NAMA
Cycle 6

Final Report

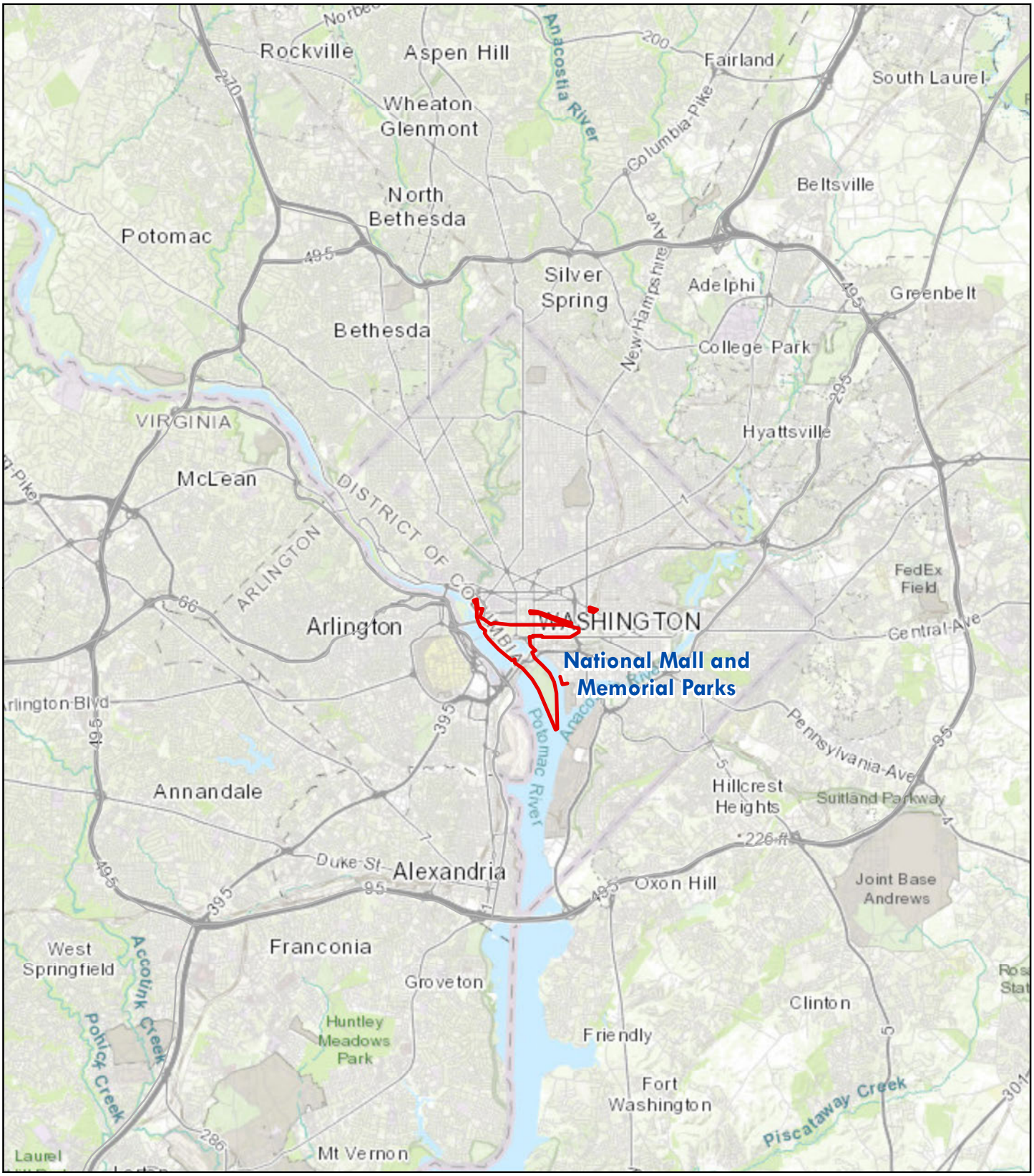
Road Inventory and Condition Assessment of Paved Routes
National Mall and Memorial Parks

Federal Lands Highway
Road Inventory Program

Prepared By:
Federal Highway Administration
Eastern Federal Lands Highway Division
Road Inventory Program (RIP)

Report Date: October 2019

National Mall and Memorial Parks
in
Washington, DC



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Introduction

The Federal Highway Administration's (FHWA), Road Inventory Program (RIP) inventories all roads and parking areas in the National Park System, and performs condition inspections on all paved roads and parking areas for the National Park Service (NPS). This report contains the results of the Cycle 6 condition assessment of paved roads and parking lots for this park unit. This assessment was done using an automated, state-of-the-art pavement inspection vehicle as well as manual ratings. This information represents the condition of the paved assets at the time of the inspection. The pavement management system utilized by FHWA and the NPS uses these assessments to estimate future conditions and help prioritize pavement maintenance and rehabilitation projects. Further information about RIP data and its role in managing paved roads and bridges can be obtained by contacting the NPS Regional Transportation Program Manager.

A History of the Road Inventory Program:

The FHWA, in the mid-1970s, was charged with the task of identifying surface condition deficiencies and corrective priorities on 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 a Memorandum of Agreement (MOA) which established the RIP. This MOA was revised in 1980 to update RIP data collection standards and develop a long-range program to improve and maintain NPS roads to designated condition standards and establish a pavement management program.

The FHWA completed the initial phase of inventory in the early 1980s. As a result of this effort, each NPS unit included in the collection received a RIP Report known as the "Brown Book" which contained information that was inventoried during this first RIP phase. In the 1990s, a cyclical program was developed, and since then five cycles of collection have been completed. Cycle 6 is currently in progress. A summary of the RIP collection cycles is shown in the table below.

Cycle	Years	Parks Collected
Cycle 1	1994 - 1997	° 44 Large Parks
Cycle 2	1997 - 2001	° 79 Large Parks ° 5 Small Parks
Cycle 3	2001 - 2004	° All Large Parks ° All Small Parks
Cycle 4	2006 - 2010	° 86 Large Parks ° Several Small Parks
Cycle 5	2010 - 2014	° All Large Parks (Only functional class 1, 2, 7, and new/modified routes collected) ° All Small Parks (all roads and parking areas collected)
Cycle 6	2014 – 2020 (±)	° All roads and parking areas collected at all Parks ° Additional partial collections of functional class 1, 2, and 7 roads at Large Parks ° Cycle 6 is expected to last 6 years

Note: Large Parks have ≥ 10 Paved Miles; Small Parks have < 10 Paved Miles

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 Federal Lands Highway (FLH) is under the NPS Washington Headquarters Park Facility Management Division. The FLH Washington office coordinates policy and prepares national reports and needs assessment studies for Congress.

In 1998, the Transportation Equity Act for the 21st Century (TEA-21) amended Title 23 U.S.C., and inserted Section 204(a)(6) requiring the FHWA and NPS, to develop by rule, a Pavement Management System (PMS) applied to park roads and parkways serving the National Park System.

In 2012, the Moving Ahead for Progress in the 21st Century Act (MAP-21) amended Title 23 U.S.C., and under Section 203(c)(1-2) stated that the National Park Service in cooperation with the DOT/FHWA, shall maintain a comprehensive national inventory of their transportation facilities, with the goal of quantifying transportation infrastructure needs within the National Park System.

A History of the Pavement Management System:

In 2005, the FHWA began implementing the use of a pavement management system to assist the NPS in prioritizing Pavement Maintenance and Rehabilitation activities. The system used by FHWA is the Highway Pavement Management Application (HPMA), which 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. Regional prioritized lists and optimizations have been produced for most regions, and the Service's overall roadway Deferred Maintenance is calculated via the HPMA.

Overview of Cycle 6:

Cycle 6 launched in the spring of 2014 and will again comprise all NPS park units that are served by paved roads and/or parking areas. For Cycle 6, all paved roads (approximately 5,700 miles) and parking areas will be collected in all parks at least once, while the primary routes (functional class 1, 2, and 7 roads) at Large Parks will have additional collections. These multiple collections will provide updated condition data on a majority of the NPS's primary road network and help build a better pavement management system, allowing for more accurate pavement performance prediction models.

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

Respectfully,

FHWA RIP Team

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Section 2
Park Route Inventory

National Mall and Memorial Parks

Federal Lands Highway
Road Inventory Program

Report Date: 10/24/2019

Cycle 6 NPS / RIP Route ID Report

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

White = Paved Routes, DCV Driven | Grey = Paved Routes, DCV not Driven | Black = Non-NPS Routes | = Concession Route

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NAMA *National Mall and Memorial Parks*

ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0010	6	2	49680		CONSTITUTION AVENUE NW	FROM ROUTE 0021ZZ (15TH STREET NW AND SW) AT PARK BOUNDARY	TO ROUTE 0018ZZ (23RD STREET NW) AT PARK BOUNDARY		YES	0.88	0.00	0.88	1		AS	1,2
0011ZZ	6	2	19161		OHIO DRIVE SW	FROM ROUTE 0013 (BUCKEYE DRIVE SW) AND ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO ROUTE 0016ZZ (ROCK CREEK AND POTOMAC PARKWAY)		YES	2.05	0.00	2.05	1		AS	1,4
0012ZZ	6	2	19162		EAST BASIN DRIVE SW	FROM ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))	TO ROUTE 0011ZZ (OHIO DRIVE SW)		YES	0.76	0.00	0.76	1		AS	4
0013	6	2	19163		BUCKEYE DRIVE SW	FROM INTERSECTION OF ROUTE 0011ZZ (OHIO DRIVE SW) AND ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)		YES	0.34	0.00	0.34	1		AS	4
0014	6	2	19164		NAMA - MAIN STREET	FROM ROUTE 0013 (BUCKEYE DRIVE SW)	TO ROUTE 0522ZZ (NORTHBOUND I-395 ON/OFF RAMPS AT NCR HEADQUARTERS)		YES	0.09	0.00	0.09	1		AS	4
0016ZZ	6	2	19166		ROCK CREEK AND POTOMAC PARKWAY	FROM INTERSECTION OF ROCK CREEK PARKWAY AND VIRGINIA AVENUE AT PARK BOUNDARY	TO ROUTE 0011ZZ (OHIO DRIVE SW) AND ROUTE 0017ZZ (PARKWAY DRIVE NW AND SPURS)		YES	1.21	0.00	1.21	1		AS	1
0017ZZ	6	2	19167		PARKWAY DRIVE NW AND SPURS	FROM ROUTE 0016ZZ (ROCK CREEK AND POTOMAC PARKWAY)	TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)		YES	0.39	0.00	0.39	1		AS	1
0018ZZ	6	2	19168		23RD STREET NW	FROM ROUTE 0010 (CONSTITUTION AVENUE NW) AT PARK BOUNDARY	TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)		YES	0.22	0.00	0.22	1		AS	1
0019	6	2	19169		HENRY BACON DRIVE NW	FROM ROUTE 0010 (CONSTITUTION AVENUE NW)	TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)		YES	0.15	0.00	0.15	1		AS	1

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Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0020ZZ	6	2	19170		17TH STREET NW AND SW	FROM ROUTE 0010 (CONSTITUTION AVENUE NW)	TO ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))		YES	0.35	0.00	0.35	1		AS	2
0021ZZ	6	2	19171		15TH STREET NW AND SW	FROM ROUTE 0010 (CONSTITUTION AVENUE NW) AT PARK BOUNDARY	TO ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))		YES	0.55	0.00	0.55	1		AS	2
0022	6	2	49698		12TH STREET SW	FROM INDEPENDENCE AVENUE SW AT PARK BOUNDARY	TO ROUTE 0501 (JEFFERSON DRIVE SW)		YES	0.07	0.00	0.07	1		AS	3
0023ZZ	6	2	19172		23RD STREET SW	FROM ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)	TO INTERSECTION OF ROUTE 0011ZZ (OHIO DRIVE SW) AND ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))		YES	0.13	0.00	0.13	1		AS	1
0025ZZ	6	2	19174		LINCOLN MEMORIAL CIRCLE NW AND SW	FROM MEMORIAL BRIDGE (EASTBOUND) AT PARK BOUNDARY	TO ROUTE 0019 (HENRY BACON DRIVE NW) AND ROUTE 0023ZZ (23RD STREET SW)		YES	0.28	0.00	0.28	1		AS	1
0026	6	2	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)		YES	2.52	0.00	2.52	1		AS	4
0027ZZ	6	2	19179		OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD	FROM BEGINNING OF ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO ROUTE 0012ZZ (EAST BASIN DRIVE SW)		YES	1.35	0.00	1.35	1		AS	4
0028ZZ	6	2	19184		INDEPENDENCE AVENUE SW	FROM PARK BOUNDARY	TO PARK BOUNDARY		YES	1.99	0.00	1.99	1		AS	1,2
0029ZZ	6	2	19186		MAINE AVENUE SW	FROM PARK BOUNDARY	TO PARK BOUNDARY		YES	0.77	0.00	0.77	1		AS	2,4
0030ZZ	6	2	19193		12TH STREET NW	FROM PARK BOUNDARY	TO PARK BOUNDARY		YES	0.20	0.00	0.20	1		AS	3

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ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
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)		NO	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)		NO	0.00	0.07	0.07	6		GR	
0404	6	2	19180		ASH ROAD	FROM ROUTE 0957 (WORLD WAR II / HOMEFRONT DRIVE HANDICAPPED PARKING)	TO BARRIER		NO	0.22	0.00	0.22	6		AS	1,2
0406	6	2	19181		TITANIC MEMORIAL SERVICE ROAD	FROM DC POLICE DOCK	TO INTERSECTION OF P STREET SW AND 4TH STREET SW		NO	0.23	0.00	0.23	6		CO	4
0407	6	2	250824		LINCOLN MEMORIAL CIRCLE TOUR BUS ACCESS	FROM ROUTE 0023ZZ (23RD STREET SW)	TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)		NO	0.11	0.00	0.11	6		AS	1
0408	6	2	49906		HAINS POINT PLAYGROUND RESTROOM SERVICE ROAD	FROM ROUTE 0200 (HAINS POINT RESTROOM SERVICE ACCESS)	TO END OF LOOP		NO	0.07	0.00	0.07	6		AS	4
0409	6	2			CONSTITUTION GARDENS BUS LOOP	FROM ROUTE 0010 (CONSTITUTION AVENUE NW)	TO ROUTE 0010 (CONSTITUTION AVENUE NW)		NO	0.06	0.00	0.06	6		AS	2
0500	6	2	19182		MADISON DRIVE NW	FROM ROUTE 5001 (3RD STREET (SW AND NW)) AT PARK BOUNDARY	TO ROUTE 0021ZZ (15TH STREET NW AND SW)		YES	0.96	0.00	0.96	1		AS	2,3
0501	6	2	19183		JEFFERSON DRIVE SW	FROM ROUTE 0021ZZ (15TH STREET NW AND SW)	TO ROUTE 5001 (3RD STREET (SW AND NW)) AT PARK BOUNDARY		YES	0.97	0.00	0.97	1		AS	2,3
0506	6	2	19188		WEST BASIN DRIVE SW	FROM ROUTE 0011ZZ (OHIO DRIVE SW)	TO ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))		YES	0.25	0.00	0.25	1		AS	1

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ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0508	6	2	19190		DANIEL FRENCH DRIVE SW	FROM INTERSECTION OF ROUTE 0023ZZ (23RD STREET SW) AND ROUTE 0407 (LINCOLN MEMORIAL CIRCLE TOUR BUS ACCESS)	TO ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))		YES	0.14	0.00	0.14	3		AS	1
0509	6	2	19191		OHIO DRIVE RAMP TO LINCOLN MEMORIAL CIRCLE	FROM ROUTE 0011ZZ (OHIO DRIVE SW)	TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)		YES	0.11	0.00	0.11	1		AS	1
0510	6	2	19192		LINCOLN MEMORIAL CIRCLE RAMP TO OHIO DRIVE	FROM ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)	TO ROUTE 0011ZZ (OHIO DRIVE SW)		YES	0.08	0.00	0.08	1		AS	1
0515	6	2	49802		EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND	FROM ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))	TO INTERSECTION OF ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND)) AND ROUTE 0505Z (MAINE AVENUE SW (WESTBOUND))		YES	0.06	0.00	0.06	1		AS	2
0516	6	2	49804		WESTBOUND TO EASTBOUND TIDAL BASIN TURNAROUND	FROM ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))	TO ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))		YES	0.04	0.00	0.04	1		AS	2
0520	6	2	49861		LOOP AT INDEPENDENCE AVE AND OHIO DRIVE	FROM INTERSECTION OF ROUTE 0011ZZ (OHIO DRIVE SW) AND ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))	TO ROUTE 0011ZZ (OHIO DRIVE SW)		YES	0.05	0.00	0.05	1		AS	1
0521	6	2	104041		PARKWAY DRIVE TURNAROUND	FROM ROUTE 0017ZZ (PARKWAY DRIVE NW AND SPURS)	TO ROUTE 0017ZZ (PARKWAY DRIVE NW AND SPURS)		YES	0.00	0.00	0.00	3	5,711	AS	1
0522ZZ	6	2	49678		NORTHBOUND I-395 ON/OFF RAMPS 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		YES	0.29	0.00	0.29	1		AS	4

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NON-NPS ROADS INVENTORY

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
5000E	5	1			PENNSYLVANIA AVENUE NW (EASTBOUND)	FROM 15TH STREET NW	TO ROUTE 5001 (3RD STREET (SW AND NW))		NO	1.02	0.00	1.02			AS	2,3
5000W	5	1			PENNSYLVANIA AVENUE NW (WESTBOUND)	FROM ROUTE 5001 (3RD STREET (SW AND NW))	TO 15TH STREET NW		NO	1.02	0.00	1.02			AS	2,3
5001	5	1			3RD STREET (SW AND NW)	FROM INDEPENDENCE AVENUE SW	TO CONSTITUTION AVENUE NW		NO	0.29	0.00	0.29			AS	3
5002	5	1			4TH STREET (SW AND NW)	FROM INDEPENDENCE AVENUE SW	TO ROUTE 5000E (PENNSYLVANIA AVENUE NW (EASTBOUND)) / CONSTITUTION AVENUE NW		NO	0.29	0.00	0.29			AS	3
5003	5	1			7TH STREET (SW AND NW)	FROM INDEPENDENCE AVENUE SW	TO CONSTITUTION AVENUE NW		NO	0.29	0.00	0.29			AS	3
5004	5	1			14TH STREET (SW AND NW)	FROM INTERSECTION WITH ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND)) AND 0503 (INDEPENDENCE AVENUE SW (WESTBOUND))	TO CONSTITUTION AVENUE NW		NO	0.29	0.00	0.29			AS	2
5005	5	1			COLUMBUS CIRCLE NE (AT UNION STATION)	FROM COLUMBUS CIRCLE NE (IN FRONT OF UNION STATION)	TO END OF CIRCLE		NO	0.30	0.00	0.30			AS	5
5507	5	1	19189		I-395 SOUTH RAMP TO OHIO DRIVE SW	FROM INTERSTATE 395 (SOUTHBOUND)	TO ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)		NO	0.19	0.00	0.19			AS	4

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NAMA *National Mall and Memorial Parks*

PARKING AREA INVENTORY (1300 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Access Level	Area (SQ FT)	Surf. Type	Area Map
0901	6	2	40352		BRENTWOOD MAINTENANCE FACILITY NORTHEAST	FROM NEW YORK AVENUE NE	TO BRENTWOOD PARKWAY NE		NO	NONPUBLIC	250,510	AS	5
0903	6	2	43894		USPP H-1 STABLES PARKING	FROM ROUTE 0404 (ASH ROAD)	TO PARKING		NO	NONPUBLIC	13,581	AS	1
0904	6	2	49862		SURVEY LODGE PARKING AREA	FROM ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))	TO ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))		NO	NONPUBLIC	16,753	AS	2
0905	6	2	49863		TIDAL BASIN PARKING	FROM ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))	TO ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))		YES	PUBLIC	53,893	AS	2
0907	6	2	49865		NAMA HEADQUARTERS PARKING	FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	TO PARKING		YES	PUBLIC	17,167	AS	4
0908	6	2	49866		OHIO DRIVE TENNIS COURT PARKING	FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	TO PARKING		YES	PUBLIC	5,413	AS	4
0909ZZ	6	2	49867		PARK POLICE ACCESS PARKINGS	FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	TO PARKING		NO	NONPUBLIC	29,802	AS	4
0910	6	2	49868	■	GOLF COURSE PARKING	FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	TO ROUTE 0909AZ (PARK POLICE ACCESS A)		YES	PUBLIC	136,284	AS	4
0939A	6	2	40935		EAST POTOMAC PARK MAINTENANCE YARD	FROM ROUTE 0013 (BUCKEYE DRIVE SW)	TO ROUTE 0939BZZ (EAST POTOMAC PARK TOURMOBILE PARKING)		NO	NONPUBLIC	81,138	AS	4
0939BZZ	6	2	49927		EAST POTOMAC PARK TOURMOBILE PARKING	FROM ROUTE 0013 (BUCKEYE DRIVE SW) AND ROUTE 0014 (NAMA - MAIN STREET)	TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)		NO	NONPUBLIC	37,009	AS	4
0940	6	2	49929		BUCKEYE DRIVE TENNIS COURT PARKING	FROM ROUTE 0013 (BUCKEYE DRIVE SW)	TO ROUTE 0013 (BUCKEYE DRIVE SW)		YES	PUBLIC	15,666	AS	4
0941	6	2	49931		NATIONAL CAPITOL REGION HEADQUARTERS PARKING	FROM ROUTE 0011ZZ (OHIO DRIVE SW)	TO ROUTE 0014 (NAMA - MAIN STREET)		YES	PUBLIC	181,489	AS	4
0942	6	2	49933		EAST POTOMAC PARK BUS TURNAROUND	FROM ROUTE 0011ZZ (OHIO DRIVE SW)	TO ROUTE 0011ZZ (OHIO DRIVE SW)		NO	PUBLIC	5,799	AS	4

Report Date: 10/24/2019

Cycle 6 NPS / RIP Route ID Report

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

White = Paved Routes, DCV Driven	Grey = Paved Routes, DCV not Driven	Black = Non-NPS Routes
Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas

= Concession Route

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NAMA *National Mall and Memorial Parks*

PARKING AREA INVENTORY (1300 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Access Level	Area (SQ FT)	Surf. Type	Area Map
0943	6	2	49934		EAST POTOMAC PARK PARKING C	FROM ROUTE 0011ZZ (OHIO DRIVE SW)	TO PARKING		YES	PUBLIC	25,522	AS	4
0944	6	2	49935		EAST POTOMAC PARK PARKING B	FROM ROUTE 0011ZZ (OHIO DRIVE SW)	TO PARKING		YES	PUBLIC	25,963	AS	4
0945	6	2	49937		EAST POTOMAC PARK PARKING A	FROM ROUTE 0011ZZ (OHIO DRIVE SW)	TO PARKING		YES	PUBLIC	34,120	AS	4
0946	6	2	250826		FDR MEMORIAL HANDICAPPED PARKING	ADJACENT TO ROUTE 0506 (WEST BASIN DRIVE SW)			YES	PUBLIC	2,476	AS	1
0957	6	2	89577		WORLD WAR II / HOMEFRONT DRIVE HANDICAPPED PARKING	FROM ROUTE 0020ZZ (17TH STREET NW AND SW)	TO ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))		YES	PUBLIC	25,963	AS	2
0958	6	2	250825		JEFFERSON MEMORIAL CLOSED PARKING	FROM ROUTE 0012ZZ (EAST BASIN DRIVE SW)	TO ROUTE 0012ZZ (EAST BASIN DRIVE SW)		NO	NONPUBLIC	37,896	AS	4
0959ZZ	6	2	49871		HAINS POINT PARKING AREAS	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)			YES	PUBLIC	118,091	AS	4

Report Date: 10/24/2019

Cycle 6 NPS / RIP Route ID Report

(Numerical By Summary Route and Subcomponent #)

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Road Inventory Program

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Cycle 6 Summary Totals for National Mall and Memorial Parks

Cycle 6 Route Totals

	NPS Maintained	Concessionaire Maintained	Park Totals
Paved Roads, Data Collection Vehicle Rated (Miles)	17.62	0	**17.62**
Paved Roads, Manually Rated Length (Miles)	0.31	0	**0.31**
Paved Roads, Manually Rated Area (Sq. Ft.)	5,711	0	**5,711**
Unpaved Roads (Miles)	0.21	0	**0.21**
Paved Parking (Sq. Ft.)	978,251	136,284	**1,114,535**
Unpaved Parking (Sq. Ft.)	0	0	**0**

Cycle 6 Lane Miles and Overall Pavement Condition

	Lanes Miles*	Pavement Condition Rating**
Data Collection Vehicle Routes	50.49	50
Manually Rated Roads	0.57	72
Parking Areas	19.19	75

* Equivalent Lane Miles are calculated by route using the following equations:
- DCV and MRLs = (PAVE_WIDTH x PAVED_MI) / 11 foot lane
- MRPs and PKGs = SQ_FEET / 5280 / 11 foot lane

**Parking and Manually Rated Routes are assigned the following PCR values based on the type of observed distresses:
-Excellent = 97 -Good = 90 -Fair = 73
-Poor = 53, 30, or 0 -Construction / Not Rated = -1

Report Date: 10/24/2019

Cycle 6 NPS / RIP Route ID Report

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
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General Park Road Functional Classification (FC) Table

FC	Type	User Access	Description	Route Numbers
1	Principal Park Road Rural Parkway	Public	Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Rural Parkways (e.g. Natchez Trace) are numbered 0001 - 0009.	0001 - 0009 0010 - 0099
2	Connector Park Road	Public	Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc.	0100 - 0199
3	Special Purpose Park Road	Public	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.	0200 - 0299
4	Primitive Park Road	Public	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. Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.	0200 - 0299
5	Administrative Park Road	Public	All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas.	0400 - 0499
6	Administrative Park Road (Restricted Access)	Nonpublic	All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. 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.	0400 - 0499
7	Urban Parkway	Public	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.	0001 - 0009
8	City Street	Public	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.	0600 - 0699
N/A	Non-NPS Roads	Public	State, County, or City owned roads which border, traverse, or provide access to Park Facilities or Locations. Non-NPS roads are not assigned functional classes and are driven for GPS and Video Log only.	5000 - 5999

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

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 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.

Report Date: 10/24/2019

NPS / RIP Subcomponent Details for NAMA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

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= Concession Route

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Green = Unpaved Parking Areas

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NAMA *National Mall and Memorial Parks*

SUMMARY ROUTE INVENTORY FOR ROADS (1100 SERIES FMSS LOCATIONS)

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0011ZZ	19161	6	2		OHIO DRIVE SW	FROM ROUTE 0013 (BUCKEYE DRIVE SW) AND ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO ROUTE 0016ZZ (ROCK CREEK AND POTOMAC PARKWAY)	YES	2.05	0.00	2.05	1	
0012ZZ	19162	6	2		EAST BASIN DRIVE SW	FROM ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))	TO ROUTE 0011ZZ (OHIO DRIVE SW)	YES	0.76	0.00	0.76	1	
0016ZZ	19166	6	2		ROCK CREEK AND POTOMAC PARKWAY	FROM INTERSECTION OF ROCK CREEK PARKWAY AND VIRGINIA AVENUE AT PARK BOUNDARY	TO ROUTE 0011ZZ (OHIO DRIVE SW) AND ROUTE 0017ZZ (PARKWAY DRIVE NW AND SPURS)	YES	1.21	0.00	1.21	1	
0017ZZ	19167	6	2		PARKWAY DRIVE NW AND SPURS	FROM ROUTE 0016ZZ (ROCK CREEK AND POTOMAC PARKWAY)	TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)	YES	0.39	0.00	0.39	1	
0018ZZ	19168	6	2		23RD STREET NW	FROM ROUTE 0010 (CONSTITUTION AVENUE NW) AT PARK BOUNDARY	TO ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)	YES	0.22	0.00	0.22	1	
0020ZZ	19170	6	2		17TH STREET NW AND SW	FROM ROUTE 0010 (CONSTITUTION AVENUE NW)	TO ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))	YES	0.35	0.00	0.35	1	
0021ZZ	19171	6	2		15TH STREET NW AND SW	FROM ROUTE 0010 (CONSTITUTION AVENUE NW) AT PARK BOUNDARY	TO ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))	YES	0.55	0.00	0.55	1	
0023ZZ	19172	6	2		23RD STREET SW	FROM ROUTE 0025ZZ (LINCOLN MEMORIAL CIRCLE NW AND SW)	TO INTERSECTION OF ROUTE 0011ZZ (OHIO DRIVE SW) AND ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))	YES	0.13	0.00	0.13	1	
0025ZZ	19174	6	2		LINCOLN MEMORIAL CIRCLE NW AND SW	FROM MEMORIAL BRIDGE (EASTBOUND) AT PARK BOUNDARY	TO ROUTE 0019 (HENRY BACON DRIVE NW) AND ROUTE 0023ZZ (23RD STREET SW)	YES	0.28	0.00	0.28	1	
0027ZZ	19179	6	2		OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD	FROM BEGINNING OF ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO ROUTE 0012ZZ (EAST BASIN DRIVE SW)	YES	1.35	0.00	1.35	1	
0028ZZ	19184	6	2		INDEPENDENCE AVENUE SW	FROM PARK BOUNDARY	TO PARK BOUNDARY	YES	1.99	0.00	1.99	1	
0029ZZ	19186	6	2		MAINE AVENUE SW	FROM PARK BOUNDARY	TO PARK BOUNDARY	YES	0.77	0.00	0.77	1	

NPS / RIP Subcomponent Details for NAMA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

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= Concession Route
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NAMA *National Mall and Memorial Parks*

SUMMARY ROUTE INVENTORY FOR ROADS (1100 SERIES FMSS LOCATIONS)

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0030ZZ	19193	6	2		12TH STREET NW	FROM PARK BOUNDARY	TO PARK BOUNDARY	YES	0.20	0.00	0.20	1	
0522ZZ	49678	6	2		NORTHBOUND I-395 ON/OFF RAMPS 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	YES	0.29	0.00	0.29	1	

SUMMARY ROUTE INVENTORY FOR PARKING AREAS (1300 SERIES FMSS LOCATIONS)

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	User Access	Area (SQ FT)
0909ZZ	49867	6	2		PARK POLICE ACCESS PARKINGS	FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	TO PARKING	NO	NONPUBLIC	29,802
0939BZZ	49927	6	2		EAST POTOMAC PARK TOURMOBILE PARKING	FROM ROUTE 0013 (BUCKEYE DRIVE SW) AND ROUTE 0014 (NAMA - MAIN STREET)	TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)	NO	NONPUBLIC	37,009
0959ZZ	49871	6	2		HAINS POINT PARKINGS	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	118,091

NPS / RIP Subcomponent Details for NAMA

(Numerical By Summary Route and Subcomponent #)

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Road Inventory Program

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Yellow = Unpaved Routes, DCV not Driven | Blue = Paved Parking Areas | Green = Unpaved Parking Areas

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PKG = Parking Areas
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NAMA *National Mall and Memorial Parks*

NAMA-0011ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0011AZ	19161	6	2		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 ROUTE 0011EZ (OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE)), ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND)), AND ROUTE 0520 (LOOP AT INDEPENDENCE AVE AND OHIO DRIVE)	YES	1.22	0.00	1.22	1	
0011BZ	19161	6	2		OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY)	FROM INTERSECTION OF ROUTE 0023AZ (23RD STREET SW (SOUTHBOUND)) AND ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))	TO ROUTE 0016AZ (ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND))	YES	0.53	0.00	0.53	1	
0011CZ	19161	6	2		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))	YES	0.10	0.00	0.10	1	
0011DZ	19161	6	2		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))	YES	0.10	0.00	0.10	1	
0011EZ	19161	6	2		OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE)	FROM ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))	TO INTERSECTION OF ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND)) AND ROUTE 0520 (LOOP AT INDEPENDENCE AVE AND OHIO DRIVE)	YES	0.10	0.00	0.10	1	

NPS / RIP Subcomponent Details for NAMA

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Road Inventory Program

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NAMA *National Mall and Memorial Parks*

NAMA-0012ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0012AZ	19162	6	2		EAST BASIN DRIVE SW (WESTBOUND)	FROM ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))	TO ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))	YES	0.57	0.00	0.57	1	
0012BBZ	19162	6	2		EAST BASIN DRIVE SW (EASTBOUND SPUR TO MAINE AVENUE EASTBOUND)	FROM ROUTE 0012BZ (EAST BASIN DRIVE SW (EASTBOUND))	TO ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))	YES	0.03	0.00	0.03	1	
0012BZ	19162	6	2		EAST BASIN DRIVE SW (EASTBOUND)	FROM ROUTE 0027AZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND))	TO ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))	YES	0.16	0.00	0.16	1	

NAMA-0016ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0016AZ	19166	6	2		ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND)	FROM END OF ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))	TO INTERSECTION OF ROCK CREEK PARKWAY AND VIRGINIA AVENUE AT PARK BOUNDARY	YES	0.60	0.00	0.60	1	
0016BZ	19166	6	2		ROCK CREEK AND POTOMAC PARKWAY (SOUTHBOUND)	FROM INTERSECTION OF ROCK CREEK PARKWAY AND VIRGINIA AVENUE AT PARK BOUNDARY	TO BEGINNING OF ROUTE 0017AZ (PARKWAY DRIVE NW)	YES	0.61	0.00	0.61	1	

NPS / RIP Subcomponent Details for NAMA

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NAMA *National Mall and Memorial Parks*

NAMA-0017ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description		FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
						From	To						
0017AZ	19167	6	2		PARKWAY DRIVE NW	FROM END OF ROUTE 0016BZ (ROCK CREEK AND POTOMAC PARKWAY (SOUTHBOUND))	TO ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)	YES	0.31	0.00	0.31	1	
0017BZ	19167	6	2		PARKWAY DRIVE RAMP TO OHIO DRIVE	FROM ROUTE 0017AZ (PARKWAY DRIVE NW)	TO ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))	YES	0.03	0.00	0.03	1	
0017CZ	19167	6	2		LINCOLN MEMORIAL CIRCLE SPUR TO PARKWAY DRIVE	FROM ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)	TO ROUTE 0017AZ (PARKWAY DRIVE NW)	YES	0.05	0.00	0.05	1	

NAMA-0018ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description		FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
						From	To						
0018AZ	19168	6	2		23RD STREET NW (SOUTHBOUND)	FROM ROUTE 0010 (CONSTITUTION AVENUE NW) AT PARK BOUNDARY	TO ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)	YES	0.11	0.00	0.11	1	
0018BZ	19168	6	2		23RD STREET NW (NORTHBOUND)	FROM ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)	TO ROUTE 0010 (CONSTITUTION AVENUE NW) AT PARK BOUNDARY	YES	0.11	0.00	0.11	1	

NPS / RIP Subcomponent Details for NAMA

(Numerical By Summary Route and Subcomponent #)

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NAMA *National Mall and Memorial Parks*

NAMA-0020ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0020AZ	19170	6	2		17TH STREET NW (SOUTHBOUND)	FROM ROUTE 0010 (CONSTITUTION AVENUE NW) AT PARK BOUNDARY	TO BEGINNING OF ROUTE 0020CZ (17TH STREET SW (SOUTHBOUND))	YES	0.15	0.00	0.15	1	
0020BZ	19170	6	2		17TH STREET SW (NORTHBOUND SPUR FROM INDEPENDENCE AVENUE)	FROM ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))	TO ROUTE 0020CZ (17TH STREET SW (SOUTHBOUND))	YES	0.07	0.00	0.07	1	
0020CZ	19170	6	2		17TH STREET SW (SOUTHBOUND)	FROM END OF ROUTE 0020AZ (17TH STREET NW (SOUTHBOUND))	TO ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))	YES	0.12	0.00	0.12	1	

NAMA-0021ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0021AZ	19171	6	2		15TH STREET NW	FROM ROUTE 0010 (CONSTITUTION AVENUE NW) AT PARK BOUNDARY	TO BEGINNING OF ROUTE 0021BZ (15TH STREET SW)	YES	0.16	0.00	0.16	1	
0021BZ	19171	6	2		15TH STREET SW	FROM END OF ROUTE 0021AZ (15TH STREET NW)	TO ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))	YES	0.39	0.00	0.39	1	

NPS / RIP Subcomponent Details for NAMA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

White = Paved Routes, DCV Driven	Grey = Paved Routes, DCV not Driven	Black = Paved Routes, Non-NPS
Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas

= Concession Route

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DCV = Data Collection Vehicle
MRL = Manually Rated Line
MRP = Manually Rated Polygon
PKG = Parking Areas
NC = Not Collected

NAMA *National Mall and Memorial Parks*

NAMA-0023ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0023AZ	19172	6	2		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 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))	YES	0.06	0.00	0.06	1	
0023BZ	19172	6	2		23RD STREET SW (NORTHBOUND)	FROM INTERSECTION OF ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY)) AND ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))	TO INTERSECTION OF ROUTE 0407 (LINCOLN MEMORIAL CIRCLE TOUR BUS ACCESS) AND ROUTE 0508 (DANIEL FRENCH DRIVE SW)	YES	0.07	0.00	0.07	1	

NAMA-0025ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0025AZ	19174	6	2		LINCOLN MEMORIAL CIRCLE NW	FROM MEMORIAL BRIDGE (EASTBOUND) AT PARK BOUNDARY	TO ROUTE 0019 (HENRY BACON DRIVE NW)	YES	0.19	0.00	0.19	1	
0025BZ	19174	6	2		LINCOLN MEMORIAL CIRCLE SW	FROM MEMORIAL BRIDGE (EASTBOUND) AT PARK BOUNDARY	TO ROUTE 0023ZZ (23RD STREET SW)	YES	0.09	0.00	0.09	1	

NPS / RIP Subcomponent Details for NAMA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

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= Concession Route

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NAMA *National Mall and Memorial Parks*

NAMA-0027ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0027AZ	19179	6	2		OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND)	FROM ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO ROUTE 0012AZ (EAST BASIN DRIVE SW (WESTBOUND))	YES	0.68	0.00	0.68	1	
0027BZ	19179	6	2		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)	YES	0.68	0.00	0.68	1	

NAMA-0028ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0502Z	19184	6	2		INDEPENDENCE AVENUE SW (EASTBOUND)	FROM INTERSECTION OF ROUTE 0011ZZ (OHIO DRIVE SW) AND 0520 (JOHN ERICSSON MEMORIAL LOOP)	TO 14TH STREET SW AT PARK BOUNDARY	YES	0.99	0.00	0.99	1	
0503Z	19184	6	2		INDEPENDENCE AVENUE SW (WESTBOUND)	FROM INTERSECTION WITH ROUTE 5004 (14TH STREET (SW AND NW)) AT PARK BOUNDARY	TO INTERSECTION OF ROUTE 0011ZZ (OHIO DRIVE SW) AND ROUTE 0023ZZ (23RD STREET SW)	YES	1.00	0.00	1.00	1	

NPS / RIP Subcomponent Details for NAMA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

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NAMA *National Mall and Memorial Parks*

NAMA-0029ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0504Z	19186	6	2		MAINE AVENUE SW (EASTBOUND)	FROM ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))	TO 14TH STREET SW UNDERPASS AT PARK BOUNDARY	YES	0.35	0.00	0.35	1	
0505Z	19186	6	2		MAINE AVENUE SW (WESTBOUND)	FROM 14TH STREET SW UNDERPASS AT PARK BOUNDARY	TO INTERSECTION OF ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND)) AND ROUTE 0515 (EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND)	YES	0.42	0.00	0.42	1	

NAMA-0030ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0511Z	19193	6	2		12TH STREET NW (SOUTHBOUND RAMP)	FROM CONSTITUTION AVENUE NW AT PARK BOUNDARY	TO ROUTE 0500 (MADISON DRIVE NW)	YES	0.10	0.00	0.10	1	
0512Z	19193	6	2		12TH STREET NW (NORTHBOUND RAMP)	FROM ROUTE 0500 (MADISON DRIVE NW)	TO CONSTITUTION AVENUE NW AT PARK BOUNDARY	YES	0.10	0.00	0.10	1	

NAMA-0522ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
0522AZ	49678	6	2		NORTHBOUND I-395 RAMP FROM NCR HEADQUARTERS	FROM END OF ROUTE 0014 (NAMA - MAIN STREET)	TO INTERSTATE 395 (NORTHBOUND)	YES	0.17	0.00	0.17	1	
0522BZ	49678	6	2		NORTHBOUND I-395 RAMP TO NCR HEADQUARTERS	FROM INTERSTATE 395 (NORTHBOUND)	TO END OF ROUTE 0014 (NAMA - MAIN STREET)	YES	0.12	0.00	0.12	1	

NPS / RIP Subcomponent Details for NAMA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

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= Concession Route

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NC = Not Collected

NAMA *National Mall and Memorial Parks*

NAMA-0909ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	User Access	Area (SQ FT)
0909AZ	49867	6	2		PARK POLICE ACCESS A	FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)	TO ROUTE 0909BZ (PARK POLICE ACCESS B)	NO	NONPUBLIC	24,021
0909BZ	49867	6	2		PARK POLICE ACCESS B	FROM ROUTE 0909AZ (PARK POLICE ACCESS A)	TO PARKING	NO	NONPUBLIC	5,781

NAMA-0939BZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	User Access	Area (SQ FT)
0939BAZ	49927	6	2		EAST POTOMAC PARK TOURMOBILE PARKING - FRONT	FROM ROUTE 0013 (BUCKEYE DRIVE SW)	TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)	NO	NONPUBLIC	10,882
0939BBZ	49927	6	2		EAST POTOMAC PARK TOURMOBILE PARKING - BACK	FROM ROUTE 0014 (NAMA - MAIN STREET)	TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)	NO	NONPUBLIC	26,127

NPS / RIP Subcomponent Details for NAMA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

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Red text denotes:
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NC = Not Collected

NAMA *National Mall and Memorial Parks*

NAMA-0959ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	User Access	Area (SQ FT)
0911Z	49871	6	2		HAINS POINT PARKING #1	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	1,829
0912Z	49871	6	2		HAINS POINT PARKING #2	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	2,708
0913Z	49871	6	2		HAINS POINT PARKING #3	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	1,845
0914Z	49871	6	2		HAINS POINT PARKING #4	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	1,105
0915Z	49871	6	2		HAINS POINT PARKING #5	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	1,490
0916Z	49871	6	2		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)	YES	PUBLIC	9,468
0917Z	49871	6	2		HAINS POINT PARKING #7	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	2,417
0918Z	49871	6	2		HAINS POINT PARKING #8	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	2,224
0919Z	49871	6	2		HAINS POINT PARKING #9	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	1,919
0920Z	49871	6	2		HAINS POINT PARKING #10	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	2,775
0921Z	49871	6	2		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)	YES	PUBLIC	11,077
0922Z	49871	6	2		HAINS POINT PARKING #12	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	1,254
0923Z	49871	6	2		HAINS POINT PLAYGROUND PARKING	FROM ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)	YES	PUBLIC	28,084
0924Z	49871	6	2		HAINS POINT PARKING #13	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	4,917

NPS / RIP Subcomponent Details for NAMA

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

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NC = Not Collected

NAMA *National Mall and Memorial Parks*

NAMA-0959ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description From	Route Description To	FLTP	User Access	Area (SQ FT)
0925Z	49871	6	2		HAINS POINT PARKING #14	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	2,325
0926Z	49871	6	2		HAINS POINT PARKING #16	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	4,637
0928Z	49871	6	2		HAINS POINT PARKING #17	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	3,755
0929Z	49871	6	2		HAINS POINT PARKING #18	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	7,621
0930Z	49871	6	2		HAINS POINT PARKING #18 (RESTROOM PARKING)	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	812
0931Z	49871	6	2		HAINS POINT PARKING #19	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	4,640
0932Z	49871	6	2		HAINS POINT PARKING #20	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	5,228
0933Z	49871	6	2		HAINS POINT PARKING #21	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	4,065
0934Z	49871	6	2		HAINS POINT PARKING #22	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	2,398
0935Z	49871	6	2		HAINS POINT PARKING #23	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	3,119
0936Z	49871	6	2		HAINS POINT PARKING #24	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	1,429
0937Z	49871	6	2		HAINS POINT PARKING #25	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	1,547
0947Z	49871	6	2		HAINS POINT PARKING #15	ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)		YES	PUBLIC	3,403

Route Identification Changes to Paved Routes from Previous Cycle
National Mall and Memorial Parks

ROUTES MODIFIED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0010	CONSTITUTION AVENUE NW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0011ZZ	OHIO DRIVE SW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0012ZZ	EAST BASIN DRIVE SW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0013	BUCKEYE DRIVE SW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0014	NAMA - MAIN STREET	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0016ZZ	ROCK CREEK AND POTOMAC PARKWAY	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0017ZZ	PARKWAY DRIVE NW AND SPURS	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0018ZZ	23RD STREET NW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0019	HENRY BACON DRIVE NW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0020ZZ	17TH STREET NW AND SW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0021ZZ	15TH STREET NW AND SW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0022	12TH STREET SW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0023ZZ	23RD STREET SW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0025ZZ	LINCOLN MEMORIAL CIRCLE NW AND SW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0026	OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0027ZZ	OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0028ZZ	INDEPENDENCE AVENUE SW	ROUTES COMBINED	ROUTES 0502 AND 0503 WERE COMBINED IN CYCLE 6. FUNCTIONAL CLASS CHANGED FROM 7 TO 1.

Route Identification Changes to Paved Routes from Previous Cycle
National Mall and Memorial Parks

ROUTES MODIFIED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0029ZZ	MAINE AVENUE SW	ROUTES COMBINED	ROUTES 0504 AND 0505 WERE COMBINED IN CYCLE 6. FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0030ZZ	12TH STREET NW	ROUTES COMBINED	ROUTES 0511 AND 0512 WERE COMBINED IN CYCLE 6. FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0500	MADISON DRIVE NW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0501	JEFFERSON DRIVE SW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0506	WEST BASIN DRIVE SW	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0509	OHIO DRIVE RAMP TO LINCOLN MEMORIAL CIRCLE	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0510	LINCOLN MEMORIAL CIRCLE RAMP TO OHIO DRIVE	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0515	EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0516	WESTBOUND TO EASTBOUND TIDAL BASIN TURNAROUND	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0520	LOOP AT INDEPENDENCE AVE AND OHIO DRIVE	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1. ROUTE NAME CHANGED FROM "JOHN ERICSSON MEMORIAL LOOP".
0521	PARKWAY DRIVE TURNAROUND	ROUTE NAME	ROUTE NAME CHANGED FROM "OLD CONSTITUTIONAL AVENUE TURNAROUND".
0522ZZ	NORTHBOUND I-395 ON/OFF RAMPS AT NCR HEADQUARTERS	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 7 TO 1.
0909ZZ	PARK POLICE ACCESS PARKINGS	ROUTES COMBINED	ROUTES 0909A AND 0909B WERE COMBINED.
0959ZZ	HAINS POINT PARKING AREAS	ROUTES COMBINED	ROUTES 0911 TO 0937 AND 0947 WERE COMBINED (COMBINED RECORD CONSISTS OF 27 PARKING SUBCOMPONENTS).

Section 3
Park Summary Information

National Mall and Memorial Parks

Federal Lands Highway
Road Inventory Program

Parkwide Paved Route Condition Summary
National Mall and Memorial Parks

Table 1: Paved Route Miles and Parking Area Square Footages by Access Level and PCR

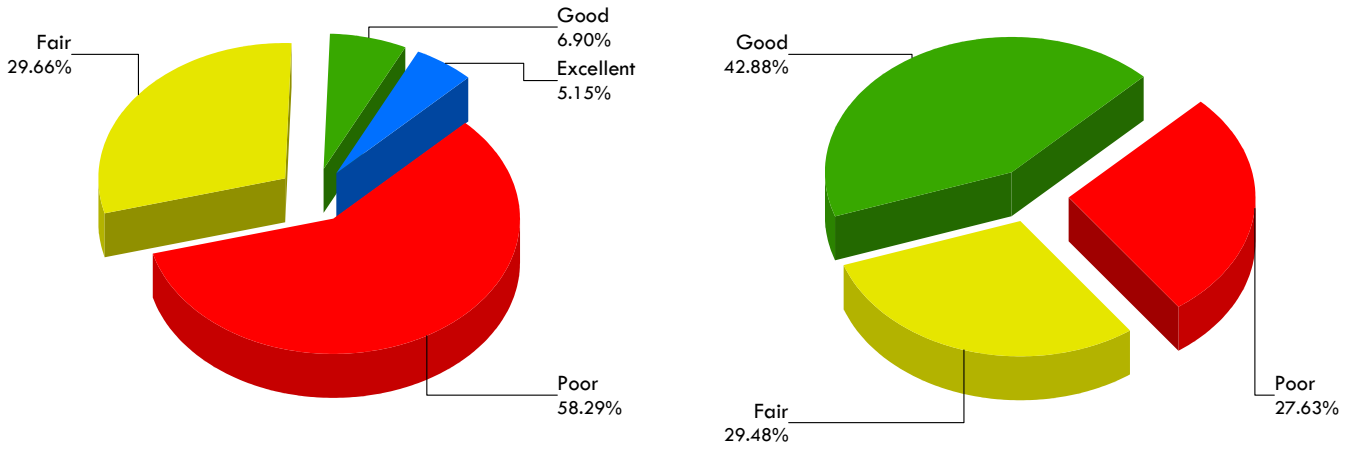
Breakdown of Pavement Condition Rating (PCR) Based on Access Level

	POOR (PCR of 0 - 60)	FAIR (PCR of 61 - 84)	GOOD (PCR of 85 - 94)	EXCELLENT (PCR of 95 -100)	
PAVED ROADS					
Functional Class	**Length (miles)**	**Length (miles)**	**Length (miles)**	**Length (miles)**	**Total Mileage by FC**
1	10.06	4.87	1.15	0.92	16.99
2					
3	0.10	0.04	0.05		0.19
4					
5					
6	0.26	0.39	0.04		0.70
7					
8					
Total Mileage by PCR	**10.42**	**5.30**	**1.24**	**0.92**	**17.87**
PAVED PARKING					
Access Level	**Area (sq. ft.)**	**Area (sq. ft.)**	**Area (sq. ft.)**	**Area (sq. ft.)**	**Total Area**
PUBLIC		302,524	345,322		647,846
NONPUBLIC	307,947	26,127	132,615		466,689
Total Area by PCR	**307,947**	**328,651**	**477,937**	**0**	**1,114,535**

NOTES:

1. Data are reported in the table only for paved roads and parking lots that received a condition rating.
2. Non-linear roads (MRP collected routes) are measured by area and converted to equivalent route miles based on a 22-ft pavement width in order to be included in the mileage totals for paved roads shown above.
3. Quantities in the table above are derived from the route condition data within the PMS_20, PMS_MRL, PMS_MRP, and PMS_PKG tables in the Park geodatabase.

Parkwide Condition Percentages



Road Condition Percentages **Parking Area Condition Percentages**

Figure 1: Pavement Condition Rating Breakdown for Paved Roads and Parking Areas

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

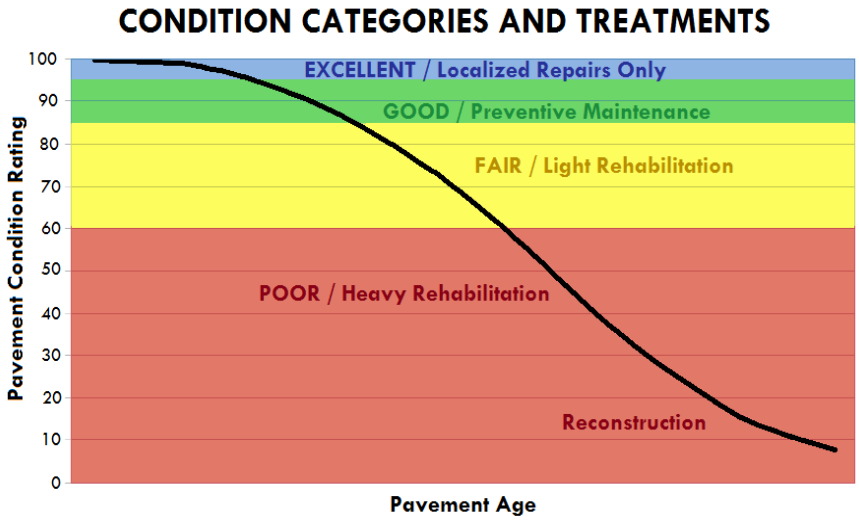
The Road Inventory Program aims to provide assistance in translating the excellent / good / fair / poor rating categories into pavement needs categories. The PCR can be used to indicate the place in the Pavement Life Cycle and the type of treatments that should be considered now and into the future.

- 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 singlelift 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 at the time in which the data were 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.

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Road Condition Summary Report for Data Collection Vehicle (DCV) Rated Roads
National Mall and Memorial Parks

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
- NR = NOT RATED

Notes:

- This condition summary report contains only the roads rated with the Data Collection Vehicle (DCV).
- Condition on roads that were manually rated and parking areas are shown in separate reports.
- Route-level scores shown on this page may not represent scores at smaller intervals (due to rollup calculations).
- Additional details on individual road ratings at 0.10-mile and 1-mile intervals can be found in Section 5 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Route-Level Condition for Roads Rated with the Data Collection Vehicle (DCV)

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
NAMA-0010	49680	CONSTITUTION AVENUE NW	1	AS	0.88	77	72	81	93	100	93	81	99	97
NAMA-0011AZ	19161	OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE)	1	AS	1.22	60	59	61	61	92	69	71	100	91
NAMA-0011BZ	19161	OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY)	1	AS	0.53	78	68	84	84	100	84	95	100	98
NAMA-0011CZ	19161	OHIO DRIVE SW (SB CONNECTOR AROUND ERICSSON MEMORIAL TO WEST POTOMAC PARK)	1	AS	0.10	90	NR	90	90	100	90	97	100	99
NAMA-0011DZ	19161	OHIO DRIVE SW (SB LANE SEPARATION AT POTOMAC RIVER FREEWAY)	1	AS	0.10	89	NR	89	89	100	89	89	99	98
NAMA-0011EZ	19161	OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE)	1	AS	0.10	85	NR	85	85	100	85	98	100	98
NAMA-0012AZ	19162	EAST BASIN DRIVE SW (WESTBOUND)	1	AS	0.57	47	62	37	37	96	41	62	98	95
NAMA-0012BBZ	19162	EAST BASIN DRIVE SW (EASTBOUND SPUR TO MAINE AVENUE EASTBOUND)	1	AS	0.03	68	NR	68	74	100	74	68	100	97
NAMA-0012BZ	19162	EAST BASIN DRIVE SW (EASTBOUND)	1	AS	0.16	88	NR	88	89	100	89	88	97	97
NAMA-0013	19163	BUCKEYE DRIVE SW	1	AS	0.34	99	NR	99	99	100	99	100	100	99
NAMA-0014	19164	NAMA - MAIN STREET	1	AS	0.09	0	NR	0	0	0	0	0	96	91
NAMA-0016AZ	19166	ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND)	1	AS	0.60	51	65	41	41	99	42	48	98	90
NAMA-0016BZ	19166	ROCK CREEK AND POTOMAC PARKWAY (SOUTHBOUND)	1	AS	0.61	41	73	19	38	100	38	19	96	92
NAMA-0017AZ	19167	PARKWAY DRIVE NW	1	AS	0.31	80	NR	80	80	100	80	95	100	99
NAMA-0017BZ	19167	PARKWAY DRIVE RAMP TO OHIO DRIVE	1	AS	0.03	89	NR	89	100	100	100	98	100	89
NAMA-0017CZ	19167	LINCOLN MEMORIAL CIRCLE SPUR TO PARKWAY DRIVE	1	AS	0.05	66	NR	66	66	100	66	97	100	99
NAMA-0018AZ	19168	23RD STREET NW (SOUTHBOUND)	1	AS	0.11	0	NR	0	0	99	0	45	99	90
NAMA-0018BZ	19168	23RD STREET NW (NORTHBOUND)	1	AS	0.11	62	NR	62	62	100	62	79	100	96
NAMA-0019	19169	HENRY BACON DRIVE NW	1	AS	0.15	13	NR	13	13	99	14	51	100	100

Data Collection Date: 06/2018

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Road Condition Summary Report for Data Collection Vehicle (DCV) Rated Roads
National Mall and Memorial Parks

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
- NR = NOT RATED

Notes:

- This condition summary report contains only the roads rated with the Data Collection Vehicle (DCV).
- Condition on roads that were manually rated and parking areas are shown in separate reports.
- Route-level scores shown on this page may not represent scores at smaller intervals (due to rollup calculations).
- Additional details on individual road ratings at 0.10-mile and 1-mile intervals can be found in Section 5 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Route-Level Condition for Roads Rated with the Data Collection Vehicle (DCV)

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
NAMA-0020AZ	19170	17TH STREET NW (SOUTHBOUND)	1	AS	0.15	68	NR	68	87	100	87	68	93	93
NAMA-0020BZ	19170	17TH STREET SW (NORTHBOUND SPUR FROM INDEPENDENCE AVENUE)	1	AS	0.07	32	NR	32	44	100	44	32	100	96
NAMA-0020CZ	19170	17TH STREET SW (SOUTHBOUND)	1	AS	0.12	79	NR	79	97	100	97	79	100	86
NAMA-0021AZ	19171	15TH STREET NW	1	AS	0.16	33	NR	33	33	97	36	59	94	86
NAMA-0021BZ	19171	15TH STREET SW	1	AS	0.39	28	NR	28	28	99	29	43	98	87
NAMA-0022	49698	12TH STREET SW	1	AS	0.07	0	NR	0	0	100	0	0	100	99
NAMA-0023AZ	19172	23RD STREET SW (SOUTHBOUND)	1	AS	0.06	0	NR	0	0	57	32	38	99	85
NAMA-0023BZ	19172	23RD STREET SW (NORTHBOUND)	1	AS	0.07	4	NR	4	4	41	63	86	99	72
NAMA-0025AZ	19174	LINCOLN MEMORIAL CIRCLE NW	1	AS	0.19	0	NR	0	0	98	0	34	100	95
NAMA-0025BZ	19174	LINCOLN MEMORIAL CIRCLE SW	1	AS	0.09	16	NR	16	16	95	21	50	98	94
NAMA-0026	19175	OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD	1	AS	2.52	50	67	39	53	97	56	39	100	99
NAMA-0027AZ	19179	OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND)	1	AS	0.68	24	59	0	0	100	0	0	99	100
NAMA-0027BZ	19179	OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (SOUTHBOUND)	1	AS	0.68	26	65	0	0	97	0	0	99	99
NAMA-0404	19180	ASH ROAD	6	AS	0.22	37	NR	37	37	82	55	78	91	98
NAMA-0407	N/A	LINCOLN MEMORIAL CIRCLE TOUR BUS ACCESS	6	AS	0.11	55	NR	55	65	100	65	55	100	99
NAMA-0409	N/A	CONSTITUTION GARDENS BUS LOOP	6	AS	0.06	79	NR	79	96	100	96	96	99	79
NAMA-0500	19182	MADISON DRIVE NW	1	AS	0.96	75	NR	75	75	100	75	92	100	99
NAMA-0501	19183	JEFFERSON DRIVE SW	1	AS	0.97	46	NR	46	50	100	50	46	100	95
NAMA-0502Z	19184	INDEPENDENCE AVENUE SW (EASTBOUND)	1	AS	0.99	37	62	20	20	98	22	46	98	98

Data Collection Date: 06/2018

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Road Condition Summary Report for Data Collection Vehicle (DCV) Rated Roads

National Mall and Memorial Parks

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
- NR = NOT RATED

Notes:

- This condition summary report contains only the roads rated with the Data Collection Vehicle (DCV).
- Condition on roads that were manually rated and parking areas are shown in separate reports.
- Route-level scores shown on this page may not represent scores at smaller intervals (due to rollup calculations).
- Additional details on individual road ratings at 0.10-mile and 1-mile intervals can be found in Section 5 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Route-Level Condition for Roads Rated with the Data Collection Vehicle (DCV)

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
NAMA-0503Z	19184	INDEPENDENCE AVENUE SW (WESTBOUND)	1	AS	1.00	33	65	12	34	97	37	12	98	95
NAMA-0504Z	19186	MAINE AVENUE SW (EASTBOUND)	1	AS	0.35	4	NR	4	4	96	8	23	99	99
NAMA-0505Z	19186	MAINE AVENUE SW (WESTBOUND)	1	AS	0.42	36	NR	36	42	100	42	36	99	96
NAMA-0506	19188	WEST BASIN DRIVE SW	1	AS	0.25	39	NR	39	39	81	58	70	100	98
NAMA-0508	19190	DANIEL FRENCH DRIVE SW	3	AS	0.14	48	NR	48	48	94	54	84	84	97
NAMA-0509	19191	OHIO DRIVE RAMP TO LINCOLN MEMORIAL CIRCLE	1	AS	0.11	0	NR	0	0	71	0	0	99	90
NAMA-0510	19192	LINCOLN MEMORIAL CIRCLE RAMP TO OHIO DRIVE	1	AS	0.08	80	NR	80	80	100	80	81	100	98
NAMA-0511Z	19193	12TH STREET NW (SOUTHBOUND RAMP)	1	AS	0.10	0	NR	0	0	100	0	71	100	96
NAMA-0512Z	19193	12TH STREET NW (NORTHBOUND RAMP)	1	AS	0.10	61	NR	61	61	100	61	99	100	97
NAMA-0515	49802	EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND	1	AS	0.06	51	NR	51	65	100	65	51	100	97
NAMA-0516	49804	WESTBOUND TO EASTBOUND TIDAL BASIN TURNAROUND	1	AS	0.04	70	NR	70	78	95	83	70	100	93
NAMA-0520	49861	LOOP AT INDEPENDENCE AVE AND OHIO DRIVE	1	AS	0.05	93	NR	93	100	100	100	99	97	93
NAMA-0522AZ	49678	NORTHBOUND I-395 RAMP FROM NCR HEADQUARTERS	1	AS	0.17	0	NR	0	0	0	0	0	99	90
NAMA-0522BZ	49678	NORTHBOUND I-395 RAMP TO NCR HEADQUARTERS	1	AS	0.12	0	NR	0	0	0	0	0	99	88

Data Collection Date: 06/2018

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program
Road Condition Summary Report for Manually Rated Roads

National Mall and Memorial Parks

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
- NR = NOT RATED

Notes:

- This condition summary report contains only the roads that were manually rated.
  - MRL: Manually Rated Line (a linear road)
  - MRP: Manually Rated Polygon (a non-linear road)
- Condition on roads that were rated with the Data Collection Vehicle (DCV) are shown in a separate report.
- A road is manually rated when it is determined to be unsuitable for the DCV to drive.
- Additional details on individual road ratings at 0.10-mile and 1-mile intervals can be found in Section 5 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Route-Level Condition for Manually Rated Line (MRL) Roads

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
NAMA-0406	19181	TITANIC MEMORIAL SERVICE ROAD	6	CO	0.23	73	NR	73	NR	NR	NR	NR	NR	NR
NAMA-0408	49906	HAINS POINT PLAYGROUND RESTROOM SERVICE ROAD	6	AS	0.07	53	NR	53	NR	53	90	73	73	73

Route-Level Condition for Manually Rated Polygon (MRP) Roads

							Asphalt Surface Distresses						Concrete Surface Distresses				
Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Area (Sq. Ft.)	Pavement Condition Rating (PCR)	Alligator Cracking	Longitudinal / Tranverse Cracking	Rutting / Distortions	Potholes / Patching	HMA Patching	Surface Raveling / Bleeding	Joint Faulting	Slab Cracking	Joint Distresses	Delamination / Pop-Outs	Potholes / Patching
NAMA-0521	104041	PARKWAY DRIVE TURNAROUND	3	AS	5,711	90	97	90	90	97	97	97					

Data Collection Date: 02/2018

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program

Parking Area Condition Summary Report

National Mall and Memorial Parks

Condition (Rating / Index) Legend

- EXCELLENT (97)
- GOOD (90)
- FAIR (73)
- POOR* (0, 30, 53)
- NR = NOT RATED

Notes:

- A PCR of 0 indicates a paved parking area in very poor condition. Individual distresses could not be identified.
- Additional details on individual parking areas can be found in Section 6 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Condition Rating Details for Parking Areas

Route No.	FMSS No.	Route Name	User Access	Surf. Type	Area (Sq. Ft.)	Pavement Condition Rating (PCR)	Asphalt Surface Distresses: Alligator Cracking	Asphalt Surface Distresses: Longitudinal / Tranverse Cracking	Asphalt Surface Distresses: Rutting / Distortions	Asphalt Surface Distresses: Potholes / Patching	Asphalt Surface Distresses: HMA Patching	Asphalt Surface Distresses: Surface Raveling / Bleeding	Concrete Surface Distresses: Joint Faulting	Concrete Surface Distresses: Slab Cracking	Concrete Surface Distresses: Joint Distresses	Concrete Surface Distresses: Delamination / Pop-Outs	Concrete Surface Distresses: Potholes / Patching
NAMA-0901	40352	BRENTWOOD MAINTENANCE FACILITY NORTHEAST	NONPUBLIC	AS	250,510	53	90	53	90	90	90	90					
NAMA-0903	43894	USPP H-1 STABLES PARKING	NONPUBLIC	AS	13,581	90	97	90	90	97	97	90					
NAMA-0904	49862	SURVEY LODGE PARKING AREA	NONPUBLIC	AS	16,753	53	53	53	90	73	90	73					
NAMA-0905	49863	TIDAL BASIN PARKING	PUBLIC	AS	53,893	73	73	90	73	97	97	73					
NAMA-0907	49865	NAMA HEADQUARTERS PARKING	PUBLIC	AS	17,167	73	73	90	90	97	97	90					
NAMA-0908	49866	OHIO DRIVE TENNIS COURT PARKING	PUBLIC	AS	5,413	73	73	90	90	90	97	90					
NAMA-0909AZ	49867	PARK POLICE ACCESS A	NONPUBLIC	AS	24,021	53	53	53	90	97	97	90					
NAMA-0909BZ	49867	PARK POLICE ACCESS B	NONPUBLIC	AS	5,781	53	73	53	73	97	97	73					
NAMA-0910	49868	GOLF COURSE PARKING	PUBLIC	AS	136,284	90	90	90	90	97	97	90					
NAMA-0911Z	49871	HAINS POINT PARKING #1	PUBLIC	AS	1,829	90	97	90	97	97	97	90					
NAMA-0912Z	49871	HAINS POINT PARKING #2	PUBLIC	AS	2,708	90	90	90	90	97	97	90					
NAMA-0913Z	49871	HAINS POINT PARKING #3	PUBLIC	AS	1,845	90	90	90	90	97	97	90					
NAMA-0914Z	49871	HAINS POINT PARKING #4	PUBLIC	AS	1,105	90	90	90	90	97	97	90					
NAMA-0915Z	49871	HAINS POINT PARKING #5	PUBLIC	AS	1,490	90	90	90	90	97	97	90					
NAMA-0916Z	49871	HAINS POINT PARKING #6	PUBLIC	AS	9,468	90	90	90	90	97	97	90					
NAMA-0917Z	49871	HAINS POINT PARKING #7	PUBLIC	AS	2,417	90	90	90	90	97	97	90					
NAMA-0918Z	49871	HAINS POINT PARKING #8	PUBLIC	AS	2,224	90	90	90	90	97	97	90					
NAMA-0919Z	49871	HAINS POINT PARKING #9	PUBLIC	AS	1,919	90	90	90	90	97	97	90					
NAMA-0920Z	49871	HAINS POINT PARKING #10	PUBLIC	AS	2,775	90	90	90	90	97	97	90					
NAMA-0921Z	49871	HAINS POINT PARKING #11	PUBLIC	AS	11,077	90	90	90	90	97	97	90					
NAMA-0922Z	49871	HAINS POINT PARKING #12	PUBLIC	AS	1,254	90	90	90	90	97	97	90					
NAMA-0923Z	49871	HAINS POINT PLAYGROUND PARKING	PUBLIC	AS	28,084	73	73	90	90	97	97	90					
NAMA-0924Z	49871	HAINS POINT PARKING #13	PUBLIC	AS	4,917	90	90	90	90	97	97	90					
NAMA-0925Z	49871	HAINS POINT PARKING #14	PUBLIC	AS	2,325	90	90	90	90	97	97	90					
NAMA-0926Z	49871	HAINS POINT PARKING #16	PUBLIC	AS	4,637	90	90	90	90	97	97	90					
NAMA-0928Z	49871	HAINS POINT PARKING #17	PUBLIC	AS	3,755	90	90	90	90	97	97	90					

Data Collection Date: 02/2018

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program

Parking Area Condition Summary Report

National Mall and Memorial Parks

Condition (Rating / Index) Legend

- EXCELLENT (97)
- GOOD (90)
- FAIR (73)
- POOR* (0, 30, 53)
- NR = NOT RATED

Notes:

- A PCR of 0 indicates a paved parking area in very poor condition. Individual distresses could not be identified.
- Additional details on individual parking areas can be found in Section 6 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

Condition Rating Details for Parking Areas

Route No.	FMSS No.	Route Name	User Access	Surf. Type	Area (Sq. Ft.)	Pavement Condition Rating (PCR)	Asphalt Surface Distresses: Alligator Cracking	Asphalt Surface Distresses: Longitudinal / Tranverse Cracking	Asphalt Surface Distresses: Rutting / Distortions	Asphalt Surface Distresses: Potholes / Patching	Asphalt Surface Distresses: HMA Patching	Asphalt Surface Distresses: Surface Raveling / Bleeding	Concrete Surface Distresses: Joint Faulting	Concrete Surface Distresses: Slab Cracking	Concrete Surface Distresses: Joint Distresses	Concrete Surface Distresses: Delamination / Pop-Outs	Concrete Surface Distresses: Potholes / Patching
NAMA-0929Z	49871	HAINS POINT PARKING #18	PUBLIC	AS	7,621	90	90	90	90	97	97	90					
NAMA-0930Z	49871	HAINS POINT PARKING #18 (RESTROOM PARKING)	PUBLIC	AS	812	73	90	90	90	97	73	90					
NAMA-0931Z	49871	HAINS POINT PARKING #19	PUBLIC	AS	4,640	90	90	90	90	97	97	90					
NAMA-0932Z	49871	HAINS POINT PARKING #20	PUBLIC	AS	5,228	90	90	90	90	97	97	90					
NAMA-0933Z	49871	HAINS POINT PARKING #21	PUBLIC	AS	4,065	90	90	90	90	97	97	90					
NAMA-0934Z	49871	HAINS POINT PARKING #22	PUBLIC	AS	2,398	90	90	90	90	97	97	90					
NAMA-0935Z	49871	HAINS POINT PARKING #23	PUBLIC	AS	3,119	90	90	90	90	97	97	90					
NAMA-0936Z	49871	HAINS POINT PARKING #24	PUBLIC	AS	1,429	90	90	90	90	97	97	90					
NAMA-0937Z	49871	HAINS POINT PARKING #25	PUBLIC	AS	1,547	90	90	90	90	97	97	90					
NAMA-0939A	40935	EAST POTOMAC PARK MAINTENANCE YARD	NONPUBLIC	AS	81,138	90	90	90	90	97	97	97					
NAMA-0939BAZ	49927	EAST POTOMAC PARK TOURMOBILE PARKING - FRONT	NONPUBLIC	AS	10,882	53	73	53	73	73	97	73					
NAMA-0939BBZ	49927	EAST POTOMAC PARK TOURMOBILE PARKING - BACK	NONPUBLIC	AS	26,127	73	73	90	90	90	97	90					
NAMA-0940	49929	BUCKEYE DRIVE TENNIS COURT PARKING	PUBLIC	AS	15,666	73	73	90	90	97	97	90					
NAMA-0941	49931	NATIONAL CAPITOL REGION HEADQUARTERS PARKING	PUBLIC	AS	181,489	73	73	90	90	97	97	90					
NAMA-0942	49933	EAST POTOMAC PARK BUS TURNAROUND	PUBLIC	AS	5,799	90	97	90	97	97	97	97					
NAMA-0943	49934	EAST POTOMAC PARK PARKING C	PUBLIC	AS	25,522	90	97	90	90	97	97	90					
NAMA-0944	49935	EAST POTOMAC PARK PARKING B	PUBLIC	AS	25,963	90	90	90	90	97	97	90					
NAMA-0945	49937	EAST POTOMAC PARK PARKING A	PUBLIC	AS	34,120	90	90	90	90	97	97	90					
NAMA-0946	N/A	FDR MEMORIAL HANDICAPPED PARKING	PUBLIC	AS	2,476	90	90	90	97	97	97	90					
NAMA-0947Z	49871	HAINS POINT PARKING #15	PUBLIC	AS	3,403	90	90	90	90	97	97	90					
NAMA-0957	89577	WORLD WAR II / HOMEFRONT DRIVE HANDICAPPED PARKING	PUBLIC	AS	25,963	90	90	90	90	90	90	90					
NAMA-0958	N/A	JEFFERSON MEMORIAL CLOSED PARKING	NONPUBLIC	AS	37,896	90	90	90	97	97	97	97					

Data Collection Date: 02/2018

Section 4
Park Route Location Maps

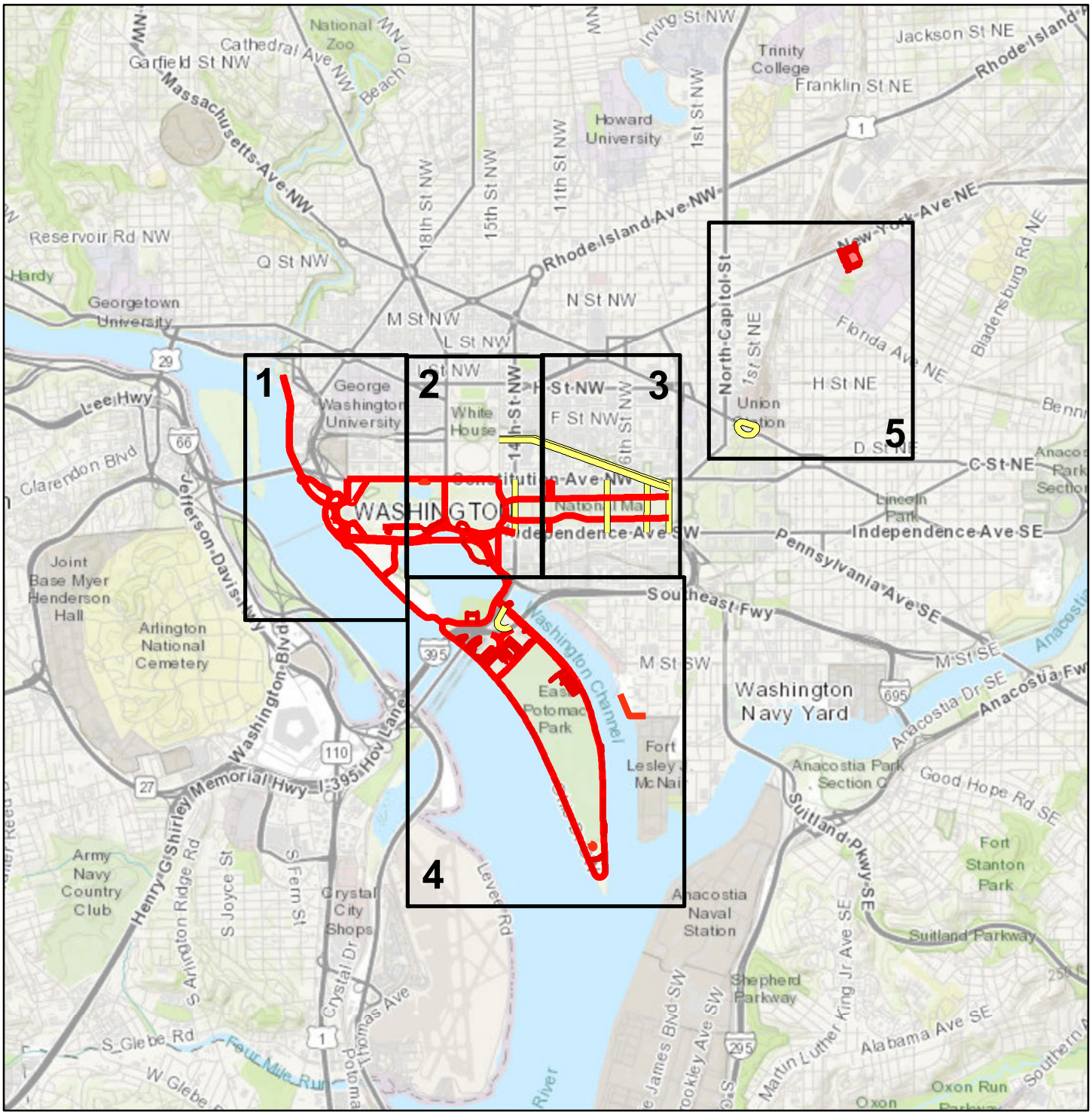
National Mall and Memorial Parks

Federal Lands Highway
Road Inventory Program

National Mall and Memorial Parks

ROUTE LOCATION MAP

Key Map



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

NPS Collected Routes

Non-NPS Collected Routes

Miles

0 2.5 5

N

National Mall and Memorial Parks

ROUTE LOCATION MAP

Area Map 1

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

0 0.5 1

N

National Mall and Memorial Parks

ROUTE LOCATION MAP

Area Map 2

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

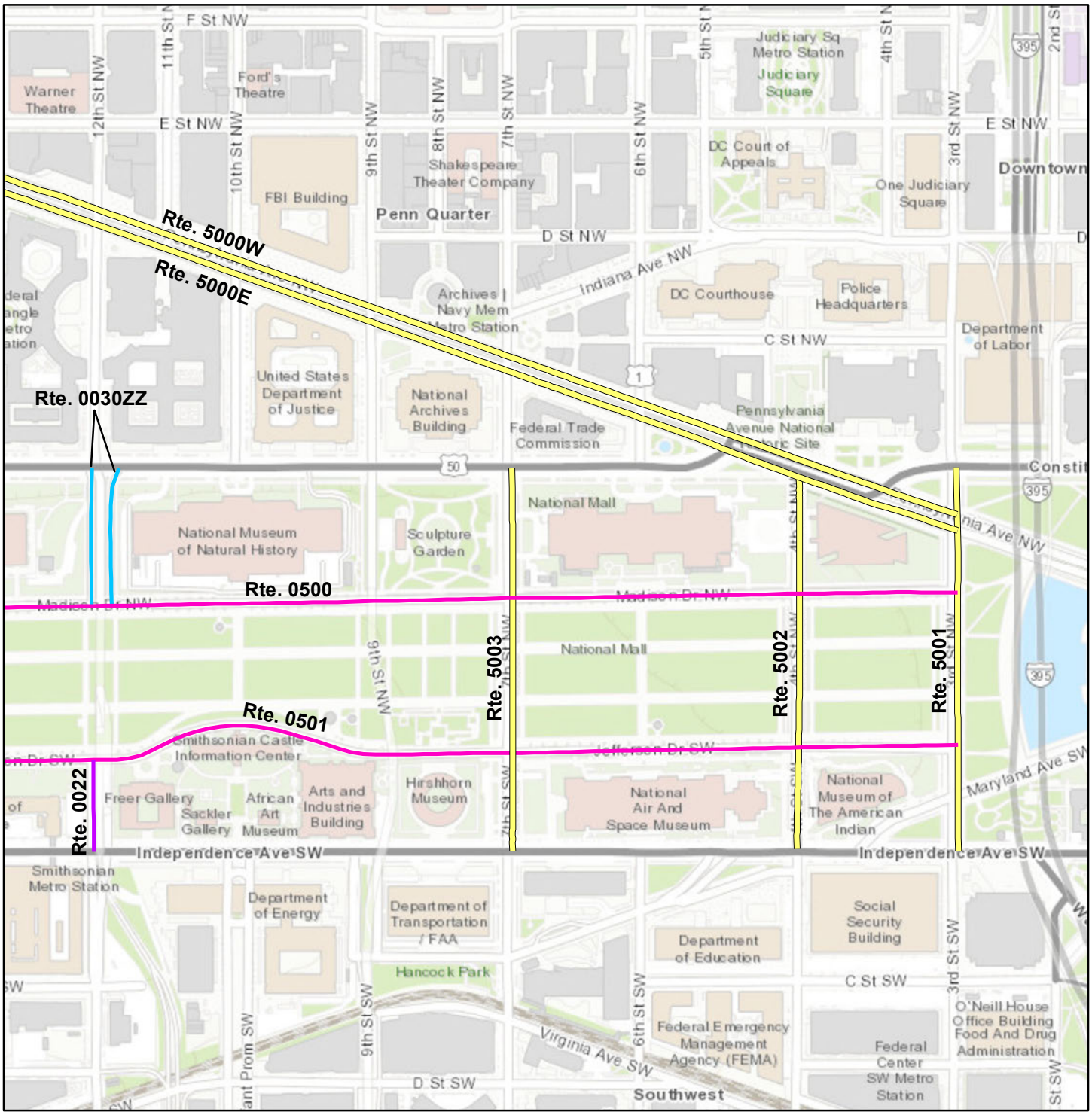
0 0.25 0.5

N

National Mall and Memorial Parks

ROUTE LOCATION MAP

Area Map 3



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

0 0.25 0.5

N

National Mall and Memorial Parks

ROUTE LOCATION MAP

Area Map 4

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

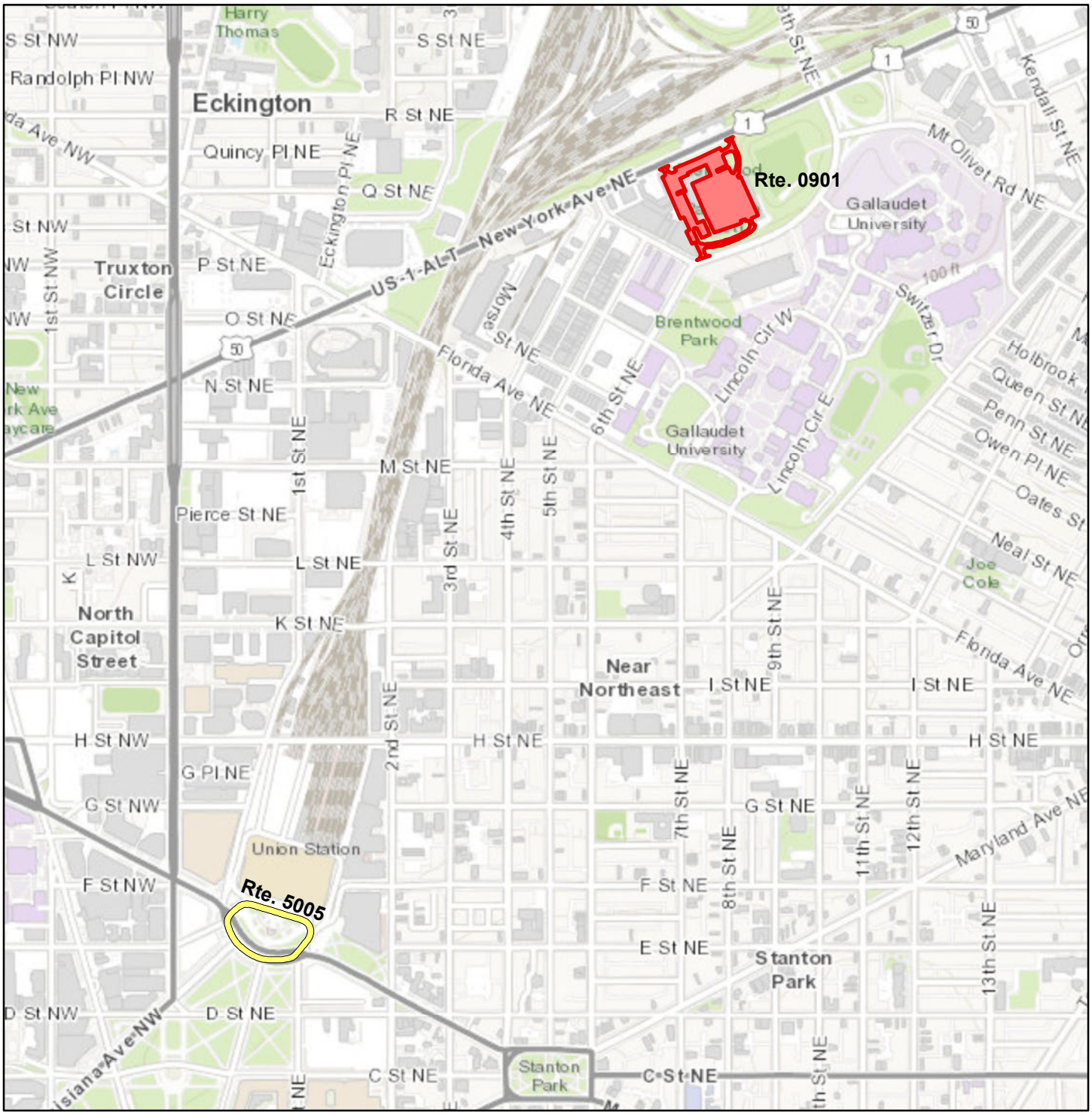
0 0.5 1

N

National Mall and Memorial Parks

ROUTE LOCATION MAP

Area Map 5



Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

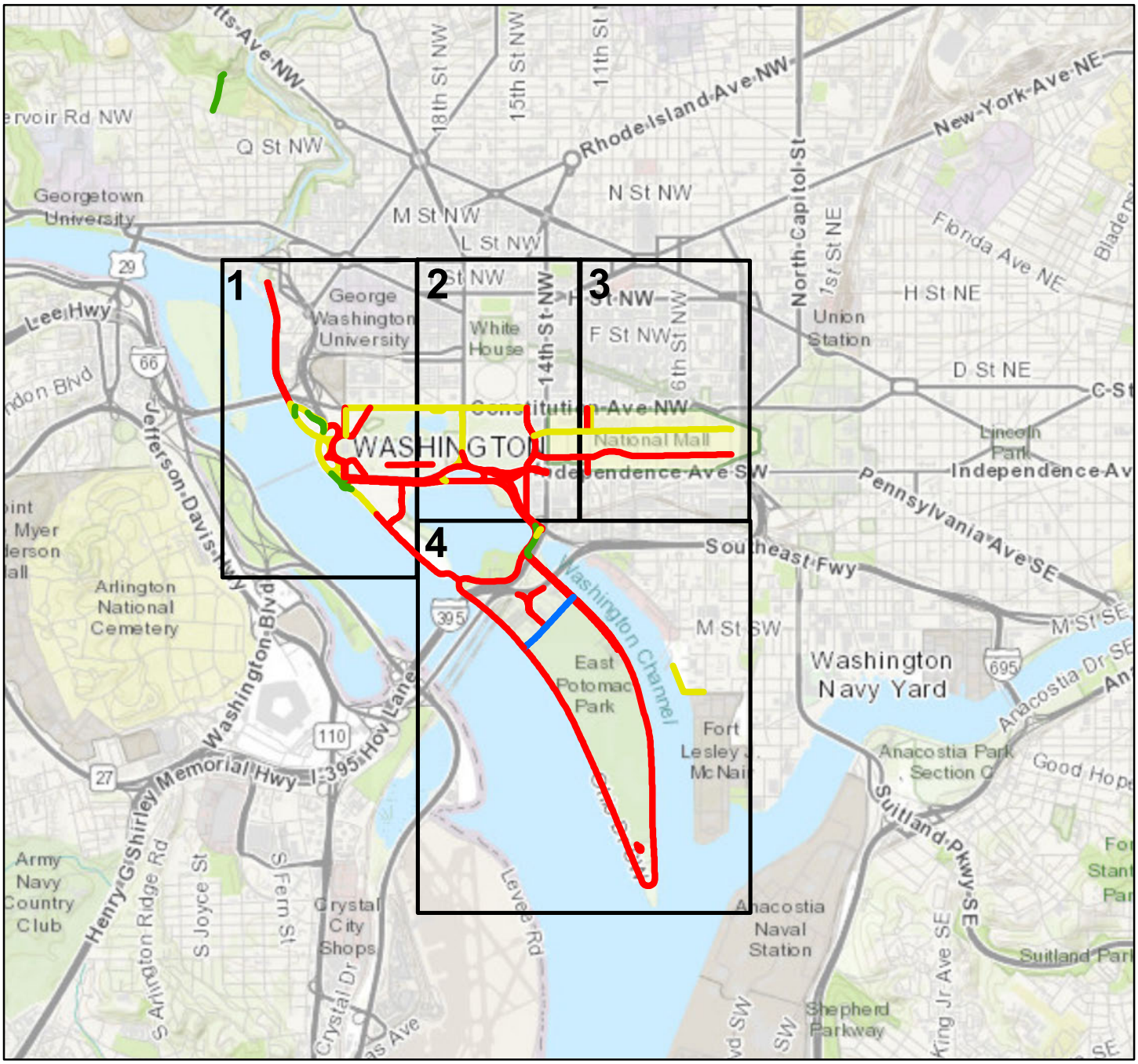
Miles

0 0.5 1

N

National Mall and Memorial Parks

ROUTE CONDITION MAP
PCR - MILE BY MILE
Key Map



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles

0 2.5 5

N

National Mall and Memorial Parks

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 1

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

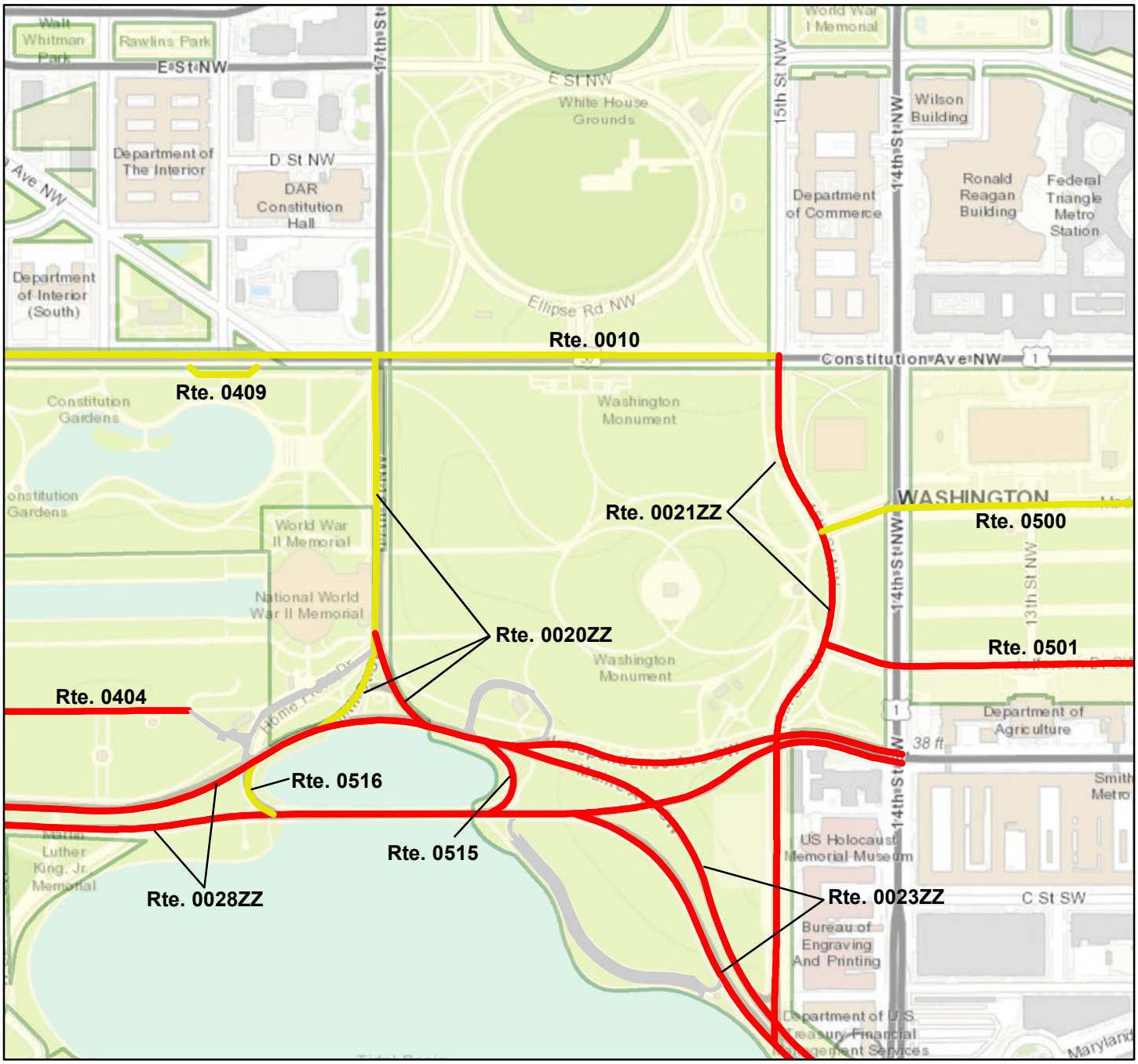
Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 0.5 1

N

National Mall and Memorial Parks

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 2



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

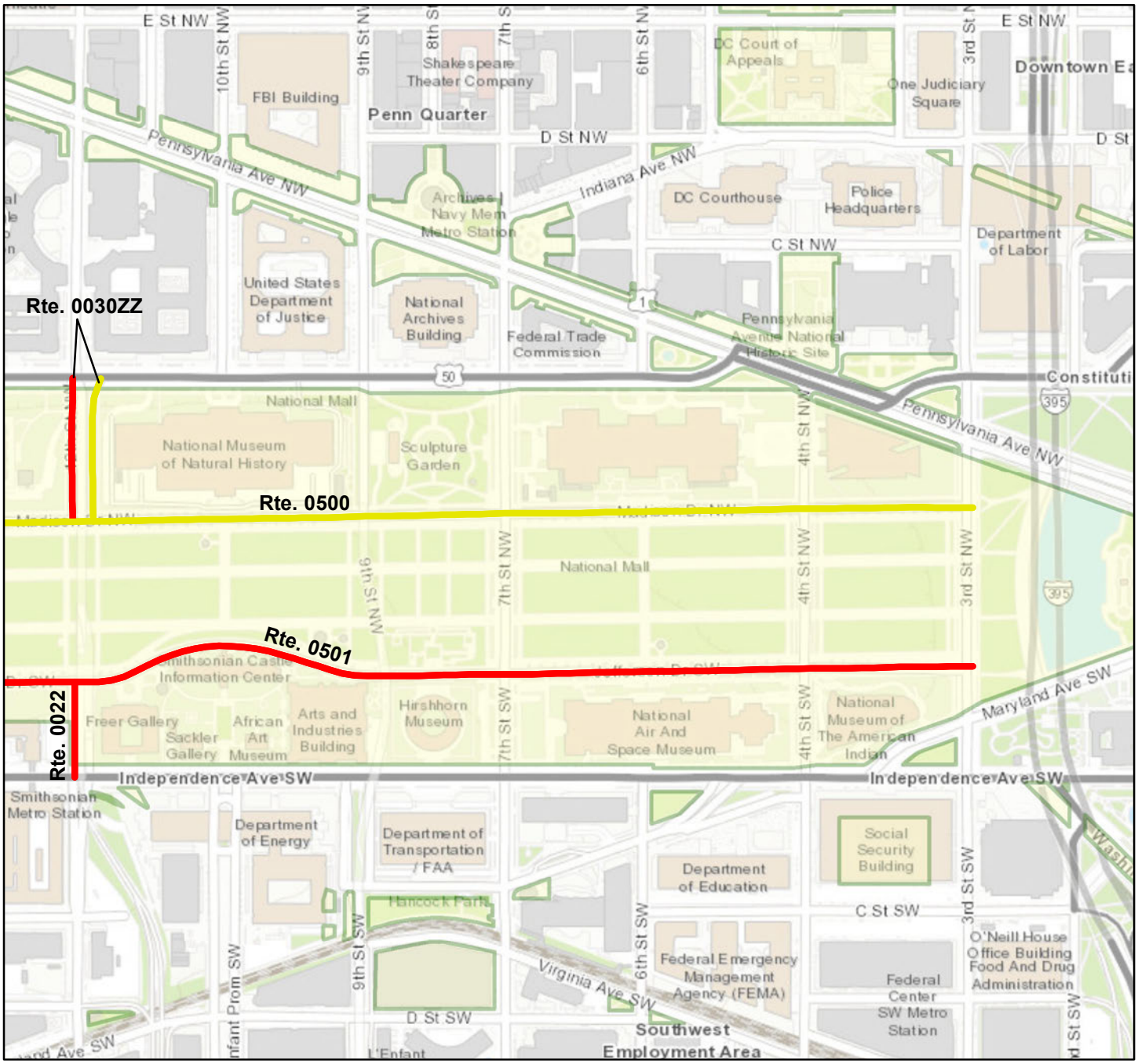
Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 0.25 0.5

N

National Mall and Memorial Parks

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 3



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 0.25 0.5

N

National Mall and Memorial Parks

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 4

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 0.5 1

N

Section 5
Paved Road Condition Rating Sheets

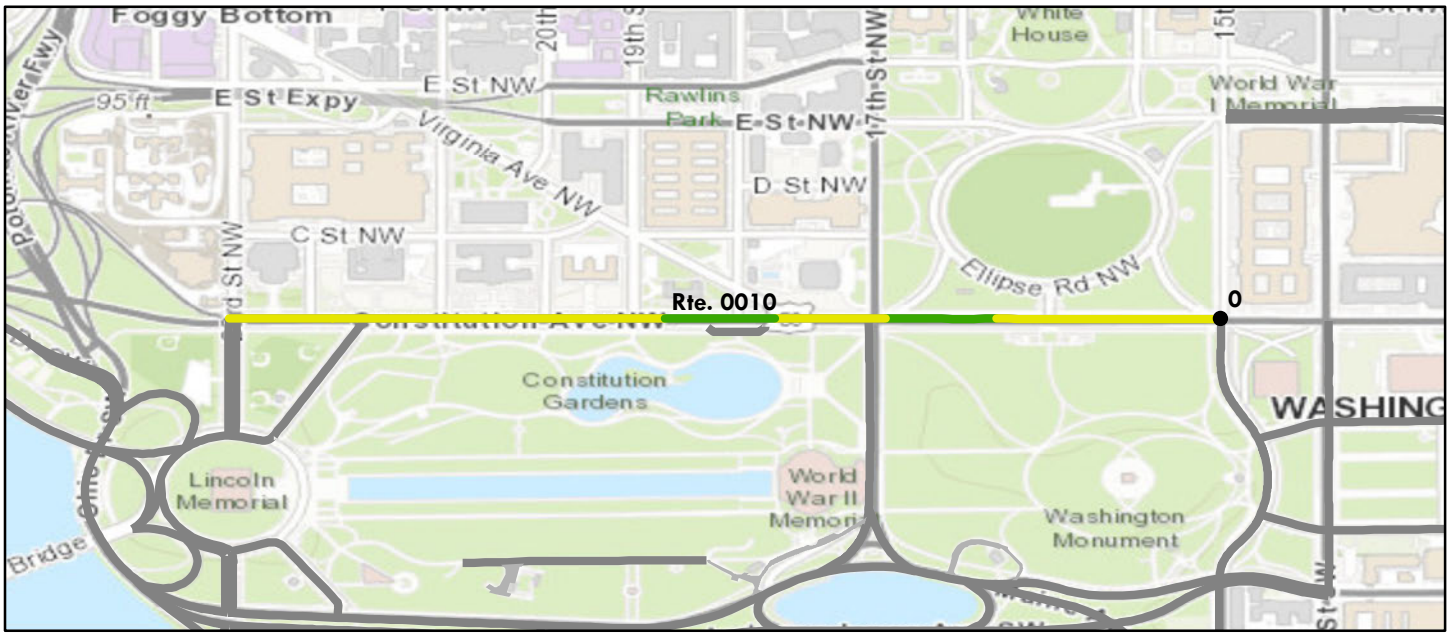
National Mall and Memorial Parks

Federal Lands Highway
Road Inventory Program

National Mall and Memorial Parks

ROUTE 0010: CONSTITUTION AVENUE NW

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0					
Paved Length (Miles): 0.88	**Section Length (MI)**	0.88					
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	77	77					
Surface Condition Rating (SCR)	81	81					
Roughness Condition Index (RCI)	72	72					
Distress Index Values							
Structural Crack Index	93	93					
Alligator Crack Index	100	100					
Longitudinal Crack Index	93	93					
Transverse Cracking Index	81	81					
Patching Index	99	99					
Rutting Index	97	97					
International Roughness Index (IRI)	194	194					
Lane & Width Information							
Number of Lanes	8	8					
Paved Width (ft)	78.2	78.2					
Lane Width (ft)	9.8	9.8					

National Mall and Memorial Parks

ROUTE 0011ZZ: OHIO DRIVE SW

Summary Route

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

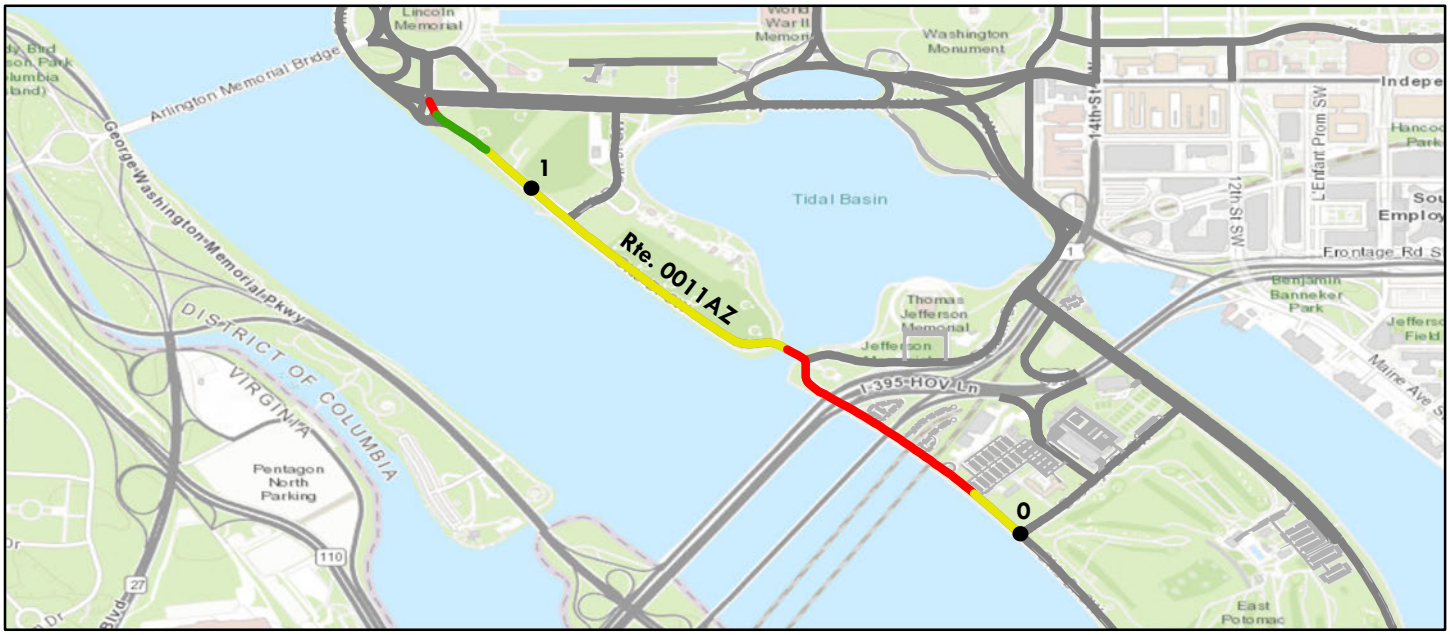
Inspection Date:	6/14/2018						
Paved Length (Miles):	2.05						
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		68					
Lane & Width Information							
Number of Lanes		2					
Paved Width (ft)		38.3					
Lane Width (ft)		12					

National Mall and Memorial Parks

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

Subcomponent of Route NAMA-0011ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0	1			
Paved Length (Miles): 1.22	**Section Length (MI)**	1	0.22			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	60	56	83			
Surface Condition Rating (SCR)	61	56	83			
Roughness Condition Index (RCI)	59	55	83			
Distress Index Values						
Structural Crack Index	61	56	83			
Alligator Crack Index	92	90	100			
Longitudinal Crack Index	69	66	83			
Transverse Cracking Index	71	64	100			
Patching Index	100	100	100			
Rutting Index	91	93	83			
International Roughness Index (IRI)	243	261	159			
Lane & Width Information						
Number of Lanes	3	2	3			
Paved Width (ft)	38.1	37.1	42.9			
Lane Width (ft)	11.7	11.6	12.2			

National Mall and Memorial Parks

ROUTE 0011BZ: OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY)

Subcomponent of Route NAMA-0011ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

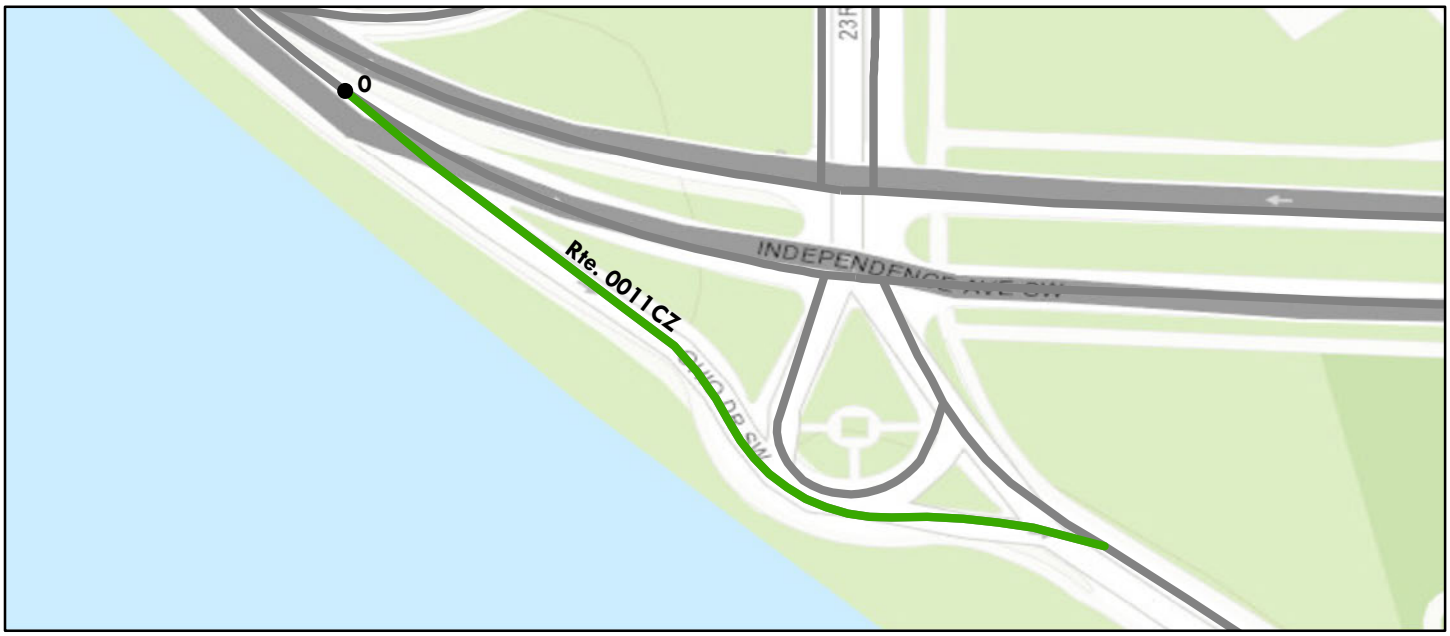
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.53	**Section Length (MI)**	0.53				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	78	78				
Surface Condition Rating (SCR)	84	84				
Roughness Condition Index (RCI)	68	68				
Distress Index Values						
Structural Crack Index	84	84				
Alligator Crack Index	100	100				
Longitudinal Crack Index	84	84				
Transverse Cracking Index	95	95				
Patching Index	100	100				
Rutting Index	98	98				
International Roughness Index (IRI)	210	210				
Lane & Width Information						
Number of Lanes	4	4				
Paved Width (ft)	47	47				
Lane Width (ft)	10.5	10.5				

National Mall and Memorial Parks

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

Subcomponent of Route NAMA-0011ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

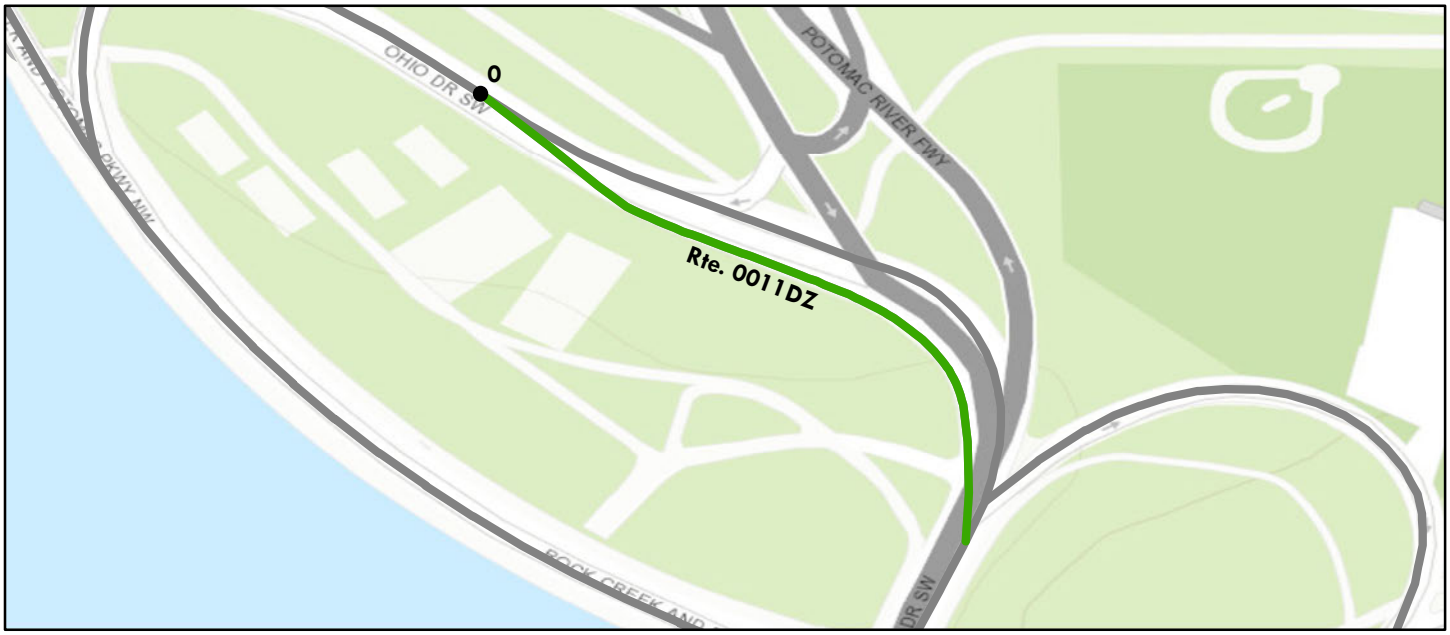
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.1	**Section Length (MI)**	0.1				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	90	90				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	90	90				
Alligator Crack Index	100	100				
Longitudinal Crack Index	90	90				
Transverse Cracking Index	97	97				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	25.1	25.1				
Lane Width (ft)	25.1	25.1				

National Mall and Memorial Parks

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

Subcomponent of Route NAMA-0011ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

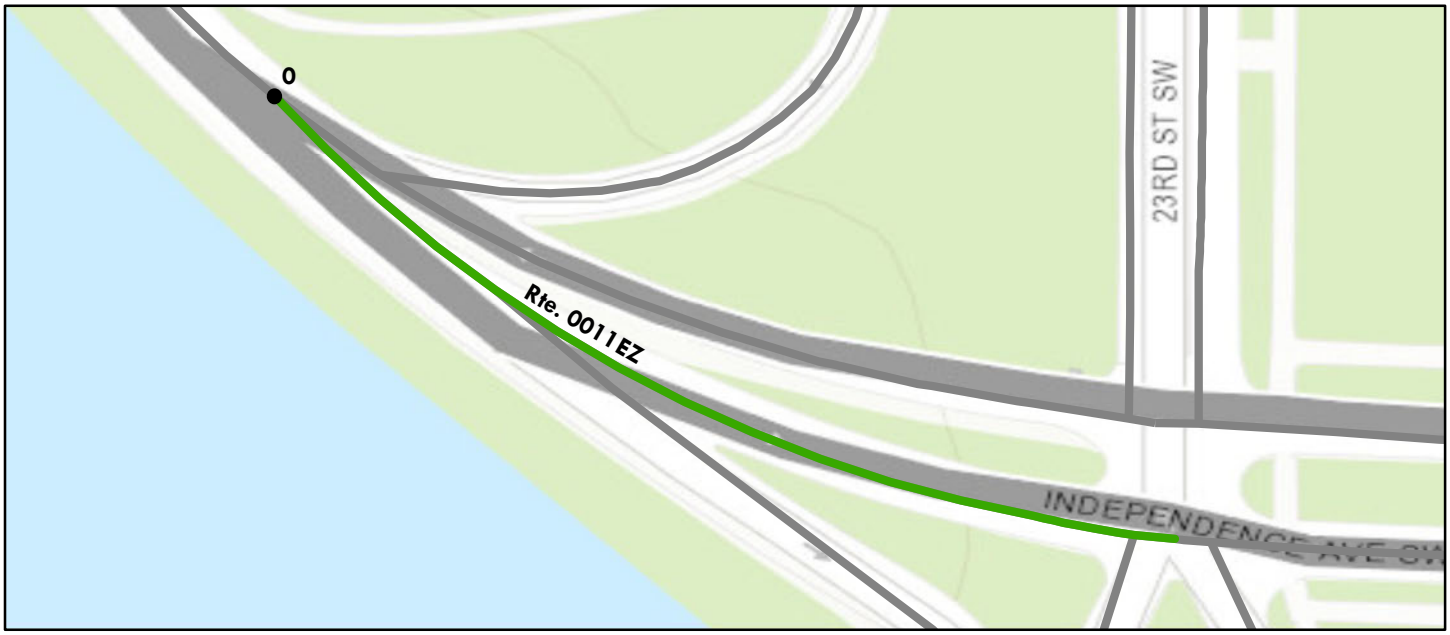
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.1	**Section Length (MI)**	0.1				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	89	89				
Surface Condition Rating (SCR)	89	89				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	89	89				
Alligator Crack Index	100	100				
Longitudinal Crack Index	89	89				
Transverse Cracking Index	89	89				
Patching Index	99	99				
Rutting Index	98	98				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	13.8	13.8				
Lane Width (ft)	12.8	12.8				

National Mall and Memorial Parks

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

Subcomponent of Route NAMA-0011ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.1	**Section Length (MI)**	0.1				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	85	85				
Surface Condition Rating (SCR)	85	85				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	85	85				
Alligator Crack Index	100	100				
Longitudinal Crack Index	85	85				
Transverse Cracking Index	98	98				
Patching Index	100	100				
Rutting Index	98	98				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	3	3				
Paved Width (ft)	33.8	33.8				
Lane Width (ft)	10.3	10.3				

National Mall and Memorial Parks

ROUTE 0012ZZ: EAST BASIN DRIVE SW

Summary Route

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 6/14/2018							
Paved Length (Miles): 0.76							
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	55						
Lane & Width Information							
Number of Lanes	2						
Paved Width (ft)	22.9						
Lane Width (ft)	14						

National Mall and Memorial Parks

ROUTE 0012AZ: EAST BASIN DRIVE SW (WESTBOUND)

Subcomponent of Route NAMA-0012ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

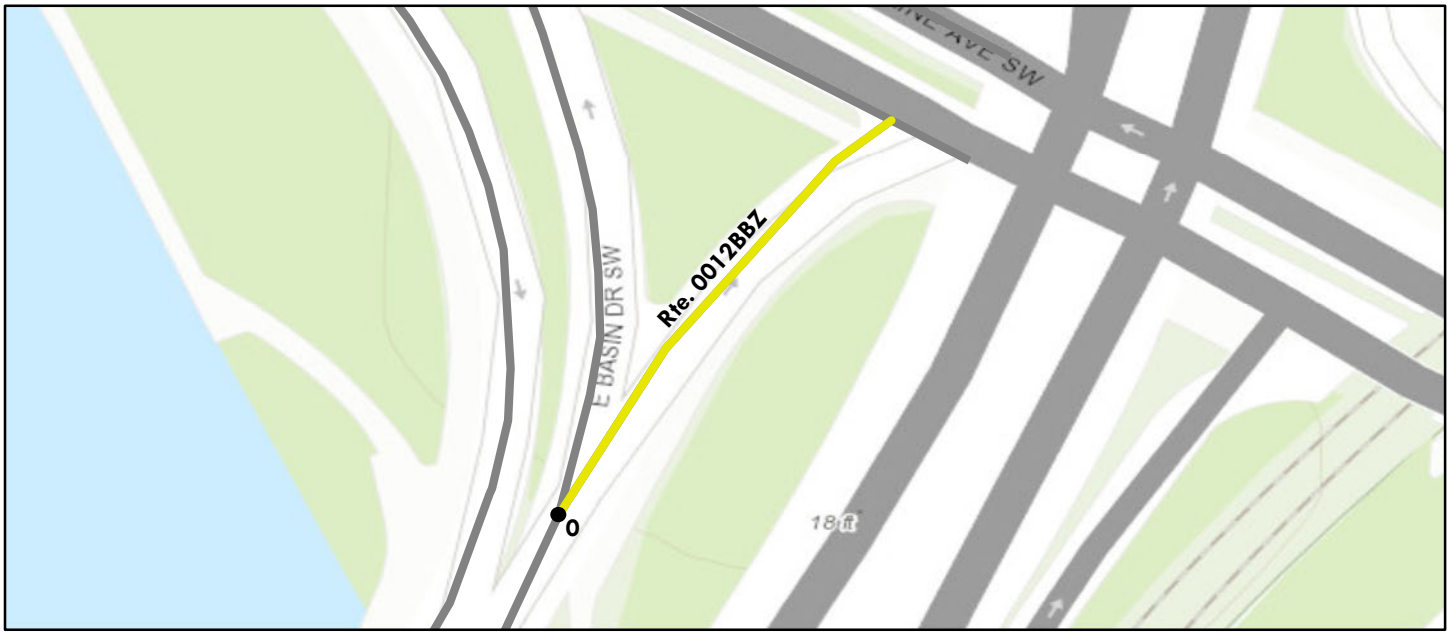
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.57	**Section Length (MI)**	0.57				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	47	47				
Surface Condition Rating (SCR)	37	37				
Roughness Condition Index (RCI)	62	62				
Distress Index Values						
Structural Crack Index	37	37				
Alligator Crack Index	96	96				
Longitudinal Crack Index	41	41				
Transverse Cracking Index	62	62				
Patching Index	98	98				
Rutting Index	95	95				
International Roughness Index (IRI)	230	230				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	23.7	23.7				
Lane Width (ft)	14.8	14.8				

National Mall and Memorial Parks

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

Subcomponent of Route NAMA-0012ZZ

Data Collection Vehicle (DCV) Rating



Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.03	**Section Length (MI)**	0.03				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	68	68				
Surface Condition Rating (SCR)	68	68				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	74	74				
Alligator Crack Index	100	100				
Longitudinal Crack Index	74	74				
Transverse Cracking Index	68	68				
Patching Index	100	100				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	19.3	19.3				
Lane Width (ft)	19.3	19.3				

National Mall and Memorial Parks

ROUTE 0012BZ: EAST BASIN DRIVE SW (EASTBOUND)

Subcomponent of Route NAMA-0012ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.16	**Section Length (MI)**	0.16				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	88	88				
Surface Condition Rating (SCR)	88	88				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	89	89				
Alligator Crack Index	100	100				
Longitudinal Crack Index	89	89				
Transverse Cracking Index	88	88				
Patching Index	97	97				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	20.8	20.8				
Lane Width (ft)	10.4	10.4				

National Mall and Memorial Parks

ROUTE 0013: BUCKEYE DRIVE SW

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

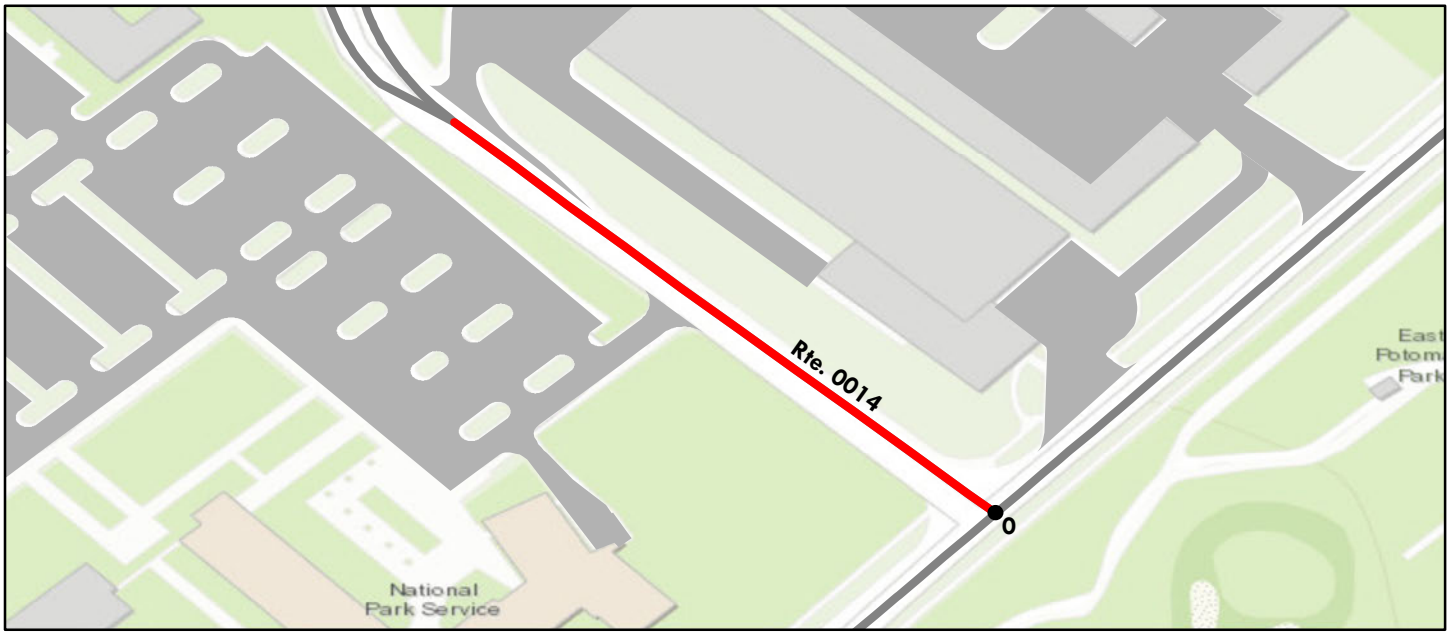
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.34	**Section Length (MI)**	0.34				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	99	99				
Surface Condition Rating (SCR)	99	99				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	22.3	22.3				
Lane Width (ft)	11.3	11.3				

National Mall and Memorial Parks

ROUTE 0014: NAMA - MAIN STREET

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.09	**Section Length (MI)**	0.09				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	0	0				
Longitudinal Crack Index	0	0				
Transverse Cracking Index	0	0				
Patching Index	96	96				
Rutting Index	91	91				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	24.2	24.2				
Lane Width (ft)	11.3	11.3				

National Mall and Memorial Parks

ROUTE 0016ZZ: ROCK CREEK AND POTOMAC PARKWAY

Summary Route

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 6/14/2018	
Paved Length (Miles): 1.21	
Surface Type: ASPHALT	**Route Summary**
Roadway Condition Information	
Pavement Condition Rating (PCR)	46
Lane & Width Information	
Number of Lanes	2
Paved Width (ft)	22.2
Lane Width (ft)	10.1

National Mall and Memorial Parks

ROUTE 0016AZ: ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND)

Subcomponent of Route NAMA-0016ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

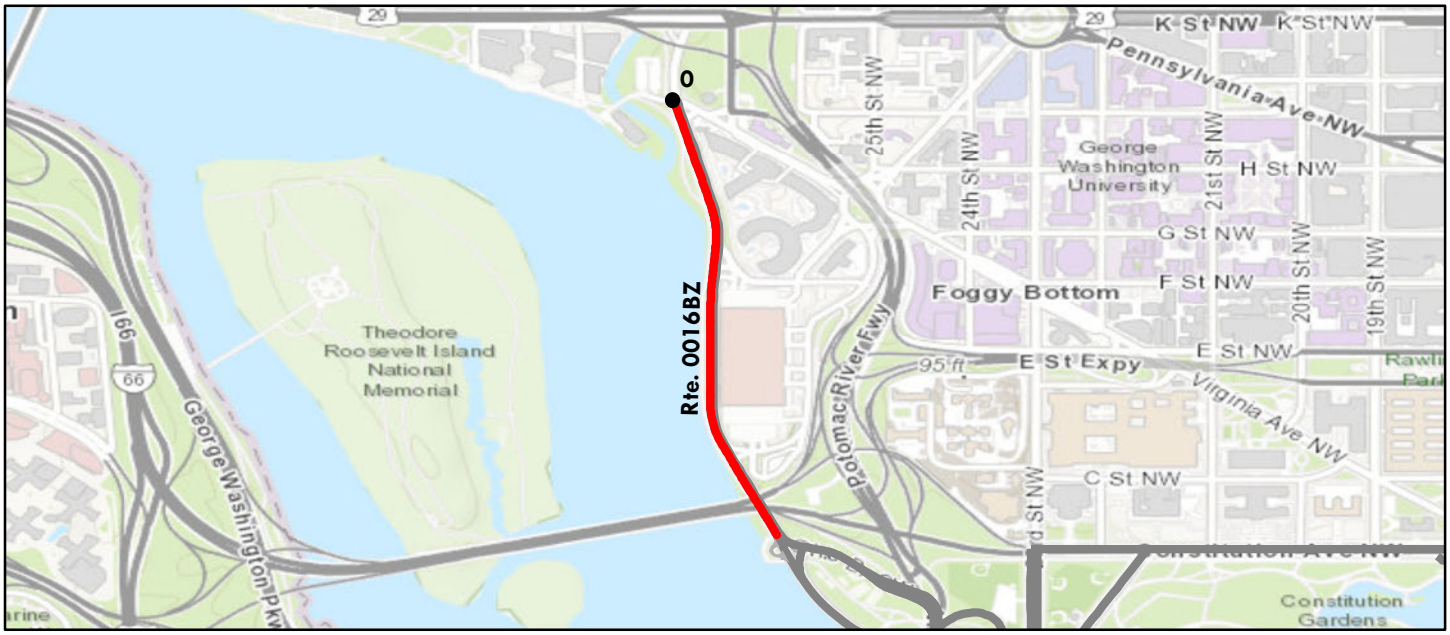
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.6	**Section Length (MI)**	0.6				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	51	51				
Surface Condition Rating (SCR)	41	41				
Roughness Condition Index (RCI)	65	65				
Distress Index Values						
Structural Crack Index	41	41				
Alligator Crack Index	99	99				
Longitudinal Crack Index	42	42				
Transverse Cracking Index	48	48				
Patching Index	98	98				
Rutting Index	90	90				
International Roughness Index (IRI)	218	218				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	20.6	20.6				
Lane Width (ft)	9.7	9.7				

National Mall and Memorial Parks

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

Subcomponent of Route NAMA-0016ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.6	**Section Length (MI)**	0.6				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	41	41				
Surface Condition Rating (SCR)	19	19				
Roughness Condition Index (RCI)	73	73				
Distress Index Values						
Structural Crack Index	38	38				
Alligator Crack Index	100	100				
Longitudinal Crack Index	38	38				
Transverse Cracking Index	19	19				
Patching Index	96	96				
Rutting Index	92	92				
International Roughness Index (IRI)	190	190				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	23.8	23.8				
Lane Width (ft)	10.5	10.5				

National Mall and Memorial Parks

ROUTE 0017ZZ: PARKWAY DRIVE NW AND SPURS

Summary Route

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	6/14/2018
Paved Length (Miles):	0.39
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	79
Lane & Width Information	
Number of Lanes	2
Paved Width (ft)	31.4
Lane Width (ft)	18.4

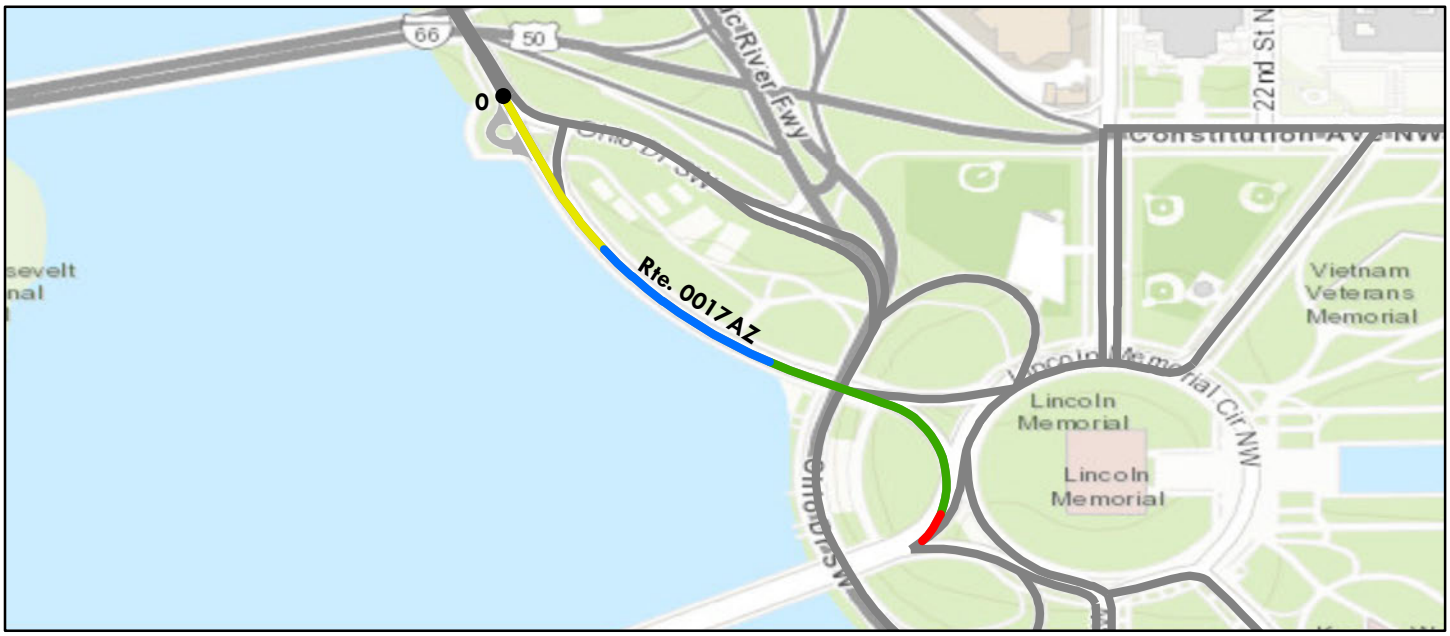
Route Summary

National Mall and Memorial Parks

ROUTE 0017AZ: PARKWAY DRIVE NW

Subcomponent of Route NAMA-0017ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.31	**Section Length (MI)**	0.31				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	80	80				
Surface Condition Rating (SCR)	80	80				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	80	80				
Alligator Crack Index	100	100				
Longitudinal Crack Index	80	80				
Transverse Cracking Index	95	95				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	34.2	34.2				
Lane Width (ft)	17.9	17.9				

National Mall and Memorial Parks

ROUTE 0017BZ: PARKWAY DRIVE RAMP TO OHIO DRIVE

Subcomponent of Route NAMA-0017ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

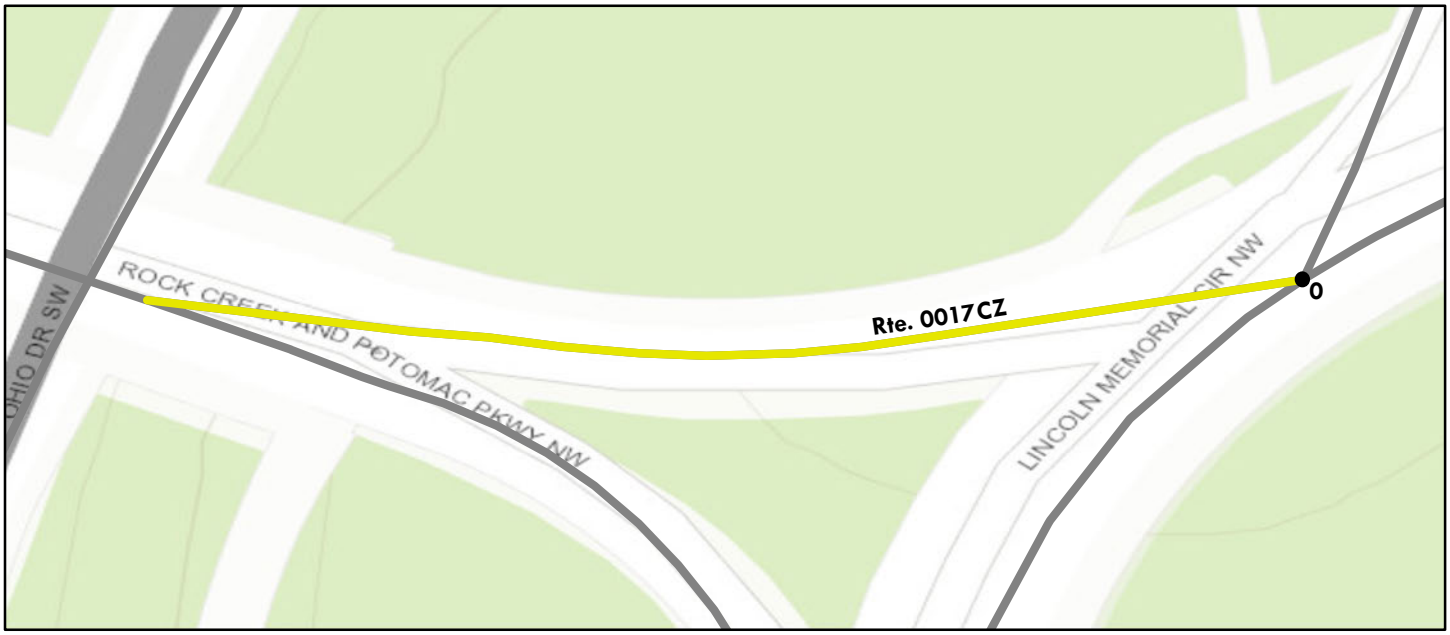
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.03	**Section Length (MI)**	0.03				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	89	89				
Surface Condition Rating (SCR)	89	89				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	98	98				
Patching Index	100	100				
Rutting Index	89	89				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	16.2	16.2				
Lane Width (ft)	15.5	15.5				

National Mall and Memorial Parks

ROUTE 0017CZ: LINCOLN MEMORIAL CIRCLE SPUR TO PARKWAY DRIVE

Subcomponent of Route NAMA-0017ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

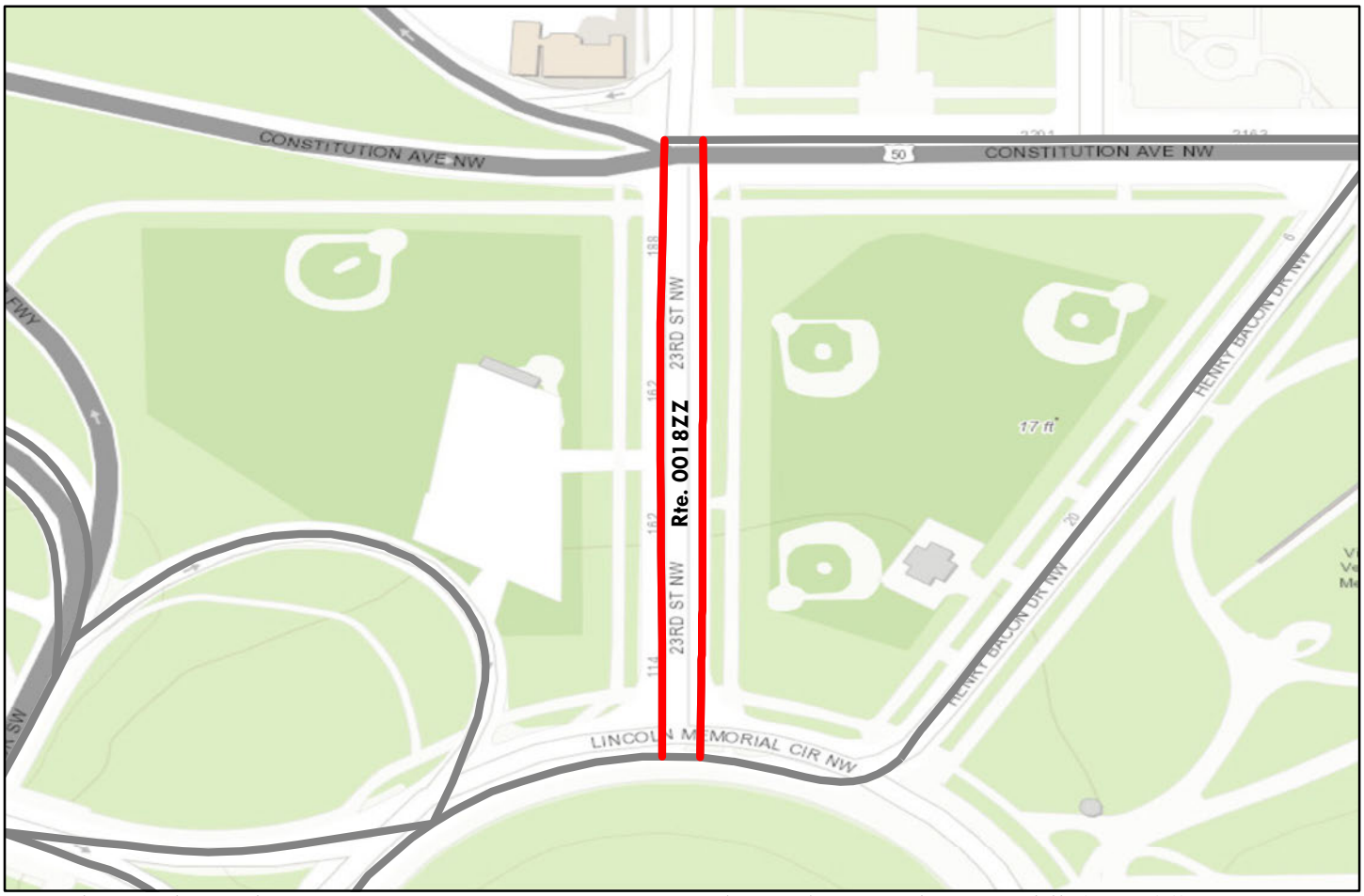
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.05	**Section Length (MI)**	0.05				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	66	66				
Surface Condition Rating (SCR)	66	66				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	66	66				
Alligator Crack Index	100	100				
Longitudinal Crack Index	66	66				
Transverse Cracking Index	97	97				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	23	23				
Lane Width (ft)	23	23				

National Mall and Memorial Parks

ROUTE 0018ZZ: 23RD STREET NW

Summary Route



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

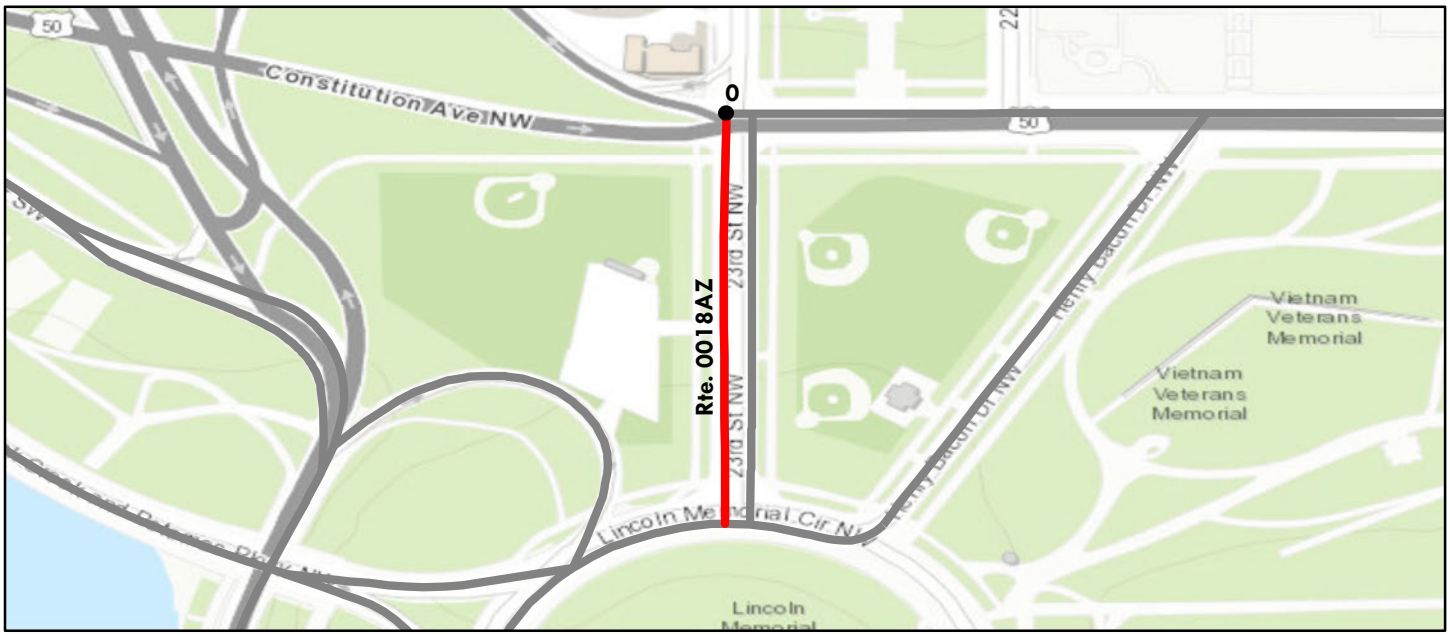
Inspection Date:	6/14/2018						
Paved Length (Miles):	0.22						
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		31					
Lane & Width Information							
Number of Lanes		4					
Paved Width (ft)		27.5					
Lane Width (ft)		11					

National Mall and Memorial Parks

ROUTE 0018AZ: 23RD STREET NW (SOUTHBOUND)

Subcomponent of Route NAMA-0018ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

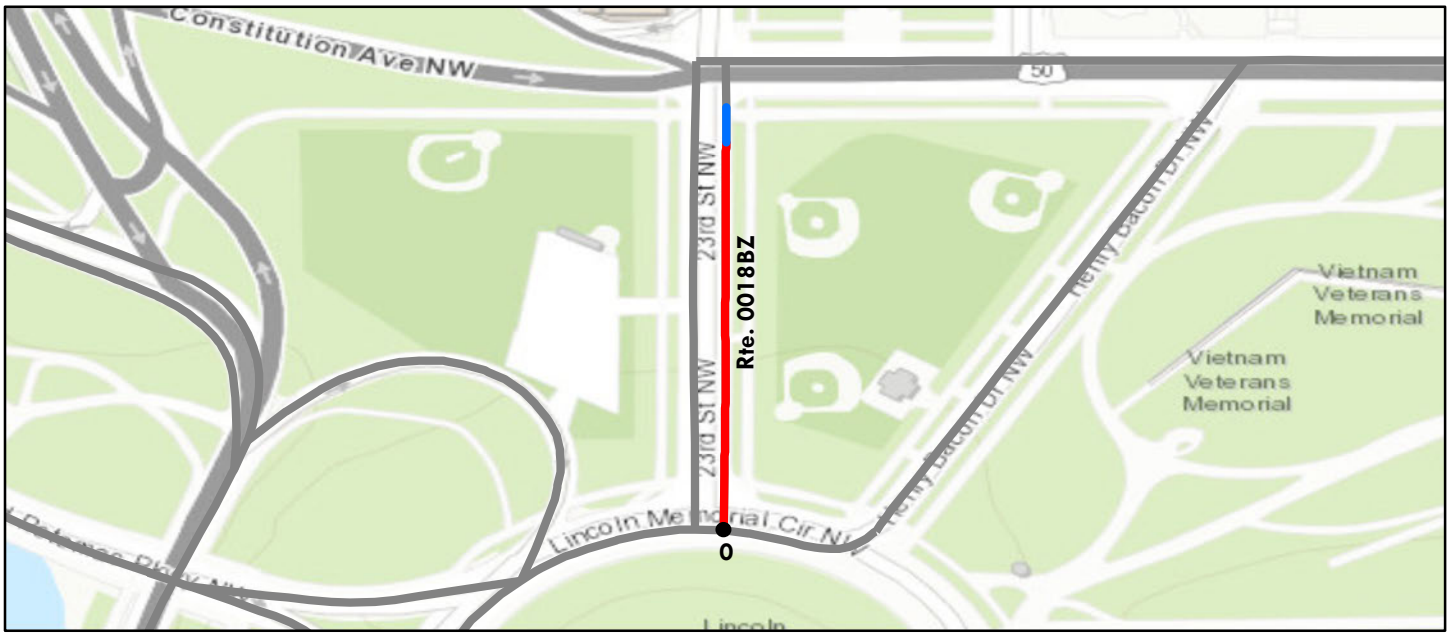
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.11	**Section Length (MI)**	0.11				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	99	99				
Longitudinal Crack Index	0	0				
Transverse Cracking Index	45	45				
Patching Index	99	99				
Rutting Index	90	90				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	3				
Paved Width (ft)	27.9	27.9				
Lane Width (ft)	9.8	9.8				

National Mall and Memorial Parks

ROUTE 0018BZ: 23RD STREET NW (NORTHBOUND)

Subcomponent of Route NAMA-0018ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

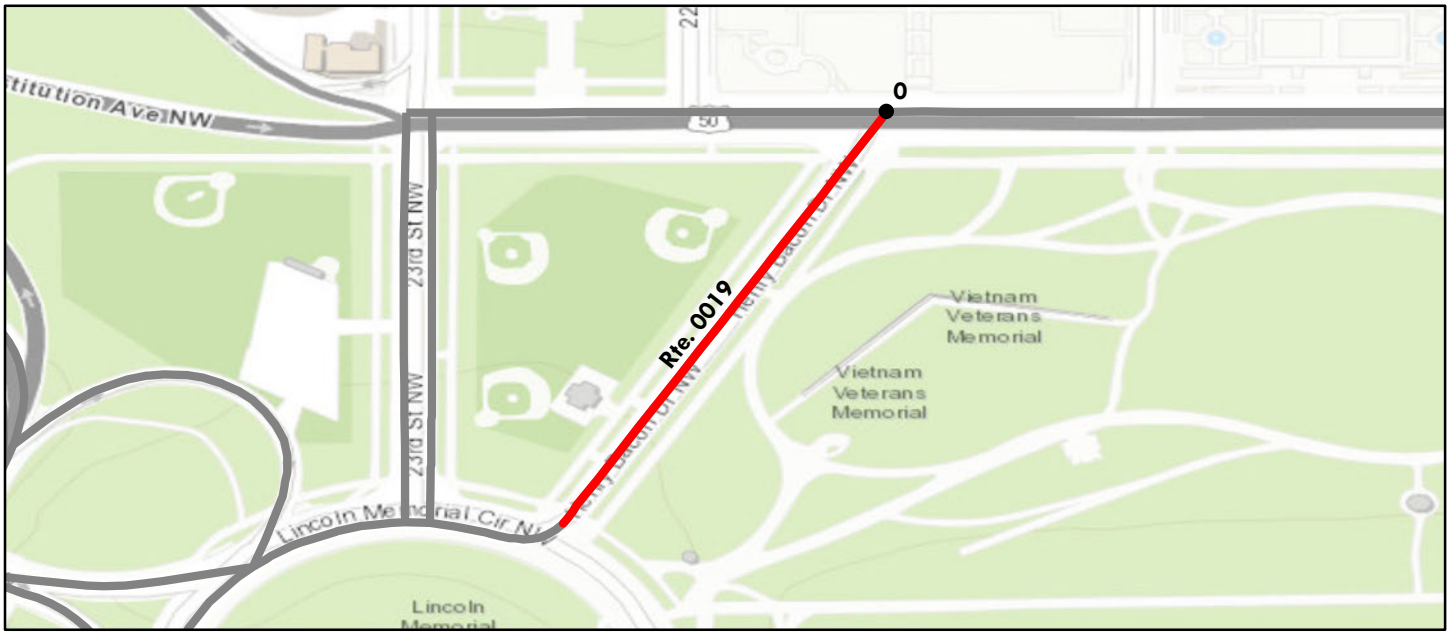
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.11	**Section Length (MI)**	0.11				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	62	62				
Surface Condition Rating (SCR)	62	62				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	62	62				
Alligator Crack Index	100	100				
Longitudinal Crack Index	62	62				
Transverse Cracking Index	79	79				
Patching Index	100	100				
Rutting Index	96	96				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	27.2	27.2				
Lane Width (ft)	12.2	12.2				

National Mall and Memorial Parks

ROUTE 0019: HENRY BACON DRIVE NW

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

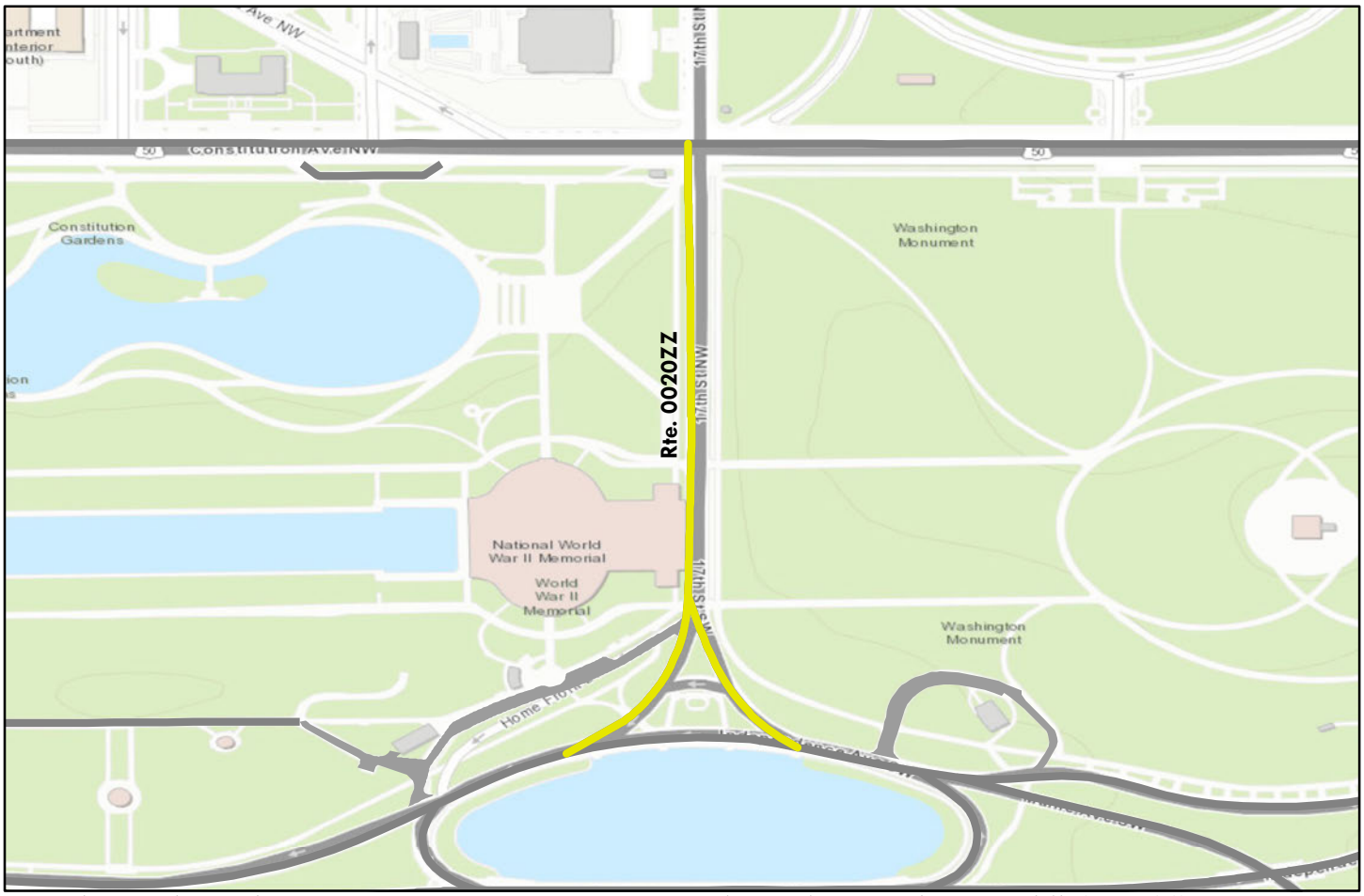
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.15	**Section Length (MI)**	0.15				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	13	13				
Surface Condition Rating (SCR)	13	13				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	13	13				
Alligator Crack Index	99	99				
Longitudinal Crack Index	14	14				
Transverse Cracking Index	51	51				
Patching Index	100	100				
Rutting Index	100	100				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	4	4				
Paved Width (ft)	39.5	39.5				
Lane Width (ft)	9.4	9.4				

National Mall and Memorial Parks

ROUTE 0020ZZ: 17TH STREET NW AND SW

Summary Route



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

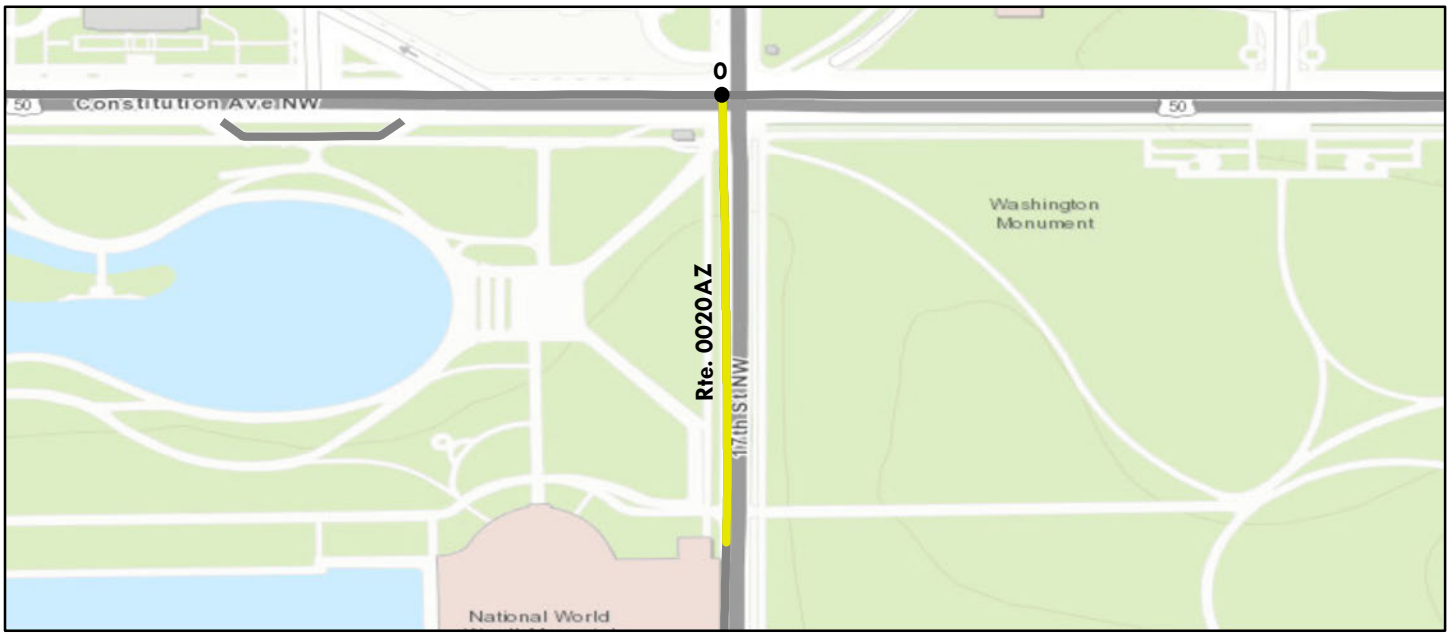
Inspection Date:	6/14/2018						
Paved Length (Miles):	0.35						
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		66					
Lane & Width Information							
Number of Lanes		4					
Paved Width (ft)		36.9					
Lane Width (ft)		11.5					

National Mall and Memorial Parks

ROUTE 0020AZ: 17TH STREET NW (SOUTHBOUND)

Subcomponent of Route NAMA-0020ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0					
Paved Length (Miles): 0.15	**Section Length (MI)**	0.15					
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	68	68					
Surface Condition Rating (SCR)	68	68					
Roughness Condition Index (RCI)	N/A	N/A					
Distress Index Values							
Structural Crack Index	87	87					
Alligator Crack Index	100	100					
Longitudinal Crack Index	87	87					
Transverse Cracking Index	68	68					
Patching Index	93	93					
Rutting Index	93	93					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	4	4					
Paved Width (ft)	37.1	37.1					
Lane Width (ft)	10.8	10.8					

National Mall and Memorial Parks

ROUTE 0020BZ: 17TH STREET SW (NORTHBOUND SPUR FROM INDEPENDENCE AVENUE)

Subcomponent of Route NAMA-0020ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.07	**Section Length (MI)**	0.07				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	32	32				
Surface Condition Rating (SCR)	32	32				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	44	44				
Alligator Crack Index	100	100				
Longitudinal Crack Index	44	44				
Transverse Cracking Index	32	32				
Patching Index	100	100				
Rutting Index	96	96				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	30.8	30.8				
Lane Width (ft)	13.1	13.1				

National Mall and Memorial Parks

ROUTE 0020CZ: 17TH STREET SW (SOUTHBOUND)

Subcomponent of Route NAMA-0020ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

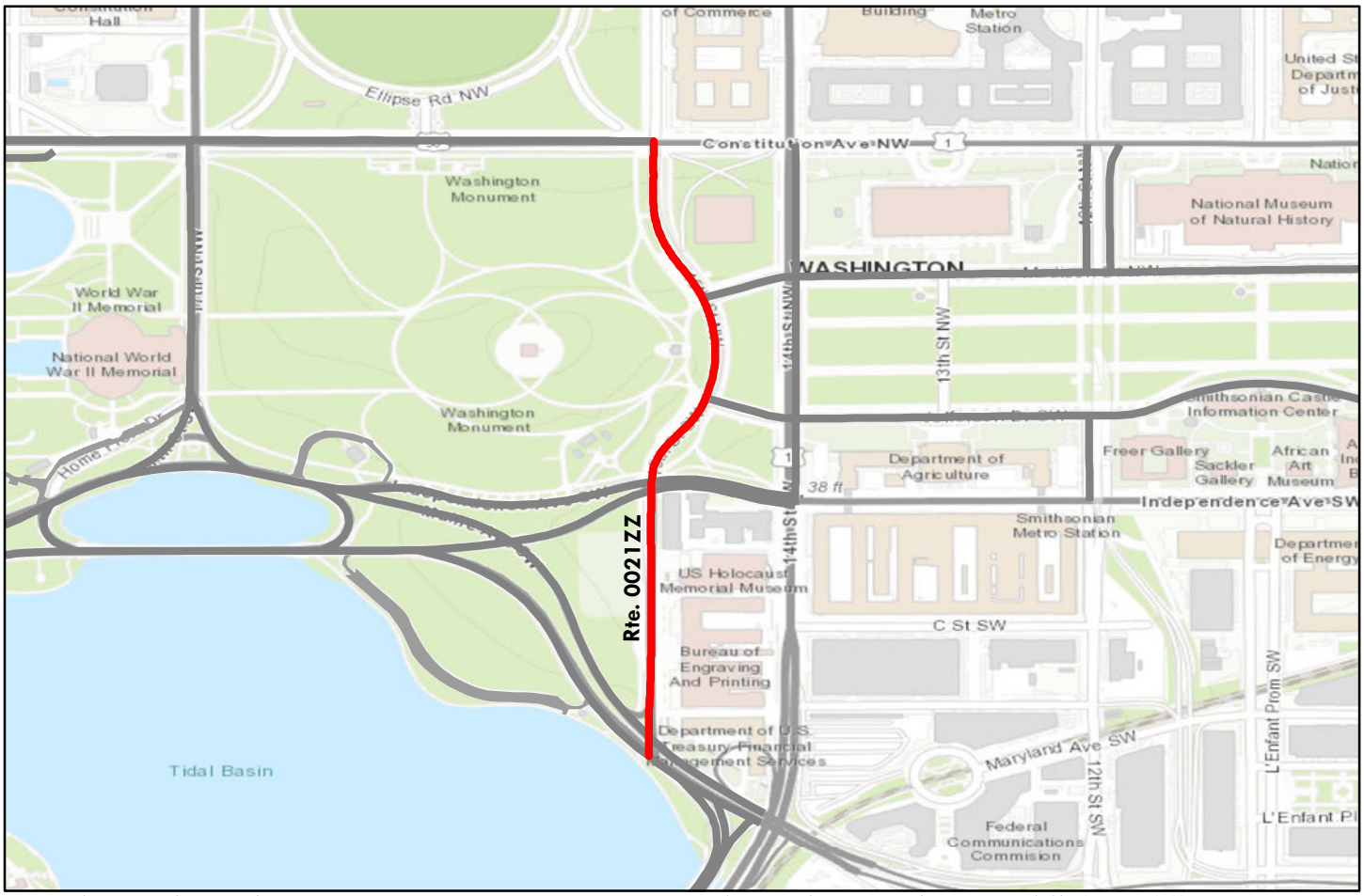
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.12	**Section Length (MI)**	0.12				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	79	79				
Surface Condition Rating (SCR)	79	79				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	97	97				
Alligator Crack Index	100	100				
Longitudinal Crack Index	97	97				
Transverse Cracking Index	79	79				
Patching Index	100	100				
Rutting Index	86	86				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	4	4				
Paved Width (ft)	40.1	40.1				
Lane Width (ft)	11.6	11.6				

National Mall and Memorial Parks

ROUTE 0021ZZ: 15TH STREET NW AND SW

Summary Route



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 6/14/2018	
Paved Length (Miles): 0.55	
Surface Type: ASPHALT	**Route Summary**
Roadway Condition Information	
Pavement Condition Rating (PCR)	29
Lane & Width Information	
Number of Lanes	4
Paved Width (ft)	50.2
Lane Width (ft)	11

National Mall and Memorial Parks

ROUTE 0021AZ: 15TH STREET NW

Subcomponent of Route NAMA-0021ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.16	**Section Length (MI)**	0.16				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	33	33				
Surface Condition Rating (SCR)	33	33				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	33	33				
Alligator Crack Index	97	97				
Longitudinal Crack Index	36	36				
Transverse Cracking Index	59	59				
Patching Index	94	94				
Rutting Index	86	86				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	5	5				
Paved Width (ft)	49.3	49.3				
Lane Width (ft)	10.2	10.2				

National Mall and Memorial Parks

ROUTE 0021BZ: 15TH STREET SW

Subcomponent of Route NAMA-0021ZZ

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

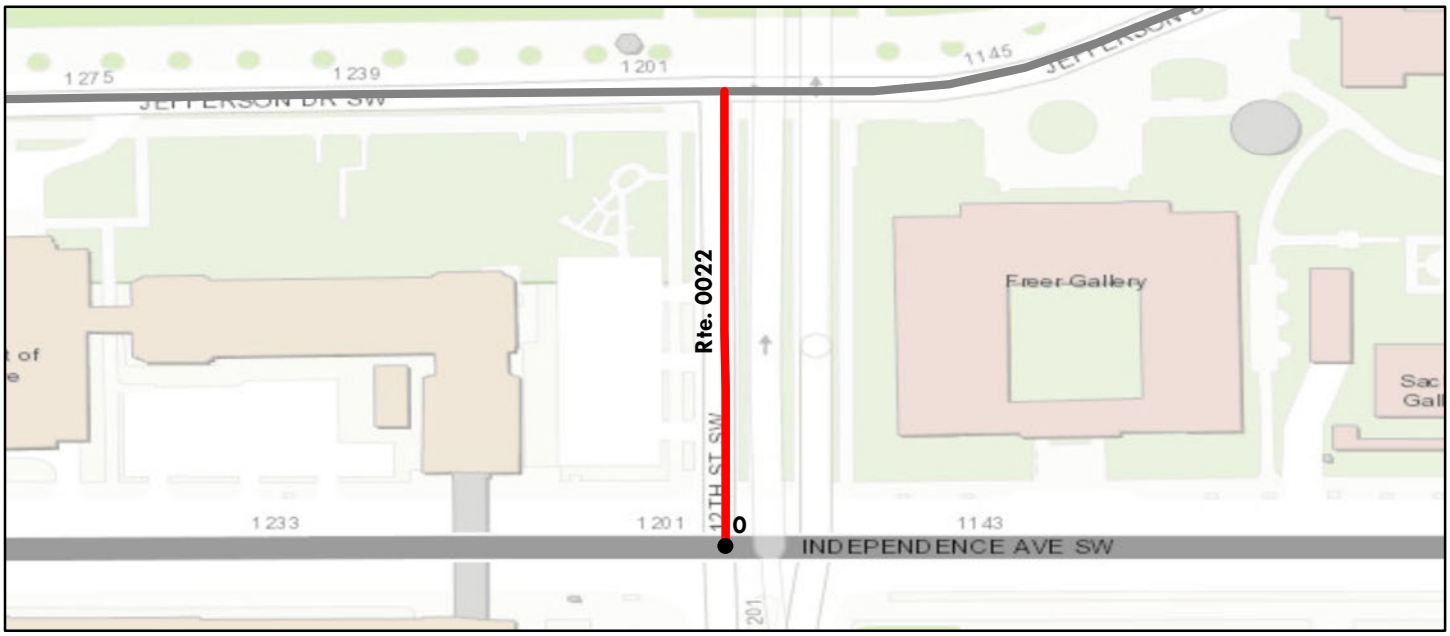
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.39	**Section Length (MI)**	0.39				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	28	28				
Surface Condition Rating (SCR)	28	28				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	28	28				
Alligator Crack Index	99	99				
Longitudinal Crack Index	29	29				
Transverse Cracking Index	43	43				
Patching Index	98	98				
Rutting Index	87	87				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	4	4				
Paved Width (ft)	50.6	50.6				
Lane Width (ft)	11.4	11.4				

National Mall and Memorial Parks

ROUTE 0022: 12TH STREET SW

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

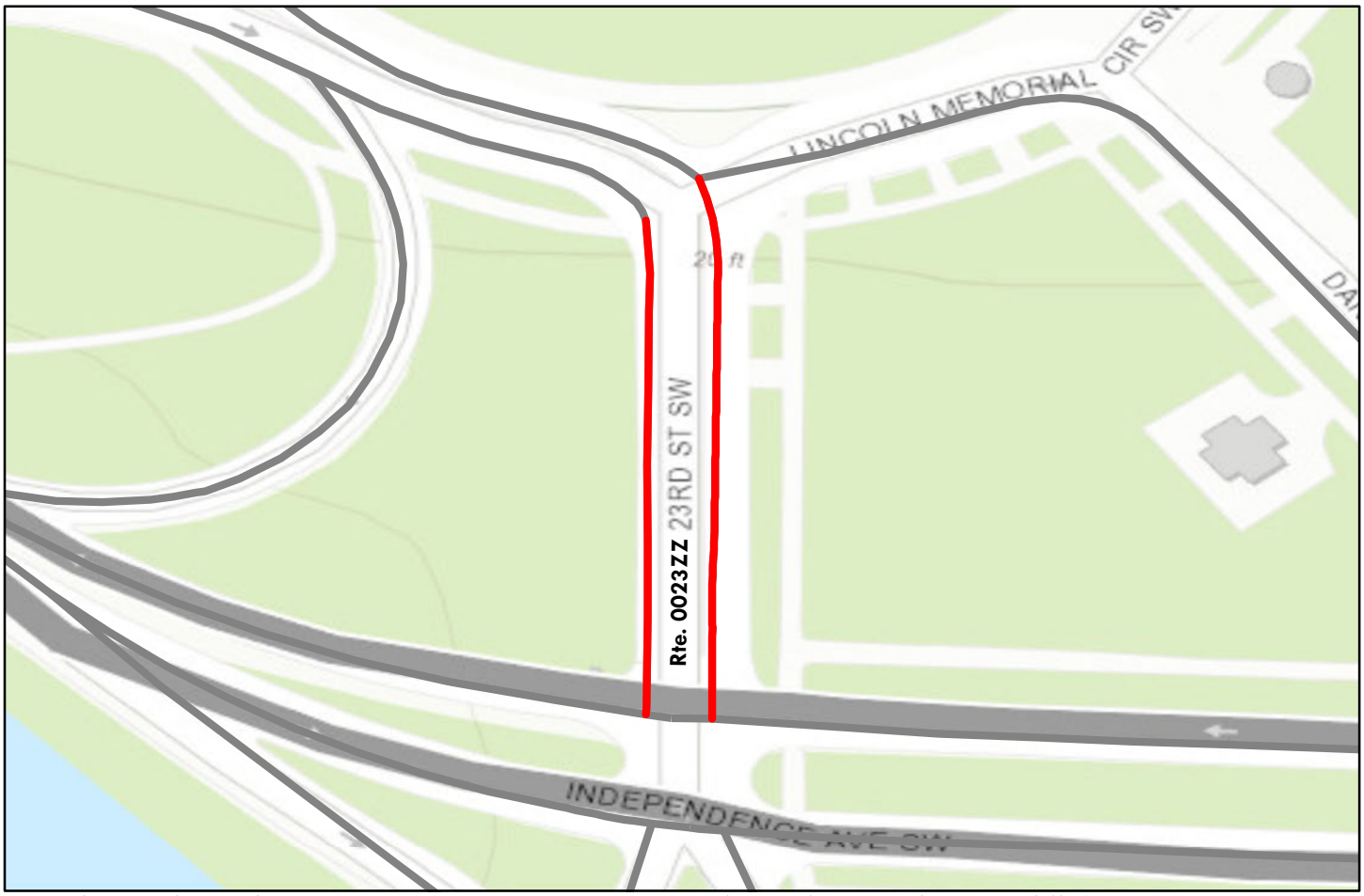
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.07	**Section Length (MI)**	0.07				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	100	100				
Longitudinal Crack Index	0	0				
Transverse Cracking Index	0	0				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	23.7	23.7				
Lane Width (ft)	11.2	11.2				

National Mall and Memorial Parks

ROUTE 0023ZZ: 23RD STREET SW

Summary Route



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

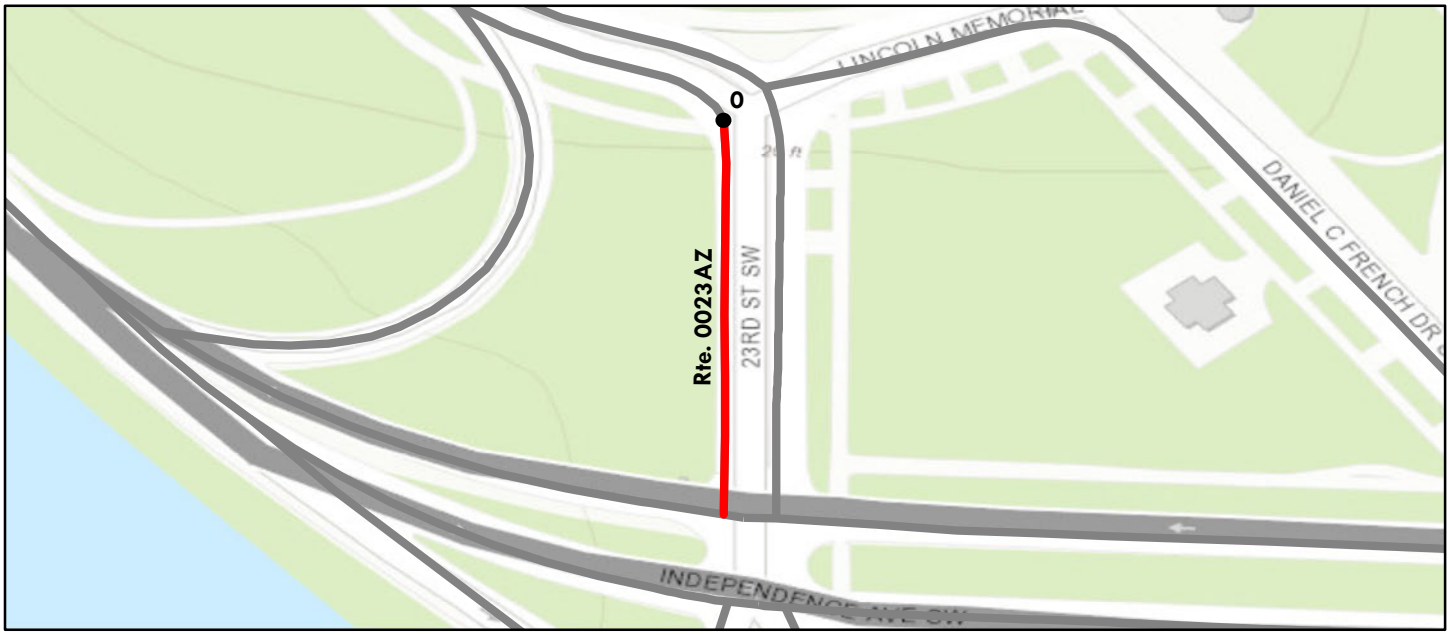
Inspection Date: 6/14/2018	
Paved Length (Miles): 0.13	
Surface Type: ASPHALT	**Route Summary**
Roadway Condition Information	
Pavement Condition Rating (PCR)	2
Lane & Width Information	
Number of Lanes	3
Paved Width (ft)	29.1
Lane Width (ft)	12.3

National Mall and Memorial Parks

ROUTE 0023AZ: 23RD STREET SW (SOUTHBOUND)

Subcomponent of Route NAMA-0023ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

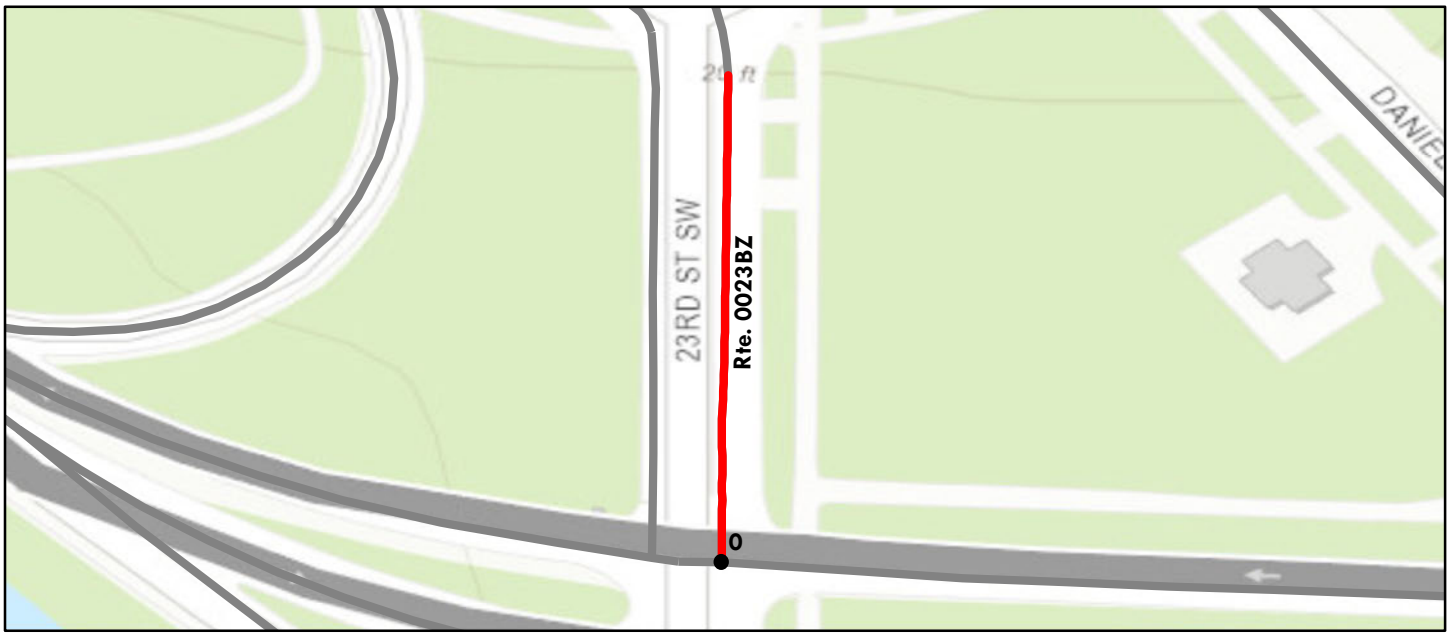
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.06	**Section Length (MI)**	0.06				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	57	57				
Longitudinal Crack Index	32	32				
Transverse Cracking Index	38	38				
Patching Index	99	99				
Rutting Index	85	85				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	3	3				
Paved Width (ft)	30.8	30.8				
Lane Width (ft)	10.2	10.2				

National Mall and Memorial Parks

ROUTE 0023BZ: 23RD STREET SW (NORTHBOUND)

Subcomponent of Route NAMA-0023ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

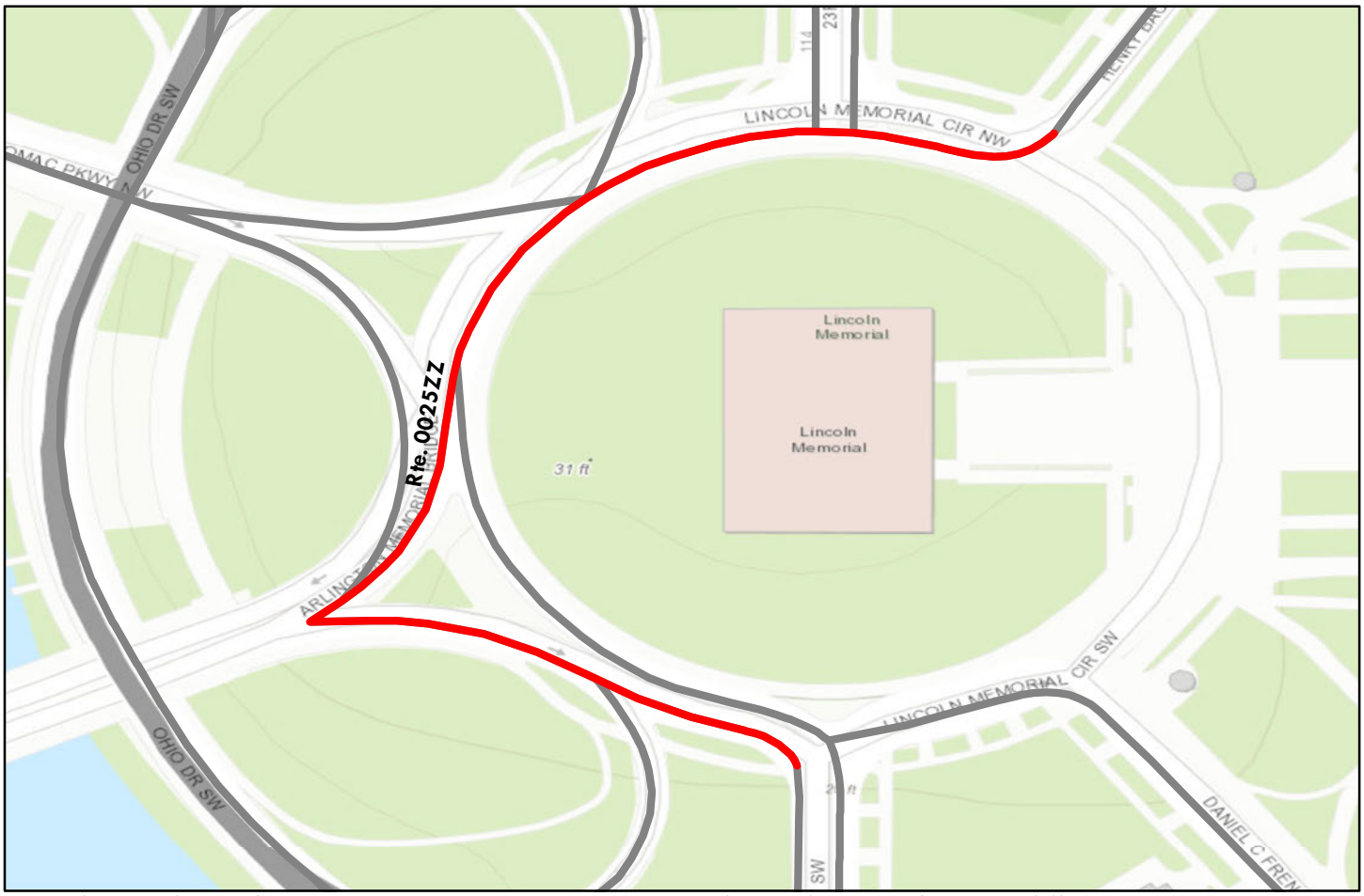
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0					
Paved Length (Miles): 0.07	**Section Length (MI)**	0.07					
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	4	4					
Surface Condition Rating (SCR)	4	4					
Roughness Condition Index (RCI)	N/A	N/A					
Distress Index Values							
Structural Crack Index	4	4					
Alligator Crack Index	41	41					
Longitudinal Crack Index	63	63					
Transverse Cracking Index	86	86					
Patching Index	99	99					
Rutting Index	72	72					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	2	2					
Paved Width (ft)	27.5	27.5					
Lane Width (ft)	14.3	14.3					

National Mall and Memorial Parks

ROUTE 0025ZZ: LINCOLN MEMORIAL CIRCLE NW AND SW

Summary Route



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

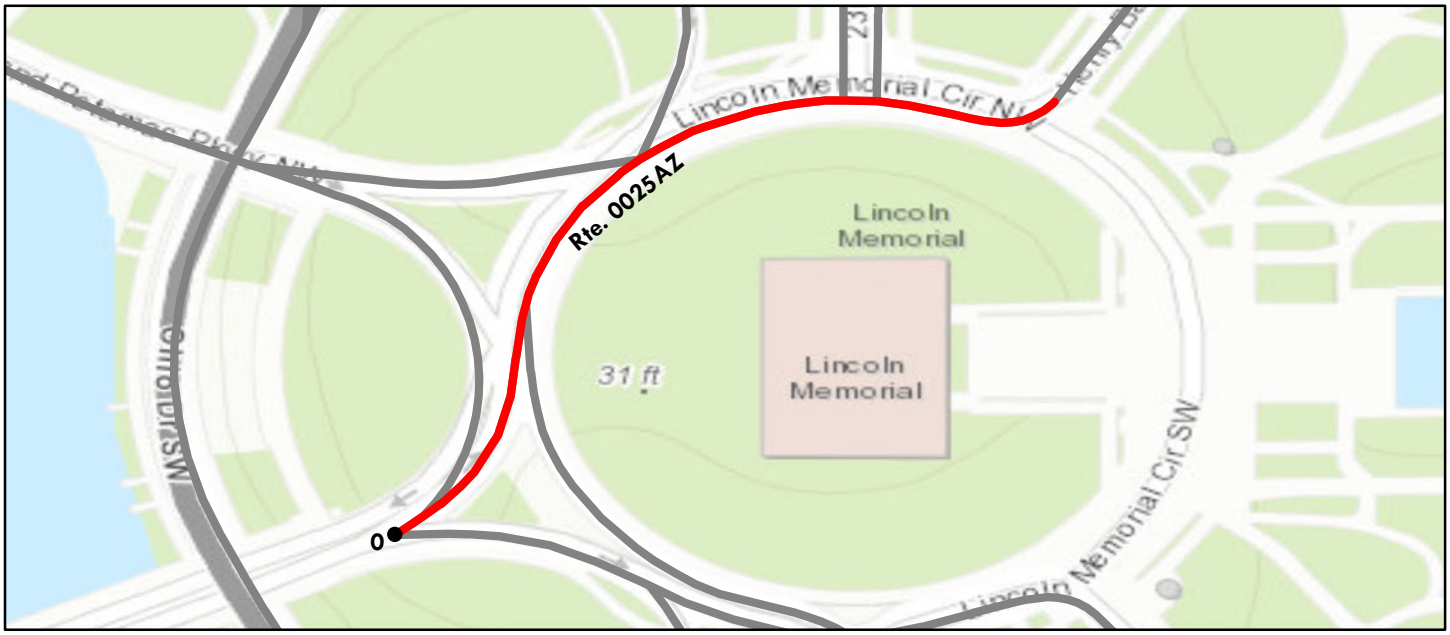
Inspection Date:	6/14/2018
Paved Length (Miles):	0.28
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	4
Lane & Width Information	
Number of Lanes	5
Paved Width (ft)	52.5
Lane Width (ft)	11.7

National Mall and Memorial Parks

ROUTE 0025AZ: LINCOLN MEMORIAL CIRCLE NW

Subcomponent of Route NAMA-0025ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

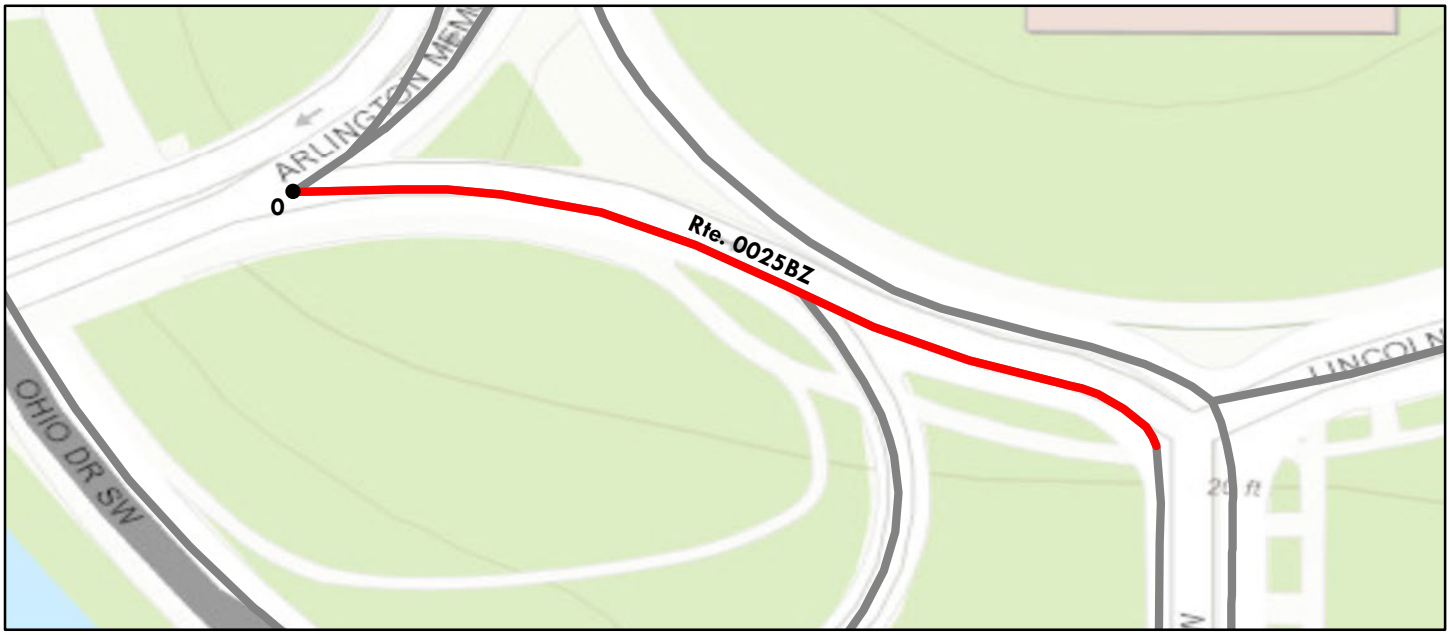
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.19	**Section Length (MI)**	0.19				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	98	98				
Longitudinal Crack Index	0	0				
Transverse Cracking Index	34	34				
Patching Index	100	100				
Rutting Index	95	95				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	5	5				
Paved Width (ft)	60.1	60.1				
Lane Width (ft)	11.5	11.5				

National Mall and Memorial Parks

ROUTE 0025BZ: LINCOLN MEMORIAL CIRCLE SW

Subcomponent of Route NAMA-0025ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.09	**Section Length (MI)**	0.09				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	16	16				
Surface Condition Rating (SCR)	16	16				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	16	16				
Alligator Crack Index	95	95				
Longitudinal Crack Index	21	21				
Transverse Cracking Index	50	50				
Patching Index	98	98				
Rutting Index	94	94				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	3	3				
Paved Width (ft)	36.6	36.6				
Lane Width (ft)	12	12				

National Mall and Memorial Parks

ROUTE 0026: OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0	1	2		
Paved Length (Miles): 2.52	**Section Length (MI)**	1	1	0.52		
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	50	52	44	59		
Surface Condition Rating (SCR)	39	41	30	53		
Roughness Condition Index (RCI)	67	69	64	67		
Distress Index Values						
Structural Crack Index	53	53	50	58		
Alligator Crack Index	97	94	99	98		
Longitudinal Crack Index	56	59	51	60		
Transverse Cracking Index	39	41	30	53		
Patching Index	100	100	99	100		
Rutting Index	99	100	98	99		
International Roughness Index (IRI)	213	205	222	213		
Lane & Width Information						
Number of Lanes	2	2	2	2		
Paved Width (ft)	18.3	18.2	18.6	18.1		
Lane Width (ft)	9.3	9.6	9.2	9		

National Mall and Memorial Parks

ROUTE 0027ZZ: OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD

Summary Route

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	6/14/2018
Paved Length (Miles):	1.35
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	25
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	21.6
Lane Width (ft)	14

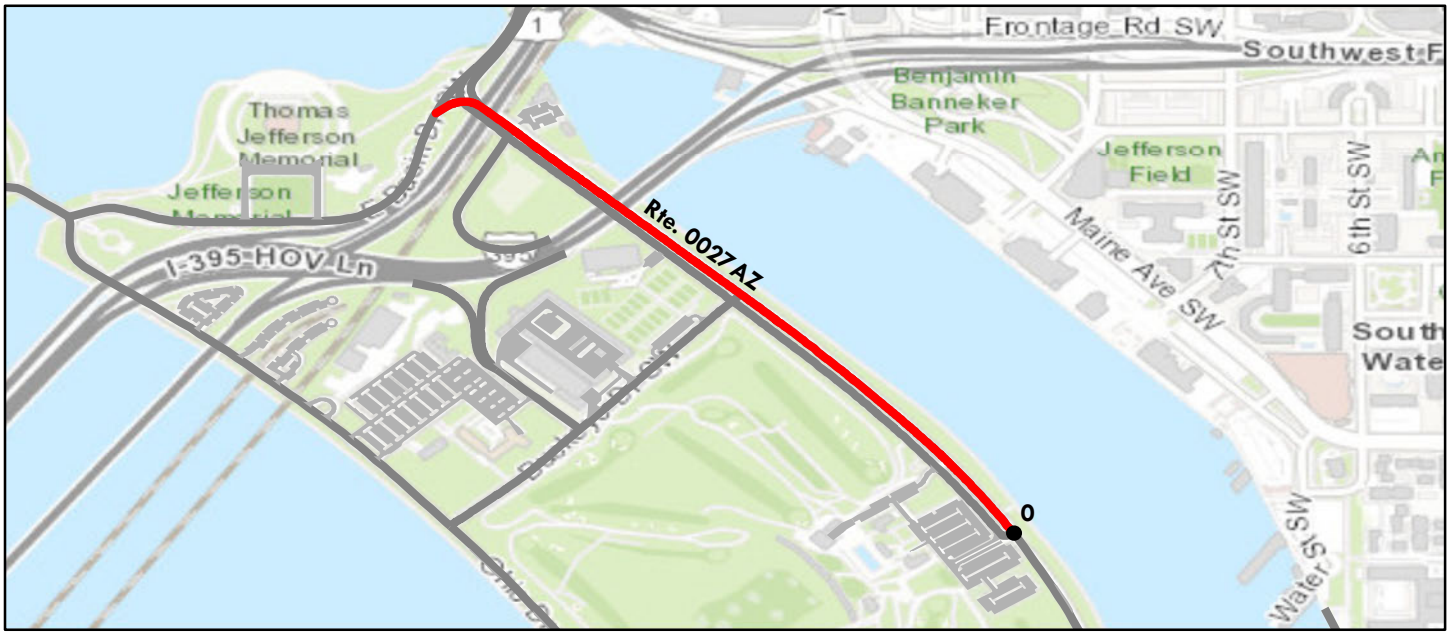
Route Summary

National Mall and Memorial Parks

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

Subcomponent of Route NAMA-0027ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

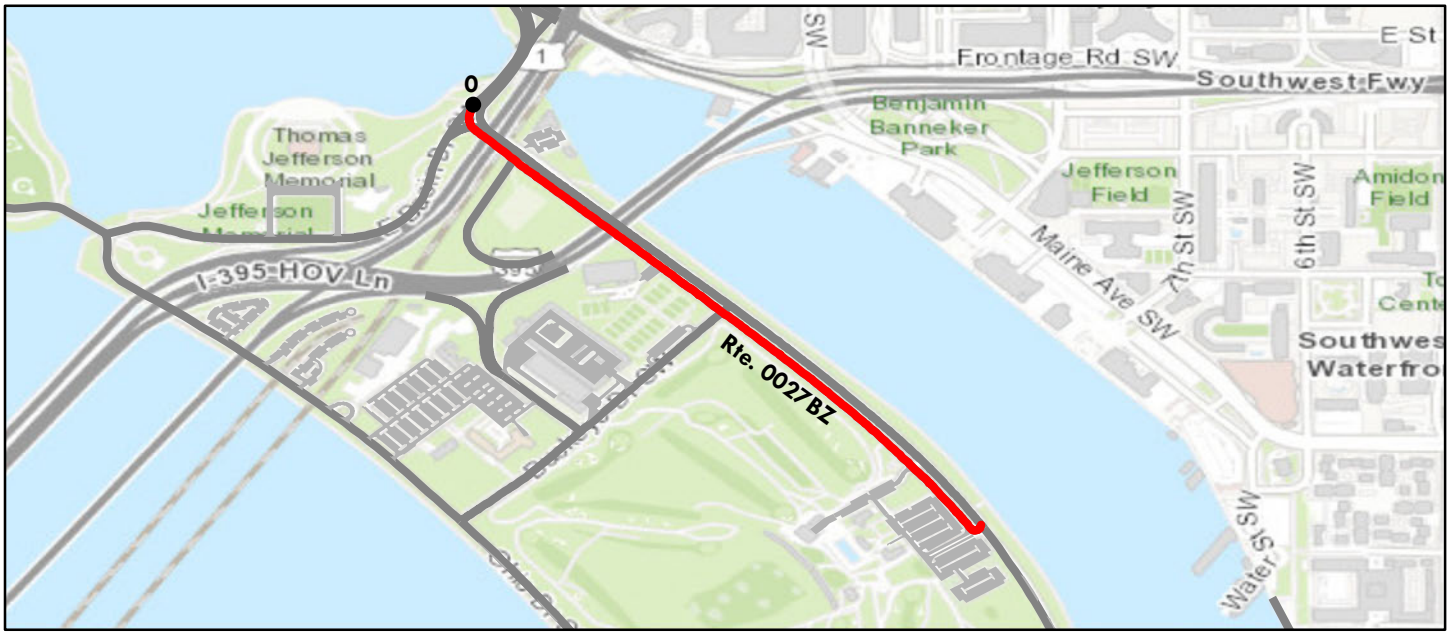
Inspection Date: 6/14/2018	**Beginning Section MP**	0					
Paved Length (Miles): 0.68	**Section Length (MI)**	0.68					
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	24	24					
Surface Condition Rating (SCR)	0	0					
Roughness Condition Index (RCI)	59	59					
Distress Index Values							
Structural Crack Index	0	0					
Alligator Crack Index	100	100					
Longitudinal Crack Index	0	0					
Transverse Cracking Index	0	0					
Patching Index	99	99					
Rutting Index	100	100					
International Roughness Index (IRI)	243	243					
Lane & Width Information							
Number of Lanes	2	2					
Paved Width (ft)	22.7	22.7					
Lane Width (ft)	11.4	11.4					

National Mall and Memorial Parks

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

Subcomponent of Route NAMA-0027ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

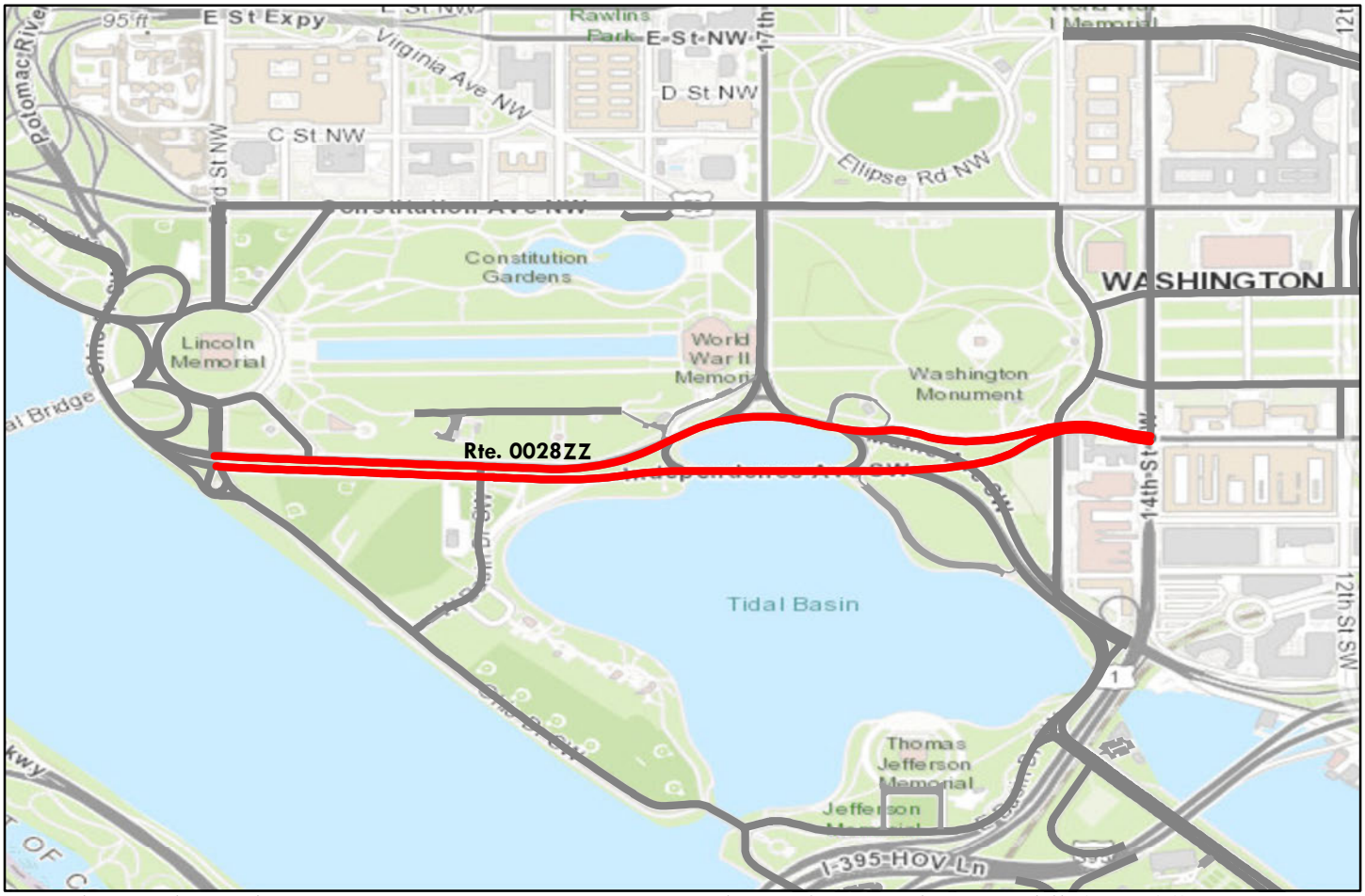
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.68	**Section Length (MI)**	0.68				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	26	26				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	65	65				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	97	97				
Longitudinal Crack Index	0	0				
Transverse Cracking Index	0	0				
Patching Index	99	99				
Rutting Index	99	99				
International Roughness Index (IRI)	219	219				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	20.5	20.5				
Lane Width (ft)	16.5	16.5				

National Mall and Memorial Parks

ROUTE 0028ZZ: INDEPENDENCE AVENUE SW

Summary Route



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

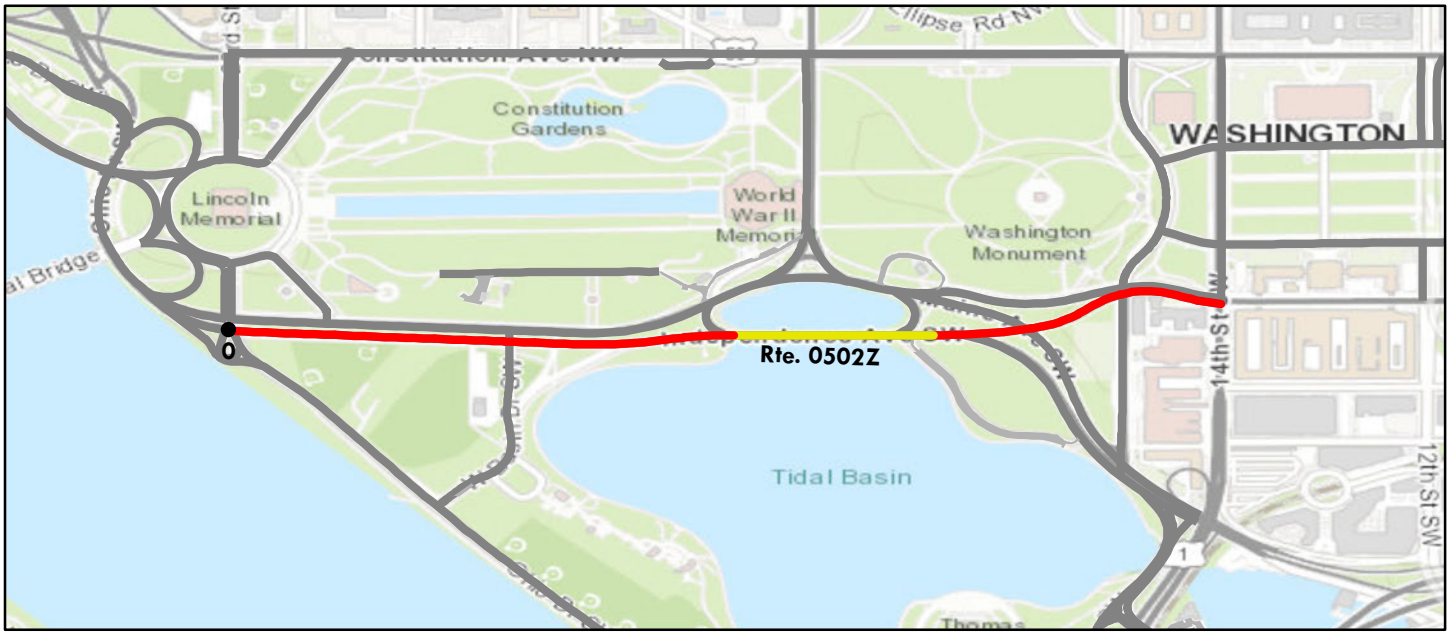
Inspection Date:	6/14/2018
Paved Length (Miles):	1.99
Surface Type:	ASPHALT
Roadway Condition Information	**Route Summary**
Pavement Condition Rating (PCR)	35
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	33.9
Lane Width (ft)	10.7

National Mall and Memorial Parks

ROUTE 0502Z: INDEPENDENCE AVENUE SW (EASTBOUND)

Subcomponent of Route NAMA-0028ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

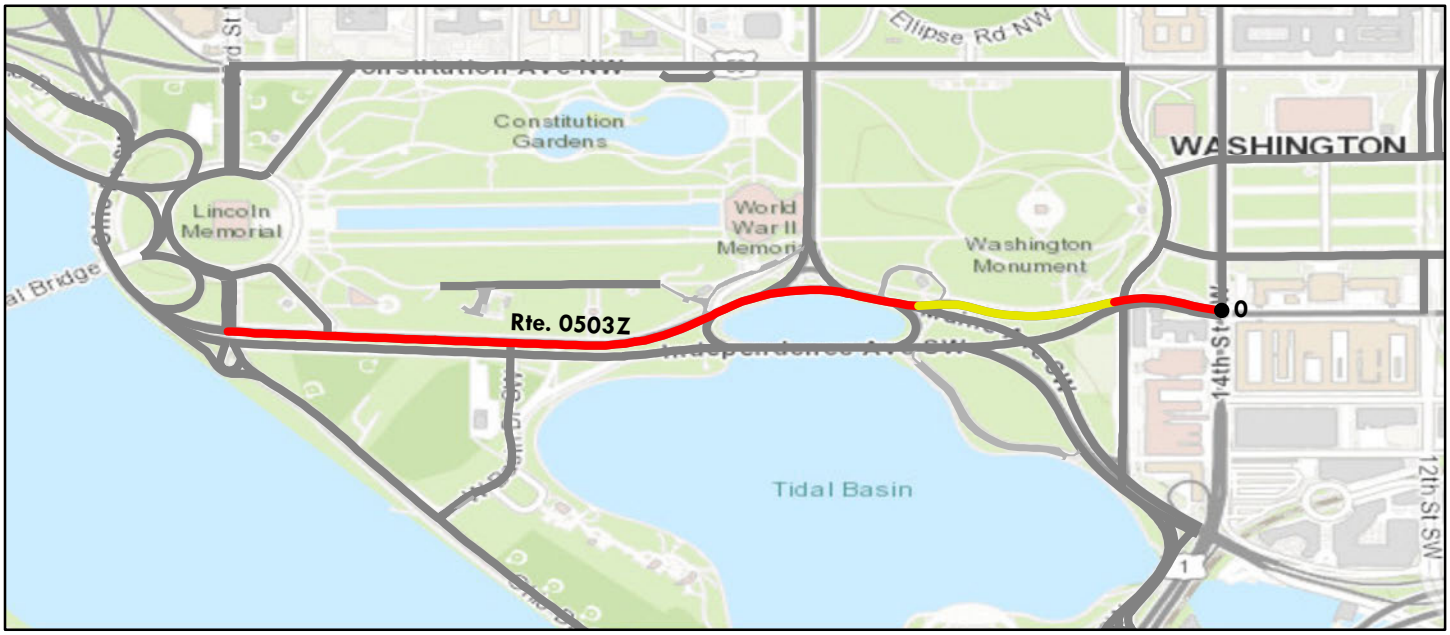
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.99	**Section Length (MI)**	0.99				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	37	37				
Surface Condition Rating (SCR)	20	20				
Roughness Condition Index (RCI)	62	62				
Distress Index Values						
Structural Crack Index	20	20				
Alligator Crack Index	98	98				
Longitudinal Crack Index	22	22				
Transverse Cracking Index	46	46				
Patching Index	98	98				
Rutting Index	98	98				
International Roughness Index (IRI)	230	230				
Lane & Width Information						
Number of Lanes	3	3				
Paved Width (ft)	33.4	33.4				
Lane Width (ft)	10.5	10.5				

National Mall and Memorial Parks

ROUTE 0503Z: INDEPENDENCE AVENUE SW (WESTBOUND)

Subcomponent of Route NAMA-0028ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 1	**Section Length (MI)**	1				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	33	33				
Surface Condition Rating (SCR)	12	12				
Roughness Condition Index (RCI)	65	65				
Distress Index Values						
Structural Crack Index	34	34				
Alligator Crack Index	97	97				
Longitudinal Crack Index	37	37				
Transverse Cracking Index	12	12				
Patching Index	98	98				
Rutting Index	95	95				
International Roughness Index (IRI)	218	218				
Lane & Width Information						
Number of Lanes	3	3				
Paved Width (ft)	34.4	34.4				
Lane Width (ft)	10.9	10.9				

National Mall and Memorial Parks

ROUTE 0029ZZ: MAINE AVENUE SW

Summary Route

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	6/14/2018
Paved Length (Miles):	0.77
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	21
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	26.8
Lane Width (ft)	10.6

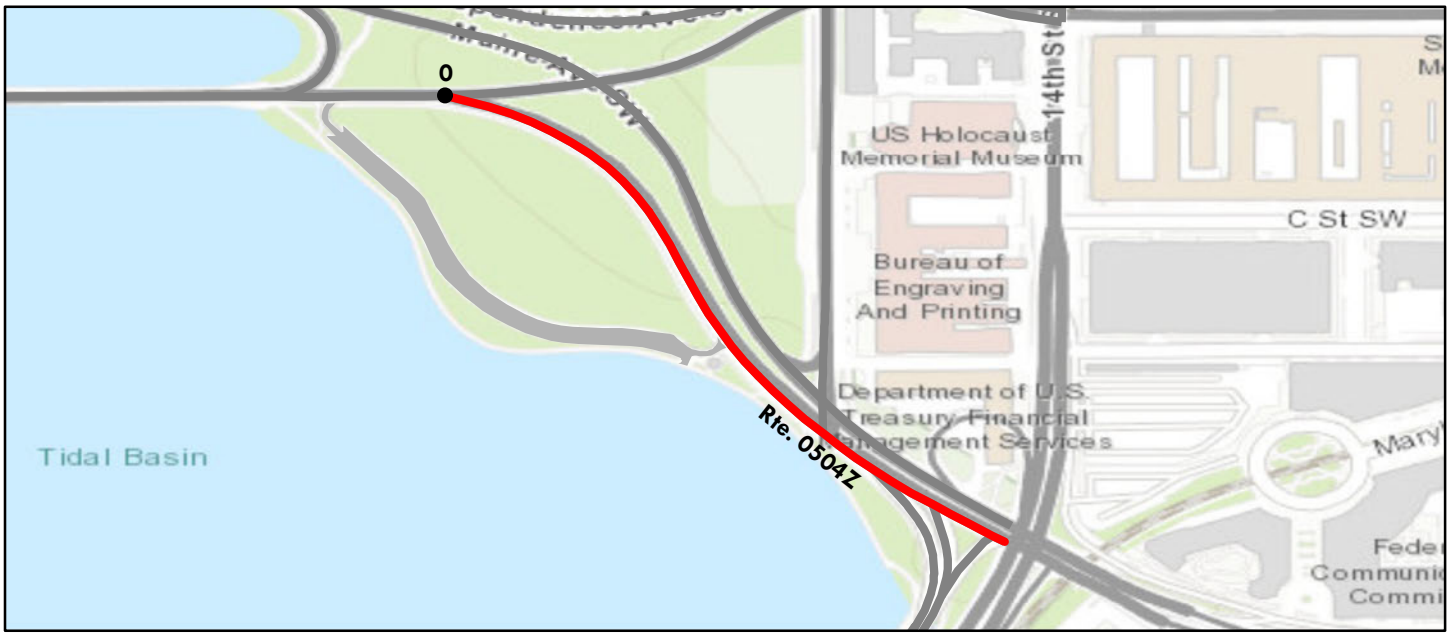
Route Summary

National Mall and Memorial Parks

ROUTE 0504Z: MAINE AVENUE SW (EASTBOUND)

Subcomponent of Route NAMA-0029ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

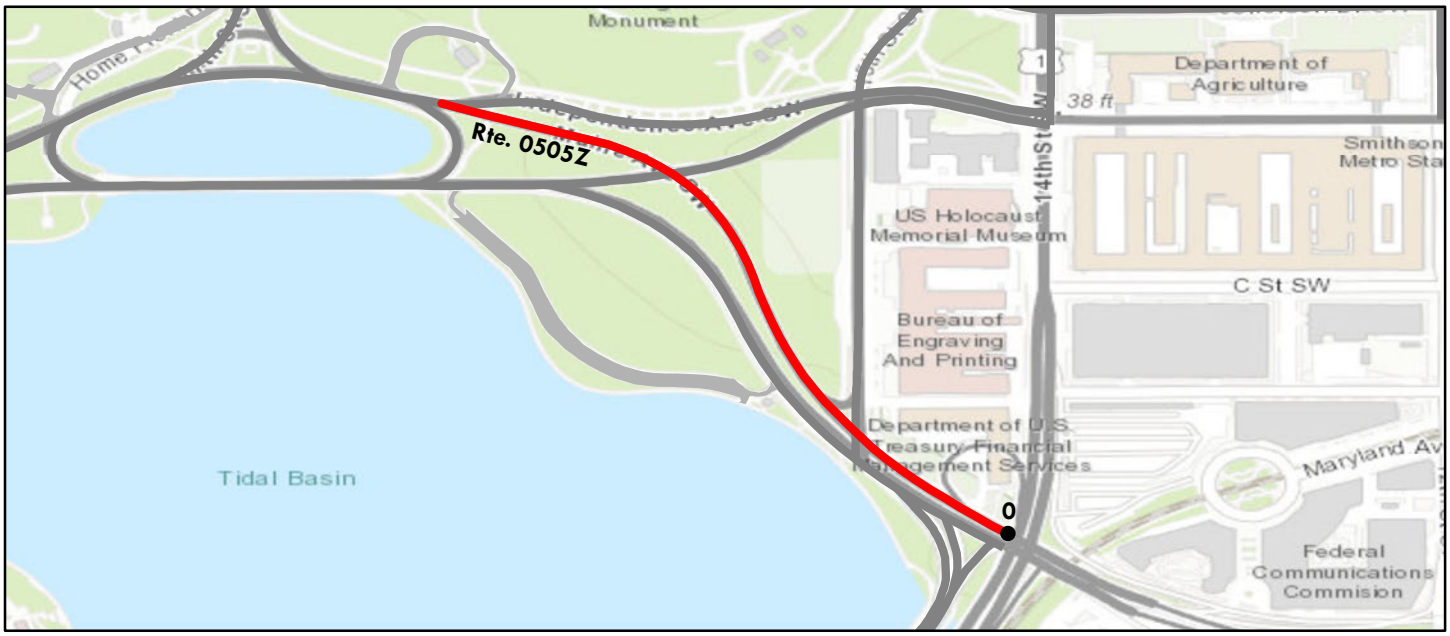
Inspection Date: 6/14/2018	**Beginning Section MP**	0					
Paved Length (Miles): 0.35	**Section Length (MI)**	0.35					
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	4	4					
Surface Condition Rating (SCR)	4	4					
Roughness Condition Index (RCI)	N/A	N/A					
Distress Index Values							
Structural Crack Index	4	4					
Alligator Crack Index	96	96					
Longitudinal Crack Index	8	8					
Transverse Cracking Index	23	23					
Patching Index	99	99					
Rutting Index	99	99					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	3	3					
Paved Width (ft)	27.6	27.6					
Lane Width (ft)	9.9	9.9					

National Mall and Memorial Parks

ROUTE 0505Z: MAINE AVENUE SW (WESTBOUND)

Subcomponent of Route NAMA-0029ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

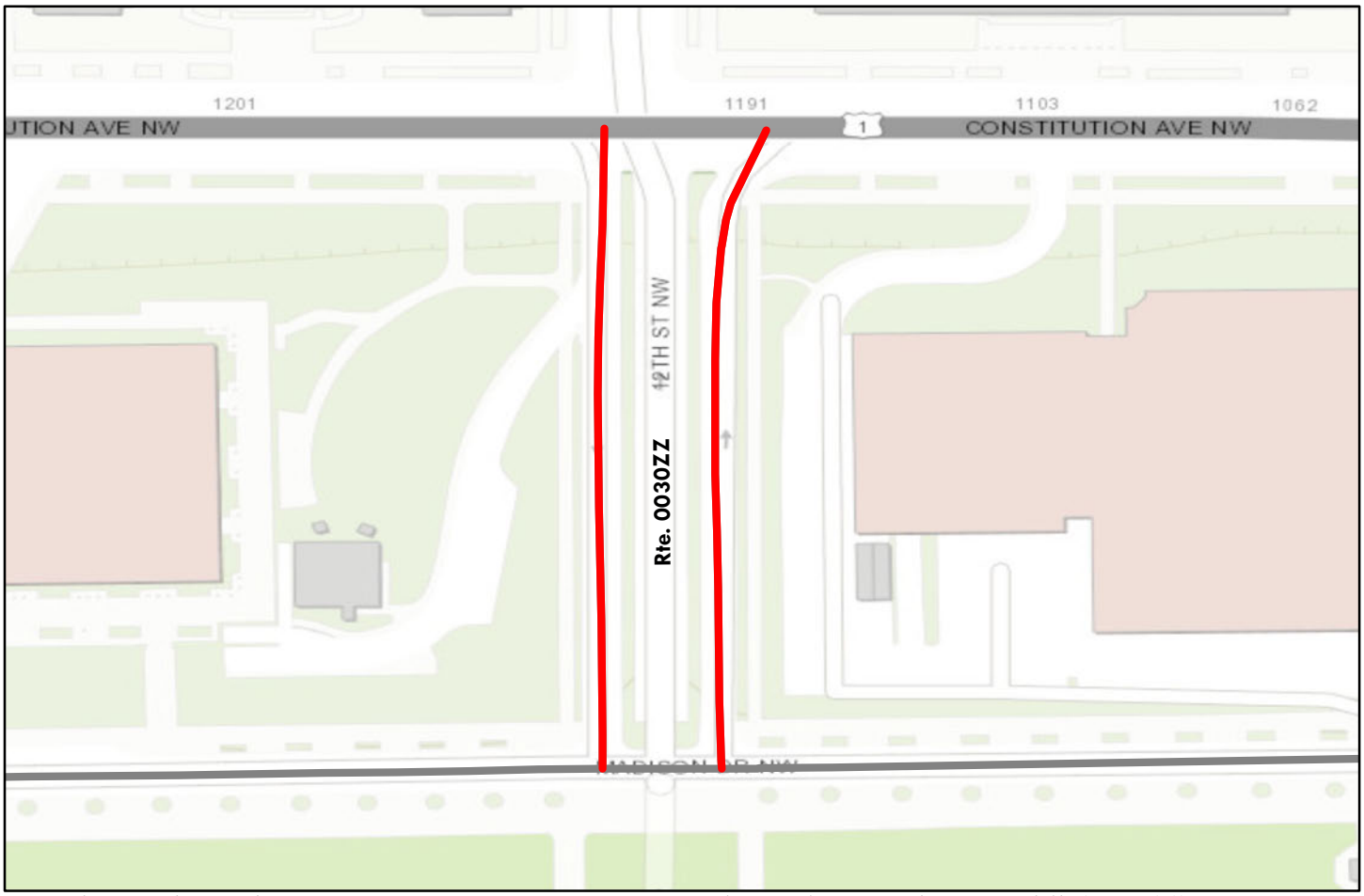
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.42	**Section Length (MI)**	0.42				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	36	36				
Surface Condition Rating (SCR)	36	36				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	42	42				
Alligator Crack Index	100	100				
Longitudinal Crack Index	42	42				
Transverse Cracking Index	36	36				
Patching Index	99	99				
Rutting Index	96	96				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	26.1	26.1				
Lane Width (ft)	11.2	11.2				

National Mall and Memorial Parks

ROUTE 0030ZZ: 12TH STREET NW

Summary Route



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

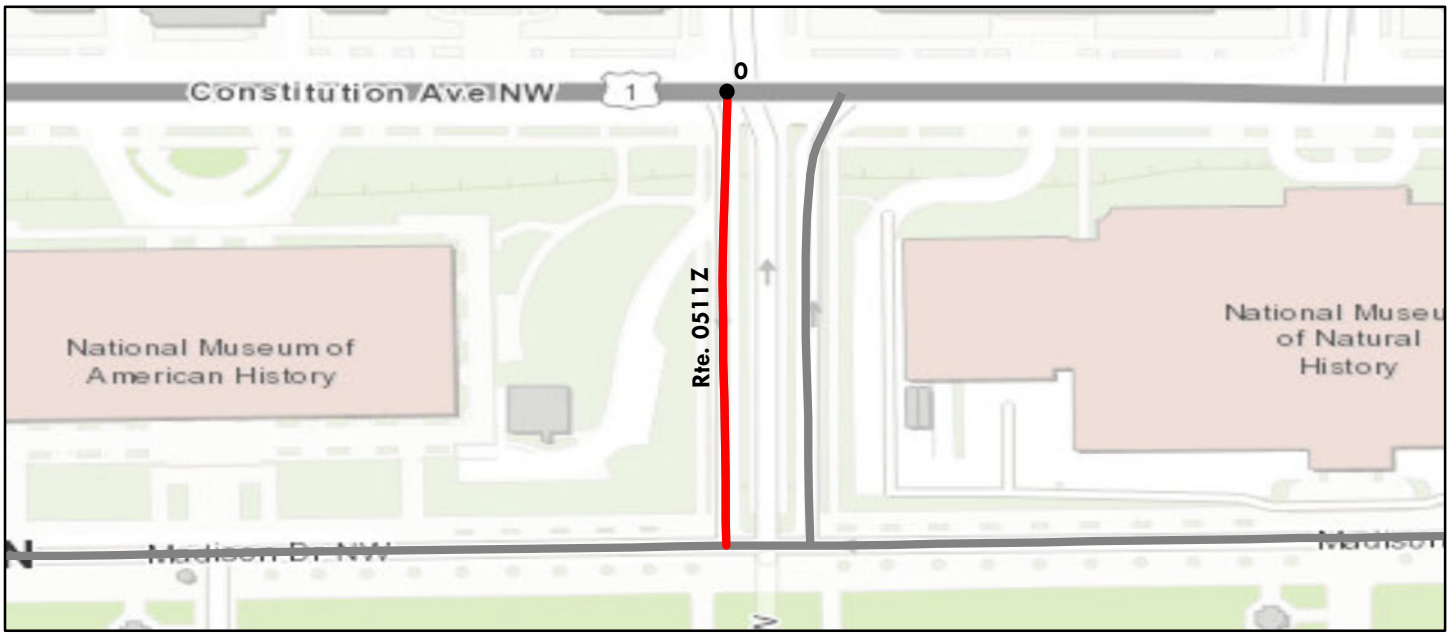
Inspection Date: 6/14/2018	
Paved Length (Miles): 0.2	
Surface Type: ASPHALT	**Route Summary**
Roadway Condition Information	
Pavement Condition Rating (PCR)	29
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	26.7
Lane Width (ft)	26.6

National Mall and Memorial Parks

ROUTE 0511Z: 12TH STREET NW (SOUTHBOUND RAMP)

Subcomponent of Route NAMA-0030ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

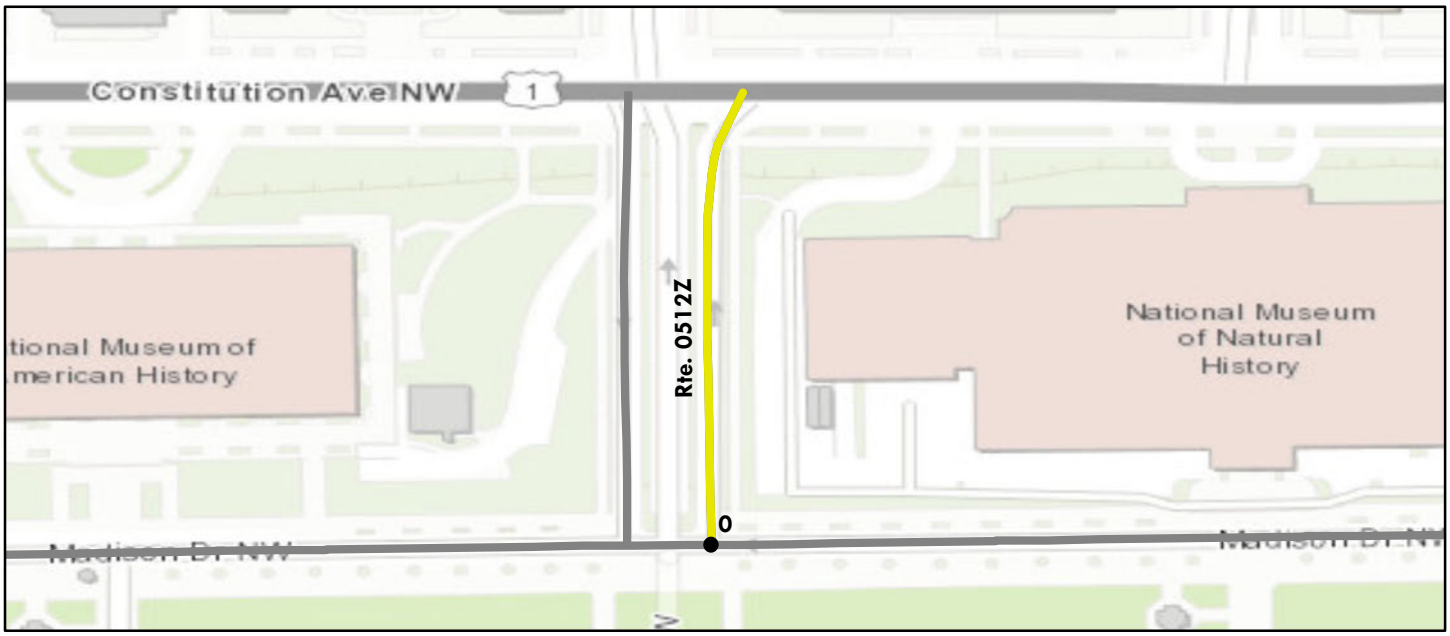
Inspection Date: 6/14/2018	**Beginning Section MP**	0					
Paved Length (Miles): 0.1	**Section Length (MI)**	0.1					
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	0	0					
Surface Condition Rating (SCR)	0	0					
Roughness Condition Index (RCI)	N/A	N/A					
Distress Index Values							
Structural Crack Index	0	0					
Alligator Crack Index	100	100					
Longitudinal Crack Index	0	0					
Transverse Cracking Index	71	71					
Patching Index	100	100					
Rutting Index	96	96					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	1	1					
Paved Width (ft)	27.8	27.8					
Lane Width (ft)	27.8	27.8					

National Mall and Memorial Parks

ROUTE 0512Z: 12TH STREET NW (NORTHBOUND RAMP)

Subcomponent of Route NAMA-0030ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

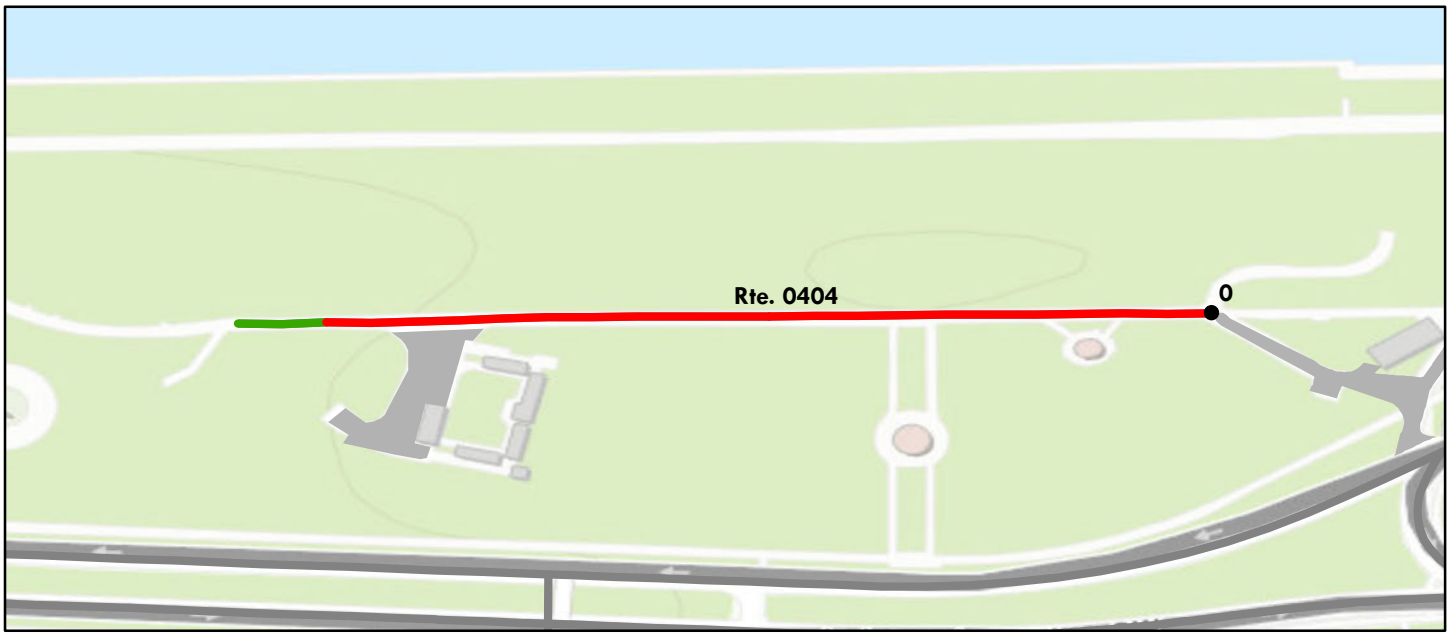
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0					
Paved Length (Miles): 0.1	**Section Length (MI)**	0.1					
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	61	61					
Surface Condition Rating (SCR)	61	61					
Roughness Condition Index (RCI)	N/A	N/A					
Distress Index Values							
Structural Crack Index	61	61					
Alligator Crack Index	100	100					
Longitudinal Crack Index	61	61					
Transverse Cracking Index	99	99					
Patching Index	100	100					
Rutting Index	97	97					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	1	1					
Paved Width (ft)	25.6	25.6					
Lane Width (ft)	25.4	25.4					

National Mall and Memorial Parks

ROUTE 0404: ASH ROAD

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.22	**Section Length (MI)**	0.22				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	37	37				
Surface Condition Rating (SCR)	37	37				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	37	37				
Alligator Crack Index	82	82				
Longitudinal Crack Index	55	55				
Transverse Cracking Index	78	78				
Patching Index	91	91				
Rutting Index	98	98				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	17.2	17.2				
Lane Width (ft)	8.9	8.9				

National Mall and Memorial Parks

ROUTE 0406: TITANIC MEMORIAL SERVICE ROAD

Manual Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date:	2/21/2018	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.23	**Section Length (MI)**	0.23				
Surface Type:	CONCRETE	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		73	73				
Surface Condition Rating (SCR)		73	73				
Roughness Condition Index (RCI)		N/A	N/A				
Distress Index Values							
Structural Crack Index		N/A	N/A				
Alligator Crack Index		N/A	N/A				
Longitudinal Crack Index		N/A	N/A				
Transverse Cracking Index		N/A	N/A				
Patching Index		N/A	N/A				
Rutting Index		N/A	N/A				
International Roughness Index (IRI)		N/A	N/A				
Lane & Width Information							
Number of Lanes		1	1				
Paved Width (ft)		17.3	17.3				
Lane Width (ft)		17.3	17.3				

National Mall and Memorial Parks

ROUTE 0406: TITANIC MEMORIAL SERVICE ROAD

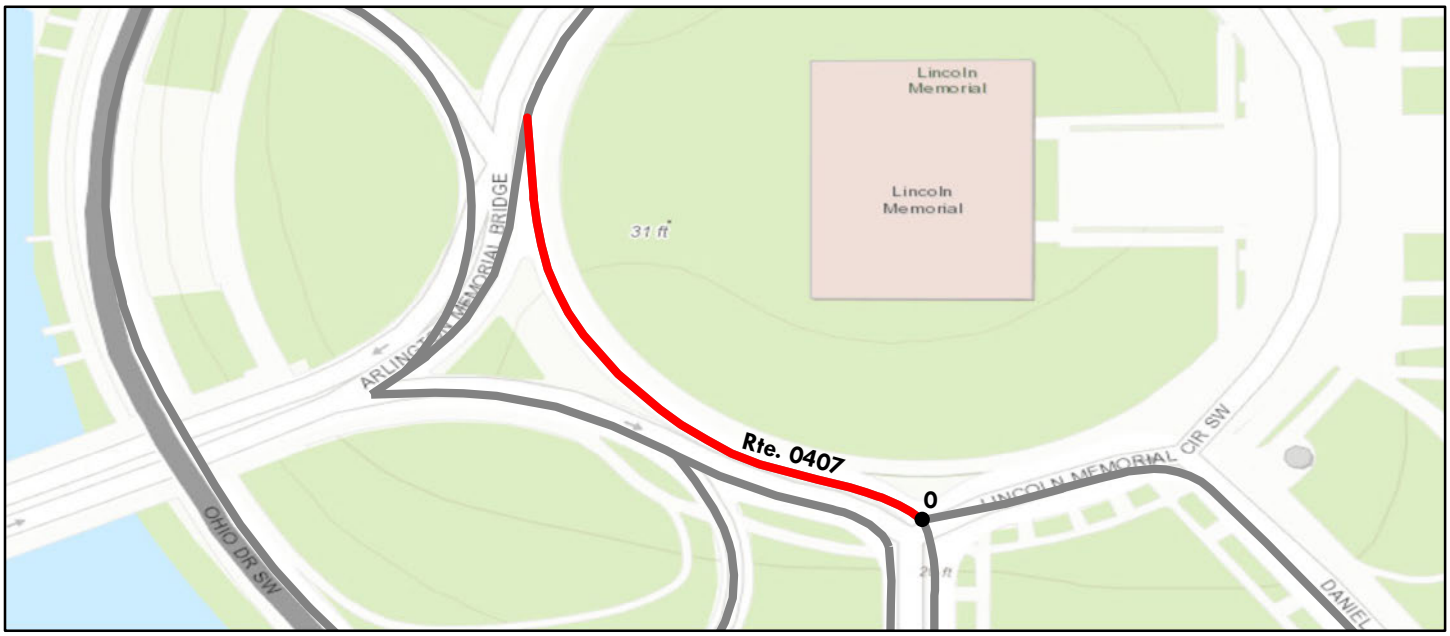
Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

National Mall and Memorial Parks

ROUTE 0407: LINCOLN MEMORIAL CIRCLE TOUR BUS ACCESS

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

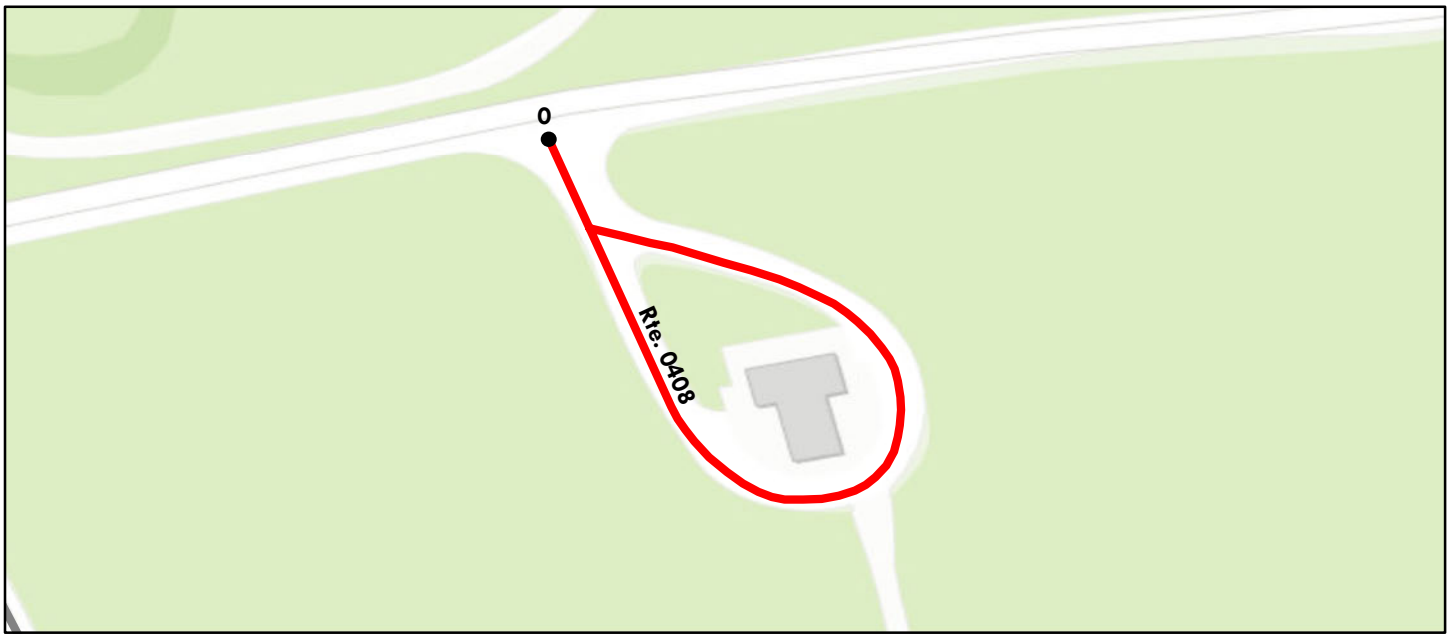
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.11	**Section Length (MI)**	0.11				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	55	55				
Surface Condition Rating (SCR)	55	55				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	65	65				
Alligator Crack Index	100	100				
Longitudinal Crack Index	65	65				
Transverse Cracking Index	55	55				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	19.9	19.9				
Lane Width (ft)	19.9	19.9				

National Mall and Memorial Parks

ROUTE 0408: HAINS POINT PLAYGROUND RESTROOM SERVICE ROAD

Manual Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Inspection Date: 2/21/2018	**Beginning Section MP**	0.00					
Paved Length (Miles): 0.07	**Section Length (MI)**	0.07					
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	53	53					
Surface Condition Rating (SCR)	53	53					
Roughness Condition Index (RCI)	N/A	N/A					
Distress Index Values							
Structural Crack Index	N/A	N/A					
Alligator Crack Index	53	53					
Longitudinal Crack Index	90	90					
Transverse Cracking Index	73	73					
Patching Index	73	73					
Rutting Index	73	73					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	1	1					
Paved Width (ft)	15	15					
Lane Width (ft)	15	15					

National Mall and Memorial Parks

ROUTE 0408: HAINS POINT PLAYGROUND RESTROOM SERVICE ROAD

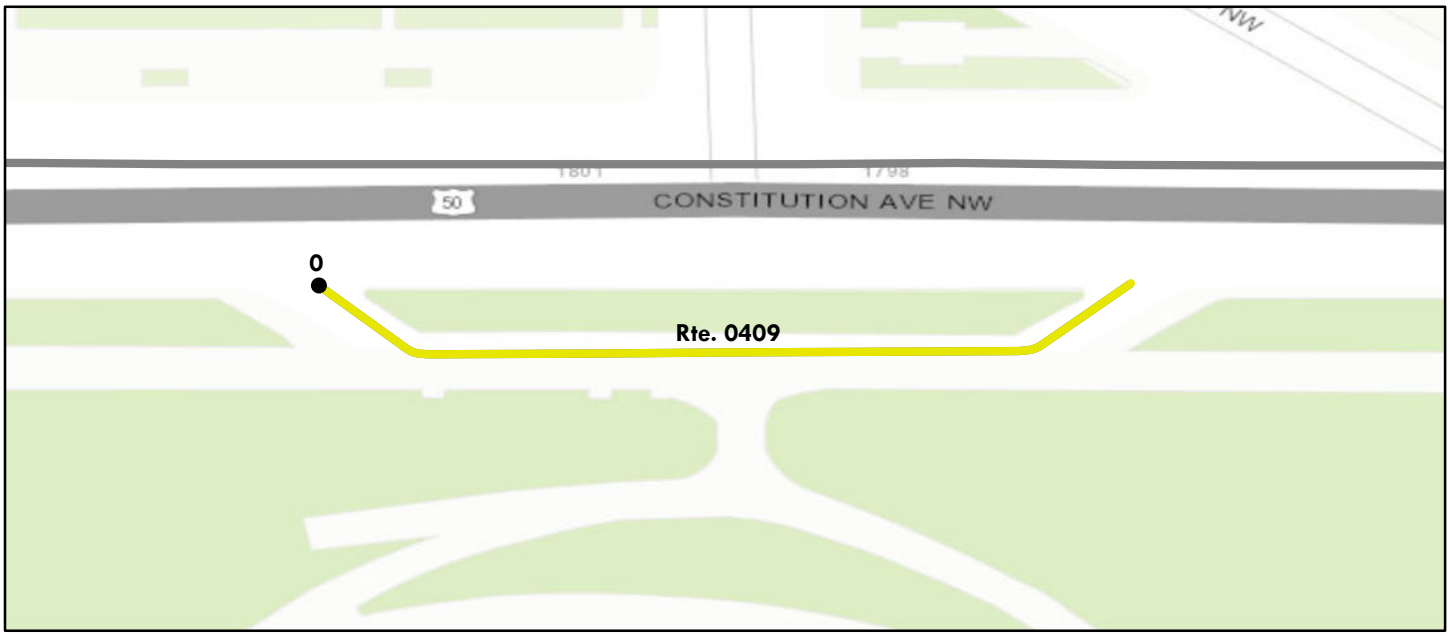
Condition Photos

Condition photos are shown only for manually rated roads. Use the PathView program to see images of DCV rated roads.

National Mall and Memorial Parks

ROUTE 0409: CONSTITUTION GARDENS BUS LOOP

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

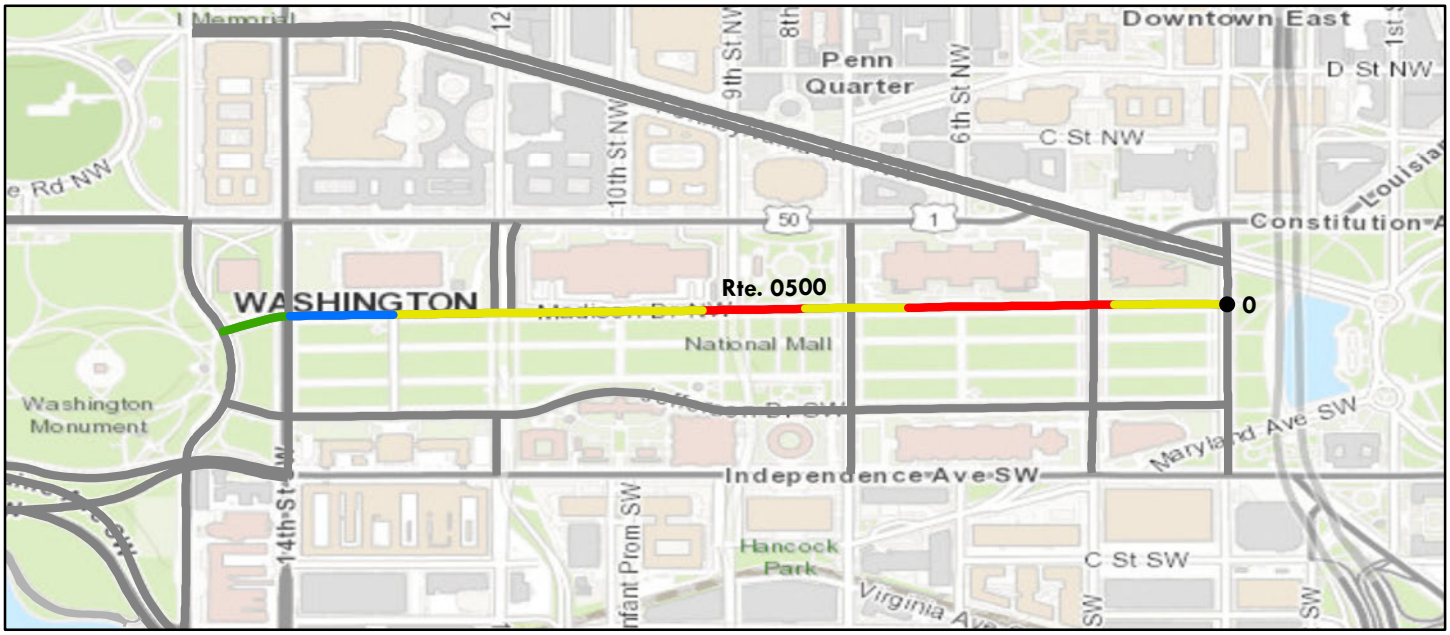
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.06	**Section Length (MI)**	0.06				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	79	79				
Surface Condition Rating (SCR)	79	79				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	96	96				
Alligator Crack Index	100	100				
Longitudinal Crack Index	96	96				
Transverse Cracking Index	96	96				
Patching Index	99	99				
Rutting Index	79	79				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	13	13				
Lane Width (ft)	13	13				

National Mall and Memorial Parks

ROUTE 0500: MADISON DRIVE NW

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

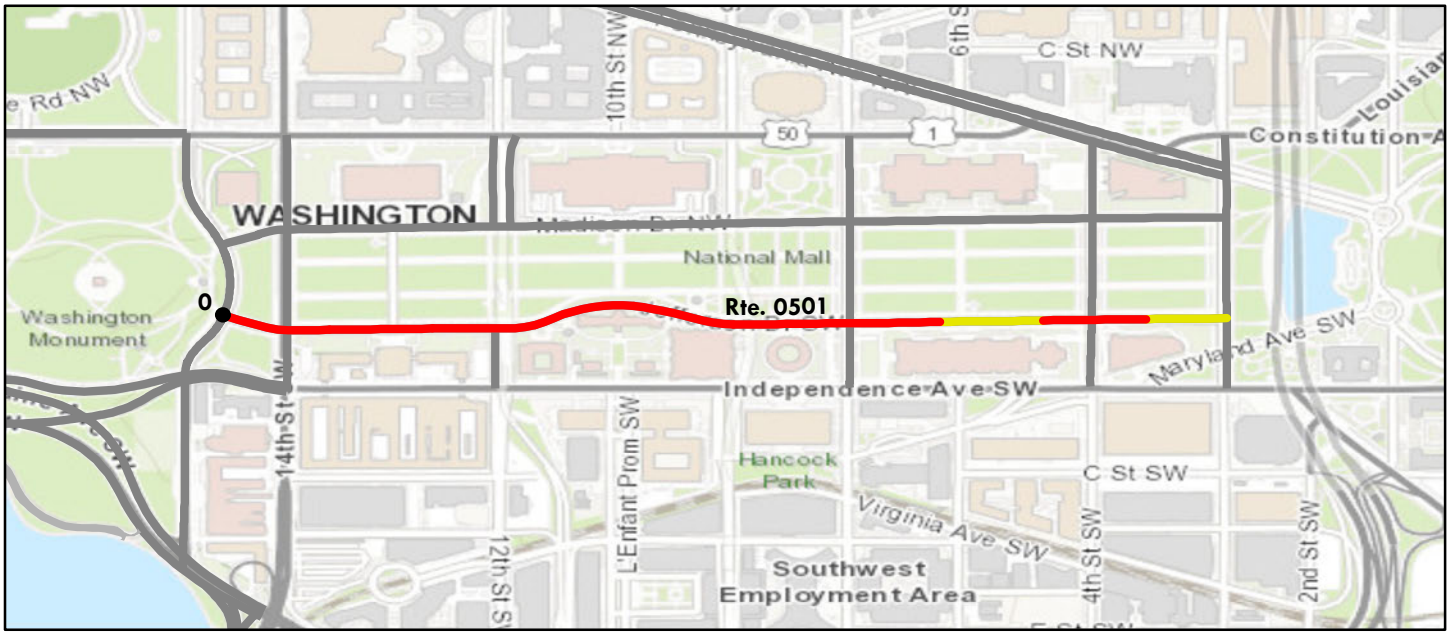
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.96	**Section Length (MI)**	0.96				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	75	75				
Surface Condition Rating (SCR)	75	75				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	75	75				
Alligator Crack Index	100	100				
Longitudinal Crack Index	75	75				
Transverse Cracking Index	92	92				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	34.8	34.8				
Lane Width (ft)	13.3	13.3				

National Mall and Memorial Parks

ROUTE 0501: JEFFERSON DRIVE SW

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.97	**Section Length (MI)**	0.97				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	46	46				
Surface Condition Rating (SCR)	46	46				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	50	50				
Alligator Crack Index	100	100				
Longitudinal Crack Index	50	50				
Transverse Cracking Index	46	46				
Patching Index	100	100				
Rutting Index	95	95				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	33.8	33.8				
Lane Width (ft)	18.9	18.9				

WIDE SHOULDER

National Mall and Memorial Parks

ROUTE 0506: WEST BASIN DRIVE SW

Data Collection Vehicle (DCV) Rating

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

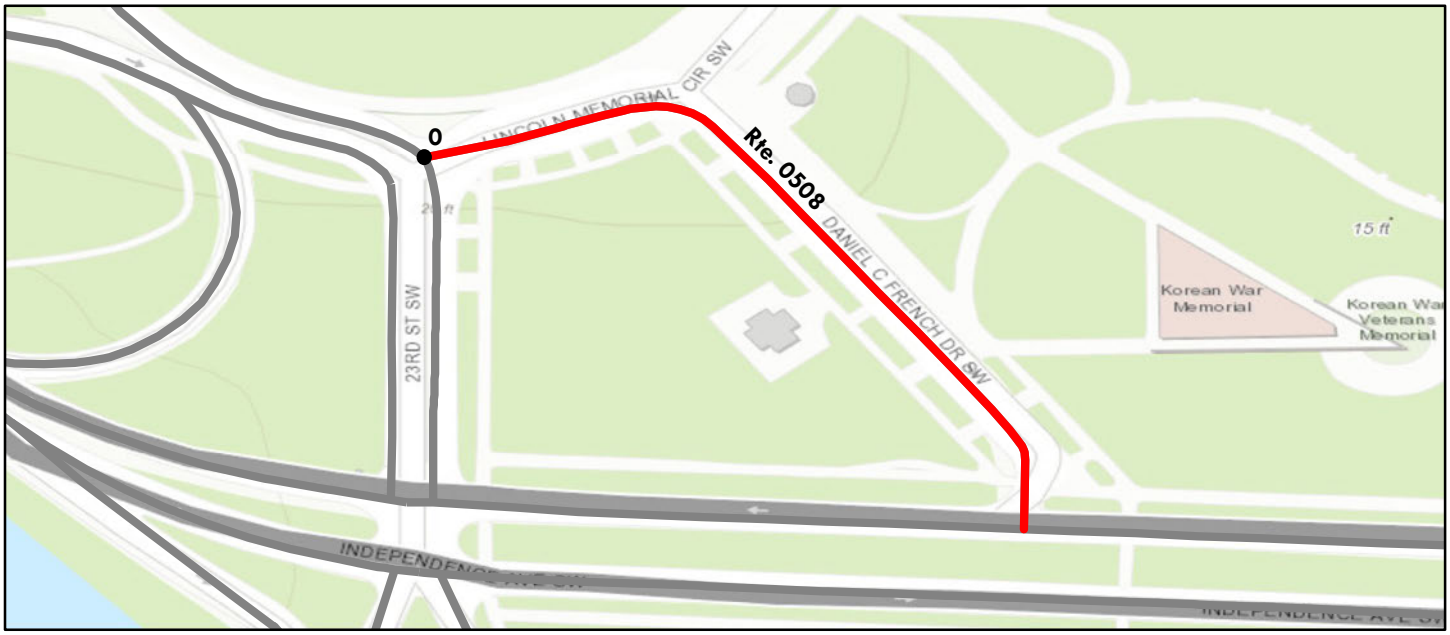
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.25	**Section Length (MI)**	0.25				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	39	39				
Surface Condition Rating (SCR)	39	39				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	39	39				
Alligator Crack Index	81	81				
Longitudinal Crack Index	58	58				
Transverse Cracking Index	70	70				
Patching Index	100	100				
Rutting Index	98	98				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	29.1	29.1				
Lane Width (ft)	14.3	14.3				

National Mall and Memorial Parks

ROUTE 0508: DANIEL FRENCH DRIVE SW

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

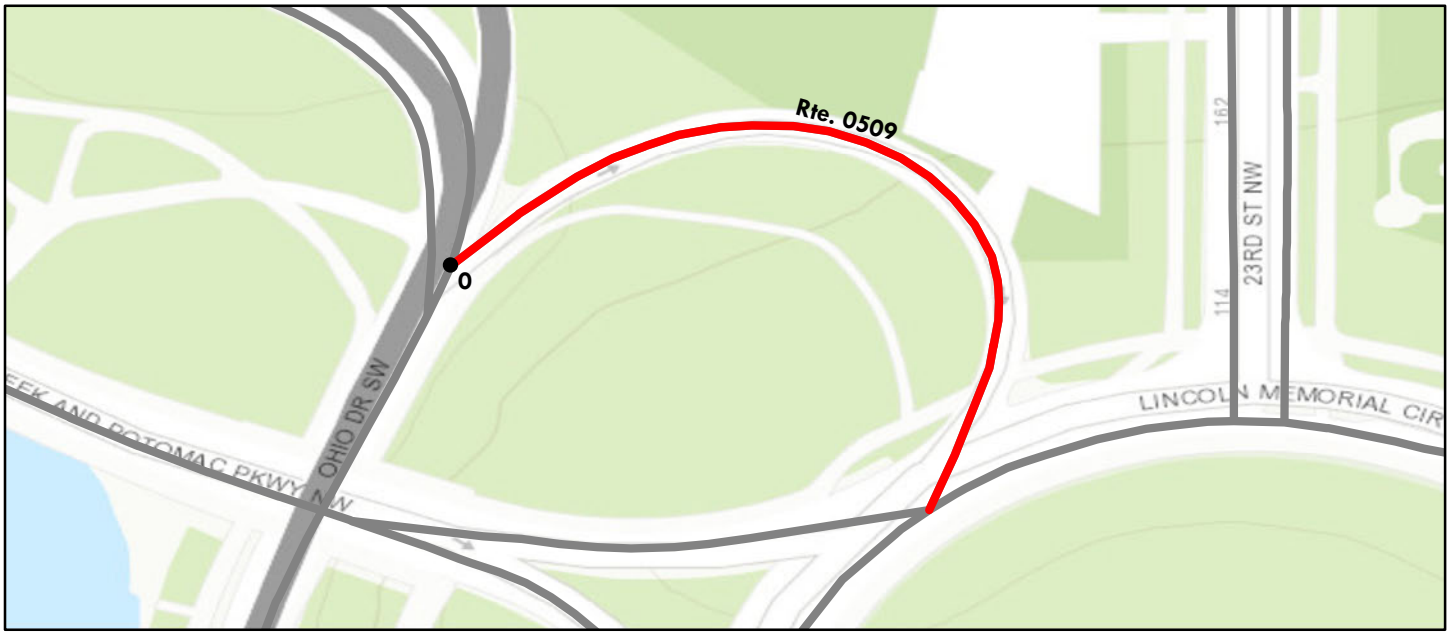
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.14	**Section Length (MI)**	0.14				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	48	48				
Surface Condition Rating (SCR)	48	48				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	48	48				
Alligator Crack Index	94	94				
Longitudinal Crack Index	54	54				
Transverse Cracking Index	84	84				
Patching Index	84	84				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	40.7	40.7				
Lane Width (ft)	33.6	33.6				

WIDE SHOULDER

National Mall and Memorial Parks

ROUTE 0509: OHIO DRIVE RAMP TO LINCOLN MEMORIAL CIRCLE

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

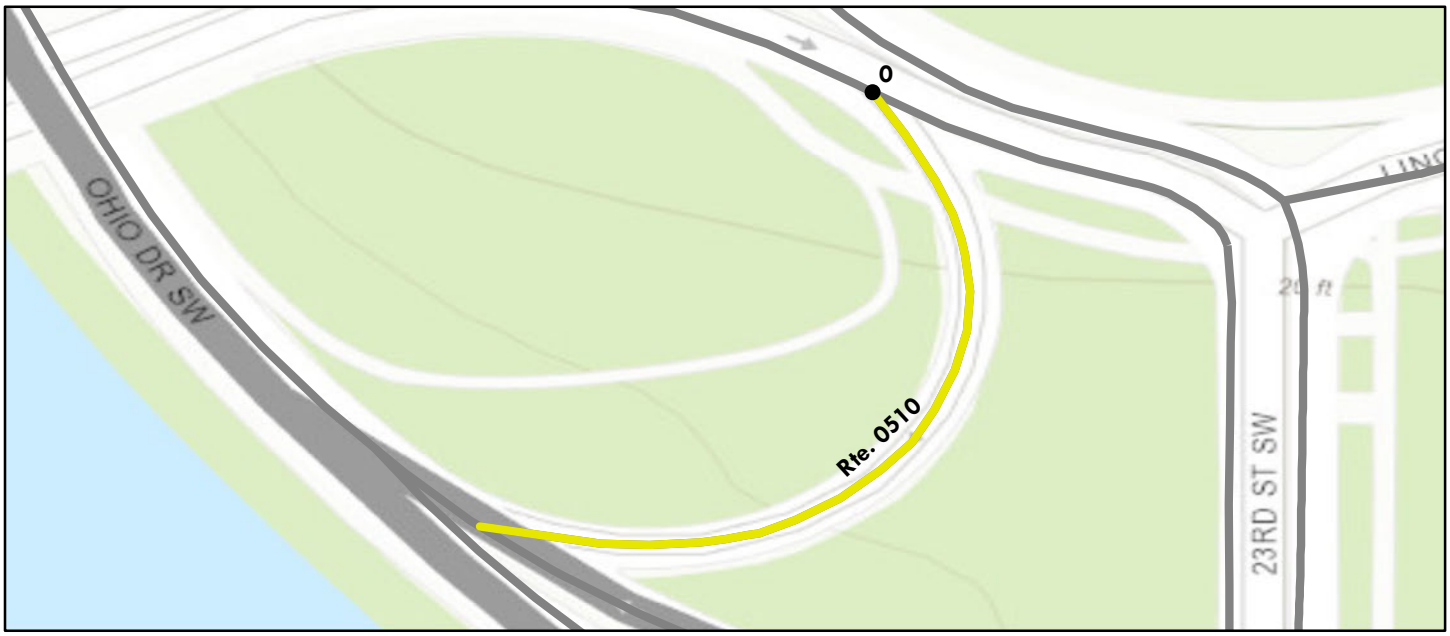
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.11	**Section Length (MI)**	0.11				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	71	71				
Longitudinal Crack Index	0	0				
Transverse Cracking Index	0	0				
Patching Index	99	99				
Rutting Index	90	90				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	26.3	26.3				
Lane Width (ft)	24.3	24.3				

WIDE SHOULDER

National Mall and Memorial Parks

ROUTE 0510: LINCOLN MEMORIAL CIRCLE RAMP TO OHIO DRIVE

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

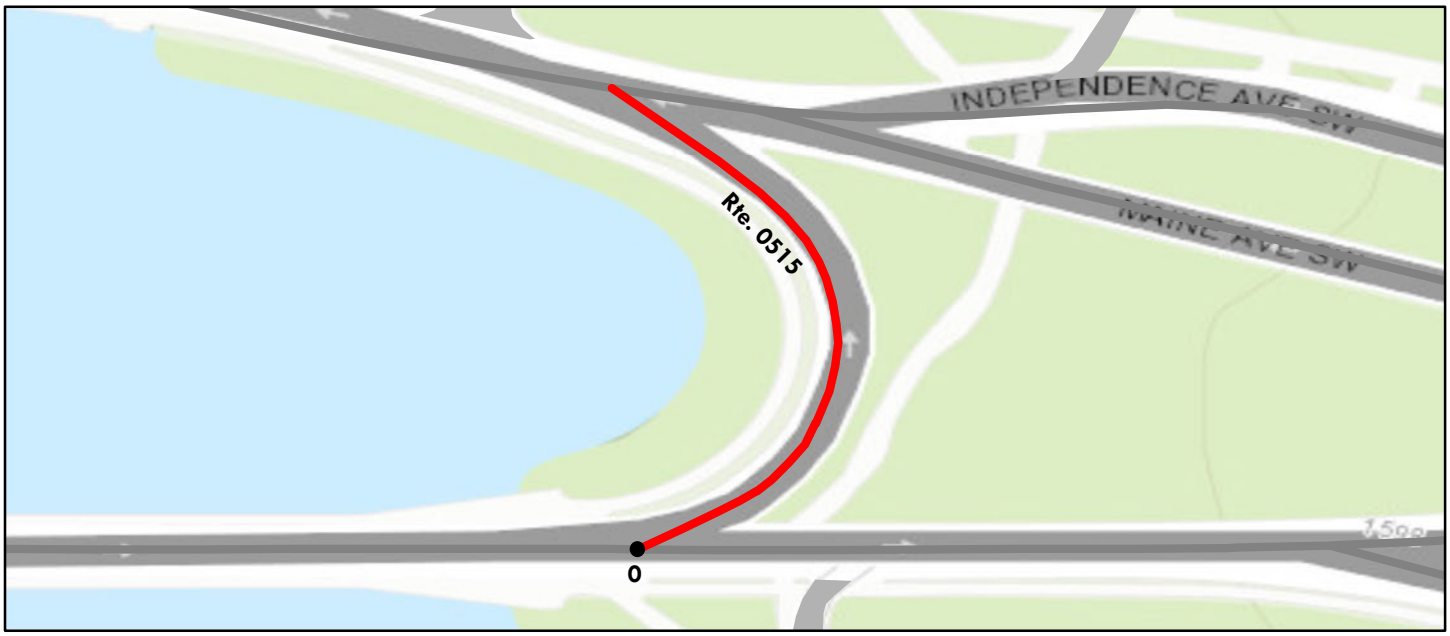
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.08	**Section Length (MI)**	0.08				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	80	80				
Surface Condition Rating (SCR)	80	80				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	80	80				
Alligator Crack Index	100	100				
Longitudinal Crack Index	80	80				
Transverse Cracking Index	81	81				
Patching Index	100	100				
Rutting Index	98	98				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	27.5	27.5				
Lane Width (ft)	21	21				

National Mall and Memorial Parks

ROUTE 0515: EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

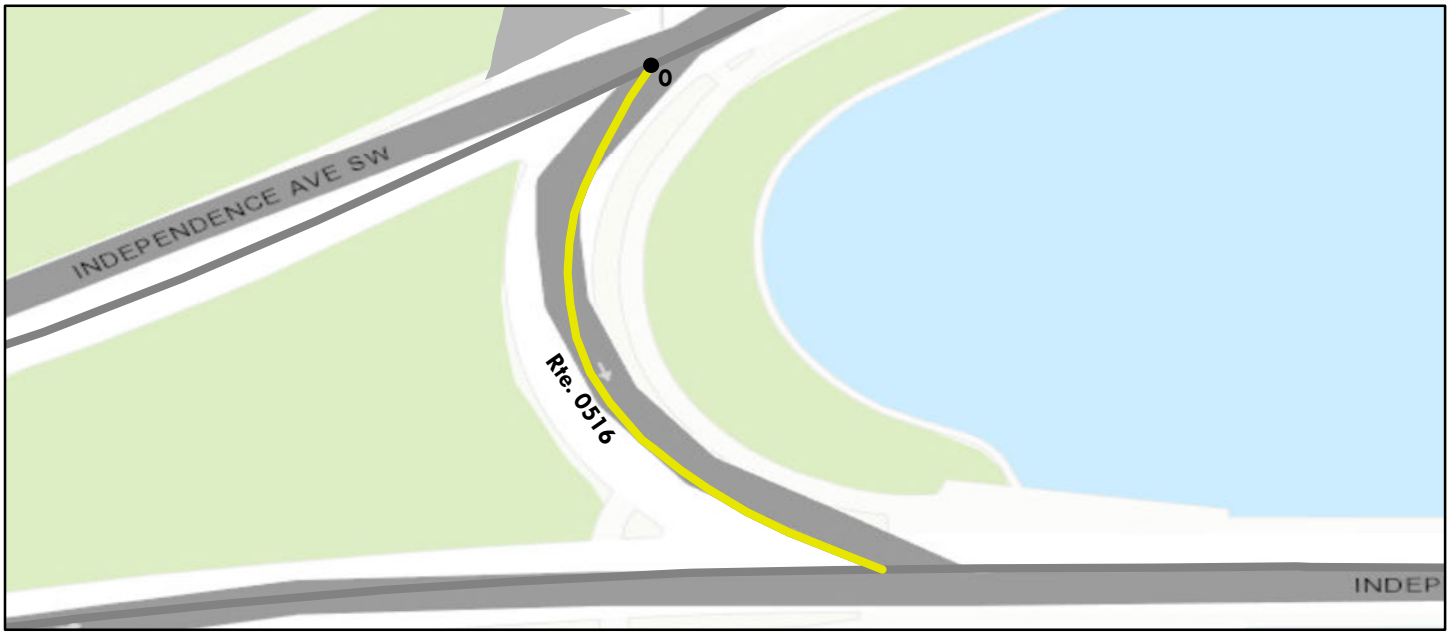
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.06	**Section Length (MI)**	0.06				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	51	51				
Surface Condition Rating (SCR)	51	51				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	65	65				
Alligator Crack Index	100	100				
Longitudinal Crack Index	65	65				
Transverse Cracking Index	51	51				
Patching Index	100	100				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	28.4	28.4				
Lane Width (ft)	28.4	28.4				

National Mall and Memorial Parks

ROUTE 0516: WESTBOUND TO EASTBOUND TIDAL BASIN TURNAROUND

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

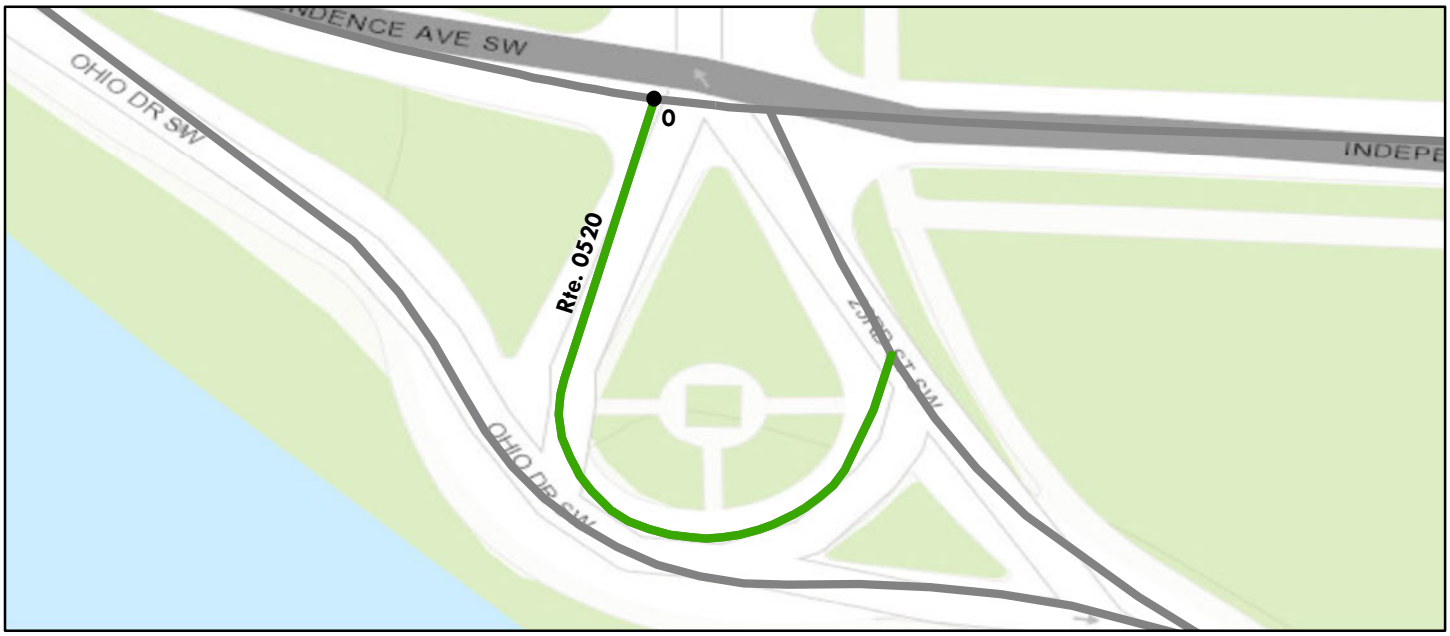
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.04	**Section Length (MI)**	0.04				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	70	70				
Surface Condition Rating (SCR)	70	70				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	78	78				
Alligator Crack Index	95	95				
Longitudinal Crack Index	83	83				
Transverse Cracking Index	70	70				
Patching Index	100	100				
Rutting Index	93	93				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	31.9	31.9				
Lane Width (ft)	15	15				

National Mall and Memorial Parks

ROUTE 0520: LOOP AT INDEPENDENCE AVE AND OHIO DRIVE

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.05	**Section Length (MI)**	0.05				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	93	93				
Surface Condition Rating (SCR)	93	93				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	99	99				
Patching Index	97	97				
Rutting Index	93	93				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	25.5	25.5				
Lane Width (ft)	25.5	25.5				

National Mall and Memorial Parks

ROUTE 0521: PARKWAY DRIVE TURNAROUND

Manual Rating

FROM ROUTE 0017ZZ (PARKWAY DRIVE NW AND SPURS)

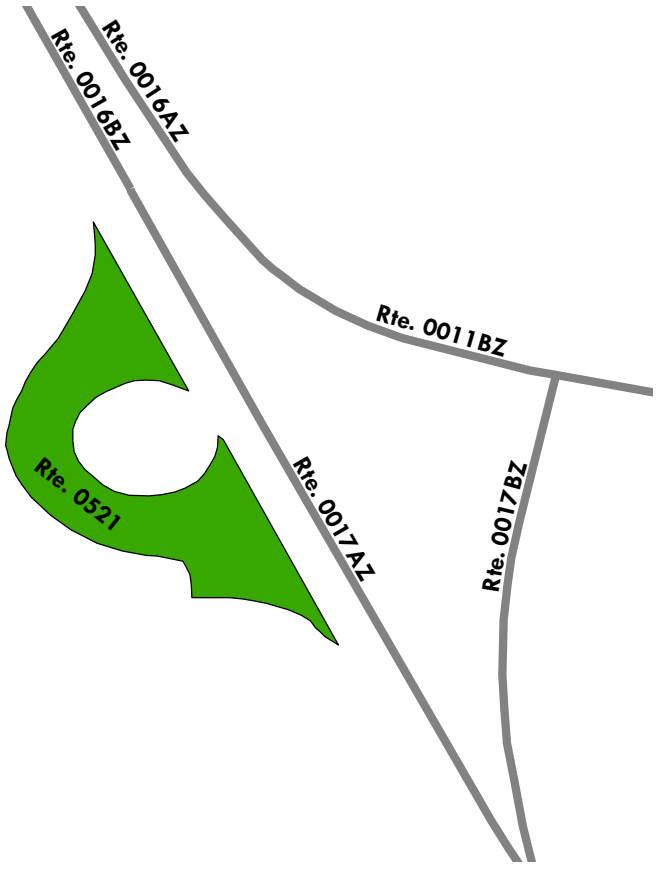
TO ROUTE 0017ZZ (PARKWAY DRIVE NW AND SPURS)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	104041	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Pavement Recommendation**	
5,711	0.098	PREVENTIVE MAINTENANCE	
Condition Rating / PCR			
GOOD / 90			

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

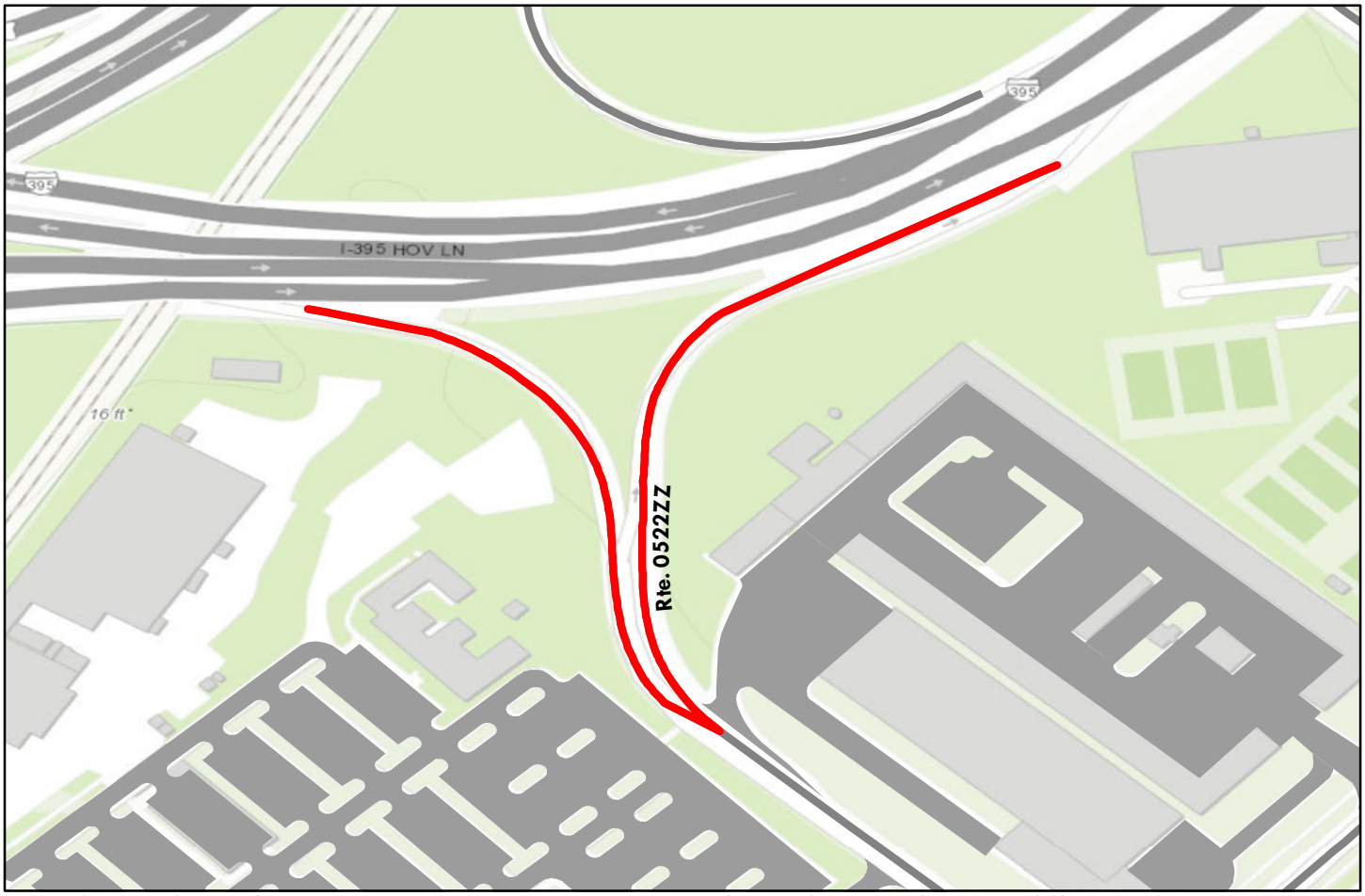
See Appendix for definitions and formulas



National Mall and Memorial Parks

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

Summary Route



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Note: The weighted average summary PCR value is calculated from only the sections of road where the PCR was collected. The overall PCR for the summary route may not reflect individual subcomponent ratings.

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

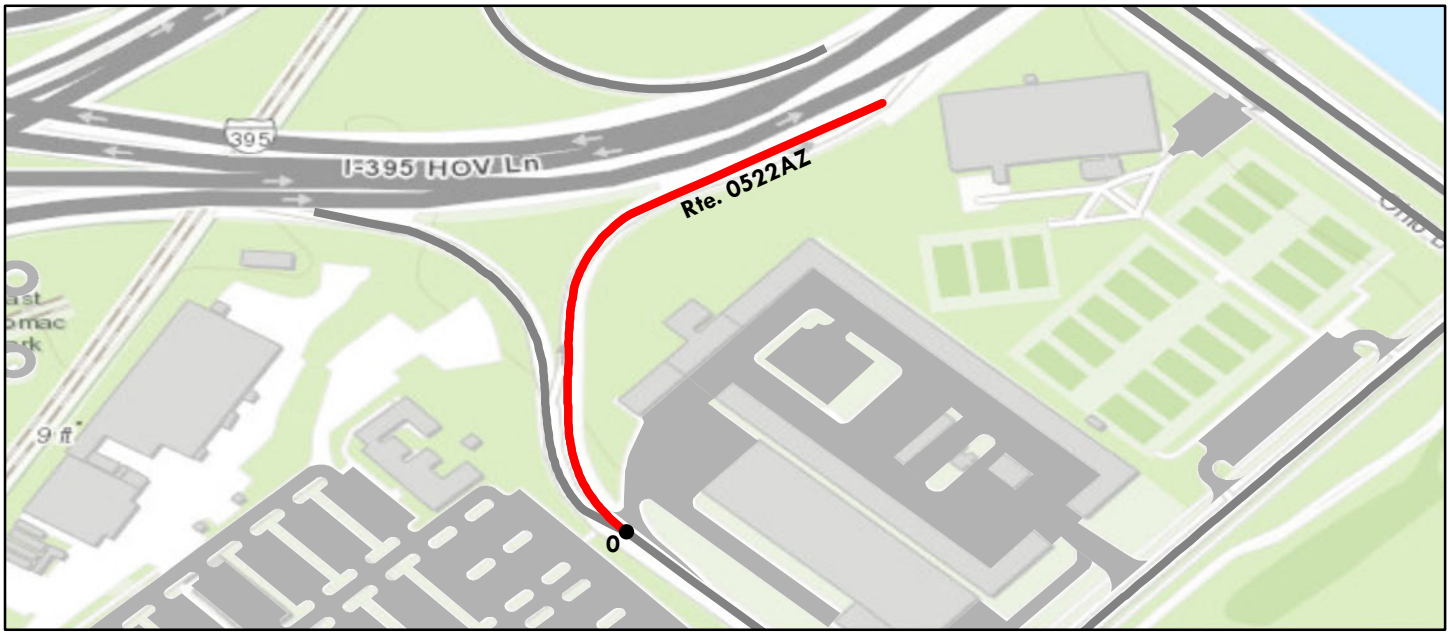
	Route Summary
Inspection Date: 6/14/2018	
Paved Length (Miles): 0.29	
Surface Type: ASPHALT	
Roadway Condition Information	
Pavement Condition Rating (PCR)	0
Lane & Width Information	
Number of Lanes	2
Paved Width (ft)	19.5
Lane Width (ft)	19.5

National Mall and Memorial Parks

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

Subcomponent of Route NAMA-0522ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

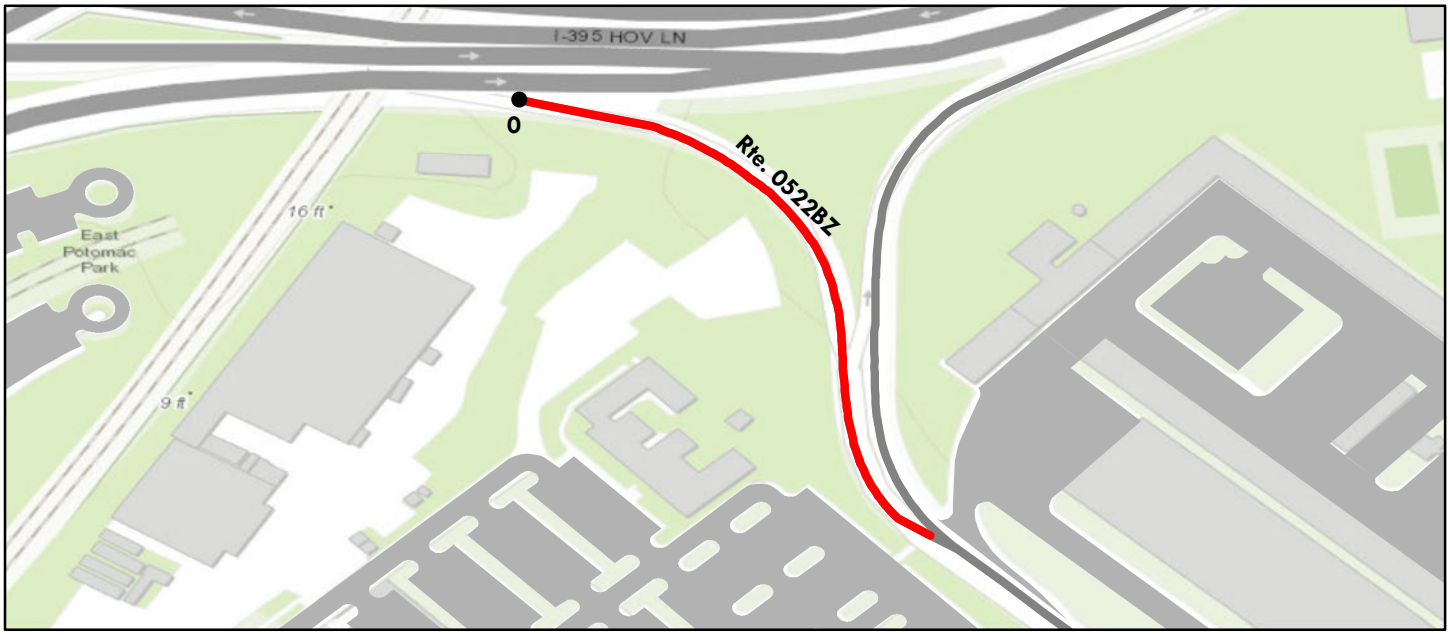
Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.17	**Section Length (MI)**	0.17				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	0	0				
Longitudinal Crack Index	0	0				
Transverse Cracking Index	0	0				
Patching Index	99	99				
Rutting Index	90	90				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	17.9	17.9				
Lane Width (ft)	17.9	17.9				

National Mall and Memorial Parks

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

Subcomponent of Route NAMA-0522ZZ

Data Collection Vehicle (DCV) Rating



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 6/14/2018	**Beginning Section MP**	0				
Paved Length (Miles): 0.12	**Section Length (MI)**	0.12				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	0	0				
Surface Condition Rating (SCR)	0	0				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	0	0				
Alligator Crack Index	0	0				
Longitudinal Crack Index	0	0				
Transverse Cracking Index	0	0				
Patching Index	99	99				
Rutting Index	88	88				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	21.7	21.7				
Lane Width (ft)	21.7	21.7				

Section 6
Paved Parking Area Condition Rating Sheets

National Mall and Memorial Parks

Federal Lands Highway
Road Inventory Program

National Mall and Memorial Parks

ROUTE 0901: BRENTWOOD MAINTENANCE FACILITY NORTHEAST

Manual Rating

FROM NEW YORK AVENUE NE

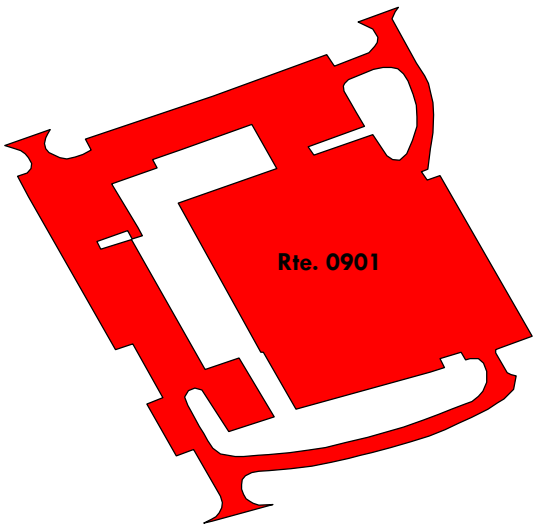
TO BRENTWOOD PARKWAY NE

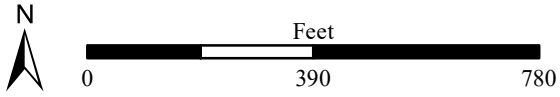
Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	40352	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
250,510	4.313	7	MODERATE REPAIR
Curb Type		**Curb & Gutter Type**	
CONCRETE		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas





National Mall and Memorial Parks

ROUTE 0903: USPP H-1 STABLES PARKING

Manual Rating

FROM ROUTE 0404 (ASH ROAD)

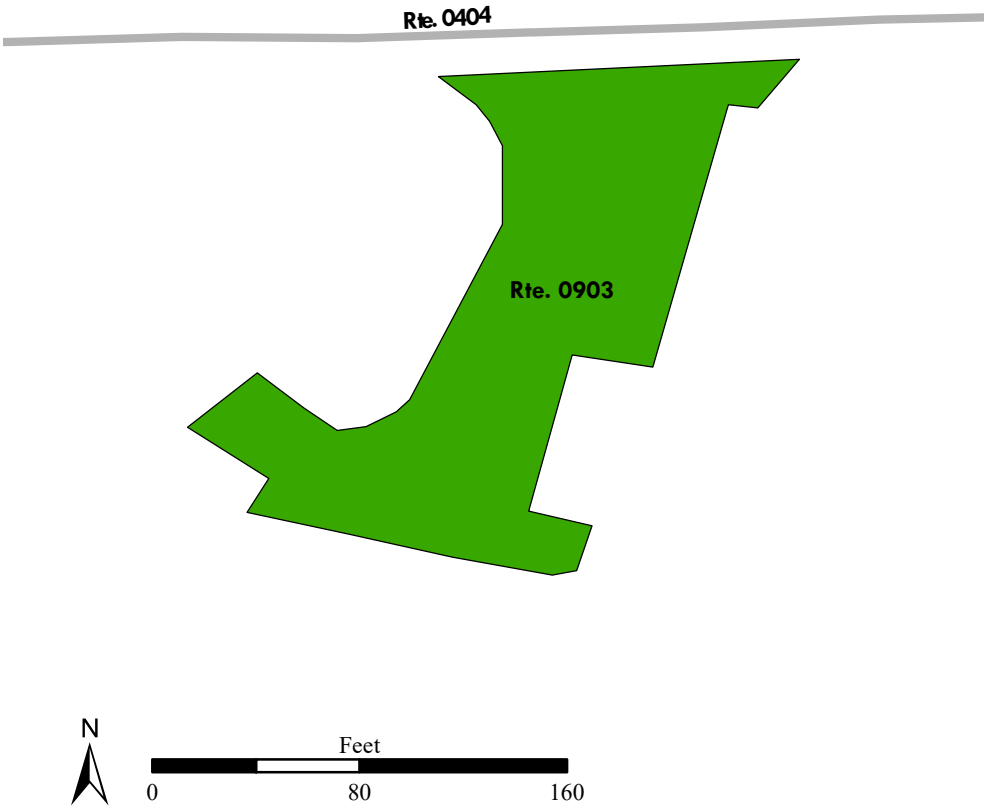
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	43894	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
13,581	0.234	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0904: SURVEY LODGE PARKING AREA

Manual Rating

FROM ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))

TO ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))

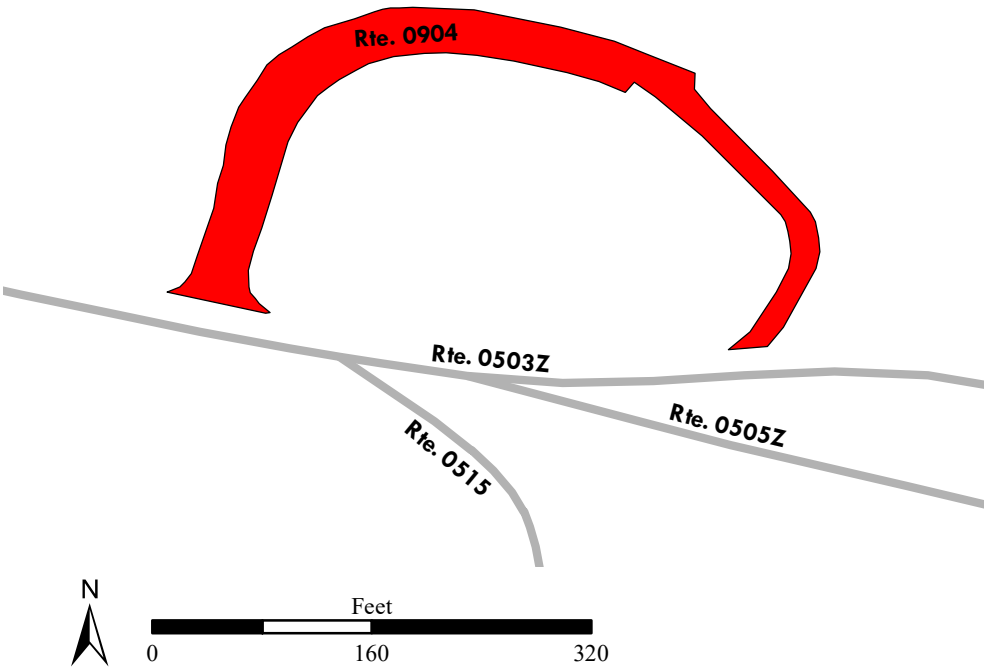
Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49862	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
16,753	0.288	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Note: Parking area consists of multiple surface types: 1 part Asphalt at 13,957 square feet; 1 part Concrete at 2,796 square feet.



National Mall and Memorial Parks

ROUTE 0905: TIDAL BASIN PARKING

Manual Rating

FROM ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))

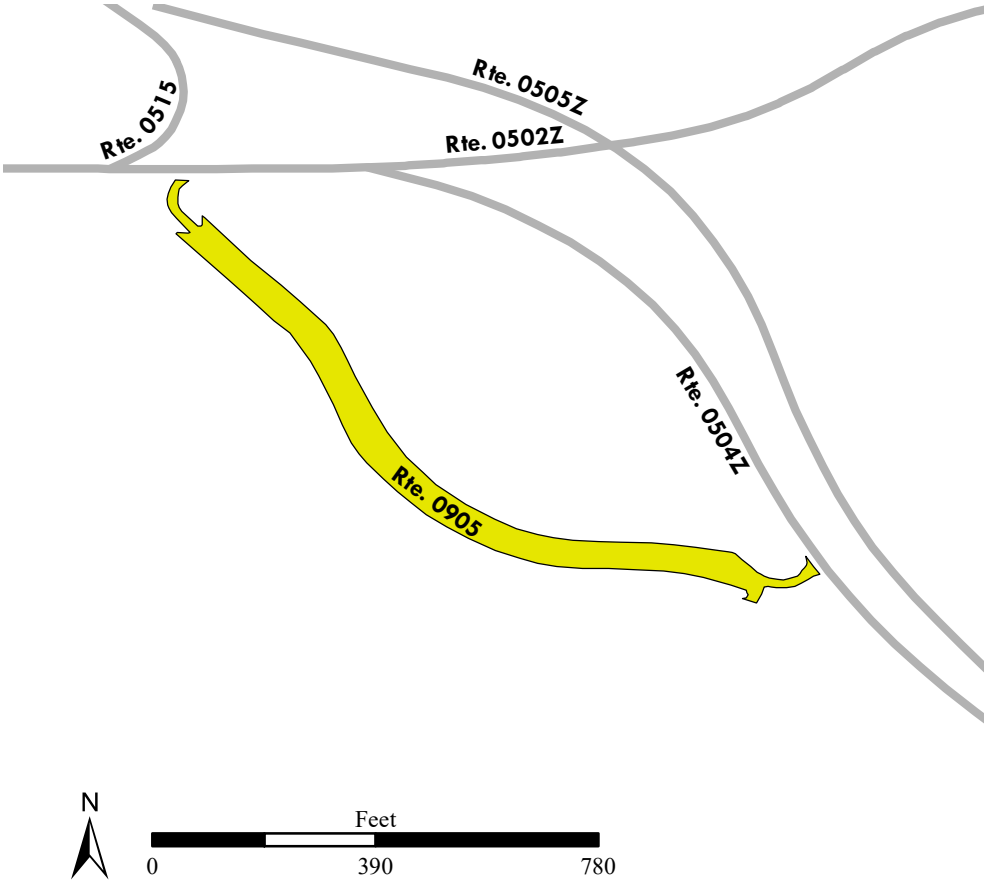
TO ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49863	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
53,893	0.928	NOT APPLICABLE	LIGHT REPAIR
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0907: NAMA HEADQUARTERS PARKING

Manual Rating

FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)

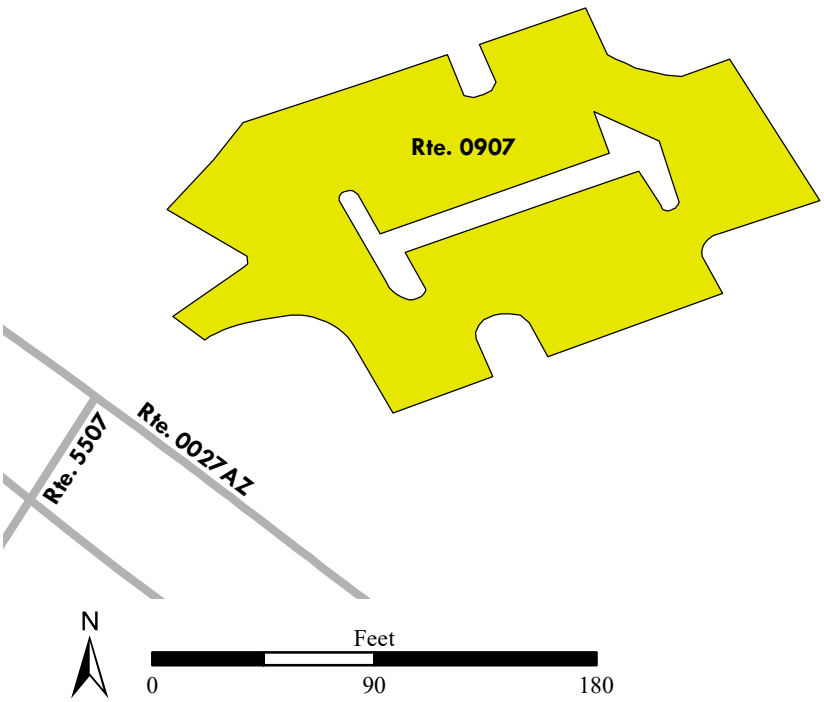
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49865	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
17,167	0.296	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0908: OHIO DRIVE TENNIS COURT PARKING

Manual Rating

FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)

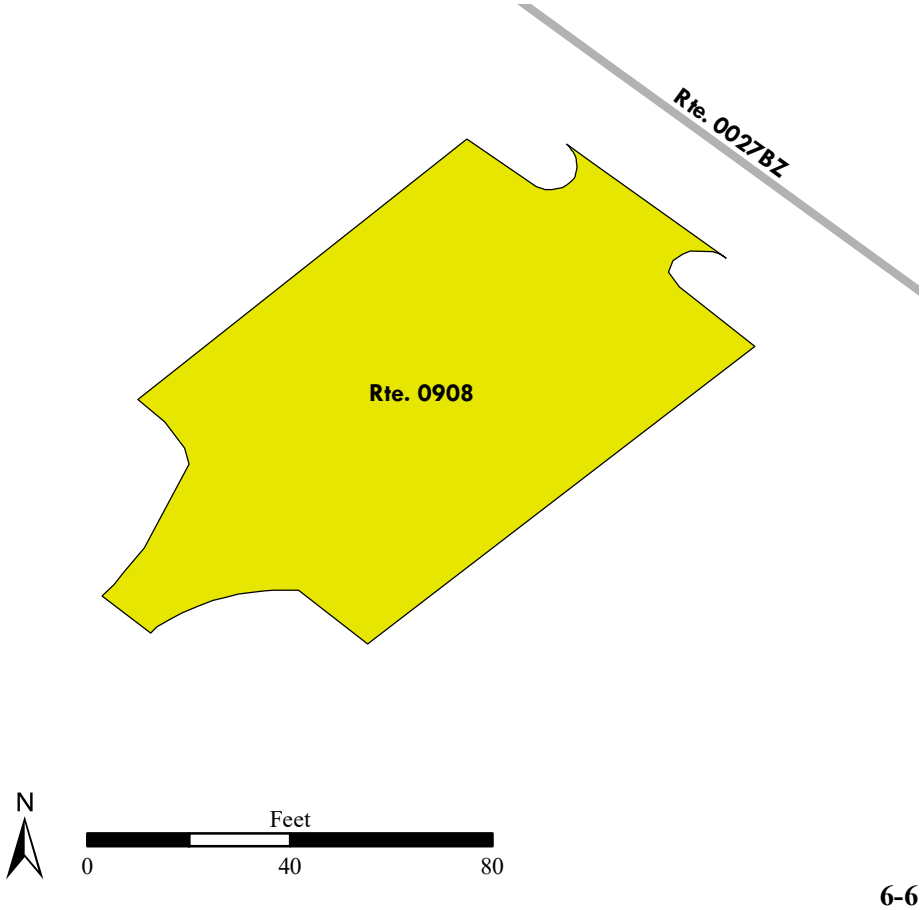
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49866	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
5,413	0.093	7	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0909ZZ: PARK POLICE ACCESS PARKINGS

Summary Route
Manual Rating

FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)

TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49867	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
29,802	0.514	SUMMARY / 53	

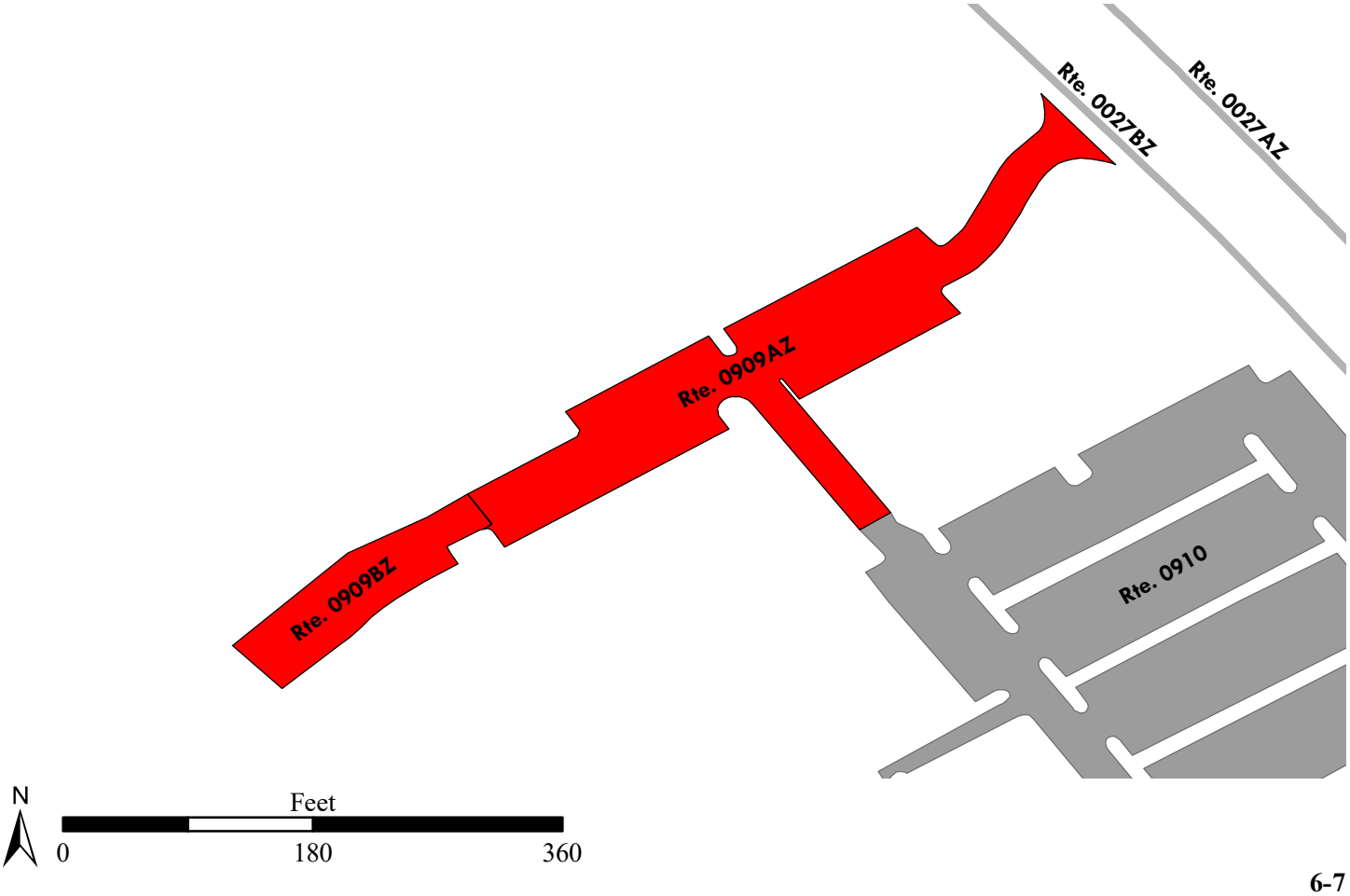
Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.

Rte. 0909ZZ
(2 Subcomponents)



National Mall and Memorial Parks

ROUTE 0909AZ: PARK POLICE ACCESS A

Subcomponent of Route NAMA-0909ZZ
Manual Rating

FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)

TO ROUTE 0909BZ (PARK POLICE ACCESS B)

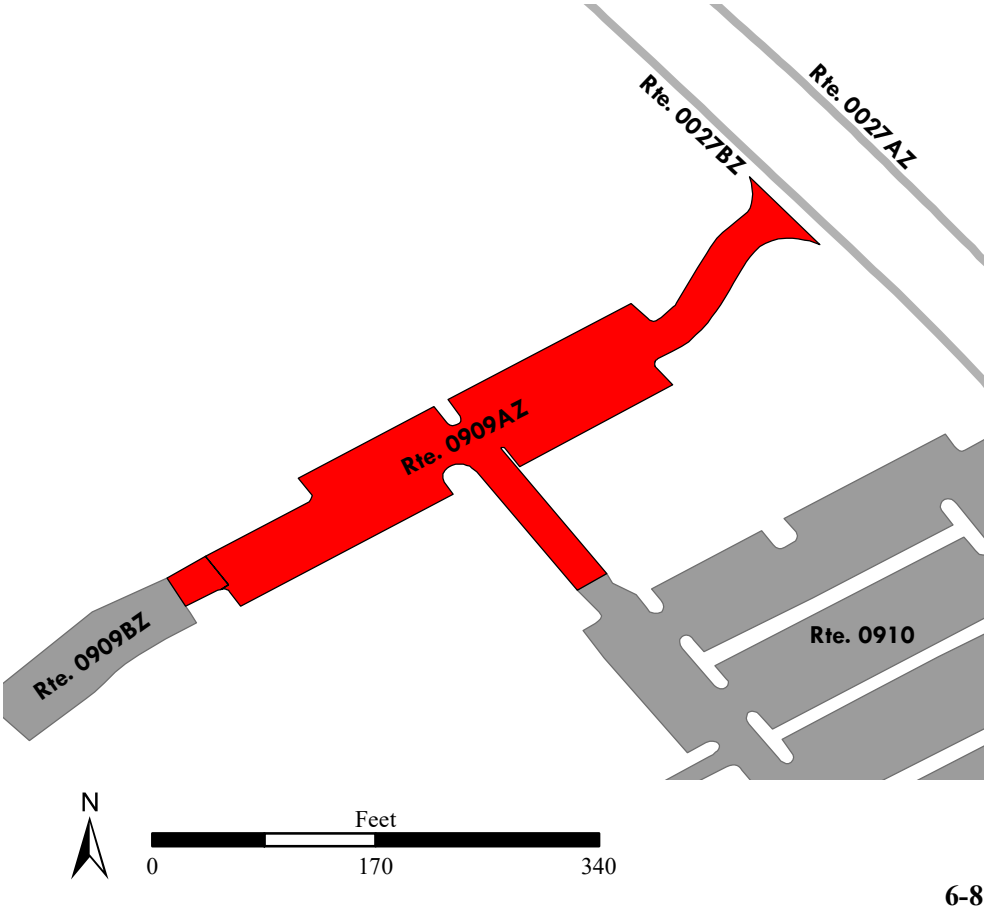
Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49867	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
24,021	0.414	8	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas

Note: Parking area consists of multiple surface types: 1 part Asphalt at 23,296 square feet; 1 part Concrete at 725 square feet.



National Mall and Memorial Parks

ROUTE 0909BZ: PARK POLICE ACCESS B

Subcomponent of Route NAMA-0909ZZ
Manual Rating

FROM ROUTE 0909AZ (PARK POLICE ACCESS A)

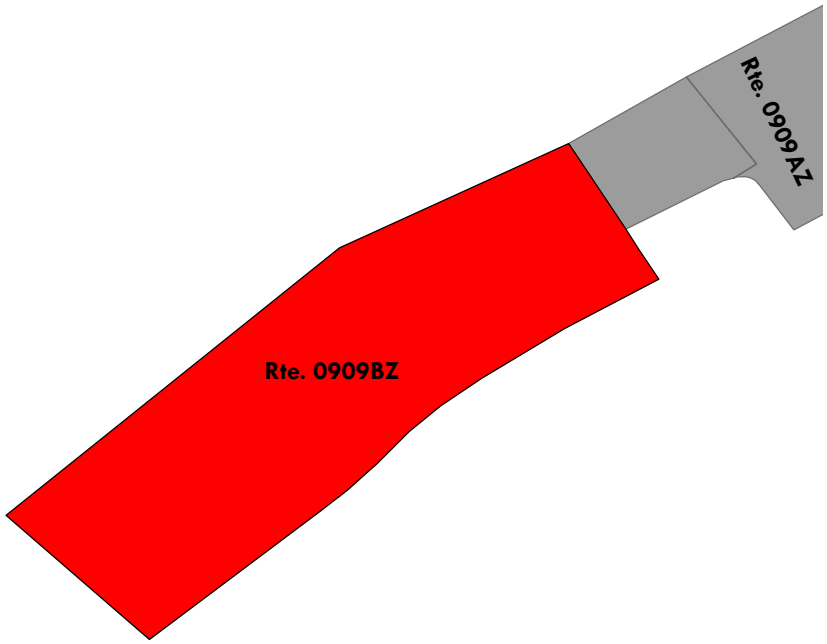
TO PARKING

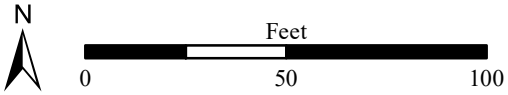
Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49867	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
5,781	0.1	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas





National Mall and Memorial Parks

ROUTE 0910: GOLF COURSE PARKING

Manual Rating

FROM ROUTE 0027ZZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD)

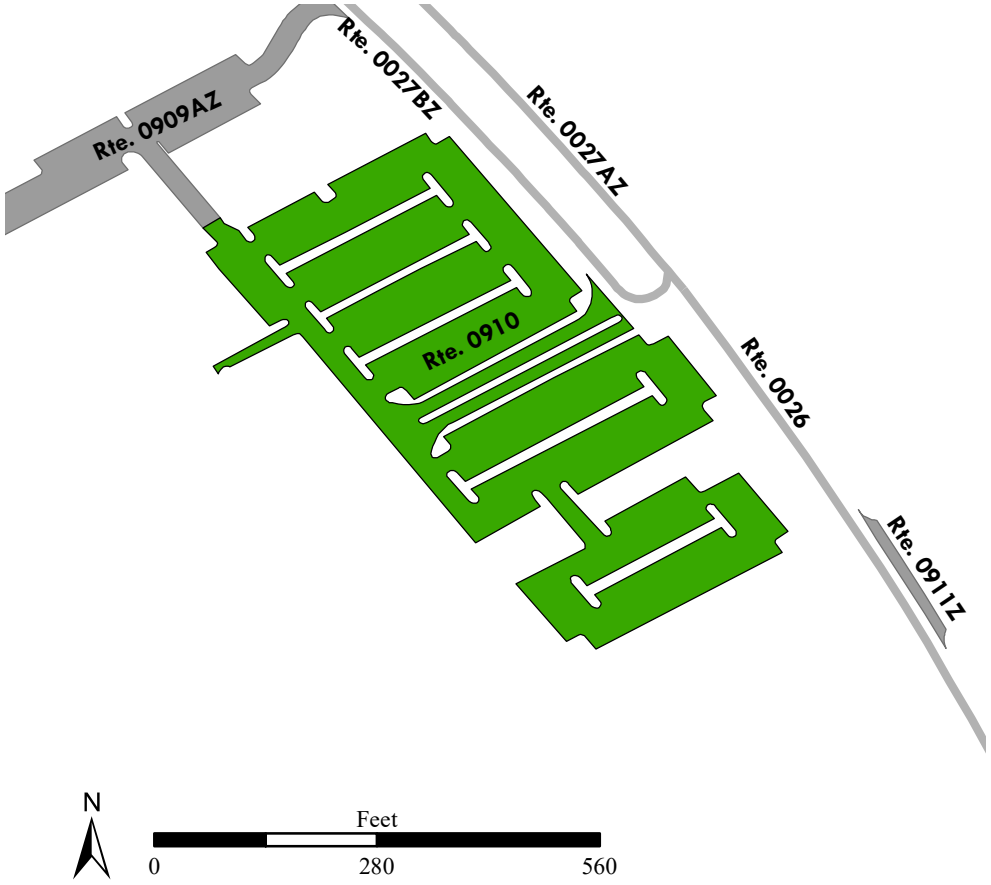
TO ROUTE 0909AZ (PARK POLICE ACCESS A)

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49868	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
136,284	2.346	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0939A: EAST POTOMAC PARK MAINTENANCE YARD

Manual Rating

FROM ROUTE 0013 (BUCKEYE DRIVE SW)

TO ROUTE 0939BZZ (EAST POTOMAC PARK TOURMOBILE PARKING)

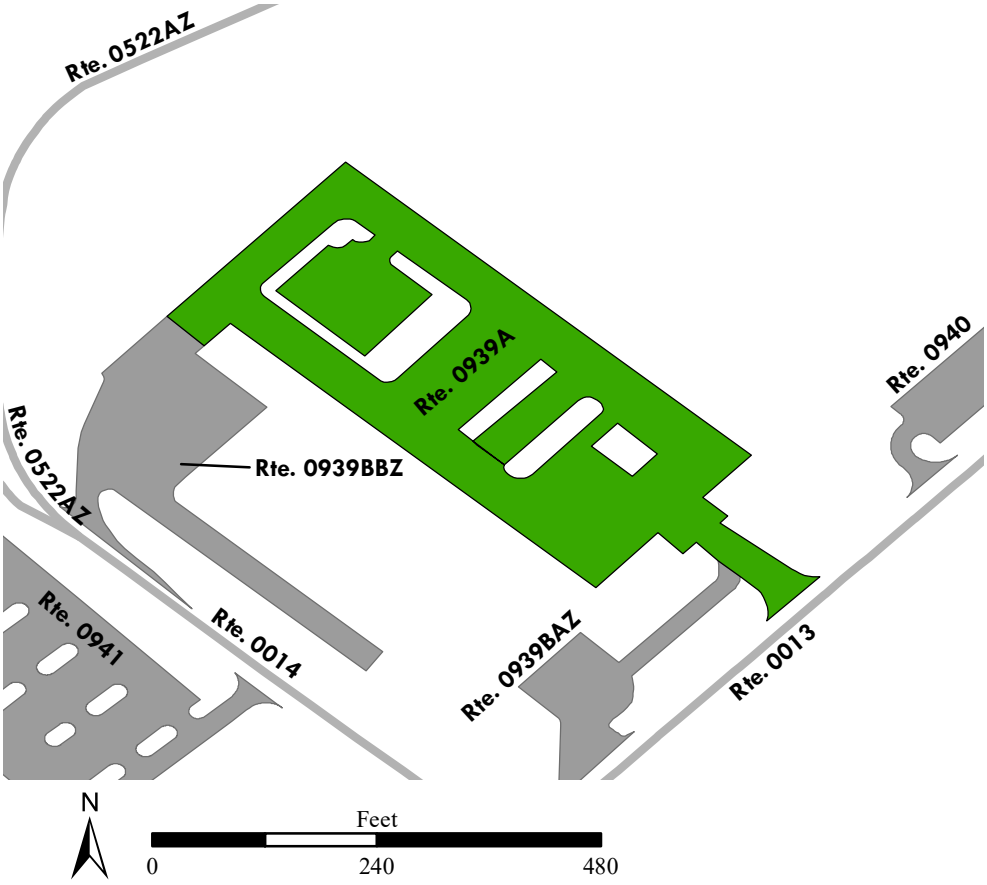
Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	40935	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
81,138	1.397	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Note: Parking area consists of multiple surface types: 1 part Asphalt at 77,550 square feet; 1 part Concrete at 3,588 square feet.



National Mall and Memorial Parks

ROUTE 0939BZZ: EAST POTOMAC PARK TOURMOBILE PARKING

Summary Route
Manual Rating

FROM ROUTE 0013 (BUCKEYE DRIVE SW) AND ROUTE 0014 (NAMA - MAIN STREET)

TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49927	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
37,009	0.637	SUMMARY / 67	

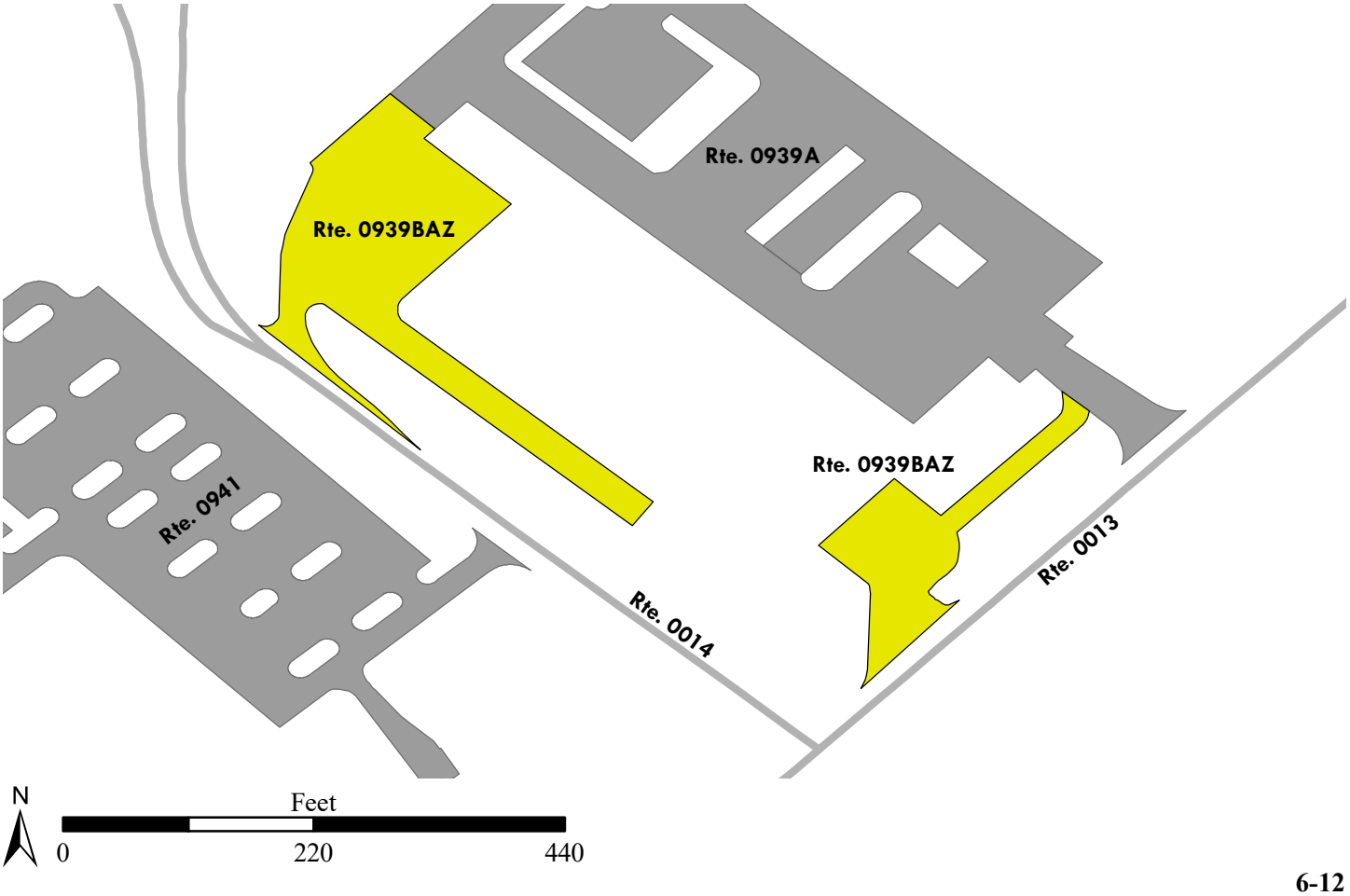
Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.

Rte. 0939BZZ
(2 Subcomponents)



National Mall and Memorial Parks

ROUTE 0939BAZ: EAST POTOMAC PARK TOURMOBILE PARKING - FRONT

Subcomponent of Route NAMA-0939BZZ
Manual Rating

FROM ROUTE 0013 (BUCKEYE DRIVE SW)

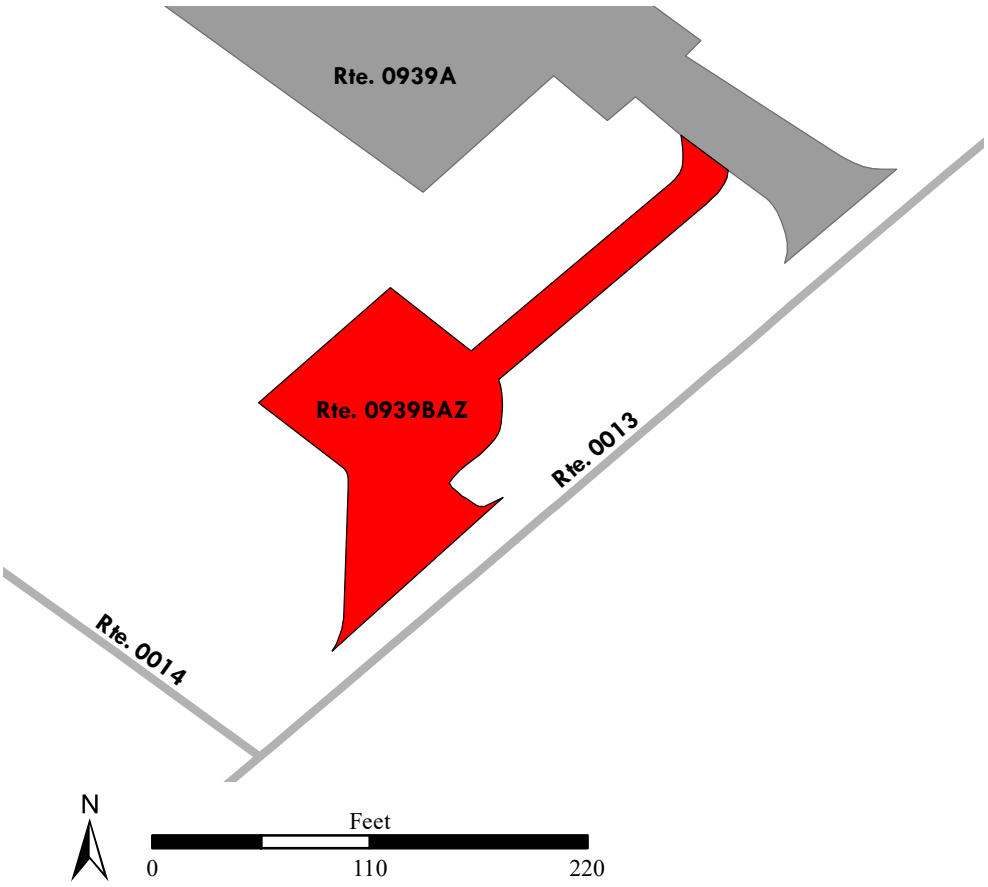
TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49927	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
10,882	0.187	NOT APPLICABLE	LIGHT REPAIR
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
HEAVY 3R TREATMENTS		POOR / 53	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0939BBZ: EAST POTOMAC PARK TOURMOBILE PARKING - BACK

Subcomponent of Route NAMA-0939BZZ
Manual Rating

FROM ROUTE 0014 (NAMA - MAIN STREET)

TO ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)

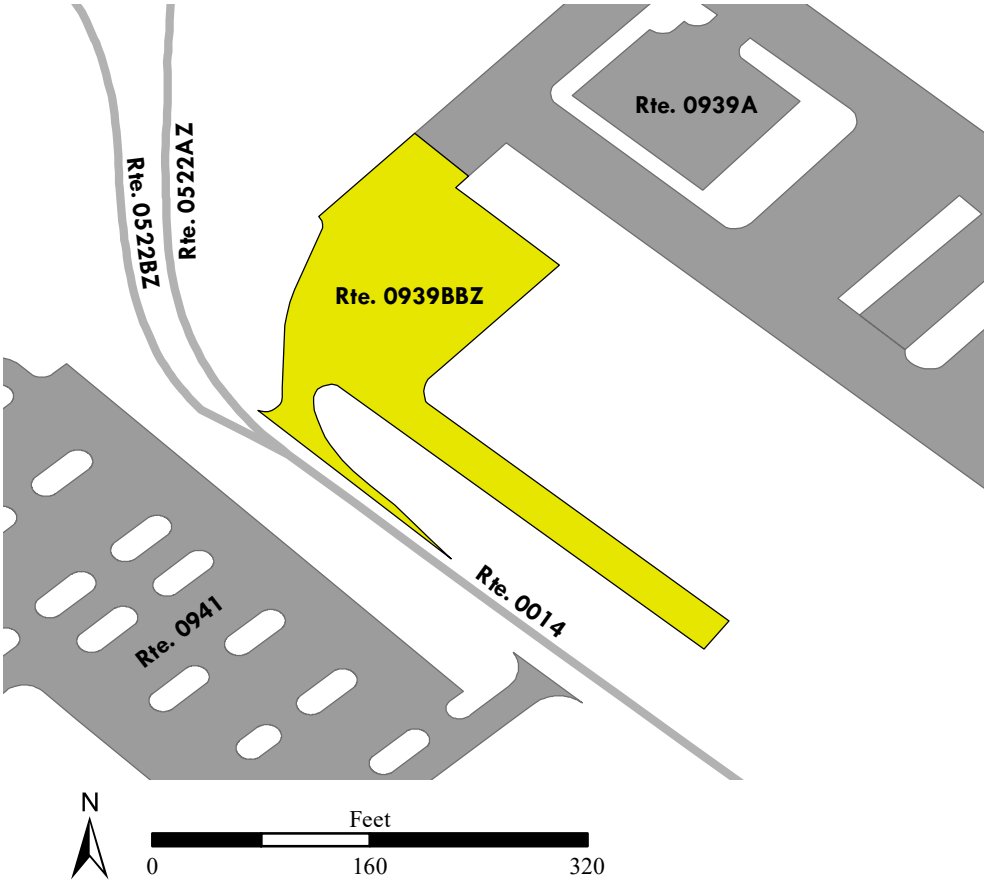
Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49927	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
26,127	0.45	NOT APPLICABLE	LIGHT REPAIR
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Note: Parking area consists of multiple surface types: 1 part Asphalt at 20,098 square feet; 1 part Concrete at 6,029 square feet.



National Mall and Memorial Parks

ROUTE 0940: BUCKEYE DRIVE TENNIS COURT PARKING

Manual Rating

FROM ROUTE 0013 (BUCKEYE DRIVE SW)

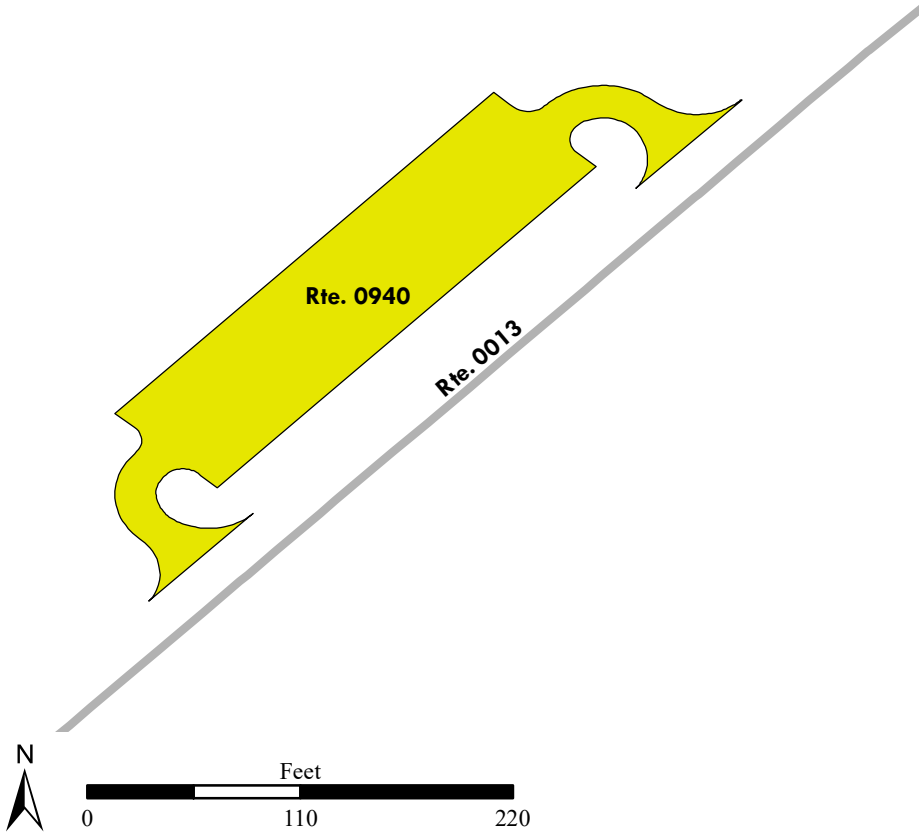
TO ROUTE 0013 (BUCKEYE DRIVE SW)

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49929	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
15,666	0.27	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0941: NATIONAL CAPITOL REGION HEADQUARTERS PARKING

Manual Rating

FROM ROUTE 0011ZZ (OHIO DRIVE SW)

TO ROUTE 0014 (NAMA - MAIN STREET)

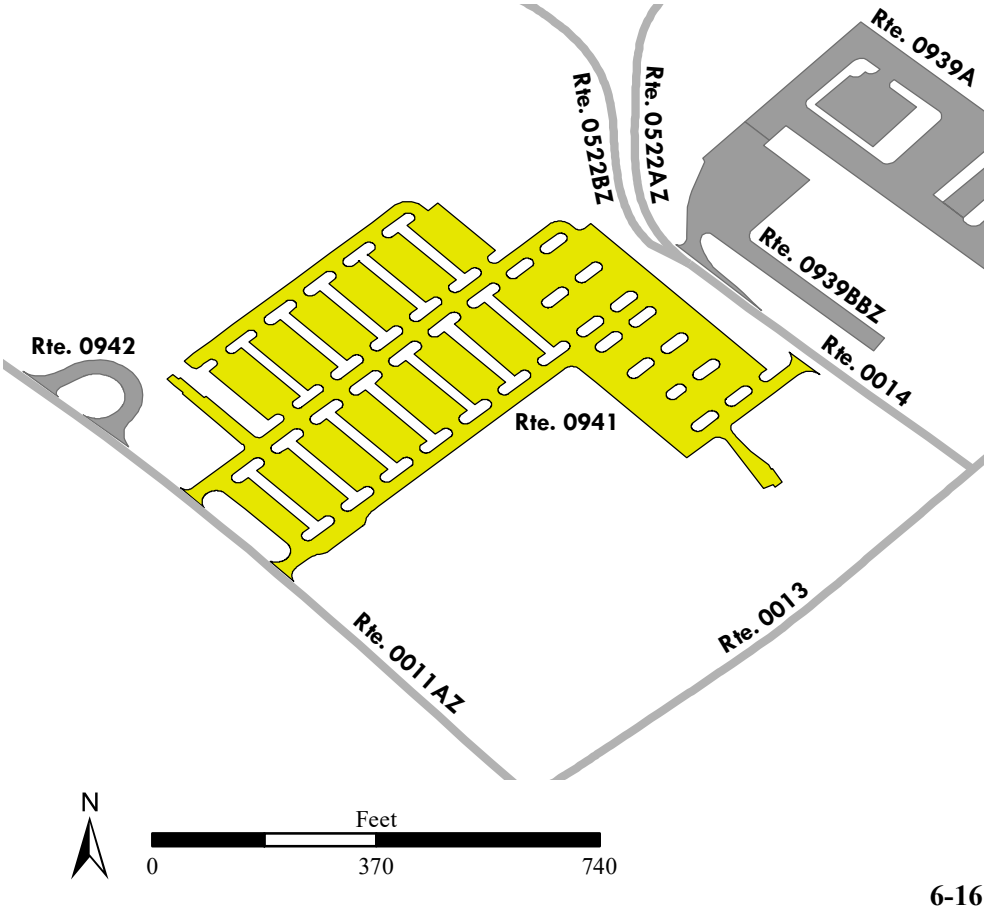
Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49931	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
181,489	3.125	NOT APPLICABLE	LIGHT REPAIR
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

Note: Parking area consists of multiple surface types: 1 part Asphalt at 176,828 square feet; 3 parts Concrete at 4,661 square feet.



National Mall and Memorial Parks

ROUTE 0942: EAST POTOMAC PARK BUS TURNAROUND

Manual Rating

FROM ROUTE 0011ZZ (OHIO DRIVE SW)

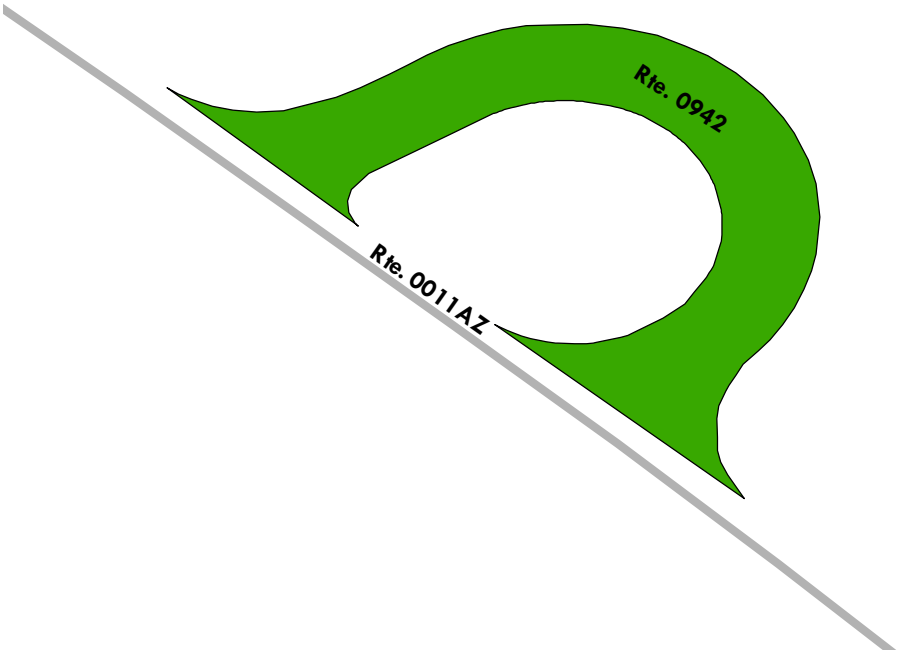
TO ROUTE 0011ZZ (OHIO DRIVE SW)

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49933	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
5,799	0.1	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0943: EAST POTOMAC PARK PARKING C

Manual Rating

FROM ROUTE 0011ZZ (OHIO DRIVE SW)

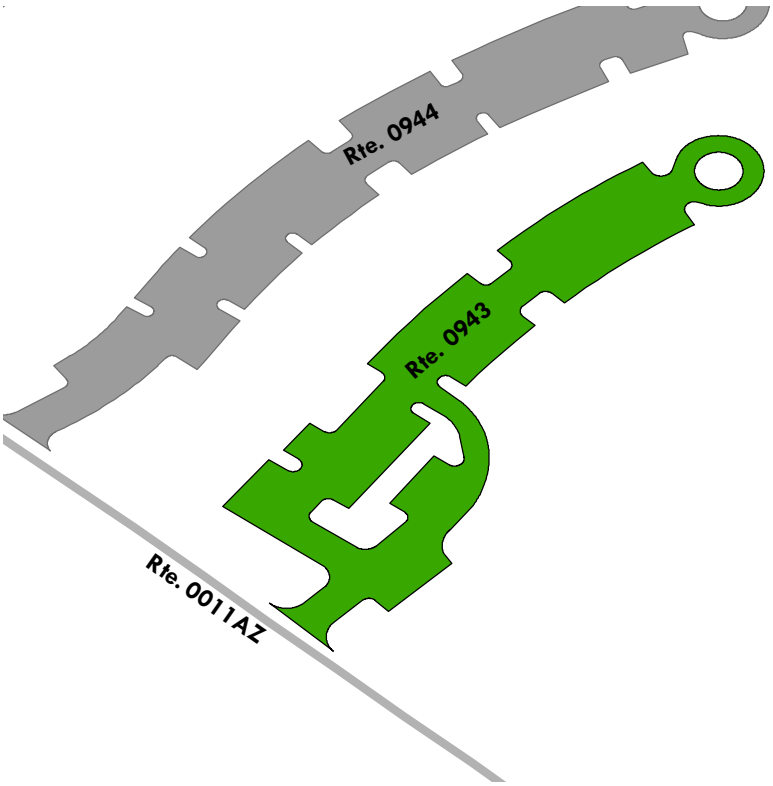
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49934	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
25,522	0.439	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0944: EAST POTOMAC PARK PARKING B

Manual Rating

FROM ROUTE 0011ZZ (OHIO DRIVE SW)

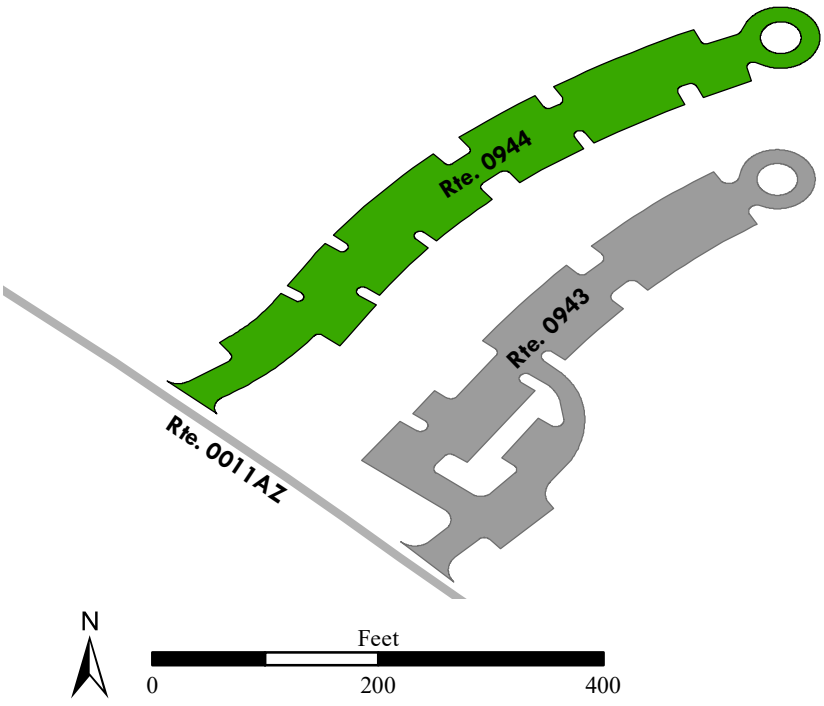
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49935	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
25,963	0.447	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0945: EAST POTOMAC PARK PARKING A

Manual Rating

FROM ROUTE 0011ZZ (OHIO DRIVE SW)

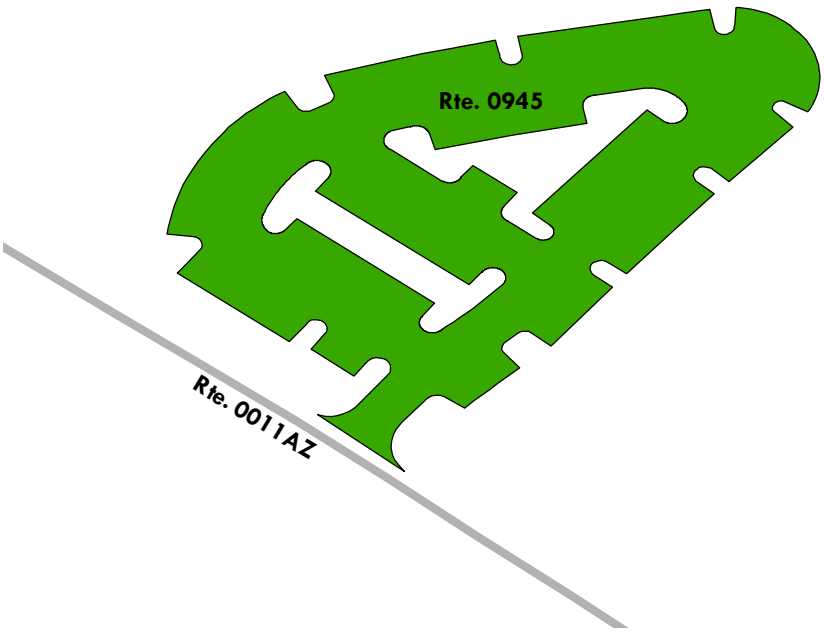
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49937	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
34,120	0.587	NOT APPLICABLE	LIGHT REPAIR
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0946: FDR MEMORIAL HANDICAPPED PARKING

Manual Rating

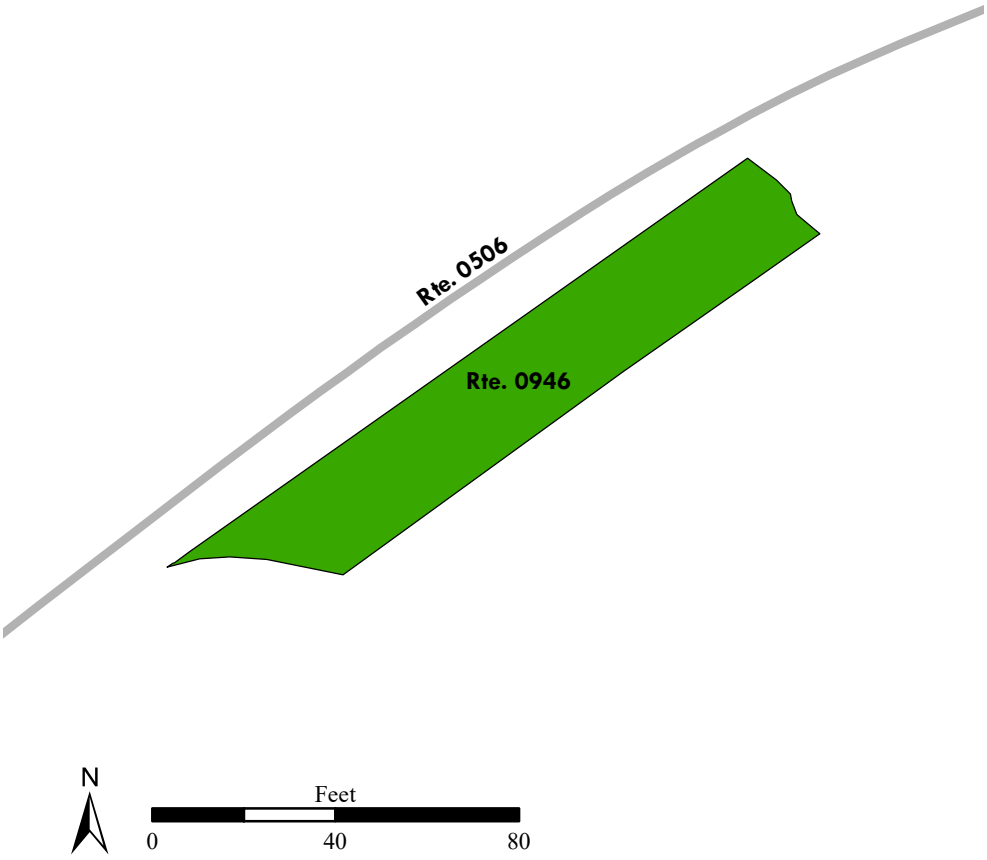
ADJACENT TO ROUTE 0506 (WEST BASIN DRIVE SW)

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	N/A	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,476	0.043	5	DO NOTHING
Curb Type		**Curb & Gutter Type**	
STONE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0957: WORLD WAR II / HOMEFRONT DRIVE HANDICAPPED PARKING

Manual Rating

FROM ROUTE 0020ZZ (17TH STREET NW AND SW)

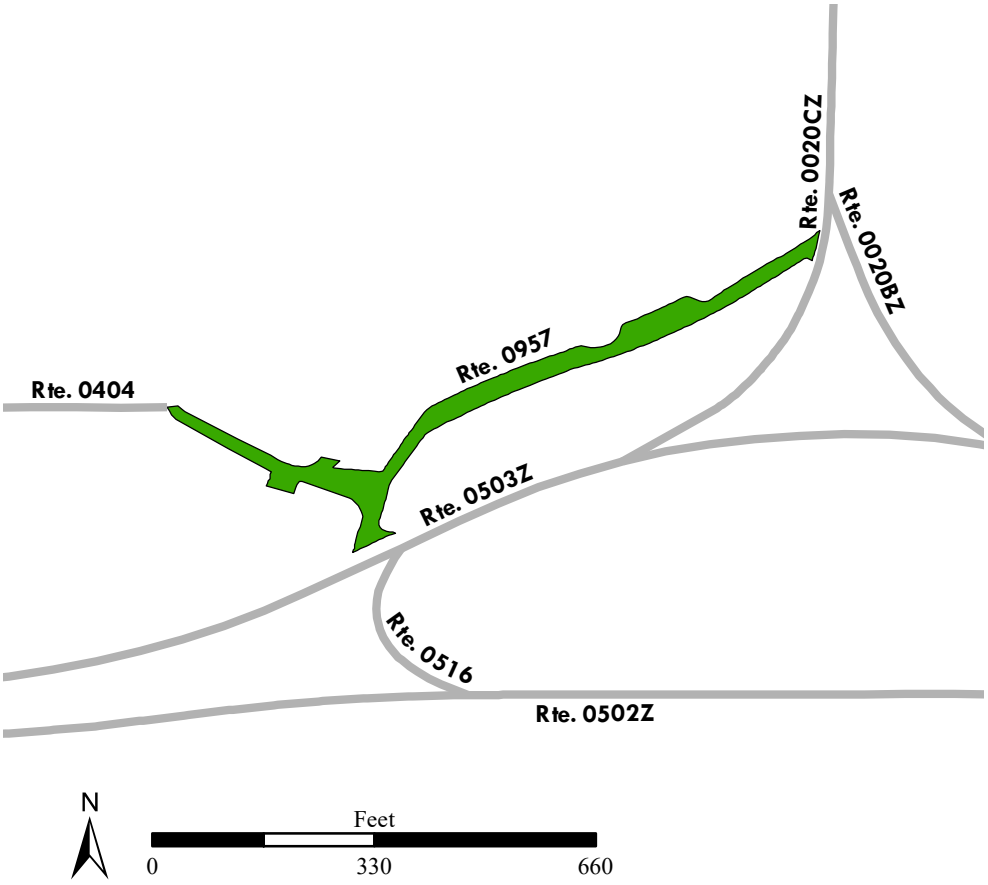
TO ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	89577	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
25,963	0.447	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
STONE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0958: JEFFERSON MEMORIAL CLOSED PARKING

Manual Rating

FROM ROUTE 0012ZZ (EAST BASIN DRIVE SW)

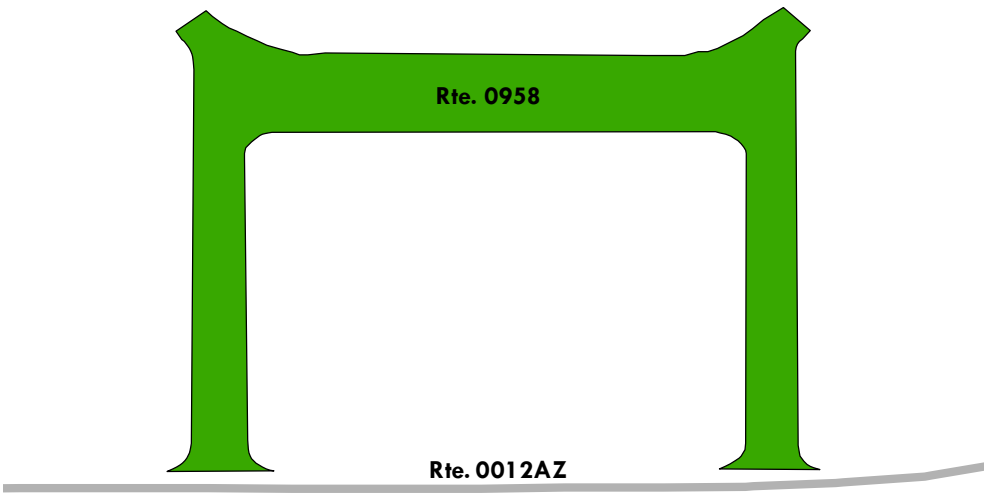
TO ROUTE 0012ZZ (EAST BASIN DRIVE SW)

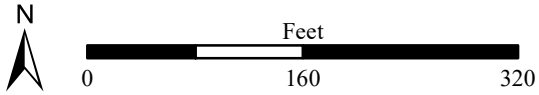
Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	N/A	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
37,896	0.652	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
STONE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas





National Mall and Memorial Parks

ROUTE 0959ZZ: HAINS POINT PARKINGS

Summary Route
Manual Rating

ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
118,091	2.037	SUMMARY / 86	

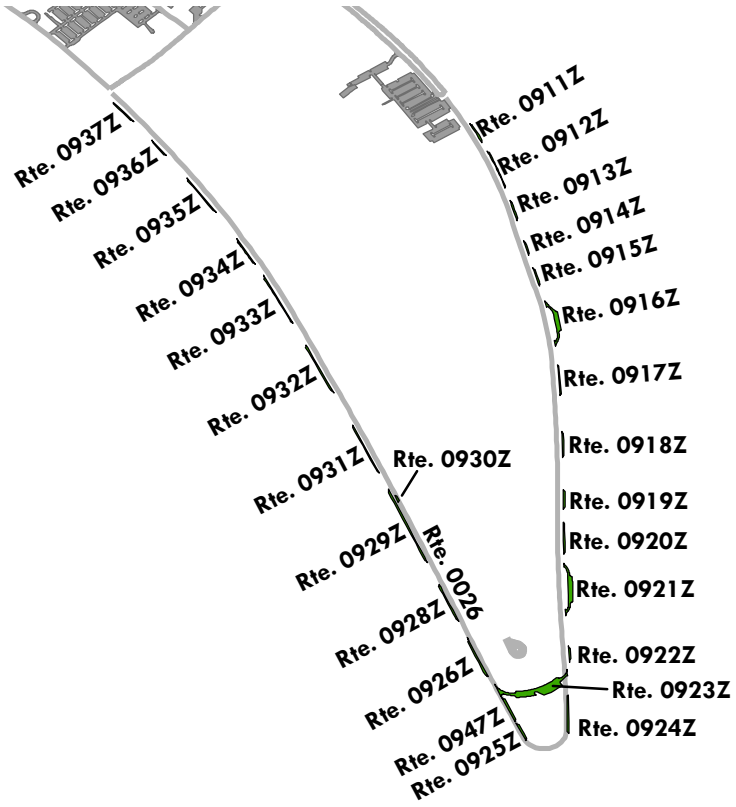
Route Condition Legend – Pavement Condition Rating (PCR)

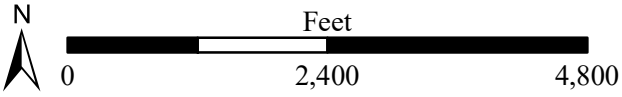
Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

The condition shown on this page reflects the overall route condition and may not reflect individual subcomponent ratings.

Rte. 0959ZZ
(27 Subcomponents)





National Mall and Memorial Parks

ROUTE 0911Z: HAINS POINT PARKING #1

Subcomponent of Route NAMA-0959ZZ
Manual Rating

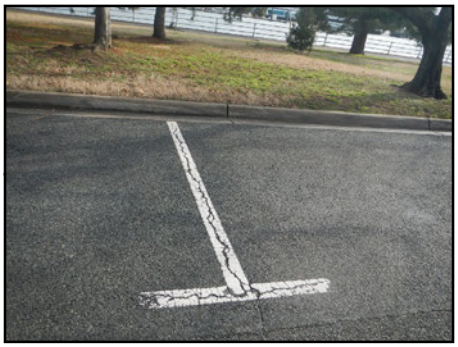
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

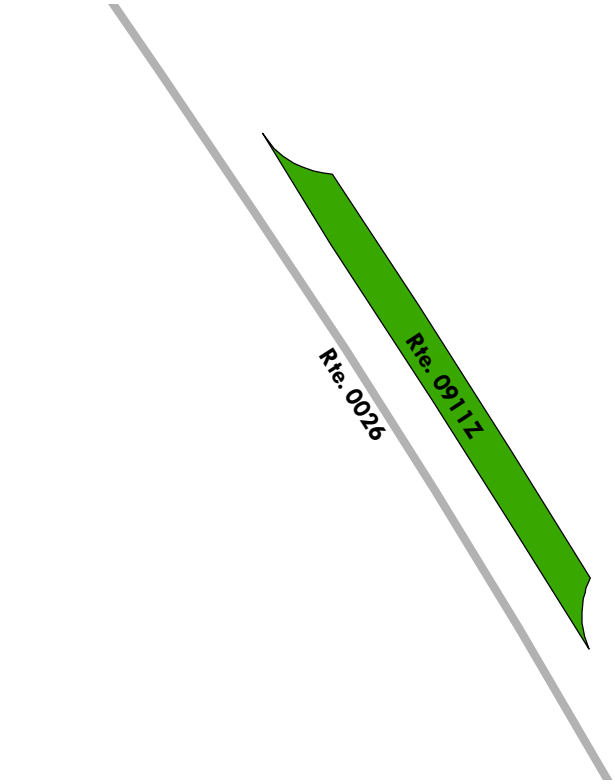
Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,829	0.031	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

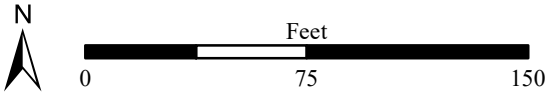
Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas







National Mall and Memorial Parks

ROUTE 0912Z: HAINS POINT PARKING #2

Subcomponent of Route NAMA-0959ZZ
Manual Rating

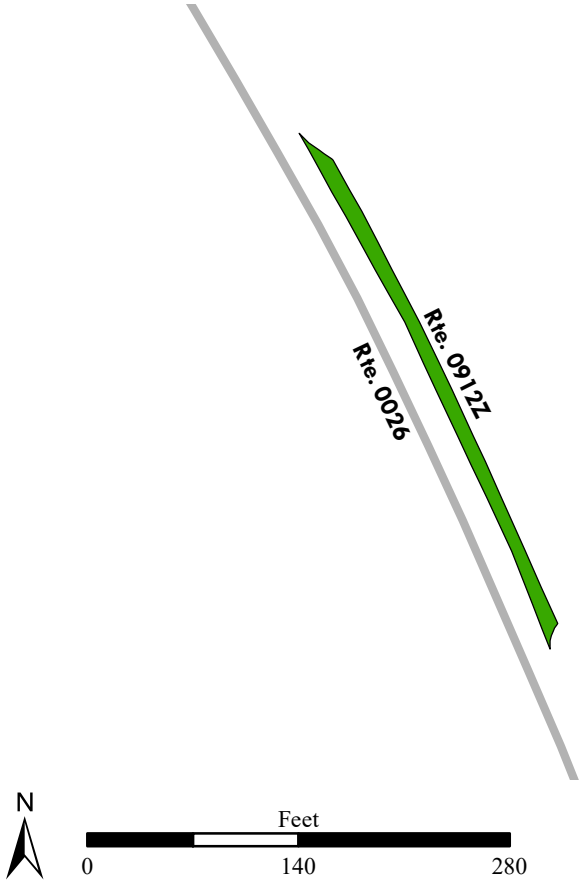
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,708	0.047	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0913Z: HAINS POINT PARKING #3

Subcomponent of Route NAMA-0959ZZ
Manual Rating

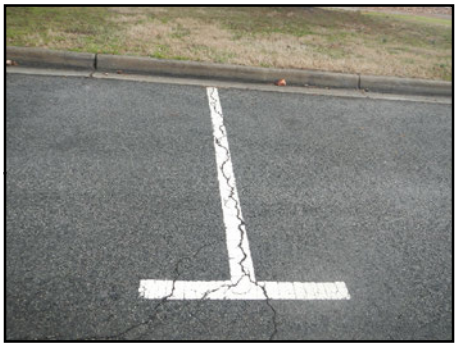
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

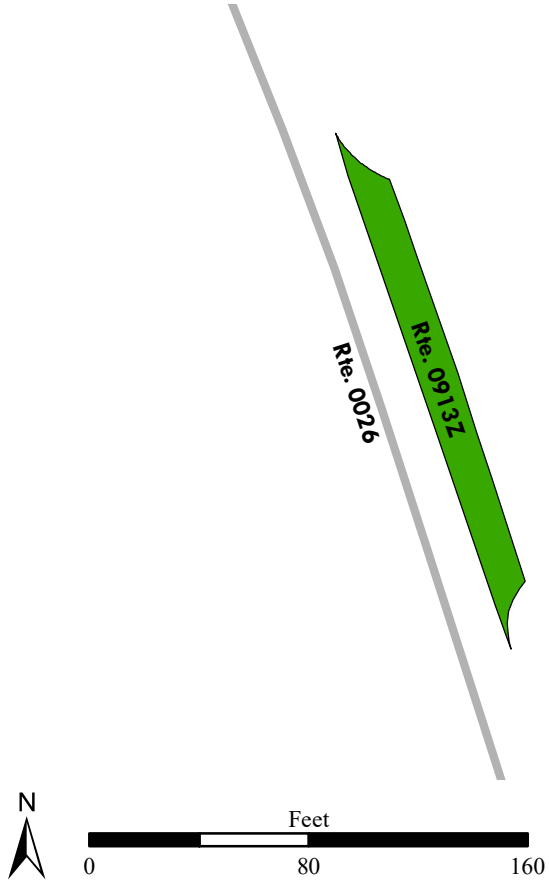
Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,845	0.032	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas





National Mall and Memorial Parks

ROUTE 0914Z: HAINS POINT PARKING #4

Subcomponent of Route NAMA-0959ZZ
Manual Rating

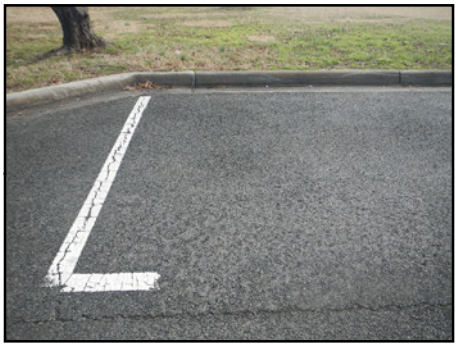
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

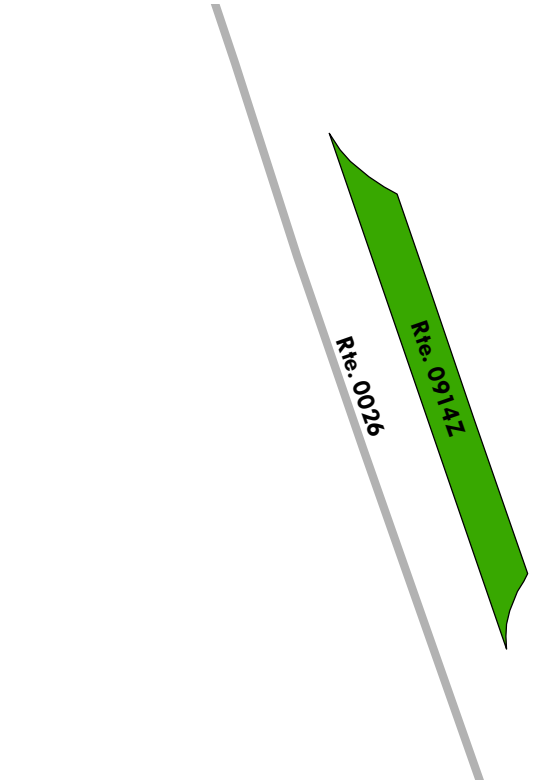
Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,105	0.019	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas





National Mall and Memorial Parks

ROUTE 0915Z: HAINS POINT PARKING #5

Subcomponent of Route NAMA-0959ZZ
Manual Rating

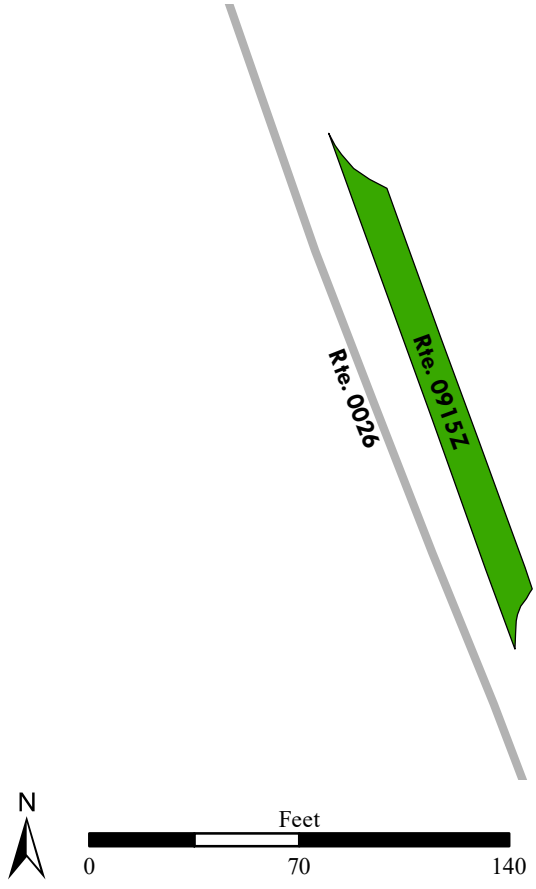
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,490	0.026	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0916Z: HAINS POINT PARKING #6

Subcomponent of Route NAMA-0959ZZ
Manual Rating

FROM ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

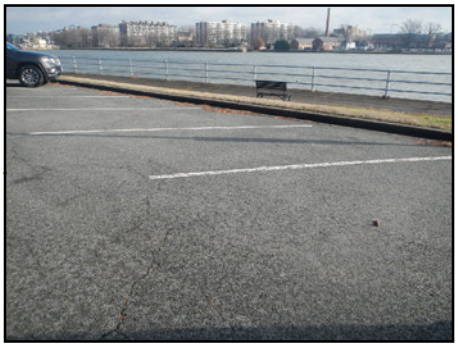
TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

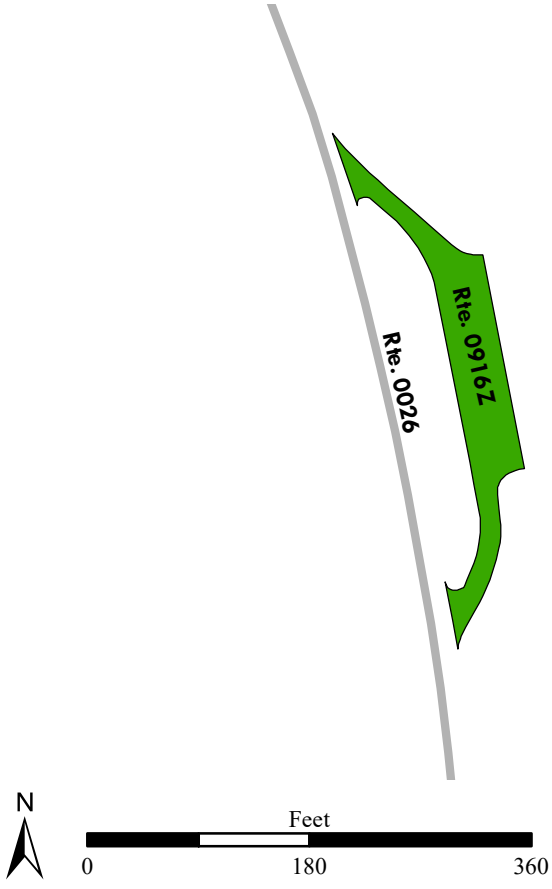
Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
9,468	0.163	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas





National Mall and Memorial Parks

ROUTE 0917Z: HAINS POINT PARKING #7

Subcomponent of Route NAMA-0959ZZ
Manual Rating

ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,417	0.042	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas

National Mall and Memorial Parks

ROUTE 0918Z: HAINS POINT PARKING #8

Subcomponent of Route NAMA-0959ZZ
Manual Rating

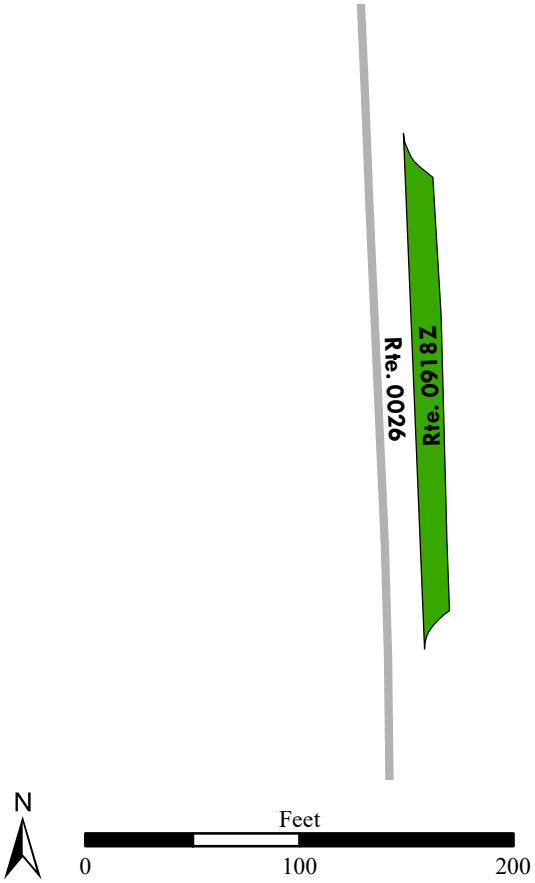
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,224	0.038	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0919Z: HAINS POINT PARKING #9

Subcomponent of Route NAMA-0959ZZ
Manual Rating

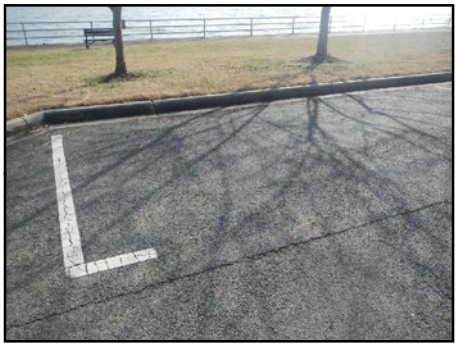
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

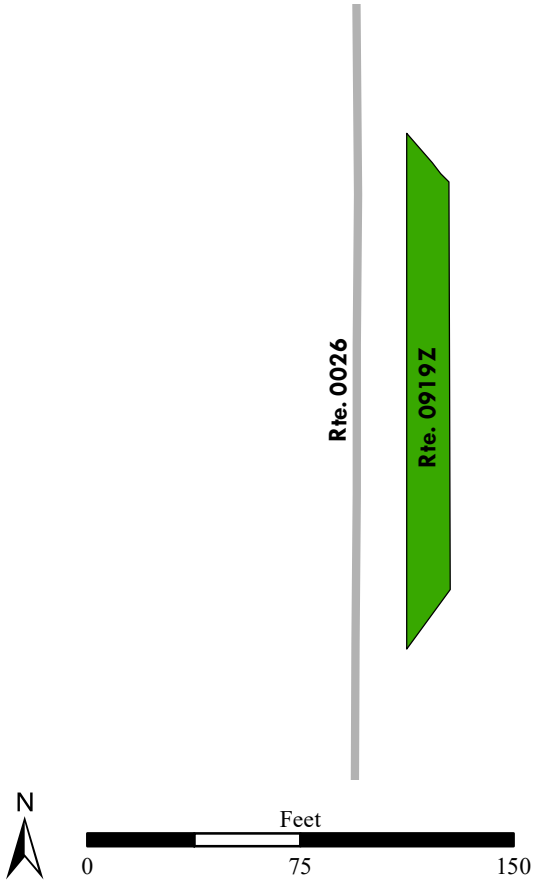
Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,919	0.033	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas





National Mall and Memorial Parks

ROUTE 0920Z: HAINS POINT PARKING #10

Subcomponent of Route NAMA-0959ZZ
Manual Rating

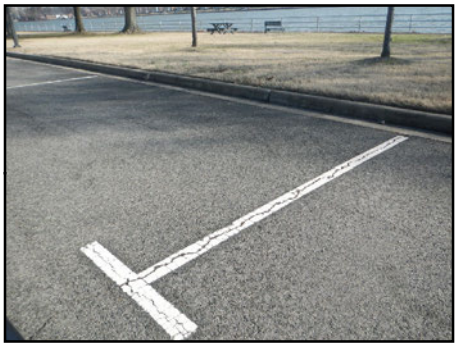
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,775	0.048	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0921Z: HAINS POINT PARKING #11

Subcomponent of Route NAMA-0959ZZ
Manual Rating

FROM ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

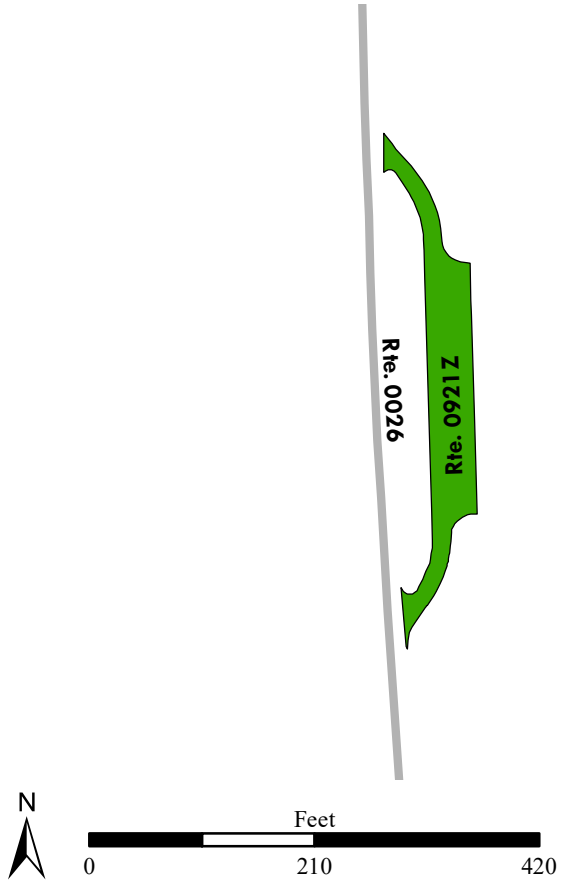
TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
11,077	0.191	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0922Z: HAINS POINT PARKING #12

Subcomponent of Route NAMA-0959ZZ
Manual Rating

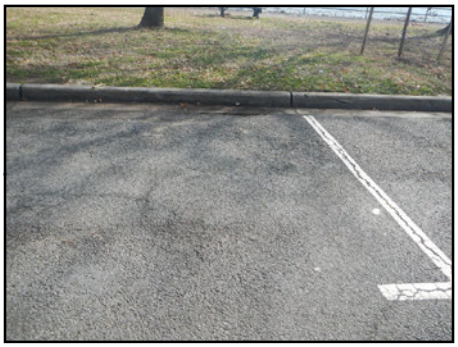
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

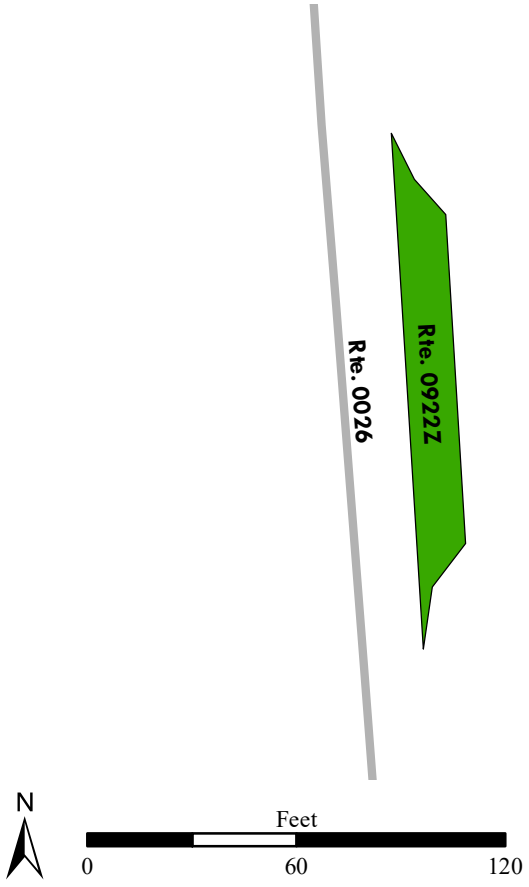
Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,254	0.022	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas





National Mall and Memorial Parks

ROUTE 0923Z: HAINS POINT PLAYGROUND PARKING

Subcomponent of Route NAMA-0959ZZ
Manual Rating

FROM ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

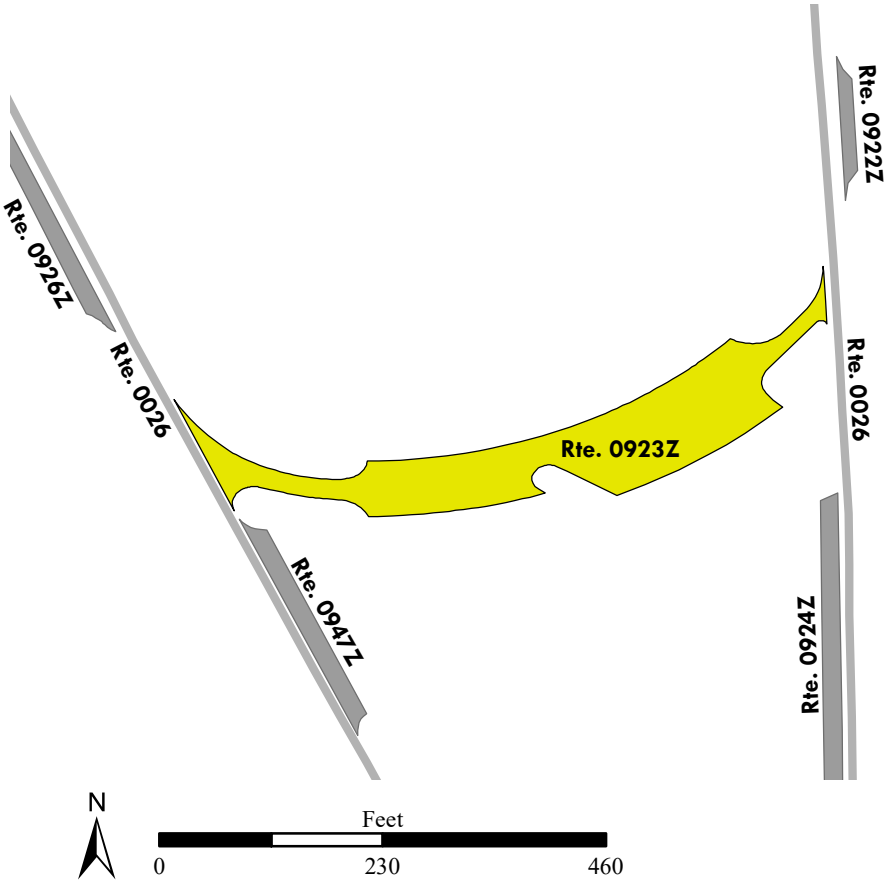
TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
28,084	0.484	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0924Z: HAINS POINT PARKING #13

Subcomponent of Route NAMA-0959ZZ
Manual Rating

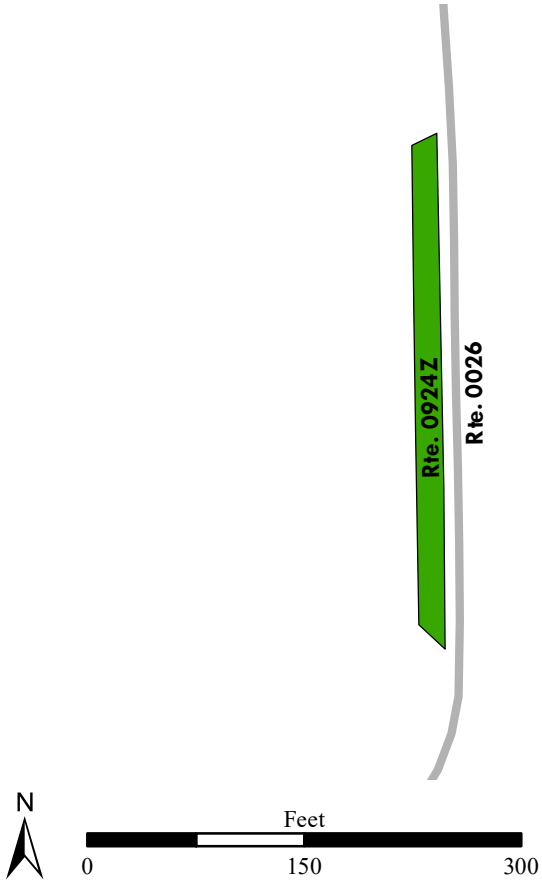
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
4,917	0.085	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0925Z: HAINS POINT PARKING #14

Subcomponent of Route NAMA-0959ZZ
Manual Rating

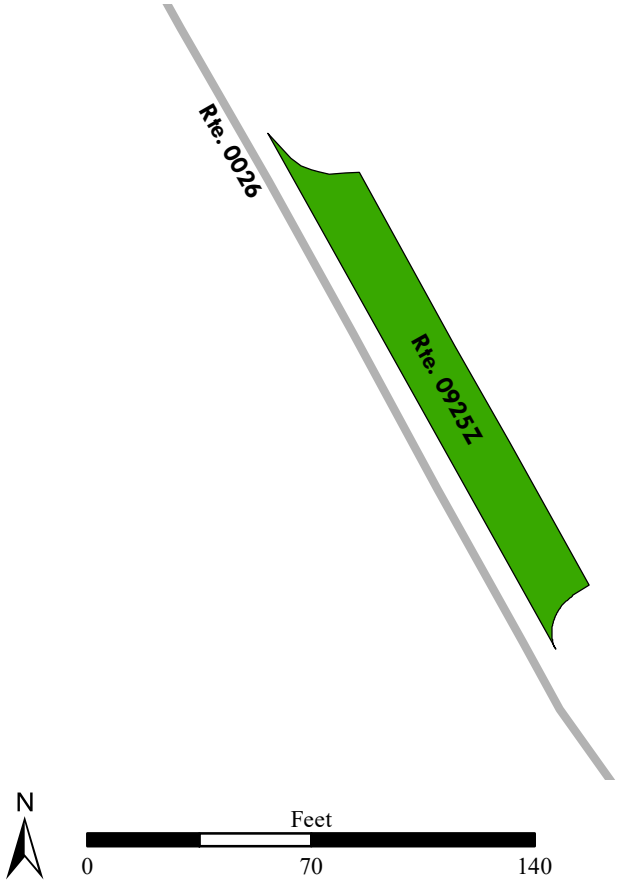
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,325	0.04	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0926Z: HAINS POINT PARKING #16

Subcomponent of Route NAMA-0959ZZ
Manual Rating

ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
4,637	0.08	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas

National Mall and Memorial Parks

ROUTE 0928Z: HAINS POINT PARKING #17

Subcomponent of Route NAMA-0959ZZ
Manual Rating

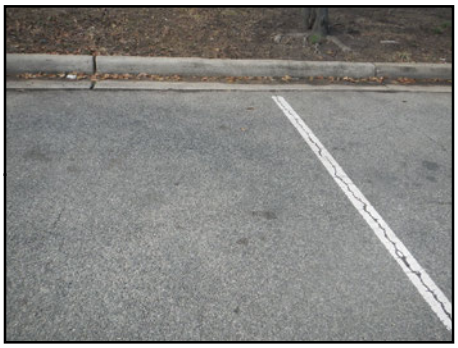
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
3,755	0.065	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0929Z: HAINS POINT PARKING #18

Subcomponent of Route NAMA-0959ZZ
Manual Rating

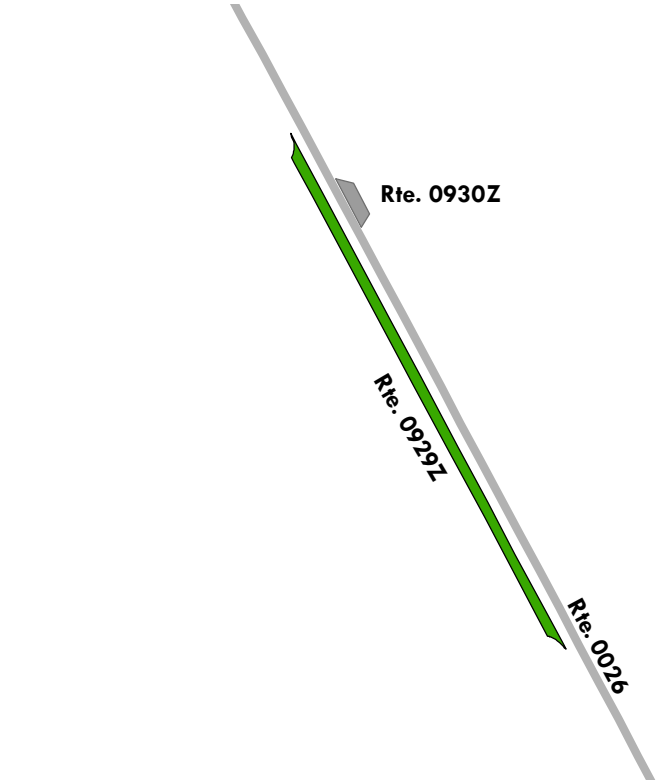
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
7,621	0.131	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0930Z: HAINS POINT PARKING #18 (RESTROOM PARKING)

Subcomponent of Route NAMA-0959ZZ

Manual Rating

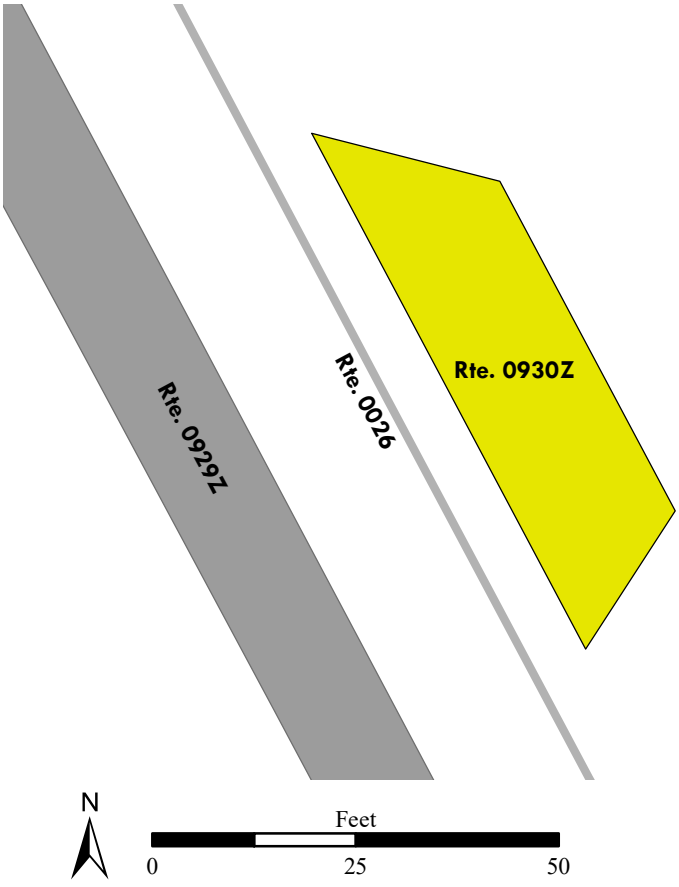
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
812	0.014	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0931Z: HAINS POINT PARKING #19

Subcomponent of Route NAMA-0959ZZ
Manual Rating

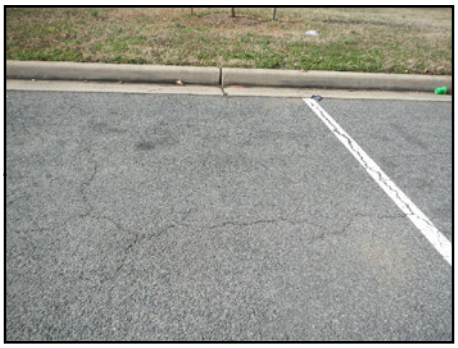
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

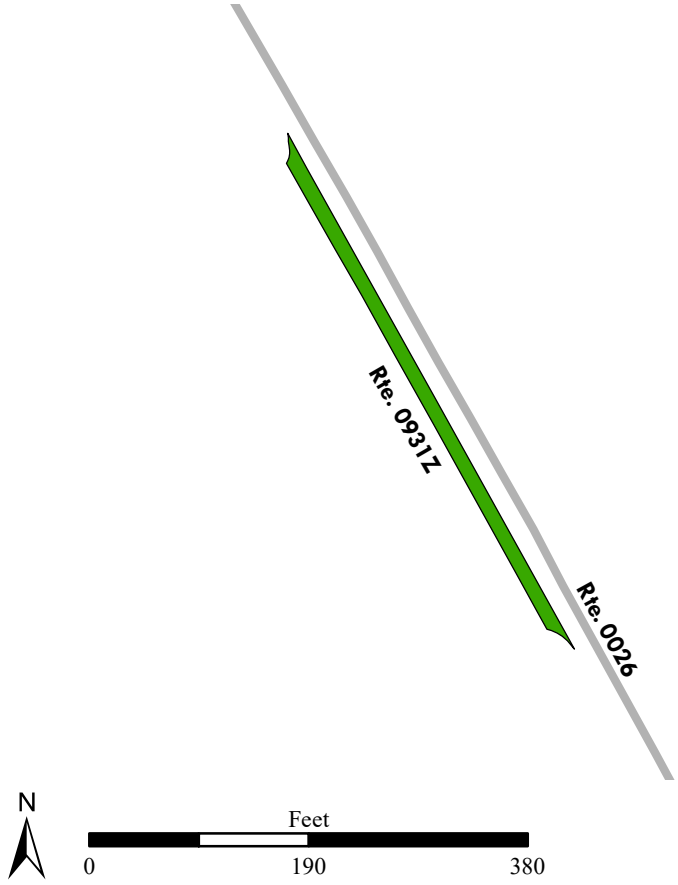
Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
4,640	0.08	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas





National Mall and Memorial Parks

ROUTE 0932Z: HAINS POINT PARKING #20

Subcomponent of Route NAMA-0959ZZ
Manual Rating

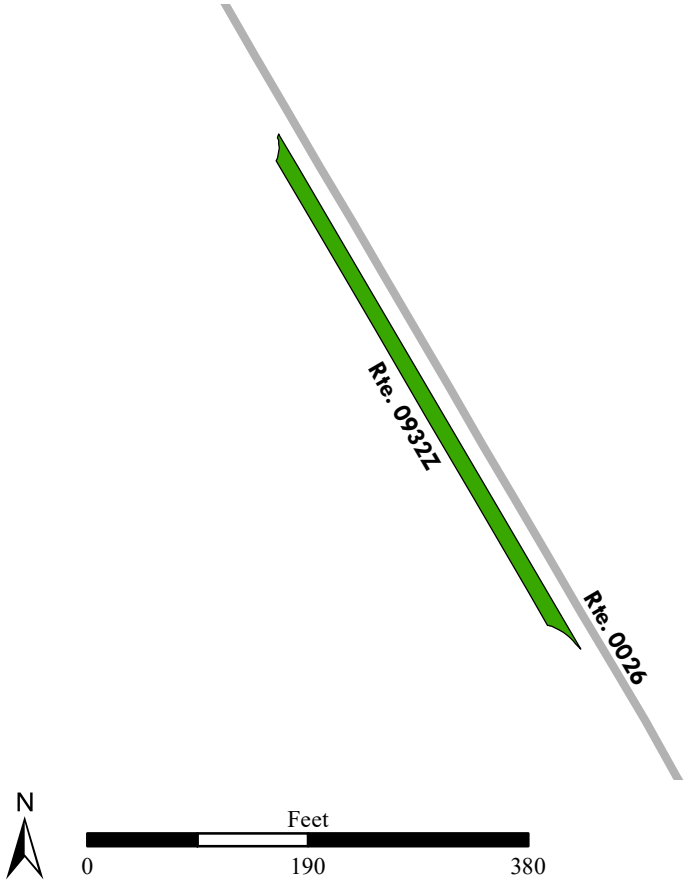
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
5,228	0.09	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0933Z: HAINS POINT PARKING #21

Subcomponent of Route NAMA-0959ZZ
Manual Rating

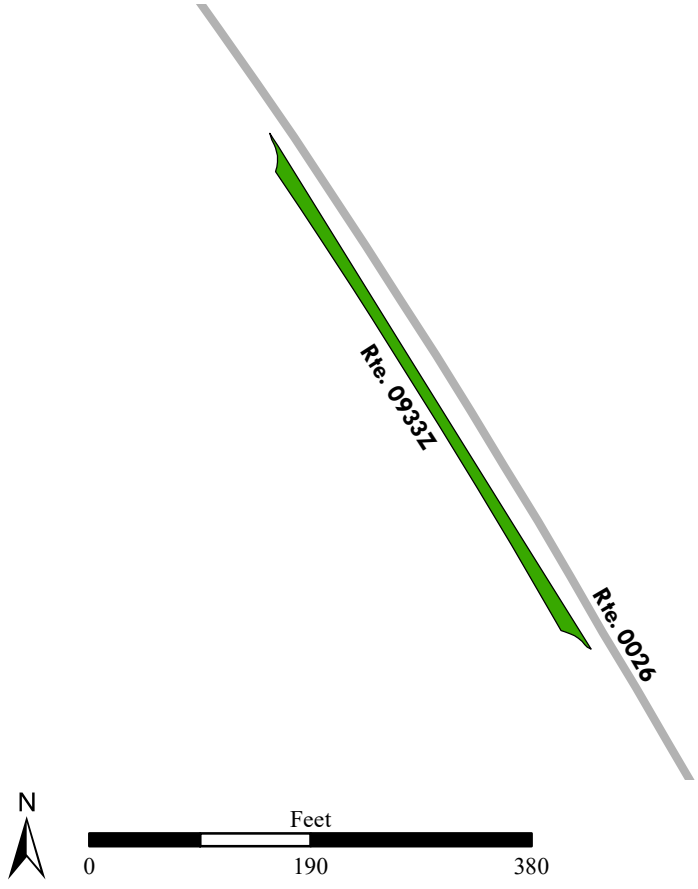
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
4,065	0.07	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0934Z: HAINS POINT PARKING #22

Subcomponent of Route NAMA-0959ZZ
Manual Rating

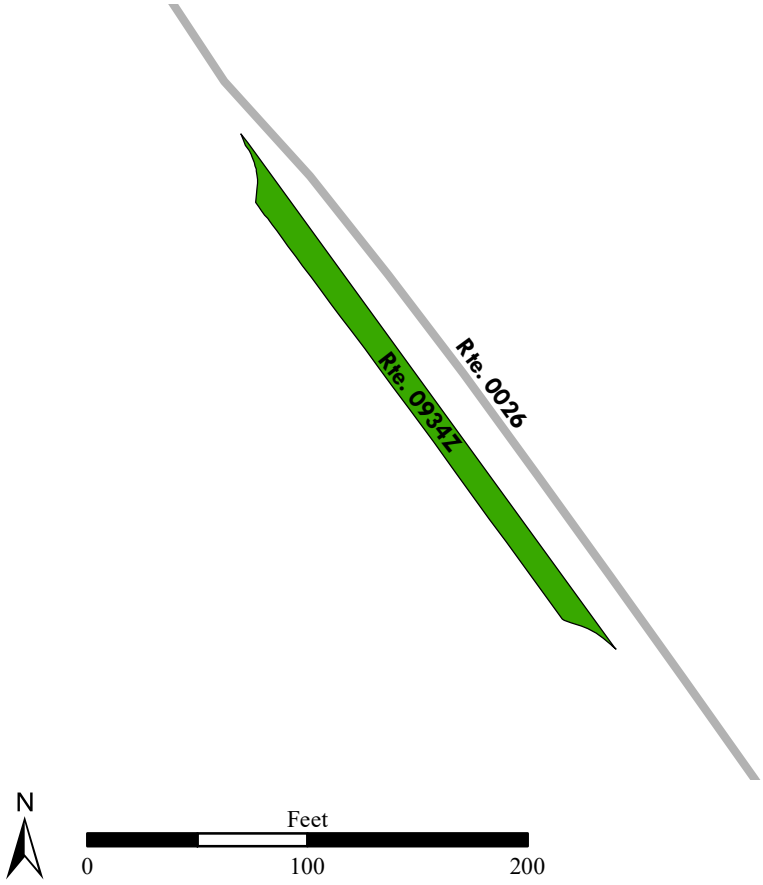
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,398	0.041	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0935Z: HAINS POINT PARKING #23

Subcomponent of Route NAMA-0959ZZ
Manual Rating

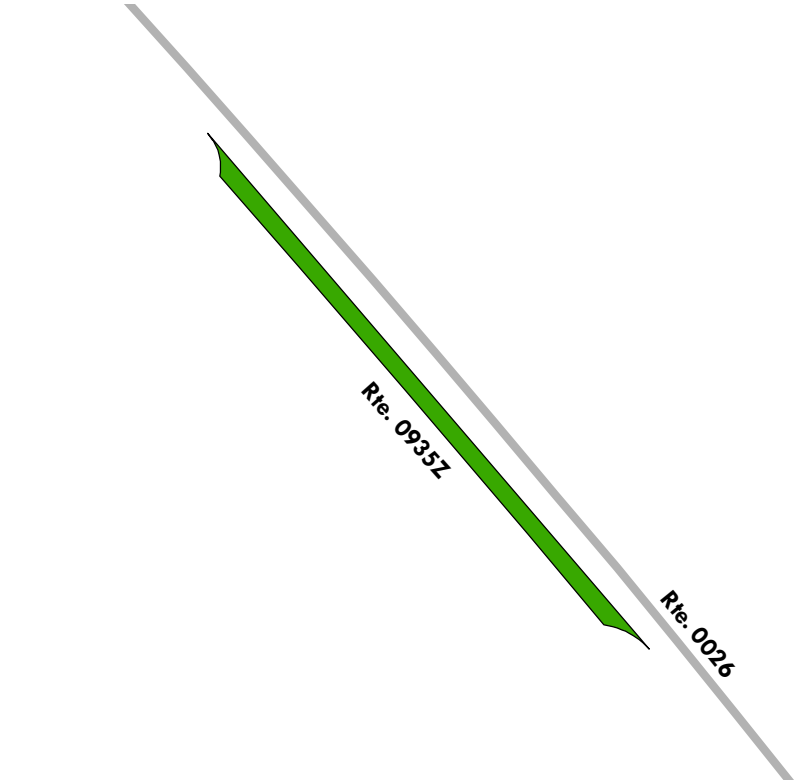
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
3,119	0.054	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0936Z: HAINS POINT PARKING #24

Subcomponent of Route NAMA-0959ZZ
Manual Rating

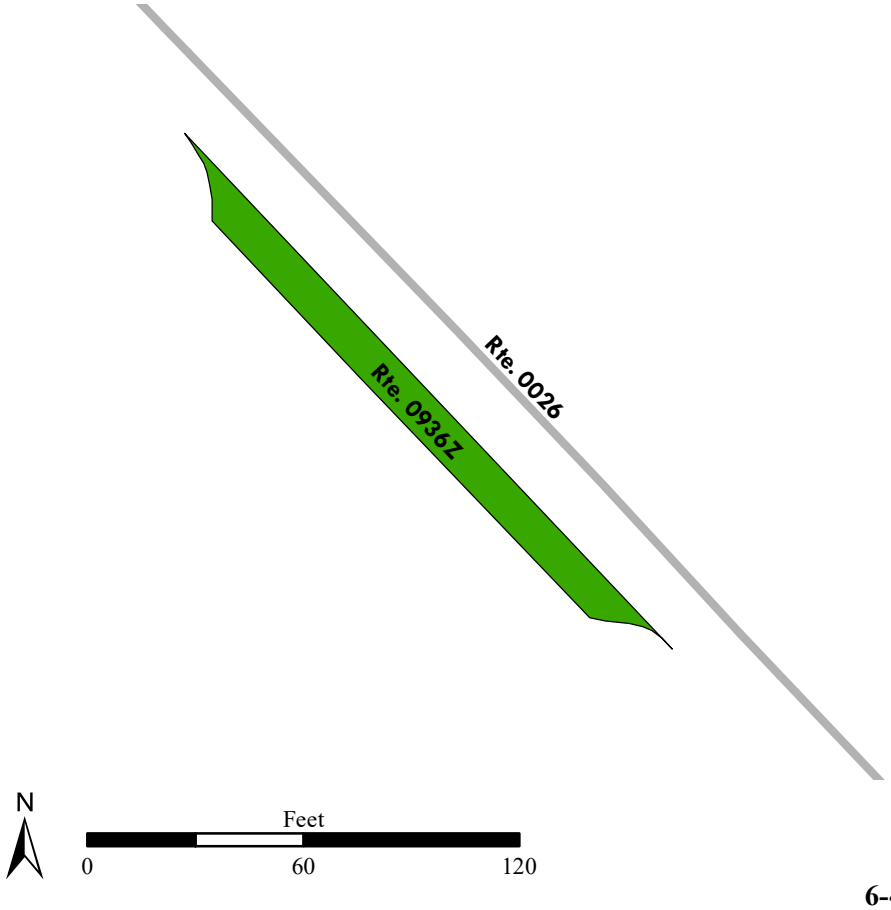
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,429	0.025	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0937Z: HAINS POINT PARKING #25

Subcomponent of Route NAMA-0959ZZ
Manual Rating

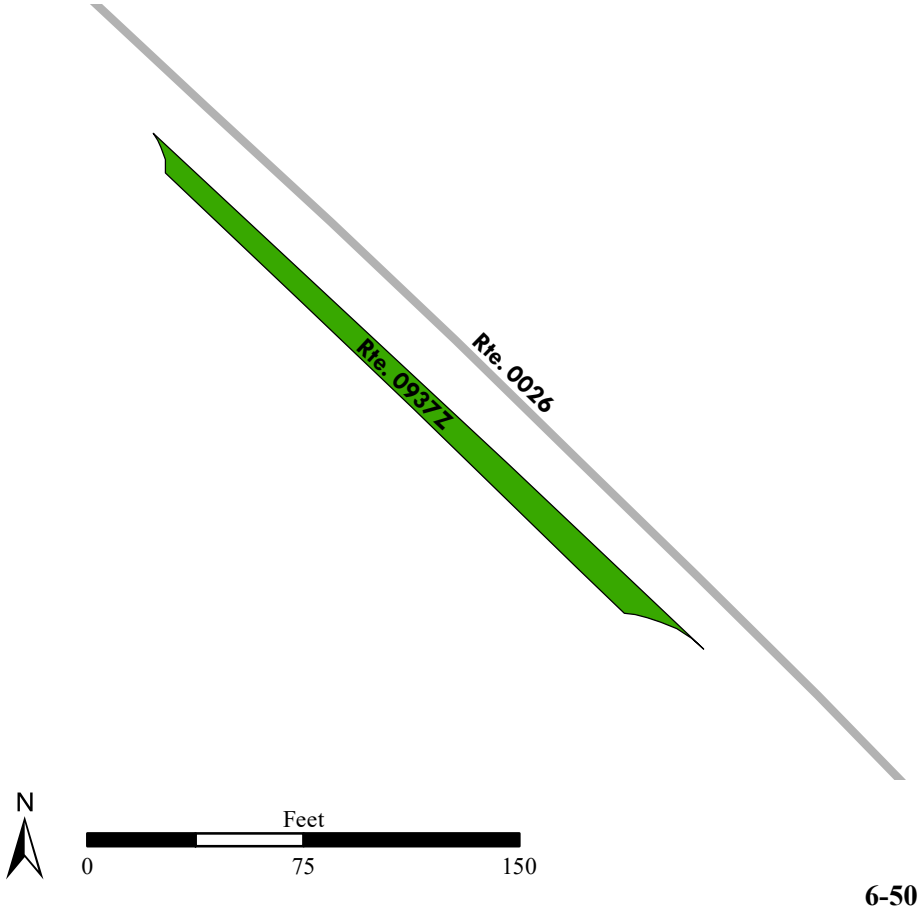
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/21/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,547	0.027	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60) | **Fair (61- 84)** | **Good (85 - 94)** | **Excellent (95 - 100)** | **Not Rated**

See Appendix for definitions and formulas



National Mall and Memorial Parks

ROUTE 0947Z: HAINS POINT PARKING #15

Subcomponent of Route NAMA-0959ZZ
Manual Rating

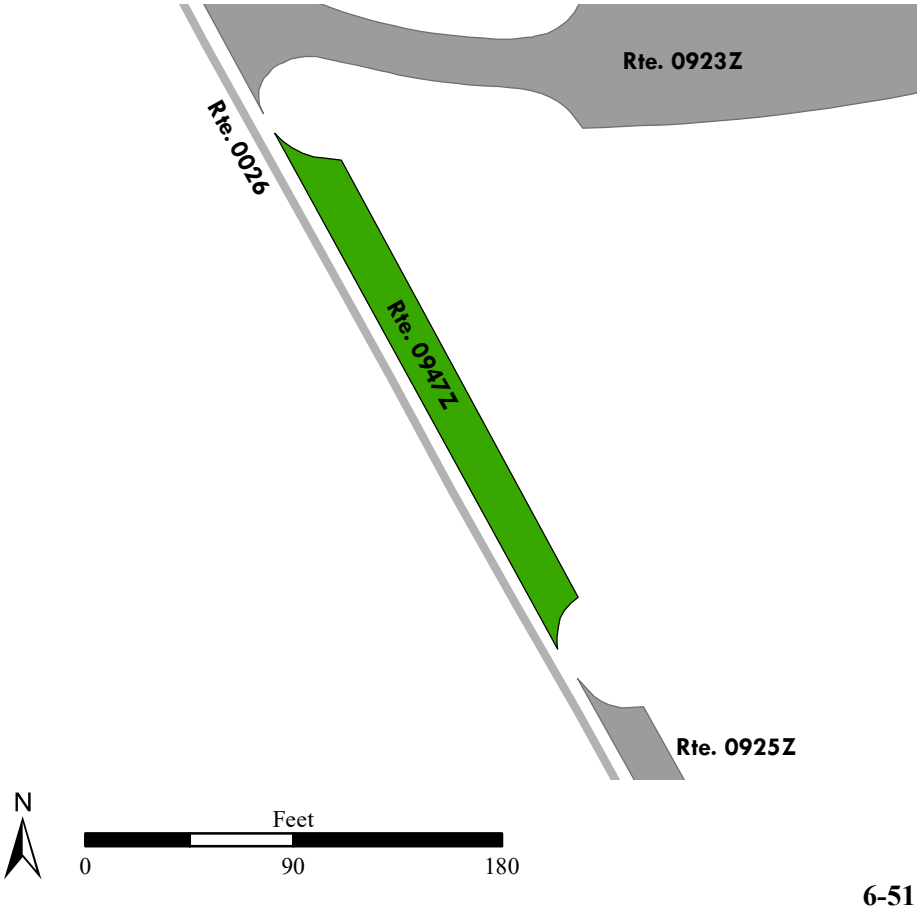
ADJACENT TO ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
2/20/2018	49871	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
3,403	0.059	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



Section 7
Road Milepost Information

National Mall and Memorial Parks

Federal Lands Highway
Road Inventory Program

Road Milepost Information

This report section contains road milepost information for all paved roads in the park that were collected with the Data Collection Vehicle (DCV). The milepost data is obtained from the DCV by using a distance measuring instrument (DMI) that is calibrated to record mileage to the nearest thousandth of a mile. Park roads that were manually rated did not have milepost data collected, and thus are not included in this report section.

For Cycle 6, the information presented in this section differs from previous RIP cycles in that it does not contain the roadside features inventories for the paved park roads. Some examples of the features previously collected are signs, culverts/drop inlets, guardrails, curbing, pullouts, etc. If the park was collected in a previous RIP cycle, then the latest features data can be obtained by referencing the following:

Where to find the latest Features Inventories for NPS Parks:

- For Small Parks (parks with less than 10 miles of paved roads):
    - Refer to Cycle 5 data (collected 2010 - 2014)
        - Features were reported in Section 9 of the ***Cycle 5*** RIP report
        - Video of features can be viewed using the ***PathViewVO*** program and ***Cycle 5*** data

- For Large Parks (parks with more than 10 miles of paved roads):
    - Refer to Cycle 4 data (collected 2006 - 2009)
        - Features were reported in Section 9 of the ***Cycle 4*** RIP report
        - Video of features can be viewed using the ***VisiData*** program and ***Cycle 4*** data
    - Note: Features inventories were updated in Large Parks in ***Cycle 5*** only on a route by route basis if the route was new or modified in ***Cycle 5***. If this is the case for a particular route, then features for the route can be obtained using the ***PathViewVO*** program and ***Cycle 5*** data (same as above for Small parks).

Milepost Events Verified in Cycle 6

In Cycle 6, the following events were collected and reported in Section 7 of this report:

- Intersections with roads and parking areas
- All bridges and culverts with BIP Numbers (bridge inspection program numbers)
- Mile Marker Signs
- One-Way travel directions
- Overpasses
- Tunnels
- Low Water Crossings (LWCR)
- Surface type changes
- Construction areas where no pavement condition data was obtained

GPS Mileage Matching

A consistent survey milepost and constant route length as recorded by the Data Collection Vehicle (DCV) is a challenge to maintain from one collection cycle to the next. The challenge is due to many factors such as driver characteristics, DMI calibration, tire pressure etc. After Cycle 4 (~2010), a decision was made to hold constant the length of roads so long as there was no physical change from reconstruction projects or realignments that would result in a change to the length of a road. Consequently, the "GPS Mileage Match" was implemented to specify which cycle the route length is being matched. Route mileages and GPS are matched to a previous collection whenever there is no physical change to a route alignment. The route mileage and GPS is not matched to previous cycles whenever it is determined that a road length and GPS needs to be updated. When this happens the GPS and length is updated to the cycle that displays the change, and that collection cycle is used as the matching cycle in subsequent collections of the road. Thus, the Cycle 6 GIS could be either the survey length collected in Cycle 4, Cycle 5, or Cycle 6 and therefore, may not match the survey milepost displayed in the latest Cycle 6 DCV video which is viewable in ***PathView VO***.

The features inventories and road logs collected on NPS routes contain mileposts that are determined from the corresponding cycle that the GPS is matched to. Therefore, the mileposts contained in the Cycle 4 or 5 features inventories or the Cycle 6 road logs may not exactly match the survey milepost collected in the latest Cycle 6 video of the road.

Locating Mile Marker Signs

For routes that have mile marker signs along them, the milepost reported by RIP will most likely not line up exactly with the sign located in the field. This could be happening for many reasons, most likely due to either the error falling within the acceptable calibration range of the vehicle, or the level of accuracy that the mile marker signs were placed in the field.

Because mile marker signs are important features in many project plans and location descriptions, RIP is reporting locations of mile marker signs in three ways in Cycle 6:

1. Mileposts from Cycle 6 GIS: the official RIP milepost taken from the features inventories and the matching GPS/mileage cycle as described above. This is the milepost that should be used on project plans and when finding locations in the field

2. Mileposts from Cycle 6 Video: milepost shown to help locate the mile marker sign in the latest ***PathView VO*** video.

3. Latitude / Longitude: a constant way of locating a mile marker sign so long as the park has not moved the sign

The mileposts from Cycle 6 Video and GIS should be nearly the same, but on longer roads it has been observed that the Video milepost deviates more from the official GIS milepost that comes from the matching cycle.

NAMA: Route Milepost Log

ROUTE 0010: CONSTITUTION AVENUE NW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0021AZ (15TH STREET NW)
0.00	0.00	PARK BOUNDARY	N/A	N/A
0.00	0.00	INTERSECTION	R	PAVED ROUTE (15TH STREET NW / NON NPS)
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (CONSTITUTION AVENUE NW / NON NPS)
0.15	0.15	INTERSECTION	R	PAVED ROUTE (ROUTE 0400 - WHHO / NPS MAINTAINED)
0.31	0.31	INTERSECTION	R	PAVED ROUTE (17TH STREET SW / NON NPS)
0.31	0.31	INTERSECTION	L	ROUTE 0020AZ (17TH STREET NW (SOUTHBOUND))
0.39	0.39	INTERSECTION	R	PAVED ROUTE (VIRGINIA AVENUE NW / NON NPS)
0.41	0.41	INTERSECTION	L	PAVED ROUTE (BUS DROP OFF)
0.43	0.43	INTERSECTION	R	PAVED ROUTE (18TH STREET NW / NON NPS)
0.46	0.46	INTERSECTION	L	PAVED ROUTE (BUS DROP OFF)
0.53	0.53	INTERSECTION	R	PAVED ROUTE (19TH STREET NW / NON NPS)
0.61	0.61	INTERSECTION	R	PAVED ROUTE (20TH STREET NW / NON NPS)
0.70	0.70	INTERSECTION	R	PAVED ROUTE (21ST STREET NW / NON NPS)
0.77	0.77	INTERSECTION	L	ROUTE 0019 (HENRY BACON DRIVE NW)
0.82	0.82	INTERSECTION	R	PAVED ROUTE (22ND STREET NW / NON NPS)
0.88	0.88	INTERSECTION	L	ROUTE 0018BZ (23RD STREET NW (NORTHBOUND))
0.88	0.88	INTERSECTION	N/A	PAVED ROUTE (I-66 ACCESS RAMPS / NON NPS)
0.88	0.88	PARK BOUNDARY	N/A	N/A
0.88	0.88	INTERSECTION	R	PAVED ROUTE (23RD STREET NW / NON NPS)

NAMA: Route Milepost Log

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

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0013 (BUCKEYE DRIVE SW)
0.09	0.09	INTERSECTION	R	ROUTE 0941 (NATIONAL CAPITOL REGION HEADQUARTERS PARKING)
0.12	0.12	INTERSECTION	R	ROUTE 0941 (NATIONAL CAPITOL REGION HEADQUARTERS PARKING)
0.15	0.15	INTERSECTION	R	ROUTE 0942 (EAST POTOMAC PARK BUS TURNAROUND)
0.17	0.17	INTERSECTION	R	ROUTE 0942 (EAST POTOMAC PARK BUS TURNAROUND)
0.19	0.19	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (RAILROAD BRIDGE / NON NPS)
0.21	0.21	INTERSECTION	R	ROUTE 0943 (EAST POTOMAC PARK PARKING C)
0.23	0.23	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (RAILROAD BRIDGE / NON NPS)
0.25	0.25	INTERSECTION	R	ROUTE 0944 (EAST POTOMAC PARK PARKING B)
0.27	0.27	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (I-395 / U.S. HIGHWAY 1 / NON NPS)
0.29	0.29	INTERSECTION	R	ROUTE 0945 (EAST POTOMAC PARK PARKING A)
0.36	0.36	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (I-395 / U.S. HIGHWAY 1 / NON NPS)
0.38	0.38	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (I-395 / U.S. HIGHWAY 1 / NON NPS)
0.47	0.47	INTERSECTION	R	ROUTE 0012AZ (EAST BASIN DRIVE SW (WESTBOUND))
0.48	0.51	BRIDGE	N/A	3400-033 (INLET BRIDGE)
0.92	0.92	INTERSECTION	R	ROUTE 0506 (WEST BASIN DRIVE SW)
1.04	1.04	INTERSECTION	R	UNPAVED ROUTE (AUTHORIZED VEHICLES ONLY)
1.18	1.18	INTERSECTION	L	ROUTE 0011CZ (OHIO DRIVE SW (SB CONNECTOR AROUND ERICSSON MEMORIAL TO WEST POTOMAC PARK))
1.18	1.18	ONE-WAY START	N/A	N/A
1.19	1.19	INTERSECTION	L	ROUTE 0520 (LOOP AT INDEPENDENCE AVE AND OHIO DRIVE)
1.22	1.22	INTERSECTION	L	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
1.22	1.22	INTERSECTION	N/A	ROUTE 0023BZ (23RD STREET SW (NORTHBOUND))
1.22	1.22	ONE-WAY END	N/A	N/A
1.22	1.22	INTERSECTION	R	ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))

Data Collected on 6/2018

ROUTE 0011BZ: OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.00	0.00	INTERSECTION	L	ROUTE 0520 (LOOP AT INDEPENDENCE AVE AND OHIO DRIVE)
0.00	0.00	INTERSECTION	R	ROUTE 0023AZ (23RD STREET SW (SOUTHBOUND))
0.05	0.05	INTERSECTION	L	ROUTE 0011CZ (OHIO DRIVE SW (SB CONNECTOR AROUND ERICSSON MEMORIAL TO WEST POTOMAC PARK))
0.07	0.07	INTERSECTION	R	ROUTE 0510 (LINCOLN MEMORIAL CIRCLE RAMP TO OHIO DRIVE)
0.14	0.14	OVERPASS	N/A	3300-016 (ARLINGTON MEMORIAL BRIDGE)
0.26	0.26	OVERPASS	N/A	3400-030 (WATERGATE PLAZA BRIDGE)
0.31	0.31	INTERSECTION	R	ROUTE 0509 (OHIO DRIVE RAMP TO LINCOLN MEMORIAL CIRCLE)
0.32	0.32	INTERSECTION	R	PAVED ROUTE (I-66 ACCESS RAMP / NON NPS)
0.35	0.35	INTERSECTION	L	PAVED ROUTE (I-66 ACCESS ROAD CUT-THRU / NON NPS)
0.37	0.37	INTERSECTION	R	PAVED ROUTE (I-66 ACCESS ROAD / NON NPS)
0.38	0.38	INTERSECTION	R	PAVED ROUTE (I-66 ACCESS ROAD / NON NPS) SPUR
0.50	0.50	INTERSECTION	L	ROUTE 0017BZ (PARKWAY DRIVE RAMP TO OHIO DRIVE)
0.52	0.52	INTERSECTION	L	ROUTE 0017AZ (PARKWAY DRIVE NW)
0.53	0.53	INTERSECTION	N/A	ROUTE 0016AZ (ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND))

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

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.00	0.00	INTERSECTION	N/A	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.00	0.00	ONE-WAY START	N/A	N/A
0.06	0.06	INTERSECTION	L	ROUTE 0520 (LOOP AT INDEPENDENCE AVE AND OHIO DRIVE)
0.10	0.10	INTERSECTION	N/A	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.10	0.10	ONE-WAY END	N/A	N/A
0.10	0.10	INTERSECTION	L	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))

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

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.10	0.10	ONE-WAY END	N/A	N/A
0.10	0.10	INTERSECTION	R	UNPAVED ROUTE
0.10	0.10	INTERSECTION	N/A	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))

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

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.00	0.00	INTERSECTION	N/A	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.04	0.04	INTERSECTION	R	ROUTE 0011CZ (OHIO DRIVE SW (SB CONNECTOR AROUND ERICSSON MEMORIAL TO WEST POTOMAC PARK))
0.09	0.09	INTERSECTION	R	ROUTE 0520 (LOOP AT INDEPENDENCE AVE AND OHIO DRIVE)
0.09	0.09	INTERSECTION	L	ROUTE 0023AZ (23RD STREET SW (SOUTHBOUND))
0.10	0.10	INTERSECTION	L	ROUTE 0023BZ (23RD STREET SW (NORTHBOUND))
0.10	0.10	INTERSECTION	R	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.10	0.10	ONE-WAY END	N/A	N/A
0.10	0.10	INTERSECTION	N/A	ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))

ROUTE 0012AZ: EAST BASIN DRIVE SW (WESTBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))
0.00	0.00	INTERSECTION	N/A	ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))
0.00	0.00	ONE-WAY START	N/A	N/A
0.09	0.11	BRIDGE	N/A	3400-031 (OUTLET BRIDGE)
0.16	0.16	INTERSECTION	L	ROUTE 0027BZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (SOUTHBOUND))
0.19	0.19	INTERSECTION	L	ROUTE 0027AZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND))
0.34	0.34	INTERSECTION	L	PAVED ROUTE (RAMP TO I-395 SOUTHBOUND / NON NPS)
0.57	0.57	INTERSECTION	R	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.57	0.57	INTERSECTION	L	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.57	0.57	ONE-WAY END	N/A	N/A

Data Collected on 6/2018

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

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0012BZ (EAST BASIN DRIVE SW (EASTBOUND))
0.00	0.00	INTERSECTION	L	ROUTE 0012BZ (EAST BASIN DRIVE SW (EASTBOUND))
0.03	0.03	ONE-WAY END	N/A	N/A
0.03	0.03	INTERSECTION	R	ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))
0.03	0.03	INTERSECTION	L	ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))

ROUTE 0012BZ: EAST BASIN DRIVE SW (EASTBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0027AZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND))
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0027AZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND))
0.07	0.09	BRIDGE	N/A	3400-031 (OUTLET BRIDGE)
0.12	0.12	INTERSECTION	R	ROUTE 0012BZ (EAST BASIN DRIVE SW (EASTBOUND)) SPUR
0.16	0.16	INTERSECTION	N/A	ROUTE 0505Z (MAINE AVENUE SW (WESTBOUND)) CUT-THRU
0.16	0.16	INTERSECTION	R	ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))
0.16	0.16	INTERSECTION	L	ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))
0.16	0.16	ONE-WAY END	N/A	N/A

NAMA: Route Milepost Log

ROUTE 0013: BUCKEYE DRIVE SW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.00	0.00	INTERSECTION	R	ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)
0.15	0.15	INTERSECTION	L	ROUTE 0014 (NAMA - MAIN STREET)
0.17	0.17	INTERSECTION	L	ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)
0.21	0.21	INTERSECTION	L	ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)
0.25	0.25	INTERSECTION	L	ROUTE 0940 (BUCKEYE DRIVE TENNIS COURT PARKING)
0.30	0.30	INTERSECTION	L	ROUTE 0940 (BUCKEYE DRIVE TENNIS COURT PARKING)
0.34	0.34	INTERSECTION	L	ROUTE 0027BZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (SOUTHBOUND))
0.34	0.34	INTERSECTION	R	ROUTE 0027BZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (SOUTHBOUND))
0.34	0.34	INTERSECTION	N/A	ROUTE 0027AZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND)) CUT-THRU

ROUTE 0014: NAMA - MAIN STREET

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0013 (BUCKEYE DRIVE SW)
0.00	0.00	INTERSECTION	R	ROUTE 0013 (BUCKEYE DRIVE SW)
0.05	0.05	INTERSECTION	L	ROUTE 0941 (NATIONAL CAPITOL REGION HEADQUARTERS PARKING)
0.09	0.09	PARK BOUNDARY	N/A	N/A
0.09	0.09	INTERSECTION	R	ROUTE 0939A (EAST POTOMAC PARK MAINTENANCE YARD)
0.09	0.09	INTERSECTION	N/A	PAVED ROUTE (I-395 ACCESS RAMP / NON NPS)

NAMA: Route Milepost Log

ROUTE 0016AZ: ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0017AZ (PARKWAY DRIVE NW)
0.00	0.00	INTERSECTION	N/A	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.04	0.04	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (I-66 / NON NPS)
0.11	0.11	INTERSECTION	R	ROUTE 0016AZ (ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND)) SPUR
0.13	0.13	INTERSECTION	R	PAVED ROUTE (KENNEDY CENTER ACCESS ROAD / NON NPS)
0.36	0.36	INTERSECTION	R	ROUTE 0016AZ (ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND)) SPUR
0.38	0.38	INTERSECTION	R	PAVED ROUTE (KENNEDY CENTER ACCESS ROAD / F STREET NW / NON NPS)
0.41	0.41	INTERSECTION	R	PAVED ROUTE (KENNEDY CENTER ACCESS ROAD / F STREET NW / NON NPS) SPUR
0.59	0.59	INTERSECTION	R	ROUTE 0016AZ (ROCK CREEK AND POTOMAC PARKWAY (NORTHBOUND)) SPUR
0.60	0.60	INTERSECTION	R	PAVED ROUTE (VIRGINIA AVENUE NW / NON NPS)
0.60	0.60	PARK BOUNDARY	N/A	N/A
0.60	0.60	INTERSECTION	L	PAVED ROUTE (ROUTE 0932 - ROCR / NPS MAINTAINED)
0.60	0.60	INTERSECTION	N/A	PAVED ROUTE (ROUTE 0001 - ROCR / NPS MAINTAINED)

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

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	PARK BOUNDARY	N/A	N/A
0.00	0.00	INTERSECTION	L	PAVED ROUTE (VIRGINIA AVENUE NW / NON NPS)
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (ROUTE 0001 - ROCR / NPS MAINTAINED)
0.00	0.00	INTERSECTION	R	ROUTE 0932Z (HAINS POINT PARKING #20)
0.56	0.56	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (I-66 / NON NPS)
0.61	0.61	INTERSECTION	L	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.61	0.61	INTERSECTION	N/A	ROUTE 0017AZ (PARKWAY DRIVE NW)

Data Collected on 6/2018

NAMA: Route Milepost Log

ROUTE 0017AZ: PARKWAY DRIVE NW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0016BZ (ROCK CREEK AND POTOMAC PARKWAY (SOUTHBOUND))
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.01	0.01	INTERSECTION	R	ROUTE 0521 (PARKWAY DRIVE TURNAROUND)
0.03	0.03	INTERSECTION	R	ROUTE 0521 (PARKWAY DRIVE TURNAROUND)
0.05	0.05	ONE-WAY END	N/A	N/A
0.05	0.05	INTERSECTION	L	ROUTE 0017BZ (PARKWAY DRIVE RAMP TO OHIO DRIVE)
0.05	0.23	BRIDGE	N/A	3400-036 (NPS STORAGE AREA BRIDGE)
0.22	0.25	BRIDGE	N/A	3400-030 (WATERGATE PLAZA BRIDGE)
0.26	0.26	INTERSECTION	L	ROUTE 0017CZ (LINCOLN MEMORIAL CIRCLE SPUR TO PARKWAY DRIVE)
0.26	0.26	ONE-WAY START	N/A	N/A
0.31	0.31	INTERSECTION	L	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)
0.31	0.31	ONE-WAY END	N/A	N/A
0.31	0.31	INTERSECTION	N/A	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)

ROUTE 0017BZ: PARKWAY DRIVE RAMP TO OHIO DRIVE

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0017AZ (PARKWAY DRIVE NW)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0017AZ (PARKWAY DRIVE NW)
0.03	0.03	INTERSECTION	R	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.03	0.03	ONE-WAY END	N/A	N/A
0.03	0.03	INTERSECTION	L	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))

NAMA: Route Milepost Log

ROUTE 0017CZ: LINCOLN MEMORIAL CIRCLE SPUR TO PARKWAY DRIVE

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)
0.05	0.05	ONE-WAY END	N/A	N/A
0.05	0.05	INTERSECTION	L	ROUTE 0017AZ (PARKWAY DRIVE NW)
0.05	0.05	INTERSECTION	N/A	ROUTE 0017AZ (PARKWAY DRIVE NW)

ROUTE 0018AZ: 23RD STREET NW (SOUTHBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	PAVED ROUTE (I-66 ACCESS RAMPS / NON NPS)
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (23RD STREET NW / NON NPS)
0.00	0.00	INTERSECTION	L	ROUTE 0010 (CONSTITUTION AVENUE NW)
0.00	0.00	PARK BOUNDARY	N/A	N/A
0.11	0.11	INTERSECTION	R	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)
0.11	0.11	INTERSECTION	L	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)

ROUTE 0018BZ: 23RD STREET NW (NORTHBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)
0.00	0.00	INTERSECTION	R	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)
0.11	0.11	PARK BOUNDARY	N/A	N/A
0.11	0.11	INTERSECTION	L	ROUTE 0010 (CONSTITUTION AVENUE NW)
0.11	0.11	INTERSECTION	R	ROUTE 0010 (CONSTITUTION AVENUE NW)
0.11	0.11	INTERSECTION	N/A	PAVED ROUTE (23RD STREET NW / NON NPS)

NAMA: Route Milepost Log

ROUTE 0019: HENRY BACON DRIVE NW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0010 (CONSTITUTION AVENUE NW)
0.00	0.00	INTERSECTION	L	ROUTE 0010 (CONSTITUTION AVENUE NW)
0.15	0.15	INTERSECTION	N/A	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)

ROUTE 0020AZ: 17TH STREET NW (SOUTHBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	PARK BOUNDARY	N/A	N/A
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (17TH STREET NW / NON NPS)
0.00	0.00	INTERSECTION	R	ROUTE 0010 (CONSTITUTION AVENUE NW)
0.00	0.00	INTERSECTION	L	ROUTE 0010 (CONSTITUTION AVENUE NW)
0.15	0.15	INTERSECTION	R	ROUTE 0020CZ (17TH STREET SW (SOUTHBOUND))

ROUTE 0020BZ: 17TH STREET SW (NORTHBOUND SPUR FROM INDEPENDENCE AVENUE)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.03	0.03	INTERSECTION	L	ROUTE 0020BZ (17TH STREET SW (NORTHBOUND SPUR FROM INDEPENDENCE AVENUE)) CUT-THRU
0.07	0.07	INTERSECTION	N/A	ROUTE 0020CZ (17TH STREET SW (SOUTHBOUND))
0.07	0.07	ONE-WAY END	N/A	N/A

NAMA: Route Milepost Log

ROUTE 0020CZ: 17TH STREET SW (SOUTHBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0020AZ (17TH STREET NW (SOUTHBOUND))
0.06	0.06	ONE-WAY START	N/A	N/A
0.06	0.06	INTERSECTION	R	ROUTE 0957 (WORLD WAR II / HOMEFRONT DRIVE HANDICAPPED PARKING)
0.06	0.06	INTERSECTION	L	ROUTE 0020BZ (17TH STREET SW (NORTHBOUND SPUR FROM INDEPENDENCE AVENUE))
0.09	0.09	INTERSECTION	L	ROUTE 0020BZ (17TH STREET SW (NORTHBOUND SPUR FROM INDEPENDENCE AVENUE)) CUT-THRU
0.12	0.12	ONE-WAY END	N/A	N/A
0.12	0.12	INTERSECTION	N/A	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.12	0.12	INTERSECTION	L	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))

ROUTE 0021AZ: 15TH STREET NW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	PAVED ROUTE (CONSTITUTION AVENUE NW / NON NPS)
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (15TH STREET NW / NON NPS)
0.00	0.00	PARK BOUNDARY	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0010 (CONSTITUTION AVENUE NW)
0.14	0.14	INTERSECTION	L	ROUTE 0500 (MADISON DRIVE NW)
0.16	0.16	INTERSECTION	N/A	ROUTE 0021BZ (15TH STREET SW)

NAMA: Route Milepost Log

ROUTE 0021BZ: 15TH STREET SW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0021AZ (15TH STREET NW)
0.06	0.06	INTERSECTION	L	ROUTE 0501 (JEFFERSON DRIVE SW)
0.13	0.13	INTERSECTION	L	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.13	0.13	INTERSECTION	R	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.16	0.16	INTERSECTION	L	ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))
0.16	0.16	INTERSECTION	R	ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))
0.24	0.24	INTERSECTION	L	PAVED PARKING (BUREAU OF ENGRAVING AND PRINTING / NON NPS)
0.35	0.35	INTERSECTION	L	PAVED ROUTE (BUREAU OF ENGRAVING AND PRINTING ACCESS ROAD / NON NPS)
0.35	0.35	INTERSECTION	R	ROUTE 0021BZ (15TH STREET SW) SPUR
0.36	0.36	ONE-WAY START	N/A	N/A
0.36	0.36	INTERSECTION	L	ROUTE 0021BZ (15TH STREET SW) OPPOSITE LANE
0.37	0.37	INTERSECTION	R	ROUTE 0505Z (MAINE AVENUE SW (WESTBOUND))
0.37	0.37	INTERSECTION	L	ROUTE 0505Z (MAINE AVENUE SW (WESTBOUND))
0.39	0.39	INTERSECTION	L	ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))
0.39	0.39	INTERSECTION	R	ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))
0.39	0.39	ONE-WAY END	N/A	N/A

NAMA: Route Milepost Log

ROUTE 0022: 12TH STREET SW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	PARK BOUNDARY	N/A	N/A
0.00	0.00	INTERSECTION	R	PAVED ROUTE (INDEPENDENCE AVENUE SW / NON NPS)
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (12TH STREET NW / NON NPS)
0.00	0.00	INTERSECTION	L	PAVED ROUTE (INDEPENDENCE AVENUE SW / NON NPS)
0.01	0.01	INTERSECTION	L	PAVED PARKING (DEPARTMENT OF AGRICULTURE / NON NPS)
0.02	0.02	INTERSECTION	L	PAVED PARKING (DEPARTMENT OF AGRICULTURE / NON NPS)
0.04	0.04	INTERSECTION	L	PAVED PARKING (DEPARTMENT OF AGRICULTURE / NON NPS)
0.07	0.07	INTERSECTION	R	ROUTE 0501 (JEFFERSON DRIVE SW)
0.07	0.07	INTERSECTION	L	ROUTE 0501 (JEFFERSON DRIVE SW)
0.07	0.07	ONE-WAY END	N/A	N/A

ROUTE 0023AZ: 23RD STREET SW (SOUTHBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0025BZ (LINCOLN MEMORIAL CIRCLE SW)
0.06	0.06	INTERSECTION	L	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.06	0.06	INTERSECTION	N/A	ROUTE 0520 (LOOP AT INDEPENDENCE AVE AND OHIO DRIVE)
0.06	0.06	INTERSECTION	R	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.06	0.06	ONE-WAY END	N/A	N/A

NAMA: Route Milepost Log

ROUTE 0023BZ: 23RD STREET SW (NORTHBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0025BZ (LINCOLN MEMORIAL CIRCLE SW)
0.00	0.00	ONE-WAY START	N/A	N/A
0.07	0.07	INTERSECTION	N/A	ROUTE 0508 (DANIEL FRENCH DRIVE SW)
0.07	0.07	INTERSECTION	L	ROUTE 0407 (LINCOLN MEMORIAL CIRCLE TOUR BUS ACCESS)
0.07	0.07	ONE-WAY END	N/A	N/A

ROUTE 0025AZ: LINCOLN MEMORIAL CIRCLE NW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	PARK BOUNDARY	N/A	N/A
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (ROUTE 0011 - GWMP / NPS MAINTAINED)
0.00	0.00	INTERSECTION	R	ROUTE 0025BZ (LINCOLN MEMORIAL CIRCLE SW)
0.05	0.05	INTERSECTION	L	ROUTE 0017AZ (PARKWAY DRIVE NW)
0.09	0.09	INTERSECTION	L	ROUTE 0017CZ (LINCOLN MEMORIAL CIRCLE SPUR TO PARKWAY DRIVE)
0.11	0.11	INTERSECTION	L	ROUTE 0509 (OHIO DRIVE RAMP TO LINCOLN MEMORIAL CIRCLE)
0.15	0.15	INTERSECTION	L	ROUTE 0018AZ (23RD STREET NW (SOUTHBOUND))
0.15	0.15	INTERSECTION	L	ROUTE 0018BZ (23RD STREET NW (NORTHBOUND))
0.19	0.19	INTERSECTION	N/A	ROUTE 0019 (HENRY BACON DRIVE NW)

NAMA: Route Milepost Log

ROUTE 0025BZ: LINCOLN MEMORIAL CIRCLE SW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	PARK BOUNDARY	N/A	N/A
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (ROUTE 0011 - GWMP / NPS MAINTAINED)
0.06	0.06	INTERSECTION	R	ROUTE 0510 (LINCOLN MEMORIAL CIRCLE RAMP TO OHIO DRIVE)
0.09	0.09	ONE-WAY END	N/A	N/A
0.09	0.09	INTERSECTION	N/A	ROUTE 0023AZ (23RD STREET SW (SOUTHBOUND))

ROUTE 0026: OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0027AZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND))
0.00	0.00	INTERSECTION	R	ROUTE 0027BZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (SOUTHBOUND)) CUT-THRU
0.00	0.00	ONE-WAY START	N/A	N/A
0.07	0.07	INTERSECTION	L	ROUTE 0911Z (HAINS POINT PARKING #1)
0.14	0.14	INTERSECTION	L	ROUTE 0912Z (HAINS POINT PARKING #2)
0.22	0.22	INTERSECTION	L	ROUTE 0913Z (HAINS POINT PARKING #3)
0.29	0.29	INTERSECTION	L	ROUTE 0914Z (HAINS POINT PARKING #4)
0.34	0.34	INTERSECTION	L	ROUTE 0915Z (HAINS POINT PARKING #5)
0.39	0.39	INTERSECTION	L	ROUTE 0916Z (HAINS POINT PARKING #6)
0.46	0.46	INTERSECTION	L	ROUTE 0916Z (HAINS POINT PARKING #6)
0.52	0.52	INTERSECTION	L	ROUTE 0917Z (HAINS POINT PARKING #7)
0.63	0.63	INTERSECTION	L	ROUTE 0918Z (HAINS POINT PARKING #8)
0.73	0.73	INTERSECTION	L	ROUTE 0919Z (HAINS POINT PARKING #9)
0.80	0.80	INTERSECTION	L	ROUTE 0920Z (HAINS POINT PARKING #10)
0.85	0.85	INTERSECTION	L	ROUTE 0921Z (HAINS POINT PARKING #11)
0.93	0.93	INTERSECTION	L	ROUTE 0921Z (HAINS POINT PARKING #11)
0.95	0.95	INTERSECTION	R	ROUTE 0200 (HAINS POINT RESTROOM SERVICE ACCESS)

Data Collected on 6/2018

NAMA: Route Milepost Log

ROUTE 0026: OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.00	1.00	INTERSECTION	L	ROUTE 0922Z (HAINS POINT PARKING #12)
1.04	1.04	INTERSECTION	R	ROUTE 0923Z (HAINS POINT PLAYGROUND PARKING)
1.11	1.11	INTERSECTION	R	ROUTE 0924Z (HAINS POINT PARKING #13)
1.26	1.26	INTERSECTION	R	ROUTE 0925Z (HAINS POINT PARKING #14)
1.30	1.30	INTERSECTION	R	ROUTE 0947Z (HAINS POINT PARKING #15)
1.33	1.33	INTERSECTION	R	ROUTE 0923Z (HAINS POINT PLAYGROUND PARKING)
1.39	1.39	INTERSECTION	L	ROUTE 0926Z (HAINS POINT PARKING #16)
1.42	1.42	INTERSECTION	R	ROUTE 0200 (HAINS POINT RESTROOM SERVICE ACCESS)
1.51	1.51	INTERSECTION	L	ROUTE 0928Z (HAINS POINT PARKING #17)
1.64	1.64	INTERSECTION	L	ROUTE 0929Z (HAINS POINT PARKING #18)
1.70	1.70	INTERSECTION	R	ROUTE 0930Z (HAINS POINT PARKING #18 (RESTROOM PARKING))
1.79	1.79	INTERSECTION	L	ROUTE 0931Z (HAINS POINT PARKING #19)
1.95	1.95	INTERSECTION	L	ROUTE 0932Z (HAINS POINT PARKING #20)
2.07	2.07	INTERSECTION	L	ROUTE 0933Z (HAINS POINT PARKING #21)
2.18	2.18	INTERSECTION	L	ROUTE 0934Z (HAINS POINT PARKING #22)
2.29	2.29	INTERSECTION	L	ROUTE 0935Z (HAINS POINT PARKING #23)
2.40	2.40	INTERSECTION	L	ROUTE 0936Z (HAINS POINT PARKING #24)
2.47	2.47	INTERSECTION	L	ROUTE 0937Z (HAINS POINT PARKING #25)
2.52	2.52	INTERSECTION	N/A	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
2.52	2.52	INTERSECTION	R	ROUTE 0013 (BUCKEYE DRIVE SW)
2.52	2.52	ONE-WAY END	N/A	N/A

NAMA: Route Milepost Log

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

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0027BZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (SOUTHBOUND)) CUT-THRU
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0026 (OHIO DRIVE SW / HAINS POINT ACCESS LOOP ROAD)
0.09	0.09	INTERSECTION	L	ROUTE 0027BZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (SOUTHBOUND)) CUT-THRU
0.34	0.34	INTERSECTION	L	ROUTE 0013 (BUCKEYE DRIVE SW)
0.48	0.48	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (I-395 / NON NPS)
0.60	0.60	INTERSECTION	L	I-395 SOUTH RAMP TO OHIO DRIVE - HAINES POINT ACCESS CUT-THRU
0.60	0.60	INTERSECTION	R	ROUTE 0907 (NAMA HEADQUARTERS PARKING)
0.62	0.62	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (RAILROAD BRIDGE / NON NPS)
0.63	0.63	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (I-395 / NON NPS)
0.65	0.65	INTERSECTION	R	ROUTE 0012BZ (EAST BASIN DRIVE SW (EASTBOUND))
0.66	0.66	INTERSECTION	R	ROUTE 0027BZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (SOUTHBOUND))
0.68	0.68	INTERSECTION	L	ROUTE 0012AZ (EAST BASIN DRIVE SW (WESTBOUND))
0.68	0.68	ONE-WAY END	N/A	N/A

NAMA: Route Milepost Log

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

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0012AZ (EAST BASIN DRIVE SW (WESTBOUND))
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0012AZ (EAST BASIN DRIVE SW (WESTBOUND))
0.02	0.02	INTERSECTION	R	ROUTE 0027AZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND))
0.02	0.02	INTERSECTION	L	ROUTE 0027AZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (NORTHBOUND))
0.03	0.03	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (I-395 / NON NPS)
0.06	0.06	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (RAILROAD BRIDGE / NON NPS)
0.07	0.07	INTERSECTION	L	I-395 SOUTH RAMP TO OHIO DRIVE - HAINES POINT ACCESS CUT-THRU
0.07	0.07	INTERSECTION	R	I-395 SOUTH RAMP TO OHIO DRIVE - HAINES POINT ACCESS
0.18	0.18	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (I-395 / NON NPS)
0.25	0.25	INTERSECTION	R	ROUTE 0908 (OHIO DRIVE TENNIS COURT PARKING)
0.33	0.33	INTERSECTION	L	ROUTE 0013 (BUCKEYE DRIVE SW) CUT-THRU
0.33	0.33	INTERSECTION	R	ROUTE 0013 (BUCKEYE DRIVE SW)
0.58	0.58	INTERSECTION	L	ROUTE 0027BZ (OHIO DRIVE SW / HAINS POINT ACCESS EXIT ROAD (SOUTHBOUND)) CUT-THRU
0.58	0.58	INTERSECTION	R	ROUTE 0909AZ (PARK POLICE ACCESS A)
0.68	0.68	INTERSECTION	N/A	ROUTE 0910 (GOLF COURSE PARKING)
0.68	0.68	ONE-WAY END	N/A	N/A

NAMA: Route Milepost Log

ROUTE 0404: ASH ROAD

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0957 (WORLD WAR II / HOMEFRONT DRIVE HANDICAPPED PARKING)
0.18	0.18	INTERSECTION	L	ROUTE 0903 (USPP H-1 STABLES PARKING)
0.20	0.20	INTERSECTION	L	UNPAVED ROUTE (TURN AROUND)
0.22	0.22	INTERSECTION	L	UNPAVED ROUTE (TURN AROUND)
0.22	0.22	INTERSECTION	N/A	DEAD END

ROUTE 0407: LINCOLN MEMORIAL CIRCLE TOUR BUS ACCESS

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0023BZ (23RD STREET SW (NORTHBOUND)) OPPOSITE LANE
0.00	0.00	INTERSECTION	R	ROUTE 0508 (DANIEL FRENCH DRIVE SW)
0.00	0.00	ONE-WAY START	N/A	N/A
0.11	0.11	INTERSECTION	N/A	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)
0.11	0.11	ONE-WAY END	N/A	N/A
0.11	0.11	INTERSECTION	L	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)

ROUTE 0409: CONSTITUTION GARDENS BUS LOOP

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 6.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0010 (CONSTITUTION AVENUE NW)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0010 (CONSTITUTION AVENUE NW)
0.06	0.06	INTERSECTION	L	ROUTE 0010 (CONSTITUTION AVENUE NW)
0.06	0.06	INTERSECTION	R	ROUTE 0010 (CONSTITUTION AVENUE NW)
0.06	0.06	ONE-WAY END	N/A	N/A

Data Collected on 6/2018

NAMA: Route Milepost Log

ROUTE 0500: MADISON DRIVE NW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	PAVED ROUTE (3RD STREET SW / NON NPS)
0.00	0.00	INTERSECTION	L	PAVED ROUTE (3RD STREET SW / NON NPS)
0.00	0.00	PARK BOUNDARY	N/A	N/A
0.13	0.13	INTERSECTION	R	PAVED ROUTE (4TH STREET NW / NON NPS)
0.13	0.13	INTERSECTION	L	PAVED ROUTE (4TH STREET SW / NON NPS)
0.36	0.36	INTERSECTION	R	PAVED ROUTE (7TH STREET NW / NON NPS)
0.36	0.36	INTERSECTION	L	PAVED ROUTE (7TH STREET SW / NON NPS)
0.67	0.67	INTERSECTION	R	ROUTE 0512Z (12TH STREET NW (NORTHBOUND RAMP))
0.70	0.70	INTERSECTION	R	ROUTE 0511Z (12TH STREET NW (SOUTHBOUND RAMP))
0.91	0.91	INTERSECTION	L	PAVED ROUTE (14TH STREET NW / NON NPS)
0.91	0.91	INTERSECTION	R	PAVED ROUTE (14TH STREET NW / NON NPS)
0.96	0.96	INTERSECTION	L	ROUTE 0021AZ (15TH STREET NW)
0.96	0.96	INTERSECTION	R	ROUTE 0021AZ (15TH STREET NW)
0.96	0.96	ONE-WAY END	N/A	N/A

NAMA: Route Milepost Log

ROUTE 0501: JEFFERSON DRIVE SW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0021BZ (15TH STREET SW)
0.00	0.00	INTERSECTION	L	ROUTE 0021BZ (15TH STREET SW)
0.00	0.00	ONE-WAY START	N/A	N/A
0.06	0.06	INTERSECTION	L	PAVED ROUTE (14TH STREET NW / NON NPS)
0.06	0.06	INTERSECTION	R	PAVED ROUTE (14TH STREET NW / NON NPS)
0.14	0.14	INTERSECTION	R	PAVED PARKING (NON NPS)
0.18	0.18	INTERSECTION	R	PAVED PARKING (NON NPS)
0.26	0.26	INTERSECTION	R	ROUTE 0022 (12TH STREET SW)
0.61	0.61	INTERSECTION	L	PAVED ROUTE (7TH STREET SW / NON NPS)
0.61	0.61	INTERSECTION	R	PAVED ROUTE (7TH STREET SW / NON NPS)
0.84	0.84	INTERSECTION	R	PAVED ROUTE (4TH STREET SW / NON NPS)
0.84	0.84	INTERSECTION	L	PAVED ROUTE (4TH STREET SW / NON NPS)
0.97	0.97	INTERSECTION	R	PAVED ROUTE (3RD STREET SW / NON NPS)
0.97	0.97	PARK BOUNDARY	N/A	N/A
0.97	0.97	INTERSECTION	L	PAVED ROUTE (3RD STREET SW / NON NPS)
0.97	0.97	ONE-WAY END	N/A	N/A

NAMA: Route Milepost Log

ROUTE 0502Z: INDEPENDENCE AVENUE SW (EASTBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0011EZ (OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE))
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.00	0.00	INTERSECTION	L	ROUTE 0023BZ (23RD STREET SW (NORTHBOUND))
0.27	0.27	INTERSECTION	L	ROUTE 0506 (WEST BASIN DRIVE SW) CUT-THRU
0.27	0.27	INTERSECTION	R	ROUTE 0506 (WEST BASIN DRIVE SW)
0.48	0.48	INTERSECTION	L	ROUTE 0516 (WESTBOUND TO EASTBOUND TIDAL BASIN TURNAROUND)
0.51	0.63	BRIDGE	N/A	3400-032 (KUTZ BRIDGE)
0.67	0.67	INTERSECTION	L	ROUTE 0515 (EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND)
0.68	0.68	INTERSECTION	R	ROUTE 0905 (TIDAL BASIN PARKING)
0.74	0.74	INTERSECTION	R	ROUTE 0504Z (MAINE AVENUE SW (EASTBOUND))
0.79	0.80	BRIDGE	N/A	3400-034 (MAINE AVENUE BRIDGE)
0.90	0.90	INTERSECTION	L	ROUTE 0021BZ (15TH STREET SW)
0.90	0.90	INTERSECTION	R	ROUTE 0021BZ (15TH STREET SW)
0.99	0.99	INTERSECTION	N/A	PAVED ROUTE (INDEPENDENCE AVENUE SW / NON NPS)
0.99	0.99	INTERSECTION	R	PAVED ROUTE (14TH STREET SW / NON NPS)
0.99	0.99	INTERSECTION	L	PAVED ROUTE (14TH STREET NW / NON NPS)
0.99	0.99	ONE-WAY END	N/A	N/A
0.99	0.99	PARK BOUNDARY	N/A	N/A

NAMA: Route Milepost Log

ROUTE 0503Z: INDEPENDENCE AVENUE SW (WESTBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (INDEPENDENCE AVENUE SW / NON NPS)
0.00	0.00	INTERSECTION	R	PAVED ROUTE (14TH STREET NW / NON NPS)
0.00	0.00	INTERSECTION	L	PAVED ROUTE (14TH STREET SW / NON NPS)
0.00	0.00	PARK BOUNDARY	N/A	N/A
0.09	0.09	INTERSECTION	R	ROUTE 0021BZ (15TH STREET SW)
0.09	0.09	INTERSECTION	L	ROUTE 0021BZ (15TH STREET SW)
0.14	0.14	INTERSECTION	R	UNPAVED ROUTE (AUTHORIZED VEHICLES ONLY)
0.28	0.28	INTERSECTION	R	ROUTE 0904 (SURVEY LODGE PARKING AREA)
0.30	0.30	INTERSECTION	L	ROUTE 0505Z (MAINE AVENUE SW (WESTBOUND))
0.31	0.31	INTERSECTION	L	ROUTE 0515 (EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND)
0.34	0.34	INTERSECTION	R	ROUTE 0904 (SURVEY LODGE PARKING AREA)
0.38	0.38	INTERSECTION	R	ROUTE 0020BZ (17TH STREET SW (NORTHBOUND SPUR FROM INDEPENDENCE AVENUE))
0.44	0.44	INTERSECTION	R	ROUTE 0020AZ (17TH STREET NW (SOUTHBOUND))
0.52	0.52	INTERSECTION	R	ROUTE 0957 (WORLD WAR II / HOMEFRONT DRIVE HANDICAPPED PARKING)
0.52	0.52	INTERSECTION	L	ROUTE 0516 (WESTBOUND TO EASTBOUND TIDAL BASIN TURNAROUND)
0.72	0.72	INTERSECTION	L	ROUTE 0506 (WEST BASIN DRIVE SW) CUT-THRU
0.91	0.91	INTERSECTION	R	ROUTE 0508 (DANIEL FRENCH DRIVE SW)
1.00	1.00	INTERSECTION	R	ROUTE 0023BZ (23RD STREET SW (NORTHBOUND))
1.00	1.00	INTERSECTION	N/A	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
1.00	1.00	INTERSECTION	L	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
1.00	1.00	INTERSECTION	R	ROUTE 0023AZ (23RD STREET SW (SOUTHBOUND))

NAMA: Route Milepost Log

ROUTE 0504Z: MAINE AVENUE SW (EASTBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))
0.00	0.00	INTERSECTION	L	ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))
0.00	0.00	ONE-WAY START	N/A	N/A
0.17	0.17	INTERSECTION	R	ROUTE 0905 (TIDAL BASIN PARKING)
0.24	0.24	INTERSECTION	L	ROUTE 0021BZ (15TH STREET SW)
0.28	0.28	INTERSECTION	R	ROUTE 0012AZ (EAST BASIN DRIVE SW (WESTBOUND))
0.30	0.30	INTERSECTION	L	ROUTE 0012BZ (EAST BASIN DRIVE SW (EASTBOUND))
0.30	0.30	INTERSECTION	R	ROUTE 0012BZ (EAST BASIN DRIVE SW (EASTBOUND))
0.33	0.33	INTERSECTION	R	ROUTE 0012BBZ (EAST BASIN DRIVE SW (EASTBOUND SPUR TO MAINE AVENUE EASTBOUND))
0.34	0.34	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (HIGHWAY 1 / 14TH STREET SW / NON NPS)
0.35	0.35	INTERSECTION	N/A	PAVED ROUTE (MAINE AVE SW / NON NPS)
0.35	0.35	PARK BOUNDARY	N/A	N/A
0.35	0.35	ONE-WAY END	N/A	N/A

NAMA: Route Milepost Log

ROUTE 0505Z: MAINE AVENUE SW (WESTBOUND)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (14TH STREET SW / U.S. HIGHWAY 1 / NON NPS)
0.00	0.00	PARK BOUNDARY	N/A	N/A
0.03	0.03	INTERSECTION	R	PAVED ROUTE (I-395 ACCESS RAMP / NON NPS)
0.04	0.04	INTERSECTION	L	ROUTE 0012BZ (EAST BASIN DRIVE SW (EASTBOUND)) CUT-THRU
0.09	0.09	INTERSECTION	R	ROUTE 0021BZ (15TH STREET SW) OPPOSITE LANE
0.11	0.11	INTERSECTION	R	ROUTE 0021BZ (15TH STREET SW)
0.11	0.11	INTERSECTION	L	ROUTE 0021BZ (15TH STREET SW)
0.13	0.13	INTERSECTION	R	ROUTE 0021BZ (15TH STREET SW) SPUR
0.30	0.30	OVERPASS	N/A	3400-034 (MAINE AVENUE BRIDGE)
0.42	0.42	INTERSECTION	R	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.42	0.42	INTERSECTION	N/A	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.42	0.42	ONE-WAY END	N/A	N/A

ROUTE 0506: WEST BASIN DRIVE SW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 5.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.00	0.00	INTERSECTION	R	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.03	0.03	INTERSECTION	R	ROUTE 0946 (FDR MEMORIAL HANDICAPPED PARKING)
0.24	0.24	INTERSECTION	R	ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))
0.24	0.24	INTERSECTION	L	ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))
0.25	0.25	INTERSECTION	R	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.25	0.25	INTERSECTION	L	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.25	0.25	ONE-WAY END	N/A	N/A

Data Collected on 6/2018

ROUTE 0508: DANIEL FRENCH DRIVE SW

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0023BZ (23RD STREET SW (NORTHBOUND))
0.00	0.00	INTERSECTION	N/A	ROUTE 0407 (LINCOLN MEMORIAL CIRCLE TOUR BUS ACCESS)
0.00	0.00	ONE-WAY START	N/A	N/A
0.14	0.14	INTERSECTION	R	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.14	0.14	INTERSECTION	L	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.14	0.14	ONE-WAY END	N/A	N/A

ROUTE 0509: OHIO DRIVE RAMP TO LINCOLN MEMORIAL CIRCLE

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.00	0.00	INTERSECTION	L	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.11	0.11	INTERSECTION	L	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)
0.11	0.11	INTERSECTION	N/A	ROUTE 0025AZ (LINCOLN MEMORIAL CIRCLE NW)
0.11	0.11	ONE-WAY END	N/A	N/A

ROUTE 0510: LINCOLN MEMORIAL CIRCLE RAMP TO OHIO DRIVE

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0025BZ (LINCOLN MEMORIAL CIRCLE SW)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0025BZ (LINCOLN MEMORIAL CIRCLE SW)
0.08	0.08	INTERSECTION	L	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.08	0.08	INTERSECTION	N/A	ROUTE 0011BZ (OHIO DRIVE SW (INDEPENDENCE AVENUE TO ROCK CREEK PARKWAY))
0.08	0.08	ONE-WAY END	N/A	N/A

ROUTE 0511Z: 12TH STREET NW (SOUTHBOUND RAMP)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	PAVED ROUTE (CONSTITUTION AVENUE NW / NON NPS)
0.00	0.00	PARK BOUNDARY	N/A	N/A
0.00	0.00	INTERSECTION	L	PAVED ROUTE (CONSTITUTION AVENUE NW / NON NPS)
0.02	0.02	INTERSECTION	R	PAVED ROUTE (NATIONAL MUSEUM OF AMERICAN HISTORY / NON NPS)
0.10	0.10	INTERSECTION	L	ROUTE 0500 (MADISON DRIVE NW)
0.10	0.10	ONE-WAY END	N/A	N/A
0.10	0.10	INTERSECTION	R	ROUTE 0500 (MADISON DRIVE NW)

NAMA: Route Milepost Log

ROUTE 0512Z: 12TH STREET NW (NORTHBOUND RAMP)

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0500 (MADISON DRIVE NW)
0.00	0.00	INTERSECTION	L	ROUTE 0500 (MADISON DRIVE NW)
0.10	0.10	INTERSECTION	L	PAVED ROUTE (CONSTITUTION AVENUE NW / NON NPS)
0.10	0.10	INTERSECTION	R	PAVED ROUTE (CONSTITUTION AVENUE NW / NON NPS)
0.10	0.10	PARK BOUNDARY	N/A	N/A
0.10	0.10	ONE-WAY END	N/A	N/A

ROUTE 0515: EASTBOUND TO WESTBOUND TIDAL BASIN TURNAROUND

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))
0.00	0.00	INTERSECTION	N/A	ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))
0.06	0.06	INTERSECTION	R	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.06	0.06	INTERSECTION	N/A	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.06	0.06	ONE-WAY END	N/A	N/A

ROUTE 0516: WESTBOUND TO EASTBOUND TIDAL BASIN TURNAROUND

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.00	0.00	INTERSECTION	N/A	ROUTE 0503Z (INDEPENDENCE AVENUE SW (WESTBOUND))
0.00	0.00	ONE-WAY START	N/A	N/A
0.04	0.04	ONE-WAY END	N/A	N/A
0.04	0.04	INTERSECTION	R	ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))
0.04	0.04	INTERSECTION	N/A	ROUTE 0502Z (INDEPENDENCE AVENUE SW (EASTBOUND))

NAMA: Route Milepost Log

ROUTE 0520: LOOP AT INDEPENDENCE AVE AND OHIO DRIVE

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 4.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0011EZ (OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE))
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0023AZ (23RD STREET SW (SOUTHBOUND))
0.00	0.00	INTERSECTION	L	ROUTE 0011EZ (OHIO DRIVE SW (SB LANE SEPARATION INTO INDEPENDENCE AVENUE))
0.03	0.03	INTERSECTION	R	ROUTE 0011CZ (OHIO DRIVE SW (SB CONNECTOR AROUND ERICSSON MEMORIAL TO WEST POTOMAC PARK))
0.05	0.05	INTERSECTION	R	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.05	0.05	INTERSECTION	L	ROUTE 0011AZ (OHIO DRIVE SW (BUCKEYE DRIVE TO INDEPENDENCE AVENUE))
0.05	0.05	ONE-WAY END	N/A	N/A

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

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 6.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0014 (NAMA - MAIN STREET)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0522BZ (NORTHBOUND I-395 RAMP TO NCR HEADQUARTERS)
0.17	0.17	ONE-WAY END	N/A	N/A

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

Road logs are verified in Cycle 6 and mileposts for this route are matched to GPS collected in Cycle 6.

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (RAMP FROM I-395 NORTHBOUND / NON NPS)
0.00	0.00	ONE-WAY START	N/A	N/A
0.10	0.10	ONE-WAY END	N/A	N/A
0.12	0.12	INTERSECTION	N/A	ROUTE 0014 (NAMA - MAIN STREET)

Data Collected on 6/2018

Section 8
Appendix

National Mall and Memorial Parks

Federal Lands Highway
Road Inventory Program

Improvements to the RIP Index Equations and Determination of PCR

In 2005, the Federal Highway Administration (FHWA) began implementing the use of a Pavement Management System (PMS) to assist the National Park Service (NPS) in prioritizing Pavement Maintenance and Rehabilitation activities. The PMS used by FHWA is the Highway Pavement Management Application (HPMA) which has the ability to store inventory and condition data from the Road Inventory Program (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 the distresses and indexes that comprise the Pavement Condition Rating (PCR), an extensive study was completed throughout 2010 that has resulted in changes to the RIP 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.

Additionally, methodologies were updated in 2013 for Manually Rated Routes (paved routes that the collection vehicle is unable to drive) as well as Parking Areas to provide more accurate condition data to the HPMA. These updated methodologies allow for the efficient assessment of pavement conditions using a visual inspection method to denote specific distresses. These distresses are indicative of current conditions, the causes for current and future deterioration, and identify the level of targeted repair and rehabilitation practices required.

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 in early 2014 to ensure that an improvement was achieved between the relationship of PCR and the actual Maintenance and Rehabilitation needs that were represented. The 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.

Description of the Rating System

The Federal Highway Administration, National Park Service Road Inventory Program (NPS-RIP), collects roadway condition data on paved surfaces (asphalt, concrete, brick, and cobblestone) on roads, parkways, and parking areas in national parks nationwide. The road surface condition data is collected using an automated Data Collection Vehicle (DCV) and manually using Manually Rated Route (MRR) procedures. Roads having brick or cobblestone surfacing are not normally surveyed with the DCV, but are manually rated for condition rating.

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 quality digital photography and automated crack detection software, FHWA RIP is tasked with executing a pavement condition assessment on a network of roughly 5,700 miles of National Park Service roads and parkways. Because a subset of roads will be collected multiple times this cycle, the total collection length will be around 13,000 miles. 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. In truth, the FHWA RIP distress types are similar to those described in the LTPP manual with some modifications. This document, "*Distress Identification Manual for the NPS Road Inventory Program, Cycle 6, 2014-2020"* 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 RIP.

Cycle 6 has launched in the spring of 2014 and will again comprise all parks, large and small, that are served by paved roads and/or parking areas. For Cycle 6, roughly 333 large and small parks will have all paved routes and parking areas collected at least once in the cycle, some will have multiple collections depending on the size of the park and the functional class of the route.

This "*Distress Identification Manual for the NPS Road Inventory Program, Cycle 6, 2014-2020*" 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 6.

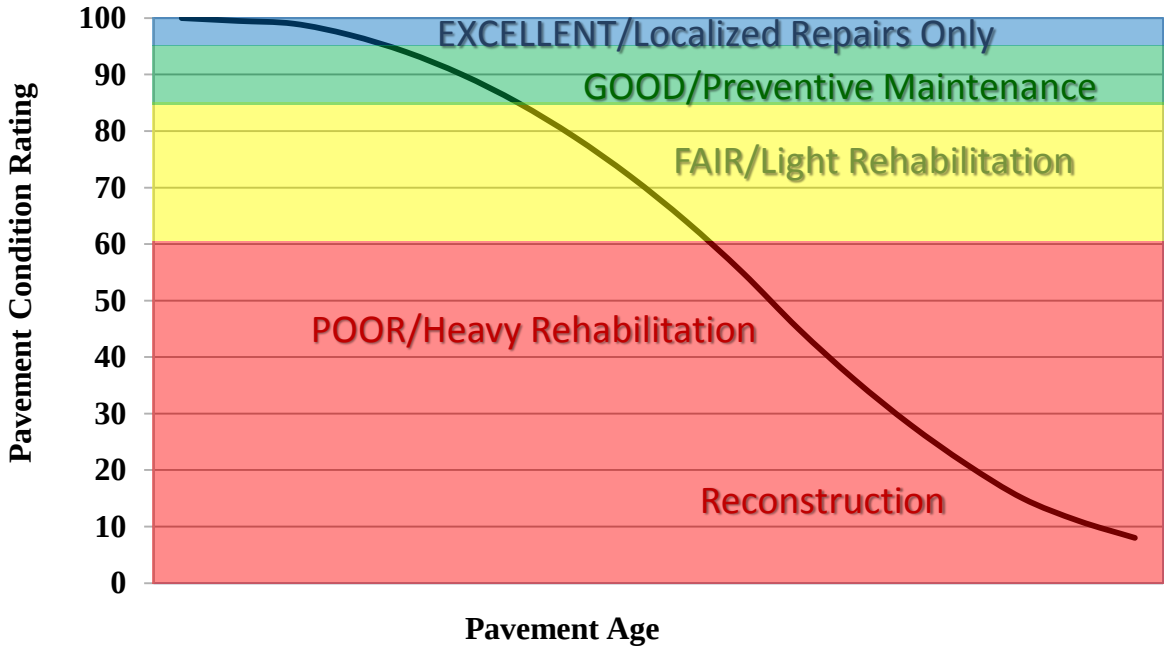
Explanation of the Condition Descriptions

In addition to the RIP Index changes that were implemented in Cycle 5, we will also aim to 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.

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 PMS data from our (HPMA) please contact the Eastern Federal Lands pavement team.

Condition Categories and Treatments



Description of Pavement Treatment Types

1. **Preventive Maintenance** is a planned strategy of cost-effective treatments to an existing roadway system and its appurtenances that preserves the system, retards future deterioration, and maintains or improves the functional condition of the system (without significantly increasing the structural capacity). Preventive maintenance is typically applied to pavements in good condition having significant remaining service life. As a major component of pavement preservation, preventive maintenance is a strategy of extending the service life by applying cost-effective treatments to the surface or near-surface of structurally sound pavements. Examples of preventive treatments include asphalt crack sealing, chip sealing, slurry or micro-surfacing, thin and ultra-thin hot-mix asphalt overlay, concrete joint sealing, diamond grinding, dowel-bar retrofit, and isolated, partial and/or full-depth concrete repairs to restore functionality of individual slabs.

2. Pavement Rehabilitation consists of structural enhancements that extend the service life of an existing pavement and/or improve its load carrying capacity. Rehabilitation techniques include restoration treatments and structural overlays. Rehabilitation projects extend the life of existing pavement structures either by restoring existing structural capacity through the elimination of age-related, environmental cracking of embrittled pavement surface or by increasing pavement thickness to strengthen existing pavement sections to accommodate existing or projected traffic loading conditions. Two sub-categories result from these distinctions, which are directly related to the restoration or increase of structural capacity.

    - **Light Rehabilitation (L3R)** - Examples include single-lift overlays up to 2.5 inches in total thickness and milling and overlays for flexible pavements

    - **Heavy Rehabilitation (H3R)** – Requires rehabilitation with grade improvement. H3R stands for resurfacing, restoration, and rehabilitation projects. H3R projects typically involve multi-depth (overlays greater than 2.5 inches) pavement improvement work (short of full-depth replacement) and targeted safety improvements. H3R projects generally involve retention of the existing three-dimensional alignment.

3. **Reconstruction (4R)** is defined as the replacement of the entire existing pavement structure by the placement of the equivalent or increased pavement structure. Reconstruction usually requires the complete removal and replacement of the existing pavement structure. Reconstruction may utilize either new or recycled materials incorporated into the materials used for the reconstruction of the complete pavement section. Reconstruction is required when a pavement has either failed or has become functionally obsolete.

Appendix A

Methodology for Determining Condition Ratings with the Data Collection Vehicle (DCV)

Surface Distresses Identified by the Data Collection Vehicle

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 and rutting are determined from digital images that provide both the longitudinal and transverse profile. The images also provide an elevation profile of the road, creating a 3-dimensional image of the paved surface.

- Transverse Cracks
- Longitudinal Cracks
- Alligator Cracks
- Patching/Potholes
- 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 Surface Condition Rating (SCR).

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

Roughness Condition Index - RCI

Additional condition data measured by DCV (lasers and accelerometers)

- Roughness (IRI)

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

Pavement Condition Rating - PCR

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

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

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

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 mile interval before it reaches MAE and fails.

The index formulas are based on a scale of 0 to 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 = (less than or equal to 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 less than 0 defaults to 0. Index values greater than 100 defaults 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.

ASPHALT-SURFACED PAVEMENT DISTRESS TYPES WITH RUTTING AND ROUGHNESS				
Distress Type	**Units Of Measure**	**Converted To**	**Defined Severity Levels?**	**Measured By**
Alligator Cracking	Square Feet	Percent of Lane Per 0.02 Mile	Yes	3 Dimensional pavement imaging system
Transverse Cracking	Linear feet	Number of Cracks Per 0.02 Mile	Yes	3 Dimensional pavement imaging system
Longitudinal Cracking	Linear feet	Percent of Lane Length Per 0.02 Mile	Yes	3 Dimensional pavement imaging system
Patching / Potholes	Square Feet	Percent of Lane Per 0.02 Mile	No	3 Dimensional pavement imaging system
Rutting	Inches	Rut Depth Per 0.02 Mile	Yes	3 Dimensional pavement imaging system
Roughness	IRI	*RCI Per 0.02 Mile	No	DCV – Lasers / Accelerometers

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

Table 1. Distress summary

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 with little to no interconnecting cracks with no visible spalling. Cracks are less than or equal to a mean width of 0.25 in. (6mm). 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 greater than 0.25 in. (6 mm) but less than or equal to 0.75 in. (19 mm) or any crack with a mean width less than or equal to 0.75 in. (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 greater than 0.75 in. (19mm) or any crack with a mean width less than or equal to 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 as shown in Table 2.

ALLIGATOR CRACKING SEVERITY LEVELS				
	CRACK SEVERITY	**CRACK PATTERN**		
		LOW	**MED**	**HIGH**
CRACK WIDTH	LOW	LOW	MED	HIGH
	MED	MED	MED	HIGH
	HIGH	HIGH	HIGH	HIGH

Table 2. Alligator Crack Severity Levels

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 less than or equal to 0.25 in. (6 mm). This also includes sealed cracks with sealant in good condition and a width that cannot be determined.

MEDIUM
Cracks with a mean width greater than 0.25 in. (6 mm) but less than 0.75 in. (19 mm). Also, any crack with a mean width less than 0.75 in. (19 mm) and adjacent random low severity cracking.

HIGH
Cracks with a mean width greater than 0.75 in. (19 mm). Also, any crack with a mean width less than 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 less than or equal to 0.25 in. (6 mm). Sealed cracks with sealant in good condition and a width that cannot be determined.

MEDIUM
Cracks with a mean width greater 0.25 in. (6 mm) and less than or equal to 0.75 in. (19 mm). Also, any crack with a mean width less than 0.75 in. (19 mm) and adjacent random low severity cracking.

HIGH
Cracks with a mean width greater than 0.75 in. (19 mm). Also, any crack with a mean width less than 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 patch may not exceed 0.100 mi. (0.161 km). (Any full-lane patch exceeding 0.100 mi. in length is considered a pavement change). Patching must have a quantifiable area.

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

Manhole covers should not be rated as patches unless there is obvious patching around the manhole.

Speed bumps should not be rated as patches

Severity Levels:

There are no stratified severities for Patching and 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 of 0.20 inches to 0.49 inches
Ruts less than 0.20 in. are not included in the distress calculations.

MEDIUM

Ruts with a measured depth of 0.50 inches to 0.99 inches

HIGH

Ruts with a measured depth greater than 1.00 inch

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.

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

Table 3. International Roughness Index

Roughness Collection Parameters

On shorter roads with a lower speed limit the usefulness in collecting and reporting IRI is negligible. Lower, inconsistent speeds can lead to a less accurate IRI value. Therefore RIP has put in place the following protocols for reporting IRI.

International Roughness Index (IRI) is not reported on routes with the following criteria:

- Posted speed limit is less than 25 mph
- Length of route is less than 0.50 miles

When a collected route has a posted speed limit of at least 25 mph and length of at least 0.50 miles, IRI will be collected except on road sections where the speed is less than 20 mph

Other situations may arise where the speed and length factors are met, but reporting IRI could lead to an inaccurate PCR. RIP will determine whether or not it is reasonable to report IRI on these routes on a case by case basis.

Index Formulas

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

Alligator Crack Index

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

Where:

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

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

Percent of total area is computed as:

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

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

Longitudinal Crack Index

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

Where:

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

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

Percent of interval length is computed as:

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

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 longitudinal 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 greater than or equal to 0.

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

Number of cracks is computed as:

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

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

Patching Index

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

Where:

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

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

Percent of total area is computed as:

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

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

There are no severity levels for patching. It either exists or does not. In PATCH_INDEX, the denominator 80 is the Maximum Allowable Extent (MAE) for each severity. In other words, we will allow up to 80% patching for a 0.02 interval before failure. As you can see, if patching/potholes reaches MAE the resulting index value is 60, or failure.

Rutting Index

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

Where:

20 rut depth measurements are taken per 0.02 interval for each of 2 wheel paths (left and right), resulting in a total of 40 measurements taken for both wheel paths. Each wheelpath is analyzed independently for rut severities. The values %LOW, %MED and %HI report the percentage of the 40 measurements within that 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 wheel path based on 20 ruts.

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

$$\frac{\textbf{(total number of ruts within each severity in both wheelpaths)}}{\textbf{20}} \times \textbf{100}$$

In RUT_INDEX, the denominators 535, 205, and 40 are the Maximum Allowable Extents for each severity; Low, Medium, and High, respectively. Only the MAE for high severity rutting can fail a section, since 200% of *only* low severity ruts would yield a rut index of 85 and 200% of *only* medium severity ruts would yield a rut index of 61.

Roughness Condition Index (Asphalt)

RCI = 32 * [5 * ($2.718282^{(-.0041 * \text{AVG IRI})}$)]

Where:

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

Average IRI is computed as:

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

There is no applicable threshold for failure for this index.

Roughness Condition Index (Concrete)

RCI = $(-0.0012)(\text{IRI}^2) + (0.0499)(\text{IRI}) + 99.542$

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 is collected by FHWA using a Pathway Services Inc. Data Collection Vehicle (DCV), called a 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 jpeg digital imagery files at a frequency of every 26.4feet.

Two forward-facing cameras are mounted above the vehicle cab, one pointed straight ahead and the other to the right shoulder providing seamless roughly 120 degree viewing. A third camera is mounted in the rear of the vehicle, recording the left shoulder.

CAMERA SPECIFICATIONS TWO FORWARD / ONE REAR FACING CAMERA	
Camera lens/type	Prosilica GT 2750 (GigE Technology)
Image format	*.jpg
Image resolution	2750 x 2200, 18 frames/second
Image pixel size	depends on distance
Zoom ratio	16mm Fixed
Iris range	Aperture Range F 1.8 – Infinity (P-Iris, Automatic

Pavement Imaging and Rutting

High resolution rutting data and surface imaging are collected in a single data stream using a three-dimensional (3D) pavement surface transverse profile data acquisition system. The 3D camera captures a laser line as it is projected over the pavement surface and uses the location of this line to measure the height deviations of the pavement surface. These height deviations can be used to calculate rutting in both wheelpaths. These deviations also provide a grayscale image detailing the change in height throughout the surface, i.e. providing depth measurements for cracking.

THREE-DIMENSIONAL PAVEMENT SURFACE AND TRANSVERSE PROFILE DATA ACQUISITION SYSTEM	
Surface Image Specifications	
Image size	1536 pixels/scan @3000 Hz
Image width	4 meters (3950 mm nominal)
Laser class	3B
Power	16W (Two lasers @ 8W Ea)
Vehicle speed limitations	62 mph
Environment	Dry pavement, day or night
Sensor size (approximate)	1536 pixels x 512 pixels
Image display length	26.4 feet
Rutting Specifications	
Reported rut depth units	Inches
Vehicle speed limitations	Up to 62 mph
Sampling rate	3000 profiles/second
Transverse resolution	1536 points/profile
Transverse field-of-view	14 feet
Depth accuracy (nominal)	<1mm
Environment	Dry pavement, day or night, above 32 degrees F
Adherence to specifications	ASTM E1703M-95 (reapproved 2005)

Distance Measuring Instrument (DMI)

The DMI (Distance Measuring Instrument) obtains road length measurements that are accurate to 0.15% 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)

IRI SPECIFICATIONS	
Reported IRI units	Inches/mile
Vehicle speed limitations	12-62 mph
IRI equipment certification	Texas Transportation Institute (TTI)
Wavelengths accommodated	0.5 feet to 300 feet
IRI computed & reported	World Bank Technical Paper Number 46
Environment	Dry pavement, day or night, above 32 degrees
Adherence to specifications	ASTM E950 Class 1 & AASHTO M 328

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.

GPS & Inertial Systems

GPS is collected by an onboard system employing Omnistar real time correction and a spinning gyroscope to provide accurate positioning data in instances of satellite obstruction. All GPS coordinates are tied to an image and linear distance measurements.

GPS SPECIFICATIONS	
Static accuracy	Sub-meter
Dynamic accuracy	2-3 meters
Receiver	12 satellite tracking
Coordinate system	Lat Lon WGS 84
Environment	Day or night
Cross-slope	± 1.75%
Grade	± 1.75%
Adherence to specifications	ASTM E1703M-95 (reapproved 2005)

*NOTE – GPS accuracy is dependent on many different factors. Satellite constellation, tree coverage, GPS receiver quality, and real-time correction availability can all affect the locational and elevation accuracies. The elevation (z coordinate) accuracy is less dependable than locational or horizontal accuracy (x/y coordinates or latitude/longitude). In areas of heavy tree coverage or poor satellite constellations, elevation data can vary by as much as +/- 100 feet.

Appendix B

Methodology for Determining Condition Ratings Using Manual Rating Procedures

Description of Manual Rating Methods

In 2013, the Federal Highway Administration updated existing Manual Rating Procedures in an effort to better align pavement conditions for Manually Rated Routes and Parking with the Highway Pavement Management Application (HPMA). HPMA is the Pavement Management System used by the FHWA to store inventory and condition data from the Road Inventory Program (RIP) and forecast future performance using prediction models. HPMA uses pavement condition data (collected by the Road Inventory Program) to develop life cycles for pavements and recommend treatments to maximize useable pavement life while minimizing costs associated with maintenance and repair.

The Federal Highway Administration (FHWA) developed a set of manual rating methods for pavement that are appropriate for Federal Roadways. Two different methods were developed for linear roads and a separate method was developed for parking areas and nonlinear roads. These methods employ a 0 to 100 rating scale and improve consistency and objectivity in the manual evaluation of surface distresses. They are compatible with ratings that are collected by the automated Data Collection Vehicle (DCV).

- The first of the two manual evaluation methods for roads uses rating criteria to assign index values to each distress type based on a visual evaluation of severity and extent.

- The second manual evaluation method for roads is very time demanding and is best employed on only a select set of routes which may have the highest visitor use and require a more intensive assessment. This method will be used for the Manual Rating of Function Class 1, 2, 7, and 8 Roads. This method is based on measurements that are recorded for each instance of a surface distress. These measurements are converted into index values using conversion formulas.

- Parking areas and non-linear roads are rated similar to the first method shown above, however, there are some slight differences due to the non-linear nature.

The details and criteria used for each of these rating methods are outlined below.

Visual Inspection Method for Manually Rating Secondary Roads

The visual inspection method for manually rated roads uses condition rating criteria that have been developed by FHWA. This criteria is based on a visual evaluation of the severity and extent of distresses to determine the overall condition of the roadway. This method is used for secondary roads that are Functional Class 3, 4, 5, and 6. This constitutes the majority of manually rated roads collected by the Road Inventory Program.

Rating Section Lengths

For this method, Manually Rated Roads are rated in sections. These sections may be made based on length of changes in surface type or condition as described below. The ratings are then aggregated to give an overall rating for the Route:

- Rating sections should be no longer than 0.25 miles in order to keep the area being rated manageable.
- A new rating section may be started based on changes in condition, width, or surface type if these changes represent a significant portion of the route (are not isolated instances).
- If the road condition, width, and surface type remain constant then new sections do not need to be created unless the road exceeds 0.25 miles.

Rating Criteria

For this method, Manually Rated Roads are evaluated using a visual inspection of the six distress types listed below. Each distress is assigned one of five index values. An overall Surface Condition Rating (SCR) and Pavement Condition Rating (PCR) are calculated based on these index values.

- Alligator Cracking
    - Rating based on percentage of road surface affected
- Longitudinal Cracking
    - Rating based on severity level (crack width) and percentage of road section length of longitudinal cracks
- Transverse Cracking
    - Rating based on crack width, crack spacing, and percentage of surface affected
- Patching
    - Rating based on percentage of road surface affected
- Rutting
    - Rating based on percentage of road section length affected by visible rutting (>1 inch depth) that requires remediation
- Roughness
    - Manual assessments of roughness are not made due to the subjectivity of the measurement. Therefore, roughness is not incorporated into the PCR calculation of manually rated roads.

Concrete Routes also receive a PCR rating based on visual evaluation of the following six distress types.

- Slab Faulting at Joints
- Slab Cracking and breakup
- Surface Delamination and Pop-outs
- Joint Distresses
- Patching

Distress Measurement Method for Manually Rating Primary Roads

A more intensive and time demanding assessment than our standard method was developed for Primary roads that are functional class 1, 2, 7, or 8. These high visitation roads are usually accessible by the automated Data Collection Vehicle but in rare instances may need to be manually rated. The method developed is based on measuring each instance of a distress. These measurements are totaled over each section length being measured and are then converted into index values between 0 and 100 (100 being a road with no distress) using index formula equations outlined below. The goal of this method is to produce measured index values which are directly comparable to the automated DCV.

Rating Section Lengths

For the distress measurement method roads are broken into sections in order to rate. Distress measurements are totaled for each section separately in order to determine the index value for that particular section. The section length to be rated is determined based on the following rules:

- Rating sections are between 0.25 and 0.50 miles long
- A new rating section is created if there is a significant change in condition or pavement width
- If there are no significant changes in condition or pavement width, rating sections are broken at equal intervals, typically 0.50 miles

Manual Distress Measurements

Alligator Cracking

- Alligator cracking is measured by area (square feet). Instances of Alligator cracking are measured along the length and multiplied by the average width of the distressed area.
- The index for alligator cracking takes the total area of cracking compared to the interval length and converts it to a percentage. That percentage is then input into an index formula that yields a value between 0 and 100 (0 being the most distressed).
- Severity levels are not defined for manually measured Alligator cracks. The Alligator Crack Index formula is calculated based on an assumption of medium severity.

Longitudinal Cracking

- Longitudinal cracking (cracking in the direction parallel to the roadway) is measured by length (ft.).
- The index for longitudinal cracking takes the total length of cracking compared to the interval length and converts it to a percentage broken down by severity. That percentage is then input into a formula that yields a value between 0 and 100 (0 being the most distressed).
- Two severity levels are defined for manually measured Longitudinal Cracks. Lower severity cracks are those with a mean width of less than 0.25 inches. Sealed cracks with sealant in good condition are also considered lower severity. Higher severity cracks are those with a mean width of greater than 0.25 inches.

Transverse Cracking

- Transverse cracking (cracking in the direction perpendicular to the roadway) is measured by length (ft).
- The index for transverse cracking takes the total number of cracks (1 crack would encompass the full lane) broken down by severity. The total numbers of each severity are then put into a formula that yields a value between 0 and 100 (0 being the most distressed).
- Two severity levels are defined for manually measured Transverse Cracks. Lower severity cracks are those with a mean width of less than or equal to 0.25 inches. Sealed cracks with sealant in

good condition are also considered lower severity. Higher severity cracks are those with a mean width of greater than 0.25 inches.

Patching and Potholes

- Patching and Potholes are measured by area (square feet). Instances of Patching are measured along the length and multiplied by the average width of the patch.
- Instances of full lane width patching cannot be longer than 0.100 miles, otherwise is should be considered a pavement change rather than a distress.
- There are no stratified severities for Patching. It is either present or it is not.

Rutting

- Visible rutting is measured by length (ft.) in each wheel path. Only visible ruts are rated, which are ruts greater than 1 inch deep.
- All rutting recorded in a manual rating is considered to be high severity (> 1 inch). Lesser severities are generally not distinguishable in a visual inspection.

Roughness

- Manual assessments of roughness are not made due to the subjectivity of the measurement. Therefore, roughness is not incorporated into the PCR calculation of manually rated roads.

Index Formulas for Distress Measurement Method:

The method used to convert distress measurements into index values is shown below. The Surface Condition Rating and Pavement Condition Rating are calculated based on these index values.

Alligator Crack Index for Manual Rating:

AC_INDEX = 100 – 40 * (%ALLIGATOR / 15)

Where:

%ALLIGATOR = Percent of total area of section being rated that contains Alligator cracking.

Longitudinal Crack Index for Manual Rating:

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

Where:

%LOW = Percent length of longitudinal cracks where crack width less than or equal to 0.25 inches

%HIGH = Percent length of longitudinal cracks where crack width greater than 0.25 inches

Transverse Crack Index for Manual Rating:

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

Where:

LOW = Count of the total number of transverse cracks within the section length where one transverse crack is equal to the lane width and the crack width <= 0.25 inches

HIGH = Count of the total number of transverse cracks within the section length where one transverse crack is equal to the lane width and the crack width > 0.25 inches

Number of cracks is computed as:

Total length of transverse cracks/Lane width

Patching Index for Manual Rating:

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

Where:

%PATCHING = Percentage of pavement section that contains patching/potholes.

Rutting Index for Manual Rating:

RUT_INDEX = 100 – 40 * (%RUTTING / 40)

Where:

%RUTTING = Percentage length of high severity rutting within the section being measured.

Method for Manually Rating Paved Parking Areas and Non-Linear Roads

Parking areas are evaluated based on a visual inspection using condition rating criteria that has been developed by FHWA. This criteria is based on a visual evaluation of the severity and extent of distresses to determine the overall condition of the parking area. This overall condition rating is linked to the level of repair and rehabilitation practices required.

A distress index is determined for each of the distresses listed below for Asphalt and Concrete Parking areas. The overall Pavement Condition Rating (PCR) of the parking lot is driven by the most severe distress present.

Rating Criteria:

Asphalt Parking Distress Types

- Alligator Cracking
  - Rating based on percentage of road surface affected
- Longitudinal, Transverse and Block cracking
  - Rating based on crack width, crack spacing, and percentage of surface affected
- Rutting and Distortions
  - Rating based on percentage of road surface affected
- Hot Mix Asphalt Patches
  - Rating based on overall percentage of HMA patches
- Potholes and Cold Patches
  - Rating based on percentage of road surface affected
- Surface Raveling and Bleeding
  - Rating based on percentage of road surface affected

Concrete Parking Distress Types

- Slab Faulting at Joints
  - Rating based on height differential between adjacent slabs or pieces of broken slabs
- Slab Cracking and breakup
  - Rating based on quantity of cracks and if slab is acting to able distribute load as designed
- Surface Delamination and Pop-outs
  - Rating based on percentage of road surface affected to include pop-outs, spalls and surface delamination
- Joint Distresses
  - Rating based on sealant condition and concrete distresses at/or adjacent to joints
- Patching
  - Rating based on percentage of road surface affected

Curb Inspection and Treatments

During inspections of manually rated parking lots and routes, the curb reveal and overall curb condition are evaluated. The curb condition is used to determine a recommendation.

Curb Reveal
The vertical distance on the curb face from the gutter flow line or pavement surface to the top of curb. When resurfacing adjacent to curb, the resulting curb reveal should be no less than 4 inches. Additionally, when resurfacing adjacent to a gutter, the resulting pavement surface should be flush with the gutter pan. In cases where a resurfacing would violate either of these parameters, the surface may need to be milled or removed to adjust to these field conditions.

Curb Recommendations
The following treatment categories are based on the overall percentage of distresses along the entire curb structure for a specific pavement structure. Distresses include spalling, cracking, loss of material and any other damage which prevents the curb from conveying storm runoff or failing to perform in its intended function.

- Overall curb damage ranging 0%-5%:
    - DO NOTHING
- Overall curb damage ranging 5%-20%
    - LIGHT REPAIR
- Overall curb damage ranging 20%-50%
    - MODERATE REPAIR
- Overall curb damage greater than 50%:
    - REPLACE

GPS for Manually Rated Roads and Parking

GPS information for Manually Collected Cycle 6 Routes will be recorded using the latest hardware and software by TRIMBLE 6000 Series GeoXT. Cycle 6 GPS collection units will allow access to GPS and GLONASS, improving overall GPS reliability, accuracy and precision to submeter accuracy. Additionally, the new GPS units have an enhanced ability to collect accurate signals underneath tree cover or adjacent to buildings or natural terrain with extreme vertical gradations that typically reduce GPS accuracy. Trees and buildings create "satellite shadows", limiting the areas where you can reliably collect high-accuracy GPS data. The updated GPS receiver will deliver improved usable data under tree canopy or in natural or urban canyons. Routes that were previously collected accurately will not be recollected in Cycle 6.

TRIMBLE 6000 SERIES GeoXT GPS SPECIFICATIONS	
Receiver	Trimble Maxwell™ 6 GNSS chipset
Channels	220 channels
Systems	GPS / GLONASS / WAAS
Accuracy	Sub-meter
Operation Temperature	–20 °C to +60 °C (–4 ºF to +140 ºF)
Cellular and Wireless	UMTS / HSDPA / GPRS / EDGE / Wi-Fi / Bluetooth
Internal Still Camera w/ GEOTAG ability	Autofocus 5 MP (JPG) and WMV w/ Audio

Appendix C

Description of Cycle 6 Deliverables

Final Report Delivery

The Final Report will contain all data collected by Manual Inspection and the Data Collection Vehicle. All information provided in the Interim Report will be included in the Final report. Manually collected information reported in the Interim Report may be updated in the Final Report if pavement conditions have substantially changed between the Manual Inspection and Data Collection Vehicle Inspection or other unforeseen circumstances.

The final report will be released approximately 8 months after the Data Collection Vehicle completes its collection of that specific park.

Data included in the Final Report package consists of the following:

- **Condition Photos:** All photos taken during Cycle 6.
- **Data Video:** Data and video of each route collected by the DCV will viewable through PATHVIEW software. PATHVIEW Software and training will be provided to NPS personnel by Eastern Federal Lands.
- **GPS on All Rated Routes:** All GPS data collected from the DCV will be provided. 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 units.
    - GPS will be provided as Shapefiles and KMLs
    - All GPS data related to road collection with be linear referenced to the collected length
- **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 tables and geographic data. It allows RIP to facilitate easier updates and enhancements in the future. A geodatabase can be thought of as simply a database containing spatial data. 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.
- **Report (RIP Report and Route ID):** A PDF report will be provided that includes a list of all routes and key data. Condition reports for each route will be included. All changes, additions and deletions to any route will be included in the report. Features along routes will not be collected in Cycle 6.

Partial DCV Collections

Additional Partial DCV Collections may be done on specific parks depending on their size and overall mileage of routes within its boundaries during Cycle 6. Parks with greater than 10 miles of paved roadways will receive at least one additional Partial DCV collection during Cycle 6. Data collected during these Partial DCV Collections will not result in the delivery of an additional report to the park.

Data collected by the DCV during Partial DCV Collection will be used to improve HPMA modeling by providing additional "snapshots in time" of park pavement conditions. This improved HMPA modeling will assist in the programing and budgeting of future projects which will help maximize the life of pavement infrastructures.

Instead of receiving a report of conditions collected during the Partial DCV collection, the park will receive a formal letter from the Road Inventory Program requesting coordination for the additional Partial DCV collection, identifying the dates of the Partial DCV Collection and will reinforce the purpose and importance of the Partial DCV Collection.

Appendix D

Glossary of Terms and Abbreviations

Glossary of Terms and Abbreviations

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
AC	Alligator Cracking
CRS	Condition Rating Sheets (Section 5)
Curb Recommendation	Curb remediation based on overall percentage of curb distress
Curb Reveal	Height of curb exposed from gutter flow line to top of curb
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
HPMA	Highway Pavement Management Application
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