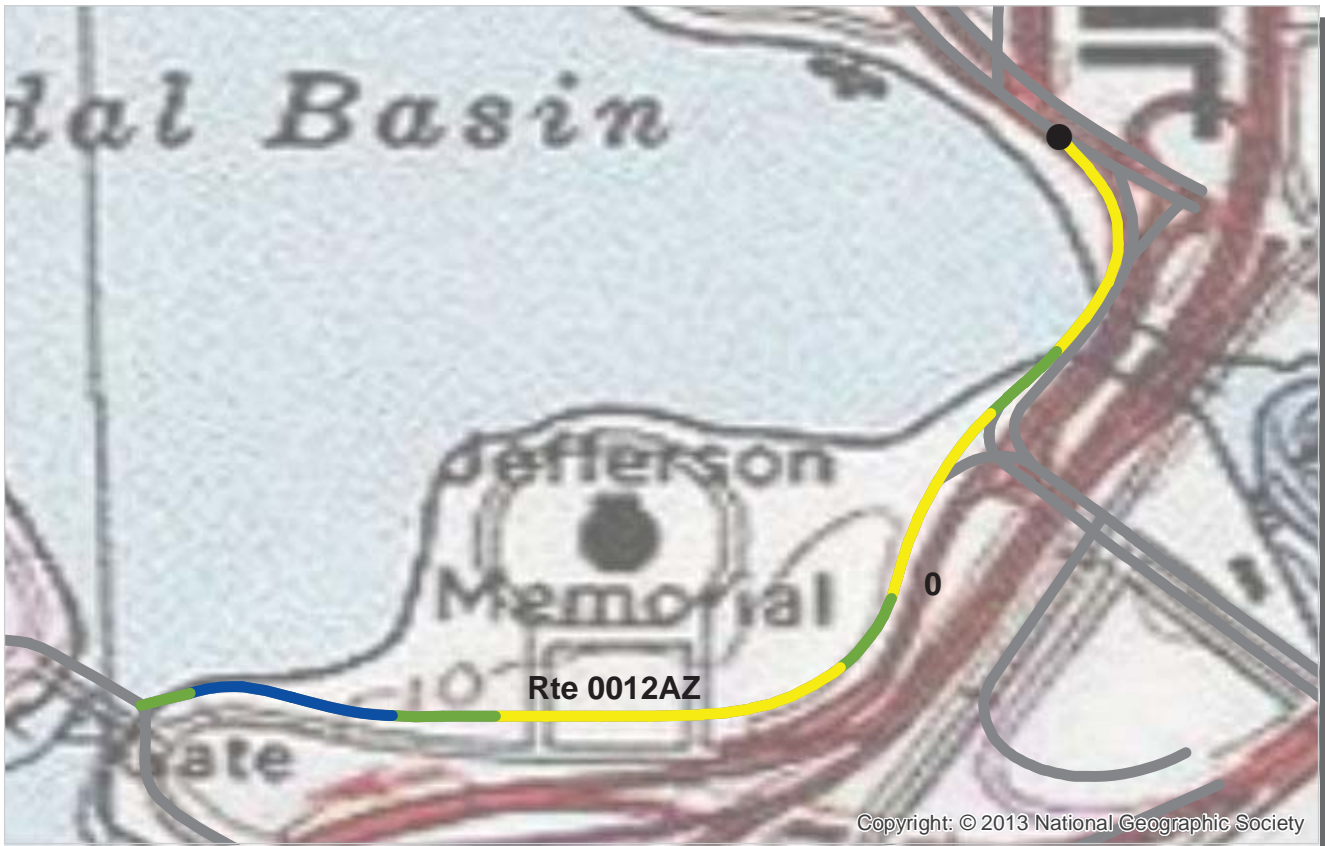
See Section 10 for explanation of SCR, PCR, & all Distress Index Values.

NC - Not Collected    N/A - Not Applicable



ROUTE: 0012ZZ EAST BASIN DRIVE SW





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: 0012AZ EAST BASIN DRIVE SW (WESTBOUND)**

**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.57 Miles**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.57				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	15				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	89				
PCR (Pavement Condition Rating)	83				
<b>Distress Index Values</b>					
Structural Crack Index	93				
Transverse Cracking Index	89				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	73				

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: 0012AZ EAST BASIN DRIVE SW (WESTBOUND)**



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: 0012BBZ EAST BASIN DRIVE SW (EASTBOUND SPUR TO MAINE AVENUE EASTBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record COLLECTED: 5/2/2013  
 NATIONAL CAPITAL REGION TOTAL LENGTH: 0.03 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.03				
<i>Cross Section Information</i>					
Number of Lanes	1				
Paved Width (ft)	19				
Lane Width (ft)	19				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	89				
PCR (Pavement Condition Rating)	89				
<i>Distress Index Values</i>					
Structural Crack Index	94				
Transverse Cracking Index	89				
Patching Index	100				
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: 0012BBZ EAST BASIN DRIVE SW (EASTBOUND SPUR TO MAINE AVENUE EASTBOUND)



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: 0012BZ EAST BASIN DRIVE SW (EASTBOUND)**

**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.16 Miles**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.16				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	21				
Lane Width (ft)	10				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	95				
PCR (Pavement Condition Rating)	95				
<b>Distress Index Values</b>					
Structural Crack Index	98				
Transverse Cracking Index	95				
Patching Index	100				
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: 0012BZ EAST BASIN DRIVE SW (EASTBOUND)**



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: 0013 BUCKEYE DRIVE SW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.34 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.34				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	36				
PCR (Pavement Condition Rating)	36				
<b>Distress Index Values</b>					
Structural Crack Index	36				
Transverse Cracking Index	88				
Patching Index	100				
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: 0013 BUCKEYE DRIVE SW**



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: 0014 NAMA - MAIN STREET**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.09 Miles**

**NATIONAL CAPITAL REGION**

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.09				
<i>Cross Section Information</i>					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	11				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	52				
PCR (Pavement Condition Rating)	52				
<i>Distress Index Values</i>					
Structural Crack Index	52				
Transverse Cracking Index	86				
Patching Index	100				
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: 0014 NAMA - MAIN STREET**



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: 0016ZZ ROCK CREEK AND POTOMAC PARKWAY**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Summary Record

COLLECTED: 5/2/2013

NATIONAL CAPITAL REGION

TOTAL LENGTH: 1.21 Miles

<b>Section Number</b>					
<b>Section Length (mi)</b>					
<b>Cross Section Information</b>					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	88				
PCR (Pavement Condition Rating)	85				
<b>Distress Index Values</b>					
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: 0016ZZ ROCK CREEK AND POTOMAC 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: 0016AZ ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

COLLECTED: 5/2/2013

NATIONAL CAPITAL REGION

TOTAL LENGTH: 0.60 Miles

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.60				
<b>Cross Section Information</b>					
Number of Lanes	4				
Paved Width (ft)	44				
Lane Width (ft)	10				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	89				
PCR (Pavement Condition Rating)	87				
<b>Distress Index Values</b>					
Structural Crack Index	89				
Transverse Cracking Index	97				
Patching Index	99				
Rutting Index	NC				
Roughness Condition Index (RCI)	84				

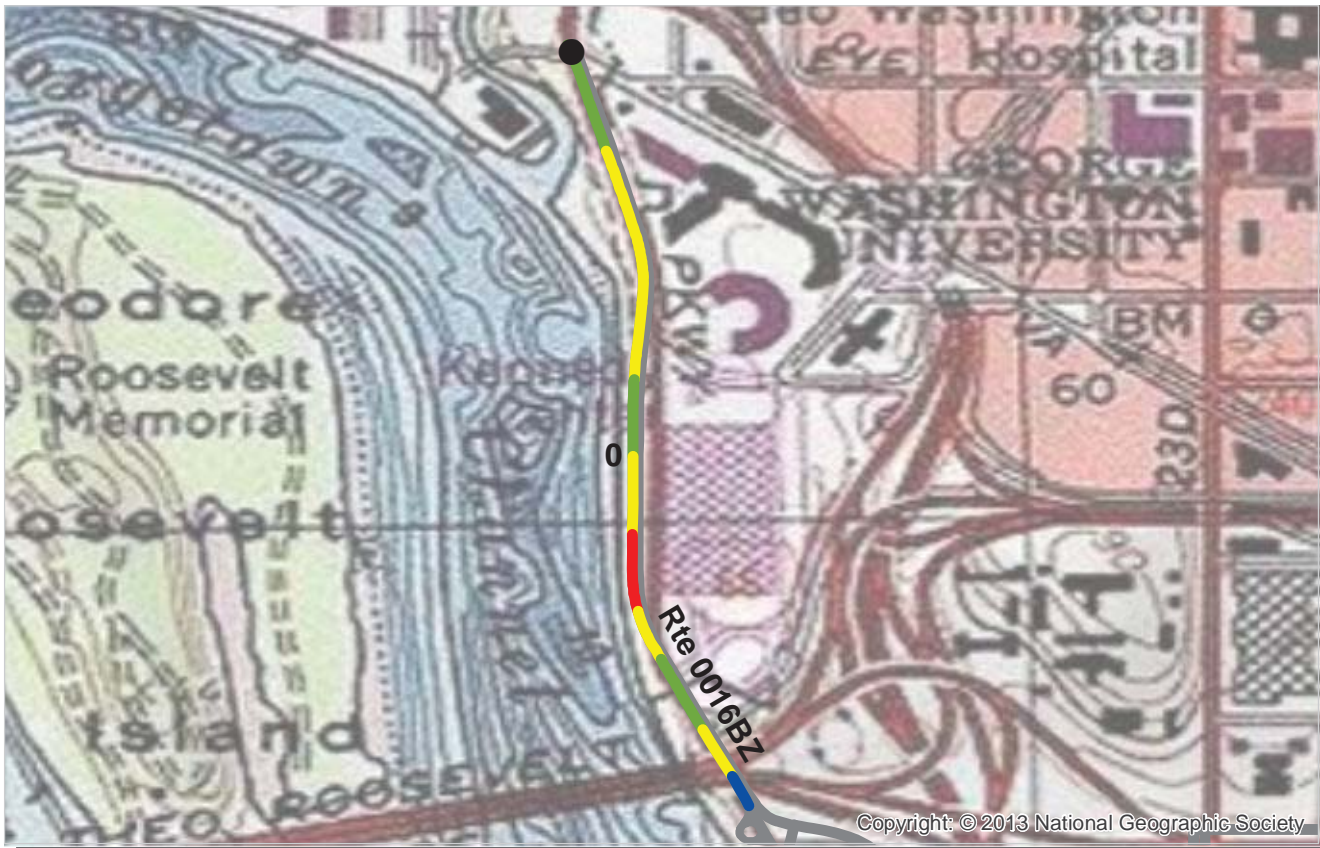
NOTES:

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: 0016AZ ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND)



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: 0016BZ ROCK CREEK AND POTOMAC PARKWAY (SOUTHBOUND)**

**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.61 Miles**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.61				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	11				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	85				
PCR (Pavement Condition Rating)	81				
<b>Distress Index Values</b>					
Structural Crack Index	85				
Transverse Cracking Index	95				
Patching Index	96				
Rutting Index	NC				
Roughness Condition Index (RCI)	76				

**ROUTE: 0016BZ ROCK CREEK AND POTOMAC PARKWAY (SOUTHBOUND)**

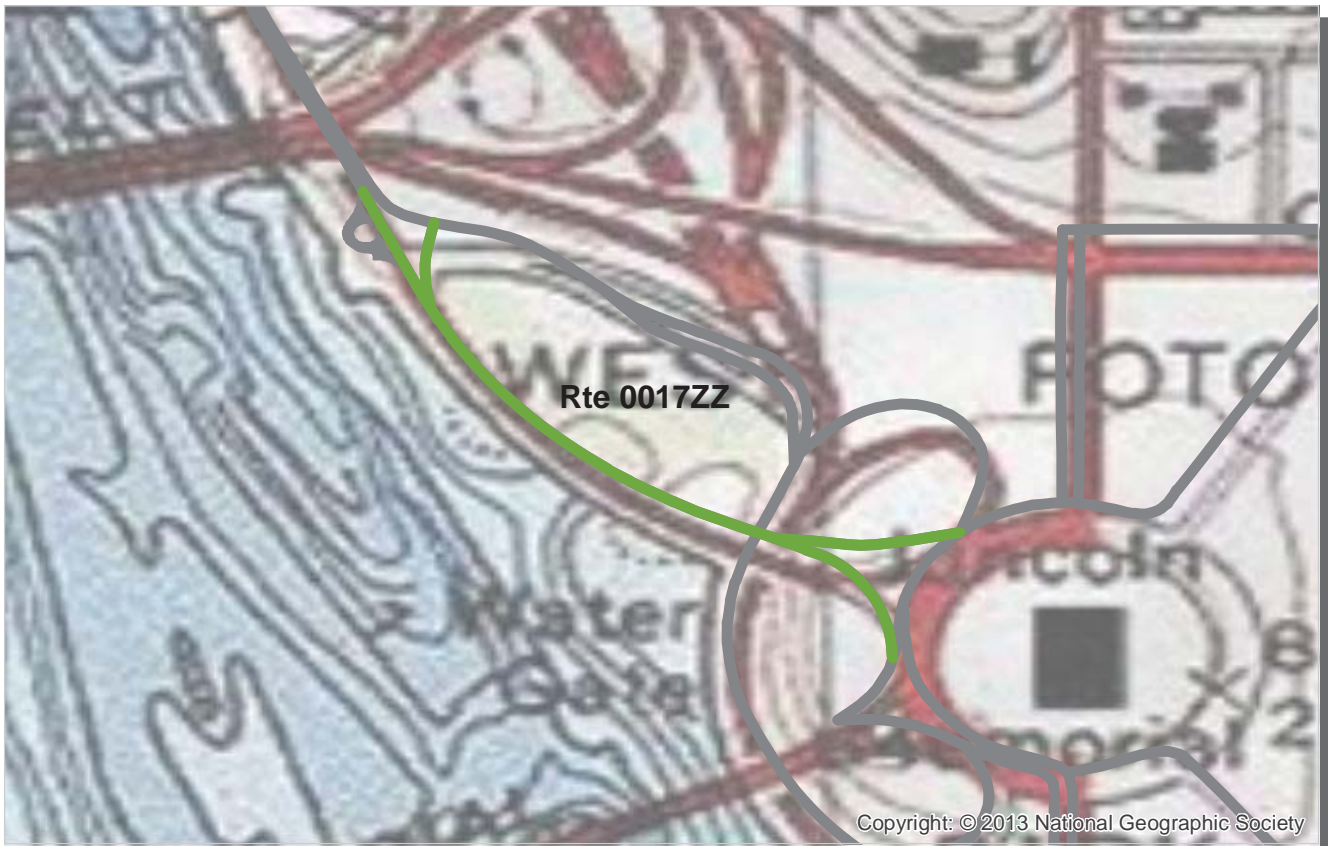
**NOTES:**

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

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

NC - Not Collected    N/A - Not Applicable





PCR    Poor ■    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: 0017ZZ PARKWAY DRIVE NW AND SPURS**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Summary Record COLLECTED: 5/2/2013  
 NATIONAL CAPITAL REGION TOTAL LENGTH: 0.39 Miles

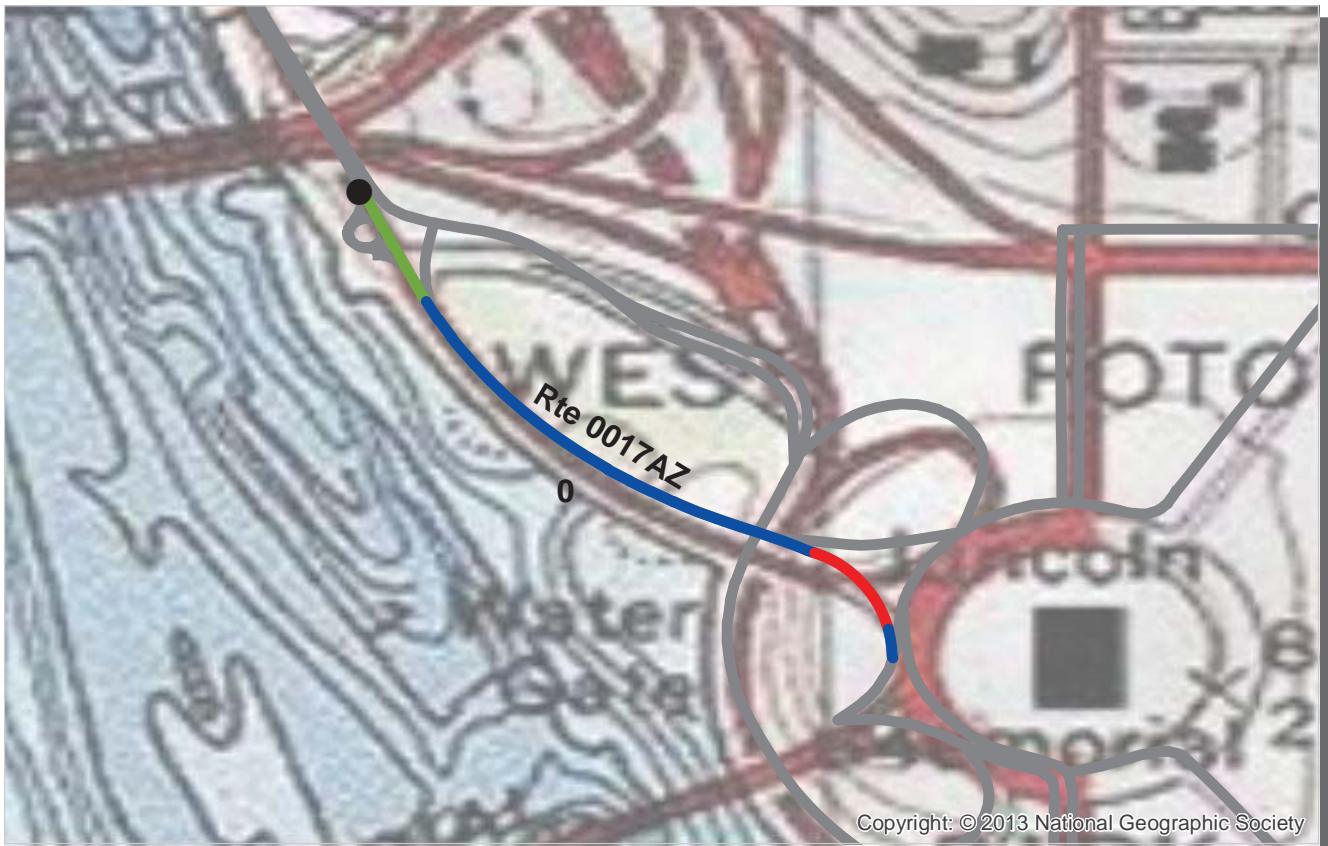
<b>Section Number</b>					
<b>Section Length (mi)</b>					
<b>Cross Section Information</b>					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	87				
PCR (Pavement Condition Rating)	87				
<b>Distress Index Values</b>					
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: 0017ZZ PARKWAY DRIVE NW AND SPURS



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: 0017AZ PARKWAY DRIVE NW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.31 Miles**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.31				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	34				
Lane Width (ft)	18				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	89				
PCR (Pavement Condition Rating)	89				
<b>Distress Index Values</b>					
Structural Crack Index	89				
Transverse Cracking Index	97				
Patching Index	99				
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: 0017AZ PARKWAY DRIVE NW**



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: 0017BZ PARKWAY DRIVE RAMP TO OHIO DRIVE**

**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.03 Miles**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.03				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	16				
Lane Width (ft)	16				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	97				
PCR (Pavement Condition Rating)	97				
<b>Distress Index Values</b>					
Structural Crack Index	97				
Transverse Cracking Index	98				
Patching Index	99				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

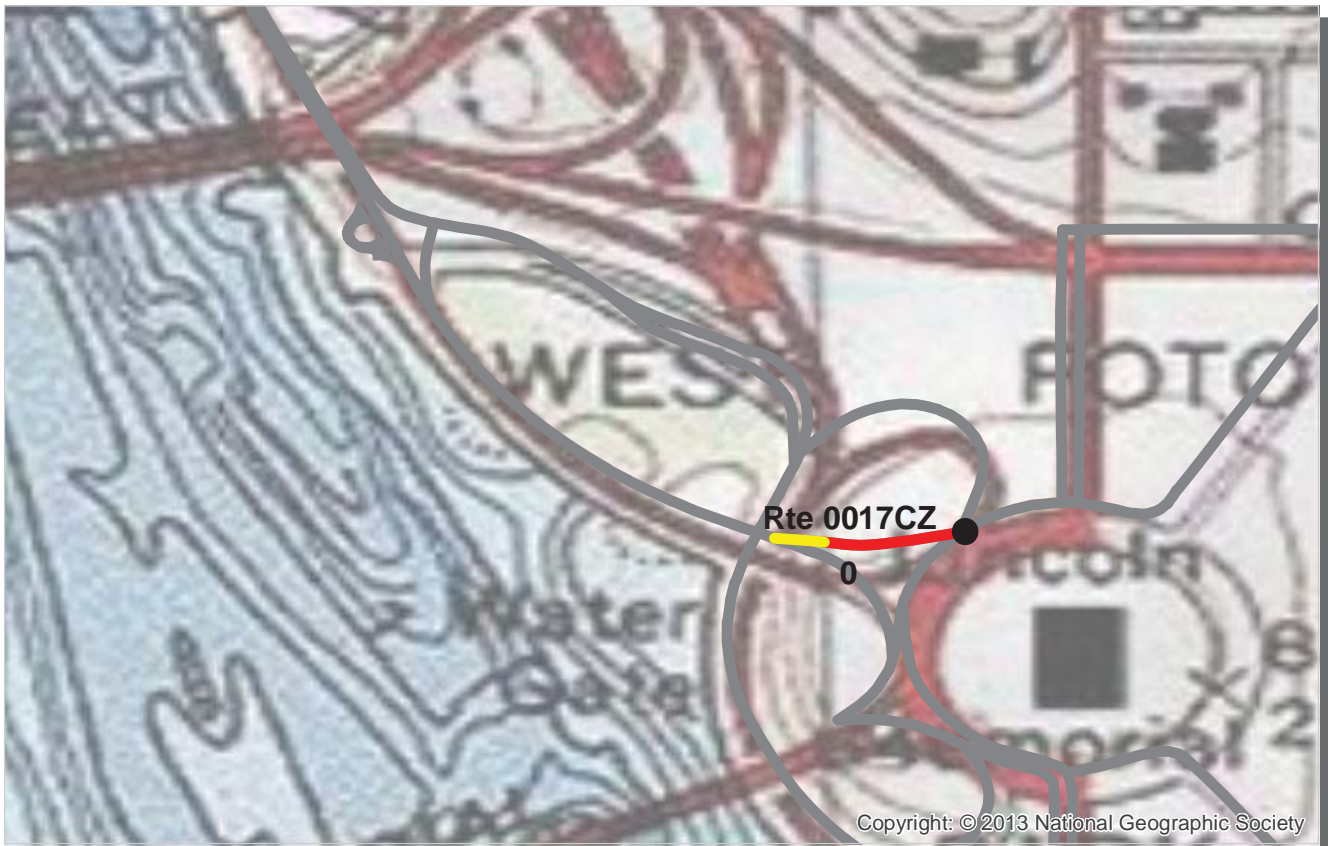
NOTES:

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: 0017BZ PARKWAY DRIVE RAMP TO OHIO DRIVE**



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: 0017CZ LINCOLN MEMORIAL CIRCLE SPUR TO PARKWAY DRIVE**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

COLLECTED: 5/2/2013

NATIONAL CAPITAL REGION

TOTAL LENGTH: 0.05 Miles

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.05				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	23				
Lane Width (ft)	23				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	60				
PCR (Pavement Condition Rating)	60				
<b>Distress Index Values</b>					
Structural Crack Index	60				
Transverse Cracking Index	83				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

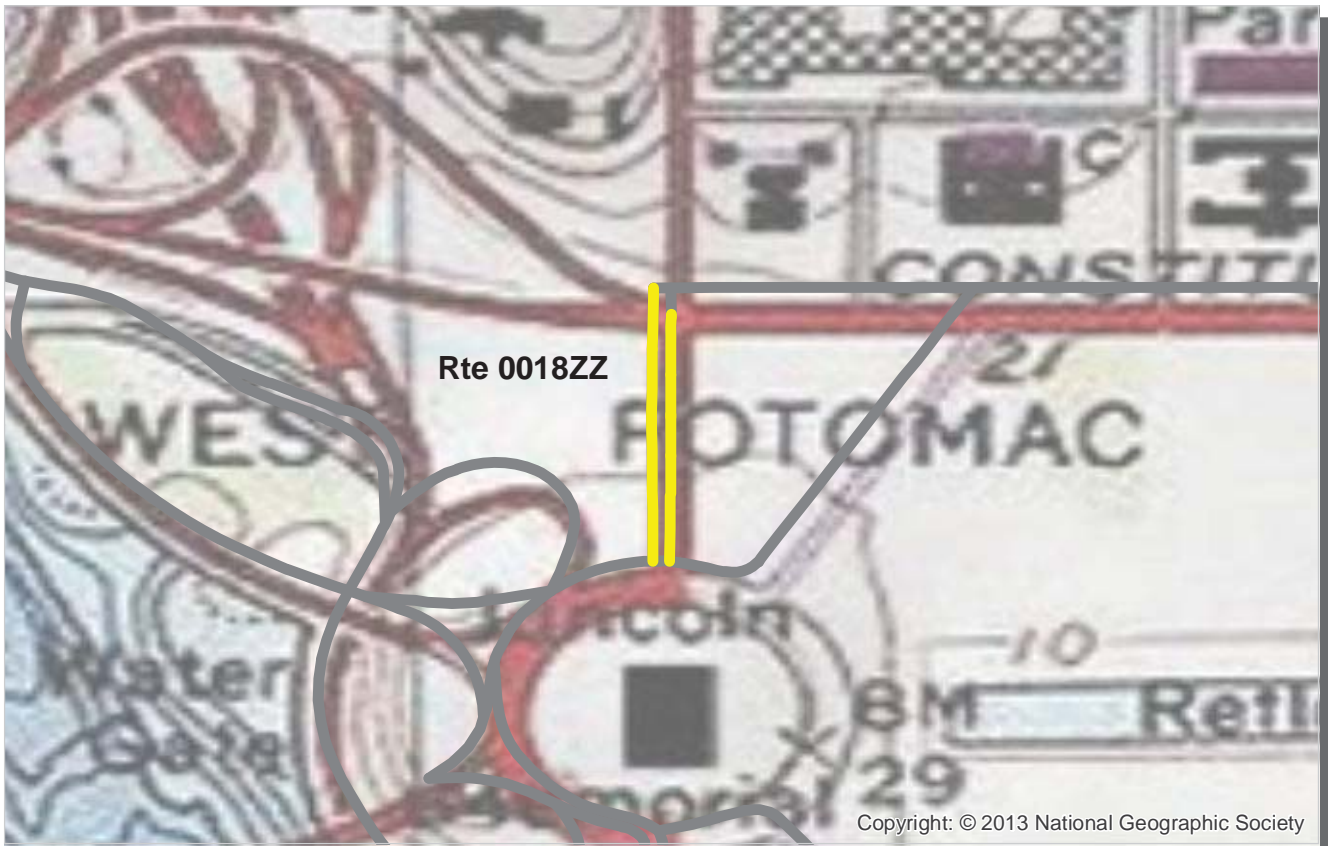
NOTES:

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: 0017CZ LINCOLN MEMORIAL CIRCLE SPUR TO PARKWAY DRIVE



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: 0018ZZ 23RD STREET NW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Summary Record COLLECTED: 5/2/2013  
 NATIONAL CAPITAL REGION TOTAL LENGTH: 0.22 Miles

<b>Section Number</b>					
<b>Section Length (mi)</b>					
<b>Cross Section Information</b>					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	70				
PCR (Pavement Condition Rating)	70				
<b>Distress Index Values</b>					
Structural Crack Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

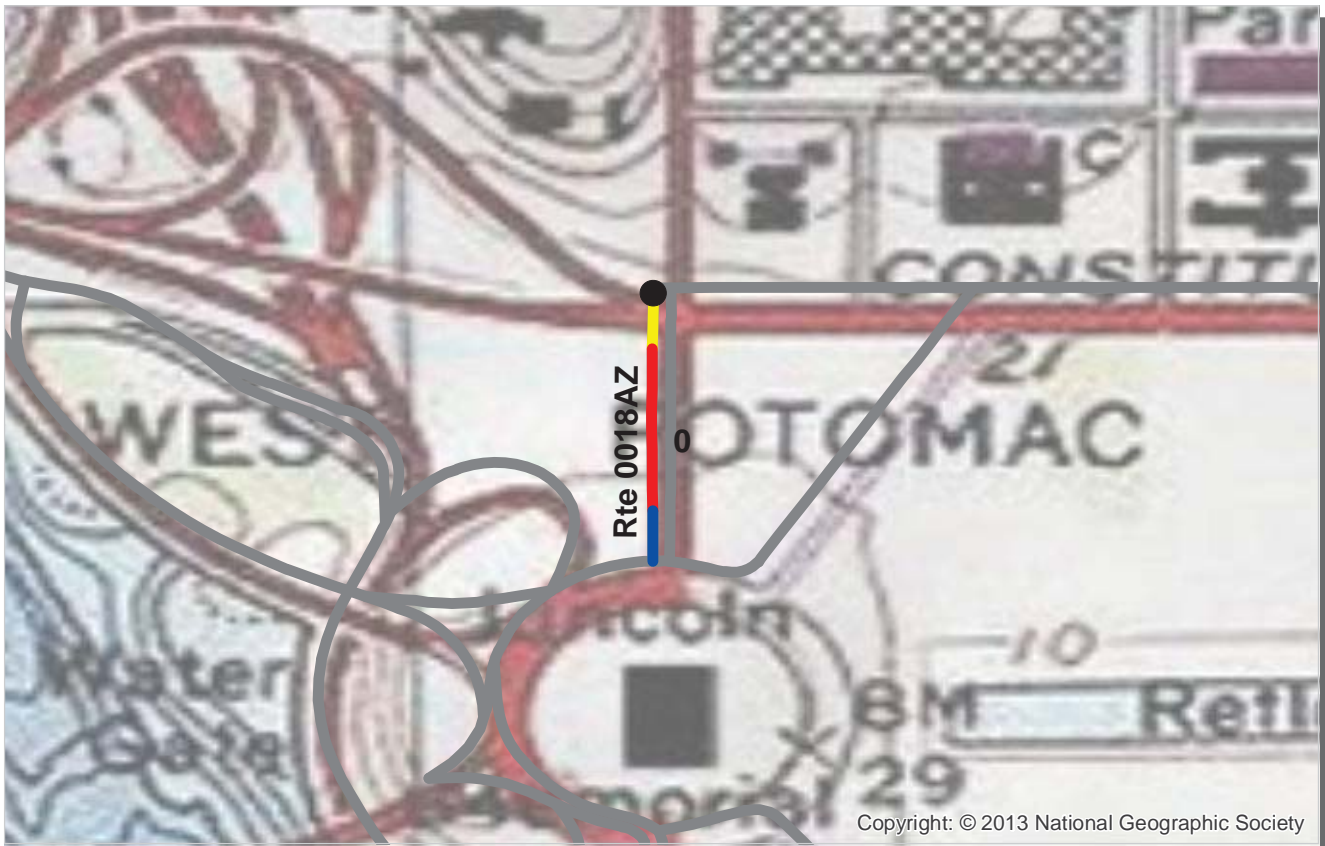
NOTES:

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: 0018ZZ 23RD STREET NW



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: 0018AZ 23RD STREET NW (SOUTHBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record COLLECTED: 5/2/2013  
 NATIONAL CAPITAL REGION TOTAL LENGTH: 0.11 Miles

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.11				
<i>Cross Section Information</i>					
Number of Lanes	4				
Paved Width (ft)	60				
Lane Width (ft)	12				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	57				
PCR (Pavement Condition Rating)	57				
<i>Distress Index Values</i>					
Structural Crack Index	57				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

NOTES:

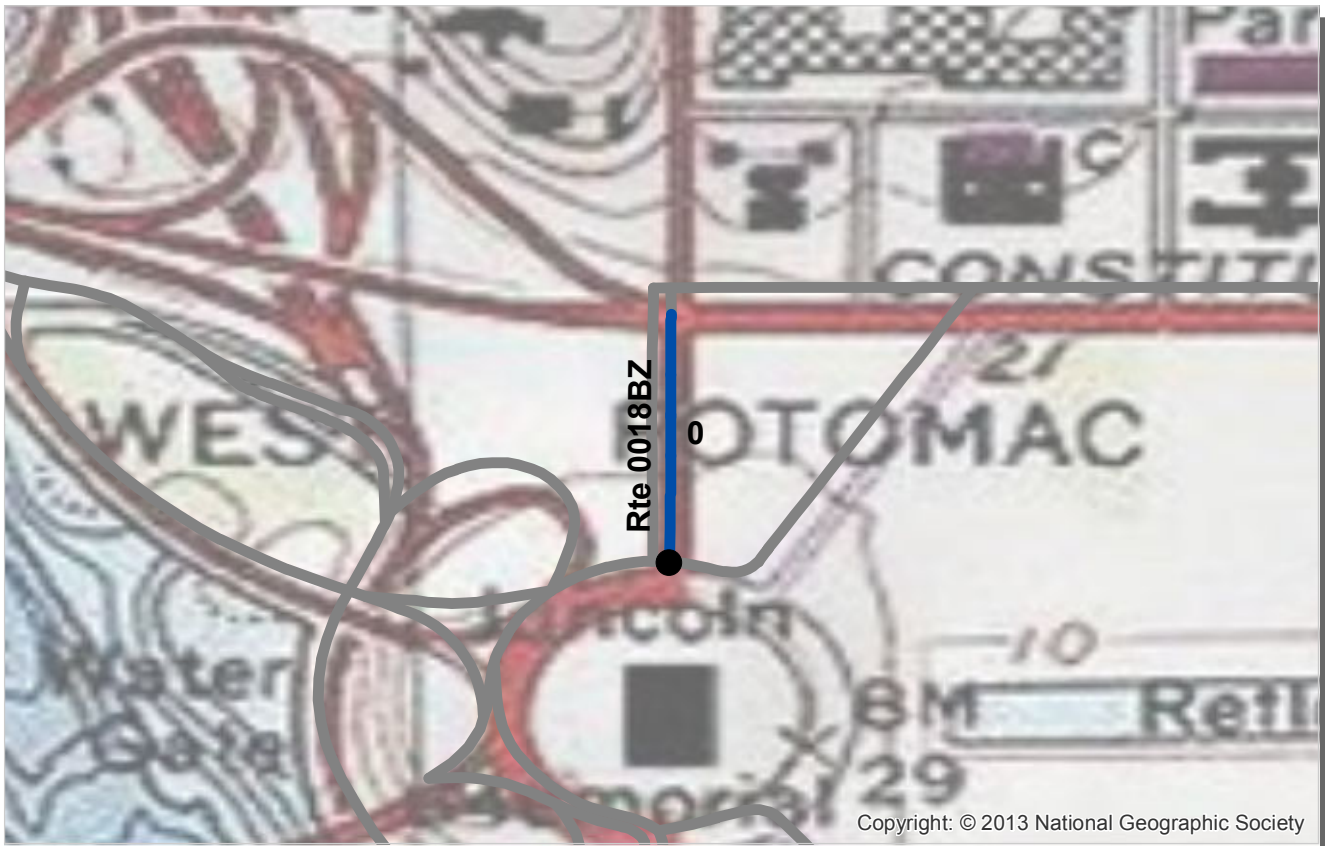
Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

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

NC - Not Collected    N/A - Not Applicable



ROUTE: 0018AZ 23RD STREET NW (SOUTHBOUND)



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: 0018BZ 23RD STREET NW (NORTHBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.11 Miles**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.11				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	27				
Lane Width (ft)	12				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	97				
PCR (Pavement Condition Rating)	97				
<b>Distress Index Values</b>					
Structural Crack Index	97				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

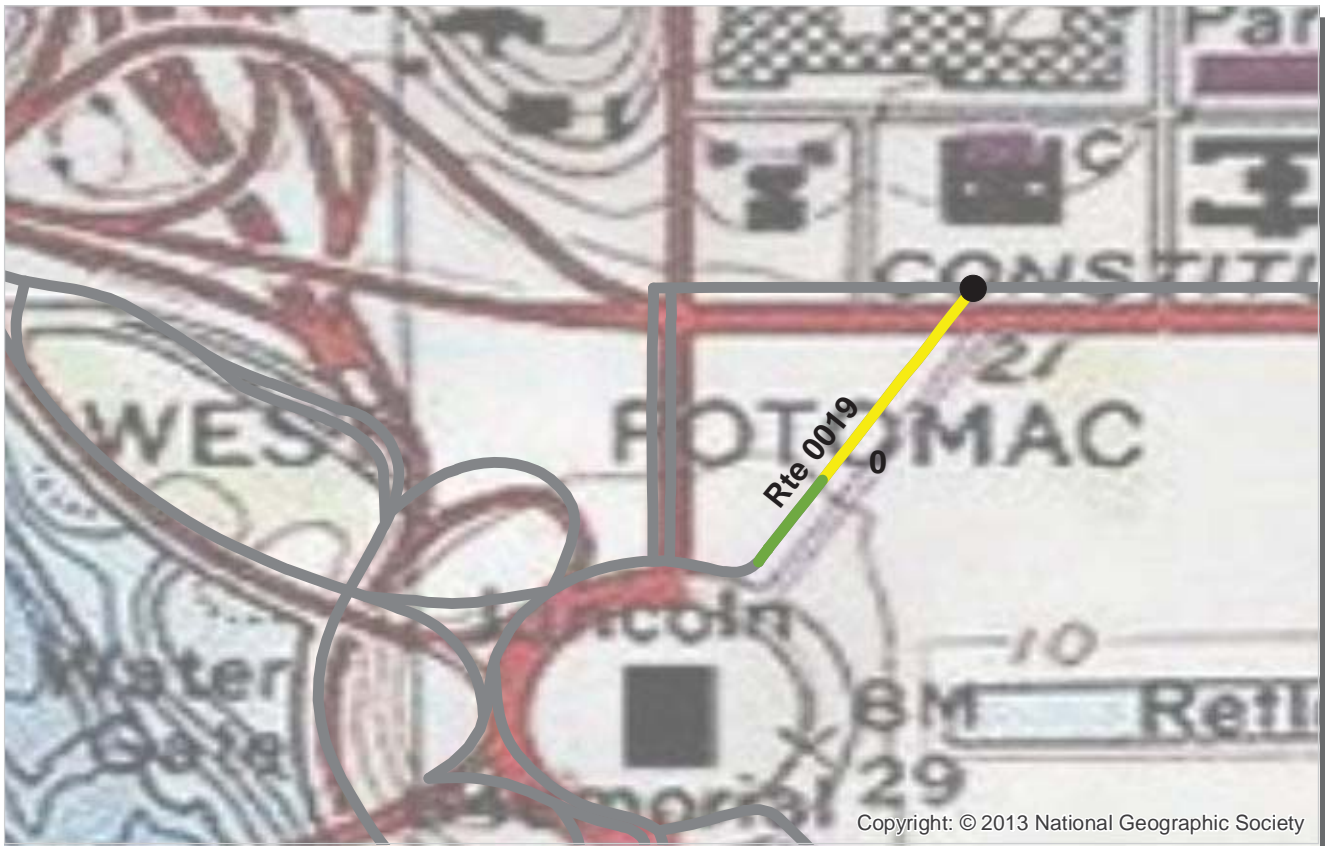
NOTES:

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: 0018BZ 23RD STREET NW (NORTHBOUND)**



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: 0019 HENRY BACON DRIVE NW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.15 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.15				
<b>Cross Section Information</b>					
Number of Lanes	4				
Paved Width (ft)	40				
Lane Width (ft)	9				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	82				
PCR (Pavement Condition Rating)	82				
<b>Distress Index Values</b>					
Structural Crack Index	82				
Transverse Cracking Index	99				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

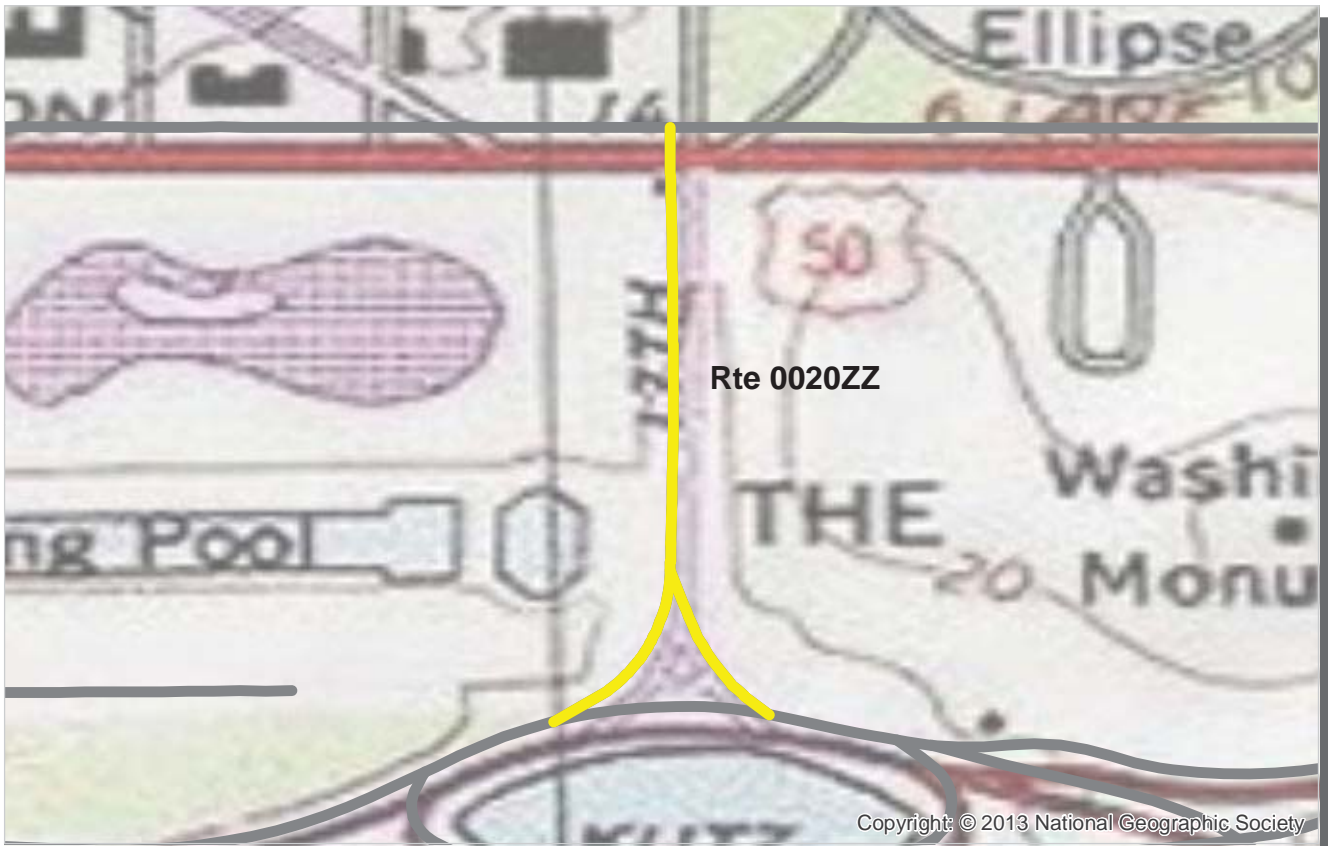
**NOTES:**

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: 0019 HENRY BACON DRIVE NW**





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.

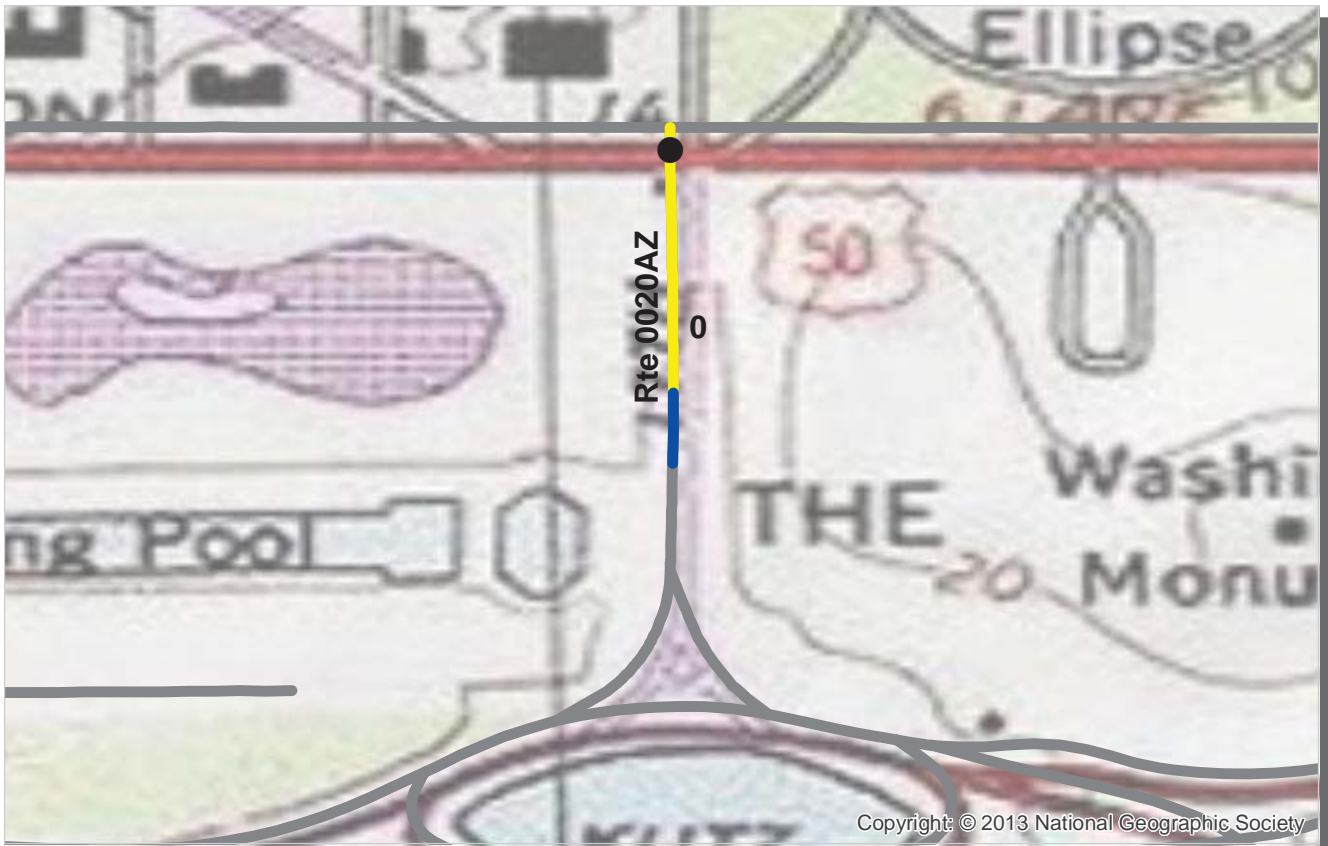
**ROUTE: 0020ZZ 17TH STREET NW AND SW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Summary Record COLLECTED: 5/2/2013  
 NATIONAL CAPITAL REGION TOTAL LENGTH: 0.35 Miles

<b>Section Number</b>					
<b>Section Length (mi)</b>					
<b>Cross Section Information</b>					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	79				
PCR (Pavement Condition Rating)	79				
<b>Distress Index Values</b>					
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: 0020ZZ 17TH STREET NW AND SW



Copyright: © 2013 National Geographic Society



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: 0020AZ 17TH STREET NW (SOUTHBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

COLLECTED: 5/2/2013

NATIONAL CAPITAL REGION

TOTAL LENGTH: 0.15 Miles

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.15				
<b>Cross Section Information</b>					
Number of Lanes	4				
Paved Width (ft)	37				
Lane Width (ft)	11				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	76				
PCR (Pavement Condition Rating)	76				
<b>Distress Index Values</b>					
Structural Crack Index	96				
Transverse Cracking Index	76				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

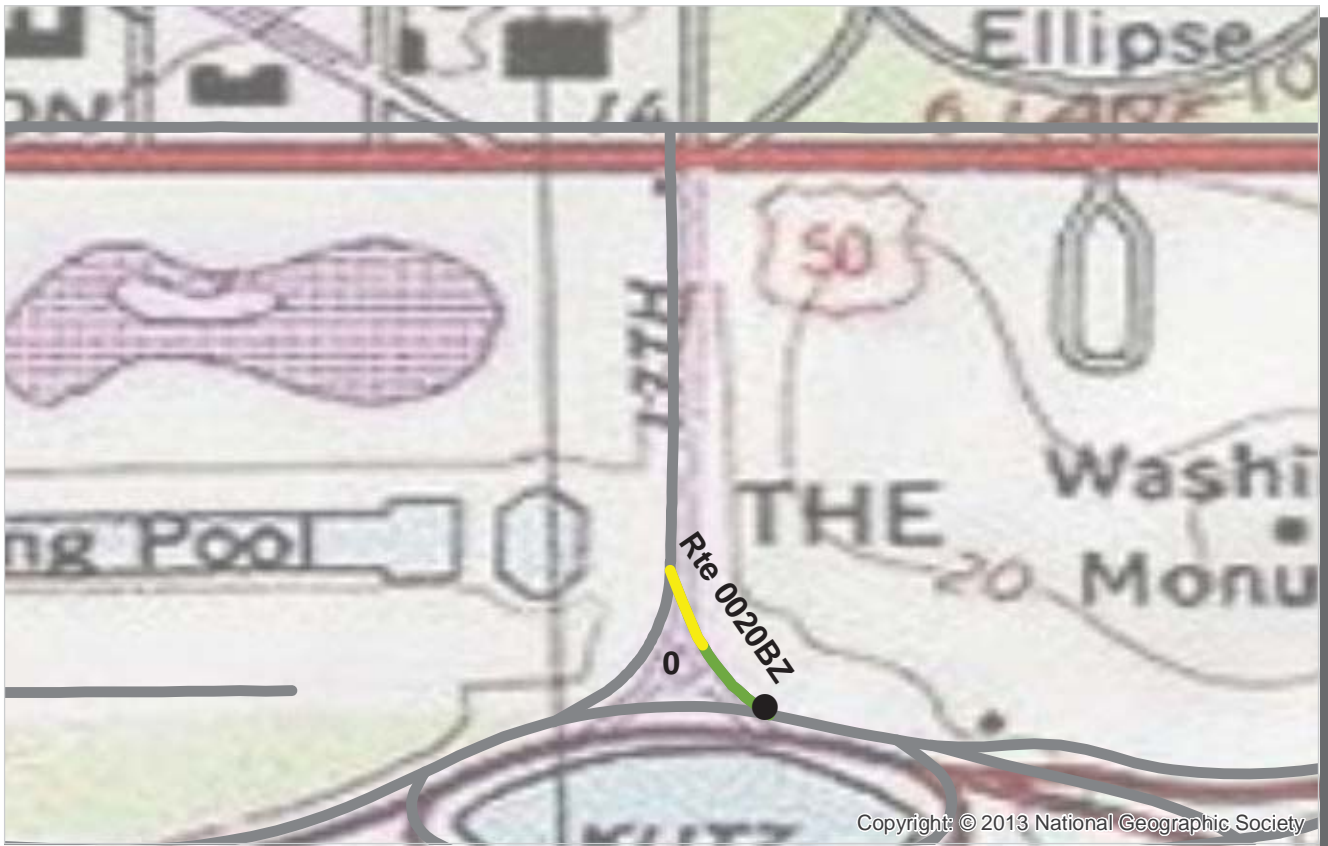
NOTES:

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: 0020AZ 17TH STREET NW (SOUTHBOUND)



Copyright: © 2013 National Geographic Society



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.

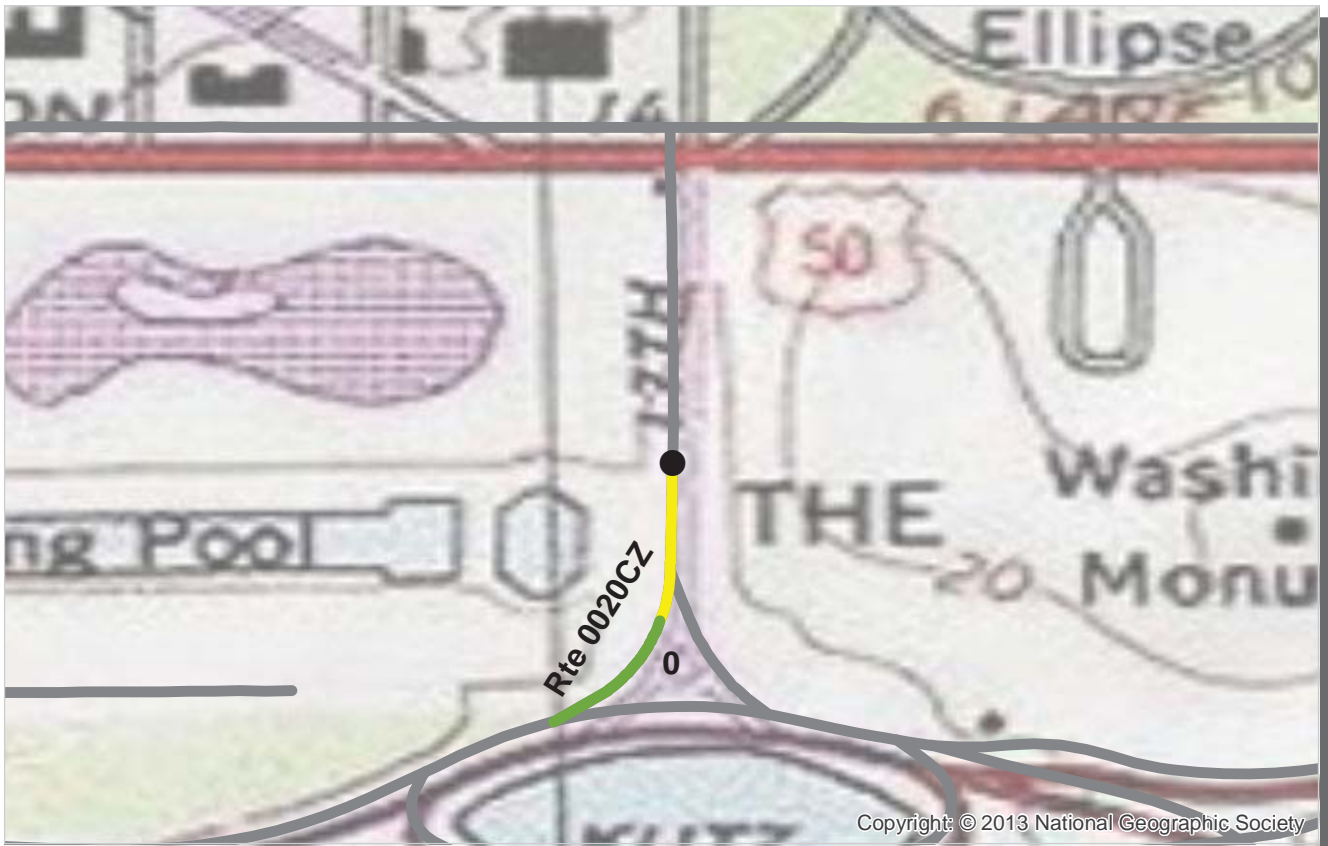
**ROUTE: 0020BZ 17TH STREET SW (NORTHBOUND SPUR FROM INDEPENDENCE AVENUE)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record COLLECTED: 5/2/2013  
 NATIONAL CAPITAL REGION TOTAL LENGTH: 0.07 Miles

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.07				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	31				
Lane Width (ft)	13				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	76				
PCR (Pavement Condition Rating)	76				
<b>Distress Index Values</b>					
Structural Crack Index	86				
Transverse Cracking Index	76				
Patching Index	100				
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: 0020BZ 17TH STREET SW (NORTHBOUND SPUR FROM INDEPENDENCE AVENUE)



Copyright: © 2013 National Geographic Society

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: 0020CZ 17TH STREET SW (SOUTHBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record COLLECTED: 5/2/2013  
**NATIONAL CAPITAL REGION** TOTAL LENGTH: 0.12 Miles

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.12				
<b>Cross Section Information</b>					
Number of Lanes	4				
Paved Width (ft)	40				
Lane Width (ft)	12				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	84				
PCR (Pavement Condition Rating)	84				
<b>Distress Index Values</b>					
Structural Crack Index	98				
Transverse Cracking Index	84				
Patching Index	99				
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: 0020CZ 17TH STREET SW (SOUTHBOUND)



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: 0021ZZ 15TH STREET NW AND SW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Summary Record COLLECTED: 5/2/2013  
 NATIONAL CAPITAL REGION TOTAL LENGTH: 0.55 Miles

<b>Section Number</b>					
<b>Section Length (mi)</b>					
<b>Cross Section Information</b>					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	87				
PCR (Pavement Condition Rating)	87				
<b>Distress Index Values</b>					
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: 0021ZZ 15TH STREET NW AND SW



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: 0021AZ 15TH STREET NW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record COLLECTED: 5/2/2013  
**NATIONAL CAPITAL REGION** TOTAL LENGTH: 0.16 Miles

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.16				
<b>Cross Section Information</b>					
Number of Lanes	5				
Paved Width (ft)	49				
Lane Width (ft)	10				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	88				
PCR (Pavement Condition Rating)	88				
<b>Distress Index Values</b>					
Structural Crack Index	88				
Transverse Cracking Index	97				
Patching Index	99				
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: 0021AZ 15TH STREET NW



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: 0021BZ 15TH STREET SW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record COLLECTED: 5/2/2013  
**NATIONAL CAPITAL REGION** TOTAL LENGTH: 0.39 Miles

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.39				
<b>Cross Section Information</b>					
Number of Lanes	4				
Paved Width (ft)	51				
Lane Width (ft)	11				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	87				
PCR (Pavement Condition Rating)	87				
<b>Distress Index Values</b>					
Structural Crack Index	93				
Transverse Cracking Index	87				
Patching Index	99				
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: 0021BZ 15TH STREET SW



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: 0022 12TH STREET SW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.07 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.07				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	12				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	69				
PCR (Pavement Condition Rating)	69				
<b>Distress Index Values</b>					
Structural Crack Index	93				
Transverse Cracking Index	69				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

**NOTES:**

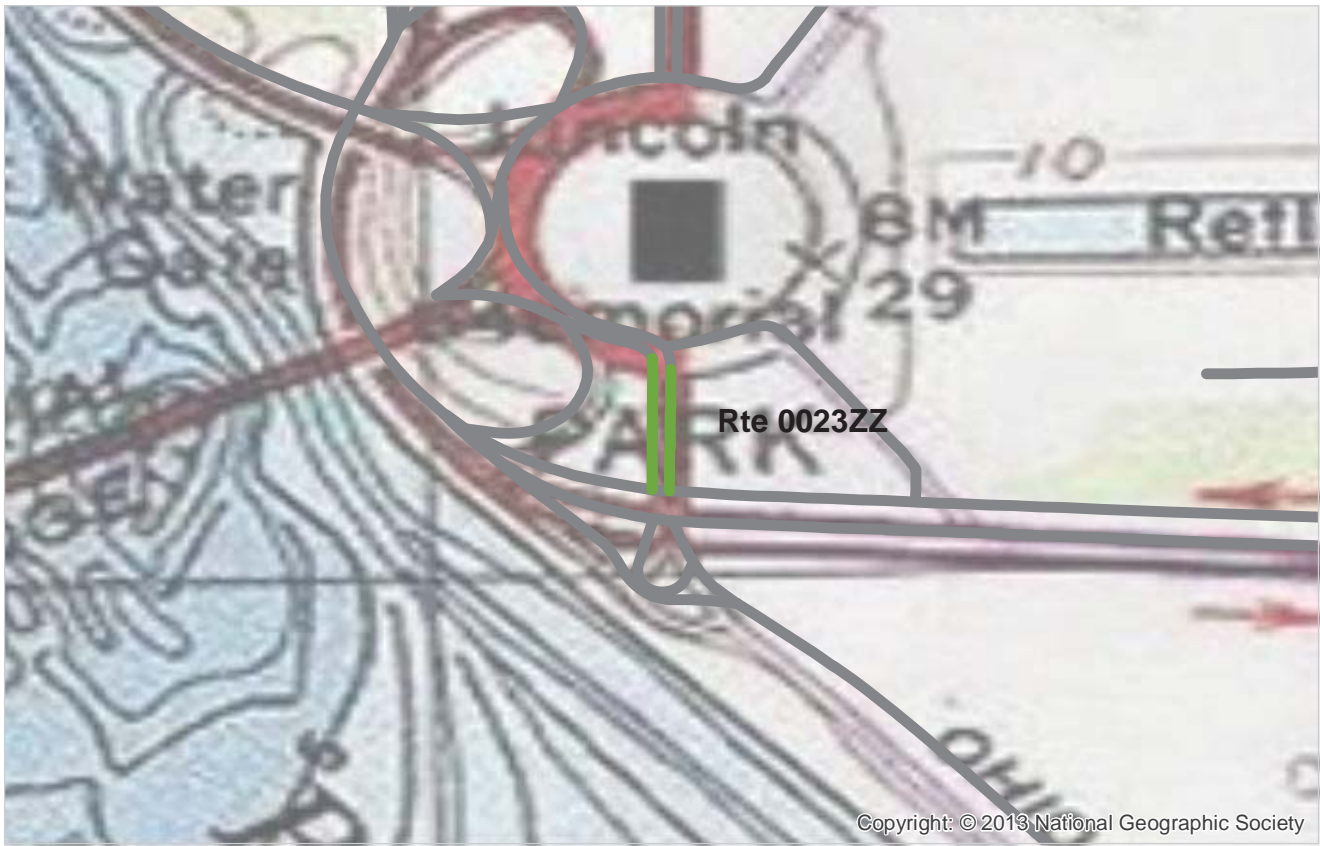
Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

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

NC - Not Collected N/A - Not Applicable

**ROUTE: 0022 12TH STREET SW**





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: 0023ZZ 23RD STREET SW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Summary Record COLLECTED: 5/2/2013  
**NATIONAL CAPITAL REGION** TOTAL LENGTH: 0.13 Miles

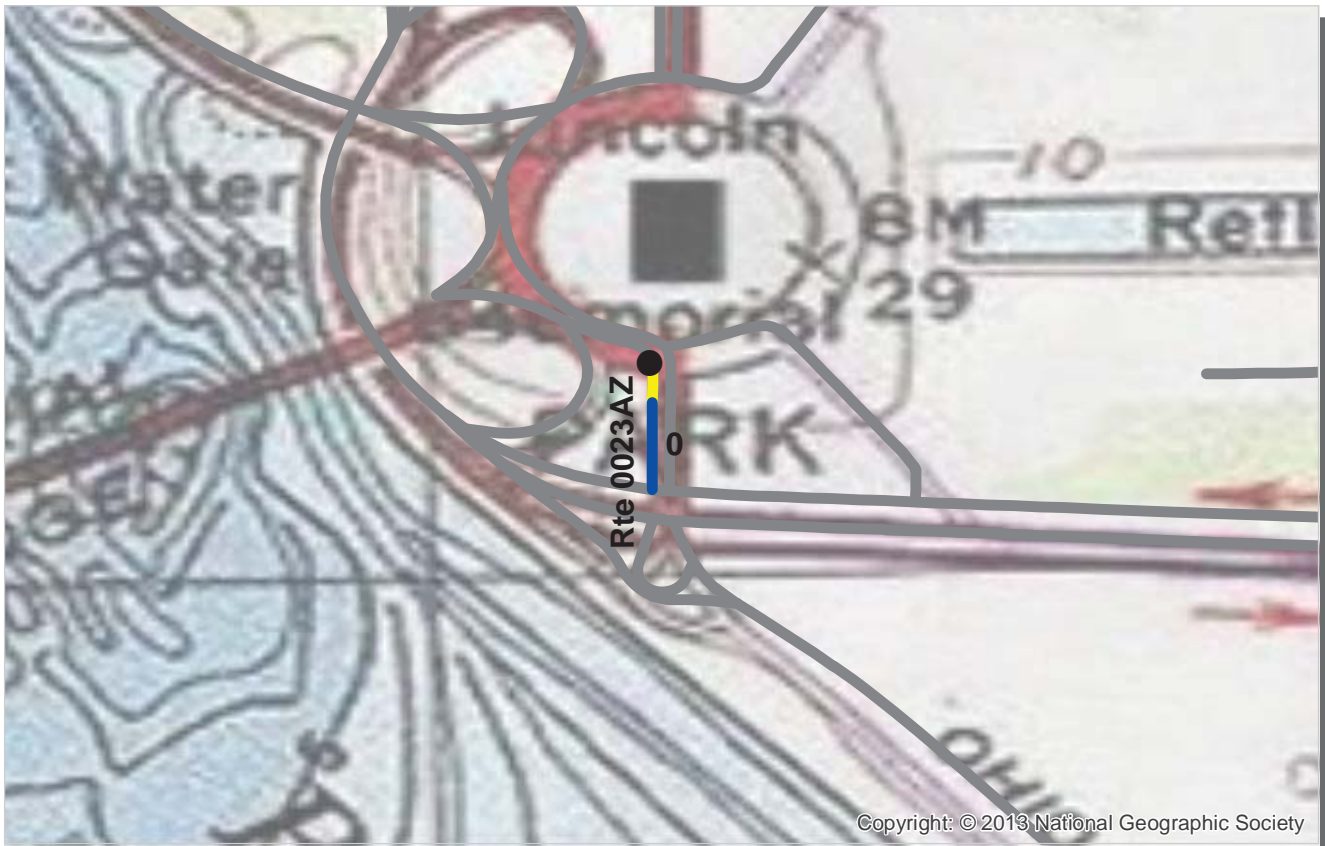
<b>Section Number</b>					
<b>Section Length (mi)</b>					
<b>Cross Section Information</b>					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	93				
PCR (Pavement Condition Rating)	93				
<b>Distress Index Values</b>					
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: 0023ZZ 23RD STREET SW



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: 0023AZ 23RD STREET SW (SOUTHBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.06 Miles**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.06				
<b>Cross Section Information</b>					
Number of Lanes	5				
Paved Width (ft)	58				
Lane Width (ft)	11				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	93				
PCR (Pavement Condition Rating)	93				
<b>Distress Index Values</b>					
Structural Crack Index	93				
Transverse Cracking Index	98				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

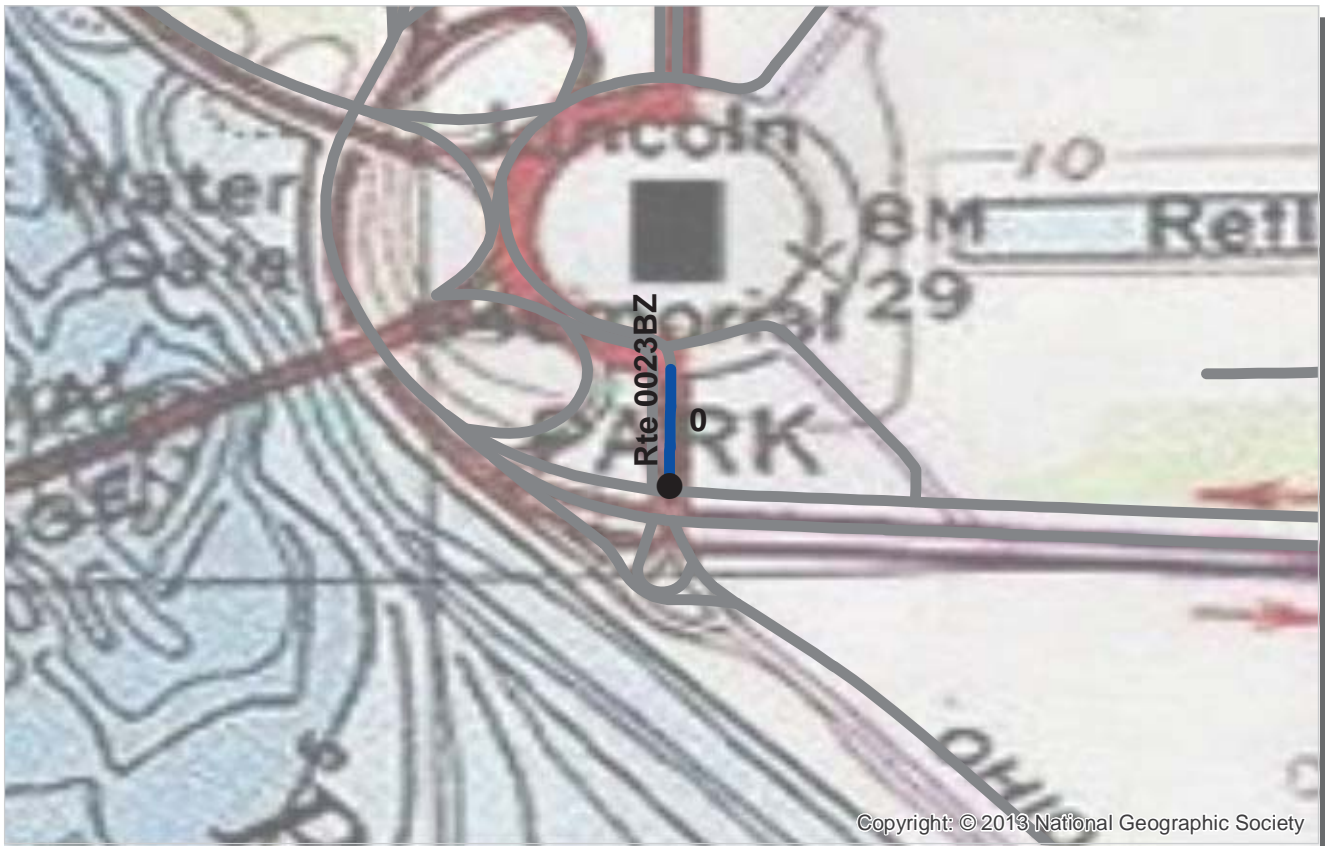
NOTES:

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: 0023AZ 23RD STREET SW (SOUTHBOUND)



PCR	Poor	<span style="background-color: red; color: black;">■</span>	Fair	<span style="background-color: yellow; color: black;">■</span>	Good	<span style="background-color: green; color: black;">■</span>	Excellent	<span style="background-color: blue; color: black;">■</span>	No Data	<span style="background-color: black; color: black;">■</span>
	(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: 0023BZ 23RD STREET SW (NORTHBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.07 Miles**

<i>Section Number</i>	0				
<i>Section Length (mi)</i>	0.07				
<i>Cross Section Information</i>					
Number of Lanes	2				
Paved Width (ft)	28				
Lane Width (ft)	14				
<i>Roadway Condition Information</i>					
SCR (Surface Condition Rating)	92				
PCR (Pavement Condition Rating)	92				
<i>Distress Index Values</i>					
Structural Crack Index	92				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

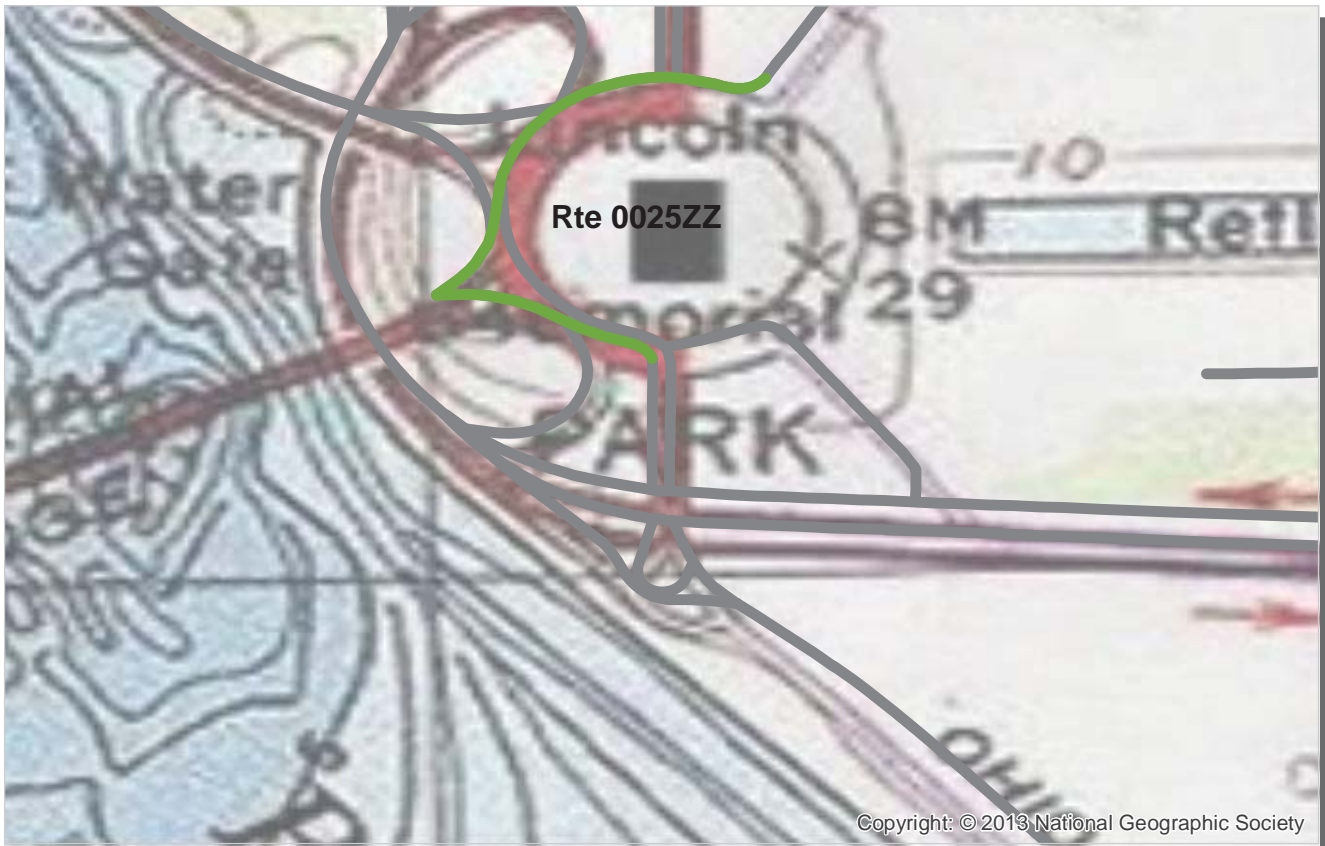
**NOTES:**

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: 0023BZ 23RD STREET SW (NORTHBOUND)**



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: 0025ZZ LINCOLN MEMORIAL CIRCLE NW AND SW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Summary Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.28 Miles**

<b>Section Number</b>					
<b>Section Length (mi)</b>					
<b>Cross Section Information</b>					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	79				
PCR (Pavement Condition Rating)	79				
<b>Distress Index Values</b>					
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:

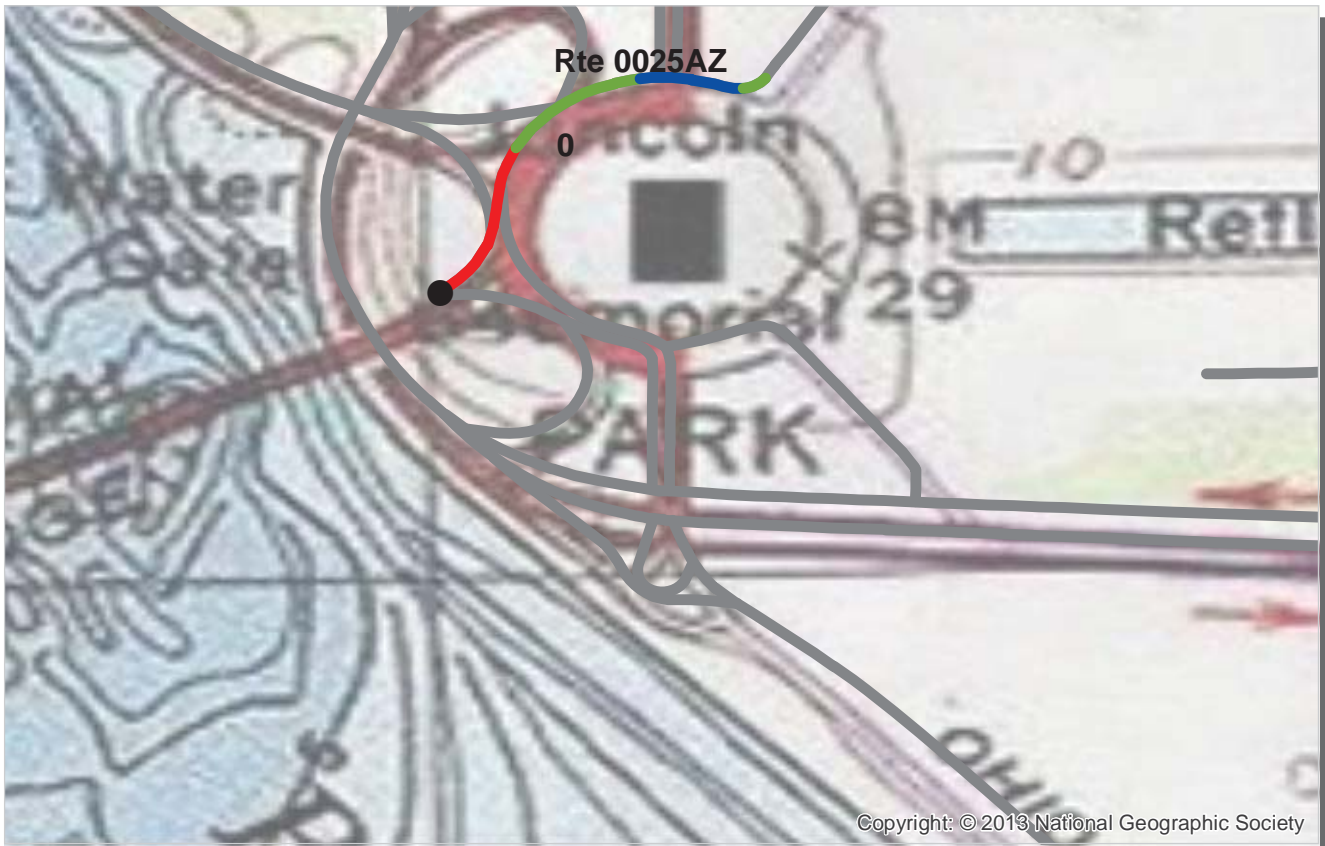
Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

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

NC - Not Collected    N/A - Not Applicable



ROUTE: 0025ZZ LINCOLN MEMORIAL CIRCLE NW AND SW



Copyright: © 2013 National Geographic Society

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: 0025AZ LINCOLN MEMORIAL CIRCLE NW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.19 Miles**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.19				
<b>Cross Section Information</b>					
Number of Lanes	5				
Paved Width (ft)	60				
Lane Width (ft)	12				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	77				
PCR (Pavement Condition Rating)	77				
<b>Distress Index Values</b>					
Structural Crack Index	77				
Transverse Cracking Index	92				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

**NOTES:**

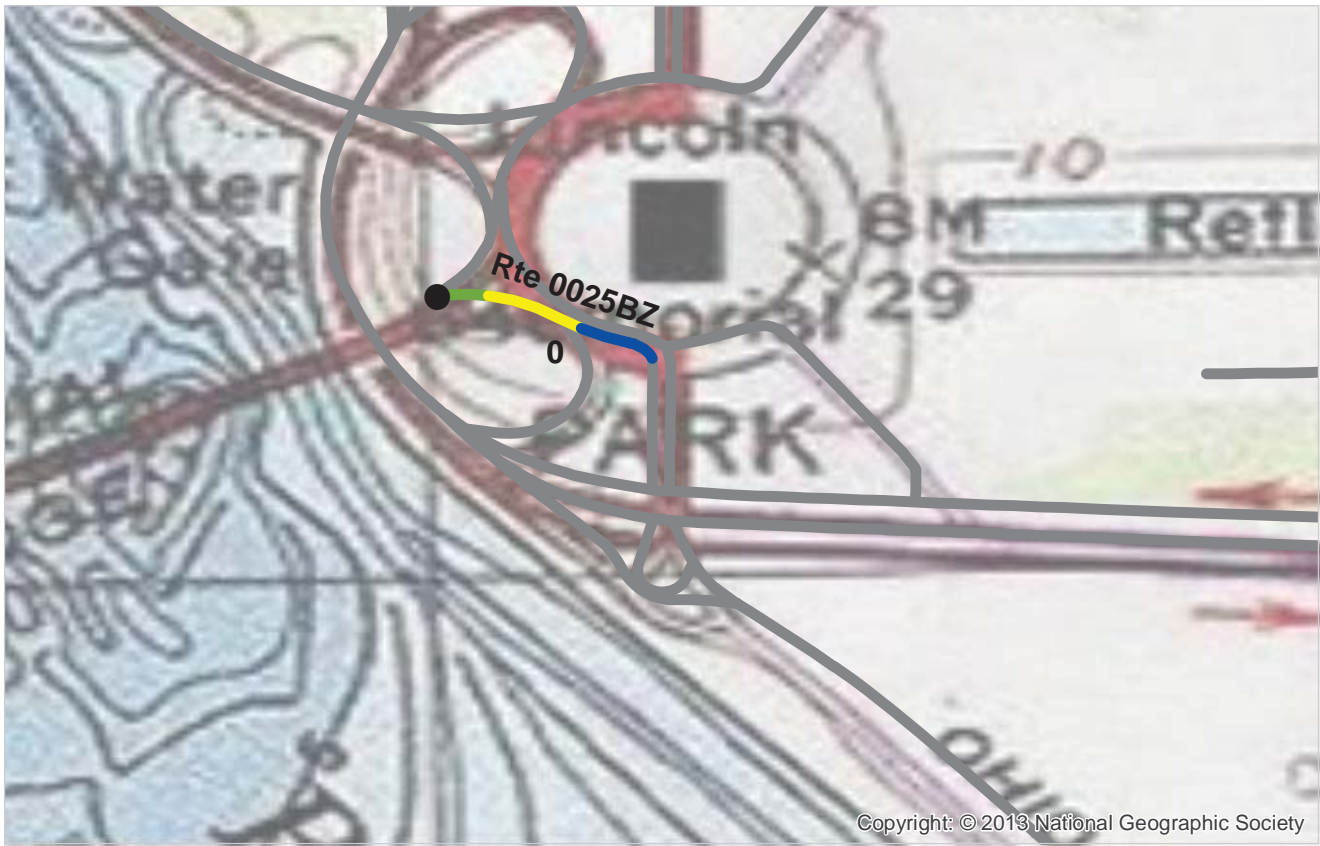
Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

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

NC - Not Collected N/A - Not Applicable



**ROUTE: 0025AZ LINCOLN MEMORIAL CIRCLE NW**



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: 0025BZ LINCOLN MEMORIAL CIRCLE SW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.09 Miles**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.09				
<b>Cross Section Information</b>					
Number of Lanes	3				
Paved Width (ft)	37				
Lane Width (ft)	12				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	87				
PCR (Pavement Condition Rating)	87				
<b>Distress Index Values</b>					
Structural Crack Index	87				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

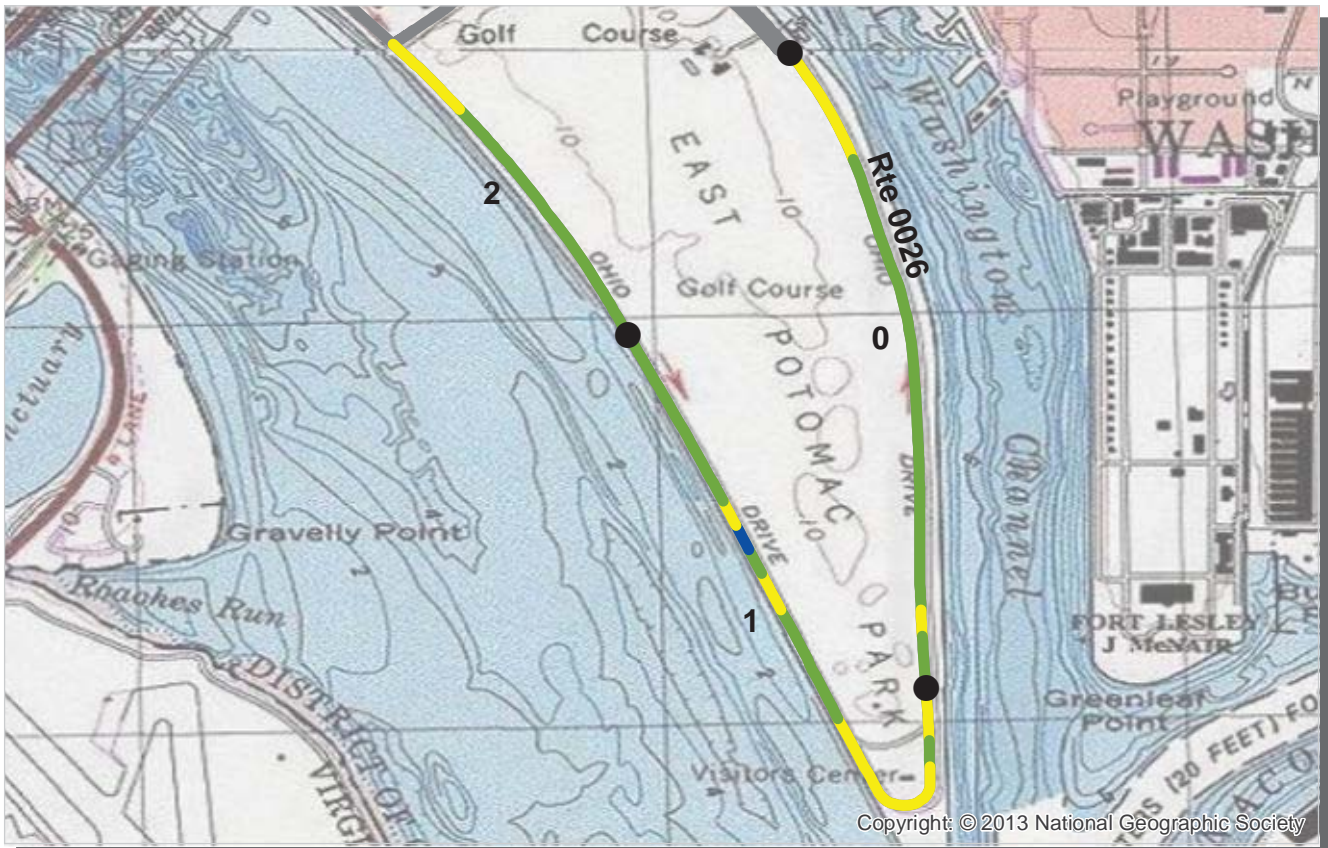
NOTES:

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: 0025BZ LINCOLN MEMORIAL CIRCLE SW



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: 0026 OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 2.52 Miles**

**NATIONAL CAPITAL REGION**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.52		
<b>Cross Section Information</b>					
Number of Lanes	2	2	2		
Paved Width (ft)	18	19	18		
Lane Width (ft)	10	9	9		
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	97	95	98		
PCR (Pavement Condition Rating)	86	82	84		
<b>Distress Index Values</b>					
Structural Crack Index	97	95	98		
Transverse Cracking Index	98	97	99		
Patching Index	100	99	100		
Rutting Index	NC	NC	NC		
Roughness Condition Index (RCI)	70	62	62		

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: 0026 OHIO DRIVE SW / HAINS POINT ACCESS 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: 0027ZZ OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Summary Record COLLECTED: 5/2/2013  
**NATIONAL CAPITAL REGION** TOTAL LENGTH: 1.35 Miles

<b>Section Number</b>					
<b>Section Length (mi)</b>					
<b>Cross Section Information</b>					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	92				
PCR (Pavement Condition Rating)	78				
<b>Distress Index Values</b>					
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: 0027ZZ OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD





Copyright: ©2013 National Geographic Society



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: 0027AZ OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

COLLECTED: 5/2/2013

NATIONAL CAPITAL REGION

TOTAL LENGTH: 0.68 Miles

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.68				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	89				
PCR (Pavement Condition Rating)	76				
<b>Distress Index Values</b>					
Structural Crack Index	90				
Transverse Cracking Index	89				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	57				

ROUTE: 0027AZ OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND)

NOTES:

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

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

NC - Not Collected N/A - Not Applicable



PCR	Poor	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: 0027BZ OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (SOUTHBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

NATIONAL CAPITAL REGION

COLLECTED: 5/2/2013  
TOTAL LENGTH: 0.68 Miles

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.68				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	21				
Lane Width (ft)	17				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	95				
PCR (Pavement Condition Rating)	80				
<b>Distress Index Values</b>					
Structural Crack Index	95				
Transverse Cracking Index	95				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	58				

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: 0027BZ OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (SOUTHBOUND)



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 MADISON DRIVE NW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.96 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.96				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	35				
Lane Width (ft)	13				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	100				
PCR (Pavement Condition Rating)	100				
<b>Distress Index Values</b>					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

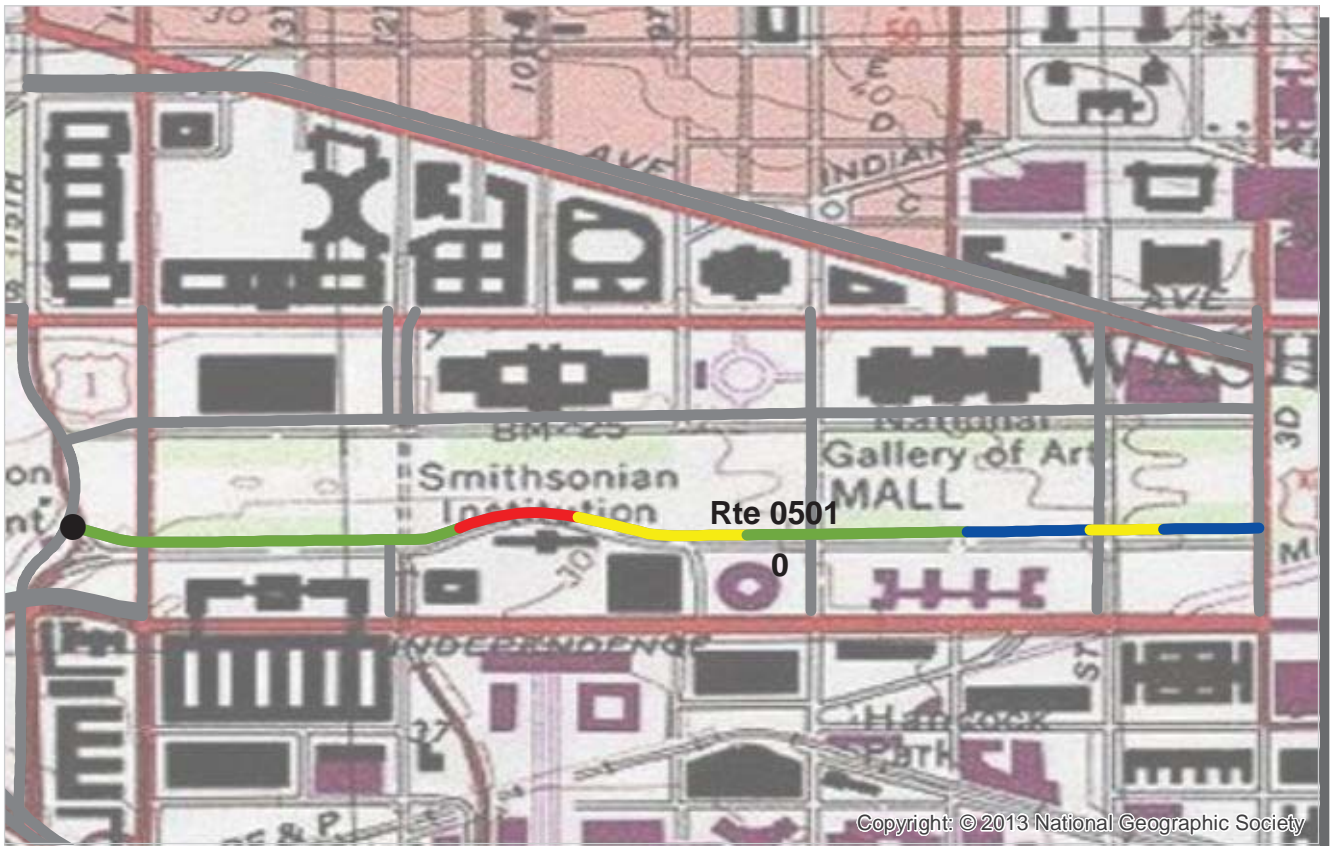
**NOTES:**

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: 0500 MADISON DRIVE NW**



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: 0501 JEFFERSON DRIVE SW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.97 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.97				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	34				
Lane Width (ft)	19				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	87				
PCR (Pavement Condition Rating)	87				
<b>Distress Index Values</b>					
Structural Crack Index	87				
Transverse Cracking Index	89				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

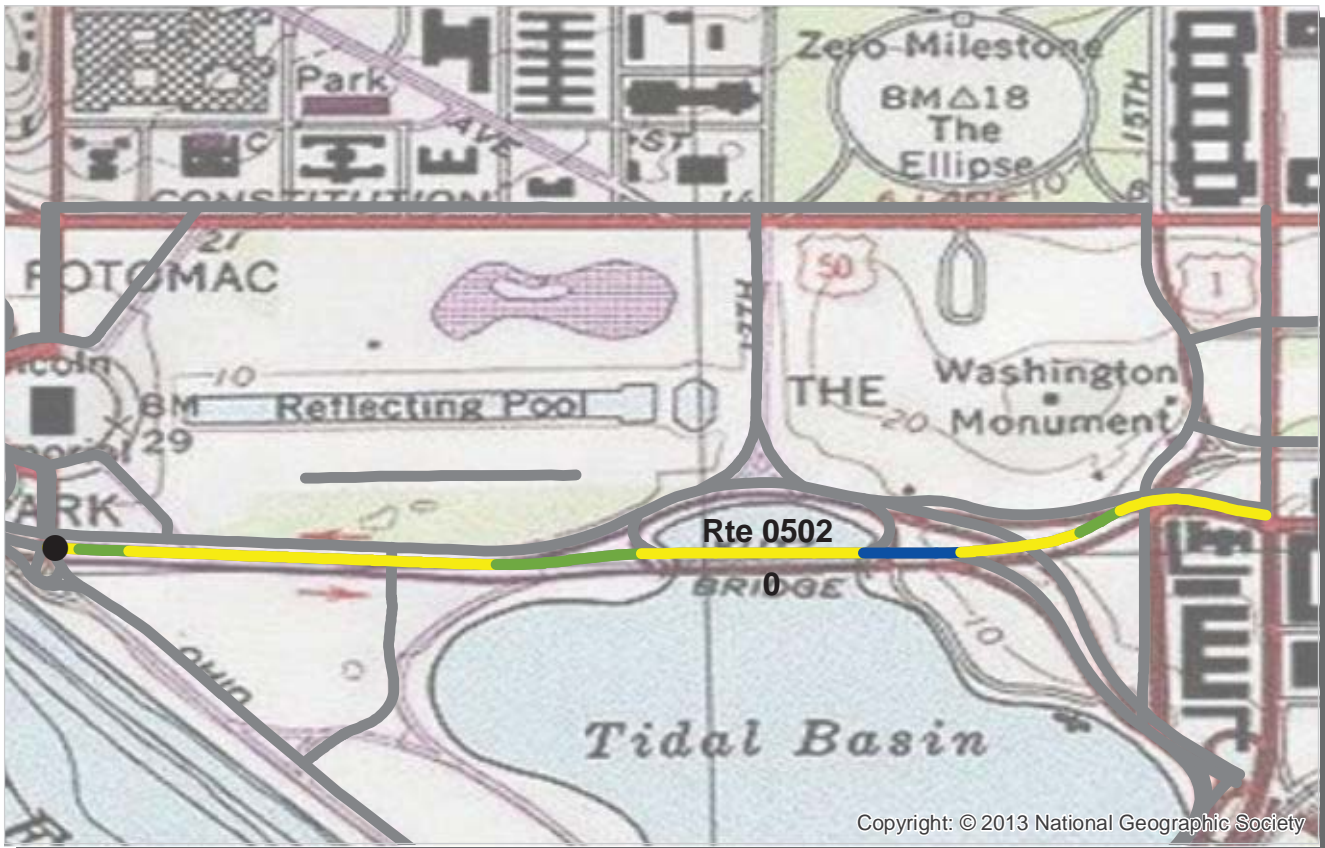
**NOTES:**

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: 0501 JEFFERSON DRIVE SW**



Copyright: © 2013 National Geographic Society

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 INDEPENDENCE AVENUE SW (EASTBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.99 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.99				
<b>Cross Section Information</b>					
Number of Lanes	3				
Paved Width (ft)	33				
Lane Width (ft)	11				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	88				
PCR (Pavement Condition Rating)	77				
<b>Distress Index Values</b>					
Structural Crack Index	88				
Transverse Cracking Index	92				
Patching Index	98				
Rutting Index	NC				
Roughness Condition Index (RCI)	60				

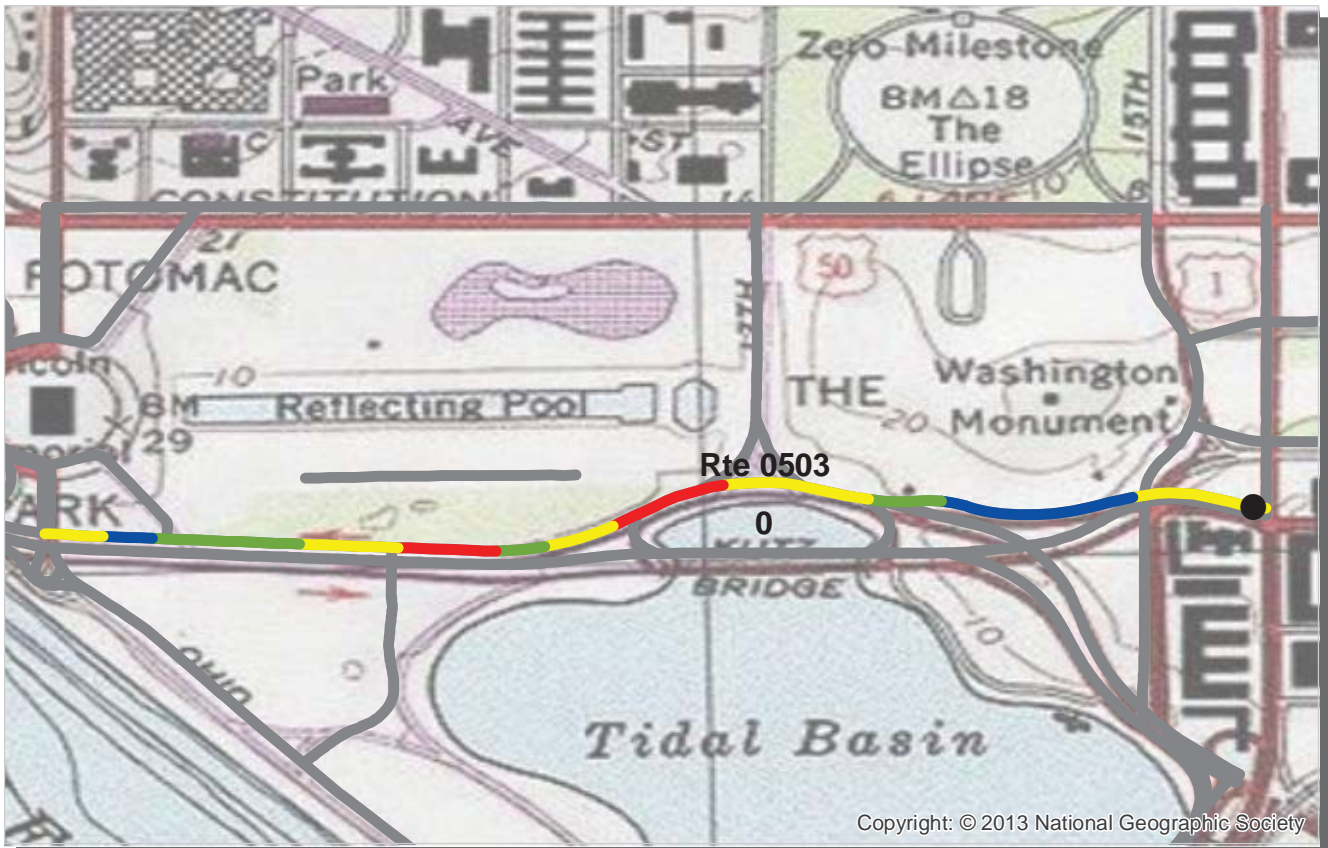
**NOTES:**

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 INDEPENDENCE AVENUE SW (EASTBOUND)**



Copyright: © 2013 National Geographic Society

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: 0503 INDEPENDENCE AVENUE SW (WESTBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 1.00 Miles**

**NATIONAL CAPITAL REGION**

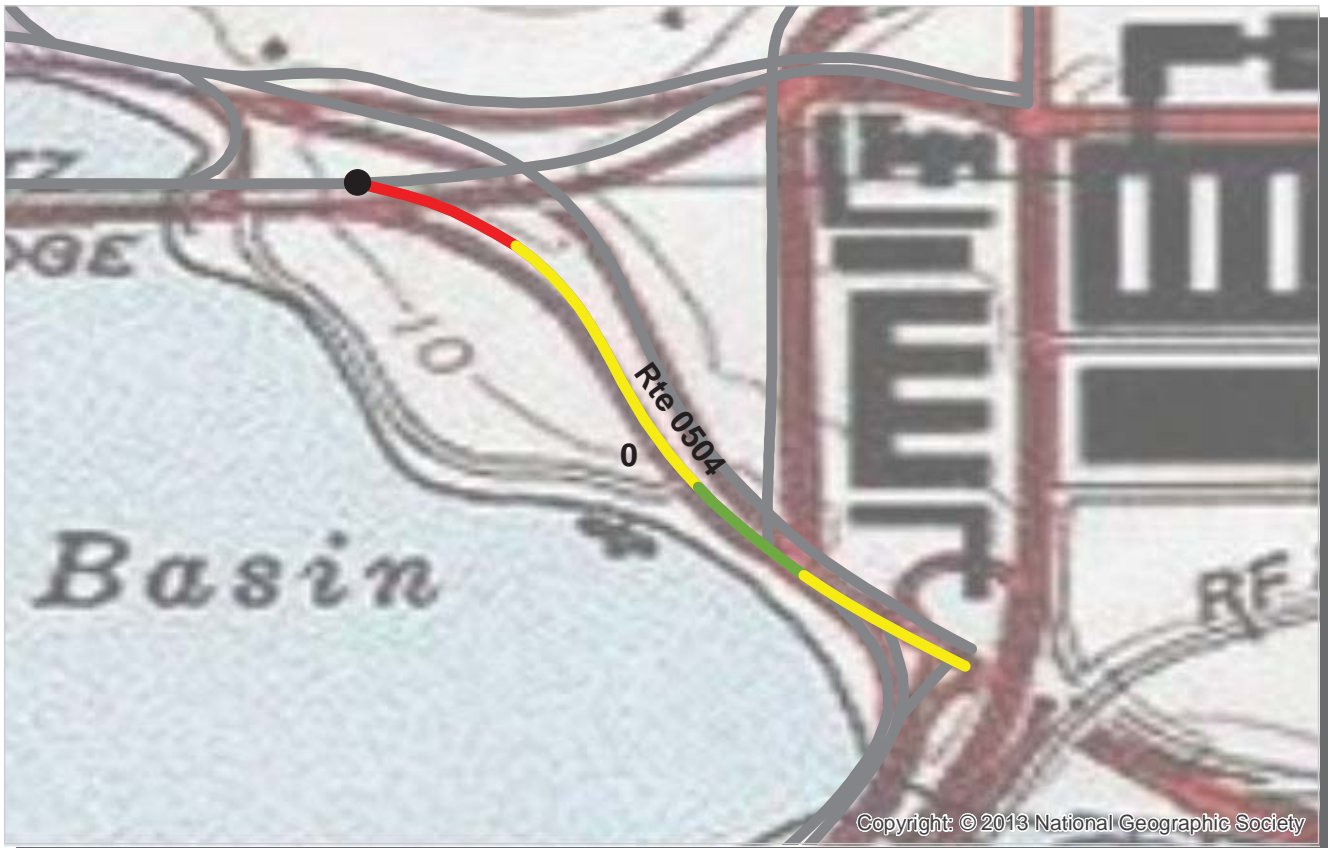
<b>Section Number</b>	0				
<b>Section Length (mi)</b>	1.00				
<b>Cross Section Information</b>					
Number of Lanes	3				
Paved Width (ft)	34				
Lane Width (ft)	11				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	91				
PCR (Pavement Condition Rating)	81				
<b>Distress Index Values</b>					
Structural Crack Index	91				
Transverse Cracking Index	91				
Patching Index	98				
Rutting Index	NC				
Roughness Condition Index (RCI)	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: 0503 INDEPENDENCE AVENUE SW (WESTBOUND)**



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: 0504 MAINE AVENUE SW (EASTBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.35 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.35				
<b>Cross Section Information</b>					
Number of Lanes	3				
Paved Width (ft)	28				
Lane Width (ft)	10				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	69				
PCR (Pavement Condition Rating)	69				
<b>Distress Index Values</b>					
Structural Crack Index	83				
Transverse Cracking Index	69				
Patching Index	99				
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: 0504 MAINE AVENUE SW (EASTBOUND)**



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: 0505 MAINE AVENUE SW (WESTBOUND)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.42 Miles**

**NATIONAL CAPITAL REGION**

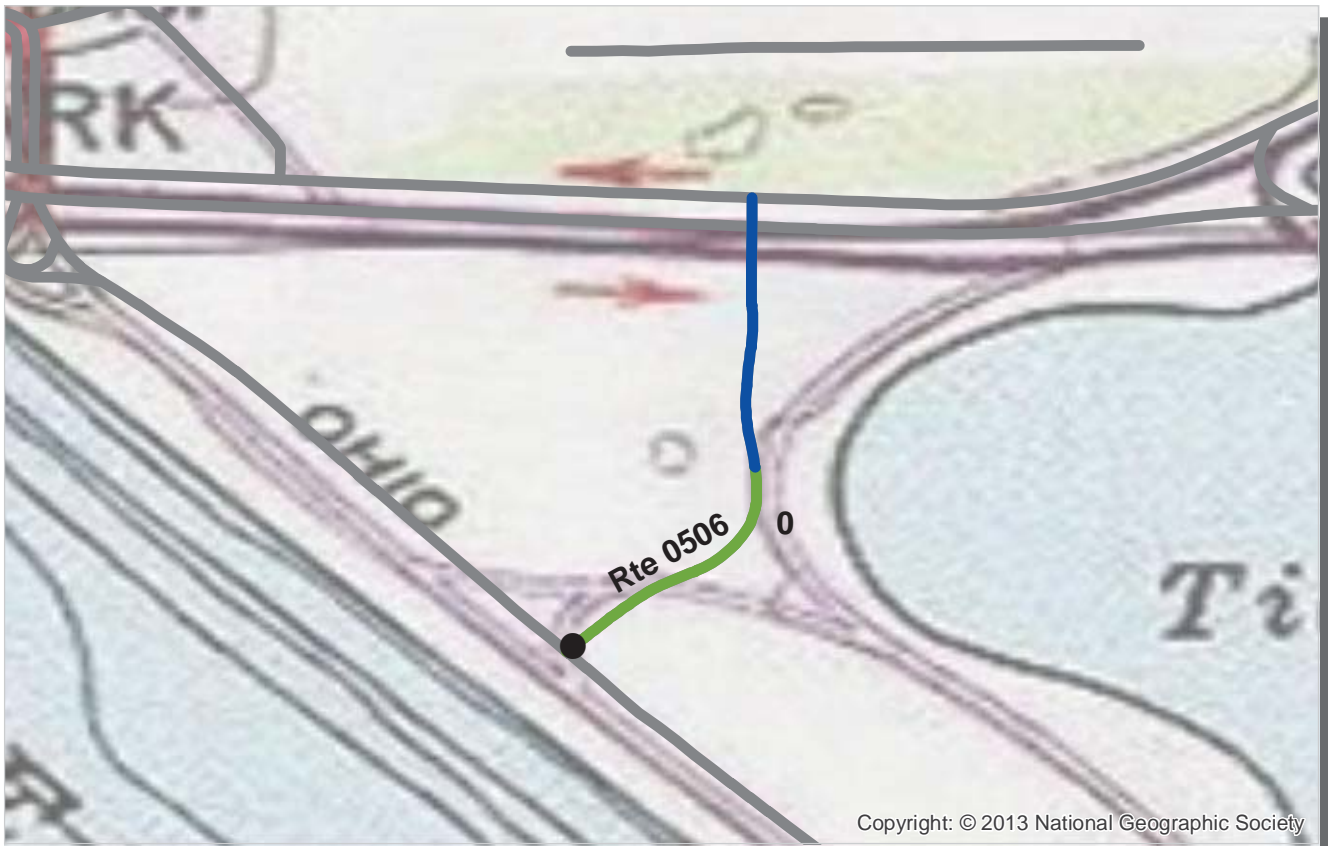
<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.42				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	26				
Lane Width (ft)	11				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	59				
PCR (Pavement Condition Rating)	59				
<b>Distress Index Values</b>					
Structural Crack Index	86				
Transverse Cracking Index	59				
Patching Index	99				
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: 0505 MAINE AVENUE SW (WESTBOUND)





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: 0506 WEST BASIN DRIVE SW**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.25 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.25				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	29				
Lane Width (ft)	14				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	93				
PCR (Pavement Condition Rating)	93				
<b>Distress Index Values</b>					
Structural Crack Index	93				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

**NOTES:**

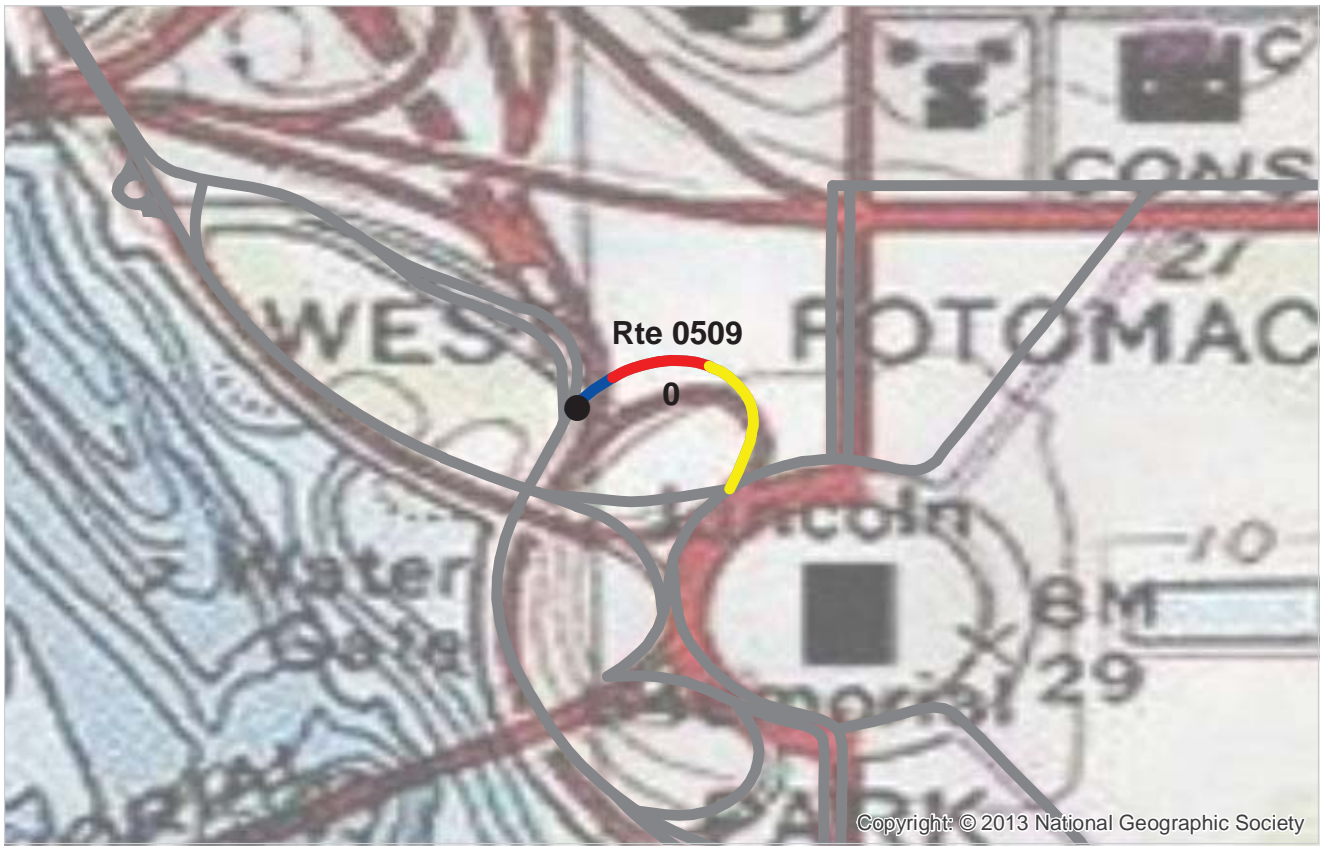
Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

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

NC - Not Collected    N/A - Not Applicable



**ROUTE: 0506 WEST BASIN DRIVE SW**



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: 0509 OHIO DRIVE RAMP TO LINCOLN MEMORIAL CIRCLE**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.11 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.11				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	26				
Lane Width (ft)	24				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	73				
PCR (Pavement Condition Rating)	73				
<b>Distress Index Values</b>					
Structural Crack Index	73				
Transverse Cracking Index	94				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

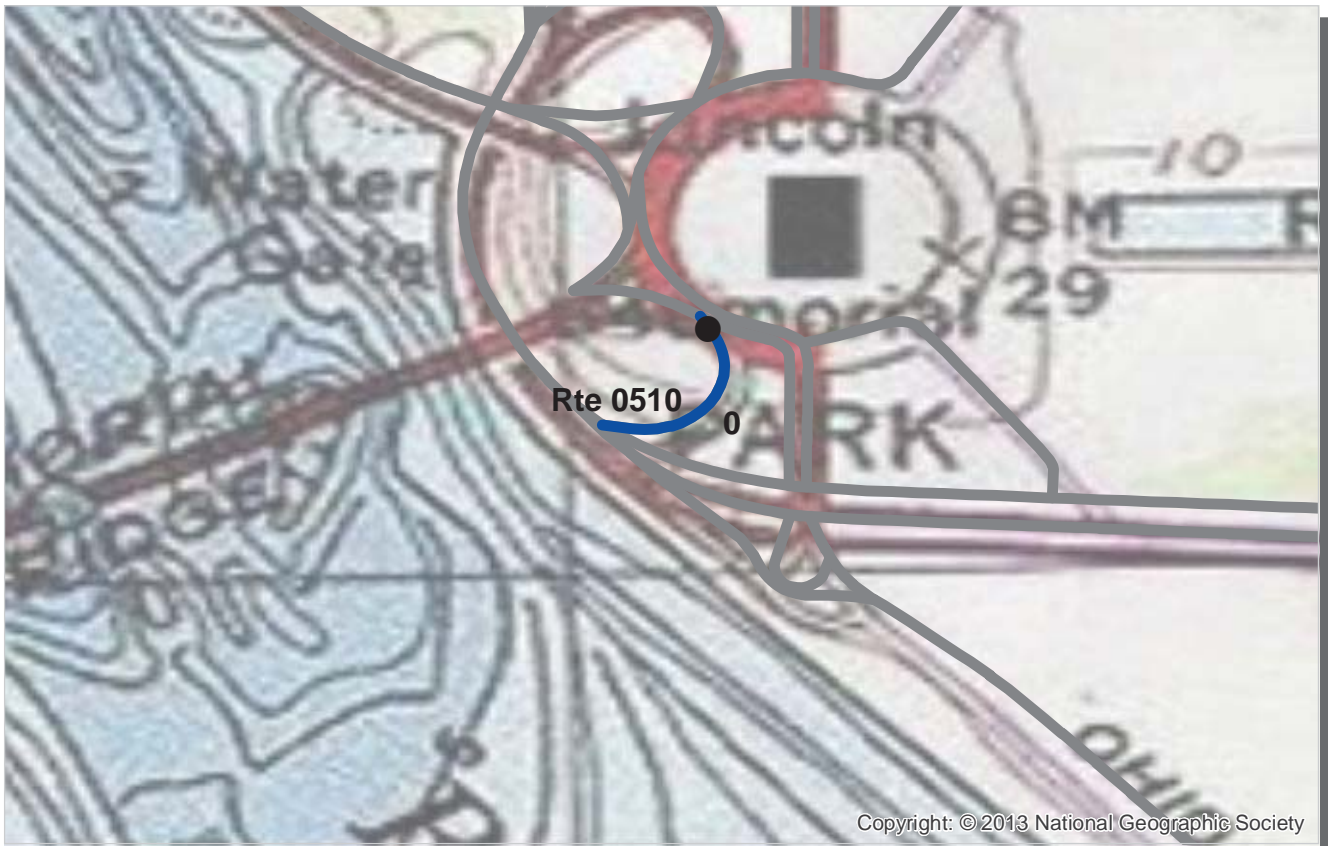
**NOTES:**

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: 0509 OHIO DRIVE RAMP TO LINCOLN MEMORIAL CIRCLE**



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: 0510 LINCOLN MEMORIAL CIRCLE RAMP TO OHIO DRIVE**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.08 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.08				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	28				
Lane Width (ft)	21				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	98				
PCR (Pavement Condition Rating)	98				
<b>Distress Index Values</b>					
Structural Crack Index	98				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

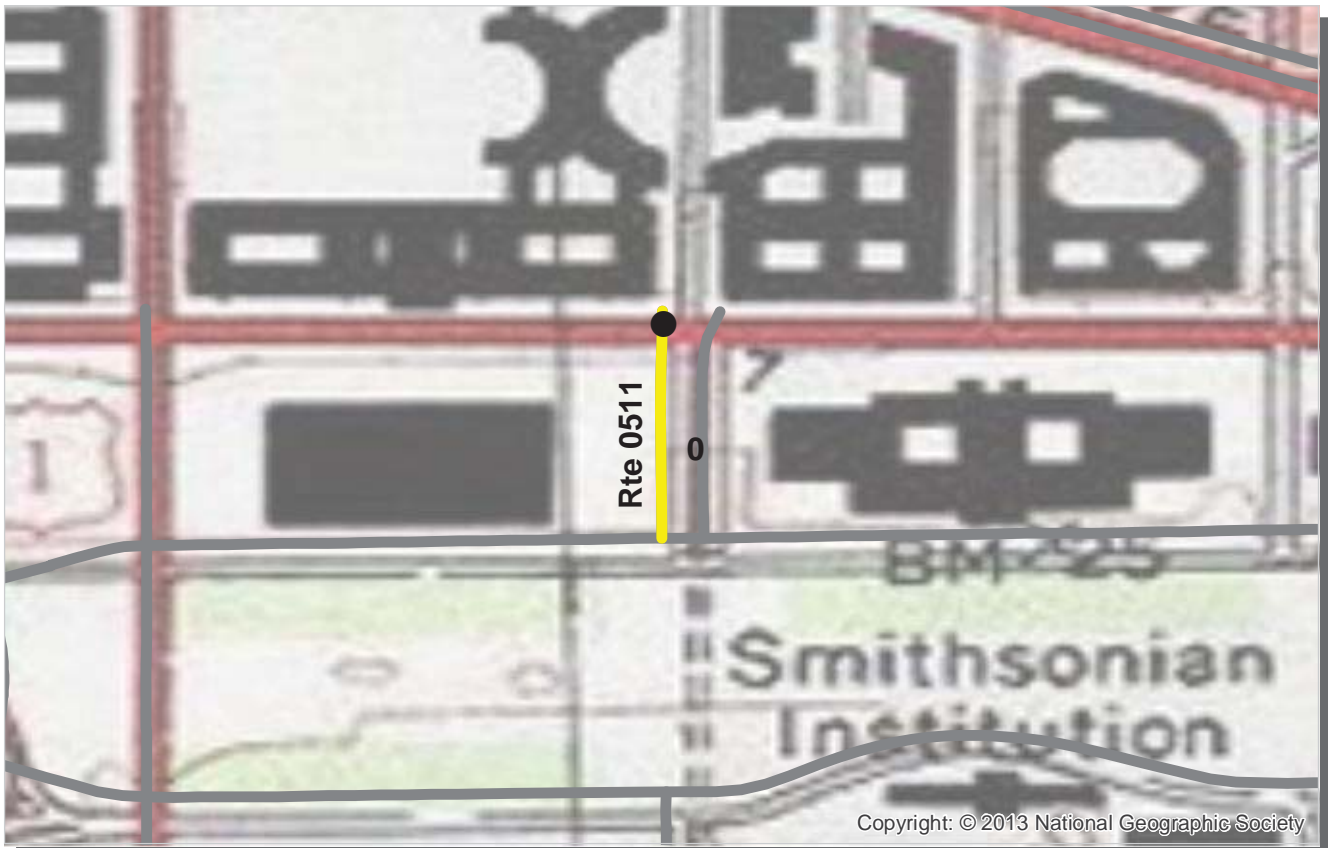
**NOTES:**

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: 0510 LINCOLN MEMORIAL CIRCLE RAMP TO OHIO DRIVE**



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: 0511 12TH STREET NW (SOUTHBOUND RAMP)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.10 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.10				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	28				
Lane Width (ft)	28				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	73				
PCR (Pavement Condition Rating)	73				
<b>Distress Index Values</b>					
Structural Crack Index	73				
Transverse Cracking Index	100				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

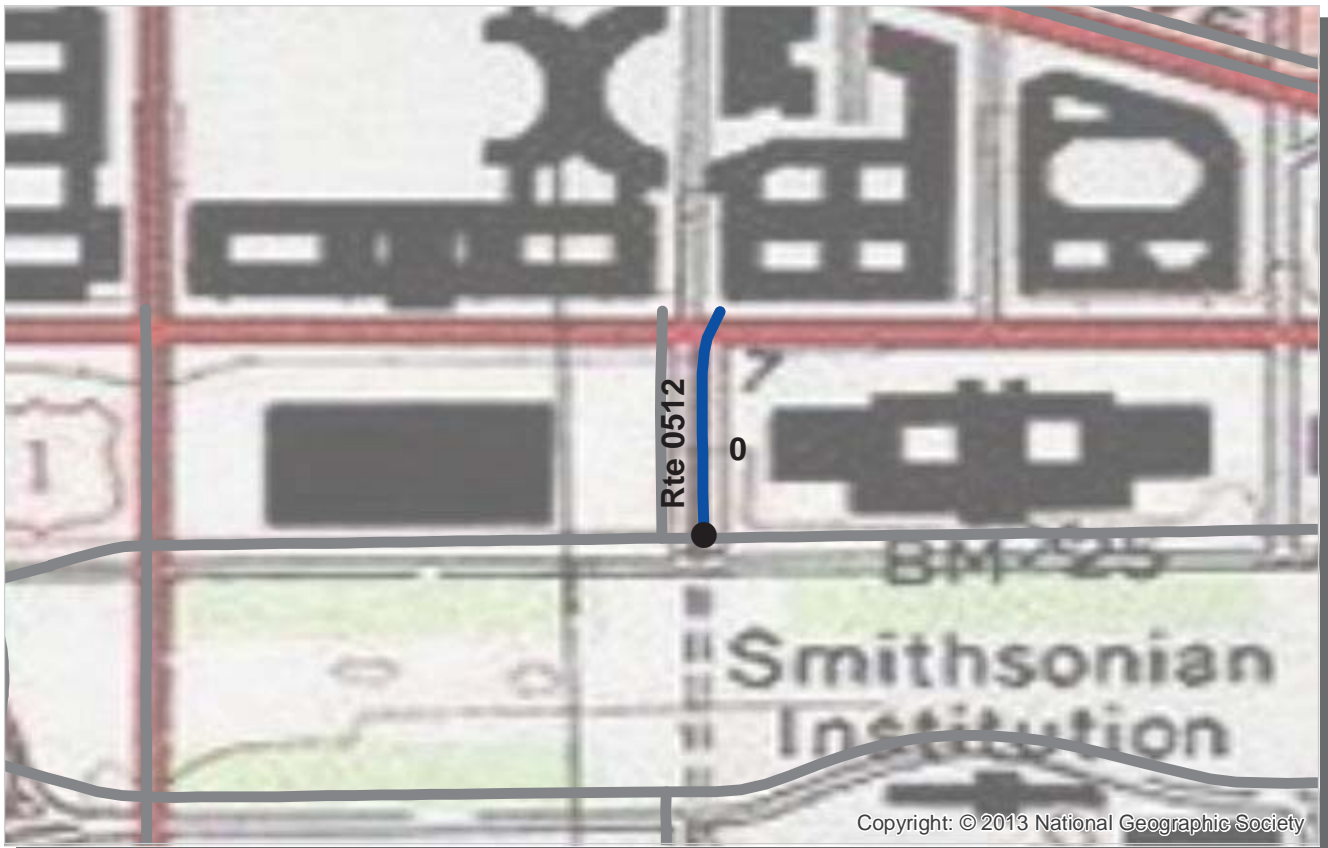
**NOTES:**

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: 0511 12TH STREET NW (SOUTHBOUND RAMP)**



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: 0512 12TH STREET NW (NORTHBOUND RAMP)**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.10 Miles**

**NATIONAL CAPITAL REGION**

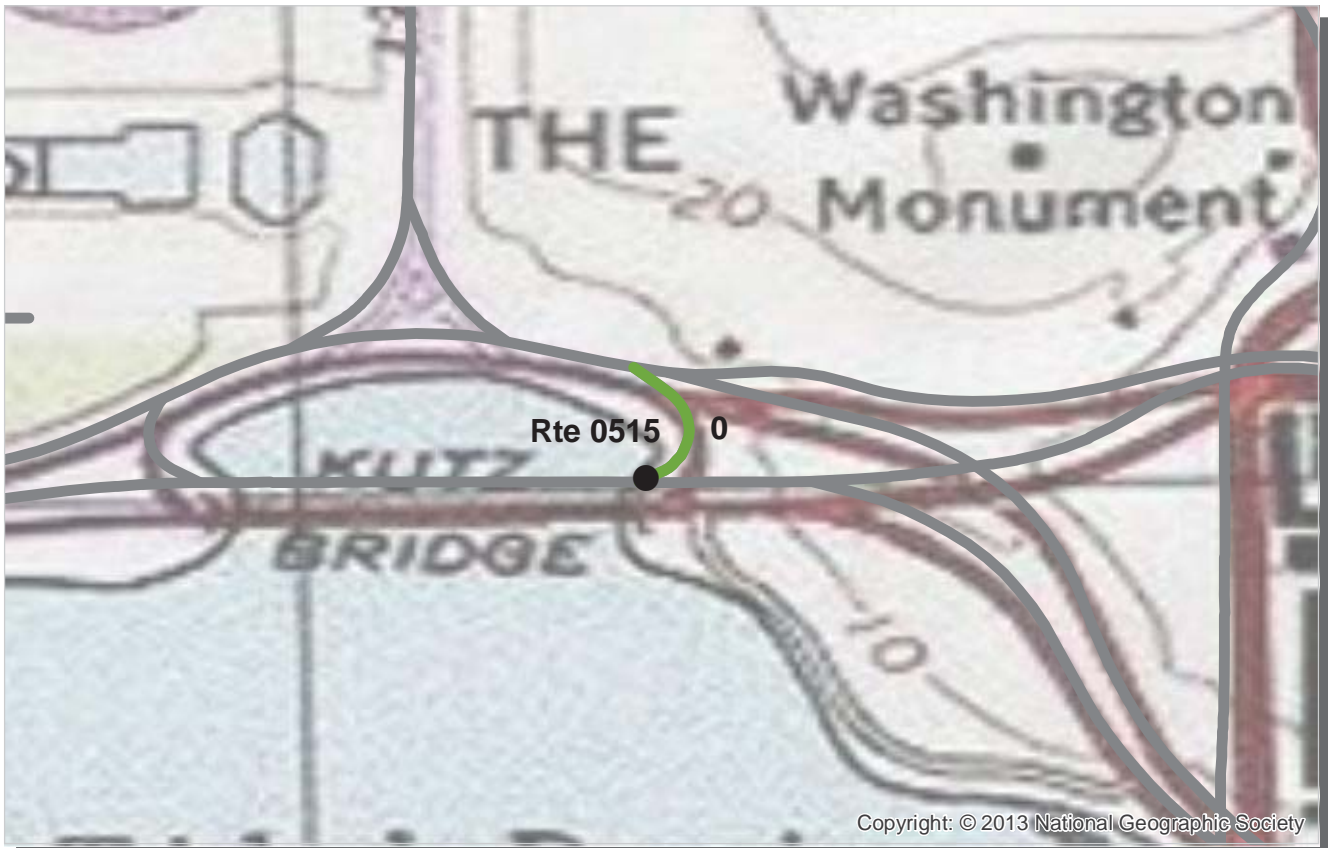
<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.10				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	26				
Lane Width (ft)	25				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	100				
PCR (Pavement Condition Rating)	100				
<b>Distress Index Values</b>					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
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: 0512 12TH STREET NW (NORTHBOUND RAMP)**



Copyright: © 2013 National Geographic Society



PCR	Poor	<span style="display:inline-block; width:15px; height:15px; background-color:red;"></span>	Fair	<span style="display:inline-block; width:15px; height:15px; background-color:yellow;"></span>	Good	<span style="display:inline-block; width:15px; height:15px; background-color:green;"></span>	Excellent	<span style="display:inline-block; width:15px; height:15px; background-color:blue;"></span>	No Data	<span style="display:inline-block; width:15px; height:15px; background-color:black;"></span>
		(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: 0515 EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.06 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.06				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	28				
Lane Width (ft)	28				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	90				
PCR (Pavement Condition Rating)	90				
<b>Distress Index Values</b>					
Structural Crack Index	92				
Transverse Cracking Index	90				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

**ROUTE: 0515 EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND**

**NOTES:**

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



PCR    Poor ■    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: 0516 WESTBOUND TO EASTBOUND TIDAL BASIN TURNAROUND**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.04 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.04				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	32				
Lane Width (ft)	15				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	96				
PCR (Pavement Condition Rating)	96				
<b>Distress Index Values</b>					
Structural Crack Index	96				
Transverse Cracking Index	97				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

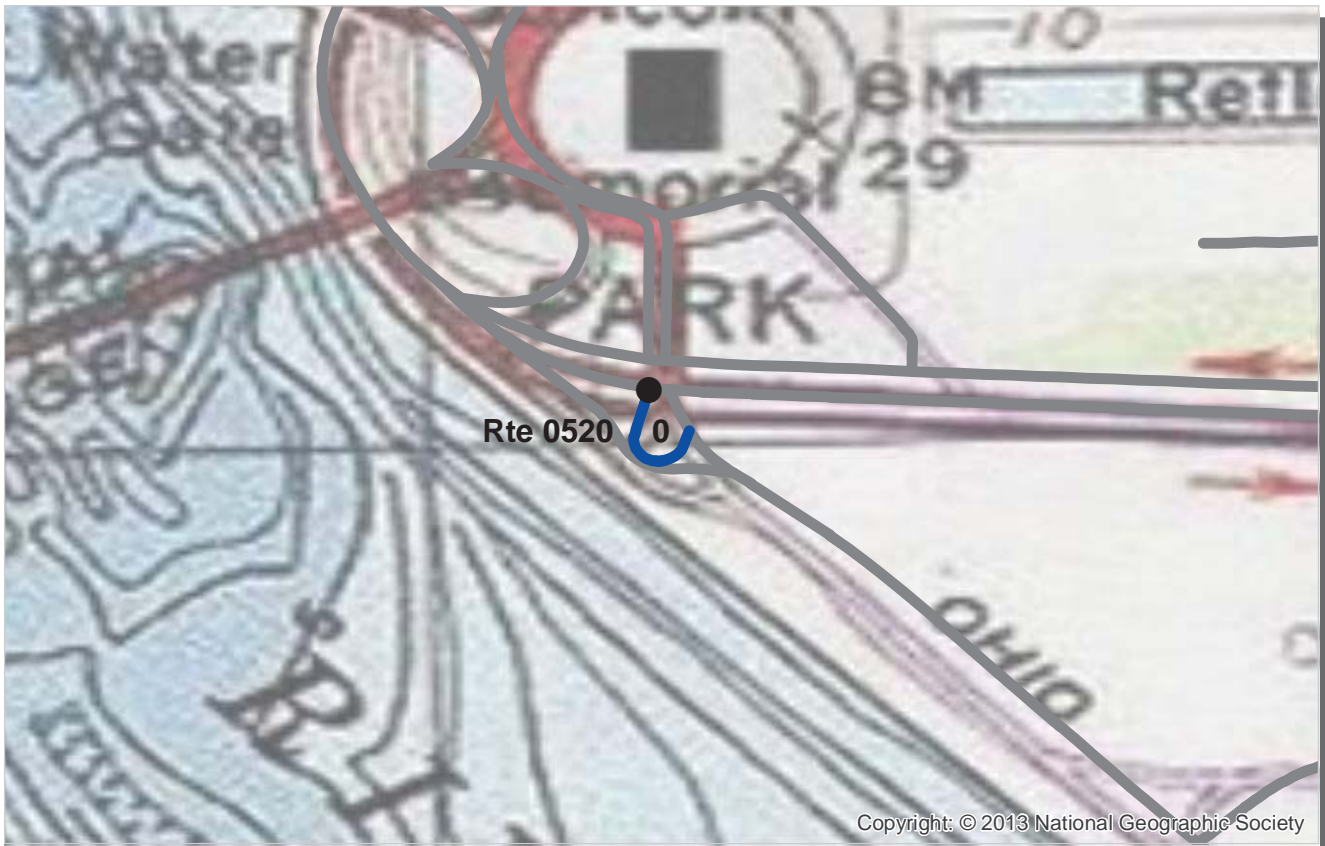
**NOTES:**

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: 0516 WESTBOUND TO EASTBOUND TIDAL BASIN TURNAROUND**



Copyright: © 2013 National Geographic Society

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: 0520 JOHN ERICSSON MEMORIAL LOOP**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

**COLLECTED: 5/2/2013**  
**TOTAL LENGTH: 0.05 Miles**

**NATIONAL CAPITAL REGION**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.05				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	26				
Lane Width (ft)	26				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	100				
PCR (Pavement Condition Rating)	100				
<b>Distress Index Values</b>					
Structural Crack Index	100				
Transverse Cracking Index	100				
Patching Index	100				
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: 0520 JOHN ERICSSON MEMORIAL LOOP**





Copyright: © 2013 National Geographic Society



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: 0522ZZ NORTHBOUND I-395 ON/OFF RAMPS AT NCR HEADQUARTERS**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Summary Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.20 Miles**

<b>Section Number</b>					
<b>Section Length (mi)</b>					
<b>Cross Section Information</b>					
Number of Lanes	N/A				
Paved Width (ft)	N/A				
Lane Width (ft)	N/A				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	50				
PCR (Pavement Condition Rating)	50				
<b>Distress Index Values</b>					
Structural Crack Index	N/A				
Transverse Cracking Index	N/A				
Patching Index	N/A				
Rutting Index	N/A				
Roughness Condition Index (RCI)	N/A				

**ROUTE: 0522ZZ NORTHBOUND I-395 ON/OFF RAMPS AT NCR HEADQUARTERS**

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



Copyright: © 2013 National Geographic Society

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: 0522AZ NORTHBOUND I-395 RAMP FROM NCR HEADQUARTERS**  
**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record COLLECTED: 5/2/2013  
**NATIONAL CAPITAL REGION** TOTAL LENGTH: 0.10 Miles

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.10				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	51				
PCR (Pavement Condition Rating)	51				
<b>Distress Index Values</b>					
Structural Crack Index	51				
Transverse Cracking Index	71				
Patching Index	100				
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: 0522AZ NORTHBOUND I-395 RAMP FROM NCR HEADQUARTERS**



Copyright: © 2013 National Geographic Society



PCR	Poor	<span style="display:inline-block; width:15px; height:15px; background-color:red;"></span>	Fair	<span style="display:inline-block; width:15px; height:15px; background-color:yellow;"></span>	Good	<span style="display:inline-block; width:15px; height:15px; background-color:green;"></span>	Excellent	<span style="display:inline-block; width:15px; height:15px; background-color:blue;"></span>	No Data	<span style="display:inline-block; width:15px; height:15px; background-color:black;"></span>
		(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: 0522BZ NORTHBOUND I-395 RAMP TO NCR HEADQUARTERS**

**NAMA : NATIONAL MALL AND MEMORIAL PARKS**

Subcomponent Record

**COLLECTED: 5/2/2013**

**NATIONAL CAPITAL REGION**

**TOTAL LENGTH: 0.10 Miles**

<b>Section Number</b>	0				
<b>Section Length (mi)</b>	0.10				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
<b>Roadway Condition Information</b>					
SCR (Surface Condition Rating)	48				
PCR (Pavement Condition Rating)	48				
<b>Distress Index Values</b>					
Structural Crack Index	48				
Transverse Cracking Index	91				
Patching Index	100				
Rutting Index	NC				
Roughness Condition Index (RCI)	NC				

**ROUTE: 0522BZ NORTHBOUND I-395 RAMP TO NCR HEADQUARTERS**

**NOTES:**

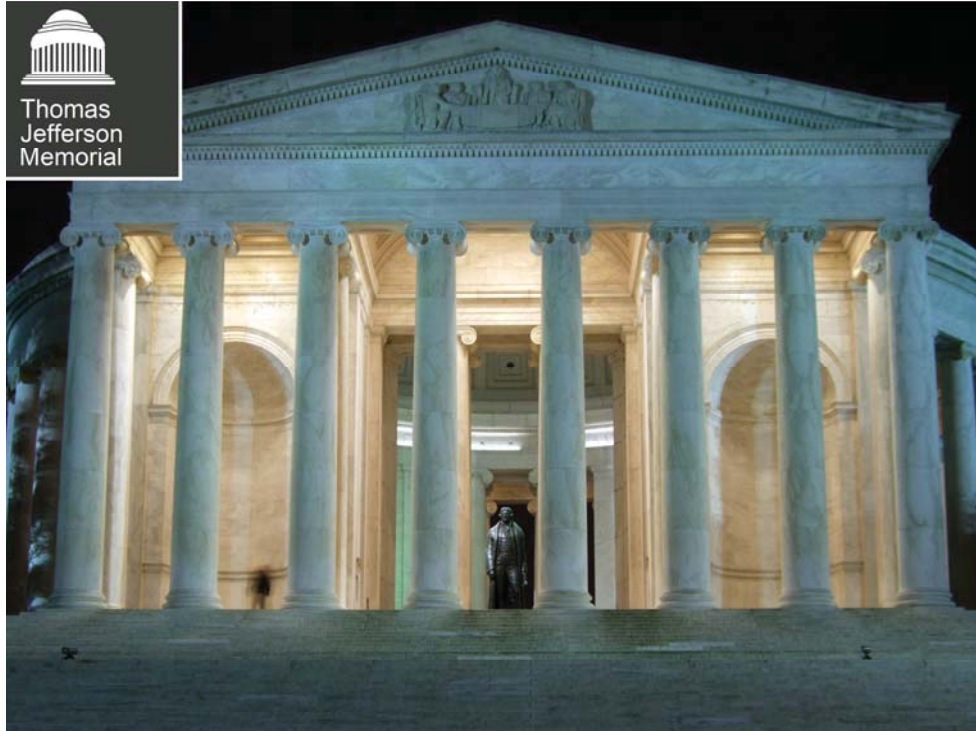
Structural Crack Index is a combination of the Longitudinal Cracking Index and Alligator Cracking Index.

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

NC - Not Collected N/A - Not Applicable

# Section 6

## Manually Rated Paved Route Condition Rating Sheets



National Mall and Memorial Parks



Federal Lands Highway  
Road Inventory Program

# NATIONAL MALL AND MEMORIAL PARKS

## Route 0406

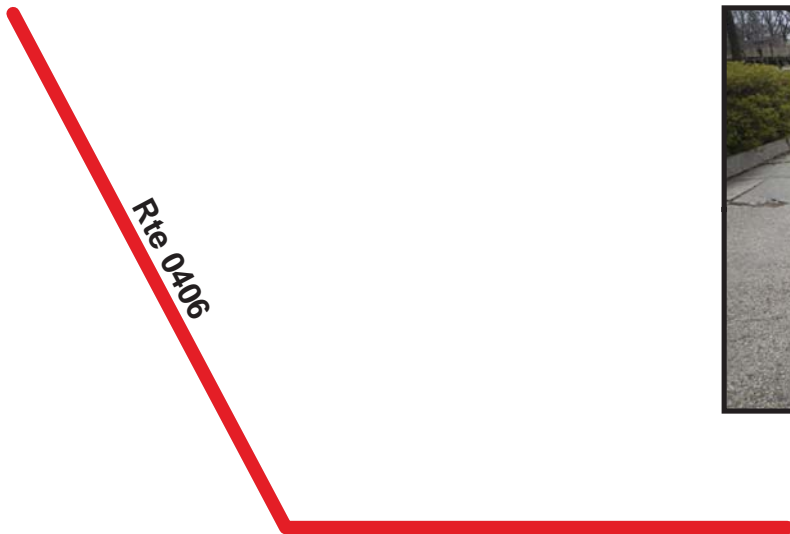
TITANIC MEMORIAL SERVICE ROAD

FROM DC POLICE DOCK

TO INTERSECTION OF P STREET SW AND 4TH STREET SW

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Paved Length (mi)	Paved Width (ft)
0406	NONPUBLIC	3/11/2013	21,374	0.37	0.23	17.3
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR	Surface Type
0	1	0	NO CURB AND GUTTER	NO CURB	POOR/45	CO

\* Lane miles are based on 11' lane widths



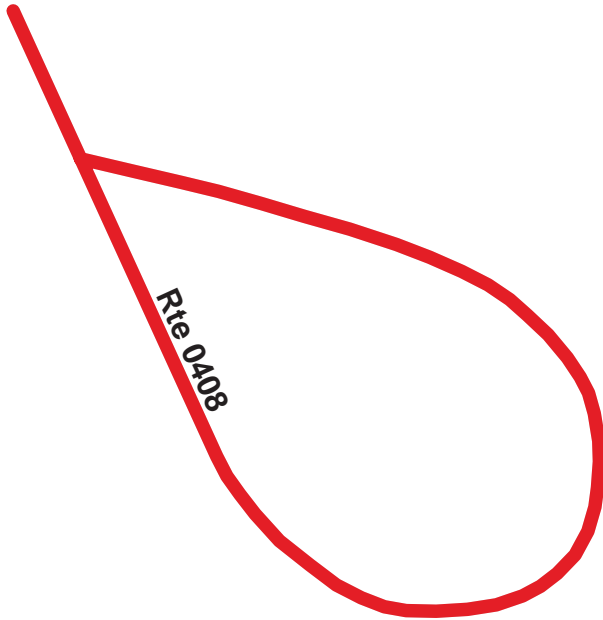
# NATIONAL MALL AND MEMORIAL PARKS

## Route 0408

HAINS POINT PLAYGROUND RESTROOM SERVICE ROAD  
 FROM ROUTE 0200 (HAINS POINT RESTROOM SERVICE ACCESS)  
 TO END OF LOOP

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Paved Length (mi)	Paved Width (ft)
0408	NONPUBLIC	3/11/2013	4,355	0.08	0.07	11.3
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR	Surface Type
0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45	AS

\* Lane miles are based on 11' lane widths



# NATIONAL MALL AND MEMORIAL PARKS

## Route 0409

CONSTITUTION GARDENS BUS LOOP  
 FROM ROUTE 0010 (CONSTITUTION AVENUE NW)  
 TO ROUTE 0010 (CONSTITUTION AVENUE NW)

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Paved Length (mi)	Paved Width (ft)
0409	NONPUBLIC	5/3/2013	4,051	0.07	0.06	13.7
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR	Surface Type
0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90	AS

\* Lane miles are based on 11' lane widths



Rte 0010

Rte 0409



# Section 7

## Parking Area

### Condition Rating Sheets



National Mall and Memorial Parks



Federal Lands Highway  
Road Inventory Program



# NATIONAL MALL AND MEMORIAL PARKS

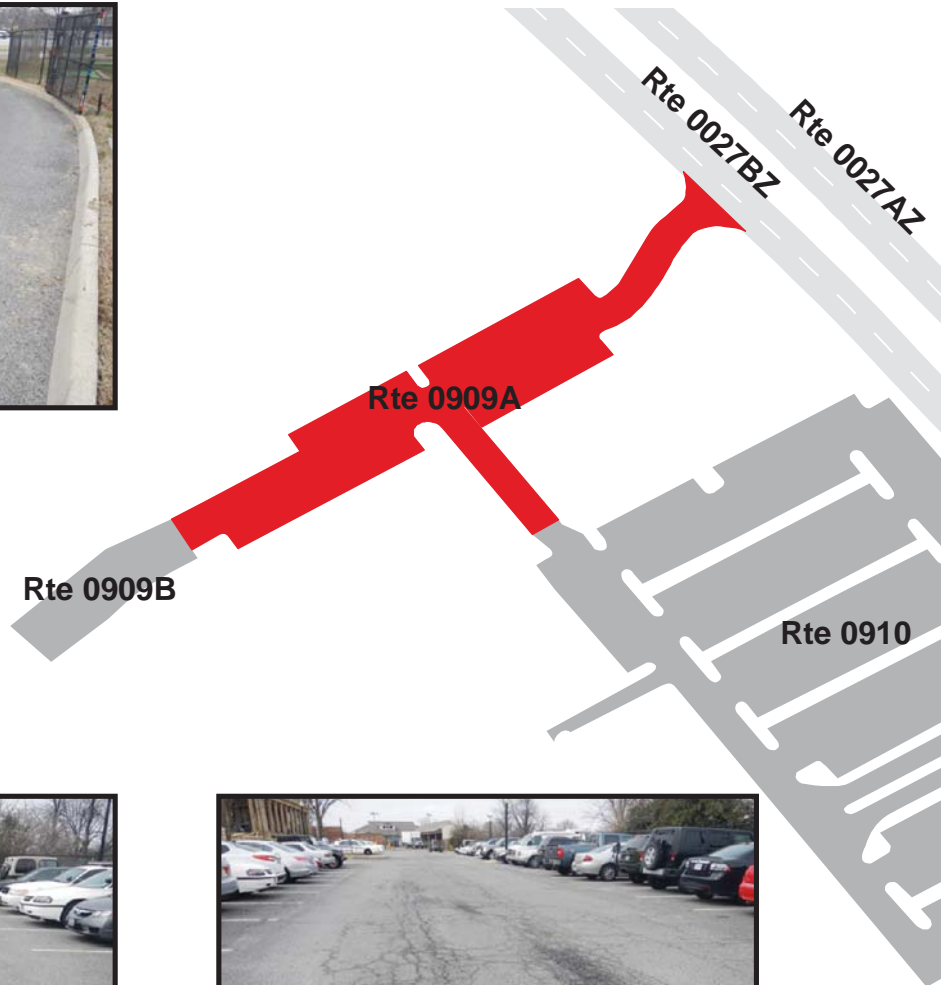
## Route 0909A

### PARK POLICE ACCESS A

FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)  
TO ROUTE 0909B (PARK POLICE ACCESS B)

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0909A	NONPUBLIC	3/11/2013	24,720	0.43	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	6	4	NO CURB AND GUTTER	CONCRETE CURB	POOR/45

\* Lane miles are based on 11' lane widths



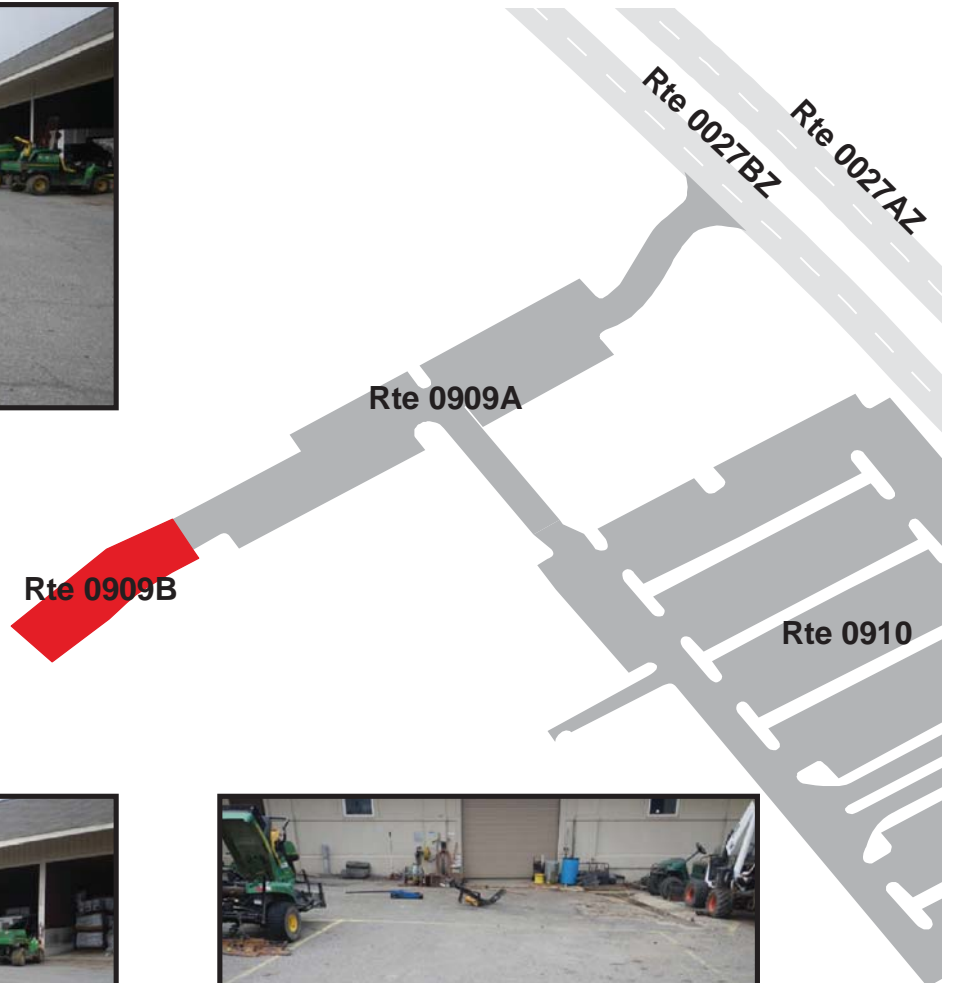
# NATIONAL MALL AND MEMORIAL PARKS

## Route 0909B

PARK POLICE ACCESS B  
FROM ROUTE 0909A (PARK POLICE ACCESS A)  
TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0909B	NONPUBLIC	3/11/2013	5,778	0.10	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	1	0	NO CURB AND GUTTER	NO CURB	POOR/45

\* Lane miles are based on 11' lane widths



# NATIONAL MALL AND MEMORIAL PARKS

## Route 0939A

EAST POTOMAC PARK MAINTENANCE YARD

FROM ROUTE 0013 (BUCKEYE DRIVE SW)

TO ROUTE 0939BZZ (EAST POTOMAC PARK TOURMOBILE PARKING)

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0939A	NONPUBLIC	3/11/2013	80,839	1.39	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	9	7	CONCRETE CURB AND GUTTER	CONCRETE CURB	FAIR/73

\* Lane miles are based on 11' lane widths



# NATIONAL MALL AND MEMORIAL PARKS

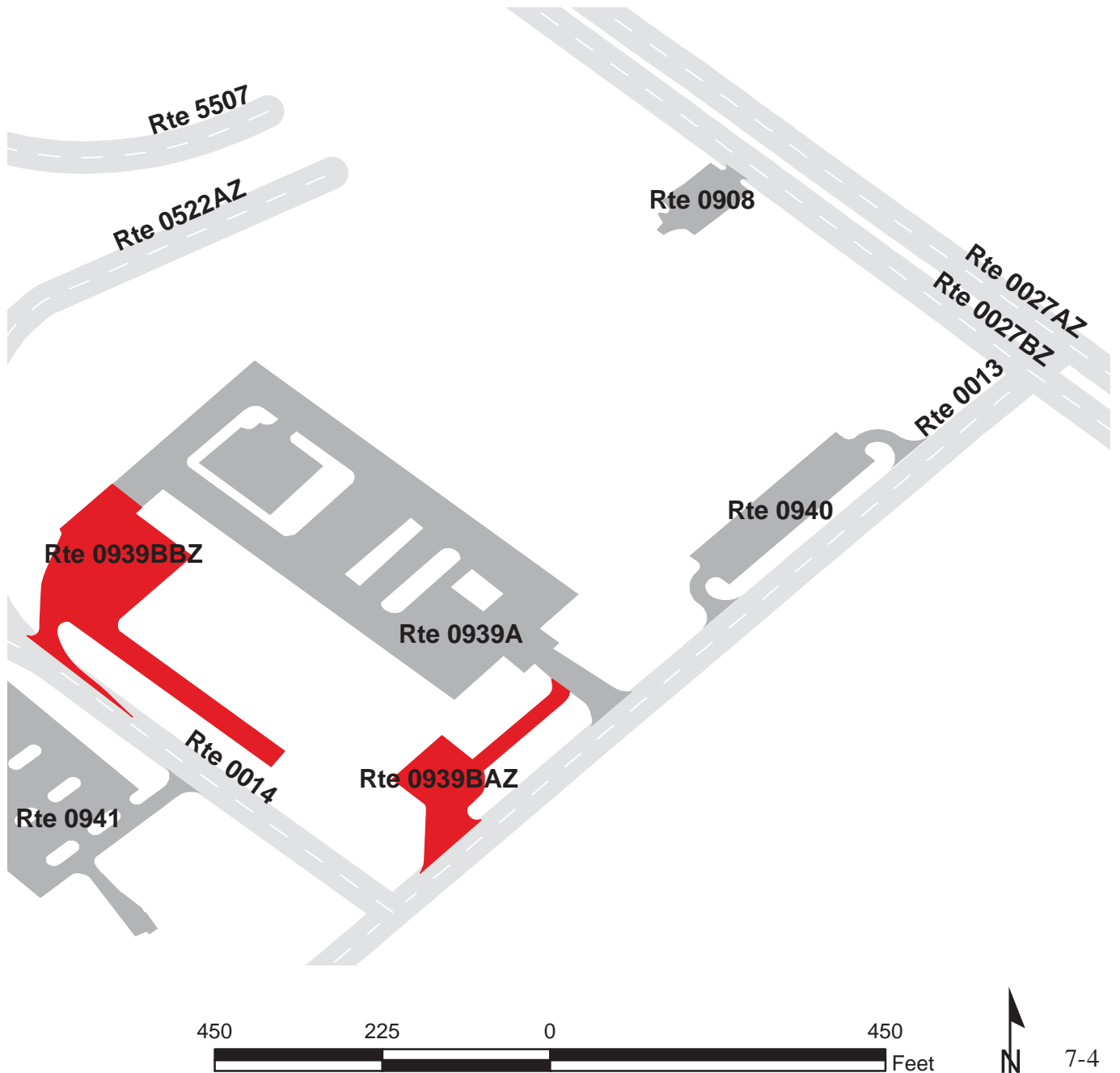
## Route 0939BZZ

EAST POTOMAC PARK TOURMOBILE PARKING  
 FROM ROUTES 0013 (BUCKEYE DRIVE SW) AND 0014 ()  
 TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)

Summary Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0939BZZ	NONPUBLIC	3/11/2013	37,040	0.64	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	4	0	CONCRETE CURB AND GUTTER	CONCRETE CURB	SUMMARY/65

\* Lane miles are based on 11' lane widths



# NATIONAL MALL AND MEMORIAL PARKS

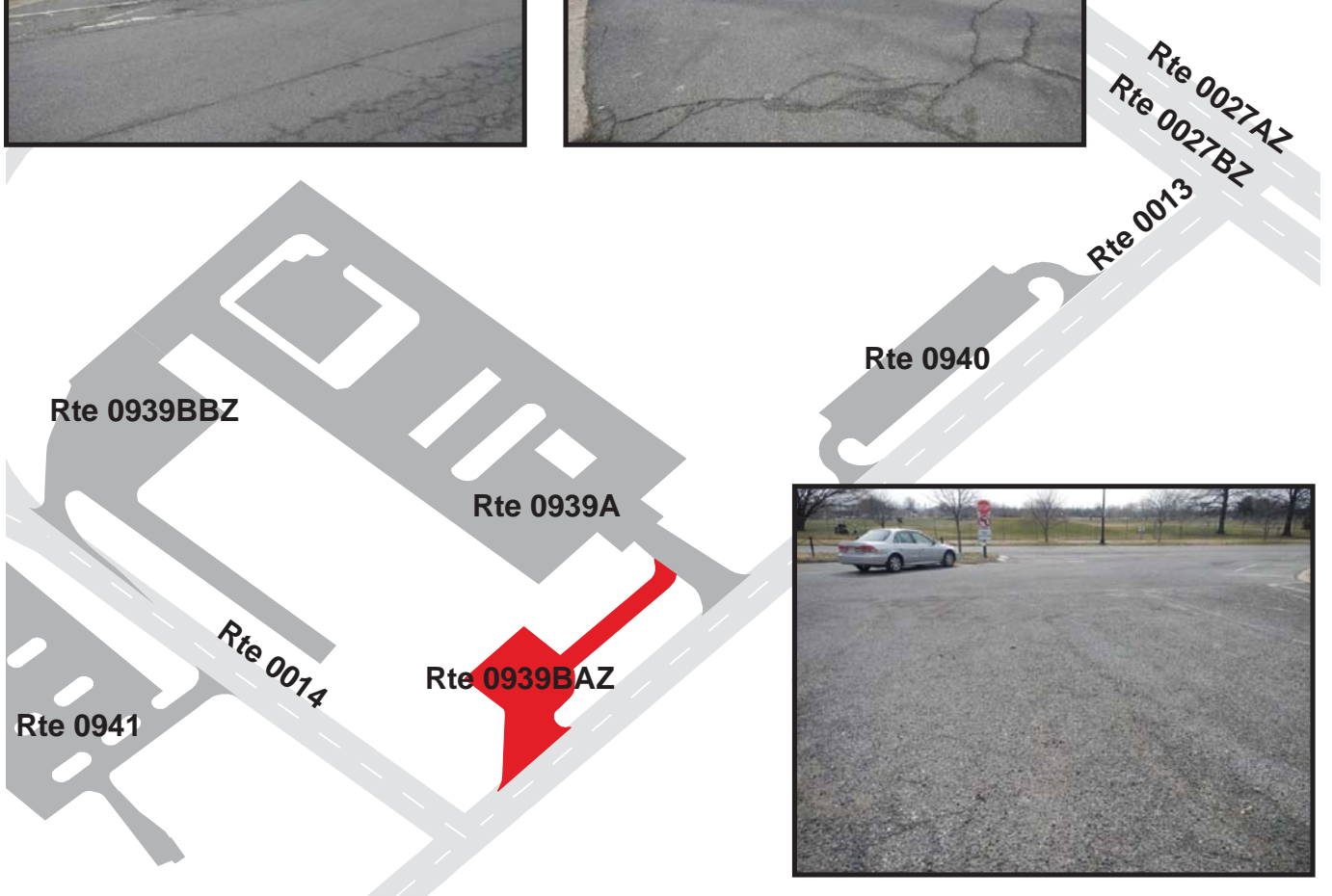
## Route 0939BAZ

EAST POTOMAC PARK TOURMOBILE PARKING - FRONT  
 FROM ROUTE 0013 (BUCKEYE DRIVE SW)  
 TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0939BAZ	NONPUBLIC	3/11/2013	10,927	0.19	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	1	0	CONCRETE CURB AND GUTTER	NO CURB	POOR/45

\* Lane miles are based on 11' lane widths



# NATIONAL MALL AND MEMORIAL PARKS

## Route 0939BBZ

EAST POTOMAC PARK TOURMOBILE PARKING - BACK  
 FROM ROUTE 0014 (NAMA - MAIN STREET)  
 TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0939BBZ	NONPUBLIC	3/11/2013	26,113	0.45	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	3	0	CONCRETE CURB AND GUTTER	CONCRETE CURB	FAIR/73

\* Lane miles are based on 11' lane widths



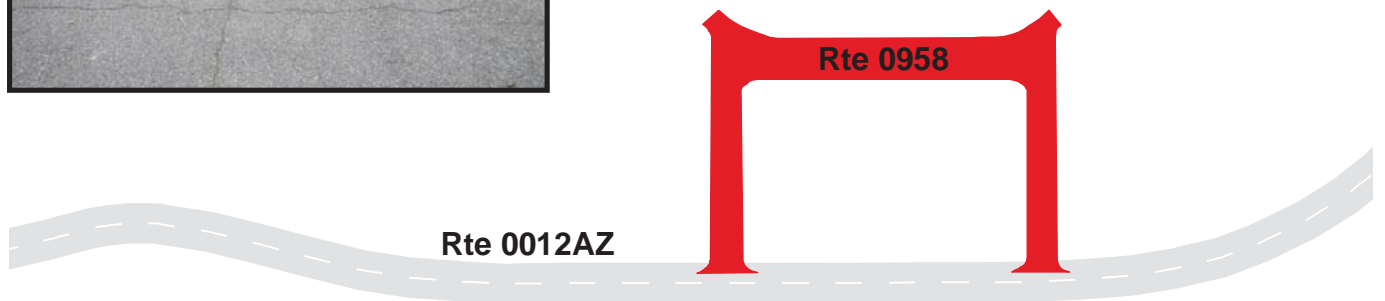
# NATIONAL MALL AND MEMORIAL PARKS

## Route 0958

JEFFERSON MEMORIAL CLOSED PARKING LOT  
 FROM ROUTE 0012ZZ (EAST BASIN DRIVE SW)  
 TO ROUTE 0012ZZ (EAST BASIN DRIVE SW)

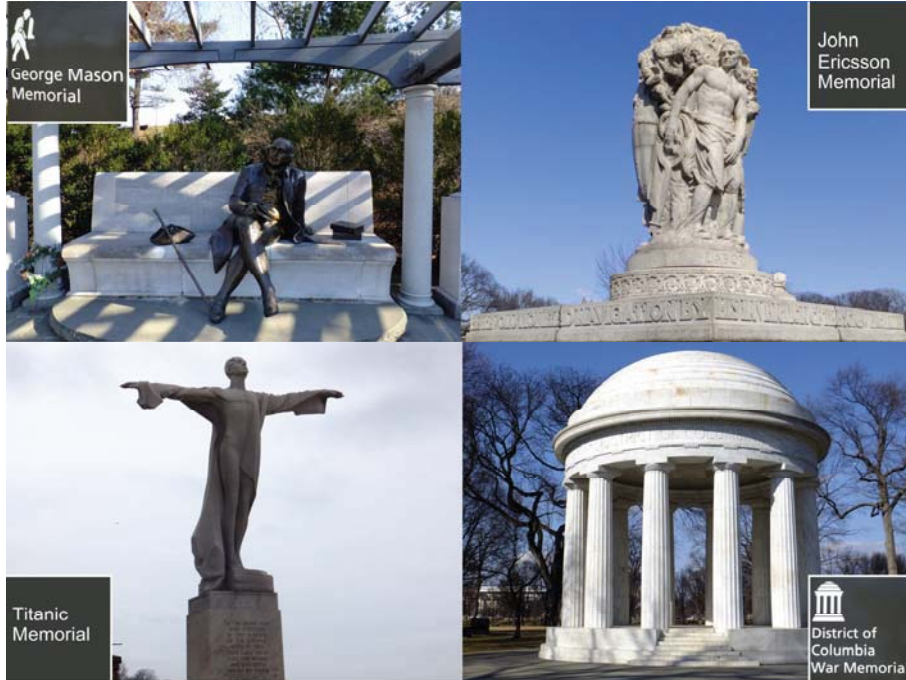
Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0958	NONPUBLIC	3/11/2013	36,557	0.63	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	4	4	NO CURB AND GUTTER	STONE CURB	FAIR/73

\* Lane miles are based on 11' lane widths



# Section 8

## Route Maintenance Features Summaries



## National Mall and Memorial Parks



Federal Lands Highway  
Road Inventory Program



# NAMA: DCV ROUTE MAINTENANCE FEATURES SUMMARY

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all new or re-aligned DCV driven routes.

FEATURE	ROUTE 0506 WEST BASIN DRIVE SW	ROUTE 0522ZZ NORTHBOUND I-395 ON/OFF RAMPS AT NCR HEADQUARTERS	UNIT
BRIDGE	0	0	EACH
CATTLE GUARD	0	0	EACH
CULVERT	0	0	EACH
CURB	2,219	1,943	LINEAR FEET
DROP INLET	22	2	EACH
GATE	0	0	EACH
GUARD/GUIDE RAIL	0	0	LINEAR FEET
CABLE	0	0	LINEAR FEET
NON-CABLE	0	0	LINEAR FEET
GUARD/GUIDE WALL	121	0	LINEAR FEET
BOLLARD	121	0	LINEAR FEET
TEMPORARY BARRIER	0	0	LINEAR FEET
NON TEMP/BOLLARD	0	0	LINEAR FEET
INTERSECTION	7	7	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	0	0	EACH
PULLOUT	0	0	LINEAR FEET
RAILROAD CROSSING	0	0	EACH
RETAINING WALL	0	0	EACH
RETAINING WALL	0	0	LINEAR FEET
SIGN	68	14	EACH
STATE BOUNDARY	0	0	EACH
TRAFFIC LIGHT	8	0	EACH
TUNNEL	0	0	EACH
TUNNEL	0	0	LINEAR FEET

## **STRUCTURE LIST**

This park is classified as a large park. Therefore, in Cycle 5, BIP-Structures were inventoried only if they were located along routes that were modified or previously uncollected by RIP, so this report does not provide an all-inclusive listing of all BIP-Structures in the park.

# Section 9

## Route Maintenance Features

### Road Logs



National Mall and Memorial Parks



Federal Lands Highway  
Road Inventory Program

# NAMA: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0011DZ: OHIO DRIVE SW (SB LANE SEPARATION AT POTOMAC RIVER FREEWAY)

**Notice:** Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all new or re-aligned DCV driven routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.000	0.000	INTERSECTION	N/A	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.000	0.097	CURB-AND-GUTTER	RIGHT	N/A
0.000	0.103	ONE-WAY	N/A	N/A
0.000	0.000	DROP INLET	RIGHT	N/A
0.006	0.062	CURB-AND-GUTTER	N/A	N/A
0.008	0.008	SIGN	N/A	REGULATORY, GRAPHIC SIGN NO TEXT
0.008	0.008	SIGN	N/A	REGULATORY, GRAPHIC SIGN NO TEXT
0.037	0.037	SIGN	RIGHT	REGULATORY, NO STOPPING OR STANDING
0.074	0.074	SIGN	N/A	REGULATORY, DO NOT ENTER
0.090	0.090	SIGN	N/A	REGULATORY, GRAPHIC SIGN NO TEXT
0.090	0.090	SIGN	N/A	REGULATORY, GRAPHIC SIGN NO TEXT
0.103	0.103	INTERSECTION	N/A	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.103	0.103	SIGN	RIGHT	WARNING, 13' - 1"
0.103	0.103	INTERSECTION	RIGHT	UNPAVED ROUTE
0.103	0.103	ROUTE END	N/A	TO ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))

# NAMA: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0011EZ: OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE)

**Notice:** Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all new or re-aligned DCV driven routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.000	0.000	INTERSECTION	N/A	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.000	0.044	CURB	RIGHT	N/A
0.000	0.098	ONE-WAY	N/A	N/A
0.024	0.024	DROP INLET	RIGHT	N/A
0.024	0.024	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.024	0.024	SIGN	RIGHT	REGULATORY, NO STOPPING OR STANDING
0.029	0.080	CURB	N/A	N/A
0.030	0.030	SIGN	N/A	REGULATORY, GRAPHIC SIGN NO TEXT
0.037	0.037	DROP INLET	LEFT	N/A
0.040	0.040	INTERSECTION	RIGHT	ROUTE 0011CZ (OHIO DRIVE SW (SB CONNECTOR AROUND ERICSSON MEMORIAL TO WEST POTOMAC PARK))
0.042	0.042	DROP INLET	RIGHT	N/A
0.044	0.086	CURB	N/A	N/A
0.050	0.050	SIGN	N/A	GUIDE, OHIO DRIVE
0.087	0.087	SIGN	RIGHT	GUIDE, PARKING
0.090	0.090	INTERSECTION	LEFT	ROUTE 0023AZ (23RD STREET SW (SOUTHBOUND))
0.090	0.090	INTERSECTION	RIGHT	ROUTE 0520 (JOHN ERICSSON MEMORIAL LOOP)
0.091	0.094	CURB	RIGHT	N/A
0.093	0.093	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.093	0.093	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.096	0.096	INTERSECTION	LEFT	ROUTE 0023BZ (23RD STREET SW (NORTHBOUND))
0.097	0.097	INTERSECTION	RIGHT	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.098	0.098	TRAFFIC LIGHT	LEFT	X2
0.098	0.098	TRAFFIC LIGHT	RIGHT	X3
0.098	0.098	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
0.098	0.098	TRAFFIC LIGHT	LEFT	X3

## NAMA: ROUTE MAINTENANCE FEATURES ROAD LOG

### ROUTE 0011EZ: OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE)

**Notice:** Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all new or re-aligned DCV driven routes.

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.098	0.098	TRAFFIC LIGHT	RIGHT	X3
0.098	0.098	TRAFFIC LIGHT	LEFT	X3
0.098	0.098	SIGN	RIGHT	GUIDE, SW OHIO DR
0.098	0.098	SIGN	RIGHT	GUIDE, SW INDEPENDENCE DR
0.098	0.098	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.098	0.098	INTERSECTION	N/A	ROUTE 0502 (INDEPENDENCE AVENUE SW (EASTBOUND))
0.098	0.098	ROUTE END	N/A	TO INTERSECTION OF ROUTES 0502 (INDEPENDENCE AVENUE SW (EASTBOUND)) AND 0520 (JOHN ERICSSON MEMORIAL LOOP)

## NAMA: ROUTE MAINTENANCE FEATURES ROAD LOG

### ROUTE 0012BBZ: EAST BASIN DRIVE SW (EASTBOUND SPUR TO MAINE AVENUE EASTBOUND)

**Notice:** Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all new or re-aligned DCV driven routes.

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0012BZ (EAST BASIN DRIVE SW (EASTBOUND))
0.000	0.027	ONE-WAY	N/A	N/A
0.000	0.000	INTERSECTION	LEFT	ROUTE 0012BZ (EAST BASIN DRIVE SW (EASTBOUND))
0.000	0.000	INTERSECTION	N/A	ROUTE 0012BZ (EAST BASIN DRIVE SW (EASTBOUND))
0.000	0.027	CURB	RIGHT	N/A
0.006	0.027	CURB	LEFT	N/A
0.006	0.006	SIGN	LEFT	GUIDE, 17TH STREET R. WALLENBERG PL. NORTH INTERSTATE 395
0.022	0.022	SIGN	RIGHT	REGULATORY, STOP
0.027	0.027	INTERSECTION	LEFT	ROUTE 0504 (MAINE AVENUE SW (EASTBOUND))
0.027	0.027	INTERSECTION	RIGHT	ROUTE 0504 (MAINE AVENUE SW (EASTBOUND))
0.027	0.027	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
0.027	0.027	SIGN	LEFT	REGULATORY, STOP
0.027	0.027	ROUTE END	N/A	TO ROUTE 0504 (MAINE AVENUE SW (EASTBOUND))

# NAMA: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0506: WEST BASIN DRIVE SW

**Notice:** Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all new or re-aligned DCV driven routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011ZZ (OHIO DRIVE SW)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.000	0.000	SIGN	N/A	GUIDE, UNABLE TO READ FROM VIDEO
0.000	0.251	ONE-WAY	N/A	N/A
0.005	0.015	CURB	RIGHT	N/A
0.005	0.051	CURB	LEFT	N/A
0.007	0.007	DROP INLET	RIGHT	N/A
0.007	0.007	DROP INLET	LEFT	N/A
0.008	0.008	DROP INLET	LEFT	N/A
0.008	0.008	DROP INLET	RIGHT	N/A
0.009	0.009	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.015	0.015	SIGN	RIGHT	REGULATORY, NO STOPPING ANY TIME
0.028	0.028	INTERSECTION	RIGHT	ROUTE 0946 (FDR MEMORIAL HANDICAPPED PARKING)
0.030	0.030	SIGN	LEFT	REGULATORY, ONE WAY
0.030	0.030	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.030	0.030	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.040	0.054	CURB	RIGHT	N/A
0.044	0.044	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.044	0.044	SIGN	LEFT	REGULATORY, NO STOPPING OR STANDING
0.044	0.044	SIGN	LEFT	REGULATORY, NO PARKING
0.053	0.053	SIGN	RIGHT	REGULATORY, NO STOPPING OR STANDING
0.053	0.171	CURB	LEFT	N/A
0.056	0.059	CURB	RIGHT	N/A
0.063	0.063	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.063	0.063	SIGN	RIGHT	REGULATORY, NO STANDING ANY TIME
0.064	0.090	CURB	RIGHT	N/A
0.065	0.065	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.065	0.088	GUARD/GUIDE WALL	RIGHT	N/A



# NAMA: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0506: WEST BASIN DRIVE SW

**Notice:** Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all new or re-aligned DCV driven routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.076	0.076	SIGN	RIGHT	REGULATORY, NO STOPPING ANY TIME
0.076	0.076	SIGN	RIGHT	REGULATORY, ONE WAY
0.078	0.078	DROP INLET	LEFT	N/A
0.079	0.079	DROP INLET	LEFT	N/A
0.089	0.089	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.089	0.089	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.090	0.090	SIGN	RIGHT	REGULATORY, NO STOPPING ANY TIME
0.090	0.090	SIGN	RIGHT	REGULATORY, NO STANDING ANY TIME
0.095	0.096	CURB	RIGHT	N/A
0.098	0.179	CURB	RIGHT	N/A
0.099	0.099	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.099	0.099	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.102	0.102	SIGN	RIGHT	REGULATORY, NO PARKING
0.102	0.102	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.102	0.102	SIGN	RIGHT	REGULATORY, NO PARKING
0.105	0.105	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.105	0.105	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.105	0.105	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.114	0.114	DROP INLET	RIGHT	N/A
0.114	0.114	DROP INLET	LEFT	N/A
0.115	0.115	DROP INLET	LEFT	N/A
0.115	0.115	DROP INLET	RIGHT	N/A
0.115	0.115	SIGN	RIGHT	REGULATORY, NO STANDING
0.115	0.115	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.115	0.115	SIGN	RIGHT	REGULATORY, NO PARKING
0.125	0.125	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.125	0.125	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
0.125	0.125	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.127	0.127	DROP INLET	LEFT	N/A
0.127	0.127	DROP INLET	RIGHT	N/A

# NAMA: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0506: WEST BASIN DRIVE SW

**Notice:** Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all new or re-aligned DCV driven routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.128	0.128	DROP INLET	RIGHT	N/A
0.128	0.128	DROP INLET	LEFT	N/A
0.140	0.140	SIGN	RIGHT	GUIDE, STOP
0.140	0.140	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.140	0.140	SIGN	RIGHT	REGULATORY, NO STANDING
0.155	0.155	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.155	0.155	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.155	0.155	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
0.167	0.167	DROP INLET	LEFT	N/A
0.167	0.167	DROP INLET	RIGHT	N/A
0.168	0.168	DROP INLET	LEFT	N/A
0.168	0.168	DROP INLET	RIGHT	N/A
0.170	0.170	SIGN	RIGHT	REGULATORY, 3 HOUR RESERVED PARKING
0.170	0.170	SIGN	RIGHT	REGULATORY, NO STANDING
0.170	0.170	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.170	0.170	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.170	0.170	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.170	0.170	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.175	0.204	CURB	LEFT	N/A
0.177	0.177	SIGN	LEFT	REGULATORY, NO STANDING ANY TIME
0.177	0.177	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
0.180	0.186	CURB	RIGHT	N/A
0.183	0.183	SIGN	RIGHT	REGULATORY, RESERVED PARKING
0.183	0.183	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.190	0.205	CURB	RIGHT	N/A
0.197	0.197	SIGN	RIGHT	REGULATORY, NO PARKING
0.197	0.197	SIGN	RIGHT	REGULATORY, RESERVED PARKING
0.197	0.197	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN NO TEXT
0.204	0.204	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.204	0.204	SIGN	RIGHT	REGULATORY, NO PARKING

# NAMA: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0506: WEST BASIN DRIVE SW

**Notice:** Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all new or re-aligned DCV driven routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.204	0.204	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.204	0.204	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.204	0.204	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.206	0.234	CURB	LEFT	N/A
0.207	0.231	CURB	RIGHT	N/A
0.213	0.213	DROP INLET	LEFT	N/A
0.213	0.213	DROP INLET	RIGHT	N/A
0.214	0.214	DROP INLET	LEFT	N/A
0.214	0.214	DROP INLET	RIGHT	N/A
0.220	0.220	SIGN	LEFT	GUIDE, INTERSTATE 66 INTERSTATE 395
0.220	0.220	SIGN	RIGHT	REGULATORY, ONLY ONLY
0.228	0.228	SIGN	RIGHT	GUIDE, WEST BASIN DR
0.229	0.229	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.230	0.230	TRAFFIC LIGHT	RIGHT	X3
0.230	0.230	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.233	0.233	TRAFFIC LIGHT	LEFT	X2
0.237	0.237	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.238	0.238	INTERSECTION	LEFT	ROUTE 0502 (INDEPENDENCE AVENUE SW (EASTBOUND))
0.238	0.238	INTERSECTION	RIGHT	ROUTE 0502 (INDEPENDENCE AVENUE SW (EASTBOUND))
0.239	0.248	CURB	LEFT	N/A
0.240	0.250	CURB	RIGHT	N/A
0.242	0.242	TRAFFIC LIGHT	LEFT	X2
0.242	0.242	TRAFFIC LIGHT	RIGHT	X2
0.242	0.242	SIGN	RIGHT	REGULATORY, ONE WAY
0.242	0.242	TRAFFIC LIGHT	RIGHT	X2
0.250	0.250	SIGN	RIGHT	REGULATORY, ONE WAY
0.250	0.250	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.250	0.250	TRAFFIC LIGHT	RIGHT	X2
0.251	0.251	INTERSECTION	LEFT	ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))
0.251	0.251	SIGN	N/A	GUIDE, SW INDEPENDENCE 1900

# NAMA: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0506: WEST BASIN DRIVE SW

**Notice:** Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all new or re-aligned DCV driven routes.

<b>FROM MILEPOST</b>	<b>TO MILEPOST</b>	<b>FEATURE</b>	<b>SIDE</b>	<b>COMMENT</b>
0.251	0.251	TRAFFIC LIGHT	N/A	X2
0.251	0.251	TRAFFIC LIGHT	N/A	X2
0.251	0.251	SIGN	N/A	REGULATORY, ONE WAY
0.251	0.251	INTERSECTION	RIGHT	ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))
0.251	0.251	ROUTE END	N/A	TO ROUTE 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))

# NAMA: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0522AZ: NORTHBOUND I-395 RAMP FROM NCR HEADQUARTERS

**Notice:** Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all new or re-aligned DCV driven routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM END OF ROUTE 0014 (NAMA - MAIN STREET)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0522BZ (NORTHBOUND I-395 RAMP TO NCR HEADQUARTERS)
0.000	0.000	INTERSECTION	N/A	ROUTE 0014 (NAMA - MAIN STREET)
0.000	0.000	SIGN	LEFT	GUIDE, HAINS POINT GOLF & TENNIS U.S. PARK POLICE SUBSTATION NEXT LEFT
0.000	0.102	ONE-WAY	N/A	N/A
0.004	0.037	CURB-AND-GUTTER	RIGHT	N/A
0.013	0.034	CURB-AND-GUTTER	LEFT	N/A
0.014	0.014	SIGN	LEFT	REGULATORY, GRAPHIC SIGN NO TEXT
0.034	0.102	CURB	LEFT	N/A
0.035	0.035	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.037	0.102	CURB	RIGHT	N/A
0.038	0.038	INTERSECTION	RIGHT	ROUTE 0522BZ (NORTHBOUND I-395 RAMP TO NCR HEADQUARTERS)
0.095	0.095	SIGN	LEFT	WARNING, GRAPHIC SIGN NO TEXT
0.102	0.102	INTERSECTION	N/A	PAVED ROUTE (RAMP TO I-395 NORTHBOUND / NON NPS)
0.102	0.102	ROUTE END	N/A	TO INTERSTATE 395 (NORTHBOUND)

# NAMA: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0522BZ: NORTHBOUND I-395 RAMP TO NCR HEADQUARTERS

**Notice:** Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 5 on all new or re-aligned DCV driven routes.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM INTERSTATE 395 (NORTHBOUND)
0.000	0.000	INTERSECTION	N/A	PAVED ROUTE (RAMP FROM I-395 NORTHBOUND / NON NPS)
0.000	0.019	CURB	RIGHT	N/A
0.000	0.097	ONE-WAY	N/A	N/A
0.005	0.089	CURB-AND-GUTTER	LEFT	N/A
0.008	0.008	SIGN	LEFT	GUIDE, EXIT 2
0.016	0.016	SIGN	RIGHT	GUIDE, WELCOME TO EAST POTOMAC PARK
0.019	0.097	CURB-AND-GUTTER	RIGHT	N/A
0.025	0.025	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
0.047	0.047	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.047	0.047	SIGN	RIGHT	REGULATORY, WRONG WAY
0.050	0.050	DROP INLET	RIGHT	N/A
0.066	0.066	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.066	0.066	SIGN	RIGHT	GUIDE, NATIONAL PARK SERVICE PARK INFORMATION 1670 AM NATIONAL MAIL & MEMORIAL PARKS
0.066	0.066	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.070	0.070	DROP INLET	LEFT	N/A
0.081	0.081	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.097	0.097	SIGN	RIGHT	WARNING, GRAPHIC SIGN NO TEXT
0.097	0.097	INTERSECTION	LEFT	ROUTE 0522AZ (NORTHBOUND I-395 RAMP FROM NCR HEADQUARTERS)
0.097	0.097	INTERSECTION	N/A	ROUTE 0014 (NAMA - MAIN STREET)
0.097	0.097	ROUTE END	N/A	TO END OF ROUTE 0014 (NAMA - MAIN STREET)

# Section 10 Appendix



National Mall and Memorial Parks



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.



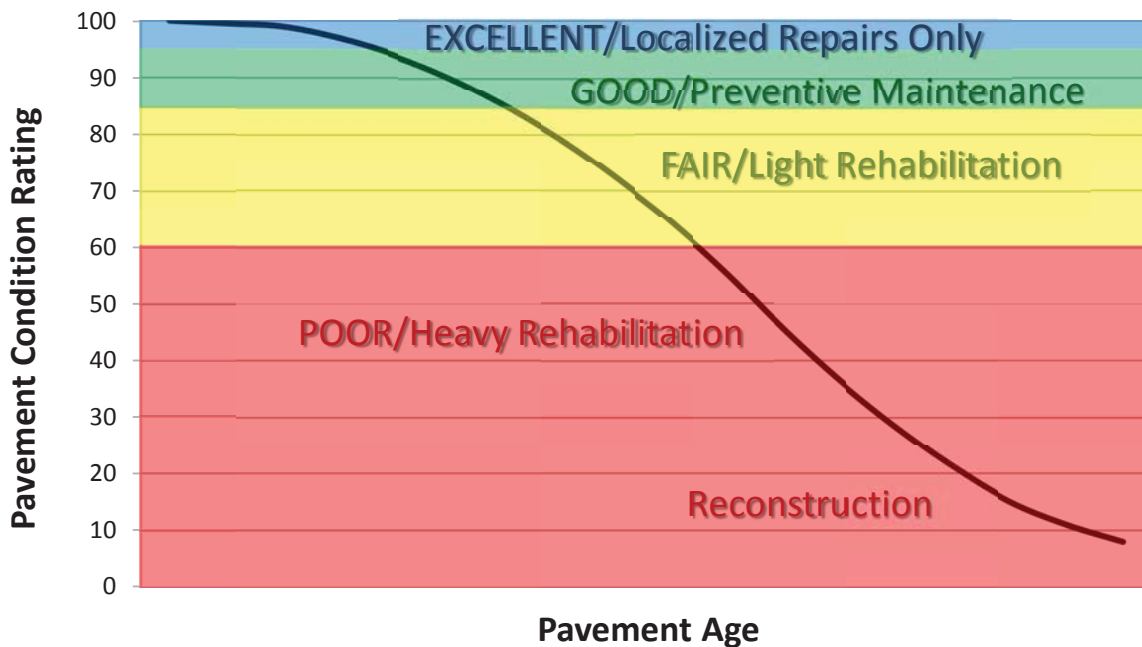
# Explanation of the Excellent, Good, Fair and Poor Condition Descriptions

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**

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

**\*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  $\leq 0.25$  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  $\leq 0.75$  in. (19 mm) or any crack with a mean width  $\leq 19$  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  $\leq 0.75$  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**

<b>ALLIGATOR CRACKING SEVERITY LEVELS</b>		<b>Crack Pattern</b>		
		<b>LOW</b>	<b>MED</b>	<b>HIGH</b>
<b>Crack Width</b>	<b>LOW</b>	L	M	H
	<b>MED</b>	M	M	H
	<b>HI</b>	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  $\leq 0.75$  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  $\leq 0.75$  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**

<b>IRI Descriptions</b>	
<b>Type of Road</b>	<b>Typical IRI ( in/mile )</b>
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  $\geq 0$  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  $\geq 0$ .

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.

<b>CAMERA SPECIFICATIONS</b>	
<b>Two Forward/ One Rear Facing</b>	
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.

<b>CAMERA SPECIFICATIONS</b>	
<b>Pavement Line Scan</b>	
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.

<b>IRI SPECIFICATIONS</b>	
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.

<b>RUTTING SPECIFICATIONS</b>	
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.

<b>GPS SPECIFICATIONS</b>	
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**

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